

SITE: Mills Gap Rd
BREAK: 1.2
OTHER: V2

LOCKHEED MARTIN 

DATE: 23 January 2008
TO: Gregory W. Powell, U.S. EPA/ERT Work Assignment Manager
THROUGH: Jeffrey Bradstreet, REAC Air Response Section Leader *Jeff Bradstreet*
FROM: Kenneth Woodruff, REAC Task Leader *K.W.*
SUBJECT: DOCUMENT TRANSMITTAL UNDER WORK ASSIGNMENT # 0-296

Attached please find the following document prepared under this work assignment:

GC/MS ANALYTICAL REPORT
MILLS GAP ROAD TCE SITE
SKYLAND, NORTH CAROLINA
JANUARY 2008

cc: Central File - WA # 0-296(w/attachment)
Electronic File - I:/Archive/REAC4/0-296/D/FA/012308
Dennis A. Miller, REAC Program Manager (w/o attachment)

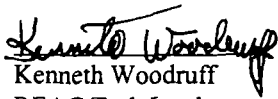


GC/MS ANALYTICAL REPORT
MILLS GAP ROAD TCE SITE
SKYLAND, NORTH CAROLINA
JANUARY 2008

U.S. EPA Work Assignment No.: 0-296
LOCKHEED MARTIN Work Order No.: EAC00296
U.S. EPA Contract No.: EP-C-04-032

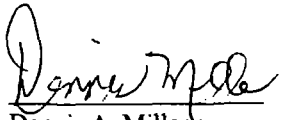
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1.0 INTRODUCTION

The Environmental Protection Agency/Environmental Response Team Center (EPA/ERT) issued Work Assignment # 0-296 to Lockheed Martin under the Response Engineering and Analytical Contract (REAC) to provide analytical services at the Mills Gap Road TCE Site in Skyland, North Carolina.

An Agilent® 6890 gas chromatograph and 5973N mass spectrometer (GC/MS) were used to perform volatile organic compound (VOC) analysis of soil gas samples collected in one-Liter (L) Tedlar® bags. Two compounds comprised the target compound list (TCL): trichloroethene (TCE) and tetrachloroethene (PCE).

On-site analyses occurred on 11 and 12 December 2007 on the 29 samples collected by REAC personnel. Analysis was performed in accordance with REAC Draft Standard Operating Procedure, *Field Analysis of VOCs in Gaseous Phase Samples by GC/MS Loop Injection*. All analytical data were verified per Screening Data (SD) requirements. Table 1 details the samples by chain of custody number, number of samples, date sampled and received, matrix, and analysis. Copies of the chain of custody records are included in Appendix A.

2.0 PROCEDURES

A Tedlar® bag was attached to the sample introduction port of the heated dual loop injection apparatus. One of the loops was filled with sample and the other with internal standard. The content of both loops were simultaneously injected onto the head of the column for subsequent analysis by GC/MS. When required, all sample dilutions were done in a glass syringe or Tedlar® bag. The Agilent ChemStation® data system was used to evaluate and process the data. Table 2 lists the operating conditions of the dual loop injection apparatus and the GC/MS.

2.1 Soil Gas Analysis

An aliquant of sample was directly introduced into the first loop of the injection apparatus from a Tedlar® bag using the sample introduction port. The second loop was filled from a SUMMA® canister containing the internal standard. The loops were switched in line with the carrier gas to inject the sample.

The GC was temperature programmed to focus the sample on the head of the column and achieve quick separation of the VOCs, which were then detected by the MS detector. Comparing their retention times and mass spectra with those of the 5 part per billion by volume (ppbv) standard of the initial calibration identified the VOCs in the sample.

2.2 Calibrations and Sample Spiking

All certified standards were obtained from commercial vendors with certificates of analysis. The standards' cylinder numbers, concentrations, and compound quantitation ions used are presented in Table 3. Vendor certificate of analysis for all standards used are presented in Appendix B.

Mass spectrometer tuning was performed and checked daily. Five milliliters (mL) of p-bromofluorobenzene (BFB) at one part per million by volume (ppmv) were analyzed to validate the mass spectrometer tuning.

All calibrations were based on a nominal value of 500 ppbv and 20 ppmv for all target compounds. The VOC standard mix contained 15 compounds, each at approximately 500 ppbv and 20 ppmv in a balance of nitrogen.

Six calibration standards of varying concentrations were prepared on each day of operation to analyze the initial calibration. A calibration curve was created consisting of 0.5, 1, 5, 50, 500, and

5000 ppbv levels.

The internal standard mix consisted of bromochloromethane, 1,4-difluorobenzene, and chlorobenzene-d₃ each at approximately one ppmv. Fifty microliters (μL) of the internal standard mix, equivalent to a 10-ppbv standard, were added to all samples, blanks, and standards.

2.3 Compound Identification/Quantitation

VOCs in the samples were identified and quantitated using the ChemStation® software. This software uses reconstructed and extracted ion chromatograms matched with retention time windows to identify and quantify target compounds. The report format prints the internal standards, identified compounds, calculated concentrations, mass spectra (both raw and background subtracted), quantitations, and qualifier ion chromatograms.

The limit of quantitation (LOQ) for each compound was calculated using the following equation:

$$LOQ (ppbv) = \text{Lowest Calibration Standard (ppbv)} \times \text{Dilution Factor}$$

Documented in the injection logbook, the dilution factor (DF) was calculated using the following equation:

$$\text{Dilution Factor} = \frac{\text{Total Sample Volume (mL)}}{\text{Initial Sample Volume (mL)}}$$

The target compound results were calculated using the following equation:

$$\text{Concentration (ppbv)} = \text{Analytical Concentration of Compound (ppbv)} \times DF$$

2.4 Quality Assurance/Quality Control

The following Quality Assurance/Quality Control (QA/QC) procedures were performed for this assignment:

- The GC/MS was tuned daily for perfluorotributylamine (PFTBA) to meet ion abundance criteria for BFB as listed in the BFB tune reports. BFB reports are included in the calibration data section (Appendix C).
- Evaluations for the initial calibrations are in the calibration data section (Appendix C). Six calibration standards were prepared and analyzed using the GC/MS operating parameters listed in Table 2.
- At least a five point initial calibration curve was generated for each target compound each day before sample analysis began and acceptance criteria were verified.
- Method (Instrument) blanks were analyzed after the calibration standard(s) and before samples were analyzed to assess possible laboratory contamination and/or carryover. Method blanks were analyzed when necessary to minimize carryover from samples or standards with high levels of VOC target analytes.
- Lot (Tedlar® Bag) blanks were analyzed after the Method blank and before samples were analyzed to assess possible contaminants in the Tedlar® Bag.

- Internal standards from all analyses were evaluated and acceptance criteria verified.
- The lowest standard analyzed in the initial calibration was used as the LOQ.
- Sample replicates were analyzed.
- The following is a list of the QA/QC flags used in qualifying the results:
 - A - Assumed volume.
 - B - Concentration less than five times the reported blank result. Result is considered not detected.
 - U - None detected at or above the limit of quantitation.
 - E - Exceeds the calibration range. Result is considered estimated.
 - J - Detected below the limit of quantitation. Result is considered estimated.
 - D - Result is from an analysis at a secondary dilution factor.
 - R - Result is unusable.

All applicable data qualifiers were inserted into the result tables.

3.0 RESULTS

All results are reported in ppbv and to two significant figures. Target compound results are presented in Table 4 and Table 5. Results for the replicates are presented in Tables 6 and 7.

The chains of custody records are found in Appendix A. The certificates of analysis for all standards are found in Appendix B. The calibration package for each day of analysis is included in Appendix C. This package includes copies of injection logbook # IV-L-0050, BFB tune reports, internal standard evaluations, response factor report, and all standard quantitation reports.

Quantitation reports for the blanks and samples are included in Appendix D. Quantitation reports list the retention times, quantitation ions, peak areas, and concentrations in ppbv. Calculated concentrations are generated using the average relative response factor from the initial calibration for target compounds.

4.0 DISCUSSION OF RESULTS

The initial calibrations were reviewed and found to be acceptable. The slope of each target compound's curve was calculated using an average response factor curve fit. The calibration % RSD was less than 30% for each compound.

The method blanks and lot (Tedlar®) blanks were reviewed and found to be acceptable.

On 11 December 2007, 18 samples (Table 4) were collected in 1-L Tedlar® bags and analyzed, 13 of which were soil gas samples along with five air samples. On 12 December 2007, 16 samples (Table 5) were collected and analyzed, 11 of which were soil gas samples along with four sub slab samples and one air sample. A comparison was made of the samples to determine which ones contained the highest concentration of any target compound. The results of this evaluation are summarized in the following paragraphs.

Of the 18 samples analyzed on 11 December 2007, PCE was detected above its LOQ in sample number 4455 at 1.2 ppbv. Sample number 4454 contained the highest concentration of TCE at 460 ppbv.

Of the 16 samples analyzed on 12 December 2007, TCE was not detected above its LOQ in any of the samples. Sample number 4464 contained the highest concentration of PCE at 16 ppbv.

Replicates were analyzed on 11 December 2007; samples number 4449 and 4442, and on 12 December 2007; samples number 4469 and 4467, and results are listed in Table 6 and 7. The relative percent differences ranged from zero to 33.0.

Tables

TABLES

TABLE 1
Summary of Chain of Custody Records
Mills Gap Road TCE Site
Skyland, North Carolina
January 2008

COC #	Number of Samples	Date Sampled	Date Received	Matrix	Analysis
0-296-12/11/07-0001	5	11 December 2007	11 December 2007	Air	VOA by GC/MS Via Loop Injection
0-296-12/11/07-0001	13	11 December 2007	11 December 2007	Soil Gas	VOA by GC/MS Via Loop Injection
0-296-12/12/07-0001	1	12 December 2007	12 December 2007	Air	VOA by GC/MS Via Loop Injection
0-296-12/12/07-0001	4	12 December 2007	12 December 2007	Sub Slab	VOA by GC/MS Via Loop Injection
0-296-12/12/07-0001	11	12 December 2007	12 December 2007	Soil Gas	VOA by GC/MS Via Loop Injection

TABLE 2
Instrument Conditions for Analysis of Volatile Organic Compounds
Mills Gap Road TCE Site
Skyland, North Carolina
January 2008

AGILENT® 6890 GC Method

Sample Loop	
Loop Volume	5 mL
Loop Temperature	110°C
Internal Standard Loop	
Loop Volume	50 µL
Loop Temperature	110°C
GC Inlet	
Gas Type	Helium
Mode	Split
Temperature	190°C
Initial Pressure	22.61 pounds per square inch (psi)
Split Ratio	20:1
Split Flow	29.2 mL/minute (min)
Total Flow	33.5 mL/min
GC Oven	
Column	Rtx-Volatiles, 20 m x 0.18 mm ID x 2.0 µm df
Mode	Constant Flow
Flow Rate	1.5 mL/min
Cryo (CO ₂)	On
Quick Cryo Cooling	On
Initial Temperature	-10°C
Initial Temperature Hold Time	0.50 min
Ramp Program	40°C/min
Final Temperature	160°C
Final Temperature Hold Time	2 min
Total Run Time	6.75 min

AGILENT® 6890 GC Method

MS Temperatures	
MS Quadrupole	150°C
MS Ion Source	230°C
MS Transfer Line	220°C
MS Tune File	CWS.U
MS Acquisition Mode	SIM
Solvent Delay	2.10 min

TABLE 2 (continued)
Instrument Conditions for Analysis of Volatile Organic Compounds
Mills Gap Road TCE Site
Skyland, North Carolina
January 2008

SIMS Parameters

Group 1 Start Time	2.10 min
Ions/Dwell in Group 1	(62/85) (64/85)
Group 2 Start Time	3.25 min
Ions/Dwell in Group 2	(61/85) (63/85) (96/85)
Group 3 Start Time	3.55 min
Ions/Dwell in Group 3	(57/85) (98/85) (41/85) (61/85) (73/85) (43/85) (96/85)
Group 4 Start Time	3.85 min
Ions/Dwell in Group 4	(27/85) (63/85) (65/85)
Group 5 Start Time	4.05 min
Ions/Dwell in Group 5	(49/85) (61/85) (93/85) (96/85) (98/85) (130/85)
Group 6 Start Time	4.35 min
Ions/Dwell in Group 6	(61/85) (97/85) (99/85)
Group 7 Start Time	4.47 min
Ions/Dwell in Group 7	(50/85) (63/85) (77/85) (78/85) (88/85) (114/85)
Group 8 Start Time	4.68 min
Ions/Dwell in Group 8	(95/85) (130/85) (132/85)
Group 9 Start Time	5.10 min
Ions/Dwell in Group 9	(91/85) (92/85)
Group 10 Start Time	5.45 min
Ions/Dwell in Group 10	(131/85) (164/85) (166/85)
Group 10 Start Time	5.75 min
Ions/Dwell in Group 10	(82/85) (91/85) (106/85) (117/85) (119/85)

TABLE 3
Concentrations and Quantitation Ions for Volatile Organic Standards
Mills Gap Road TCE Site
Skyland, North Carolina
January 2008

Spectra Gases, Inc.

Cylinder Number: ALM057539
 Certification Date: 01 March 2006
 Expiration Date: 29 February 2008

<u>BFB Compound</u>	<u>Quant Ion</u>	<u>Concentration</u>
4-Bromofluorobenzene	N/A	1.02 ppm

Spectra Gases, Inc. Special Certified Blend

Cylinder Number: CC-256175
 Certification Date: 20 March 2007
 Expiration Date: 20 March 2008

<u>Volatile Organic Compound</u>	<u>Quant Ion</u>	<u>Concentration</u>
Vinyl chloride	62	500 ppb
1,1-Dichloroethene	61	539 ppb
trans-1,2-Dichloroethene	61	534 ppb
1,1-Dichloroethane	63	531 ppb
Methyl tert-Butyl Ether	73	534 ppb
cis-1,2-Dichloroethene	61	520 ppb
1,1,1-Trichloroethane	97	529 ppb
Benzene	78	530 ppb
Trichloroethene	130	546 ppb
Toluene	91	536 ppb
Tetrachloroethene	166	521 ppb
Ethylbenzene	91	516 ppb
m-Xylene	91	514 ppb
p-Xylene	91	514 ppb
o-Xylene	91	516 ppb

Spectra Gases, Inc.

Cylinder Number: CC-172915
 Certification Date: 04 December 2007
 Expiration Date: 04 December 2008

<u>Internal Standard</u>	<u>Quant Ion</u>	<u>Concentration</u>
Bromochloromethane	49	1.03 ppm
1,4-Difluorobenzene	114	1.06 ppm
Chlorobenzene-d ₅	117	1.07 ppm

TABLE 3 (continued)
Concentrations and Quantitation Ions for Volatile Organic Standards
Mills Gap Road TCE Site
Skyland, North Carolina
January 2008

Spectra Gases, Inc. Special Certified Blend

Cylinder Number: CC-256138
 Certification Date: 01 October 2007
 Expiration Date: 01 October 2008

<u>Volatile Organic Compound</u>	<u>Quant Ion</u>	<u>Concentration</u>
Vinyl chloride	62	20.7 ppm
1,1-Dichloroethene	61	20.4 ppm
trans-1,2-Dichloroethene	61	21.1 ppm
1,1-Dichloroethane	63	20.4 ppm
Methyl tert-Butyl Ether	73	20.5 ppm
cis-1,2-Dichloroethene	61	20.4 ppm
1,1,1-Trichloroethane	97	20.4 ppm
Benzene	78	20.2 ppm
Trichloroethene	130	20.6 ppm
Toluene	91	20.4 ppm
Tetrachloroethene	166	20.1 ppm
Ethylbenzene	91	20.0 ppm
m-Xylene	91	19.7 ppm
p-Xylene	91	19.7 ppm
o-Xylene	91	19.7 ppm

TABLE 4
Results of Target Compounds for 11 December 2007
Mills Gap Road TCE Site
Skyland, North Carolina
January 2008

Data File	020		021		022		023	
Sample Number	20071211MBL-3		20071211LBL-1		4440		4441	
Sample Location	Method Blank		Lot Blank		MGSS04		MGSS32	
Sample Volume (ml)	5		5		5		5	
Dilution multiplier:	1		1		1		1	
Date Sampled	11 Dec 2007		11 Dec 2007		11 Dec 2007		11 Dec 2007	
Date Analyzed	11 Dec 2007		11 Dec 2007		11 Dec 2007		11 Dec 2007	
Compounds	Results	LOQ	Results	LOQ	Results	LOQ	Results	LOQ
Trichloroethene	U	0.50	U	0.50	0.80	0.50	U	0.50
Tetrachloroethene	U	0.50	U	0.50	U	0.50	U	0.50

Data File	024		025		026		027	
Sample Number	4442		4442 Dup		4443		4444	
Sample Location	Ambient		Ambient		MGSS46		MGSS47	
Sample Volume (ml)	5		5		5		5	
Dilution multiplier:	1		1		1		1	
Date Sampled	11 Dec 2007		11 Dec 2007		11 Dec 2007		11 Dec 2007	
Date Analyzed	11 Dec 2007		11 Dec 2007		11 Dec 2007		11 Dec 2007	
Compounds	Results	LOQ	Results	LOQ	Results	LOQ	Results	LOQ
Trichloroethene	1.1	0.50	1.0	0.50	U	0.50	U	0.50
Tetrachloroethene	U	0.50	U	0.50	U	0.50	U	0.50

Data File	028		029		030		031	
Sample Number	4445		4446		4450		4447	
Sample Location	MGSS31		MGSS29		15 ft from seep 1		seep 3	
Sample Volume (ml)	5		5		5		5	
Dilution multiplier:	1		1		1		1	
Date Sampled	11 Dec 2007		11 Dec 2007		11 Dec 2007		11 Dec 2007	
Date Analyzed	11 Dec 2007		11 Dec 2007		11 Dec 2007		11 Dec 2007	
Compounds	Results	LOQ	Results	LOQ	Results	LOQ	Results	LOQ
Trichloroethene	U	0.50	U	0.50	5.2	0.50	70	0.50
Tetrachloroethene	U	0.50	U	0.50	U	0.50	U	0.50

Results are in parts per billion by volume (ppbv)

U = None detected at or above the limit of quantitation

LOQ = Limit of Quantitation

mL = milliliter

TABLE 4 (continued)
Results of Target Compounds for 11 December 2007
Mills Gap Road TCE Site
Skyland, North Carolina
December 2007

Data File	032	033	034	035				
Sample Number	4448	4449	4449 Dup	4451				
Sample Location	Seep 4	Between seeps 3 &4	Between seeps 3 &4 Dup	MGSG1				
Sample Volume (ml)	5	5	5	5				
Dilution multiplier:	1	1	1	1				
Date Sampled	11 Dec 2007	11 Dec 2007	11 Dec 2007	11 Dec 2007				
Date Analyzed	11 Dec 2007	11 Dec 2007	11 Dec 2007	11 Dec 2007				
Compounds	Results	LOQ	Results	LOQ	Results	LOQ	Results	LOQ
Trichloroethene	9.1	0.50	3.2	0.50	2.3	0.50	U	0.50
Tetrachloroethene	U	0.50	U	0.50	U	0.50	U	0.50

Data File	036	037	038	040				
Sample Number	4452	4453	4454	4455				
Sample Location	MGSG2	MGSG3	MGSG4	MGSG5				
Sample Volume (ml)	5	5	5	5				
Dilution multiplier:	1	1	1	1				
Date Sampled	11 Dec 2007	11 Dec 2007	11 Dec 2007	11 Dec 2007				
Date Analyzed	11 Dec 2007	11 Dec 2007	11 Dec 2007	11 Dec 2007				
Compounds	Results	LOQ	Results	LOQ	Results	LOQ	Results	LOQ
Trichloroethene	41	0.50	45	0.50	460	0.50	U	0.50
Tetrachloroethene	U	0.50	U	0.50	U	0.50	1.2	0.50

Data File	042	043						
Sample Number	4457	4456						
Sample Location	MGSG7	MGSG6						
Sample Volume (ml)	1	1						
Dilution multiplier:	5	5						
Date Sampled	11 Dec 2007	11 Dec 2007						
Date Analyzed	11 Dec 2007	11 Dec 2007						
Compounds	Results	LOQ	Results	LOQ				
Trichloroethene	U	2.5	U	2.5				
Tetrachloroethene	U	2.5	U	2.5				

Results are in parts per billion by volume (ppbv)

U = None detected at or above the limit of quantitation

LOQ = Limit of Quantitation

mL = milliliter

TABLE 5
Results of Target Compounds for 12 December 2007
Mills Gap Road TCE Site
Skyland, North Carolina
January 2008

Data File	011		012		013		014	
Sample Number	20071212MBK-2		20071212BK-1		4459		4458	
Sample Location	Method Blank		Lot Blank		Ambient		MGSS07	
Sample Volume (ml)	5		5		5		5	
Dilution multiplier:	1		1		1		1	
Date Sampled	12 Dec 2007		12 Dec 2007		12 Dec 2007		12 Dec 2007	
Date Analyzed	12 Dec 2007		12 Dec 2007		12 Dec 2007		12 Dec 2007	
Compounds	Results	LOQ	Results	LOQ	Results	LOQ	Results	LOQ
Trichloroethene	U	0.50	U	0.50	U	0.50	U	0.50
Tetrachloroethene	U	0.50	U	0.50	U	0.50	U	0.50

Data File	015		016		017		018	
Sample Number	4460		4461		4462		4463	
Sample Location	MGSG8		MGSG9		MGSG10		MGSG11	
Sample Volume (ml)	5		5		5		5	
Dilution multiplier:	1		1		1		1	
Date Sampled	12 Dec 2007		12 Dec 2007		12 Dec 2007		12 Dec 2007	
Date Analyzed	12 Dec 2007		12 Dec 2007		12 Dec 2007		12 Dec 2007	
Compounds	Results	LOQ	Results	LOQ	Results	LOQ	Results	LOQ
Trichloroethene	U	0.50	U	0.50	U	0.50	U	0.50
Tetrachloroethene	U	0.50	U	0.50	U	0.50	U	0.50

Data File	019		020		021		022	
Sample Number	4468		4467		4469		4469 Dup	
Sample Location	MGSG12		MGSG13		MGSG14		MGSG14 Dup	
Sample Volume (ml)	5		5		5		5	
Dilution multiplier:	1		1		1		1	
Date Sampled	12 Dec 2007		12 Dec 2007		12 Dec 2007		12 Dec 2007	
Date Analyzed	12 Dec 2007		12 Dec 2007		12 Dec 2007		12 Dec 2007	
Compounds	Results	LOQ	Results	LOQ	Results	LOQ	Results	LOQ
Trichloroethene	U	0.50	U	0.50	U	0.50	U	0.50
Tetrachloroethene	U	0.50	U	0.50	U	0.50	U	0.50

Results are in parts per billion by volume (ppbv)

U = None detected at or above the limit of quantitation

LOQ = Limit of Quantitation

mL = milliliter

TABLE 5 (continued)
Results of Target Compounds for 12 December 2007
Mills Gap Road TCE Site
Skyland, North Carolina
January 2008

Data File	023	024	025	026				
Sample Number	4467	4464	4465	4470				
Sample Location	MGSG13 Dup	MGSS43	MGSS106	MGSG15				
Sample Volume (ml)	5	5	5	5				
Dilution multiplier:	1	1	1	1				
Date Sampled	12 Dec 2007	12 Dec 2007	12 Dec 2007	12 Dec 2007				
Date Analyzed	12 Dec 2007	12 Dec 2007	12 Dec 2007	12 Dec 2007				
Compounds	Results	LOQ	Results	LOQ	Results	LOQ	Results	LOQ
Trichloroethene	U	0.50	U	0.50	U	0.50	U	0.50
Tetrachloroethene	U	0.50	16	0.50	U	0.50	U	0.50

Data File	027	028	029	030				
Sample Number	4471	4472	4473	4466				
Sample Location	MGSG16	MGSG17	MGSG18	MGSS238				
Sample Volume (ml)	5	5	5	5				
Dilution multiplier:	1	1	1	1				
Date Sampled	12 Dec 2007	12 Dec 2007	12 Dec 2007	12 Dec 2007				
Date Analyzed	12 Dec 2007	12 Dec 2007	12 Dec 2007	12 Dec 2007				
Compounds	Results	LOQ	Results	LOQ	Results	LOQ	Results	LOQ
Trichloroethene	U	0.50	U	0.50	U	0.50	U	0.50
Tetrachloroethene	U	0.50	U	0.50	U	0.50	U	0.50

Results are in parts per billion by volume (ppbv)

U = None detected at or above the limit of quantitation

LOQ = Limit of Quantitation

mL = milliliter

TABLE 6
Replicate Summary for Volatile Organic Compounds for 11 December 2007
Mills Gap Road TCE Site
Skyland, North Carolina
January 2008

Data File	024	025	
Sample Number	4442	4442	
Sample Location	Ambient	Ambient dup	
Sample Volume (ml)	5	5	
Dilution multiplier:	1	1	
Date Sampled	11 Dec 2007	11 Dec 2007	
Date Analyzed	11 Dec 2007	11 Dec 2007	
Compounds	Result	Result	RPD
Trichloroethene	1.1	1.0	9.5
Tetrachloroethene	U	U	

Data File	033	034	
Sample Number	4449	4449 Dup	
Sample Location	Between seeps 3 & 4	Between seeps 3 & 4	
Sample Volume (ml)	5	5	
Dilution multiplier:	1	1	
Date Sampled	11 Dec 2007	11 Dec 2007	
Date Analyzed	11 Dec 2007	11 Dec 2007	
Compounds	Results	Results	RPD
Trichloroethene	3.2	2.3	33
Tetrachloroethene	U	U	

Results are in part per billion by volume (ppbv)

RPD = Relative Percent Difference (absolute difference of the replicate values divided by their mean, expressed as a percentage)

U = None detected at or above the limit of quantitation

TABLE 7
Replicate Summary for Volatile Organic Compounds for 12 December 2007
Mills Gap Road TCE Site
Skyland, North Carolina
December 2007

Data File	021	022
Sample Number	4469	4469
Sample Location	MGSG14	MGSG14 Dup
Sample Volume (ml)	5	5
Dilution multiplier:	1	1
Date Sampled	12 Dec 2007	12 Dec 2007
Date Analyzed	12 Dec 2007	12 Dec 2007

Compounds	Result	Result	RPD
Trichloroethene	U	U	
Tetrachloroethene	U	U	

Data File	020	023
Sample Number	4467	4467
Sample Location	MGSG13	MGSG13 Dup
Sample Volume (ml)	5	5
Dilution multiplier:	1	1
Date Sampled	12 Dec 2007	12 Dec 2007
Date Analyzed	12 Dec 2007	12 Dec 2007

Compounds	Results	Results	RPD
Trichloroethene	U	U	
Tetrachloroethene	U	U	

Results are in part per billion by volume (ppbv)

RPD = Relative Percent Difference (absolute difference of the replicate values divided by their mean, expressed as a percentage)

U = None detected at or above the limit of quantitation

Appendix A

APPENDIX A

Chain of Custody Records

Mills Gap Road TCE Site

GC/MS Analytical Report

January 2008

REAC, Edison, NJ
(732) 321-4200

CHAIN OF CUSTODY RECORD

Site #: 0-296

Contact Name: John Johnson

EP-C-04-032

No: 0-296-12/11/07-0001

Lab: REAC Mobile Laboratory
Lab Phone: 732-494-4000

[illegible]

Special Instructions: TO-15 Loop Method/ TCE detection limit as requested by PWA

**SAMPLES TRANSFERRED FROM
CHAIN OF CUSTODY #**

[illegible]

[illegible]

Appendix B

APPENDIX B

Standard Certificates of Analysis

Mills Gap Road TCE Site

GC/MS Analytical Report

January 2008



Scott Specialty Gases

6141 EASTON ROAD, BLDG 1, PLUMSTEADVILLE, PA 18949-0310 Phone: 800-331-4953 Fax: 215-766-7226

CERTIFICATE OF ACCURACY: Custom Class Calibration Standard

Product Information

Project No.: 01-46739-001
Item No.: 0102B201270ZAL
P.O. No.: 7100000949

Cylinder Number: ALMO57539
Cylinder Size: AL
Certification Date: 01Mar2006
Expiration Date: 29Feb2008

Customer

LOCKHEED MARTIN
2890 WOODBRIDGE AVE
BUILDING 209
EDISON, NJ 08837

*Released
by T8J
on 3/17/06*

CERTIFIED CONCENTRATION

Component Name

4-BROMOFLUOROBENZENE
NITROGEN

Concentration (Moles)

1.02 PPM
BALANCE

Accuracy (+/-%)

10

TRACEABILITY

Description

ANALYTICAL TRACEABILITY

Traceability Type

GAS STANDARDS

Traceable To

APPROVED BY:

[Signature]
GENVA ROGUT

DATE:

03/08/06



3434 Route 22 West, Branchburg, New Jersey 08876 USA
ISO 9001:2000

SHIPPED FROM: 80 INDUSTRIAL DRIVE ALPHA, NJ. 08865

SHIPPED TO: Lockheed Martin/Reac GSA Raritan Depot
Bldg 209, Bay F
2890 Woodbridge Ave
Edison, NJ 08837

**CERTIFICATE
OF
ANALYSIS**

SGI ORDER # :	105876	CYLINDER # :	CC-258175
ITEM# :	1	CYLINDER PRES:	2000 psig
CERTIFICATION DATE:	03/20/2007	CYLINDER VALVE:	CGA 350
P.O.# :	CC-C SHIELDS	PRODUCT EXPIRATION DATE:	03/20/2008
BLEND TYPE:	CERTIFIED		

ANALYTICAL ACCURACY: +/- 5%

COMPONENT	REQUESTED GAS CONC	ANALYSIS
Vinyl Chloride	500 ppb	500 ppb
1,1-Dichloroethene	500 ppb	539 ppb
Trans-1,2-Dichloroethene	500 ppb	534 ppb
1,1-Dichloroethane	500 ppb	531 ppb
Methyl Tert Butyl Ether	500 ppb	534 ppb
Cis-1,2-Dichloroethene	500 ppb	520 ppb
1,1,1-Trichloroethane	500 ppb	529 ppb
Benzene	500 ppb	530 ppb
Trichloroethylene	500 ppb	546 ppb
Toluene	500 ppb	538 ppb
Tetrachloroethylene	500 ppb	521 ppb
Ethylbenzene	500 ppb	516 ppb
p-xylene	500 ppb	514 ppb
m-xylene	500 ppb	514 ppb
o-xylene	500 ppb	516 ppb
Nitrogen	Balance	Balance

ANALYST:

April Chamberlain

DATE: 03/20/2007

Tel: +1 908-252-9300 Fax: +1 908-252-0811
www.spectragases.com



Spectra Gases, Inc.

3434 Route 22 West, Branchburg, New Jersey 08876 USA

ISO 9001:2000

SHIPPED FROM: 80 INDUSTRIAL DRIVE ALPHA, NJ. 08865

SHIPPED TO: Lockheed Martin Environmental Services
2890 Woodbridge Ave.
Edison, NJ 08837-3679

**CERTIFICATE
OF
ANALYSIS**

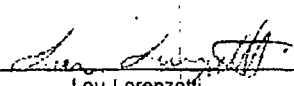
SGI ORDER #: 120022
ITEM#: 2
CERTIFICATION DATE: 12/04/2007
P.O.#: CC-G BALL
BLEND TYPE: CERTIFIED

CYLINDER #: CC-172915
CYLINDER PRES: 1950 psig
CYLINDER VALVE: CGA 350
PRODUCT EXPIRATION DATE: 12/04/2008

ANALYTICAL ACCURACY: +/-5%

COMPONENT	REQUESTED GAS CONC	ANALYSIS
Bromochloromethane	1.00 ppm	1.03 ppm
1,4-Difluorobenzene	1.00 ppm	1.06 ppm
Chlorobenzene-d5	1.00 ppm	1.07 ppm
Nitrogen	Balance	Balance

ANALYST:


Lou Lorenzetti

DATE: 12/04/2007

Tel: +1 908-252-0300 Fax: +1 908-252-0811
www.spectragases.com



3434 Route 22 West, Branchburg, New Jersey 08876 USA
ISO 9001:2000

SHIPPED FROM: 80 INDUSTRIAL DRIVE ALPHA, NJ. 08865

SHIPPED TO: Lockheed Martin / REAC
GSA Raritan Depot, Bldg. 209
2890 Woodbridge Ave.
Edison, NJ 08837

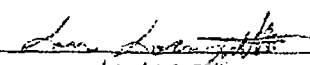
**CERTIFICATE
OF
ANALYSIS**

SGI ORDER # :	114624	CYLINDER # :	CC-256138
ITEM# :	1	CYLINDER PRES:	355 psig
CERTIFICATION DATE:	10/01/2007	CYLINDER VALVE:	CGA 350
P.O.# :	CC-C Shields	PRODUCT EXPIRATION DATE:	10/01/2008
BLEND TYPE:	CERTIFIED		

ANALYTICAL ACCURACY: +/- 5%

COMPONENT	REQUESTED GAS CONC	ANALYSIS
Vinyl Chloride	20.0 ppm	20.7 ppm
1,1-Dichloroethene	20.0 ppm	20.4 ppm
trans-1,2-Dichloroethylene	20.0 ppm	21.1 ppm
1,1-Dichloroethane	20.0 ppm	20.4 ppm
Methyl Tert Butyl Ether	20.0 ppm	20.5 ppm
Cis-1,2-Dichloroethylene	20.0 ppm	20.4 ppm
1,1,1-Trichloroethane	20.0 ppm	20.4 ppm
Benzene	20.0 ppm	20.2 ppm
Trichloroethylene	20.0 ppm	20.8 ppm
Toluene	20.0 ppm	20.4 ppm
Tetrachloroethylene	20.0 ppm	20.1 ppm
Ethylbenzene	20.0 ppm	20.0 ppm
p-Xylene	20.0 ppm	19.7 ppm
m-Xylene	20.0 ppm	19.7 ppm
o-Xylene	20.0 ppm	19.7 ppm
Nitrogen	Balance	Balance

ANALYST:


Lou Lorenzetti

DATE: 10/01/2007

Tel: +1 908-252-9300 Fax: +1 908-252-0811
www.spectra-gases.com

Appendix C

APPENDIX C

Calibration Data

Mills Gap Road TCE Site

GC/MS Analytical Report

January 2008

12/11/07 Date File

20071211 BFB-1 .001 5ml of BFB @ 1ppm, tune check

20071211 STD-1 .002 5ml, 0.5 ppbv std w/ I.S. (10ppb) NG but try

20071211 STD-2 .003 5ml of ppbv std w/ I.S. (10ppb) return 0.3 ppbv std w/ I.S.

Retune → tune shifted and not stable from no source loop control

20071211 BFB-2 .004 5ml of BFB @ 1ppm, tune check, failed

20071211 BFB-3 .005 5ml of BFB @ 1ppm, tune check 176 low (90.4%) NG

20071211 BFB-4 .006 5ml of BFB @ 1ppm, tune check 176 low (44.1%) NG

20071211 BFB-5 .007 5ml of BFB @ 1ppm, tune check 176 low (92.2%) NG

retune

20071211 BFB-6 .008 5ml of BFB @ 1ppm, tune check 176 low (90.4%) NG

retune - reset 217 target to 57% + (48.6%) NG

20071211 BFB-7 .009 5ml of BFB @ 1ppm, tune check 176 low

20071211 BFB-8 .010 5ml of BFB @ 1ppm, " " failed 50 low (14.8%)

20071211 BFB-9 .011 5ml of BFB @ 1ppm, " " passed OK

20071211 STD-3 .012 0.5 ppbv std w/ 10ppb I.S., 5ml loop

20071211 STD-4 .013 1.0 ppbv std w/ 10ppb I.S., 5ml loop

20071211 STD-5 .014 5.0 ppbv std w/ 10ppb I.S., 5ml loop

20071211 STD-6 .015 5.0 ppbv std w/ 10ppb I.S., 5ml loop

20071211 STD-7 .016 500 ppbv ppbv std w/ 10ppb I.S., 5ml loop

20071211 STD-8 .017 5 ppmv std w/ 10ppb I.S., 5ml loop

20071211 MBL-1 .018 5ml Method Blank w/ I.S. NG

20071211 MBL-2 .019 5ml " " w/ I.S. N.G.

20071211 MBL-3 .020 5ml " " w/ I.S. OK

20071211 LBL-1 .021 5ml of Teller Bay Blk w/ I.S. OK

20071211 4440 .022 5ml #4440, MG-SS04 @ 8:11 AM 12-11-07

4441 .023 5ml #4441, MG-SS32 @ 8:22 AM 12-11-07

4442 .024 5ml #4442, Ambient @ 8:37 AM 12-11-07

4442 Dup .025 5ml #4442, " @ 8:37 AM 12-11-07, Dup

4443 .026 5ml #4443, MG-SS46 @ 8:52 AM

4444 .027 5ml #4444, MG-SS47 @ 9:11 AM

4445 .028 5ml #4445, MG-SS31 @ 9:49 AM

4446 .029 5ml #4446, MG-SS29 @ 11:25 AM

4450 .030 5ml #4450, 15 ft from Secp 2 @ 14:22

4447 .031 5ml #4447, Secp 3 @ 14:03

4448 .032 5ml #4448, Secp 4 @ 14:08

Continued on Page

Read and Understood By

M. Hilde

Signed

12/11/07

Date

Signed

Date

12-11-07 (Cont)

4449	.033	5ml S#4449, Between Seeps 3+4 @ 14:16
4449 Dup	.034	5ml S#4449, " " 3+4 @ 14:16 Dup
4451	.125	5ml S#4451, MG SG 1 @ 15:15
4452	.036	5ml S#4452, MG SG 2 @ 15:25
4453	.037	5ml S#4453, MG SG 3 @ 15:40
4454	.138	5ml S#4454, MG SG 4 @ 15:45
4457	.039	5ml S#4457, MG SG 7 @ 14:50 → 3rd I.S. sampled for return
4455	.040	5ml S#4455, MG SG 5 @ 16:30
4456	.041	5ml S#4456, MG SG 6 @ 16:40
4457 R	.042 (5)	5ml S#4457, MG SG 7 (1ml) @ 14:50
4456 R	.043	1ml (5X) S#4456, MG SG 6 @ 16:40

12-12-07, loop method, 5ml20071212

#1 .001	5ml of BFB, 1 ppmv std	Failed 176 low (92.97%)
#2 .002	5ml of BFB, 1 ppmv std	Failed 176 low 92.6
- retine		
#3 .003	5ml of BFB, 1 ppmv std	OK
20071212 STD-1	0.5 ppbv std w/10 ppb I.S.	STDS BFB-ALM057539 20 ppb - 256138 500 ppb - 256175 loop 20071212 I.S-CC172915
20071212 STD-2	1.0 ppbv std w/10 ppb I.S.	
20071212 STD-3	5.0 ppbv std w/10 ppb I.S.	
.007 20071212 STD-4	50 ppb std w/10 ppb I.S.	
.008 20071212 STD-5	500 ppb std w/10 ppb I.S.	
.009 20071212 STD-6	5.0 ppmv std w/10 ppb I.S.	
.010 20071212 MBK-1	method blank 5ml w/I.S.	N.G.
.011 20071212 MBK-2	" " 5ml w/I.S.	OK
.012 20071212 MBK-1	5ml Tedlar Bag Blank w/I.S.	
.013 20071212 4459	5ml, Ambient @ 12/12/07	
.014 4458	5ml, MG SG 7 @ 9:15	
.015 4460	5ml, MG SG 8 @ 10:15	
.016 4461	5ml, MG SG 9 @ 10:30	
.017 4462	5ml, MG SG 10 @ 11:50	
.018 4463	5ml, MG SG 11 @ 12:10	
.019 4468	5ml, MG SG 12 @ 13:45	
.020 4467	5ml, MG SG 13 @ 14:00	

Continued on Page

Read and Understood By

an Hill

Signed

12/12/07

Date

Signed

Date

BFB

Data File : C:\MSDCHEM\1\DATA\2007\20071211\011.D

Vial: 1

Acq On : 11 Dec 2007 10:22

Operator: CWS

Sample : 20071211BFB-9\ 1 ppmv BFB

Inst : Instrumen

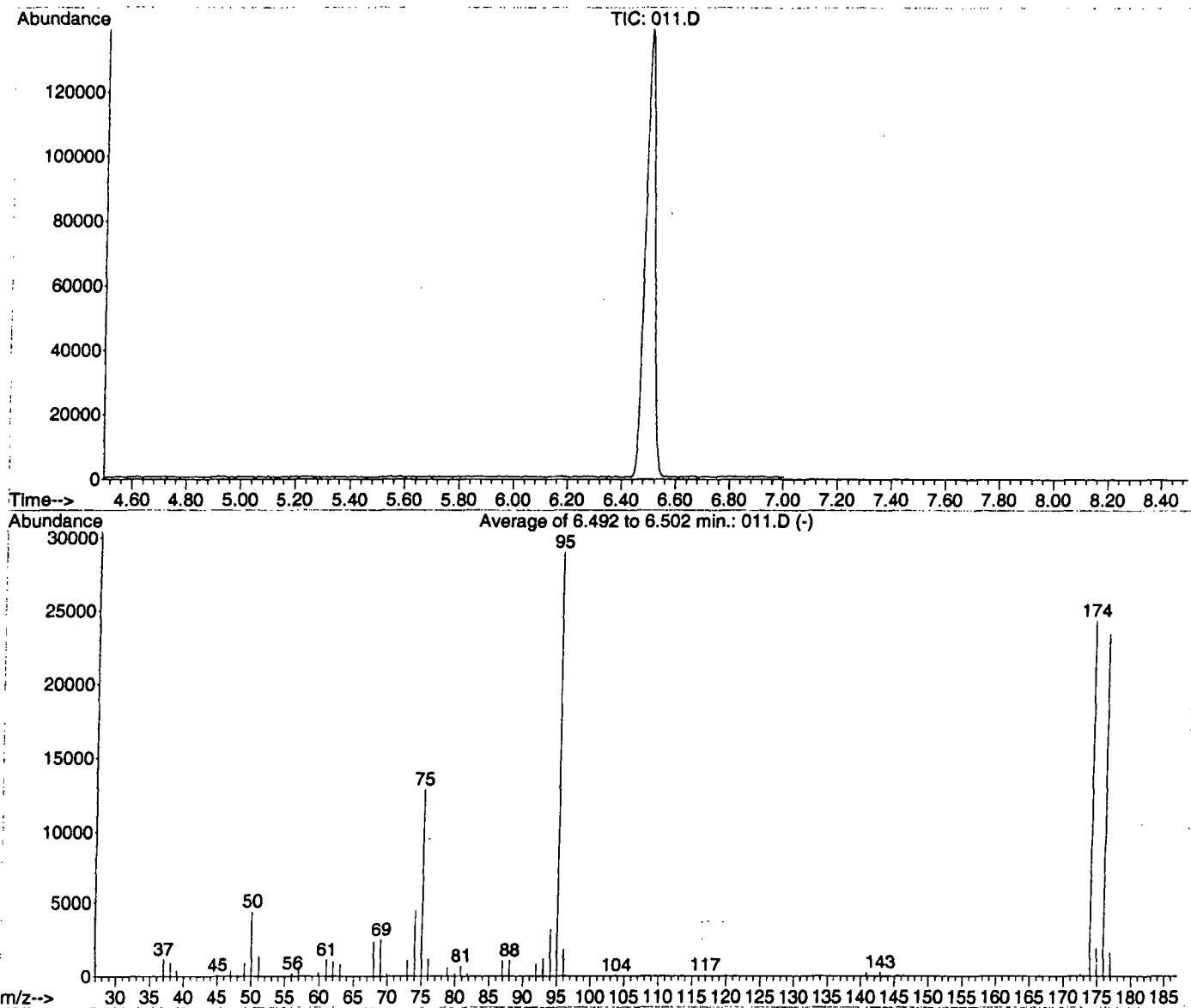
Misc : 5 mL\11 Dec 2007

Multiplr: 1.00

MS Integration Params: rteint.p

Method : C:\MSDCHEM\1\METHODS\LOOP20071203.M (RTE Integrator)

Title : VOC



AutoFind: Scans 463, 464, 465; Background Corrected with Scan 450

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
50	95	15	40	15.2	4420	PASS
75	95	30	60	44.4	12871	PASS
95	95	100	100	100.0	28997	PASS
96	95	5	9	6.2	1812	PASS
173	174	0.00	2	0.0	0	PASS
174	95	50	100	83.9	24336	PASS
175	174	5	9	8.0	1953	PASS
176	174	95	101	96.1	23381	PASS
177	176	5	9	7.1	1659	PASS

GC/MS QA-QC Check Report

Tune File : C:\MSDCHEM\1\DATA\2007\20071211\011.D

Tune Time : 11 Dec 2007 10:22

Daily Calibration File : C:\MSDCHEM\1\DATA\2007\20071211\012.D

		651	2583	2500
File	Sample	Surrogate Recovery %	Internal Standard Responses	
=====				
No Quant Results for C:\MSDCHEM\1\DATA\2007\20071211\012.D				
=====				
013.D	20071211	612	2555	2472

014.D	20071211	613	2431	2351

015.D	20071211	680	2527	2484

016.D	20071211	700	2938	2841

017.D	20071211	701	2937	2811

020.D	20071211	616	2498	2419

021.D	20071211	620	2489	2492

22.D	4440\ MG	578	2336	2310

23.D	4441\ MG	602	2434	2417

24.D	4442\ Am	603	2399	2374

25.D	4442\ Am	603	2299	2294

26.D	4443\ MG	554	2418	2370

27.D	4444\ MG	563	2386	2354

28.D	4445\ MG	593	2453	2330

29.D	4446\ MG	616	2461	2386

30.D	4450\ 15	601	2719	2274

31.D	4447\ se	602	2419	2358

32.D	4448\ se	571	2419	2347

33.D	4449\ be	575	2415	2290

34.D	4449\ be	767	3260	3028

35.D	4451\ MG	598	2276	2310

36.D	4452\ MG	588	2279	2208

37.D	4453\ MG	666	2335	2430

38.D	4454\ MG	582	2414	2311

39.D	4455\ MG	576	2398	2234

40.D	4457\ MG	586	2354	2163

41.D	4456\ MG	632	2439	2284

t - fails 24hr time check * - fails criteria

Created: Wed Jan 23 10:39:42 2008 Instrumen

Response Factor Report Instrumen

Method : C:\MSDCHEM\1\METHODS\LOOP20071211.M (RTE Integrator)
 Title : VOC
 Last Update : Tue Dec 11 11:52:00 2007
 Response via : Initial Calibration

Calibration Files

0.5 =012.D 1 =013.D 5 =014.D
 50 =015.D 500 =016.D 5000 =017.D

Compound	0.5	1	5	50	500	5000	Avg	%RSD
----------	-----	---	---	----	-----	------	-----	------

1)	Bromochloromethane	-----ISTD-----						
2)	Vinyl Chloride	0.948	0.724	0.714	0.669	0.736	0.758	14.36
3)	1,1-Dichloroeth	1.382	1.487	1.449	1.214	1.161	1.214	10.52
4)	Methyl tert-But	1.905	1.732	1.517	1.325	1.701	2.102	16.03
5)	trans-1,2-Dichl	1.690	1.503	1.370	1.146	1.115	1.153	17.54
6)	1,1-Dichloroeth	1.444	1.863	1.697	1.414	1.379	1.427	12.76
7)	cis-1,2-Dichlor	1.659	1.225	1.210	1.026	1.014	1.037	20.58
8)	1,1,1-Trichloro	1.874	2.418	2.140	1.854	1.830	1.945	11.41
9)	1,4-Difluorobenzene	-----ISTD-----						
10)	Benzene	0.759	0.818	0.703	0.667	0.587	0.572	14.06
11)	Trichloroethene	0.457	0.450	0.393	0.343	0.300	0.308	18.41
12)	Chlorobenzene-d5	-----ISTD-----						
13)	Toluene	1.192	1.100	0.908	0.785	0.721	0.738	21.85
14)	Tetrachloroethe	0.424	0.481	0.482	0.443	0.397	0.403	8.48
15)	Ethylbenzene	0.920	0.910	0.875	0.909	0.905	0.950	2.69
16)	m&p-Xylenes	0.708	0.663	0.640	0.630	0.661	0.640	4.27
17)	o-Xylene	1.016	0.866	0.692	0.663	0.685	0.720	17.98

Data File : C:\MSDCHEM\1\DATA\2007\20071211\012.D Vial: 1
 Acq On : 11 Dec 2007 10:35 Operator: CWS
 Sample : 20071211STD-3\ 0.5 ppbv std Inst : Instrumen
 Misc : 5 mL\11 Dec 2007 Multiplr: 1.00
 MS Integration Params: rteint.p
 Quant Time: Dec 11 10:42:39 2007 Quant Results File: LOOP20071203.RES

Quant Method : C:\MSDCHEM\1...\LOOP20071203.M (RTE Integrator)
 Title : VOC
 Last Update : Mon Dec 03 11:13:33 2007
 Response via : Initial Calibration
 DataAcq Meth : LOOPSIMI

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	4.26	49	651	10.00	ppbv	-0.01
9) 1,4-Difluorobenzene	4.59	114	2583m	10.00	ppbv	0.00
12) Chlorobenzene-d5	5.99	117	2500	10.00	ppbv	-0.02

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Vinyl Chloride	2.60	62	10	0.19	ppbv	97
3) 1,1-Dichloroethene	3.40	61	45	0.46	ppbv #	28
4) Methyl tert-Butyl Ether (M	3.70	73	62	0.61	ppbv #	54
5) trans-1,2-Dichloroethene	3.77	61	55	0.64	ppbv #	1
6) 1,1-Dichloroethane	3.92	63	47m	0.48	ppbv	
7) cis-1,2-Dichloroethene	4.15	61	54m	0.67	ppbv	
8) 1,1,1-Trichloroethane	4.39	97	61m	0.42	ppbv	
10) Benzene	4.54	78	98m	0.49	ppbv	
11) Trichloroethene	4.75	130	59	0.54	ppbv #	31
13) Toluene	5.25	91	149	0.39	ppbv	91
14) Tetrachloroethene	5.58	166	53m	0.38	ppbv	
15) Ethylbenzene	6.03	91	115m	0.40	ppbv	
16) m&p-Xylenes	6.07	91	177m	0.84	ppbv	
17) o-Xylene	6.38	91	127	0.56	ppbv	94

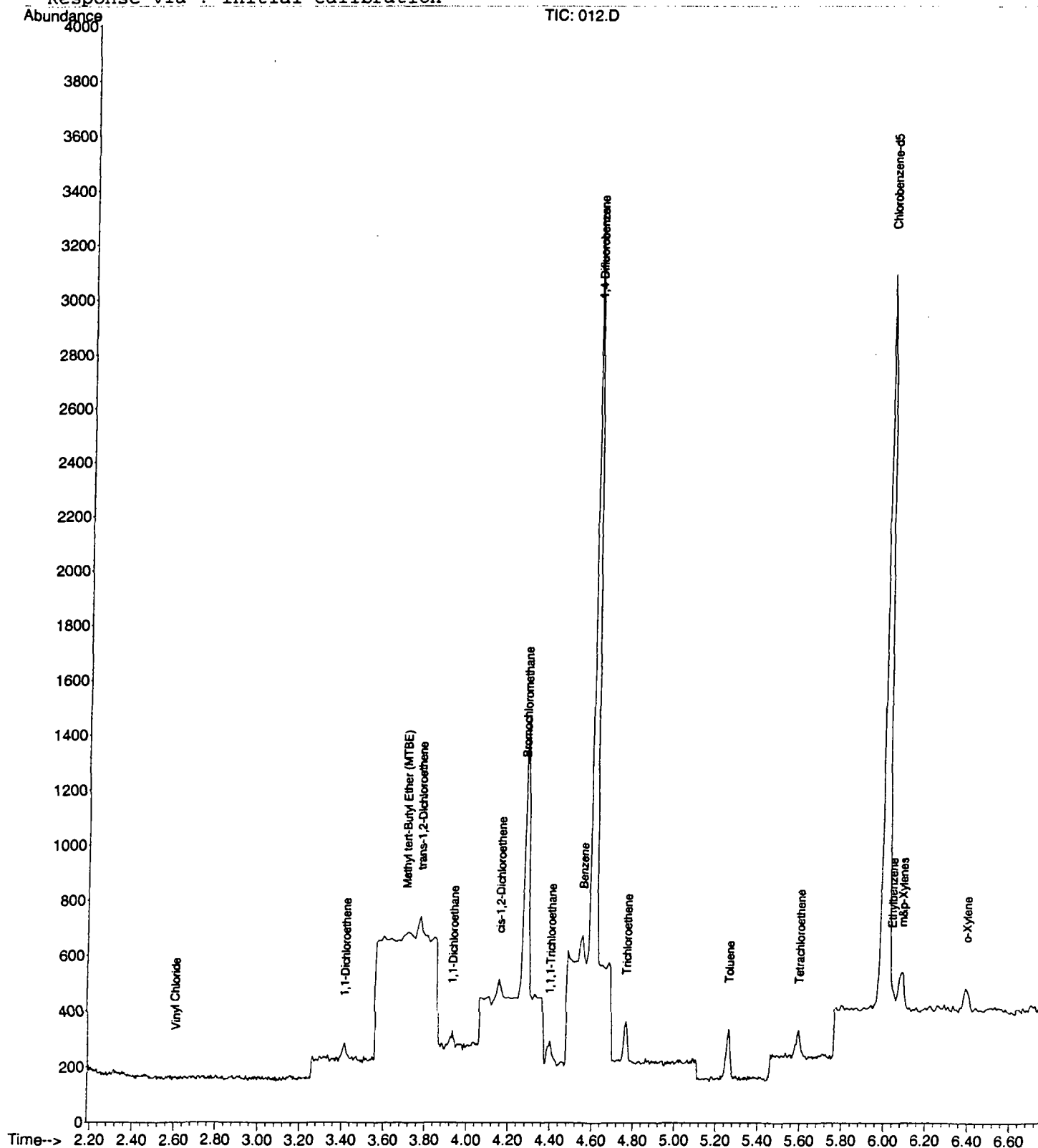
Quantitation Report (QT Reviewed)

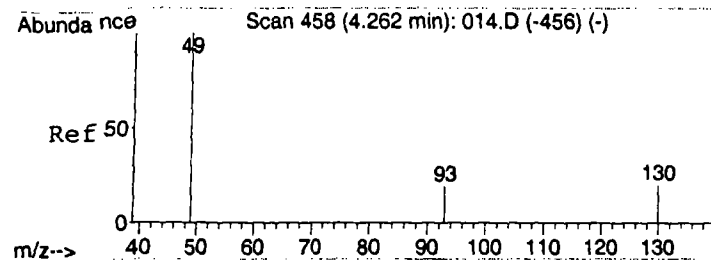
Data File : C:\MSDCHEM\1\DATA\2007\20071211\012.D
 Acq On : 11 Dec 2007 10:35
 Sample : 20071211STD-3\ 0.5 ppbv std
 Misc : 5 mL\11 Dec 2007
 MS Integration Params: rteint.p
 Quant Time: Dec 11 10:44 2007

Vial: 1
 Operator: CWS
 Inst : Instrumen
 Multiplr: 1.00

Quant Results File: LOOP20071203.RES

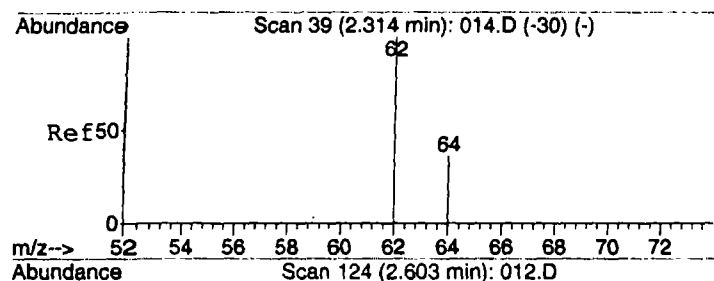
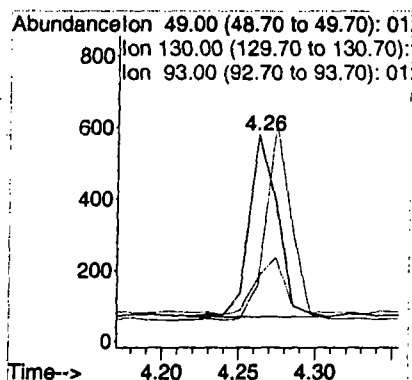
Method : C:\MSDCHEM\1\METHODS\LOOP20071211.M (RTE Integrator)
 Title : VOC
 Last Update : Thu Dec 20 13:57:21 2007
 Response via : Initial Calibration





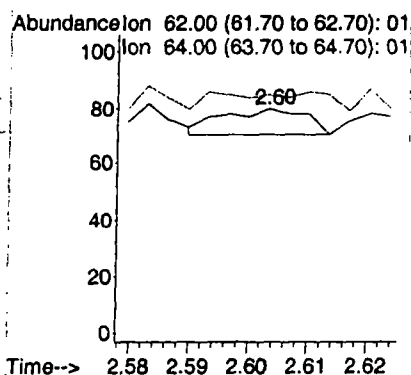
#1
Bromochloromethane
Concen: 10.00 ppbv
RT: 4.26 min Scan# 458
Delta R.T. -0.01 min
Lab File: 012.D
Acq: 11 Dec 2007 10:35

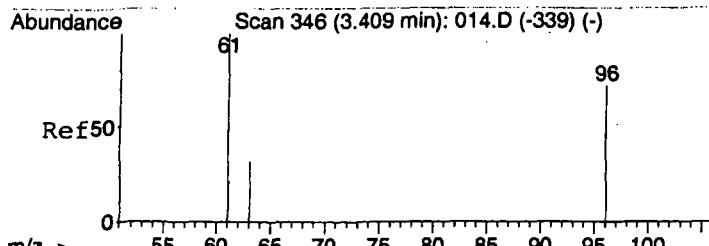
Tgt Ion	Resp	Lower	Upper
49	100		
130	155.3	105.7	158.5
93	33.2	24.4	36.6



#2
Vinyl Chloride
Concen: 0.19 ppbv
RT: 2.60 min Scan# 124
Delta R.T. 0.29 min
Lab File: 012.D
Acq: 11 Dec 2007 10:35

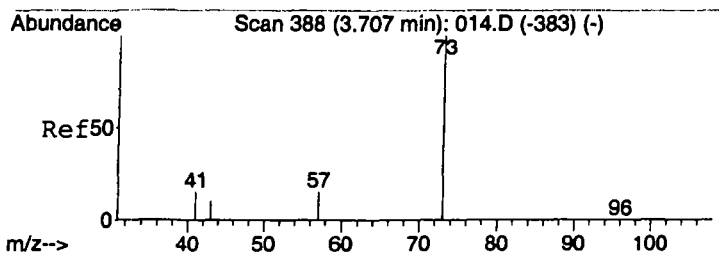
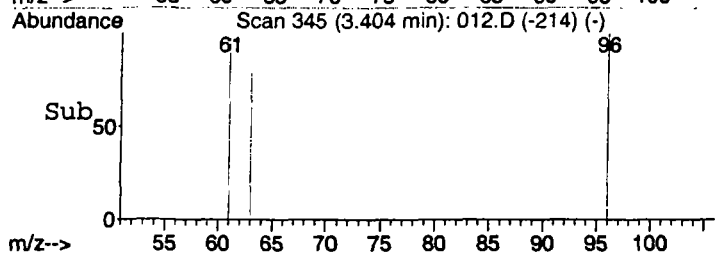
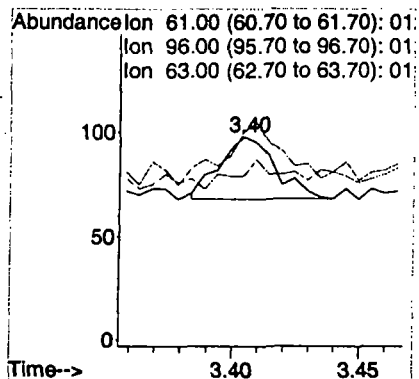
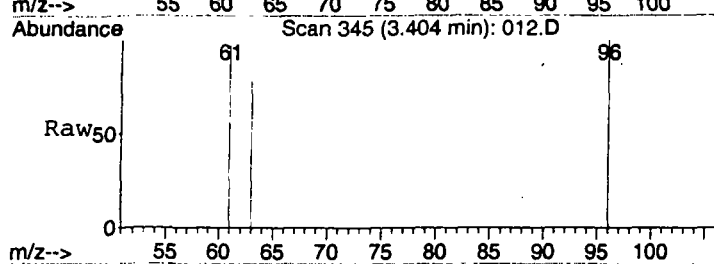
Tgt Ion	Resp	Lower	Upper
62	100		
64	30.0	25.5	38.3





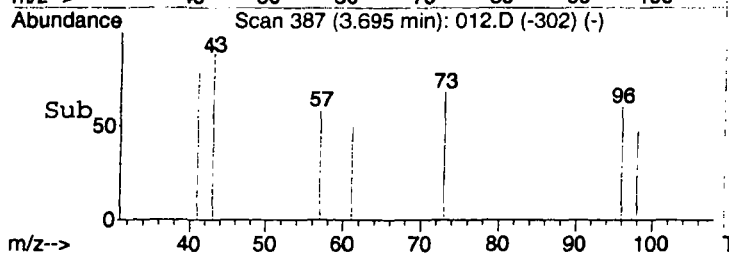
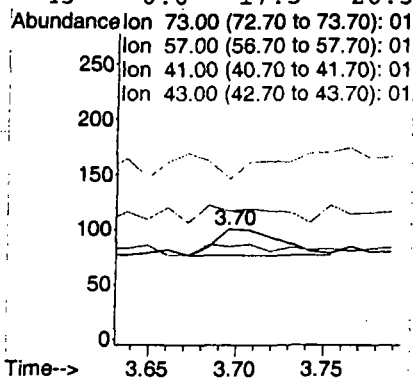
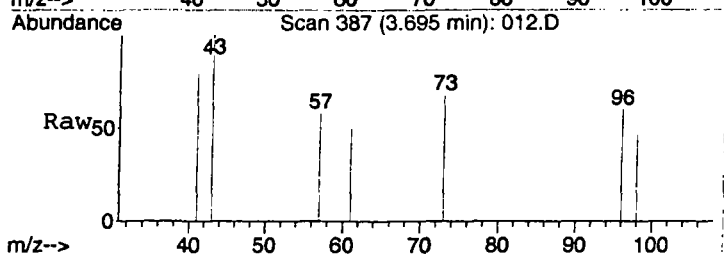
#3
1,1-Dichloroethene
Concen: 0.46 ppbv
RT: 3.40 min Scan# 345
Delta R.T. -0.01 min
Lab File: 012.D
Acq: 11 Dec 2007 10:35

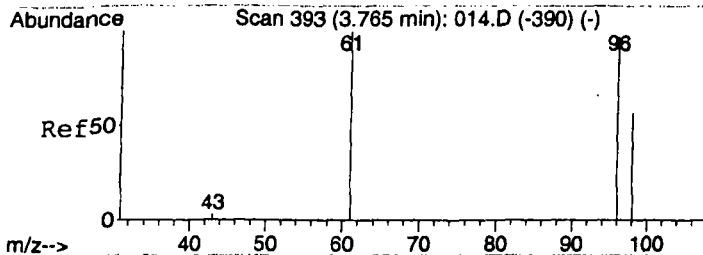
Tgt Ion: 61 Resp: 45
Ion Ratio Lower Upper
61 100
96 0.0 48.4 72.6#
63 0.0 24.4 36.6#



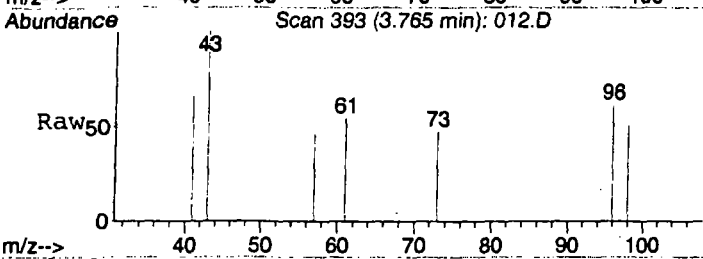
#4
Methyl tert-Butyl Ether (MTBE)
Concen: 0.61 ppbv
RT: 3.70 min Scan# 387
Delta R.T. -0.01 min
Lab File: 012.D
Acq: 11 Dec 2007 10:35

Tgt Ion: 73 Resp: 62
Ion Ratio Lower Upper
73 100
57 0.0 19.1 28.7#
41 0.0 16.5 24.7#
43 0.0 17.5 26.3#

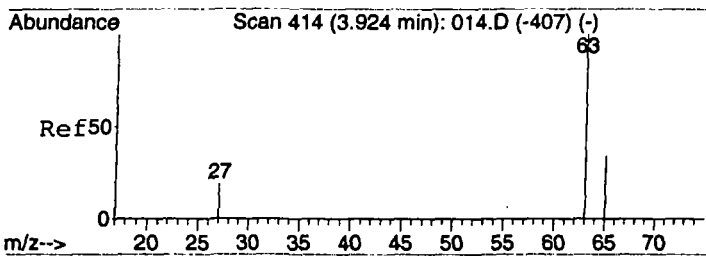
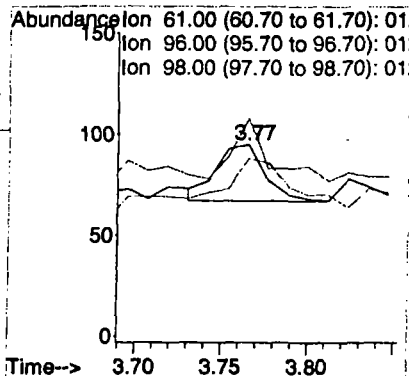
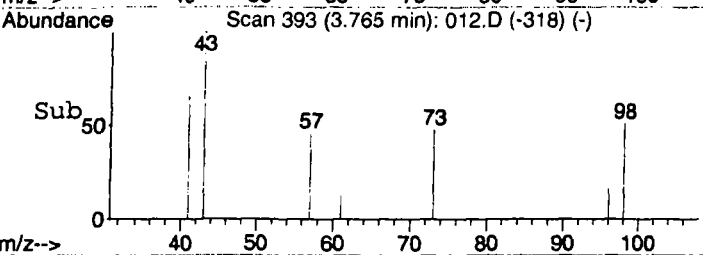




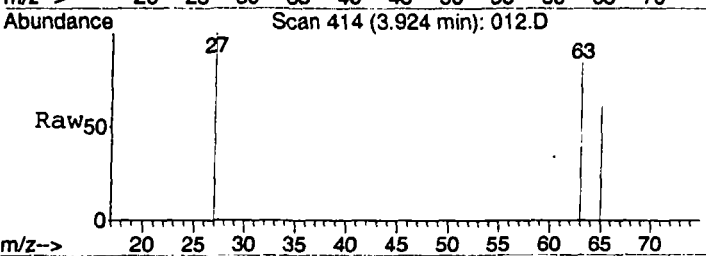
#5
trans-1,2-Dichloroethene
Concen: 0.64 ppbv
RT: 3.77 min Scan# 393
Delta R.T. -0.00 min
Lab File: 012.D
Acq: 11 Dec 2007 10:35



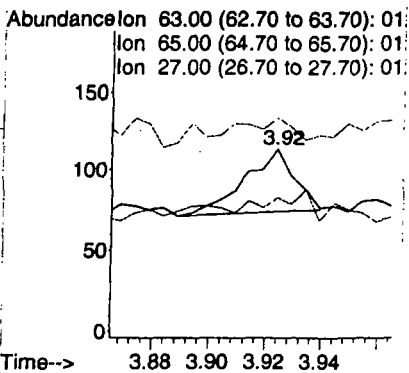
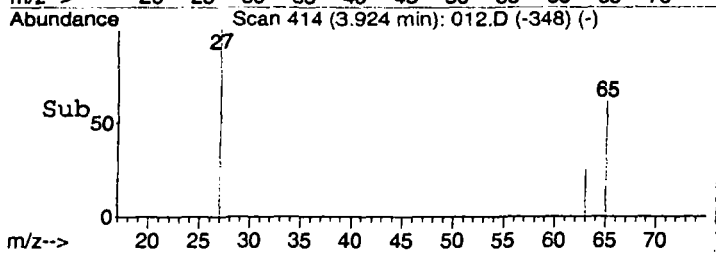
Tgt Ion	Ratio	Lower	Upper
61	100		
96	920.0	56.8	85.2#
98	0.0	42.1	63.1#

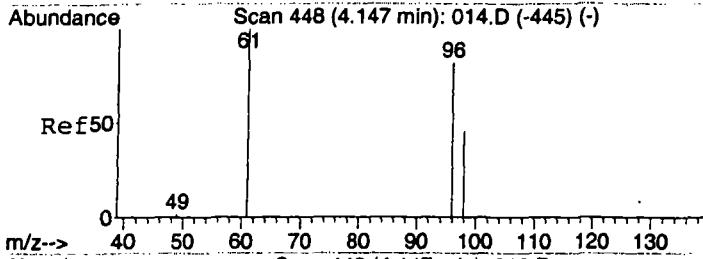


#6
1,1-Dichloroethane
Concen: 0.48 ppbv m
RT: 3.92 min Scan# 414
Delta R.T. 0.00 min
Lab File: 012.D
Acq: 11 Dec 2007 10:35

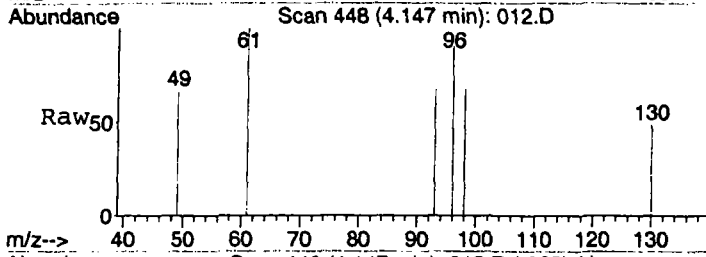


Tgt Ion	Ratio	Lower	Upper
63	100		
65	0.0	26.5	39.7#
27	0.0	18.0	27.0#

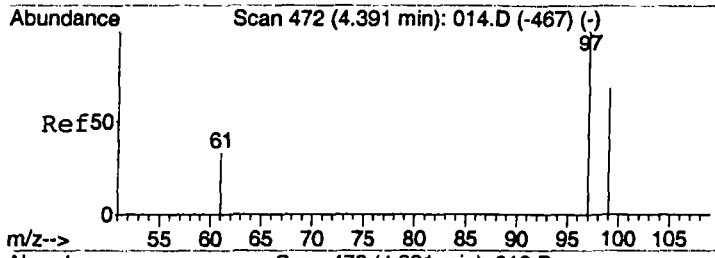
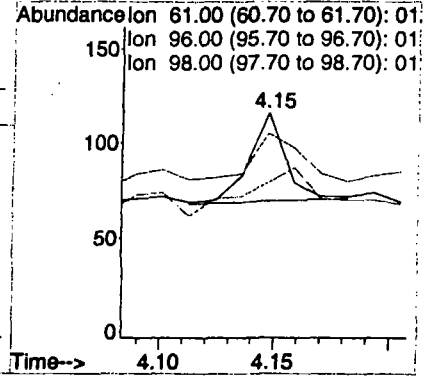
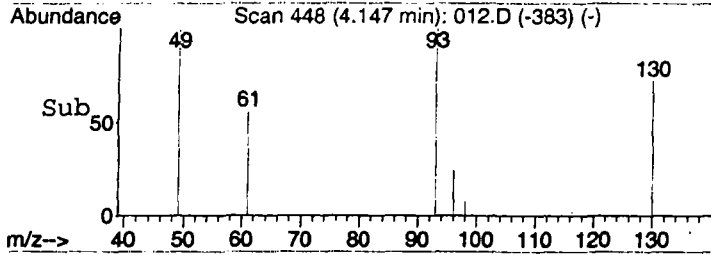




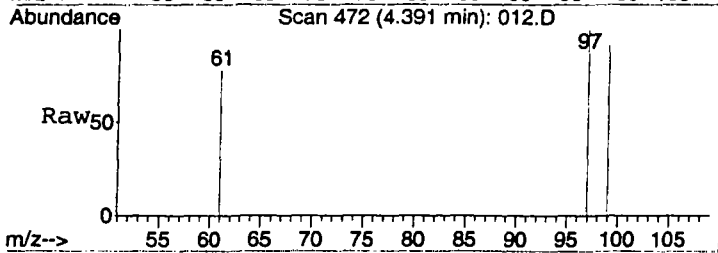
#7
 cis-1,2-Dichloroethene
 Concen: 0.67 ppbv m
 RT: 4.15 min Scan# 448
 Delta R.T. 0.00 min
 Lab File: 012.D
 Acq: 11 Dec 2007 10:35



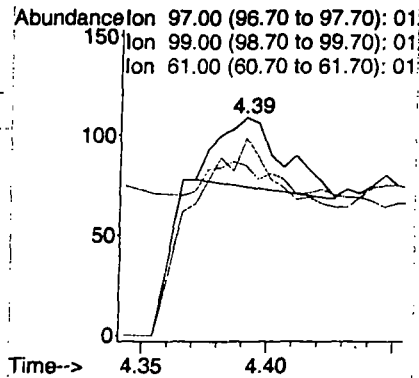
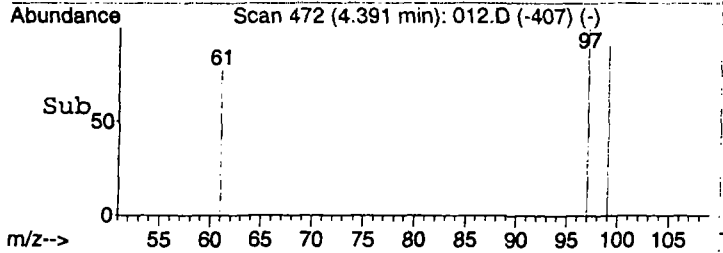
Tgt Ion: 61 Resp: 54
 Ion Ratio Lower Upper
 61 100
 96 0.0 64.8 97.2#
 98 0.0 49.8 74.8#

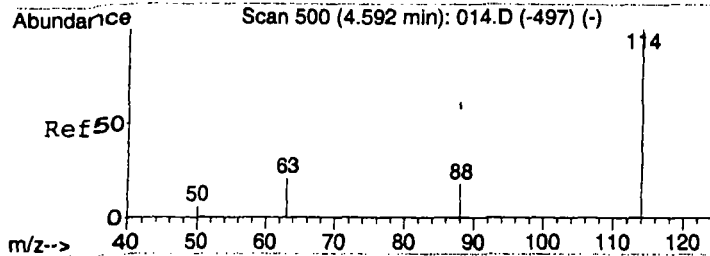


#8
 1,1,1-Trichloroethane
 Concen: 0.42 ppbv m
 RT: 4.39 min Scan# 472
 Delta R.T. -0.00 min
 Lab File: 012.D
 Acq: 11 Dec 2007 10:35



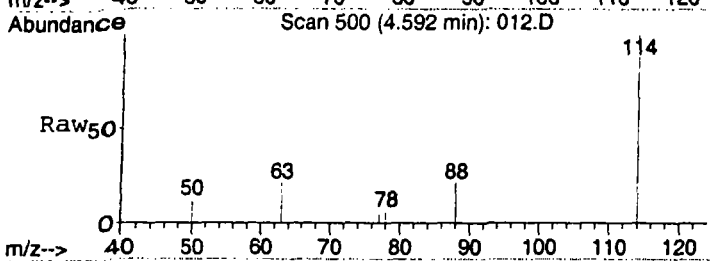
Tgt Ion: 97 Resp: 61
 Ion Ratio Lower Upper
 97 100
 99 577.0 52.2 78.2#
 61 0.0 34.6 51.8#



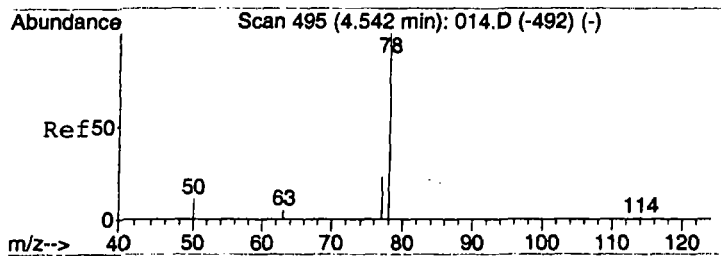
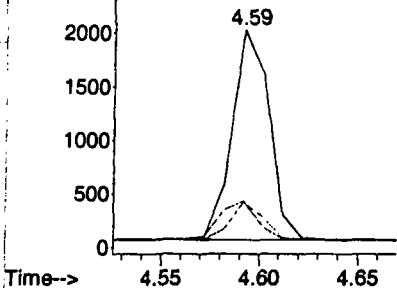
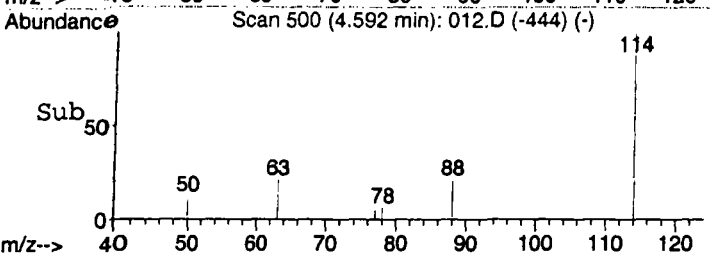


#9
1,4-Difluorobenzene
Concen: 10.00 ppbv m
RT: 4.59 min Scan# 500
Delta R.T. -0.01 min
Lab File: 012.D
Acq: 11 Dec 2007 10:35

Tgt Ion: 114 Resp: 2583
Ion Ratio Lower Upper
114 100
63 18.4 15.4 23.2
88 20.0 11.8 17.6#

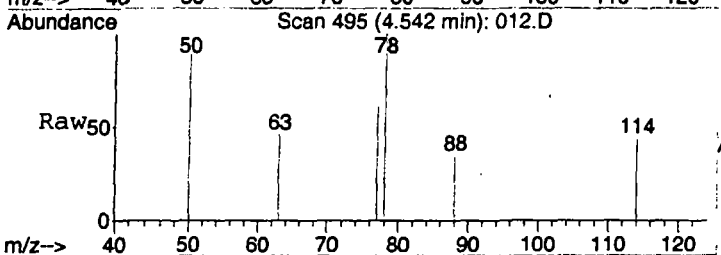


Abundance Ion 114.00 (113.70 to 114.70):
Ion 63.00 (62.70 to 63.70): 01:
Ion 88.00 (87.70 to 88.70): 01:

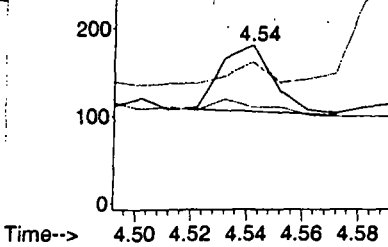
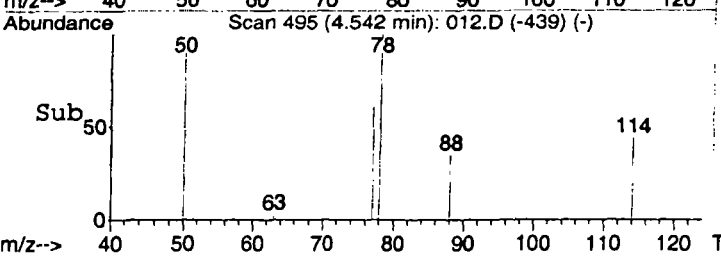


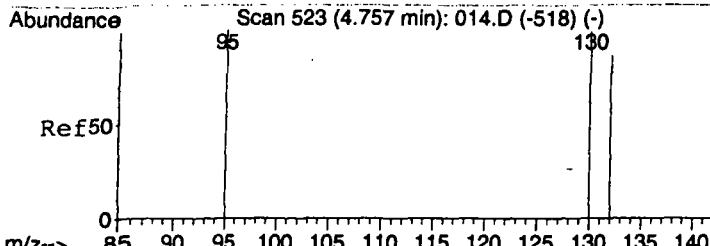
#10
Benzene
Concen: 0.49 ppbv m
RT: 4.54 min Scan# 495
Delta R.T. -0.01 min
Lab File: 012.D
Acq: 11 Dec 2007 10:35

Tgt Ion: 78 Resp: 98
Ion Ratio Lower Upper
78 100
77 0.0 20.5 30.7#
50 173.5 15.9 23.9#



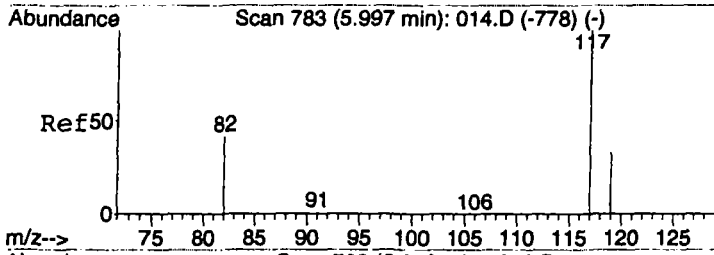
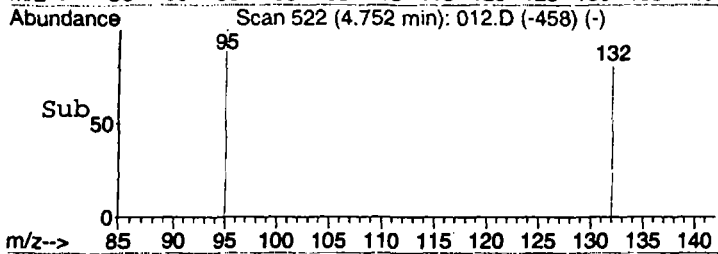
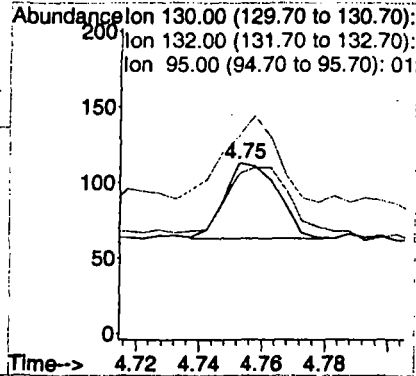
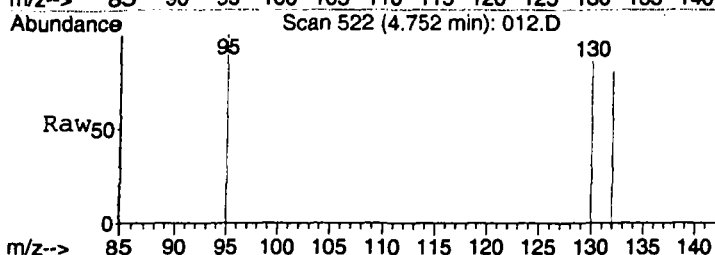
Abundance Ion 78.00 (77.70 to 78.70): 01:
Ion 77.00 (76.70 to 77.70): 01:
Ion 50.00 (49.70 to 50.70): 01:





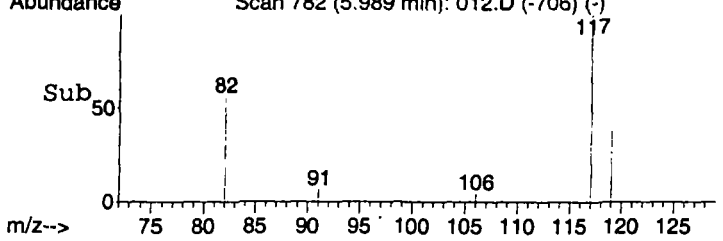
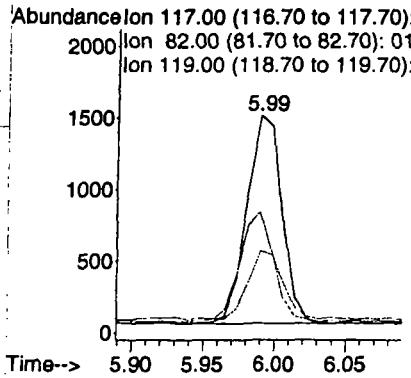
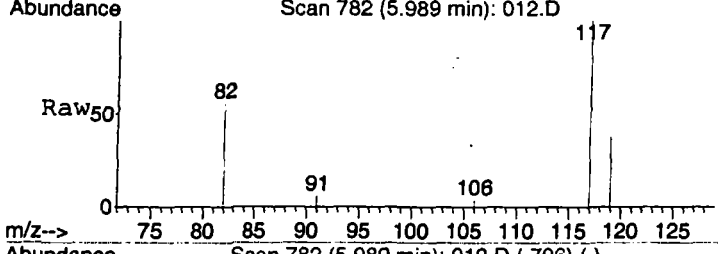
#11
Trichloroethene
Concen: 0.54 ppbv
RT: 4.75 min Scan# 522
Delta R.T. -0.02 min
Lab File: 012.D
Acq: 11 Dec 2007 10:35

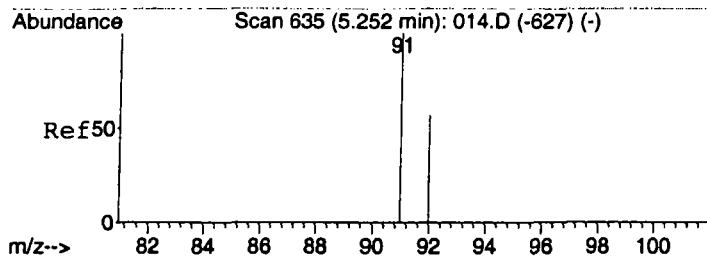
Tgt Ion:130 Resp: 59
Ion Ratio Lower Upper
130 100
132 210.2 74.7 112.1#
95 110.2 75.2 112.8



#12
Chlorobenzene-d5
Concen: 10.00 ppbv
RT: 5.99 min Scan# 782
Delta R.T. -0.02 min
Lab File: 012.D
Acq: 11 Dec 2007 10:35

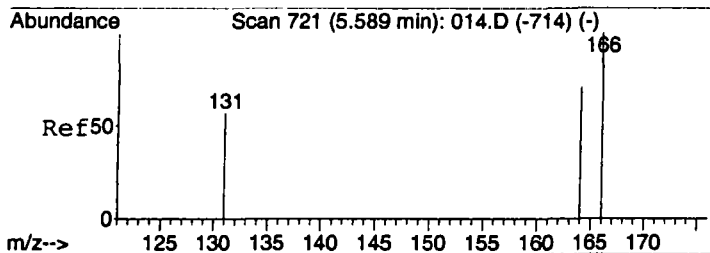
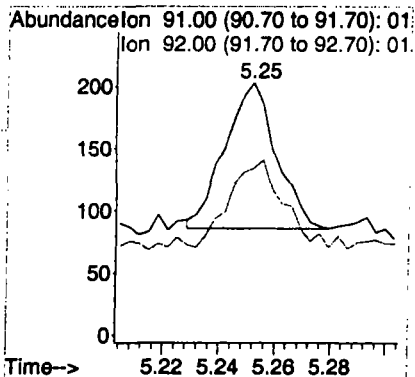
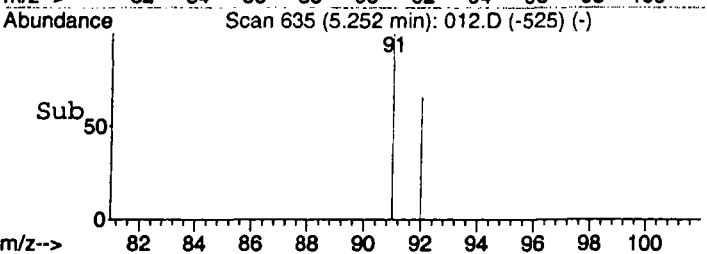
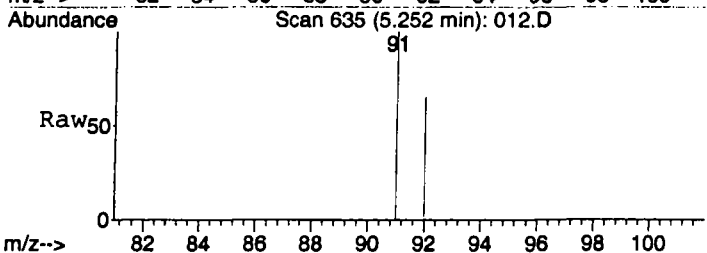
Tgt Ion:117 Resp: 2500
Ion Ratio Lower Upper
117 100
82 51.0 41.0 61.6
119 32.5 25.5 38.3





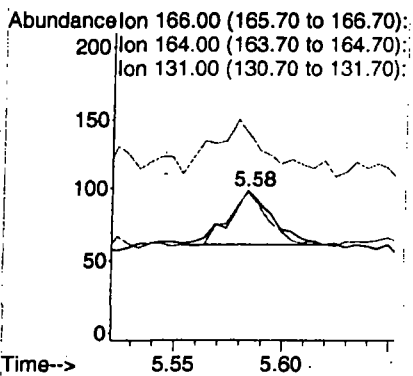
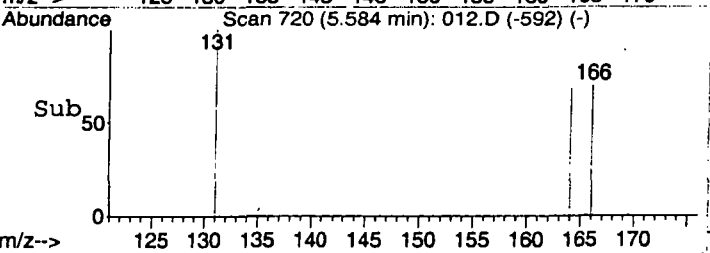
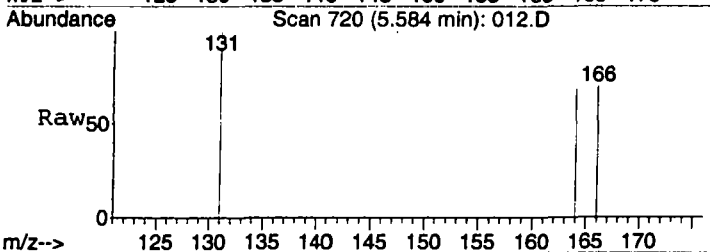
#13
Toluene
Concen: 0.39 ppbv
RT: 5.25 min Scan# 635
Delta R.T. -0.02 min
Lab File: 012.D
Acq: 11 Dec 2007 10:35

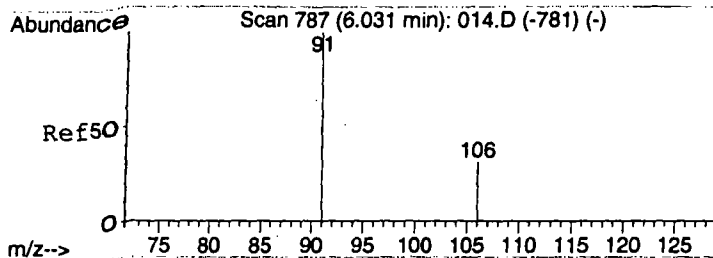
Tgt Ion: 91 Resp: 149
Ion Ratio Lower Upper
91 100
92 65.1 46.9 70.3



#14
Tetrachloroethene
Concen: 0.38 ppbv m
RT: 5.58 min Scan# 720
Delta R.T. -0.02 min
Lab File: 012.D
Acq: 11 Dec 2007 10:35

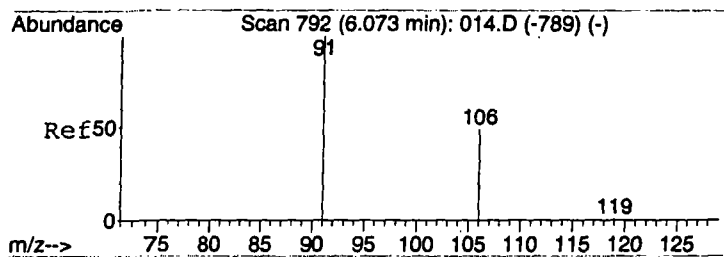
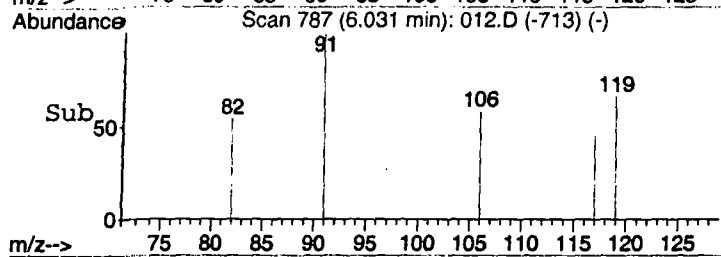
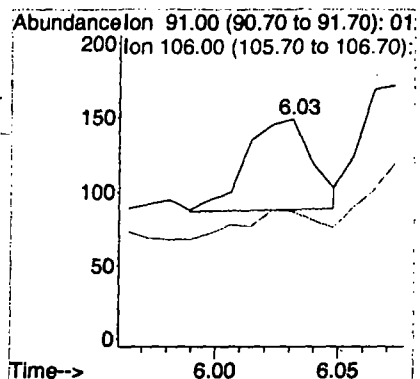
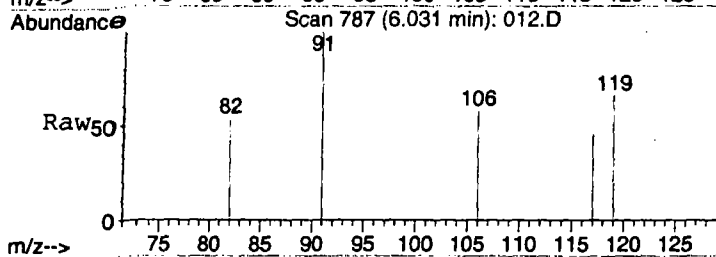
Tgt Ion: 166 Resp: 53
Ion Ratio Lower Upper
166 100
164 92.5 62.8 94.2
131 0.0 56.9 85.3#





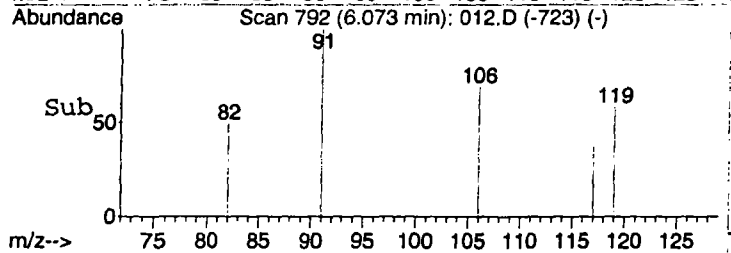
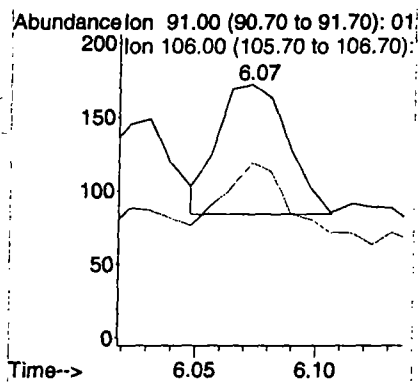
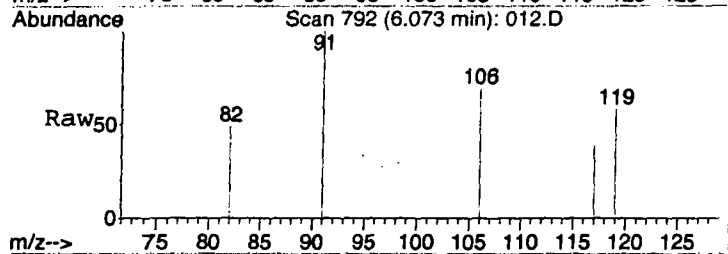
#15
Ethylbenzene
Concen: 0.40 ppbv m
RT: 6.03 min Scan# 787
Delta R.T. -0.02 min
Lab File: 012.D
Acq: 11 Dec 2007 10:35

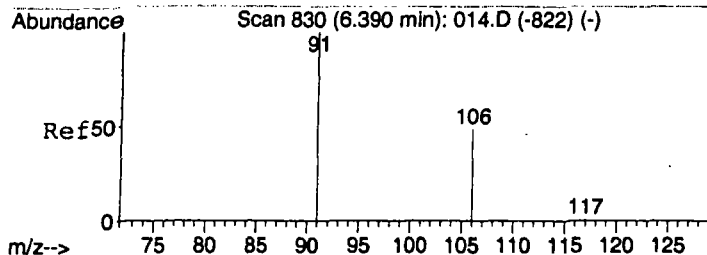
Tgt Ion: 91 Resp: 115
Ion Ratio Lower Upper
91 100
106 0.0 22.5 33.7#



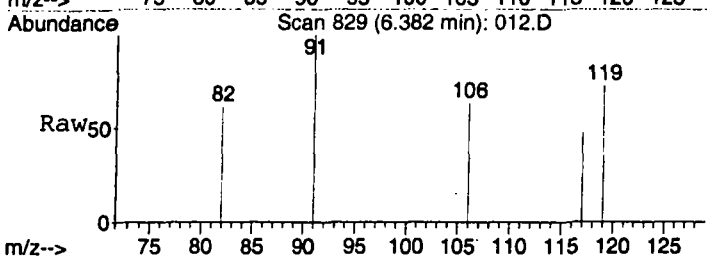
#16
m&p-Xylenes
Concen: 0.84 ppbv m
RT: 6.07 min Scan# 792
Delta R.T. -0.02 min
Lab File: 012.D
Acq: 11 Dec 2007 10:35

Tgt Ion: 91 Resp: 177
Ion Ratio Lower Upper
91 100
106 87.0 36.4 54.6#

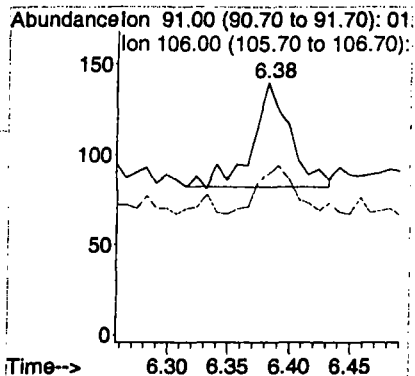
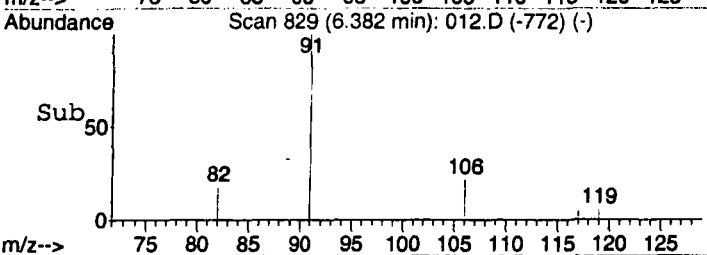




#17
o-Xylene
Concen: 0.56 ppbv
RT: 6.38 min Scan# 829
Delta R.T. -0.02 min
Lab File: 012.D
Acq: 11 Dec 2007 10:35



Tgt Ion: 91 Resp: 127
Ion Ratio Lower Upper
91 100
106 46.5 33.9 50.9



Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\2007\20071211\013.D Vial: 1
 Acq On : 11 Dec 2007 10:47 Operator: CWS
 Sample : 20071211STD-4\ 1.0 ppbv std Inst : Instrumen
 Misc : 5 mL\11 Dec 2007 Multiplr: 1.00
 MS Integration Params: rteint.p
 Quant Time: Dec 11 10:54:25 2007 Quant Results File: LOOP20071211.RES

Quant Method : C:\MSDCHEM\1...\LOOP20071211.M (RTE Integrator)
 Title : VOC
 Last Update : Tue Dec 11 10:49:47 2007
 Response via : Initial Calibration
 DataAcq Meth : LOOPSIMI

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	4.26	49	612	10.00	ppbv	-0.01
9) 1,4-Difluorobenzene	4.59	114	2555m	10.00	ppbv	0.00
12) Chlorobenzene-d5	5.99	117	2472	10.00	ppbv	-0.02

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Vinyl Chloride	2.33	62	58m	3.08	ppbv	
3) 1,1-Dichloroethene	3.41	61	91	1.08	ppbv #	69
4) Methyl tert-Butyl Ether (M	3.71	73	106	0.91	ppbv #	54
5) trans-1,2-Dichloroethene	3.77	61	92	0.89	ppbv #	79
6) 1,1-Dichloroethane	3.92	63	114m	1.29	ppbv	
7) cis-1,2-Dichloroethene	4.15	61	75m	0.74	ppbv	
8) 1,1,1-Trichloroethane	4.39	97	148m	1.29	ppbv	
10) Benzene	4.54	78	209m	1.08	ppbv	
11) Trichloroethene	4.76	130	115m	0.99	ppbv	
13) Toluene	5.25	91	272	0.92	ppbv	94
14) Tetrachloroethene	5.58	166	119	1.14	ppbv	92
15) Ethylbenzene	6.02	91	225	0.99	ppbv #	87
16) m&p-Xylenes	6.07	91	328	0.94	ppbv	99
17) o-Xylene	6.38	91	214m	0.85	ppbv	

Data File : C:\MSDCHEM\1\DATA\2007\20071211\013.D

Vial: 1

Acq On : 11 Dec 2007 10:47

Operator: CWS

Sample : 20071211STD-4\ 1.0 ppbv std

Inst : Instrumen

Misc : 5 mL\11 Dec 2007

Multiplr: 1.00

MS Integration Params: rteint.p

Quant Time: Dec 11 10:59 2007

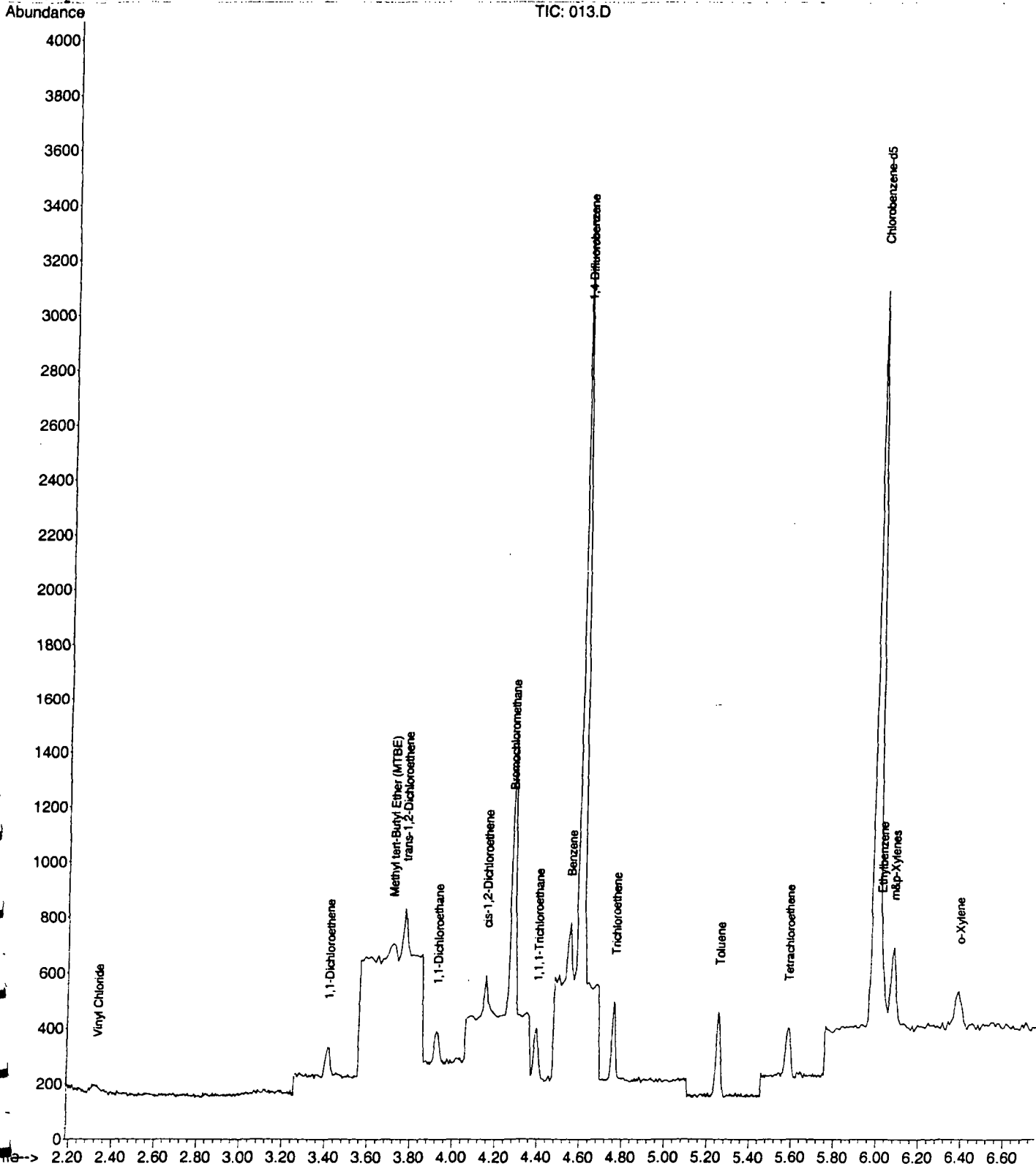
Quant Results File: LOOP20071211.RES

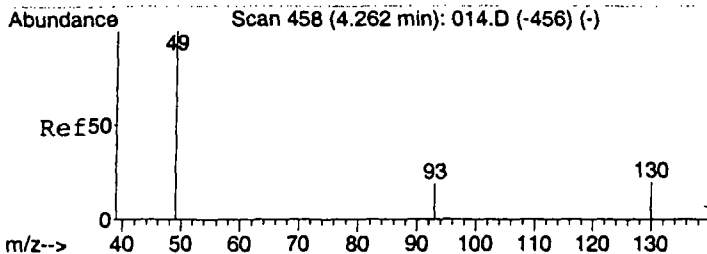
Method : C:\MSDCHEM\1\METHODS\LOOP20071212.M (RTE Integrator)

Title : VOC

Last Update : Tue Dec 18 13:43:01 2007

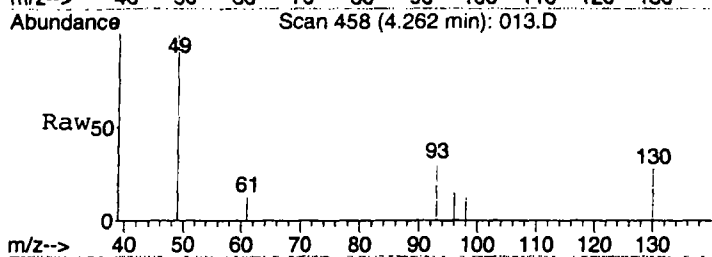
Response via : Initial Calibration



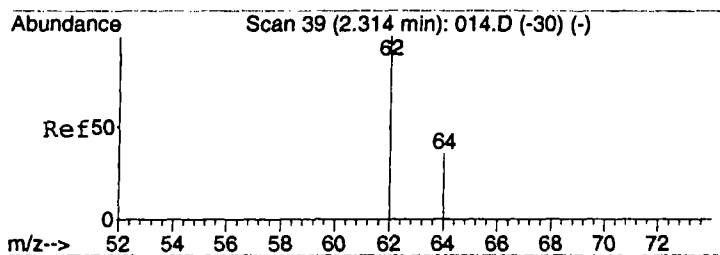
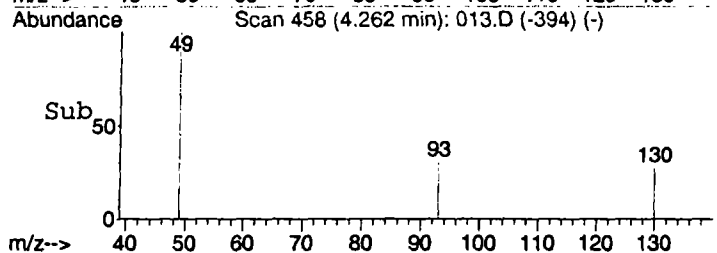
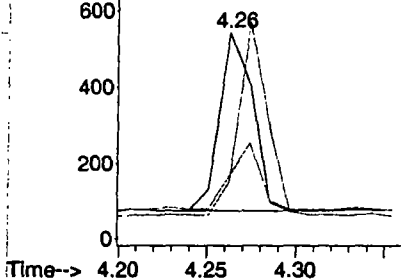


#1
Bromochloromethane
Concen: 10.00 ppbv
RT: 4.26 min Scan# 458
Delta R.T. -0.01 min
Lab File: 013.D
Acq: 11 Dec 2007 10:47

Tgt Ion: 49 Resp: 612
Ion Ratio Lower Upper
49 100
130 94.0 105.7 158.5#
93 33.7 24.4 36.6

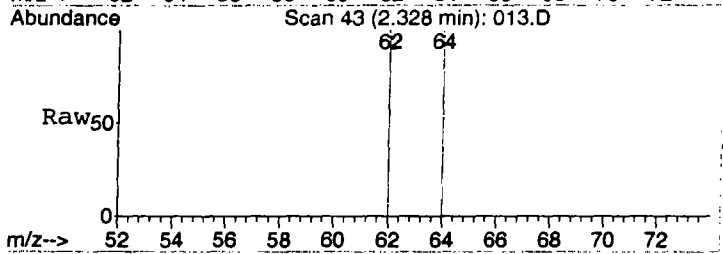


Abundance Ion 49.00 (48.70 to 49.70): 01
Ion 130.00 (129.70 to 130.70): 01
Ion 93.00 (92.70 to 93.70): 01

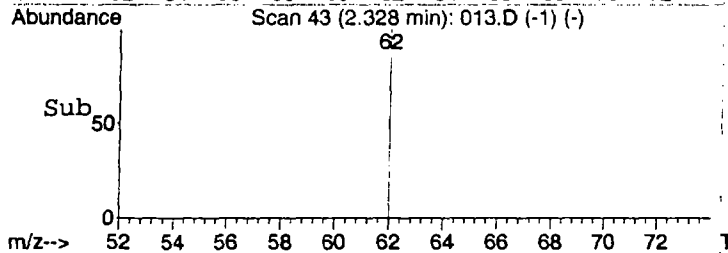
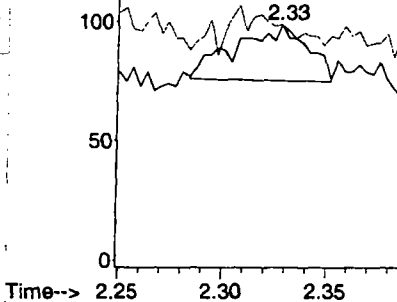


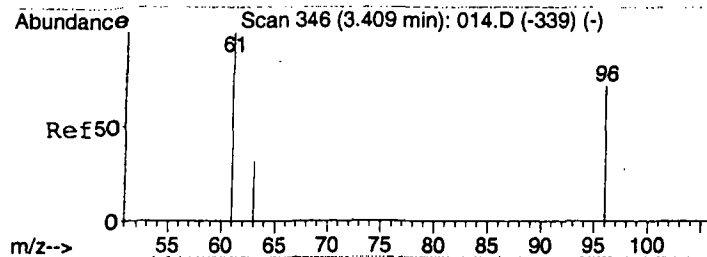
#2
Vinyl Chloride
Concen: 3.08 ppbv m
RT: 2.33 min Scan# 43
Delta R.T. 0.01 min
Lab File: 013.D
Acq: 11 Dec 2007 10:47

Tgt Ion: 62 Resp: 58
Ion Ratio Lower Upper
62 100
64 20.7 25.5 38.3#

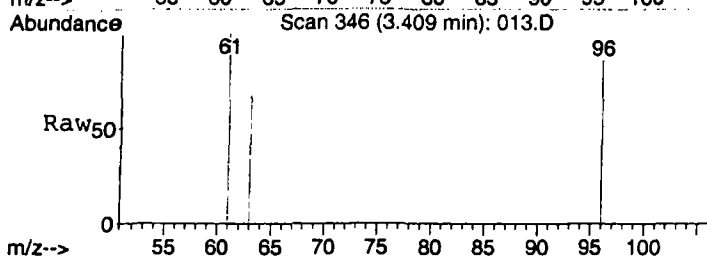


Abundance Ion 62.00 (61.70 to 62.70): 01
Ion 64.00 (63.70 to 64.70): 01

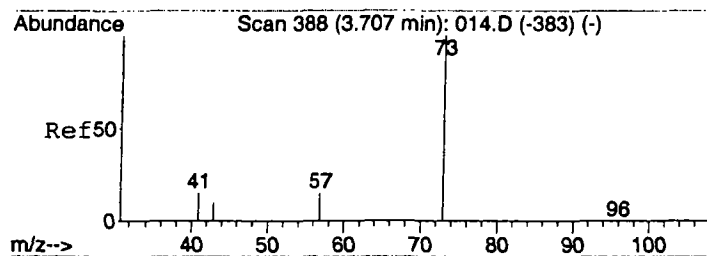
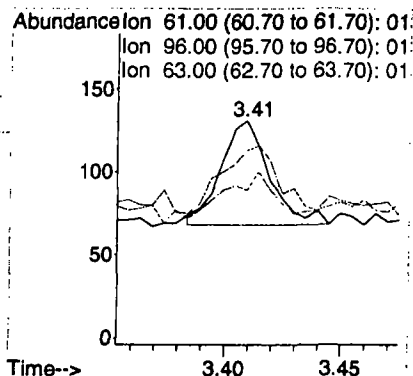
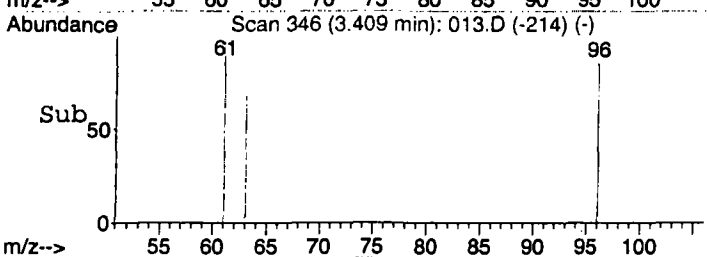




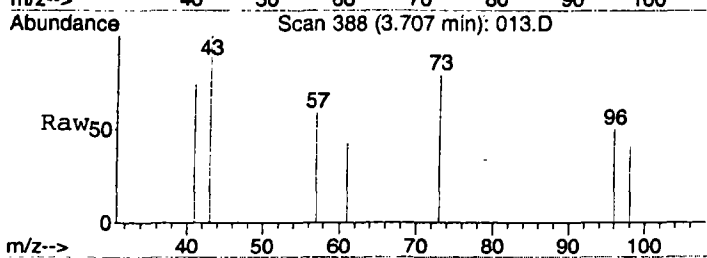
#3
1,1-Dichloroethene
Concen: 1.08 ppbv
RT: 3.41 min Scan# 346
Delta R.T. -0.00 min
Lab File: 013.D
Acq: 11 Dec 2007 10:47



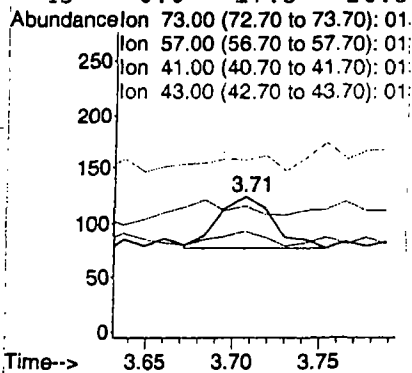
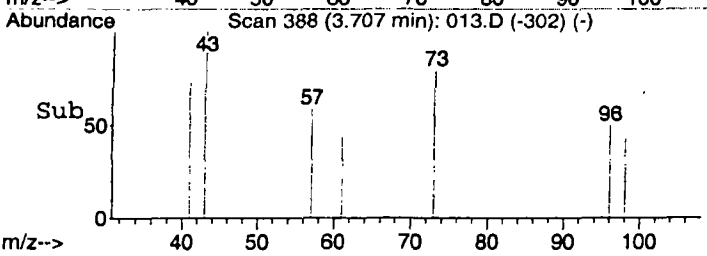
Tgt Ion: 61 Resp: 91
Ion Ratio Lower Upper
61 100
96 74.7 48.4 72.6#
63 0.0 24.4 36.6#

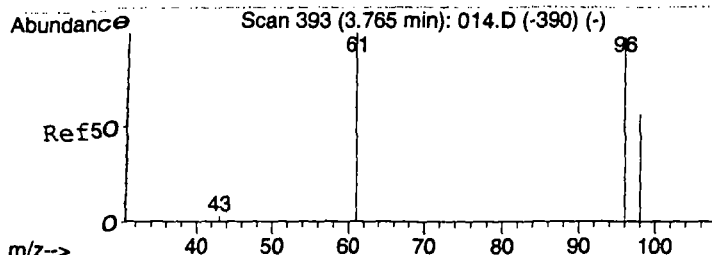


#4
Methyl tert-Butyl Ether (MTBE)
Concen: 0.91 ppbv
RT: 3.71 min Scan# 388
Delta R.T. -0.00 min
Lab File: 013.D
Acq: 11 Dec 2007 10:47



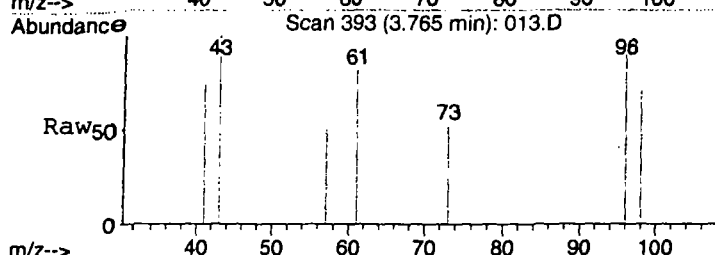
Tgt Ion: 73 Resp: 106
Ion Ratio Lower Upper
73 100
57 0.0 19.1 28.7#
41 0.0 16.5 24.7#
43 0.0 17.5 26.3#



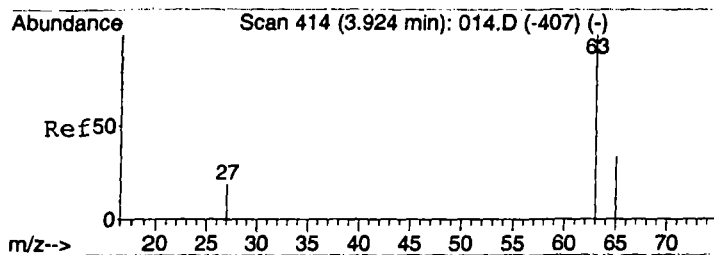
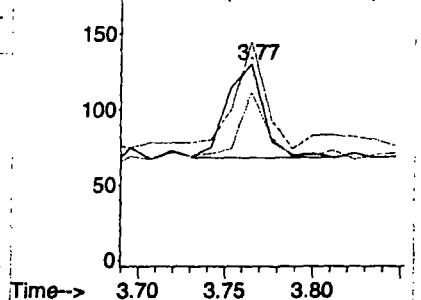
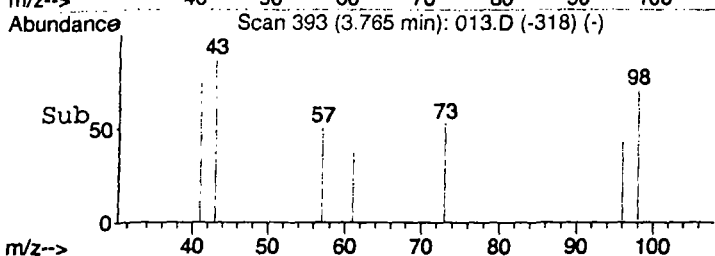


#5
trans-1,2-Dichloroethene
Concen: 0.89 ppbv
RT: 3.77 min Scan# 393
Delta R.T. -0.00 min
Lab File: 013.D
Acq: 11 Dec 2007 10:47

Tgt Ion: 61 Resp: 92
Ion Ratio Lower Upper
61 100
96 92.4 56.8 85.2#
98 42.4 42.1 63.1

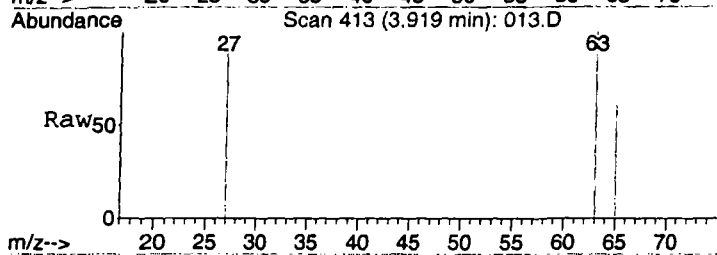


Abundance Ion 61.00 (60.70 to 61.70): 01
Ion 96.00 (95.70 to 96.70): 01
Ion 98.00 (97.70 to 98.70): 01

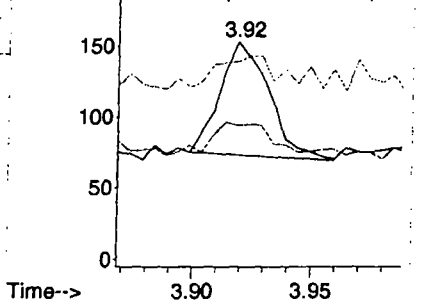
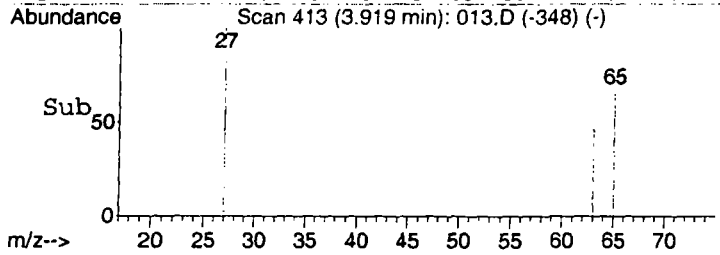


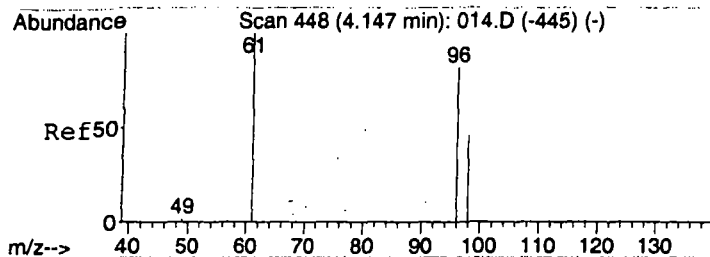
#6
1,1-Dichloroethane
Concen: 1.29 ppbv m
RT: 3.92 min Scan# 413
Delta R.T. -0.00 min
Lab File: 013.D
Acq: 11 Dec 2007 10:47

Tgt Ion: 63 Resp: 114
Ion Ratio Lower Upper
63 100
65 68.4 26.5 39.7#
27 0.0 18.0 27.0#



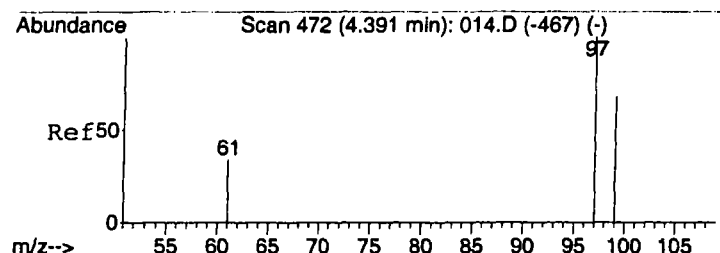
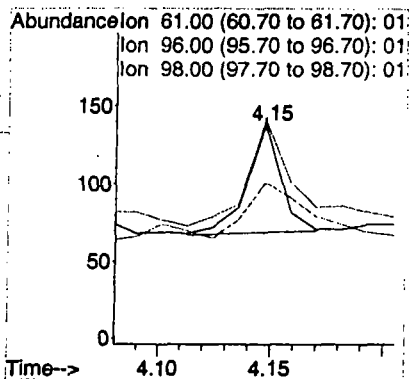
Abundance Ion 63.00 (62.70 to 63.70): 01
Ion 65.00 (64.70 to 65.70): 01
Ion 27.00 (26.70 to 27.70): 01





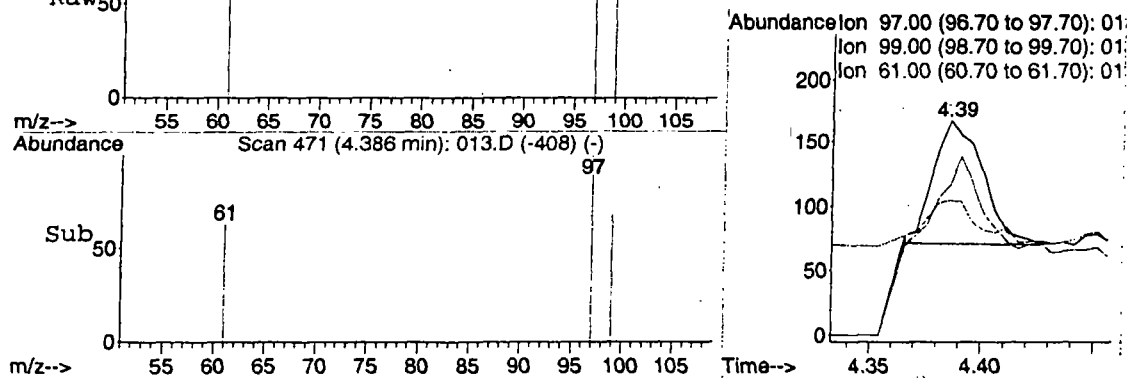
#7
 cis-1,2-Dichloroethene
 Concen: 0.74 ppbv m
 RT: 4.15 min Scan# 448
 Delta R.T. 0.00 min
 Lab File: 013.D
 Acq: 11 Dec 2007 10:47

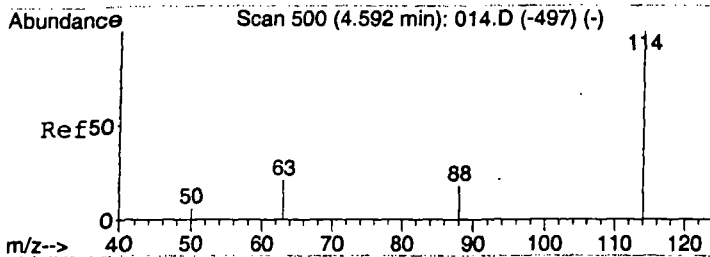
Tgt Ion:	61	Resp:	75
Ion Ratio	Lower	Upper	
61	100		
96	276.0	64.8	97.2#
98	188.0	49.8	74.8#



#8
 1,1,1-Trichloroethane
 Concen: 1.29 ppbv m
 RT: 4.39 min Scan# 471
 Delta R.T. -0.01 min
 Lab File: 013.D
 Acq: 11 Dec 2007 10:47

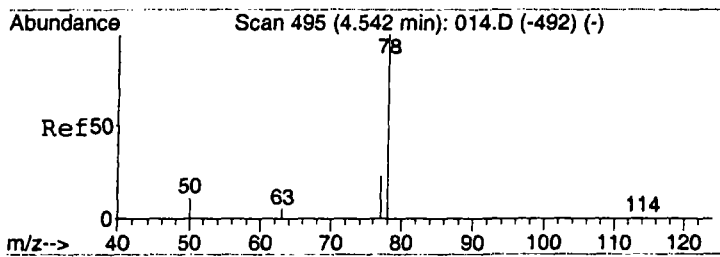
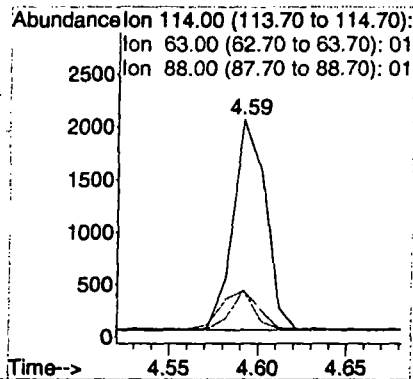
Tgt Ion:	97	Resp:	148
Ion Ratio	Lower	Upper	
97	100		
99	308.1	52.2	78.2#
61	33.8	34.6	51.8#





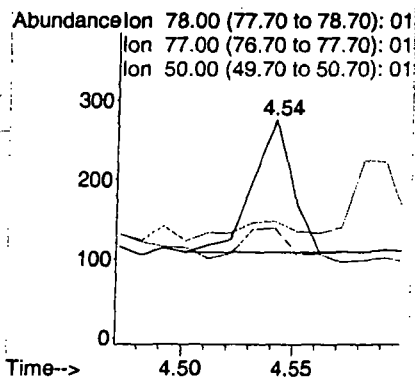
#9
1,4-Difluorobenzene
Concen: 10.00 ppbv m
RT: 4.59 min Scan# 500
Delta R.T. -0.01 min
Lab File: 013.D
Acq: 11 Dec 2007 10:47

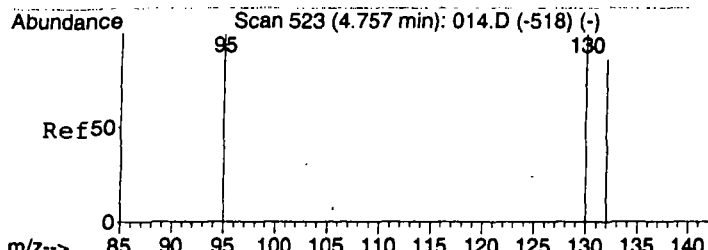
Tgt Ion: 114 Resp: 2555
Ion Ratio Lower Upper
114 100
63 20.7 15.4 23.2
88 35.7 11.8 17.6#



#10
Benzene
Concen: 1.08 ppbv m
RT: 4.54 min Scan# 495
Delta R.T. -0.01 min
Lab File: 013.D
Acq: 11 Dec 2007 10:47

Tgt Ion: 78 Resp: 209
Ion Ratio Lower Upper
78 100
77 82.3 20.5 30.7#
50 84.2 15.9 23.9#





#11

Trichloroethene

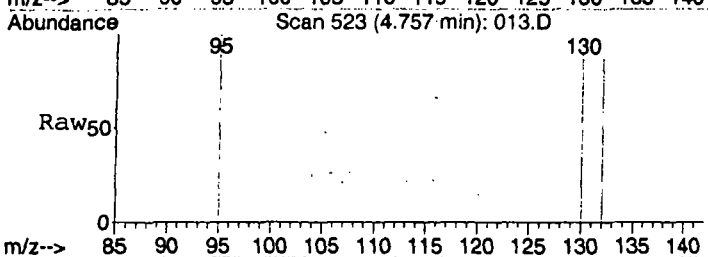
Concen: 0.99 ppbv m

RT: 4.76 min Scan# 523

Delta R.T. -0.01 min

Lab File: 013.D

Acq: 11 Dec 2007 10:47



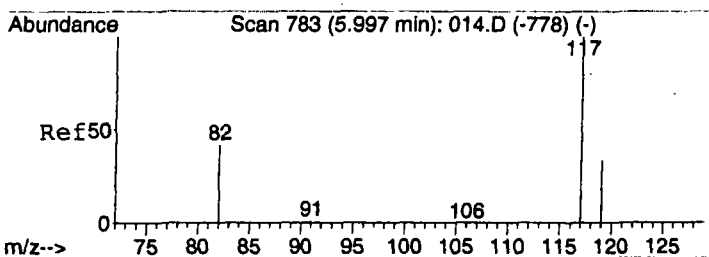
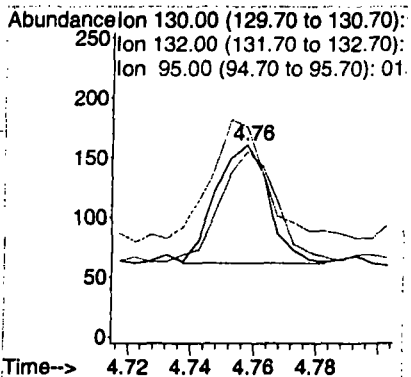
Tgt Ion:130 Resp: 115

Ion Ratio Lower Upper

130 100

132 147.8 74.7 112.1#

95 102.6 75.2 112.8



#12

Chlorobenzene-d5

Concen: 10.00 ppbv

RT: 5.99 min Scan# 782

Delta R.T. -0.02 min

Lab File: 013.D

Acq: 11 Dec 2007 10:47

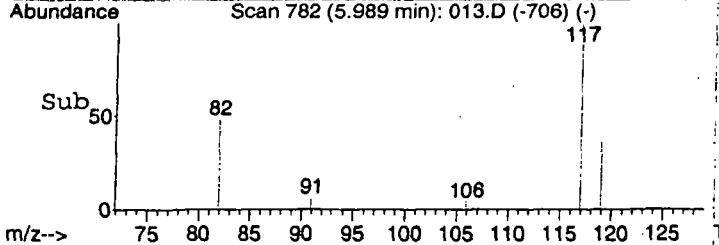
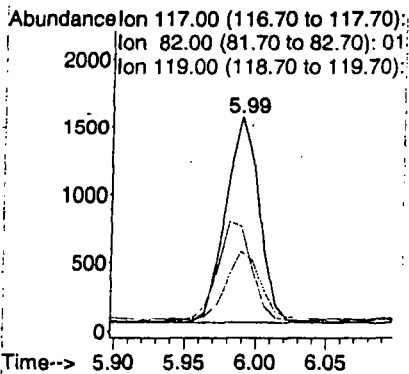
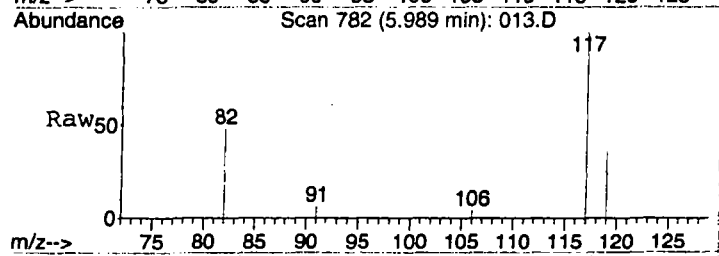
Tgt Ion:117 Resp: 2472

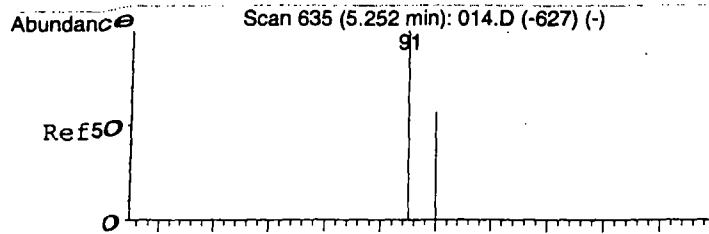
Ion Ratio Lower Upper

117 100

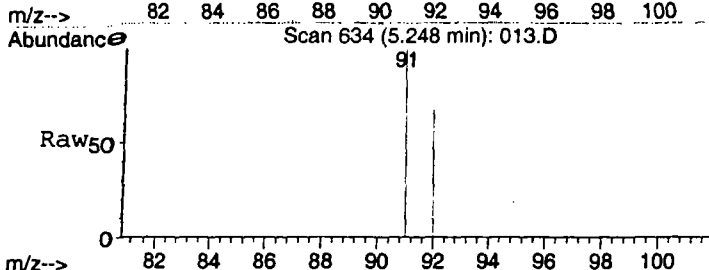
82 49.4 41.0 61.6

119 34.5 25.5 38.3

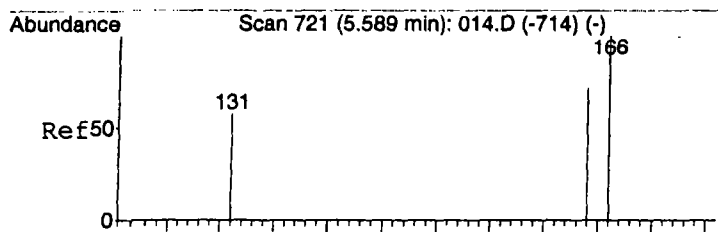
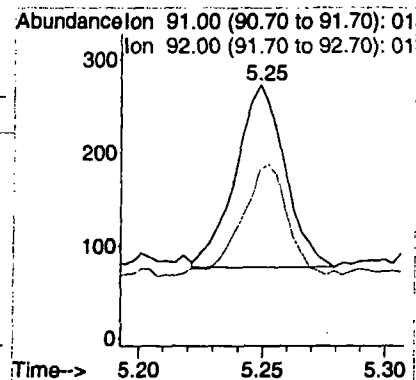
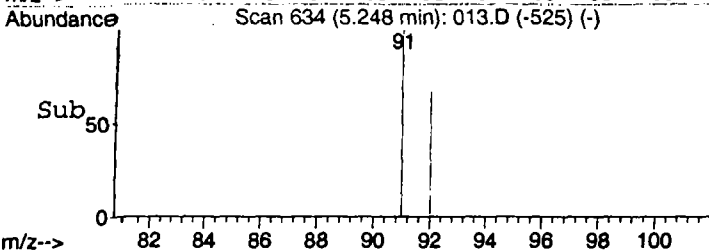




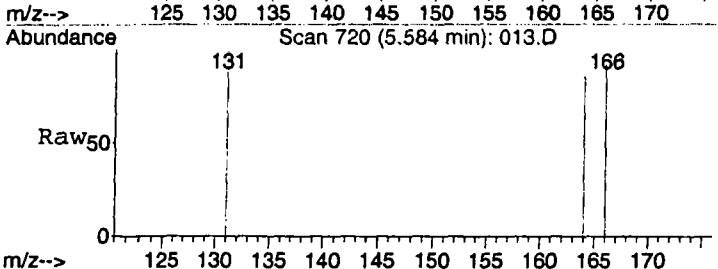
#13
Toluene
Concen: 0.92 ppbv
RT: 5.25 min Scan# 634
Delta R.T. -0.02 min
Lab File: 013.D
Acq: 11 Dec 2007 10:47



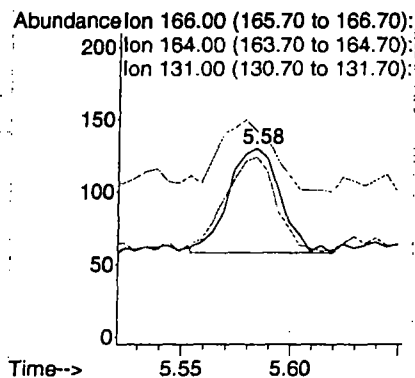
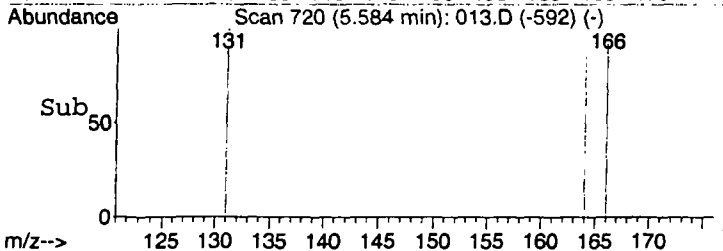
Tgt Ion: 91 Resp: 272
Ion Ratio Lower Upper
91 100
92 54.0 46.9 70.3

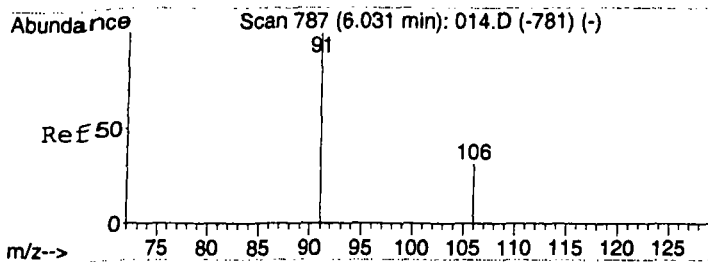


#14
Tetrachloroethene
Concen: 1.14 ppbv
RT: 5.58 min Scan# 720
Delta R.T. -0.02 min
Lab File: 013.D
Acq: 11 Dec 2007 10:47



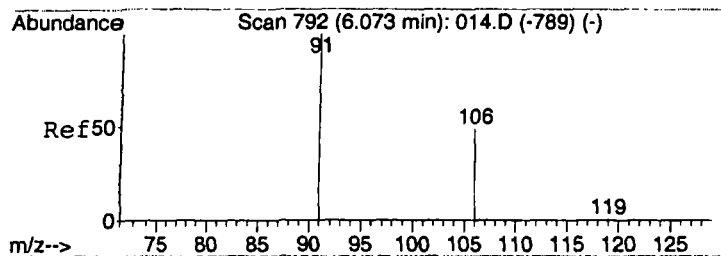
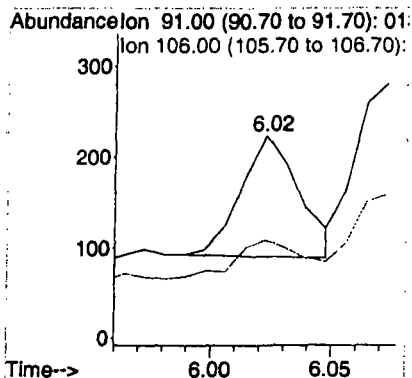
Tgt Ion: 166 Resp: 119
Ion Ratio Lower Upper
166 100
164 87.4 62.8 94.2
131 66.4 56.9 85.3





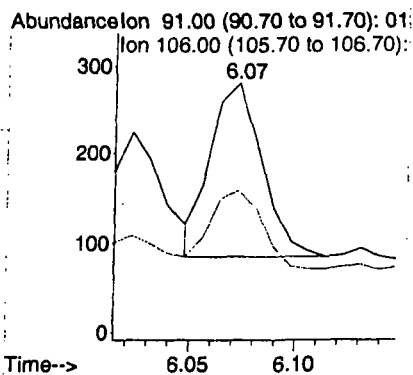
#15
Ethylbenzene
Concen: 0.99 ppbv
RT: 6.02 min Scan# 786
Delta R.T. -0.03 min
Lab File: 013.D
Acq: 11 Dec 2007 10:47

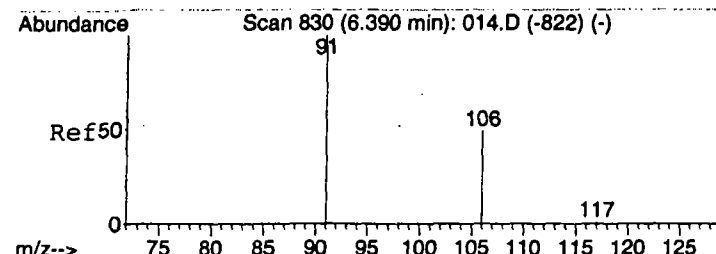
Tgt Ion: 91 Resp: 225
Ion Ratio Lower Upper
91 100
106 35.1 22.5 33.7#



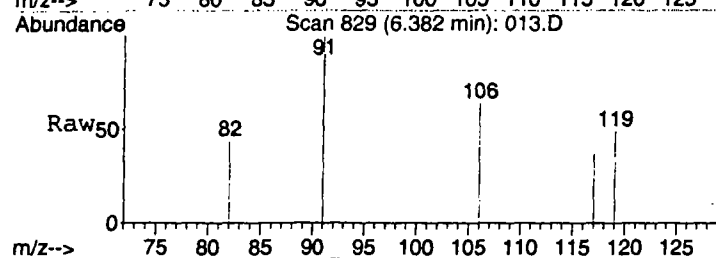
#16
m&p-Xylenes
Concen: 0.94 ppbv
RT: 6.07 min Scan# 792
Delta R.T. -0.02 min
Lab File: 013.D
Acq: 11 Dec 2007 10:47

Tgt Ion: 91 Resp: 328
Ion Ratio Lower Upper
91 100
106 46.3 36.4 54.6

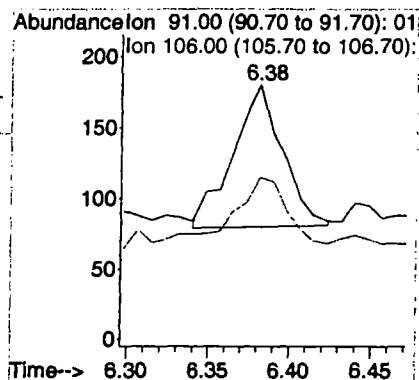
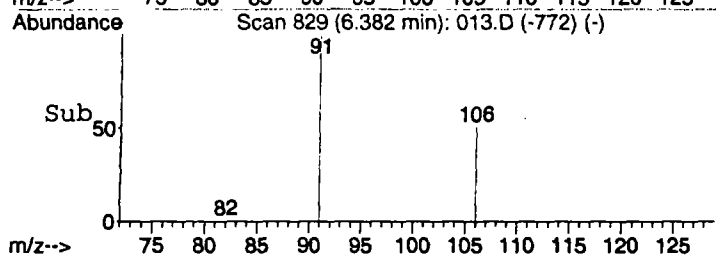




#17
o-Xylene
Concen: 0.85 ppbv m
RT: 6.38 min Scan# 829
Delta R.T. -0.02 min
Lab File: 013.D
Acq: 11 Dec 2007 10:47



Tgt Ion: 91 Resp: 214
Ion Ratio Lower Upper
91 100
106 4.7 33.9 50.9#



Data File : C:\MSDCHEM\1\DATA\2007\20071211\014.D Vial: 1
Acq On : 11 Dec 2007 10:58 Operator: CWS
Sample : 20071211STD-5\ 5.0 ppbv std Inst : Instrumen
Misc : 5 mL\11 Dec 2007 Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Dec 11 11:09:36 2007 Quant Results File: LOOP20071211.RES

Quant Method : C:\MSDCHEM\1...\LOOP20071211.M (RTE Integrator)
Title : VOC
Last Update : Tue Dec 11 10:59:56 2007
Response via : Initial Calibration
DataAcq Meth : LOOPSIMI

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	4.26	49	613	10.00	ppbv	-0.01
9) 1,4-Difluorobenzene	4.59	114	2431	10.00	ppbv	0.00
12) Chlorobenzene-d5	6.00	117	2351	10.00	ppbv	-0.02

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Vinyl Chloride	2.31	62	222m	5.77	ppbv	
3) 1,1-Dichloroethene	3.41	61	444	5.05	ppbv	92
4) Methyl tert-Butyl Ether (M	3.71	73	465m	4.17	ppbv	
5) trans-1,2-Dichloroethene	3.76	61	420	4.29	ppbv #	30
6) 1,1-Dichloroethane	3.92	63	520m	5.13	ppbv	
7) cis-1,2-Dichloroethene	4.15	61	371m	4.20	ppbv	
8) 1,1,1-Trichloroethane	4.39	97	656m	4.99	ppbv	
10) Benzene	4.54	78	854m	4.46	ppbv	
11) Trichloroethene	4.76	130	478m	4.34	ppbv	
13) Toluene	5.25	91	1067	3.96	ppbv	96
14) Tetrachloroethene	5.59	166	567	5.33	ppbv	99
15) Ethylbenzene	6.03	91	1028	4.78	ppbv	97
16) m&p-Xylenes	6.07	91	1505	4.67	ppbv	94
17) o-Xylene	6.39	91	813	3.68	ppbv	94

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\2007\20071211\014.D

Vial: 1

Acq On : 11 Dec 2007 10:58

Operator: CWS

Sample : 20071211STD-5\ 5.0 ppbv std

Inst : Instrumen

Misc : 5 mL\11 Dec 2007

Multiplr: 1.00

MS Integration Params: rteint.p

Quant Time: Dec 11 11:11 2007

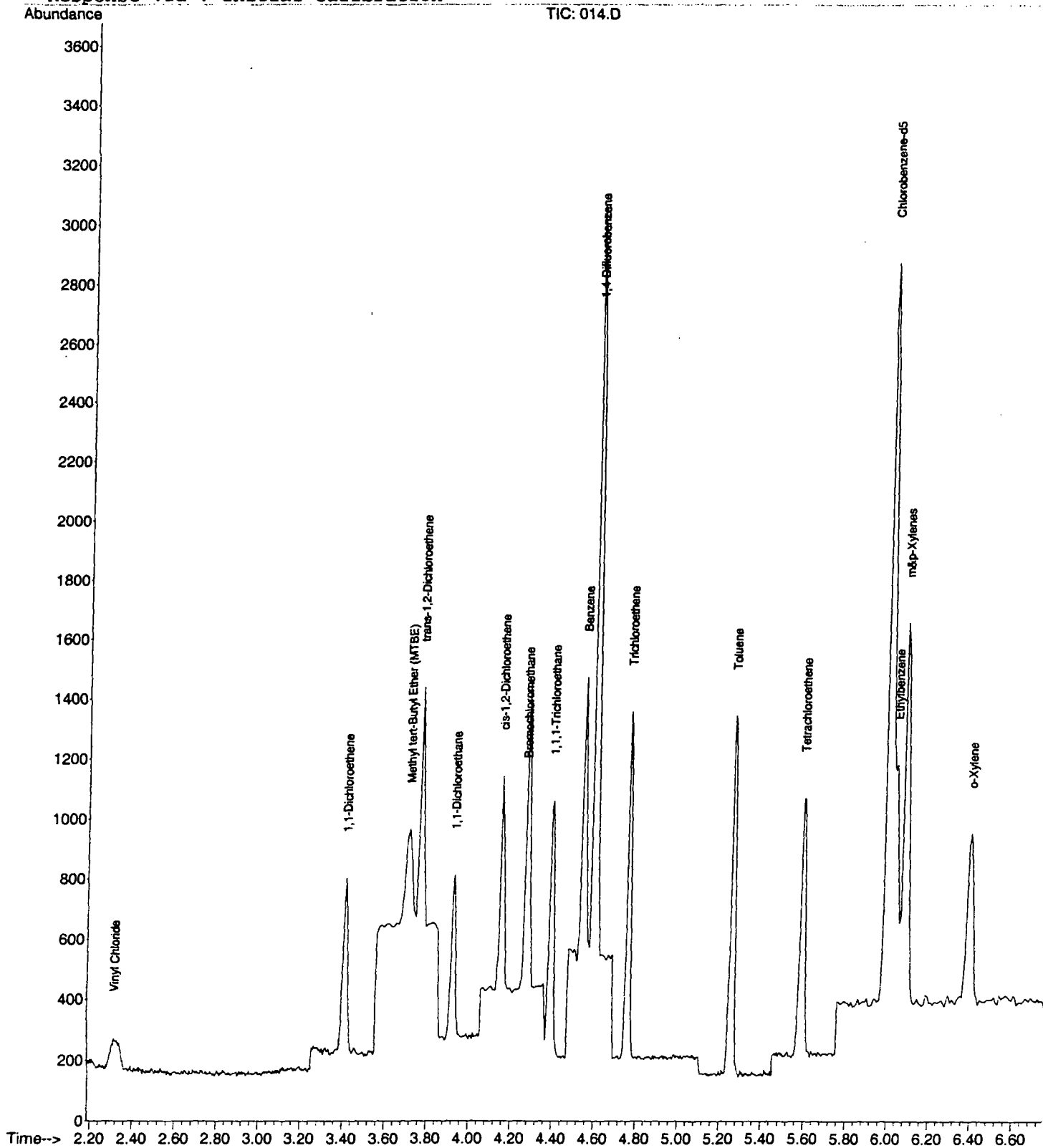
Quant Results File: LOOP20071211.RES

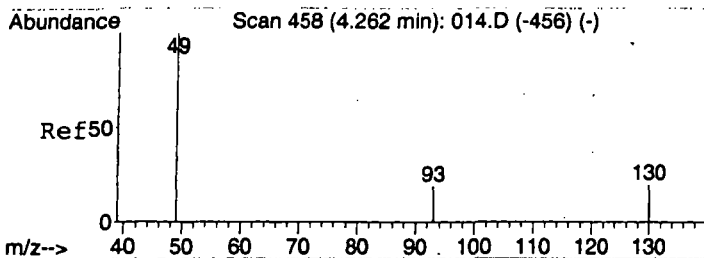
Method : C:\MSDCHEM\1\METHODS\LOOP20071212.M (RTE Integrator)

Title : VOC

Last Update : Wed Dec 19 11:03:31 2007

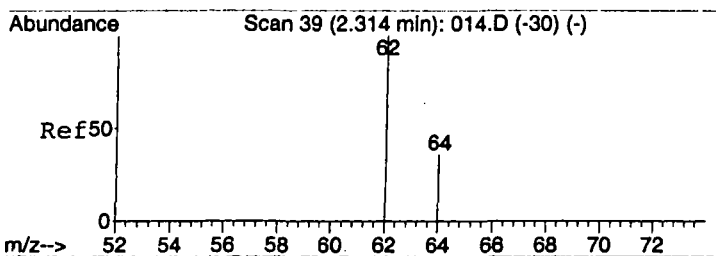
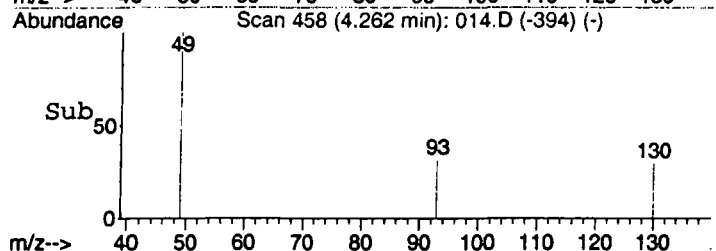
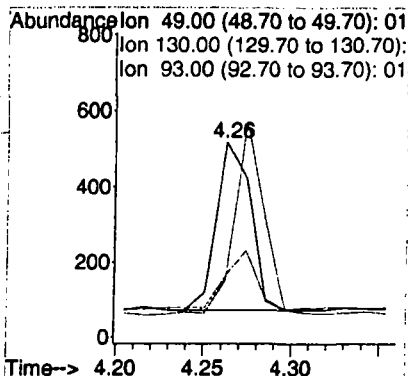
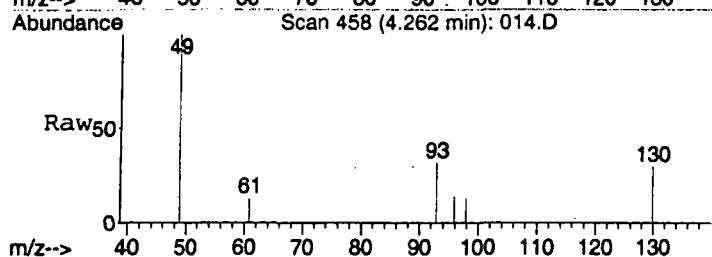
Response via : Initial Calibration





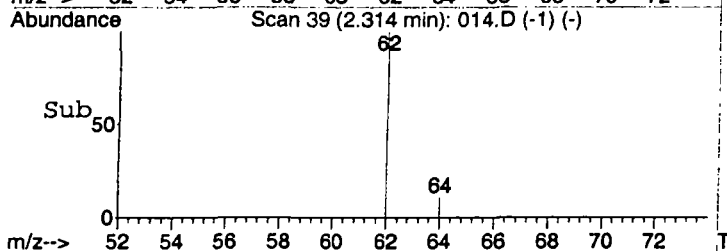
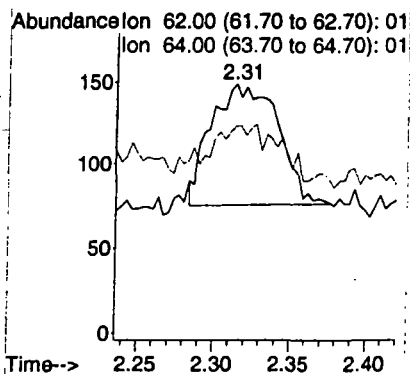
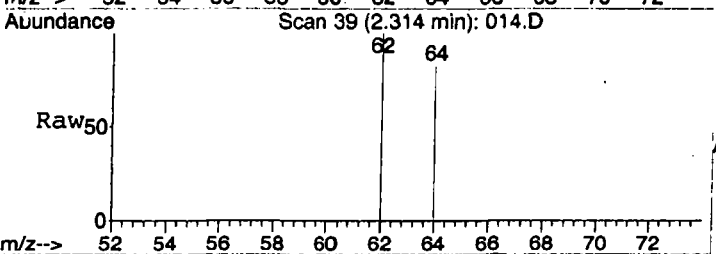
#1
 Bromochloromethane
 Concen: 10.00 ppbv
 RT: 4.26 min Scan# 458
 Delta R.T. -0.01 min
 Lab File: 014.D
 Acq: 11 Dec 2007 10:58

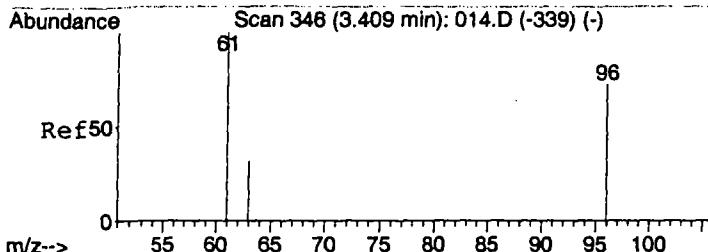
Tgt Ion: 49 Resp: 613
 Ion Ratio Lower Upper
 49 100
 130 98.9 105.7 158.5#
 93 32.1 24.4 36.6



#2
 Vinyl Chloride
 Concen: 5.77 ppbv m
 RT: 2.31 min Scan# 39
 Delta R.T. -0.00 min
 Lab File: 014.D
 Acq: 11 Dec 2007 10:58

Tgt Ion: 62 Resp: 222
 Ion Ratio Lower Upper
 62 100
 64 1.4 25.5 38.3#

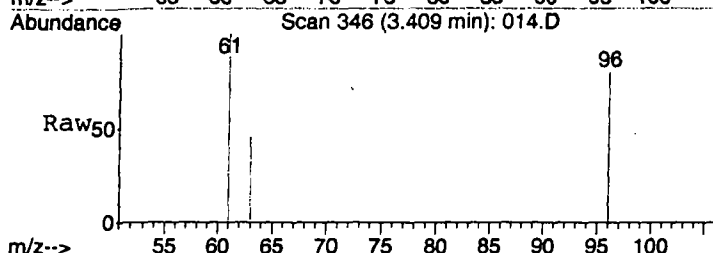




#3
1,1-Dichloroethene
Concen: 5.05 ppbv
RT: 3.41 min Scan# 346
Delta R.T. -0.00 min
Lab File: 014.D
Acq: 11 Dec 2007 10:58

Tgt Ion: 61 Resp: 444

Ion	Ratio	Lower	Upper
61	100		
96	68.2	48.4	72.6
63	33.1	24.4	36.6

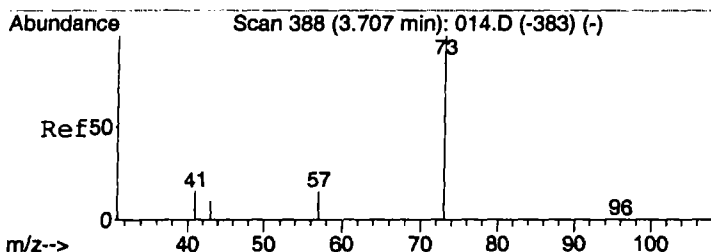
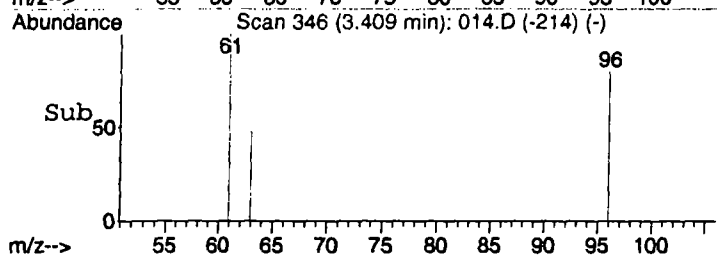
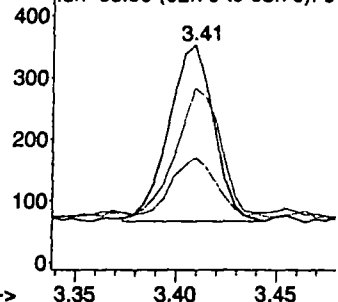


Abundance

Ion 61.00 (60.70 to 61.70): 01

Ion 96.00 (95.70 to 96.70): 01

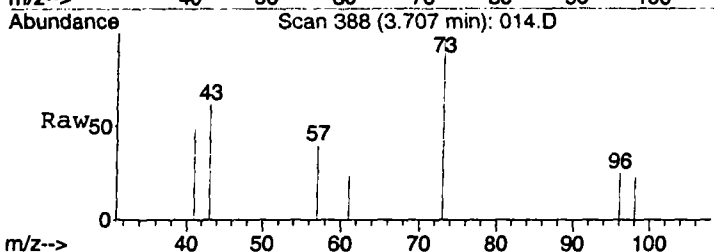
Ion 63.00 (62.70 to 63.70): 01



#4
Methyl tert-Butyl Ether (MTBE)
Concen: 4.17 ppbv m
RT: 3.71 min Scan# 388
Delta R.T. -0.00 min
Lab File: 014.D
Acq: 11 Dec 2007 10:58

Tgt Ion: 73 Resp: 465

Ion	Ratio	Lower	Upper
73	100		
57	18.1	19.1	28.7#
41	60.4	16.5	24.7#
43	0.0	17.5	26.3#



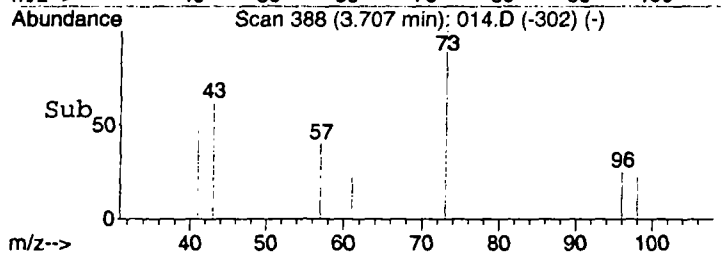
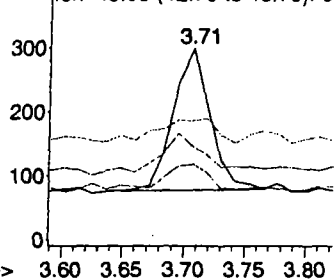
Abundance

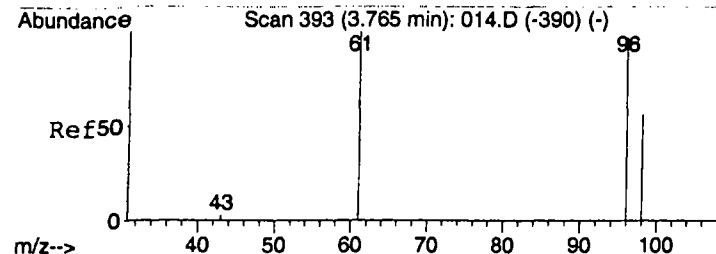
Ion 73.00 (72.70 to 73.70): 01

Ion 57.00 (56.70 to 57.70): 01

Ion 41.00 (40.70 to 41.70): 01

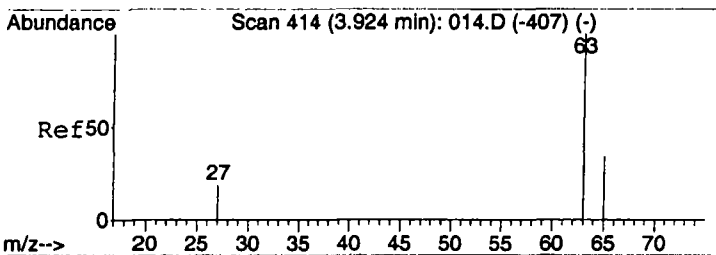
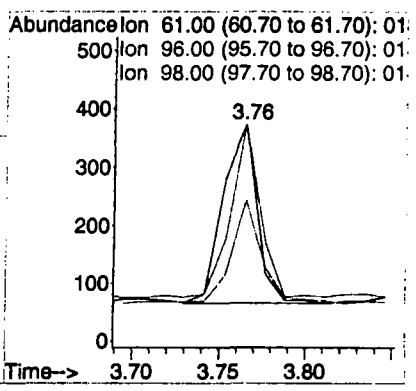
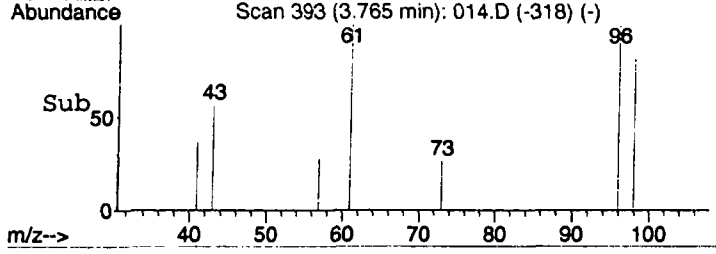
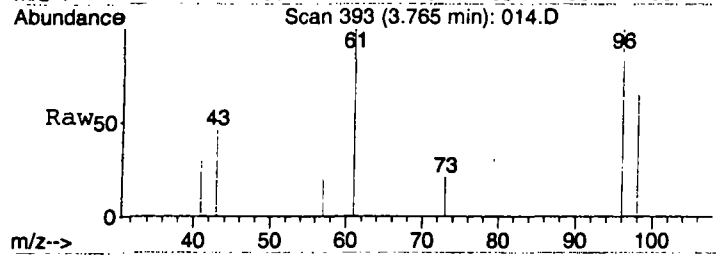
Ion 43.00 (42.70 to 43.70): 01





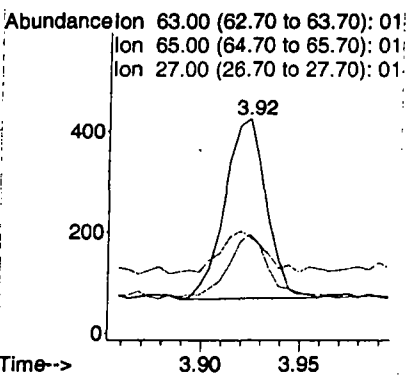
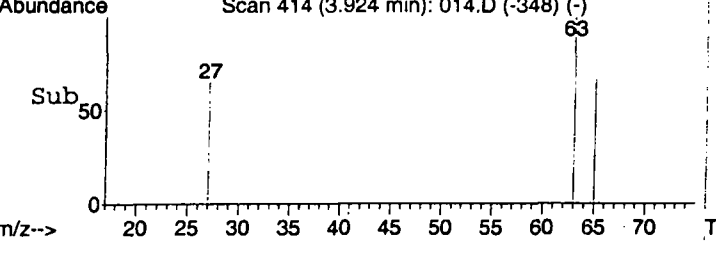
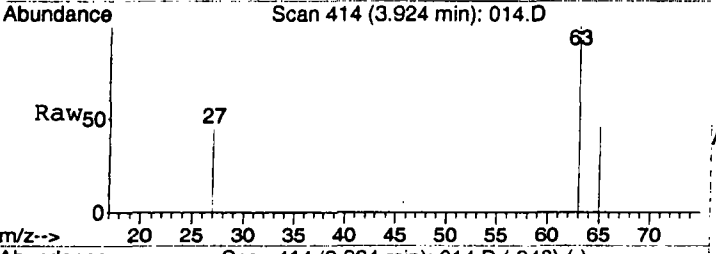
#5
 trans-1,2-Dichloroethene
 Concen: 4.29 ppbv
 RT: 3.76 min Scan# 393
 Delta R.T. -0.00 min
 Lab File: 014.D
 Acq: 11 Dec 2007 10:58

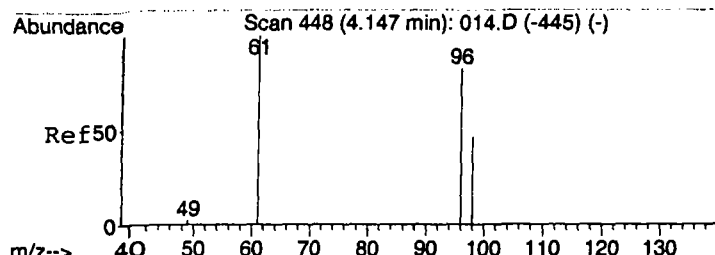
Tgt Ion:	61	Resp:	420
Ion Ratio	Lower	Upper	
61	100		
96	83.8	56.8	85.2
98	154.5	42.1	63.1#



#6
 1,1-Dichloroethane
 Concen: 5.13 ppbv m
 RT: 3.92 min Scan# 414
 Delta R.T. 0.00 min
 Lab File: 014.D
 Acq: 11 Dec 2007 10:58

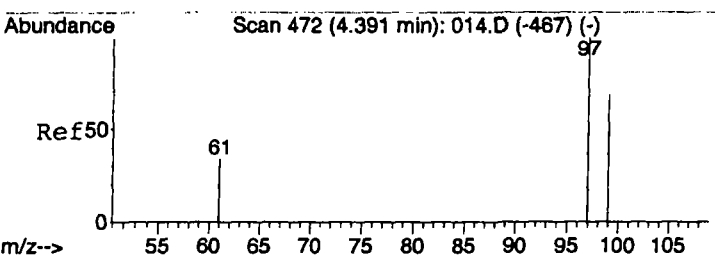
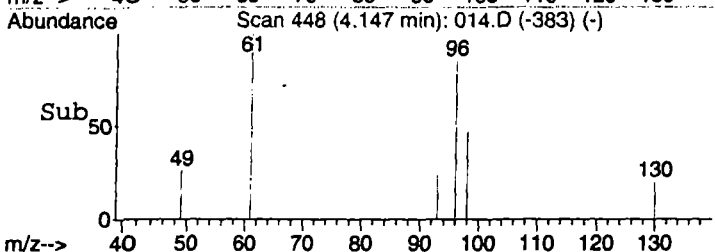
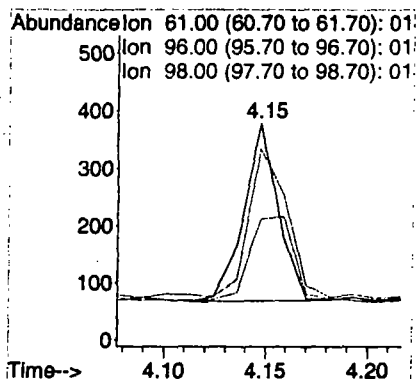
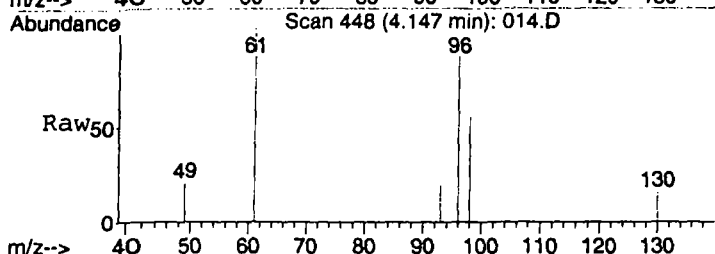
Tgt Ion:	63	Resp:	520
Ion Ratio	Lower	Upper	
63	100		
65	49.8	26.5	39.7#
27	22.1	18.0	27.0





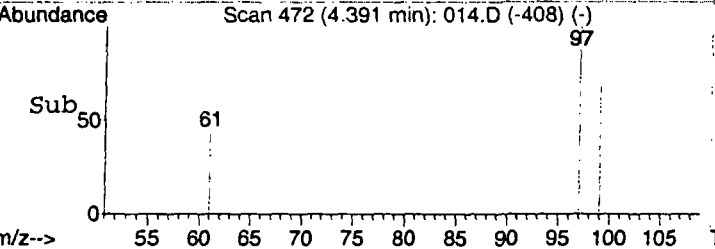
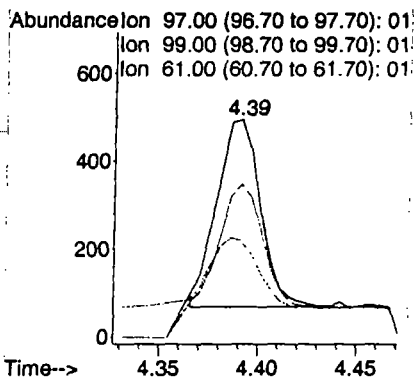
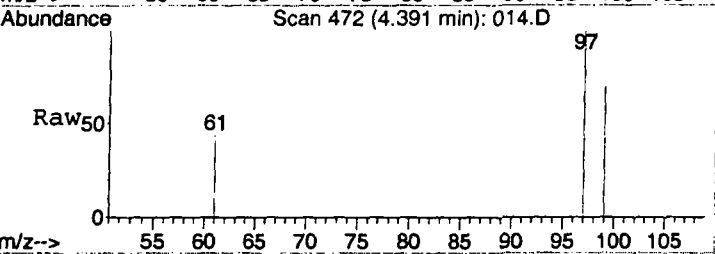
#7
 cis-1,2-Dichloroethene
 Concen: 4.20 ppbv m
 RT: 4.15 min Scan# 448
 Delta R.T. 0.00 min
 Lab File: 014.D
 Acq: 11 Dec 2007 10:58

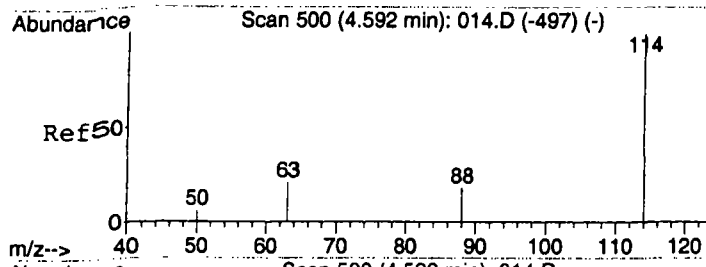
Tgt Ion	Ratio	Lower	Upper
61	100		
96	116.2	64.8	97.2#
98	89.5	49.8	74.8#



#8
 1,1,1-Trichloroethane
 Concen: 4.99 ppbv m
 RT: 4.39 min Scan# 472
 Delta R.T. -0.00 min
 Lab File: 014.D
 Acq: 11 Dec 2007 10:58

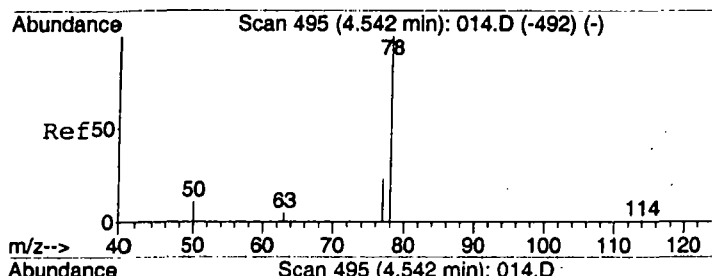
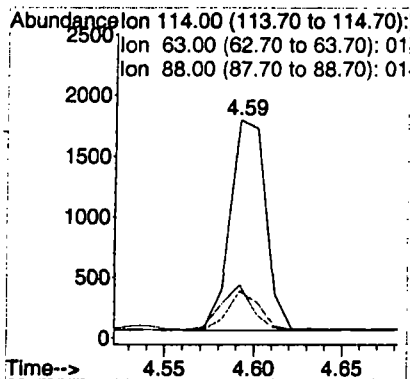
Tgt Ion	Ratio	Lower	Upper
97	100		
99	127.6	52.2	78.2#
61	47.7	34.6	51.8





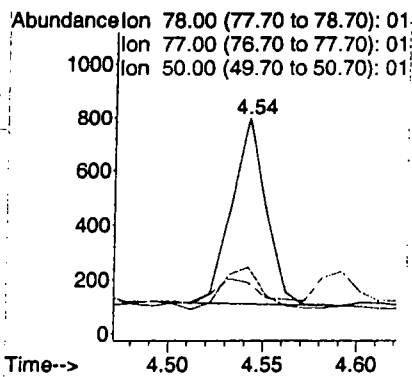
#9
1,4-Difluorobenzene
Concen: 10.00 ppbv
RT: 4.59 min Scan# 500
Delta R.T. -0.01 min
Lab File: 014.D
Acq: 11 Dec 2007 10:58

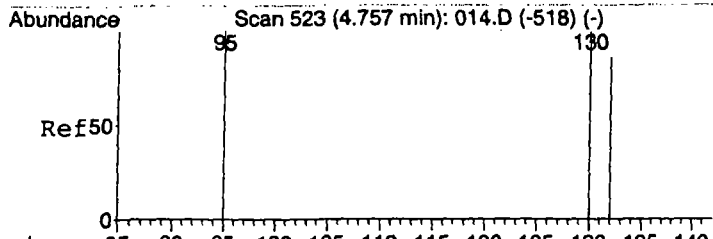
Tgt Ion: 114 Resp: 2431
Ion Ratio Lower Upper
114 100
63 22.5 15.4 23.2
88 20.8 11.8 17.6#



#10
Benzene
Concen: 4.46 ppbv m
RT: 4.54 min Scan# 495
Delta R.T. -0.01 min
Lab File: 014.D
Acq: 11 Dec 2007 10:58

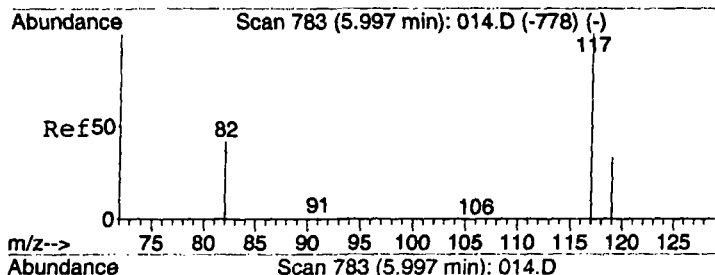
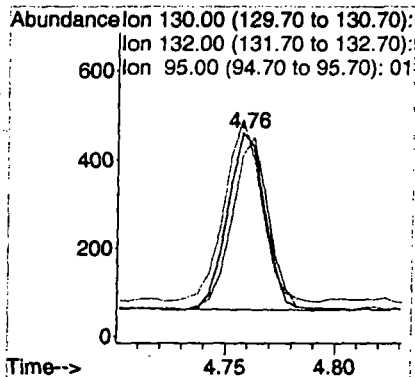
Tgt Ion: 78 Resp: 854
Ion Ratio Lower Upper
78 100
77 38.3 20.5 30.7#
50 43.2 15.9 23.9#





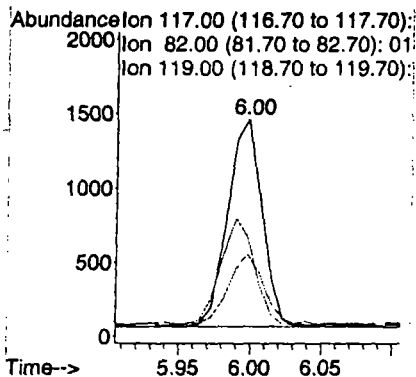
#11
Trichloroethene
Concen: 4.34 ppbv m
RT: 4.76 min Scan# 523
Delta R.T. -0.01 min
Lab File: 014.D
Acq: 11 Dec 2007 10:58

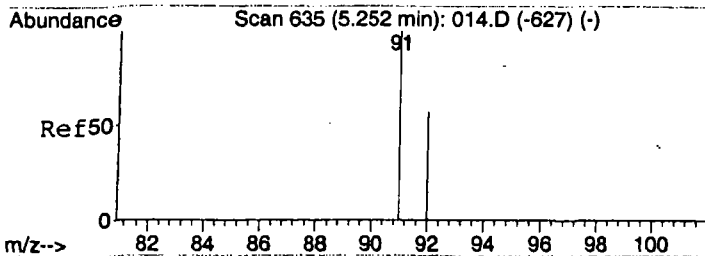
Tgt Ion:130 Resp: 478
Ion Ratio Lower Upper
130 100
132 113.6 74.7 112.1#
95 121.8 75.2 112.8#



#12
Chlorobenzene-d5
Concen: 10.00 ppbv
RT: 6.00 min Scan# 783
Delta R.T. -0.02 min
Lab File: 014.D
Acq: 11 Dec 2007 10:58

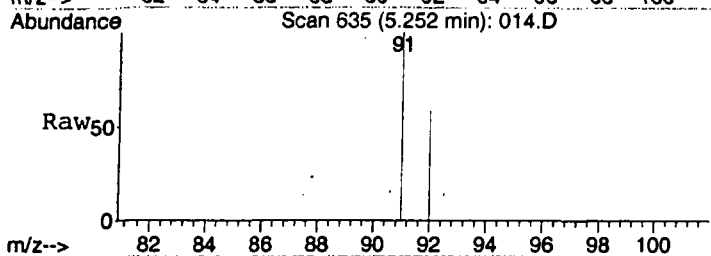
Tgt Ion:117 Resp: 2351
Ion Ratio Lower Upper
117 100
82 50.1 41.0 61.6
119 34.0 25.5 38.3



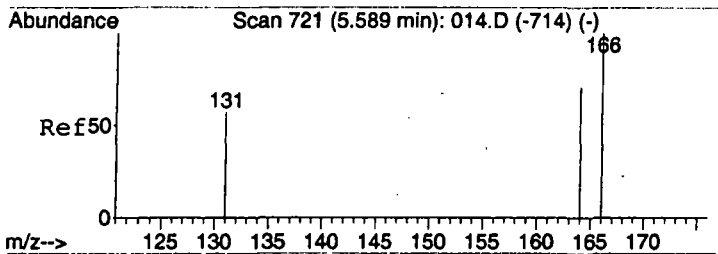
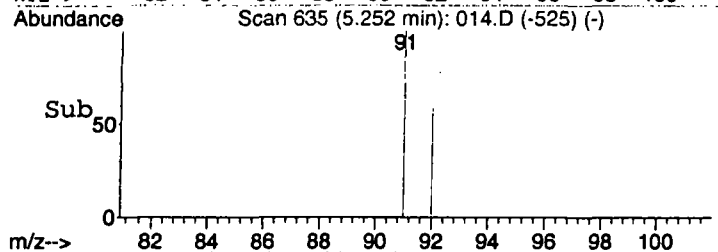
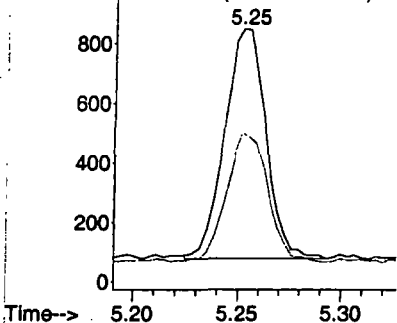


#13
Toluene
Concen: 3.96 ppbv
RT: 5.25 min Scan# 635
Delta R.T. -0.02 min
Lab File: 014.D
Acq: 11 Dec 2007 10:58

Tgt Ion: 91 Resp: 1067
Ion Ratio Lower Upper
91 100
92 55.8 46.9 70.3

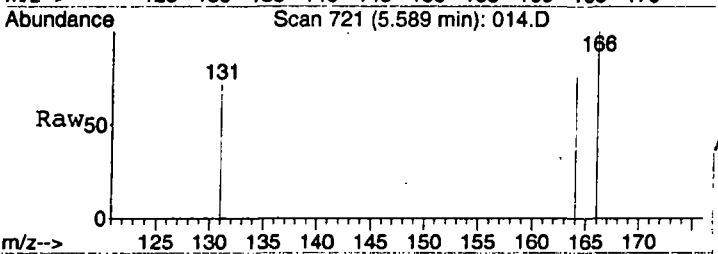


Abundance Ion 91.00 (90.70 to 91.70): 01
Ion 92.00 (91.70 to 92.70): 01

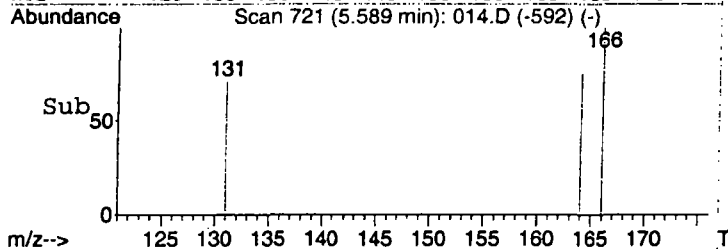
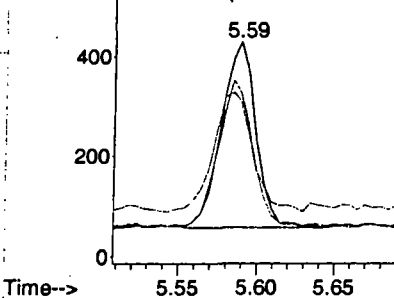


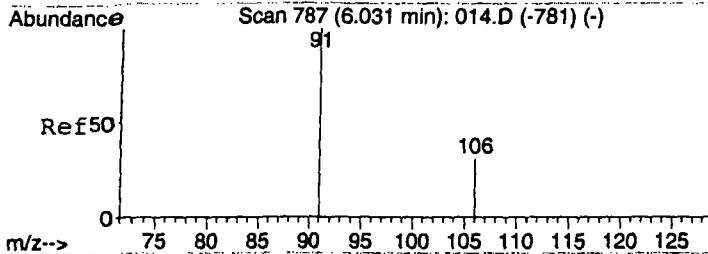
#14
Tetrachloroethene
Concen: 5.33 ppbv
RT: 5.59 min Scan# 721
Delta R.T. -0.02 min
Lab File: 014.D
Acq: 11 Dec 2007 10:58

Tgt Ion: 166 Resp: 567
Ion Ratio Lower Upper
166 100
164 76.9 62.8 94.2
131 71.6 56.9 85.3



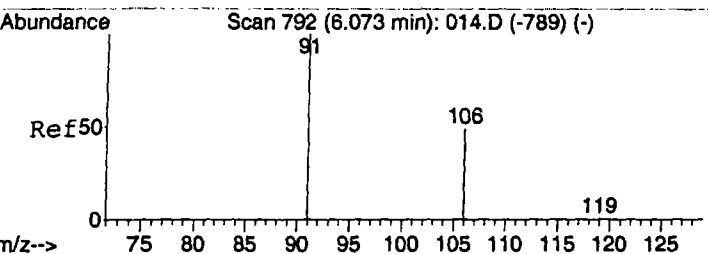
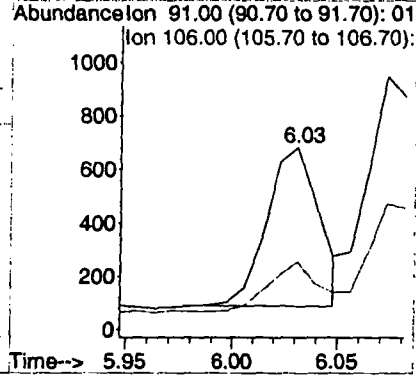
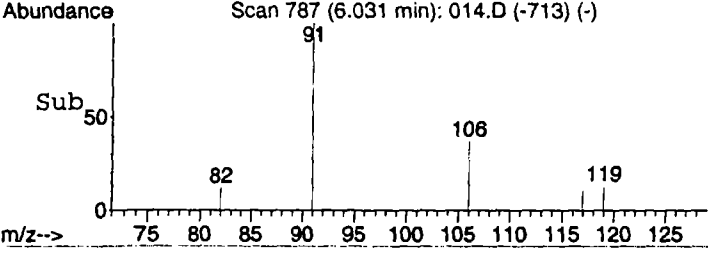
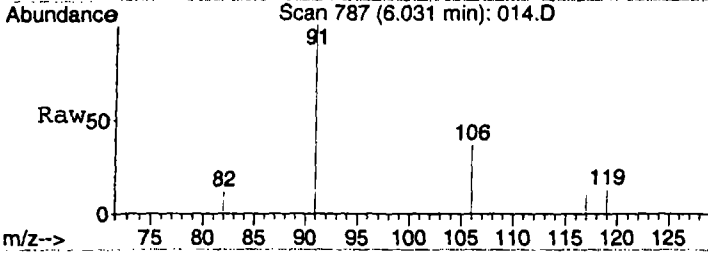
Abundance Ion 166.00 (165.70 to 166.70):
Ion 164.00 (163.70 to 164.70):
Ion 131.00 (130.70 to 131.70):





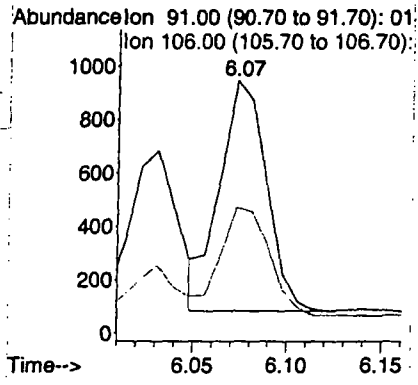
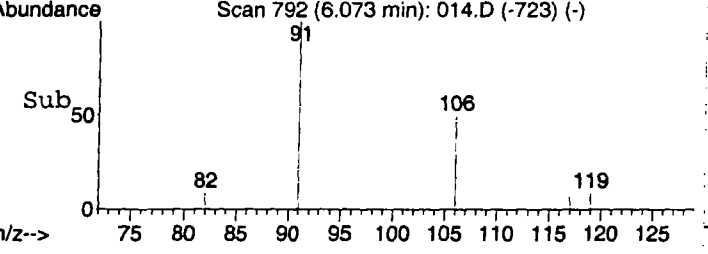
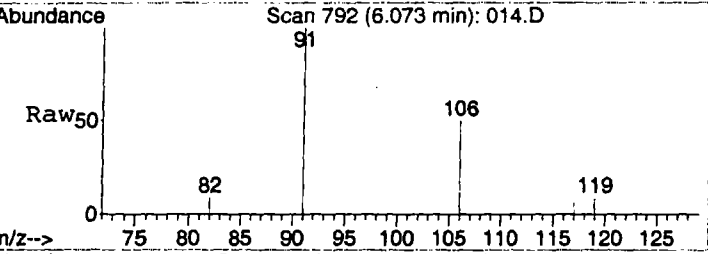
#15
Ethylbenzene
Concen: 4.78 ppbv
RT: 6.03 min Scan# 787
Delta R.T. -0.02 min
Lab File: 014.D
Acq: 11 Dec 2007 10:58

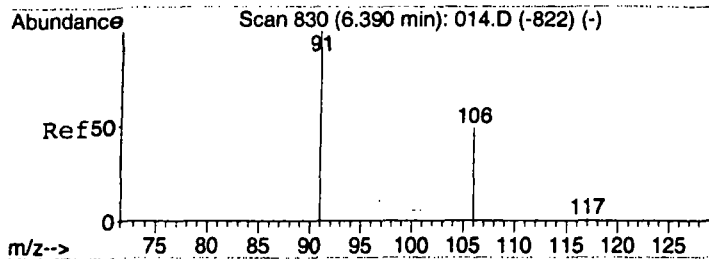
Tgt Ion: 91 Resp: 1028
Ion Ratio Lower Upper
91 100
106 29.7 22.5 33.7



#16
m&p-Xylenes
Concen: 4.67 ppbv
RT: 6.07 min Scan# 792
Delta R.T. -0.02 min
Lab File: 014.D
Acq: 11 Dec 2007 10:58

Tgt Ion: 91 Resp: 1505
Ion Ratio Lower Upper
91 100
106 49.5 36.4 54.6





#17

o-Xylene

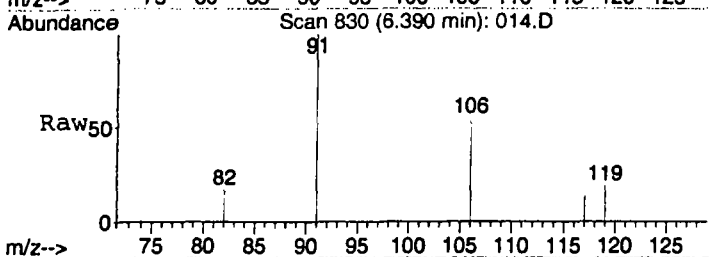
Concen: 3.68 ppbv

RT: 6.39 min Scan# 830

Delta R.T. -0.02 min

Lab File: 014.D

Acq: 11 Dec 2007 10:58

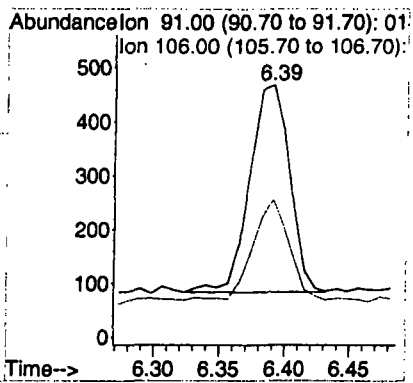
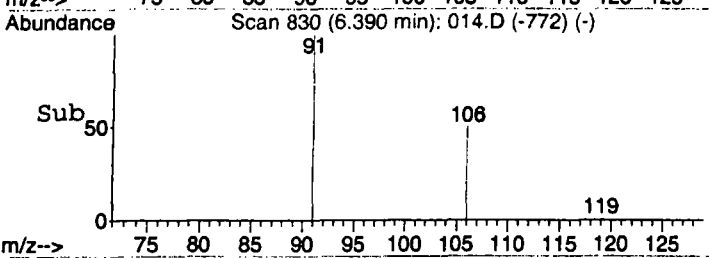


Tgt Ion: 91 Resp: 813

Ion Ratio Lower Upper

91 100

106 46.5 33.9 50.9



Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\2007\20071211\015.D Vial: 1
 Acq On : 11 Dec 2007 11:19 Operator: CWS
 Sample : 20071211STD-6\ 50.0 ppbv std Inst : Instrumen
 Misc : 5 mL\11 Dec 2007 Multiplr: 1.00
 MS Integration Params: rteint.p
 Quant Time: Dec 11 11:26:39 2007 Quant Results File: LOOP20071211.RES

Quant Method : C:\MSDCHEM\1...\LOOP20071211.M (RTE Integrator)

Title : VOC

Last Update : Tue Dec 11 11:11:58 2007

Response via : Initial Calibration

DataAcq Meth : LOOPSIMI

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	4.26	49	680	10.00	ppbv	-0.01
9) 1,4-Difluorobenzene	4.59	114	2527m	10.00	ppbv	0.00
12) Chlorobenzene-d5	5.99	117	2484	10.00	ppbv	-0.02

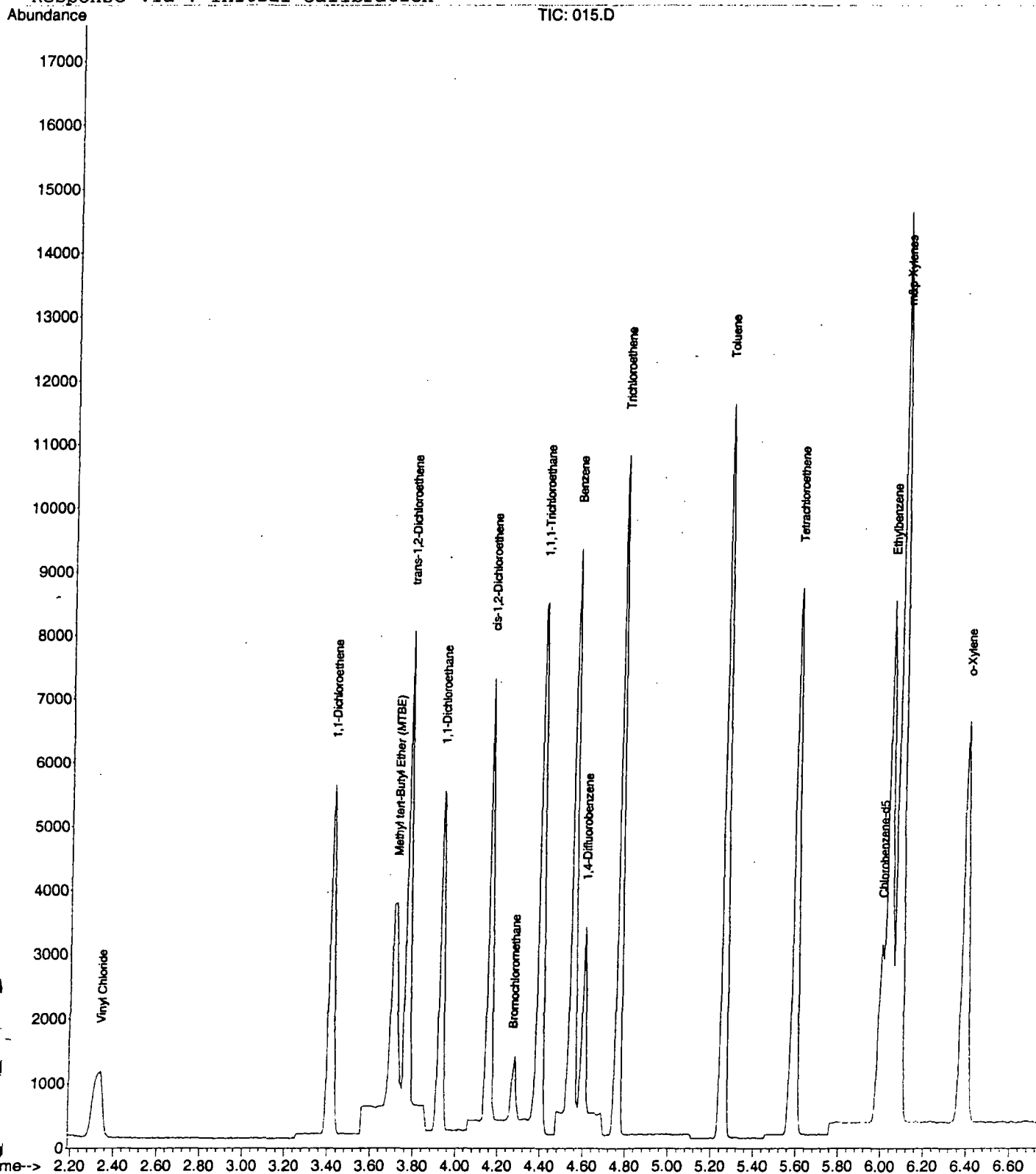
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Vinyl Chloride	2.33	62	2429	42.73	ppbv	96
3) 1,1-Dichloroethene	3.41	61	4127	42.17	ppbv	89
4) Methyl tert-Butyl Ether (M	3.71	73	4506m	38.57	ppbv	
5) trans-1,2-Dichloroethene	3.77	61	3897	37.68	ppbv	92
6) 1,1-Dichloroethane	3.92	63	4806m	42.38	ppbv	
7) cis-1,2-Dichloroethene	4.15	61	3490m	37.60	ppbv	
8) 1,1,1-Trichloroethane	4.39	97	6304m	43.24	ppbv	
10) Benzene	4.54	78	8426	43.89	ppbv	98
11) Trichloroethene	4.76	130	4337m	39.60	ppbv	
13) Toluene	5.25	91	9755	36.82	ppbv	99
14) Tetrachloroethene	5.58	166	5501	47.87	ppbv	97
15) Ethylbenzene	6.02	91	11287	50.40	ppbv	95
16) m&p-Xylenes	6.07	91	15659	47.01	ppbv	94
17) o-Xylene	6.38	91	8237	38.66	ppbv	94

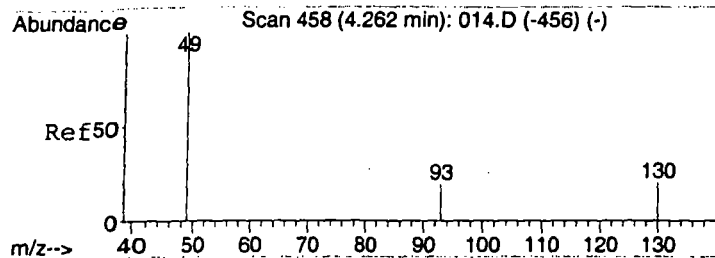
Data File : C:\MSDCHEM\1\DATA\2007\20071211\015.D
Acq On : 11 Dec 2007 11:19
Sample : 20071211STD-6\ 50.0 ppbv std
Misc : 5 mL\11 Dec 2007
MS Integration Params: rteint.p
Quant Time: Dec 11 11:31 2007

Vial: 1
Operator: CWS
Inst : Instrumen
Multiplr: 1.00

Quant Results File: LOOP20071211.RES

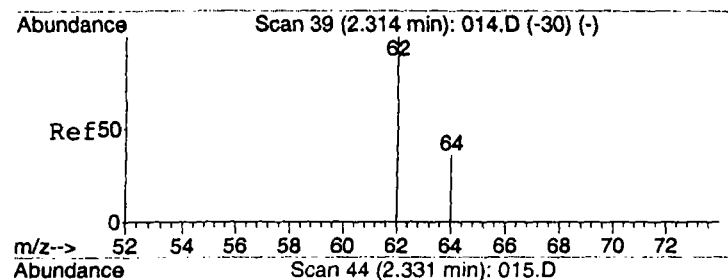
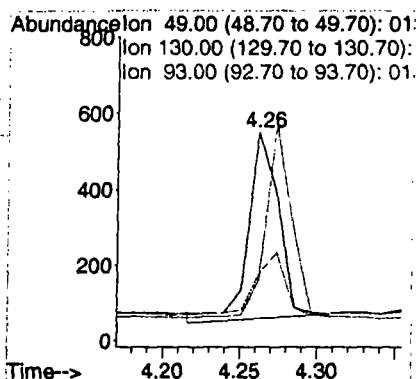
Method : C:\MSDCHEM\1\METHODS\LOOP20071212.M (RTE Integrator)
Title : VOC
Last Update : Tue Dec 18 13:43:01 2007
Response via : Initial Calibration





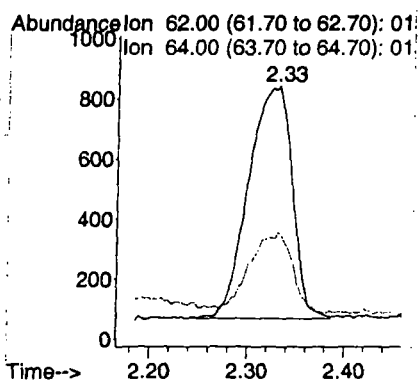
#1
Bromochloromethane
Concen: 10.00 ppbv
RT: 4.26 min Scan# 458
Delta R.T. -0.01 min
Lab File: 015.D
Acq: 11 Dec 2007 11:19

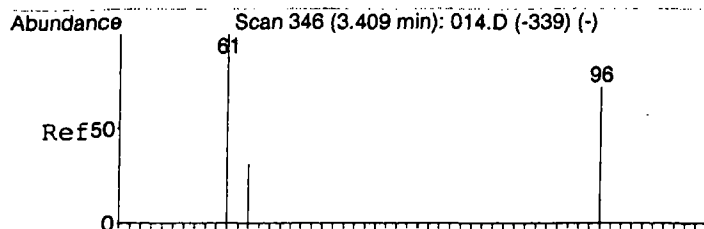
Tgt Ion: 49 Resp: 680
Ion Ratio Lower Upper
49 100
130 141.9 105.7 158.5
93 29.6 24.4 36.6



#2
Vinyl Chloride
Concen: 42.73 ppbv
RT: 2.33 min Scan# 44
Delta R.T. 0.01 min
Lab File: 015.D
Acq: 11 Dec 2007 11:19

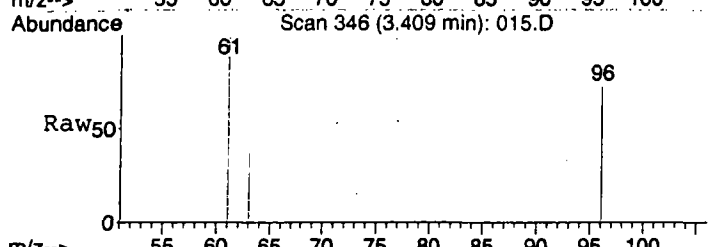
Tgt Ion: 62 Resp: 2429
Ion Ratio Lower Upper
62 100
64 34.1 25.5 38.3



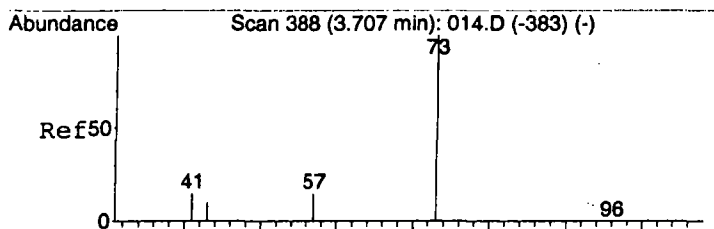
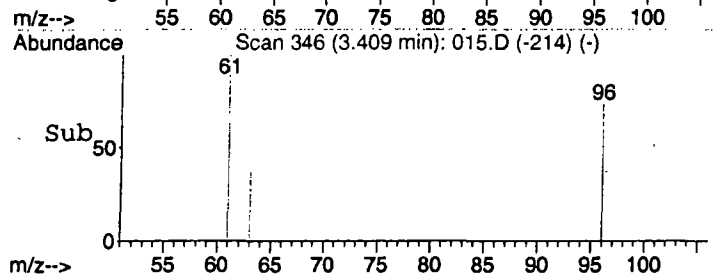
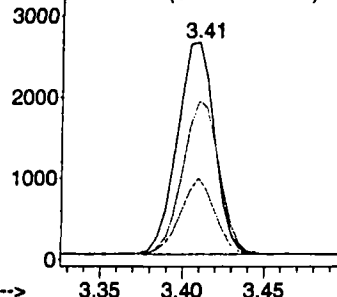


#3
1,1-Dichloroethene
Concen: 42.17 ppbv
RT: 3.41 min Scan# 346
Delta R.T. -0.00 min
Lab File: 015.D
Acq: 11 Dec 2007 11:19

Tgt Ion: 61 Resp: 4127
Ion Ratio Lower Upper
61 100
96 70.8 48.4 72.6
63 33.1 24.4 36.6

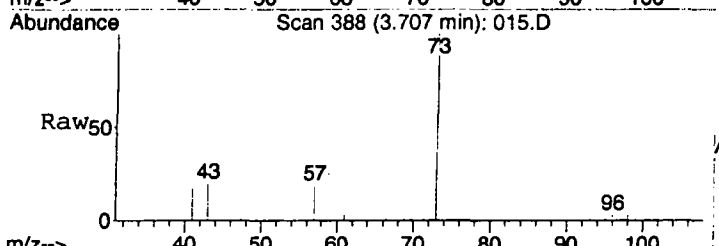


Abundance Ion 61.00 (60.70 to 61.70): 01
Ion 96.00 (95.70 to 96.70): 01
Ion 63.00 (62.70 to 63.70): 01

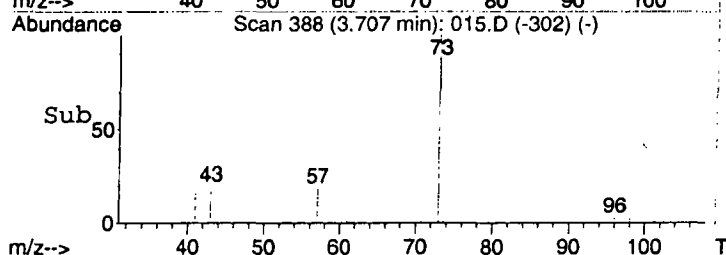
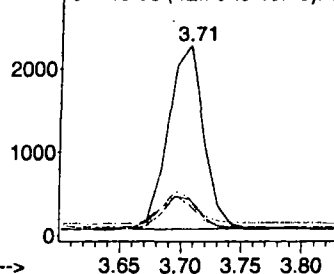


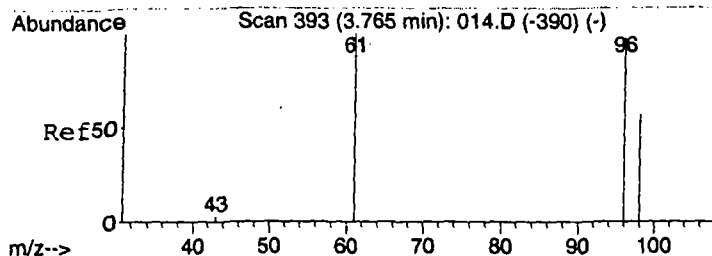
#4
Methyl tert-Butyl Ether (MTBE)
Concen: 38.57 ppbv m
RT: 3.71 min Scan# 388
Delta R.T. -0.00 min
Lab File: 015.D
Acq: 11 Dec 2007 11:19

Tgt Ion: 73 Resp: 4506
Ion Ratio Lower Upper
73 100
57 21.5 19.1 28.7
41 22.3 16.5 24.7
43 56.3 17.5 26.3#

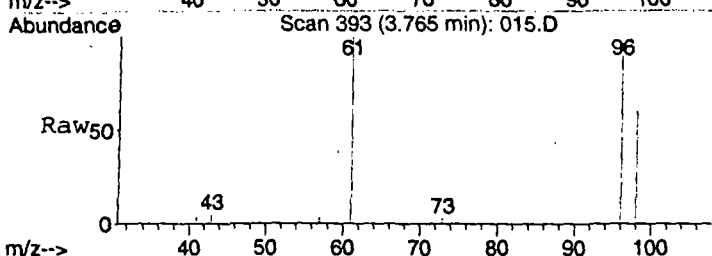


Abundance Ion 73.00 (72.70 to 73.70): 01
Ion 57.00 (56.70 to 57.70): 01
Ion 41.00 (40.70 to 41.70): 01
Ion 43.00 (42.70 to 43.70): 01

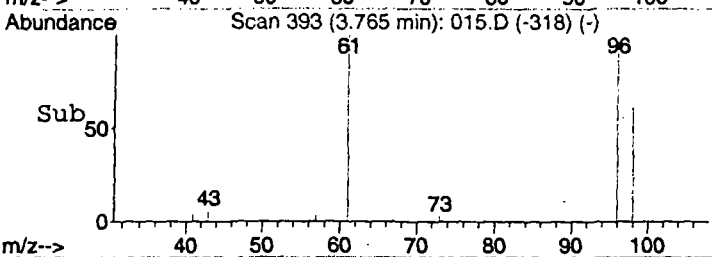




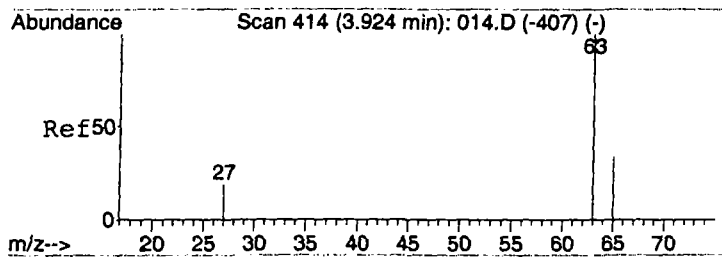
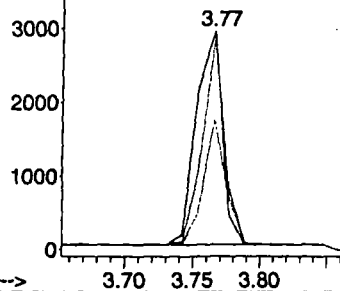
#5
trans-1,2-Dichloroethene
Concen: 37.68 ppbv
RT: 3.77 min Scan# 393
Delta R.T. -0.00 min
Lab File: 015.D
Acq: 11 Dec 2007 11:19



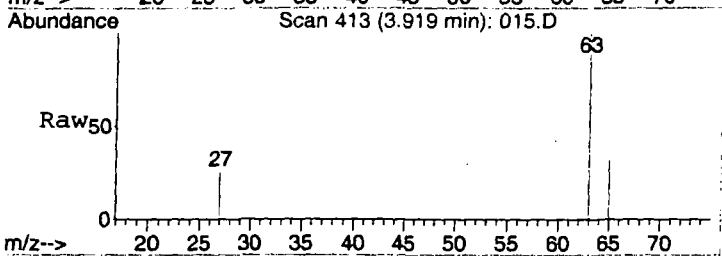
Tgt Ion: 61 Resp: 3897
Ion Ratio Lower Upper
61 100
96 81.6 56.8 85.2
98 51.3 42.1 63.1



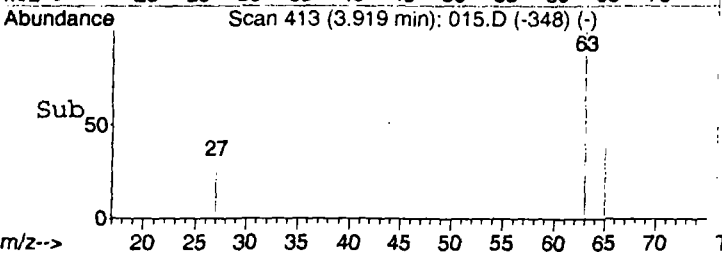
Abundance Ion 61.00 (60.70 to 61.70): 01
4000 Ion 96.00 (95.70 to 96.70): 01
Ion 98.00 (97.70 to 98.70): 01



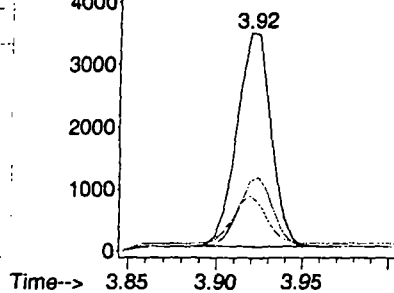
#6
1,1-Dichloroethane
Concen: 42.38 ppbv m
RT: 3.92 min Scan# 413
Delta R.T. -0.00 min
Lab File: 015.D
Acq: 11 Dec 2007 11:19

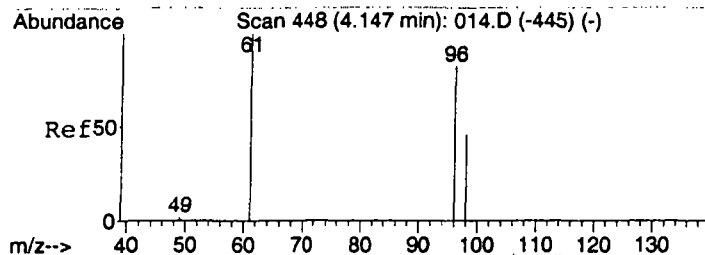


Tgt Ion: 63 Resp: 4806
Ion Ratio Lower Upper
63 100
65 34.4 26.5 39.7
27 25.6 18.0 27.0



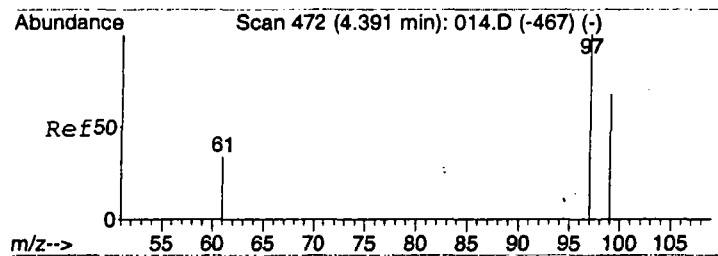
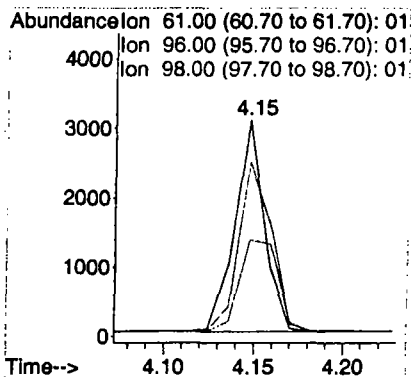
Abundance Ion 63.00 (62.70 to 63.70): 01
Ion 65.00 (64.70 to 65.70): 01
Ion 27.00 (26.70 to 27.70): 01





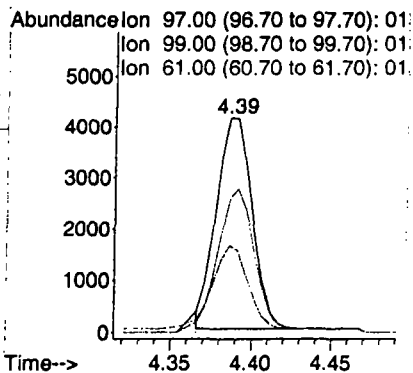
#7
 cis-1,2-Dichloroethene
 Concen: 37.60 ppbv m
 RT: 4.15 min Scan# 448
 Delta R.T. 0.00 min
 Lab File: 015.D
 Acq: 11 Dec 2007 11:19

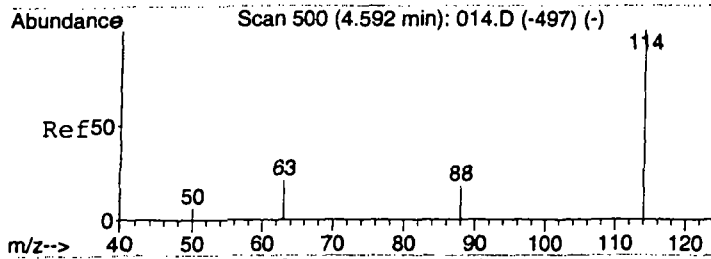
Tgt Ion: 61 Resp: 3490
 Ion Ratio Lower Upper
 61 100
 96 92.3 64.8 97.2
 98 73.2 49.8 74.8



#8
 1,1,1-Trichloroethane
 Concen: 43.24 ppbv m
 RT: 4.39 min Scan# 471
 Delta R.T. -0.01 min
 Lab File: 015.D
 Acq: 11 Dec 2007 11:19

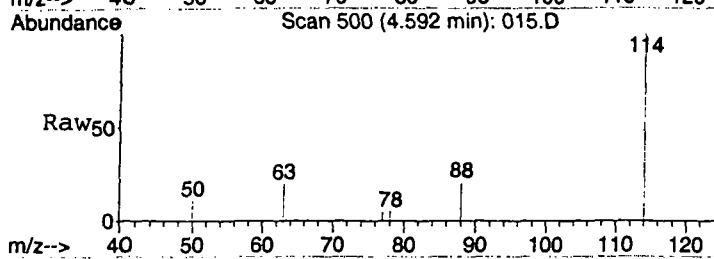
Tgt Ion: 97 Resp: 6304
 Ion Ratio Lower Upper
 97 100
 99 81.4 52.2 78.2#
 61 44.5 34.6 51.8



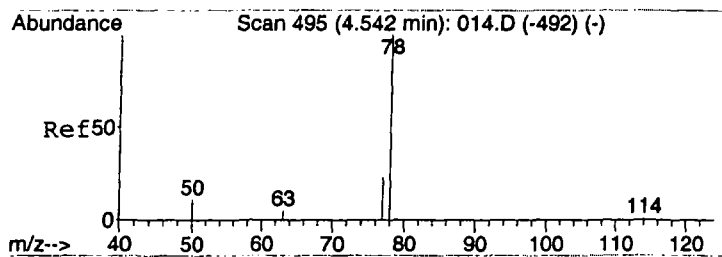
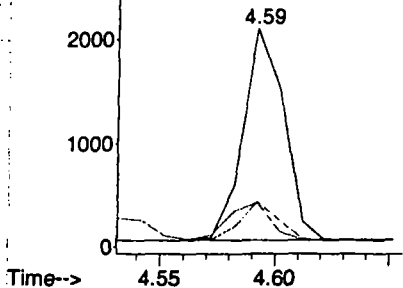
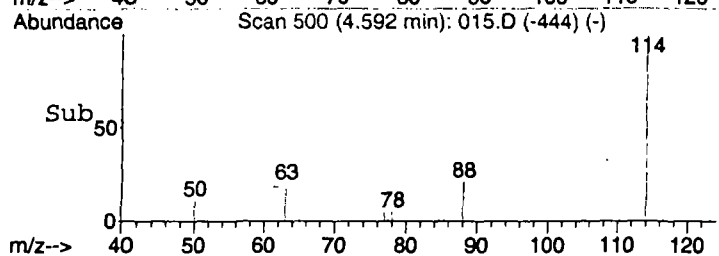


#9
1,4-Difluorobenzene
Concen: 10.00 ppbv m
RT: 4.59 min Scan# 500
Delta R.T. -0.01 min
Lab File: 015.D
Acq: 11 Dec 2007 11:19

Tgt Ion: 114 Resp: 2527
Ion Ratio Lower Upper
114 100
63 20.3 15.4 23.2
88 17.6 11.8 17.6

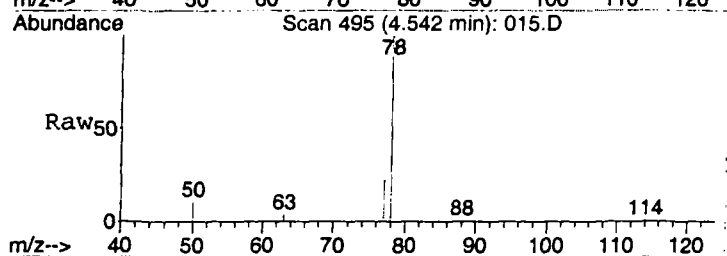


Abundance Ion 114.00 (113.70 to 114.70):
Ion 63.00 (62.70 to 63.70): 01.
Ion 88.00 (87.70 to 88.70): 01.

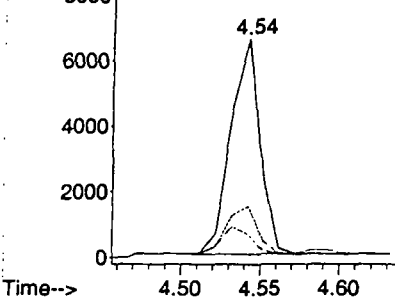
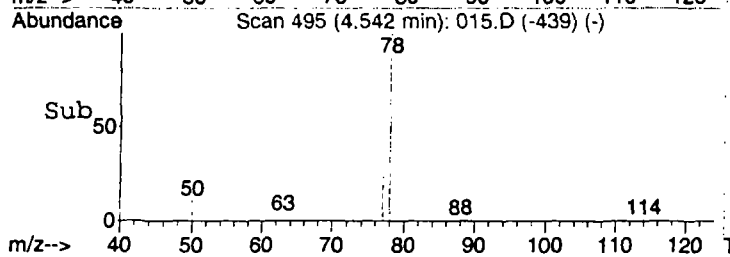


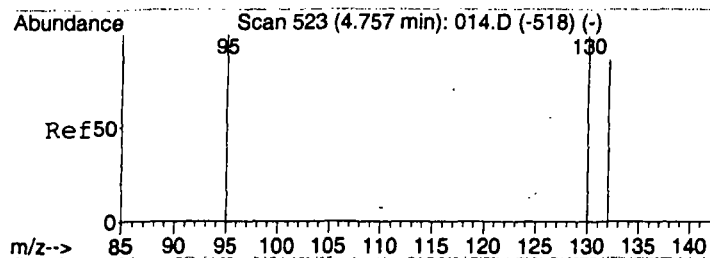
#10
Benzene
Concen: 43.89 ppbv
RT: 4.54 min Scan# 495
Delta R.T. -0.01 min
Lab File: 015.D
Acq: 11 Dec 2007 11:19

Tgt Ion: 78 Resp: 8426
Ion Ratio Lower Upper
78 100
77 26.3 20.5 30.7
50 19.0 15.9 23.9



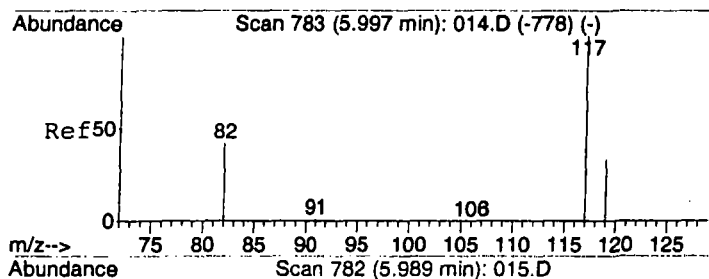
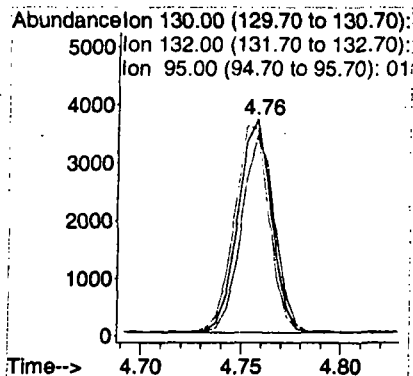
Abundance Ion 78.00 (77.70 to 78.70): 01.
Ion 77.00 (76.70 to 77.70): 01.
Ion 50.00 (49.70 to 50.70): 01.





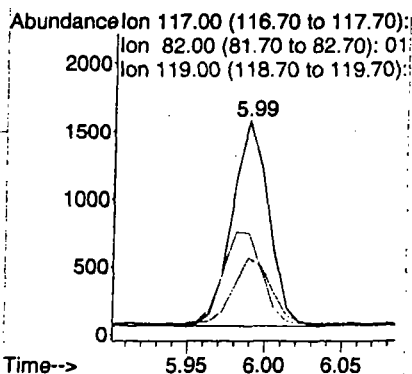
#11
 Trichloroethene
 Concen: 39.60 ppbv m
 RT: 4.76 min Scan# 523
 Delta R.T. -0.01 min
 Lab File: 015.D
 Acq: 11 Dec 2007 11:19

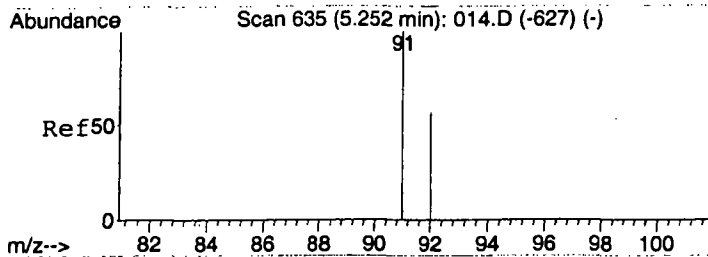
Tgt Ion	Ratio	Lower	Upper
130	100		
132	92.1	74.7	112.1
95	99.7	75.2	112.8



#12
 Chlorobenzene-d5
 Concen: 10.00 ppbv
 RT: 5.99 min Scan# 782
 Delta R.T. -0.02 min
 Lab File: 015.D
 Acq: 11 Dec 2007 11:19

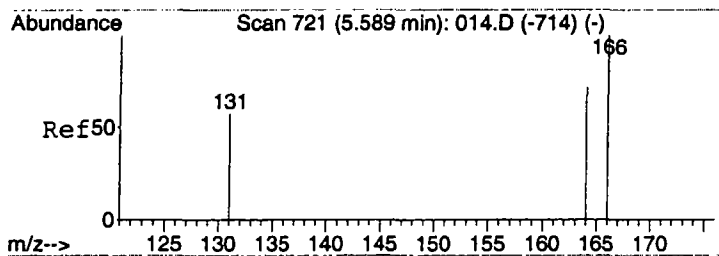
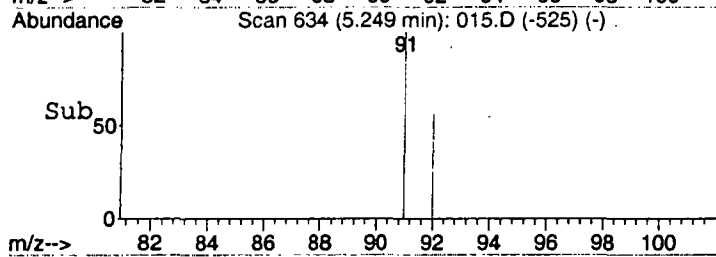
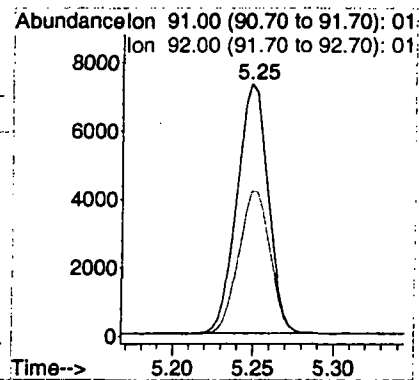
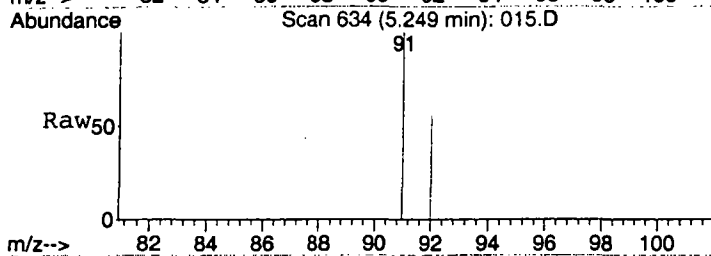
Tgt Ion	Ratio	Lower	Upper
117	100		
82	48.0	41.0	61.6
119	32.9	25.5	38.3





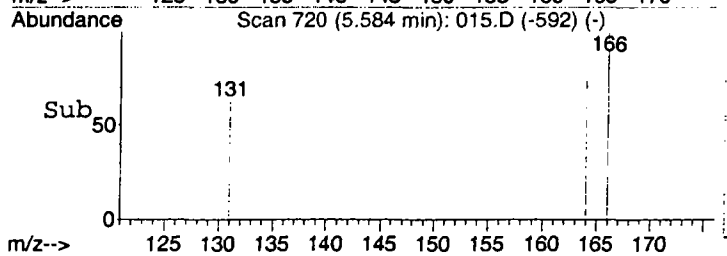
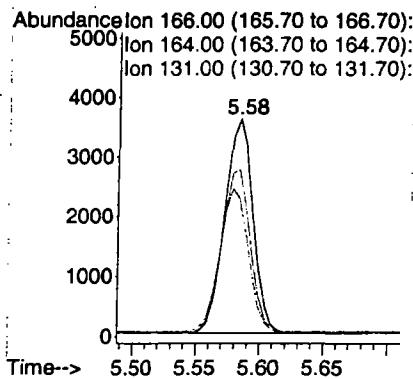
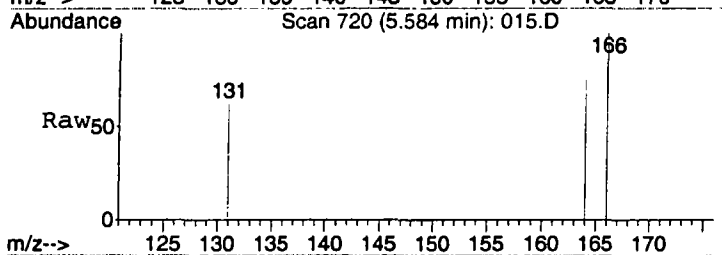
#13
Toluene
Concen: 36.82 ppbv
RT: 5.25 min Scan# 634
Delta R.T. -0.02 min
Lab File: 015.D
Acq: 11 Dec 2007 11:19

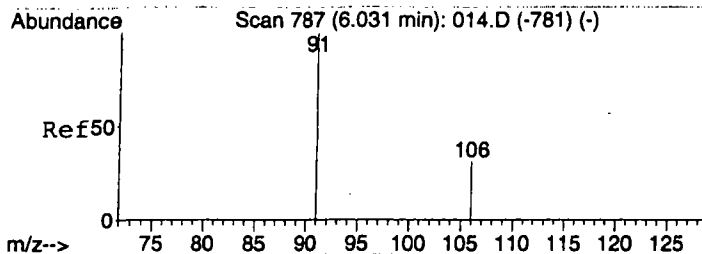
Tgt Ion: 91 Resp: 9755
Ion Ratio Lower Upper
91 100
92 58.0 46.9 70.3



#14
Tetrachloroethene
Concen: 47.87 ppbv
RT: 5.58 min Scan# 720
Delta R.T. -0.02 min
Lab File: 015.D
Acq: 11 Dec 2007 11:19

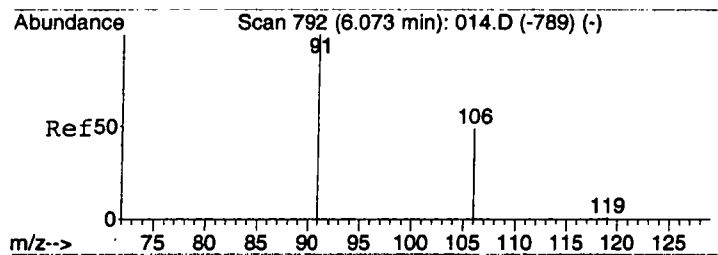
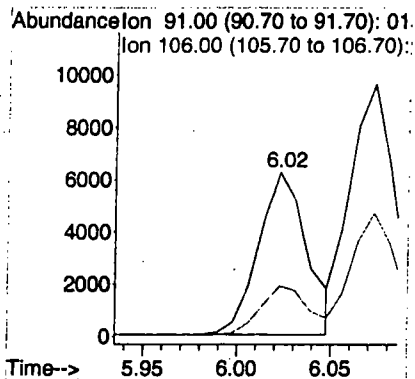
Tgt Ion: 166 Resp: 5501
Ion Ratio Lower Upper
166 100
164 77.1 62.8 94.2
131 67.7 56.9 85.3





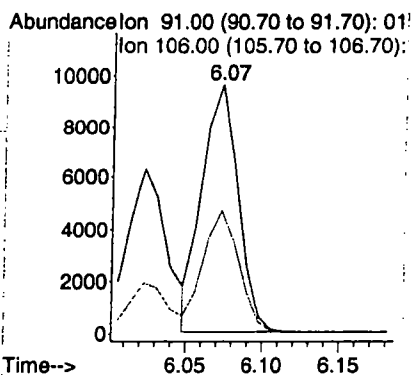
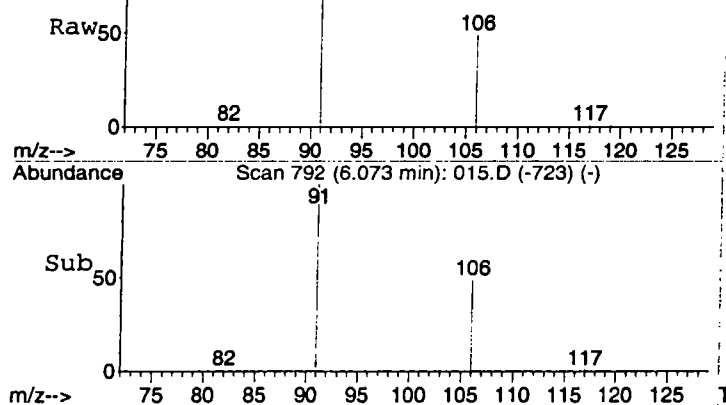
#15
Ethylbenzene
Concen: 50.40 ppbv
RT: 6.02 min Scan# 786
Delta R.T. -0.02 min
Lab File: 015.D
Acq: 11 Dec 2007 11:19

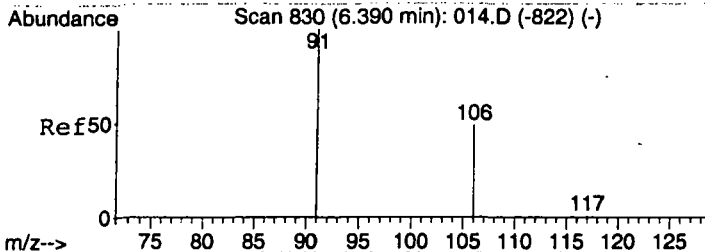
Tgt Ion: 91 Resp: 11287
Ion Ratio Lower Upper
91 100
106 30.7 22.5 33.7



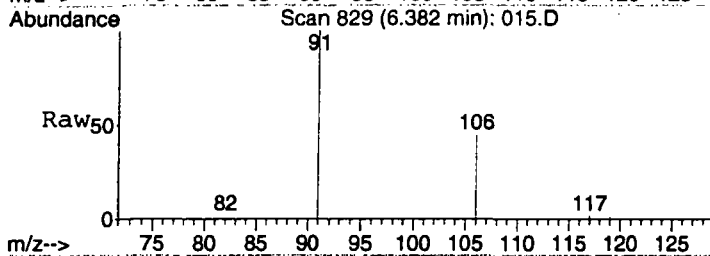
#16
m&p-Xylenes
Concen: 47.01 ppbv
RT: 6.07 min Scan# 792
Delta R.T. -0.02 min
Lab File: 015.D
Acq: 11 Dec 2007 11:19

Tgt Ion: 91 Resp: 15659
Ion Ratio Lower Upper
91 100
106 49.1 36.4 54.6

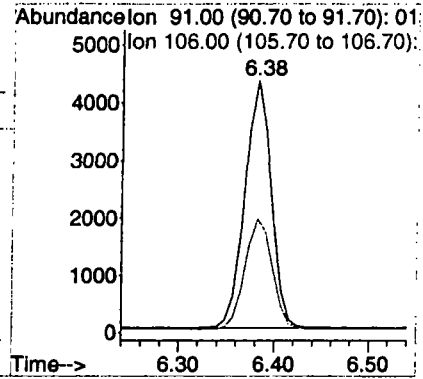
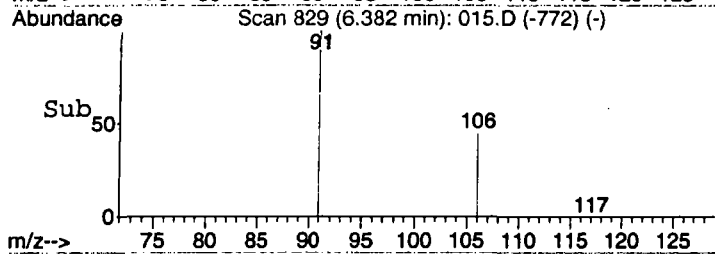




#17
 o-Xylene
 Concen: 38.66 ppbv
 RT: 6.38 min Scan# 829
 Delta R.T. -0.02 min
 Lab File: 015.D
 Acq: 11 Dec 2007 11:19



Tgt Ion: 91 Resp: 8237
 Ion Ratio Lower Upper
 91 100
 106 46.4 33.9 50.9



Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\2007\20071211\016.D Vial: 1
Acq On : 11 Dec 2007 11:30 Operator: CWS
Sample : 20071211STD-7\ 500.0 ppbv std Inst : Instrumen
Misc : 5 mL\11 Dec 2007 Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Dec 11 11:37:39 2007 Quant Results File: LOOP20071211.RES

Quant Method : C:\MSDCHEM\1...\LOOP20071211.M (RTE Integrator)

Title : VOC
Last Update : Tue Dec 11 11:32:10 2007
Response via : Initial Calibration
DataAcq Meth : LOOPSIMI

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	4.26	49	700m	10.00	ppbv	-0.01
9) 1,4-Difluorobenzene	4.59	114	2938m	10.00	ppbv	0.00
12) Chlorobenzene-d5	5.99	117	2841	10.00	ppbv	-0.02

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Vinyl Chloride	2.33	62	23413	420.47	ppbv	99
3) 1,1-Dichloroethene	3.41	61	40628	419.68	ppbv	90
4) Methyl tert-Butyl Ether (M	3.70	73	59532m	525.04	ppbv	
5) trans-1,2-Dichloroethene	3.77	61	39038m	390.71	ppbv	
6) 1,1-Dichloroethane	3.92	63	48265m	429.81	ppbv	
7) cis-1,2-Dichloroethene	4.15	61	35480m	395.87	ppbv	
8) 1,1,1-Trichloroethane	4.39	97	64060m	441.74	ppbv	
10) Benzene	4.54	78	86224m	398.44	ppbv	
11) Trichloroethene	4.76	130	44067	365.06	ppbv	97
13) Toluene	5.25	91	102398	361.75	ppbv	99
14) Tetrachloroethene	5.58	166	56443	434.10	ppbv	98
15) Ethylbenzene	6.02	91	128572	500.97	ppbv	94
16) m&p-Xylenes	6.07	91	187767	500.32	ppbv	94
17) o-Xylene	6.38	91	97375	423.60	ppbv	93

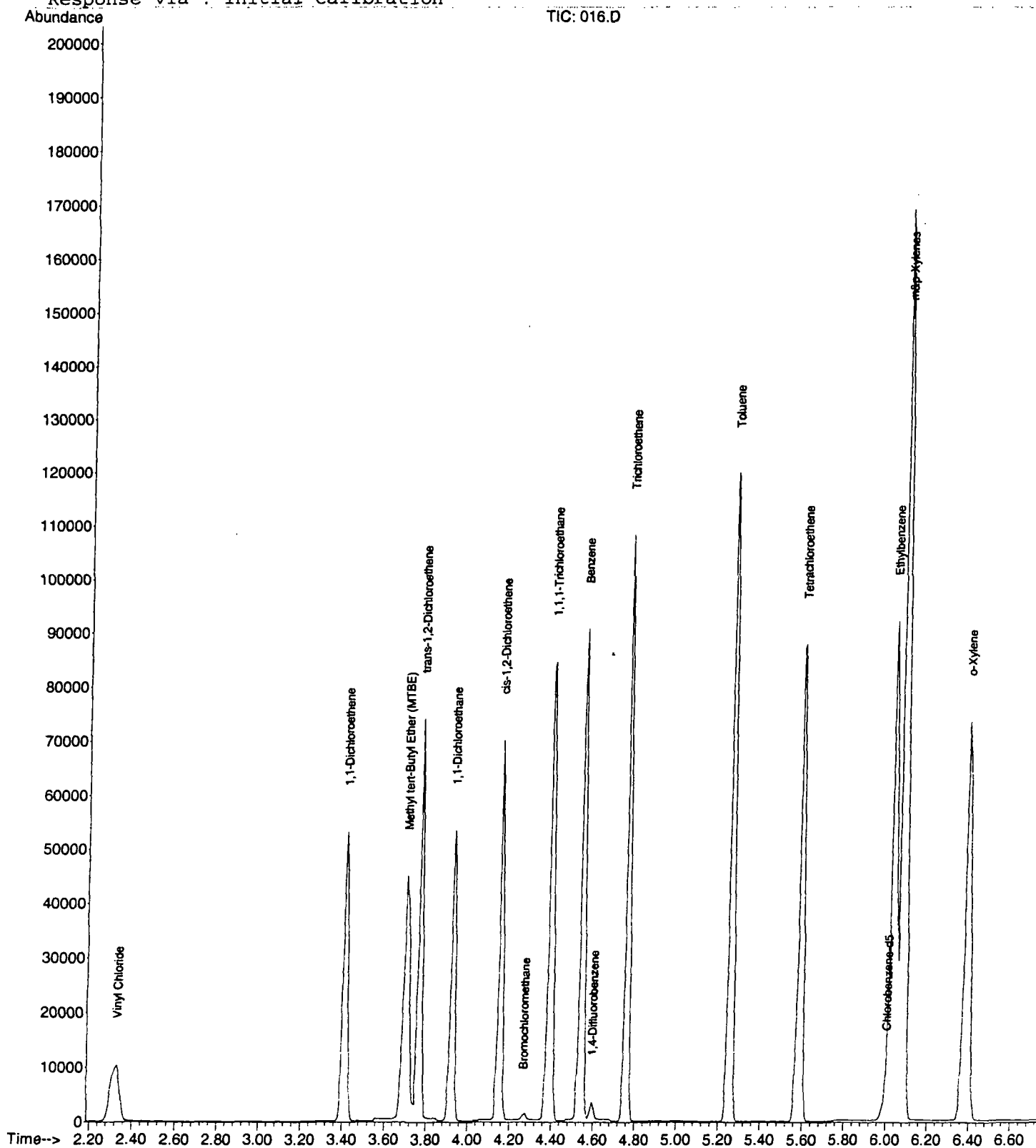
Quantitation Report (QT Reviewed)

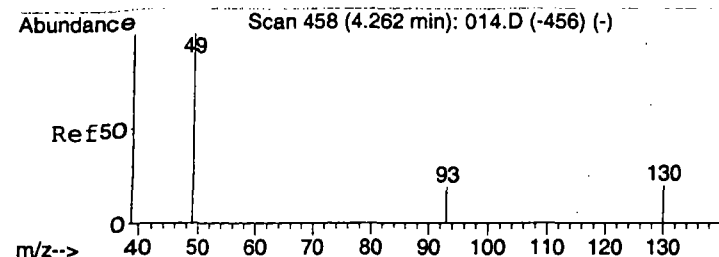
Data File : C:\MSDCHEM\1\DATA\2007\20071211\016.D
 Acq On : 11 Dec 2007 11:30
 Sample : 20071211STD-7\ 500.0 ppbv std
 Misc : 5 mL\11 Dec 2007
 MS Integration Params: rteint.p
 Quant Time: Dec 11 11:42 2007

Vial: 1
 Operator: CWS
 Inst : Instrumen
 Multiplr: 1.00

Quant Results File: LOOP20071211.RES

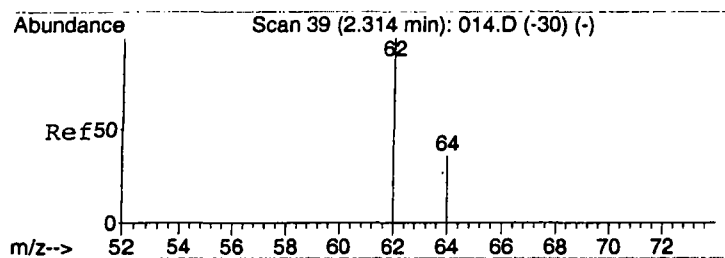
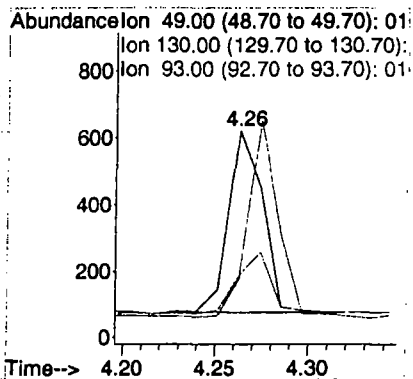
Method : C:\MSDCHEM\1\METHODS\LOOP20071212.M (RTE Integrator)
 Title : VOC
 Last Update : Tue Dec 18 13:43:01 2007
 Response via : Initial Calibration





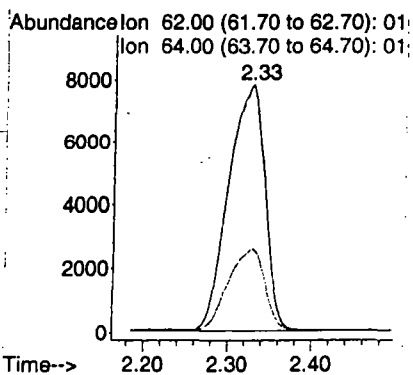
#1
 Bromochloromethane
 Concen: 10.00 ppbv m
 RT: 4.26 min Scan# 458
 Delta R.T. -0.01 min
 Lab File: 016.D
 Acq: 11 Dec 2007 11:30

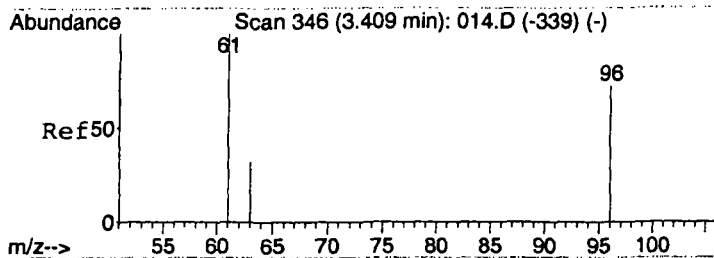
Tgt Ion	Ratio	Lower	Upper
49	100		
130	0.0	105.7	158.5#
93	34.6	24.4	36.6



#2
 Vinyl Chloride
 Concen: 420.47 ppbv
 RT: 2.33 min Scan# 43
 Delta R.T. 0.01 min
 Lab File: 016.D
 Acq: 11 Dec 2007 11:30

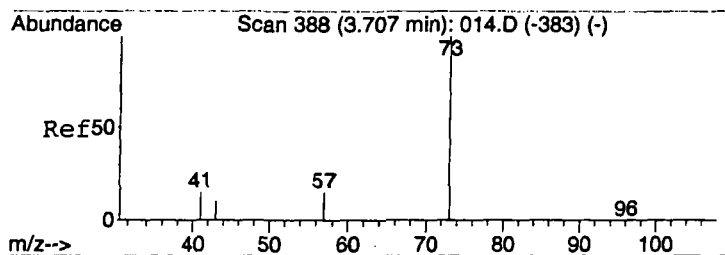
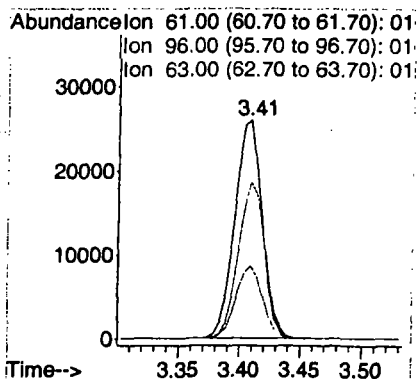
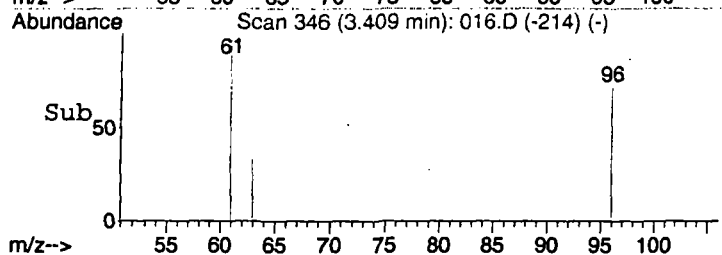
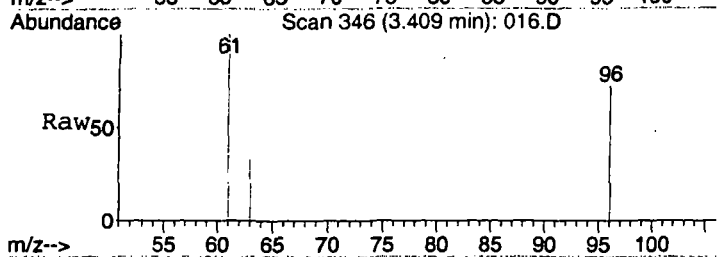
Tgt Ion	Ratio	Lower	Upper
62	100		
64	32.3	25.5	38.3





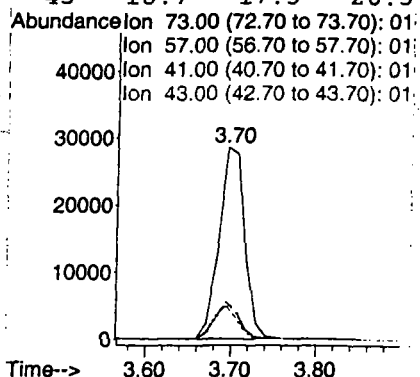
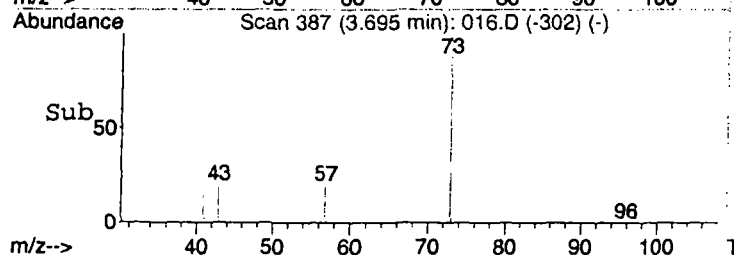
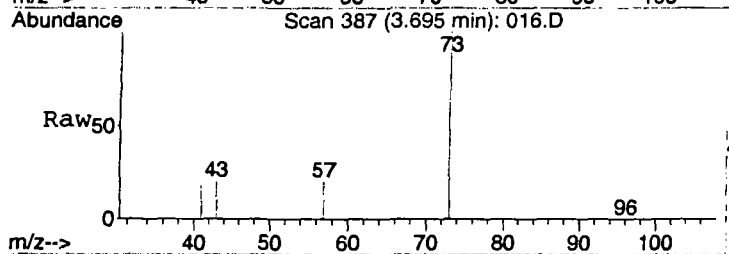
#3
1,1-Dichloroethene
Concen: 419.68 ppbv
RT: 3.41 min Scan# 346
Delta R.T. 0.00 min
Lab File: 016.D
Acq: 11 Dec 2007 11:30

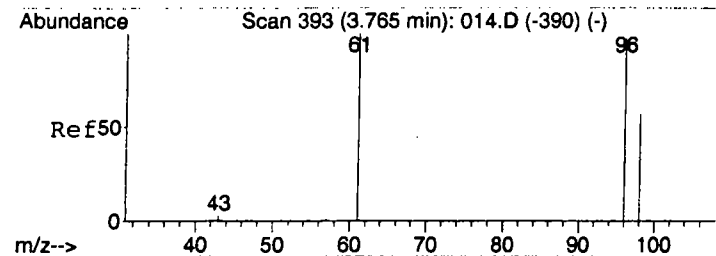
Tgt Ion: 61 Resp: 40628
Ion Ratio Lower Upper
61 100
96 70.6 48.4 72.6
63 32.5 24.4 36.6



#4
Methyl tert-Butyl Ether (MTBE)
Concen: 525.04 ppbv m
RT: 3.70 min Scan# 387
Delta R.T. -0.01 min
Lab File: 016.D
Acq: 11 Dec 2007 11:30

Tgt Ion: 73 Resp: 59532
Ion Ratio Lower Upper
73 100
57 18.9 19.1 28.7#
41 16.7 16.5 24.7
43 18.7 17.5 26.3





#5

trans-1,2-Dichloroethene

Concen: 390.71 ppbv m

RT: 3.77 min Scan# 393

Delta R.T. 0.00 min

Lab File: 016.D

Acq: 11 Dec 2007 11:30

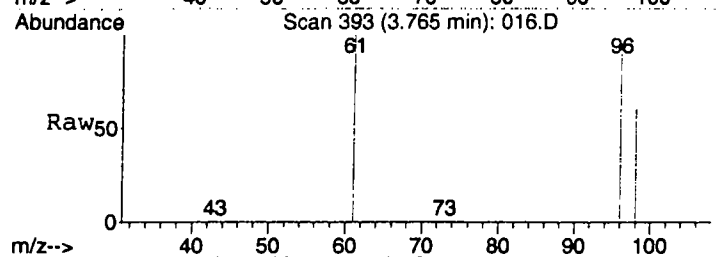
Tgt Ion: 61 Resp: 39038

Ion Ratio Lower Upper

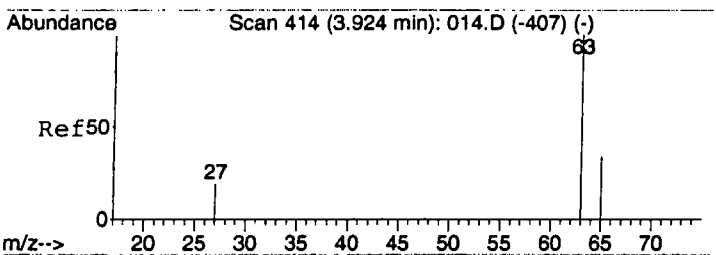
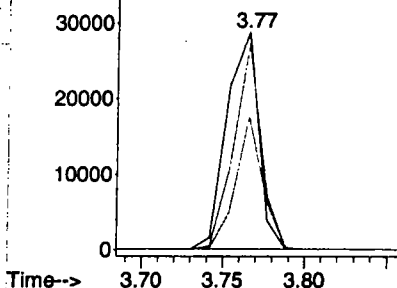
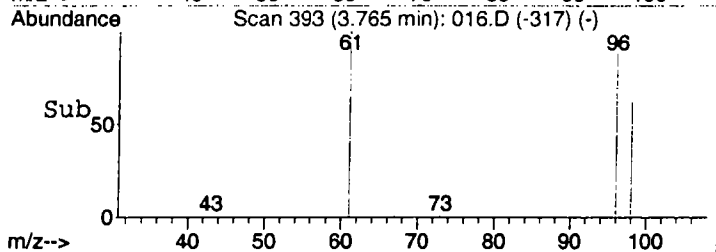
61 100

96 79.7 56.8 85.2

98 51.0 42.1 63.1



Abundance Ion 61.00 (60.70 to 61.70): 01
Ion 96.00 (95.70 to 96.70): 01
Ion 98.00 (97.70 to 98.70): 01



#6

1,1-Dichloroethane

Concen: 429.81 ppbv m

RT: 3.92 min Scan# 413

Delta R.T. 0.00 min

Lab File: 016.D

Acq: 11 Dec 2007 11:30

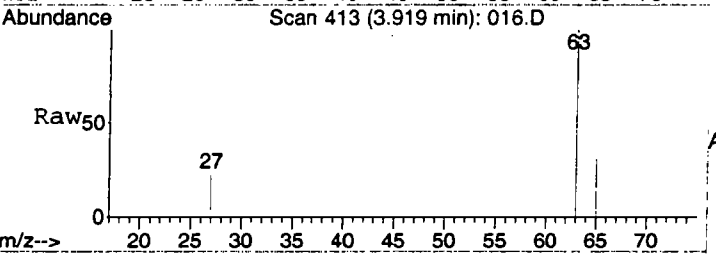
Tgt Ion: 63 Resp: 48265

Ion Ratio Lower Upper

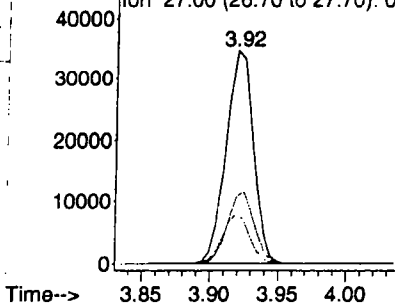
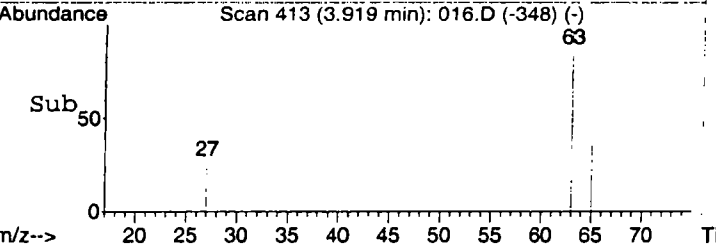
63 100

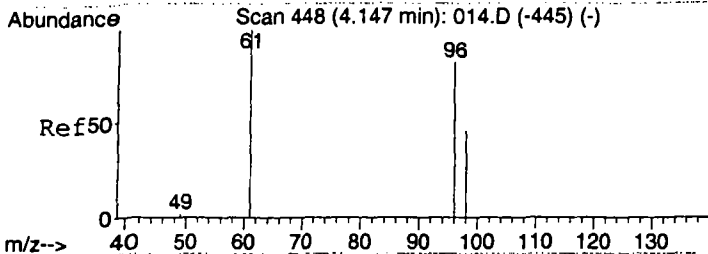
65 32.4 26.5 39.7

27 22.9 18.0 27.0

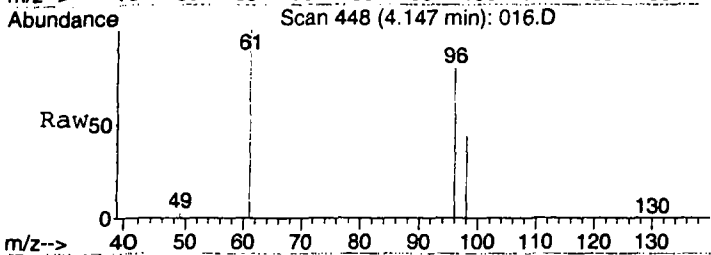


Abundance Ion 63.00 (62.70 to 63.70): 01
Ion 65.00 (64.70 to 65.70): 01
Ion 27.00 (26.70 to 27.70): 01

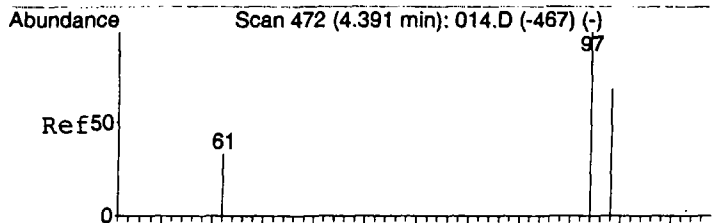
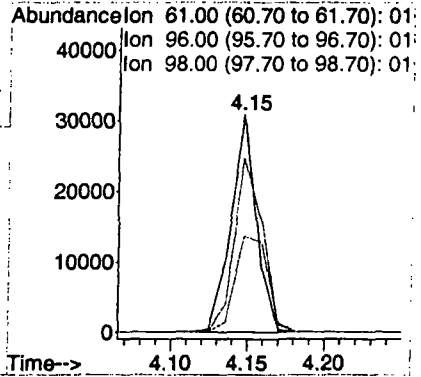
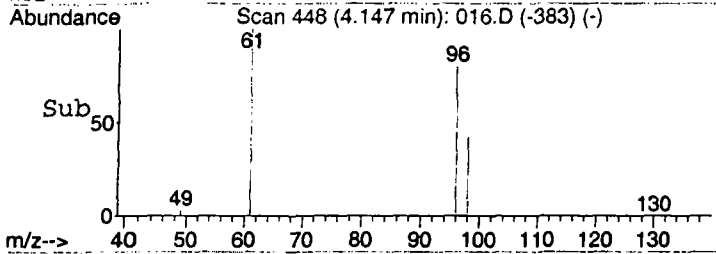




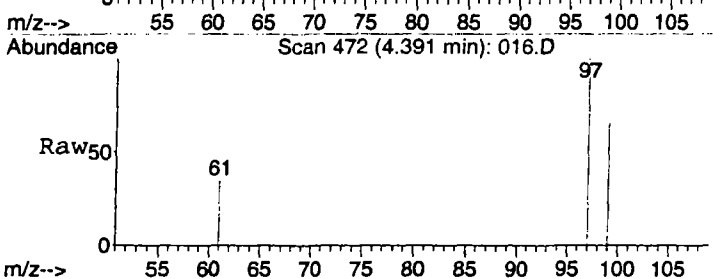
#7
 cis-1,2-Dichloroethene
 Concen: 395.87 ppbv m
 RT: 4.15 min Scan# 448
 Delta R.T. 0.00 min
 Lab File: 016.D
 Acq: 11 Dec 2007 11:30



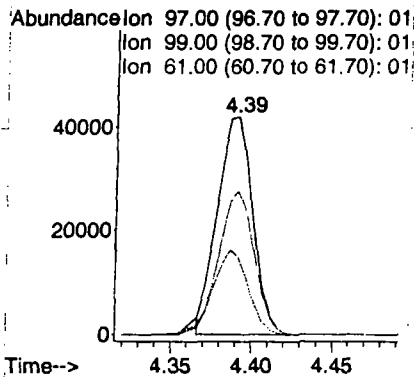
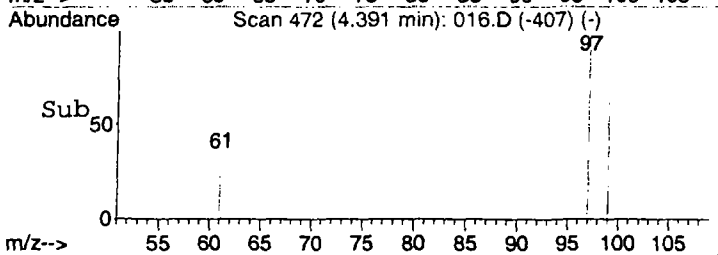
Tgt Ion: 61 Resp: 35480
 Ion Ratio Lower Upper
 61 100
 96 86.1 64.8 97.2
 98 54.6 49.8 74.8

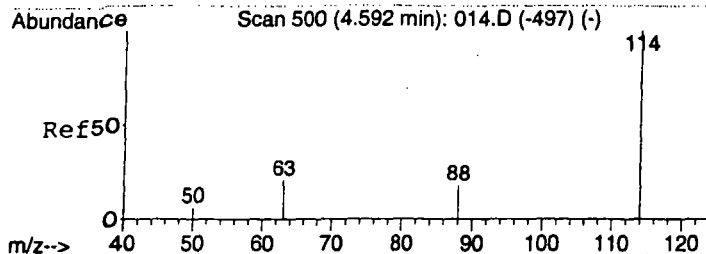


#8
 1,1,1-Trichloroethane
 Concen: 441.74 ppbv m
 RT: 4.39 min Scan# 472
 Delta R.T. 0.00 min
 Lab File: 016.D
 Acq: 11 Dec 2007 11:30



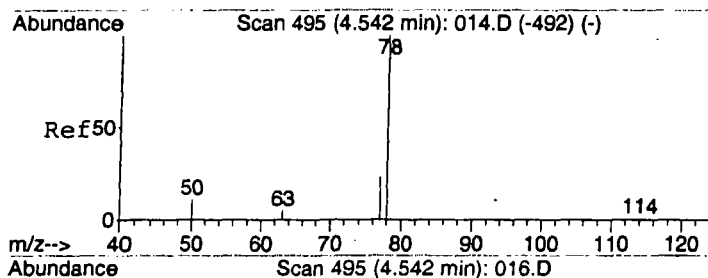
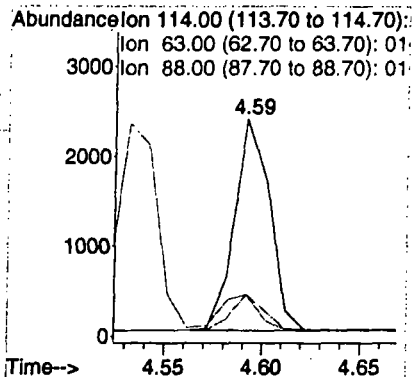
Tgt Ion: 97 Resp: 64060
 Ion Ratio Lower Upper
 97 100
 99 75.3 52.2 78.2
 61 46.4 34.6 51.8





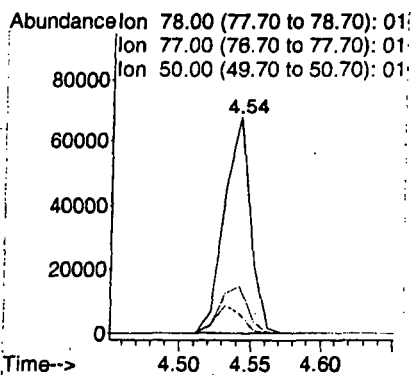
#9
1,4-Difluorobenzene
Concen: 10.00 ppbv m
RT: 4.59 min Scan# 500
Delta R.T. -0.01 min
Lab File: 016.D
Acq: 11 Dec 2007 11:30

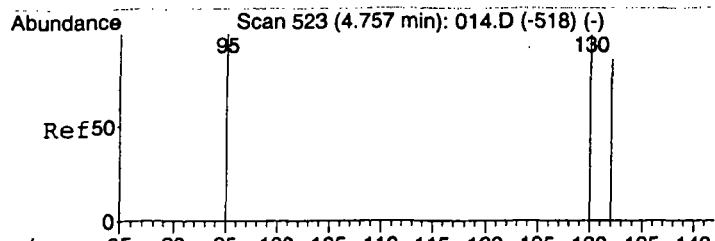
Tgt Ion	Ratio	Lower	Upper
114	100		
63	19.9	15.4	23.2
88	18.2	11.8	17.6



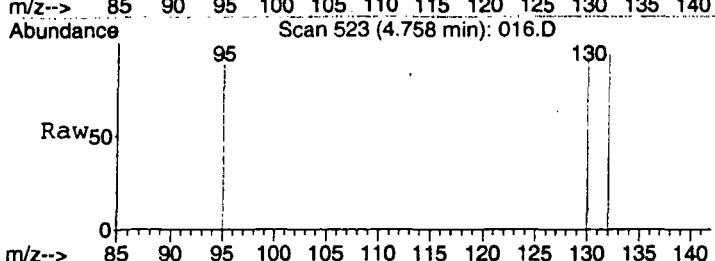
#10
Benzene
Concen: 398.44 ppbv m
RT: 4.54 min Scan# 495
Delta R.T. -0.01 min
Lab File: 016.D
Acq: 11 Dec 2007 11:30

Tgt Ion	Ratio	Lower	Upper
78	100		
77	22.7	20.5	30.7
50	12.7	15.9	23.9

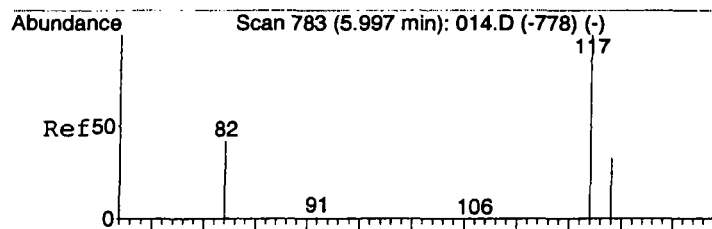
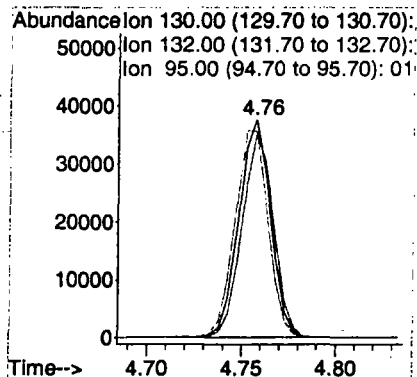
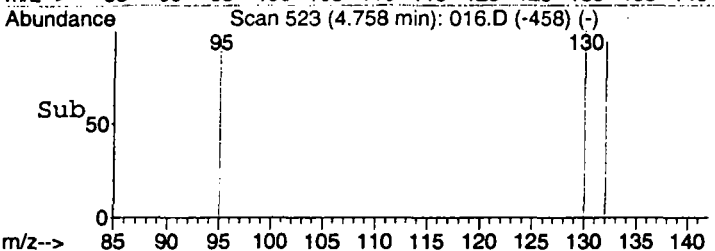




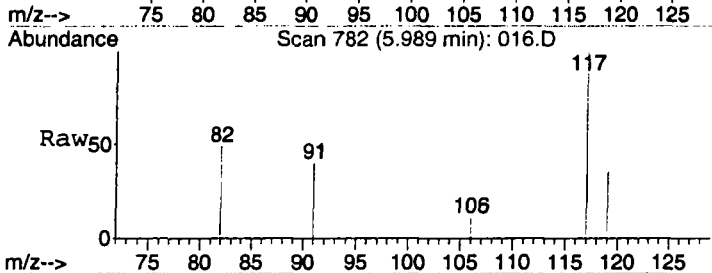
#11
Trichloroethene
Concen: 365.06 ppbv
RT: 4.76 min Scan# 523
Delta R.T. -0.01 min
Lab File: 016.D
Acq: 11 Dec 2007 11:30



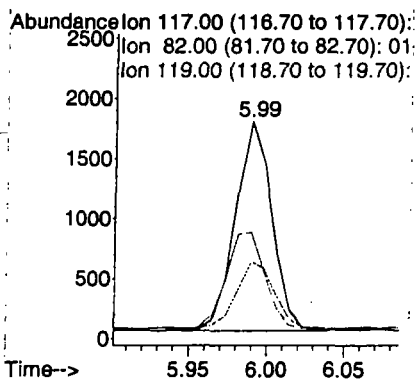
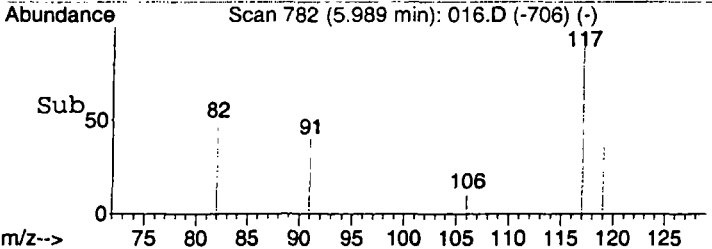
Tgt Ion:130 Resp: 44067
Ion Ratio Lower Upper
130 100
132 93.0 74.7 112.1
95 99.5 75.2 112.8

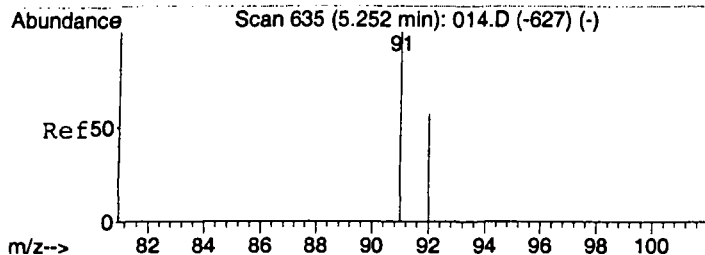


#12
Chlorobenzene-d5
Concen: 10.00 ppbv
RT: 5.99 min Scan# 782
Delta R.T. -0.02 min
Lab File: 016.D
Acq: 11 Dec 2007 11:30



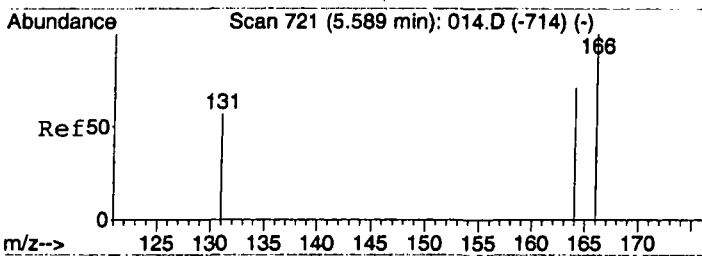
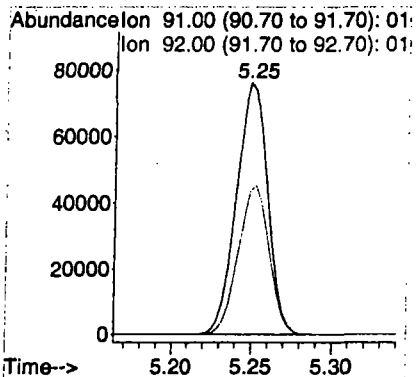
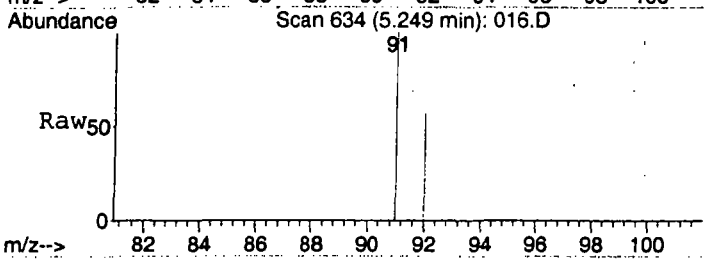
Tgt Ion:117 Resp: 2841
Ion Ratio Lower Upper
117 100
82 50.3 41.0 61.6
119 32.5 25.5 38.3





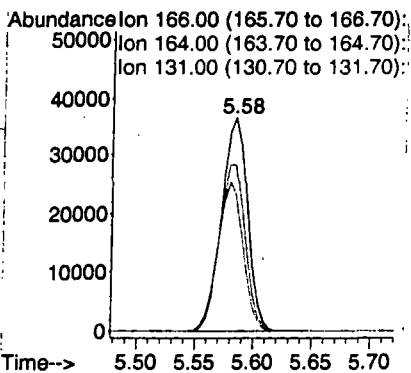
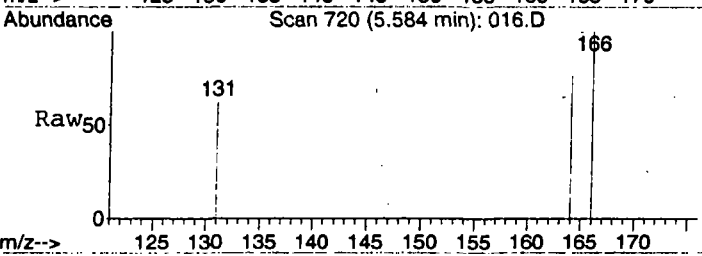
#13
Toluene
Concen: 361.75 ppbv
RT: 5.25 min Scan# 634
Delta R.T. -0.02 min
Lab File: 016.D
Acq: 11 Dec 2007 11:30

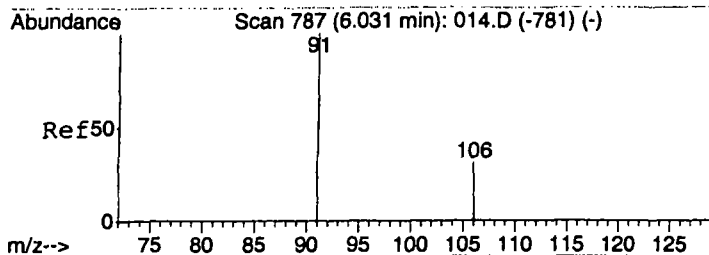
Tgt Ion: 91 Resp: 102398
Ion Ratio Lower Upper
91 100
92 59.1 46.9 70.3



#14
Tetrachloroethene
Concen: 434.10 ppbv
RT: 5.58 min Scan# 720
Delta R.T. -0.02 min
Lab File: 016.D
Acq: 11 Dec 2007 11:30

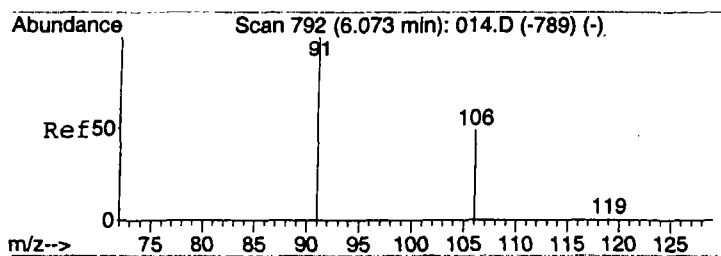
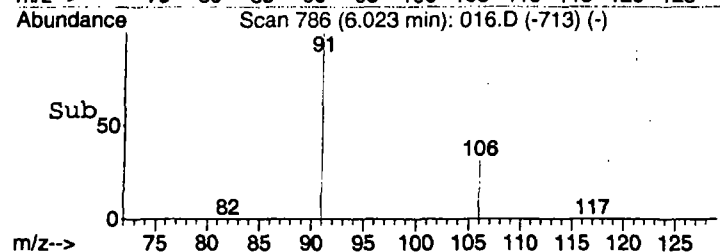
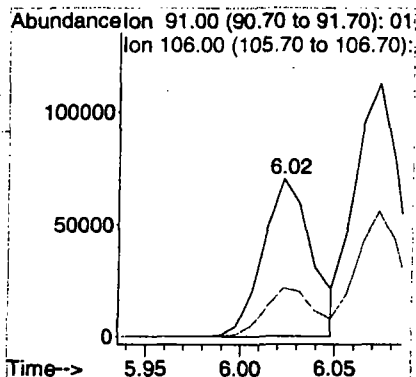
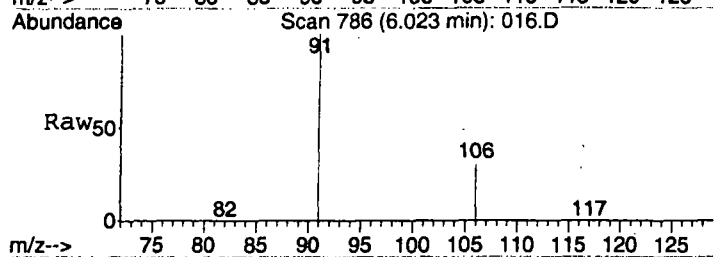
Tgt Ion: 166 Resp: 56443
Ion Ratio Lower Upper
166 100
164 78.2 62.8 94.2
131 68.4 56.9 85.3





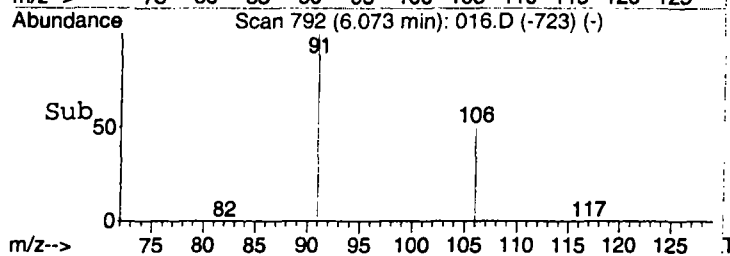
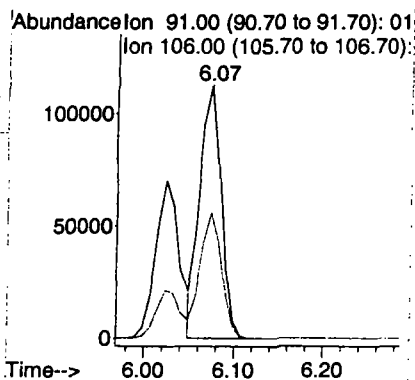
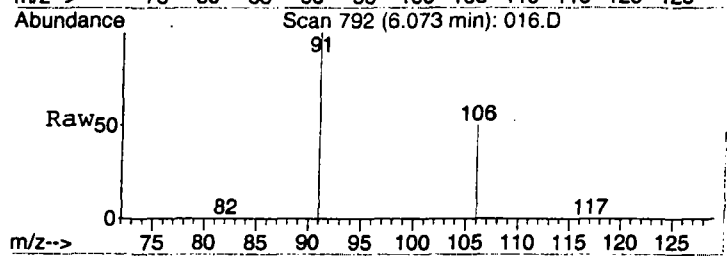
#15
Ethylbenzene
Concen: 500.97 ppbv
RT: 6.02 min Scan# 786
Delta R.T. -0.02 min
Lab File: 016.D
Acq: 11 Dec 2007 11:30

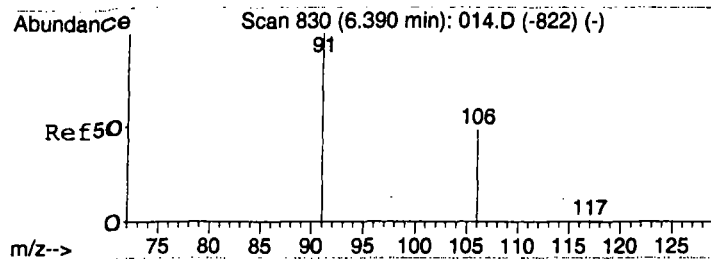
Tgt Ion: 91 Resp: 128572
Ion Ratio Lower Upper
91 100
106 31.3 22.5 33.7



#16
m&p-Xylenes
Concen: 500.32 ppbv
RT: 6.07 min Scan# 792
Delta R.T. -0.02 min
Lab File: 016.D
Acq: 11 Dec 2007 11:30

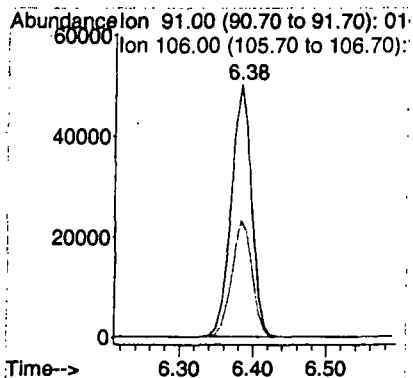
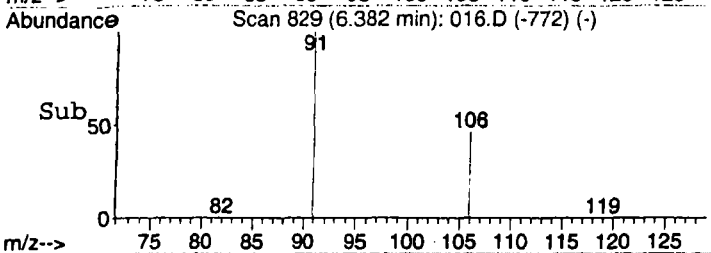
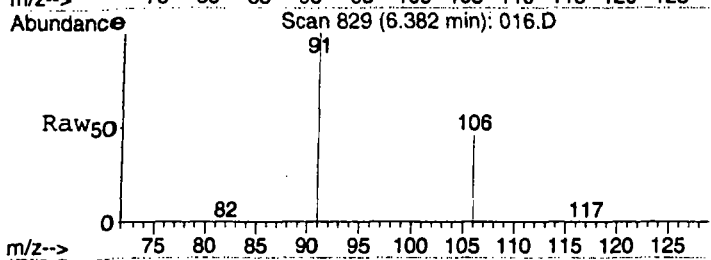
Tgt Ion: 91 Resp: 187767
Ion Ratio Lower Upper
91 100
106 49.7 36.4 54.6





#17
o-Xylene
Concen: 423.60 ppbv
RT: 6.38 min Scan# 829
Delta R.T. -0.02 min
Lab File: 016.D
Acq: 11 Dec 2007 11:30

Tgt Ion: 91 Resp: 97375
Ion Ratio Lower Upper
91 100
106 46.5 33.9 50.9



Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\2007\20071211\017.D Vial: 1
 Acq On : 11 Dec 2007 11:40 Operator: CWS
 Sample : 20071211STD-8\ 5.0 ppmv std Inst : Instrumen
 Misc : 5 mL\11 Dec 2007 Multiplr: 1.00
 MS Integration Params: rteint.p
 Quant Time: Dec 11 11:47:46 2007 Quant Results File: LOOP20071211.RES

Quant Method : C:\MSDCHEM\1...\LOOP20071211.M (RTE Integrator)

Title : VOC
 Last Update : Tue Dec 11 11:43:49 2007
 Response via : Initial Calibration
 DataAcq Meth : LOOPSIMI

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	4.26	49	701	10.00	ppbv	-0.01
9) 1,4-Difluorobenzene	4.59	114	2937m	10.00	ppbv	0.00
12) Chlorobenzene-d5	5.99	117	2811	10.00	ppbv	-0.03

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Vinyl Chloride	2.32	62	257989	4818.13	ppbv	98
3) 1,1-Dichloroethene	3.41	61	425459	4534.31	ppbv	88
4) Methyl tert-Butyl Ether (M	3.70	73	736827m	6424.77	ppbv	
5) trans-1,2-Dichloroethene	3.76	61	404291m	4225.27	ppbv	
6) 1,1-Dichloroethane	3.92	63	500245	4576.94	ppbv	99
7) cis-1,2-Dichloroethene	4.15	61	363542m	4226.54	ppbv	
8) 1,1,1-Trichloroethane	4.39	97	681831m	4807.01	ppbv	
10) Benzene	4.54	78	839313m	4044.06	ppbv	
11) Trichloroethene	4.76	130	451730	3957.12	ppbv	97
13) Toluene	5.25	91	1037124m	3919.76	ppbv	
14) Tetrachloroethene	5.58	166	566956	4526.30	ppbv	99
15) Ethylbenzene	6.02	91	1335829	5258.42	ppbv	90
16) m&p-Xylenes	6.07	91	1799496	9690.92	ppbv	89
17) o-Xylene	6.38	91	1012405	4591.49	ppbv	92

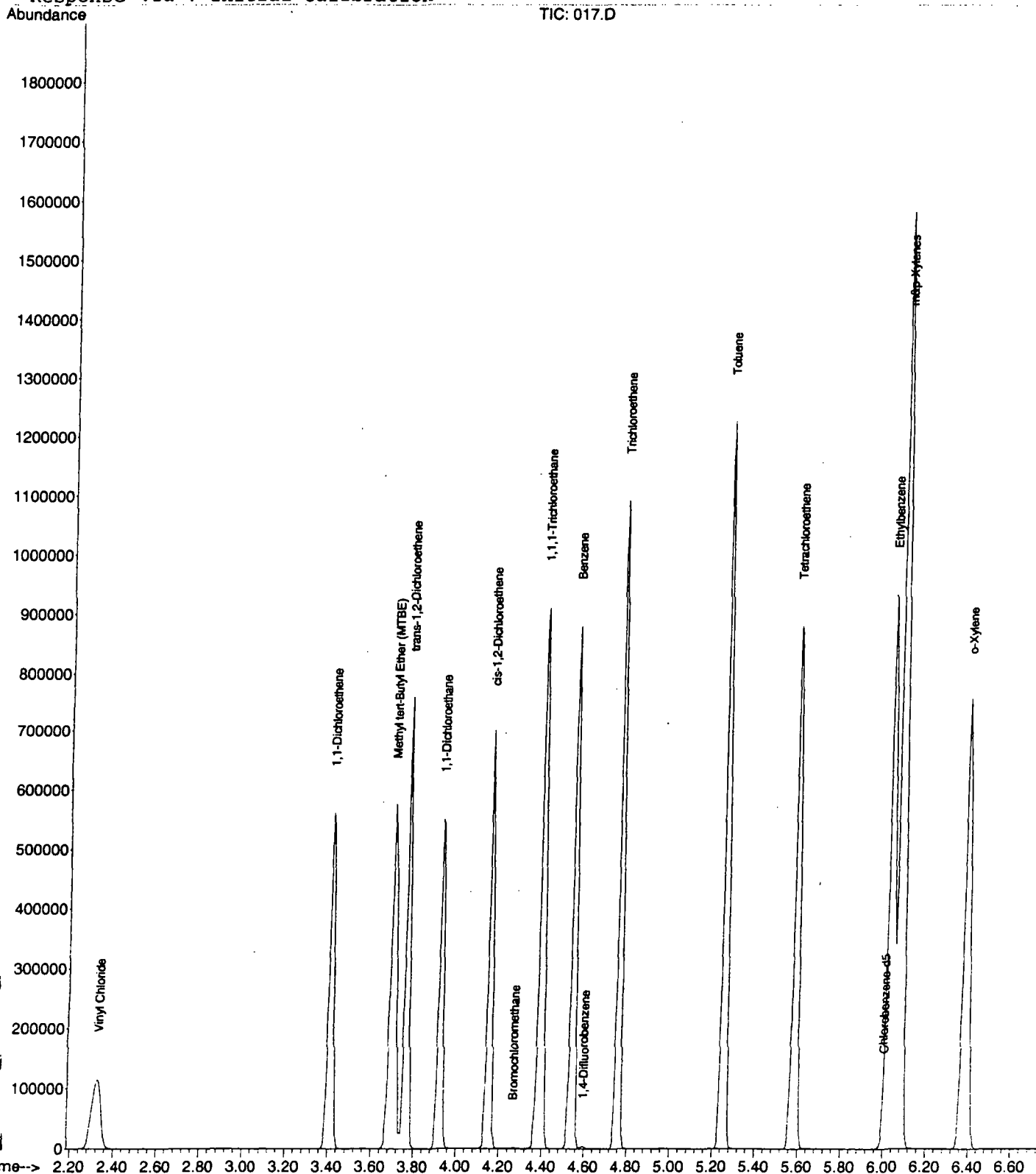
Quantitation Report (QT Reviewed)

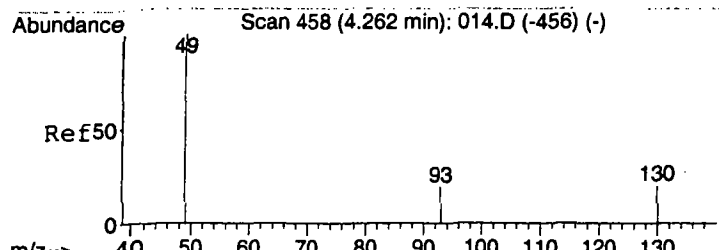
Data File : C:\MSDCHEM\1\DATA\2007\20071211\017.D
Acq On : 11 Dec 2007 11:40
Sample : 20071211STD-8\ 5.0 ppmv std
Misc : 5 mL\11 Dec 2007
MS Integration Params: rteint.p
Quant Time: Dec 11 11:50 2007

Vial: 1
Operator: CWS
Inst : Instrumen
Multiplr: 1.00

Quant Results File: LOOP20071211.RES

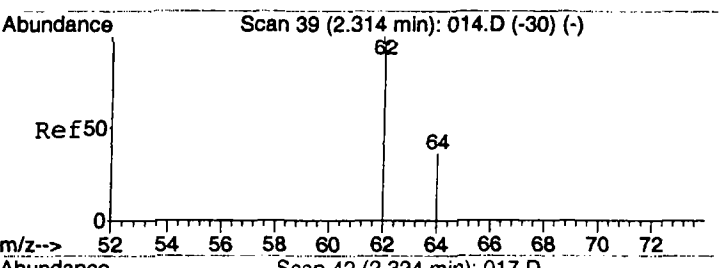
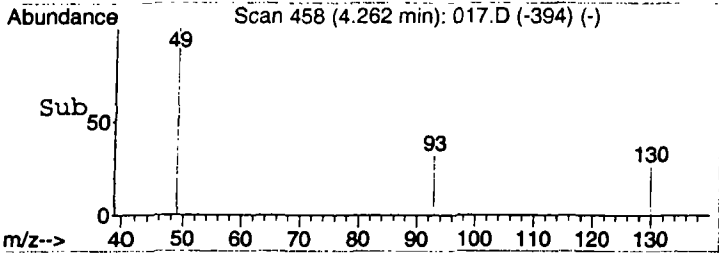
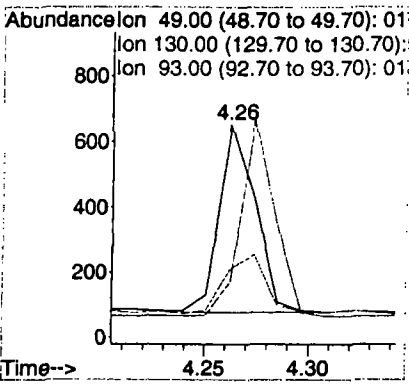
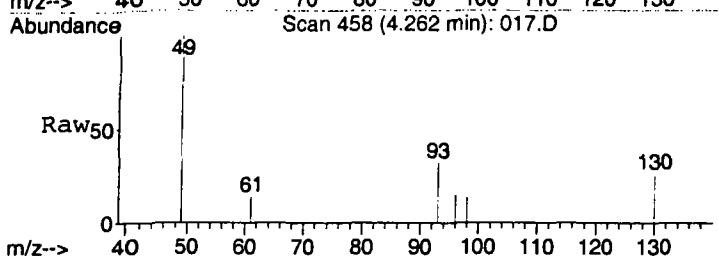
Method : C:\MSDCHEM\1\METHODS\LOOP20071212.M (RTE Integrator)
Title : VOC
Last Update : Tue Dec 18 13:43:01 2007
Response via : Initial Calibration





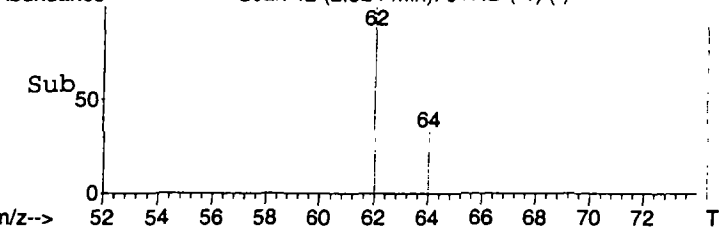
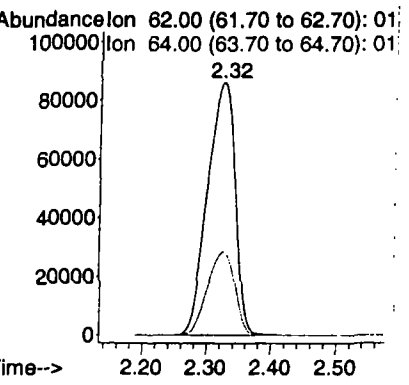
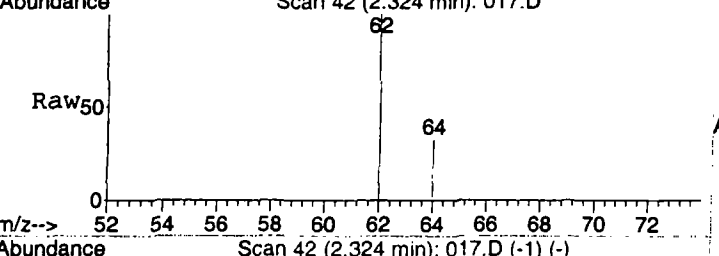
#1
 Bromochloromethane
 Concen: 10.00 ppbv
 RT: 4.26 min Scan# 458
 Delta R.T. -0.01 min
 Lab File: 017.D
 Acq: 11 Dec 2007 11:40

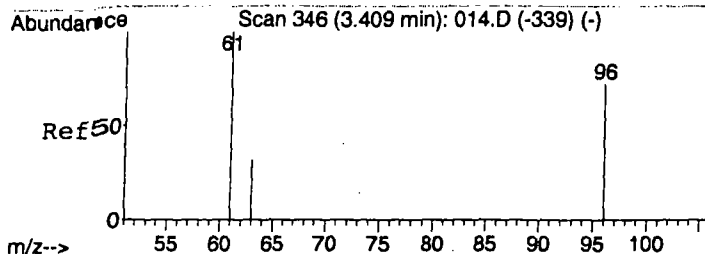
Tgt Ion:	49	Resp:	701
Ion Ratio	Lower	Upper	
49	100		
130	0.0	105.7	158.5#
93	40.7	24.4	36.6#



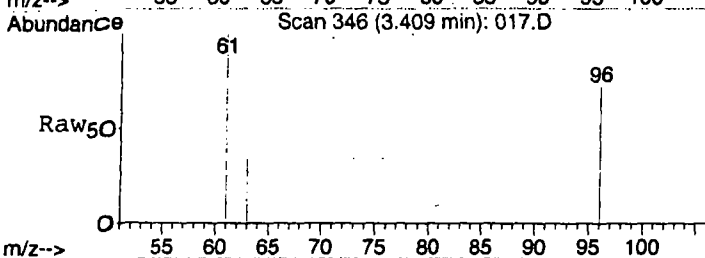
#2
 Vinyl Chloride
 Concen: 4818.13 ppbv
 RT: 2.32 min Scan# 42
 Delta R.T. 0.01 min
 Lab File: 017.D
 Acq: 11 Dec 2007 11:40

Tgt Ion:	62	Resp:	257989
Ion Ratio	Lower	Upper	
62	100		
64	32.8	25.5	38.3

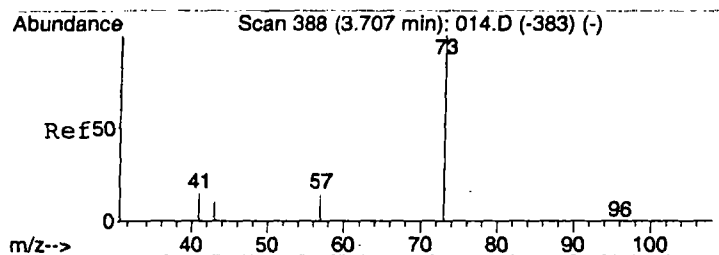
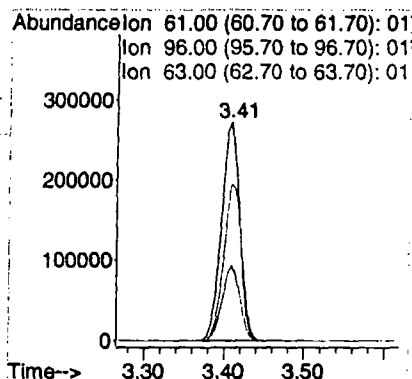
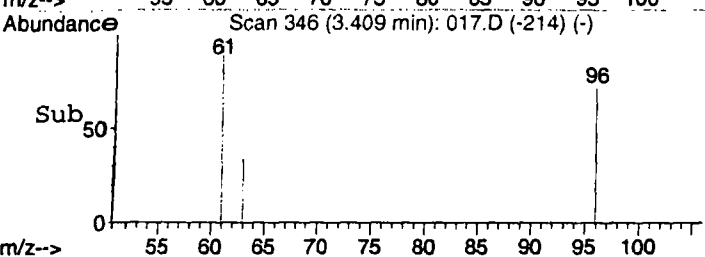




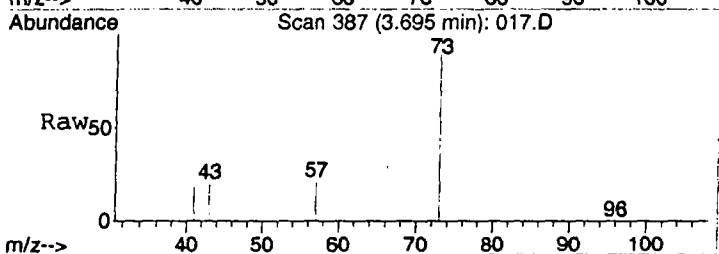
#3
1,1-Dichloroethene
Concen: 4534.31 ppbv
RT: 3.41 min Scan# 346
Delta R.T. -0.00 min
Lab File: 017.D
Acq: 11 Dec 2007 11:40



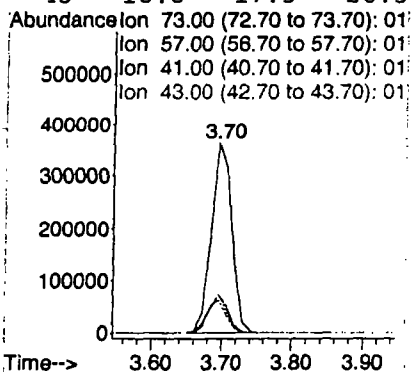
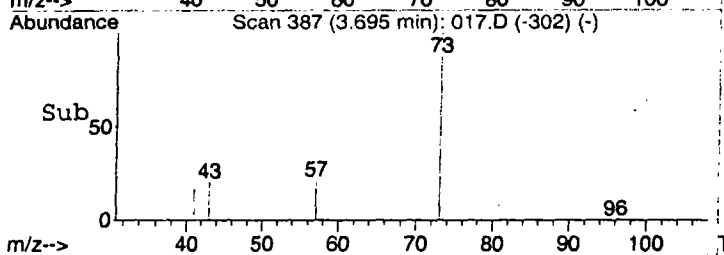
Tgt Ion: 61 Resp: 425459
Ion Ratio Lower Upper
61 100
96 71.6 48.4 72.6
63 33.7 24.4 36.6

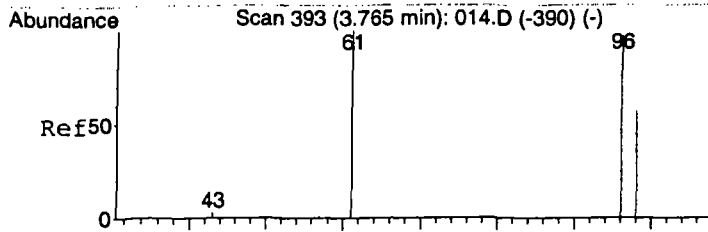


#4
Methyl tert-Butyl Ether (MTBE)
Concen: 6424.77 ppbv m
RT: 3.70 min Scan# 387
Delta R.T. -0.01 min
Lab File: 017.D
Acq: 11 Dec 2007 11:40

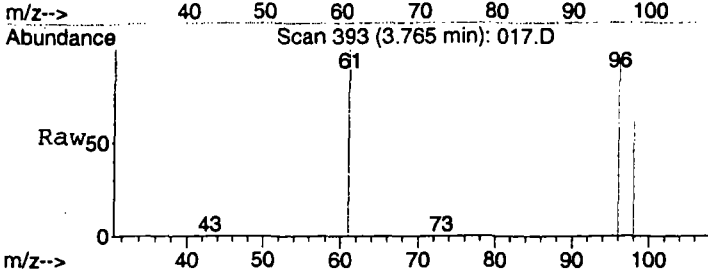


Tgt Ion: 73 Resp: 736827
Ion Ratio Lower Upper
73 100
57 19.4 19.1 28.7
41 16.7 16.5 24.7
43 18.8 17.5 26.3

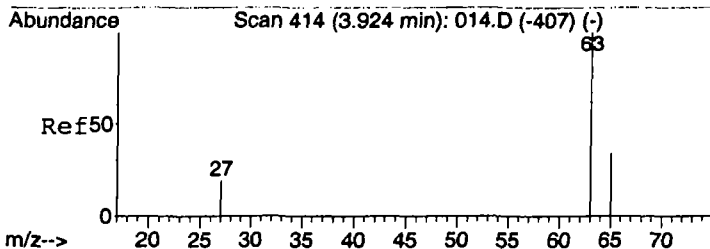
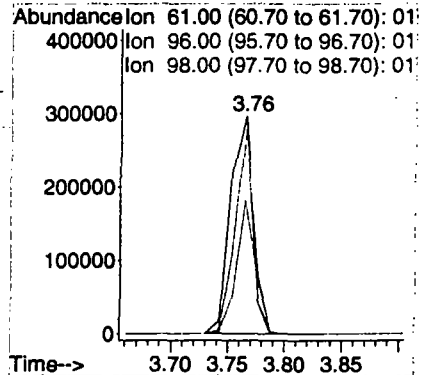
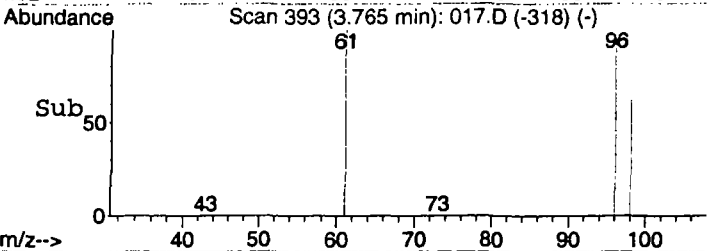




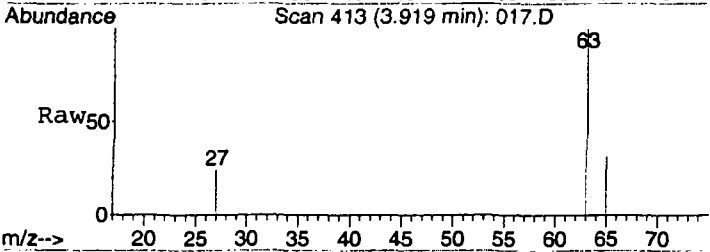
#5
trans-1,2-Dichloroethene
Concen: 4225.27 ppbv m
RT: 3.76 min Scan# 393
Delta R.T. -0.00 min
Lab File: 017.D
Acq: 11 Dec 2007 11:40



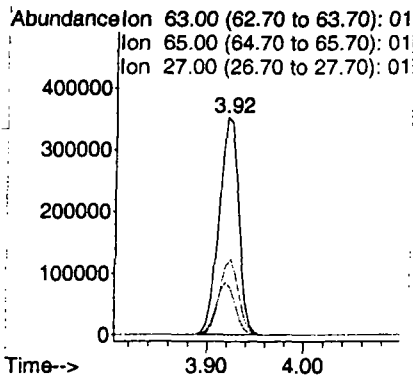
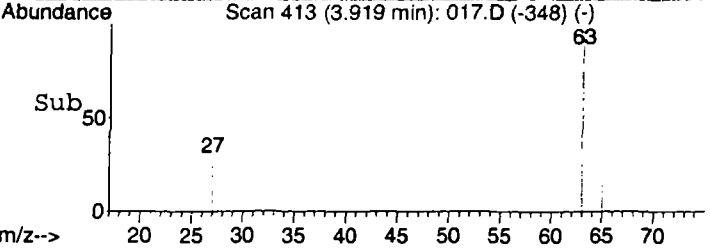
Tgt Ion: 61 Resp: 404291
Ion Ratio Lower Upper
61 100
96 78.7 56.8 85.2
98 51.2 42.1 63.1

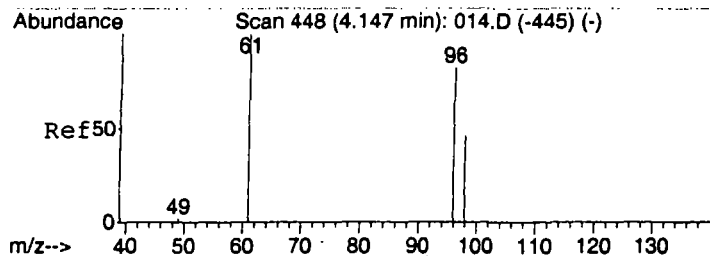


#6
1,1-Dichloroethane
Concen: 4576.94 ppbv
RT: 3.92 min Scan# 413
Delta R.T. -0.00 min
Lab File: 017.D
Acq: 11 Dec 2007 11:40



Tgt Ion: 63 Resp: 500245
Ion Ratio Lower Upper
63 100
65 33.7 26.5 39.7
27 23.3 18.0 27.0





#7

cis-1,2-Dichloroethene

Concen: 4226.54 ppbv m

RT: 4.15 min Scan# 448

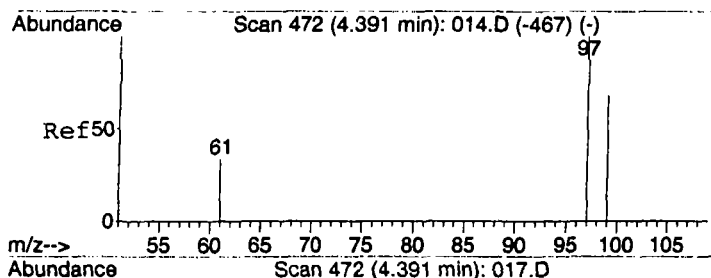
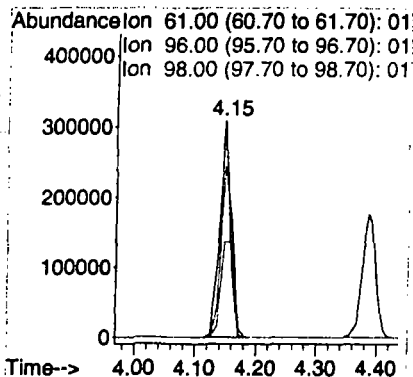
Delta R.T. 0.00 min

Lab File: 017.D

Acq: 11 Dec 2007 11:40

Tgt Ion: 61 Resp: 363542

Ion	Ratio	Lower	Upper
61	100		
96	89.1	64.8	97.2
98	57.8	49.8	74.8



#8

1,1,1-Trichloroethane

Concen: 4807.01 ppbv m

RT: 4.39 min Scan# 472

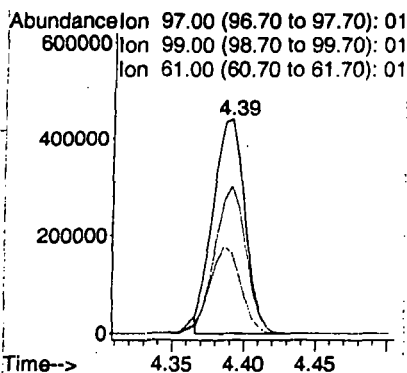
Delta R.T. -0.00 min

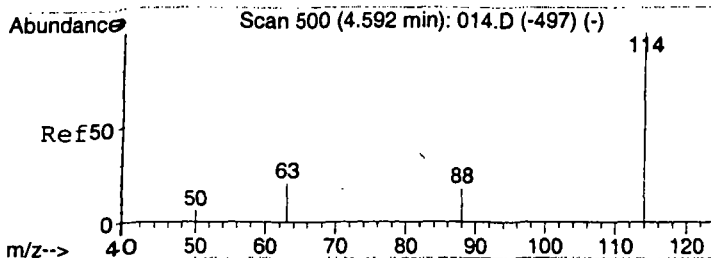
Lab File: 017.D

Acq: 11 Dec 2007 11:40

Tgt Ion: 97 Resp: 681831

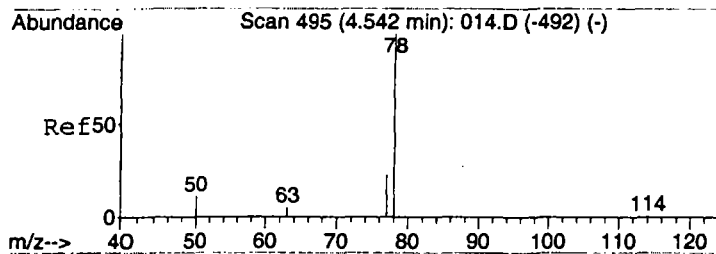
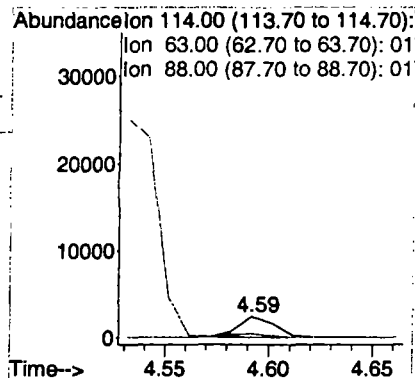
Ion	Ratio	Lower	Upper
97	100		
99	77.2	52.2	78.2
61	48.8	34.6	51.8





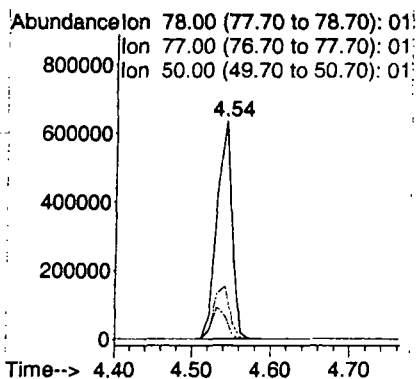
#9
1,4-Difluorobenzene
Concen: 10.00 ppbv m
RT: 4.59 min Scan# 500
Delta R.T. -0.01 min
Lab File: 017.D
Acq: 11 Dec 2007 11:40

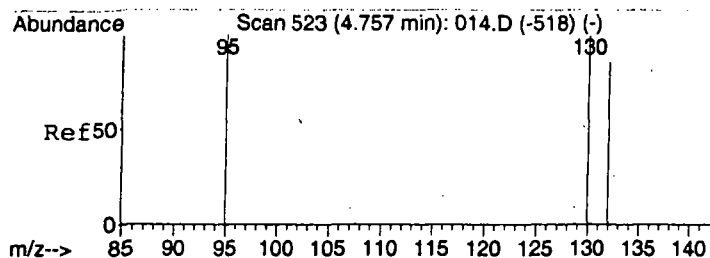
Tgt Ion: 114 Resp: 2937
Ion Ratio Lower Upper
114 100
63 0.0 15.4 23.2#
88 18.8 11.8 17.6#



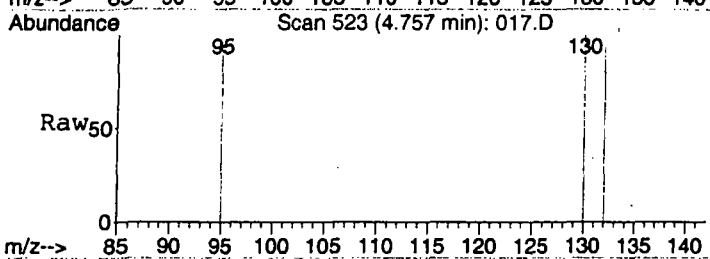
#10
Benzene
Concen: 4044.06 ppbv m
RT: 4.54 min Scan# 495
Delta R.T. -0.01 min
Lab File: 017.D
Acq: 11 Dec 2007 11:40

Tgt Ion: 78 Resp: 839313
Ion Ratio Lower Upper
78 100
77 24.3 20.5 30.7
50 13.9 15.9 23.9#

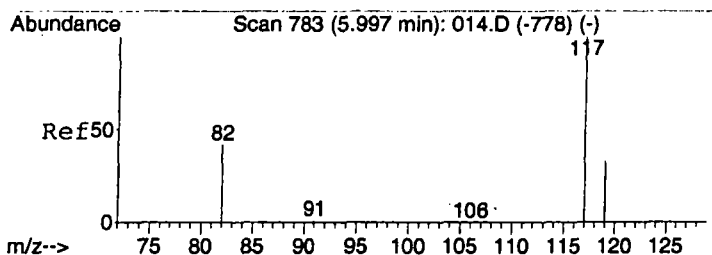
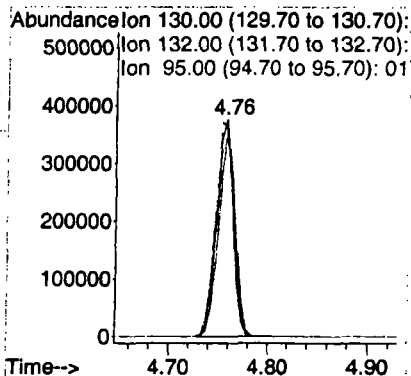
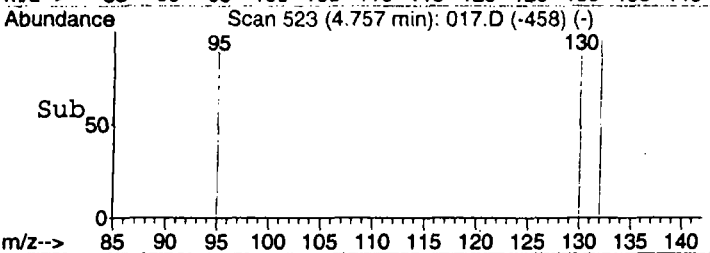




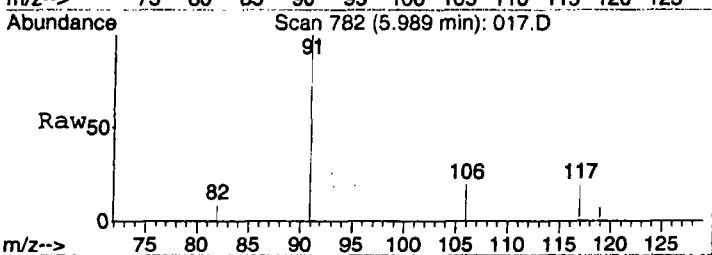
#11
 Trichloroethene
 Concen: 3957.12 ppbv
 RT: 4.76 min Scan# 523
 Delta R.T. -0.01 min
 Lab File: 017.D
 Acq: 11 Dec 2007 11:40



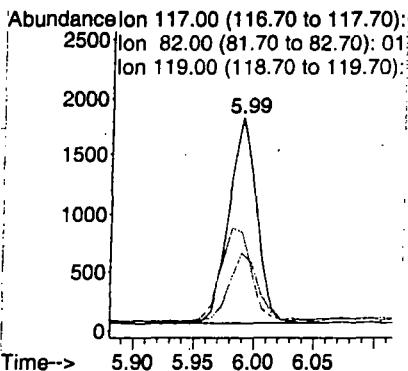
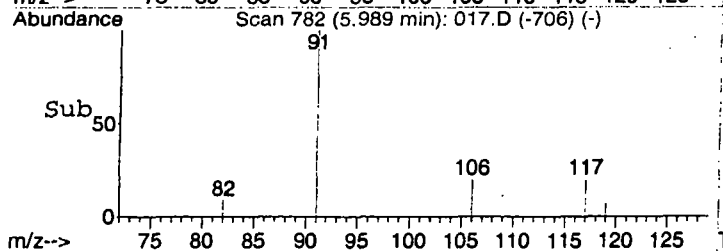
Tgt Ion:130 Resp: 451730
 Ion Ratio Lower Upper
 130 100
 132 93.2 74.7 112.1
 95 100.5 75.2 112.8

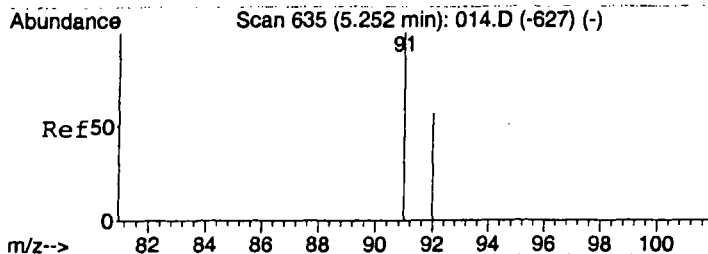


#12
 Chlorobenzene-d5
 Concen: 10.00 ppbv
 RT: 5.99 min Scan# 782
 Delta R.T. -0.03 min
 Lab File: 017.D
 Acq: 11 Dec 2007 11:40

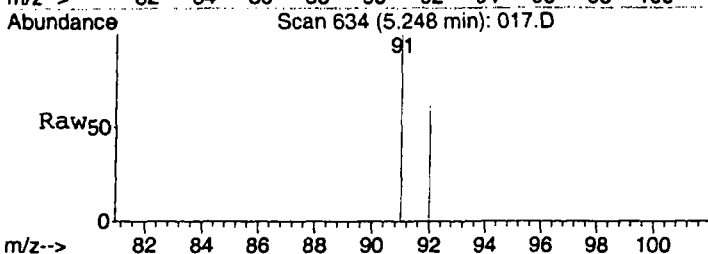


Tgt Ion:117 Resp: 2811
 Ion Ratio Lower Upper
 117 100
 82 50.8 41.0 61.6
 119 33.5 25.5 38.3



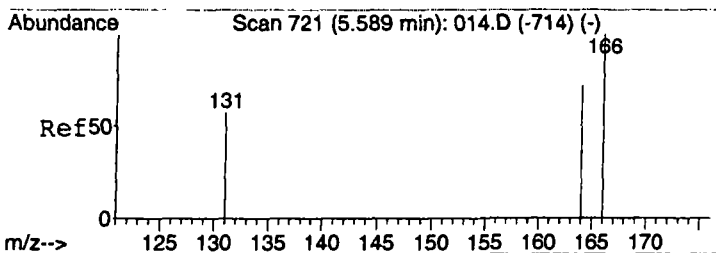
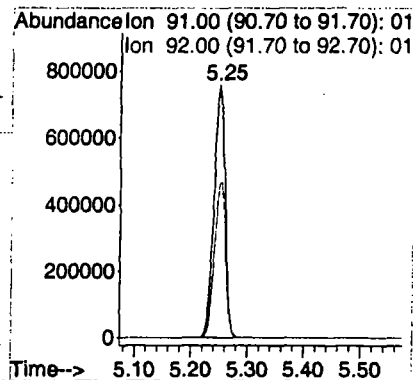
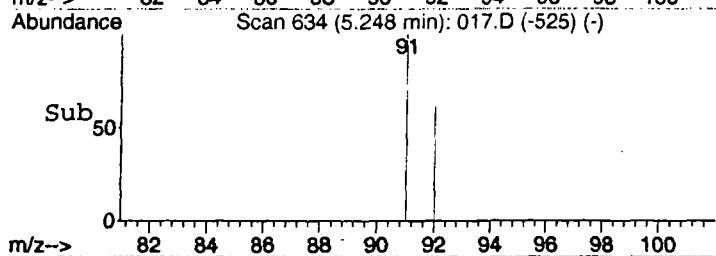


#13
Toluene
Concen: 3919.76 ppbv m
RT: 5.25 min Scan# 634
Delta R.T. -0.02 min
Lab File: 017.D
Acq: 11 Dec 2007 11:40

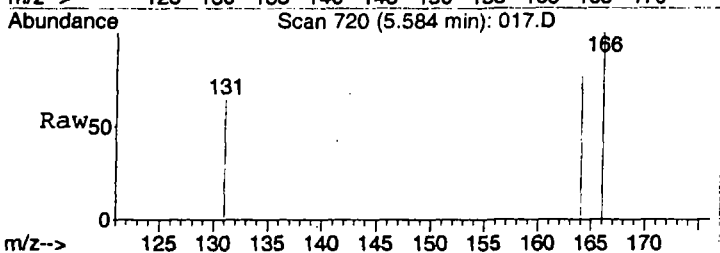


Tgt Ion: 91 Resp: 1037124

Ion	Ratio	Lower	Upper
91	100		
92	61.6	46.9	70.3

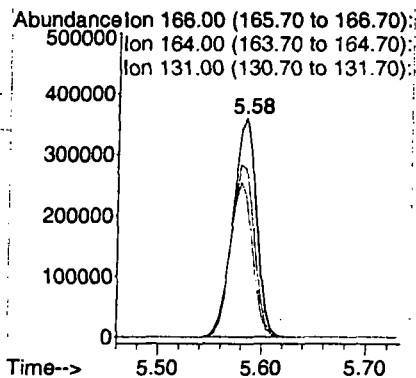
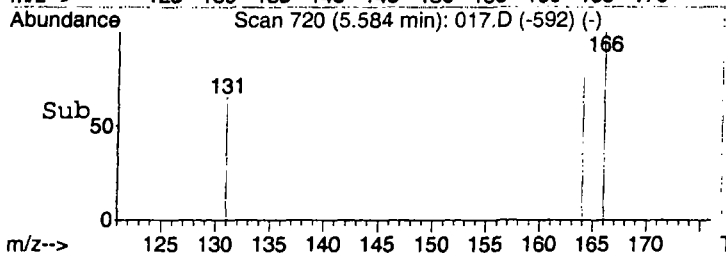


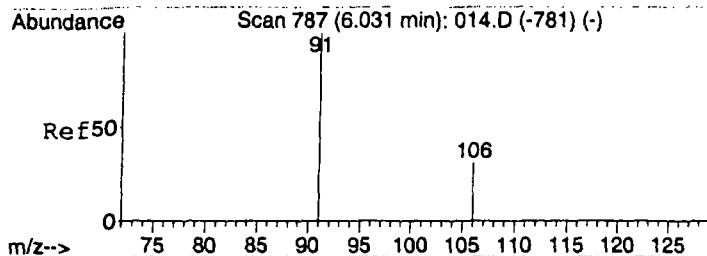
#14
Tetrachloroethene
Concen: 4526.30 ppbv
RT: 5.58 min Scan# 720
Delta R.T. -0.02 min
Lab File: 017.D
Acq: 11 Dec 2007 11:40



Tgt Ion: 166 Resp: 566956

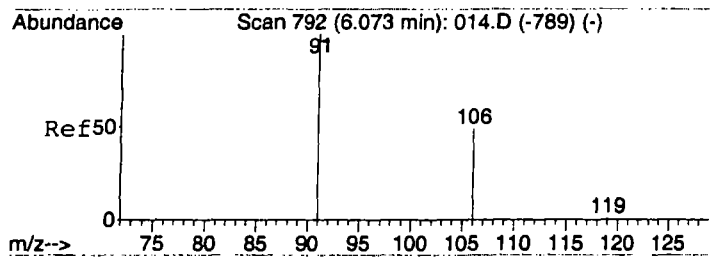
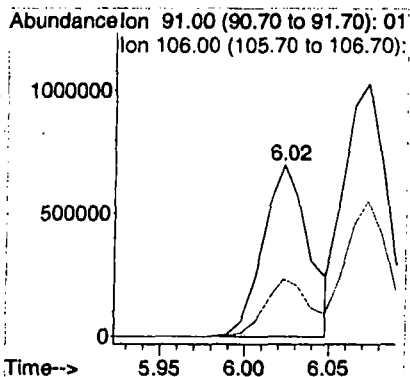
Ion	Ratio	Lower	Upper
166	100		
164	79.2	62.8	94.2
131	69.9	56.9	85.3





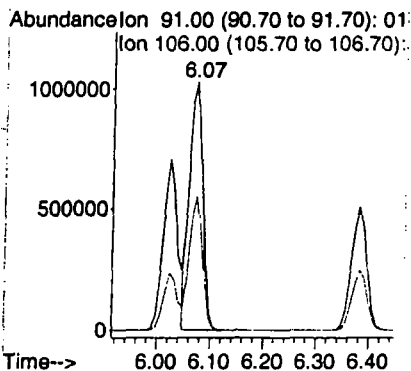
#15
Ethylbenzene
Concen: 5258.42 ppbv
RT: 6.02 min Scan# 786
Delta R.T. -0.03 min
Lab File: 017.D
Acq: 11 Dec 2007 11:40

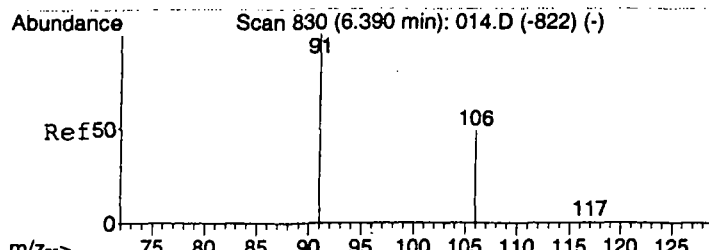
Tgt Ion: 91 Resp: 1335829
Ion Ratio Lower Upper
91 100
106 33.3 22.5 33.7



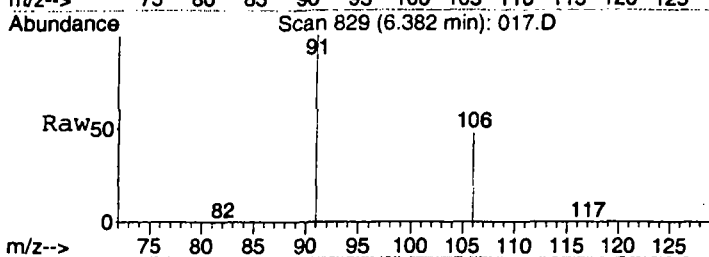
#16
m&p-Xylenes
Concen: 9690.92 ppbv
RT: 6.07 min Scan# 792
Delta R.T. -0.02 min
Lab File: 017.D
Acq: 11 Dec 2007 11:40

Tgt Ion: 91 Resp: 1799496
Ion Ratio Lower Upper
91 100
106 52.6 36.4 54.6

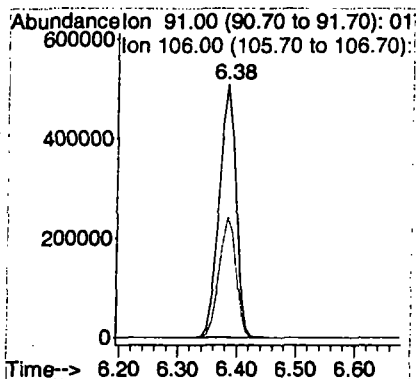
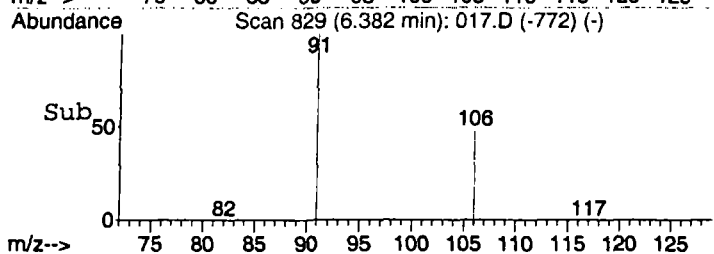




#17
o-Xylene
Concen: 4591.49 ppbv
RT: 6.38 min Scan# 829
Delta R.T. -0.03 min
Lab File: 017.D
Acq: 11 Dec 2007 11:40



Tgt Ion: 91 Resp: 1012405
Ion Ratio Lower Upper
91 100
106 47.7 33.9 50.9



12-11-07 (Cont)

4449	.033	5mL S#4449, Between Segs 3+4 @ 14:16
4449 Dup	.034	5mL S#4449, " " 3+4 @ 14:16 Dup
4451	.125	5mL S#4451, MG SG-1 @ 15:15
4452	.036	5mL S#4452, MG SG-2 @ 15:25
4453	.037	5mL S#4453, MG SG-3 @ 15:40
4454	.038	5mL S#4454, MG SG-4 @ 15:45
4457	.039	5mL S#4457, MG SG-7 @ 14:50 → 3rd I.S. swapped for rerun
4455	.040	5mL S#4455, MG SG-5 @ 16:30 → 3rd I.S. swapped and
4456	.041	5mL S#4456, MG SG-6 @ 16:40
4457 R	.042	(5) 5mL S#4457, MG SG-7 (1mL) @ 14:50
4456 R	.043	1mL (5X) S#4456, MG SG-6 @ 16:40

12-12-07, loop method, 5mL20071212

01 .001	5mL of BFB, 1 ppmv std	Failed 176 low (92.97%)
02 .002	5mL of BFB, 1 ppmv std	Failed 176 low 92.6
	retire	
03 .003	5mL of BFB, 1 ppmv std	OK
20071212 STD-1	0.5 ppmv std w/10 ppmv I.S.	stds
20071212 STD-2	1.0 ppmv std w/10 ppmv I.S.	BFB-ALM057539
20071212 STD-3	5.0 ppmv std w/10 ppmv I.S.	20 ppm - 256138
2007 20071212 STD-4	50 ppmv std w/10 ppmv I.S.	500 ppm - 256175
208 20071212 STD-5	500 ppmv std w/10 ppmv I.S.	loop 20071212
209 20071212 STD-6	510 ppmv std w/10 ppmv I.S.	I.S.-CC172915
210 20071212 MBK-1	method blank 5mL w/I.S.	N.G.
201 20071212 MBK-2	" " 5mL w/I.S.	OK
212 20071212 MBK-1	5mL Tedlar Bag Blank w/I.S.	
2013 20071212 4459	5mL, Ambient @ 12/12/07	
214 4458	5mL, MG SG-8 @ 9:15	
215 4460	5mL, MG SG-8 @ 10:15	
216 4461	5mL, MG SG-9 @ 10:30	
217 4462	5mL, MG SG-10 @ 11:50	
218 4463	5mL, MG SG-11 @ 12:10	
219 4468	5mL, MG SG-12 @ 13:45	
220 4467	5mL, MG SG-13 @ 14:00	

Continued on Page

Read and Understood By

Signed

Date

Signed

Date

on Shells12/12/07

PROJECT Mills Gap Rd #296Notebook No. 3
Continued From Page 2

8

12-12-07 (Cont)

.021	4469	5ml	MGSG 14 @ 14:45
.022	4469	5ml	MGSG 14 @ 14:45 (Dnp)
.023	4467	5ml	MGSG 13 @ 14:10 (Dnp)
.024	4464	5ml	MGSS 43 @ 14:40
.025	4465	5ml	MGSS 106 @ 16:20
.026	4470	5ml	MGSG 15 @ 15:55
.027	4471	5ml	MGSG 16 @ 16:05
.028	4472	5ml	MGSG 17 @ 16:30
.029	4473	5ml	MGSG 18 @ 16:45
.030	4466	5ml	MGSS 238 @ 17:18

Continued on Page

Read and Understood By

av. Huddle
Signed12/12/07
Date

Signed

Date

Response Factor Report Instrumen

Method : C:\MSDCHEM\1\METHODS\LOOP20071212.M (RTE Integrator)
Title : VOC
Last Update : Tue Jan 08 15:15:22 2008
Response via : Initial Calibration

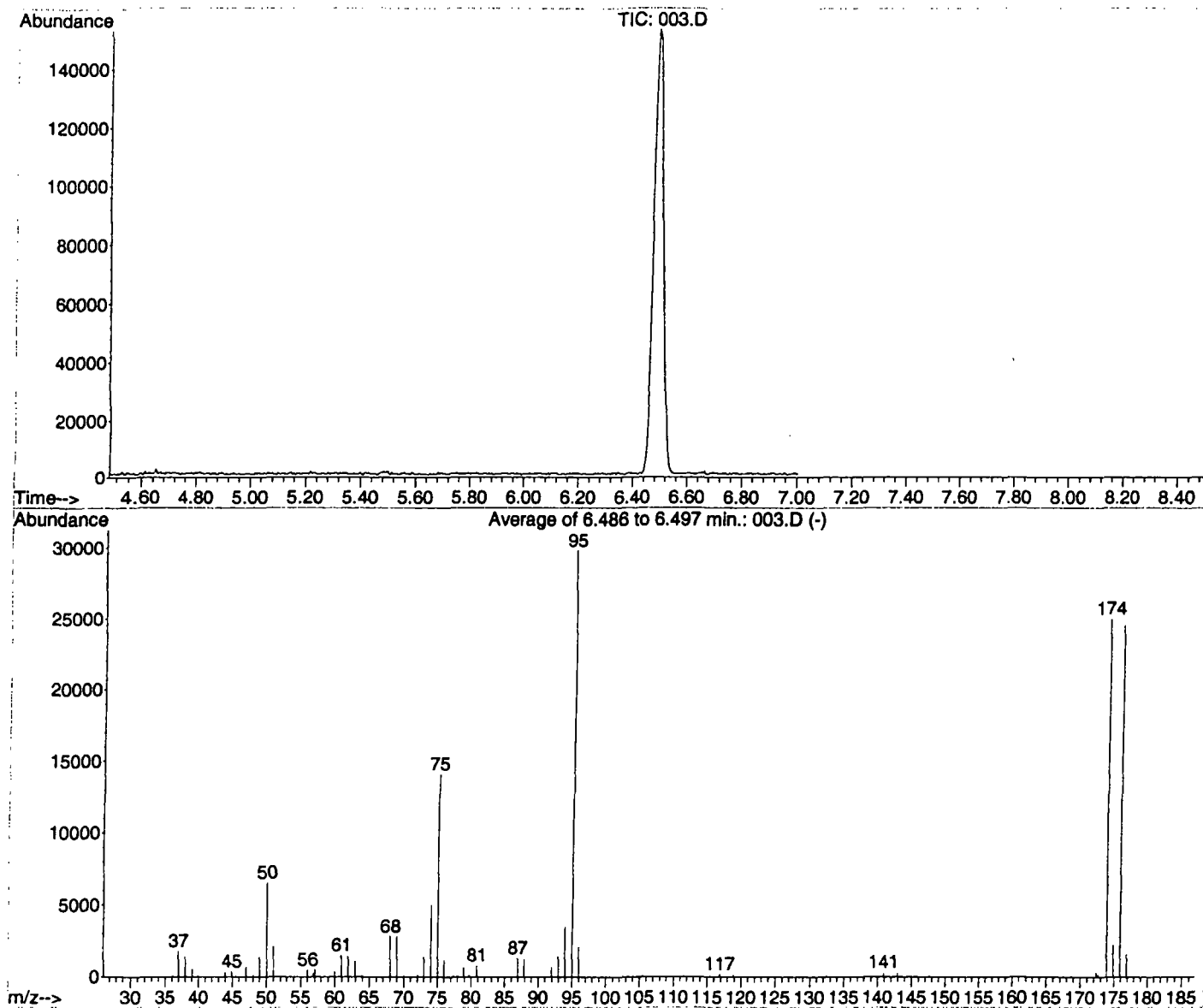
Calibration Files

0.5 =004.D 1 =005.D 5 =006.D
50 =007.D 500 =008.D 5000 =009.D

Compound	0.5	1	5	50	500	5000	Avg	%RSD
1) Bromochloromethane	-----ISTD-----							
2) Vinyl Chloride		0.690	0.486	0.573	0.570	0.571	0.578	12.58
3) 1,1-Dichloroeth	0.592	0.690	0.763	0.940	0.974	0.950	0.818	19.46
4) Methyl tert-But	1.023	0.960	0.763	0.937	1.162	1.406	1.042	21.17
5) trans-1,2-Dichl	0.557	0.730	0.711	0.903	0.871	0.817	0.765	16.59
6) 1,1-Dichloroeth	0.718	0.550	0.847	1.059	1.124	1.082	0.897	25.76
7) cis-1,2-Dichlor	0.790	0.510	0.622	0.810	0.871	0.817	0.737	18.91
8) 1,1,1-Trichloro	0.682	0.880	0.863	1.098	1.174	1.177	0.979	20.57
9) 1,4-Difluorobenzene	-----ISTD-----							
10) Benzene	0.700	0.562	0.603	0.676	0.758	0.661	0.660	10.61
11) Trichloroethene	0.550	0.422	0.330	0.334	0.369	0.336	0.390	21.95
12) Chlorobenzene-d5	-----ISTD-----							
13) Toluene	0.966	0.883	0.799	0.852	0.996	0.945	0.907	8.29
14) Tetrachloroethe	0.447	0.391	0.410	0.459	0.532	0.502	0.457	11.67
15) Ethylbenzene	0.983	0.905	0.879	1.029	1.222	1.197	1.036	14.00
16) m&p-Xylenes	0.706	0.551	0.606	0.700	0.958	0.858	0.730	20.95
17) o-Xylene	0.918	0.646	0.650	0.743	0.972	0.945	0.812	18.52

BFB

Data File : C:\MSDCHEM\1\DATA\2007\20071212\003.D Vial: 1
Acq On : 12 Dec 2007 7:05 Operator: CWS
Sample : 20071212BFB-3\ TUNE CHECK Inst : Instrumen
Misc : 5 mL\12 Dec 2007 Multiplr: 1.00
MS Integration Params: rteint.p
Method : C:\MSDCHEM\1\METHODS\LOOP20071211.M (RTE Integrator)
Title : VOC



AutoFind: Scans 462, 463, 464; Background Corrected with Scan 450

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
50	95	15	40	21.9	6537	PASS
75	95	30	60	47.3	14108	PASS
95	95	100	100	100.0	29797	PASS
96	95	5	9	7.0	2076	PASS
173	174	0.00	2	0.6	141	PASS
174	95	50	100	84.0	25026	PASS
175	174	5	9	8.8	2214	PASS
176	174	95	101	98.0	24528	PASS
177	176	5	9	6.3	1548	PASS

GC/MS QA-QC Check Report

Tune File : C:\MSDCHEM\1\DATA\2007\20071212\003.D

Tune Time : 12 Dec 2007 7:05

Daily Calibration File : C:\MSDCHEM\1\DATA\2007\20071212\004.D

File	Sample	Surrogate Recovery %	Internal Standard Responses	
			1114	2399 2463
005.D	20071212	1000	2226	2276
006.D	20071212	1041	2217	2096
007.D	20071212	947	2240	2094
008.D	20071212	1032	2343	2167
009.D	20071212	1083	2579	2265
011.D	20071212	910	2152	1963
012.D	20071212	871	2113	1942
013.D	4459	874	2104	1953
014.D	4458	869	2120	1886
015.D	4460	837	2047	1851
016.D	4461	885	2072	2000
017.D	4462	882	2176	1941
018.D	4463	852	2021	1900
019.D	4468	862	2155	1902
020.D	4467	807	1987	1830
021.D	4469	828	2000	1821
022.D	4469	852	1991	1823
023.D	4467	812	2016	1776
024.D	4464	816	2008	1821
025.D	4465	809	1903	1686
026.D	4470	840	1954	1749
027.D	4471	829	1976	1838
028.D	4472	754	1847	1711
029.D	4473	1328	2331	1790
030.D	4466	796	1842	1603

t - fails 24hr time check * - fails criteria

Created: Tue Jan 08 16:31:39 2008 Instrumen

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\2007\20071212\004.D Vial: 1
 Acq On : 12 Dec 2007 7:20 Operator: CWS
 Sample : 20071212STD-1\ 0.5 PPBV STD Inst : Instrumen
 Misc : 5 mL\12 Dec 2007 Multiplr: 1.00
 MS Integration Params: rteint.p
 Quant Time: Dec 12 07:27:39 2007 Quant Results File: LOOP20071211.RES

Quant Method : C:\MSDCHEM\1...\LOOP20071211.M (RTE Integrator)

Title : VOC
 Last Update : Tue Dec 11 11:52:00 2007
 Response via : Initial Calibration
 DataAcq Meth : LOOPSIMI

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	4.26	49	1114	10.00	ppbv	-0.01
9) 1,4-Difluorobenzene	4.59	114	2399m	10.00	ppbv	0.00
12) Chlorobenzene-d5	6.00	117	2463	10.00	ppbv	-0.02
Target Compounds						
3) 1,1-Dichloroethene	3.41	61	33m	0.22	ppbv	Qvalue 46
4) Methyl tert-Butyl Ether (M	3.71	73	57m	0.30	ppbv	
5) trans-1,2-Dichloroethene	3.77	61	31m	0.21	ppbv	
6) 1,1-Dichloroethane	3.92	63	40	0.23	ppbv #	
7) cis-1,2-Dichloroethene	4.15	61	44m	0.33	ppbv	99
8) 1,1,1-Trichloroethane	4.39	97	38m	0.17	ppbv	
10) Benzene	4.54	78	84m	0.51	ppbv	
11) Trichloroethene	4.76	130	66m	0.73	ppbv	
13) Toluene	5.25	91	119	0.53	ppbv	12
14) Tetrachloroethene	5.58	166	55	0.51	ppbv #	
15) Ethylbenzene	6.02	91	121	0.54	ppbv #	
16) m&p-Xylenes	6.07	91	174	1.07	ppbv	
17) o-Xylene	6.38	91	113m	0.59	ppbv	95

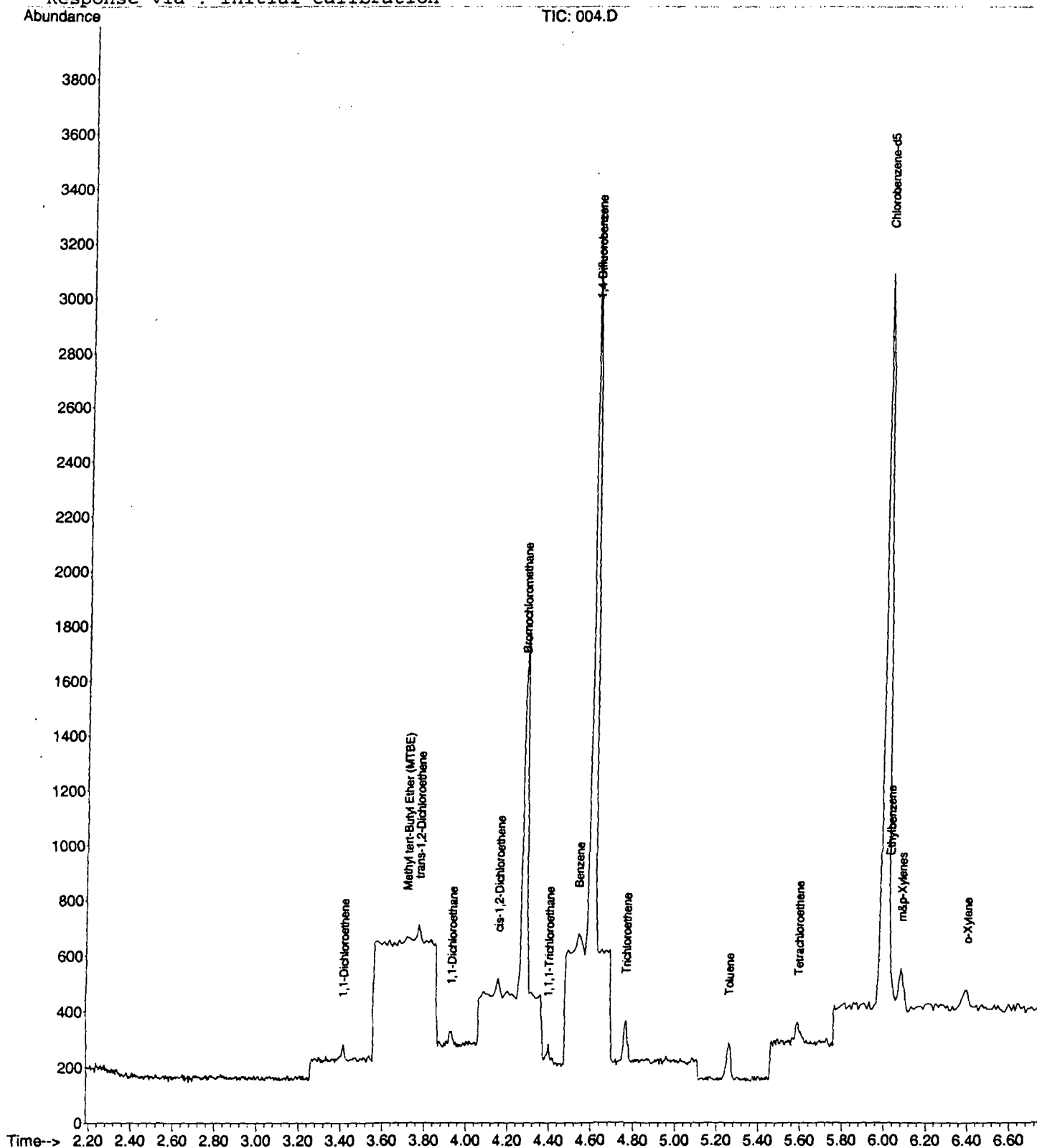
Quantitation Report (QT Reviewed)

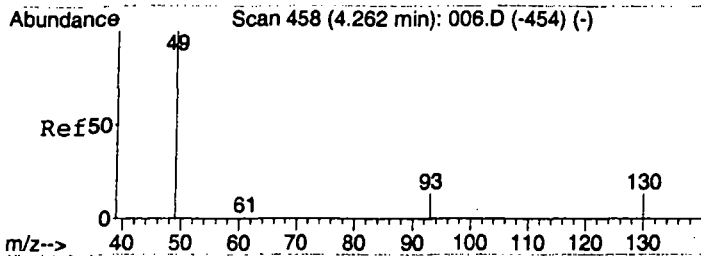
Data File : C:\MSDCHEM\1\DATA\2007\20071212\004.D
 Acq On : 12 Dec 2007 7:20
 Sample : 20071212STD-1\ 0.5 PPBV STD
 Misc : 5 mL\12 Dec 2007
 MS Integration Params: rteint.p
 Quant Time: Jan 8 15:12 2008

Vial: 1
 Operator: CWS
 Inst : Instrumen
 Multiplr: 1.00

Quant Results File: LOOP20071211.RES

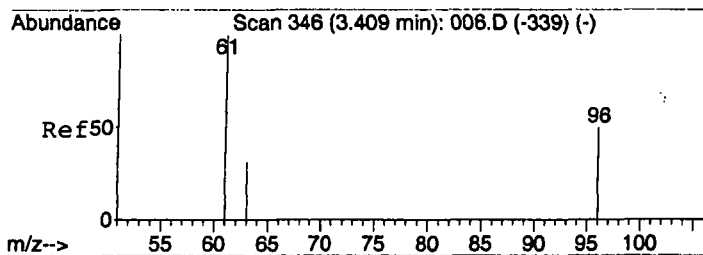
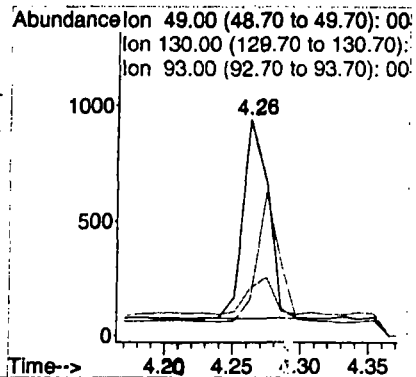
Method : C:\MSDCHEM\1\METHODS\LOOP20071212.M (RTE Integrator)
 Title : VOC
 Last Update : Tue Jan 08 15:15:22 2008
 Response via : Initial Calibration





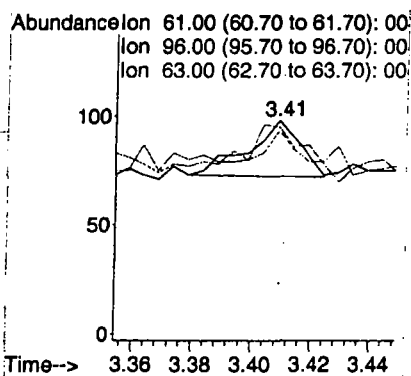
#1
Bromochloromethane
Concen: 10.00 ppbv
RT: 4.26 min Scan# 458
Delta R.T. -0.01 min
Lab File: 004.D
Acq: 12 Dec 2007 7:20

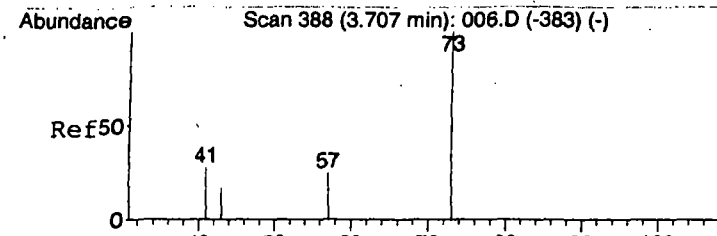
Tgt Ion	Ratio	Lower	Upper
49	100		
130	91.5	105.7	158.5#
93	74.2	24.4	36.6#



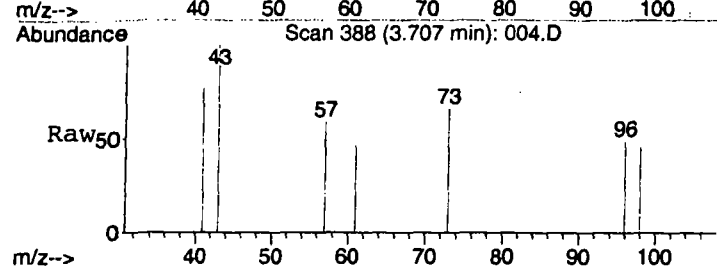
#3
1,1-Dichloroethene
Concen: 0.22 ppbv m
RT: 3.41 min Scan# 346
Delta R.T. -0.00 min
Lab File: 004.D
Acq: 12 Dec 2007 7:20

Tgt Ion	Ratio	Lower	Upper
61	100		
96	318.2	48.4	72.6#
63	442.4	24.4	36.6#

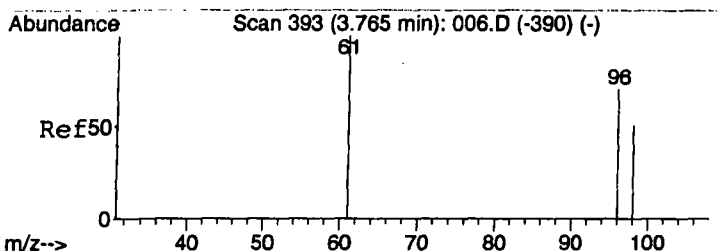
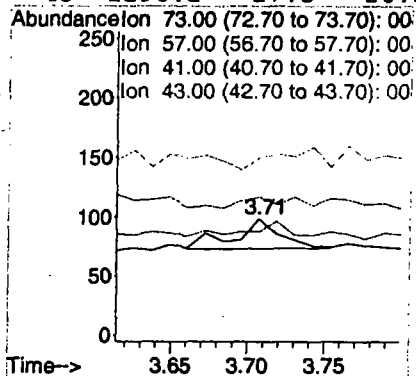
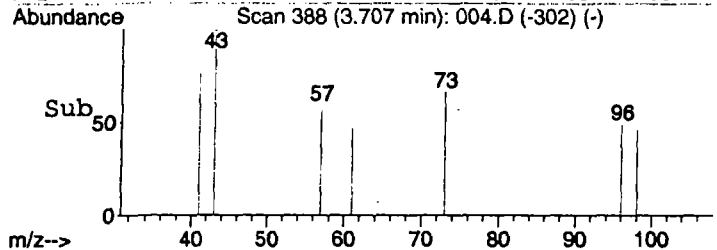




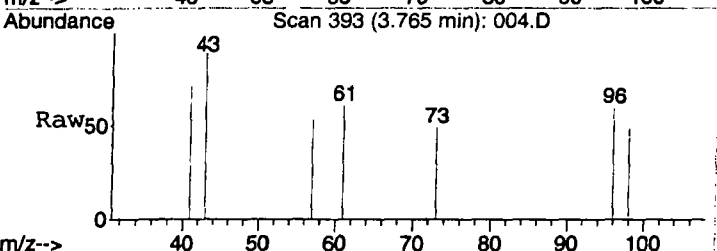
#4
Methyl tert-Butyl Ether (MTBE)
Concen: 0.30 ppbv m
RT: 3.71 min Scan# 388
Delta R.T. -0.00 min
Lab File: 004.D
Acq: 12 Dec 2007 7:20



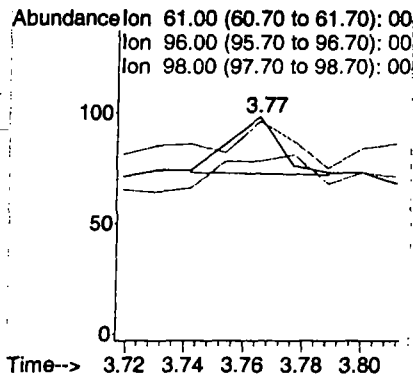
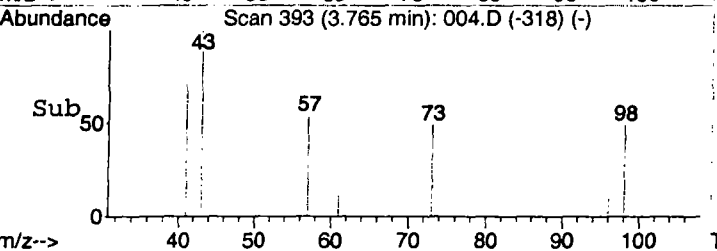
Tgt Ion: 73 Resp: 57
Ion Ratio Lower Upper
73 100
57 410.5 19.1 28.7#
41 1512.3 16.5 24.7#
43 1298.2 17.5 26.3#

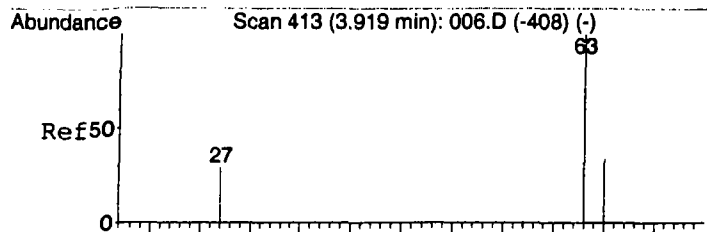


#5
trans-1,2-Dichloroethene
Concen: 0.21 ppbv m
RT: 3.77 min Scan# 393
Delta R.T. -0.00 min
Lab File: 004.D
Acq: 12 Dec 2007 7:20

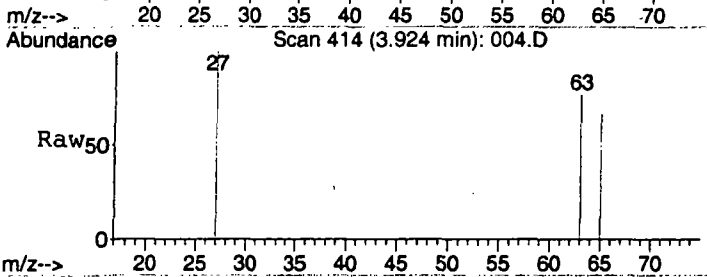


Tgt Ion: 61 Resp: 31
Ion Ratio Lower Upper
61 100
96 1074.2 56.8 85.2#
98 748.4 42.1 63.1#

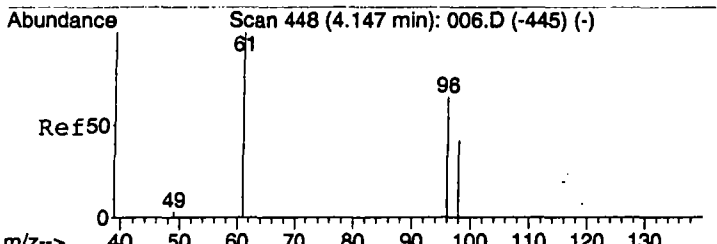
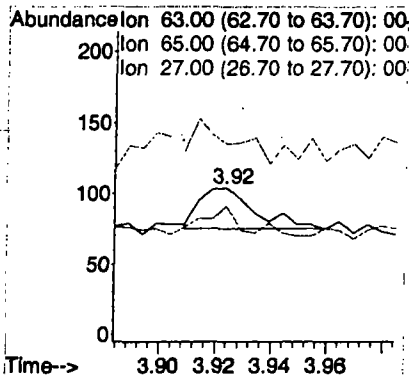
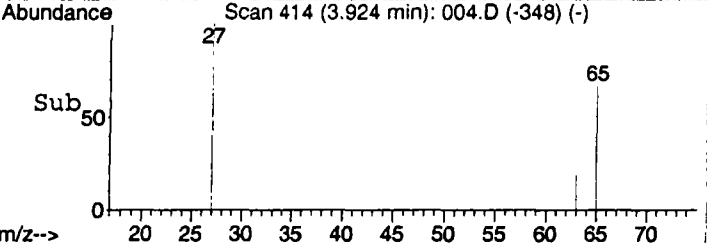




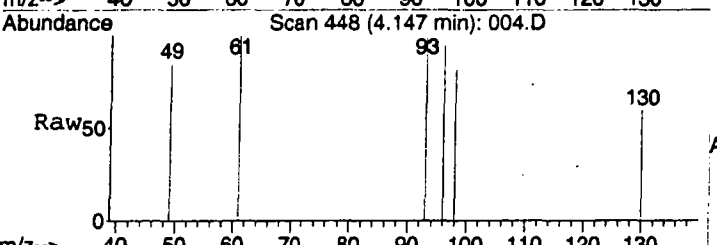
#6
1,1-Dichloroethane
Concen: 0.23 ppbv
RT: 3.92 min Scan# 414
Delta R.T. 0.01 min
Lab File: 004.D
Acq: 12 Dec 2007 7:20



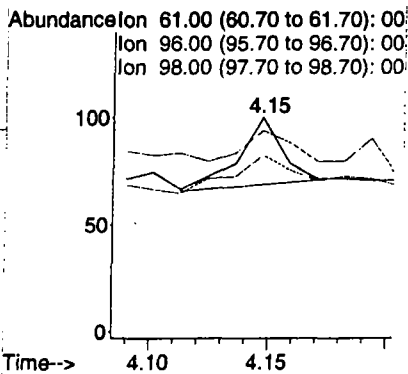
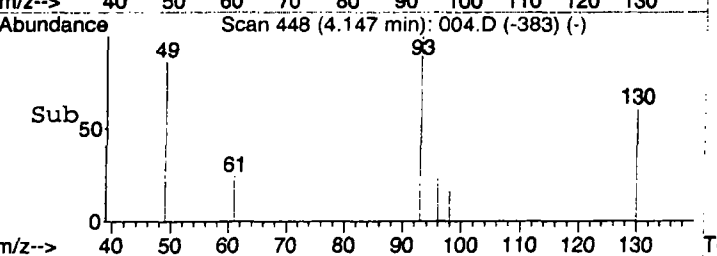
Tgt Ion	Ratio	Lower	Upper
63	100		
65	0.0	26.5	39.7#
27	0.0	18.0	27.0#

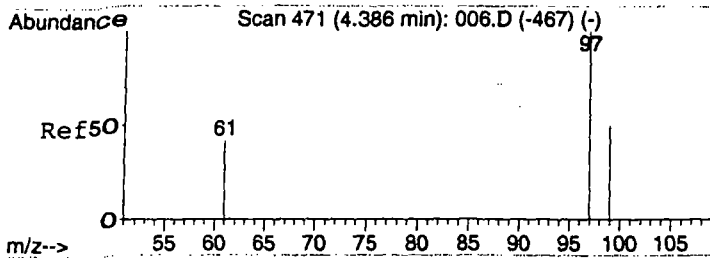


#7
cis-1,2-Dichloroethene
Concen: 0.33 ppbv m
RT: 4.15 min Scan# 448
Delta R.T. 0.00 min
Lab File: 004.D
Acq: 12 Dec 2007 7:20



Tgt Ion	Ratio	Lower	Upper
61	100		
96	0.0	64.8	97.2#
98	0.0	49.8	74.8#





#8

1,1,1-Trichloroethane

Concen: 0.17 ppbv m

RT: 4.39 min Scan# 472

Delta R.T. -0.00 min

Lab File: 004.D

Acq: 12 Dec 2007 7:20

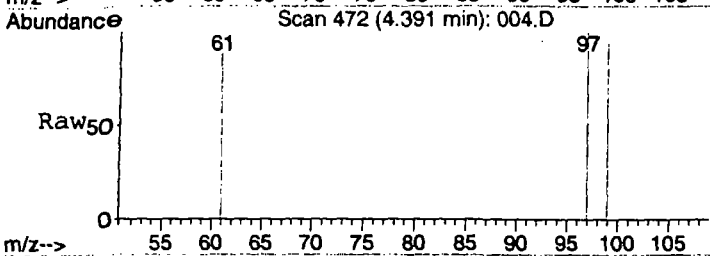
Tgt Ion: 97 Resp: 38

Ion Ratio Lower Upper

97 100

99 700.0 52.2 78.2#

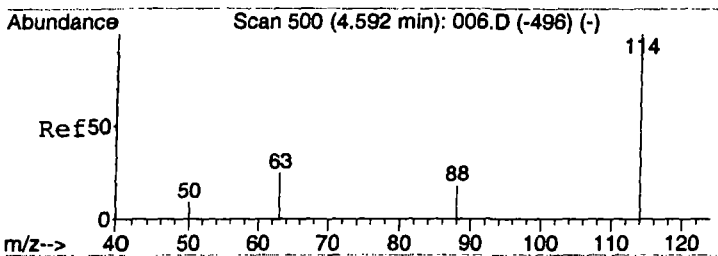
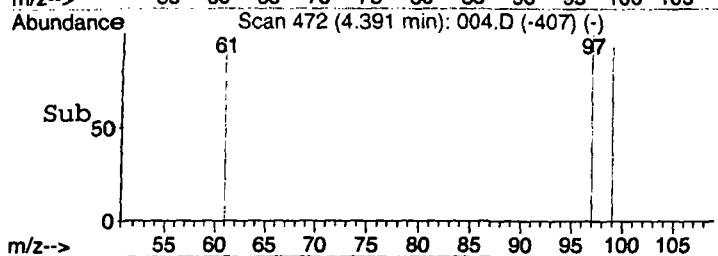
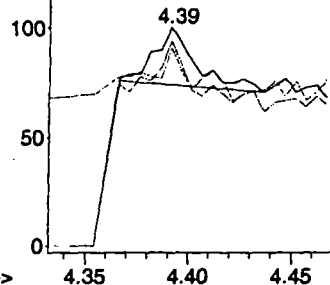
61 0.0 34.6 51.8#



Abundance Ion 97.00 (96.70 to 97.70): 00

Ion 99.00 (98.70 to 99.70): 00

Ion 61.00 (60.70 to 61.70): 00



#9

1,4-Difluorobenzene

Concen: 10.00 ppbv m

RT: 4.59 min Scan# 500

Delta R.T. -0.01 min

Lab File: 004.D

Acq: 12 Dec 2007 7:20

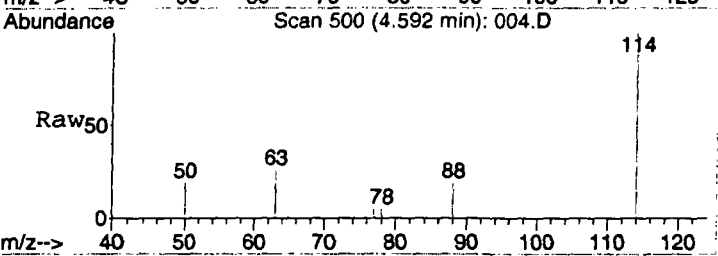
Tgt Ion: 114 Resp: 2399

Ion Ratio Lower Upper

114 100

63 21.8 15.4 23.2

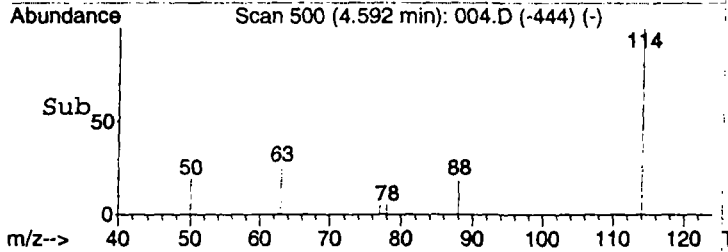
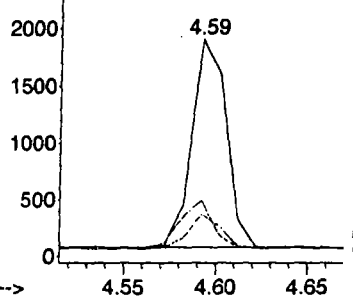
88 16.3 11.8 17.6

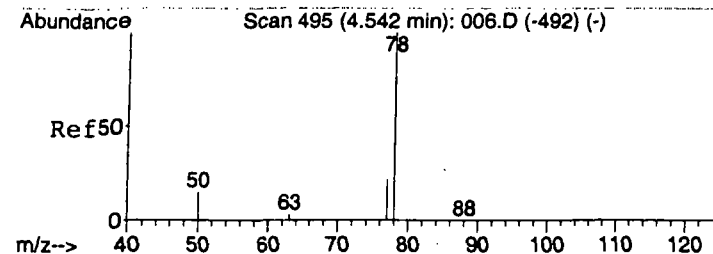


Abundance Ion 114.00 (113.70 to 114.70):

Ion 63.00 (62.70 to 63.70): 00

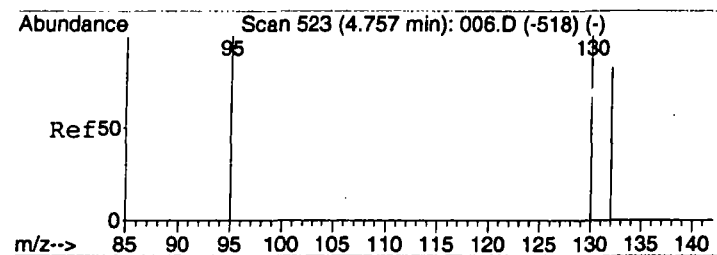
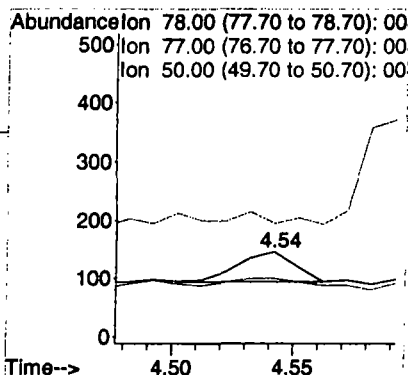
Ion 88.00 (87.70 to 88.70): 00





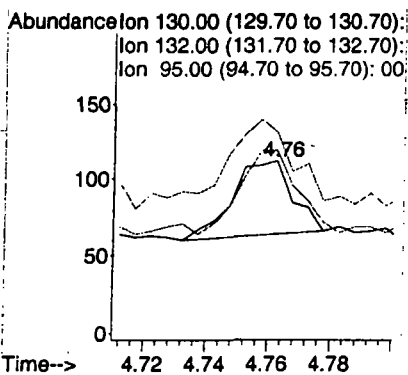
#10
Benzene
Concen: 0.51 ppbv m
RT: 4.54 min Scan# 495
Delta R.T. -0.01 min
Lab File: 004.D
Acq: 12 Dec 2007 7:20

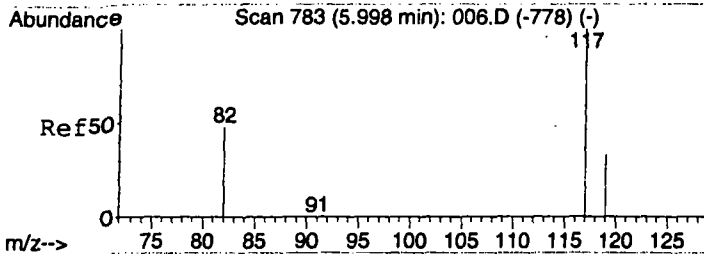
Tgt Ion	Ratio	Lower	Upper
78	100		
77	267.9	20.5	30.7#
50	740.5	15.9	23.9#



#11
Trichloroethene
Concen: 0.73 ppbv m
RT: 4.76 min Scan# 524
Delta R.T. -0.00 min
Lab File: 004.D
Acq: 12 Dec 2007 7:20

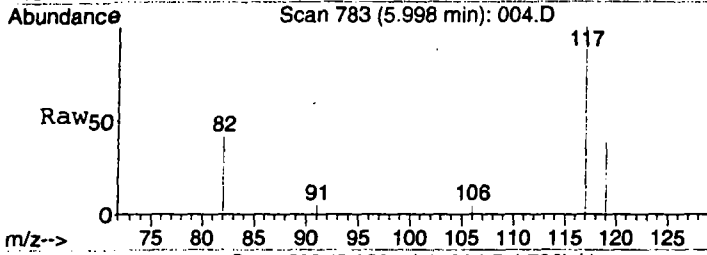
Tgt Ion	Ratio	Lower	Upper
130	100		
132	109.1	74.7	112.1
95	113.6	75.2	112.8#



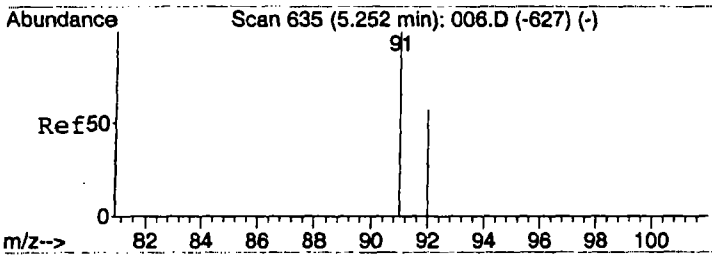
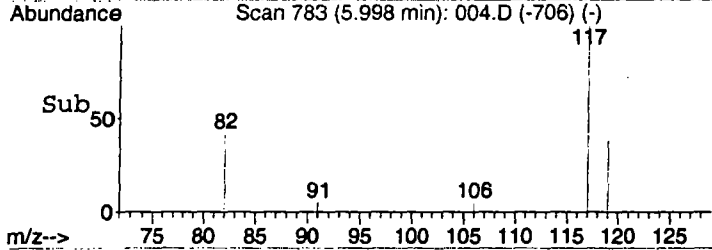
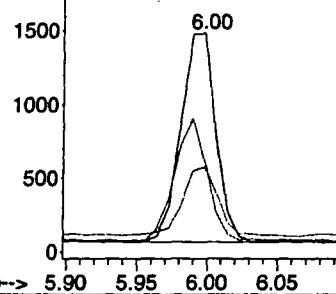


#12
Chlorobenzene-d5
Concen: 10.00 ppbv
RT: 6.00 min Scan# 783
Delta R.T. -0.02 min
Lab File: 004.D
Acq: 12 Dec 2007 7:20

Tgt Ion	Ratio	Lower	Upper
117	100		
82	54.9	41.0	61.6
119	33.8	25.5	38.3

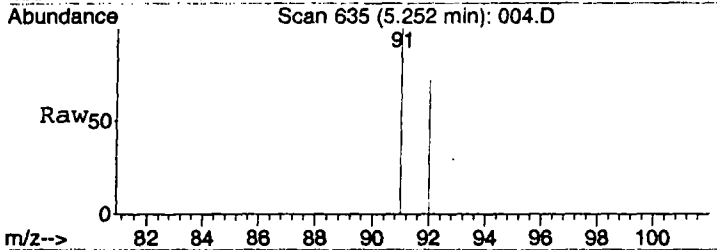


Abundance Ion 117.00 (116.70 to 117.70): 2000
Ion 82.00 (81.70 to 82.70): 00
Ion 119.00 (118.70 to 119.70): 00

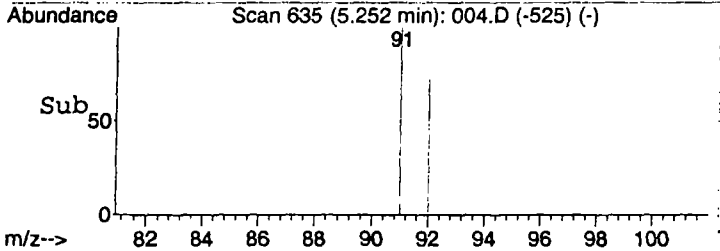
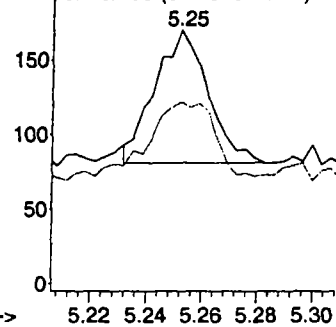


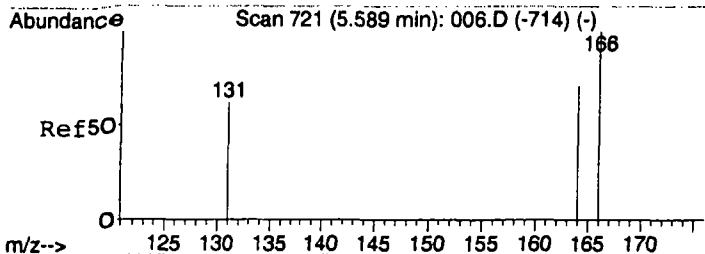
#13
Toluene
Concen: 0.53 ppbv
RT: 5.25 min Scan# 635
Delta R.T. -0.02 min
Lab File: 004.D
Acq: 12 Dec 2007 7:20

Tgt Ion	Ratio	Lower	Upper
91	100		
92	58.0	46.9	70.3



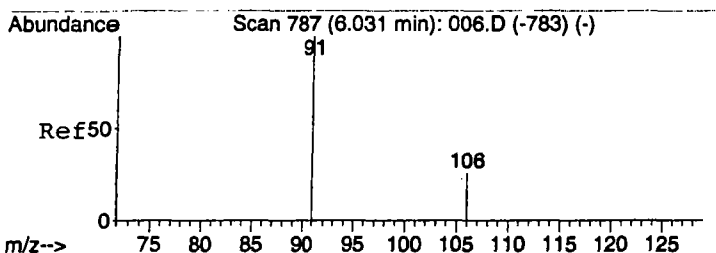
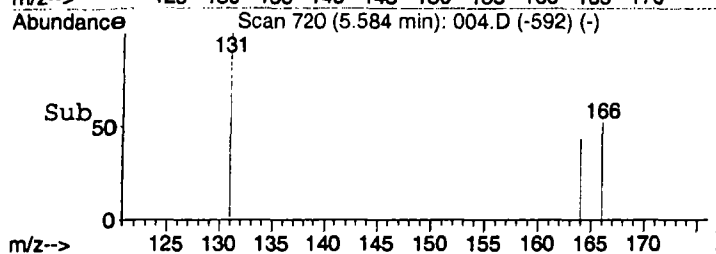
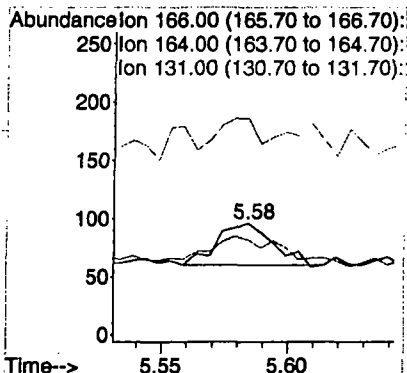
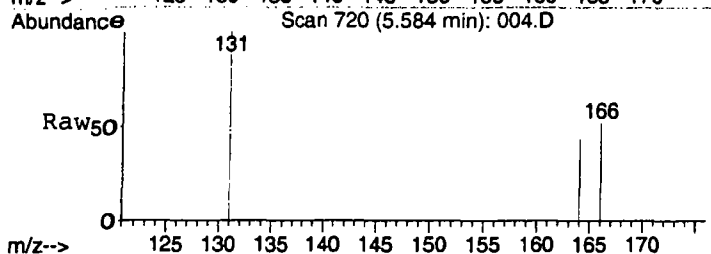
Abundance Ion 91.00 (90.70 to 91.70): 00
Ion 92.00 (91.70 to 92.70): 00





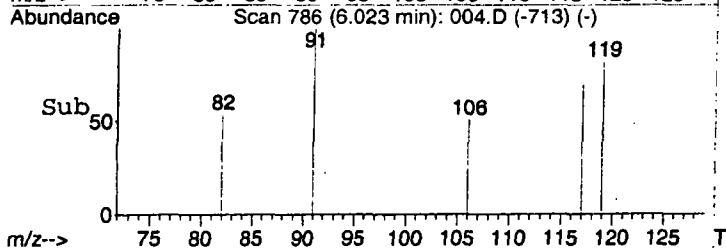
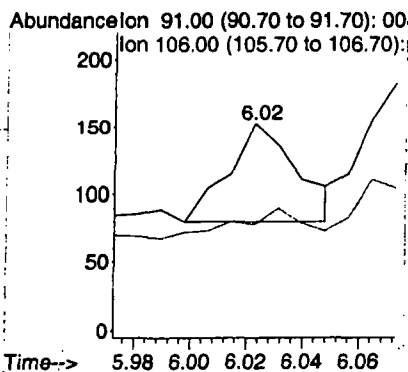
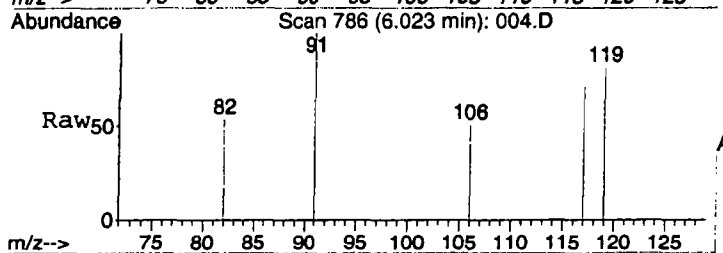
#14
Tetrachloroethene
Concen: 0.51 ppbv
RT: 5.58 min Scan# 720
Delta R.T. -0.02 min
Lab File: 004.D
Acq: 12 Dec 2007 7:20

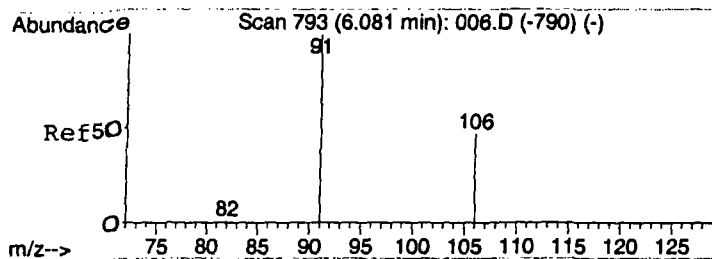
Tgt Ion: 166 Resp: 55
Ion Ratio Lower Upper
166 100
164 0.0 62.8 94.2#
131 0.0 56.9 85.3#



#15
Ethylbenzene
Concen: 0.54 ppbv
RT: 6.02 min Scan# 786
Delta R.T. -0.02 min
Lab File: 004.D
Acq: 12 Dec 2007 7:20

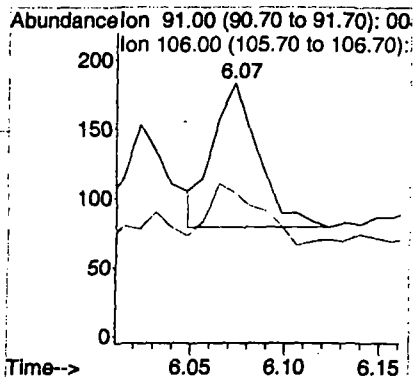
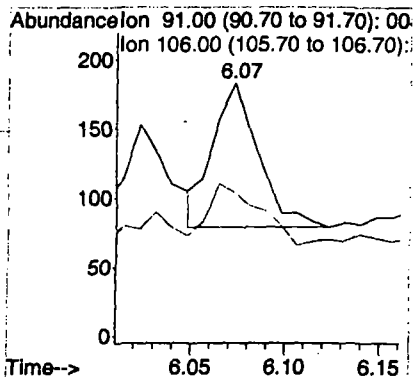
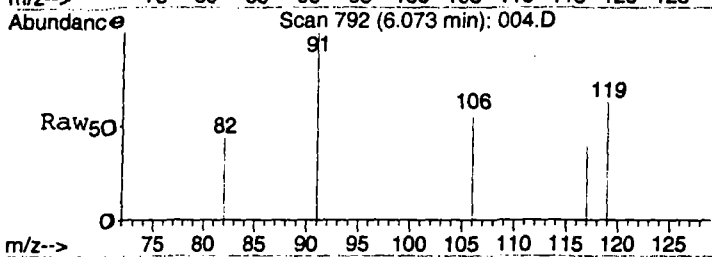
Tgt Ion: 91 Resp: 121
Ion Ratio Lower Upper
91 100
106 0.0 22.5 33.7#





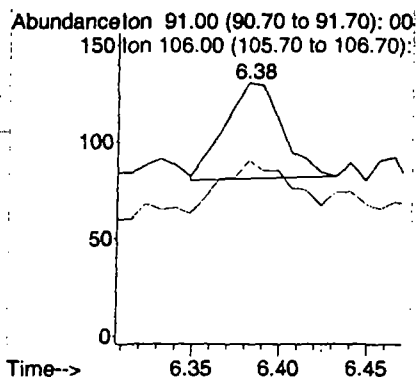
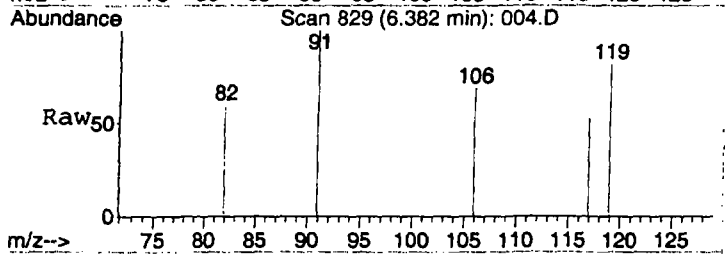
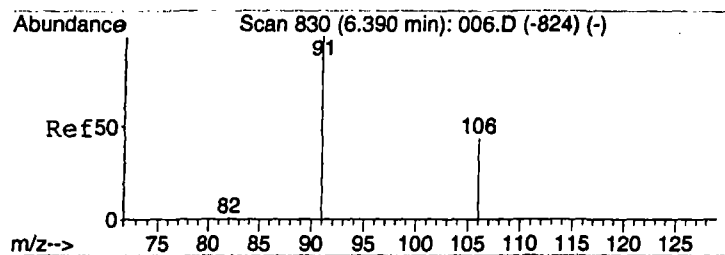
#16
m&p-Xylenes
Concen: 1.07 ppbv
RT: 6.07 min Scan# 792
Delta R.T. -0.02 min
Lab File: 004.D
Acq: 12 Dec 2007 7:20

Tgt Ion: 91 Resp: 174
Ion Ratio Lower Upper
91 100
106 42.0 36.4 54.6



#17
o-Xylene
Concen: 0.59 ppbv m
RT: 6.38 min Scan# 829
Delta R.T. -0.02 min
Lab File: 004.D
Acq: 12 Dec 2007 7:20

Tgt Ion: 91 Resp: 113
Ion Ratio Lower Upper
91 100
106 82.3 33.9 50.9#



Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\2007\20071212\005.D Vial: 1
Acq On : 12 Dec 2007 7:30 Operator: CWS
Sample : 20071212STD-2\ 1.0 PPBV STD Inst : Instrumen
Misc : 5 mL\12 Dec 2007 Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Dec 12 07:44:18 2007 Quant Results File: LOOP20071212.RES

Quant Method : C:\MSDCHEM\1...\LOOP20071212.M (RTE Integrator)

Title : VOC
Last Update : Wed Dec 12 07:43:58 2007
Response via : Initial Calibration
DataAcq Meth : LOOPSIMI

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	4.26	49	1000m	10.00	ppbv	-0.01
9) 1,4-Difluorobenzene	4.60	114	2226m	10.00	ppbv	0.00
12) Chlorobenzene-d5	6.00	117	2276	10.00	ppbv	-0.02
Target Compounds						Qvalue
3) 1,1-Dichloroethene	3.40	61	69m	1.16	ppbv	
4) Methyl tert-Butyl Ether (M	3.71	73	96	0.94	ppbv #	54
5) trans-1,2-Dichloroethene	3.77	61	73	1.31	ppbv #	55
6) 1,1-Dichloroethane	3.92	63	55m	0.77	ppbv	
7) cis-1,2-Dichloroethene	4.15	61	51m	0.65	ppbv	
8) 1,1,1-Trichloroethane	4.39	97	88m	2.45	ppbv	
10) Benzene	4.54	78	125m	0.80	ppbv	
11) Trichloroethene	4.76	130	94	0.68	ppbv #	67
13) Toluene	5.26	91	201	0.91	ppbv #	80
14) Tetrachloroethene	5.59	166	89	0.88	ppbv #	59
15) Ethylbenzene	6.03	91	206	0.92	ppbv	93
16) m&p-Xylenes	6.08	91	251m	1.56	ppbv	
17) o-Xylene	6.39	91	147m	0.70	ppbv	

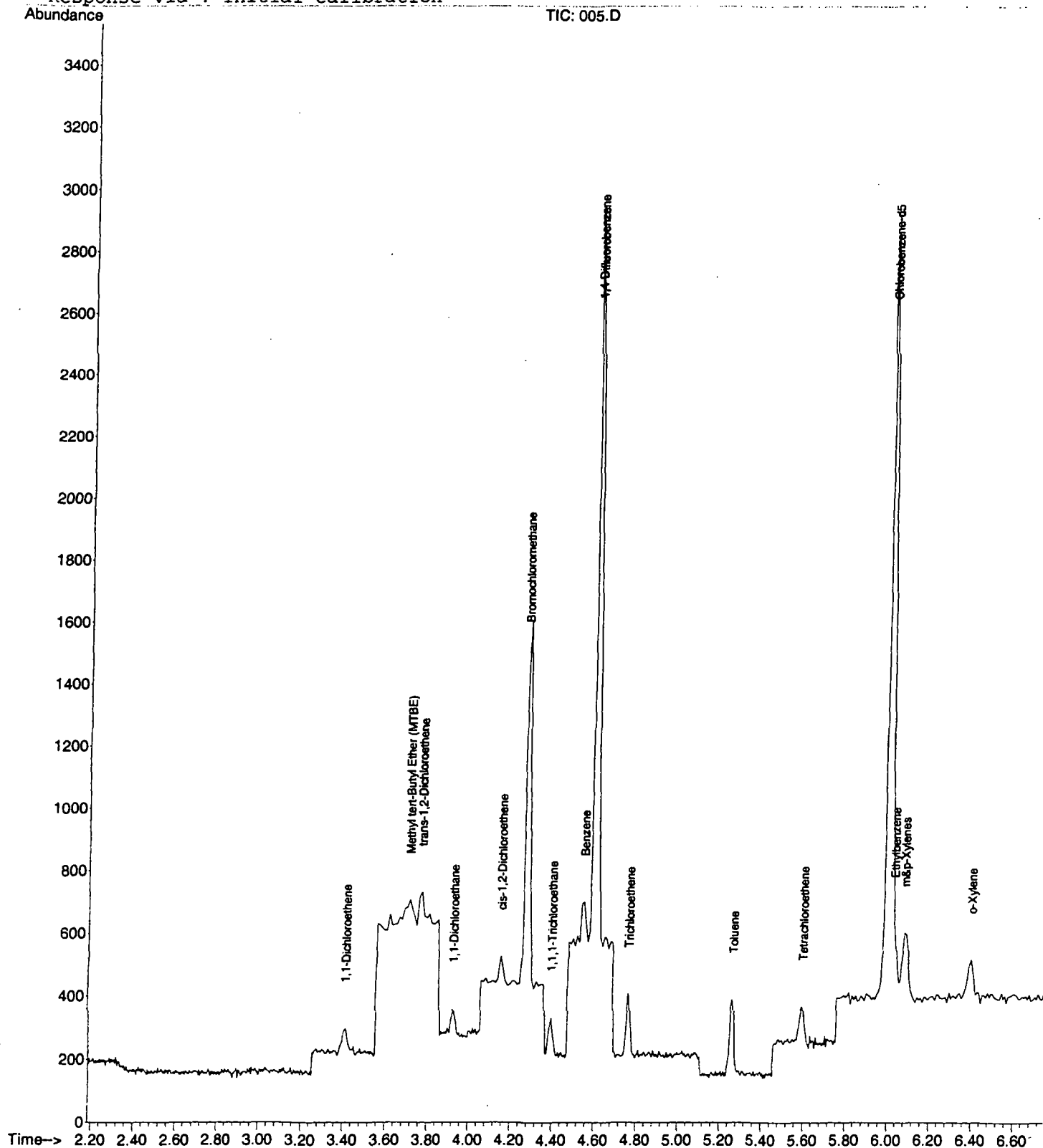
Quantitation Report (QT Reviewed)

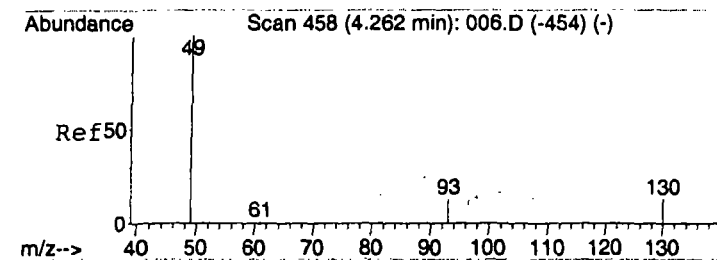
Data File : C:\MSDCHEM\1\DATA\2007\20071212\005.D
 Acq On : 12 Dec 2007 7:30
 Sample : 20071212STD-2\ 1.0 PPBV STD
 Misc : 5 mL\12 Dec 2007
 MS Integration Params: rteint.p
 Quant Time: Dec 12 7:47 2007

Vial: 1
 Operator: CWS
 Inst : Instrumen
 Multiplr: 1.00

Quant Results File: LOOP20071212.RES

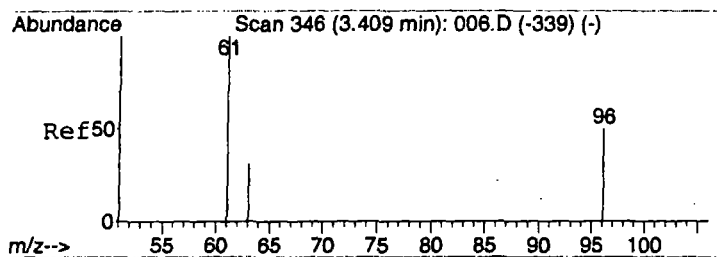
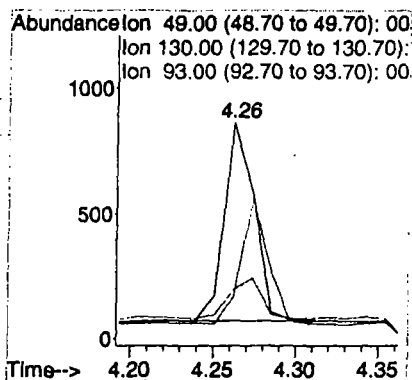
Method : C:\MSDCHEM\1\METHODS\LOOP20071212.M (RTE Integrator)
 Title : VOC
 Last Update : Tue Dec 18 13:57:12 2007
 Response via : Initial Calibration





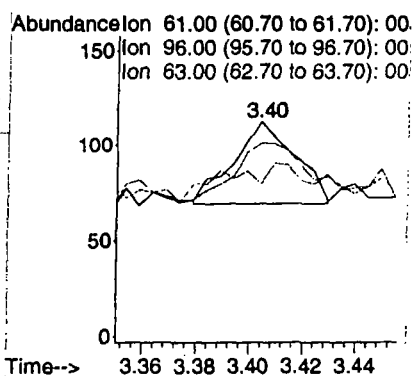
#1
Bromochloromethane
Concen: 10.00 ppbv m
RT: 4.26 min Scan# 458
Delta R.T. -0.01 min
Lab File: 005.D
Acq: 12 Dec 2007 7:30

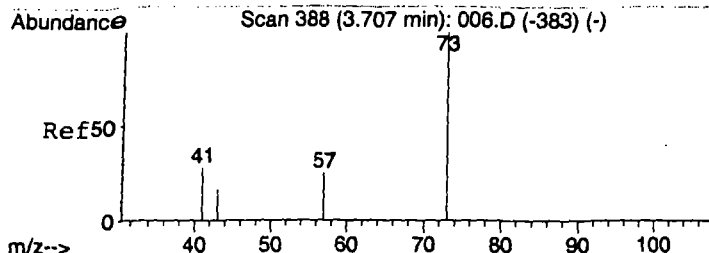
Tgt Ion: 49 Resp: 1000
Ion Ratio Lower Upper
49 100
130 59.1 105.7 158.5#
93 21.3 24.4 36.6#



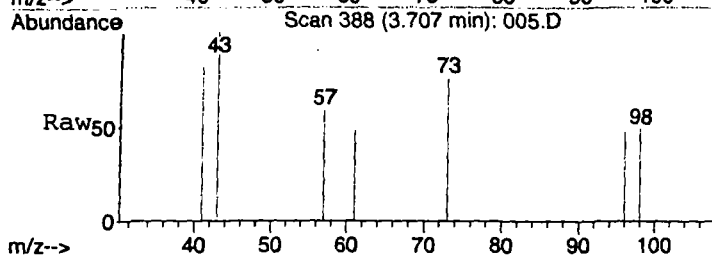
#3
1,1-Dichloroethene
Concen: 1.16 ppbv m
RT: 3.40 min Scan# 345
Delta R.T. -0.01 min
Lab File: 005.D
Acq: 12 Dec 2007 7:30

Tgt Ion: 61 Resp: 69
Ion Ratio Lower Upper
61 100
96 62.3 48.4 72.6
63 0.0 24.4 36.6#

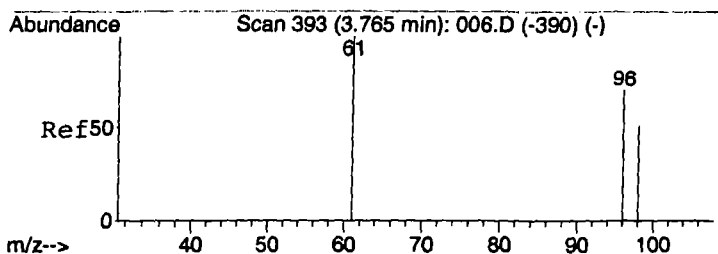
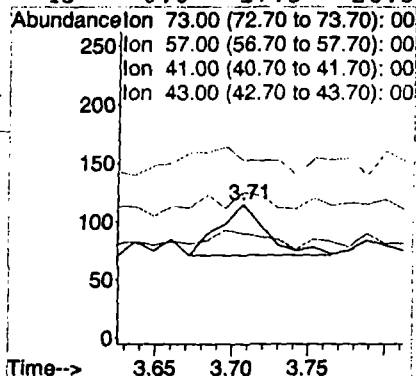
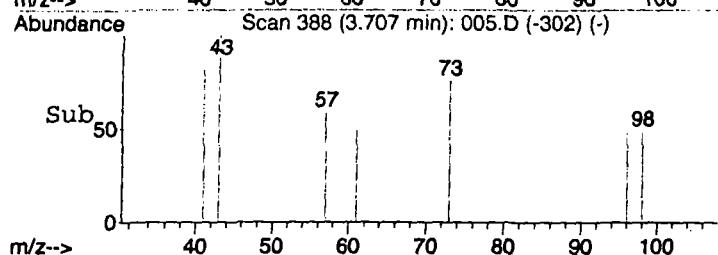




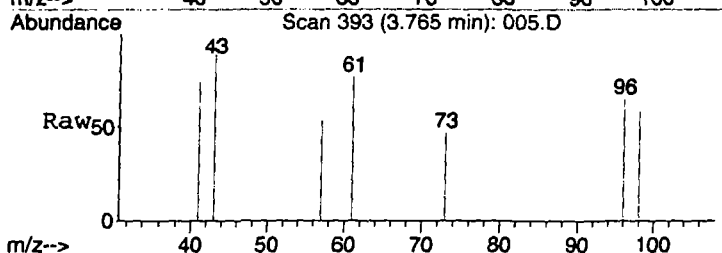
#4
Methyl tert-Butyl Ether (MTBE)
Concen: 0.94 ppbv
RT: 3.71 min Scan# 388
Delta R.T. -0.00 min
Lab File: 005.D
Acq: 12 Dec 2007 7:30



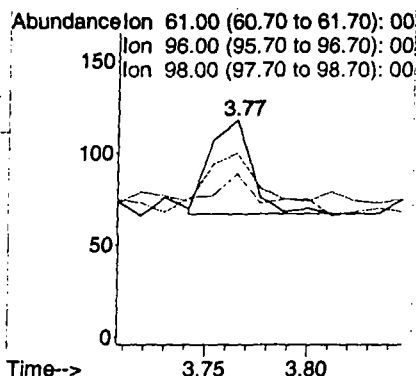
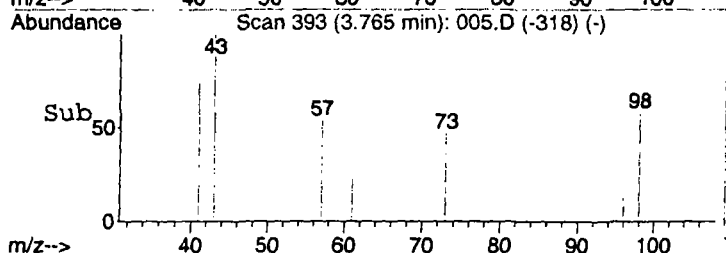
Tgt Ion: 73 Resp: 96
Ion Ratio Lower Upper
73 100
57 0.0 19.1 28.7#
41 0.0 16.5 24.7#
43 0.0 17.5 26.3#

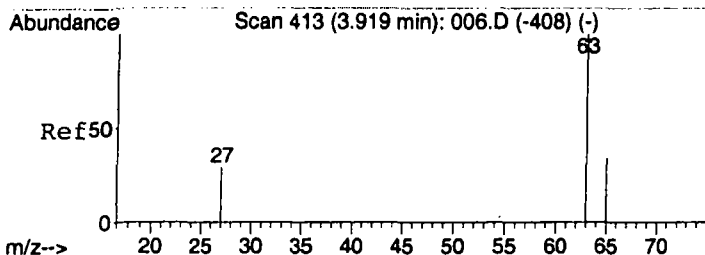


#5
trans-1,2-Dichloroethene
Concen: 1.31 ppbv
RT: 3.77 min Scan# 393
Delta R.T. -0.00 min
Lab File: 005.D
Acq: 12 Dec 2007 7:30



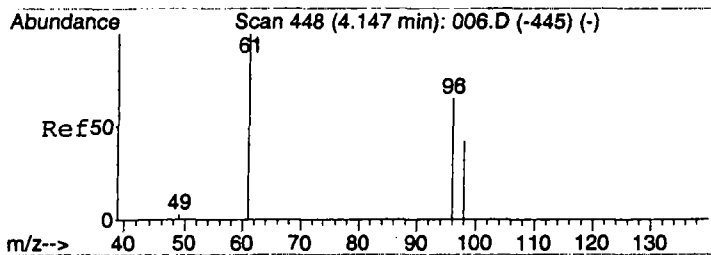
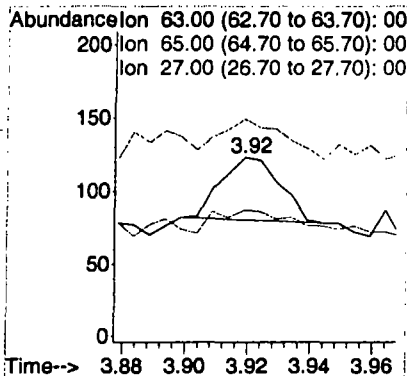
Tgt Ion: 61 Resp: 73
Ion Ratio Lower Upper
61 100
96 52.1 56.8 85.2#
98 0.0 42.1 63.1#





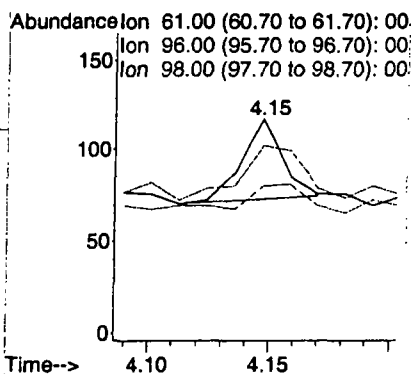
#6
1,1-Dichloroethane
Concen: 0.77 ppbv m
RT: 3.92 min Scan# 413
Delta R.T. -0.00 min
Lab File: 005.D
Acq: 12 Dec 2007 7:30

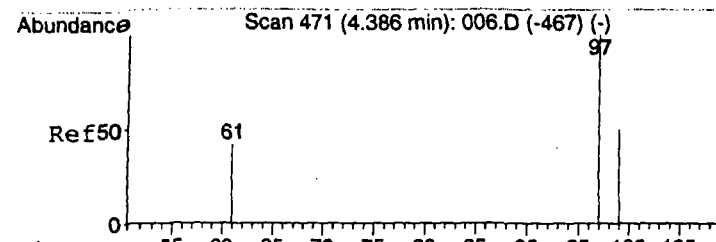
Tgt Ion	Ratio	Lower	Upper
63	100		
65	0.0	26.5	39.7#
27	0.0	18.0	27.0#



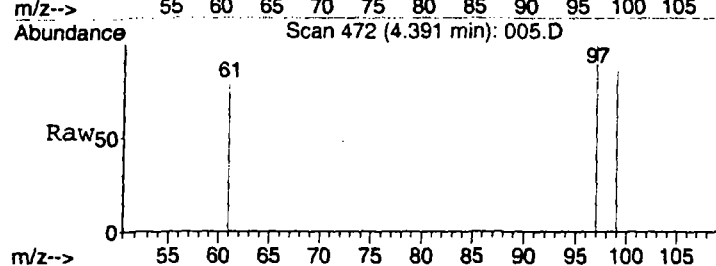
#7
cis-1,2-Dichloroethene
Concen: 0.65 ppbv m
RT: 4.15 min Scan# 448
Delta R.T. 0.00 min
Lab File: 005.D
Acq: 12 Dec 2007 7:30

Tgt Ion	Ratio	Lower	Upper
61	100		
96	180.4	64.8	97.2#
98	0.0	49.8	74.8#



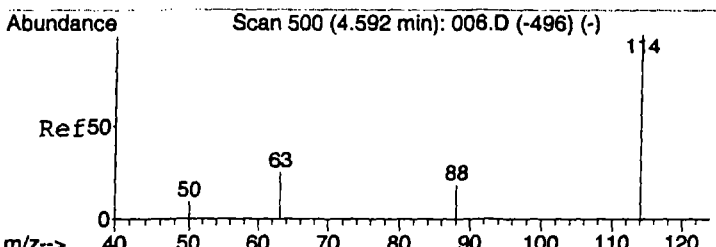
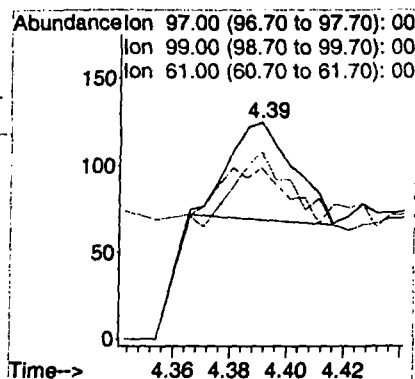
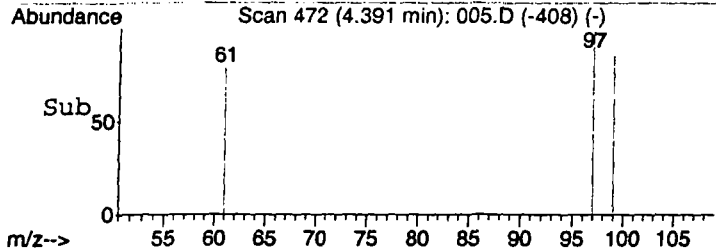


#8
 1,1,1-Trichloroethane
 Concen: 2.45 ppbv m
 RT: 4.39 min Scan# 472
 Delta R.T. -0.00 min
 Lab File: 005.D
 Acq: 12 Dec 2007 7:30

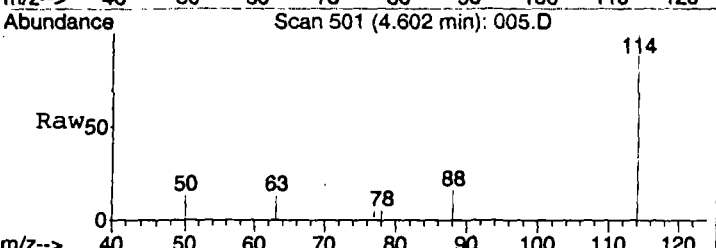


Tgt Ion: 97 Resp: 88

Ion	Ratio	Lower	Upper
97	100		
99	403.4	52.2	78.2#
61	59.1	34.6	51.8#

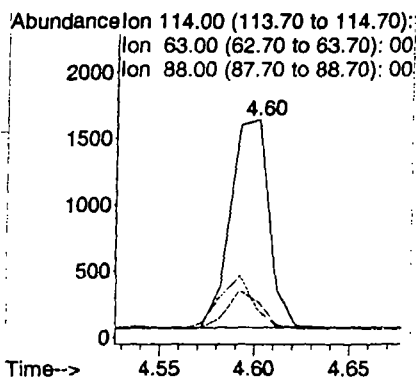
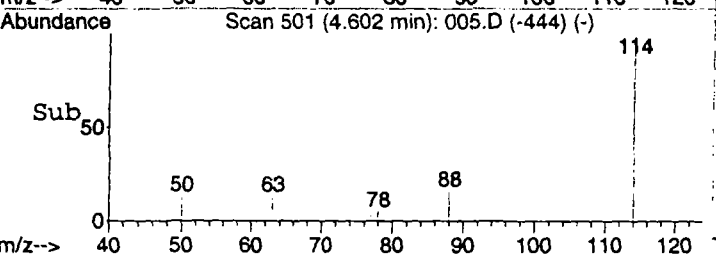


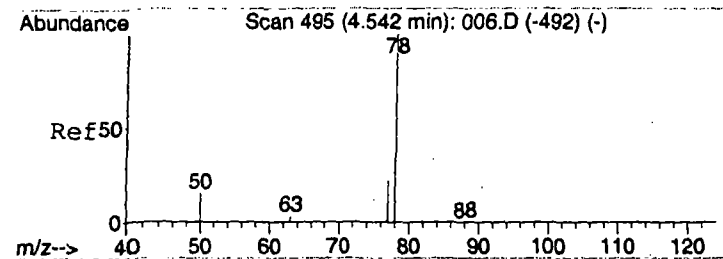
#9
 1,4-Difluorobenzene
 Concen: 10.00 ppbv m
 RT: 4.60 min Scan# 501
 Delta R.T. 0.00 min
 Lab File: 005.D
 Acq: 12 Dec 2007 7:30



Tgt Ion: 114 Resp: 2226

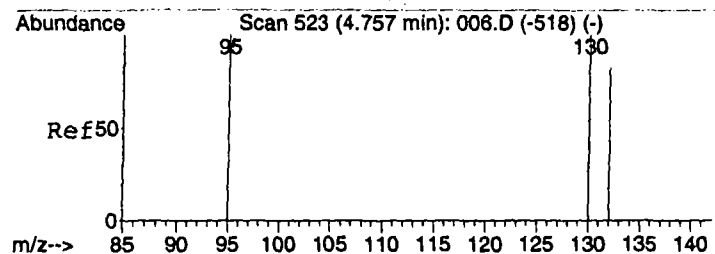
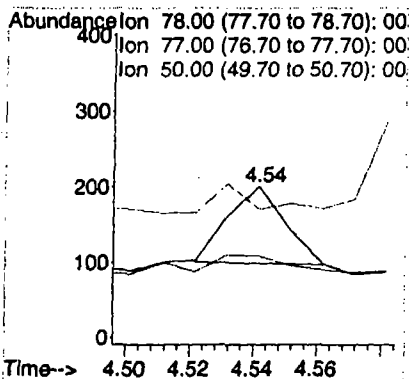
Ion	Ratio	Lower	Upper
114	100		
63	25.0	15.4	23.2#
88	18.8	11.8	17.6#





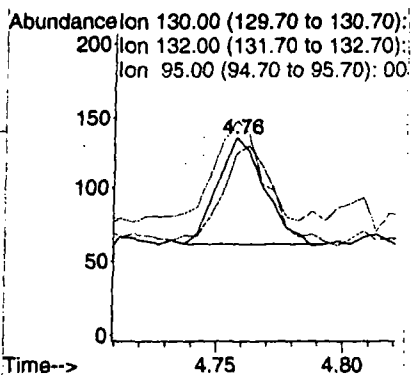
#10
Benzene
Concen: 0.80 ppbv m
RT: 4.54 min Scan# 495
Delta R.T. -0.01 min
Lab File: 005.D
Acq: 12 Dec 2007 7:30

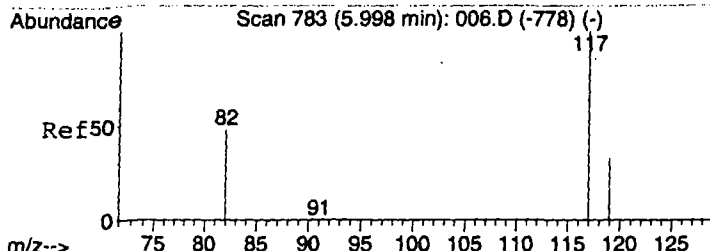
Tgt Ion: 78 Resp: 125
Ion Ratio Lower Upper
78 100
77 457.6 20.5 30.7#
50 280.0 15.9 23.9#



#11
Trichloroethene
Concen: 0.68 ppbv
RT: 4.76 min Scan# 523
Delta R.T. -0.01 min
Lab File: 005.D
Acq: 12 Dec 2007 7:30

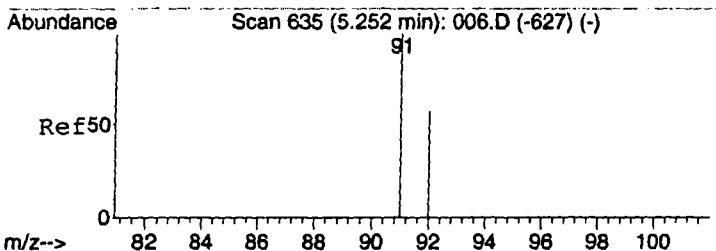
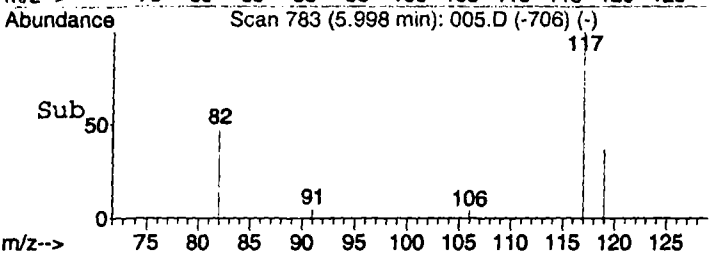
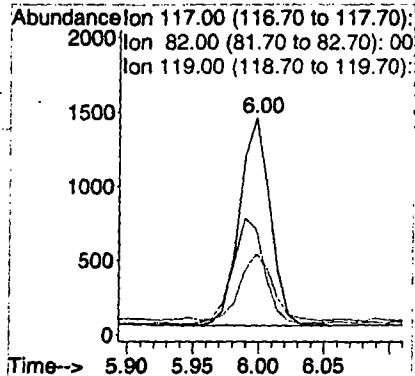
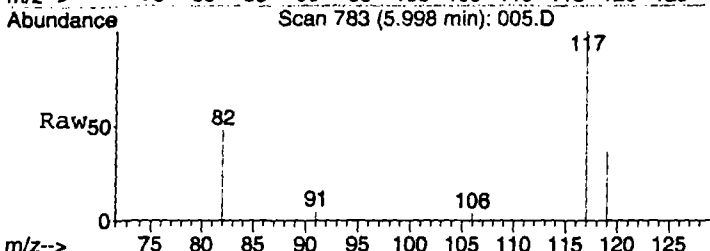
Tgt Ion: 130 Resp: 94
Ion Ratio Lower Upper
130 100
132 151.1 74.7 112.1#
95 88.3 75.2 112.8





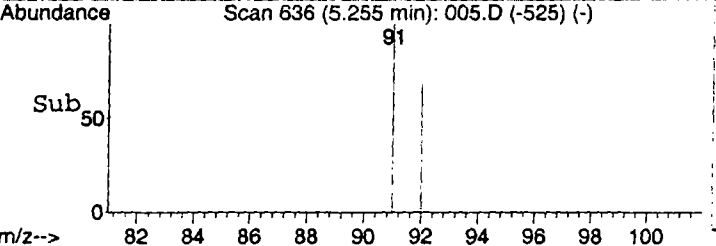
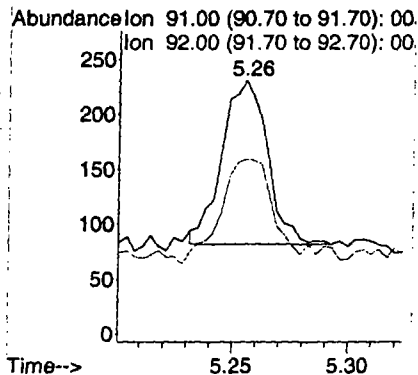
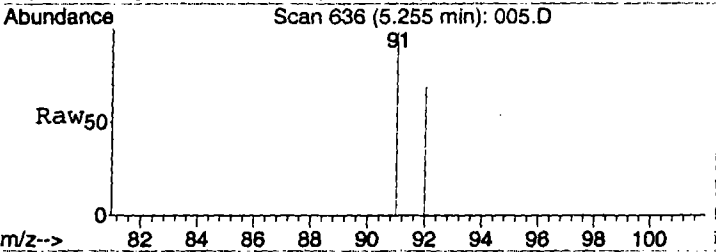
#12
Chlorobenzene-d5
Concen: 10.00 ppbv
RT: 6.00 min Scan# 783
Delta R.T. -0.02 min
Lab File: 005.D
Acq: 12 Dec 2007 7:30

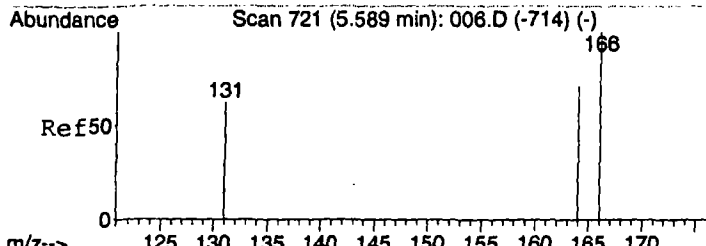
Tgt Ion: 117 Resp: 2276
Ion Ratio Lower Upper
117 100
82 52.5 41.0 61.6
119 33.6 25.5 38.3



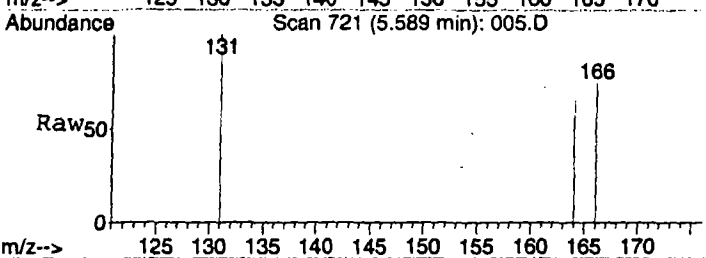
#13
Toluene
Concen: 0.91 ppbv
RT: 5.26 min Scan# 636
Delta R.T. -0.01 min
Lab File: 005.D
Acq: 12 Dec 2007 7:30

Tgt Ion: 91 Resp: 201
Ion Ratio Lower Upper
91 100
92 73.6 46.9 70.3#

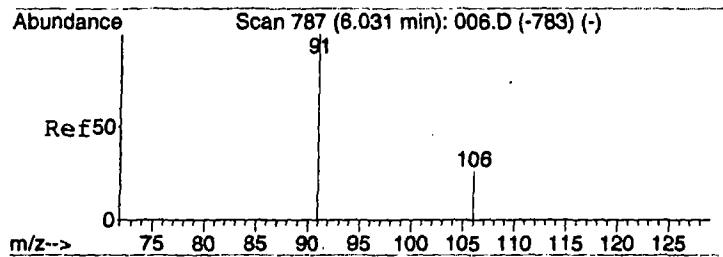
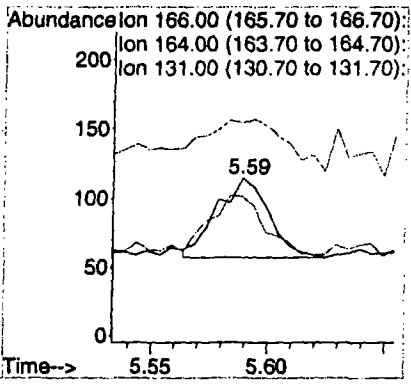
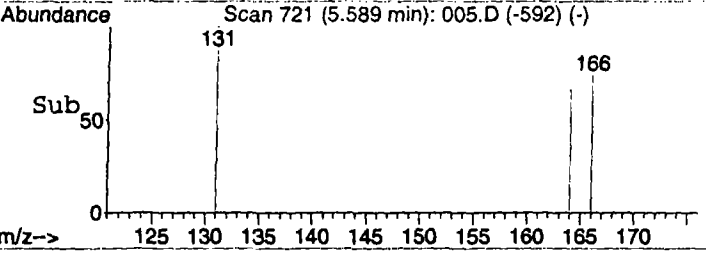




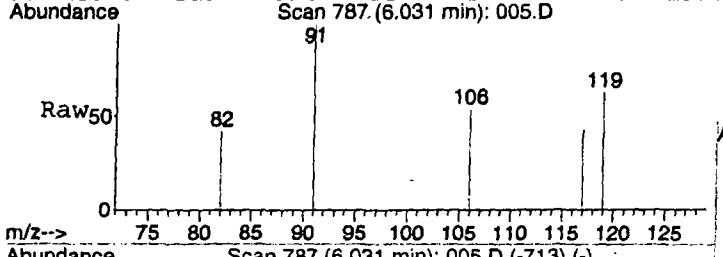
#14
 Tetrachloroethene
 Concen: 0.88 ppbv
 RT: 5.59 min Scan# 721
 Delta R.T. -0.02 min
 Lab File: 005.D
 Acq: 12 Dec 2007 7:30



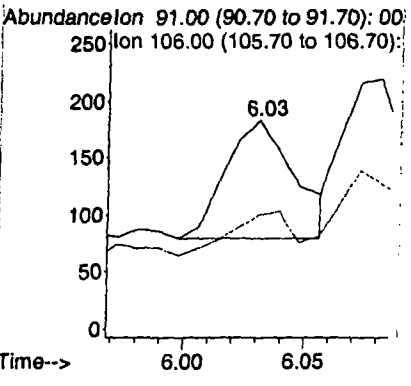
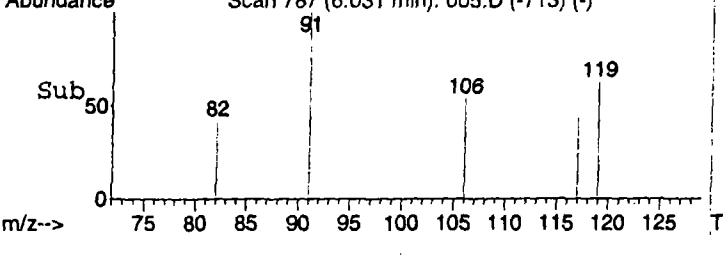
Tgt Ion:	166	Resp:	89
Ion Ratio	Lower	Upper	
166	100		
164	77.5	62.8	94.2
131	0.0	56.9	85.3#

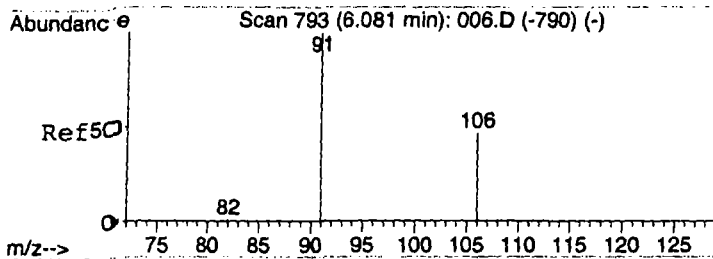


#15
 Ethylbenzene
 Concen: 0.92 ppbv
 RT: 6.03 min Scan# 787
 Delta R.T. -0.02 min
 Lab File: 005.D
 Acq: 12 Dec 2007 7:30



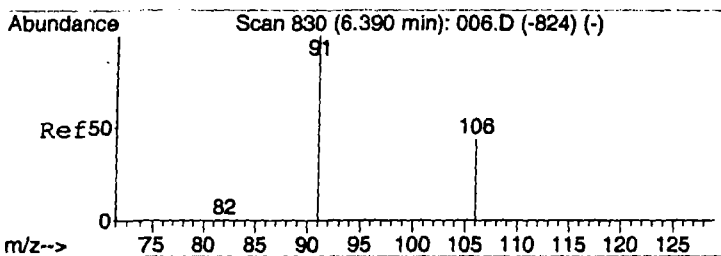
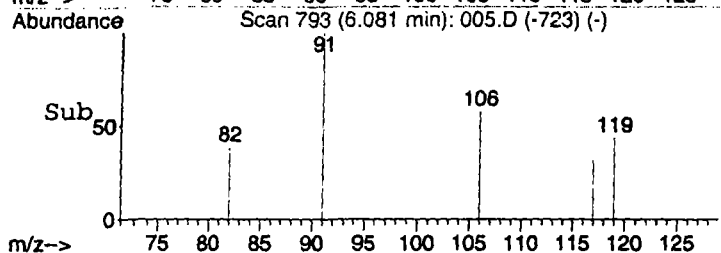
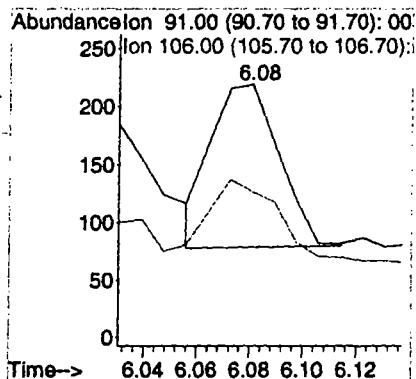
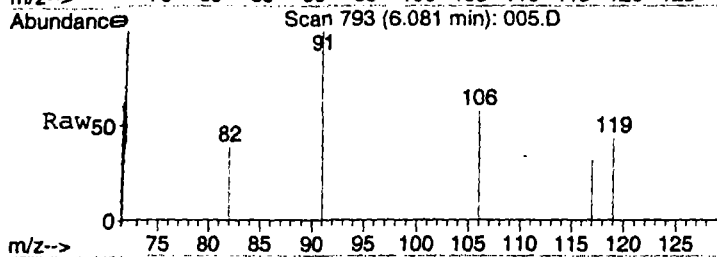
Tgt Ion:	91	Resp:	206
Ion Ratio	Lower	Upper	
91	100		
106	24.3	22.5	33.7





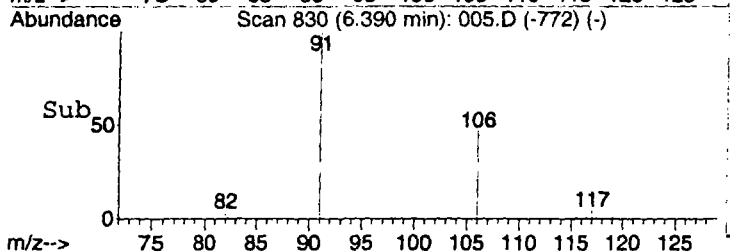
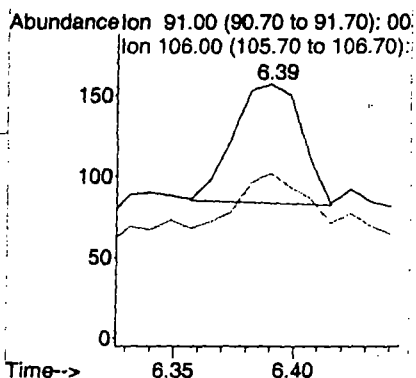
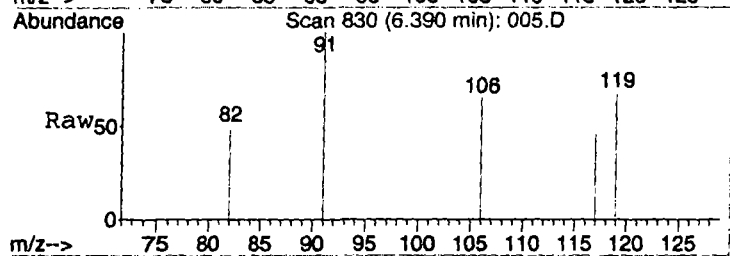
#16
m&p-Xylenes
Concen: 1.56 ppbv m
RT: 6.08 min Scan# 793
Delta R.T. -0.02 min
Lab File: 005.D
Acq: 12 Dec 2007 7:30

Tgt Ion: 91 Resp: 251
Ion Ratio Lower Upper
91 100
106 34.7 36.4 54.6#



#17
o-Xylene
Concen: 0.70 ppbv m
RT: 6.39 min Scan# 830
Delta R.T. -0.02 min
Lab File: 005.D
Acq: 12 Dec 2007 7:30

Tgt Ion: 91 Resp: 147
Ion Ratio Lower Upper
91 100
106 7.5 33.9 50.9#



Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\2007\20071212\006.D Vial: 1
 Acq On : 12 Dec 2007 7:40 Operator: CWS
 Sample : 20071212STD-3\ 5.0 PPBV STD Inst : Instrumen
 Misc : 5 mL\12 Dec 2007 Multiplr: 1.00
 MS Integration Params: rteint.p
 Quant Time: Dec 12 07:48:10 2007 Quant Results File: LOOP20071212.RES

Quant Method : C:\MSDCHEM\1...\LOOP20071212.M (RTE Integrator)
 Title : VOC
 Last Update : Wed Dec 12 07:47:37 2007
 Response via : Initial Calibration
 DataAcq Meth : LOOPSIMI

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	4.26	49	1041m	10.00	ppbv	-0.01
9) 1,4-Difluorobenzene	4.59	114	2217m	10.00	ppbv	0.00
12) Chlorobenzene-d5	6.00	117	2096	10.00	ppbv	-0.02

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Vinyl Chloride	2.32	62	253m	3.52	ppbv	
3) 1,1-Dichloroethene	3.41	61	397	5.95	ppbv	94
4) Methyl tert-Butyl Ether (M	3.71	73	397m	3.85	ppbv	
5) trans-1,2-Dichloroethene	3.77	61	370	5.53	ppbv	91
6) 1,1-Dichloroethane	3.92	63	441m	6.68	ppbv	
7) cis-1,2-Dichloroethene	4.15	61	324m	4.79	ppbv	
8) 1,1,1-Trichloroethane	4.39	97	449m	6.96	ppbv	
10) Benzene	4.54	78	668m	4.78	ppbv	
11) Trichloroethene	4.76	130	366m	3.15	ppbv	
13) Toluene	5.25	91	837	4.32	ppbv	99
14) Tetrachloroethene	5.59	166	430	4.90	ppbv	97
15) Ethylbenzene	6.03	91	921	4.66	ppbv	99
16) m&p-Xylenes	6.08	91	1270	9.63	ppbv	92
17) o-Xylene	6.39	91	681	4.16	ppbv	88

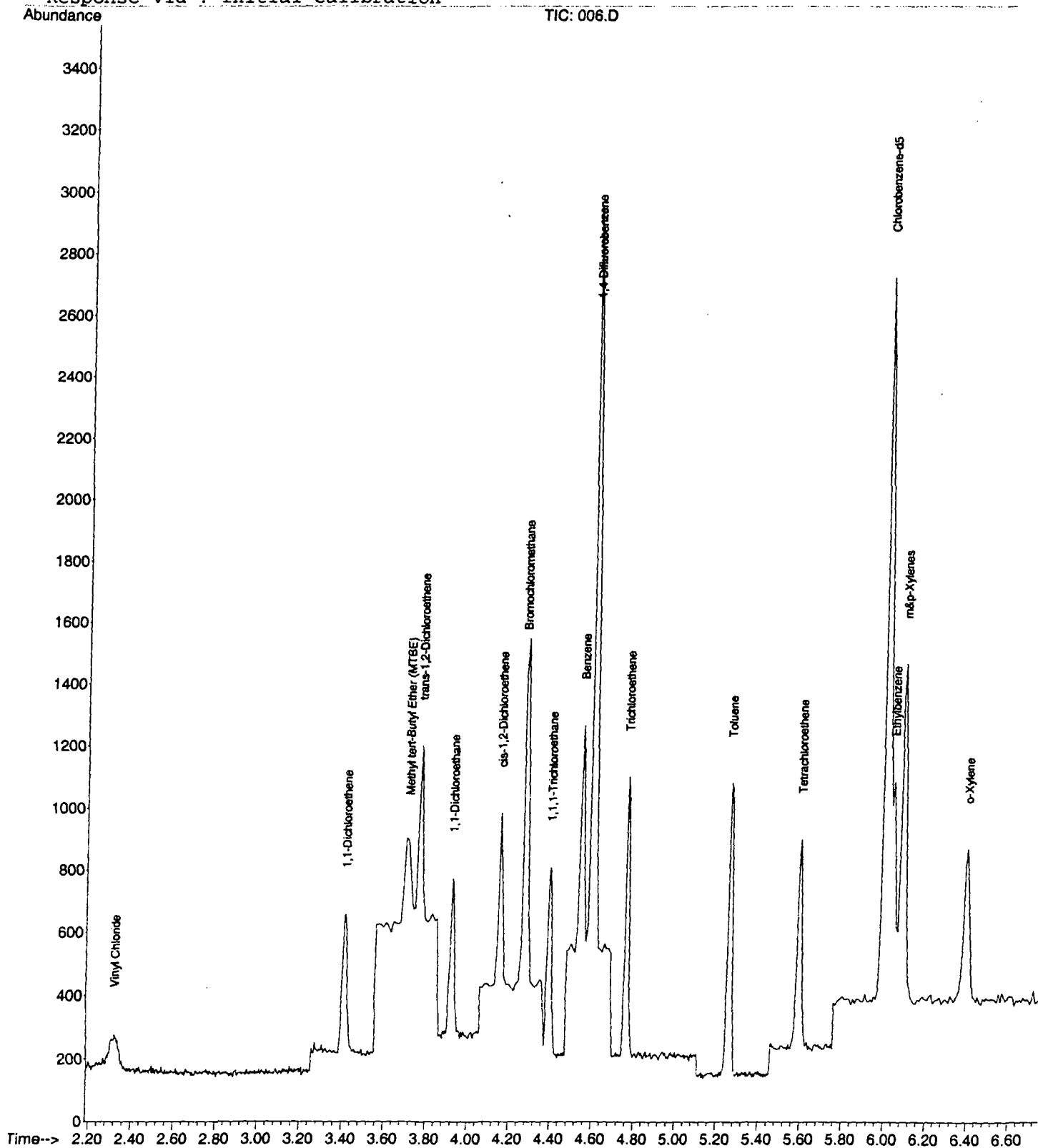
Quantitation Report (QT Reviewed)

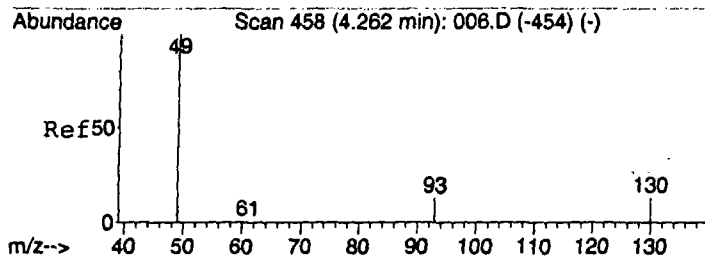
Data File : C:\MSDCHEM\1\DATA\2007\20071212\006.D
 Acq On : 12 Dec 2007 7:40
 Sample : 20071212STD-3\ 5.0 PPBV STD
 Misc : 5 mL\12 Dec 2007
 MS Integration Params: rteint.p
 Quant Time: Dec 12 7:57 2007

Vial: 1
 Operator: CWS
 Inst : Instrumen
 Multiplr: 1.00

Quant Results File: LOOP20071212.RES

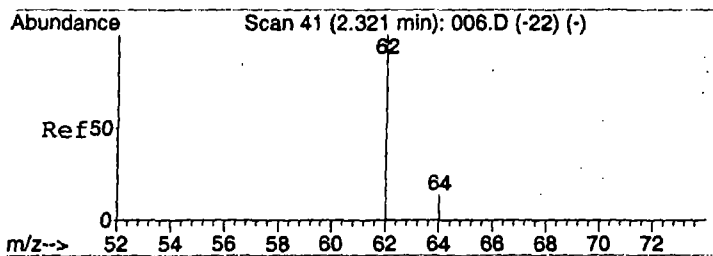
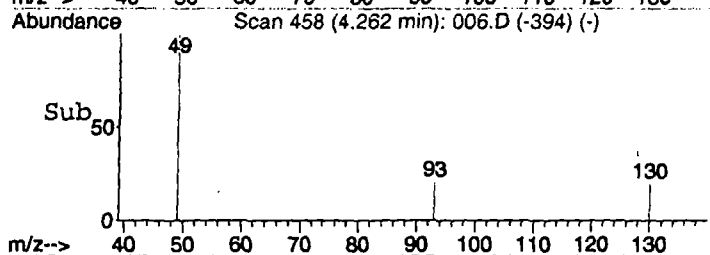
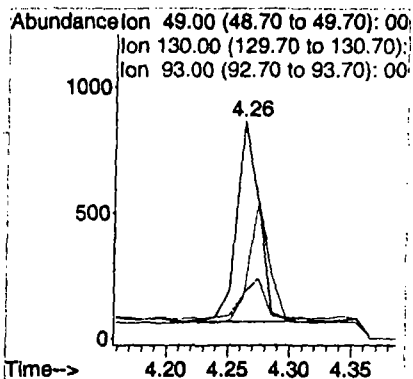
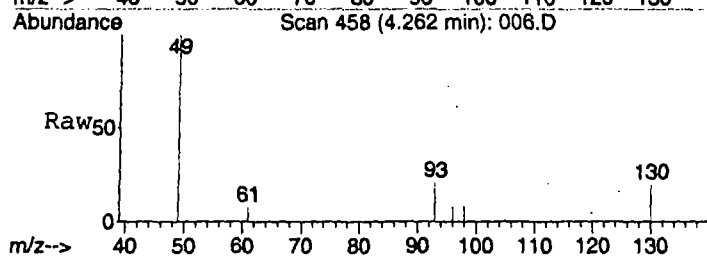
Method : C:\MSDCHEM\1\METHODS\LOOP20071212.M (RTE Integrator)
 Title : VOC
 Last Update : Tue Dec 18 13:57:12 2007
 Response via : Initial Calibration





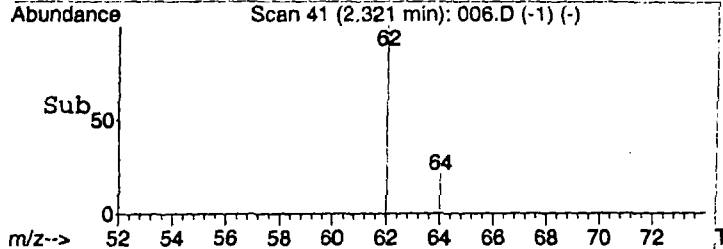
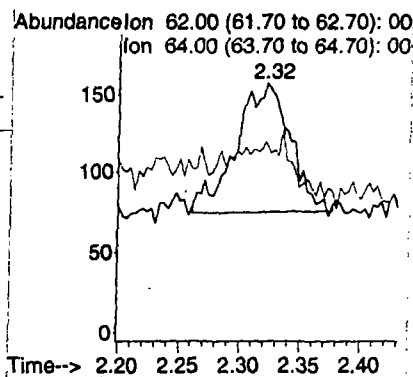
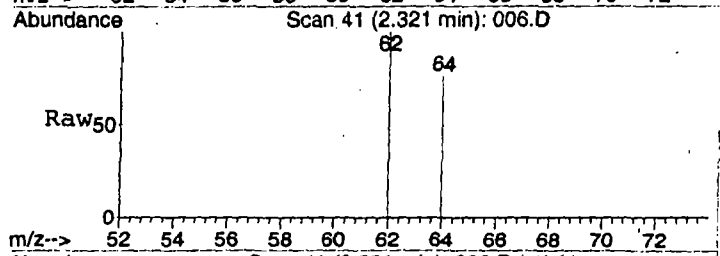
#1
 Bromochloromethane
 Concen: 10.00 ppbv m
 RT: 4.26 min Scan# 458
 Delta R.T. -0.01 min
 Lab File: 006.D
 Acq: 12 Dec 2007 7:40

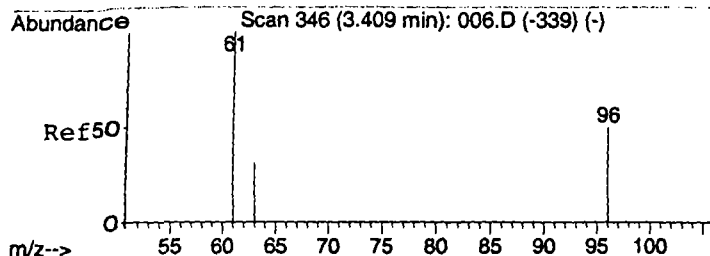
Tgt Ion: 49 Resp: 1041
 Ion Ratio Lower Upper
 49 100
 130 54.3 105.7 158.5#
 93 19.6 24.4 36.6#



#2
 Vinyl Chloride
 Concen: 3.52 ppbv m
 RT: 2.32 min Scan# 41
 Delta R.T. 0.00 min
 Lab File: 006.D
 Acq: 12 Dec 2007 7:40

Tgt Ion: 62 Resp: 253
 Ion Ratio Lower Upper
 62 100
 64 2.0 25.5 38.3#

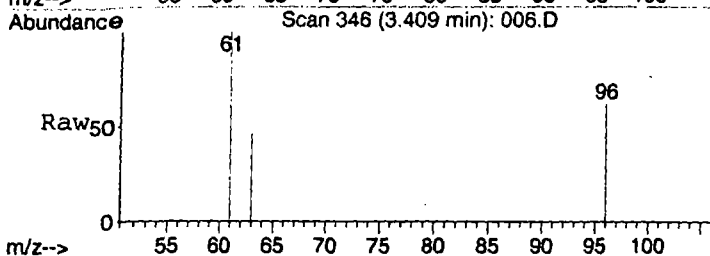




#3
 1,1-Dichloroethene
 Concen: 5.95 ppbv
 RT: 3.41 min Scan# 346
 Delta R.T. -0.00 min
 Lab File: 006.D
 Acq: 12 Dec 2007 7:40

Tgt Ion: 61 Resp: 397

Ion	Ratio	Lower	Upper
61	100		
96	55.9	48.4	72.6
63	33.5	24.4	36.6

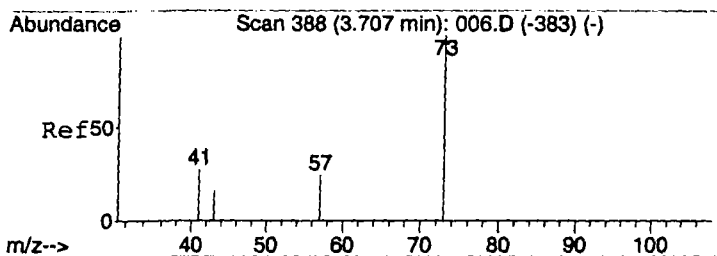
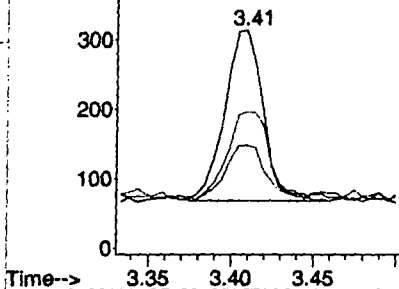
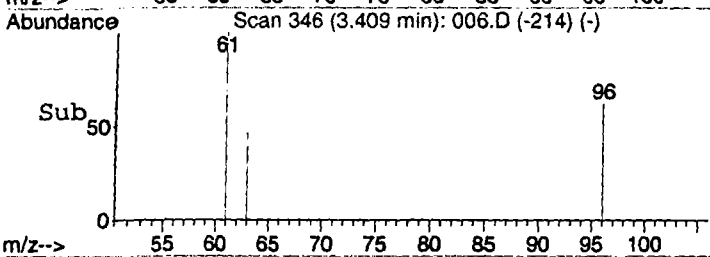


Abundance

Ion 61.00 (60.70 to 61.70): 00

Ion 96.00 (95.70 to 96.70): 00

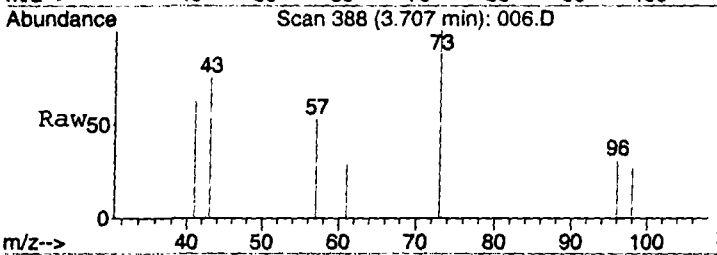
Ion 63.00 (62.70 to 63.70): 00



#4
 Methyl tert-Butyl Ether (MTBE)
 Concen: 3.85 ppbv m
 RT: 3.71 min Scan# 388
 Delta R.T. -0.00 min
 Lab File: 006.D
 Acq: 12 Dec 2007 7:40

Tgt Ion: 73 Resp: 397

Ion	Ratio	Lower	Upper
73	100		
57	43.1	19.1	28.7#
41	43.3	16.5	24.7#
43	0.0	17.5	26.3#



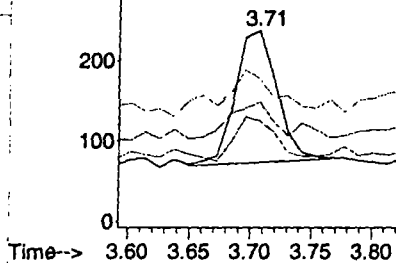
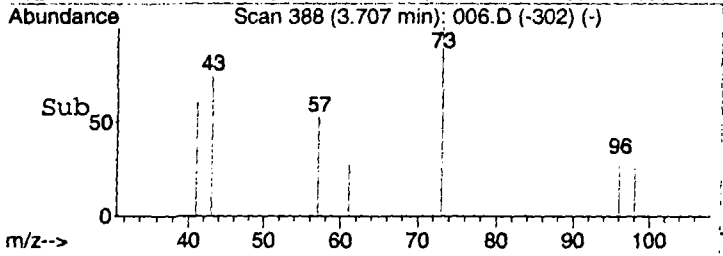
Abundance

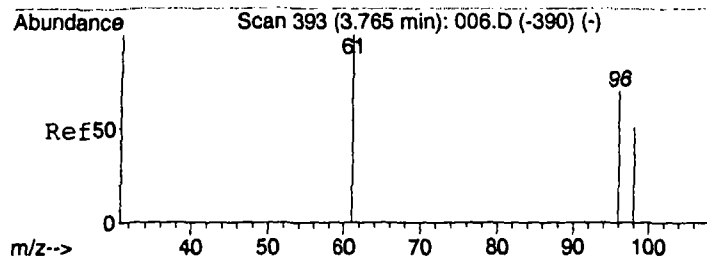
Ion 73.00 (72.70 to 73.70): 00

Ion 57.00 (56.70 to 57.70): 00

Ion 41.00 (40.70 to 41.70): 00

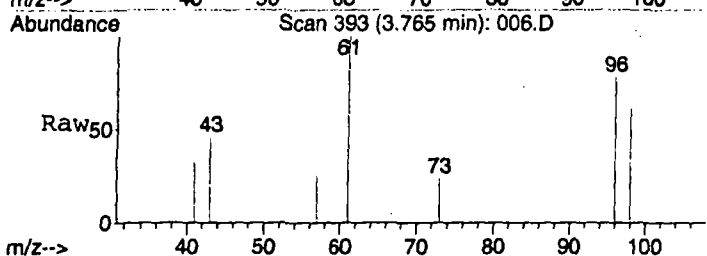
Ion 43.00 (42.70 to 43.70): 00



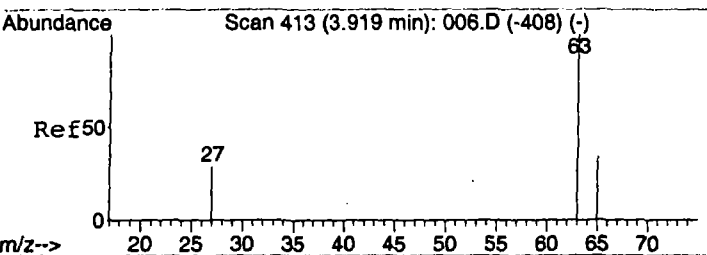
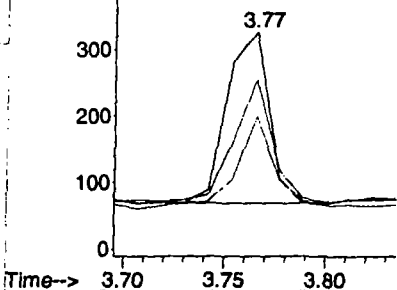
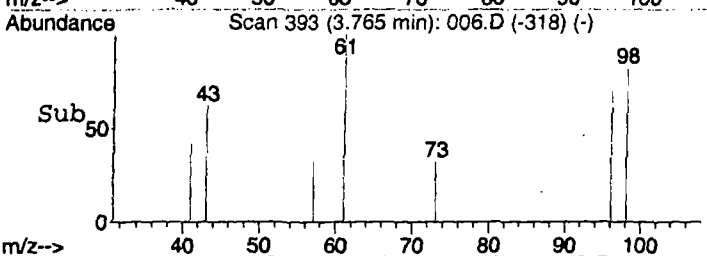


#5
trans-1,2-Dichloroethene
Concen: 5.53 ppbv
RT: 3.77 min Scan# 393
Delta R.T. -0.00 min
Lab File: 006.D
Acq: 12 Dec 2007 7:40

Tgt Ion: 61 Resp: 370
Ion Ratio Lower Upper
61 100
96 64.9 56.8 85.2
98 44.9 42.1 63.1

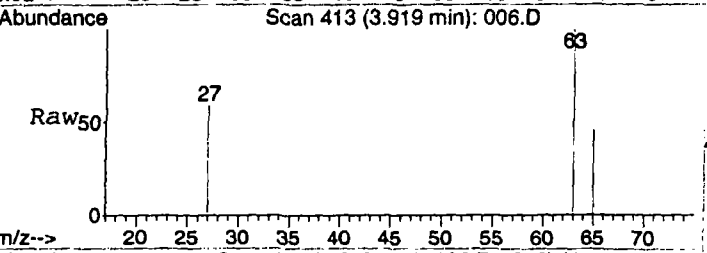


Abundance Ion 61.00 (60.70 to 61.70): 00
Ion 96.00 (95.70 to 96.70): 00
Ion 98.00 (97.70 to 98.70): 00

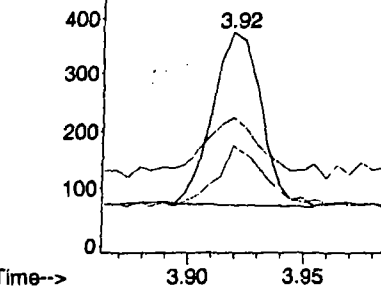
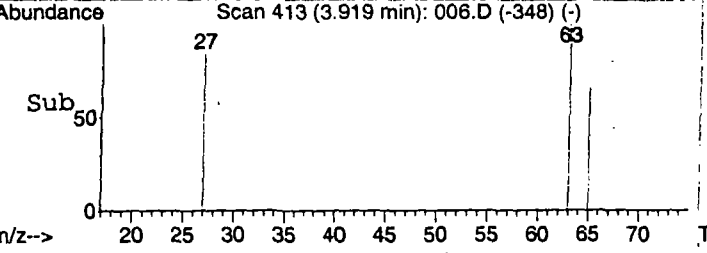


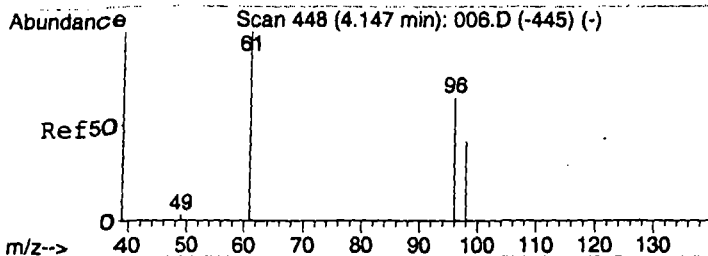
#6
1,1-Dichloroethane
Concen: 6.68 ppbv m
RT: 3.92 min Scan# 413
Delta R.T. -0.00 min
Lab File: 006.D
Acq: 12 Dec 2007 7:40

Tgt Ion: 63 Resp: 441
Ion Ratio Lower Upper
63 100
65 56.5 26.5 39.7#
27 58.0 18.0 27.0#

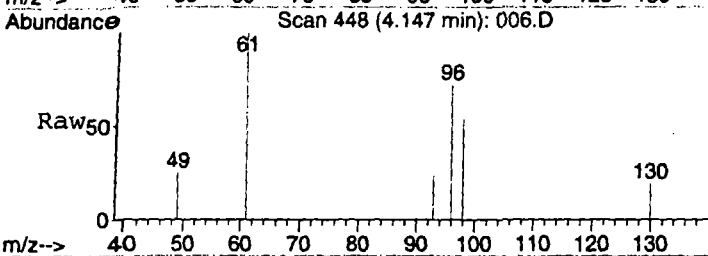


Abundance Ion 63.00 (62.70 to 63.70): 00
Ion 65.00 (64.70 to 65.70): 00
Ion 27.00 (26.70 to 27.70): 00

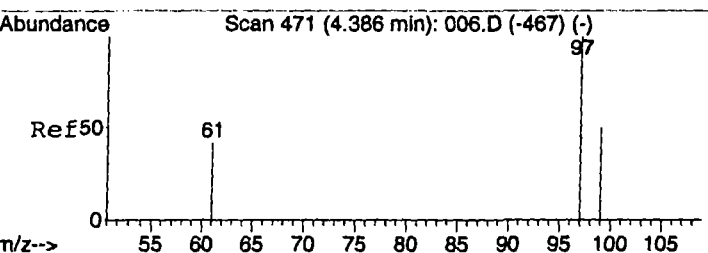
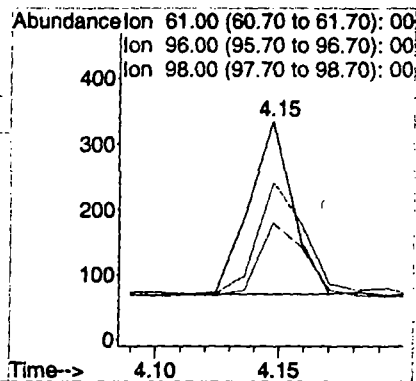
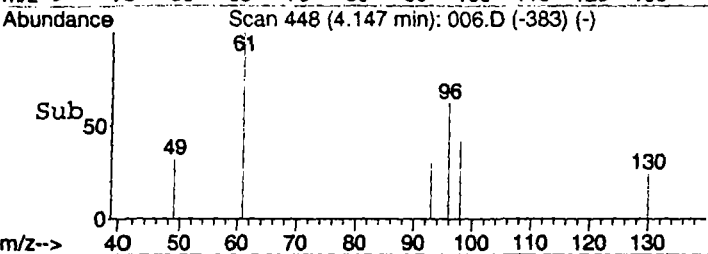




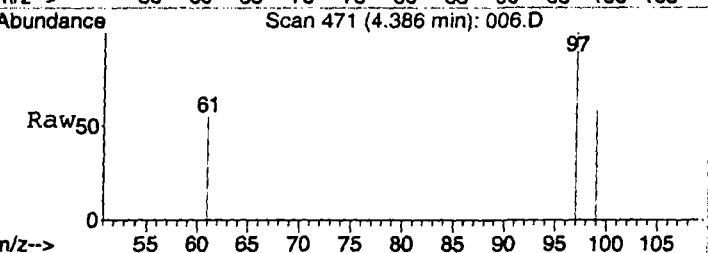
#7
 cis-1,2-Dichloroethene
 Concen: 4.79 ppbv m
 RT: 4.15 min Scan# 448
 Delta R.T. 0.00 min
 Lab File: 006.D
 Acq: 12 Dec 2007 7:40



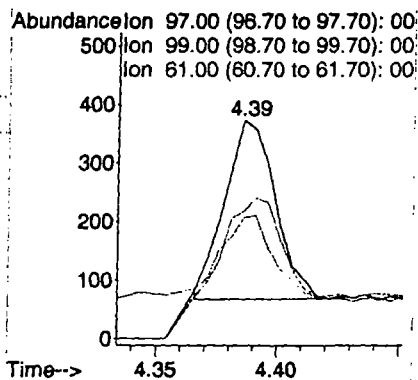
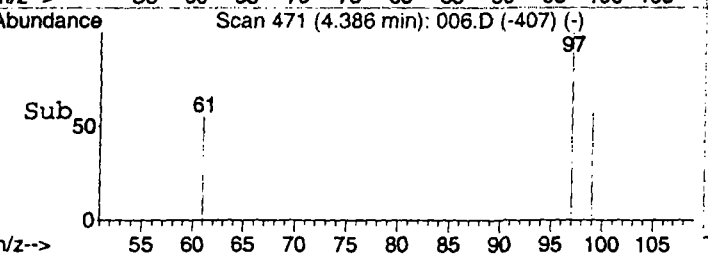
Tgt Ion: 61 Resp: 324
 Ion Ratio Lower Upper
 61 100
 96 112.3 64.8 97.2#
 98 63.6 49.8 74.8

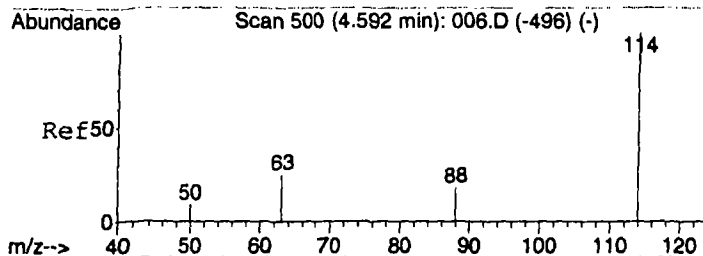


#8
 1,1,1-Trichloroethane
 Concen: 6.96 ppbv m
 RT: 4.39 min Scan# 471
 Delta R.T. -0.01 min
 Lab File: 006.D
 Acq: 12 Dec 2007 7:40



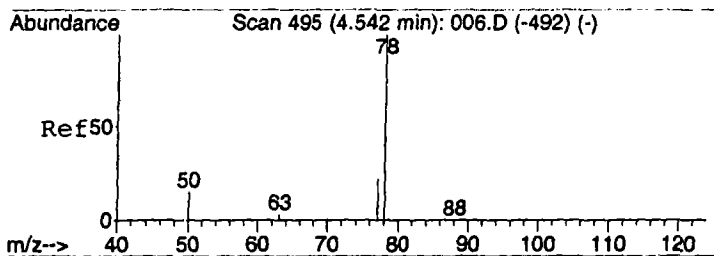
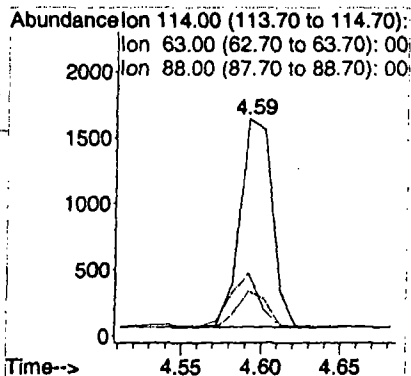
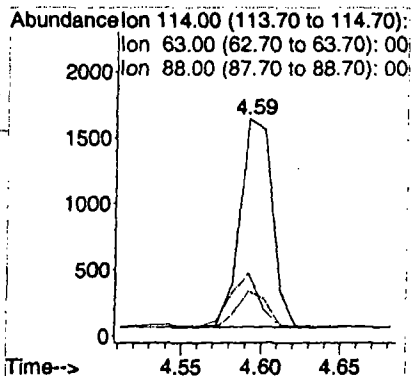
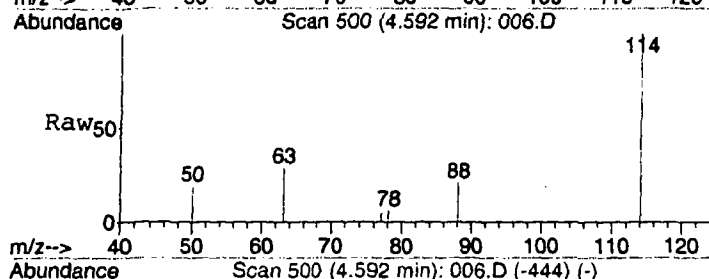
Tgt Ion: 97 Resp: 449
 Ion Ratio Lower Upper
 97 100
 99 146.3 52.2 78.2#
 61 47.9 34.6 51.8





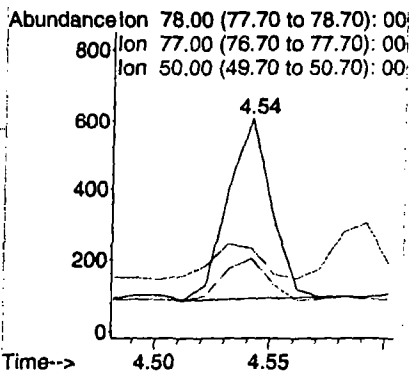
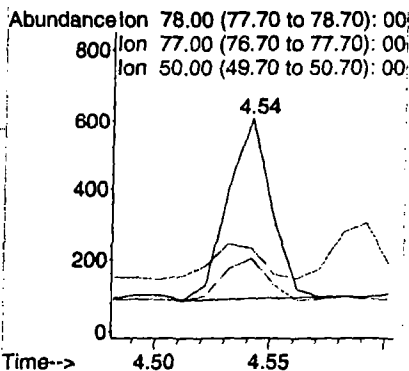
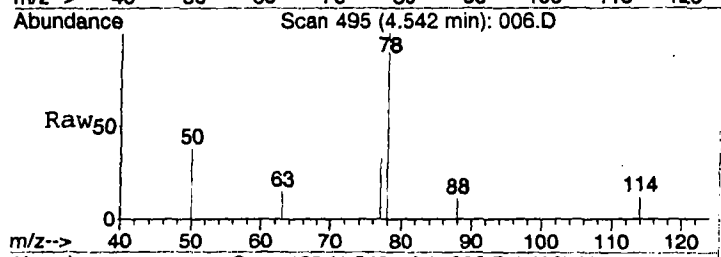
#9
1,4-Difluorobenzene
Concen: 10.00 ppbv m
RT: 4.59 min Scan# 500
Delta R.T. -0.01 min
Lab File: 006.D
Acq: 12 Dec 2007 7:40

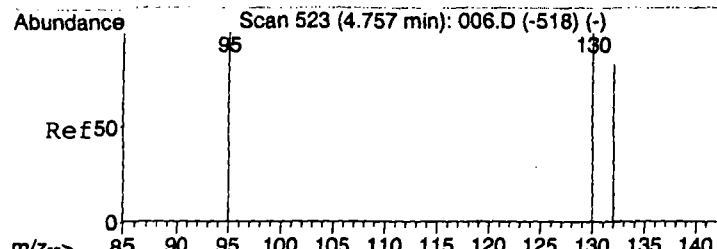
Tgt Ion: 114 Resp: 2217
Ion Ratio Lower Upper
114 100
63 27.2 15.4 23.2#
88 20.3 11.8 17.6#



#10
Benzene
Concen: 4.78 ppbv m
RT: 4.54 min Scan# 495
Delta R.T. -0.01 min
Lab File: 006.D
Acq: 12 Dec 2007 7:40

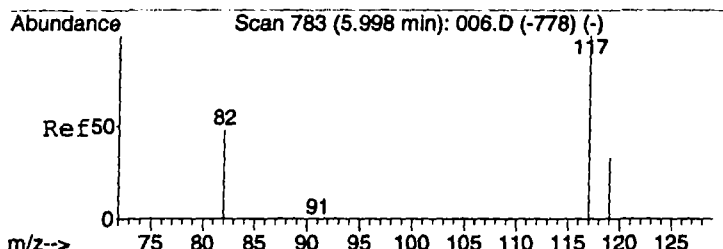
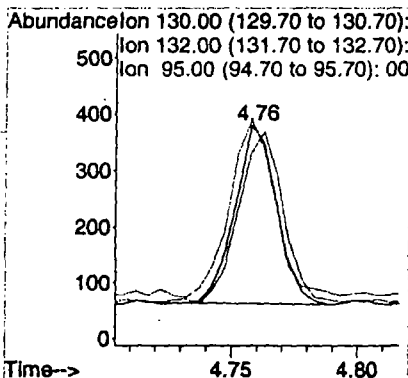
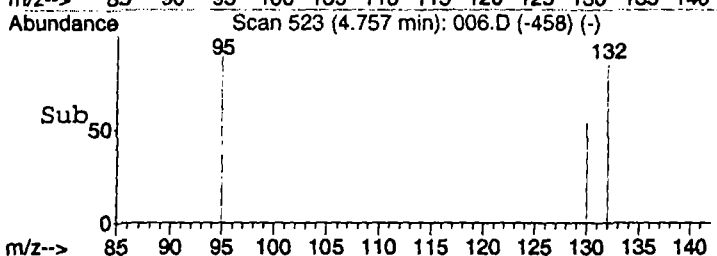
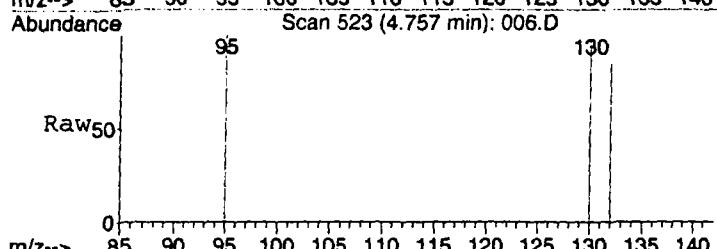
Tgt Ion: 78 Resp: 668
Ion Ratio Lower Upper
78 100
77 34.7 20.5 30.7#
50 65.0 15.9 23.9#





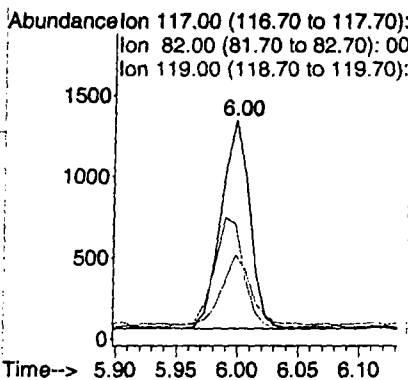
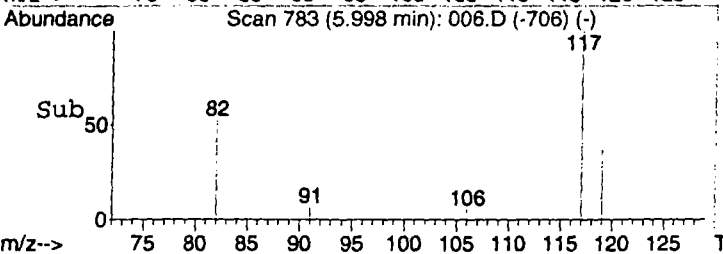
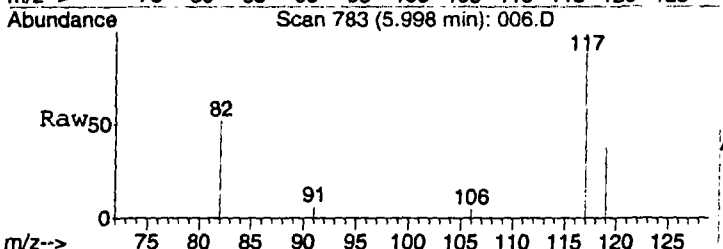
#11
Trichloroethene
Concen: 3.15 ppbv m
RT: 4.76 min Scan# 523
Delta R.T. -0.01 min
Lab File: 006.D
Acq: 12 Dec 2007 7:40

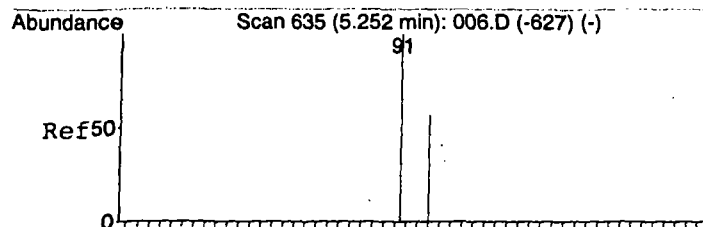
Tgt Ion: 130 Resp: 366
Ion Ratio Lower Upper
130 100
132 116.4 74.7 112.1#
95 106.8 75.2 112.8



#12
Chlorobenzene-d5
Concen: 10.00 ppbv
RT: 6.00 min Scan# 783
Delta R.T. -0.02 min
Lab File: 006.D
Acq: 12 Dec 2007 7:40

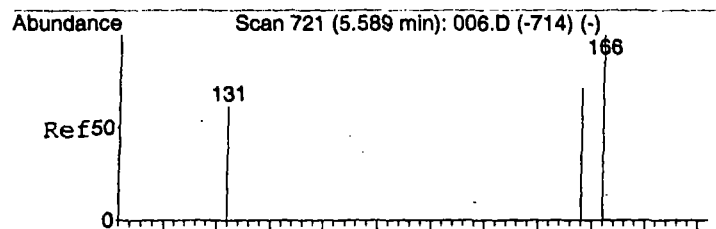
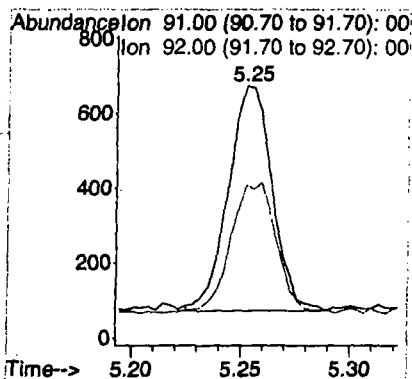
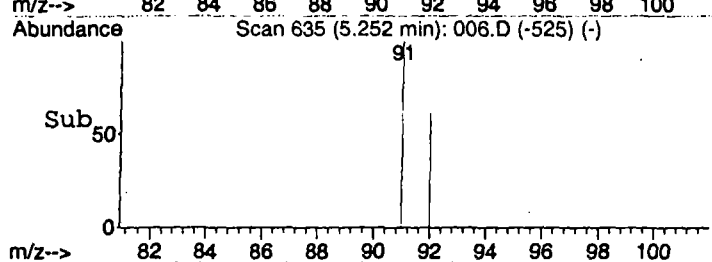
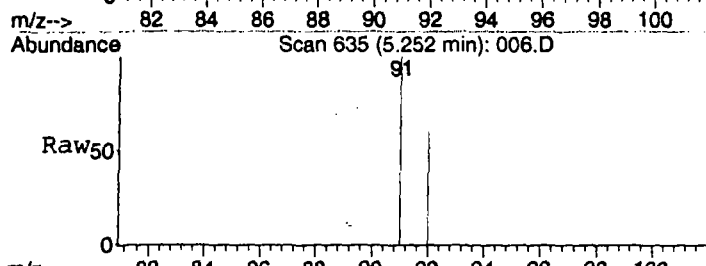
Tgt Ion: 117 Resp: 2096
Ion Ratio Lower Upper
117 100
82 54.6 41.0 61.6
119 33.6 25.5 38.3





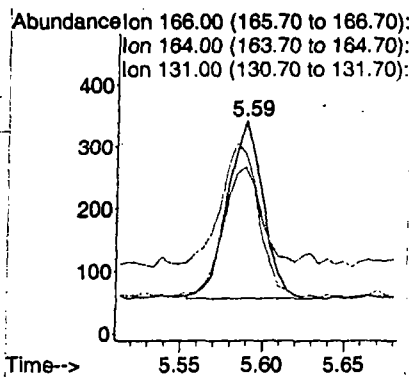
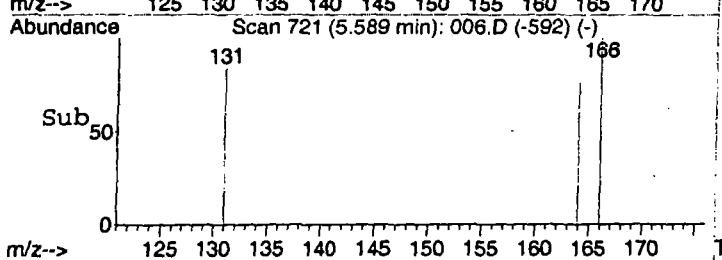
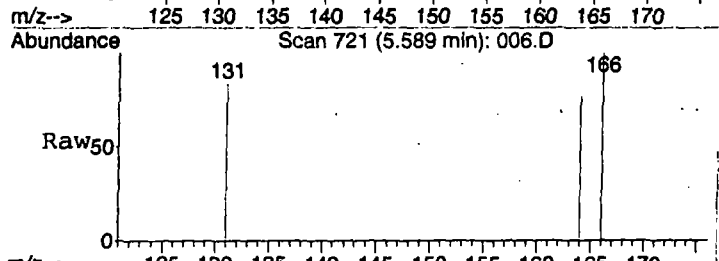
#13
Toluene
Concen: 4.32 ppbv
RT: 5.25 min Scan# 635
Delta R.T. -0.02 min
Lab File: 006.D
Acq: 12 Dec 2007 7:40

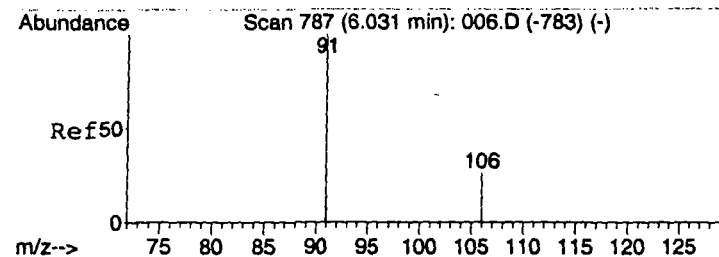
Tgt Ion: 91 Resp: 837
Ion Ratio Lower Upper
91 100
92 59.5 46.9 70.3



#14
Tetrachloroethene
Concen: 4.90 ppbv
RT: 5.59 min Scan# 721
Delta R.T. -0.02 min
Lab File: 006.D
Acq: 12 Dec 2007 7:40

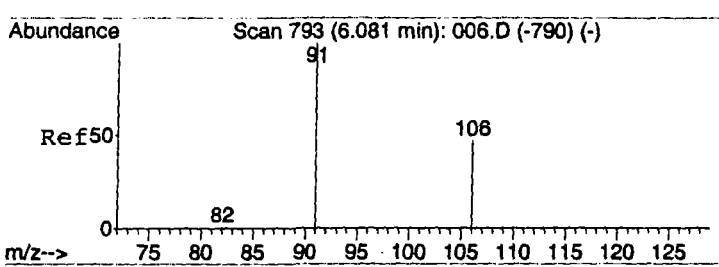
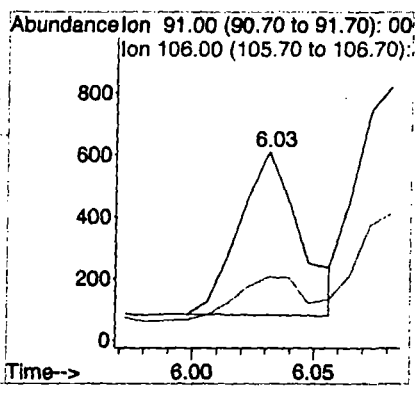
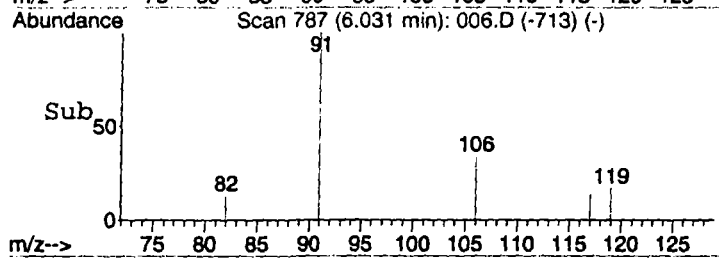
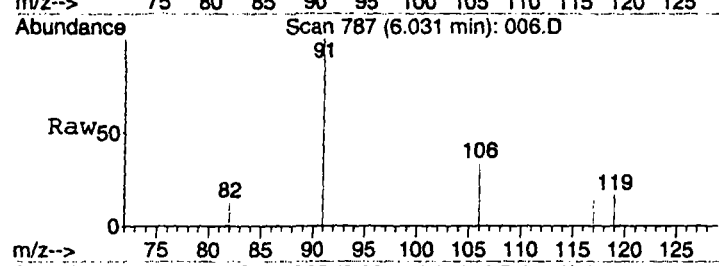
Tgt Ion: 166 Resp: 430
Ion Ratio Lower Upper
166 100
164 78.8 62.8 94.2
131 65.8 56.9 85.3





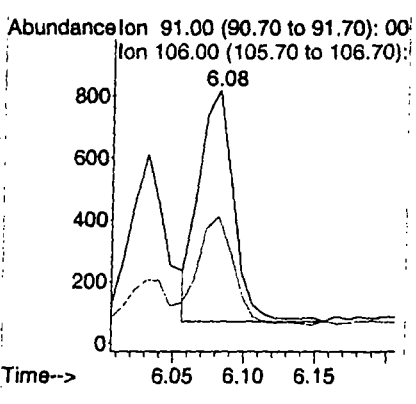
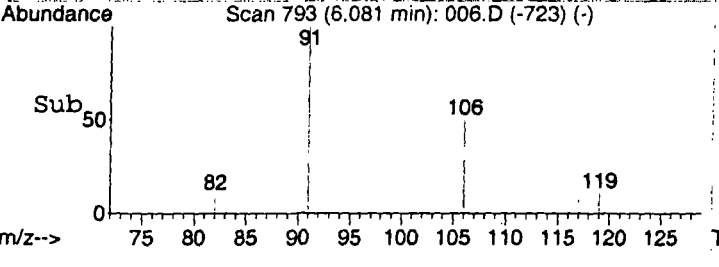
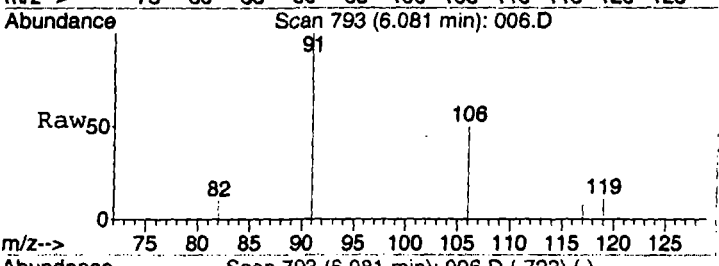
#15
Ethylbenzene
Concen: 4.66 ppbv
RT: 6.03 min Scan# 787
Delta R.T. -0.02 min
Lab File: 006.D
Acq: 12 Dec 2007 7:40

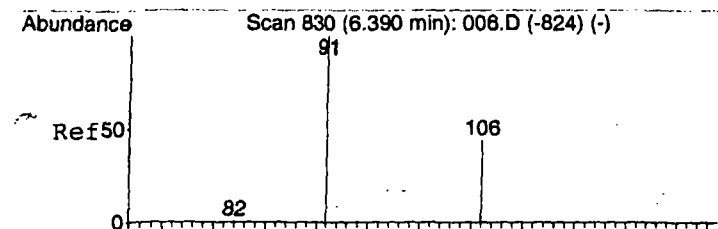
Tgt Ion:	91	Resp:	921
Ion Ratio	Lower	Upper	
91	100		
106	28.7	22.5	33.7



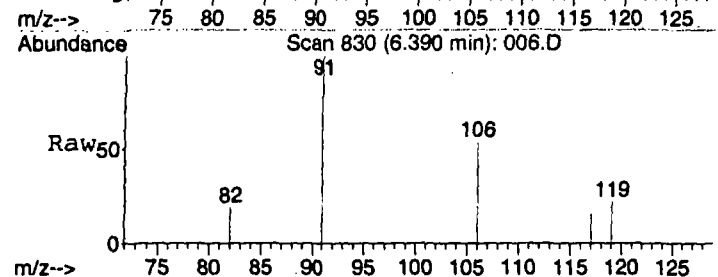
#16
m&p-Xylenes
Concen: 9.63 ppbv
RT: 6.08 min Scan# 793
Delta R.T. -0.02 min
Lab File: 006.D
Acq: 12 Dec 2007 7:40

Tgt Ion:	91	Resp:	1270
Ion Ratio	Lower	Upper	
91	100		
106	50.6	36.4	54.6

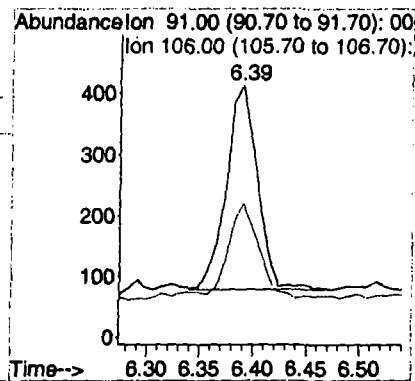
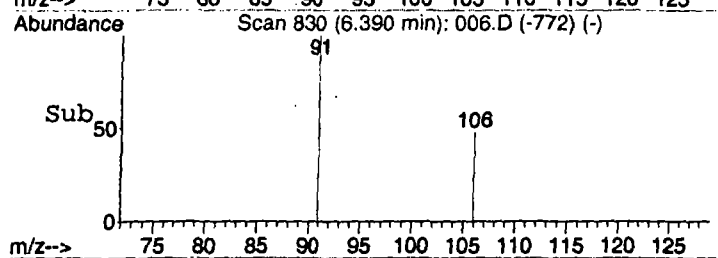




#17
 o-Xylene
 Concen: 4.16 ppbv
 RT: 6.39 min Scan# 830
 Delta R.T. -0.02 min
 Lab File: 006.D
 Acq: 12 Dec 2007 7:40



Tgt Ion: 91 Resp: 681
 Ion Ratio Lower Upper
 91 100
 106 49.8 33.9 50.9



Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\2007\20071212\007.D

Vial: 1

Acq On : 12 Dec 2007 7:56

Operator: CWS

Sample : 20071212STD-4\ 50.0 PPBV STD

Inst : Instrumen

Misc : 5 mL\12 Dec 2007

Multiplr: 1.00

MS Integration Params: rteint.p

Quant Time: Dec 12 08:03:20 2007

Quant Results File: LOOP20071212.RES

Quant Method : C:\MSDCHEM\1...\LOOP20071212.M (RTE Integrator)

Title : VOC

Last Update : Wed Dec 12 07:58:30 2007

Response via : Initial Calibration

DataAcq Meth : LOOPSIMI

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	4.27	49	947m	10.00	ppbv	0.01
9) 1,4-Difluorobenzene	4.60	114	2240m	10.00	ppbv	0.00
12) Chlorobenzene-d5	6.00	117	2094	10.00	ppbv	0.00

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Vinyl Chloride	2.32	62	2712	48.70	ppbv	100
3) 1,1-Dichloroethene	3.41	61	4450	68.93	ppbv	94
4) Methyl tert-Butyl Ether (M	3.71	73	4437m	51.19	ppbv	
5) trans-1,2-Dichloroethene	3.77	61	4276m	67.82	ppbv	
6) 1,1-Dichloroethane	3.92	63	5013m	75.07	ppbv	
7) cis-1,2-Dichloroethene	4.15	61	3834m	63.18	ppbv	
8) 1,1,1-Trichloroethane	4.39	97	5200m	78.38	ppbv	
10) Benzene	4.54	78	7567m	54.36	ppbv	
11) Trichloroethene	4.76	130	3746m	36.42	ppbv	
13) Toluene	5.26	91	8917	48.24	ppbv	99
14) Tetrachloroethene	5.59	166	4810	55.22	ppbv	97
15) Ethylbenzene	6.03	91	10770	55.77	ppbv	98
16) m&p-Xylenes	6.08	91	14658	112.67	ppbv	97
17) o-Xylene	6.39	91	7784	50.39	ppbv	98

Data File : C:\MSDCHEM\1\DATA\2007\20071212\007.D

Vial: 1

Acq On : 12 Dec 2007 7:56

Operator: CWS

Sample : 20071212STD-4\ 50.0 PPBV STD

Inst : Instrumen

Misc : 5 mL\12 Dec 2007

Multiplr: 1.00

MS Integration Params: rteint.p

Quant Time: Dec 12 8:04 2007

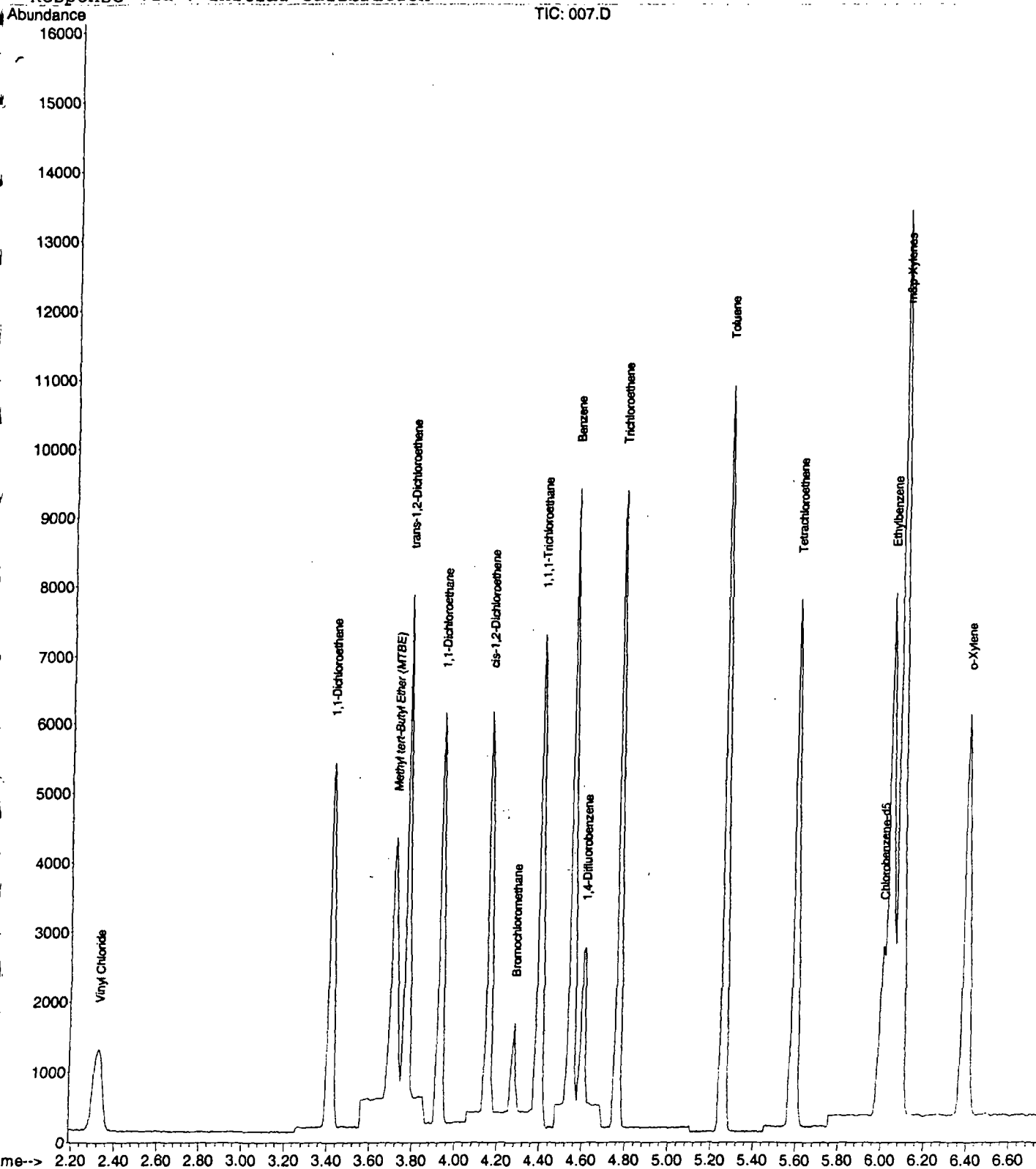
Quant Results File: LOOP20071212.RES

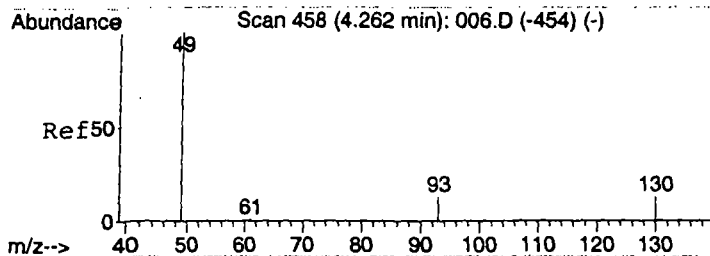
Method : C:\MSDCHEM\1\METHODS\LOOP20071212.M (RTE Integrator)

Title : VOC

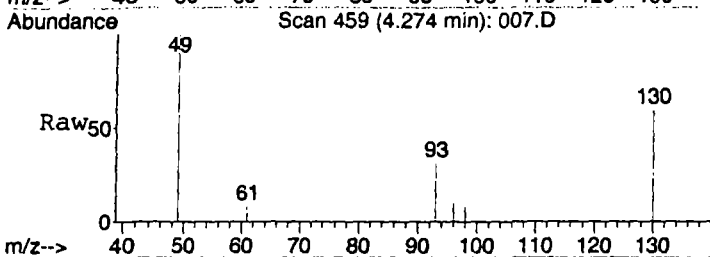
Last Update : Tue Dec 18 13:57:12 2007

Response via : Initial Calibration

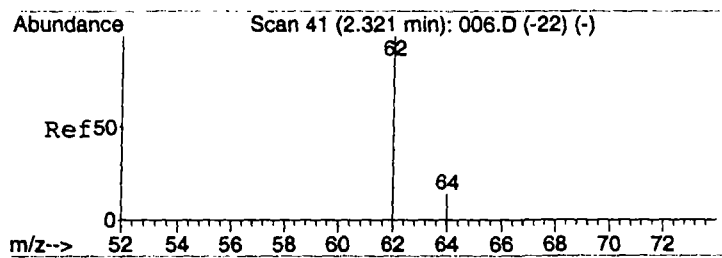
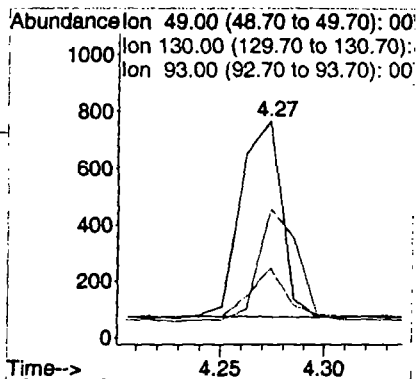
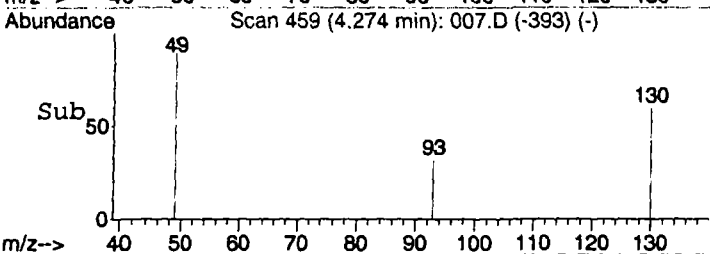




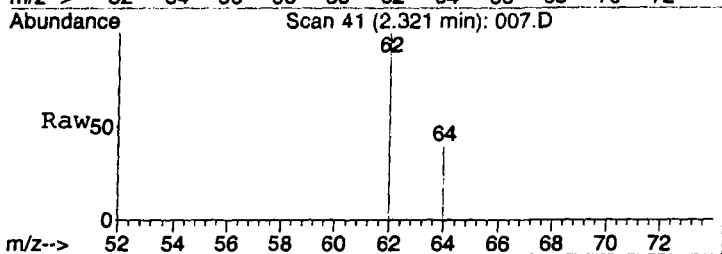
#1
Bromochloromethane
Concen: 10.00 ppbv m
RT: 4.27 min Scan# 459
Delta R.T. 0.01 min
Lab File: 007.D
Acq: 12 Dec 2007 7:56



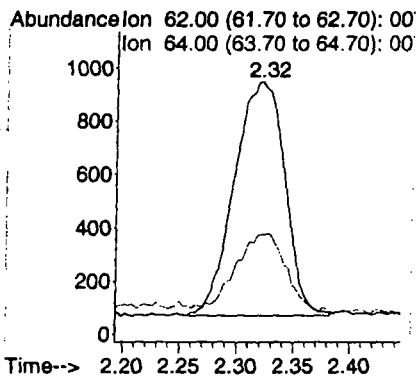
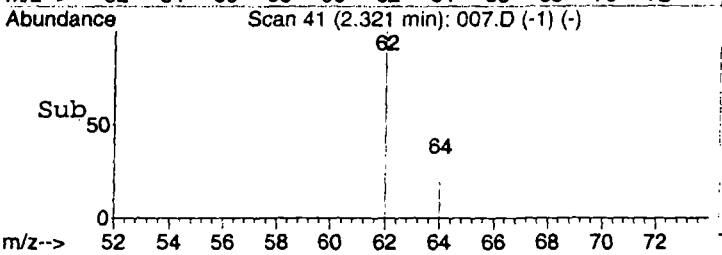
Tgt Ion: 49 Resp: 947
Ion Ratio Lower Upper
49 100
130 100.4 105.7 158.5#
93 79.1 24.4 36.6#

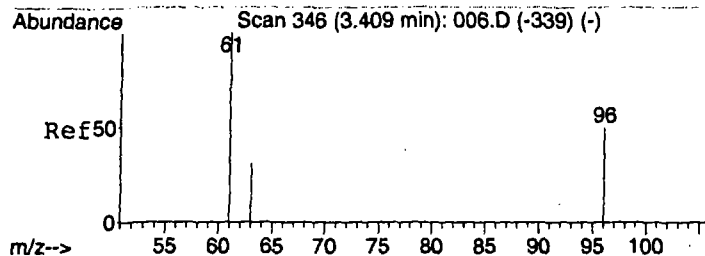


#2
Vinyl Chloride
Concen: 48.70 ppbv
RT: 2.32 min Scan# 41
Delta R.T. -0.00 min
Lab File: 007.D
Acq: 12 Dec 2007 7:56



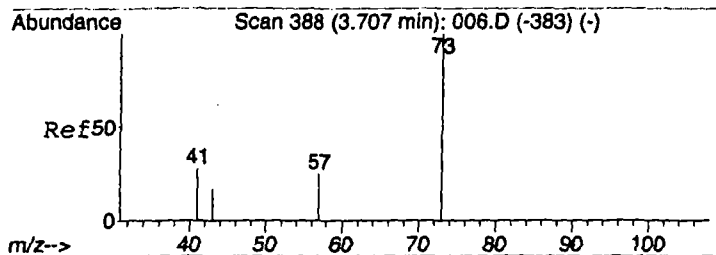
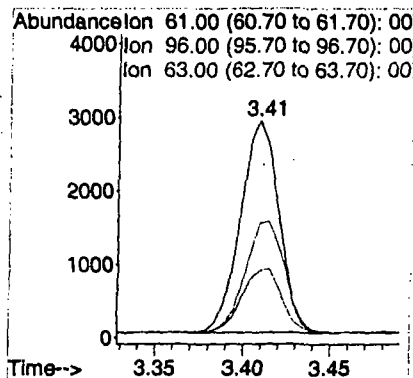
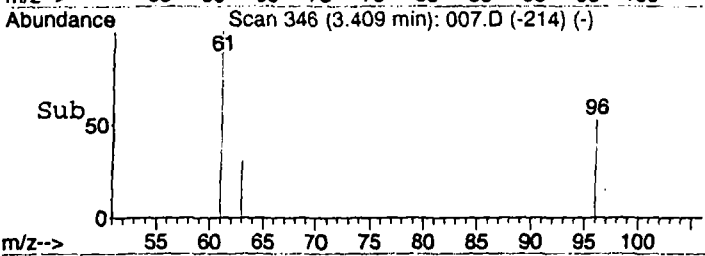
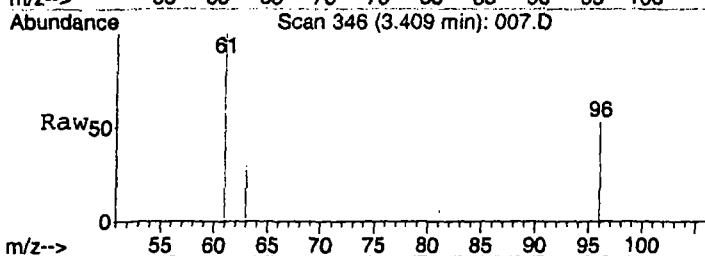
Tgt Ion: 62 Resp: 2712
Ion Ratio Lower Upper
62 100
64 32.2 25.5 38.3





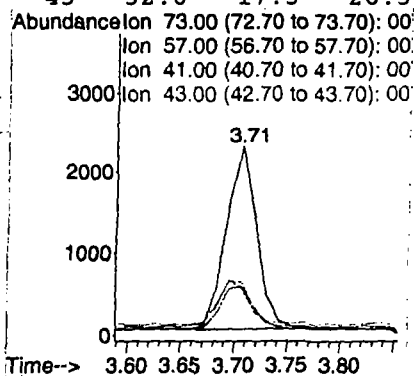
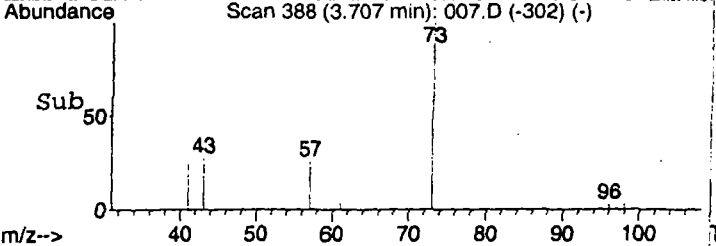
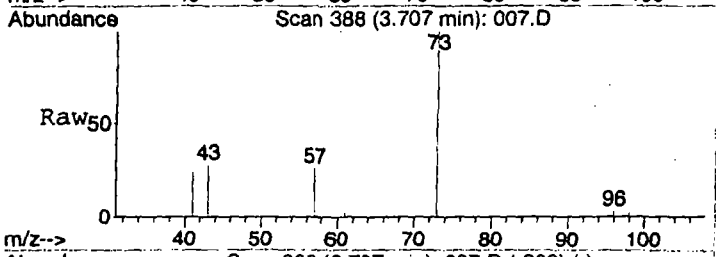
#3
 1,1-Dichloroethene
 Concen: 68.93 ppbv
 RT: 3.41 min Scan# 346
 Delta R.T. -0.00 min
 Lab File: 007.D
 Acq: 12 Dec 2007 7:56

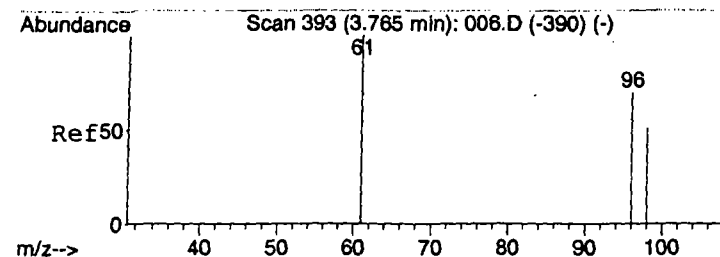
Tgt Ion:	61	Resp:	4450
Ion	Ratio	Lower	Upper
61	100		
96	53.9	48.4	72.6
63	31.0	24.4	36.6



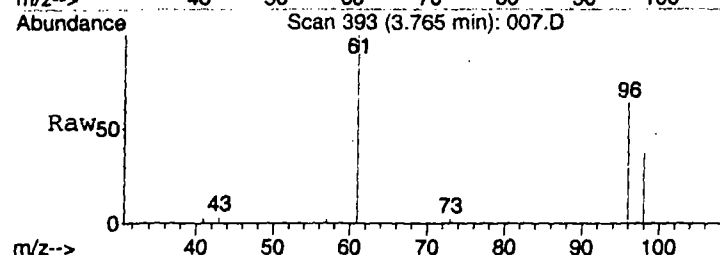
#4
 Methyl tert-Butyl Ether (MTBE)
 Concen: 51.19 ppbv m
 RT: 3.71 min Scan# 388
 Delta R.T. -0.00 min
 Lab File: 007.D
 Acq: 12 Dec 2007 7:56

Tgt Ion:	73	Resp:	4437
Ion	Ratio	Lower	Upper
73	100		
57	46.1	19.1	28.7#
41	26.0	16.5	24.7#
43	32.6	17.5	26.3#

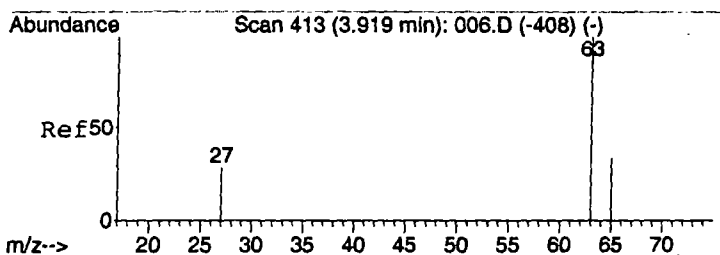
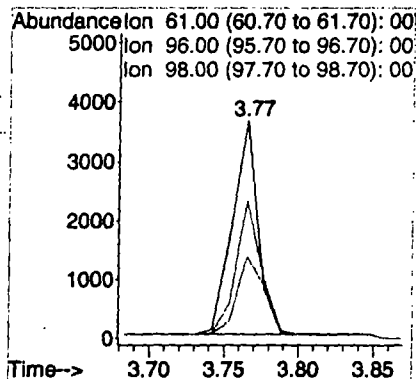
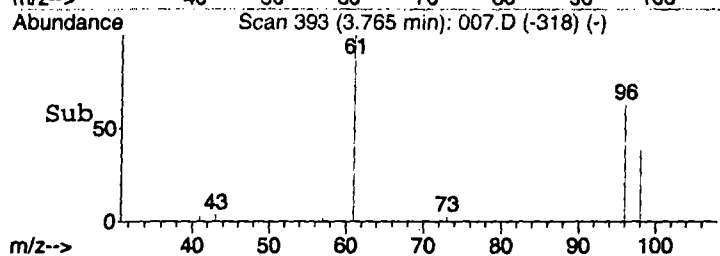




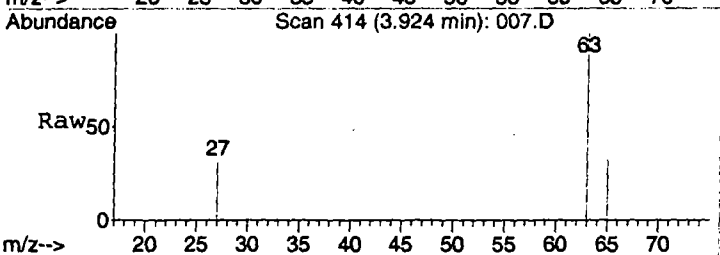
#5
trans-1,2-Dichloroethene
Concen: 67.82 ppbv m
RT: 3.77 min Scan# 393
Delta R.T. -0.00 min
Lab File: 007.D
Acq: 12 Dec 2007 7:56



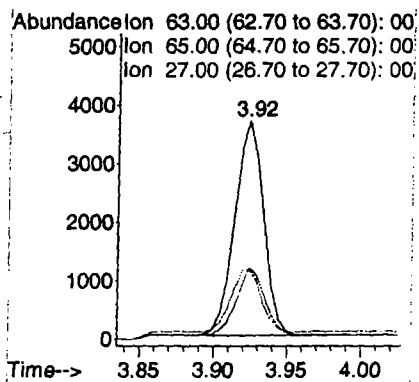
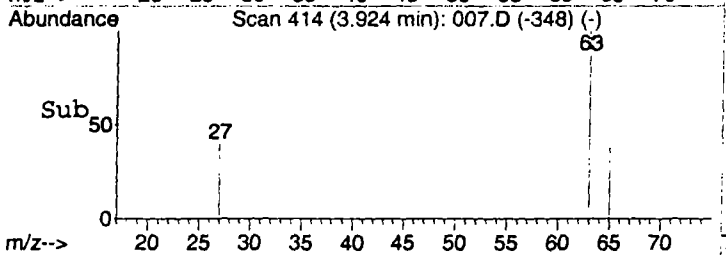
Tgt Ion: 61 Resp: 4276
Ion Ratio Lower Upper
61 100
96 62.6 56.8 85.2
98 49.5 42.1 63.1

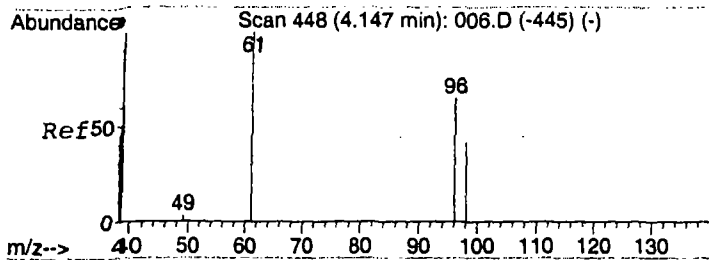


#6
1,1-Dichloroethane
Concen: 75.07 ppbv m
RT: 3.92 min Scan# 414
Delta R.T. 0.00 min
Lab File: 007.D
Acq: 12 Dec 2007 7:56

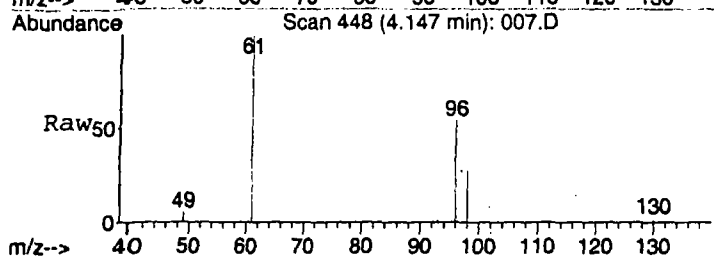


Tgt Ion: 63 Resp: 5013
Ion Ratio Lower Upper
63 100
65 32.9 26.5 39.7
27 33.2 18.0 27.0#

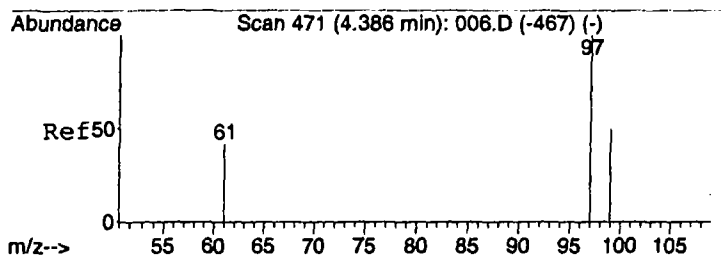
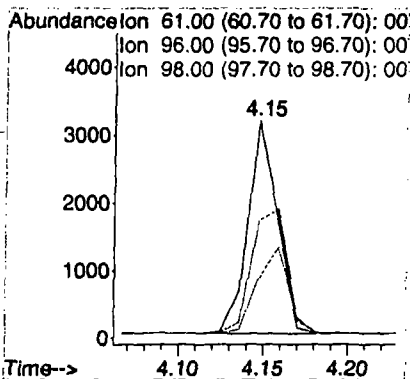
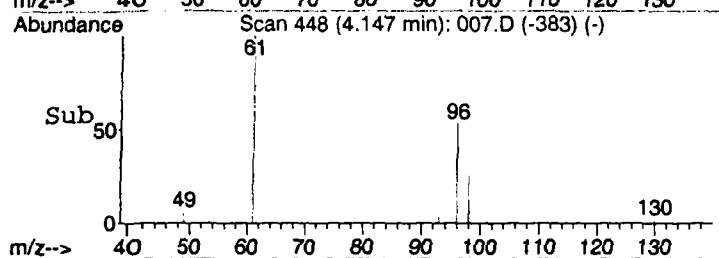




#7
 cis-1,2-Dichloroethene
 Concen: 63.18 ppbv m
 RT: 4.15 min Scan# 448
 Delta R.T. -0.00 min
 Lab File: 007.D
 Acq: 12 Dec 2007 7:56

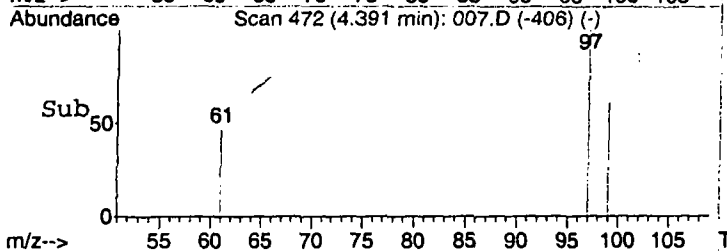
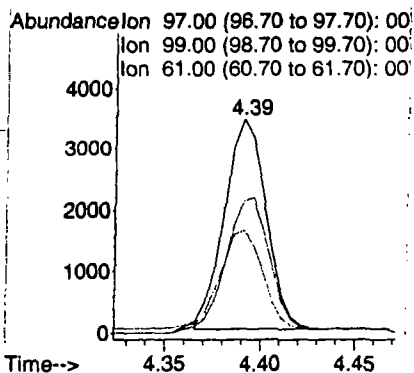
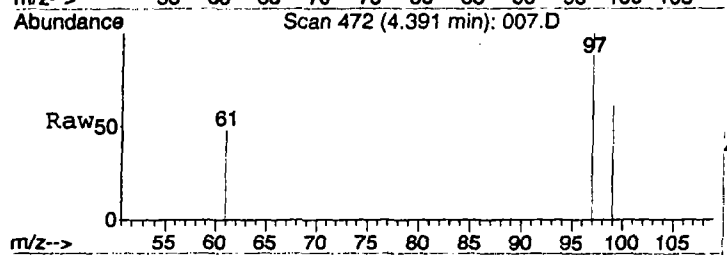


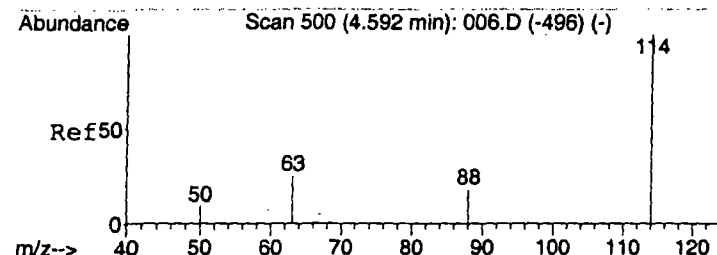
Tgt Ion: 61 Resp: 3834
 Ion Ratio Lower Upper
 61 100
 96 76.4 64.8 97.2
 98 47.1 49.8 74.8#



#8
 1,1,1-Trichloroethane
 Concen: 78.38 ppbv m
 RT: 4.39 min Scan# 472
 Delta R.T. 0.00 min
 Lab File: 007.D
 Acq: 12 Dec 2007 7:56

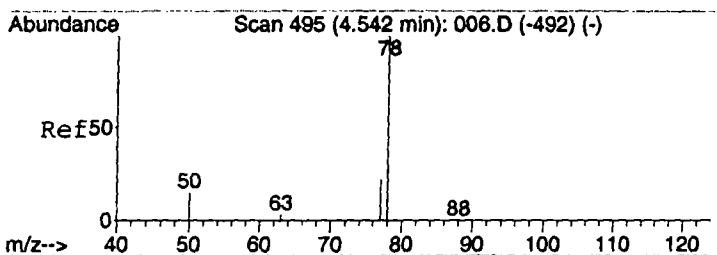
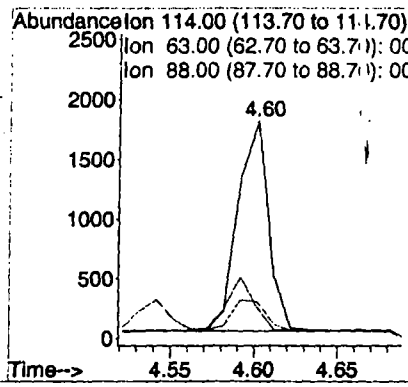
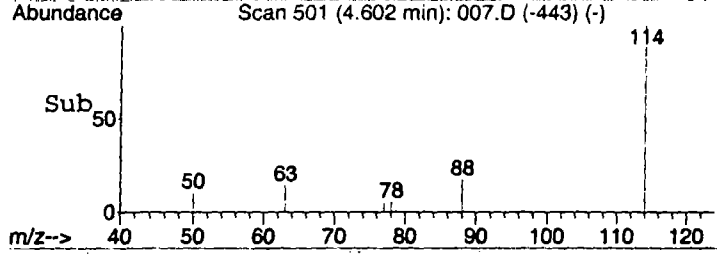
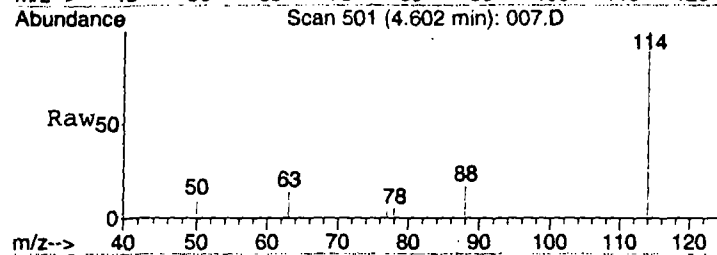
Tgt Ion: 97 Resp: 5200
 Ion Ratio Lower Upper
 97 100
 99 80.5 52.2 78.2#
 61 55.8 34.6 51.8#





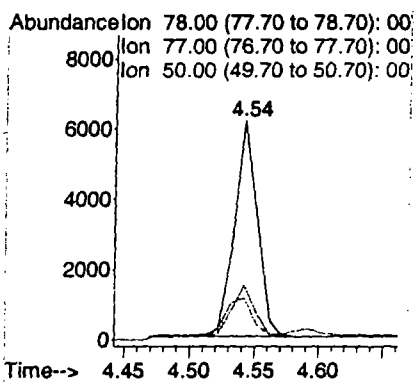
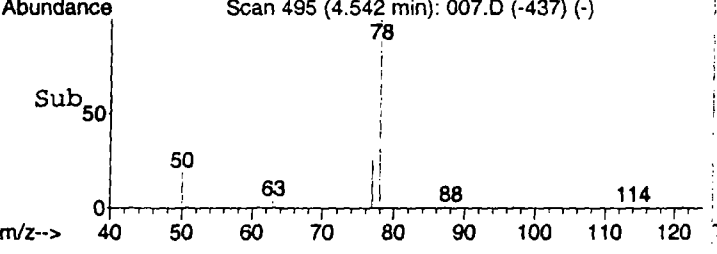
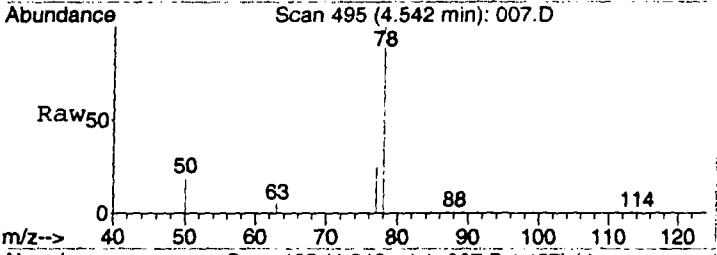
#9
1,4-Difluorobenzene
Concen: 10.00 ppbv m
RT: 4.60 min Scan# 501
Delta R.T. 0.01 min
Lab File: 007.D
Acq: 12 Dec 2007 7:56

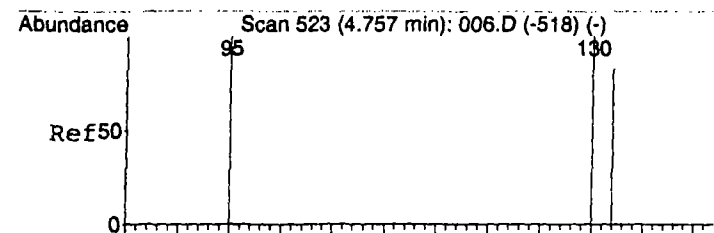
Tgt Ion	Ratio	Lower	Upper
114	100		
63	26.5	15.4	33.2#
88	19.7	11.8	17.6#



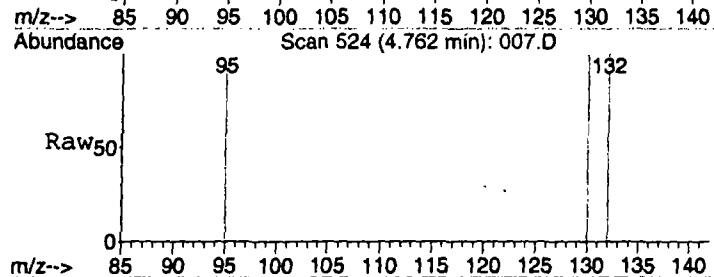
#10
Benzene
Concen: 54.36 ppbv m
RT: 4.54 min Scan# 495
Delta R.T. -0.00 min
Lab File: 007.D
Acq: 12 Dec 2007 7:56

Tgt Ion	Ratio	Lower	Upper
78	100		
77	30.8	20.5	30.7#
50	25.2	15.9	23.9#

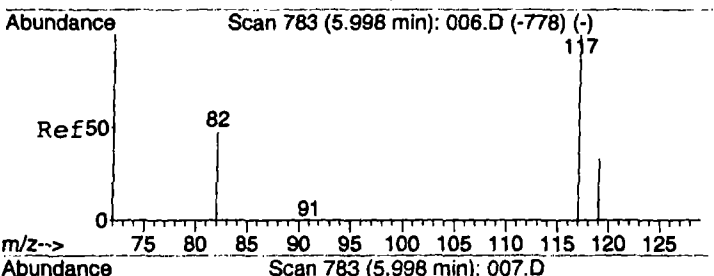
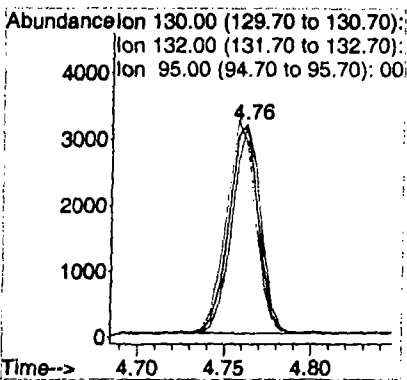
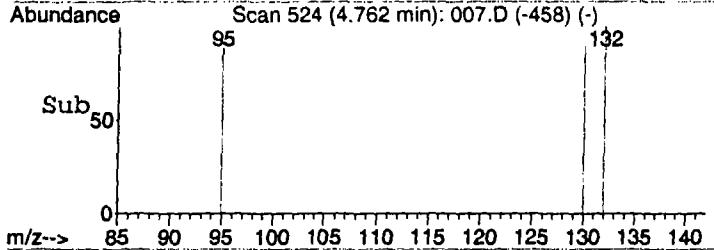




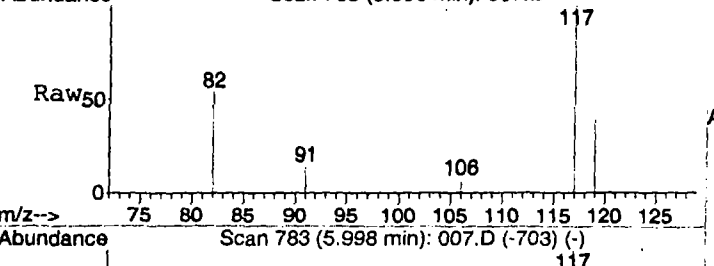
#11
Trichloroethene
Concen: 36.42 ppbv m
RT: 4.76 min Scan# 524
Delta R.T. 0.00 min
Lab File: 007.D
Acq: 12 Dec 2007 7:56



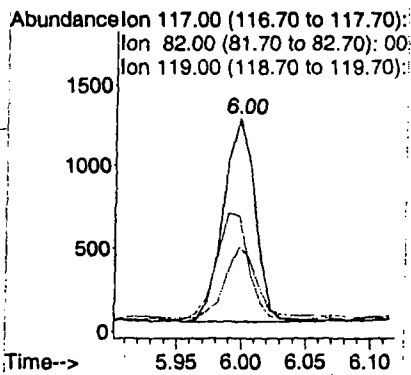
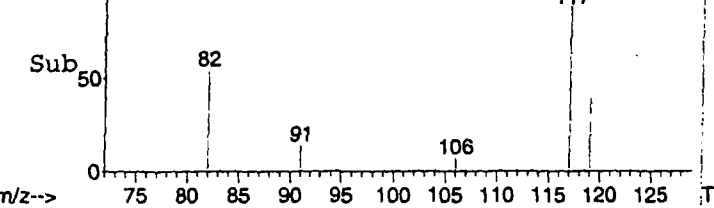
Tgt Ion:130 Resp: 3746
Ion Ratio Lower Upper
130 100
132 97.4 74.7 112.1
95 102.0 75.2 112.8

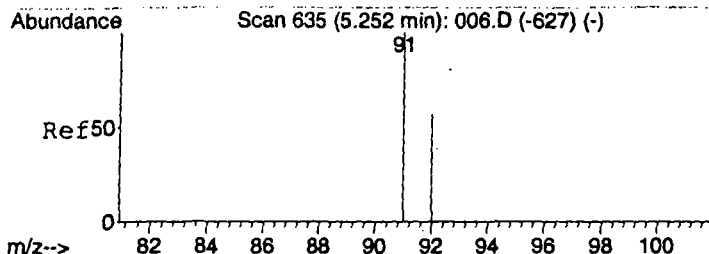


#12
Chlorobenzene-d5
Concen: 10.00 ppbv
RT: 6.00 min Scan# 783
Delta R.T. -0.00 min
Lab File: 007.D
Acq: 12 Dec 2007 7:56



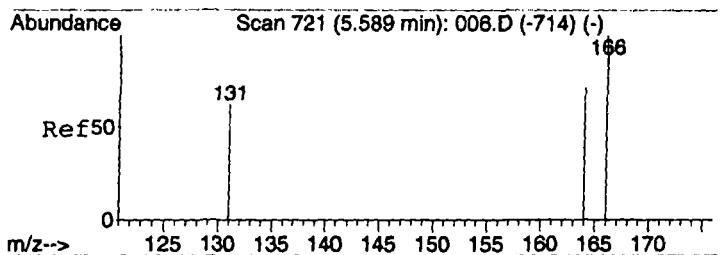
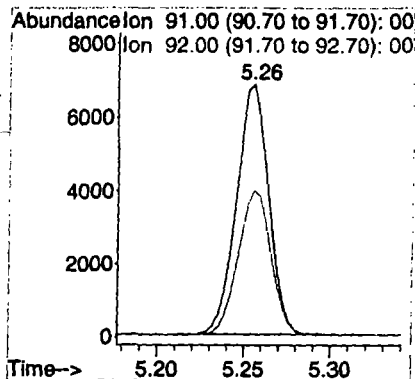
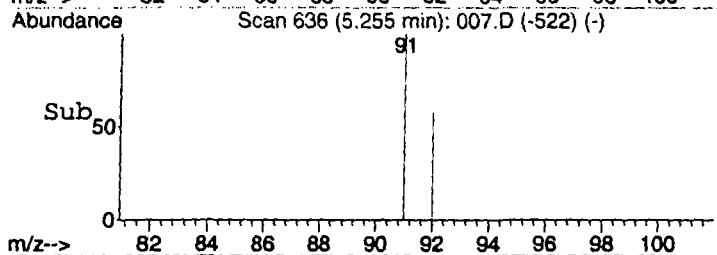
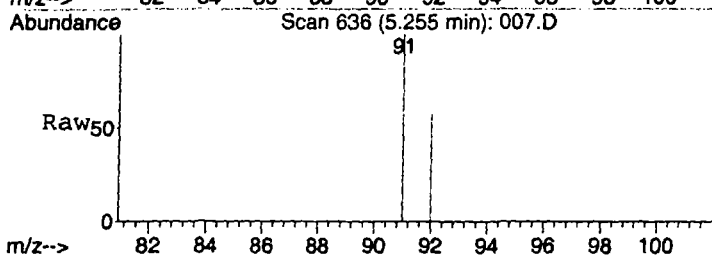
Tgt Ion:117 Resp: 2094
Ion Ratio Lower Upper
117 100
82 53.7 41.0 61.6
119 34.8 25.5 38.3





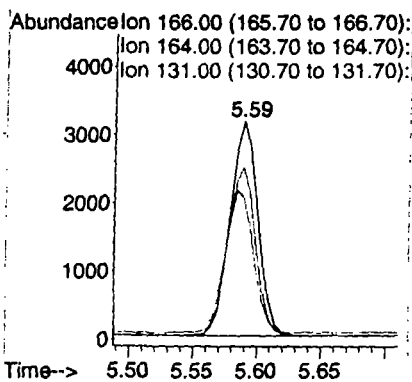
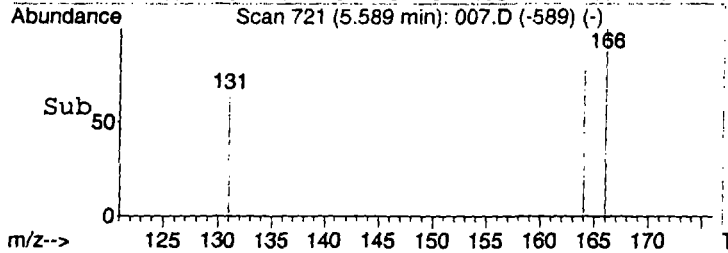
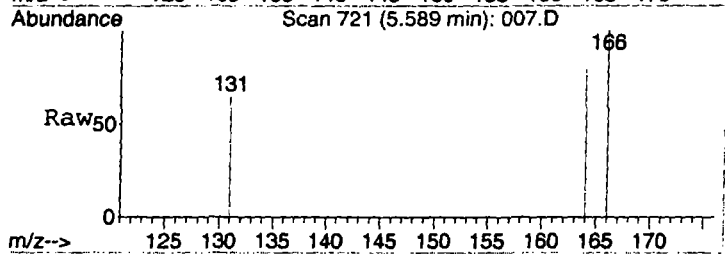
#13
Toluene
Concen: 48.24 ppbv
RT: 5.26 min Scan# 636
Delta R.T. 0.00 min
Lab File: 007.D
Acq: 12 Dec 2007 7:56

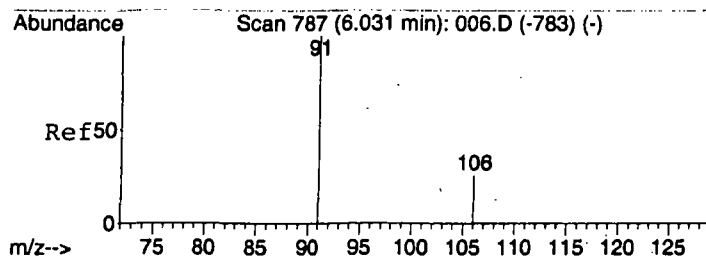
Tgt Ion: 91 Resp: 8917
Ion Ratio Lower Upper
91 100
92 59.1 46.9 70.3



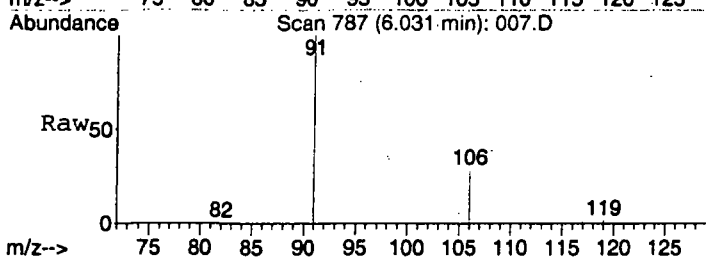
#14
Tetrachloroethene
Concen: 55.22 ppbv
RT: 5.59 min Scan# 721
Delta R.T. -0.00 min
Lab File: 007.D
Acq: 12 Dec 2007 7:56

Tgt Ion: 166 Resp: 4810
Ion Ratio Lower Upper
166 100
164 78.6 62.8 94.2
131 66.9 56.9 85.3

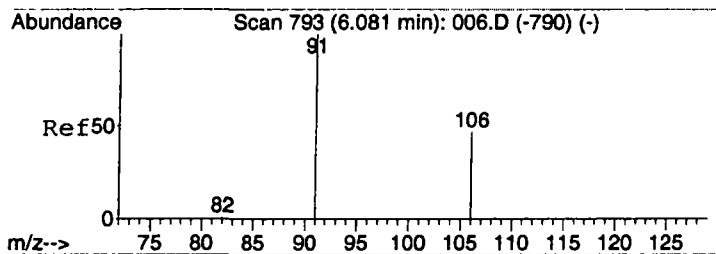
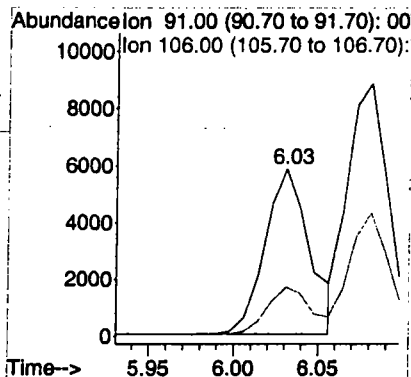
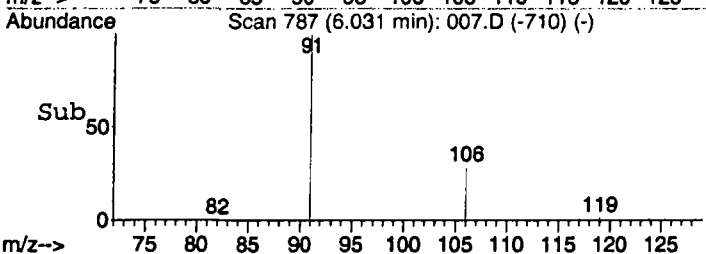




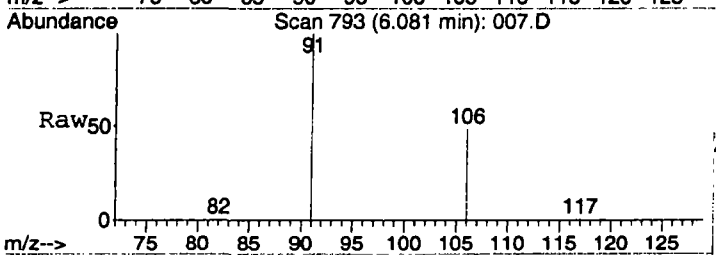
#15
Ethylbenzene
Concen: 55.77 ppbv
RT: 6.03 min Scan# 787
Delta R.T. -0.00 min
Lab File: 007.D
Acq: 12 Dec 2007 7:56



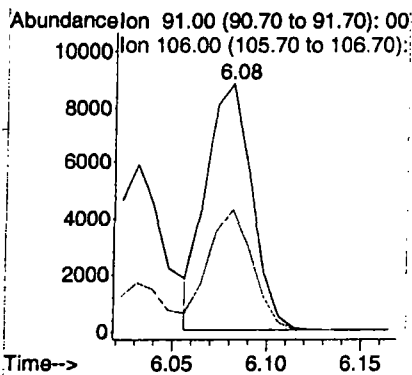
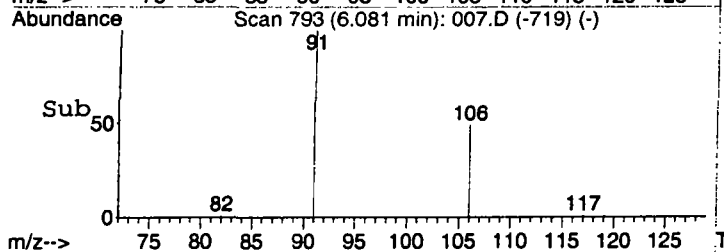
Tgt Ion: 91 Resp: 10770
Ion Ratio Lower Upper
91 100
106 28.9 22.5 33.7

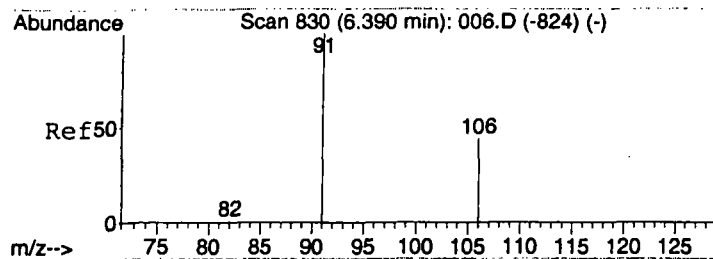


#16
m&p-Xylenes
Concen: 112.67 ppbv
RT: 6.08 min Scan# 793
Delta R.T. -0.00 min
Lab File: 007.D
Acq: 12 Dec 2007 7:56



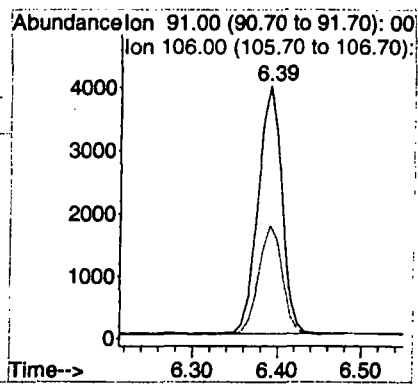
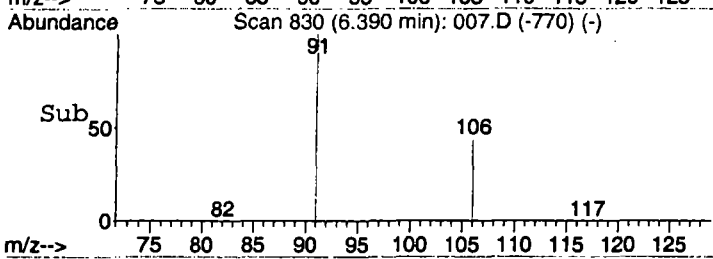
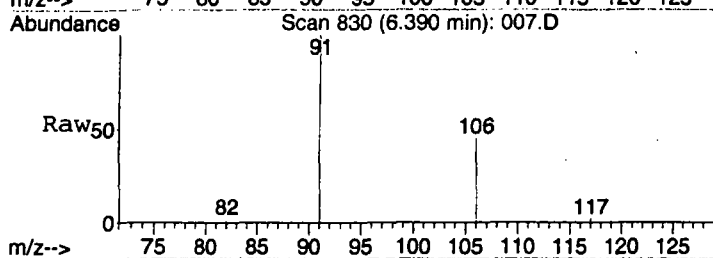
Tgt Ion: 91 Resp: 14658
Ion Ratio Lower Upper
91 100
106 47.5 36.4 54.6





#17
 o-Xylene
 Concen: 50.39 ppbv
 RT: 6.39 min Scan# 830
 Delta R.T. -0.00 min
 Lab File: 007.D
 Acq: 12 Dec 2007 7:56

Tgt Ion: 91 Resp: 7784
 Ion Ratio Lower Upper
 91 100
 106 43.9 33.9 50.9



Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\2007\20071212\008.D Vial: 1
 Acq On : 12 Dec 2007 8:06 Operator: CWS
 Sample : 20071212STD-5\ 500.0 PPBV STD Inst : Instrumen
 Disc : 5 mL\12 Dec 2007 Multiplr: 1.00
 MS Integration Params: rteint.p
 Quant Time: Dec 12 08:13:39 2007 Quant Results File: LOOP20071212.RES

Quant Method : C:\MSDCHEM\1...\LOOP20071212.M (RTE Integrator)
 Title : VOC
 Last Update : Wed Dec 12 08:05:29 2007
 Response via : Initial Calibration
 DataAcq Meth : LOOPSIMI

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	4.26	49	1032	10.00	ppbv	0.00
9) 1,4-Difluorobenzene	4.59	114	2343m	10.00	ppbv	0.00
12) Chlorobenzene-d5	5.99	117	2167	10.00	ppbv	0.00

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Vinyl Chloride	2.32	62	29394	488.60	ppbv	100
3) 1,1-Dichloroethene	3.41	61	50246	652.44	ppbv	95
4) Methyl tert-Butyl Ether (M	3.70	73	59938m	630.76	ppbv	
5) trans-1,2-Dichloroethene	4.15	61	44923m	600.32	ppbv	
6) 1,1-Dichloroethane	3.92	63	58011	708.38	ppbv #	87
7) cis-1,2-Dichloroethene	4.15	61	44947m	637.64	ppbv	
8) 1,1,1-Trichloroethane	4.39	97	60562m	733.57	ppbv	
10) Benzene	4.54	78	88841m	597.11	ppbv	
11) Trichloroethene	4.76	130	43254	431.28	ppbv	96
13) Toluene	5.25	91	107908	569.14	ppbv	98
14) Tetrachloroethene	5.58	166	57601	622.74	ppbv	97
15) Ethylbenzene	6.03	91	132414	644.04	ppbv	97
16) m&p-Xylenes	6.07	91	207507	1494.01	ppbv	97
17) o-Xylene	6.38	91	105322	657.52	ppbv	97

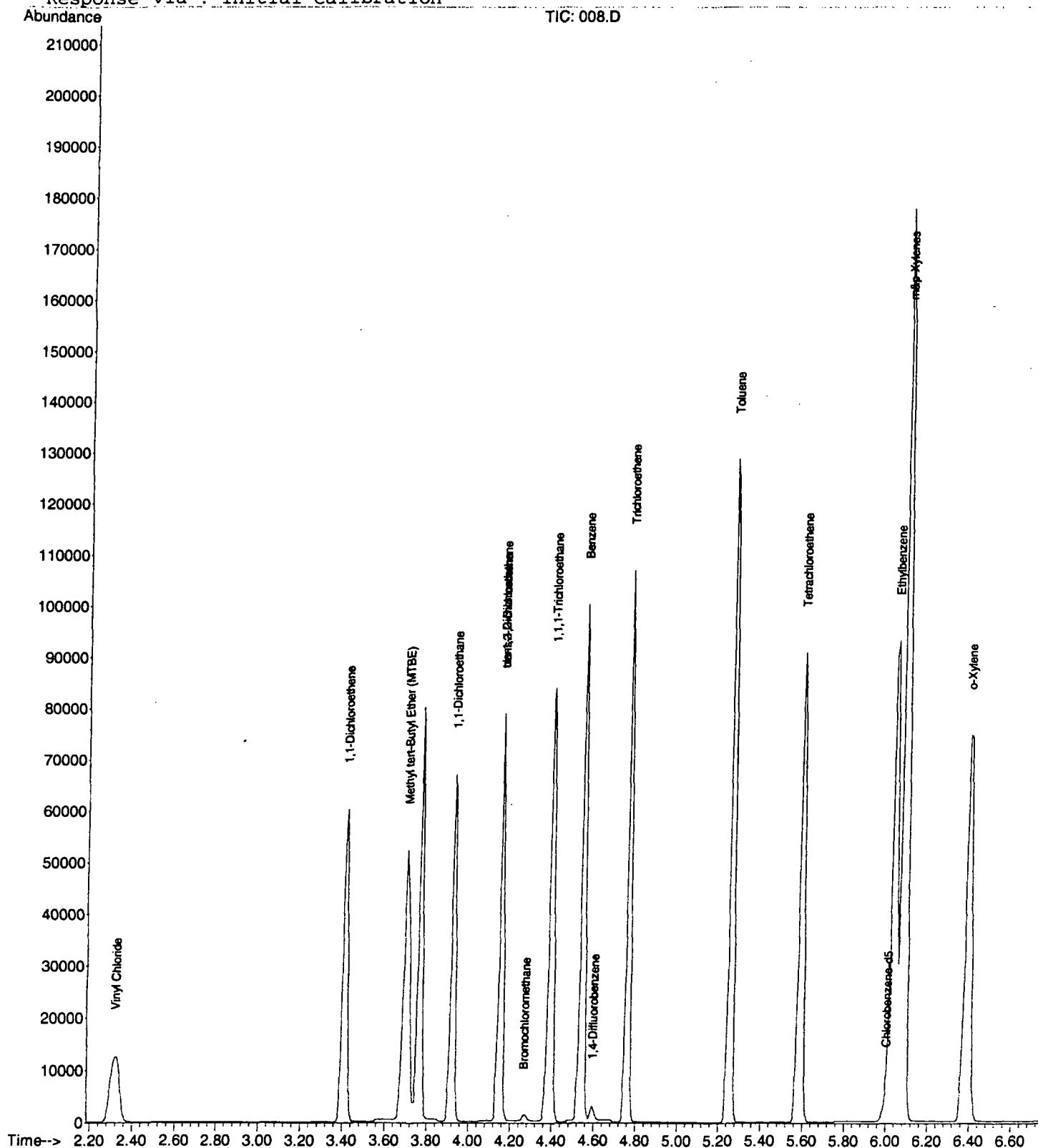
Quantitation Report (QT Reviewed)

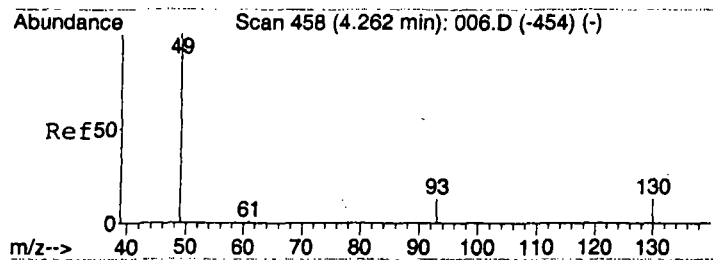
Data File : C:\MSDCHEM\1\DATA\2007\20071212\008.D
 Acq On : 12 Dec 2007 8:06
 Sample : 20071212STD-5\ 500.0 PPBV STD
 Misc : 5 mL\12 Dec 2007
 MS Integration Params: rteint.p
 Quant Time: Dec 12 8:15 2007

Vial: 1
 Operator: CWS
 Inst : Instrumen
 Multiplr: 1.00

Quant Results File: LOOP20071212.RES

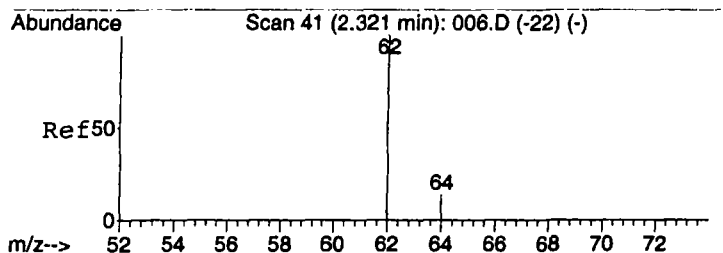
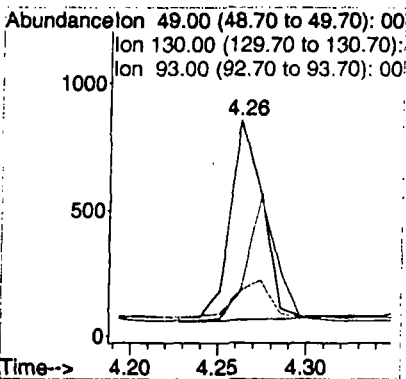
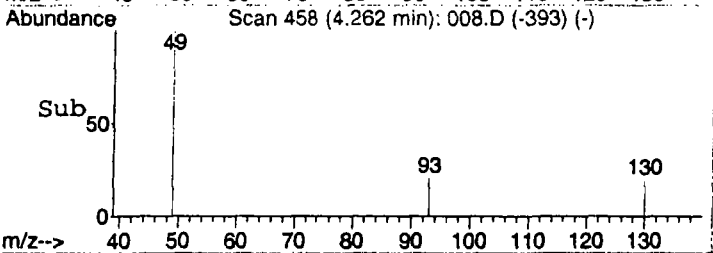
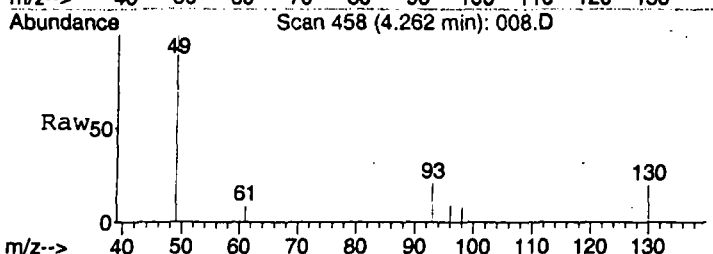
Method : C:\MSDCHEM\1\METHODS\LOOP20071212.M (RTE Integrator)
 Title : VOC
 Last Update : Tue Dec 18 13:57:12 2007
 Response via : Initial Calibration





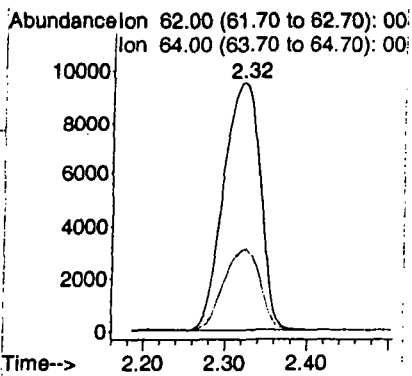
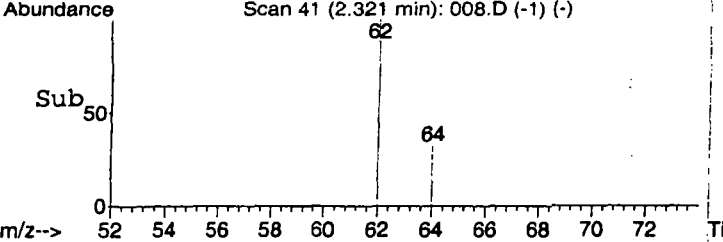
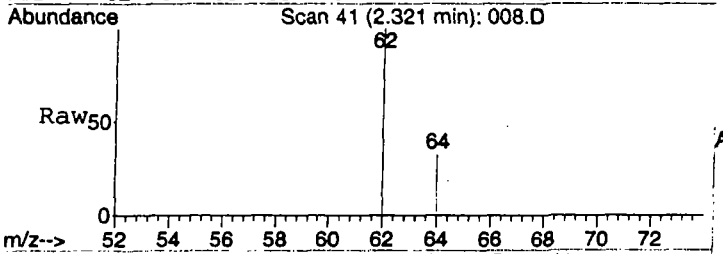
#1
 Bromochloromethane
 Concen: 10.00 ppbv
 RT: 4.26 min Scan# 458
 Delta R.T. -0.00 min
 Lab File: 008.D
 Acq: 12 Dec 2007 8:06

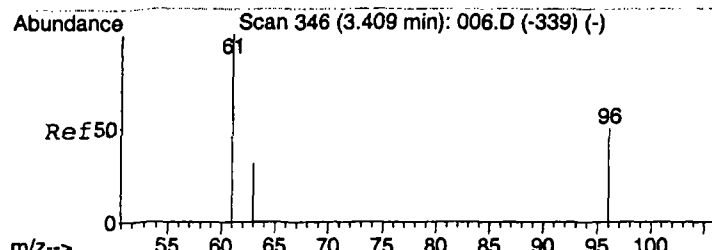
Tgt Ion: 49 Resp: 1032
 Ion Ratio Lower Upper
 49 100
 130 0.0 105.7 158.5#
 93 71.4 24.4 36.6#



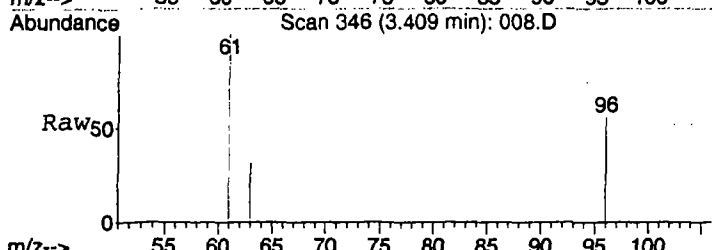
#2
 Vinyl Chloride
 Concen: 488.60 ppbv
 RT: 2.32 min Scan# 41
 Delta R.T. -0.00 min
 Lab File: 008.D
 Acq: 12 Dec 2007 8:06

Tgt Ion: 62 Resp: 29394
 Ion Ratio Lower Upper
 62 100
 64 31.8 25.5 38.3

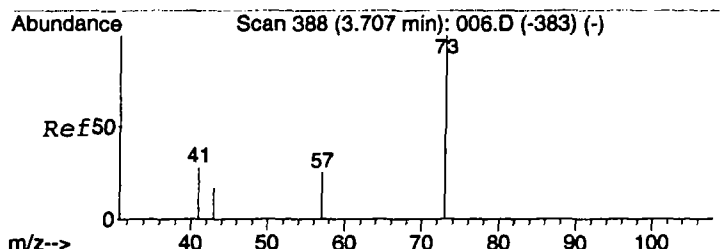
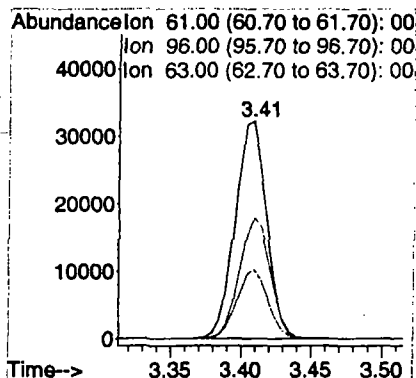
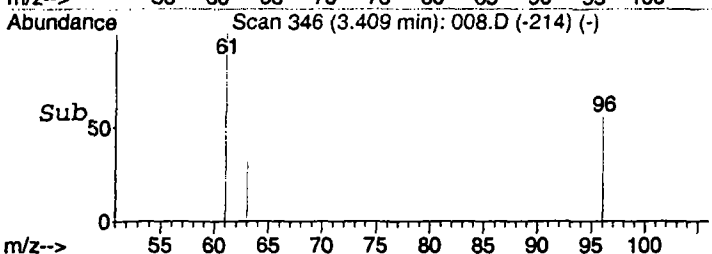




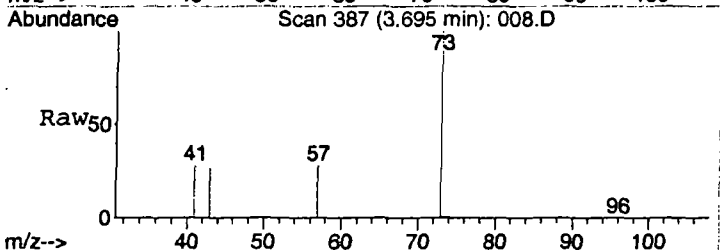
#3
1,1-Dichloroethene
Concen: 652.44 ppbv
RT: 3.41 min Scan# 346
Delta R.T. -0.00 min
Lab File: 008.D
Acq: 12 Dec 2007 8:06



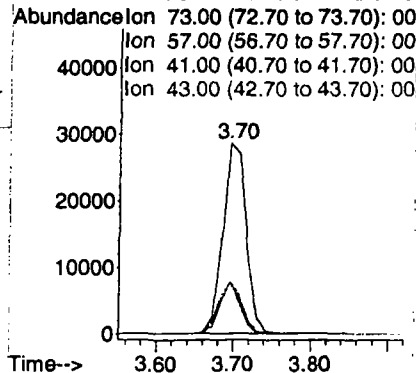
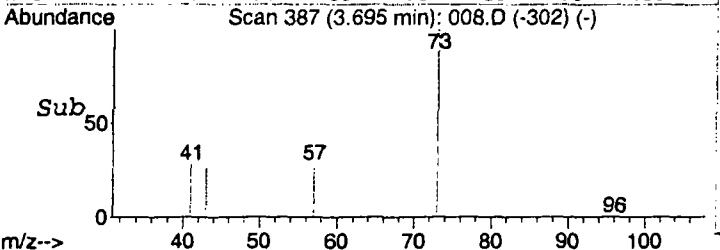
Tgt Ion: 61 Resp: 50246
Ion Ratio Lower Upper
61 100
96 54.9 48.4 72.6
63 31.3 24.4 36.6

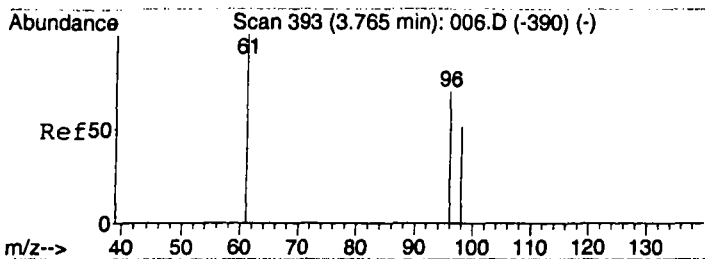


#4
Methyl tert-Butyl Ether (MTBE)
Concen: 630.76 ppbv m
RT: 3.70 min Scan# 387
Delta R.T. -0.01 min
Lab File: 008.D
Acq: 12 Dec 2007 8:06



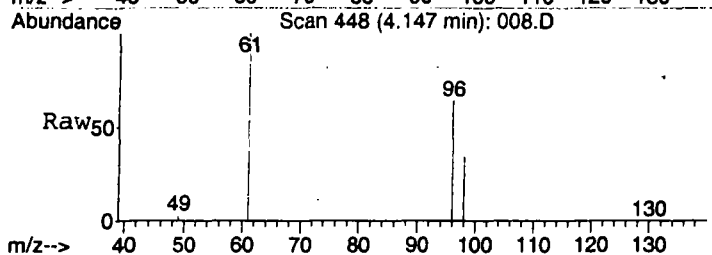
Tgt Ion: 73 Resp: 59938
Ion Ratio Lower Upper
73 100
57 25.7 19.1 28.7
41 27.3 16.5 24.7#
43 25.5 17.5 26.3



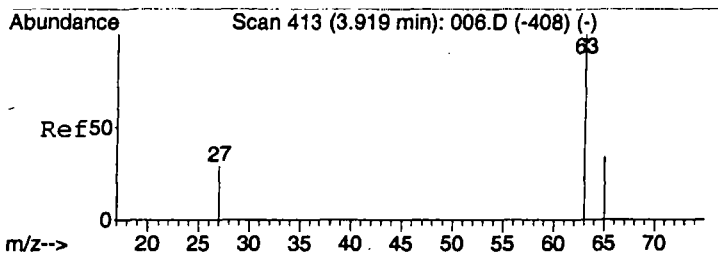
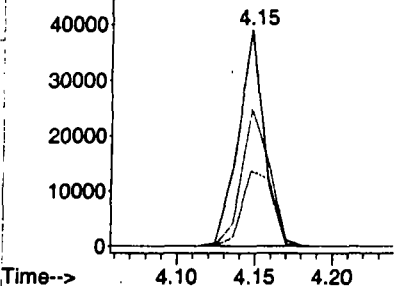
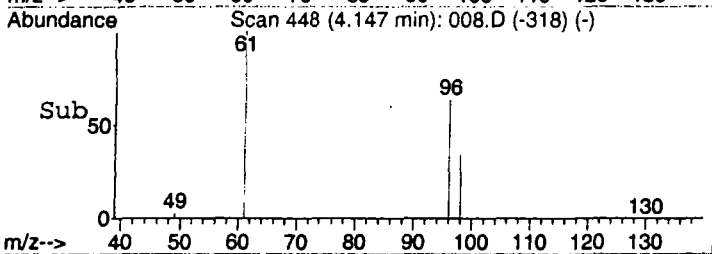


#5
trans-1,2-Dichloroethene
Concen: 600.32 ppbv m
RT: 4.15 min Scan# 448
Delta R.T. 0.38 min
Lab File: 008.D
Acq: 12 Dec 2007 8:06

Tgt Ion: 61 Resp: 44923
Ion Ratio Lower Upper
61 100
96 65.9 56.8 85.2
98 43.9 42.1 63.1

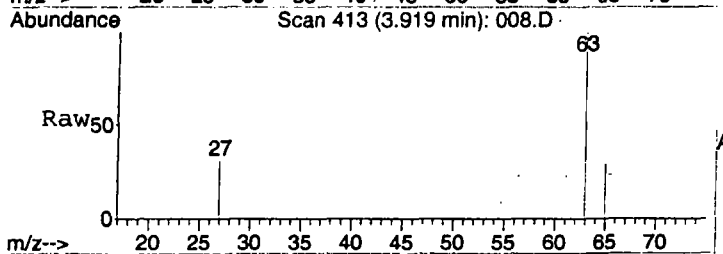


Abundance Ion 61.00 (60.70 to 61.70): 00
Ion 96.00 (95.70 to 96.70): 00
Ion 98.00 (97.70 to 98.70): 00

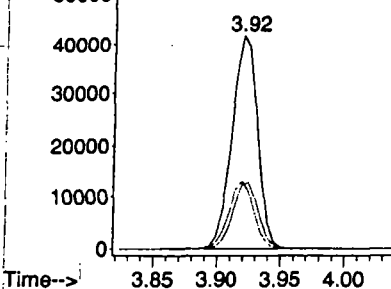
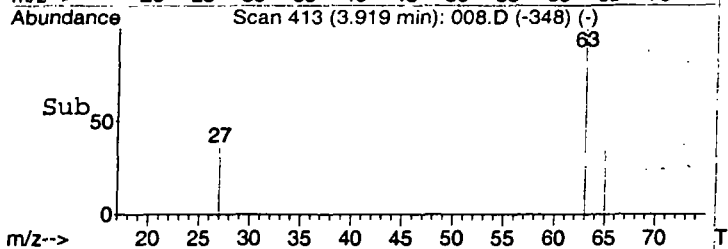


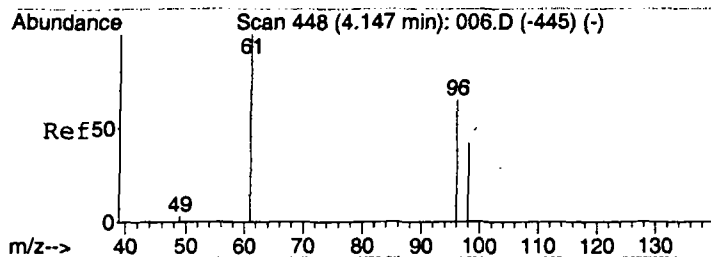
#6
1,1-Dichloroethane
Concen: 708.38 ppbv
RT: 3.92 min Scan# 413
Delta R.T. -0.00 min
Lab File: 008.D
Acq: 12 Dec 2007 8:06

Tgt Ion: 63 Resp: 58011
Ion Ratio Lower Upper
63 100
65 30.7 26.5 39.7
27 35.2 18.0 27.0#



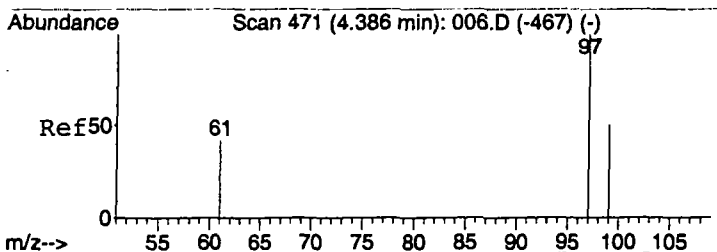
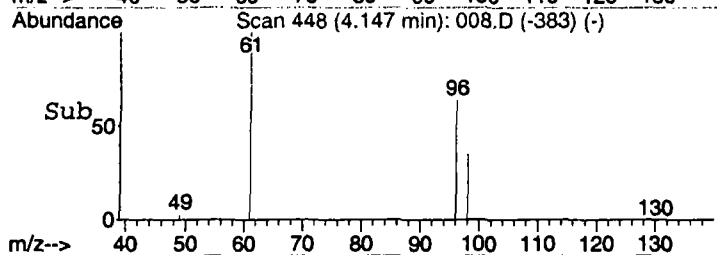
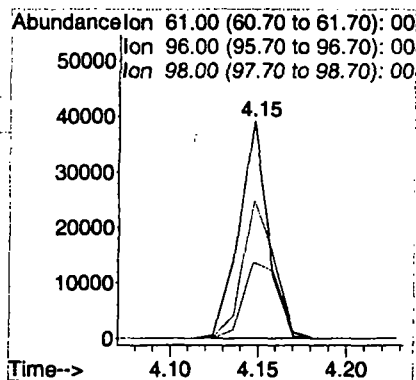
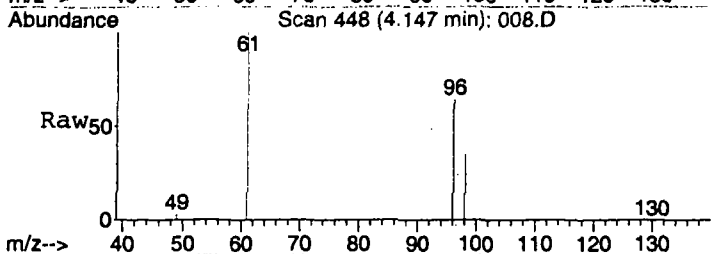
Abundance Ion 63.00 (62.70 to 63.70): 00
Ion 65.00 (64.70 to 65.70): 00
Ion 27.00 (26.70 to 27.70): 00





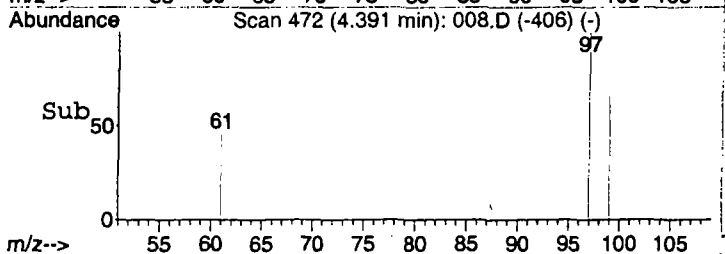
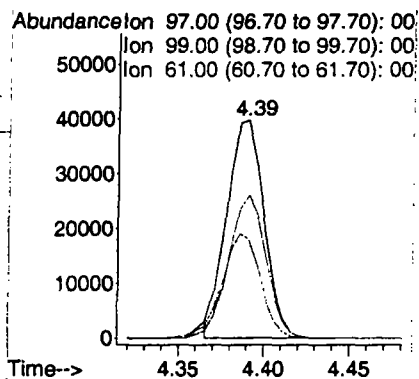
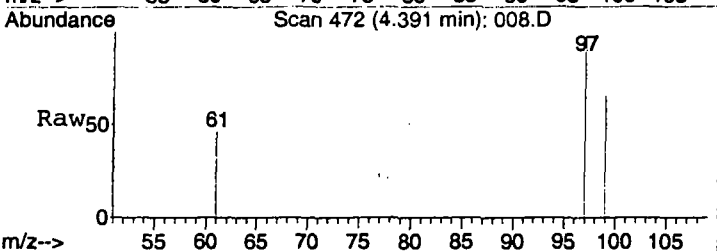
#7
 cis-1,2-Dichloroethene
 Concen: 637.64 ppbv m
 RT: 4.15 min Scan# 448
 Delta R.T. -0.00 min
 Lab File: 008.D
 Acq: 12 Dec 2007 8:06

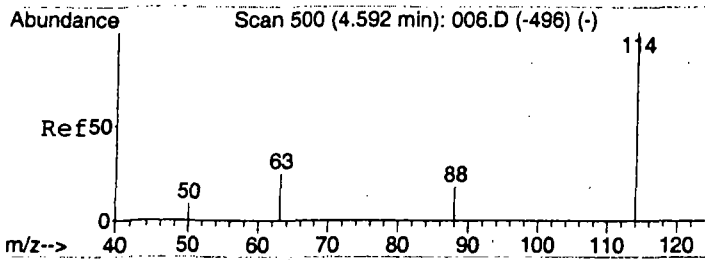
Tgt Ion: 61 Resp: 44947
 Ion Ratio Lower Upper
 61 100
 96 66.2 64.8 97.2
 98 43.9 49.8 74.8#



#8
 1,1,1-Trichloroethane
 Concen: 733.57 ppbv m
 RT: 4.39 min Scan# 472
 Delta R.T. 0.00 min
 Lab File: 008.D
 Acq: 12 Dec 2007 8:06

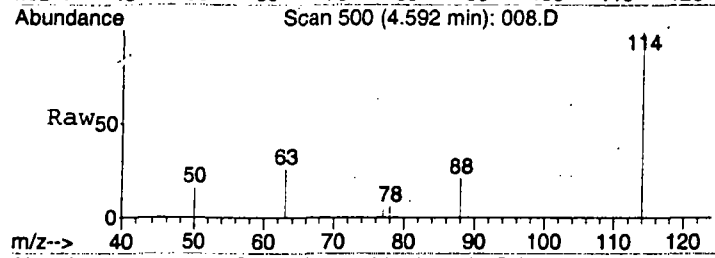
Tgt Ion: 97 Resp: 60562
 Ion Ratio Lower Upper
 97 100
 99 75.7 52.2 78.2
 61 58.1 34.6 51.8#





#9
1,4-Difluorobenzene
Concen: 10.00 ppbv m
RT: 4.59 min Scan# 500
Delta R.T. -0.00 min
Lab File: 008.D
Acq: 12 Dec 2007 8:06

Tgt Ion	Ratio	Lower	Upper
114	100		
63	22.3	15.4	23.2
88	19.8	11.8	17.6

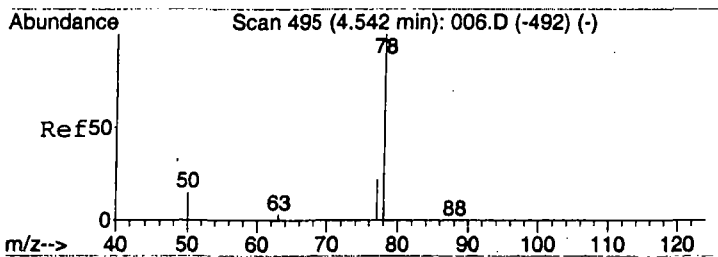
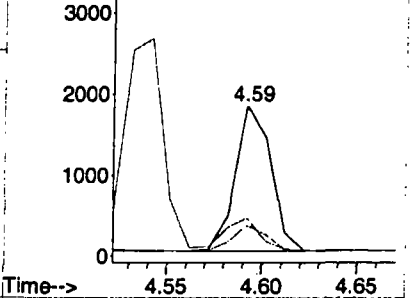


Abundance

Ion 114.00 (113.70 to 114.70): 00

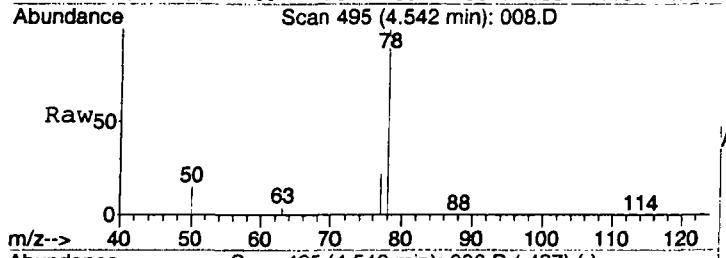
Ion 63.00 (62.70 to 63.70): 00

Ion 88.00 (87.70 to 88.70): 00



#10
Benzene
Concen: 597.11 ppbv m
RT: 4.54 min Scan# 495
Delta R.T. -0.00 min
Lab File: 008.D
Acq: 12 Dec 2007 8:06

Tgt Ion	Ratio	Lower	Upper
78	100		
77	22.6	20.5	30.7
50	19.0	15.9	23.9

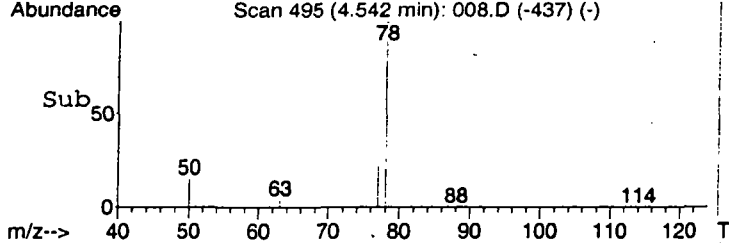
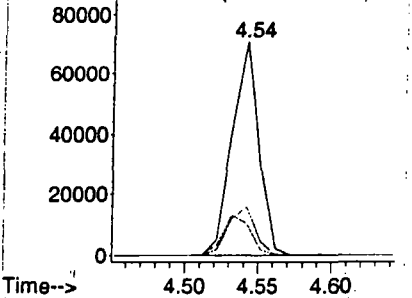


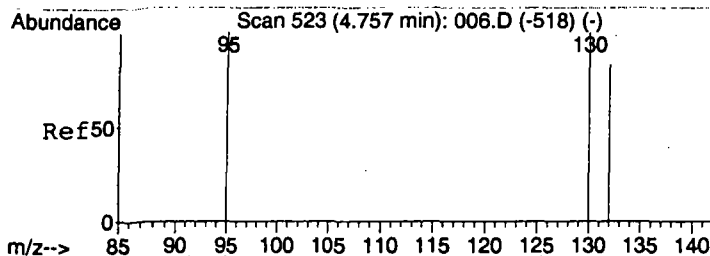
Abundance

Ion 78.00 (77.70 to 78.70): 00

Ion 77.00 (76.70 to 77.70): 00

Ion 50.00 (49.70 to 50.70): 00





#11

Trichloroethene

Concen: 431.28 ppbv

RT: 4.76 min Scan# 523

Delta R.T. -0.00 min

Lab File: 008.D

Acq: 12 Dec 2007 8:06

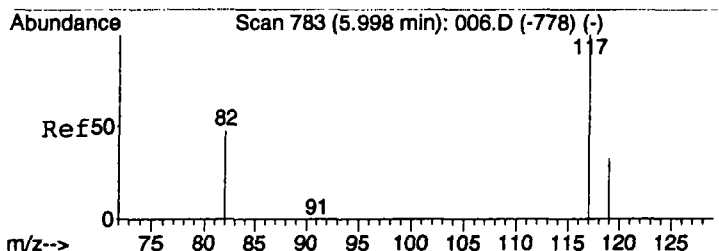
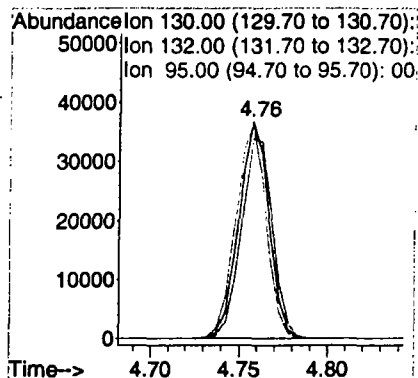
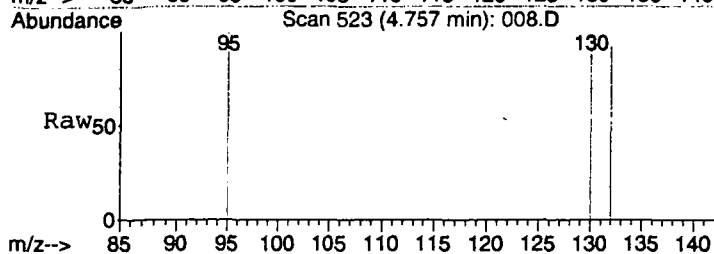
Tgt Ion:130 Resp: 43254

Ion Ratio Lower Upper

130 100

132 96.0 74.7 112.1

95 99.4 75.2 112.8



#12

Chlorobenzene-d5

Concen: 10.00 ppbv

RT: 5.99 min Scan# 782

Delta R.T. -0.01 min

Lab File: 008.D

Acq: 12 Dec 2007 8:06

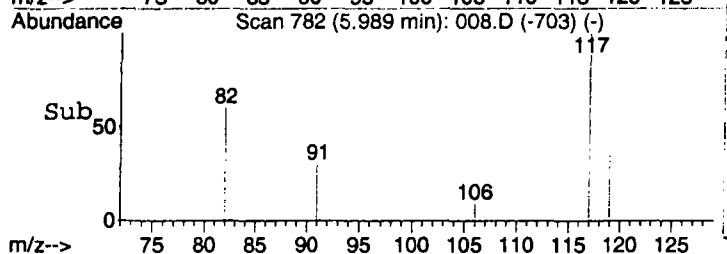
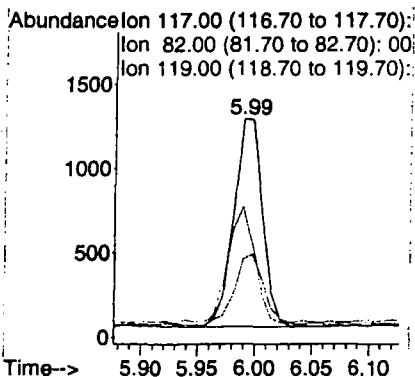
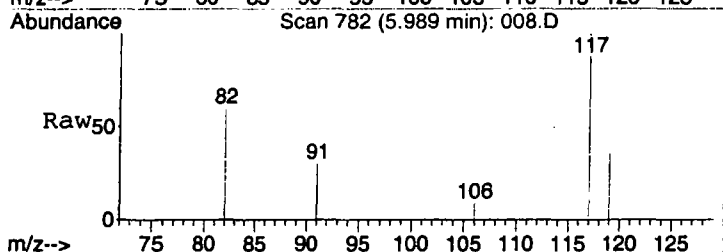
Tgt Ion:117 Resp: 2167

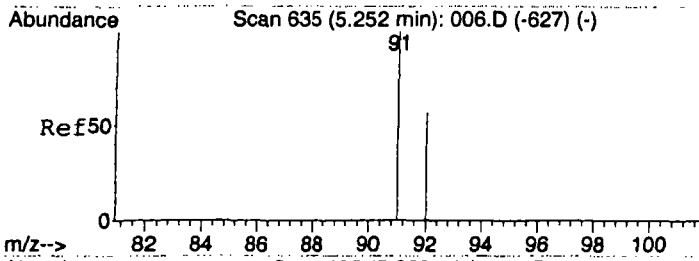
Ion Ratio Lower Upper

117 100

82 53.3 41.0 61.6

119 31.5 25.5 38.3

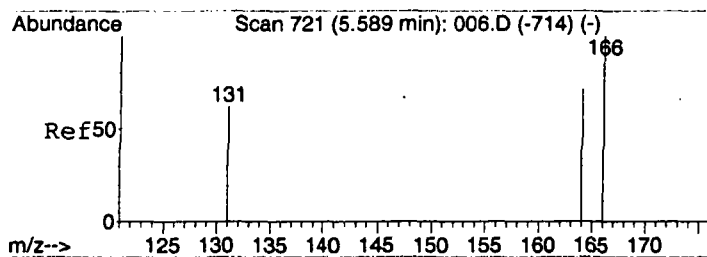
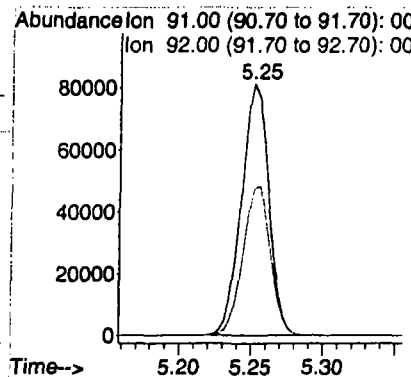




#13
Toluene
Concen: 569.14 ppbv
RT: 5.25 min Scan# 635
Delta R.T. -0.00 min
Lab File: 008.D
Acq: 12 Dec 2007 8:06

Tgt Ion: 91 Resp: 107908

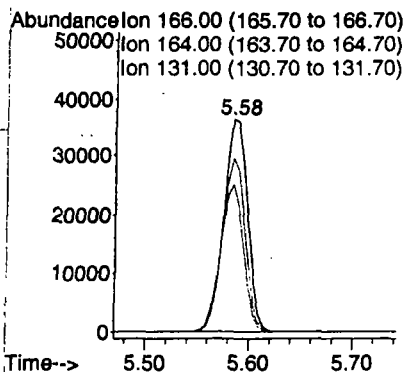
Ion	Ratio	Lower	Upper
91	100		
92	59.8	46.9	70.3

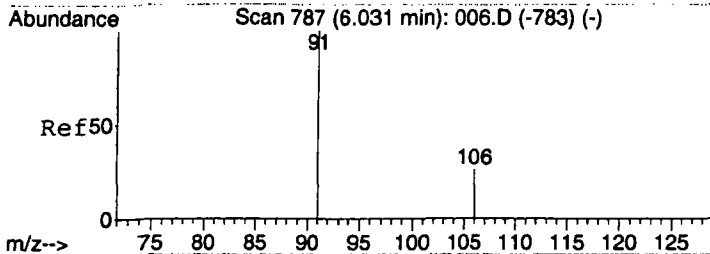


#14
Tetrachloroethene
Concen: 622.74 ppbv
RT: 5.58 min Scan# 720
Delta R.T. -0.01 min
Lab File: 008.D
Acq: 12 Dec 2007 8:06

Tgt Ion: 166 Resp: 57601

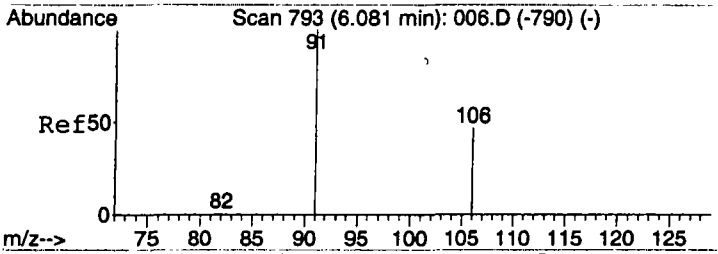
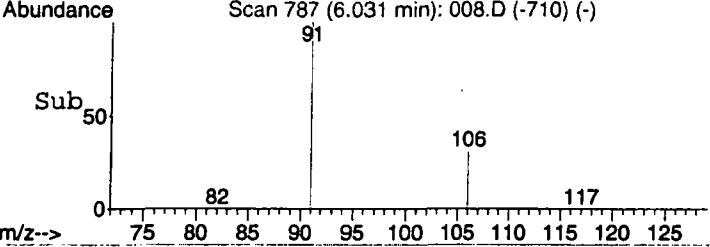
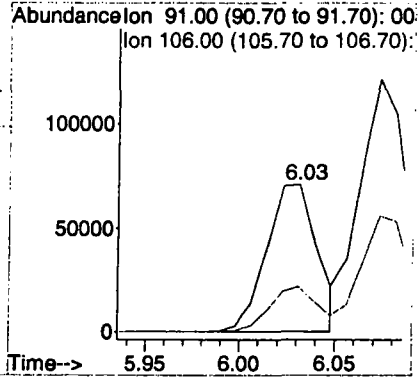
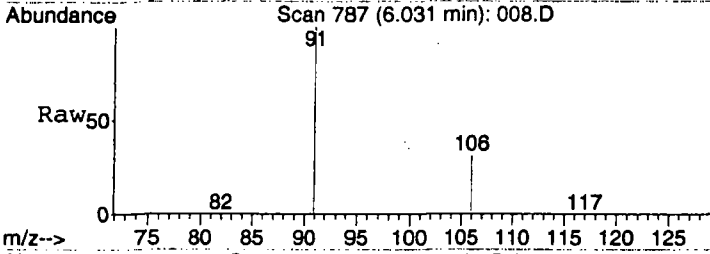
Ion	Ratio	Lower	Upper
166	100		
164	78.8	62.8	94.2
131	67.0	56.9	85.3





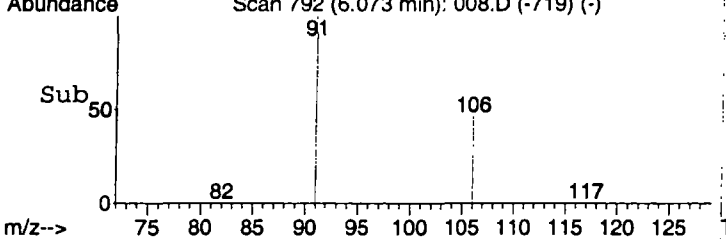
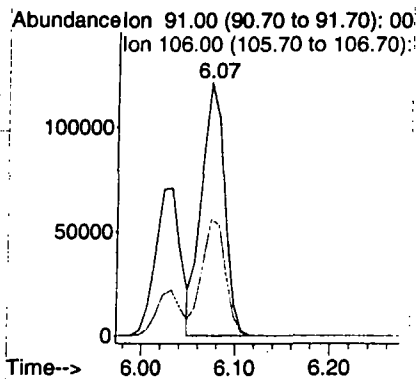
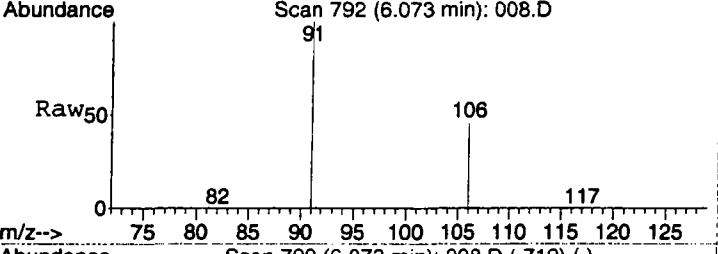
#15
Ethylbenzene
Concen: 644.04 ppbv
RT: 6.03 min Scan# 787
Delta R.T. -0.00 min
Lab File: 008.D
Acq: 12 Dec 2007 8:06

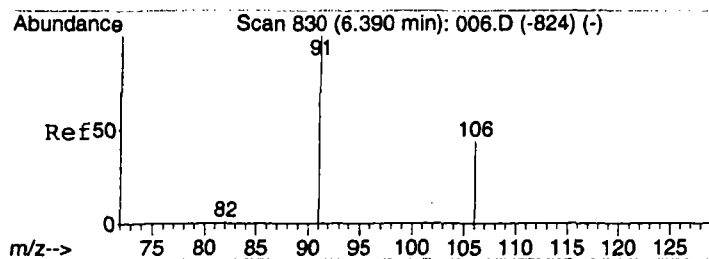
Tgt Ion: 91 Resp: 132414
Ion Ratio Lower Upper
91 100
106 29.5 22.5 33.7



#16
m&p-Xylenes
Concen: 1494.01 ppbv
RT: 6.07 min Scan# 792
Delta R.T. -0.01 min
Lab File: 008.D
Acq: 12 Dec 2007 8:06

Tgt Ion: 91 Resp: 207507
Ion Ratio Lower Upper
91 100
106 47.7 36.4 54.6





#17

o-Xylene

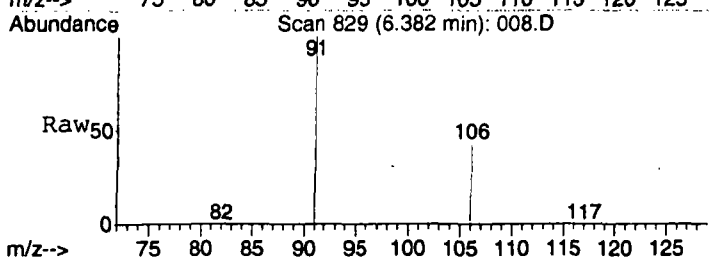
Concen: 657.52 ppbv

RT: 6.38 min Scan# 829

Delta R.T. -0.01 min

Lab File: 008.D

Acq: 12 Dec 2007 8:06

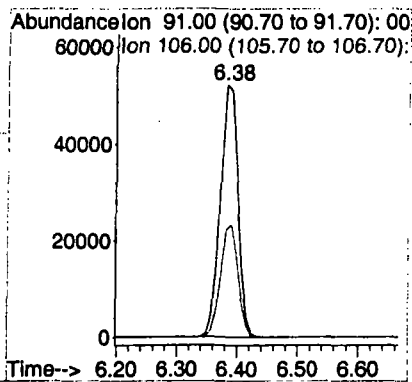
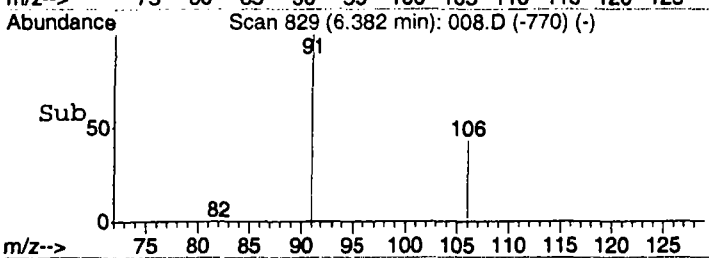


Tgt Ion: 91 Resp: 105322

Ion Ratio Lower Upper

91 100

106 44.4 33.9 50.9



Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\2007\20071212\009.D Vial: 1
 Acq On : 12 Dec 2007 8:26 Operator:
 Sample : 20071212STD-6 / 5000 PPB STD Inst : Instrumen
 Misc : 5 Ml / 12 DEC 2007 Multiplr: 1.00
 MS Integration Params: rteint.p
 Quant Time: Dec 12 08:36:31 2007 Quant Results File: LOOP20071212.RES

Quant Method : C:\MSDCHEM\1...\LOOP20071212.M (RTE Integrator)
 Title : VOC
 Last Update : Wed Dec 12 08:15:47 2007
 Response via : Initial Calibration
 DataAcq Meth : LOOPSIMI

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	4.26	49	1083m	10.00	ppbv	0.00
9) 1,4-Difluorobenzene	4.60	114	2579m	10.00	ppbv	0.00
12) Chlorobenzene-d5	6.00	117	2265	10.00	ppbv	0.00

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Vinyl Chloride	2.32	62	309154	4924.97	ppbv	99
3) 1,1-Dichloroethene	3.41	61	514239m	5997.19	ppbv	
4) Methyl tert-Butyl Ether (M	3.70	73	761547m	7257.21	ppbv	
5) trans-1,2-Dichloroethene	4.15	61	442271	5414.59	ppbv	93
6) 1,1-Dichloroethane	3.92	63	585738	6291.34	ppbv #	89
7) cis-1,2-Dichloroethene	4.15	61	442236m	5666.39	ppbv	
8) 1,1,1-Trichloroethane	4.39	97	637424m	6728.72	ppbv	
10) Benzene	4.54	78	852704m	5011.98	ppbv	
11) Trichloroethene	4.76	130	433446	4037.36	ppbv	96
13) Toluene	5.26	91	1070291	5255.42	ppbv	95
14) Tetrachloroethene	5.59	166	568170	5601.83	ppbv	98
15) Ethylbenzene	6.03	91	1355046	5962.03	ppbv	93
16) m&p-Xylenes	6.08	91	1943395	12182.97	ppbv	92
17) o-Xylene	6.39	91	1070430	6014.55	ppbv	94

Data File : C:\MSDCHEM\1\DATA\2007\20071212\009.D

Vial: 1

Acq On : 12 Dec 2007 8:26

Operator:

Sample : 20071212STD-6 / 5000 PPB STD

Inst : Instrumen

Misc : 5 Ml / 12 DEC 2007

Multiplr: 1.00

MS Integration Params: rteint.p

Quant Time: Dec 12 8:38 2007

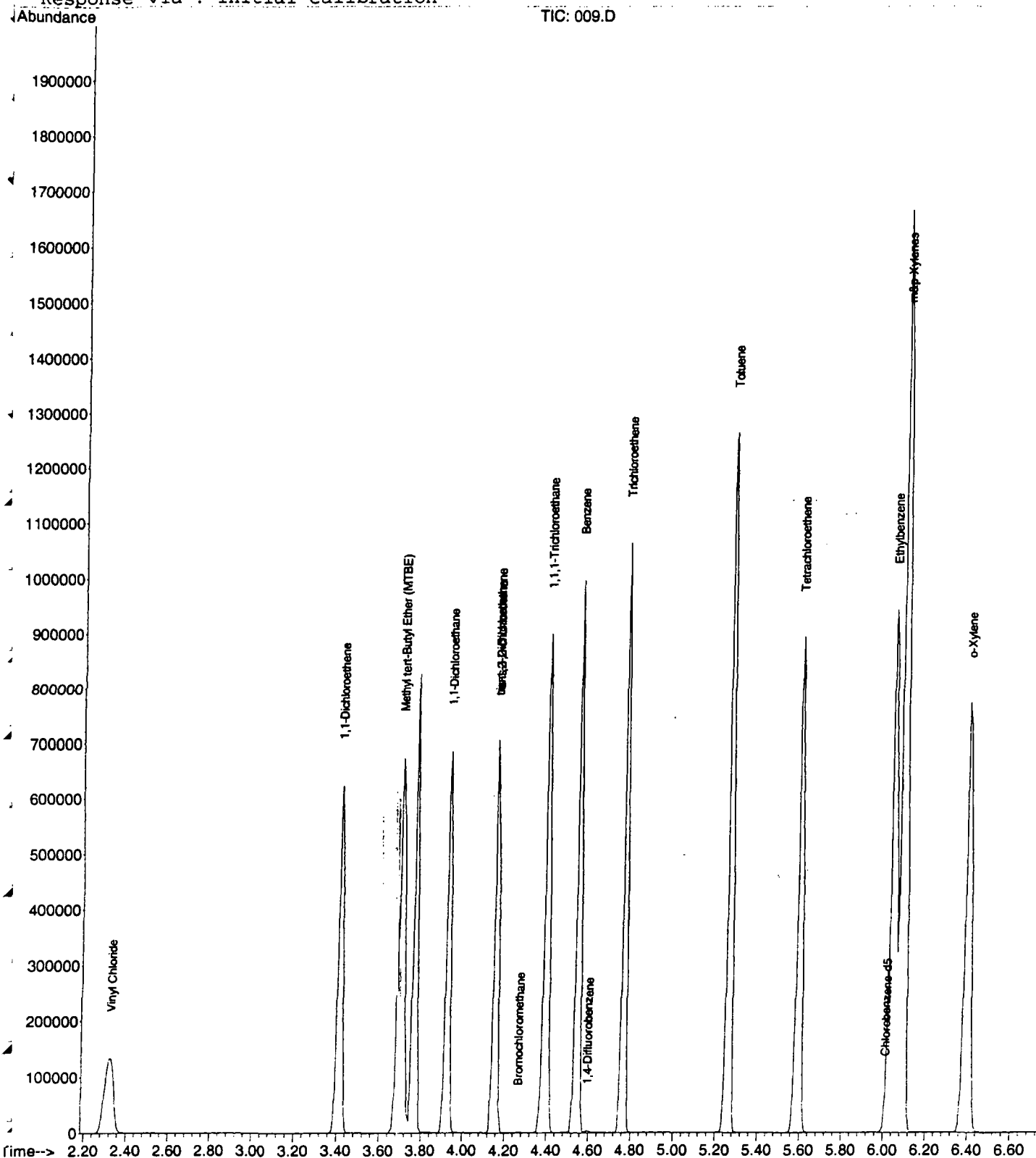
Quant Results File: LOOP20071212.RES

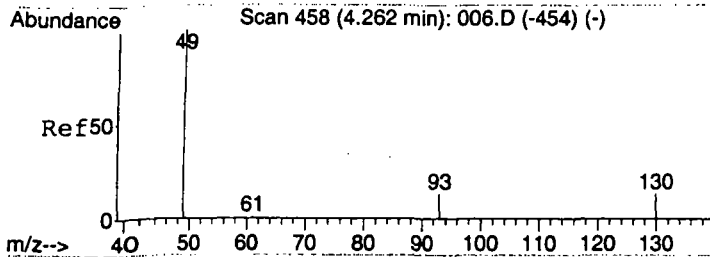
Method : C:\MSDCHEM\1\METHODS\LOOP20071212.M (RTE Integrator)

Title : VOC

Last Update : Tue Dec 18 13:57:12 2007

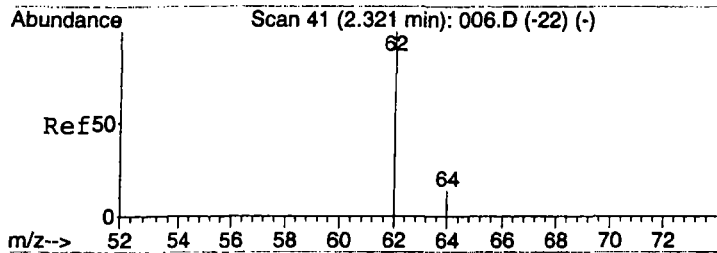
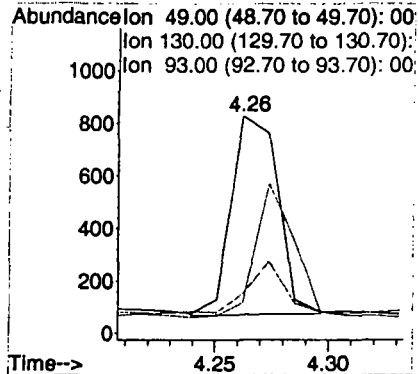
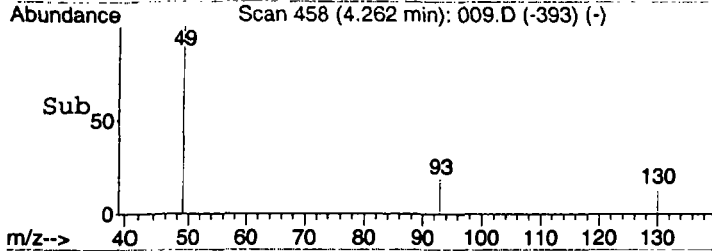
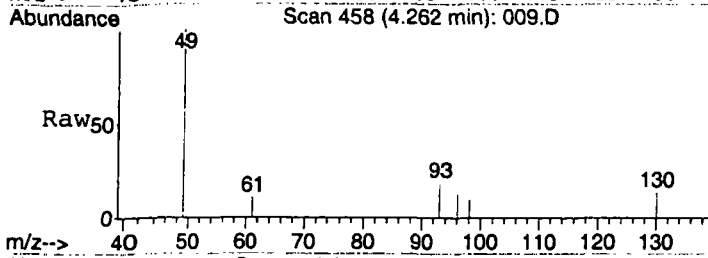
Response via : Initial Calibration





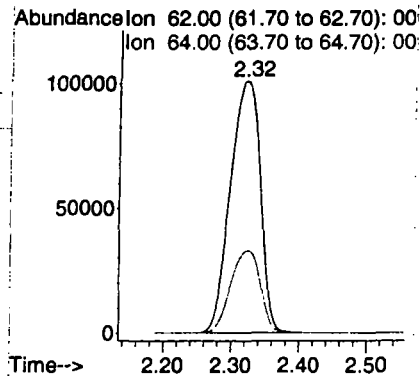
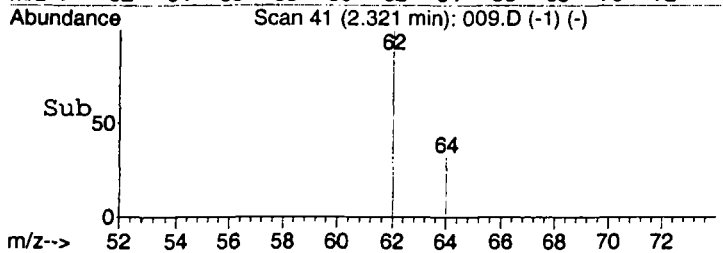
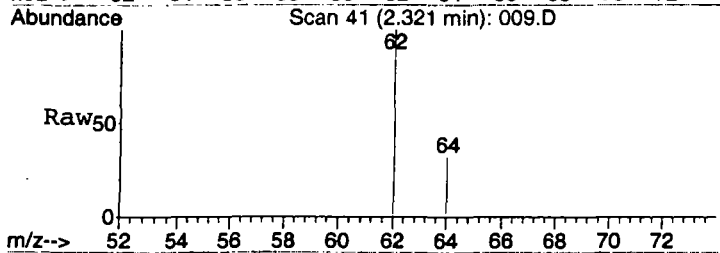
#1
 Bromochloromethane
 Concen: 10.00 ppbv m
 RT: 4.26 min Scan# 458
 Delta R.T. -0.00 min
 Lab File: 009.D
 Acq: 12 Dec 2007 8:26

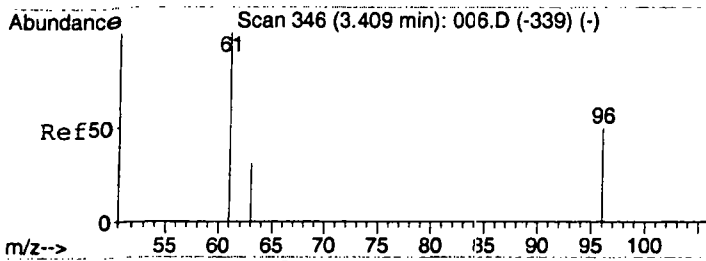
Tgt Ion: 49 Resp: 1083
 Ion Ratio Lower Upper
 49 100
 130 0.0 105.7 158.5#
 93 26.2 24.4 36.6



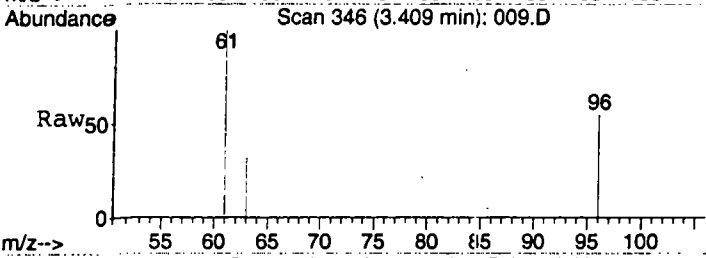
#2
 Vinyl Chloride
 Concen: 4924.97 ppbv
 RT: 2.32 min Scan# 41
 Delta R.T. -0.00 min
 Lab File: 009.D
 Acq: 12 Dec 2007 8:26

Tgt Ion: 62 Resp: 309154
 Ion Ratio Lower Upper
 62 100
 64 32.3 25.5 38.3

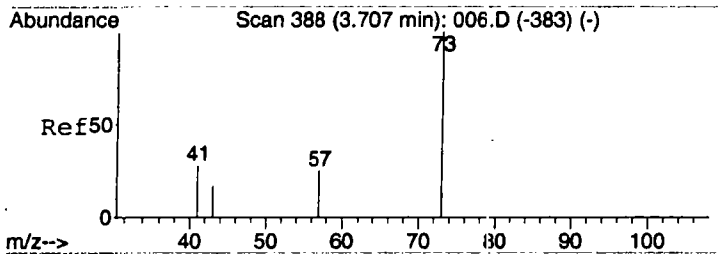
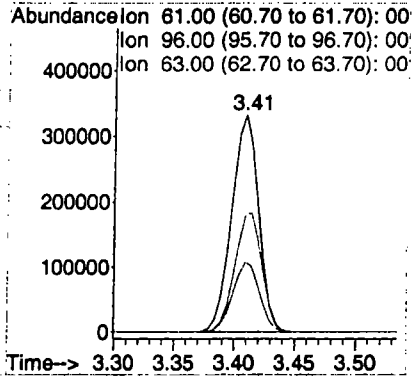
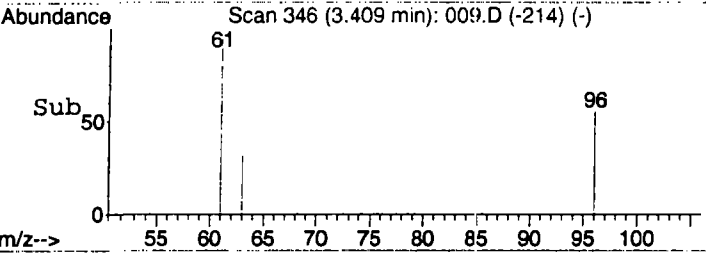




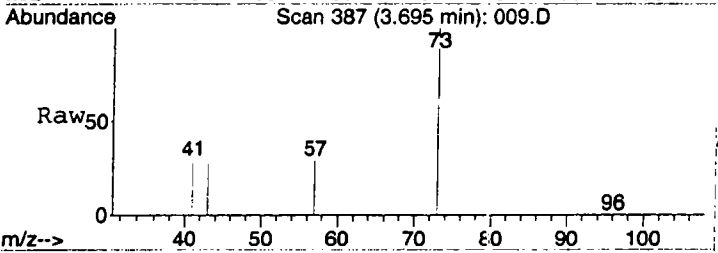
#3
1,1-Dichloroethene
Concen: 5997.19 ppbv m
RT: 3.41 min Scan# 346
Delta R.T. -0.00 min
Lab File: 009.D
Acq: 12 Dec 2007 8:26



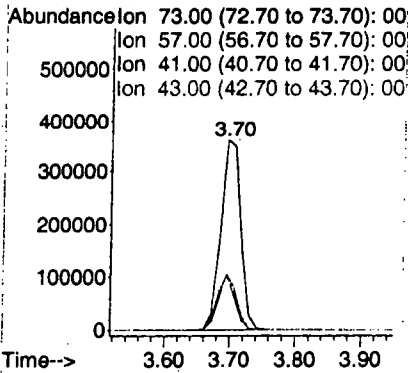
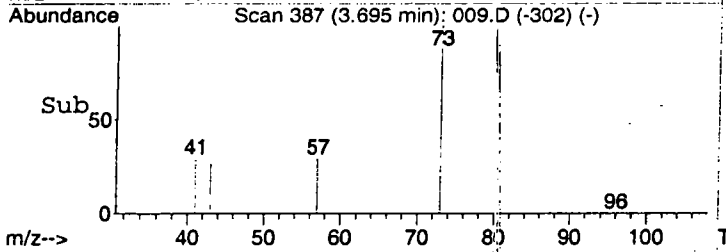
Tgt Ion	Ratio	Lower	Upper
61	100		
96	55.9	48.4	72.6
63	32.2	24.4	36.6

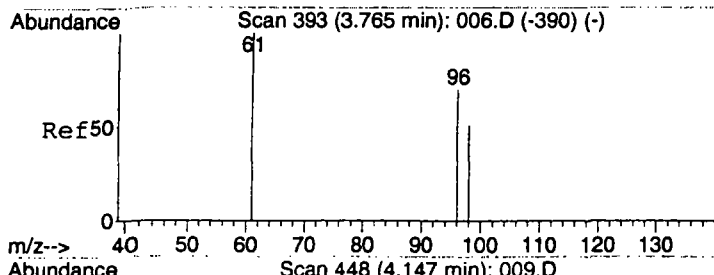


#4
Methyl tert-Butyl Ether (MTBE)
Concen: 7257.21 ppbv m
RT: 3.70 min Scan# 387
Delta R.T. -0.01 min
Lab File: 009.D
Acq: 12 Dec 2007 8:26



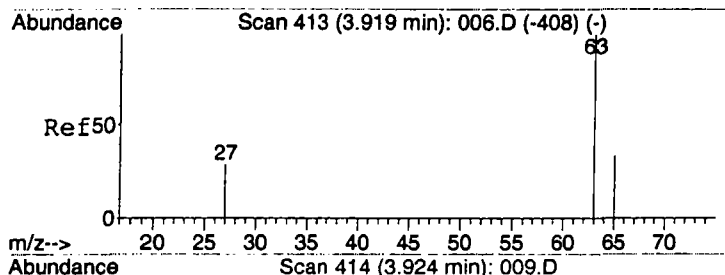
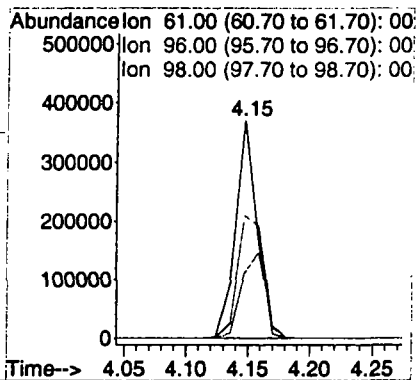
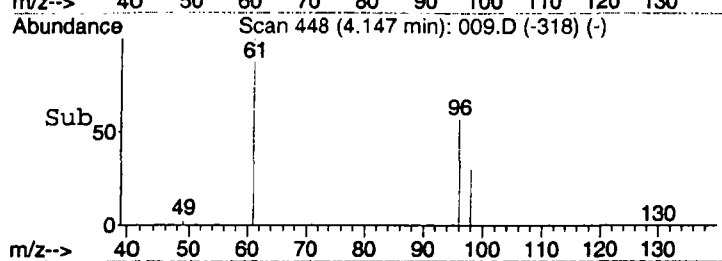
Tgt Ion	Ratio	Lower	Upper
73	100		
57	25.4	19.1	28.7
41	25.7	16.5	24.7
43	25.1	17.5	26.3





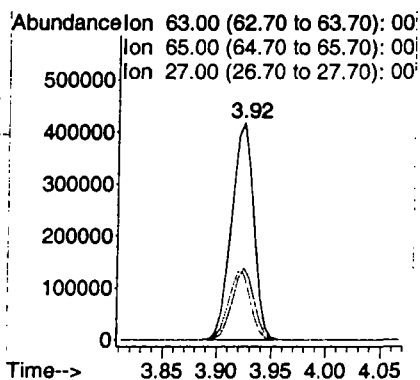
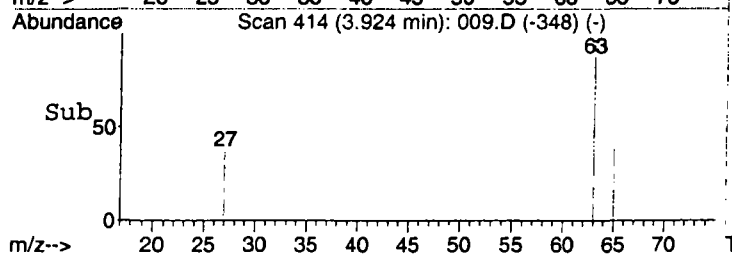
#5
trans-1,2-Dichloroethene
Concen: 5414.59 ppbv
RT: 4.15 min Scan# 448
Delta R.T. 0.38 min
Lab File: 009.D
Acq: 12 Dec 2007 8:26

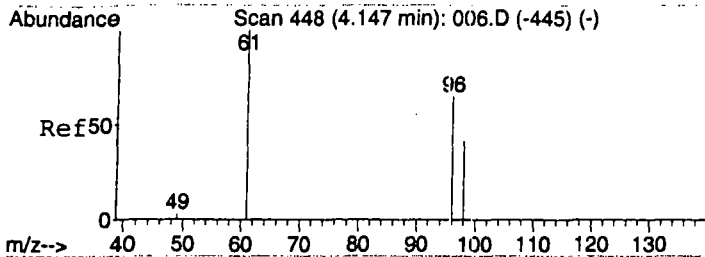
Tgt Ion: 61 Resp: 442271
Ion Ratio Lower Upper
61 100
96 69.8 56.8 85.2
98 42.1 42.1 63.1



#6
1,1-Dichloroethane
Concen: 6291.34 ppbv
RT: 3.92 min Scan# 414
Delta R.T. 0.00 min
Lab File: 009.D
Acq: 12 Dec 2007 8:26

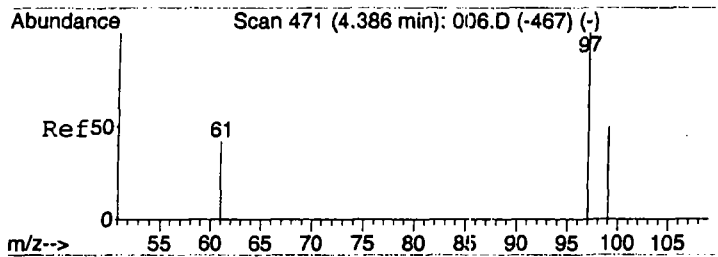
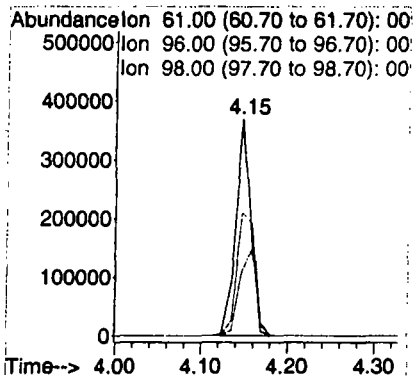
Tgt Ion: 63 Resp: 585738
Ion Ratio Lower Upper
63 100
65 32.1 26.5 39.7
27 34.4 18.0 27.0#





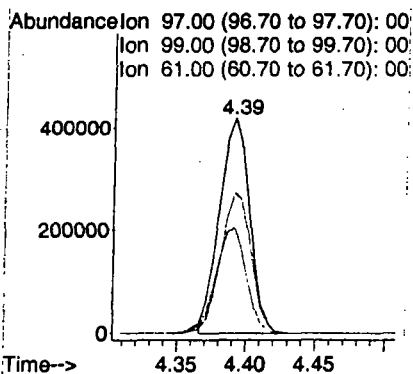
#7
 cis-1,2-Dichloroethene
 Concen: 5666.39 ppbv m
 RT: 4.15 min Scan# 448
 Delta R.T. -0.00 min
 Lab File: 009.D
 Acq: 12 Dec 2007 8:26

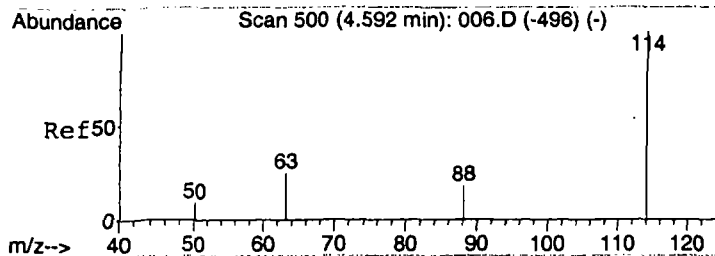
Tgt Ion	Ratio	Lower	Upper
61	100		
96	69.8	64.8	97.2
98	43.2	49.8	74.8#



#8
 1,1,1-Trichloroethane
 Concen: 6728.72 ppbv m
 RT: 4.39 min Scan# 472
 Delta R.T. 0.00 min
 Lab File: 009.D
 Acq: 12 Dec 2007 8:26

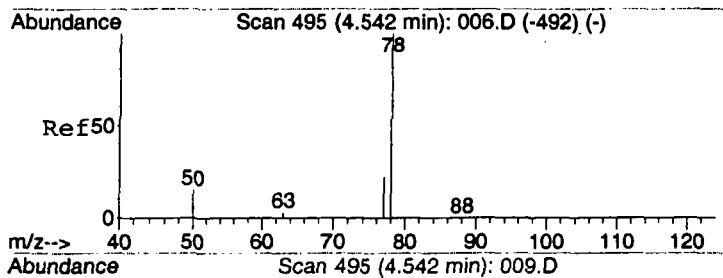
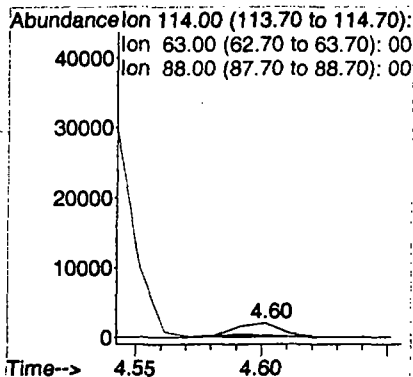
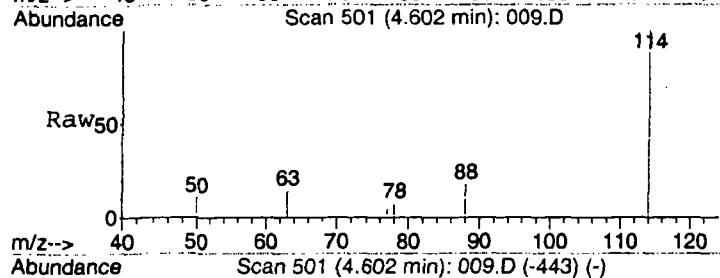
Tgt Ion	Ratio	Lower	Upper
97	100		
99	76.1	52.2	78.2
61	58.7	34.6	51.8#





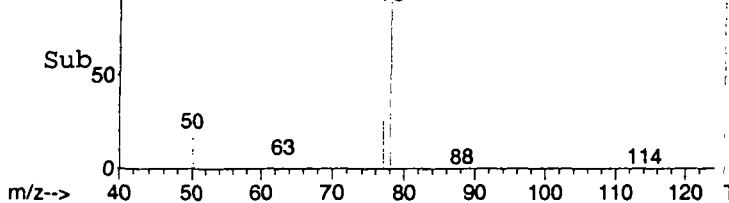
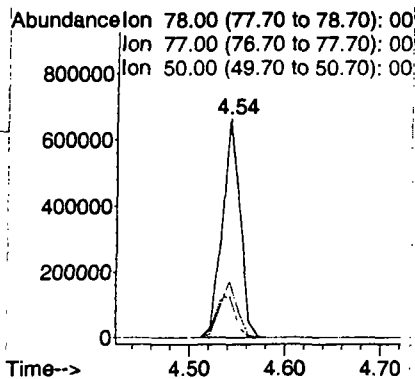
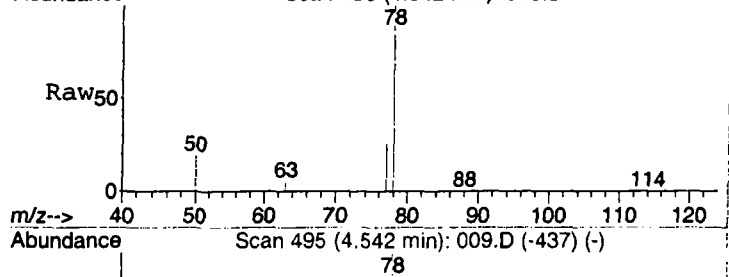
#9
1,4-Difluorobenzene
Concen: 10.00 ppbv m
RT: 4.60 min Scan# 501
Delta R.T. 0.01 min
Lab File: 009.D
Acq: 12 Dec 2007 8:26

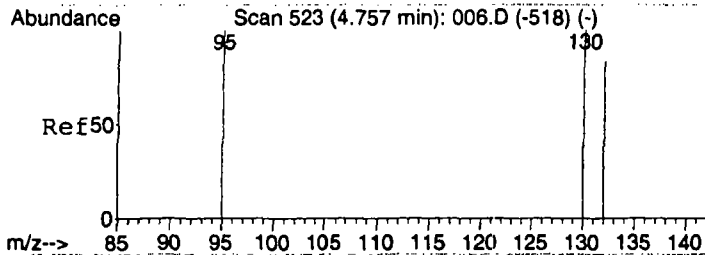
Tgt Ion: 114 Resp: 2579
Ion Ratio Lower Upper
114 100
63 1463.3 15.4 23.2#
88 21.8 11.8 17.6#



#10
Benzene
Concen: 5011.98 ppbv m
RT: 4.54 min Scan# 495
Delta R.T. -0.00 min
Lab File: 009.D
Acq: 12 Dec 2007 8:26

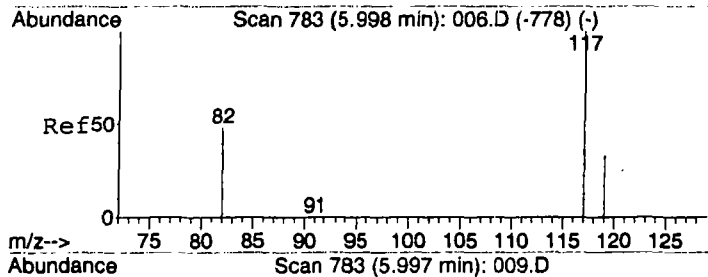
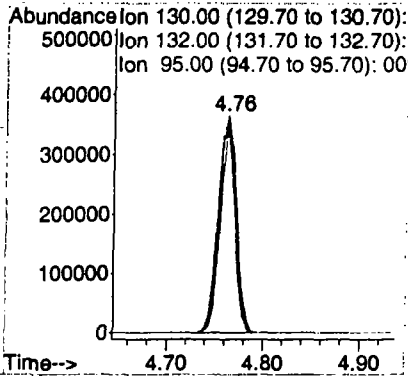
Tgt Ion: 78 Resp: 852704
Ion Ratio Lower Upper
78 100
77 24.1 20.5 30.7
50 19.7 15.9 23.9





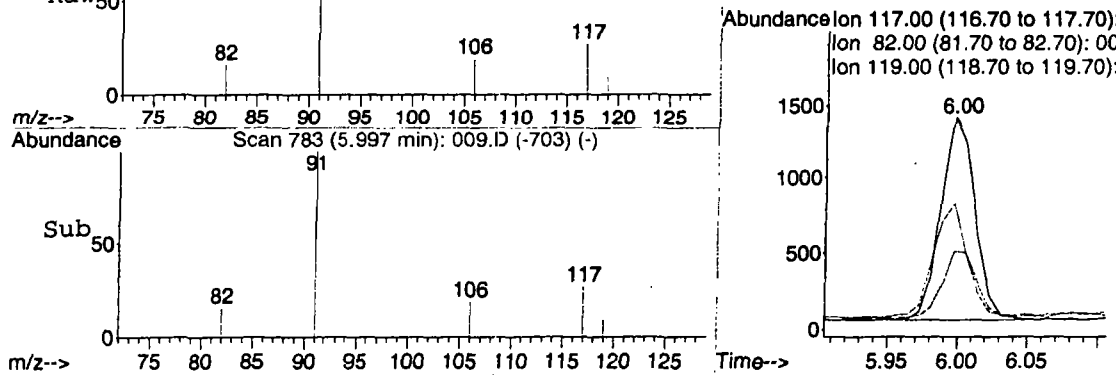
#11
Trichloroethene
Concen: 4037.36 ppbv
RT: 4.76 min Scan# 524
Delta R.T. 0.00 min
Lab File: 009.D
Acq: 12 Dec 2007 8:26

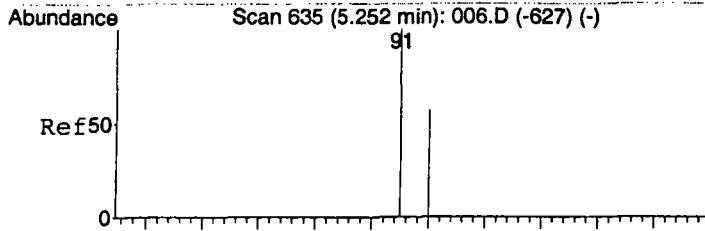
Tgt Ion	Ratio	Lower	Upper
130	100		
132	96.2	74.7	112.1
95	99.4	75.2	112.8



#12
Chlorobenzene-d5
Concen: 10.00 ppbv
RT: 6.00 min Scan# 783
Delta R.T. -0.00 min
Lab File: 009.D
Acq: 12 Dec 2007 8:26

Tgt Ion	Ratio	Lower	Upper
117	100		
82	57.7	41.0	61.6
119	32.8	25.5	38.3





#13

Toluene

Concen: 5255.42 ppbv

RT: 5.26 min Scan# 636

Delta R.T. 0.00 min

Lab File: 009.D

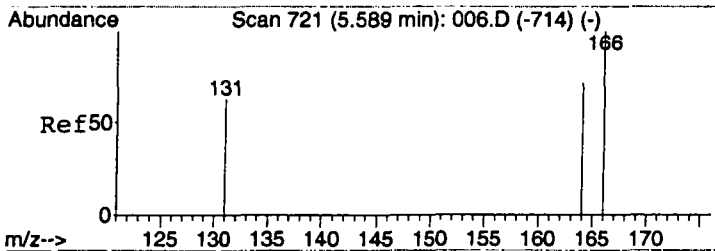
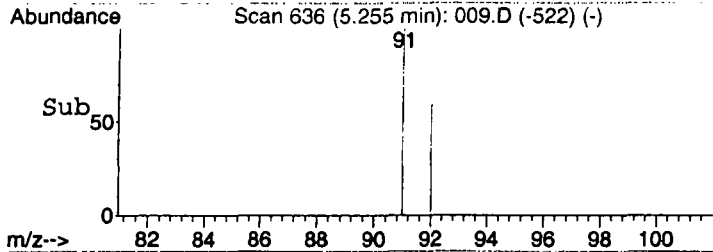
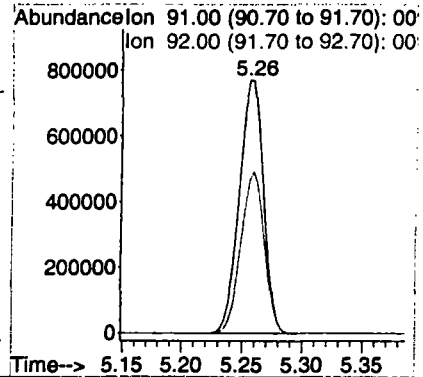
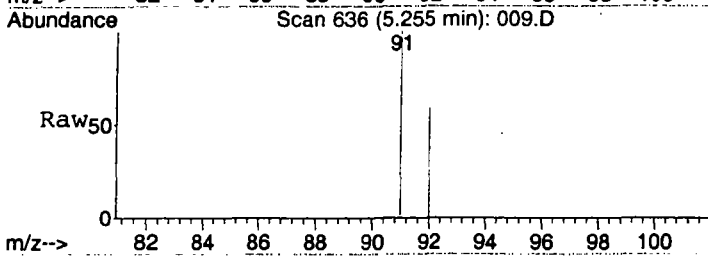
Acq: 12 Dec 2007 8:26

Tgt Ion: 91 Resp: 1070291

Ion Ratio Lower Upper

91 100

92 62.2 46.9 70.3



#14

Tetrachloroethene

Concen: 5601.83 ppbv

RT: 5.59 min Scan# 722

Delta R.T. 0.00 min

Lab File: 009.D

Acq: 12 Dec 2007 8:26

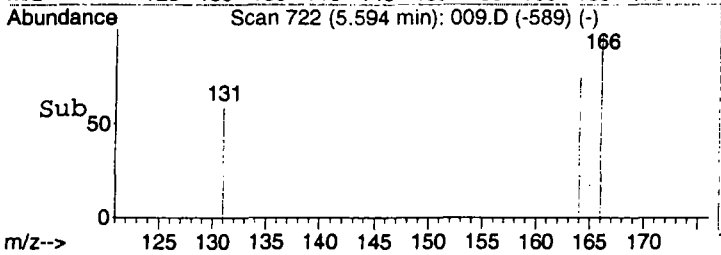
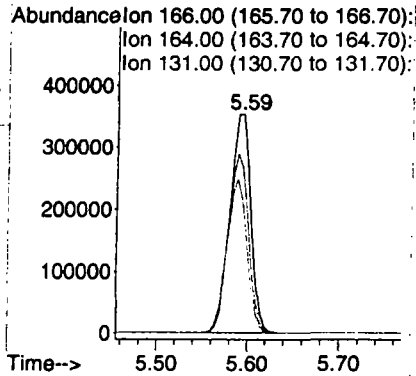
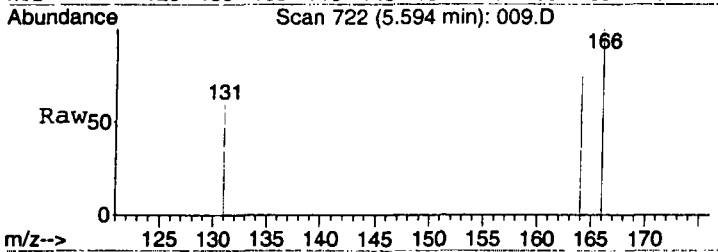
Tgt Ion: 166 Resp: 568170

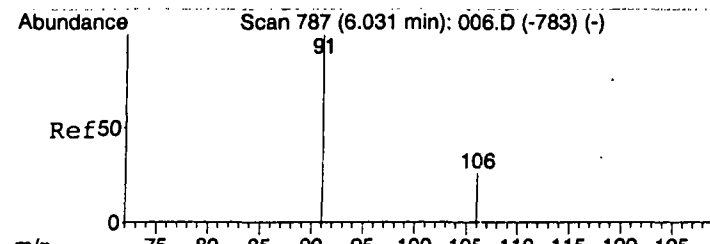
Ion Ratio Lower Upper

166 100

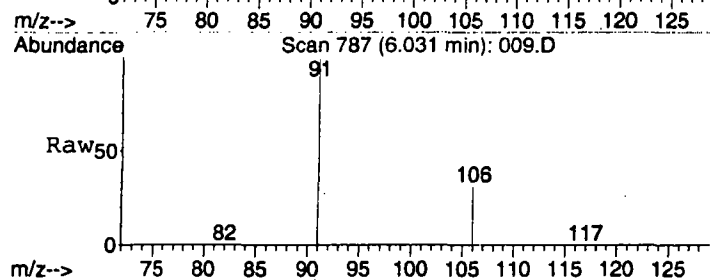
164 79.7 62.8 94.2

131 68.1 56.9 85.3

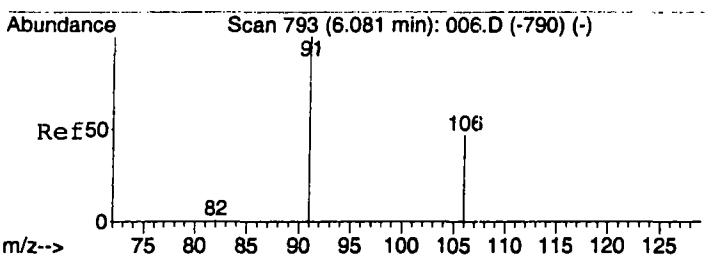
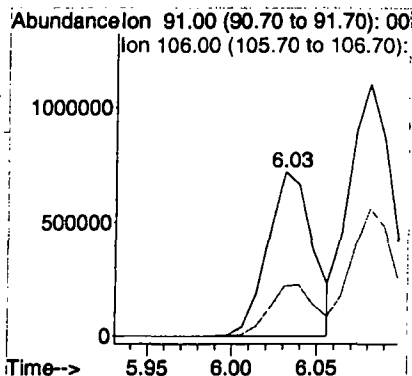
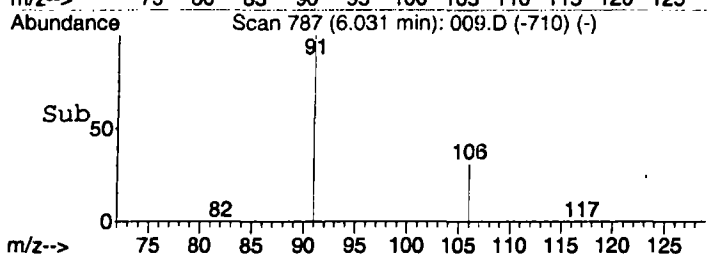




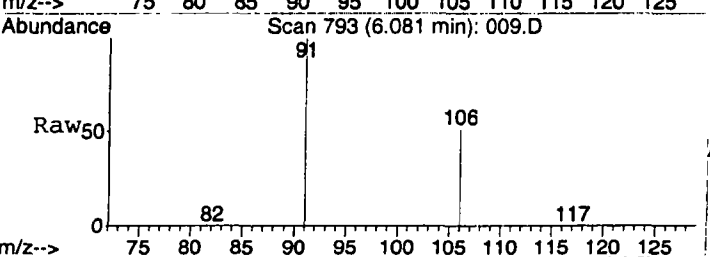
#15
Ethylbenzene
Concen: 5962.03 ppbv
RT: 6.03 min Scan# 787
Delta R.T. -0.00 min
Lab File: 009.D
Acq: 12 Dec 2007 8:26



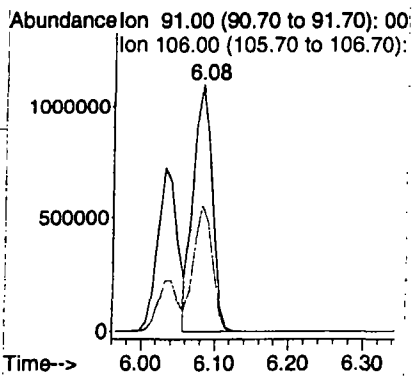
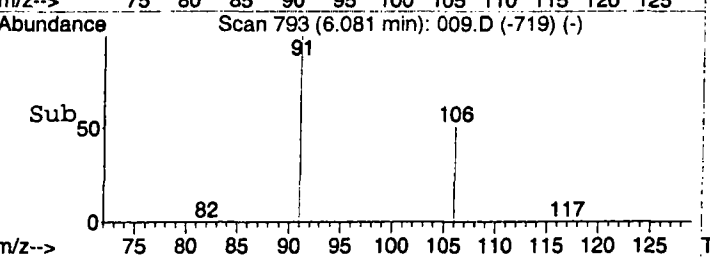
Tgt Ion: 91 Resp: 1355046
Ion Ratio Lower Upper
91 100
106 31.6 22.5 33.7

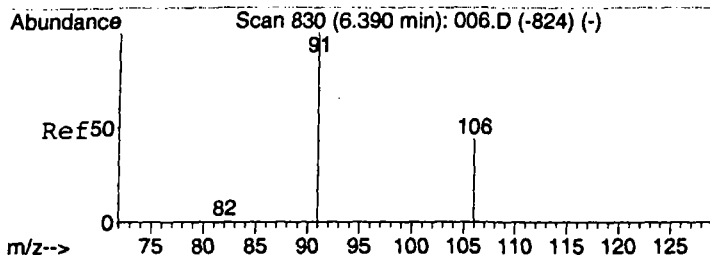


#16
m&p-Xylenes
Concen: 12182.97 ppbv
RT: 6.08 min Scan# 793
Delta R.T. -0.00 min
Lab File: 009.D
Acq: 12 Dec 2007 8:26

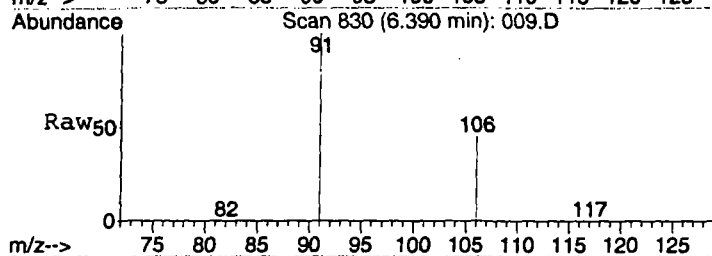


Tgt Ion: 91 Resp: 1943395
Ion Ratio Lower Upper
91 100
106 50.6 36.4 54.6

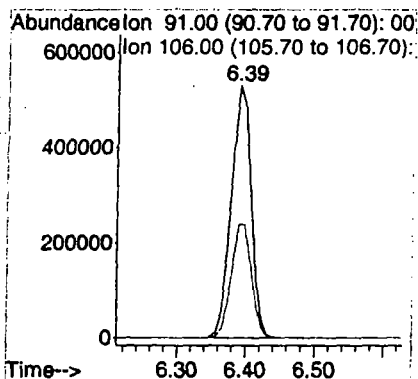
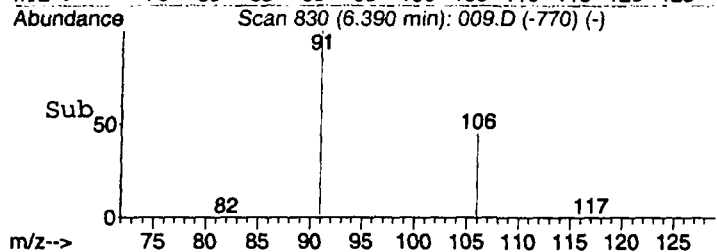




#17
o-Xylene
Concen: 6014.55 ppbv
RT: 6.39 min Scan# 830
Delta R.T. -0.00 min
Lab File: 009.D
Acq: 12 Dec 2007 8:26



Tgt Ion: 91 Resp: 1070430
Ion Ratio Lower Upper
91 100
106 46.0 33.9 50.9



Appendix D

APPENDIX D

Quantitation Reports

Mills Gap Road TCE Site

GC/MS Analytical Report

January 2008

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\2007\20071211\020.D Vial: 1
Acq On : 11 Dec 2007 12:19 Operator: CWS
Sample : 20071211MBL-3\ method blank Inst : Instrumen
Misc : 5 mL\11 Dec 2007 Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Dec 11 12:26:23 2007 Quant Results File: LOOP20071211.RES

Quant Method : C:\MSDCHEM\1...\LOOP20071211.M (RTE Integrator)

Title : VOC
Last Update : Tue Dec 11 11:52:00 2007
Response via : Initial Calibration
DataAcq Meth : LOOPSIMI

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	4.26	49	616	10.00	ppbv	-0.01
9) 1,4-Difluorobenzene	4.59	114	2498m	10.00	ppbv	0.00
12) Chlorobenzene-d5	5.99	117	2419	10.00	ppbv	-0.02

Target Compounds Qvalue

Data File : C:\MSDCHEM\1\DATA\2007\20071211\020.D

Vial: 1

Acq On : 11 Dec 2007 12:19

Operator: CWS

Sample : 20071211MBL-3\ method blank

Inst : Instrumen

Misc : 5 mL\11 Dec 2007

Multiplr: 1.00

MS Integration Params: rteint.p

Quant Time: Dec 11 12:28 2007

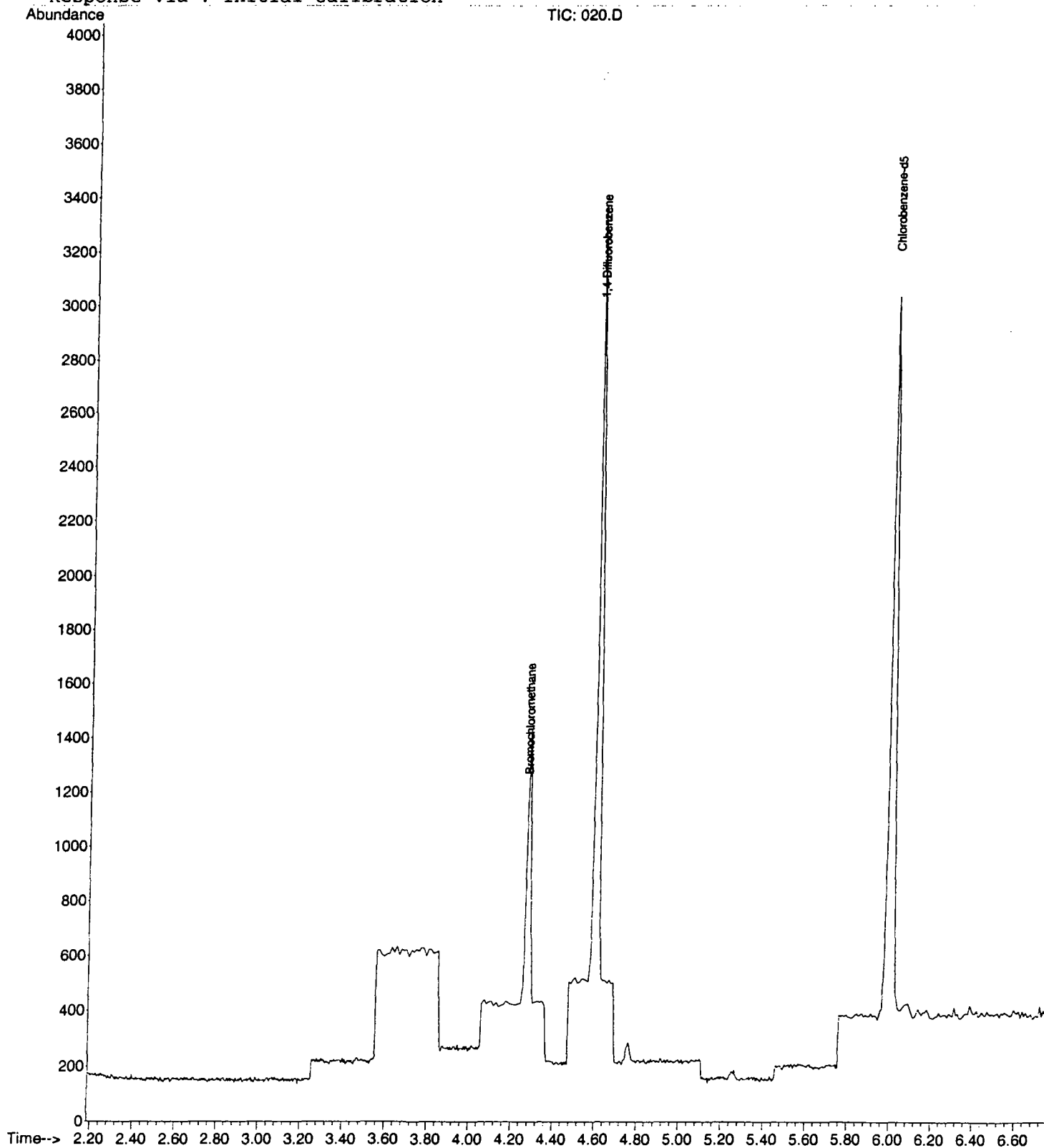
Quant Results File: LOOP20071211.RES

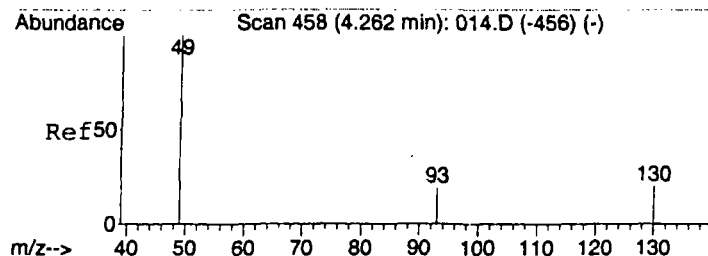
Method : C:\MSDCHEM\1\METHODS\LOOP20071212.M (RTE Integrator)

Title : VOC

Last Update : Tue Dec 18 13:43:01 2007

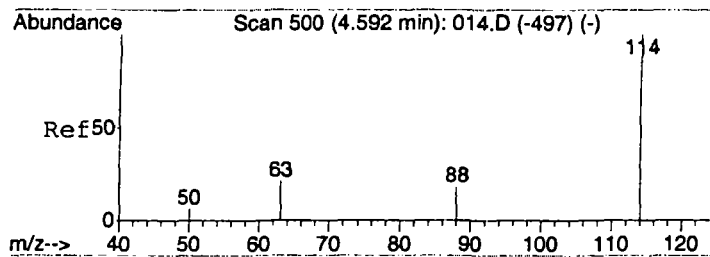
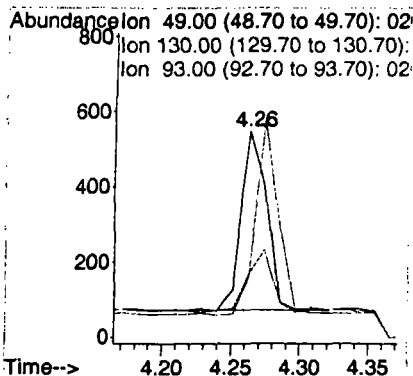
Response via : Initial Calibration





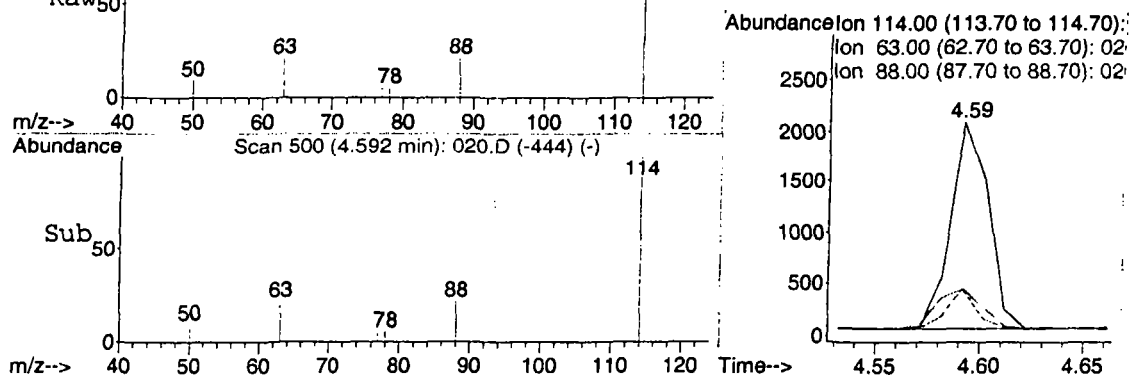
#1
Bromochloromethane
Concen: 10.00 ppbv
RT: 4.26 min Scan# 458
Delta R.T. -0.01 min
Lab File: 020.D
Acq: 11 Dec 2007 12:19

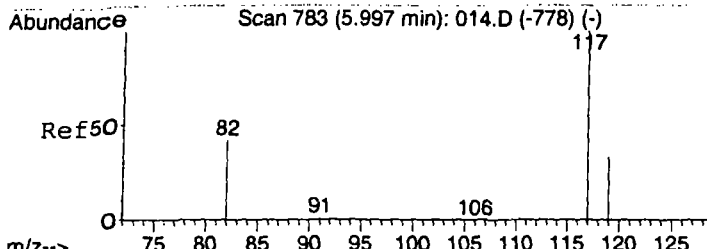
Tgt Ion: 49 Resp: 616
Ion Ratio Lower Upper
49 100
130 158.1 105.7 158.5
93 115.1 24.4 36.6#



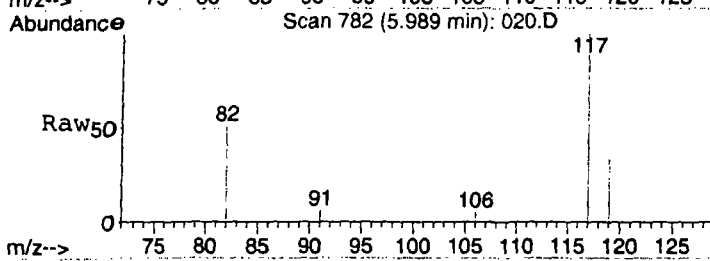
#9
1,4-Difluorobenzene
Concen: 10.00 ppbv m
RT: 4.59 min Scan# 500
Delta R.T. -0.01 min
Lab File: 020.D
Acq: 11 Dec 2007 12:19

Tgt Ion: 114 Resp: 2498
Ion Ratio Lower Upper
114 100
63 19.1 15.4 23.2
88 35.1 11.8 17.6#

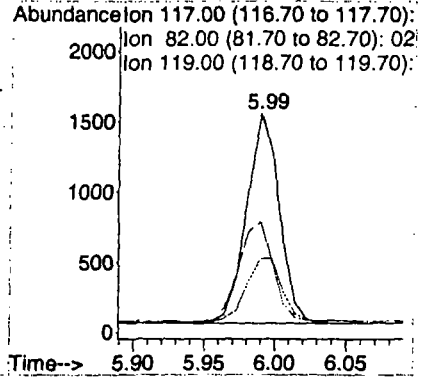
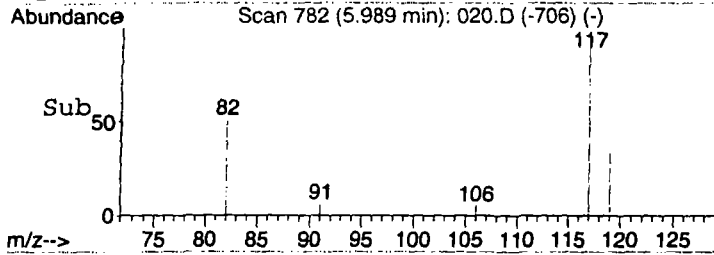




#12
 Chlorobenzene-d5
 Concen: 10.00 ppbv
 RT: 5.99 min Scan# 782
 Delta R.T. -0.02 min
 Lab File: 020.D
 Acq: 11 Dec 2007 12:19



Tgt Ion: 117 Resp: 2419
 Ion Ratio Lower Upper
 117 100
 82 52.7 41.0 61.6
 119 33.2 25.5 38.3



Data File : C:\MSDCHEM\1\DATA\2007\20071211\021.D Vial: 1
Acq On : 11 Dec 2007 12:31 Operator: CWS
Sample : 20071211LBL-1\ lot blank Inst : Instrumen
Misc : 5 mL\11 Dec 2007 Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Dec 11 12:58:42 2007 Quant Results File: LOOP20071211.RES

Quant Method : C:\MSDCHEM\1...\LOOP20071211.M (RTE Integrator)

Title : VOC
Last Update : Tue Dec 11 11:52:00 2007
Response via : Initial Calibration
DataAcq Meth : LOOPSIMI

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	4.26	49	620	10.00	ppbv	-0.01
9) 1,4-Difluorobenzene	4.59	114	2489m	10.00	ppbv	0.00
12) Chlorobenzene-d5	5.99	117	2492	10.00	ppbv	-0.02

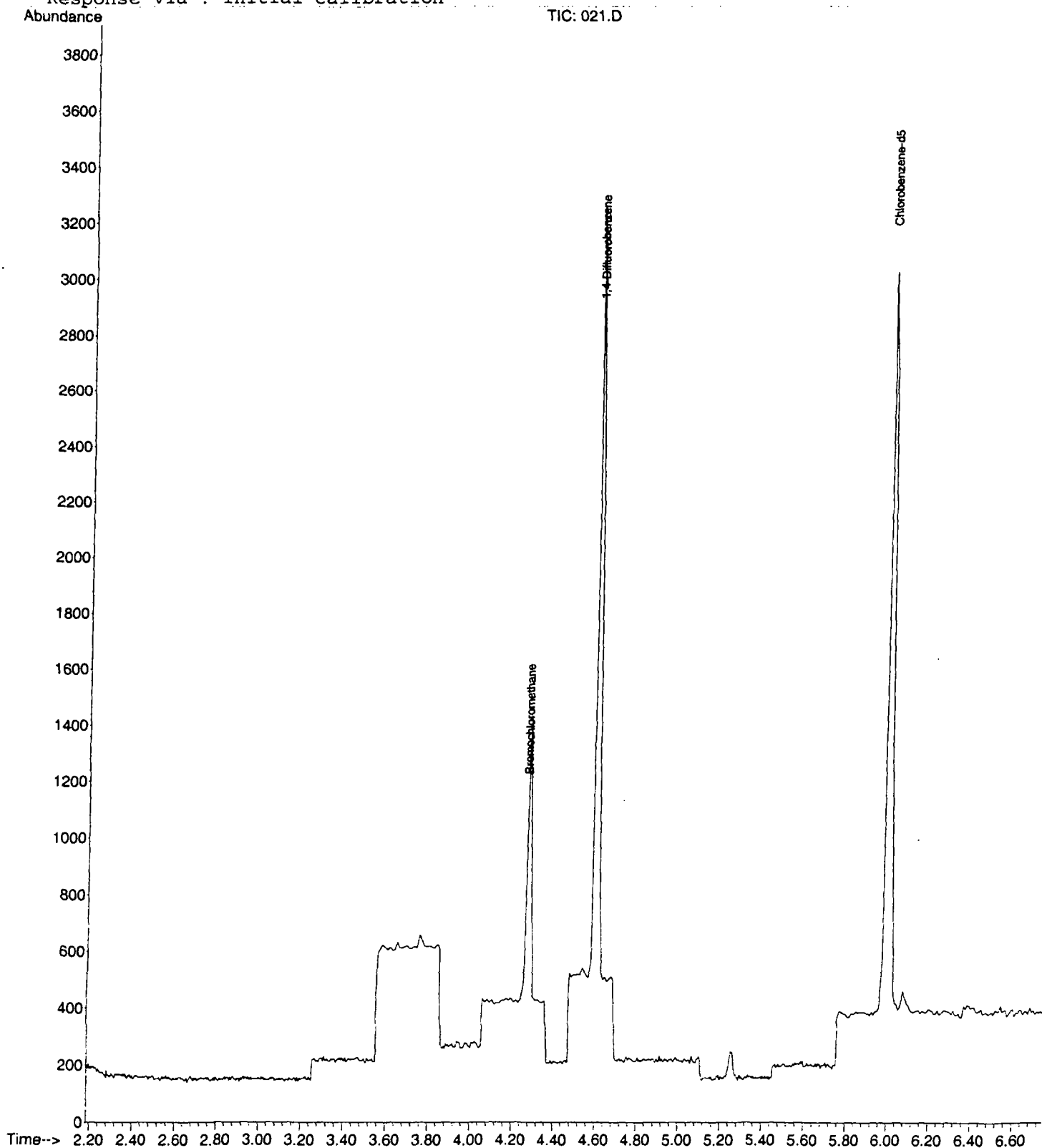
Target Compounds Qvalue

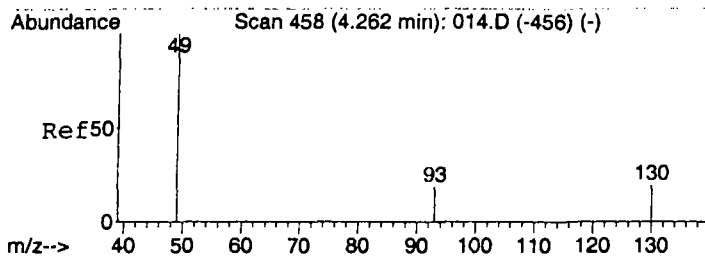
Data File : C:\MSDCHEM\1\DATA\2007\20071211\021.D
Acq On : 11 Dec 2007 12:31
Sample : 20071211LBL-1\ lot blank
Misc : 5 mL\11 Dec 2007
MS Integration Params: rteint.p
Quant Time: Dec 11 13:00 2007

Vial: 1
Operator: CWS
Inst : Instrumen
Multiplr: 1.00

Quant Results File: LOOP20071211.RES

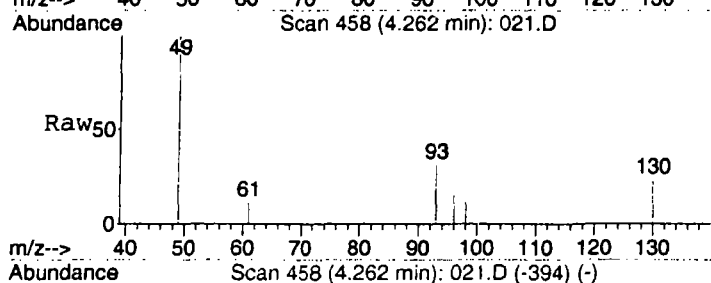
Method : C:\MSDCHEM\1\METHODS\LOOP20071212.M (RTE Integrator)
Title : VOC
Last Update : Tue Dec 18 13:43:01 2007
Response via : Initial Calibration



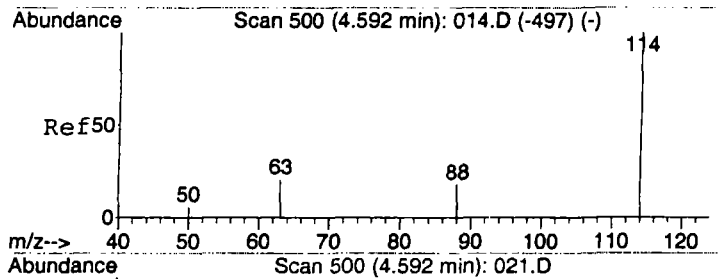
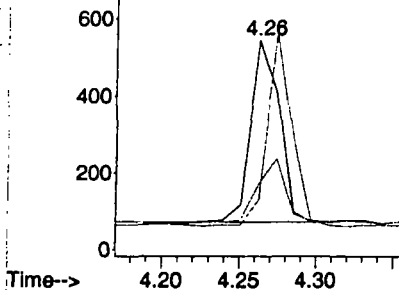
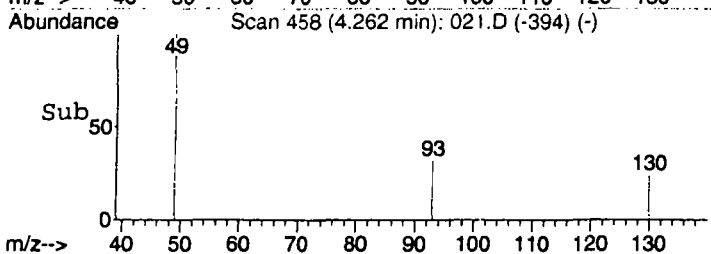


#1
 Bromochloromethane
 Concen: 10.00 ppbv
 RT: 4.26 min Scan# 458
 Delta R.T. -0.01 min
 Lab File: 021.D
 Acq: 11 Dec 2007 12:31

Tgt Ion: 49 Resp: 620
 Ion Ratio Lower Upper
 49 100
 130 91.5 105.7 158.5#
 93 108.5 24.4 36.6#

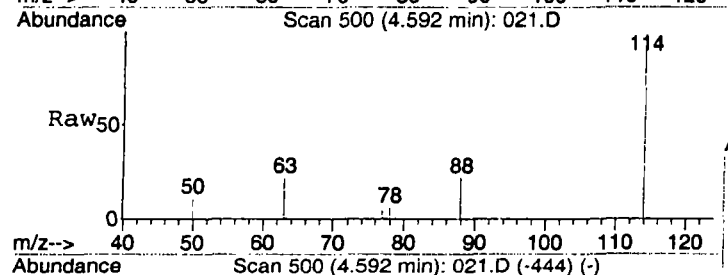


Abundance Ion 49.00 (48.70 to 49.70): 02
 Ion 130.00 (129.70 to 130.70):
 Ion 93.00 (92.70 to 93.70): 02

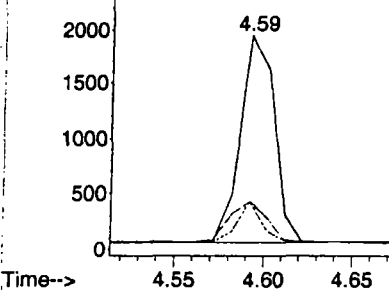
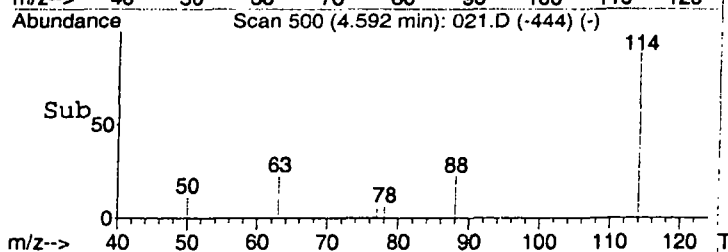


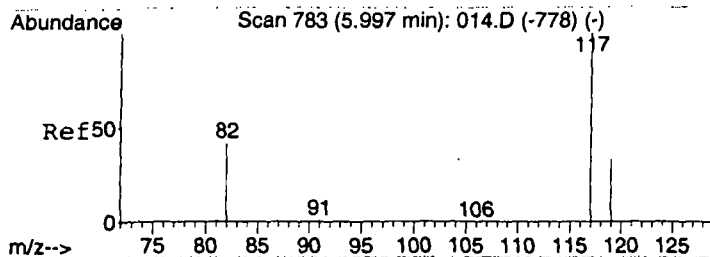
#9
 1,4-Difluorobenzene
 Concen: 10.00 ppbv m
 RT: 4.59 min Scan# 500
 Delta R.T. -0.01 min
 Lab File: 021.D
 Acq: 11 Dec 2007 12:31

Tgt Ion: 114 Resp: 2489
 Ion Ratio Lower Upper
 114 100
 63 22.5 15.4 23.2
 88 20.0 11.8 17.6#

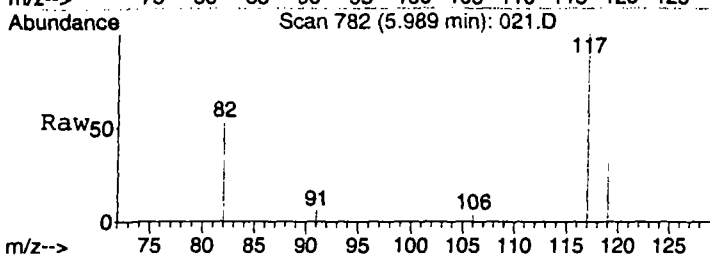


Abundance Ion 114.00 (113.70 to 114.70):
 Ion 63.00 (62.70 to 63.70): 02
 Ion 88.00 (87.70 to 88.70): 02



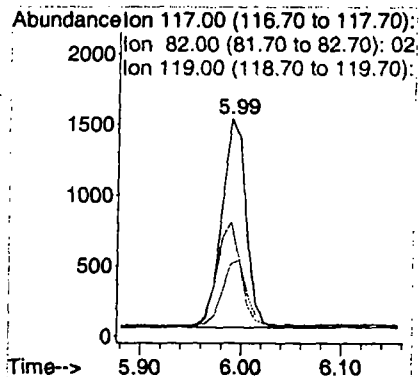
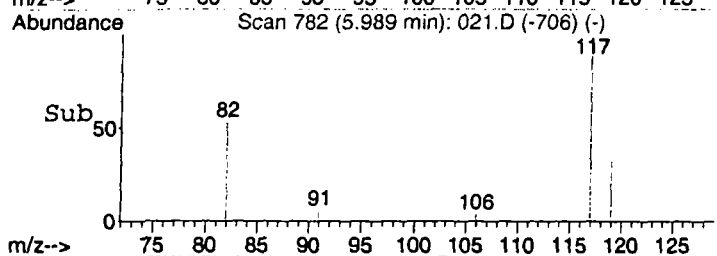


#12
 Chlorobenzene-d5
 Concen: 10.00 ppbv
 RT: 5.99 min Scan# 782
 Delta R.T. -0.02 min
 Lab File: 021.D
 Acq: 11 Dec 2007 12:31



Tgt Ion: 117 Resp: 2492

Ion	Ratio	Lower	Upper
117	100		
82	48.8	41.0	61.6
119	31.8	25.5	38.3



Data File : C:\MSDCHEM\1\DATA\2007\20071211\022.D Vial: 1
Acq On : 11 Dec 2007 13:08 Operator: CWS
Sample : 4440\ MGSS04 Inst : Instrumen
Misc : 5 mL\11 Dec 2007 Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Dec 11 13:17:45 2007 Quant Results File: LOOP20071211.RES

Quant Method : C:\MSDCHEM\1...\LOOP20071211.M (RTE Integrator)
Title : VOC
Last Update : Tue Dec 11 11:52:00 2007
Response via : Initial Calibration
DataAcq Meth : LOOPSIMI

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	4.26	49	578	10.00	ppbv	-0.01
9) 1,4-Difluorobenzene	4.59	114	2336m	10.00	ppbv	0.00
12) Chlorobenzene-d5	5.99	117	2310	10.00	ppbv	-0.02

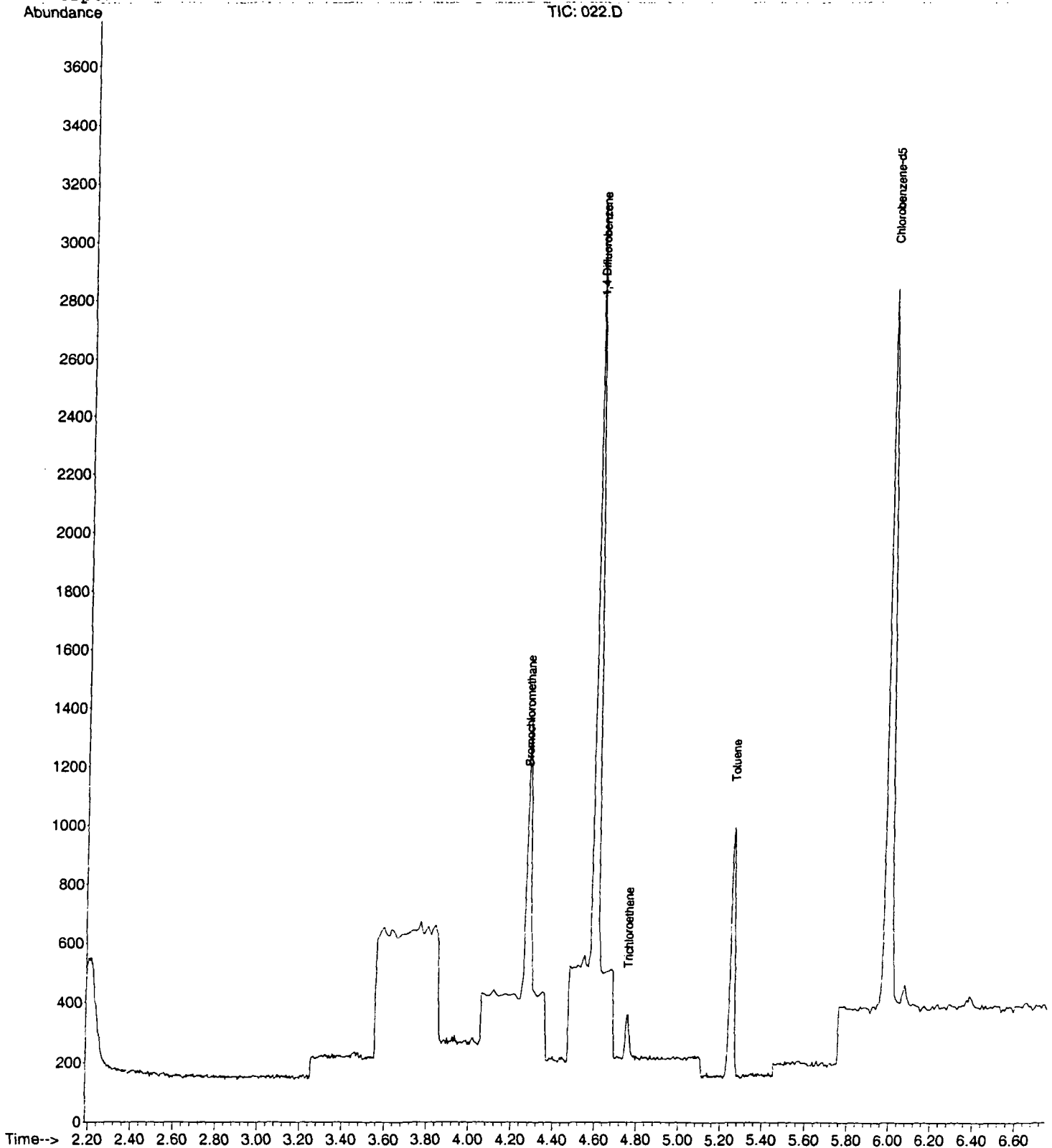
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
11) Trichloroethene	4.75	130	70m	0.80	ppbv	
13) Toluene	5.25	91	736	3.51	ppbv	99

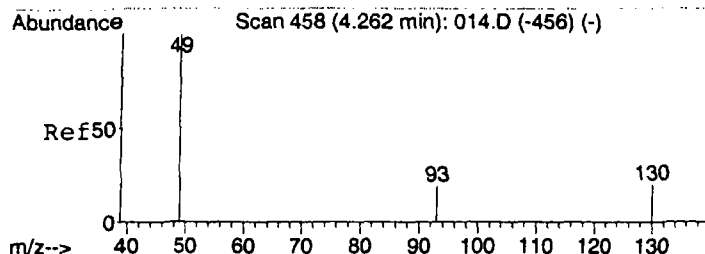
Data File : C:\MSDCHEM\1\DATA\2007\20071211\022.D
Acq On : 11 Dec 2007 13:08
Sample : 4440\ MGSS04
Misc : 5 mL\11 Dec 2007
MS Integration Params: rteint.p
Quant Time: Dec 11 13:22 2007

Vial: 1
Operator: CWS
Inst : Instrumen
Multiplr: 1.00

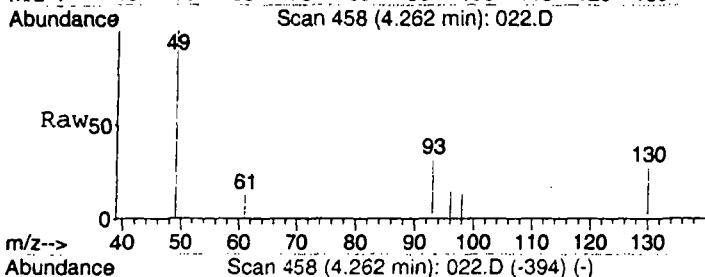
Quant Results File: LOOP20071211.RES

Method : C:\MSDCHEM\1\METHODS\LOOP20071212.M (RTE Integrator)
Title : VOC
Last Update : Tue Dec 18 13:43:01 2007
Response via : Initial Calibration

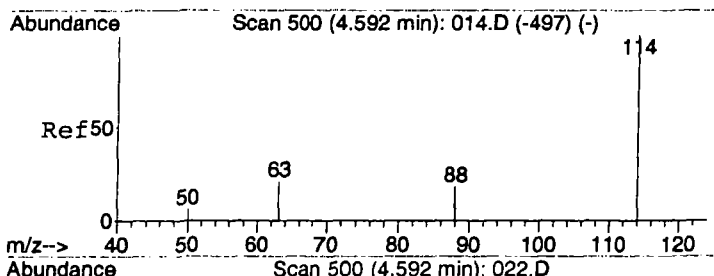
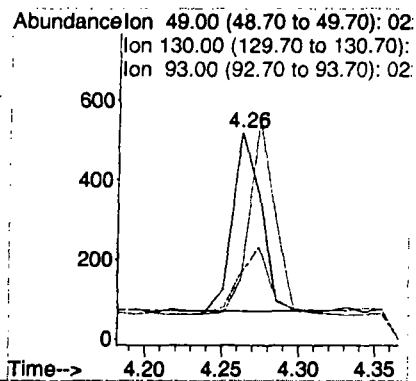
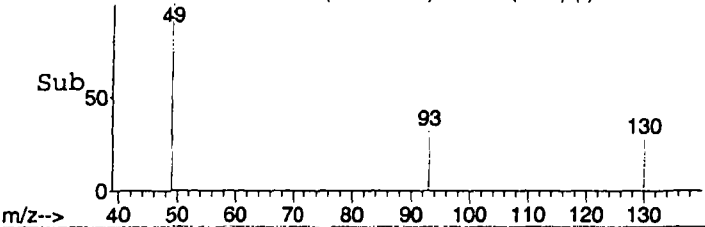




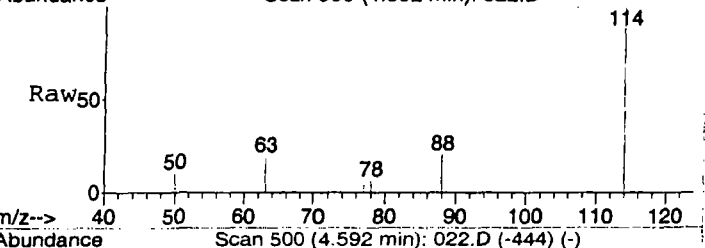
#1
 Bromochloromethane
 Concen: 10.00 ppbv
 RT: 4.26 min Scan# 458
 Delta R.T. -0.01 min
 Lab File: 022.D
 Acq: 11 Dec 2007 13:08



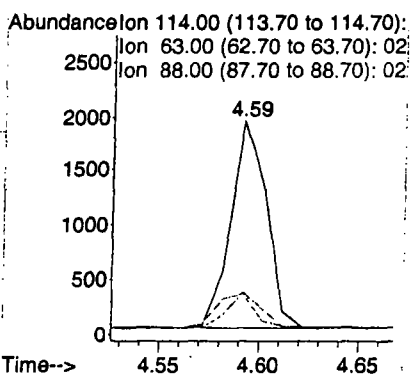
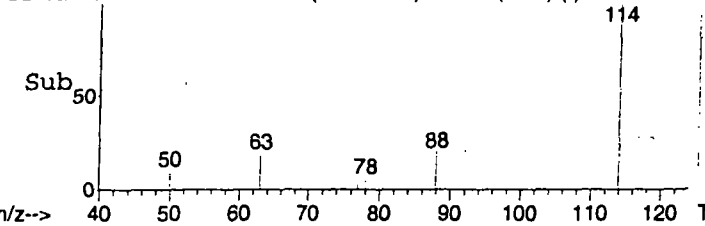
Tgt Ion: 49 Resp: 578
 Ion Ratio Lower Upper
 49 100
 130 171.3 105.7 158.5#
 93 37.2 24.4 36.6#

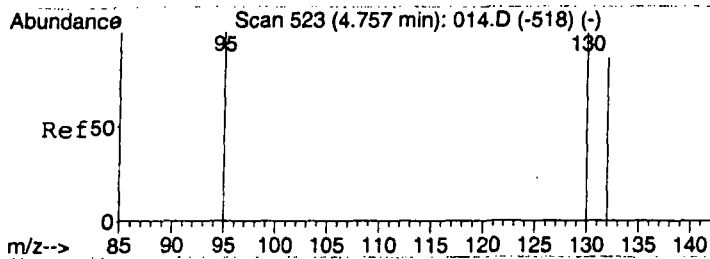


#9
 1,4-Difluorobenzene
 Concen: 10.00 ppbv m
 RT: 4.59 min Scan# 500
 Delta R.T. -0.01 min
 Lab File: 022.D
 Acq: 11 Dec 2007 13:08



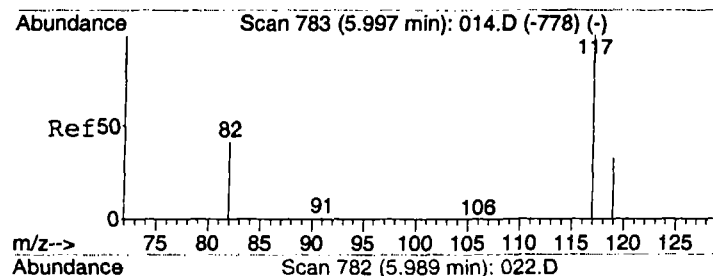
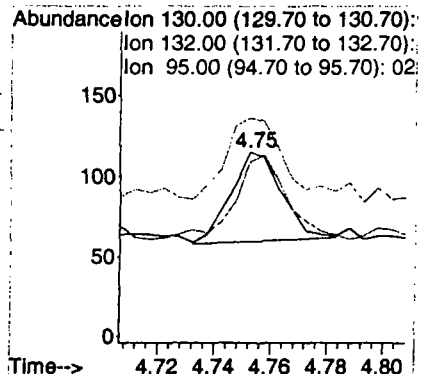
Tgt Ion: 114 Resp: 2336
 Ion Ratio Lower Upper
 114 100
 63 19.9 15.4 23.2
 88 17.1 11.8 17.6





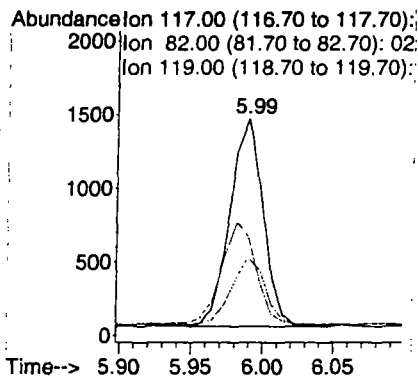
#11
Trichloroethene
Concen: 0.80 ppbv m
RT: 4.75 min Scan# 522
Delta R.T. -0.02 min
Lab File: 022.D
Acq: 11 Dec 2007 13:08

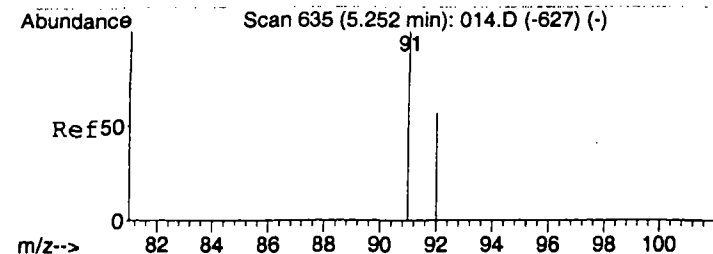
Tgt Ion:130 Resp: 70
Ion Ratio Lower Upper
130 100
132 152.9 74.7 112.1#
95 135.7 75.2 112.8#



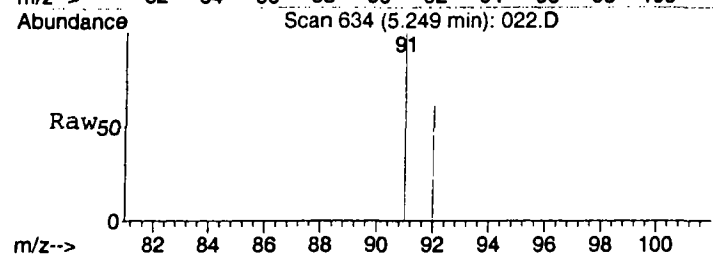
#12
Chlorobenzene-d5
Concen: 10.00 ppbv
RT: 5.99 min Scan# 782
Delta R.T. -0.02 min
Lab File: 022.D
Acq: 11 Dec 2007 13:08

Tgt Ion:117 Resp: 2310
Ion Ratio Lower Upper
117 100
82 50.8 41.0 61.6
119 33.2 25.5 38.3

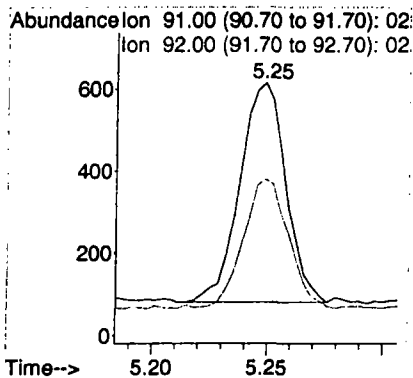
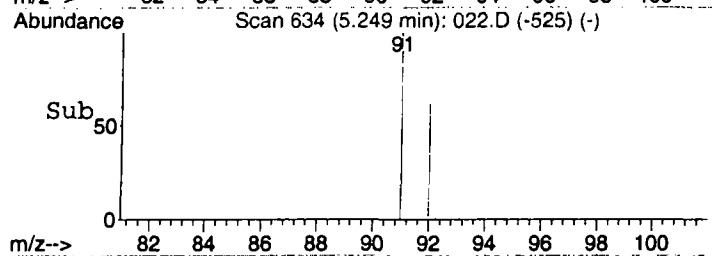




#13
Toluene
Concen: 3.51 ppbv
RT: 5.25 min Scan# 634
Delta R.T. -0.02 min
Lab File: 022.D
Acq: 11 Dec 2007 13:08



Tgt Ion: 91 Resp: 736
Ion Ratio Lower Upper
91 100
92 57.6 46.9 70.3



Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\2007\20071211\023.D Vial: 1
Acq On : 11 Dec 2007 13:19 Operator: CWS
Sample : 4441\ MGSS32 Inst : Instrumen
Misc : 5 mL\11 Dec 2007 Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Dec 11 13:28:00 2007 Quant Results File: LOOP20071211.RES

Quant Method : C:\MSDCHEM\1...\LOOP20071211.M (RTE Integrator)

Title : VOC

Last Update : Tue Dec 11 11:52:00 2007

Response via : Initial Calibration

DataAcq Meth : LOOPSIMI

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	4.26	49	602m	10.00	ppbv	-0.01
9) 1,4-Difluorobenzene	4.59	114	2434m	10.00	ppbv	0.00
12) Chlorobenzene-d5	5.99	117	2417	10.00	ppbv	-0.02

Target Compounds						Qvalue
10) Benzene	4.54	78	122m	0.73	ppbv	
13) Toluene	5.25	91	6016	27.43	ppbv	99
16) m&p-Xylenes	6.07	91	254	1.60	ppbv	95

Data File : C:\MSDCHEM\1\DATA\2007\20071211\023.D

Vial: 1

Acq On : 11 Dec 2007 13:19

Operator: CWS

Sample : 4441\ MGSS32

Inst : Instrumen

Misc : 5 mL\11 Dec 2007

Multiplr: 1.00

MS Integration Params: rteint.p

Quant Time: Dec 11 13:33 2007

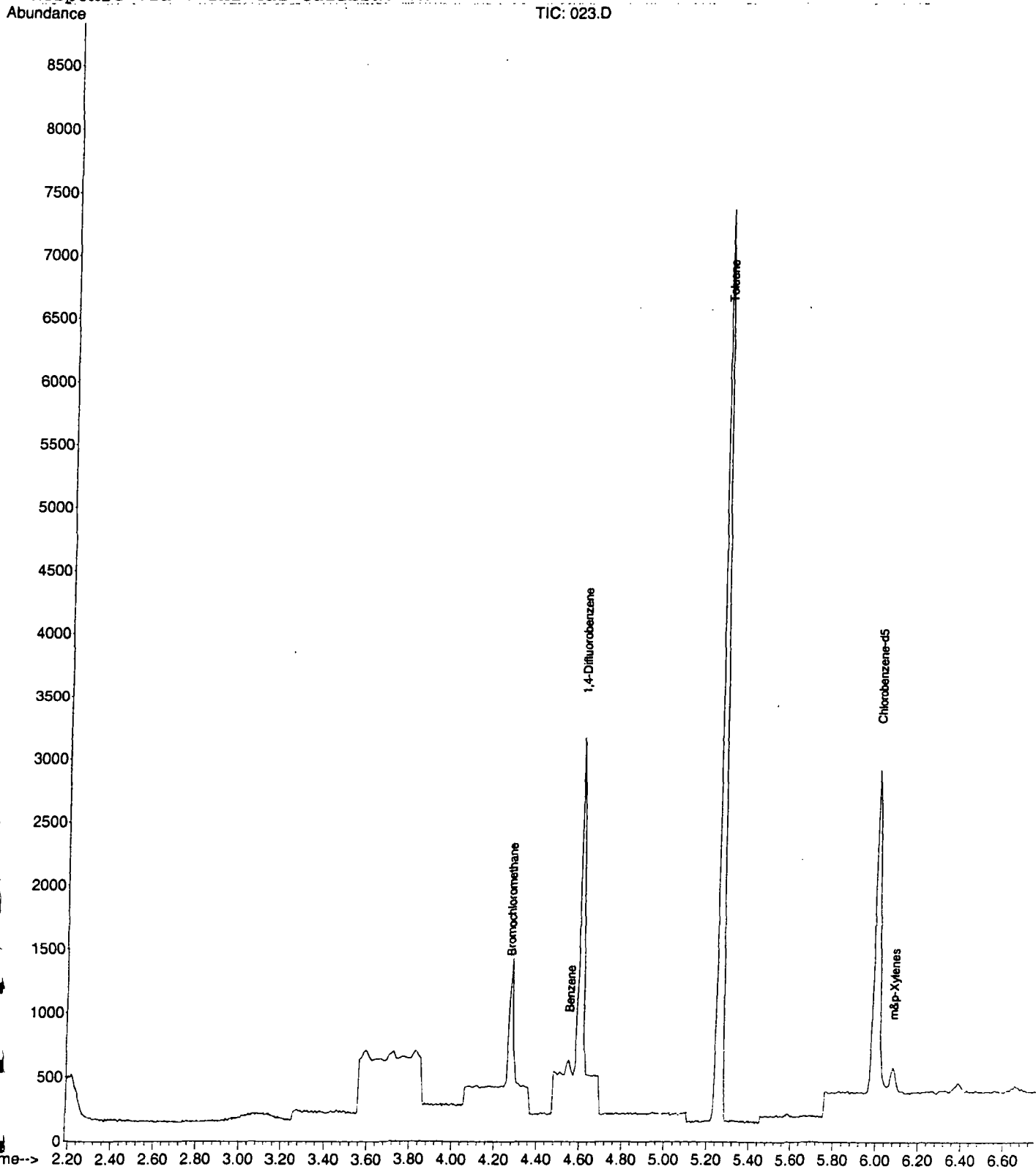
Quant Results File: LOOP20071211.RES

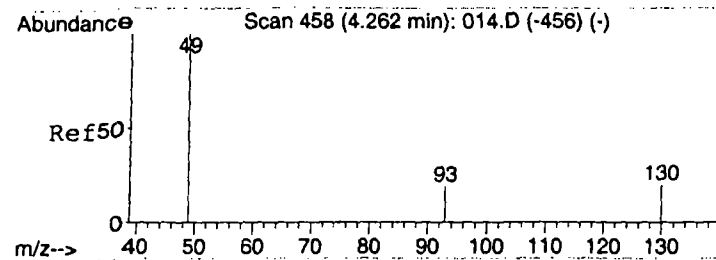
Method : C:\MSDCHEM\1\METHODS\LOOP20071212.M (RTE Integrator)

Title : VOC

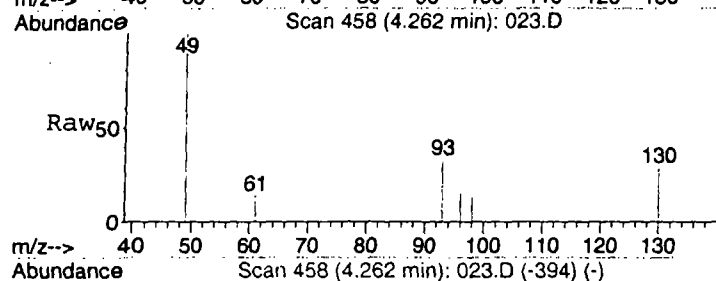
Last Update : Tue Dec 18 13:43:01 2007

Response via : Initial Calibration

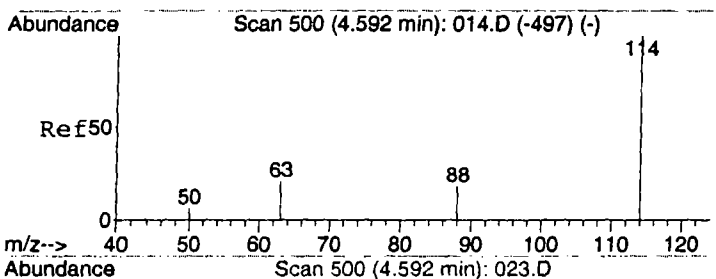
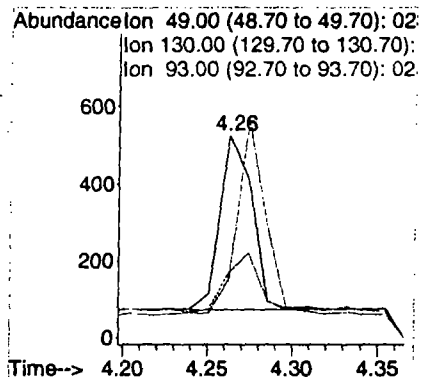
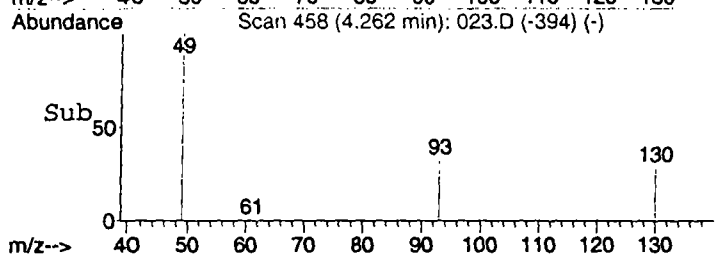




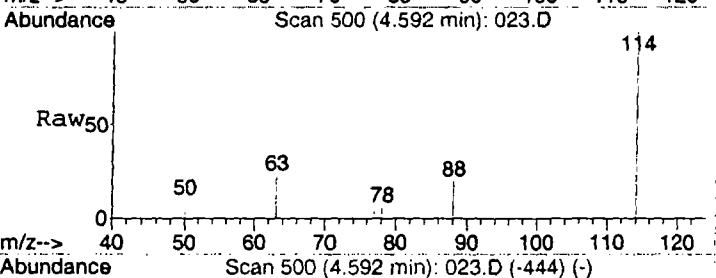
#1
Bromochloromethane
Concen: 10.00 ppbv m
RT: 4.26 min Scan# 458
Delta R.T. -0.01 min
Lab File: 023.D
Acq: 11 Dec 2007 13:19



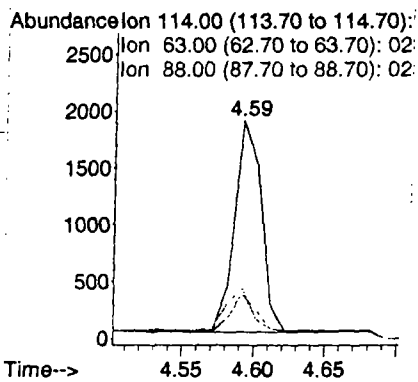
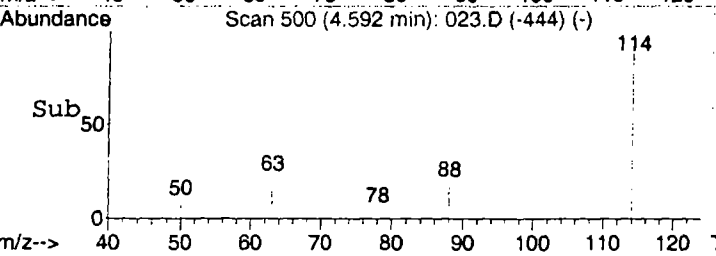
Tgt Ion: 49 Resp: 602
Ion Ratio Lower Upper
49 100
130 166.8 105.7 158.5#
93 109.3 24.4 36.6#

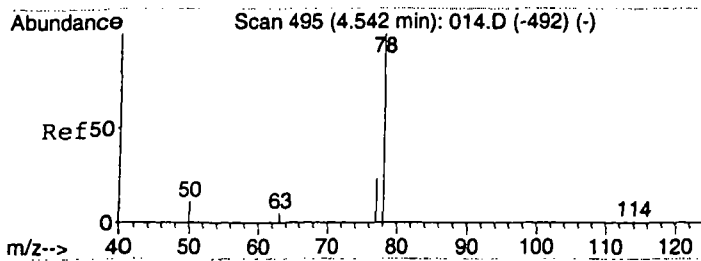


#9
1,4-Difluorobenzene
Concen: 10.00 ppbv m
RT: 4.59 min Scan# 500
Delta R.T. -0.01 min
Lab File: 023.D
Acq: 11 Dec 2007 13:19



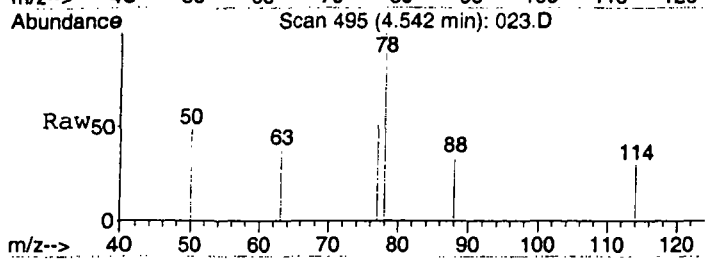
Tgt Ion: 114 Resp: 2434
Ion Ratio Lower Upper
114 100
63 18.4 15.4 23.2
88 20.4 11.8 17.6#



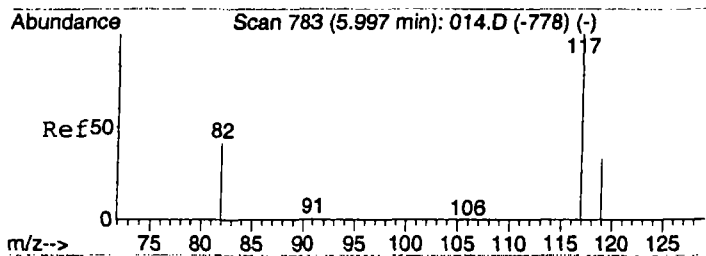
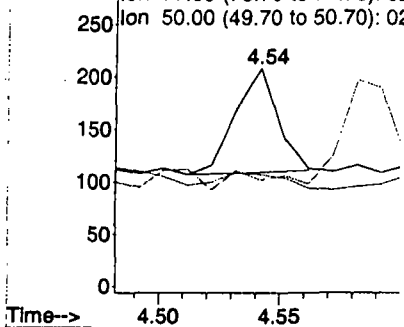
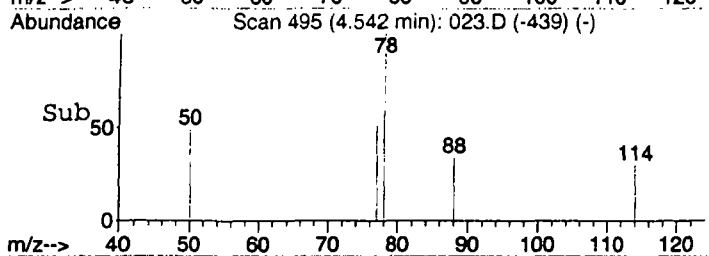


#10
Benzene
Concen: 0.73 ppbv m
RT: 4.54 min Scan# 495
Delta R.T. -0.01 min
Lab File: 023.D
Acq: 11 Dec 2007 13:19

Tgt Ion: 78 Resp: 122
Ion Ratio Lower Upper
78 100
77 0.0 20.5 30.7#
50 258.2 15.9 23.9#

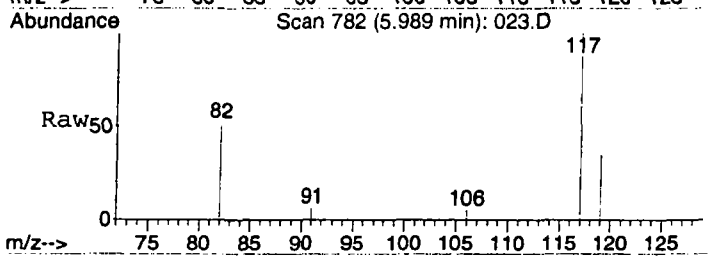


Abundance Ion 78.00 (77.70 to 78.70): 02
Ion 77.00 (76.70 to 77.70): 02
Ion 50.00 (49.70 to 50.70): 02

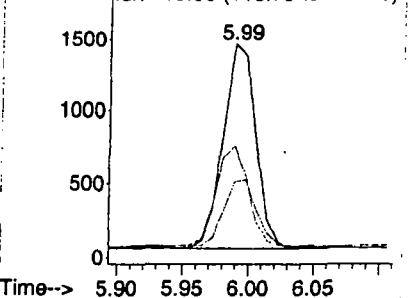
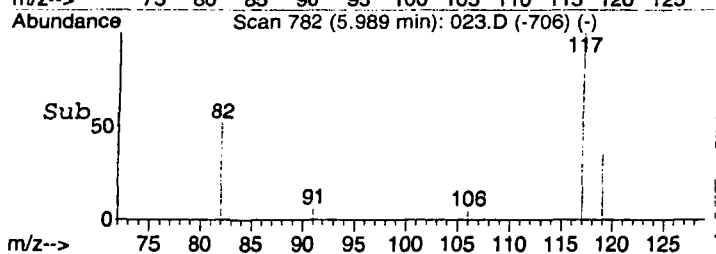


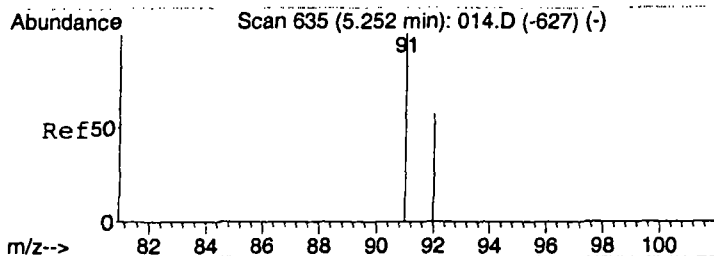
#12
Chlorobenzene-d5
Concen: 10.00 ppbv
RT: 5.99 min Scan# 782
Delta R.T. -0.02 min
Lab File: 023.D
Acq: 11 Dec 2007 13:19

Tgt Ion: 117 Resp: 2417
Ion Ratio Lower Upper
117 100
82 50.1 41.0 61.6
119 32.0 25.5 38.3



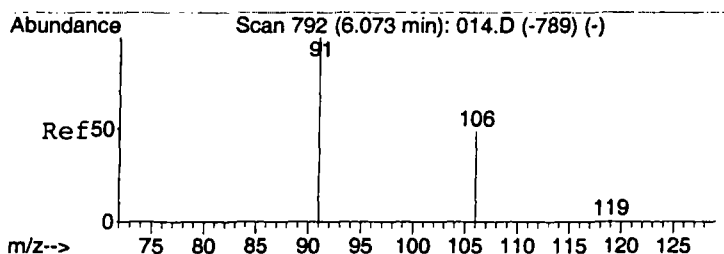
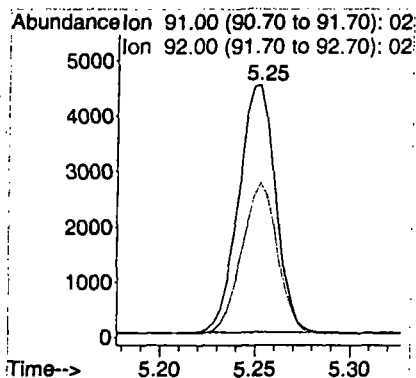
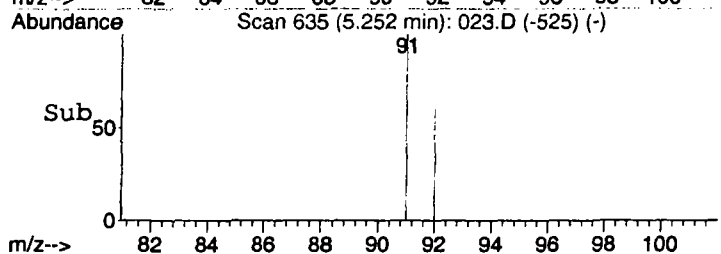
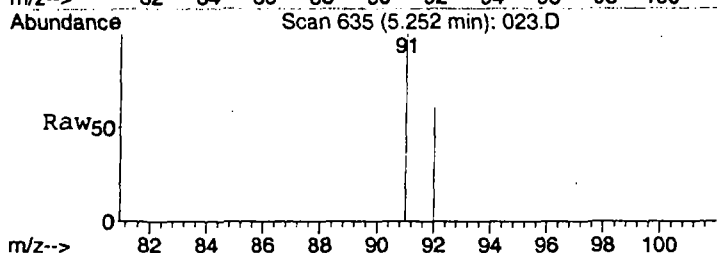
Abundance Ion 117.00 (116.70 to 117.70): 2000
Ion 82.00 (81.70 to 82.70): 02
Ion 119.00 (118.70 to 119.70): 02





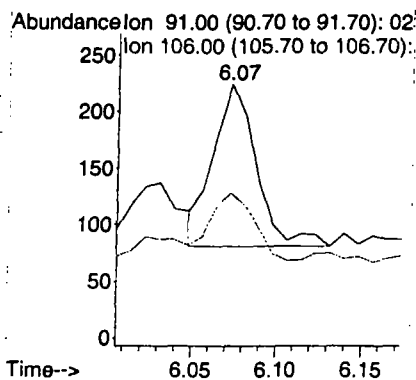
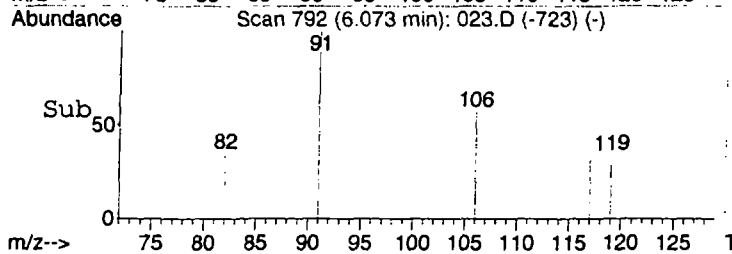
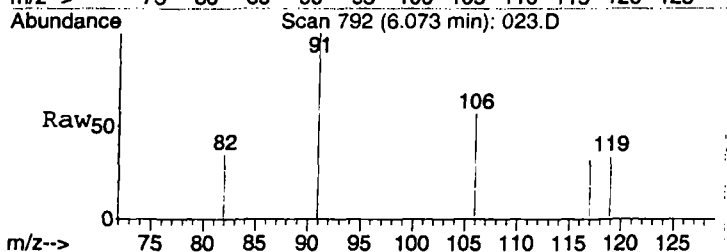
#13
Toluene
Concen: 27.43 ppbv
RT: 5.25 min Scan# 635
Delta R.T. -0.02 min
Lab File: 023.D
Acq: 11 Dec 2007 13:19

Tgt Ion: 91 Resp: 6016
Ion Ratio Lower Upper
91 100
92 59.1 46.9 70.3



#16
m&p-Xylenes
Concen: 1.60 ppbv
RT: 6.07 min Scan# 792
Delta R.T. -0.02 min
Lab File: 023.D
Acq: 11 Dec 2007 13:19

Tgt Ion: 91 Resp: 254
Ion Ratio Lower Upper
91 100
106 42.1 36.4 54.6



Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\2007\20071211\024.D Vial: 1
 Acq On : 11 Dec 2007 13:30 Operator: CWS
 Sample : 4442\ Ambient Inst : Instrumen
 Misc : 5 mL\11 Dec 2007 Multiplr: 1.00
 MS Integration Params: rteint.p
 Quant Time: Dec 11 13:37:15 2007 Quant Results File: LOOP20071211.RES

Quant Method : C:\MSDCHEM\1...\LOOP20071211.M (RTE Integrator)

Title : VOC
 Last Update : Tue Dec 11 11:52:00 2007
 Response via : Initial Calibration
 DataAcq Meth : LOOPSIMI

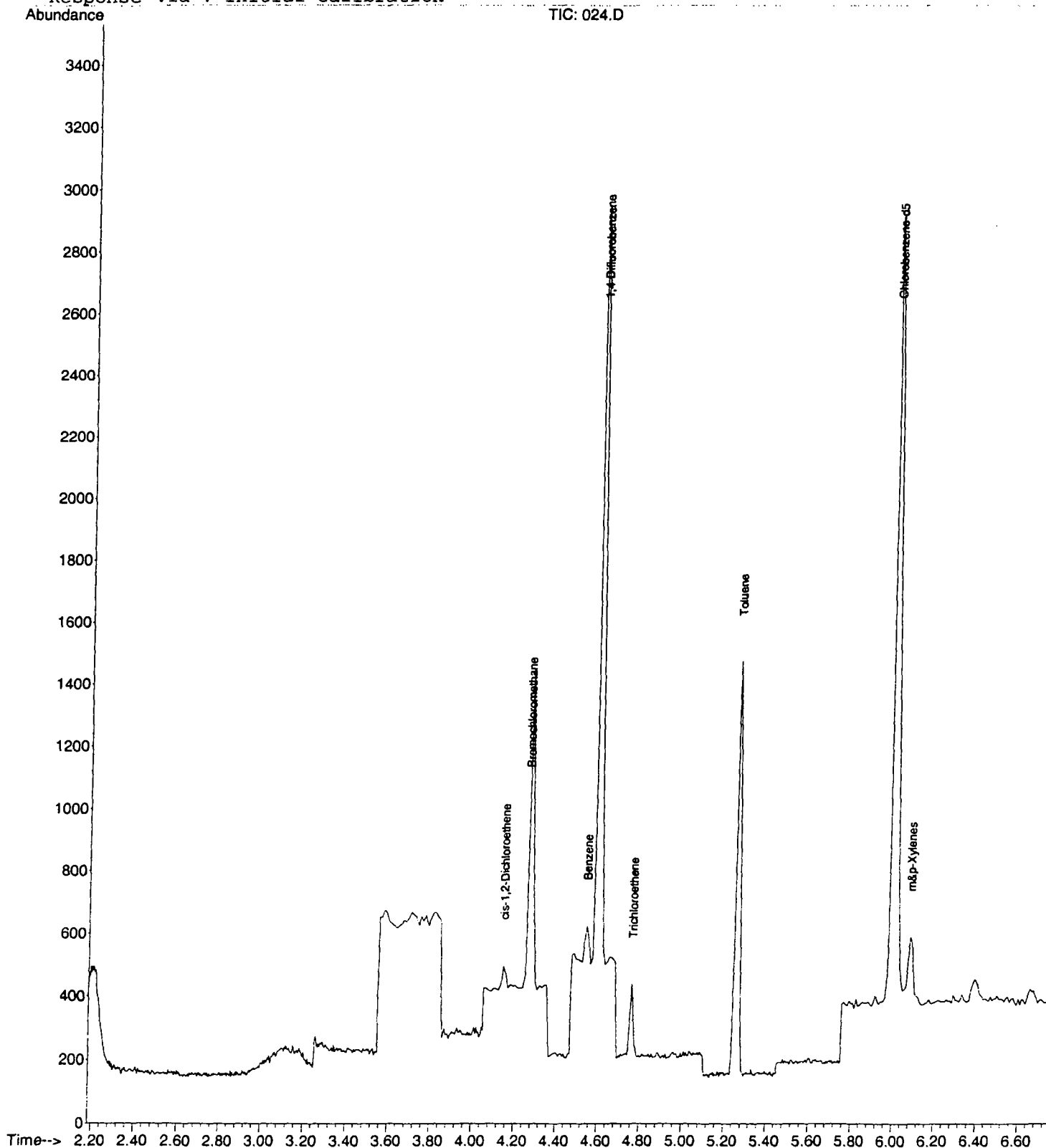
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	4.26	49	603	10.00	ppbv	-0.01
9) 1,4-Difluorobenzene	4.60	114	2399m	10.00	ppbv	0.00
12) Chlorobenzene-d5	6.00	117	2374	10.00	ppbv	-0.02
Target Compounds						Qvalue
7) cis-1,2-Dichloroethene	4.15	61	41m	0.57	ppbv	
10) Benzene	4.54	78	117m	0.71	ppbv	
11) Trichloroethene	4.76	130	99	1.10	ppbv #	54
13) Toluene	5.26	91	1118	5.19	ppbv	98
16) m&p-Xylenes	6.08	91	250	1.60	ppbv	88

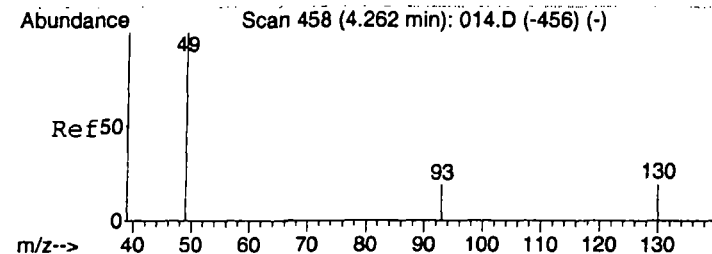
Data File : C:\MSDCHEM\1\DATA\2007\20071211\024.D
Acq On : 11 Dec 2007 13:30
Sample : 4442\ Ambient
Misc : 5 mL\11 Dec 2007
MS Integration Params: rteint.p
Quant Time: Dec 11 13:39 2007

Vial: 1
Operator: CWS
Inst : Instrumen
Multiplr: 1.00

Quant Results File: LOOP20071211.RES

Method : C:\MSDCHEM\1\METHODS\LOOP20071212.M (RTE Integrator)
Title : VOC
Last Update : Tue Dec 18 13:43:01 2007
Response via : Initial Calibration





#1

Bromochloromethane

Concen: 10.00 ppbv

RT: 4.26 min Scan# 458

Delta R.T. -0.01 min

Lab File: 024.D

Acq: 11 Dec 2007 13:30

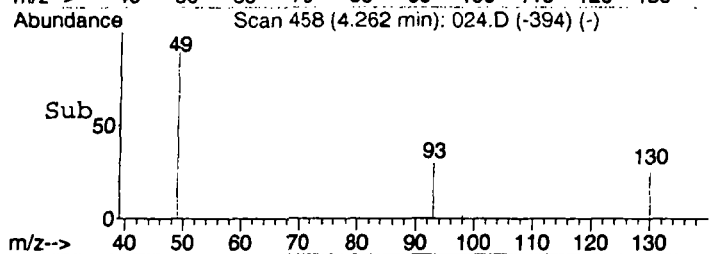
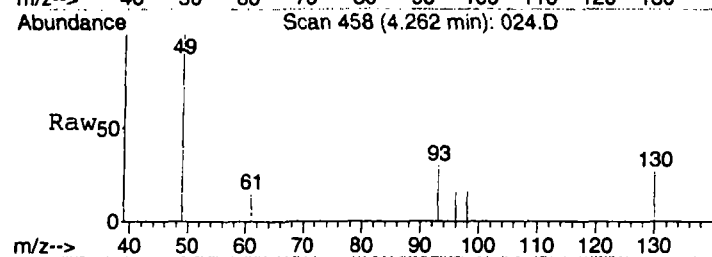
Tgt Ion: 49 Resp: 603

Ion Ratio Lower Upper

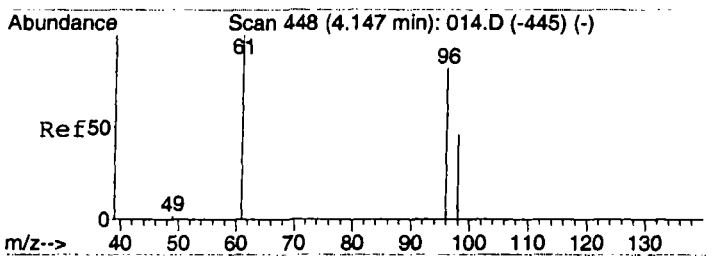
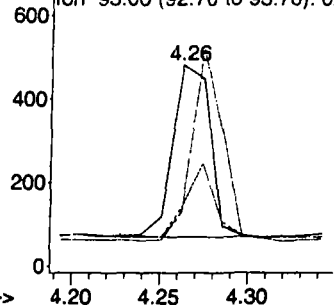
49 100

130 92.9 105.7 158.5#

93 35.2 24.4 36.6



Abundance Ion 49.00 (48.70 to 49.70): 02
Ion 130.00 (129.70 to 130.70): 02
Ion 93.00 (92.70 to 93.70): 02



#7

cis-1,2-Dichloroethene

Concen: 0.57 ppbv m

RT: 4.15 min Scan# 448

Delta R.T. 0.00 min

Lab File: 024.D

Acq: 11 Dec 2007 13:30

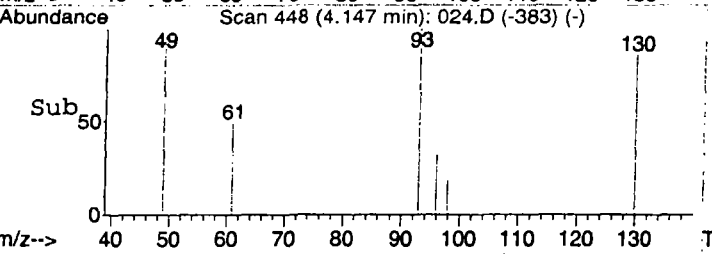
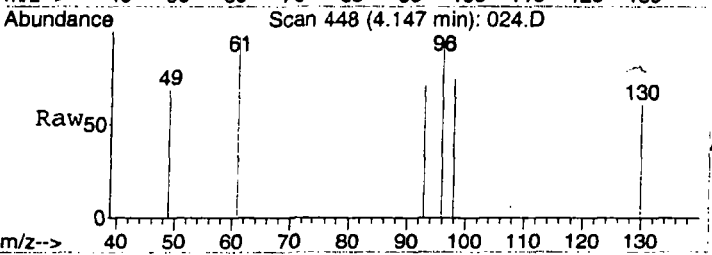
Tgt Ion: 61 Resp: 41

Ion Ratio Lower Upper

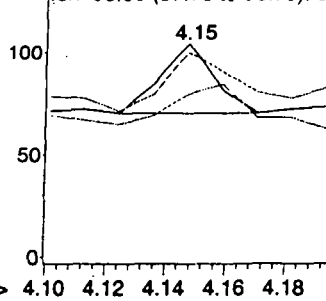
61 100

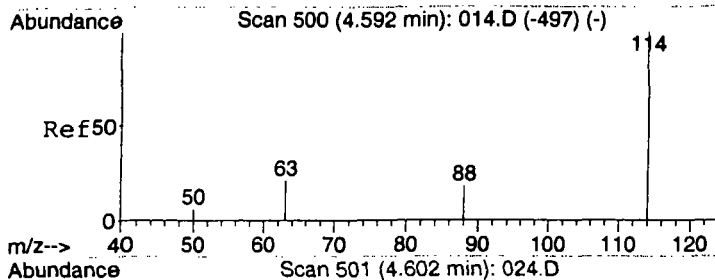
96 219.5 64.8 97.2#

98 0.0 49.8 74.8#



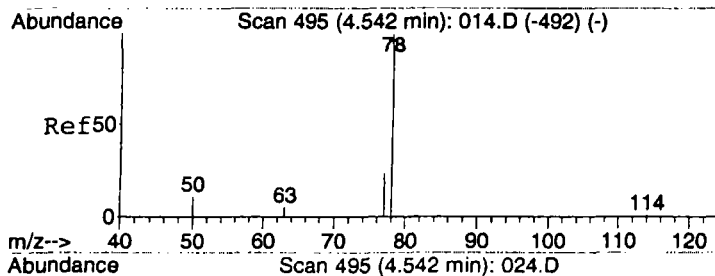
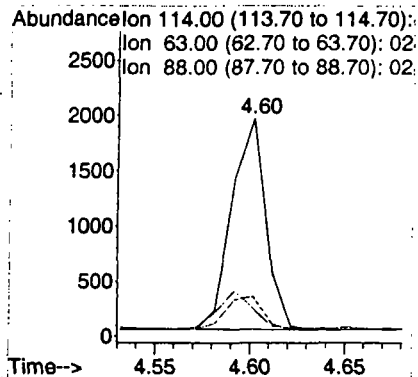
Abundance Ion 61.00 (60.70 to 61.70): 02
Ion 96.00 (95.70 to 96.70): 02
Ion 98.00 (97.70 to 98.70): 02





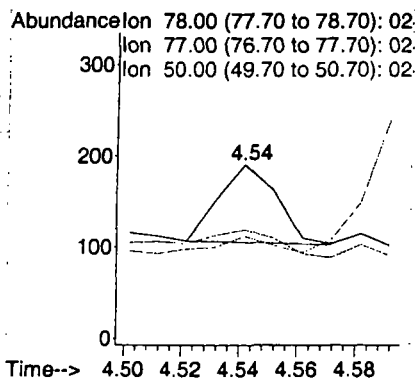
#9
1,4-Difluorobenzene
Concen: 10.00 ppbv m
RT: 4.60 min Scan# 501
Delta R.T. 0.00 min
Lab File: 024.D
Acq: 11 Dec 2007 13:30

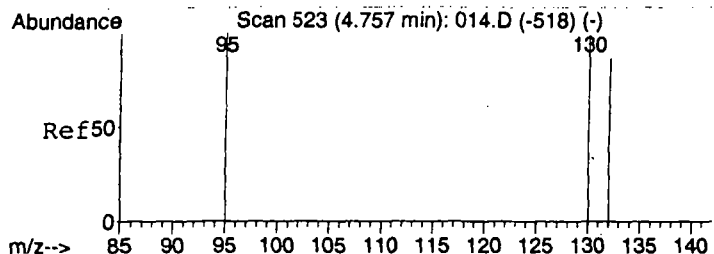
Tgt Ion: 114 Resp: 2399
Ion Ratio Lower Upper
114 100
63 18.3 15.4 23.2
88 17.5 11.8 17.6



#10
Benzene
Concen: 0.71 ppbv m
RT: 4.54 min Scan# 495
Delta R.T. -0.01 min
Lab File: 024.D
Acq: 11 Dec 2007 13:30

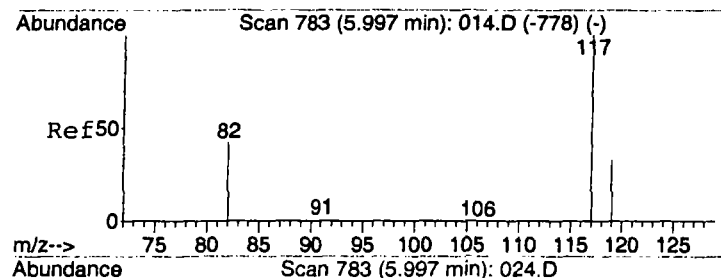
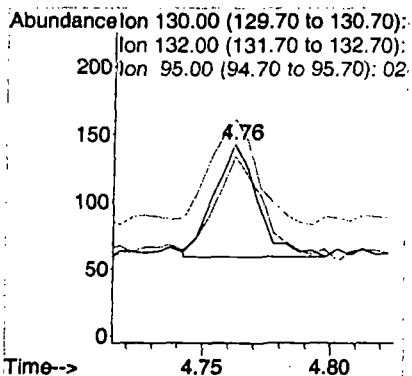
Tgt Ion: 78 Resp: 117
Ion Ratio Lower Upper
78 100
77 0.0 20.5 30.7#
50 214.5 15.9 23.9#





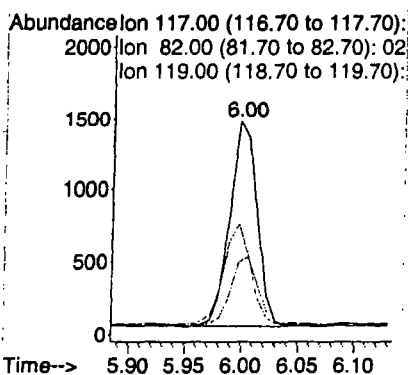
#11
 Trichloroethene
 Concen: 1.10 ppbv
 RT: 4.76 min Scan# 524
 Delta R.T. -0.01 min
 Lab File: 024.D
 Acq: 11 Dec 2007 13:30

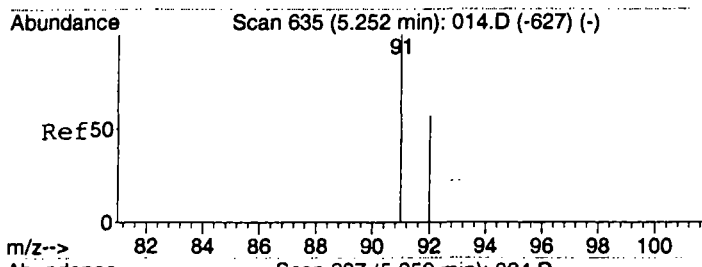
Tgt Ion	Ratio	Lower	Upper
130	100		
132	107.1	74.7	112.1
95	169.7	75.2	112.8



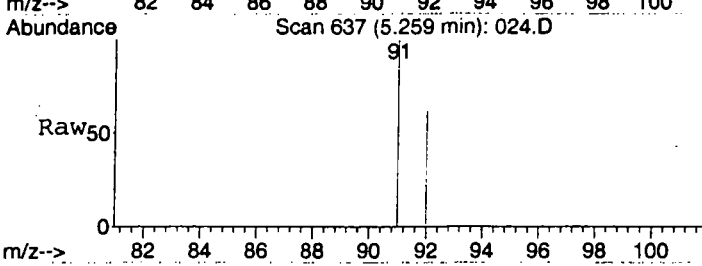
#12
 Chlorobenzene-d5
 Concen: 10.00 ppbv
 RT: 6.00 min Scan# 783
 Delta R.T. -0.02 min
 Lab File: 024.D
 Acq: 11 Dec 2007 13:30

Tgt Ion	Ratio	Lower	Upper
117	100		
82	48.7	41.0	61.6
119	32.1	25.5	38.3

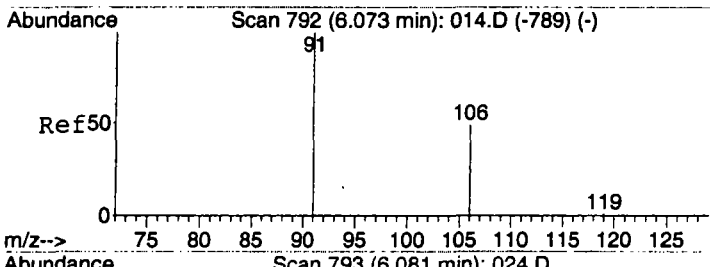
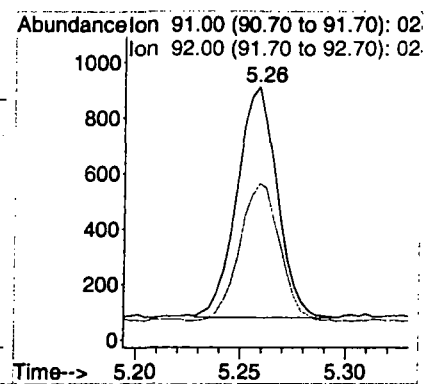
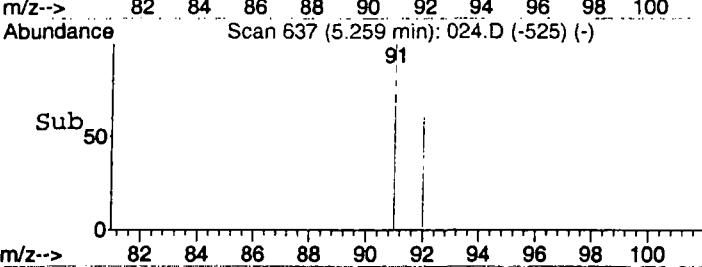




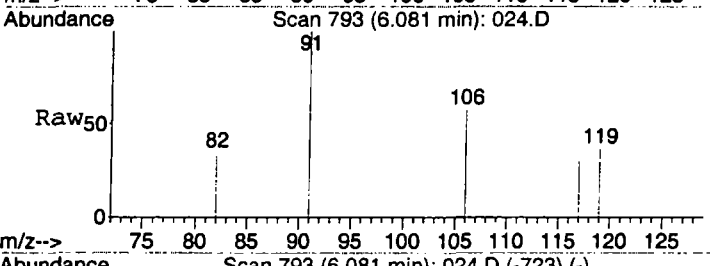
#13
Toluene
Concen: 5.19 ppbv
RT: 5.26 min Scan# 637
Delta R.T. -0.01 min
Lab File: 024.D
Acq: 11 Dec 2007 13:30



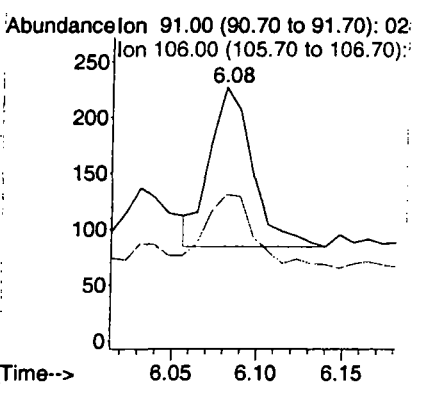
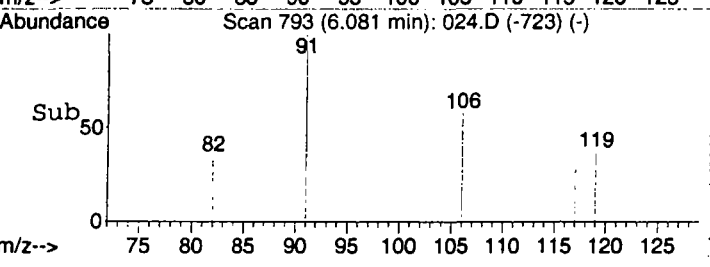
Tgt Ion: 91 Resp: 1118
Ion Ratio Lower Upper
91 100
92 60.1 46.9 70.3



#16
m&p-Xylenes
Concen: 1.60 ppbv
RT: 6.08 min Scan# 793
Delta R.T. -0.02 min
Lab File: 024.D
Acq: 11 Dec 2007 13:30



Tgt Ion: 91 Resp: 250
Ion Ratio Lower Upper
91 100
106 53.2 36.4 54.6



Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\2007\20071211\025.D Vial: 1
Acq On : 11 Dec 2007 13:43 Operator: CWS
Sample : 4442\ Ambient dup Inst : Instrumen
Misc : 5 mL\11 Dec 2007 Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Dec 11 13:50:35 2007 Quant Results File: LOOP20071211.RES

Quant Method : C:\MSDCHEM\1...\LOOP20071211.M (RTE Integrator)
Title : VOC
Last Update : Tue Dec 11 11:52:00 2007
Response via : Initial Calibration
DataAcq Meth : LOOPSIMI

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	4.26	49	603	10.00	ppbv	-0.01
9) 1,4-Difluorobenzene	4.59	114	2299m	10.00	ppbv	0.00
12) Chlorobenzene-d5	5.99	117	2294	10.00	ppbv	-0.02

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
7) cis-1,2-Dichloroethene	4.15	61	43m	0.60	ppbv	
10) Benzene	4.54	78	121m	0.77	ppbv	
11) Trichloroethene	4.76	130	89m	1.03	ppbv	
13) Toluene	5.25	91	1145m	5.50	ppbv	
16) m&p-Xylenes	6.07	91	238	1.58	ppbv	91

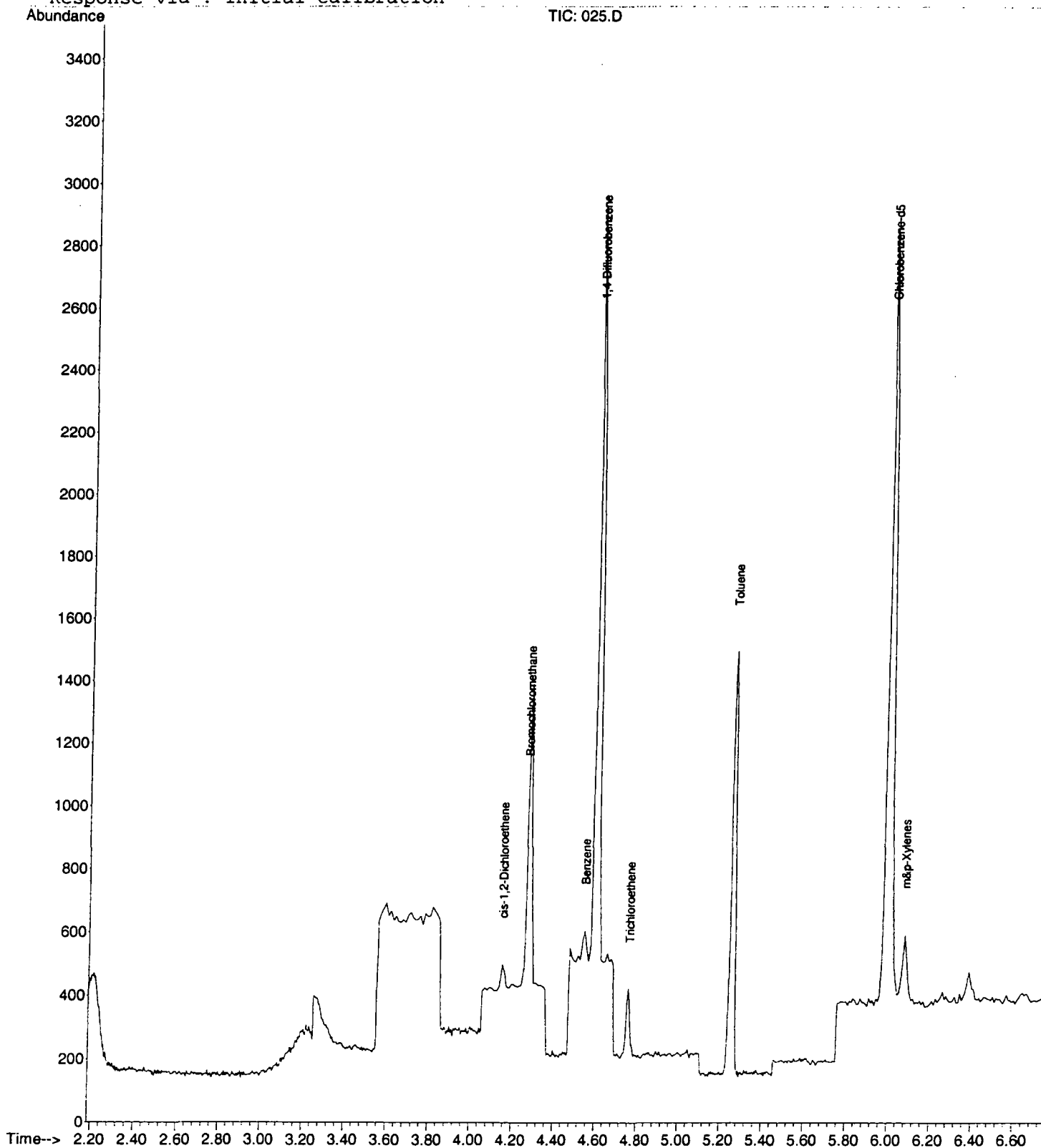
Quantitation Report (QT Reviewed)

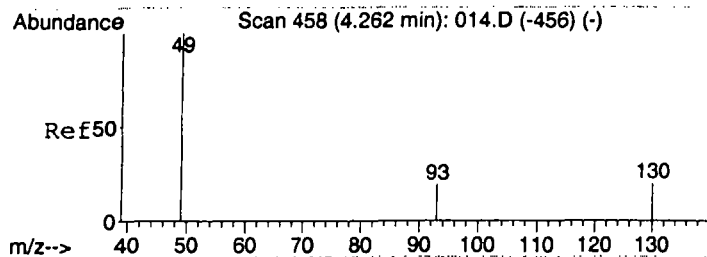
Data File : C:\MSDCHEM\1\DATA\2007\20071211\025.D
 Acq On : 11 Dec 2007 13:43
 Sample : 4442\ Ambient dup
 Misc : 5 mL\11 Dec 2007
 MS Integration Params: rteint.p
 Quant Time: Dec 11 13:54 2007

Vial: 1
 Operator: CWS
 Inst : Instrumen
 Multiplr: 1.00

Quant Results File: LOOP20071211.RES

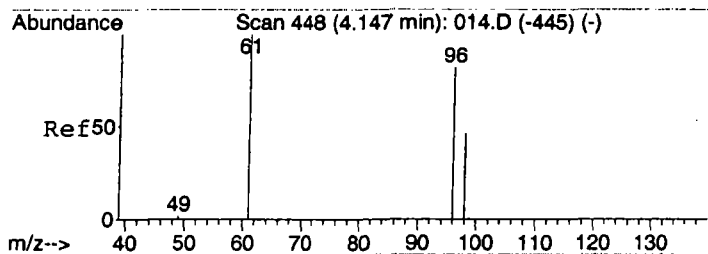
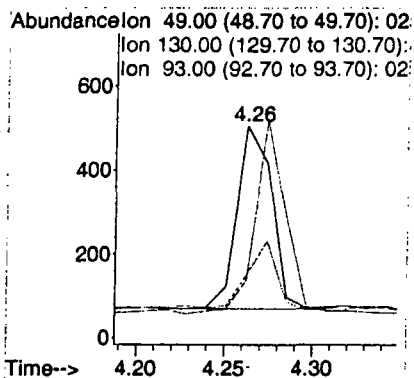
Method : C:\MSDCHEM\1\METHODS\LOOP20071212.M (RTE Integrator)
 Title : VOC
 Last Update : Tue Dec 18 13:43:01 2007
 Response via : Initial Calibration





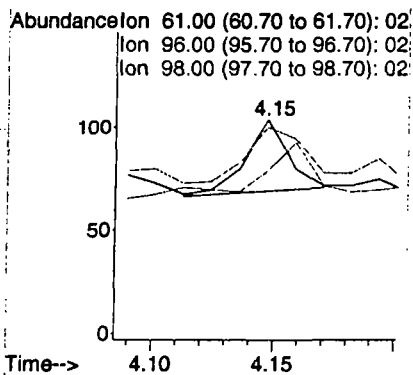
#1
Bromochloromethane
Concen: 10.00 ppbv
RT: 4.26 min Scan# 458
Delta R.T. -0.01 min
Lab File: 025.D
Acq: 11 Dec 2007 13:43

Tgt Ion	Resp	Ion Ratio	Lower	Upper
49	603	100		
130		159.7	105.7	158.5#
93		30.5	24.4	36.6

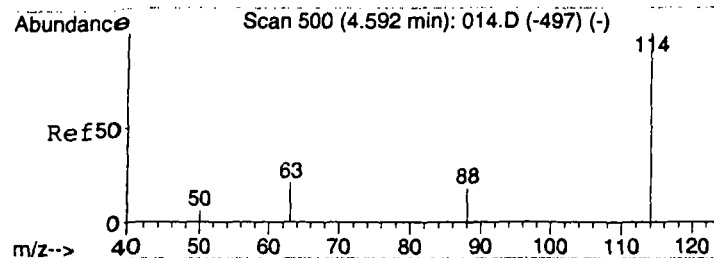


#7
cis-1,2-Dichloroethene
Concen: 0.60 ppbv m
RT: 4.15 min Scan# 448
Delta R.T. 0.00 min
Lab File: 025.D
Acq: 11 Dec 2007 13:43

Tgt Ion	Resp	Ion Ratio	Lower	Upper
61	43	100		
96		209.3	64.8	97.2#
98		0.0	49.8	74.8#

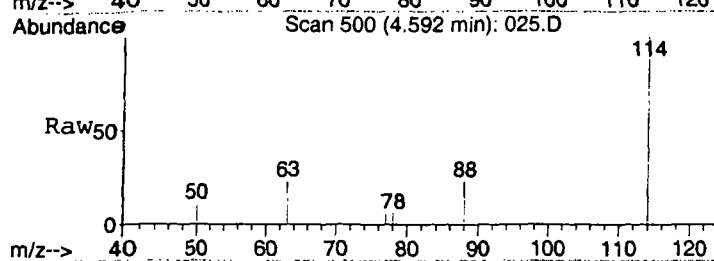


m/z-->



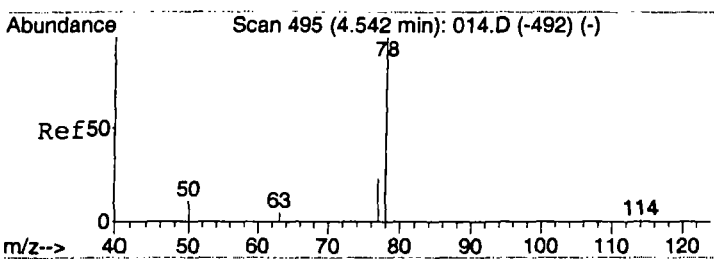
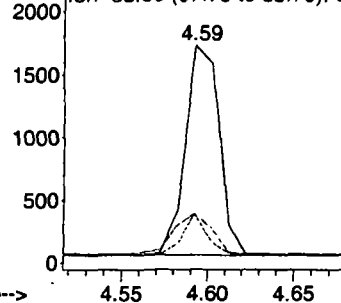
#9
1,4-Difluorobenzene
Concen: 10.00 ppbv m
RT: 4.59 min Scan# 500
Delta R.T. -0.01 min
Lab File: 025.D
Acq: 11 Dec 2007 13:43

Tgt Ion: 114 Resp: 2299
Ion Ratio Lower Upper
114 100
63 42.0 15.4 23.2#
88 19.7 11.8 17.6#



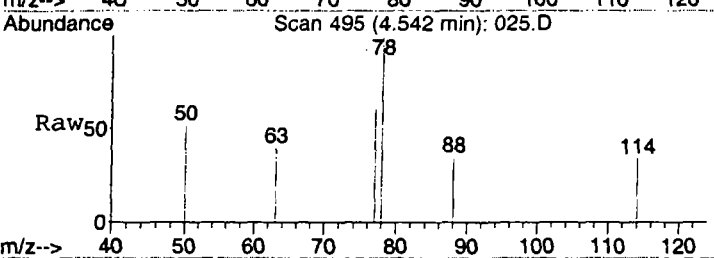
Abundance

Ion 114.00 (113.70 to 114.70): 02
Ion 63.00 (62.70 to 63.70): 02
Ion 88.00 (87.70 to 88.70): 02



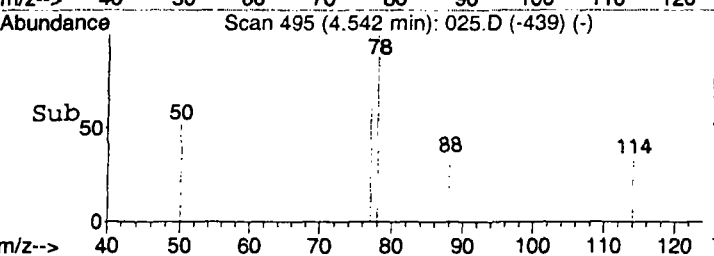
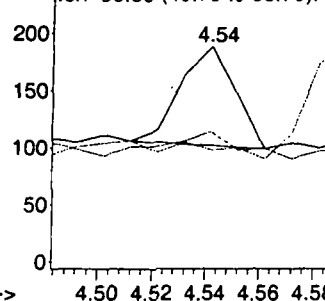
#10
Benzene
Concen: 0.77 ppbv m
RT: 4.54 min Scan# 495
Delta R.T. -0.01 min
Lab File: 025.D
Acq: 11 Dec 2007 13:43

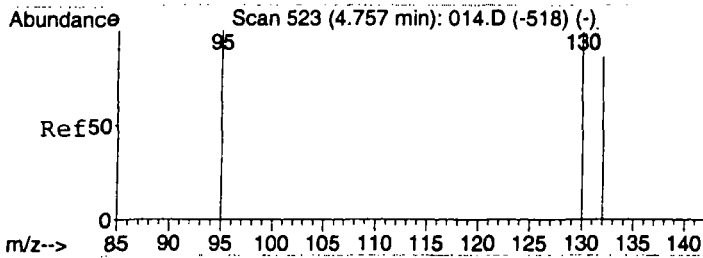
Tgt Ion: 78 Resp: 121
Ion Ratio Lower Upper
78 100
77 0.0 20.5 30.7#
50 257.9 15.9 23.9#



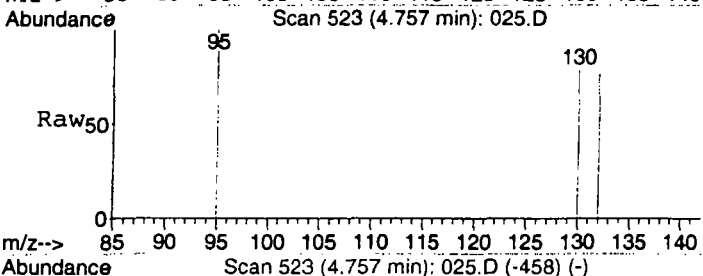
Abundance

Ion 78.00 (77.70 to 78.70): 02
Ion 77.00 (76.70 to 77.70): 02
Ion 50.00 (49.70 to 50.70): 02

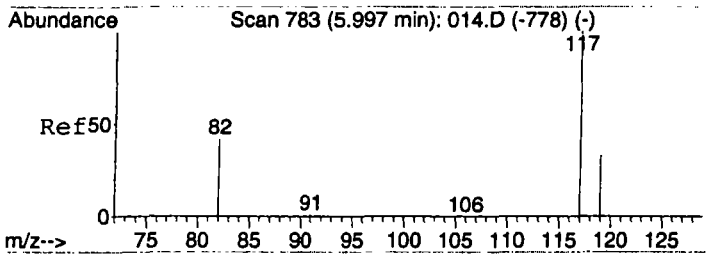
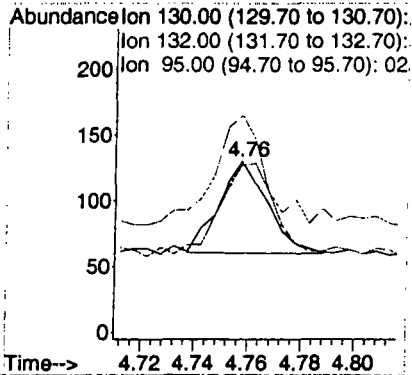
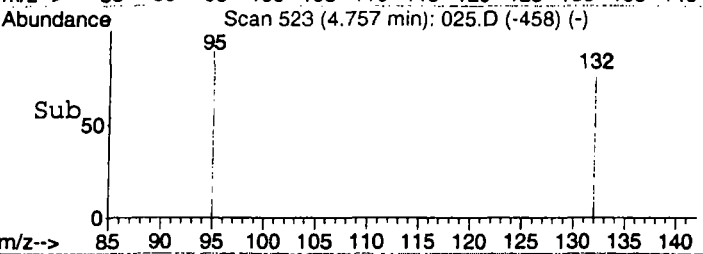




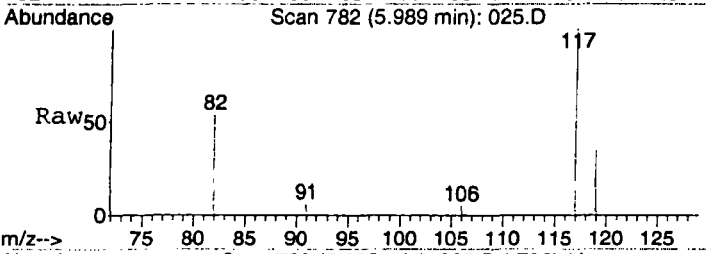
#11
 Trichloroethene
 Concen: 1.03 ppbv m
 RT: 4.76 min Scan# 523
 Delta R.T. -0.01 min
 Lab File: 025.D
 Acq: 11 Dec 2007 13:43



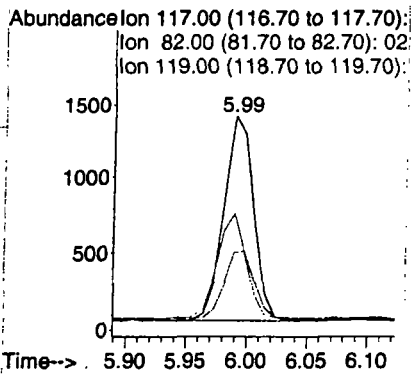
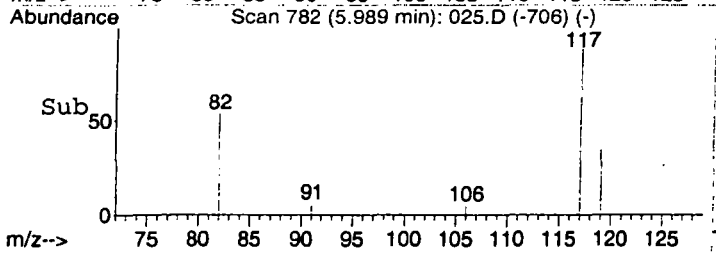
Tgt Ion:130 Resp: 89
 Ion Ratio Lower Upper
 130 100
 132 93.3 74.7 112.1
 95 282.0 75.2 112.8#

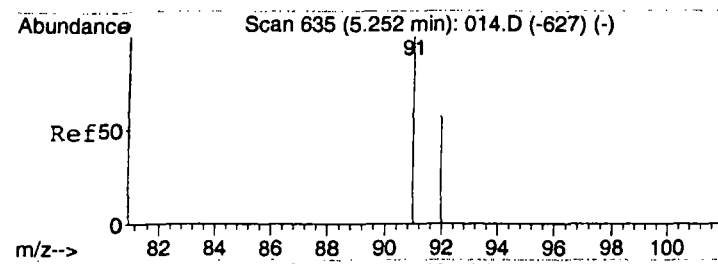


#12
 Chlorobenzene-d5
 Concen: 10.00 ppbv
 RT: 5.99 min Scan# 782
 Delta R.T. -0.02 min
 Lab File: 025.D
 Acq: 11 Dec 2007 13:43



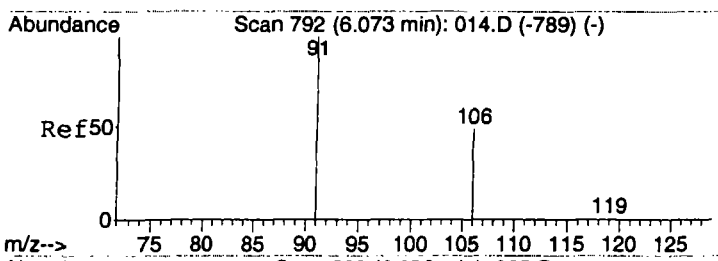
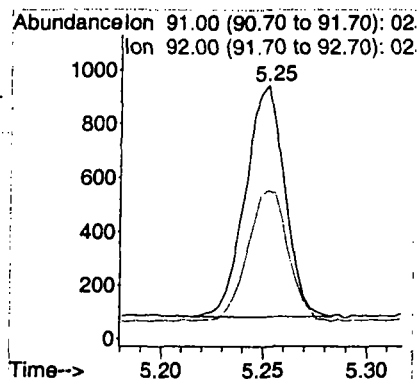
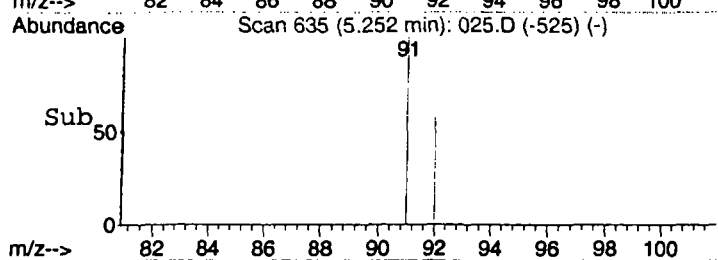
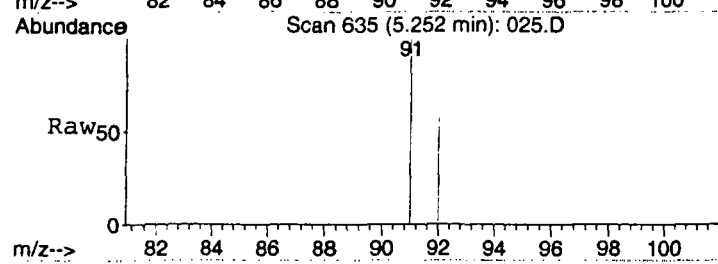
Tgt Ion:117 Resp: 2294
 Ion Ratio Lower Upper
 117 100
 82 49.8 41.0 61.6
 119 33.3 25.5 38.3





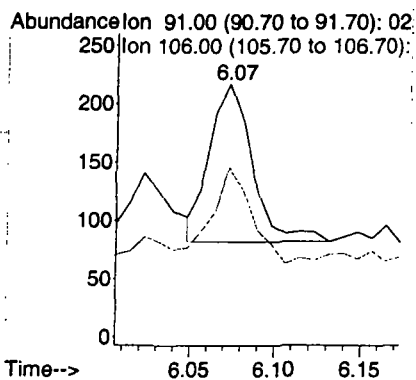
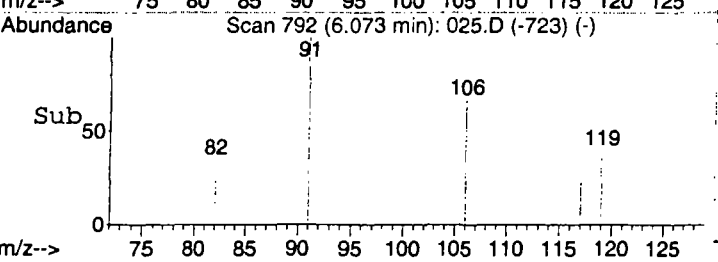
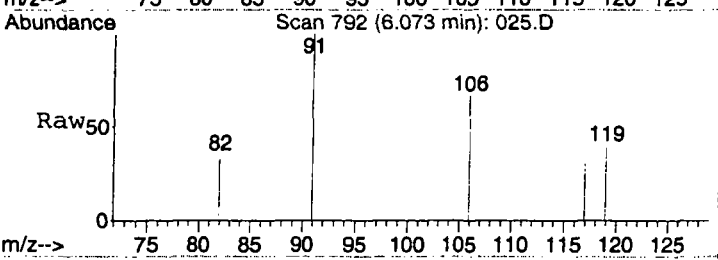
#13
Toluene
Concen: 5.50 ppbv m
RT: 5.25 min Scan# 635
Delta R.T. -0.02 min
Lab File: 025.D
Acq: 11 Dec 2007 13:43

Tgt Ion: 91 Resp: 1145
Ion Ratio Lower Upper
91 100
92 58.2 46.9 70.3



#16
m&p-Xylenes
Concen: 1.58 ppbv
RT: 6.07 min Scan# 792
Delta R.T. -0.02 min
Lab File: 025.D
Acq: 11 Dec 2007 13:43

Tgt Ion: 91 Resp: 238
Ion Ratio Lower Upper
91 100
106 51.7 36.4 54.6



Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\2007\20071211\026.D Vial: 1
Acq On : 11 Dec 2007 13:57 Operator: CWS
Sample : 4443\ MGSS46 Inst : Instrumen
Misc : 5 mL\11 Dec 2007 Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Dec 11 14:04:35 2007 Quant Results File: LOOP20071211.RES

Quant Method : C:\MSDCHEM\1...\LOOP20071211.M (RTE Integrator)
Title : VOC
Last Update : Tue Dec 11 11:52:00 2007
Response via : Initial Calibration
DataAcq Meth : LOOPSIMI

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	4.26	49	554m	10.00	ppbv	-0.01
9) 1,4-Difluorobenzene	4.59	114	2418	10.00	ppbv	0.00
12) Chlorobenzene-d5	5.99	117	2370	10.00	ppbv	-0.03
Target Compounds						Qvalue
13) Toluene	5.25	91	973	4.52	ppbv	97

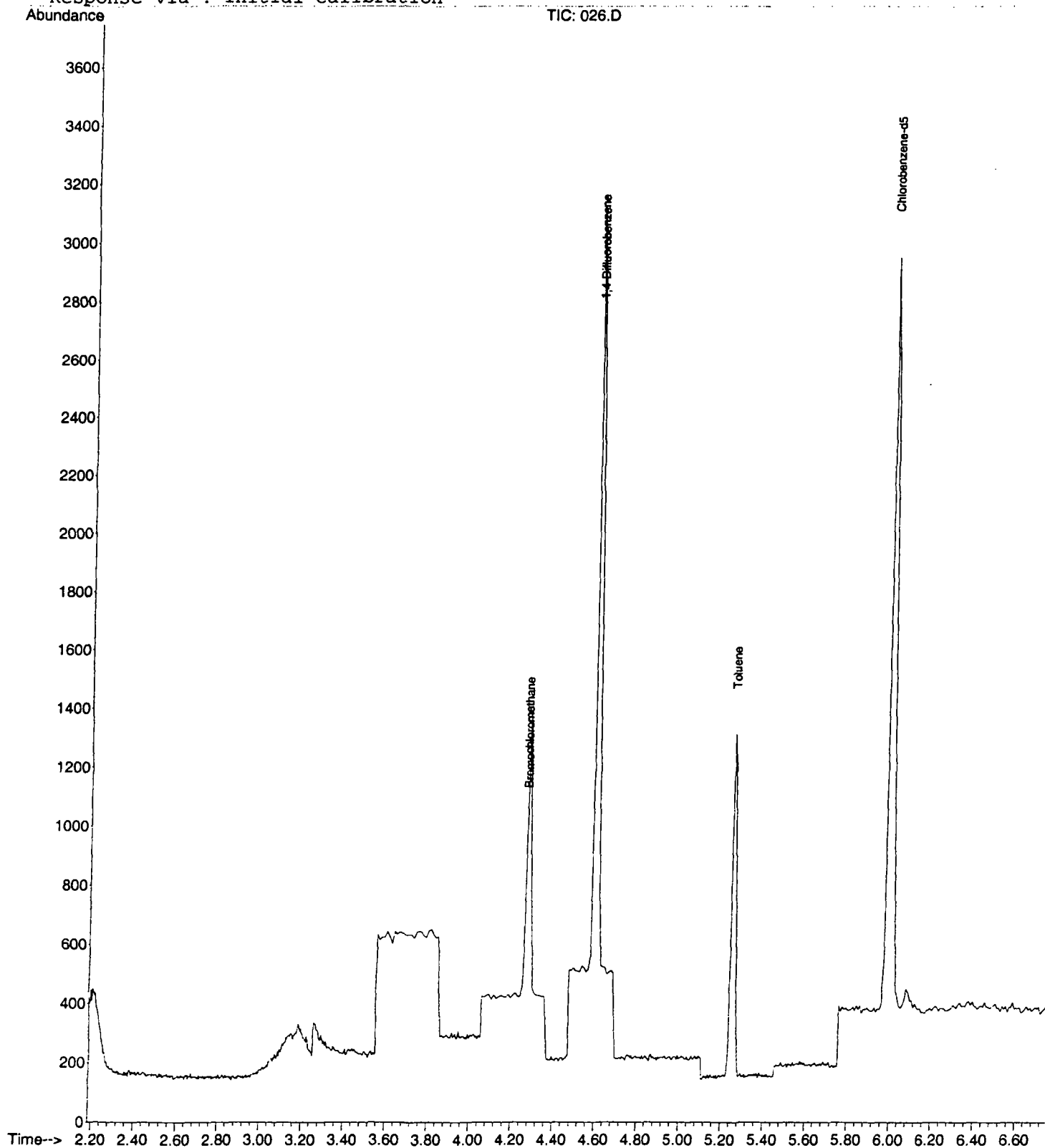
Quantitation Report (QT Reviewed)

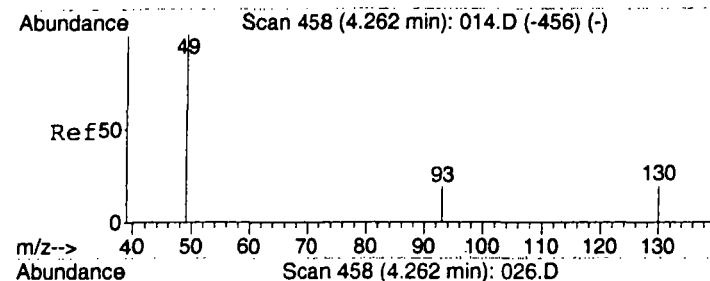
Data File : C:\MSDCHEM\1\DATA\2007\20071211\026.D
 Acq On : 11 Dec 2007 13:57
 Sample : 4443\ MGSS46
 Misc : 5 mL\11 Dec 2007
 MS Integration Params: rteint.p
 Quant Time: Dec 11 14:06 2007

Vial: 1
 Operator: CWS
 Inst : Instrumen
 Multiplr: 1.00

Quant Results File: LOOP20071211.RES

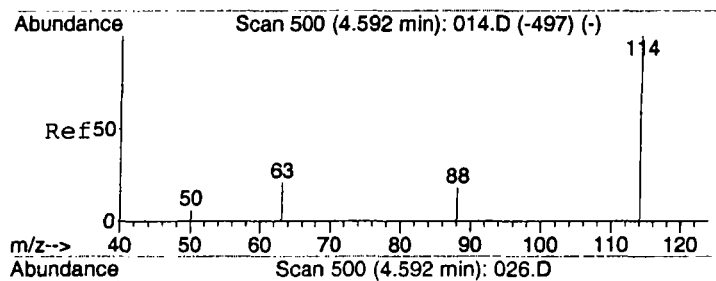
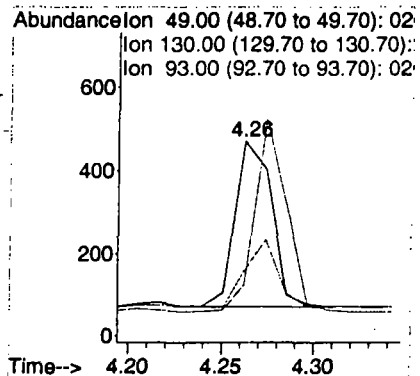
Method : C:\MSDCHEM\1\METHODS\LOOP20071212.M (RTE Integrator)
 Title : VOC
 Last Update : Tue Dec 18 13:43:01 2007
 Response via : Initial Calibration





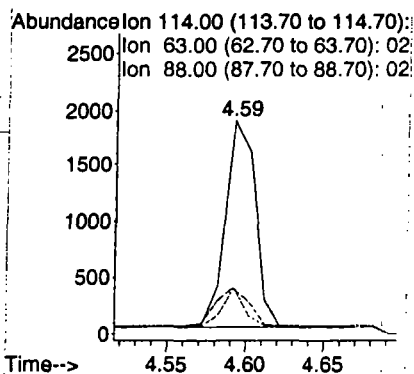
#1
Bromochloromethane
Concen: 10.00 ppbv m
RT: 4.26 min Scan# 458
Delta R.T. -0.01 min
Lab File: 026.D
Acq: 11 Dec 2007 13:57

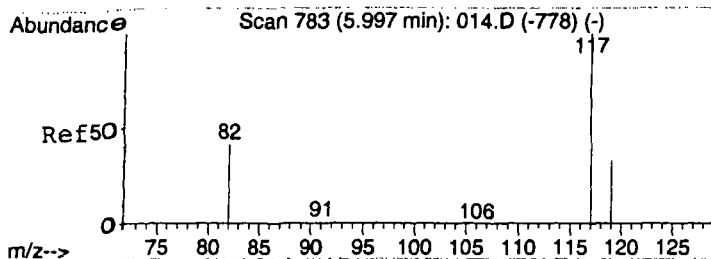
Tgt Ion: 49 Resp: 554
Ion Ratio Lower Upper
49 100
130 174.4 105.7 158.5#
93 35.6 24.4 36.6



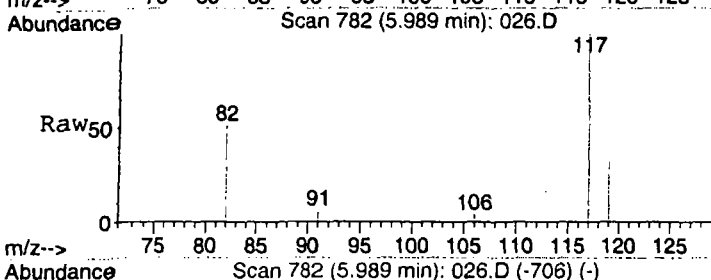
#9
1,4-Difluorobenzene
Concen: 10.00 ppbv
RT: 4.59 min Scan# 500
Delta R.T. -0.01 min
Lab File: 026.D
Acq: 11 Dec 2007 13:57

Tgt Ion: 114 Resp: 2418
Ion Ratio Lower Upper
114 100
63 20.2 15.4 23.2
88 20.3 11.8 17.6#

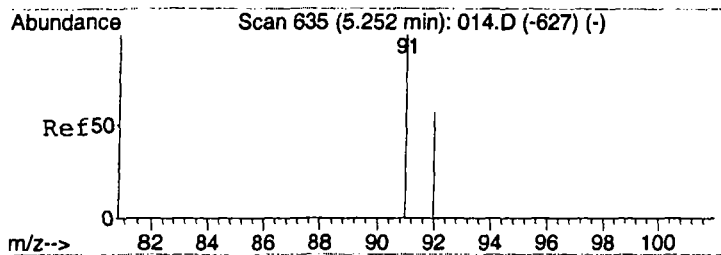
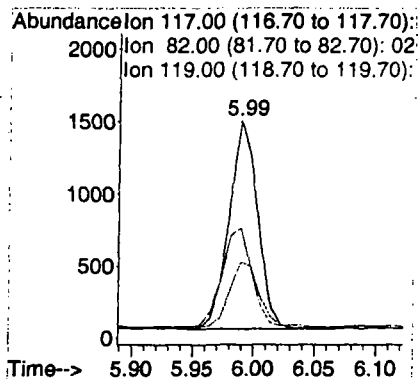
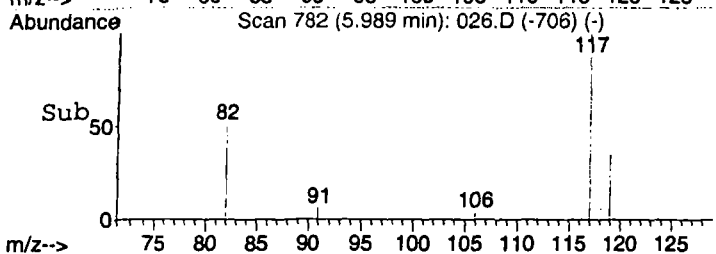




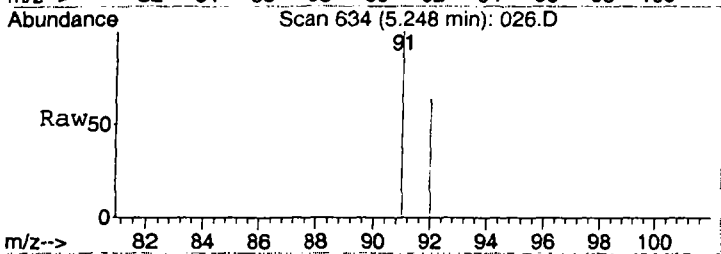
#12
Chlorobenzene-d5
Concen: 10.00 ppbv
RT: 5.99 min Scan# 782
Delta R.T. -0.03 min
Lab File: 026.D
Acq: 11 Dec 2007 13:57



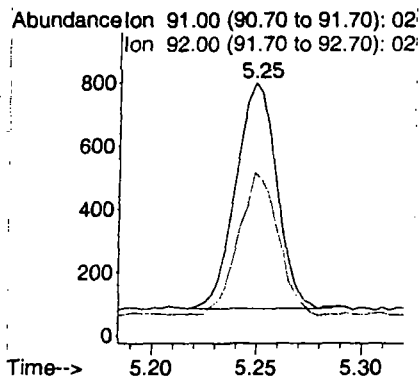
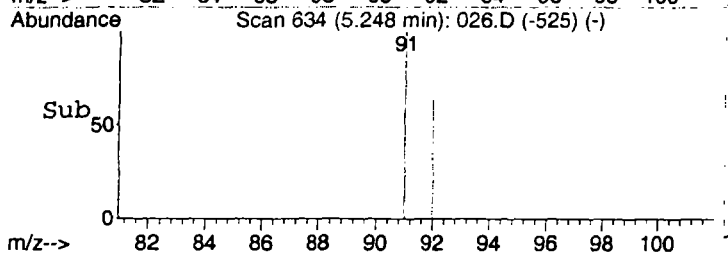
Tgt Ion: 117 Resp: 2370
Ion Ratio Lower Upper
117 100
82 50.7 41.0 61.6
119 32.4 25.5 38.3



#13
Toluene
Concen: 4.52 ppbv
RT: 5.25 min Scan# 634
Delta R.T. -0.02 min
Lab File: 026.D
Acq: 11 Dec 2007 13:57



Tgt Ion: 91 Resp: 973
Ion Ratio Lower Upper
91 100
92 61.0 46.9 70.3



Data File : C:\MSDCHEM\1\DATA\2007\20071211\027.D Vial: 1
Acq On : 11 Dec 2007 14:09 Operator: CWS
Sample : 4444\ MGSS47 Inst : Instrumen
Misc : 5 mL\11 Dec 2007 Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Dec 11 14:17:55 2007 Quant Results File: LOOP20071211.RES

Quant Method : C:\MSDCHEM\1...\LOOP20071211.M (RTE Integrator)
Title : VOC
Last Update : Tue Dec 11 11:52:00 2007
Response via : Initial Calibration
DataAcq Meth : LOOPSIMI

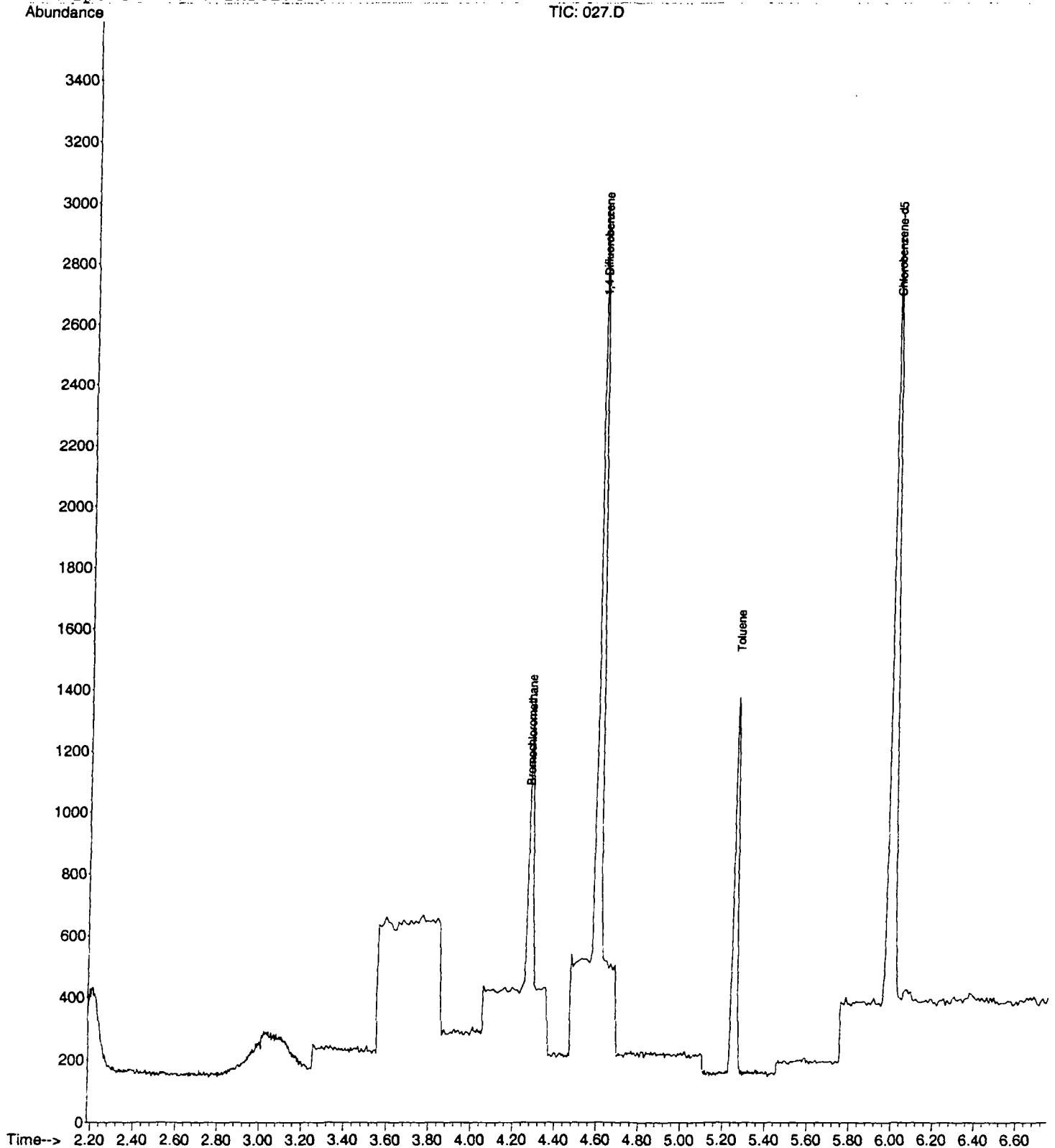
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	4.26	49	563	10.00	ppbv	-0.01
9) 1,4-Difluorobenzene	4.59	114	2386m	10.00	ppbv	0.00
12) Chlorobenzene-d5	5.99	117	2354	10.00	ppbv	-0.03
Target Compounds						Qvalue
13) Toluene	5.25	91	1034	4.84	ppbv	96

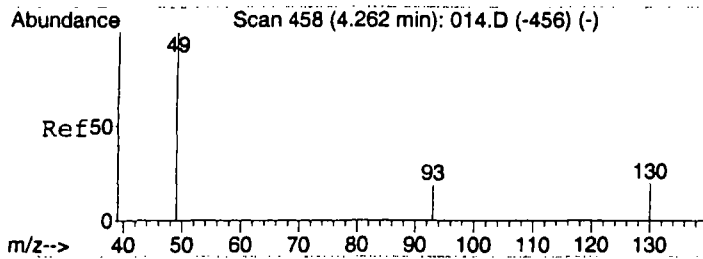
Data File : C:\MSDCHEM\1\DATA\2007\20071211\027.D
Acq On : 11 Dec 2007 14:09
Sample : 4444\ MGSS47
Misc : 5 mL\11 Dec 2007
MS Integration Params: rteint.p
Quant Time: Dec 11 14:19 2007

Vial: 1
Operator: CWS
Inst : Instrumen
Multiplr: 1.00

Quant Results File: LOOP20071211.RES

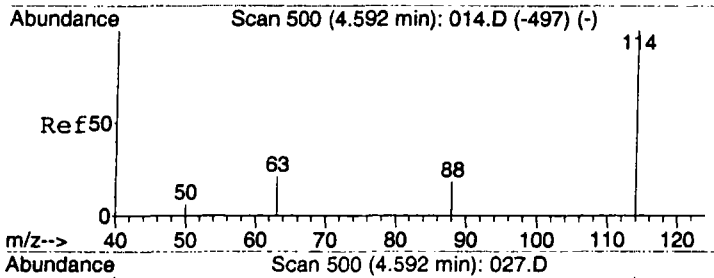
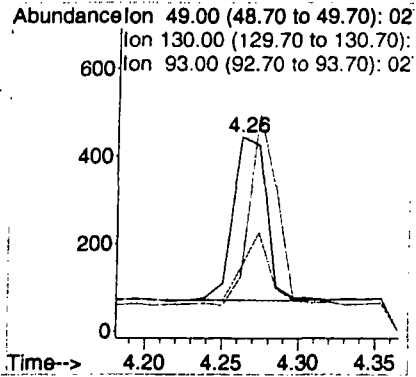
Method : C:\MSDCHEM\1\METHODS\LOOP20071212.M (RTE Integrator)
Title : VOC
Last Update : Tue Dec 18 13:43:01 2007
Response via : Initial Calibration





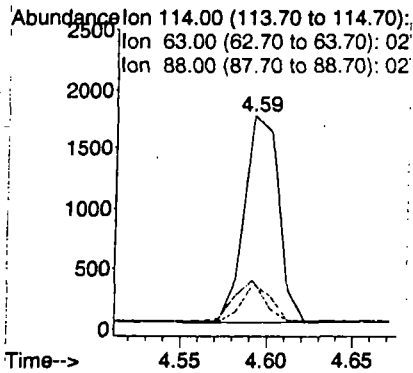
#1
Bromochloromethane
Concen: 10.00 ppbv
RT: 4.26 min Scan# 458
Delta R.T. -0.01 min
Lab File: 027.D
Acq: 11 Dec 2007 14:09

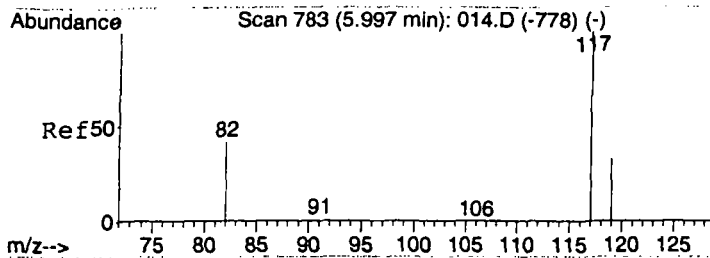
Tgt Ion	Ratio	Lower	Upper
49	100		
130	170.7	105.7	158.5#
93	32.7	24.4	36.6



#9
1,4-Difluorobenzene
Concen: 10.00 ppbv m
RT: 4.59 min Scan# 500
Delta R.T. -0.01 min
Lab File: 027.D
Acq: 11 Dec 2007 14:09

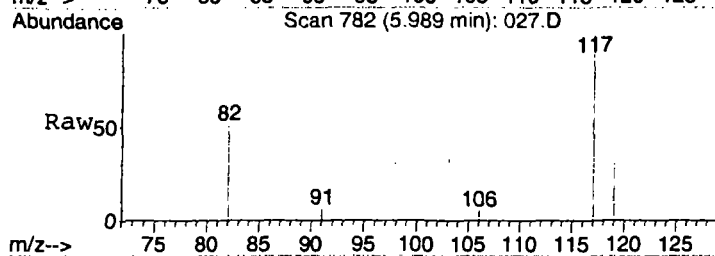
Tgt Ion	Ratio	Lower	Upper
114	100		
63	20.9	15.4	23.2
88	36.0	11.8	17.6#



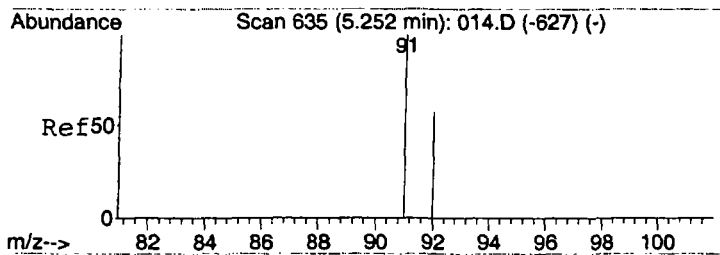
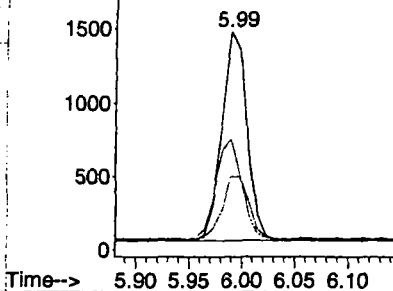
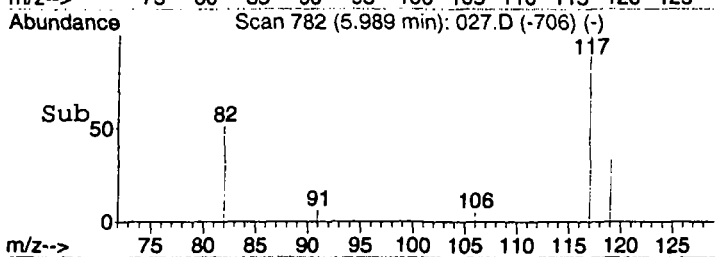


#12
Chlorobenzene-d5
Concen: 10.00 ppbv
RT: 5.99 min Scan# 782
Delta R.T. -0.03 min
Lab File: 027.D
Acq: 11 Dec 2007 14:09

Tgt Ion: 117 Resp: 2354
Ion Ratio Lower Upper
117 100
82 49.7 41.0 61.6
119 32.1 25.5 38.3

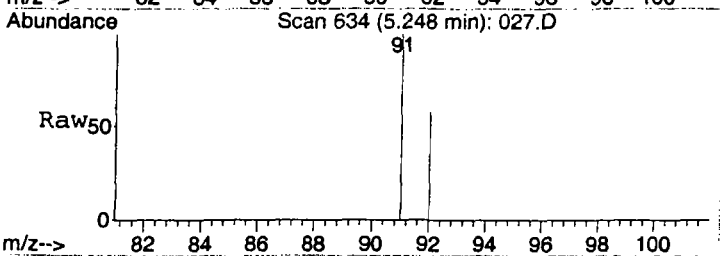


Abundance Ion 117.00 (116.70 to 117.70):
2000 Ion 82.00 (81.70 to 82.70): 02
Ion 119.00 (118.70 to 119.70):

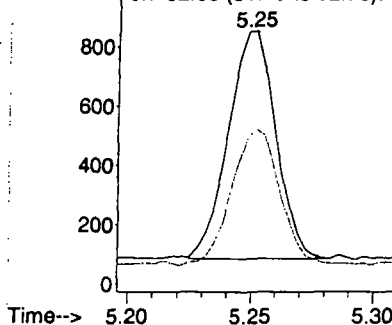
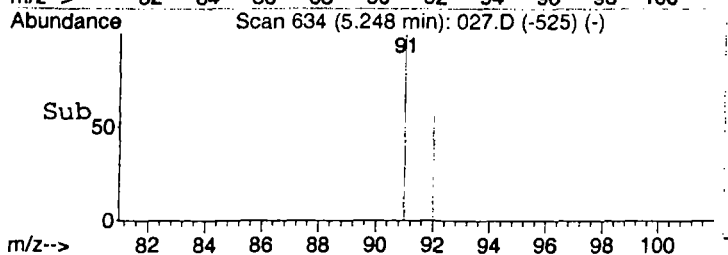


#13
Toluene
Concen: 4.84 ppbv
RT: 5.25 min Scan# 634
Delta R.T. -0.02 min
Lab File: 027.D
Acq: 11 Dec 2007 14:09

Tgt Ion: 91 Resp: 1034
Ion Ratio Lower Upper
91 100
92 61.4 46.9 70.3



Abundance Ion 91.00 (90.70 to 91.70): 02
Ion 92.00 (91.70 to 92.70): 02



Data File : C:\MSDCHEM\1\DATA\2007\20071211\028.D Vial: 1
Acq On : 11 Dec 2007 14:25 Operator: CWS
Sample : 4445\ MGSS31 Inst : Instrumen
Misc : 5 mL\11 Dec 2007 Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Dec 11 14:32:19 2007 Quant Results File: LOOP20071211.RES

Quant Method : C:\MSDCHEM\1...\LOOP20071211.M (RTE Integrator)

Title : VOC
Last Update : Tue Dec 11 11:52:00 2007
Response via : Initial Calibration
DataAcq Meth : LOOPSIMI

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	4.27	49	593m	10.00	ppbv	0.00
9) 1,4-Difluorobenzene	4.60	114	2453m	10.00	ppbv	0.00
12) Chlorobenzene-d5	6.00	117	2330	10.00	ppbv	-0.02

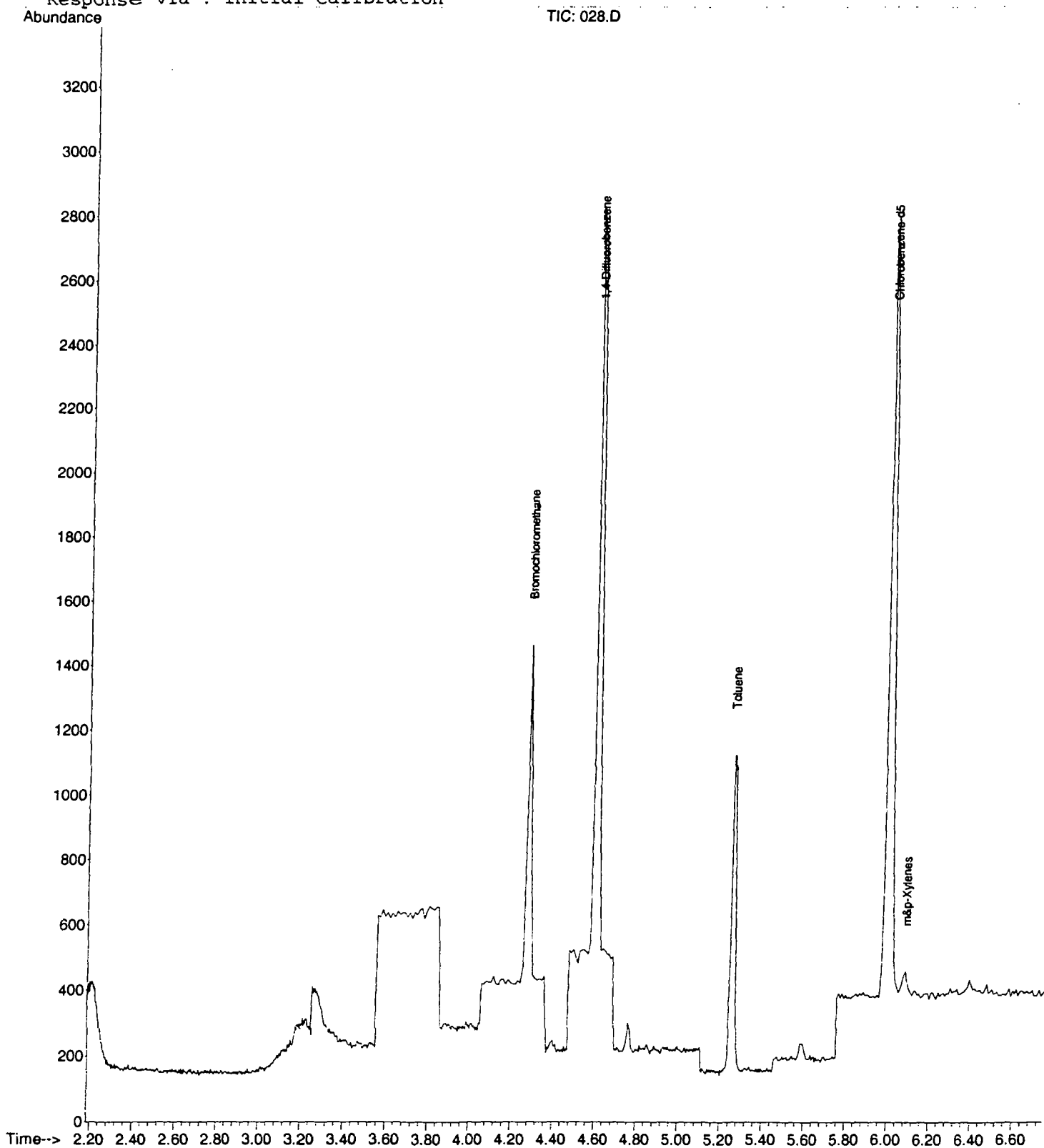
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
13) Toluene	5.25	91	851	4.03	ppbv	100
16) m&p-Xylenes	6.08	91	124	0.81	ppbv	92

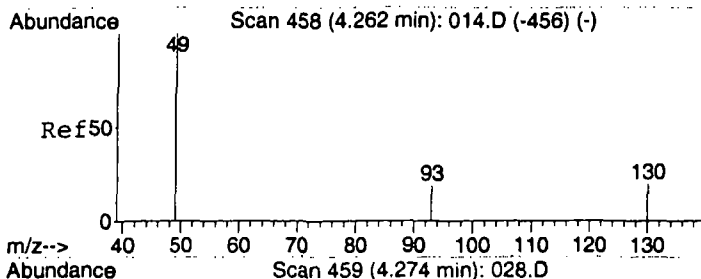
Data File : C:\MSDCHEM\1\DATA\2007\20071211\028.D
Acq On : 11 Dec 2007 14:25
Sample : 4445\ MGSS31
Misc : 5 mL\11 Dec 2007
MS Integration Params: rteint.p
Quant Time: Dec 11 14:34 2007

Vial: 1
Operator: CWS
Inst : Instrumen
Multiplr: 1.00

Quant Results File: LOOP20071211.RES

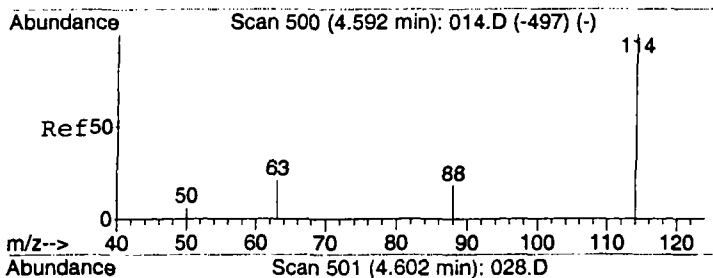
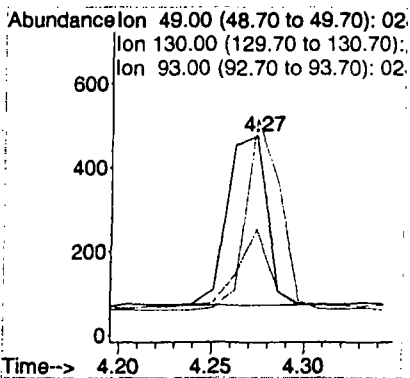
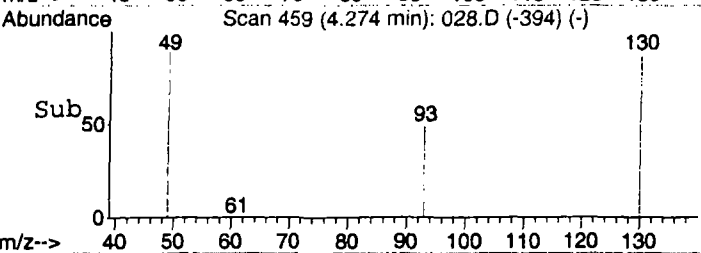
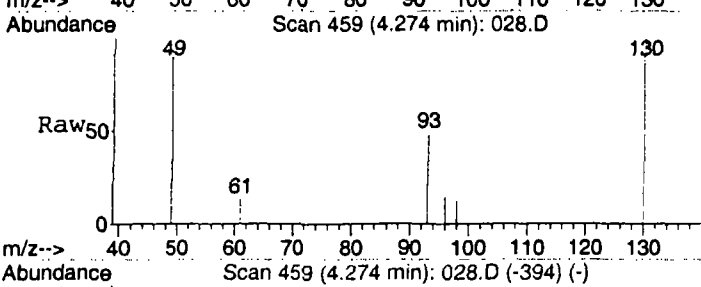
Method : C:\MSDCHEM\1\METHODS\LOOP20071212.M (RTE Integrator)
Title : VOC
Last Update : Tue Dec 18 13:43:01 2007
Response via : Initial Calibration





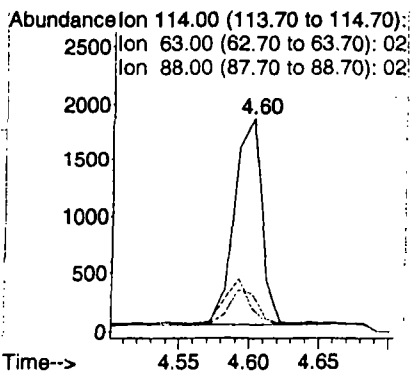
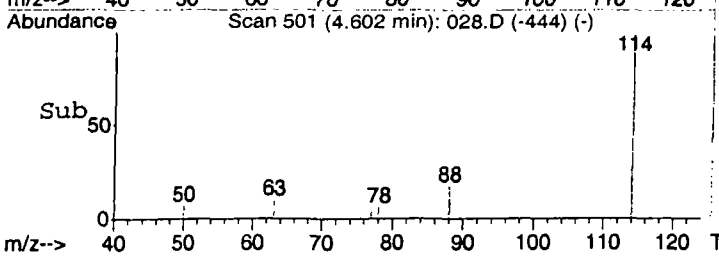
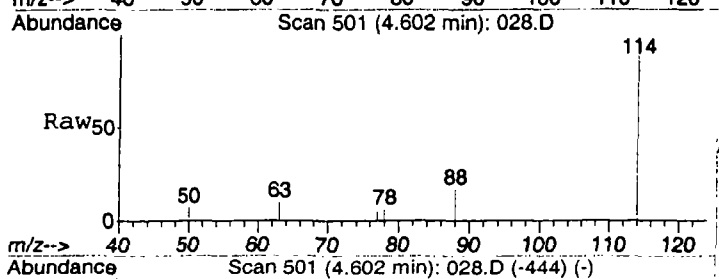
#1
 Bromochloromethane
 Concen: 10.00 ppbv m
 RT: 4.27 min Scan# 459
 Delta R.T. -0.00 min
 Lab File: 028.D
 Acq: 11 Dec 2007 14:25

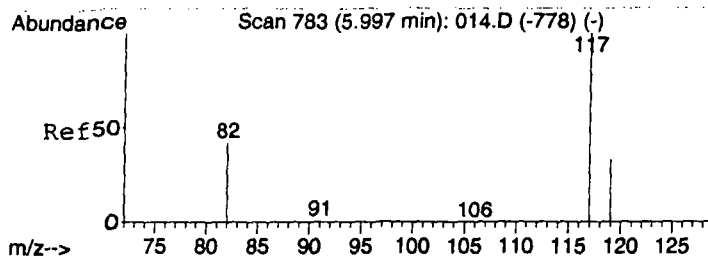
Tgt Ion: 49 Resp: 593
 Ion Ratio Lower Upper
 49 100
 130 160.9 105.7 158.5#
 93 38.1 24.4 36.6#



#9
 1,4-Difluorobenzene
 Concen: 10.00 ppbv m
 RT: 4.60 min Scan# 501
 Delta R.T. 0.00 min
 Lab File: 028.D
 Acq: 11 Dec 2007 14:25

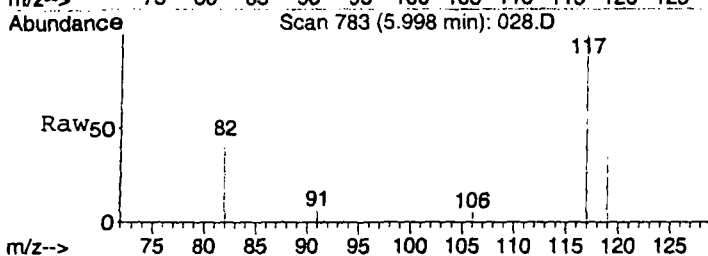
Tgt Ion: 114 Resp: 2453
 Ion Ratio Lower Upper
 114 100
 63 20.0 15.4 23.2
 88 34.4 11.8 17.6#





#12
Chlorobenzene-d5
Concen: 10.00 ppbv
RT: 6.00 min Scan# 783
Delta R.T. -0.02 min
Lab File: 028.D
Acq: 11 Dec 2007 14:25

Tgt Ion: 117 Resp: 2330
Ion Ratio Lower Upper
117 100
82 50.8 41.0 61.6
119 33.3 25.5 38.3

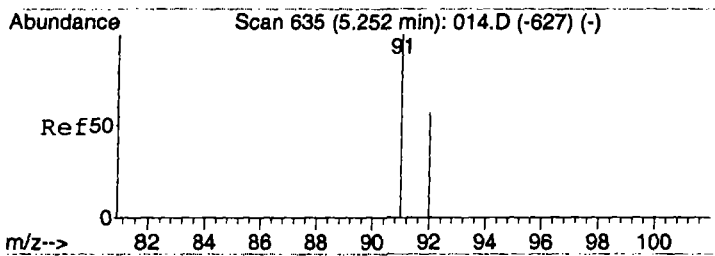
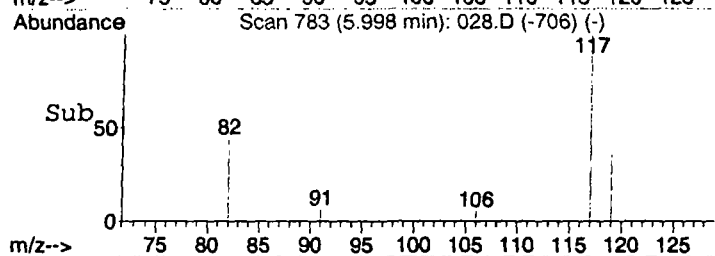
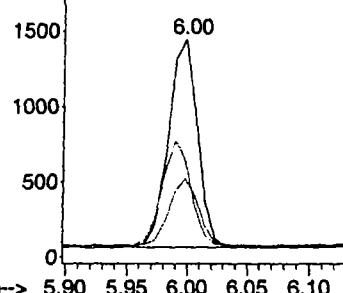


Abundance

Ion 117.00 (116.70 to 117.70):

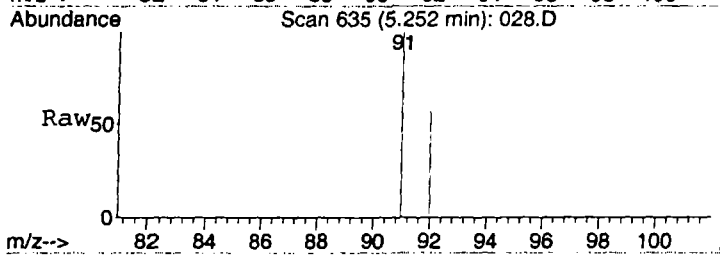
Ion 82.00 (81.70 to 82.70): 02

Ion 119.00 (118.70 to 119.70):



#13
Toluene
Concen: 4.03 ppbv
RT: 5.25 min Scan# 635
Delta R.T. -0.02 min
Lab File: 028.D
Acq: 11 Dec 2007 14:25

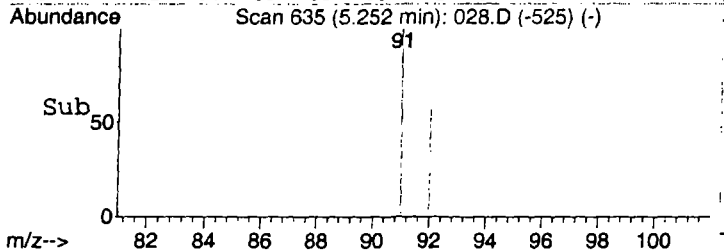
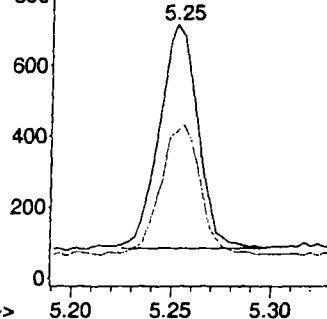
Tgt Ion: 91 Resp: 851
Ion Ratio Lower Upper
91 100
92 58.9 46.9 70.3

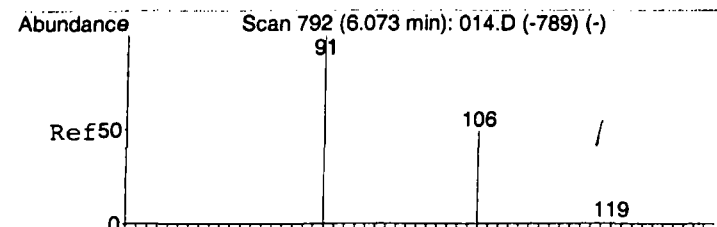


Abundance

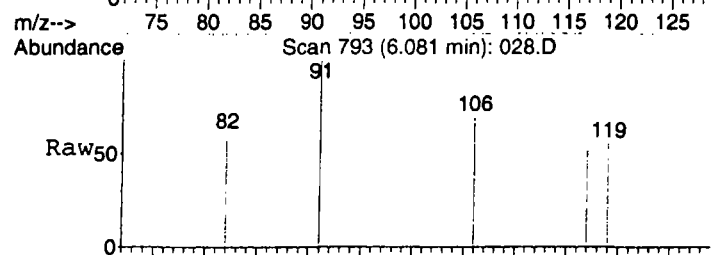
Ion 91.00 (90.70 to 91.70): 02

Ion 92.00 (91.70 to 92.70): 02

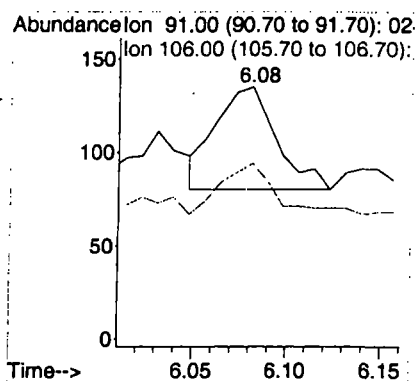
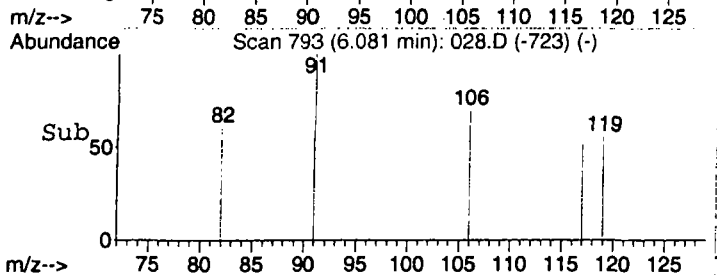




#16
 m&p-Xylenes
 Concen: 0.81 ppbv
 RT: 6.08 min Scan# 793
 Delta R.T. -0.02 min
 Lab File: 028.D
 Acq: 11 Dec 2007 14:25



Tgt Ion: 91 Resp: 124
 Ion Ratio Lower Upper
 91 100
 106 40.3 36.4 54.6



Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\2007\20071211\029.D

Vial: 1

Acq On : 11 Dec 2007 14:36

Operator: CWS

Sample : 4446\ MGSS29

Inst : Instrumen

Misc : 5 mL\11 Dec 2007

Multiplr: 1.00

MS Integration Params: rteint.p

Quant Time: Dec 11 14:43:15 2007

Quant Results File: LOOP20071211.RES

Quant Method : C:\MSDCHEM\1...\LOOP20071211.M (RTE Integrator)

Title : VOC

Last Update : Tue Dec 11 11:52:00 2007

Response via : Initial Calibration

DataAcq Meth : LOOPSIMI

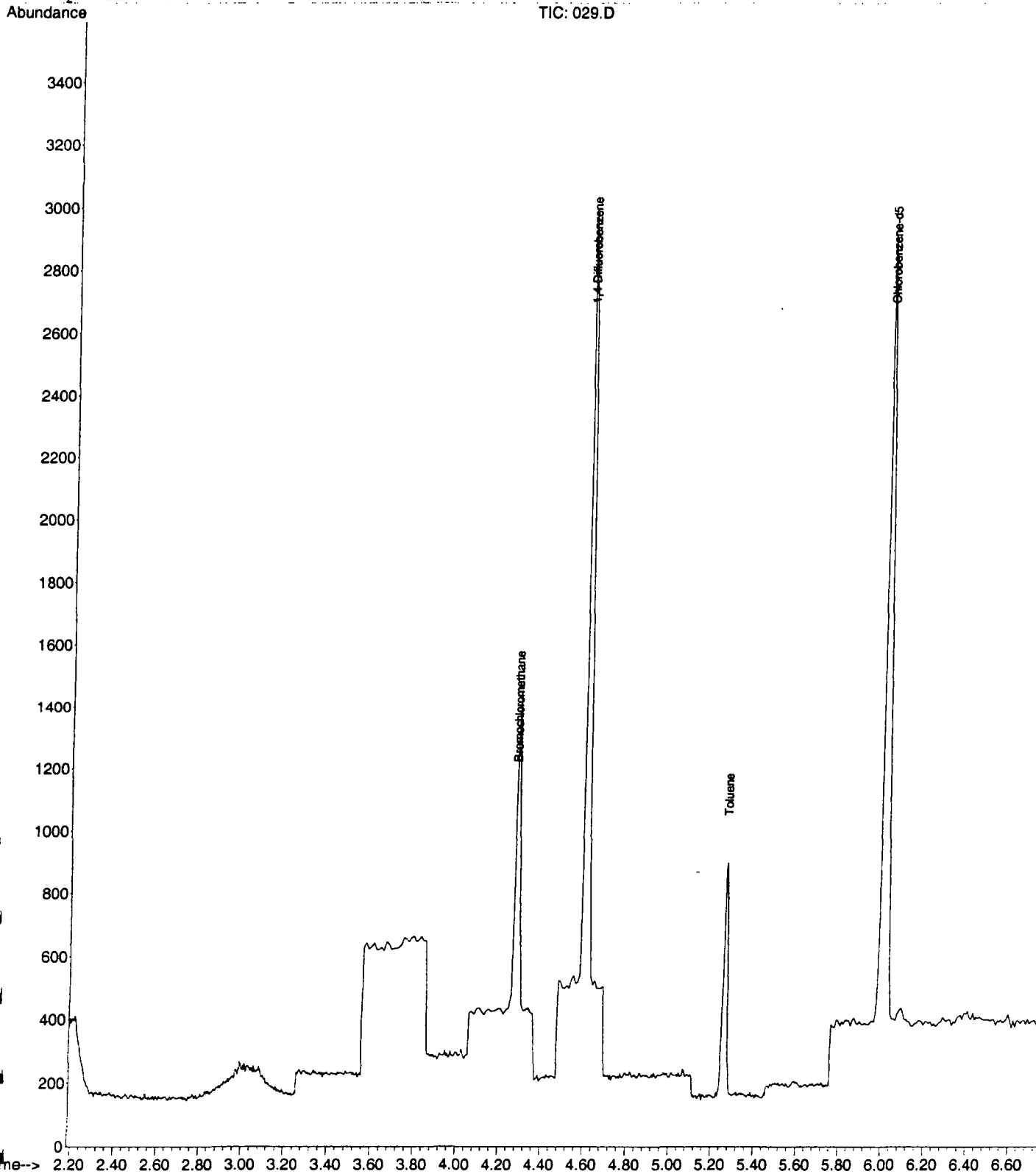
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	4.26	49	616	10.00	ppbv	-0.01
9) 1,4-Difluorobenzene	4.60	114	2461m	10.00	ppbv	0.00
12) Chlorobenzene-d5	6.00	117	2386	10.00	ppbv	-0.02
Target Compounds						Qvalue
13) Toluene	5.26	91	649	3.00	ppbv	97

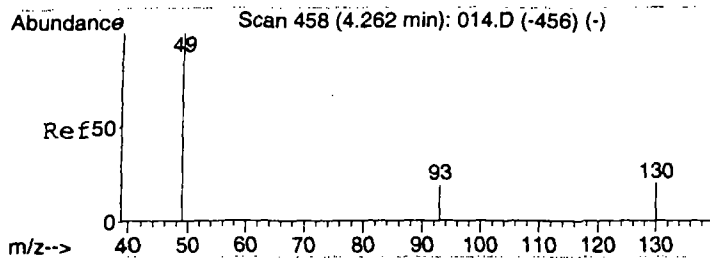
Data File : C:\MSDCHEM\1\DATA\2007\20071211\029.D
Acq On : 11 Dec 2007 14:36
Sample : 4446\ MGSS29
Misc : 5 mL\11 Dec 2007
MS Integration Params: rteint.p
Quant Time: Dec 11 14:47 2007

Vial: 1
Operator: CWS
Inst : Instrumen
Multiplr: 1.00

Quant Results File: LOOP20071211.RES

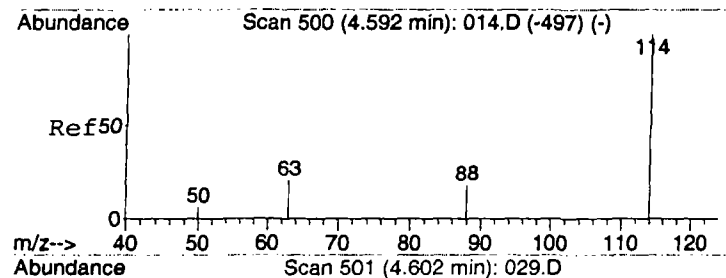
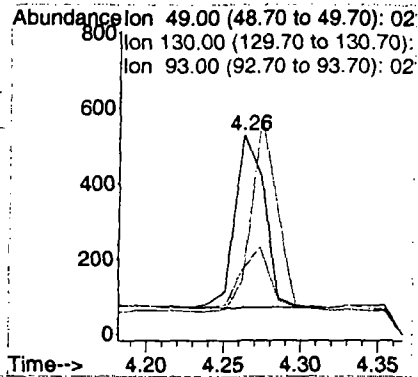
Method : C:\MSDCHEM\1\METHODS\LOOP20071212.M (RTE Integrator)
Title : VOC
Last Update : Tue Dec 18 13:43:01 2007
Response via : Initial Calibration





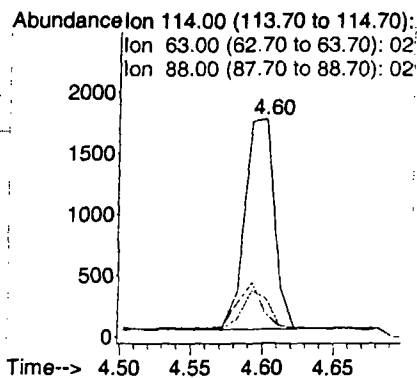
#1
Bromochloromethane
Concen: 10.00 ppbv
RT: 4.26 min Scan# 458
Delta R.T. -0.01 min
Lab File: 029.D
Acq: 11 Dec 2007 14:36

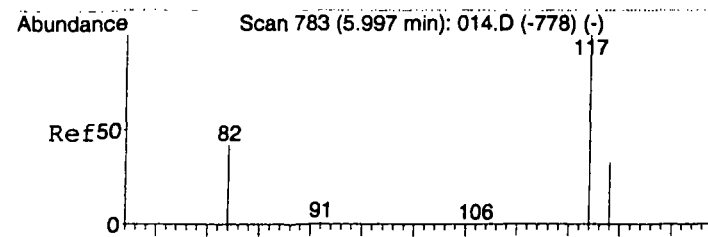
Tgt Ion: 49 Resp: 616
Ion Ratio Lower Upper
49 100
130 159.3 105.7 158.5#
93 33.8 24.4 36.6



#9
1,4-Difluorobenzene
Concen: 10.00 ppbv m
RT: 4.60 min Scan# 501
Delta R.T. 0.00 min
Lab File: 029.D
Acq: 11 Dec 2007 14:36

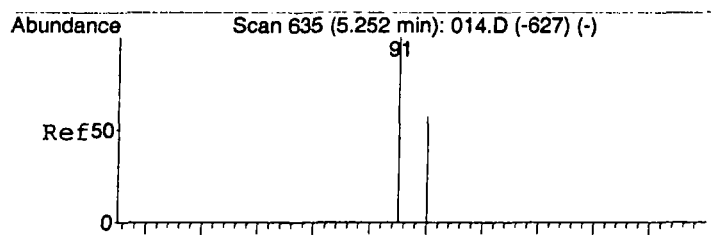
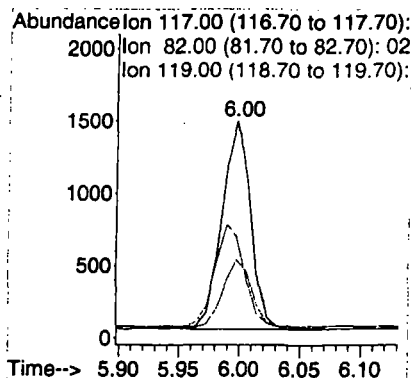
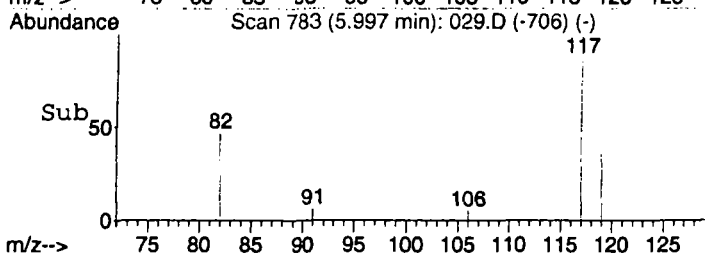
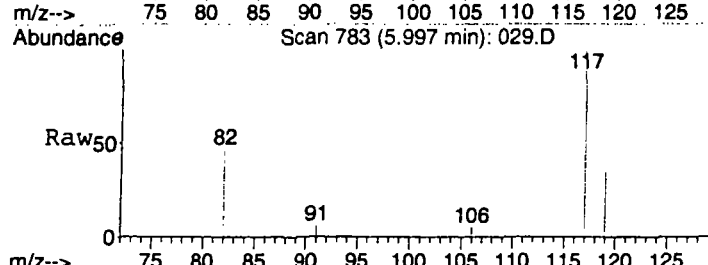
Tgt Ion: 114 Resp: 2461
Ion Ratio Lower Upper
114 100
63 17.7 15.4 23.2
88 16.7 11.8 17.6





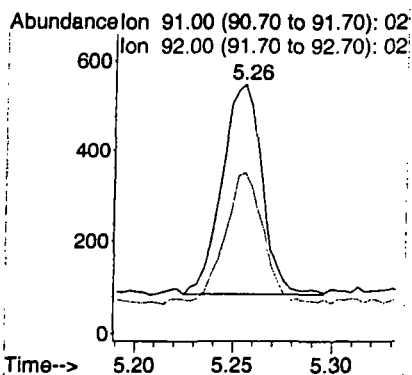
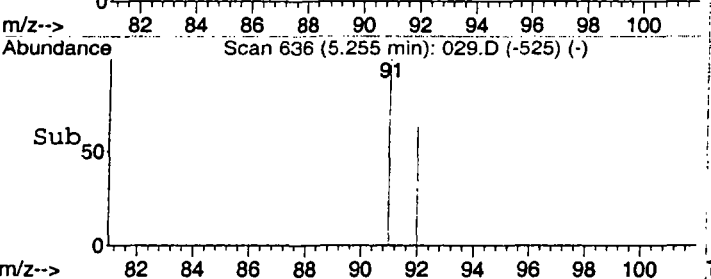
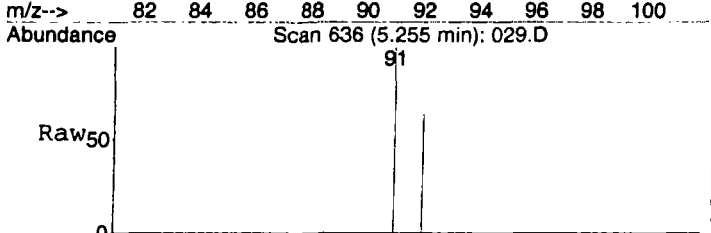
#12
Chlorobenzene-d5
Concen: 10.00 ppbv
RT: 6.00 min Scan# 783
Delta R.T. -0.02 min
Lab File: 029.D
Acq: 11 Dec 2007 14:36

Tgt Ion: 117 Resp: 2386
Ion Ratio Lower Upper
117 100
82 49.4 41.0 61.6
119 32.4 25.5 38.3



#13
Toluene
Concen: 3.00 ppbv
RT: 5.26 min Scan# 636
Delta R.T. -0.01 min
Lab File: 029.D
Acq: 11 Dec 2007 14:36

Tgt Ion: 91 Resp: 649
Ion Ratio Lower Upper
91 100
92 56.5 46.9 70.3



Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\2007\20071211\030.D Vial: 1
 Acq On : 11 Dec 2007 14:46 Operator: CWS
 Sample : 4450\ 15 ft from seep 1 Inst : Instrumen
 Misc : 5 mL\11 Dec 2007 Multiplr: 1.00
 MS Integration Params: rteint.p
 Quant Time: Jan 23 10:27:32 2008 Quant Results File: LOOP20071211.RES

Quant Method : C:\MSDCHEM\1...\LOOP20071211.M (RTE Integrator)

Title : VOC
 Last Update : Tue Dec 11 11:52:00 2007
 Response via : Initial Calibration
 DataAcq Meth : LOOPSIMI

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	4.27	49	601	10.00	ppbv	0.00
9) 1,4-Difluorobenzene	4.61	114	2383m	10.00	ppbv	0.01
12) Chlorobenzene-d5	6.02	117	2274	10.00	ppbv	0.00

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
7) cis-1,2-Dichloroethene	4.15	61	375m	5.22	ppbv	
11) Trichloroethene	4.77	130	465	5.20	ppbv	95

Data File : C:\MSDCHEM\1\DATA\2007\20071211\030.D

Vial: 1

Acq On : 11 Dec 2007 14:46

Operator: CWS

Sample : 4450\ 15 ft from seep 1

Inst : Instrumen

Misc : 5 mL\11 Dec 2007

Multiplr: 1.00

MS Integration Params: rteint.p

Quant Time: Jan 23 12:28 2008

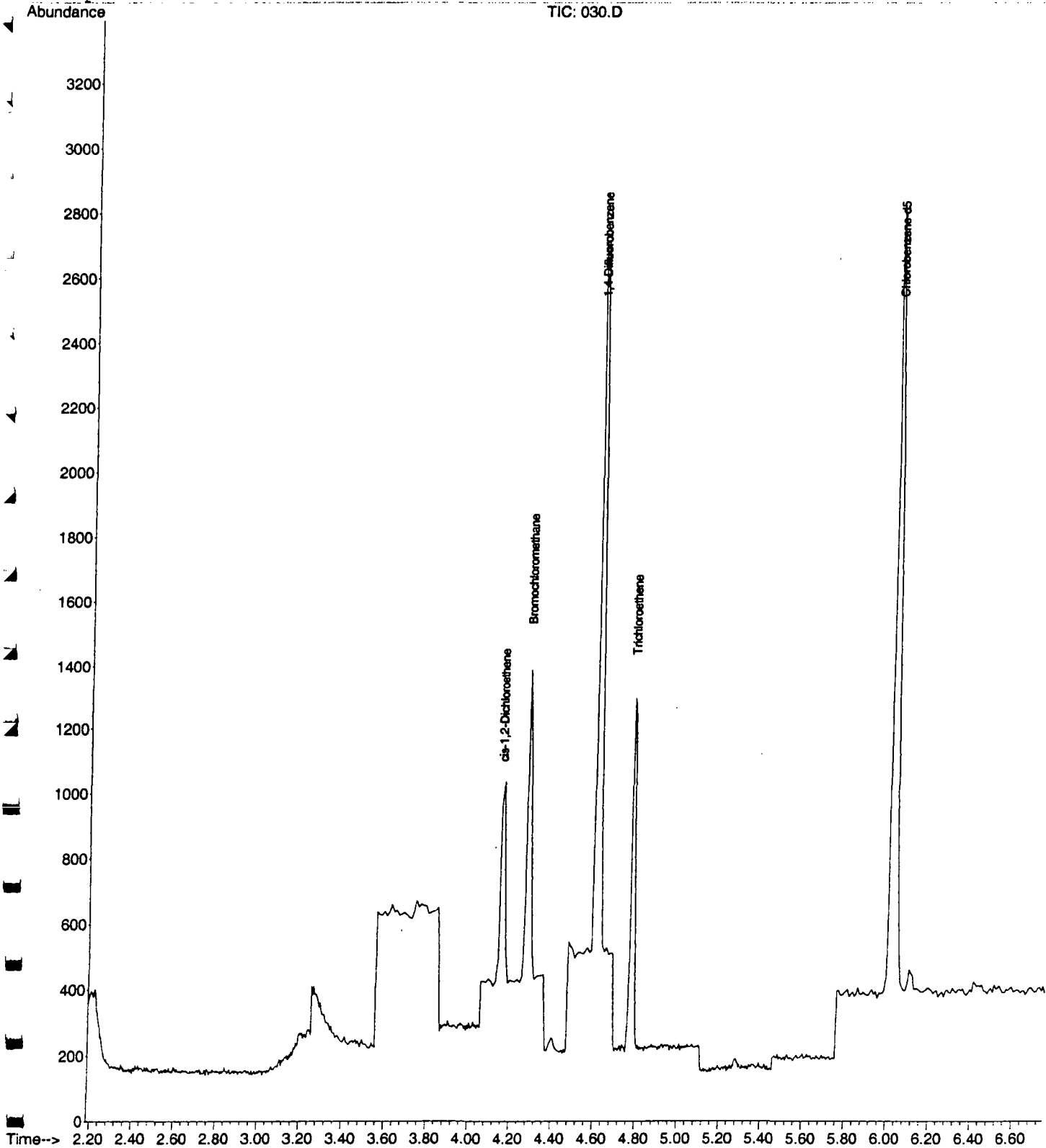
Quant Results File: LOOP20071211.RES

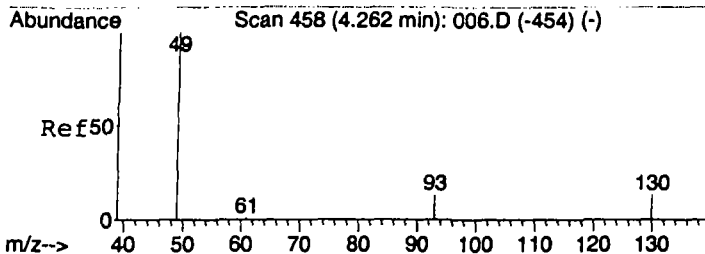
Method : C:\MSDCHEM\1\METHODS\LOOP20071211.M (RTE Integrator)

Title : VOC

Last Update : Tue Dec 11 11:52:00 2007

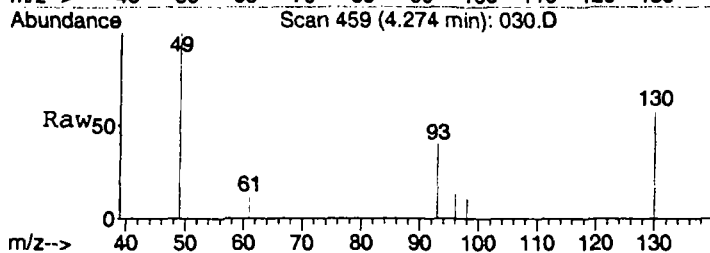
Response via : Initial Calibration





#1
 Bromochloromethane
 Concen: 10.00 ppbv
 RT: 4.27 min Scan# 459
 Delta R.T. 0.00 min
 Lab File: 030.D
 Acq: 11 Dec 2007 14:46

Tgt Ion	Ratio	Lower	Upper
49	100		
130	95.2	105.7	158.5#
93	32.9	24.4	36.6

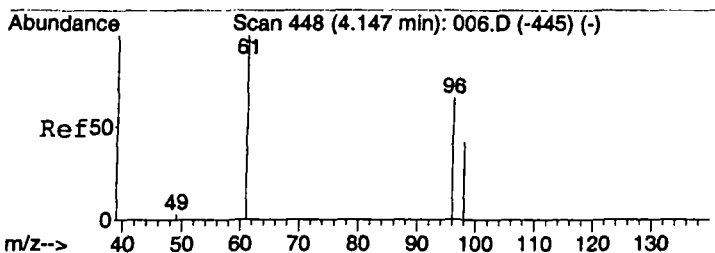
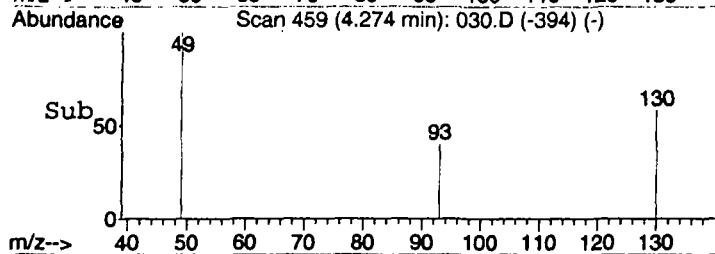
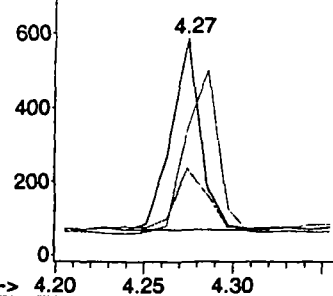


Abundance

Ion 49.00 (48.70 to 49.70): 03

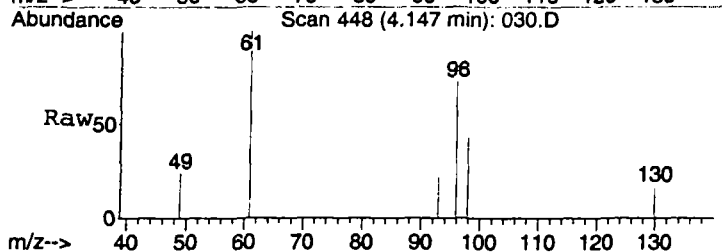
Ion 130.00 (129.70 to 130.70): 03

Ion 93.00 (92.70 to 93.70): 03



#7
 cis-1,2-Dichloroethene
 Concen: 5.22 ppbv m
 RT: 4.15 min Scan# 448
 Delta R.T. 0.00 min
 Lab File: 030.D
 Acq: 11 Dec 2007 14:46

Tgt Ion	Ratio	Lower	Upper
61	100		
96	113.1	64.8	97.2#
98	90.9	49.8	74.8#

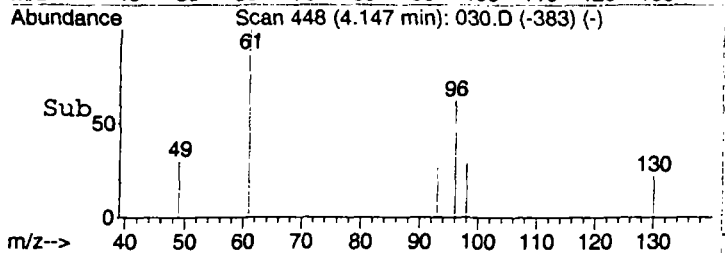
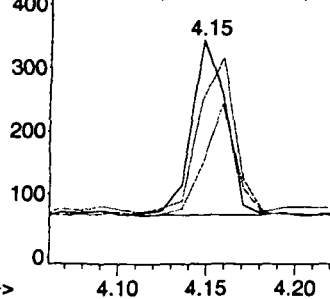


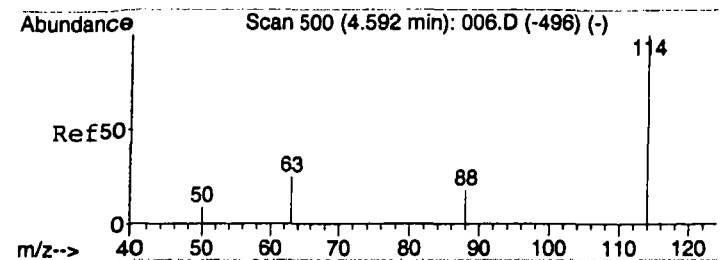
Abundance

Ion 61.00 (60.70 to 61.70): 03

Ion 96.00 (95.70 to 96.70): 03

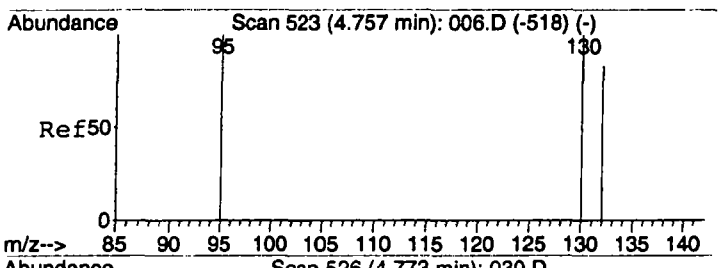
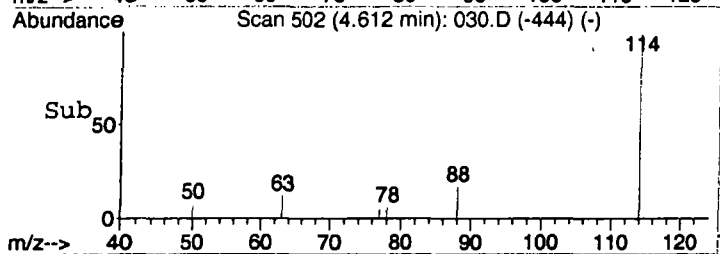
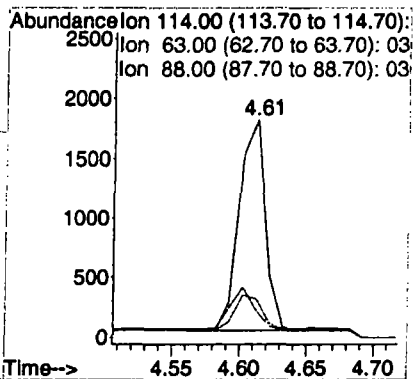
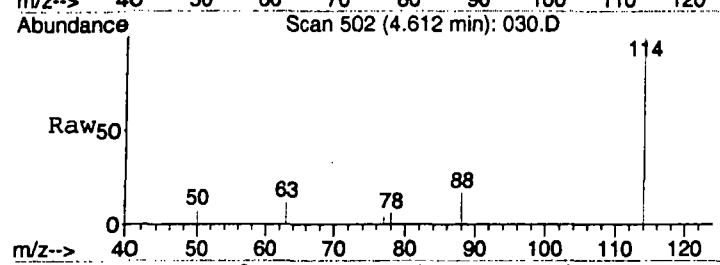
Ion 98.00 (97.70 to 98.70): 03





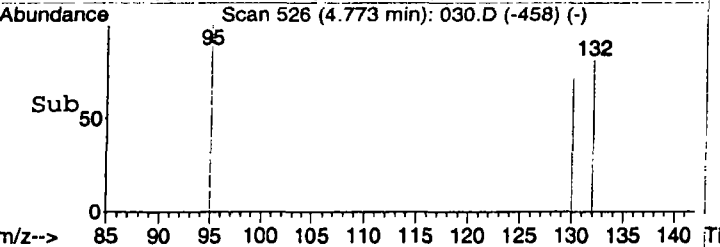
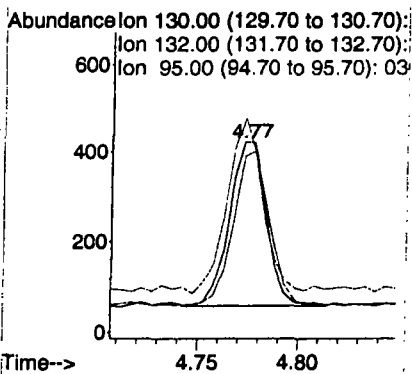
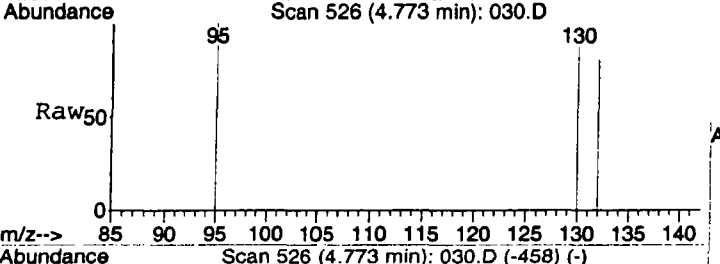
#9
1,4-Difluorobenzene
Concen: 10.00 ppbv m
RT: 4.61 min Scan# 502
Delta R.T. 0.01 min
Lab File: 030.D
Acq: 11 Dec 2007 14:46

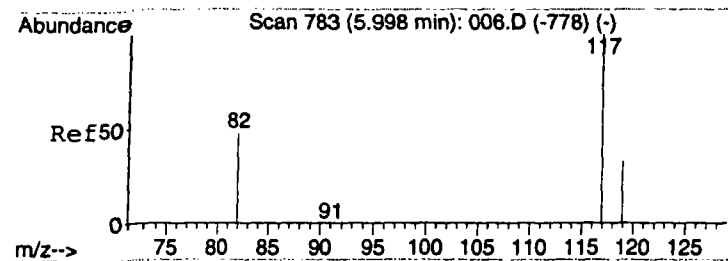
Tgt Ion: 114 Resp: 2383
Ion Ratio Lower Upper
114 100
63 17.3 15.4 23.2
88 17.1 11.8 17.6



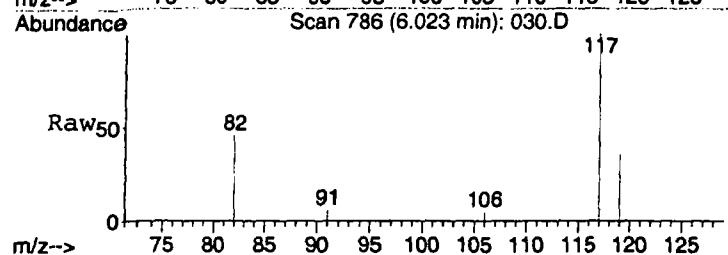
#11
Trichloroethene
Concen: 5.20 ppbv
RT: 4.77 min Scan# 526
Delta R.T. 0.01 min
Lab File: 030.D
Acq: 11 Dec 2007 14:46

Tgt Ion: 130 Resp: 465
Ion Ratio Lower Upper
130 100
132 92.9 74.7 112.1
95 103.0 75.2 112.8

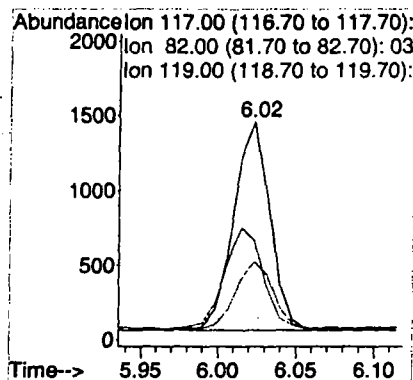
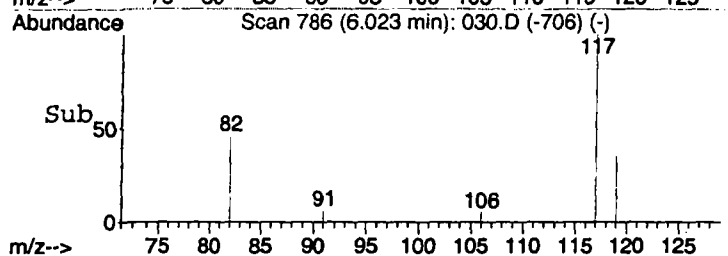




#12
 Chlorobenzene-d5
 Concen: 10.00 ppbv
 RT: 6.02 min Scan# 786
 Delta R.T. 0.01 min
 Lab File: 030.D
 Acq: 11 Dec 2007 14:46



Tgt Ion: 117 Resp: 2274
 Ion Ratio Lower Upper
 117 100
 82 52.3 41.0 61.6
 119 33.0 25.5 38.3



Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\2007\20071211\031.D Vial: 1
 Acq On : 11 Dec 2007 14:57 Operator: CWS
 Sample : 4447\ seep 3 Inst : Instrumen
 Misc : 5 mL\11 Dec 2007 Multiplr: 1.00
 MS Integration Params: rteint.p
 Quant Time: Dec 11 15:04:30 2007 Quant Results File: LOOP20071211.RES

Quant Method : C:\MSDCHEM\1...\LOOP20071211.M (RTE Integrator)
 Title : VOC
 Last Update : Tue Dec 11 11:52:00 2007
 Response via : Initial Calibration
 DataAcq Meth : LOOPSIMI

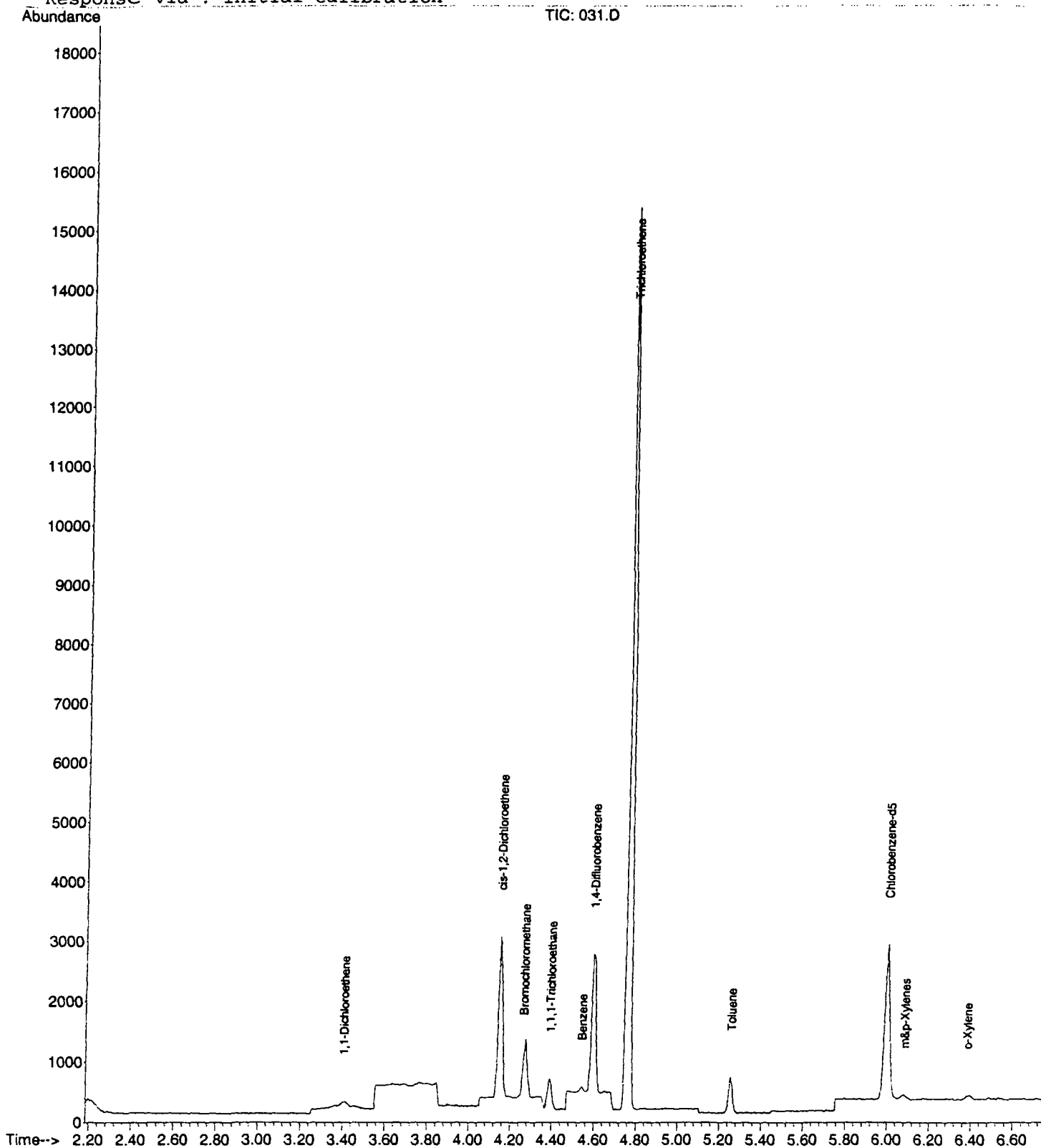
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	4.26	49	602m	10.00	ppbv	-0.01
9) 1,4-Difluorobenzene	4.60	114	2419m	10.00	ppbv	0.00
12) Chlorobenzene-d5	6.00	117	2358	10.00	ppbv	-0.02
Target Compounds						Qvalue
3) 1,1-Dichloroethene	3.40	61	65	0.82	ppbv	# 28
7) cis-1,2-Dichloroethene	4.15	61	1446m	20.09	ppbv	
8) 1,1,1-Trichloroethane	4.39	97	415m	3.43	ppbv	
10) Benzene	4.54	78	107m	0.65	ppbv	
11) Trichloroethene	4.76	130	6388	70.39	ppbv	96
13) Toluene	5.26	91	520	2.43	ppbv	99
16) m&p-Xylenes	6.08	91	127m	0.82	ppbv	
17) o-Xylene	6.39	91	118	0.65	ppbv	100

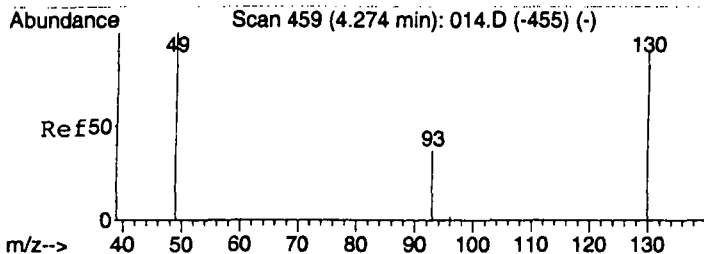
Data File : C:\MSDCHEM\1\DATA\2007\20071211\031.D
Acq On : 11 Dec 2007 14:57
Sample : 4447\ seep 3
Misc : 5 mL\11 Dec 2007
MS Integration Params: rteint.p
Quant Time: Dec 20 13:41 2007

Vial: 1
Operator: CWS
Inst : Instrumen
Multiplr: 1.00

Quant Results File: LOOP20071211.RES

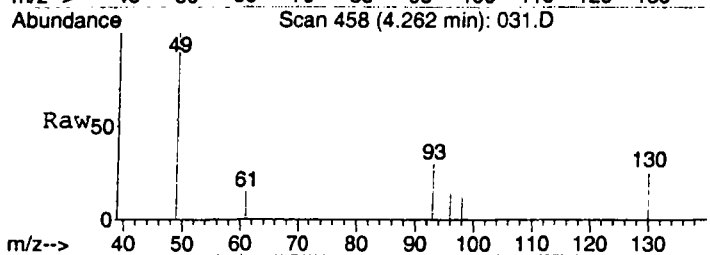
Method : C:\MSDCHEM\1\METHODS\LOOP20071211.M (RTE Integrator)
Title : VOC
Last Update : Tue Dec 11 11:52:00 2007
Response via : Initial Calibration



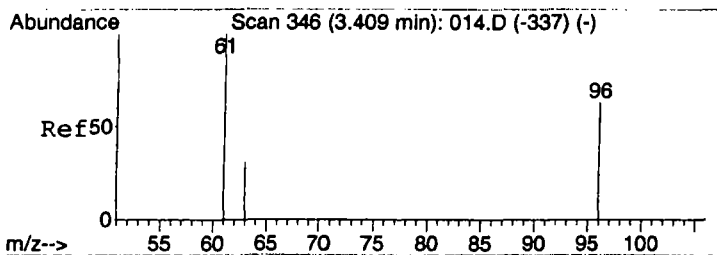
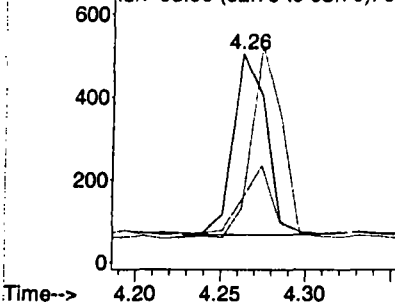
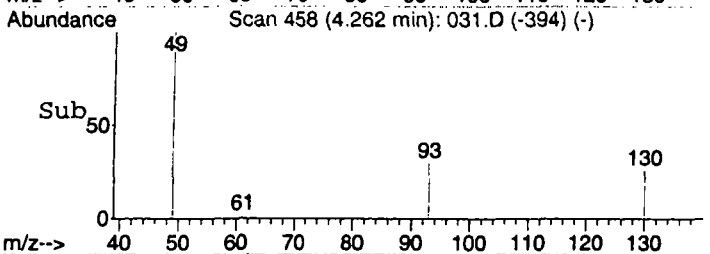


#1
 Bromochloromethane
 Concen: 10.00 ppbv m
 RT: 4.26 min Scan# 458
 Delta R.T. -0.01 min
 Lab File: 031.D
 Acq: 11 Dec 2007 14:57

Tgt Ion: 49 Resp: 602
 Ion Ratio Lower Upper
 49 100
 130 95.5 105.7 158.5#
 93 108.5 24.4 36.6#

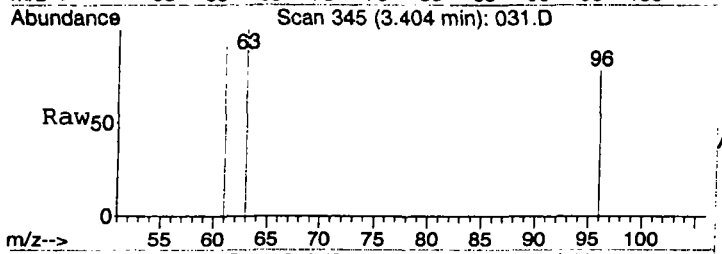


Abundance Ion 49.00 (48.70 to 49.70): 03
 Ion 130.00 (129.70 to 130.70): 03
 Ion 93.00 (92.70 to 93.70): 03

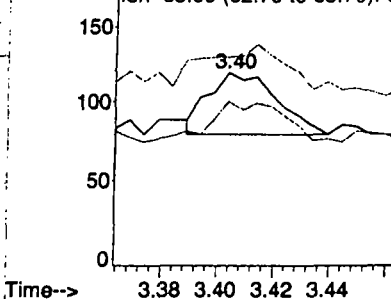
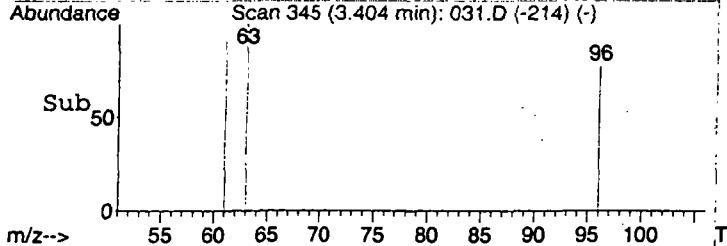


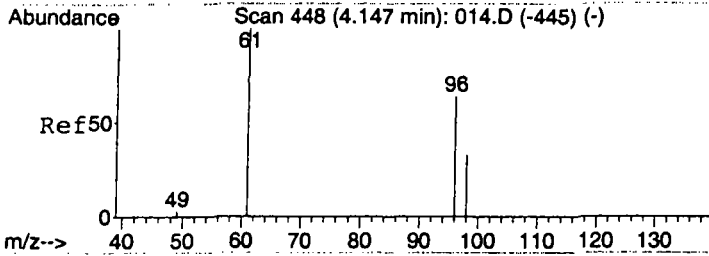
#3
 1,1-Dichloroethene
 Concen: 0.82 ppbv
 RT: 3.40 min Scan# 345
 Delta R.T. -0.01 min
 Lab File: 031.D
 Acq: 11 Dec 2007 14:57

Tgt Ion: 61 Resp: 65
 Ion Ratio Lower Upper
 61 100
 96 0.0 48.4 72.6#
 63 0.0 24.4 36.6#



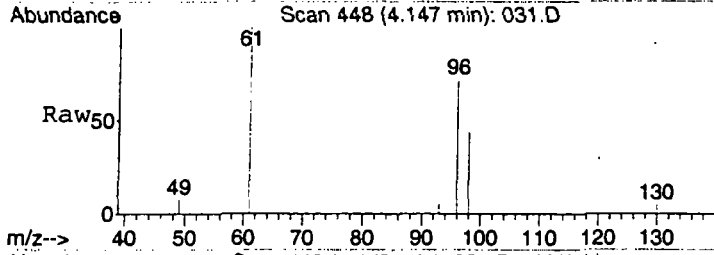
Abundance Ion 61.00 (60.70 to 61.70): 03
 Ion 96.00 (95.70 to 96.70): 03
 Ion 63.00 (62.70 to 63.70): 03



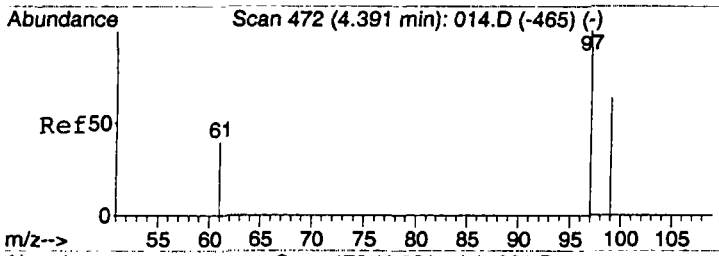
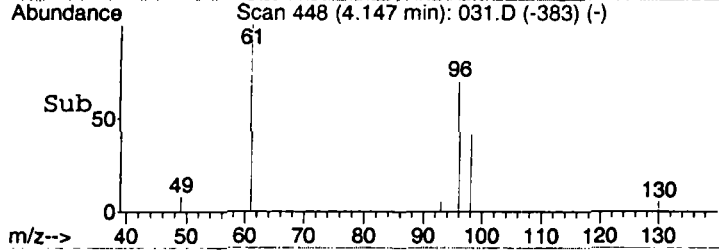
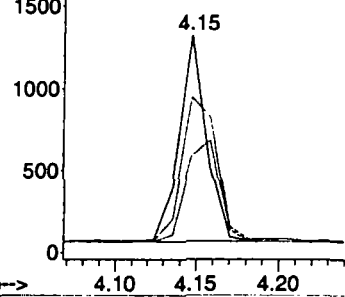


#7
 cis-1,2-Dichloroethene
 Concen: 20.09 ppbv m
 RT: 4.15 min Scan# 448
 Delta R.T. 0.00 min
 Lab File: 031.D
 Acq: 11 Dec 2007 14:57

Tgt Ion: 61 Resp: 1446
 Ion Ratio Lower Upper
 61 100
 96 104.1 64.8 97.2#
 98 72.7 49.8 74.8

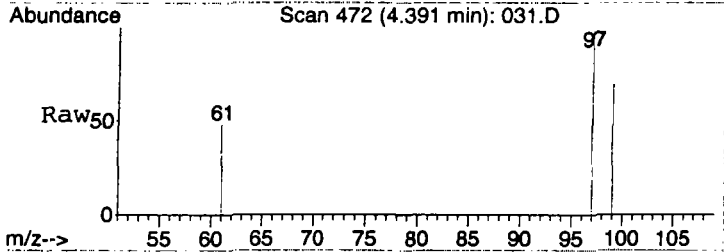


Abundance Ion 61.00 (60.70 to 61.70): 03
 Ion 96.00 (95.70 to 96.70): 03
 Ion 98.00 (97.70 to 98.70): 03

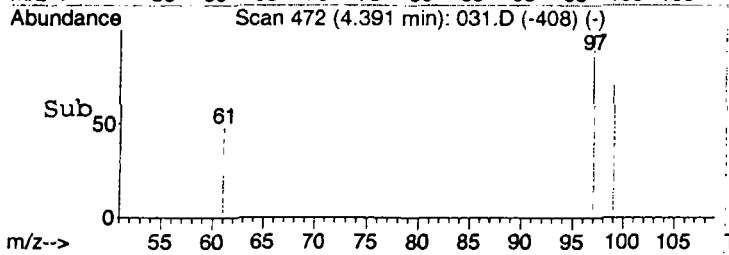
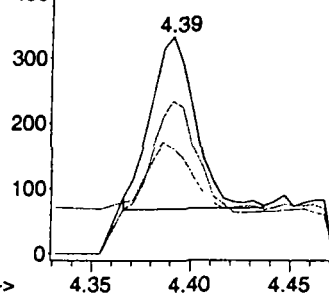


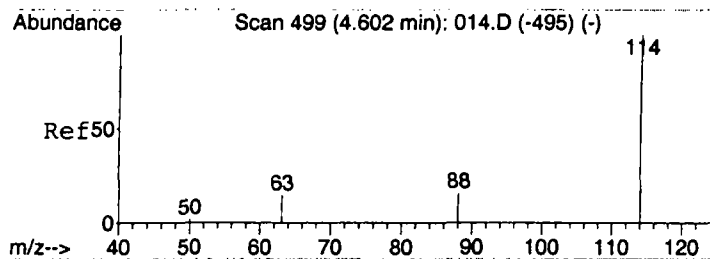
#8
 1,1,1-Trichloroethane
 Concen: 3.43 ppbv m
 RT: 4.39 min Scan# 472
 Delta R.T. -0.00 min
 Lab File: 031.D
 Acq: 11 Dec 2007 14:57

Tgt Ion: 97 Resp: 415
 Ion Ratio Lower Upper
 97 100
 99 144.1 52.2 78.2#
 61 40.5 34.6 51.8



Abundance Ion 97.00 (96.70 to 97.70): 03
 Ion 99.00 (98.70 to 99.70): 03
 Ion 61.00 (60.70 to 61.70): 03

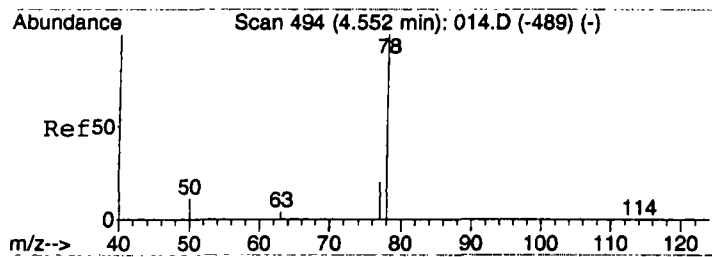
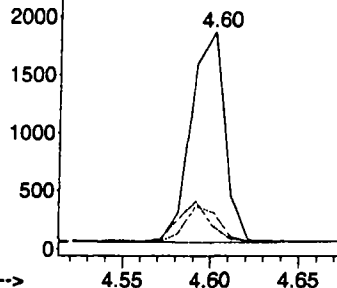




#9
1,4-Difluorobenzene
Concen: 10.00 ppbv m
RT: 4.60 min Scan# 501
Delta R.T. -0.00 min
Lab File: 031.D
Acq: 11 Dec 2007 14:57

Tgt Ion: 114 Resp: 2419
Ion Ratio Lower Upper
114 100
63 17.5 15.4 23.2
88 19.7 11.8 17.6#

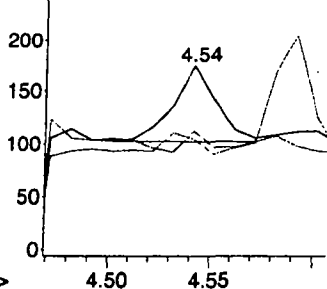
Abundance Ion 114.00 (113.70 to 114.70):
2500 Ion 63.00 (62.70 to 63.70): 03
Ion 88.00 (87.70 to 88.70): 03



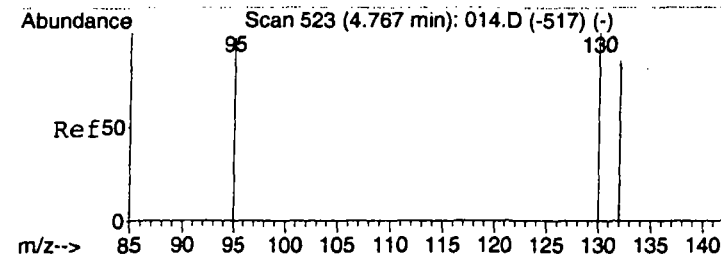
#10
Benzene
Concen: 0.65 ppbv m
RT: 4.54 min Scan# 495
Delta R.T. -0.01 min
Lab File: 031.D
Acq: 11 Dec 2007 14:57

Tgt Ion: 78 Resp: 107
Ion Ratio Lower Upper
78 100
77 0.0 20.5 30.7#
50 268.2 15.9 23.9#

Abundance Ion 78.00 (77.70 to 78.70): 03
Ion 77.00 (76.70 to 77.70): 03
Ion 50.00 (49.70 to 50.70): 03

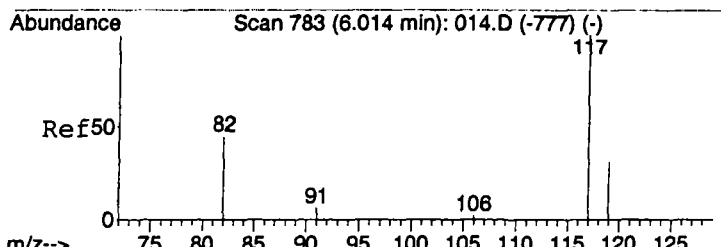
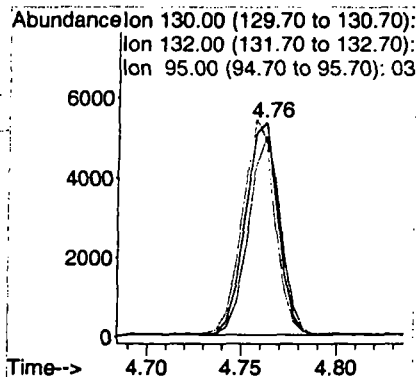


m/z-->



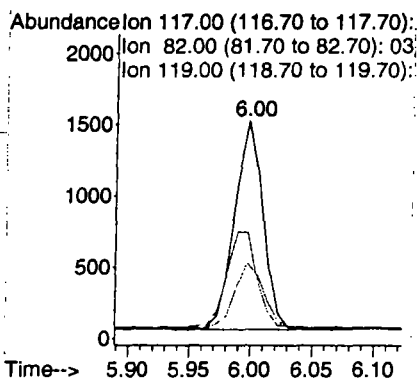
#11
Trichloroethene
Concen: 70.39 ppbv
RT: 4.76 min Scan# 524
Delta R.T. -0.01 min
Lab File: 031.D
Acq: 11 Dec 2007 14:57

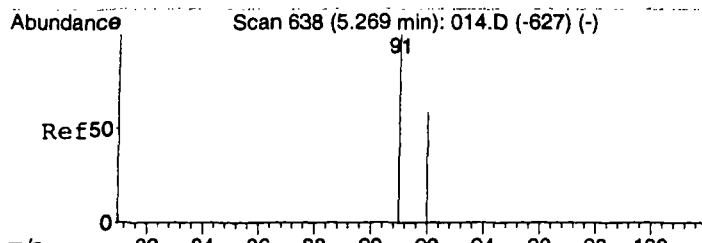
Tgt Ion	Ratio	Lower	Upper
130	100		
132	93.8	74.7	112.1
95	100.8	75.2	112.8



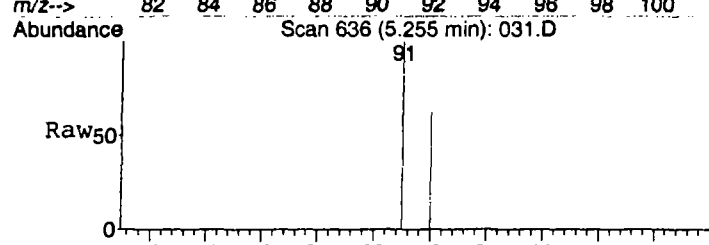
#12
Chlorobenzene-d5
Concen: 10.00 ppbv
RT: 6.00 min Scan# 783
Delta R.T. -0.02 min
Lab File: 031.D
Acq: 11 Dec 2007 14:57

Tgt Ion	Ratio	Lower	Upper
117	100		
82	48.8	41.0	61.6
119	31.8	25.5	38.3

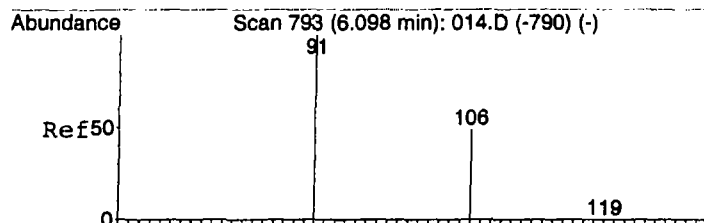
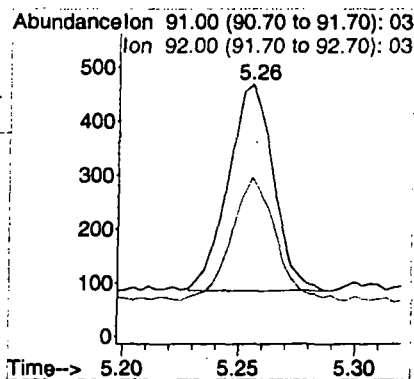
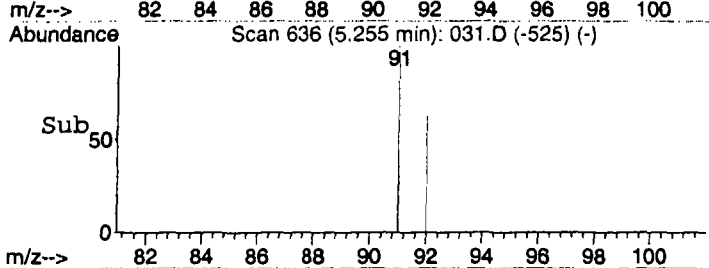




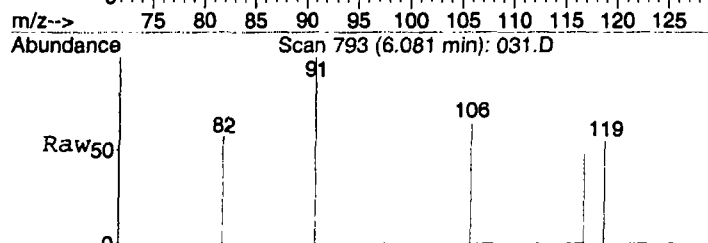
#13
Toluene
Concen: 2.43 ppbv
RT: 5.26 min Scan# 636
Delta R.T. -0.01 min
Lab File: 031.D
Acq: 11 Dec 2007 14:57



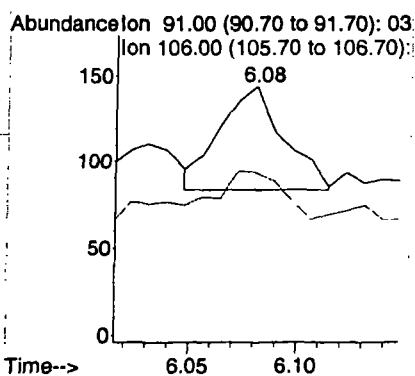
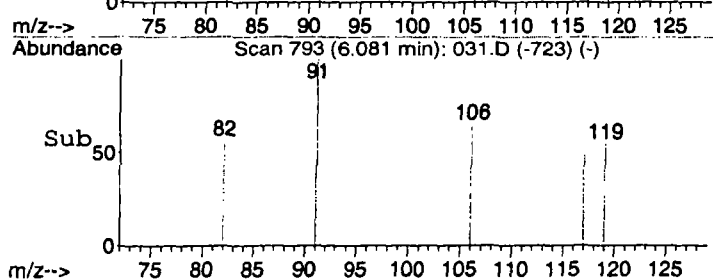
Tgt Ion: 91 Resp: 520
Ion Ratio Lower Upper
91 100
92 58.1 46.9 70.3

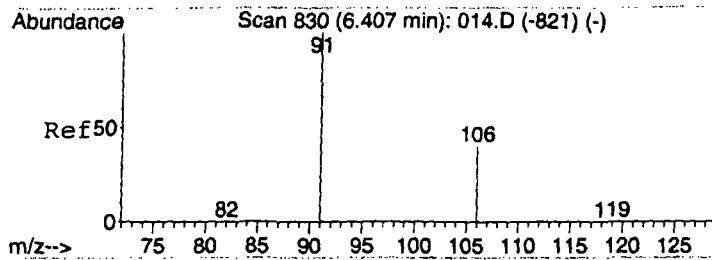


#16
m&p-Xylenes
Concen: 0.82 ppbv m
RT: 6.08 min Scan# 793
Delta R.T. -0.02 min
Lab File: 031.D
Acq: 11 Dec 2007 14:57



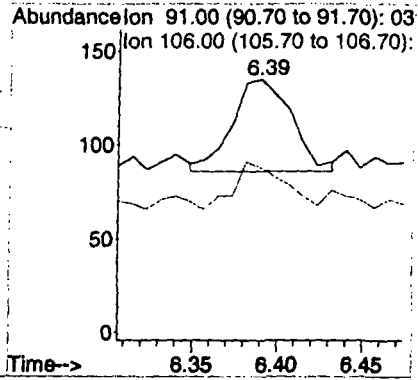
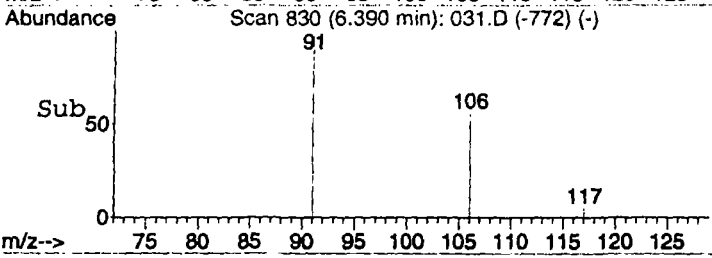
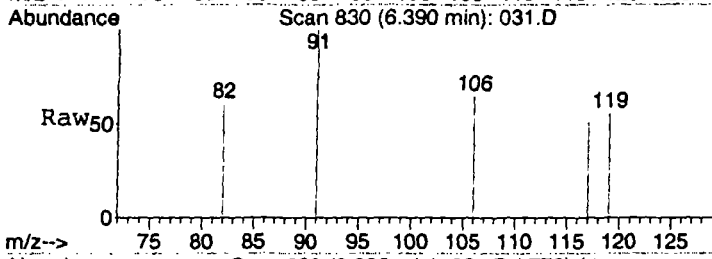
Tgt Ion: 91 Resp: 127
Ion Ratio Lower Upper
91 100
106 29.1 36.4 54.6#





#17
 o-Xylene
 Concen: 0.65 ppbv
 RT: 6.39 min Scan# 830
 Delta R.T. -0.02 min
 Lab File: 031.D
 Acq: 11 Dec 2007 14:57

Tgt Ion: 91 Resp: 118
 Ion Ratio Lower Upper
 91 100
 106 42.4 33.9 50.9



Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\2007\20071211\032.D Vial: 1
 Acq On : 11 Dec 2007 15:08 Operator: CWS
 Sample : 4448\ seep 4 Inst : Instrumen
 Misc : 5 mL\11 Dec 2007 Multiplr: 1.00
 MS Integration Params: rteint.p
 Quant Time: Dec 11 15:15:54 2007 Quant Results File: LOOP20071211.RES

Quant Method : C:\MSDCHEM\1...\LOOP20071211.M (RTE Integrator)
 Title : VOC
 Last Update : Tue Dec 11 11:52:00 2007
 Response via : Initial Calibration
 DataAcq Meth : LOOPSIMI

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	4.26	49	571	10.00	ppbv	-0.01
9) 1,4-Difluorobenzene	4.60	114	2419m	10.00	ppbv	0.00
12) Chlorobenzene-d5	6.00	117	2347	10.00	ppbv	-0.02

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
7) cis-1,2-Dichloroethene	4.15	61	35m	0.51	ppbv	
11) Trichloroethene	4.76	130	821m	9.05	ppbv	

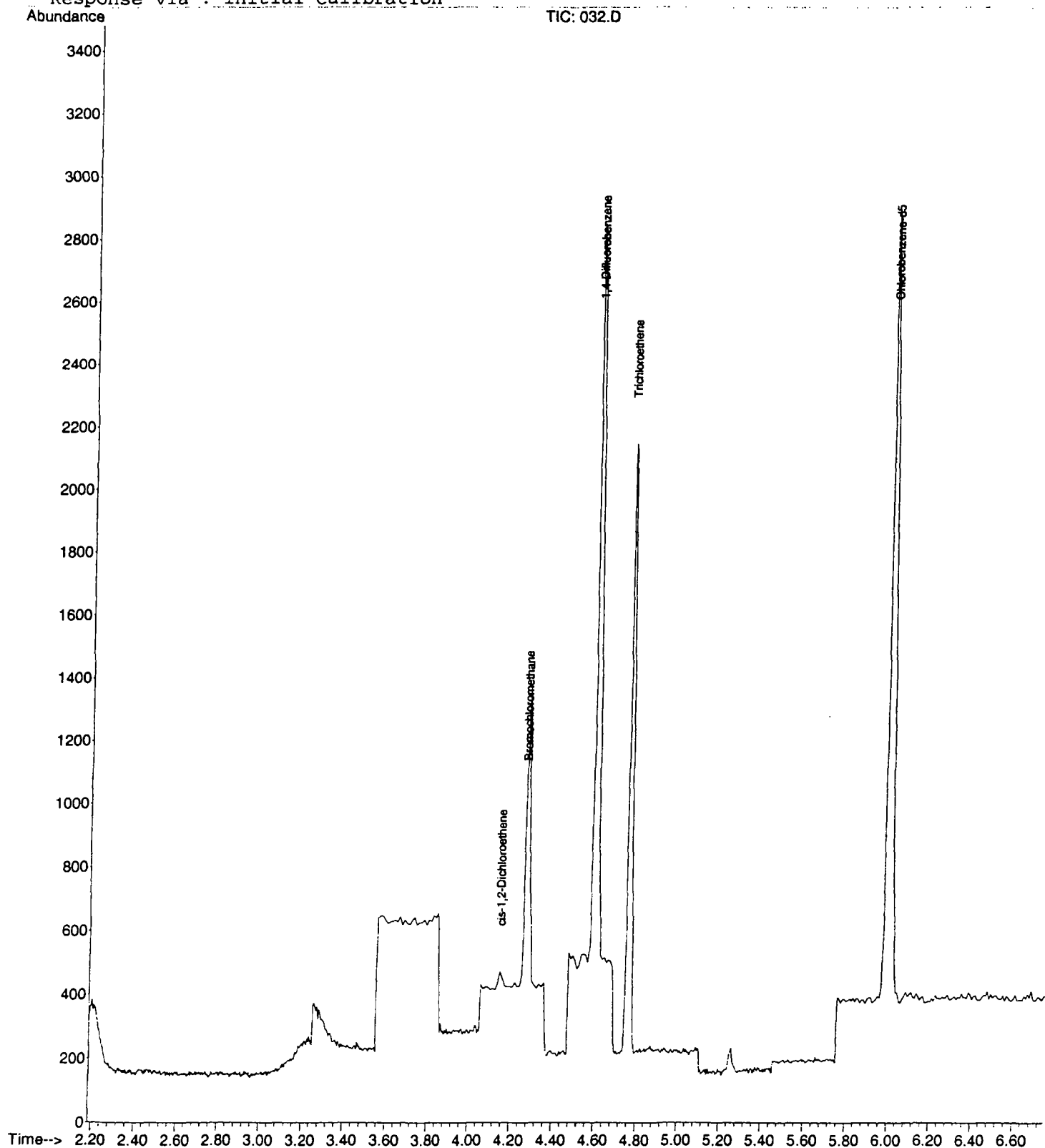
Quantitation Report (QT Reviewed)

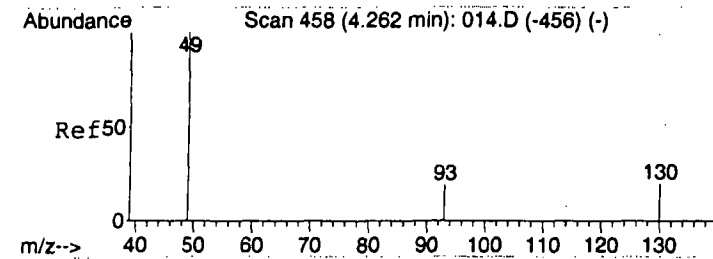
Data File : C:\MSDCHEM\1\DATA\2007\20071211\032.D
 Acq On : 11 Dec 2007 15:08
 Sample : 4448\ seep 4
 Misc : 5 mL\11 Dec 2007
 MS Integration Params: rteint.p
 Quant Time: Dec 11 15:17 2007

Vial: 1
 Operator: CWS
 Inst : Instrumen
 Multiplr: 1.00

Quant Results File: LOOP20071211.RES

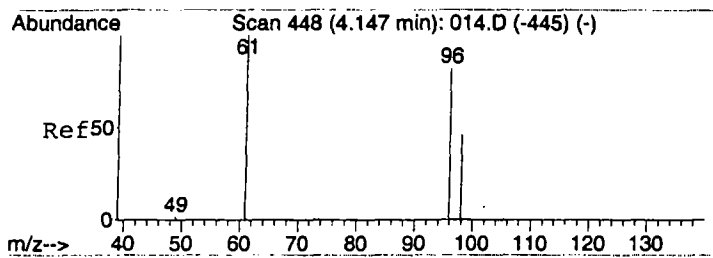
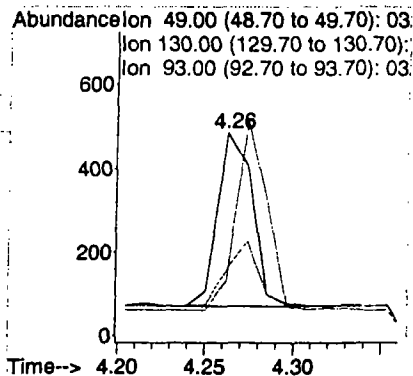
Method : C:\MSDCHEM\1\METHODS\LOOP20071212.M (RTE Integrator)
 Title : VOC
 Last Update : Tue Dec 18 13:43:01 2007
 Response via : Initial Calibration





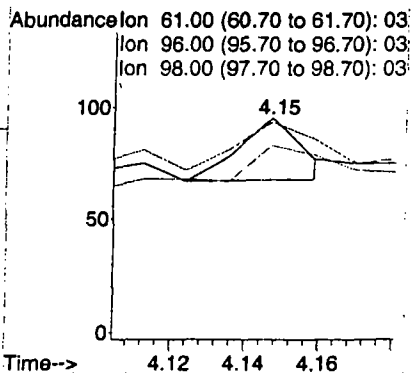
#1
Bromochloromethane
Concen: 10.00 ppbv
RT: 4.26 min Scan# 458
Delta R.T. -0.01 min
Lab File: 032.D
Acq: 11 Dec 2007 15:08

Tgt Ion: 49 Resp: 571
Ion Ratio Lower Upper
49 100
130 163.9 105.7 158.5#
93 34.9 24.4 36.6

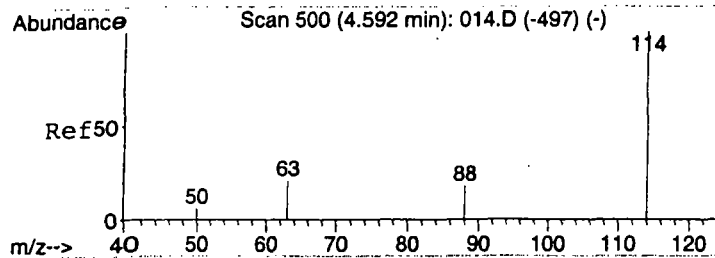


#7
cis-1,2-Dichloroethene
Concen: 0.51 ppbv m
RT: 4.15 min Scan# 448
Delta R.T. 0.00 min
Lab File: 032.D
Acq: 11 Dec 2007 15:08

Tgt Ion: 61 Resp: 35
Ion Ratio Lower Upper
61 100
96 905.7 64.8 97.2#
98 291.4 49.8 74.8#

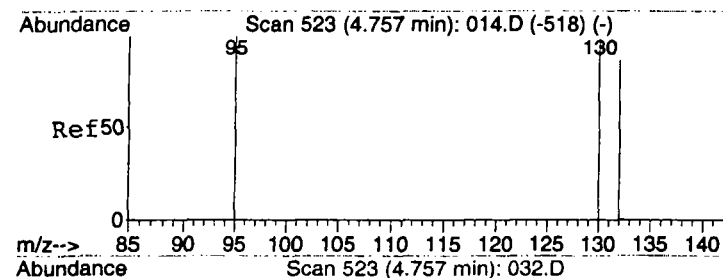
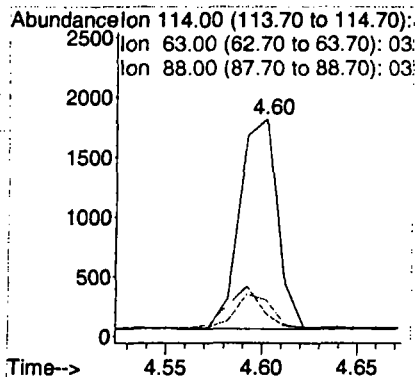
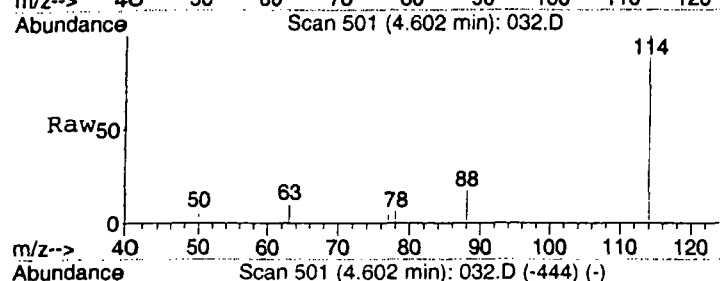


m/z-->



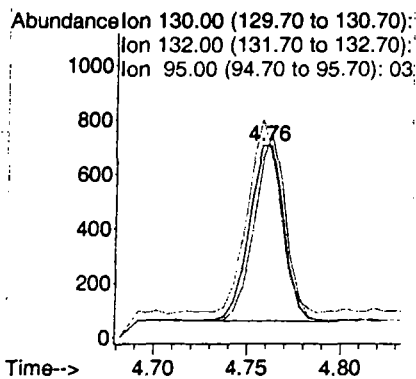
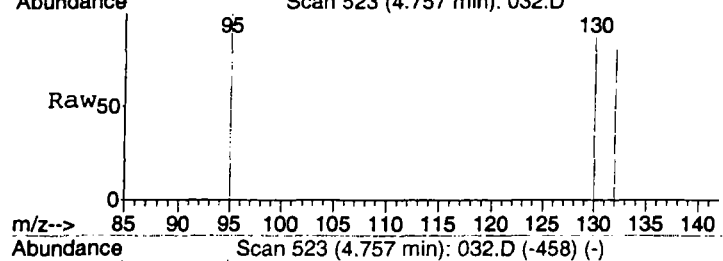
#9
1,4-Difluorobenzene
Concen: 10.00 ppbv m
RT: 4.60 min Scan# 501
Delta R.T. 0.00 min
Lab File: 032.D
Acq: 11 Dec 2007 15:08

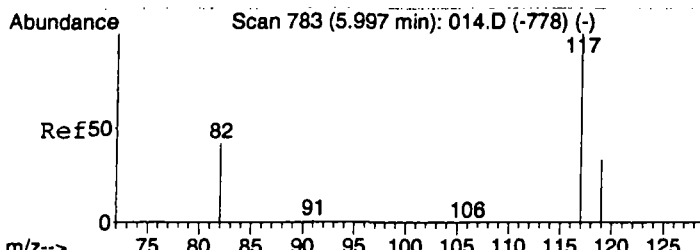
Tgt Ion:114 Resp: 2419
Ion Ratio Lower Upper
114 100
63 20.9 15.4 23.2
88 18.5 11.8 17.6#



#11
Trichloroethene
Concen: 9.05 ppbv m
RT: 4.76 min Scan# 523
Delta R.T. -0.01 min
Lab File: 032.D
Acq: 11 Dec 2007 15:08

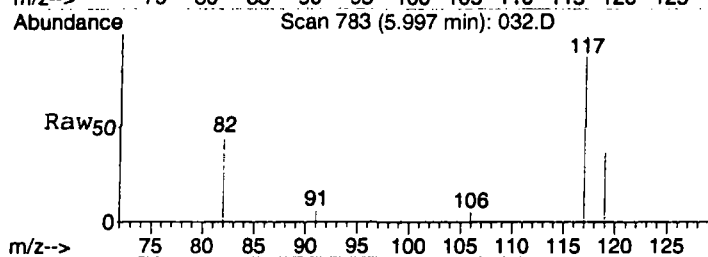
Tgt Ion:130 Resp: 821
Ion Ratio Lower Upper
130 100
132 105.0 74.7 112.1
95 111.3 75.2 112.8



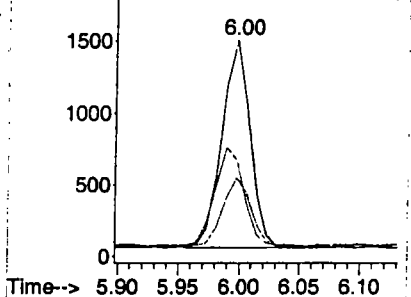
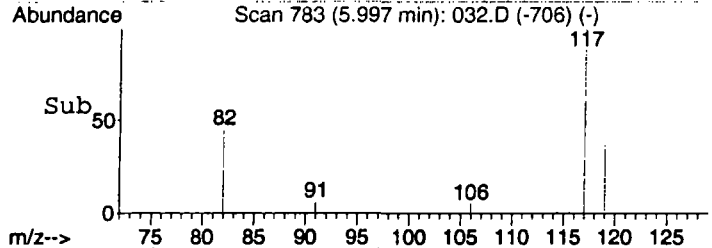


#12
 Chlorobenzene-d5
 Concen: 10.00 ppbv
 RT: 6.00 min Scan# 783
 Delta R.T. -0.02 min
 Lab File: 032.D
 Acq: 11 Dec 2007 15:08

Tgt Ion:	117	Resp:	2347
Ion Ratio	Lower	Upper	
117	100		
82	49.7	41.0	61.6
119	33.3	25.5	38.3



Abundance Ion 117.00 (116.70 to 117.70):
 Ion 82.00 (81.70 to 82.70): 03
 Ion 119.00 (118.70 to 119.70):



Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\2007\20071211\033.D Vial: 1
 Acq On : 11 Dec 2007 15:19 Operator: CWS
 Sample : 4449\ between seeps 3 & 4 Inst : Instrumen
 Misc : 5 mL\11 Dec 2007 Multiplr: 1.00
 MS Integration Params: rteint.p
 Quant Time: Dec 11 15:26:51 2007 Quant Results File: LOOP20071211.RES

Quant Method : C:\MSDCHEM\1...\LOOP20071211.M (RTE Integrator)
 Title : VOC
 Last Update : Tue Dec 11 11:52:00 2007
 Response via : Initial Calibration
 DataAcq Meth : LOOPSIMI

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	4.26	49	575m	10.00	ppbv	-0.01
9) 1,4-Difluorobenzene	4.60	114	2415	10.00	ppbv	0.00
12) Chlorobenzene-d5	6.00	117	2290	10.00	ppbv	-0.02

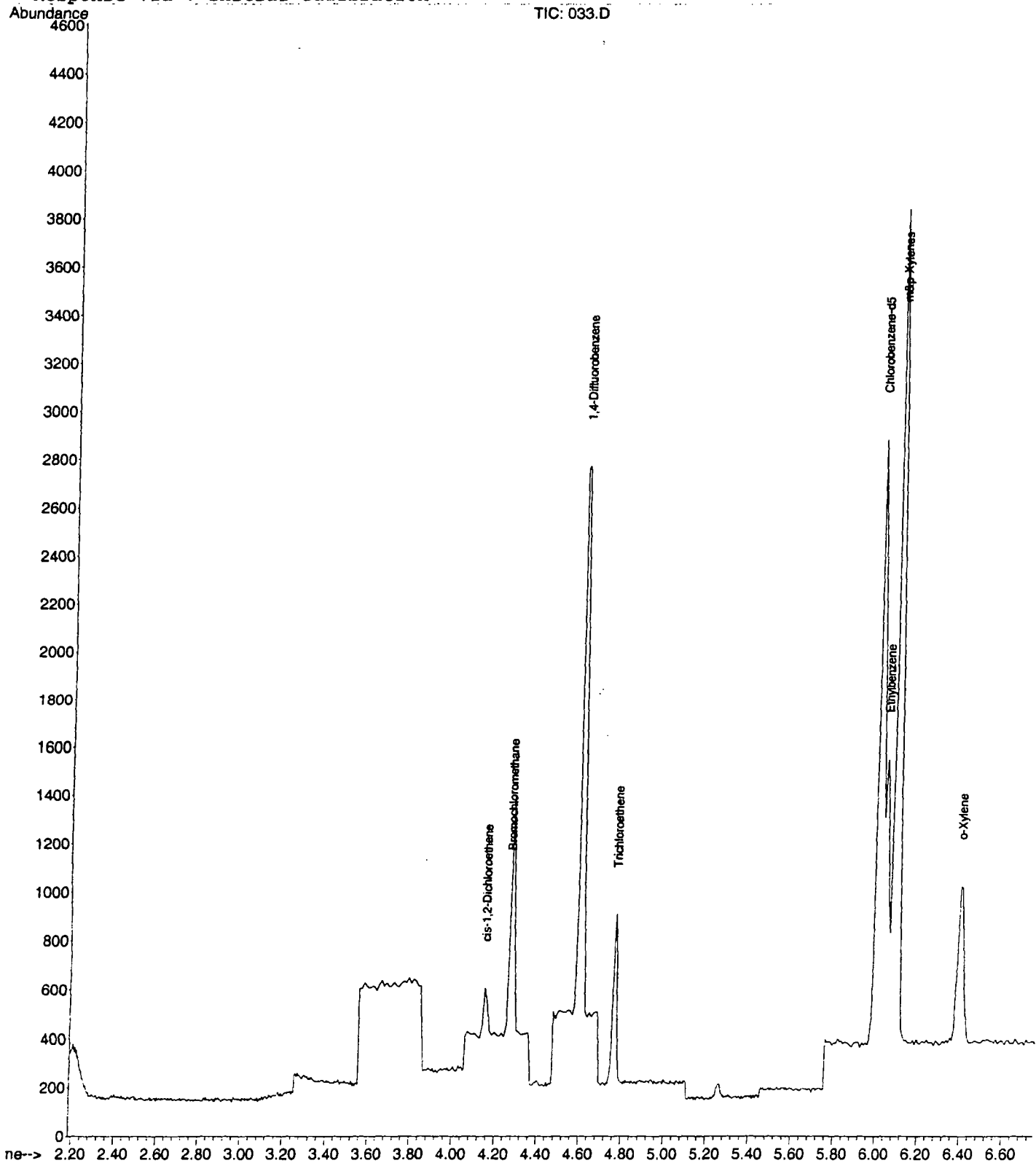
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
7) cis-1,2-Dichloroethene	4.15	61	103m	1.50	ppbv	
11) Trichloroethene	4.76	130	288	3.18	ppbv	# 62
15) Ethylbenzene	6.03	91	1623	7.78	ppbv	95
16) m&p-Xylenes	6.08	91	3899	25.91	ppbv	94
17) o-Xylene	6.39	91	925	5.22	ppbv	95

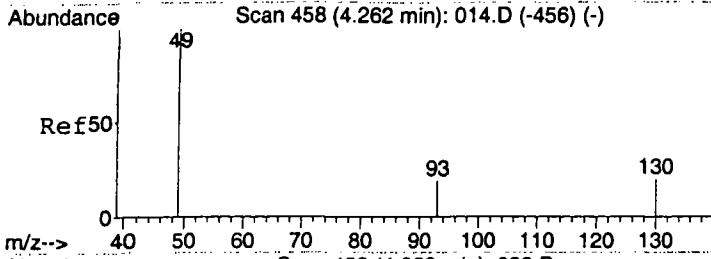
Data File : C:\MSDCHEM\1\DATA\2007\20071211\033.D
Acq On : 11 Dec 2007 15:19
Sample : 4449\ between seeps 3 & 4
Misc : 5 mL\11 Dec 2007
MS Integration Params: rteint.p
Quant Time: Dec 11 15:28 2007

Vial: 1
Operator: CWS
Inst : Instrumen
Multiplr: 1.00

Quant Results File: LOOP20071211.RES

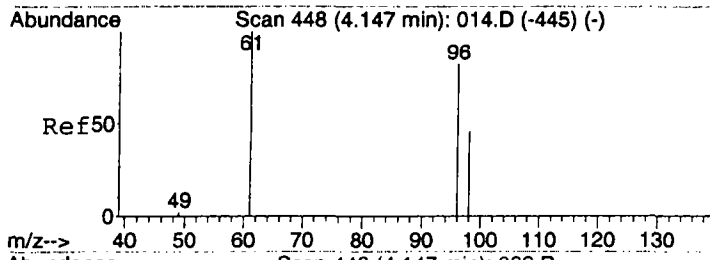
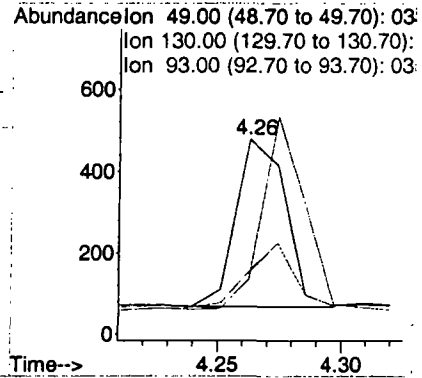
Method : C:\MSDCHEM\1\METHODS\LOOP20071212.M (RTE Integrator)
Title : VOC
Last Update : Tue Dec 18 13:43:01 2007
Response via : Initial Calibration





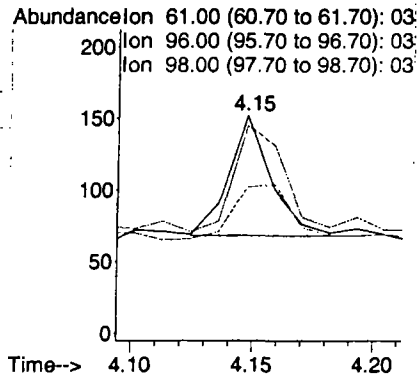
#1
Bromochloromethane
Concen: 10.00 ppbv m
RT: 4.26 min Scan# 458
Delta R.T. -0.01 min
Lab File: 033.D
Acq: 11 Dec 2007 15:19

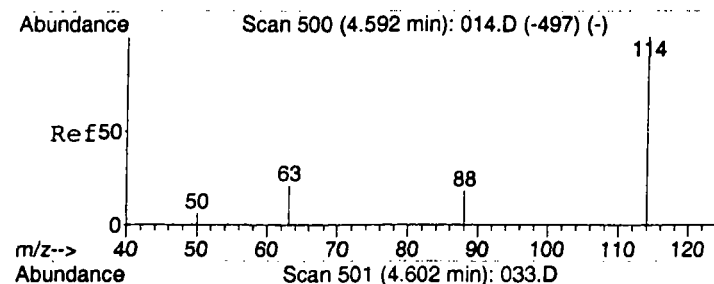
Tgt Ion: 49 Resp: 575
Ion Ratio Lower Upper
49 100
130 163.8 105.7 158.5#
93 36.3 24.4 36.6



#7
cis-1,2-Dichloroethene
Concen: 1.50 ppbv m
RT: 4.15 min Scan# 448
Delta R.T. 0.00 min
Lab File: 033.D
Acq: 11 Dec 2007 15:19

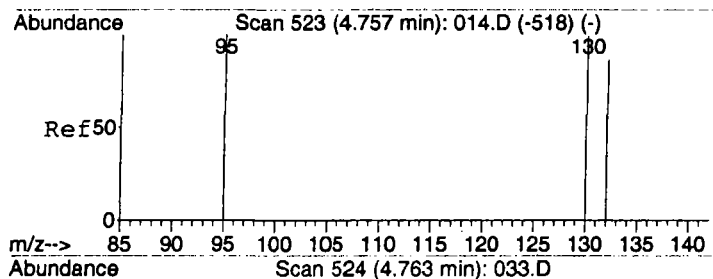
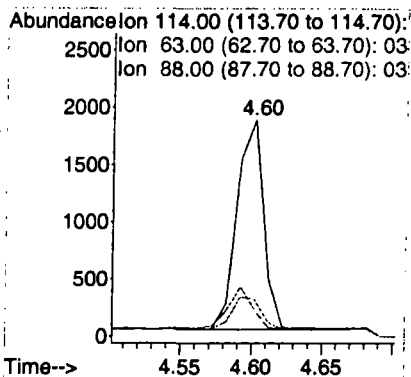
Tgt Ion: 61 Resp: 103
Ion Ratio Lower Upper
61 100
96 188.3 64.8 97.2#
98 115.5 49.8 74.8#





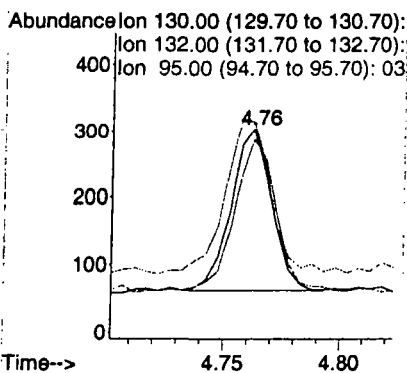
#9
1,4-Difluorobenzene
Concen: 10.00 ppbv
RT: 4.60 min Scan# 501
Delta R.T. 0.00 min
Lab File: 033.D
Acq: 11 Dec 2007 15:19

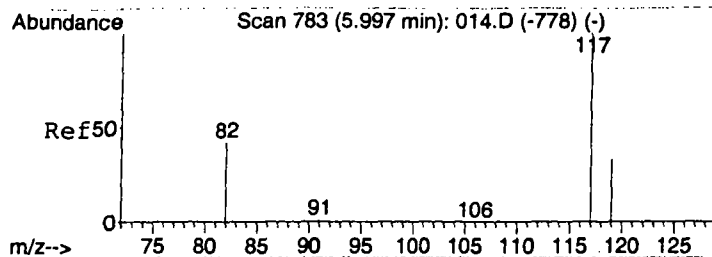
Tgt Ion:114 Resp: 2415
Ion Ratio Lower Upper
114 100
63 19.3 15.4 23.2
88 18.9 11.8 17.6#



#11
Trichloroethene
Concen: 3.18 ppbv
RT: 4.76 min Scan# 524
Delta R.T. -0.00 min
Lab File: 033.D
Acq: 11 Dec 2007 15:19

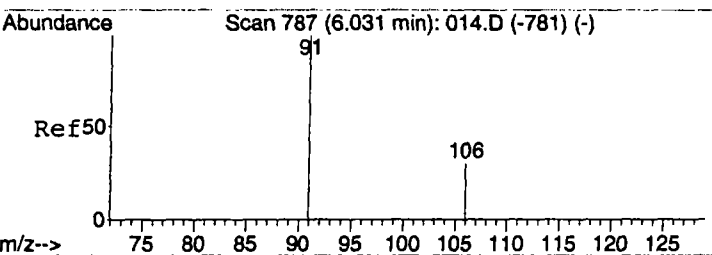
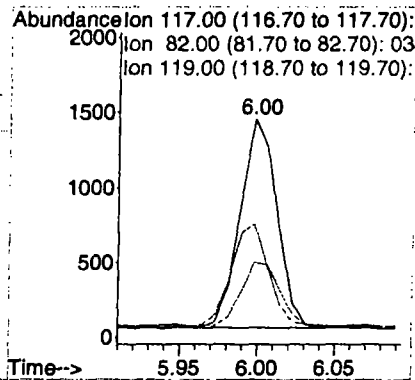
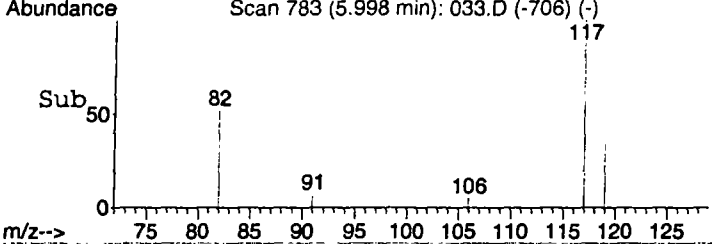
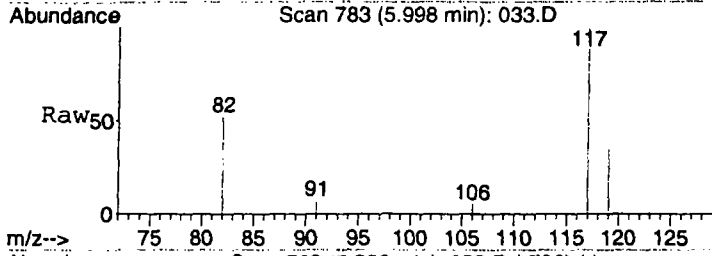
Tgt Ion:130 Resp: 288
Ion Ratio Lower Upper
130 100
132 118.1 74.7 112.1#
95 143.4 75.2 112.8#





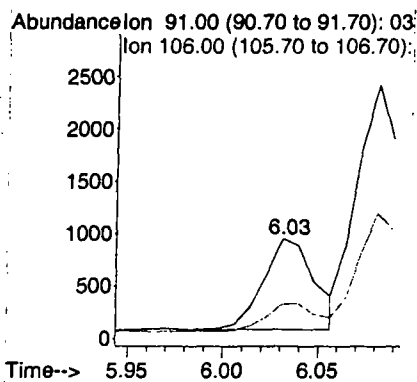
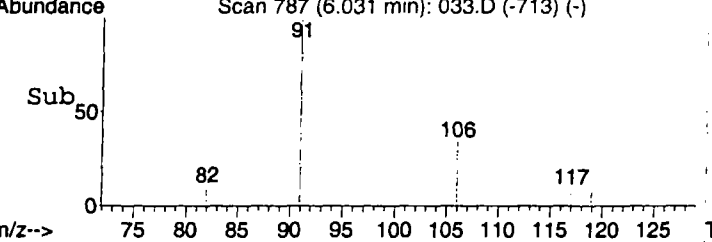
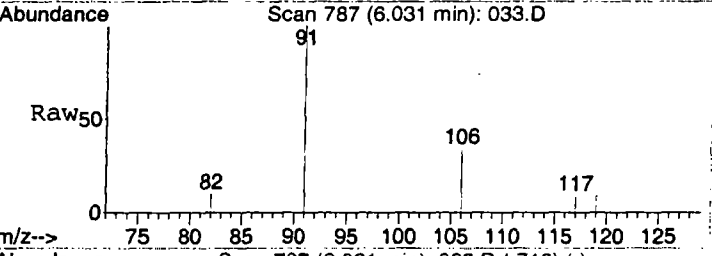
#12
Chlorobenzene-d5
Concen: 10.00 ppbv
RT: 6.00 min Scan# 783
Delta R.T. -0.02 min
Lab File: 033.D
Acq: 11 Dec 2007 15:19

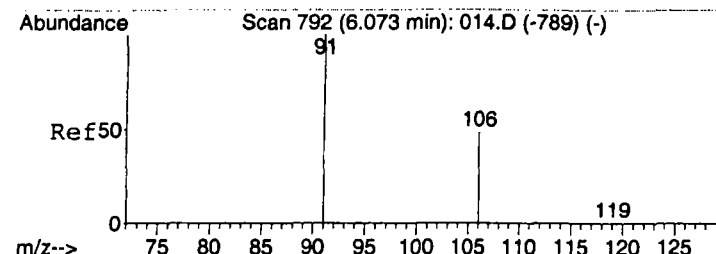
Tgt Ion:	117	Resp:	2290
Ion Ratio	Lower	Upper	
117	100		
82	49.6	41.0	61.6
119	33.3	25.5	38.3



#15
Ethylbenzene
Concen: 7.78 ppbv
RT: 6.03 min Scan# 787
Delta R.T. -0.02 min
Lab File: 033.D
Acq: 11 Dec 2007 15:19

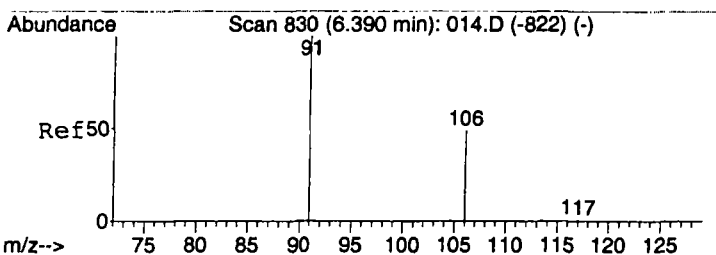
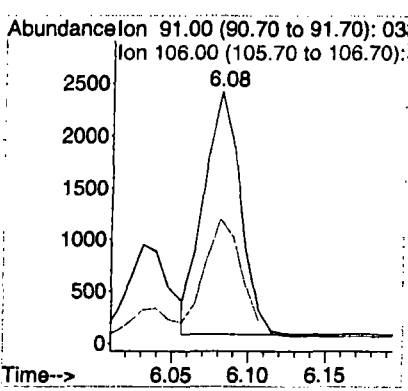
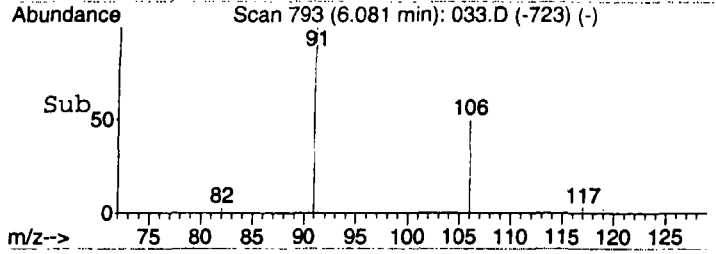
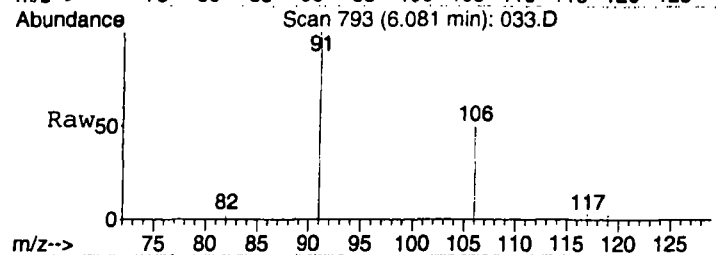
Tgt Ion:	91	Resp:	1623
Ion Ratio	Lower	Upper	
91	100		
106	30.8	22.5	33.7





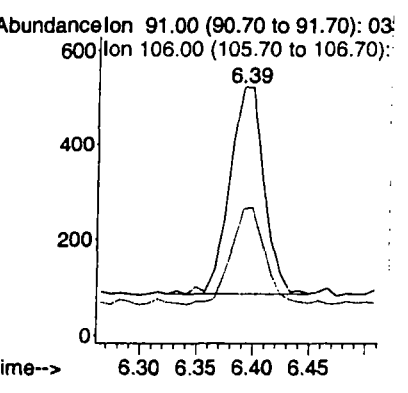
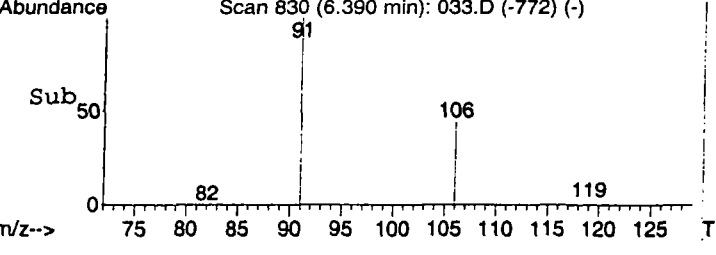
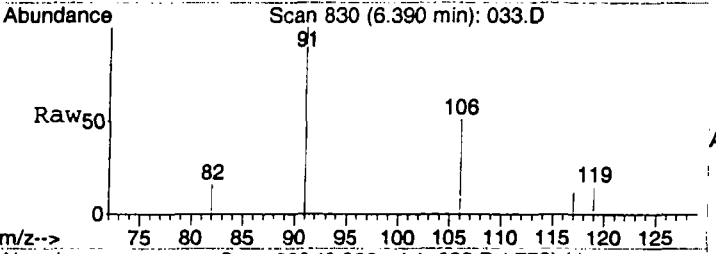
#16
 m&p-Xylenes
 Concen: 25.91 ppbv
 RT: 6.08 min Scan# 793
 Delta R.T. -0.02 min
 Lab File: 033.D
 Acq: 11 Dec 2007 15:19

Tgt Ion: 91 Resp: 3899
 Ion Ratio Lower Upper
 91 100
 106 49.6 36.4 54.6



#17
 o-Xylene
 Concen: 5.22 ppbv
 RT: 6.39 min Scan# 830
 Delta R.T. -0.02 min
 Lab File: 033.D
 Acq: 11 Dec 2007 15:19

Tgt Ion: 91 Resp: 925
 Ion Ratio Lower Upper
 91 100
 106 45.8 33.9 50.9



Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\2007\20071211\034.D Vial: 1
Acq On : 11 Dec 2007 15:30 Operator: CWS
Sample : 4449\ between seeps 3 & 4 DUP Inst : Instrumen
Misc : 5 mL\11 Dec 2007 Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Dec 11 15:38:04 2007 Quant Results File: LOOP20071211.RES

Quant Method : C:\MSDCHEM\1...\LOOP20071211.M (RTE Integrator)

Title : VOC

Last Update : Tue Dec 11 11:52:00 2007

Response via : Initial Calibration

DataAcq Meth : LOOPSIMI

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	4.26	49	767m	10.00	ppbv	-0.01
9) 1,4-Difluorobenzene	4.60	114	3260m	10.00	ppbv	0.00
12) Chlorobenzene-d5	6.01	117	3028	10.00	ppbv	0.00

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
7) cis-1,2-Dichloroethene	4.15	61	90m	0.98	ppbv	
11) Trichloroethene	4.76	130	281	2.30	ppbv	# 81
15) Ethylbenzene	6.04	91	1538	5.57	ppbv	94
16) m&p-Xylenes	6.08	91	3889	19.54	ppbv	93
17) o-Xylene	6.40	91	877	3.74	ppbv	94

Data File : C:\MSDCHEM\1\DATA\2007\20071211\034.D

Vial: 1

Acq On : 11 Dec 2007 15:30

Operator: CWS

Sample : 4449\ between seeps 3 & 4 DUP

Inst : Instrumen

Misc : 5 mL\11 Dec 2007

Multiplr: 1.00

MS Integration Params: rteint.p

Quant Time: Dec 11 15:39 2007

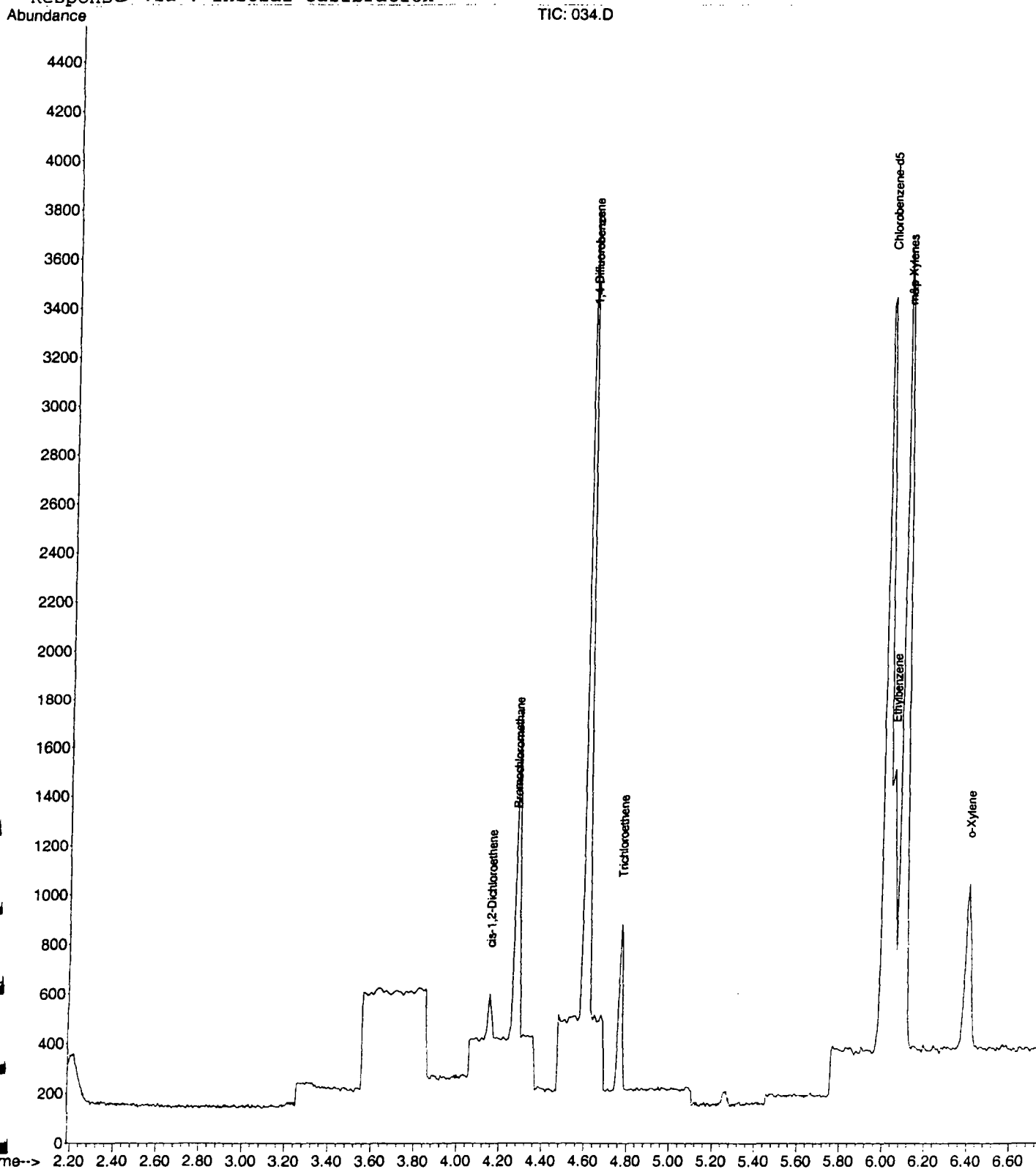
Quant Results File: LOOP20071211.RES

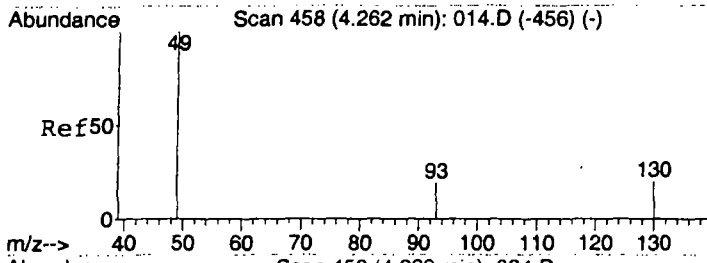
Method : C:\MSDCHEM\1\METHODS\LOOP20071212.M (RTE Integrator)

Title : VOC

Last Update : Tue Dec 18 13:43:01 2007

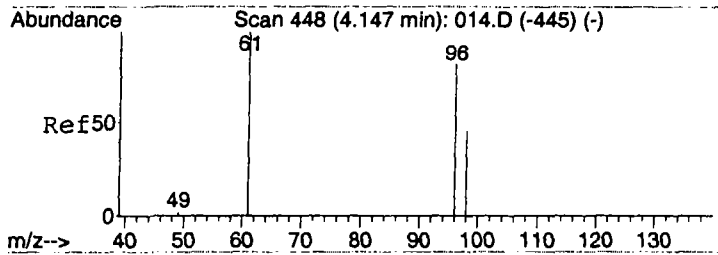
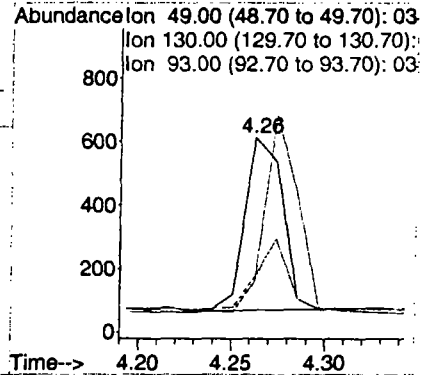
Response via : Initial Calibration





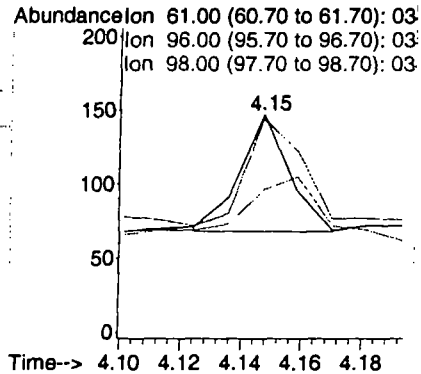
#1
 Bromochloromethane
 Concen: 10.00 ppbv m
 RT: 4.26 min Scan# 458
 Delta R.T. -0.01 min
 Lab File: 034.D
 Acq: 11 Dec 2007 15:30

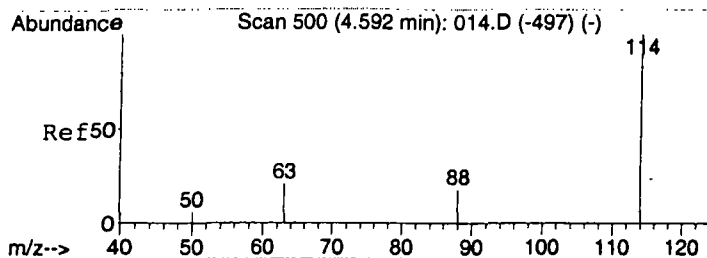
Tgt Ion	49	Resp	767
Ion Ratio	Lower	Upper	
49	100		
130	154.1	105.7	158.5
93	35.2	24.4	36.6



#7
 cis-1,2-Dichloroethene
 Concen: 0.98 ppbv m
 RT: 4.15 min Scan# 448
 Delta R.T. 0.00 min
 Lab File: 034.D
 Acq: 11 Dec 2007 15:30

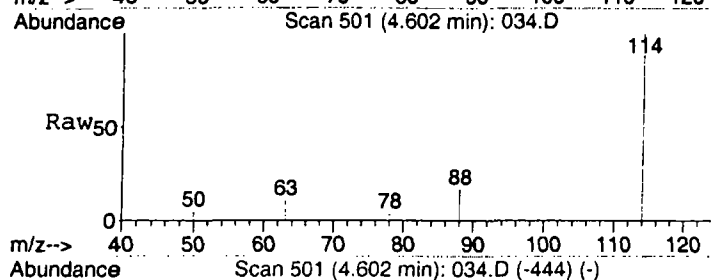
Tgt Ion	61	Resp	90
Ion Ratio	Lower	Upper	
61	100		
96	942.2	64.8	97.2#
98	142.2	49.8	74.8#



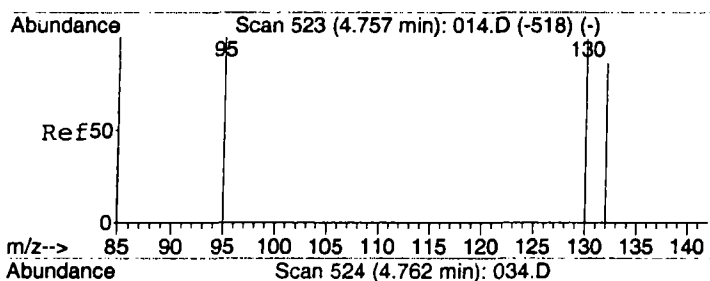
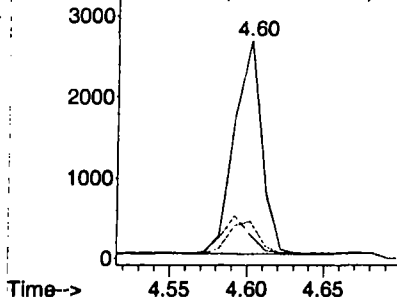


#9
1,4-Difluorobenzene
Concen: 10.00 ppbv m
RT: 4.60 min Scan# 501
Delta R.T. 0.00 min
Lab File: 034.D
Acq: 11 Dec 2007 15:30

Tgt Ion: 114 Resp: 3260
Ion Ratio Lower Upper
114 100
63 17.4 15.4 23.2
88 18.4 11.8 17.6#

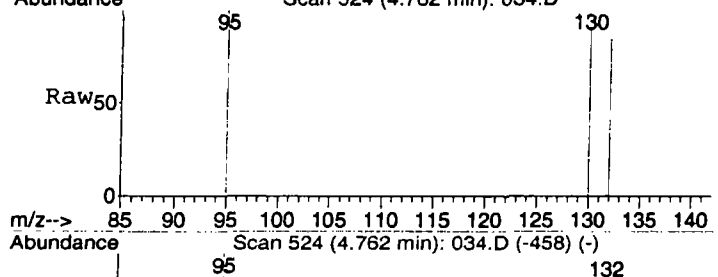


Abundance Ion 114.00 (113.70 to 114.70):
Ion 63.00 (62.70 to 63.70): 03
Ion 88.00 (87.70 to 88.70): 03

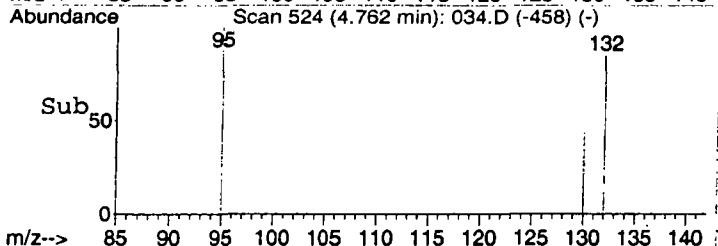
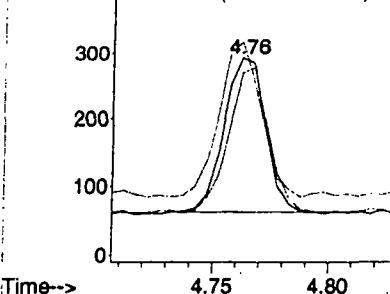


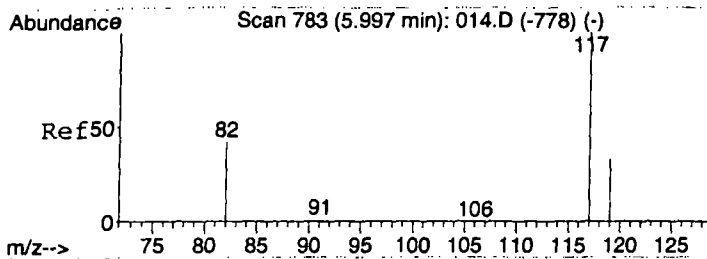
#11
Trichloroethene
Concen: 2.30 ppbv
RT: 4.76 min Scan# 524
Delta R.T. -0.01 min
Lab File: 034.D
Acq: 11 Dec 2007 15:30

Tgt Ion: 130 Resp: 281
Ion Ratio Lower Upper
130 100
132 94.3 74.7 112.1
95 129.2 75.2 112.8#

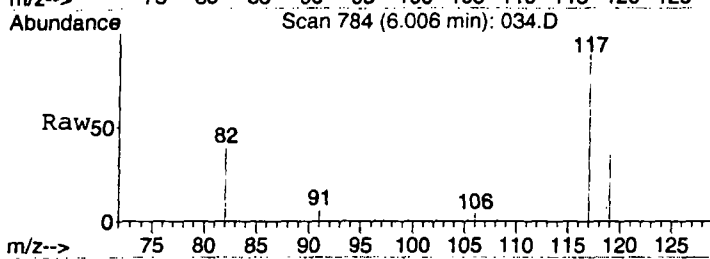


Abundance Ion 130.00 (129.70 to 130.70):
Ion 132.00 (131.70 to 132.70): 03
Ion 95.00 (94.70 to 95.70): 03

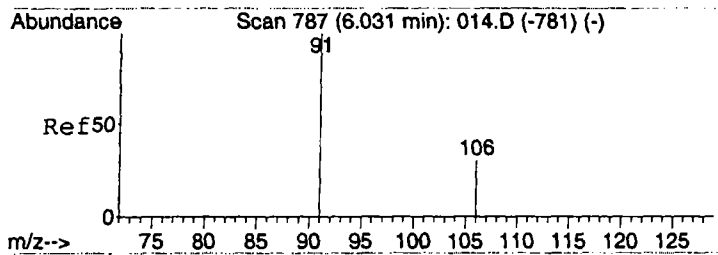
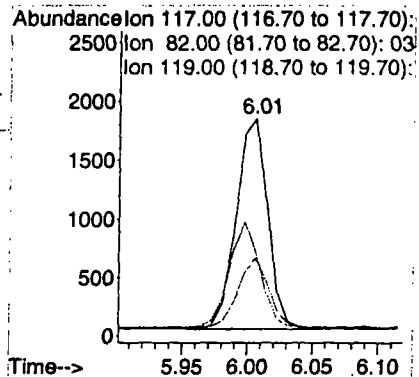
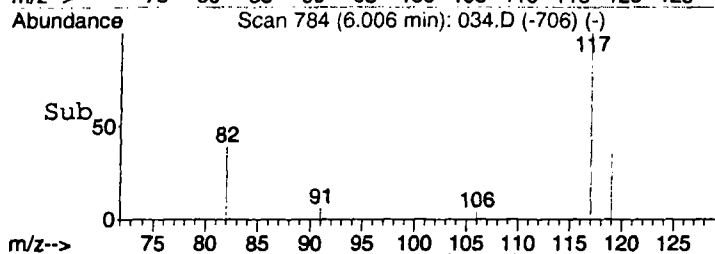




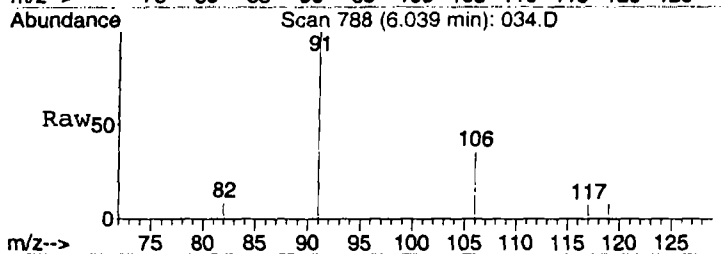
#12
Chlorobenzene-d5
Concen: 10.00 ppbv
RT: 6.01 min Scan# 784
Delta R.T. -0.01 min
Lab File: 034.D
Acq: 11 Dec 2007 15:30



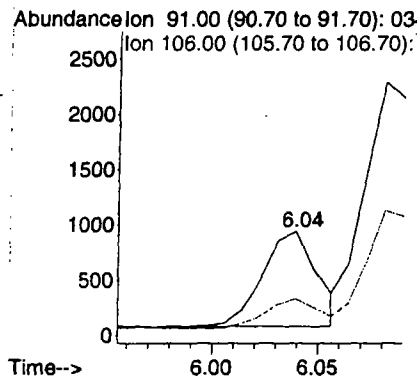
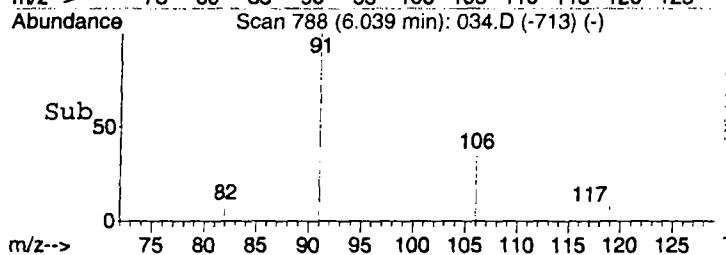
Tgt Ion: 117 Resp: 3028
Ion Ratio Lower Upper
117 100
82 49.8 41.0 61.6
119 33.0 25.5 38.3

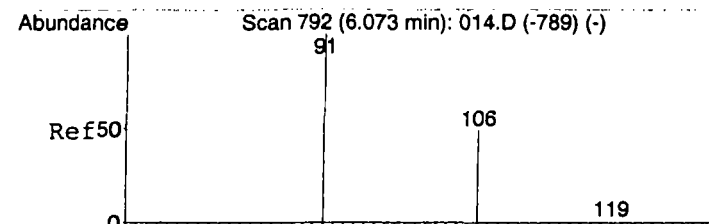


#15
Ethylbenzene
Concen: 5.57 ppbv
RT: 6.04 min Scan# 788
Delta R.T. -0.01 min
Lab File: 034.D
Acq: 11 Dec 2007 15:30



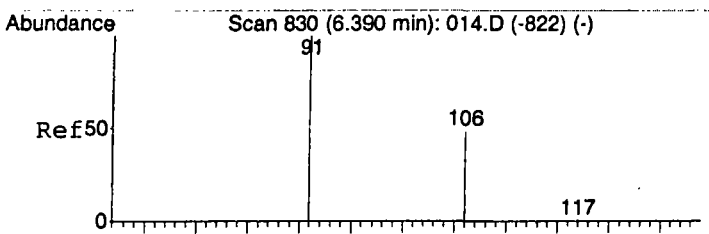
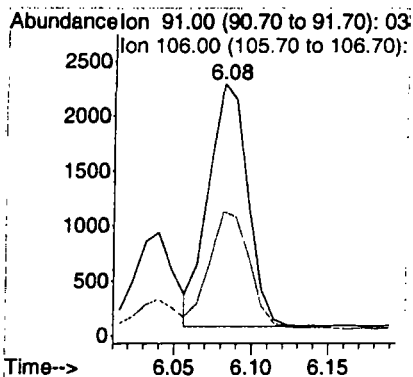
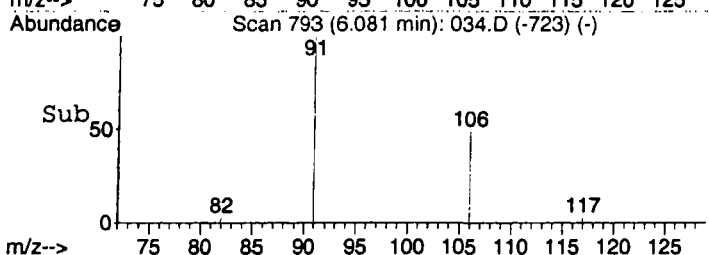
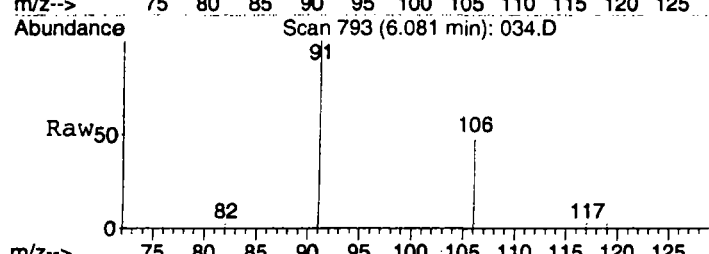
Tgt Ion: 91 Resp: 1538
Ion Ratio Lower Upper
91 100
106 31.1 22.5 33.7





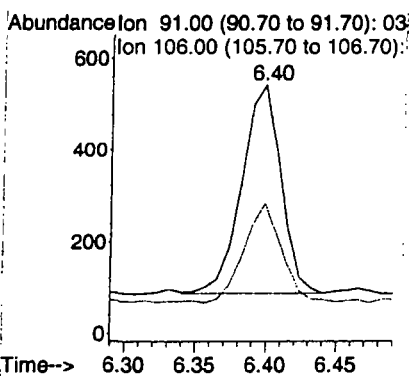
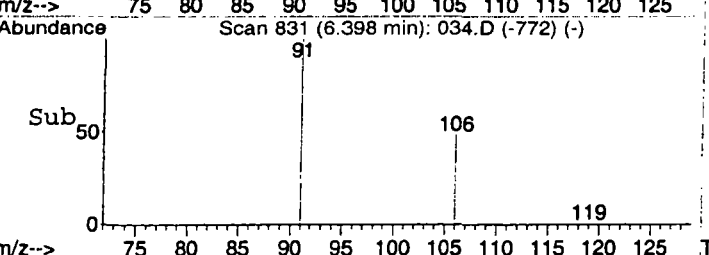
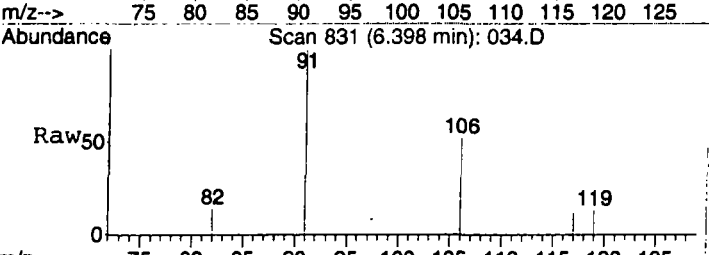
#16
m&p-Xylenes
Concen: 19.54 ppbv
RT: 6.08 min Scan# 793
Delta R.T. -0.02 min
Lab File: 034.D
Acq: 11 Dec 2007 15:30

Tgt Ion: 91 Resp: 3889
Ion Ratio Lower Upper
91 100
106 50.1 36.4 54.6



#17
o-Xylene
Concen: 3.74 ppbv
RT: 6.40 min Scan# 831
Delta R.T. -0.01 min
Lab File: 034.D
Acq: 11 Dec 2007 15:30

Tgt Ion: 91 Resp: 877
Ion Ratio Lower Upper
91 100
106 46.3 33.9 50.9



Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\2007\20071211\035.D Vial: 1
Acq On : 11 Dec 2007 16:20 Operator: CWS
Sample : 4451\ MGS1 Inst : Instrumen
Misc : 5 mL\11 Dec 2007 Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Dec 11 16:27:26 2007 Quant Results File: LOOP20071211.RES

Quant Method : C:\MSDCHEM\1...\LOOP20071211.M (RTE Integrator)
Title : VOC
Last Update : Tue Dec 11 11:52:00 2007
Response via : Initial Calibration
DataAcq Meth : LOOPSIMI

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	4.26	49	598	10.00	ppbv	-0.01
9) 1,4-Difluorobenzene	4.59	114	2276m	10.00	ppbv	0.00
12) Chlorobenzene-d5	5.99	117	2310	10.00	ppbv	-0.02

Target Compounds Qvalue

Data File : C:\MSDCHEM\1\DATA\2007\20071211\035.D

Vial: 1

Acq On : 11 Dec 2007 16:20

Operator: CWS

Sample : 4451\ MSGS1

Inst : Instrumen

Misc : 5 mL\11 Dec 2007

Multiplr: 1.00

MS Integration Params: rteint.p

Quant Time: Dec 11 16:28 2007

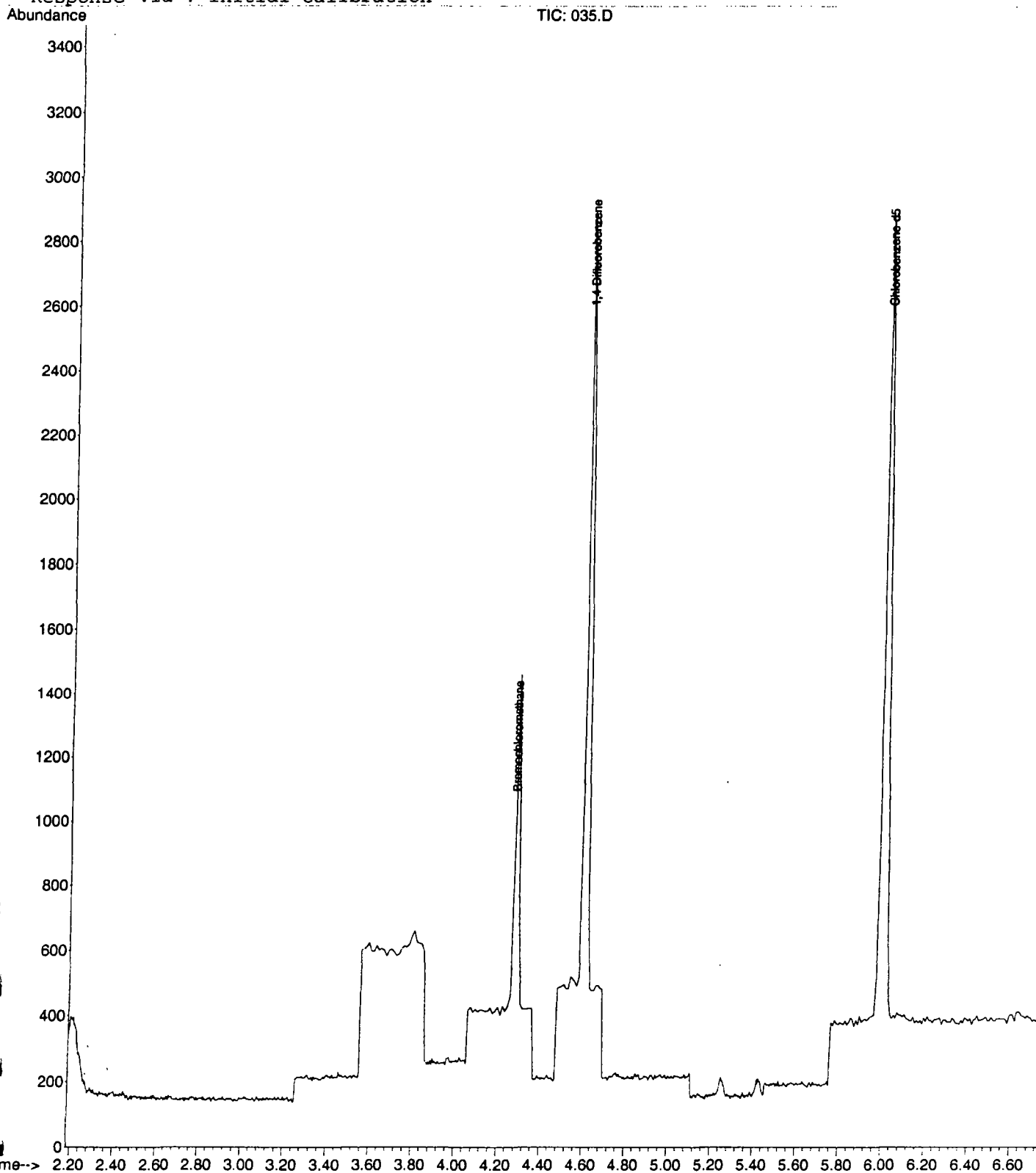
Quant Results File: LOOP20071211.RES

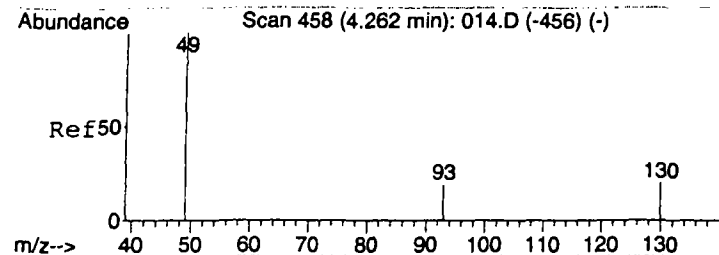
Method : C:\MSDCHEM\1\METHODS\LOOP20071212.M (RTE Integrator)

Title : VOC

Last Update : Tue Dec 18 13:43:01 2007

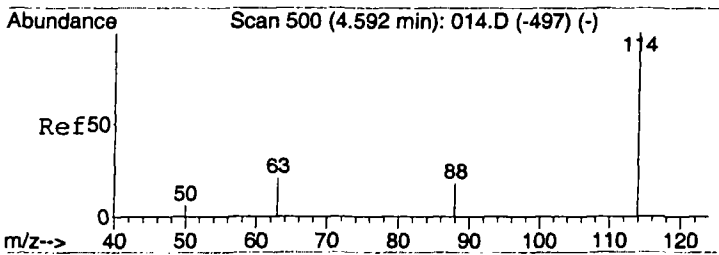
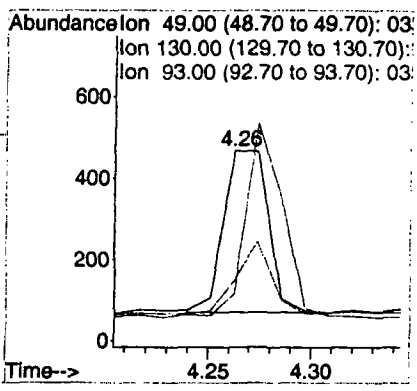
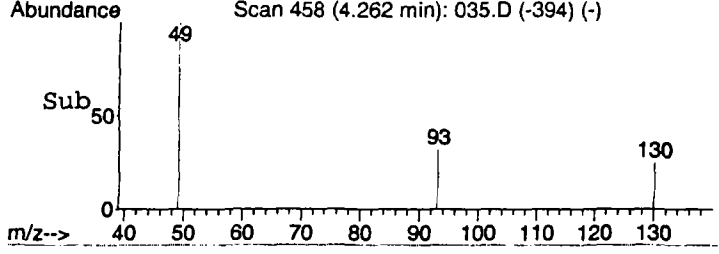
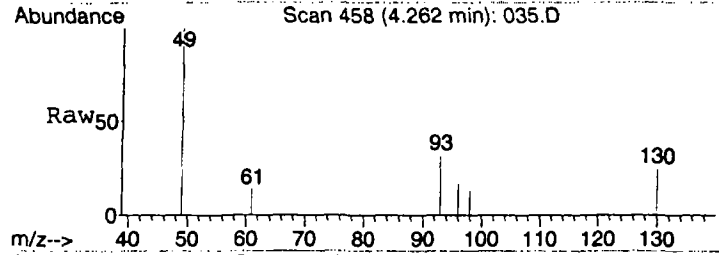
Response via : Initial Calibration





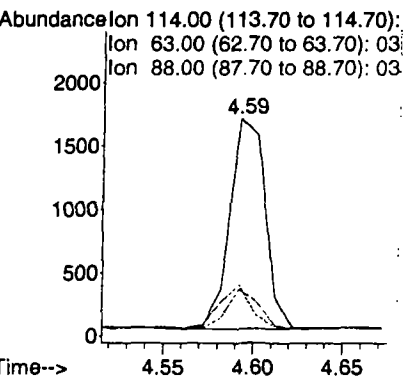
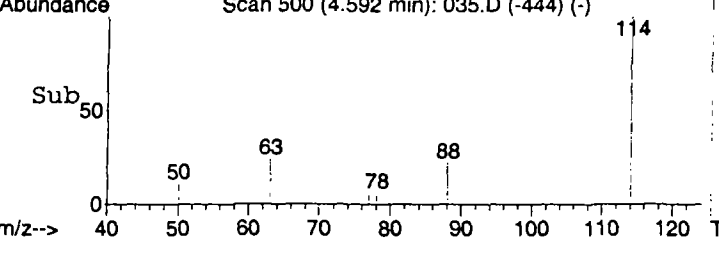
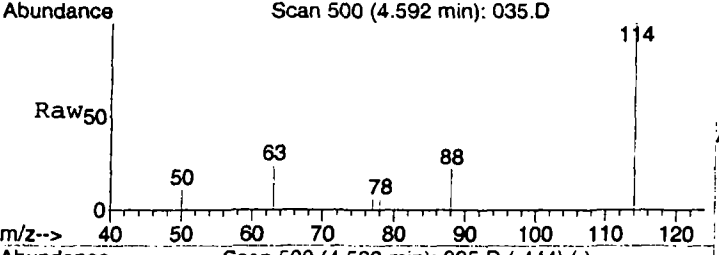
#1
 Bromochloromethane
 Concen: 10.00 ppbv
 RT: 4.26 min Scan# 458
 Delta R.T. -0.01 min
 Lab File: 035.D
 Acq: 11 Dec 2007 16:20

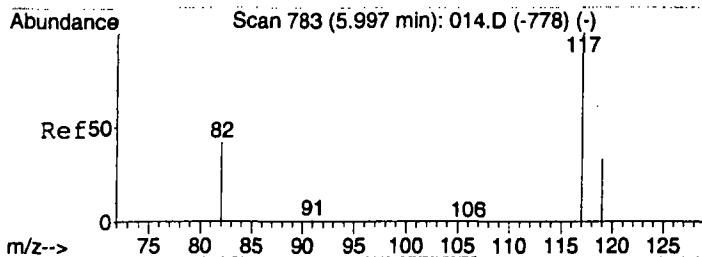
Tgt Ion:	49	Resp:	598
Ion Ratio	Lower	Upper	
49	100		
130	167.2	105.7	158.5#
93	35.8	24.4	36.6



#9
 1,4-Difluorobenzene
 Concen: 10.00 ppbv m
 RT: 4.59 min Scan# 500
 Delta R.T. -0.01 min
 Lab File: 035.D
 Acq: 11 Dec 2007 16:20

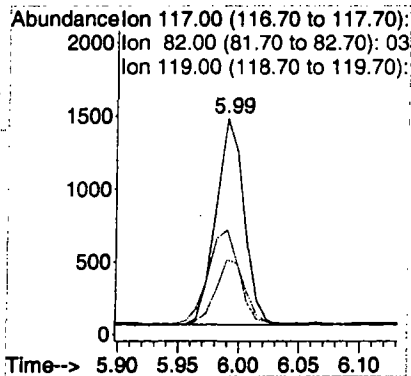
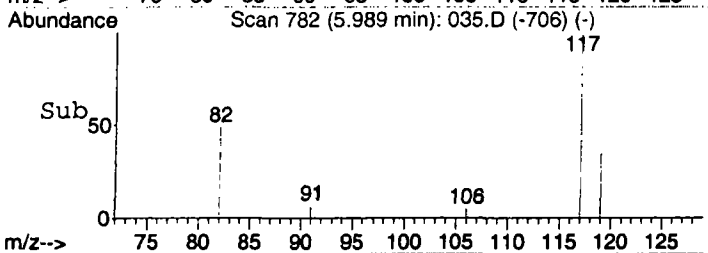
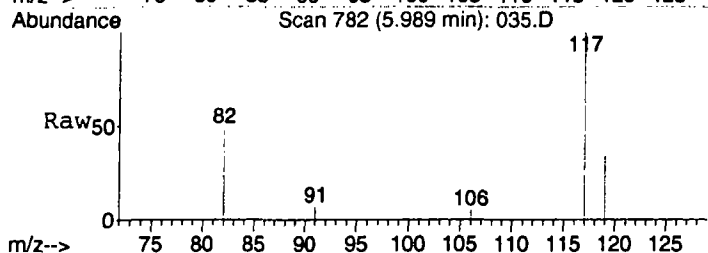
Tgt Ion:	114	Resp:	2276
Ion Ratio	Lower	Upper	
114	100		
63	19.9	15.4	23.2
88	20.0	11.8	17.6#





#12
 Chlorobenzene-d5
 Concen: 10.00 ppbv
 RT: 5.99 min Scan# 782
 Delta R.T. -0.02 min
 Lab File: 035.D
 Acq: 11 Dec 2007 16:20

Tgt Ion: 117 Resp: 2310
 Ion Ratio Lower Upper
 117 100
 82 50.1 41.0 61.6
 119 32.6 25.5 38.3



Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\2007\20071211\036.D Vial: 1
Acq On : 11 Dec 2007 16:31 Operator: CWS
Sample : 4452\ MSGS2 Inst : Instrumen
Misc : 5 mL\11 Dec 2007 Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Dec 11 16:38:16 2007 Quant Results File: LOOP20071211.RES

Quant Method : C:\MSDCHEM\1...\LOOP20071211.M (RTE Integrator)

Title : VOC

Last Update : Tue Dec 11 11:52:00 2007

Response via : Initial Calibration

DataAcq Meth : LOOPSIMI

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	4.26	49	588m	10.00	ppbv	-0.01
9) 1,4-Difluorobenzene	4.60	114	2279	10.00	ppbv	0.00
12) Chlorobenzene-d5	6.00	117	2208	10.00	ppbv	-0.02

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
10) Benzene	4.54	78	175m	1.12	ppbv	
11) Trichloroethene	4.76	130	3478m	40.68	ppbv	
13) Toluene	5.26	91	211	1.05	ppbv	98

Data File : C:\MSDCHEM\1\DATA\2007\20071211\036.D

Vial: 1

Acq On : 11 Dec 2007 16:31

Operator: CWS

Sample : 4452\ MSGS2

Inst : Instrumen

Misc : 5 mL\11 Dec 2007

Multiplr: 1.00

MS Integration Params: rteint.p

Quant Time: Dec 11 16:41 2007

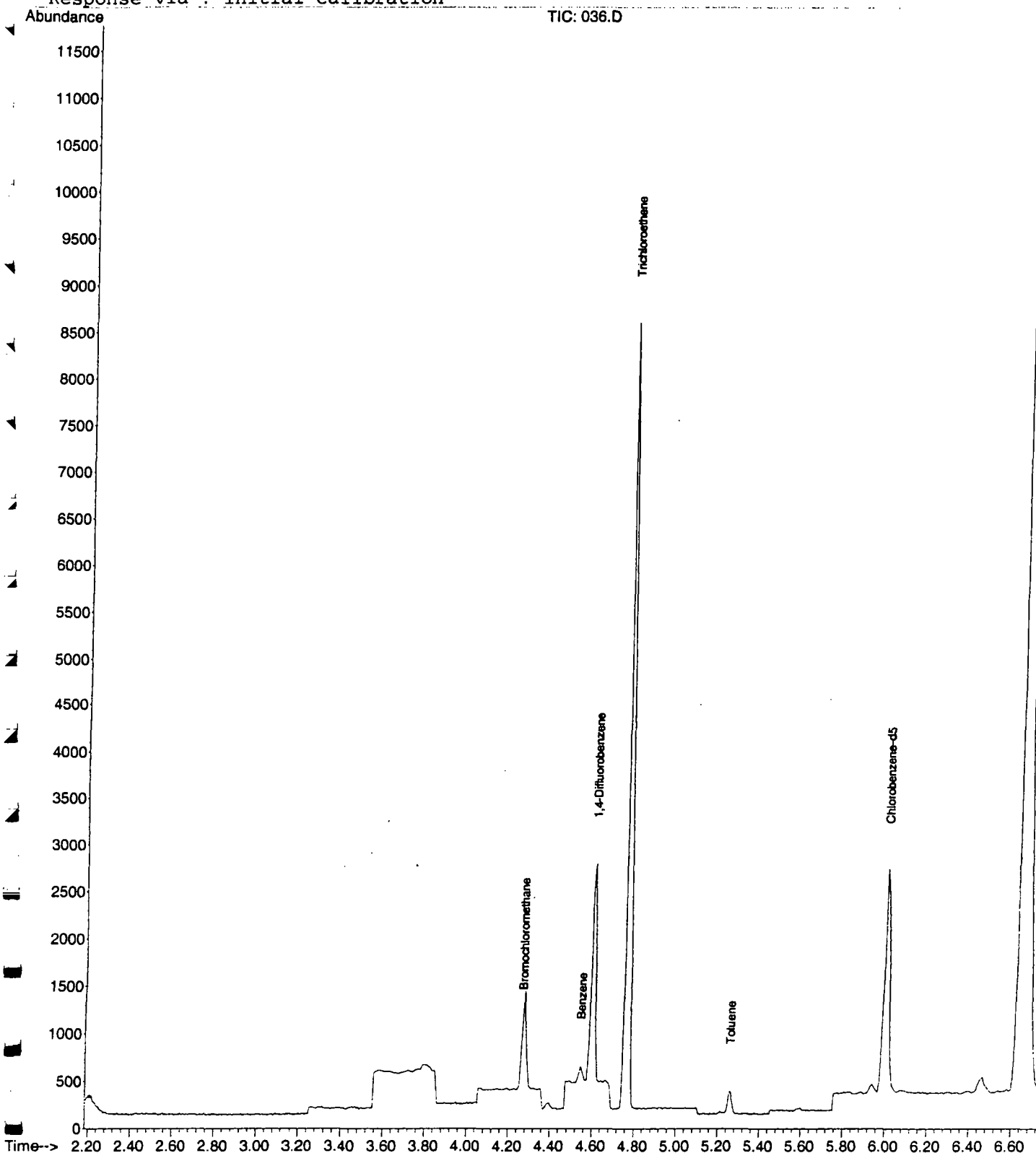
Quant Results File: LOOP20071211.RES

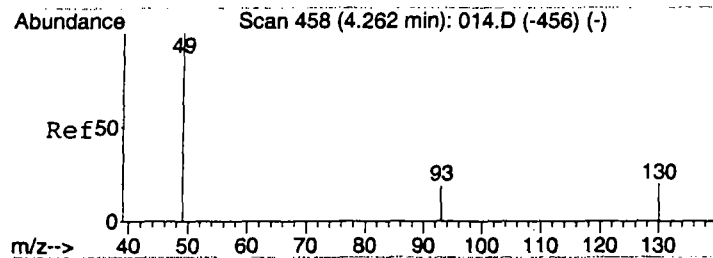
Method : C:\MSDCHEM\1\METHODS\LOOP20071212.M (RTE Integrator)

Title : VOC

Last Update : Tue Dec 18 13:43:01 2007

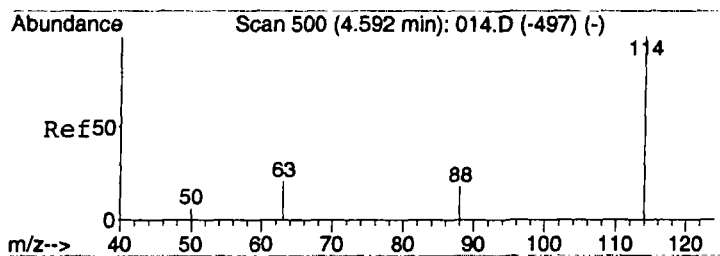
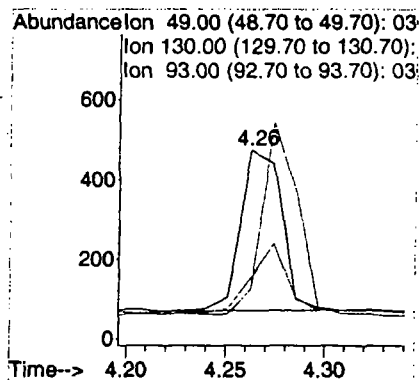
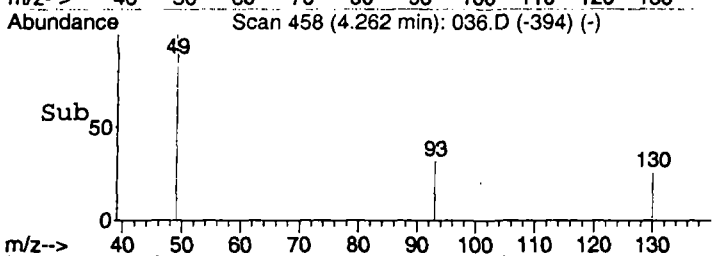
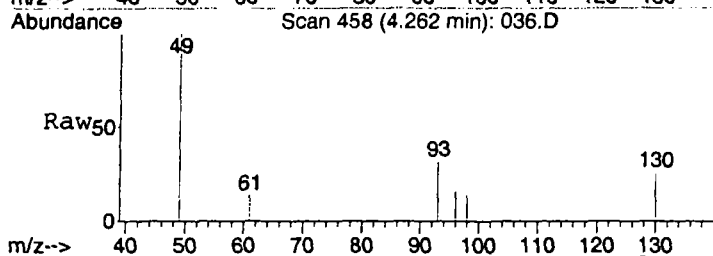
Response via : Initial Calibration





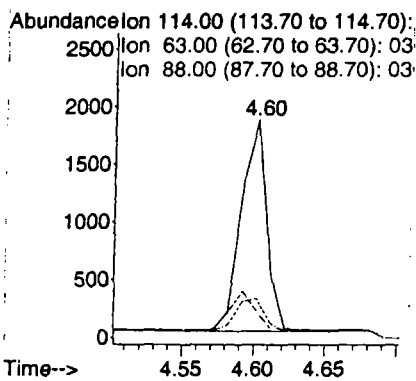
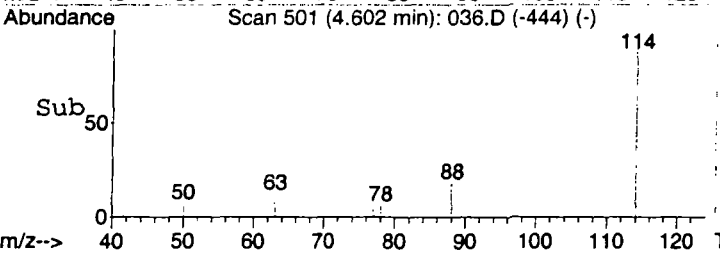
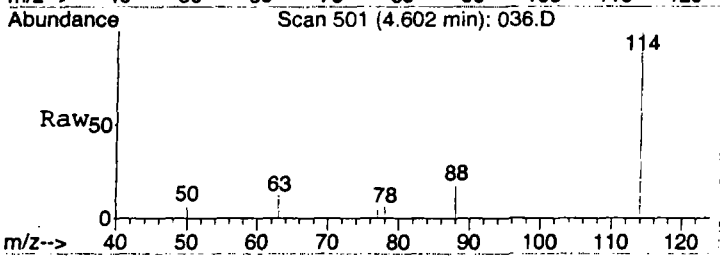
#1
Bromochloromethane
Concen: 10.00 ppbv m
RT: 4.26 min Scan# 458
Delta R.T. -0.01 min
Lab File: 036.D
Acq: 11 Dec 2007 16:31

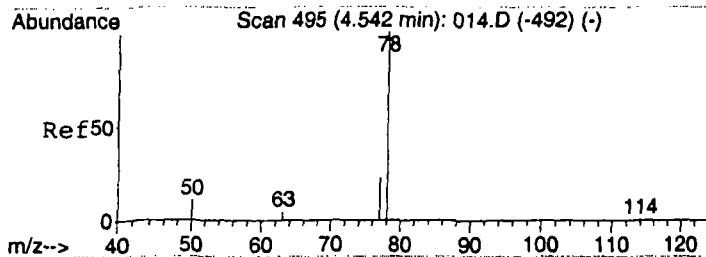
Tgt Ion: 49 Resp: 588
Ion Ratio Lower Upper
49 100
130 165.6 105.7 158.5#
93 111.1 24.4 36.6#



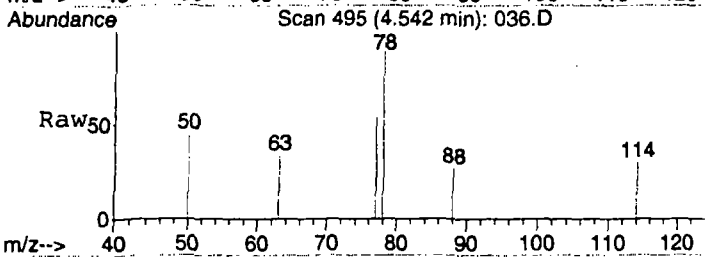
#9
1,4-Difluorobenzene
Concen: 10.00 ppbv
RT: 4.60 min Scan# 501
Delta R.T. 0.00 min
Lab File: 036.D
Acq: 11 Dec 2007 16:31

Tgt Ion: 114 Resp: 2279
Ion Ratio Lower Upper
114 100
63 17.7 15.4 23.2
88 20.3 11.8 17.6#

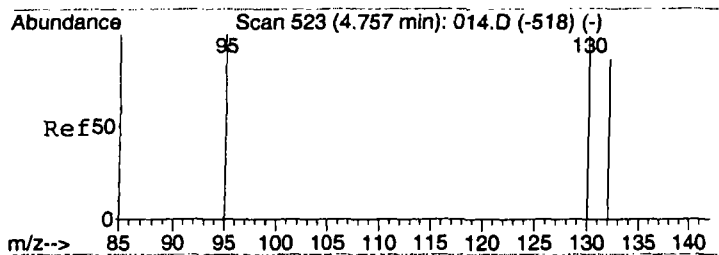
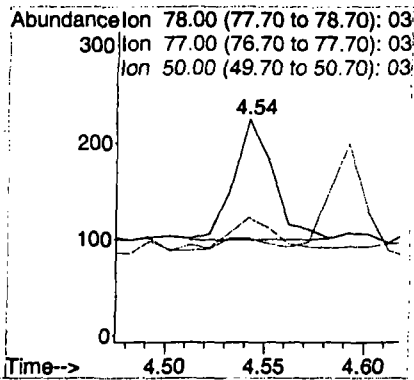
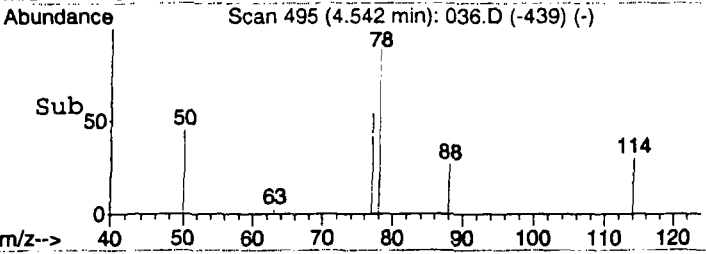




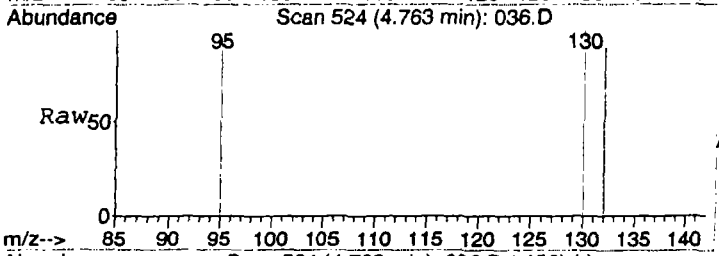
#10
Benzene
Concen: 1.12 ppbv m
RT: 4.54 min Scan# 495
Delta R.T. -0.01 min
Lab File: 036.D
Acq: 11 Dec 2007 16:31



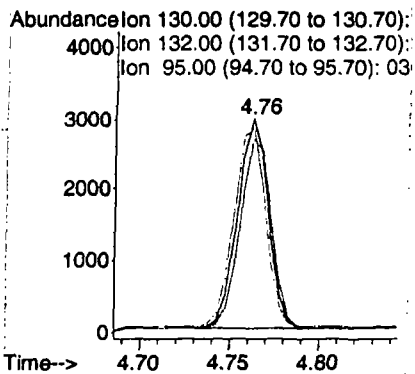
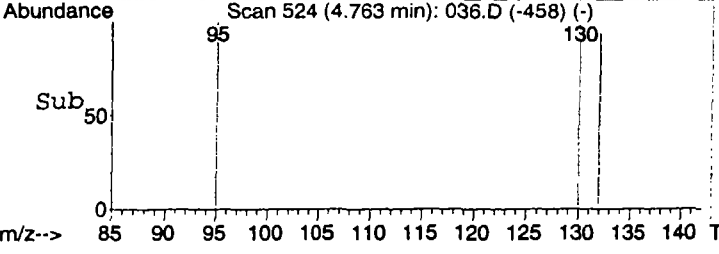
Tgt Ion: 78 Resp: 175
Ion Ratio Lower Upper
78 100
77 67.4 20.5 30.7#
50 113.7 15.9 23.9#

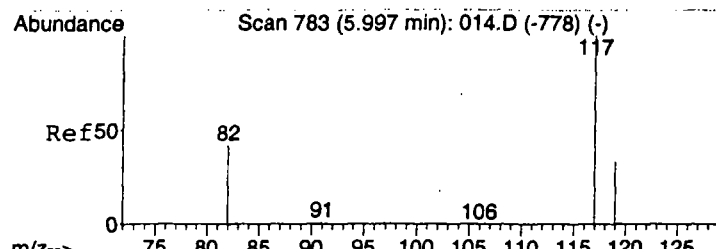


#11
Trichloroethene
Concen: 40.68 ppbv m
RT: 4.76 min Scan# 524
Delta R.T. -0.00 min
Lab File: 036.D
Acq: 11 Dec 2007 16:31

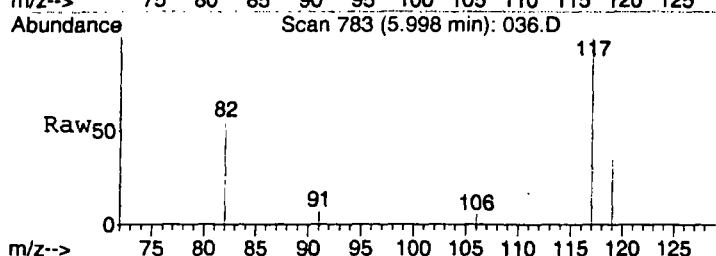


Tgt Ion: 130 Resp: 3478
Ion Ratio Lower Upper
130 100
132 94.2 74.7 112.1
95 99.9 75.2 112.8

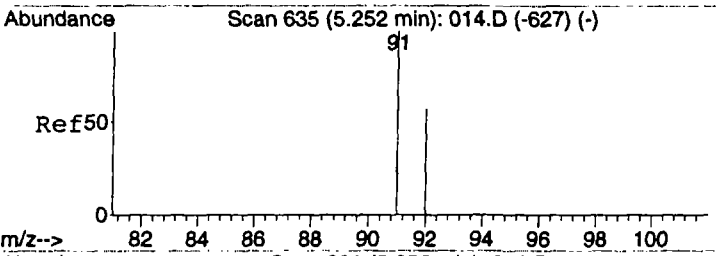
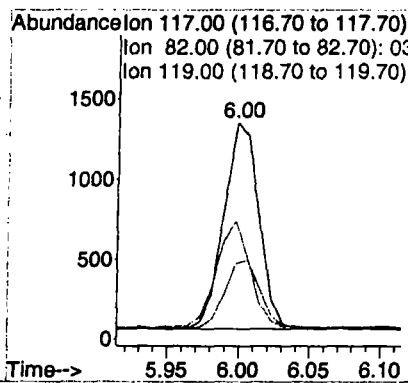
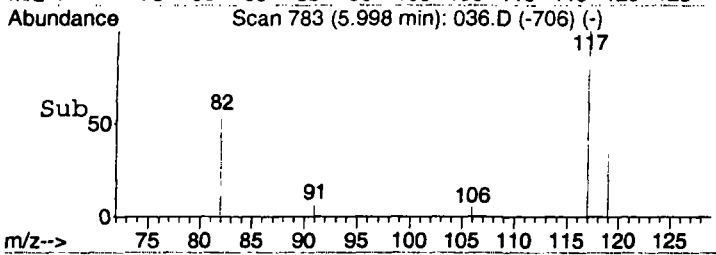




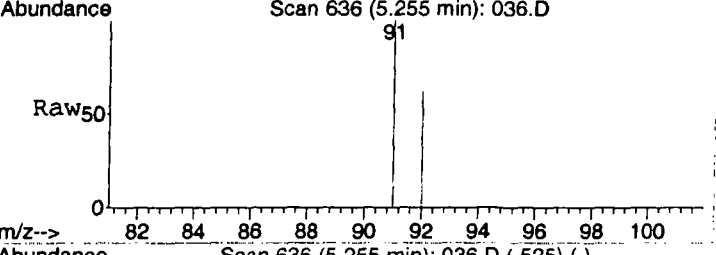
#12
Chlorobenzene-d5
Concen: 10.00 ppbv
RT: 6.00 min Scan# 783
Delta R.T. -0.02 min
Lab File: 036.D
Acq: 11 Dec 2007 16:31



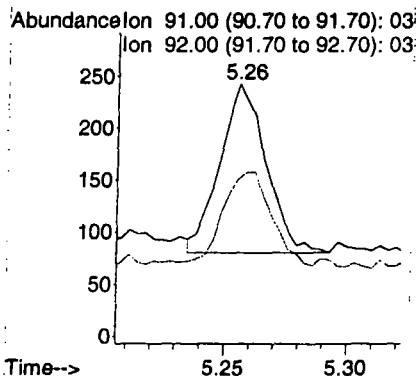
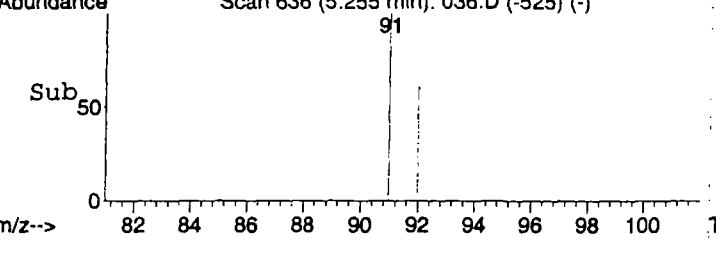
Tgt Ion: 117 Resp: 2208
Ion Ratio Lower Upper
117 100
82 49.3 41.0 61.6
119 33.3 25.5 38.3



#13
Toluene
Concen: 1.05 ppbv
RT: 5.26 min Scan# 636
Delta R.T. -0.01 min
Lab File: 036.D
Acq: 11 Dec 2007 16:31



Tgt Ion: 91 Resp: 211
Ion Ratio Lower Upper
91 100
92 56.9 46.9 70.3



Data File : C:\MSDCHEM\1\DATA\2007\20071211\037.D Vial: 1
Acq On : 11 Dec 2007 16:43 Operator: CWS
Sample : 4453\ MSGS3 Inst : Instrumen
Misc : 5 mL\11 Dec 2007 Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Dec 11 17:22:18 2007 Quant Results File: LOOP20071211.RES

Quant Method : C:\MSDCHEM\1...\LOOP20071211.M (RTE Integrator)
Title : VOC
Last Update : Tue Dec 11 11:52:00 2007
Response via : Initial Calibration
DataAcq Meth : LOOPSIMI

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	4.26	49	666	10.00	ppbv	-0.01
9) 1,4-Difluorobenzene	4.59	114	2335m	10.00	ppbv	0.00
12) Chlorobenzene-d5	5.99	117	2430	10.00	ppbv	-0.02

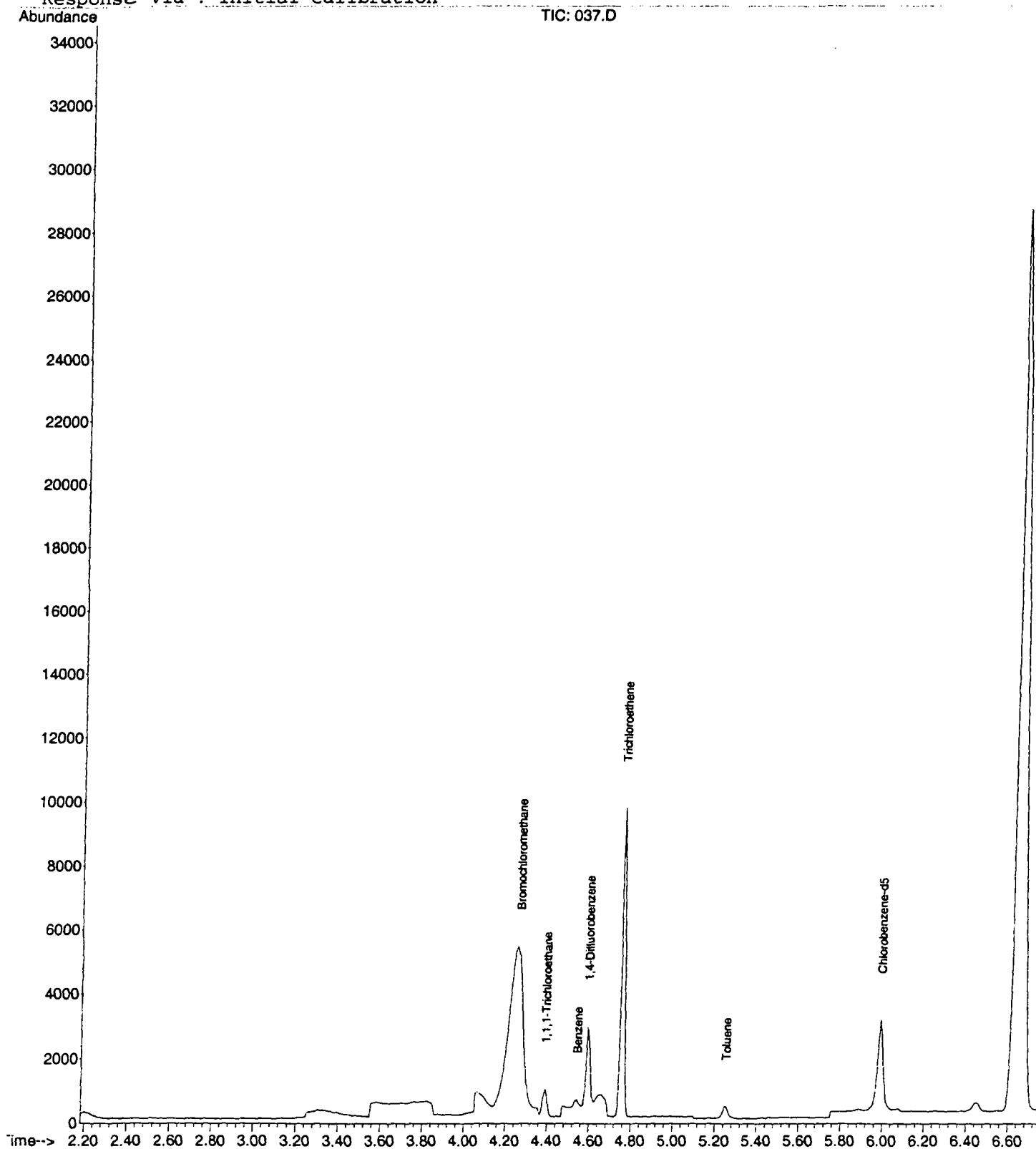
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
8) 1,1,1-Trichloroethane	4.39	97	627m	4.68	ppbv	
10) Benzene	4.54	78	216m	1.35	ppbv	
11) Trichloroethene	4.76	130	3904m	44.56	ppbv	
13) Toluene	5.25	91	474m	2.15	ppbv	

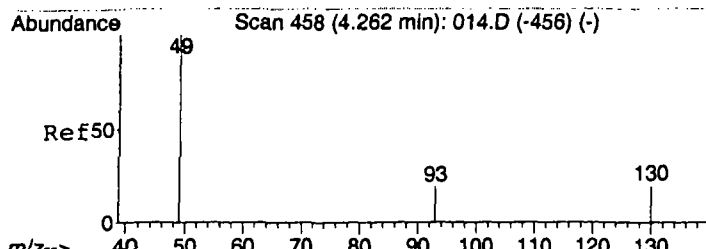
Data File : C:\MSDCHEM\1\DATA\2007\20071211\037.D
Acq On : 11 Dec 2007 16:43
Sample : 4453\ MGSG3
Misc : 5 mL\11 Dec 2007
MS Integration Params: rteint.p
Quant Time: Dec 19 11:13 2007

Vial: 1
Operator: CWS
Inst : Instrumen
Multiplr: 1.00

Quant Results File: LOOP20071211.RES

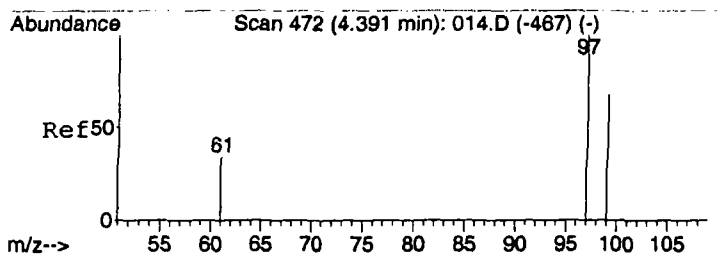
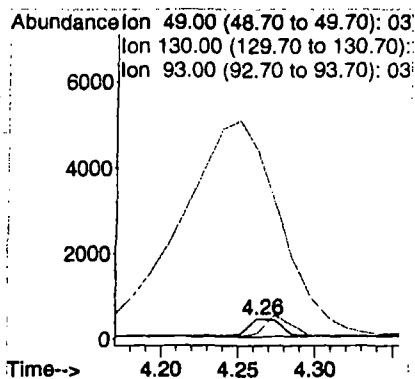
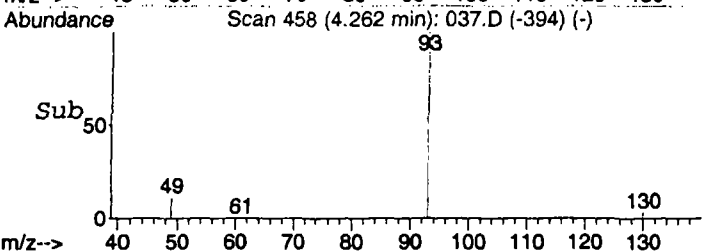
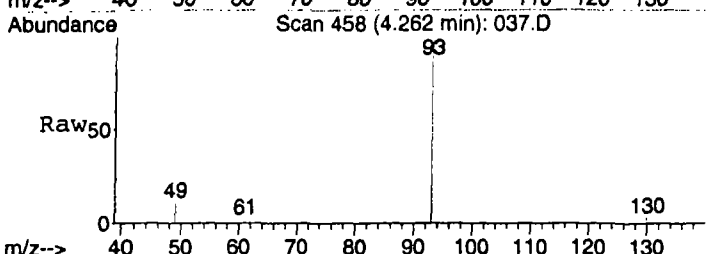
Method : C:\MSDCHEM\1\METHODS\LOOP20071212.M (RTE Integrator)
Title : VOC
Last Update : Wed Dec 19 11:03:31 2007
Response via : Initial Calibration





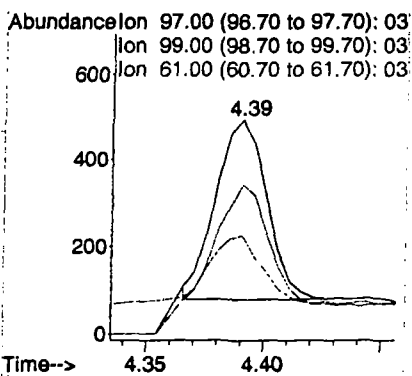
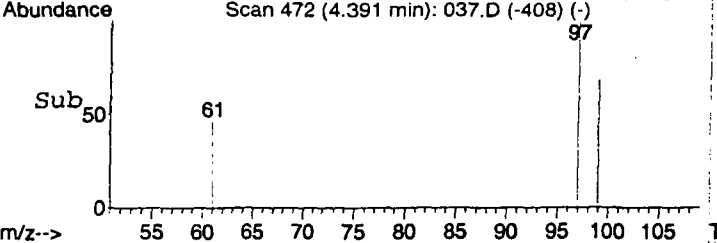
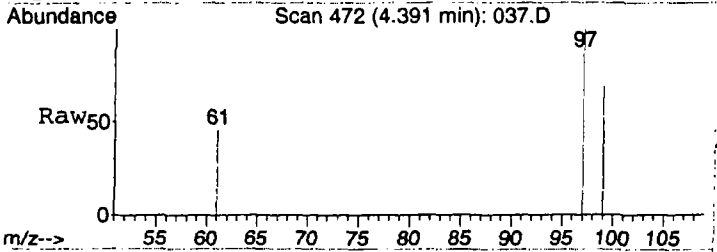
#1
 Bromochloromethane
 Concen: 10.00 ppbv
 RT: 4.26 min Scan# 458
 Delta R.T. -0.01 min
 Lab File: 037.D
 Acq: 11 Dec 2007 16:43

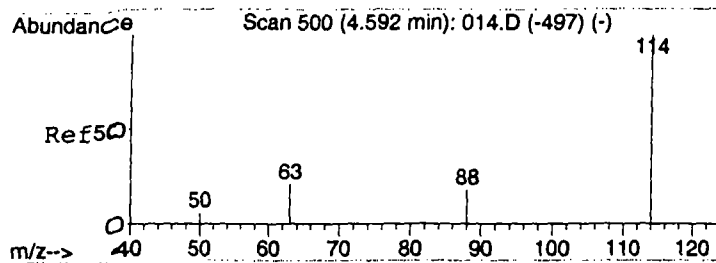
Tgt Ion: 49 Resp: 666
 Ion Ratio Lower Upper
 49 100
 130 90.1 105.7 158.5#
 93 3489.0 24.4 36.6#



#8
 1,1,1-Trichloroethane
 Concen: 4.68 ppbv m
 RT: 4.39 min Scan# 472
 Delta R.T. -0.00 min
 Lab File: 037.D
 Acq: 11 Dec 2007 16:43

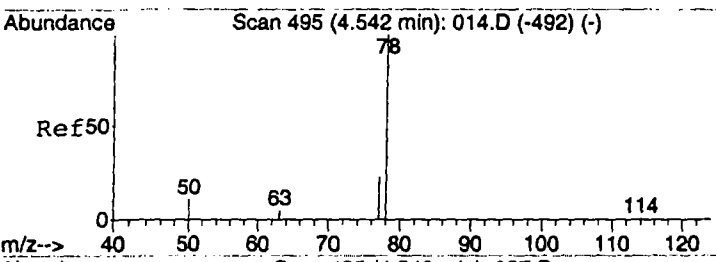
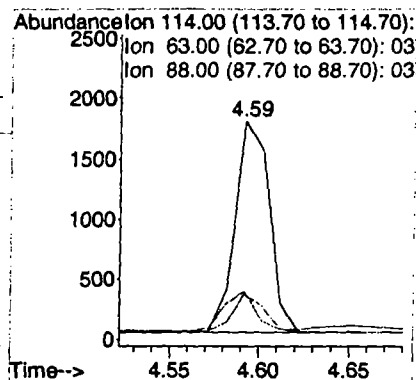
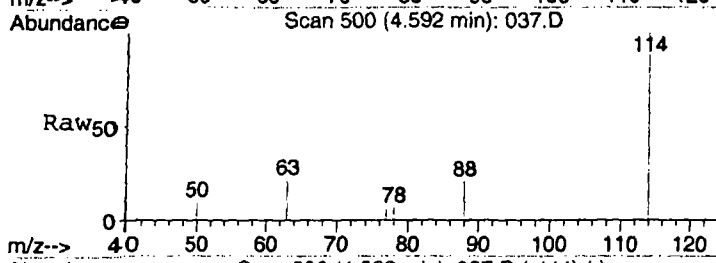
Tgt Ion: 97 Resp: 627
 Ion Ratio Lower Upper
 97 100
 99 134.6 52.2 78.2#
 61 45.9 34.6 51.8





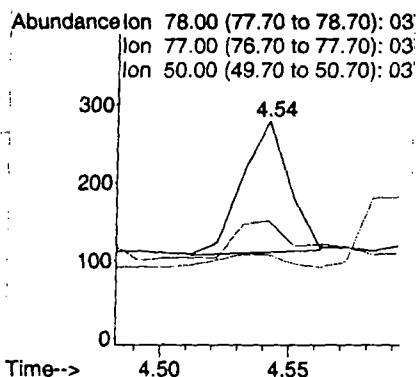
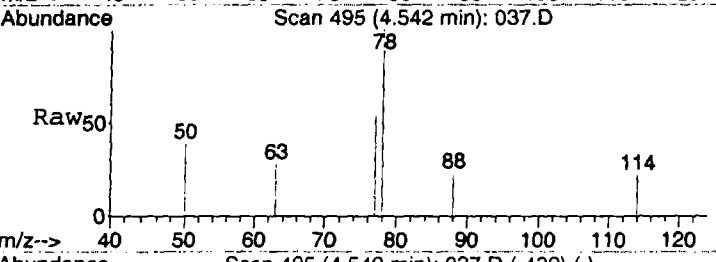
#9
1,4-Difluorobenzene
Concen: 10.00 ppbv m
RT: 4.59 min Scan# 500
Delta R.T. -0.01 min
Lab File: 037.D
Acq: 11 Dec 2007 16:43

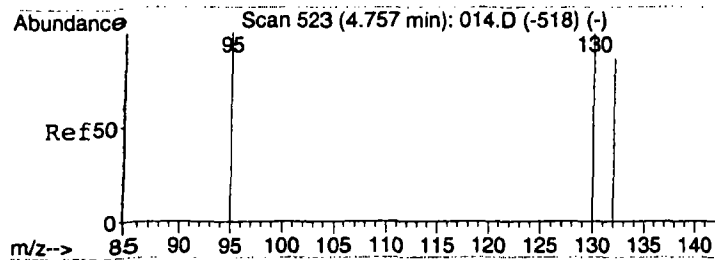
Tgt Ion	Ratio	Lower	Upper
114	100		
63	30.9	15.4	23.2#
88	17.6	11.8	17.6



#10
Benzene
Concen: 1.35 ppbv m
RT: 4.54 min Scan# 495
Delta R.T. -0.01 min
Lab File: 037.D
Acq: 11 Dec 2007 16:43

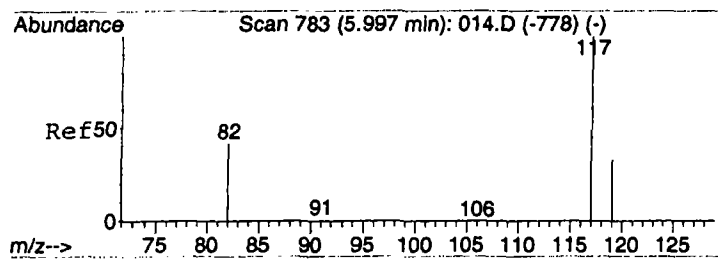
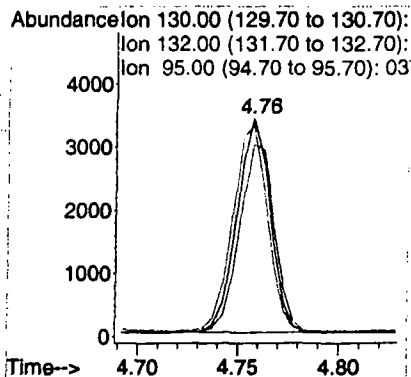
Tgt Ion	Ratio	Lower	Upper
78	100		
77	212.5	20.5	30.7#
50	244.4	15.9	23.9#





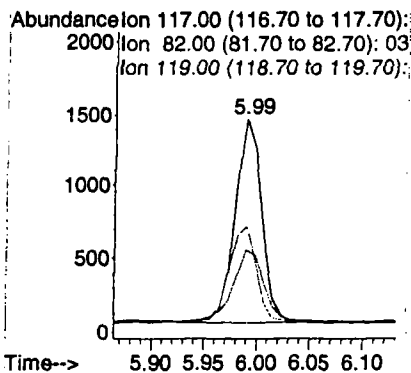
#11
Trichloroethene
Concen: 44.56 ppbv m
RT: 4.76 min Scan# 523
Delta R.T. -0.01 min
Lab File: 037.D
Acq: 11 Dec 2007 16:43

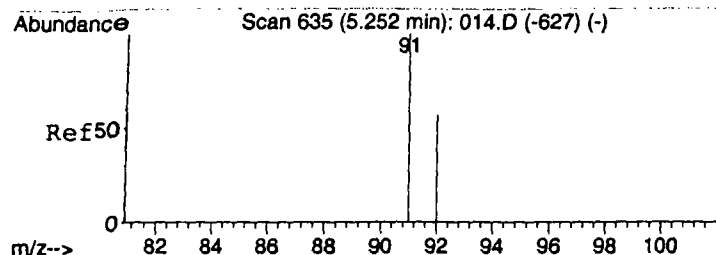
Tgt Ion:130 Resp: 3904
Ion Ratio Lower Upper
130 100
132 94.9 74.7 112.1
95 101.9 75.2 112.8



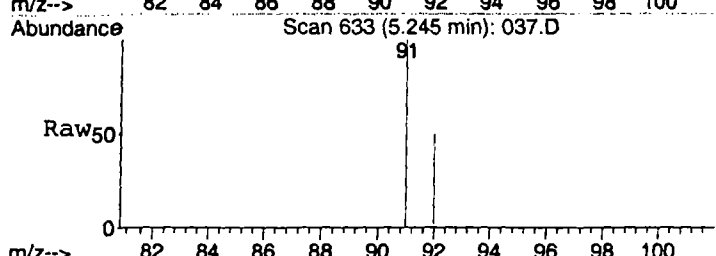
#12
Chlorobenzene-d5
Concen: 10.00 ppbv
RT: 5.99 min Scan# 782
Delta R.T. -0.02 min
Lab File: 037.D
Acq: 11 Dec 2007 16:43

Tgt Ion:117 Resp: 2430
Ion Ratio Lower Upper
117 100
82 47.0 41.0 61.6
119 40.5 25.5 38.3#

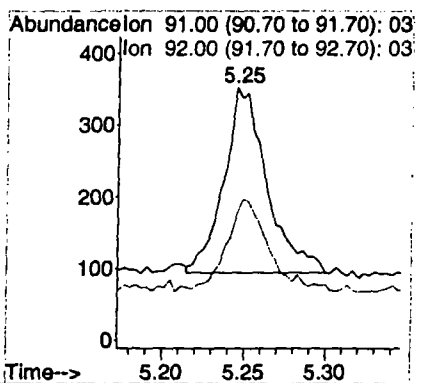
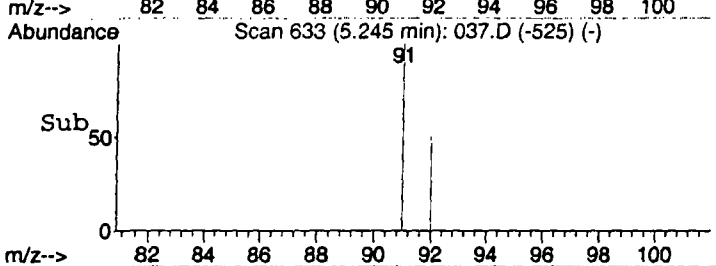




#13
 Toluene
 Concen: 2.15 ppbv m
 RT: 5.25 min Scan# 633
 Delta R.T. -0.02 min
 Lab File: 037.D
 Acq: 11 Dec 2007 16:43



Tgt Ion: 91 Resp: 474
 Ion Ratio Lower Upper
 91 100
 92 14.8 46.9 70.3#



Data File : C:\MSDCHEM\1\DATA\2007\20071211\038.D Vial: 1
 Acq On : 11 Dec 2007 16:59 Operator: CWS
 Sample : 4454\ MGSG4 Inst : Instrumen
 Misc : 5 mL\11 Dec 2007 Multiplr: 1.00
 MS Integration Params: rteint.p
 Quant Time: Dec 11 17:06:41 2007 Quant Results File: LOOP20071211.RES

Quant Method : C:\MSDCHEM\1...\LOOP20071211.M (RTE Integrator)

Title : VOC
 Last Update : Tue Dec 11 11:52:00 2007
 Response via : Initial Calibration
 DataAcq Meth : LOOPSIMI

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	4.27	49	582	10.00	ppbv	0.00
9) 1,4-Difluorobenzene	4.59	114	2414	10.00	ppbv	0.00
12) Chlorobenzene-d5	5.99	117	2311	10.00	ppbv	-0.02

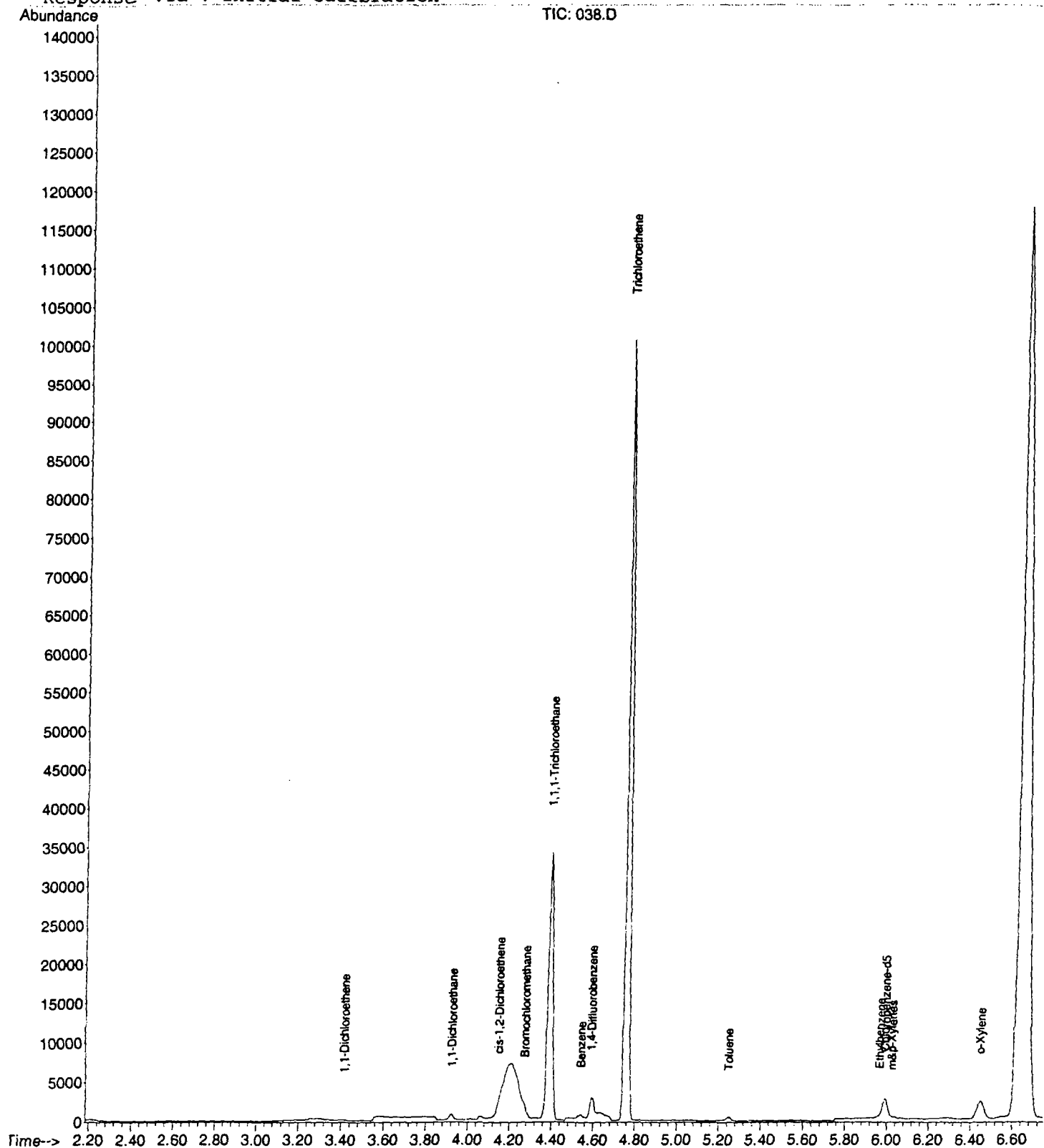
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) 1,1-Dichloroethene	3.41	61	61	0.80	ppbv #	28
6) 1,1-Dichloroethane	3.92	63	674m	7.53	ppbv	
7) cis-1,2-Dichloroethene	4.15	61	402	5.78	ppbv #	75
8) 1,1,1-Trichloroethane	4.39	97	25322m	216.42	ppbv	
10) Benzene	4.54	78	371m	2.25	ppbv	
11) Trichloroethene	4.76	130	41363	456.71	ppbv	97
13) Toluene	5.25	91	569	2.71	ppbv #	80
15) Ethylbenzene	5.96	91	696m	3.30	ppbv	
16) m&p-Xylenes	6.03	91	550m	3.62	ppbv	
17) o-Xylene	6.45	91	4539m	25.38	ppbv	

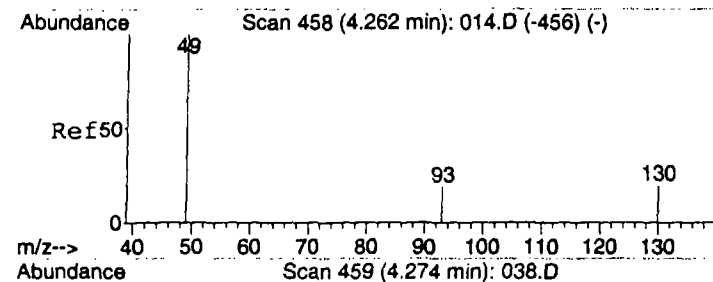
Data File : C:\MSDCHEM\1\DATA\2007\20071211\038.D
Acq On : 11 Dec 2007 16:59
Sample : 4454\ MSGS4
Misc : 5 mL\11 Dec 2007
MS Integration Params: rteint.p
Quant Time: Dec 11 17:11 2007

Vial: 1
Operator: CWS
Inst : Instrumen
Multiplr: 1.00

Quant Results File: LOOP20071211.RES

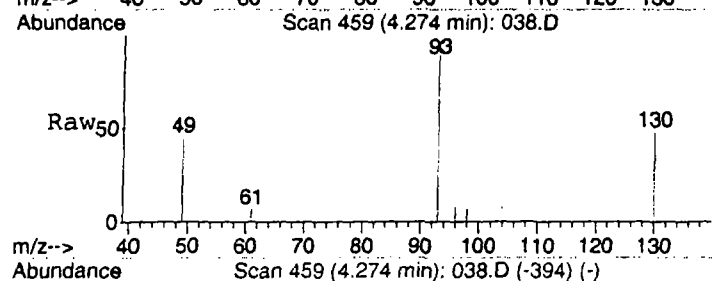
Method : C:\MSDCHEM\1\METHODS\LOOP20071212.M (RTE Integrator)
Title : VOC
Last Update : Tue Dec 18 13:43:01 2007
Response via : Initial Calibration



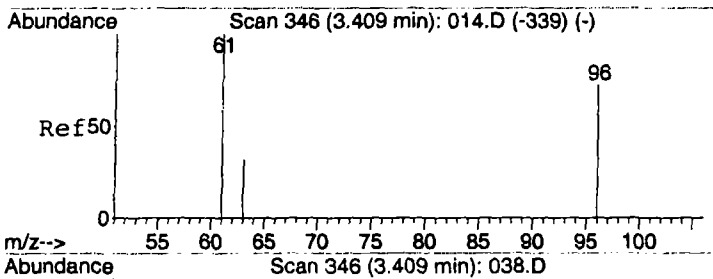
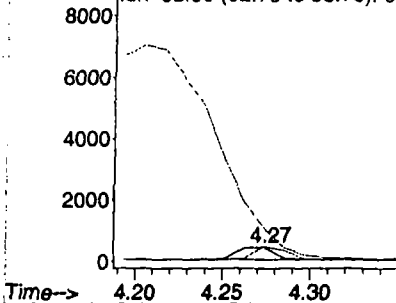


#1
Bromochloromethane
Concen: 10.00 ppbv
RT: 4.27 min Scan# 459
Delta R.T. 0.00 min
Lab File: 038.D
Acq: 11 Dec 2007 16:59

Tgt Ion: 49 Resp: 582
Ion Ratio Lower Upper
49 100
130 0.0 105.7 158.5#
93 6513.1 24.4 36.6#

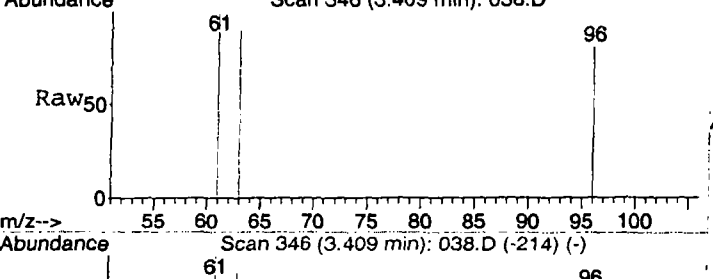


Abundance Ion 49.00 (48.70 to 49.70): 03
Ion 130.00 (129.70 to 130.70): 03
Ion 93.00 (92.70 to 93.70): 03

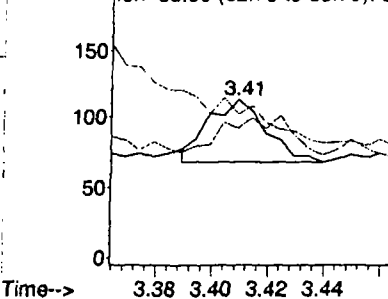


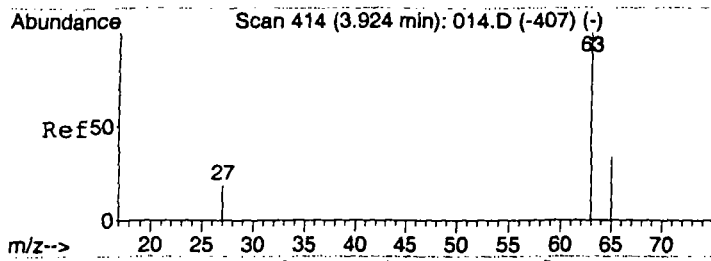
#3
1,1-Dichloroethene
Concen: 0.80 ppbv
RT: 3.41 min Scan# 346
Delta R.T. 0.00 min
Lab File: 038.D
Acq: 11 Dec 2007 16:59

Tgt Ion: 61 Resp: 61
Ion Ratio Lower Upper
61 100
96 0.0 48.4 72.6#
63 0.0 24.4 36.6#

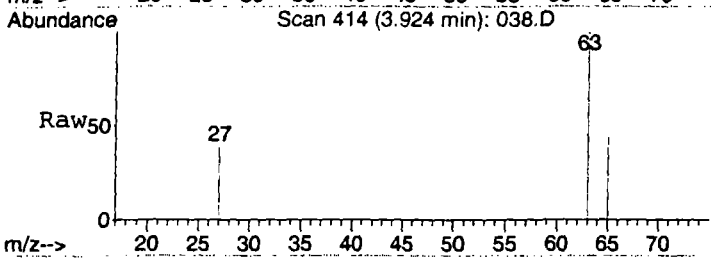


Abundance Ion 61.00 (60.70 to 61.70): 03
Ion 96.00 (95.70 to 96.70): 03
Ion 63.00 (62.70 to 63.70): 03

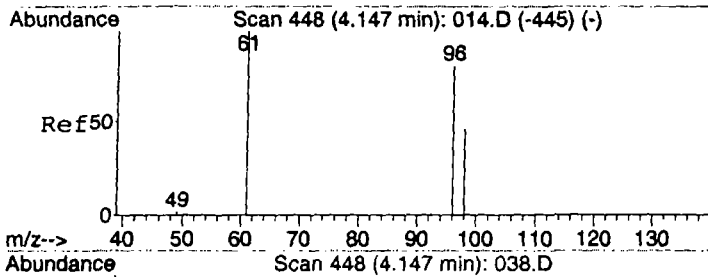
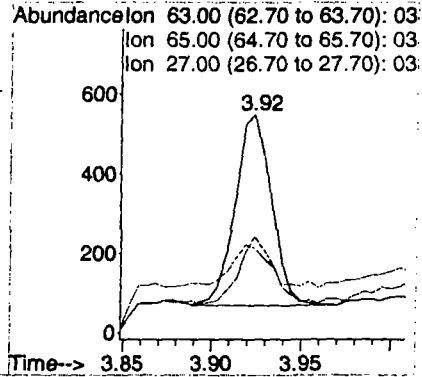
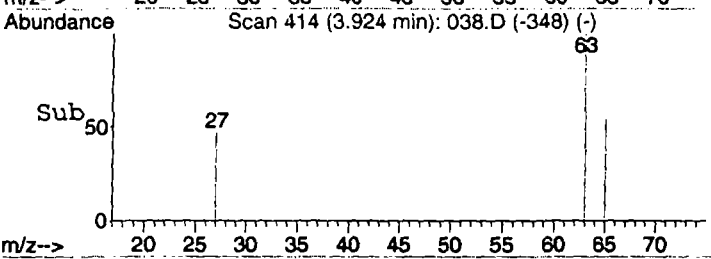




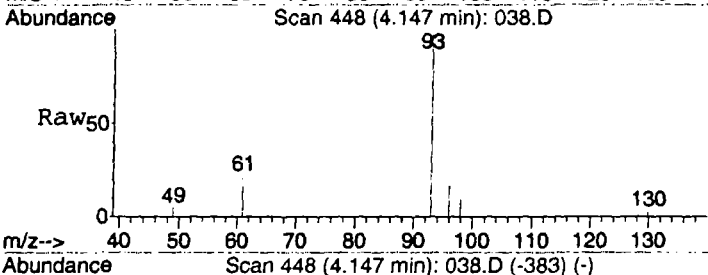
#6
1,1-Dichloroethane
Concen: 7.53 ppbv m
RT: 3.92 min Scan# 414
Delta R.T. 0.01 min
Lab File: 038.D
Acq: 11 Dec 2007 16:59



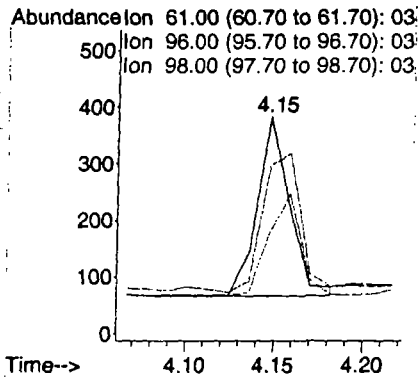
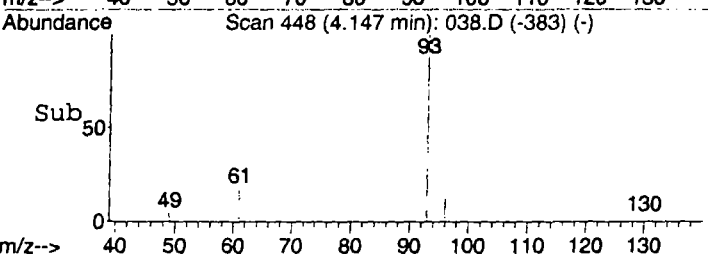
Tgt Ion: 63 Resp: 674
Ion Ratio Lower Upper
63 100
65 42.6 26.5 39.7#
27 33.7 18.0 27.0#

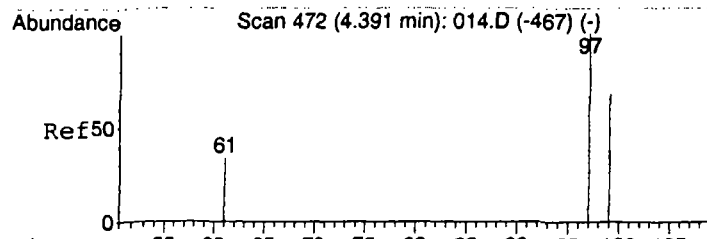


#7
cis-1,2-Dichloroethene
Concen: 5.78 ppbv
RT: 4.15 min Scan# 448
Delta R.T. 0.00 min
Lab File: 038.D
Acq: 11 Dec 2007 16:59

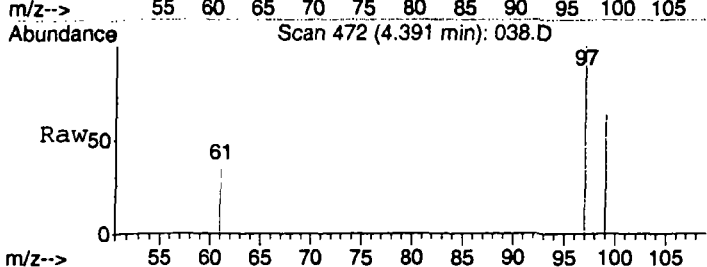


Tgt Ion: 61 Resp: 402
Ion Ratio Lower Upper
61 100
96 112.7 64.8 97.2#
98 71.1 49.8 74.8

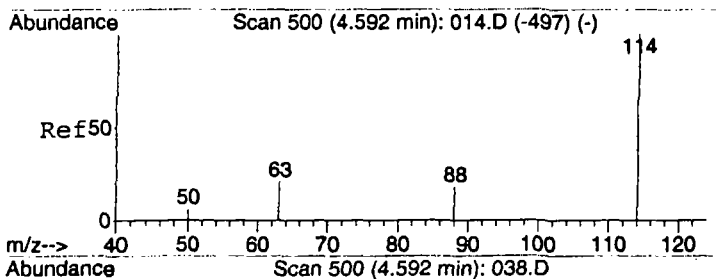
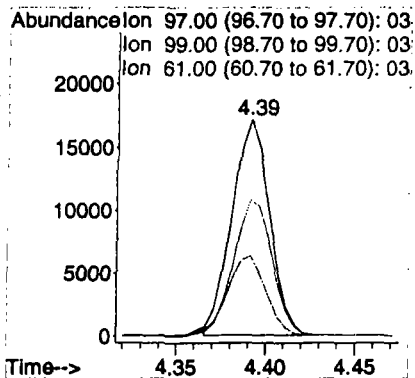
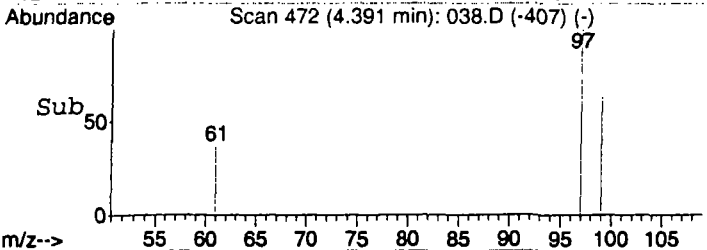




#8
1,1,1-Trichloroethane
Concen: 216.42 ppbv m
RT: 4.39 min Scan# 472
Delta R.T. 0.00 min
Lab File: 038.D
Acq: 11 Dec 2007 16:59

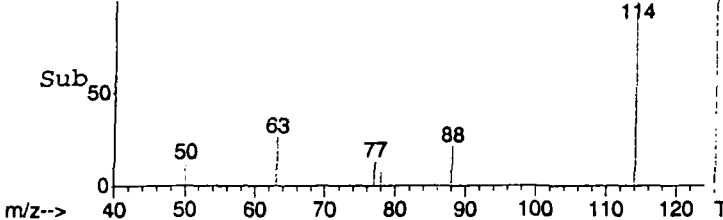
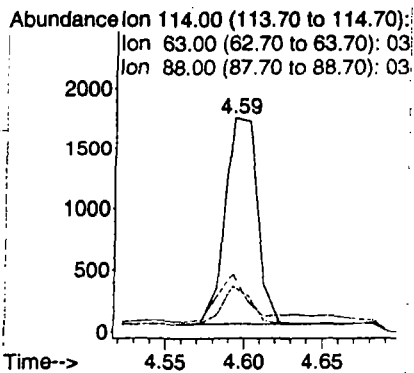
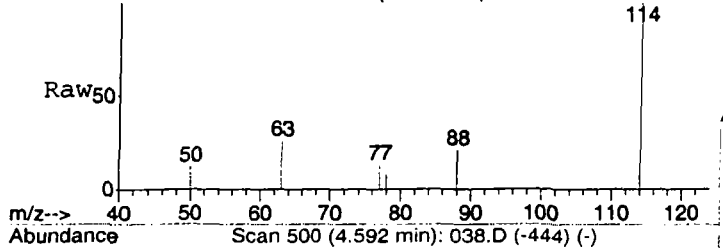


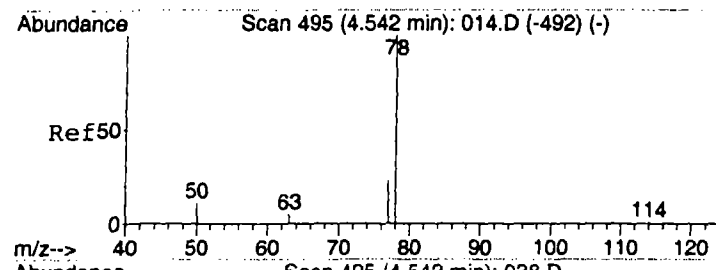
Tgt Ion: 97 Resp: 25322
Ion Ratio Lower Upper
97 100
99 76.5 52.2 78.2
61 47.9 34.6 51.8



#9
1,4-Difluorobenzene
Concen: 10.00 ppbv
RT: 4.59 min Scan# 500
Delta R.T. -0.01 min
Lab File: 038.D
Acq: 11 Dec 2007 16:59

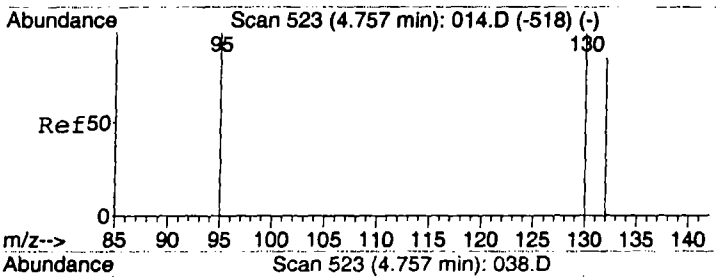
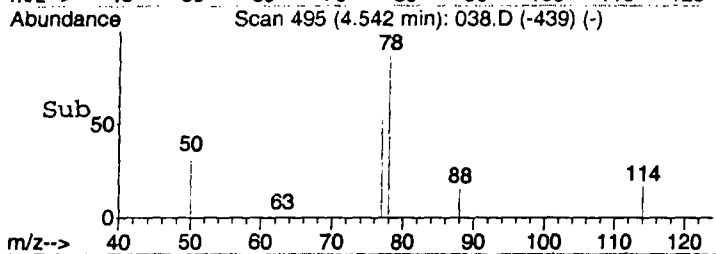
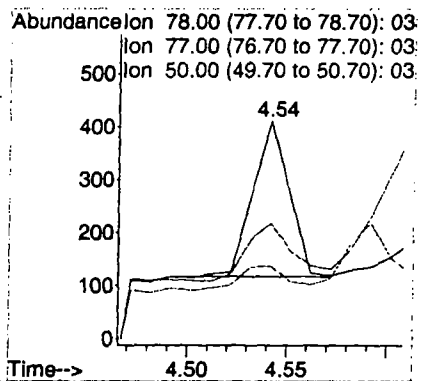
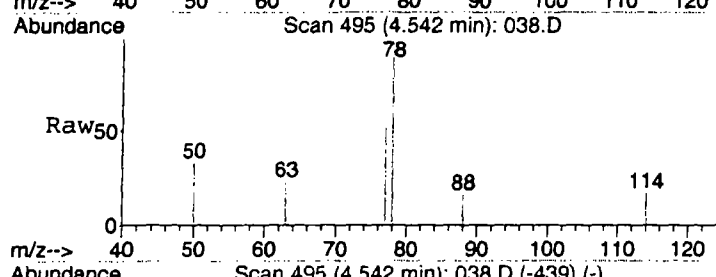
Tgt Ion: 114 Resp: 2414
Ion Ratio Lower Upper
114 100
63 21.5 15.4 23.2
88 18.7 11.8 17.6





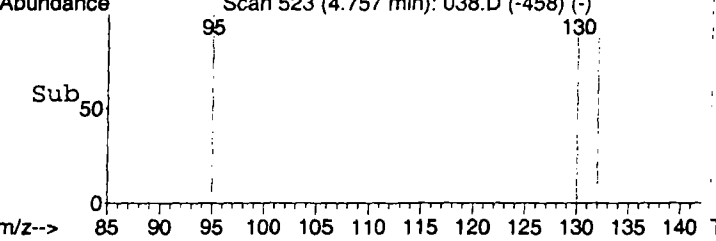
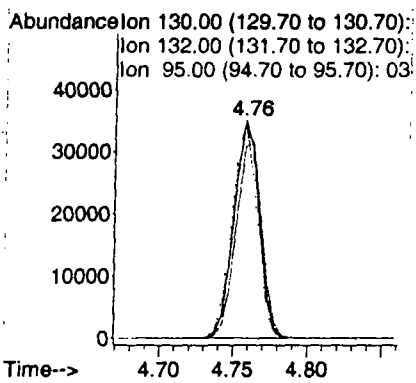
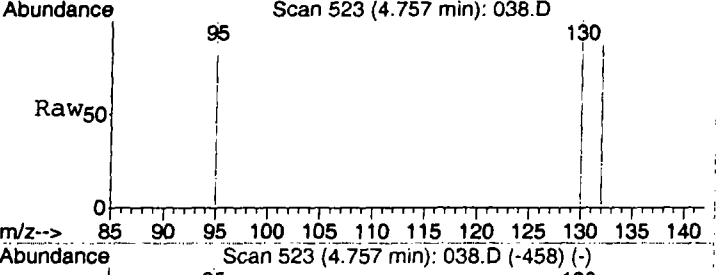
#10
Benzene
Concen: 2.25 ppbv m
RT: 4.54 min Scan# 495
Delta R.T. -0.01 min
Lab File: 038.D
Acq: 11 Dec 2007 16:59

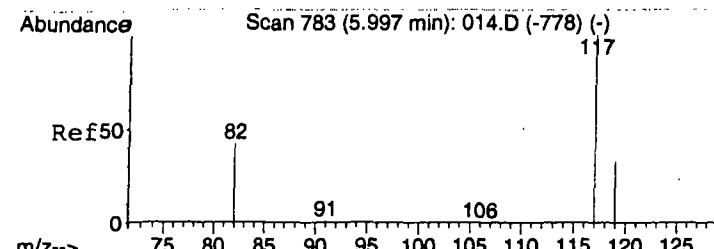
Tgt Ion:	78	Resp:	371
Ion Ratio	Lower	Upper	
78	100		
77	155.8	20.5	30.7#
50	153.4	15.9	23.9#



#11
Trichloroethene
Concen: 456.71 ppbv
RT: 4.76 min Scan# 523
Delta R.T. -0.01 min
Lab File: 038.D
Acq: 11 Dec 2007 16:59

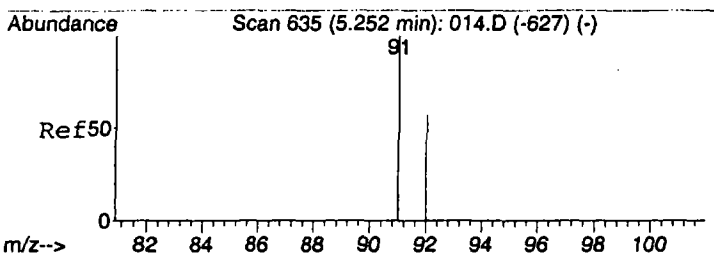
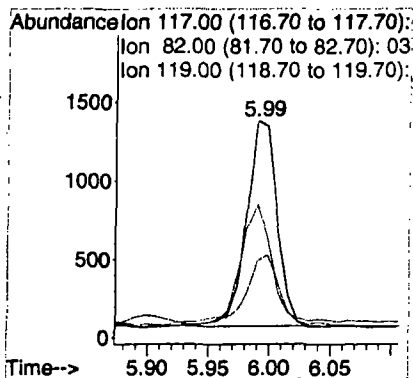
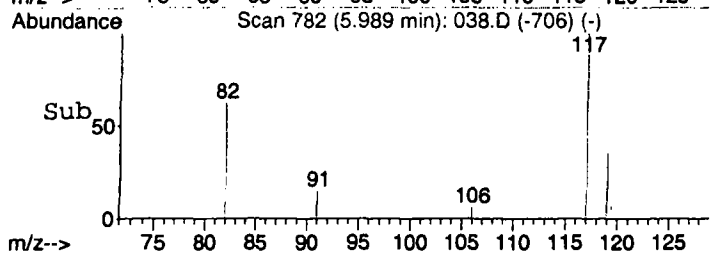
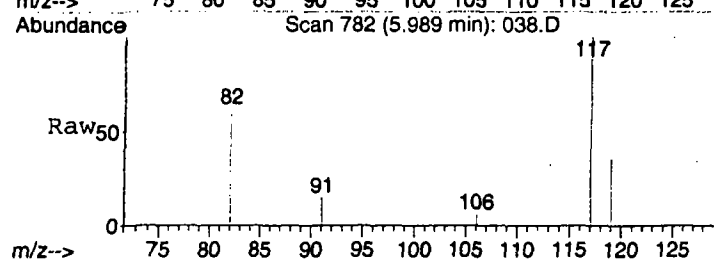
Tgt Ion:	130	Resp:	41363
Ion Ratio	Lower	Upper	
130	100		
132	92.6	74.7	112.1
95	98.9	75.2	112.8





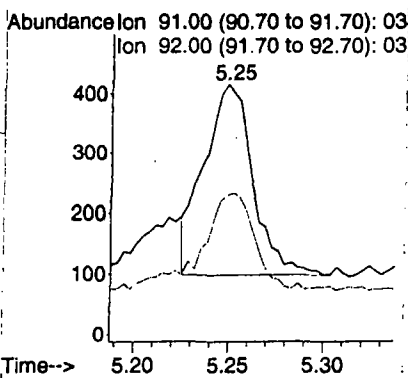
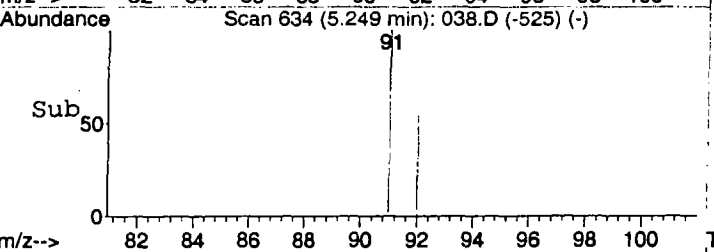
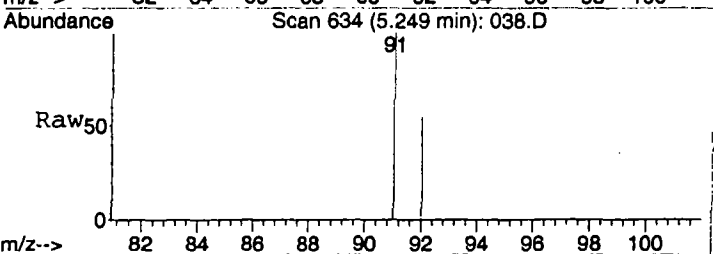
#12
Chlorobenzene-d5
Concen: 10.00 ppbv
RT: 5.99 min Scan# 782
Delta R.T. -0.02 min
Lab File: 038.D
Acq: 11 Dec 2007 16:59

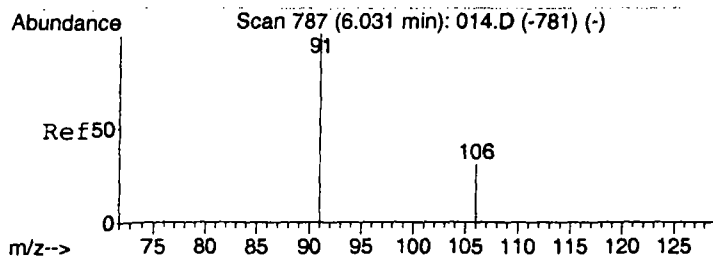
Tgt Ion: 117 Resp: 2311
Ion Ratio Lower Upper
117 100
82 63.6 41.0 61.6#
119 40.9 25.5 38.3#



#13
Toluene
Concen: 2.71 ppbv
RT: 5.25 min Scan# 634
Delta R.T. -0.02 min
Lab File: 038.D
Acq: 11 Dec 2007 16:59

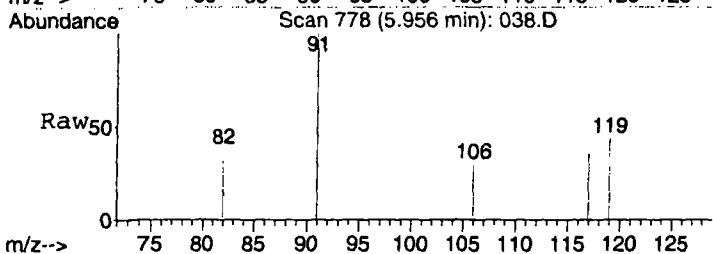
Tgt Ion: 91 Resp: 569
Ion Ratio Lower Upper
91 100
92 43.8 46.9 70.3#



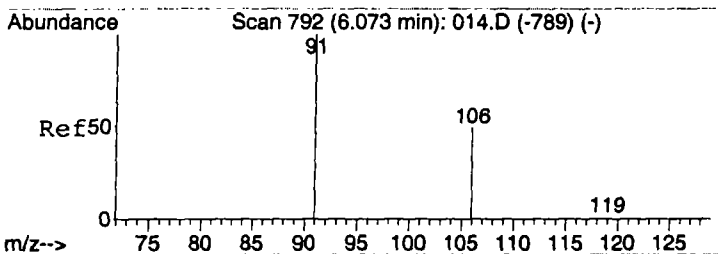
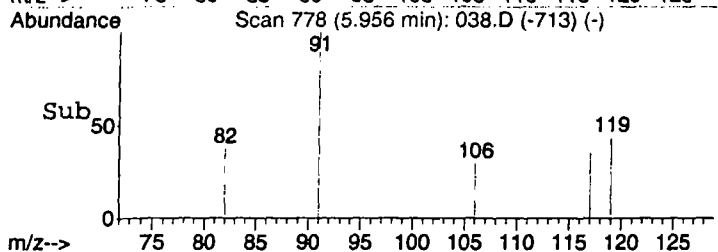
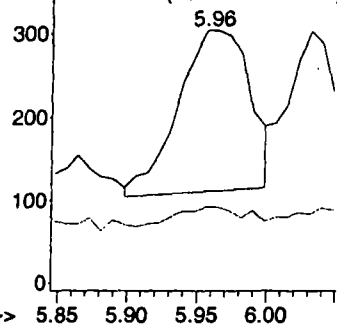


#15
Ethylbenzene
Concen: 3.30 ppbv m
RT: 5.96 min Scan# 778
Delta R.T. -0.09 min
Lab File: 038.D
Acq: 11 Dec 2007 16:59

Tgt Ion: 91 Resp: 696
Ion Ratio Lower Upper
91 100
106 0.0 22.5 33.7#

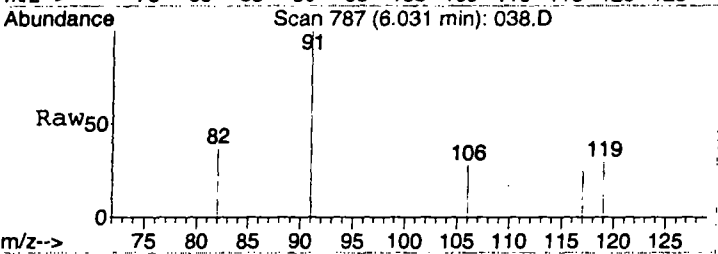


Abundance Ion 91.00 (90.70 to 91.70): 03
Ion 106.00 (105.70 to 106.70):

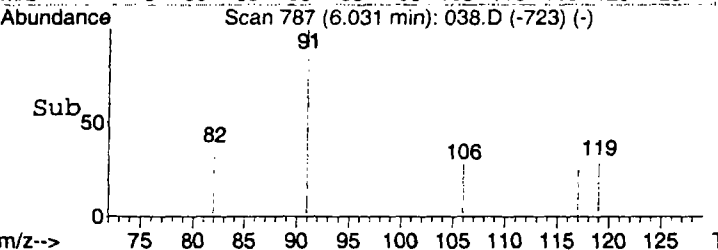
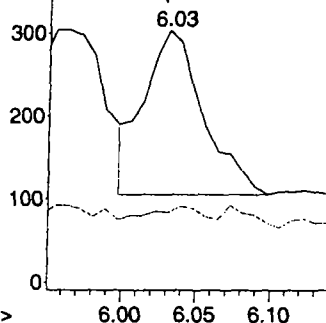


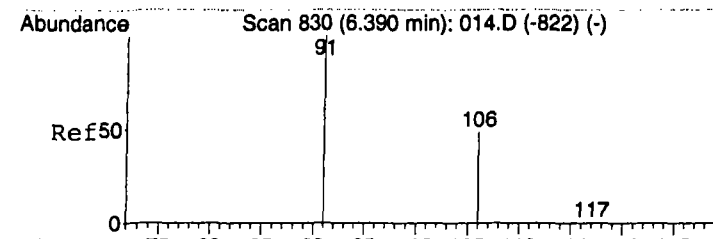
#16
m&p-Xylenes
Concen: 3.62 ppbv m
RT: 6.03 min Scan# 787
Delta R.T. -0.07 min
Lab File: 038.D
Acq: 11 Dec 2007 16:59

Tgt Ion: 91 Resp: 550
Ion Ratio Lower Upper
91 100
106 21.1 36.4 54.6#

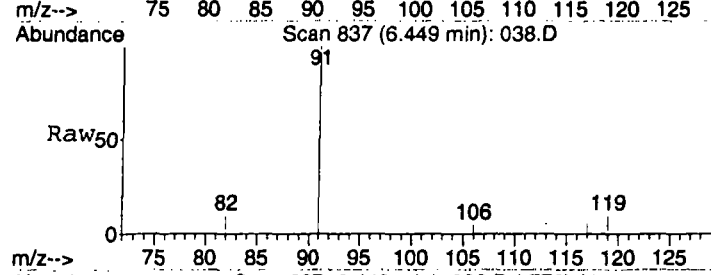


Abundance Ion 91.00 (90.70 to 91.70): 03
Ion 106.00 (105.70 to 106.70):

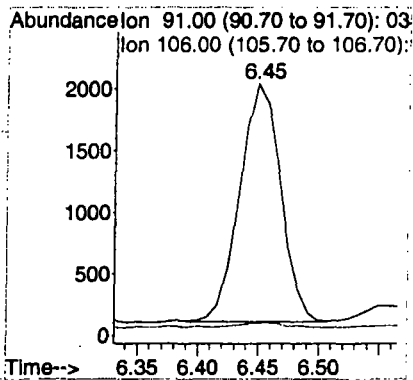
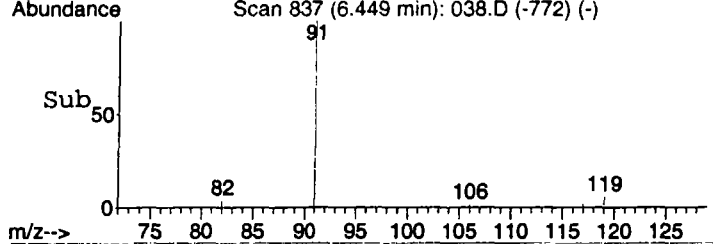




#17
 o-Xylene
 Concen: 25.38 ppbv m
 RT: 6.45 min Scan# 837
 Delta R.T. 0.04 min
 Lab File: 038.D
 Acq: 11 Dec 2007 16:59



Tgt Ion: 91 Resp: 4539
 Ion Ratio Lower Upper
 91 100
 106 391.9 33.9 50.9#



Data File : C:\MSDCHEM\1\DATA\2007\20071211\040.D

Vial: 1

Acq On : 11 Dec 2007 17:29

Operator: CWS

Sample : 4455\ MGS5

Inst : Instrumen

Misc : 5 mL\11 Dec 2007

Multiplr: 1.00

MS Integration Params: rteint.p

Quant Time: Dec 11 17:36:40 2007

Quant Results File: LOOP20071211.RES

Quant Method : C:\MSDCHEM\1...\LOOP20071211.M (RTE Integrator)

Title : VOC

Last Update : Tue Dec 11 11:52:00 2007

Response via : Initial Calibration

DataAcq Meth : LOOPSIMI

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	4.27	49	576	10.00	ppbv	0.00
9) 1,4-Difluorobenzene	4.59	114	2398m	10.00	ppbv	0.00
12) Chlorobenzene-d5	5.99	117	2234	10.00	ppbv	-0.02

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
7) cis-1,2-Dichloroethene	4.18	61	124m	1.80	ppbv	
10) Benzene	4.54	78	342m	2.08	ppbv	
13) Toluene	5.25	91	952m	4.70	ppbv	
14) Tetrachloroethene	5.54	166	113m	1.15	ppbv	
15) Ethylbenzene	6.03	91	263m	1.29	ppbv	
16) m&p-Xylenes	6.07	91	134m	0.91	ppbv	
17) o-Xylene	6.39	91	96m	0.56	ppbv	

Data File : C:\MSDCHEM\1\DATA\2007\20071211\040.D

Vial: 1

Acq On : 11 Dec 2007 17:29

Operator: CWS

Sample : 4455\ MSGS5

Inst : Instrumen

Misc : 5 mL\11 Dec 2007

Multiplr: 1.00

MS Integration Params: rteint.p

Quant Time: Dec 20 13:44 2007

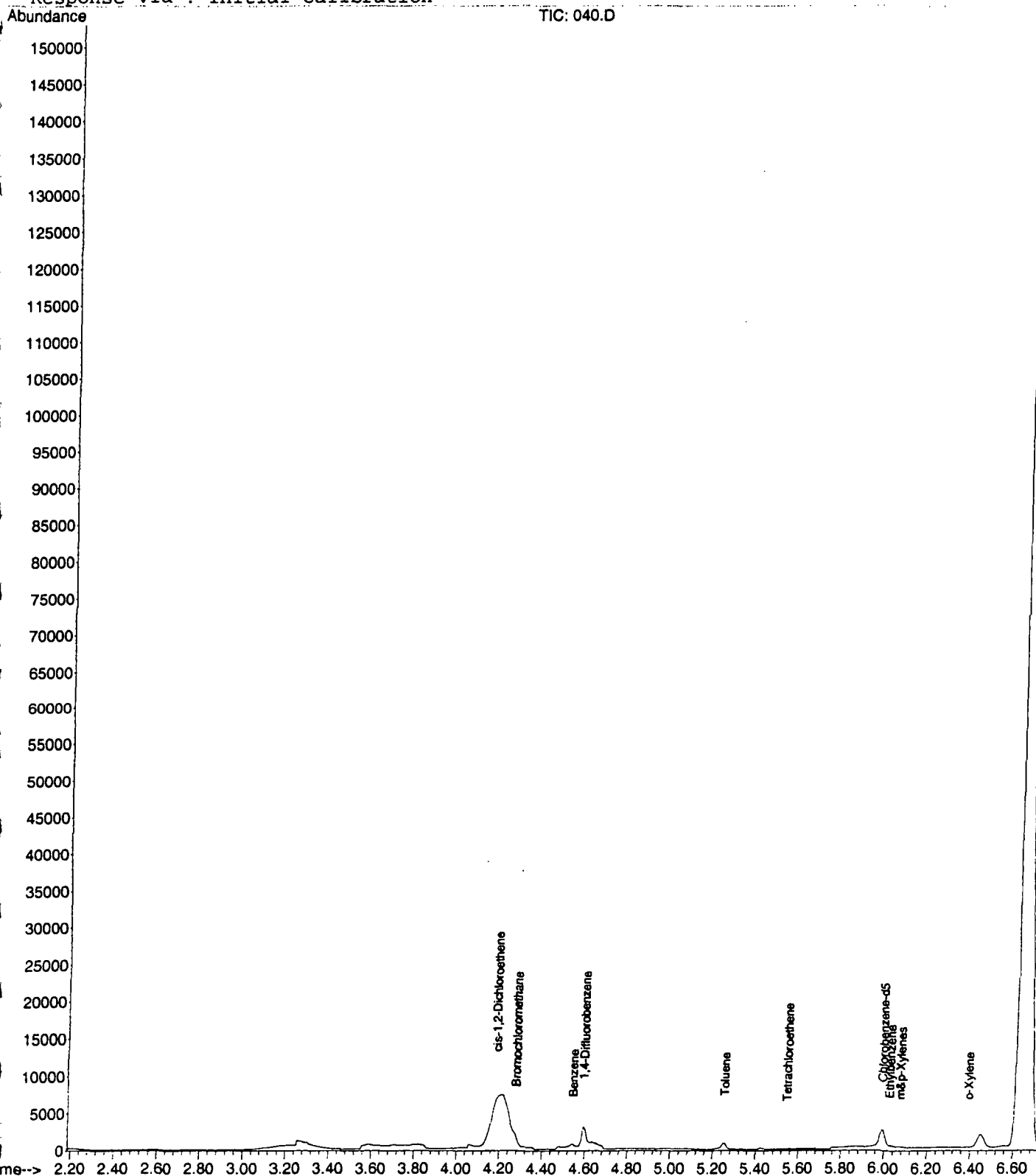
Quant Results File: LOOP20071211.RES

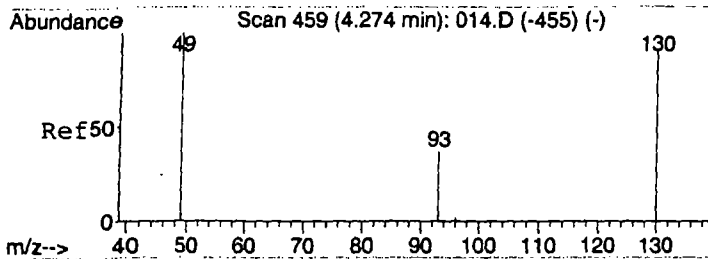
Method : C:\MSDCHEM\1\METHODS\LOOP20071211.M (RTE Integrator)

Title : VOC

Last Update : Tue Dec 11 11:52:00 2007

Response via : Initial Calibration





#1

Bromochloromethane

Concen: 10.00 ppbv

RT: 4.27 min Scan# 459

Delta R.T. 0.00 min

Lab File: 040.D

Acq: 11 Dec 2007 17:29

Tgt Ion: 49 Resp: 576

Ion Ratio Lower Upper

49 100

130 102.1 105.7 158.5#

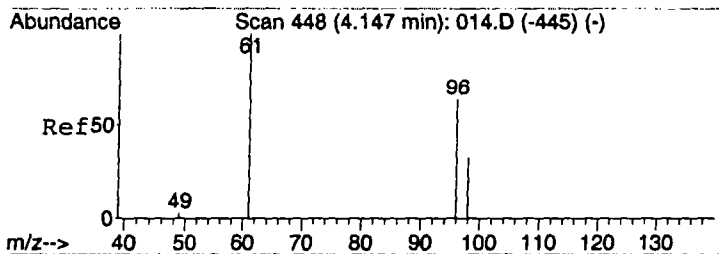
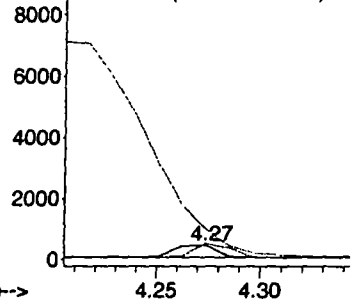
93 6831.4 24.4 36.6#

Abundance

Ion 49.00 (48.70 to 49.70): 04

Ion 130.00 (129.70 to 130.70): 04

Ion 93.00 (92.70 to 93.70): 04



#7

cis-1,2-Dichloroethene

Concen: 1.80 ppbv m

RT: 4.18 min Scan# 451

Delta R.T. 0.03 min

Lab File: 040.D

Acq: 11 Dec 2007 17:29

Tgt Ion: 61 Resp: 124

Ion Ratio Lower Upper

61 100

96 100.0 64.8 97.2#

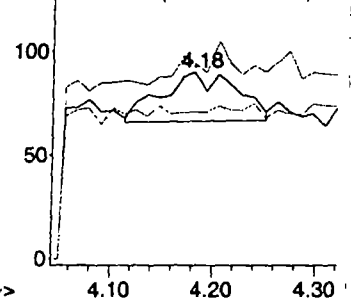
98 120.2 49.8 74.8#

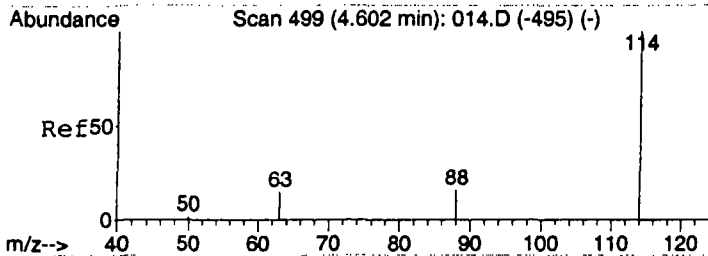
Abundance

Ion 61.00 (60.70 to 61.70): 04

Ion 96.00 (95.70 to 96.70): 04

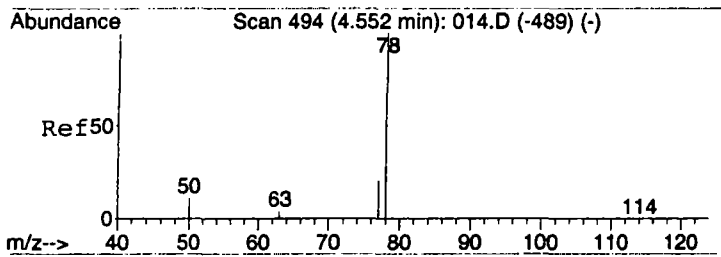
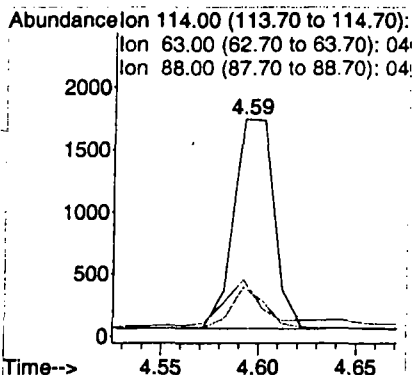
Ion 98.00 (97.70 to 98.70): 04





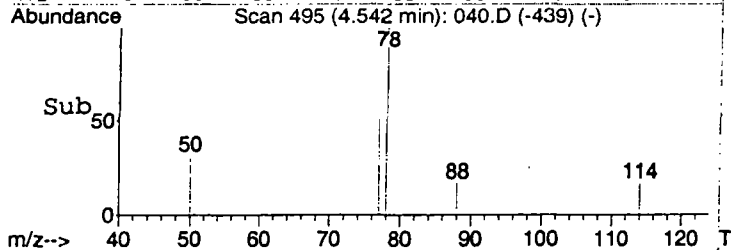
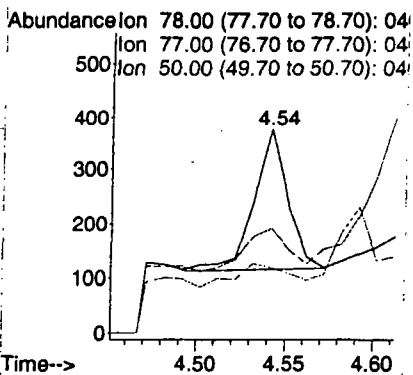
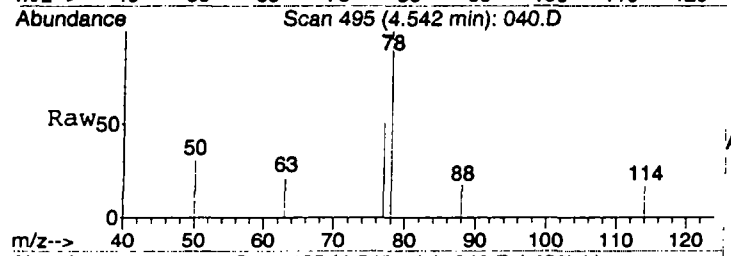
#9
1,4-Difluorobenzene
Concen: 10.00 ppbv m
RT: 4.59 min Scan# 500
Delta R.T. -0.01 min
Lab File: 040.D
Acq: 11 Dec 2007 17:29

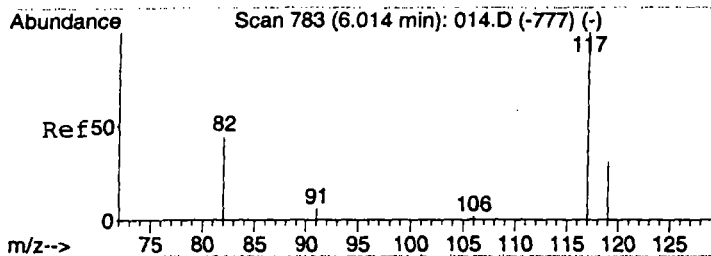
Tgt Ion	Ratio	Lower	Upper
114	100		
63	49.3	15.4	23.2#
88	20.1	11.8	17.6#



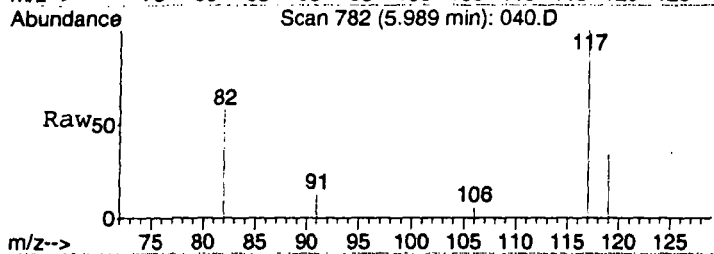
#10
Benzene
Concen: 2.08 ppbv m
RT: 4.54 min Scan# 495
Delta R.T. -0.01 min
Lab File: 040.D
Acq: 11 Dec 2007 17:29

Tgt Ion	Ratio	Lower	Upper
78	100		
77	157.0	20.5	30.7#
50	31.9	15.9	23.9#

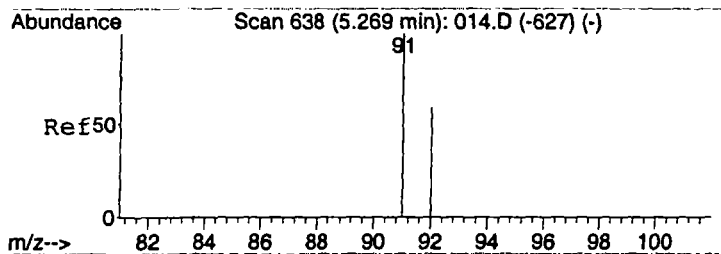
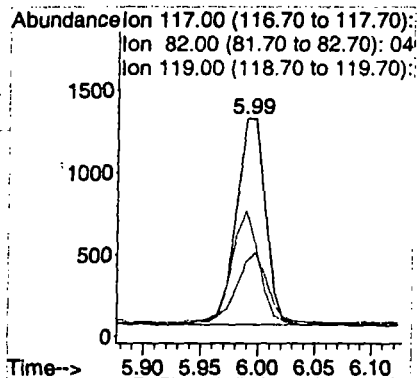
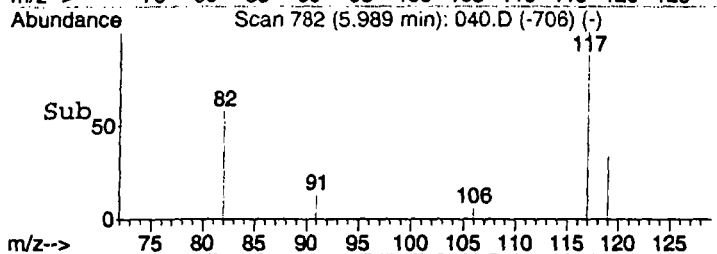




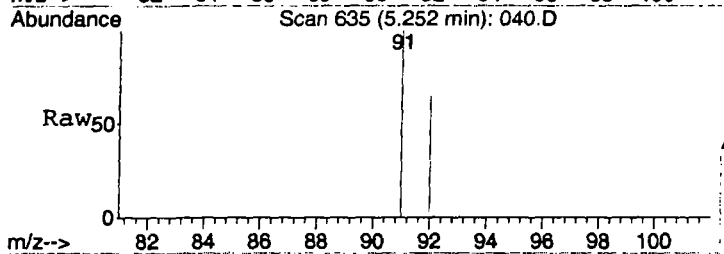
#12
Chlorobenzene-d5
Concen: 10.00 ppbv
RT: 5.99 min Scan# 782
Delta R.T. -0.02 min
Lab File: 040.D
Acq: 11 Dec 2007 17:29



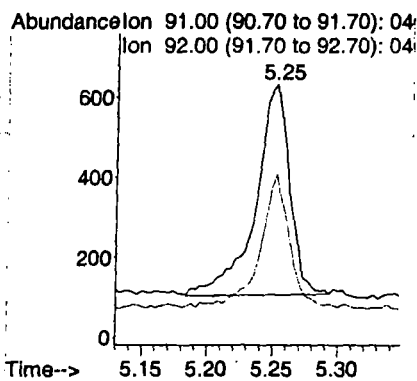
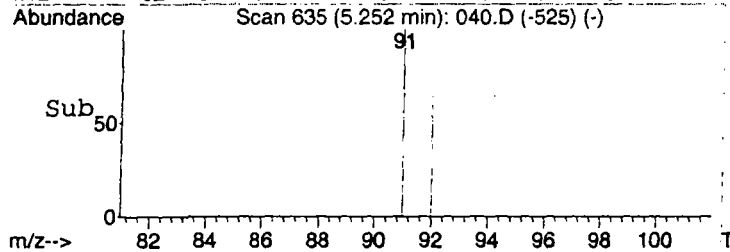
Tgt Ion: 117 Resp: 2234
Ion Ratio Lower Upper
117 100
82 52.2 41.0 61.6
119 36.3 25.5 38.3

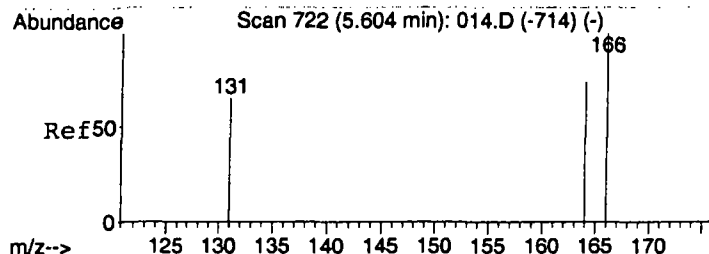


#13
Toluene
Concen: 4.70 ppbv m
RT: 5.25 min Scan# 635
Delta R.T. -0.02 min
Lab File: 040.D
Acq: 11 Dec 2007 17:29

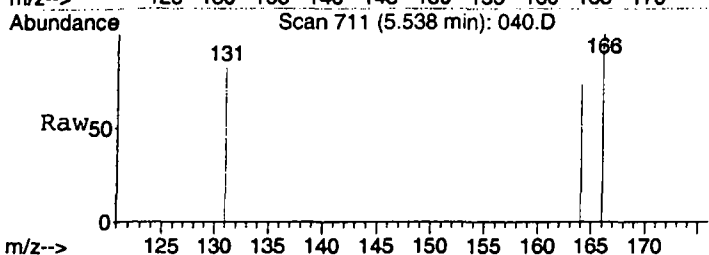


Tgt Ion: 91 Resp: 952
Ion Ratio Lower Upper
91 100
92 51.7 46.9 70.3

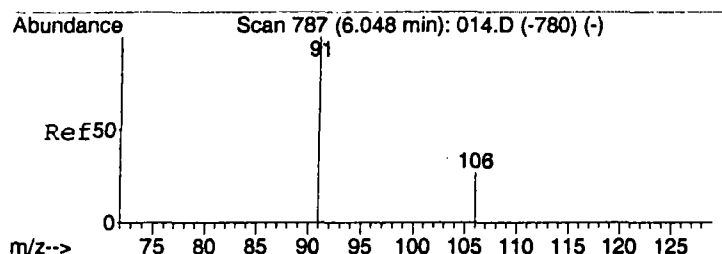
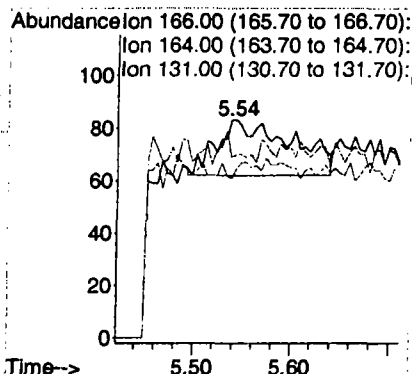
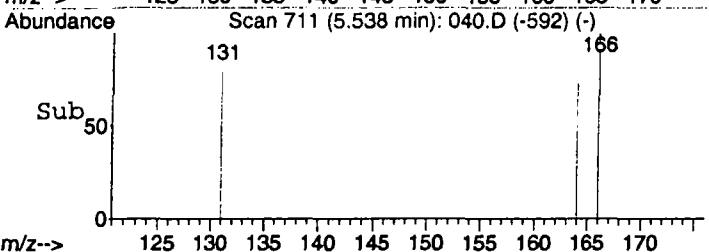




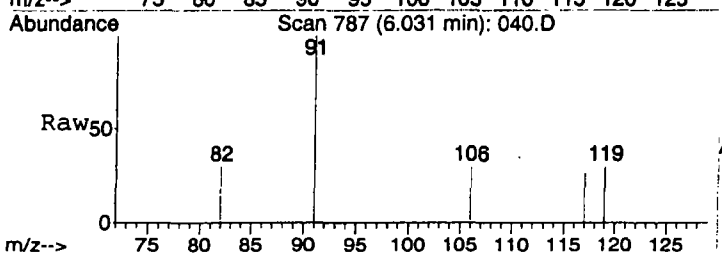
#14
Tetrachloroethene
Concen: 1.15 ppbv m
RT: 5.54 min Scan# 711
Delta R.T. -0.07 min
Lab File: 040.D
Acq: 11 Dec 2007 17:29



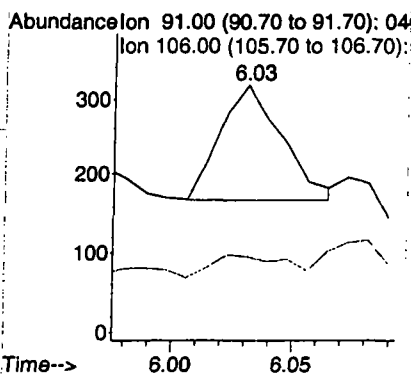
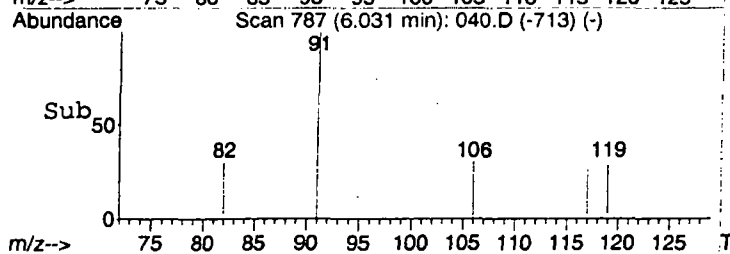
Tgt Ion: 166 Resp: 113
Ion Ratio Lower Upper
166 100
164 58.4 62.8 94.2#
131 66.4 56.9 85.3

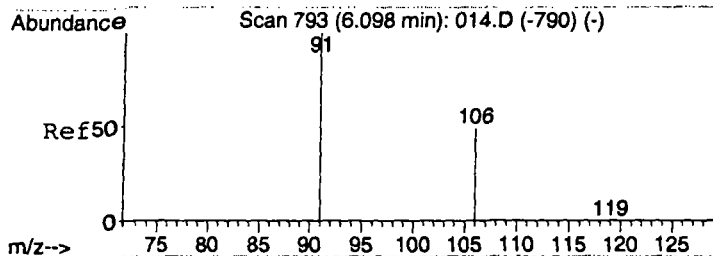


#15
Ethylbenzene
Concen: 1.29 ppbv m
RT: 6.03 min Scan# 787
Delta R.T. -0.02 min
Lab File: 040.D
Acq: 11 Dec 2007 17:29



Tgt Ion: 91 Resp: 263
Ion Ratio Lower Upper
91 100
106 24.0 22.5 33.7





#16

m&p-Xylenes

Concen: 0.91 ppbv m

RT: 6.07 min Scan# 792

Delta R.T. -0.02 min

Lab File: 040.D

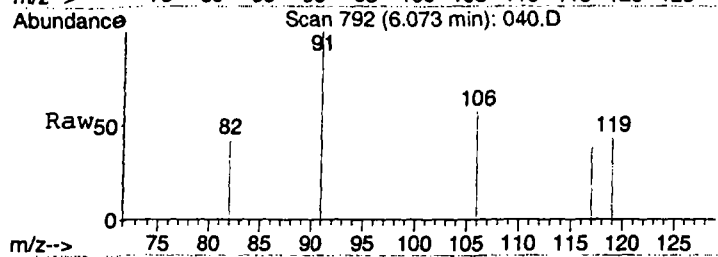
Acq: 11 Dec 2007 17:29

Tgt Ion: 91 Resp: 134

Ion Ratio Lower Upper

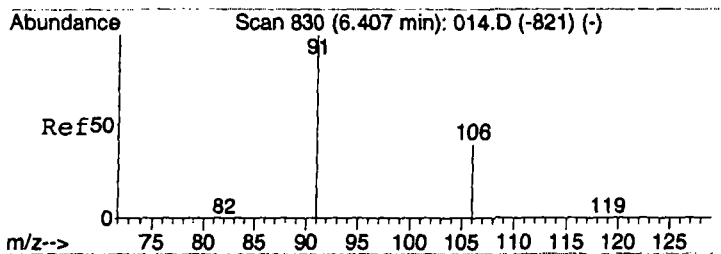
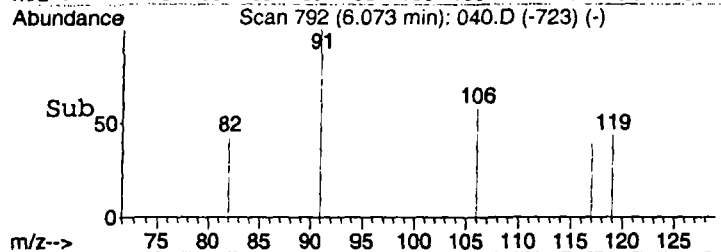
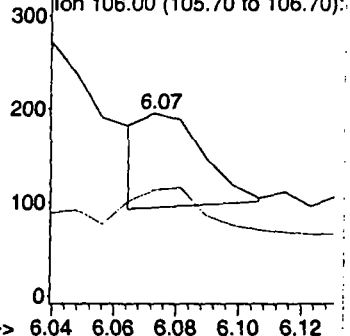
91 100

106 47.0 36.4 54.6



Abundance Ion 91.00 (90.70 to 91.70): 04

Ion 106.00 (105.70 to 106.70):



#17

o-Xylene

Concen: 0.56 ppbv m

RT: 6.39 min Scan# 830

Delta R.T. -0.02 min

Lab File: 040.D

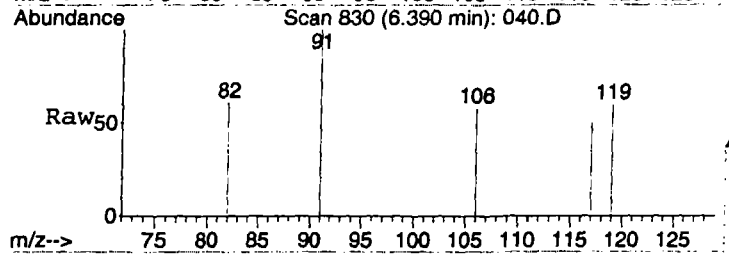
Acq: 11 Dec 2007 17:29

Tgt Ion: 91 Resp: 96

Ion Ratio Lower Upper

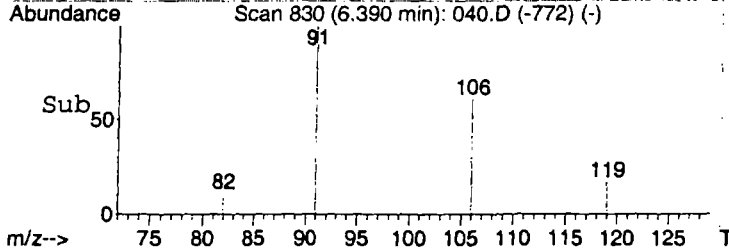
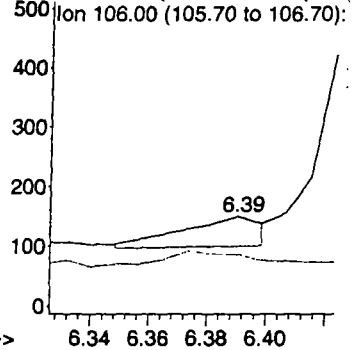
91 100

106 20452.1 33.9 50.9#



Abundance Ion 91.00 (90.70 to 91.70): 04

Ion 106.00 (105.70 to 106.70):



Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\2007\20071211\042.D Vial: 1
 Acq On : 11 Dec 2007 17:57 Operator: CWS
 Sample : 4457\ MGSG7 Inst : Instrumen
 Misc : 1 mL\11 Dec 2007 Multiplr: 5.00

MS Integration Params: rteint.p

Quant Time: Dec 11 18:04:40 2007

Quant Results File: LOOP20071211.RES

Quant Method : C:\MSDCHEM\1...\LOOP20071211.M (RTE Integrator)

Title : VOC

Last Update : Tue Dec 11 11:52:00 2007

Response via : Initial Calibration

DataAcq Meth : LOOPSIMI

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	4.26	49	586	10.00	ppbv	-0.01
9) 1,4-Difluorobenzene	4.59	114	2354m	10.00	ppbv	0.00
12) Chlorobenzene-d5	5.99	117	2163	10.00	ppbv	-0.02

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
6) 1,1-Dichloroethane	3.98	63	85m	4.72	ppbv	
7) cis-1,2-Dichloroethene	4.16	61	95m	6.78	ppbv	
13) Toluene	5.25	91	269m	6.85	ppbv	

Data File : C:\MSDCHEM\1\DATA\2007\20071211\042.D

Vial: 1

Acq On : 11 Dec 2007 17:57

Operator: CWS

Sample : 4457\ MSGS7

Inst : Instrumen

Misc : 1 mL\11 Dec 2007

Multiplr: 5.00

MS Integration Params: rteint.p

Quant Time: Dec 20 13:47 2007

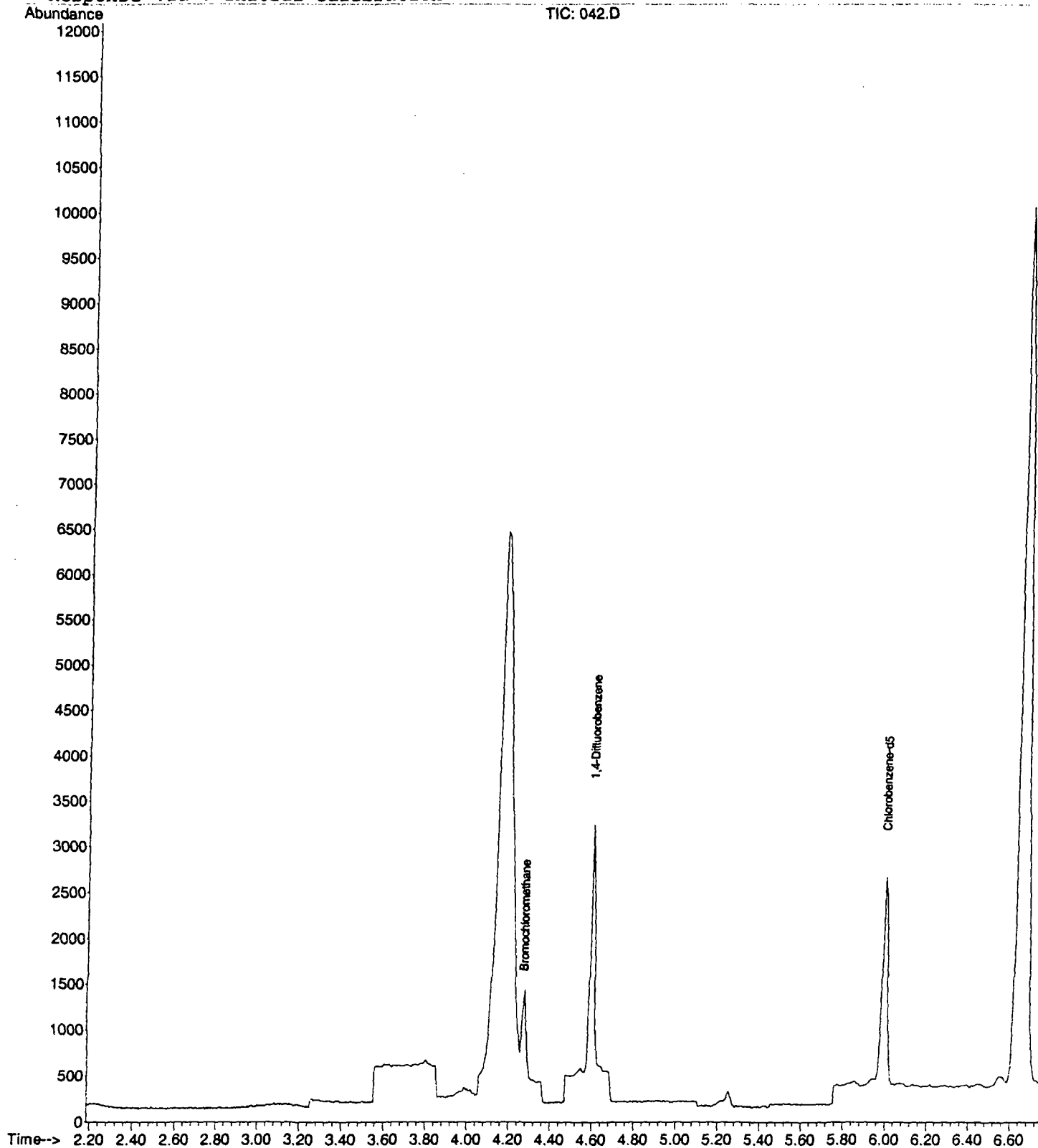
Quant Results File: LOOP20071211.RES

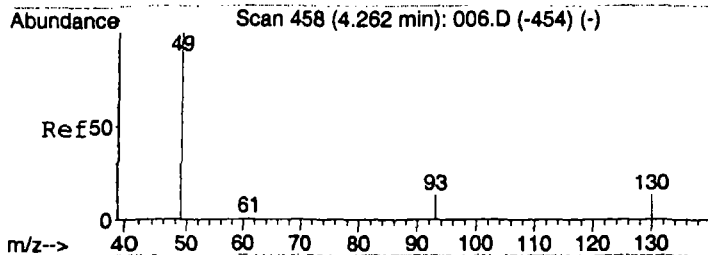
Method : C:\MSDCHEM\1\METHODS\LOOP20071211.M (RTE Integrator)

Title : VOC

Last Update : Tue Dec 11 11:52:00 2007

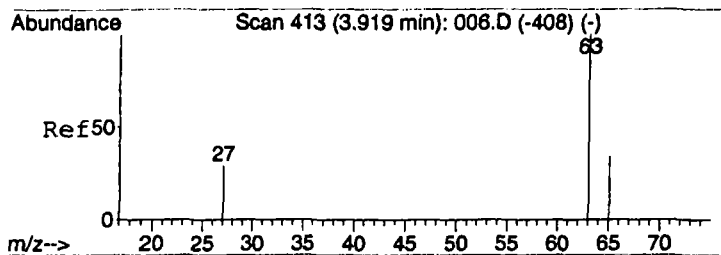
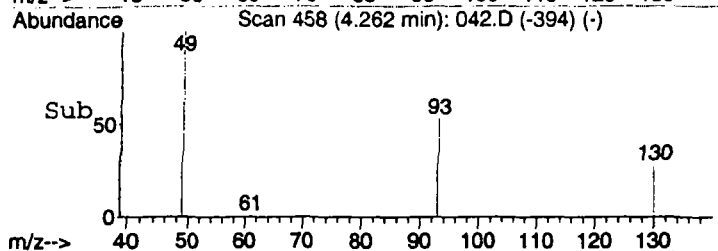
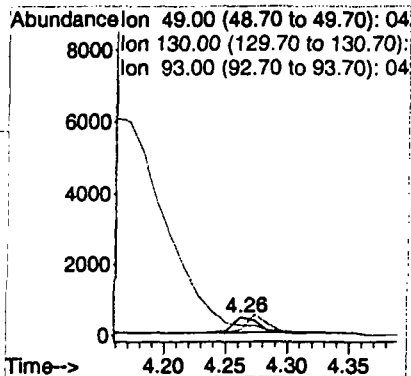
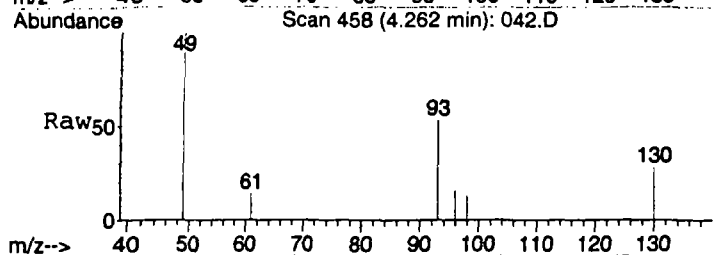
Response via : Initial Calibration





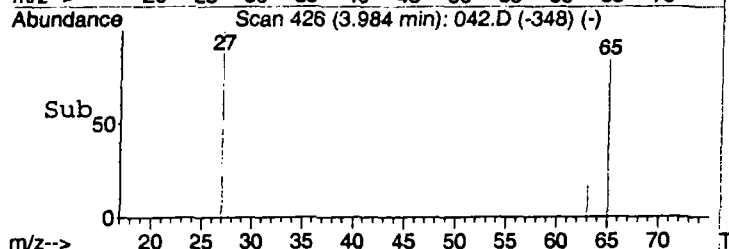
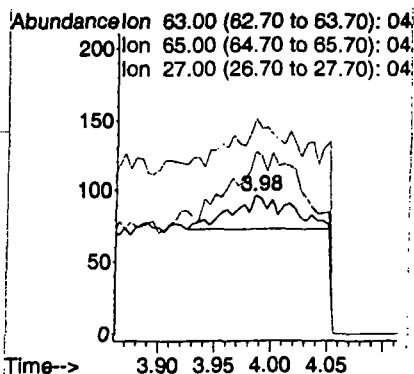
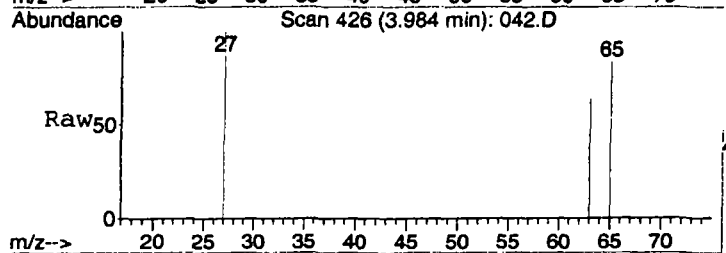
#1
Bromochloromethane
Concen: 10.00 ppbv
RT: 4.26 min Scan# 458
Delta R.T. -0.01 min
Lab File: 042.D
Acq: 11 Dec 2007 17:57

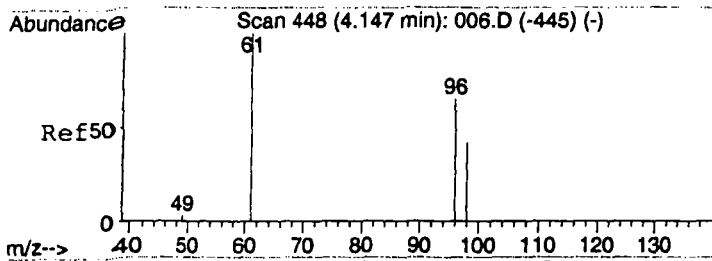
Tgt Ion: 49 Resp: 586
Ion Ratio Lower Upper
49 100
130 162.1 105.7 158.5#
93 0.0 24.4 36.6#



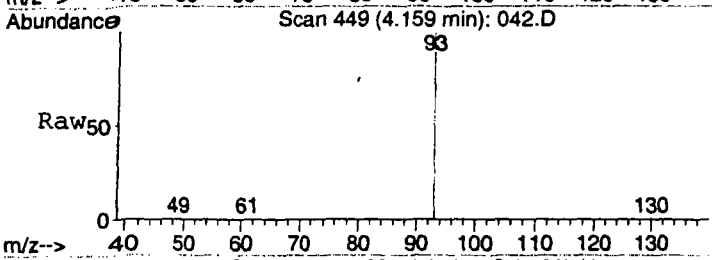
#6
1,1-Dichloroethane
Concen: 4.72 ppbv m
RT: 3.98 min Scan# 426
Delta R.T. 0.07 min
Lab File: 042.D
Acq: 11 Dec 2007 17:57

Tgt Ion: 63 Resp: 85
Ion Ratio Lower Upper
63 100
65 132.9 26.5 39.7#
27 256.5 18.0 27.0#



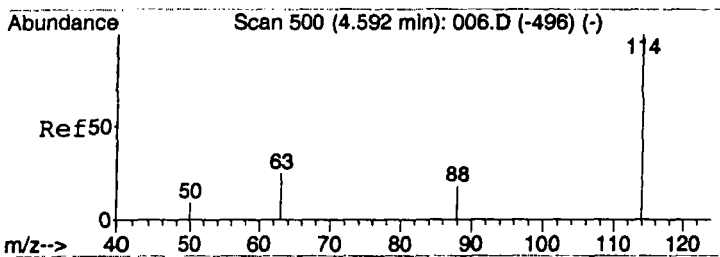
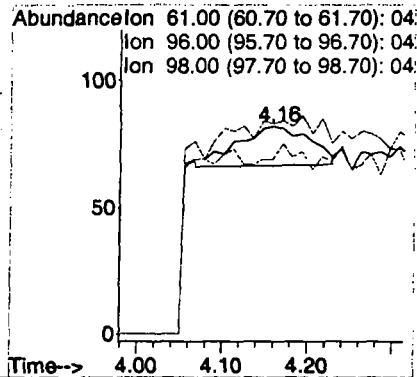
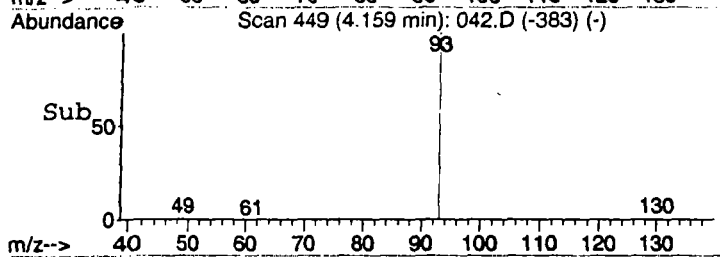


#7
 cis-1,2-Dichloroethene
 Concen: 6.78 ppbv m
 RT: 4.16 min Scan# 449
 Delta R.T. 0.01 min
 Lab File: 042.D
 Acq: 11 Dec 2007 17:57

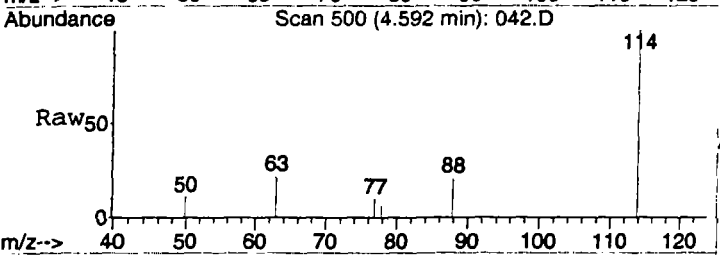


Tgt Ion: 61 Resp: 95

Ion	Ratio	Lower	Upper
61	100		
96	113.7	64.8	97.2#
98	349.5	49.8	74.8#

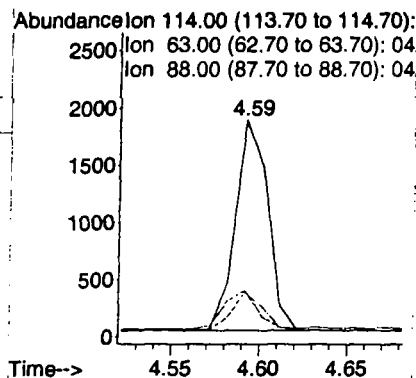
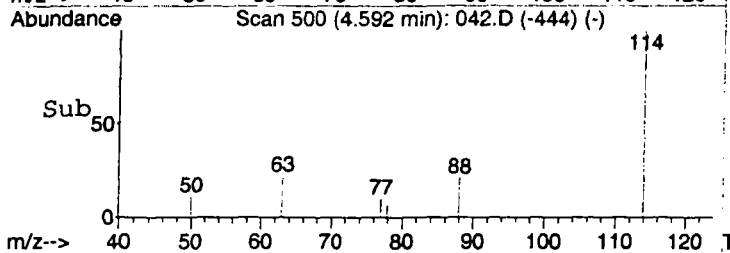


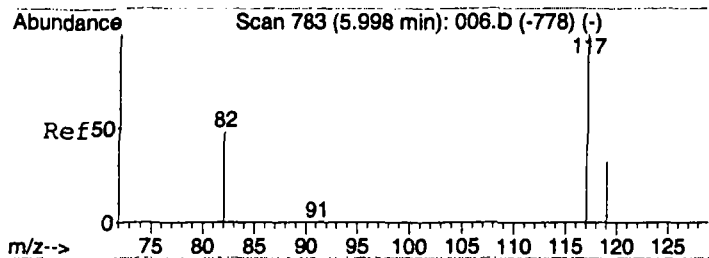
#9
 1,4-Difluorobenzene
 Concen: 10.00 ppbv m
 RT: 4.59 min Scan# 500
 Delta R.T. -0.01 min
 Lab File: 042.D
 Acq: 11 Dec 2007 17:57



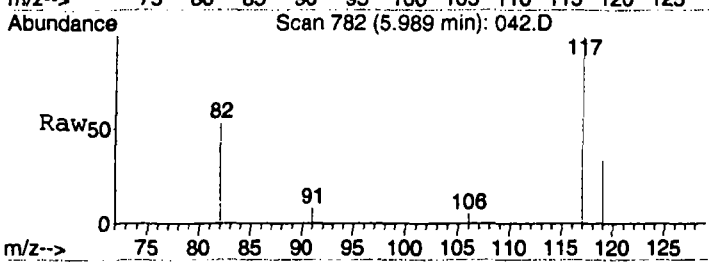
Tgt Ion: 114 Resp: 2354

Ion	Ratio	Lower	Upper
114	100		
63	58.3	15.4	23.2#
88	37.3	11.8	17.6#

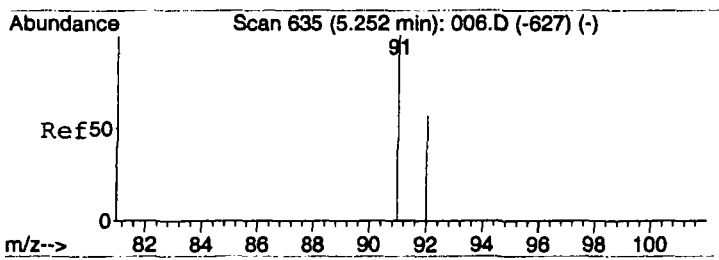
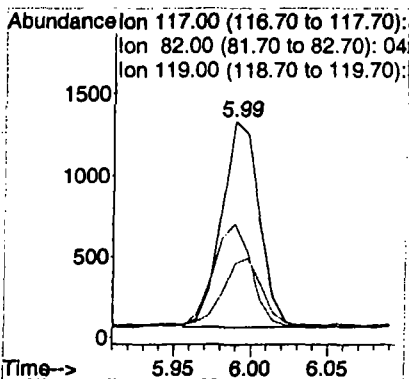




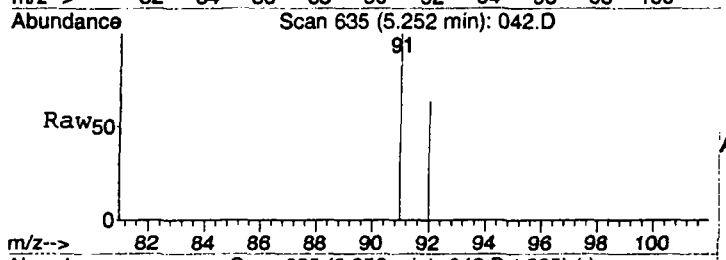
#12
Chlorobenzene-d5
Concen: 10.00 ppbv
RT: 5.99 min Scan# 782
Delta R.T. -0.02 min
Lab File: 042.D
Acq: 11 Dec 2007 17:57



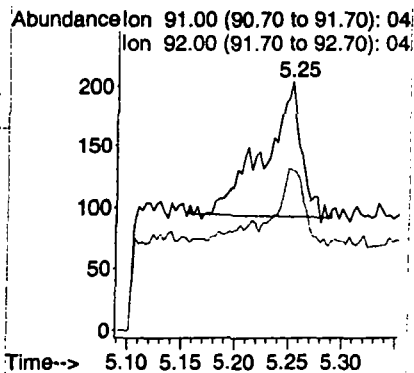
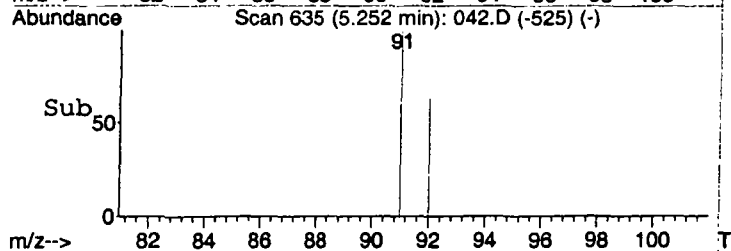
Tgt Ion: 117 Resp: 2163
Ion Ratio Lower Upper
117 100
82 50.2 41.0 61.6
119 33.7 25.5 38.3



#13
Toluene
Concen: 6.85 ppbv m
RT: 5.25 min Scan# 635
Delta R.T. -0.02 min
Lab File: 042.D
Acq: 11 Dec 2007 17:57



Tgt Ion: 91 Resp: 269
Ion Ratio Lower Upper
91 100
92 26.0 46.9 70.3#



Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\2007\20071211\043.D Vial: 1
Acq On : 11 Dec 2007 18:57 Operator: CWS
Sample : 4456\ MGSG6 Inst : Instrumen
Misc : 1 mL\11 Dec 2007 Multiplr: 5.00
MS Integration Params: rteint.p
Quant Time: Dec 11 19:04:51 2007 Quant Results File: LOOP20071211.RES

Quant Method : C:\MSDCHEM\1...\LOOP20071211.M (RTE Integrator)
Title : VOC
Last Update : Tue Dec 11 11:52:00 2007
Response via : Initial Calibration
DataAcq Meth : LOOPSIMI

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	4.26	49	632m	10.00	ppbv	-0.01
9) 1,4-Difluorobenzene	4.59	114	2439m	10.00	ppbv	0.00
12) Chlorobenzene-d5	5.99	117	2284	10.00	ppbv	-0.02

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
10) Benzene	4.54	78	101m	3.03	ppbv	
13) Toluene	5.25	91	132	3.18	ppbv	96

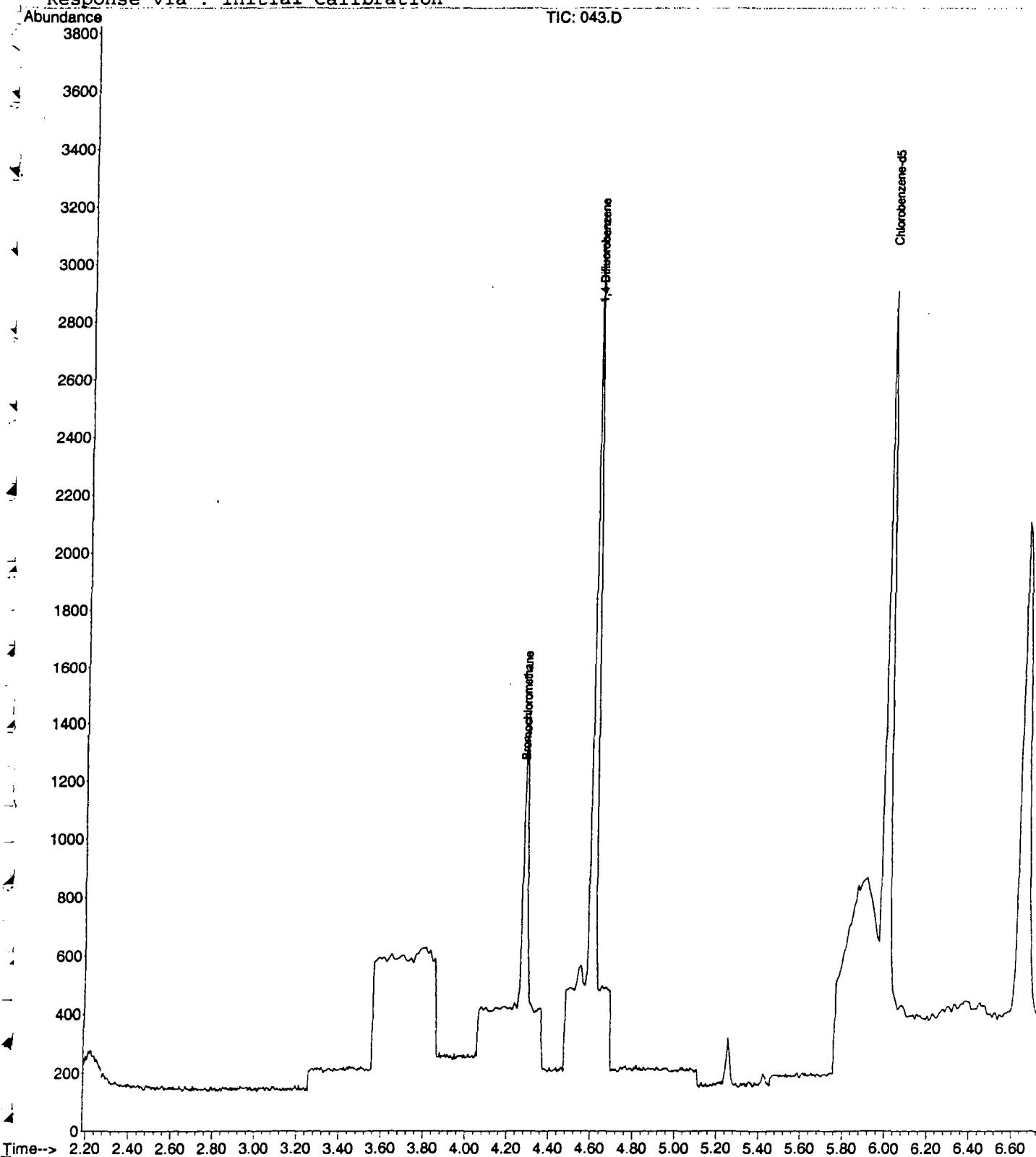
Quantitation Report (QT Reviewed)

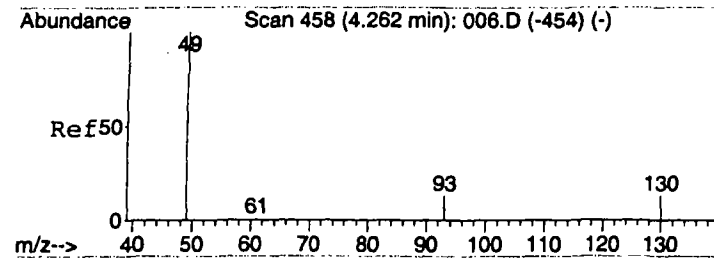
Data File : C:\MSDCHEM\1\DATA\2007\20071211\043.D
 Acq On : 11 Dec 2007 18:57
 Sample : 4456\ MGSG6
 Misc : 1 mL\11 Dec 2007
 MS Integration Params: rteint.p
 Quant Time: Dec 20 13:49 2007

Vial: 1
 Operator: CWS
 Inst : Instrumen
 Multiplr: 5.00

Quant Results File: LOOP20071211.RES

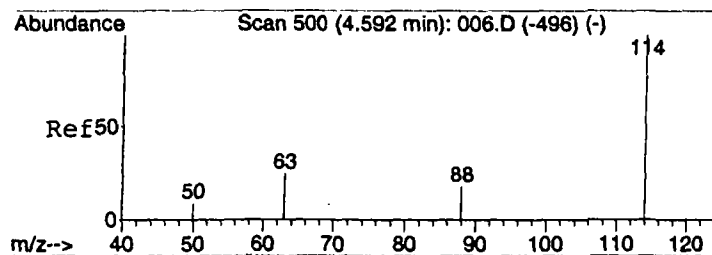
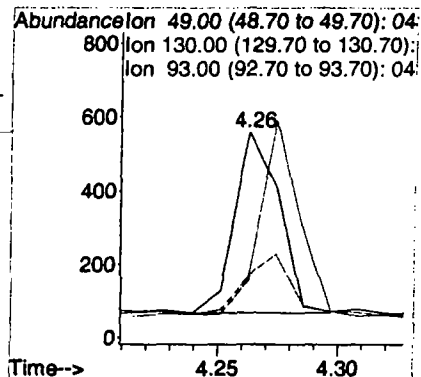
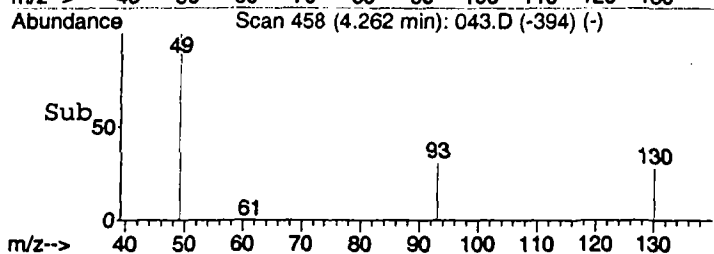
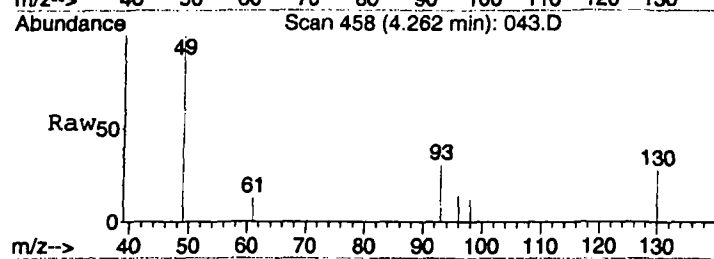
Method : C:\MSDCHEM\1\METHODS\LOOP20071211.M (RTE Integrator)
 Title : VOC
 Last Update : Tue Dec 11 11:52:00 2007
 Response via : Initial Calibration





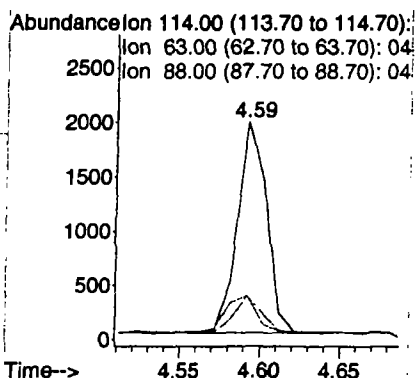
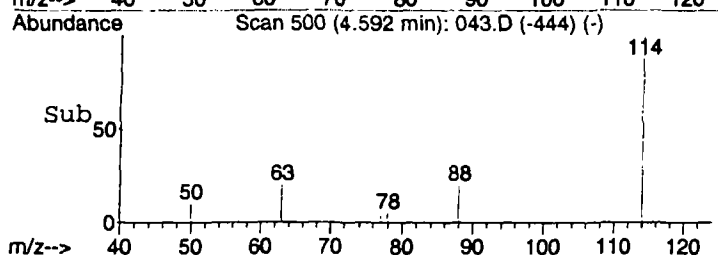
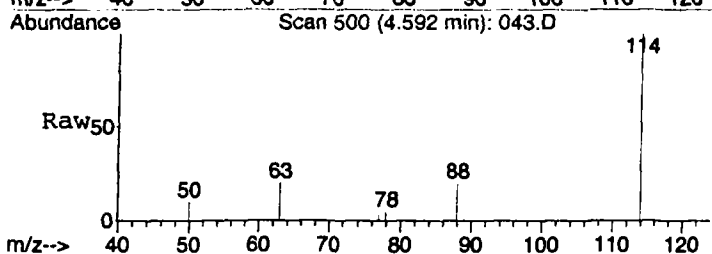
#1
Bromochloromethane
Concen: 10.00 ppbv m
RT: 4.26 min Scan# 458
Delta R.T. -0.01 min
Lab File: 043.D
Acq: 11 Dec 2007 18:57

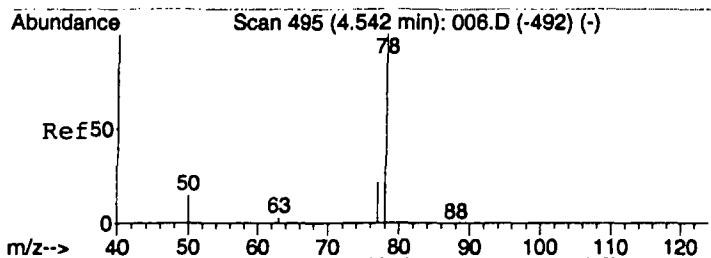
Tgt Ion: 49 Resp: 632
Ion Ratio Lower Upper
49 100
130 154.9 105.7 158.5
93 36.6 24.4 36.6



#9
1,4-Difluorobenzene
Concen: 10.00 ppbv m
RT: 4.59 min Scan# 500
Delta R.T. -0.01 min
Lab File: 043.D
Acq: 11 Dec 2007 18:57

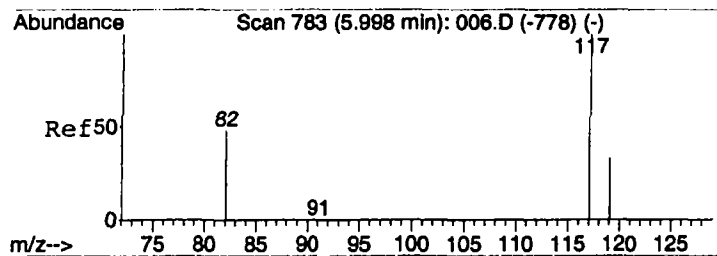
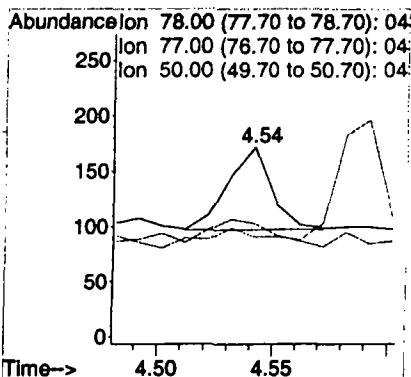
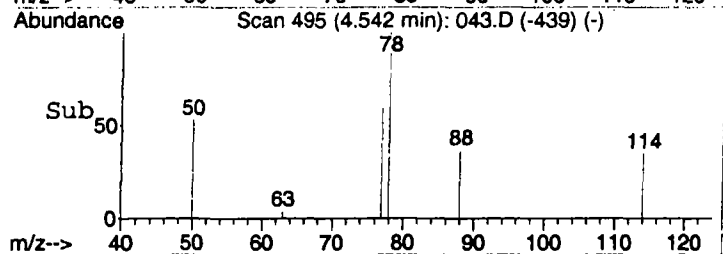
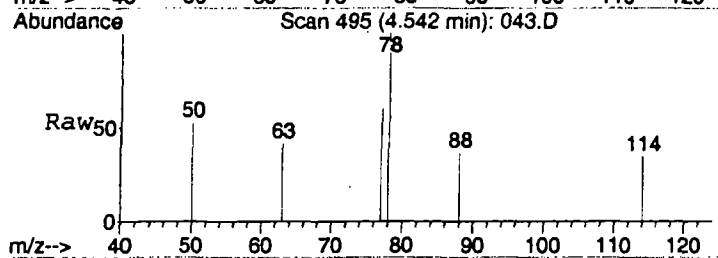
Tgt Ion: 114 Resp: 2439
Ion Ratio Lower Upper
114 100
63 22.8 15.4 23.2
88 19.7 11.8 17.6#





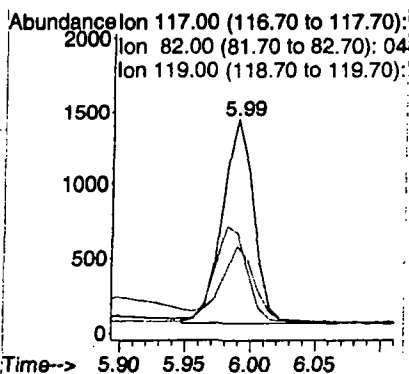
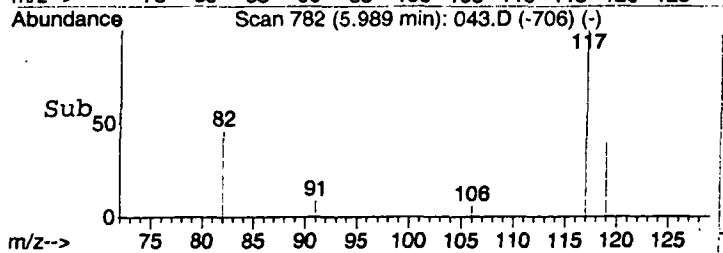
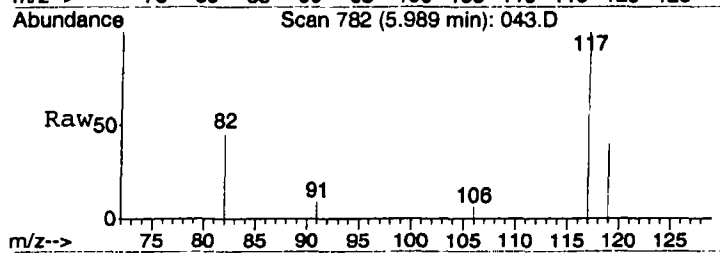
#10
Benzene
Concen: 3.03 ppbv m
RT: 4.54 min Scan# 495
Delta R.T. -0.01 min
Lab File: 043.D
Acq: 11 Dec 2007 18:57

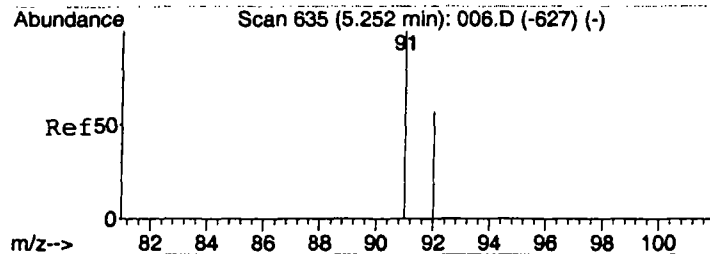
Tgt Ion: 78 Resp: 101
Ion Ratio Lower Upper
78 100
77 554.5 20.5 30.7#
50 149.5 15.9 23.9#



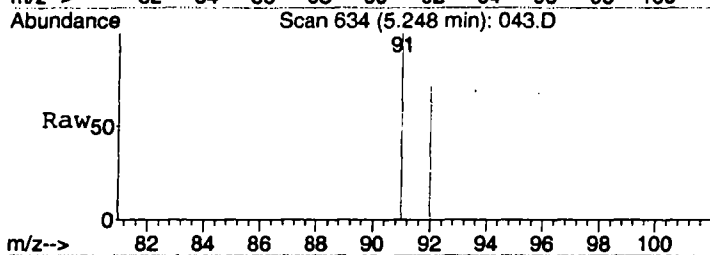
#12
Chlorobenzene-d5
Concen: 10.00 ppbv
RT: 5.99 min Scan# 782
Delta R.T. -0.02 min
Lab File: 043.D
Acq: 11 Dec 2007 18:57

Tgt Ion: 117 Resp: 2284
Ion Ratio Lower Upper
117 100
82 48.9 41.0 61.6
119 45.3 25.5 38.3#

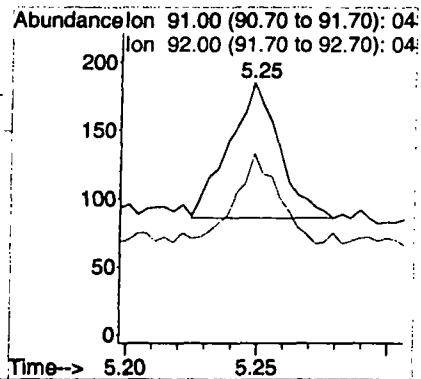
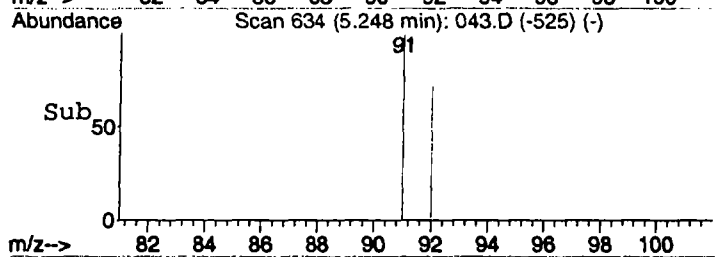




#13
Toluene
Concen: 3.18 ppbv
RT: 5.25 min Scan# 634
Delta R.T. -0.02 min
Lab File: 043.D
Acq: 11 Dec 2007 18:57



Tgt Ion	Ratio	Lower	Upper
91	100		
92	55.3	46.9	70.3



Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\2007\20071212\011.D Vial: 1
Acq On : 12 Dec 2007 8:57 Operator:
Sample : 20071212MBK-2 / METHOD BLANK Inst : Instrumen
Disc : 5 ML / 12 DEC 2007 Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Jan 08 15:21:50 2008 Quant Results File: LOOP20071212.RES

Quant Method : C:\MSDCHEM\1...\LOOP20071212.M (RTE Integrator)
Title : VOC
Last Update : Tue Jan 08 15:15:22 2008
Response via : Initial Calibration
DataAcq Meth : LOOPSIMI

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	4.26	49	910m	10.00	ppbv	0.00
9) 1,4-Difluorobenzene	4.60	114	2152m	10.00	ppbv	0.00
12) Chlorobenzene-d5	6.00	117	1963	10.00	ppbv	0.00

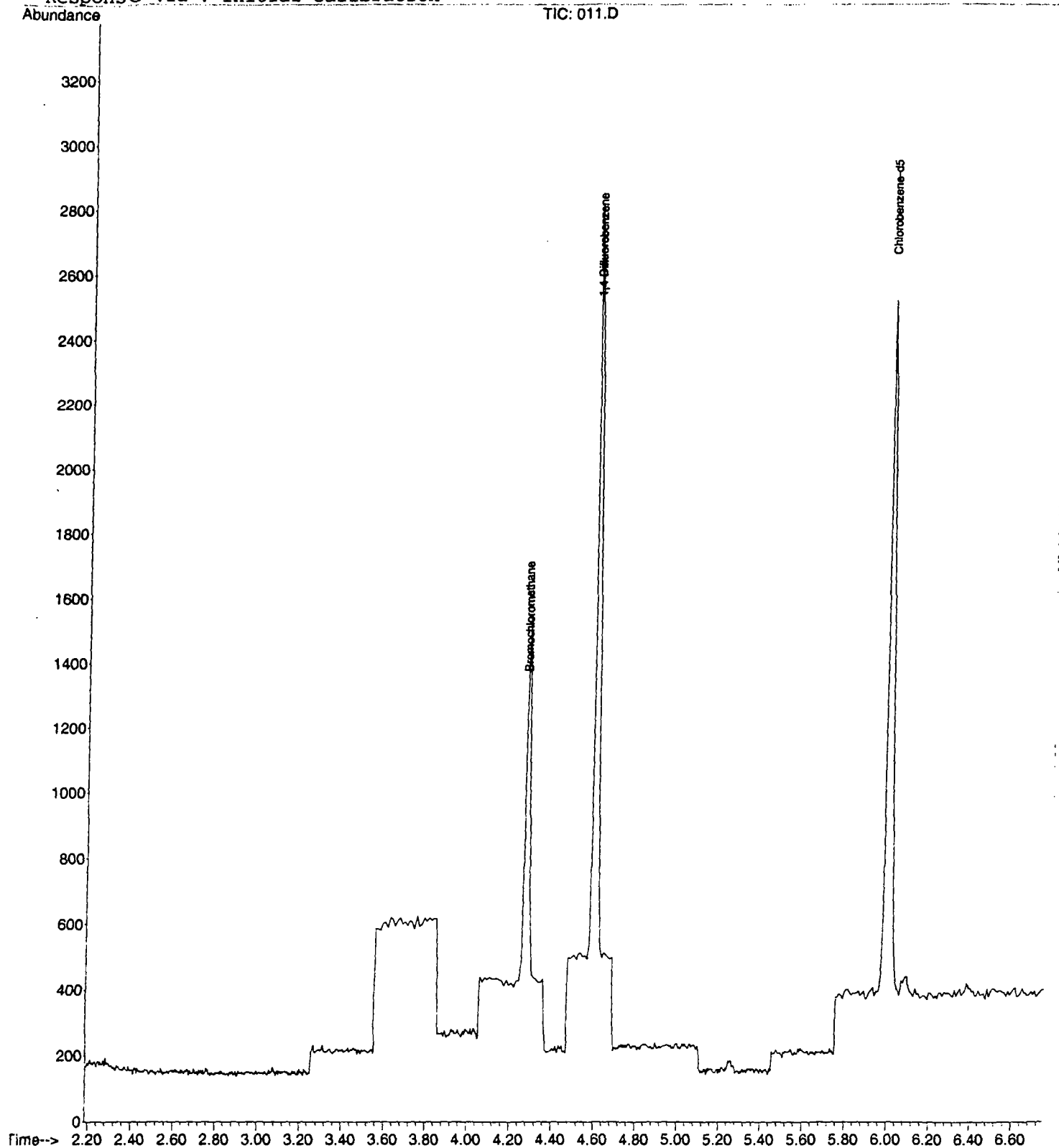
Target Compounds Qvalue

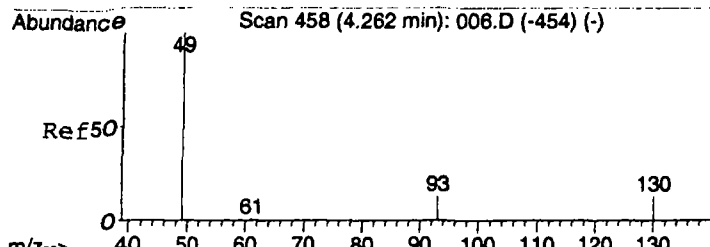
Data File : C:\MSDCHEM\1\DATA\2007\20071212\011.D
Acq On : 12 Dec 2007 8:57
Sample : 20071212MBK-2 / METHOD BLANK
Misc : 5 ML / 12 DEC 2007
MS Integration Params: rteint.p
Quant Time: Jan 8 15:36 2008

Vial: 1
Operator:
Inst : Instrumen
Multiplr: 1.00

Quant Results File: LOOP20071212.RES

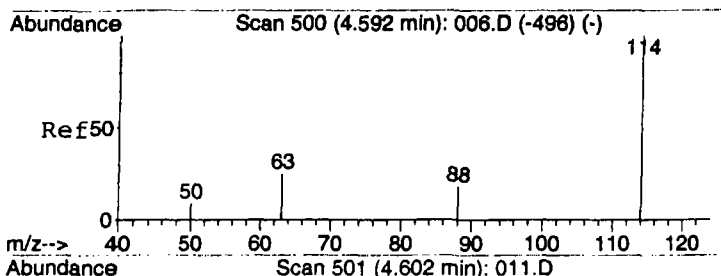
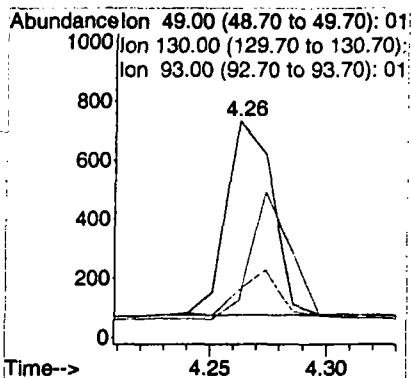
Method : C:\MSDCHEM\1\METHODS\LOOP20071212.M (RTE Integrator)
Title : VOC
Last Update : Tue Jan 08 15:15:22 2008
Response via : Initial Calibration





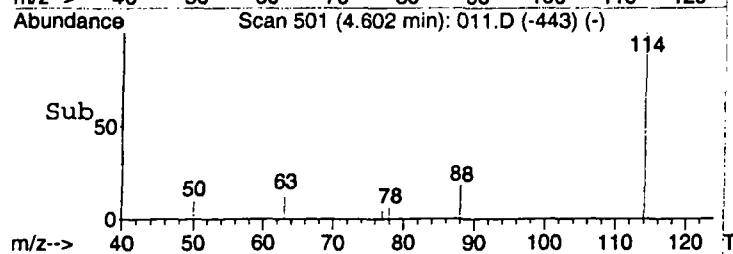
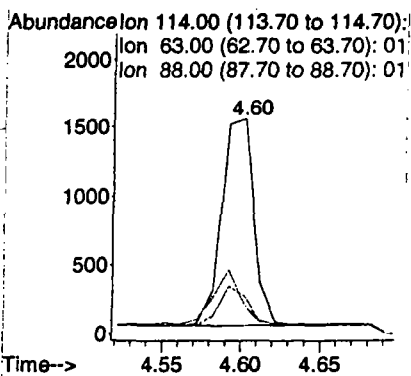
#1
Bromochloromethane
Concen: 10.00 ppbv m
RT: 4.26 min Scan# 458
Delta R.T. -0.00 min
Lab File: 011.D
Acq: 12 Dec 2007 8:57

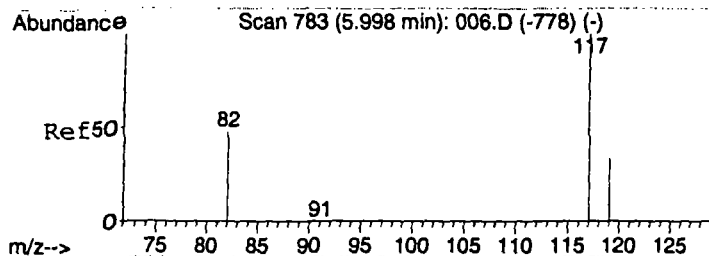
Tgt Ion: 49 Resp: 910
Ion Ratio Lower Upper
49 100
130 98.0 105.7 158.5#
93 20.7 24.4 36.6#



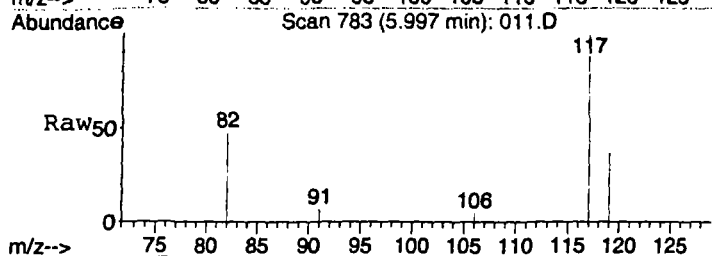
#9
1,4-Difluorobenzene
Concen: 10.00 ppbv m
RT: 4.60 min Scan# 501
Delta R.T. 0.01 min
Lab File: 011.D
Acq: 12 Dec 2007 8:57

Tgt Ion: 114 Resp: 2152
Ion Ratio Lower Upper
114 100
63 24.8 15.4 23.2#
88 17.3 11.8 17.6



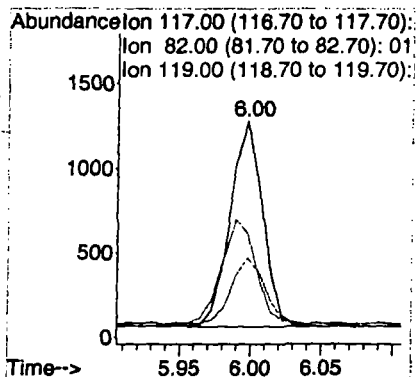
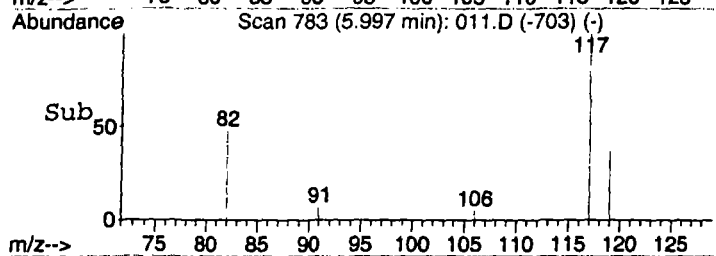


#12
 Chlorobenzene-d5
 Concen: 10.00 ppbv
 RT: 6.00 min Scan# 783
 Delta R.T. -0.00 min
 Lab File: 011.D
 Acq: 12 Dec 2007 8:57



Tgt Ion: 117 Resp: 1963

Ion	Ratio	Lower	Upper
117	100		
82	53.0	41.0	61.6
119	33.4	25.5	38.3



Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\2007\20071212\012.D Vial: 1
 Acq On : 12 Dec 2007 9:09 Operator: CWS
 Sample : 20071212LBK-1 / TEDLAR BAG BLANK Inst : Instrumen
 Misc : 5 ML / 12 DEC 2007 Multiplr: 1.00
 MS Integration Params: rteint.p
 Quant Time: Jan 08 15:36:52 2008 Quant Results File: LOOP20071212.RES

Quant Method : C:\MSDCHEM\1...\LOOP20071212.M (RTE Integrator)
 Title : VOC
 Last Update : Tue Jan 08 15:15:22 2008
 Response via : Initial Calibration
 DataAcq Meth : LOOPSIMI

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	4.26	49	871m	10.00	ppbv	0.00
9) 1,4-Difluorobenzene	4.60	114	2113m	10.00	ppbv	0.01
12) Chlorobenzene-d5	6.00	117	1942	10.00	ppbv	0.00

Target Compounds Qvalue

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\2007\20071212\012.D

Vial: 1

Acq On : 12 Dec 2007 9:09

Operator: CWS

Sample : 20071212LBK-1 / TEDLAR BAG BLANK

Inst : Instrumen

Misc : 5 ML / 12 DEC 2007

Multiplr: 1.00

MS Integration Params: rteint.p

Quant Time: Jan 8 15:38 2008

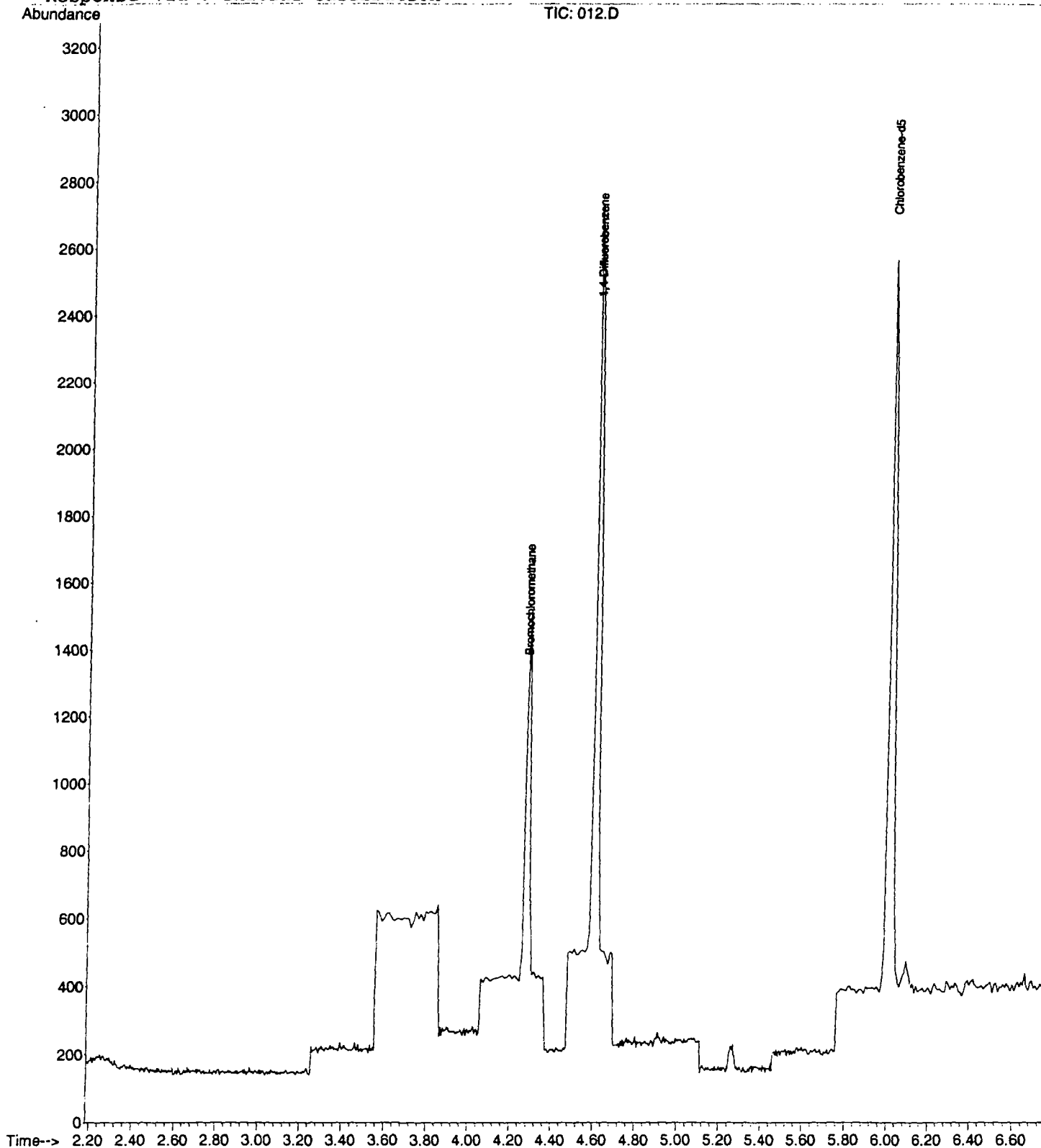
Quant Results File: LOOP20071212.RES

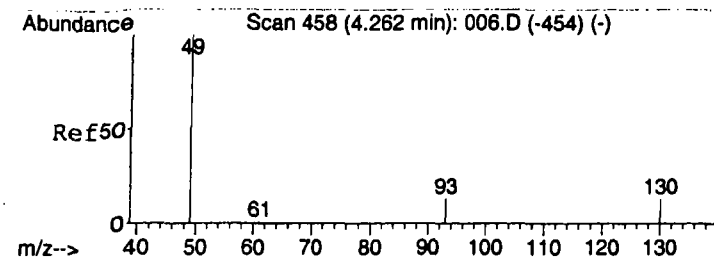
Method : C:\MSDCHEM\1\METHODS\LOOP20071212.M (RTE Integrator)

Title : VOC

Last Update : Tue Jan 08 15:15:22 2008

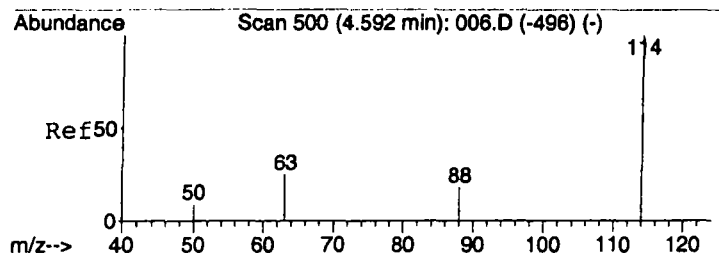
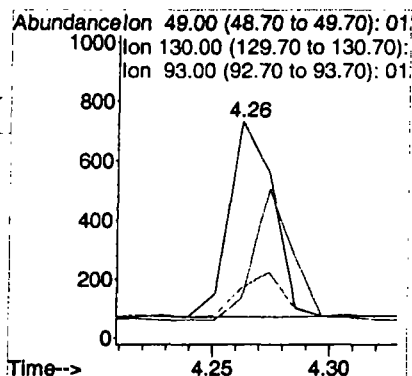
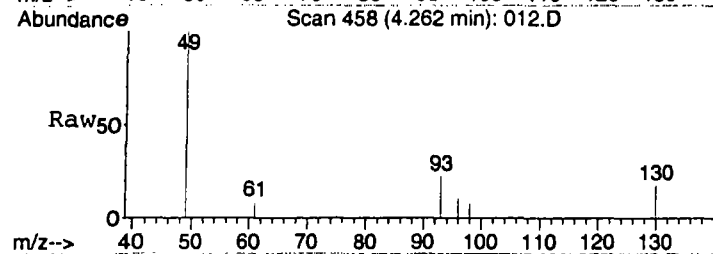
Response via : Initial Calibration





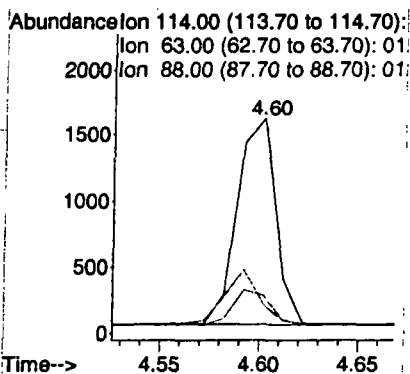
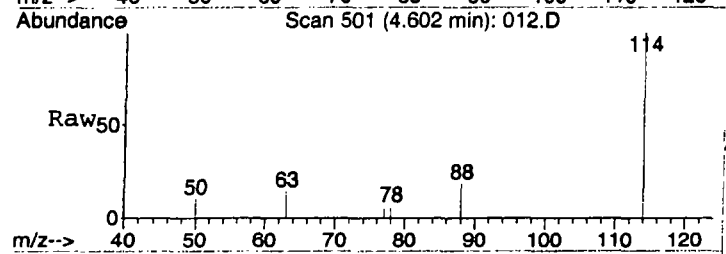
#1
Bromochloromethane
Concen: 10.00 ppbv m
RT: 4.26 min Scan# 458
Delta R.T. 0.00 min
Lab File: 012.D
Acq: 12 Dec 2007 9:09

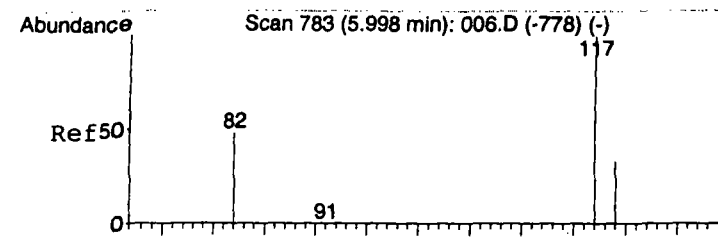
Tgt Ion: 49 Resp: 871
Ion Ratio Lower Upper
49 100
130 107.9 105.7 158.5
93 76.9 24.4 36.6#



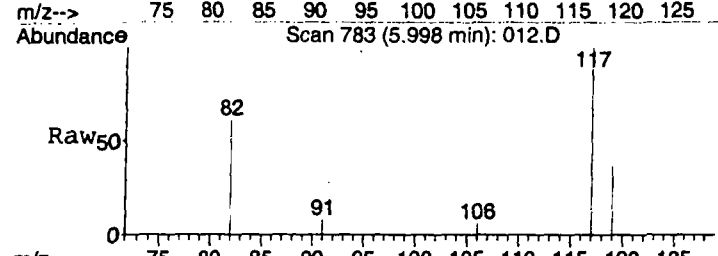
#9
1,4-Difluorobenzene
Concen: 10.00 ppbv m
RT: 4.60 min Scan# 501
Delta R.T. 0.01 min
Lab File: 012.D
Acq: 12 Dec 2007 9:09

Tgt Ion: 114 Resp: 2113
Ion Ratio Lower Upper
114 100
63 30.6 15.4 23.2#
88 21.8 11.8 17.6#



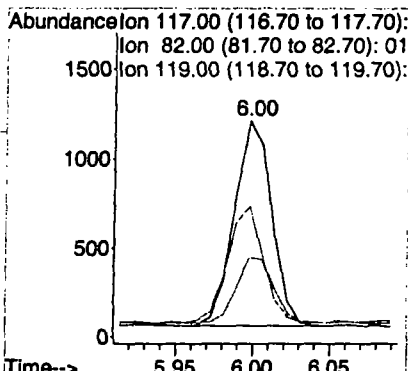
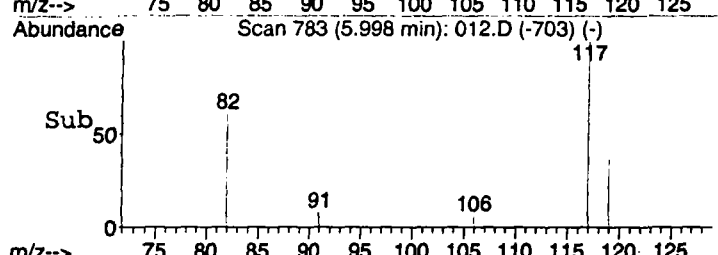


#12
 Chlorobenzene-d5
 Concen: 10.00 ppbv
 RT: 6.00 min Scan# 783
 Delta R.T. 0.00 min
 Lab File: 012.D
 Acq: 12 Dec 2007 9:09



Tgt Ion: 117 Resp: 1942

Ion	Ratio	Lower	Upper
117	100		
82	54.6	41.0	61.6
119	31.9	25.5	38.3



Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\2007\20071212\013.D Vial: 1
 Acq On : 12 Dec 2007 10:49 Operator: CWS
 Sample : 4459 / AMBIENT Inst : Instrumen
 Misc : 5 ML / 12 DEC 2007 Multiplr: 1.00
 MS Integration Params: rteint.p
 Quant Time: Jan 08 15:40:31 2008 Quant Results File: LOOP20071212.RES

Quant Method : C:\MSDCHEM\1...\LOOP20071212.M (RTE Integrator)
 Title : VOC
 Last Update : Tue Jan 08 15:15:22 2008
 Response via : Initial Calibration
 DataAcq Meth : LOOPSIMI

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	4.26	49	874m	10.00	ppbv	0.00
9) 1,4-Difluorobenzene	4.59	114	2104	10.00	ppbv	0.00
12) Chlorobenzene-d5	6.00	117	1953	10.00	ppbv	0.00
Target Compounds						Qvalue
13) Toluene	5.25	91	121	0.68	ppbv	# 82

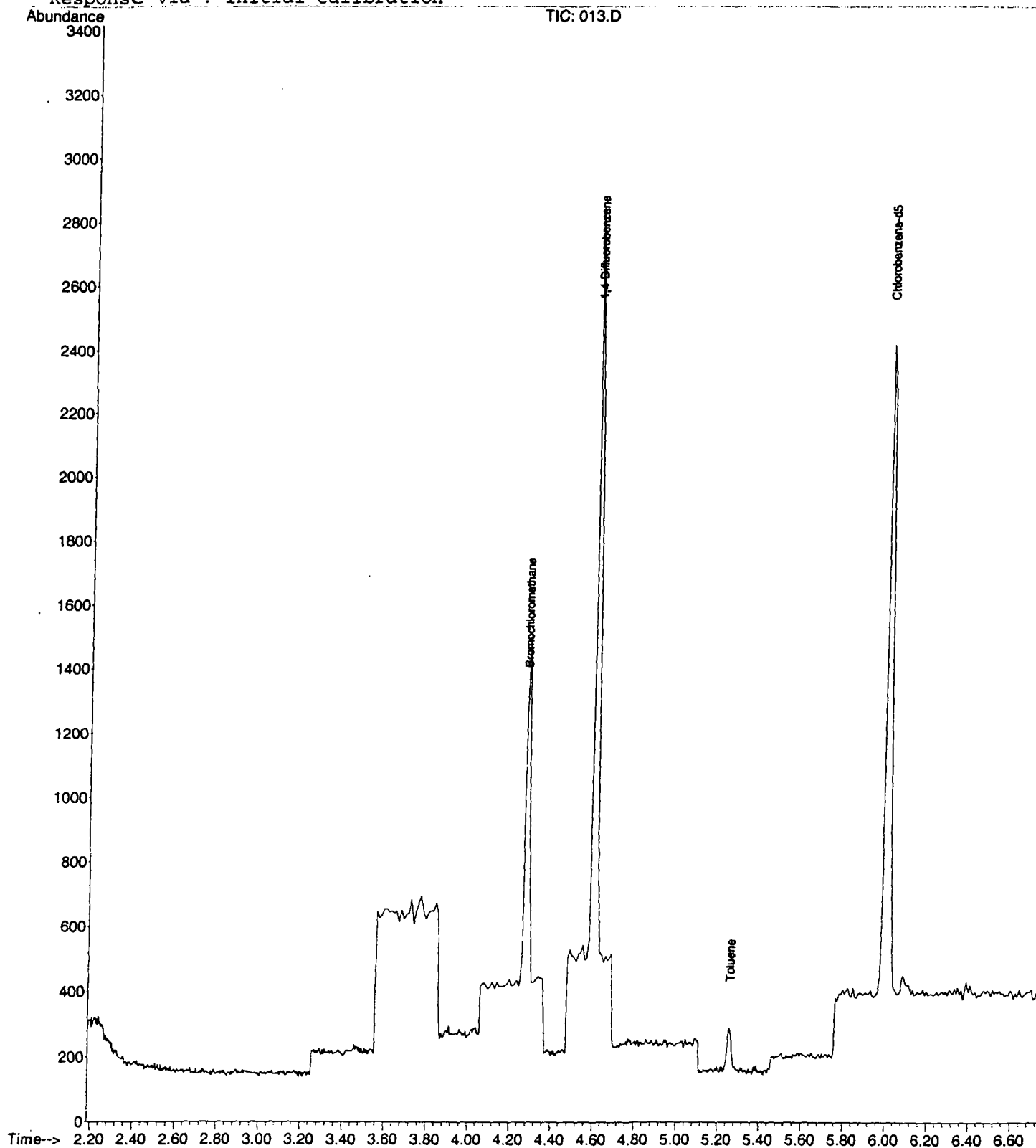
Quantitation Report (QT Reviewed)

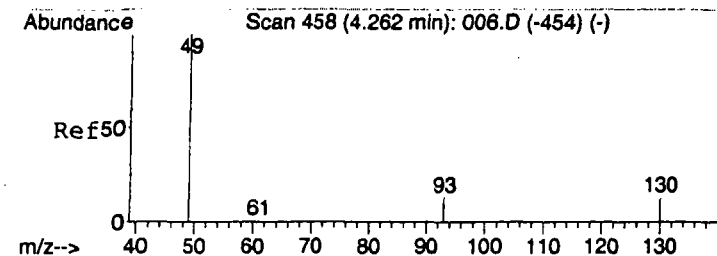
Data File : C:\MSDCHEM\1\DATA\2007\20071212\013.D
 Acq On : 12 Dec 2007 10:49
 Sample : 4459 / AMBIENT
 Misc : 5 ML / 12 DEC 2007
 MS Integration Params: rteint.p
 Quant Time: Jan 8 15:41 2008

Vial: 1
 Operator: CWS
 Inst : Instrumen
 Multiplr: 1.00

Quant Results File: LOOP20071212.RES

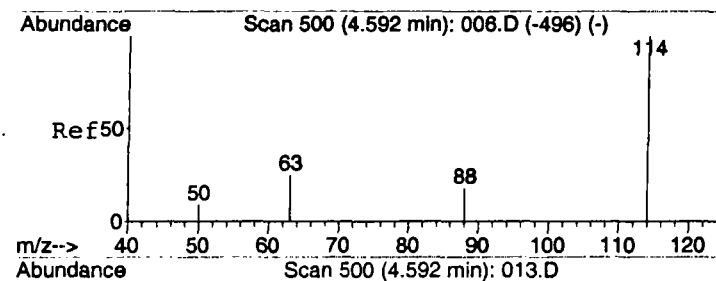
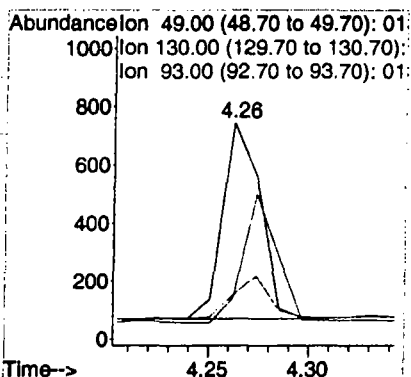
Method : C:\MSDCHEM\1\METHODS\LOOP20071212.M (RTE Integrator)
 Title : VOC
 Last Update : Tue Jan 08 15:15:22 2008
 Response via : Initial Calibration





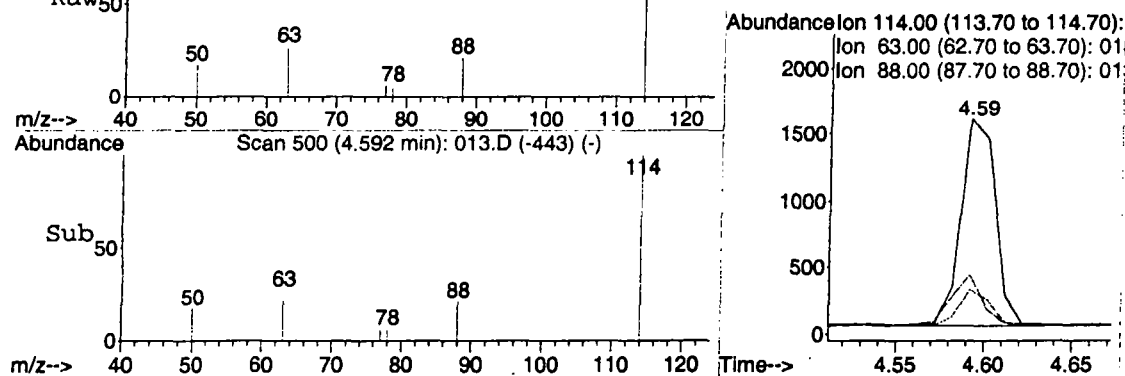
#1
Bromochloromethane
Concen: 10.00 ppbv m
RT: 4.26 min Scan# 458
Delta R.T. 0.00 min
Lab File: 013.D
Acq: 12 Dec 2007 10:49

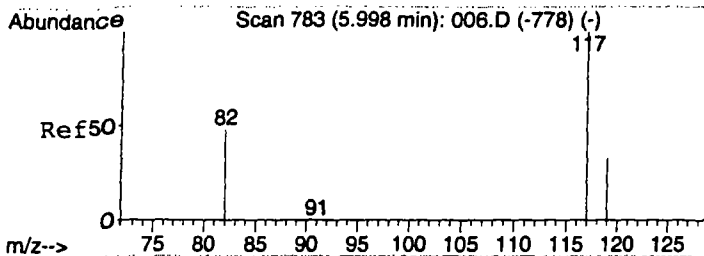
Tgt Ion	Ratio	Lower	Upper
49	100		
130	103.5	105.7	158.5#
93	20.4	24.4	36.6#



#9
1,4-Difluorobenzene
Concen: 10.00 ppbv
RT: 4.59 min Scan# 500
Delta R.T. 0.00 min
Lab File: 013.D
Acq: 12 Dec 2007 10:49

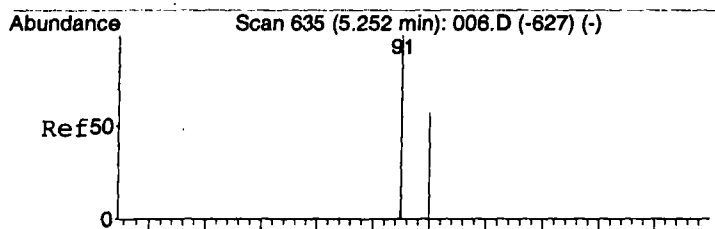
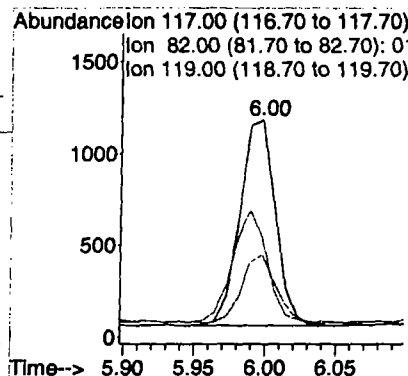
Tgt Ion	Ratio	Lower	Upper
114	100		
63	26.2	15.4	23.2#
88	20.8	11.8	17.6#





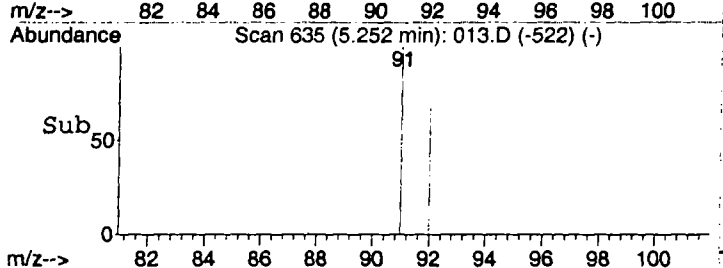
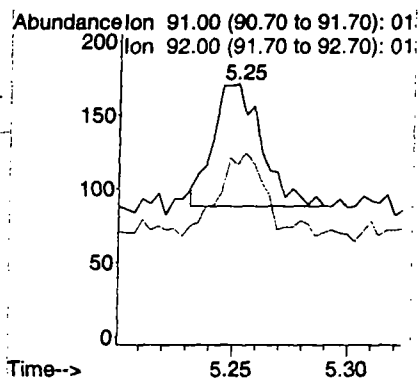
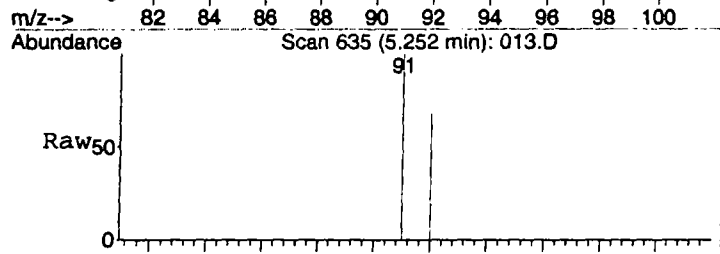
#12
Chlorobenzene-d5
Concen: 10.00 ppbv
RT: 6.00 min Scan# 783
Delta R.T. 0.00 min
Lab File: 013.D
Acq: 12 Dec 2007 10:49

Tgt Ion: 117 Resp: 1953
Ion Ratio Lower Upper
117 100
82 53.1 41.0 61.6
119 31.1 25.5 38.3



#13
Toluene
Concen: 0.68 ppbv
RT: 5.25 min Scan# 635
Delta R.T. 0.00 min
Lab File: 013.D
Acq: 12 Dec 2007 10:49

Tgt Ion: 91 Resp: 121
Ion Ratio Lower Upper
91 100
92 45.5 46.9 70.3#



Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\2007\20071212\014.D Vial: 1
 Acq On : 12 Dec 2007 11:00 Operator: CWS
 Sample : 4458 / MGSS07 Inst : Instrumen
 Misc : 5 ML / 12 DEC 2007 Multiplr: 1.00
 MS Integration Params: rteint.p
 Quant Time: Jan 08 15:42:34 2008 Quant Results File: LOOP20071212.RES

Quant Method : C:\MSDCHEM\1...\LOOP20071212.M (RTE Integrator)
 Title : VOC
 Last Update : Tue Jan 08 15:15:22 2008
 Response via : Initial Calibration
 DataAcq Meth : LOOPSIMI

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	4.26	49	869m	10.00	ppbv	0.00
9) 1,4-Difluorobenzene	4.59	114	2120	10.00	ppbv	0.00
12) Chlorobenzene-d5	5.99	117	1886	10.00	ppbv	0.00
Target Compounds						
3) 1,1-Dichloroethene	3.26	61	53	0.75	ppbv #	Qvalue 1

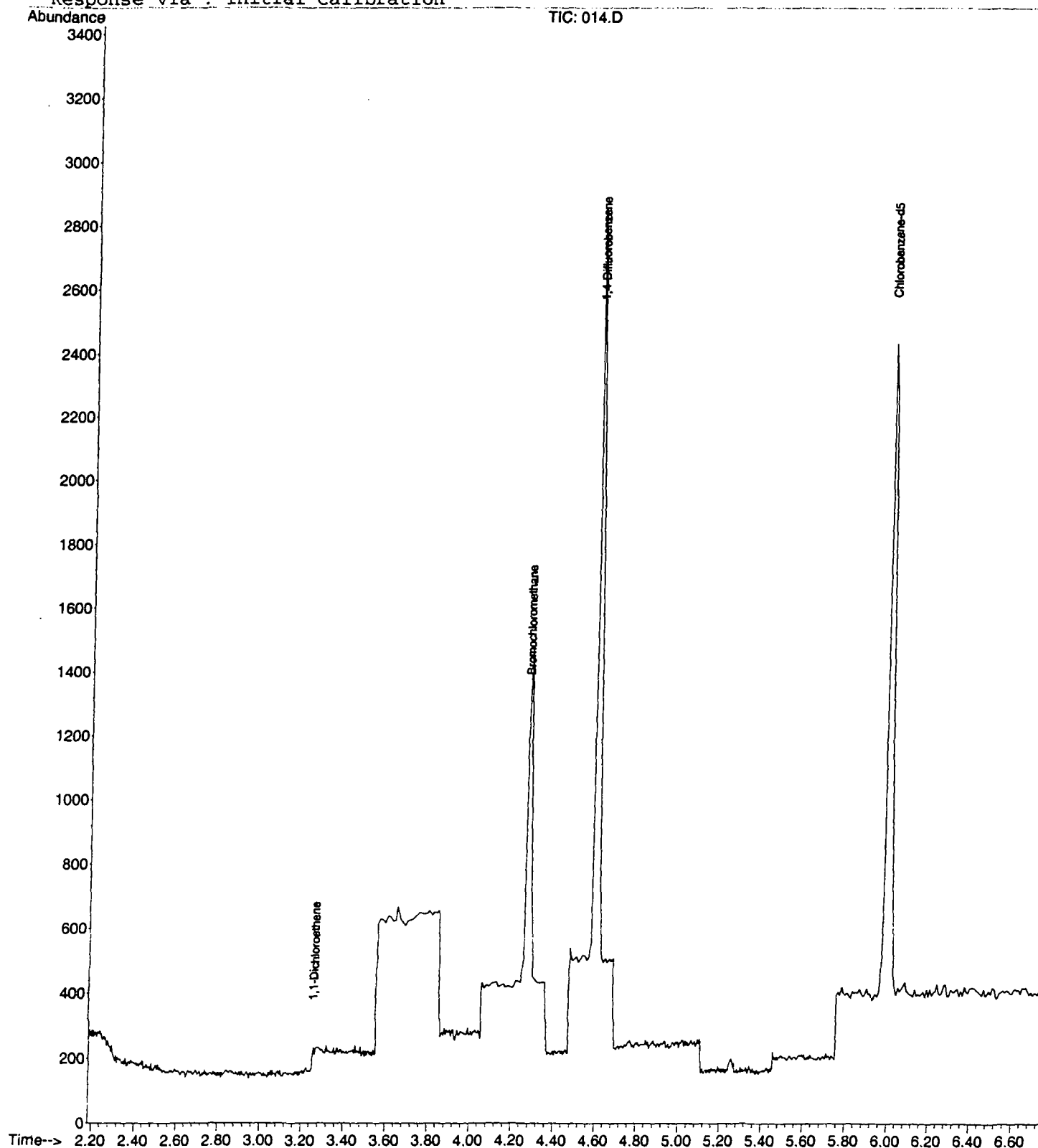
Quantitation Report (QT Reviewed)

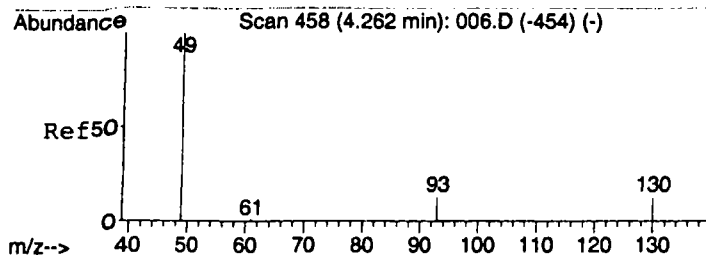
Data File : C:\MSDCHEM\1\DATA\2007\20071212\014.D
 Acq On : 12 Dec 2007 11:00
 Sample : 4458 / MGSS07
 Misc : 5 ML / 12 DEC 2007
 MS Integration Params: rteint.p
 Quant Time: Jan 8 15:44 2008

Vial: 1
 Operator: CWS
 Inst : Instrumen
 Multiplr: 1.00

Quant Results File: LOOP20071212.RES

Method : C:\MSDCHEM\1\METHODS\LOOP20071212.M (RTE Integrator)
 Title : VOC
 Last Update : Tue Jan 08 15:15:22 2008
 Response via : Initial Calibration



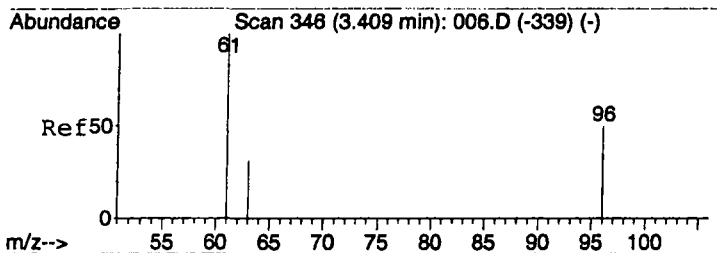
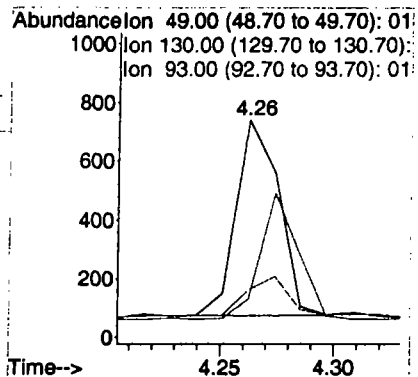
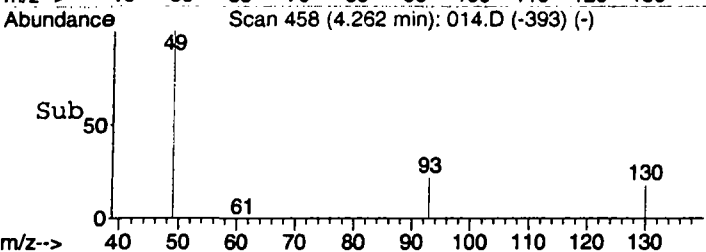
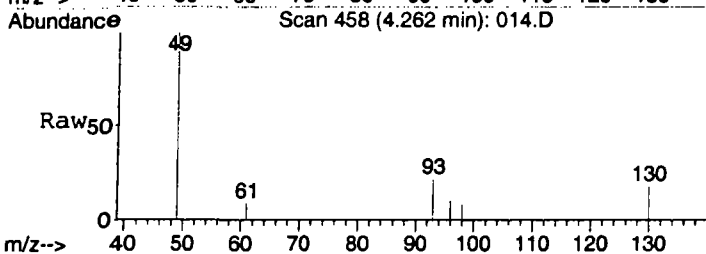


#1

Bromochloromethane

Concen: 10.00 ppbv m
RT: 4.26 min Scan# 458
Delta R.T. 0.00 min
Lab File: 014.D
Acq: 12 Dec 2007 11:00

Tgt Ion: 49 Resp: 869
Ion Ratio Lower Upper
49 100
130 58.2 105.7 158.5#
93 82.4 24.4 36.6#

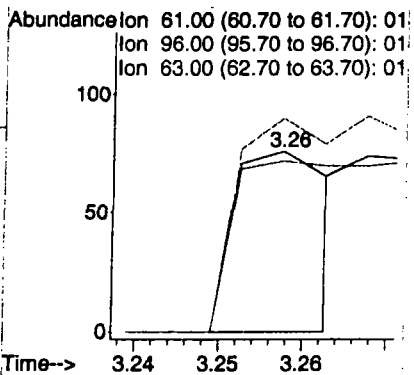
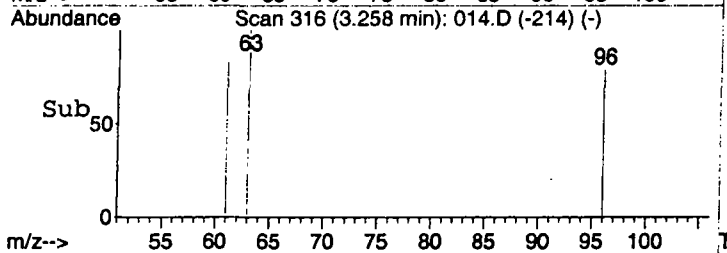
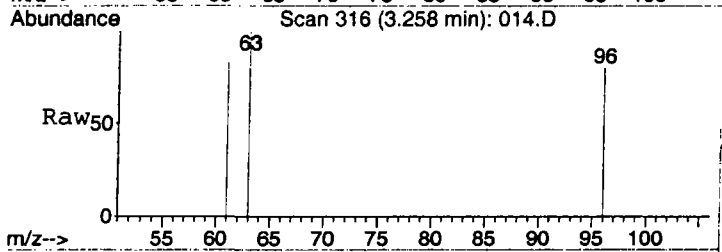


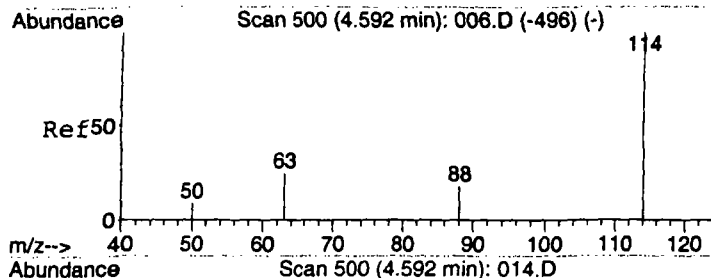
#3

1,1-Dichloroethene

Concen: 0.75 ppbv
RT: 3.26 min Scan# 316
Delta R.T. -0.15 min
Lab File: 014.D
Acq: 12 Dec 2007 11:00

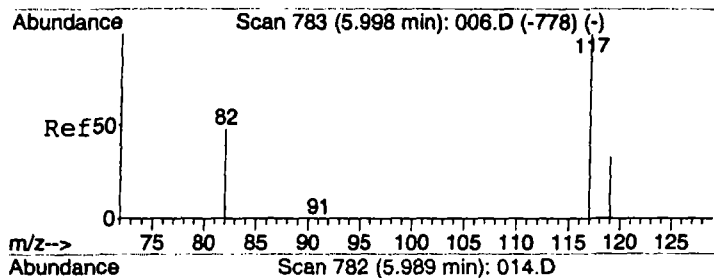
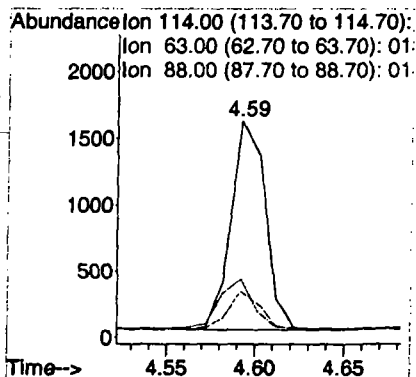
Tgt Ion: 61 Resp: 53
Ion Ratio Lower Upper
61 100
96 303.8 48.4 72.6#
63 258.5 24.4 36.6#





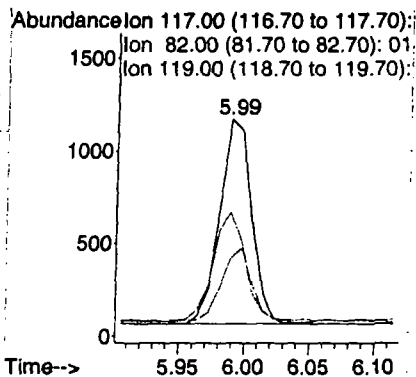
#9
1,4-Difluorobenzene
Concen: 10.00 ppbv
RT: 4.59 min Scan# 500
Delta R.T. 0.00 min
Lab File: 014.D
Acq: 12 Dec 2007 11:00

Tgt Ion	Ratio	Lower	Upper
114	100		
63	23.7	15.4	23.2#
88	19.3	11.8	17.6#



#12
Chlorobenzene-d5
Concen: 10.00 ppbv
RT: 5.99 min Scan# 782
Delta R.T. -0.01 min
Lab File: 014.D
Acq: 12 Dec 2007 11:00

Tgt Ion	Ratio	Lower	Upper
117	100		
82	54.1	41.0	61.6
119	34.6	25.5	38.3



Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\2007\20071212\015.D Vial: 1
 Acq On : 12 Dec 2007 12:09 Operator: CWS
 Sample : 4460/ MSGS8 Inst : Instrumen
 Misc : 5 ML / 12 DEC 2007 Multiplr: 1.00
 MS Integration Params: rteint.p
 Quant Time: Jan 08 15:44:44 2008 Quant Results File: LOOP20071212.RES

Quant Method : C:\MSDCHEM\1...\LOOP20071212.M (RTE Integrator)
 Title : VOC
 Last Update : Tue Jan 08 15:15:22 2008
 Response via : Initial Calibration
 DataAcq Meth : LOOPSIMI

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	4.26	49	837m	10.00	ppbv	0.00
9) 1,4-Difluorobenzene	4.59	114	2047m	10.00	ppbv	0.00
12) Chlorobenzene-d5	6.00	117	1851	10.00	ppbv	0.00
Target Compounds						Qvalue
15) Ethylbenzene	6.07	91	172	0.90	ppbv	# 47
16) m&p-Xylenes	6.07	91	129m	0.95	ppbv	

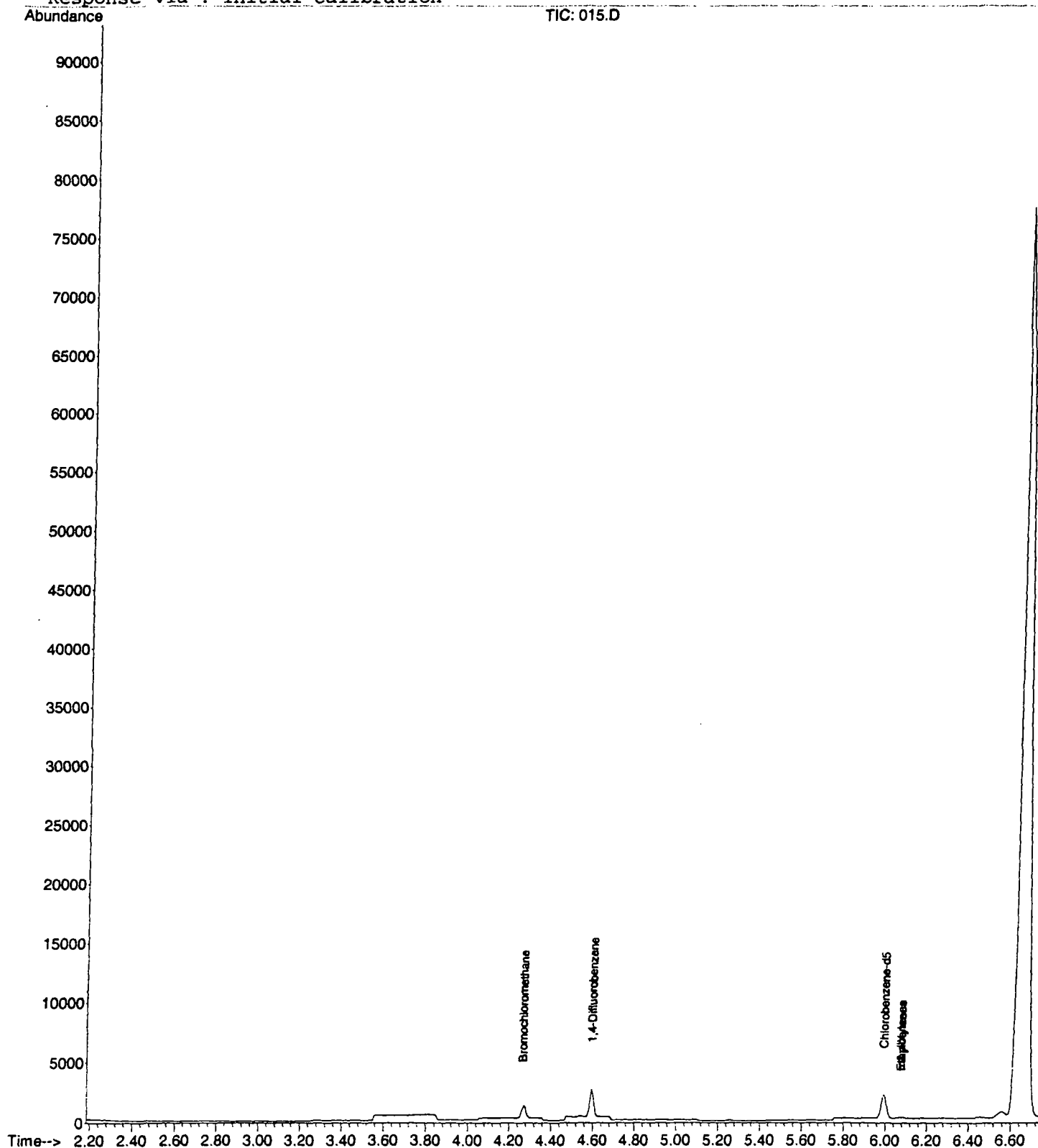
Quantitation Report (QT Reviewed)

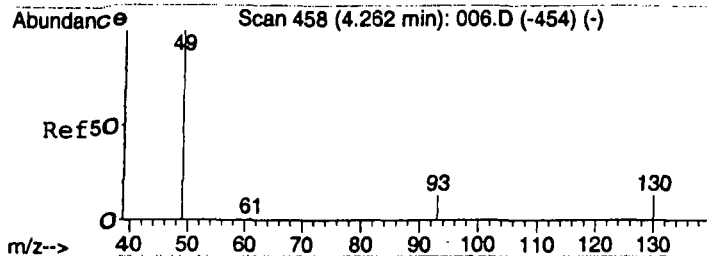
Data File : C:\MSDCHEM\1\DATA\2007\20071212\015.D
 Acq On : 12 Dec 2007 12:09
 Sample : 4460/ MGSG8
 Misc : 5 ML / 12 DEC 2007
 MS Integration Params: rteint.p
 Quant Time: Jan 8 15:46 2008

Vial: 1
 Operator: CWS
 Inst : Instrumen
 Multiplr: 1.00

Quant Results File: LOOP20071212.RES

Method : C:\MSDCHEM\1\METHODS\LOOP20071212.M (RTE Integrator)
 Title : VOC
 Last Update : Tue Jan 08 15:15:22 2008
 Response via : Initial Calibration





#1

Bromochloromethane

Concen: 10.00 ppbv m

RT: 4.26 min Scan# 458

Delta R.T. -0.00 min

Lab File: 015.D

Acq: 12 Dec 2007 12:09

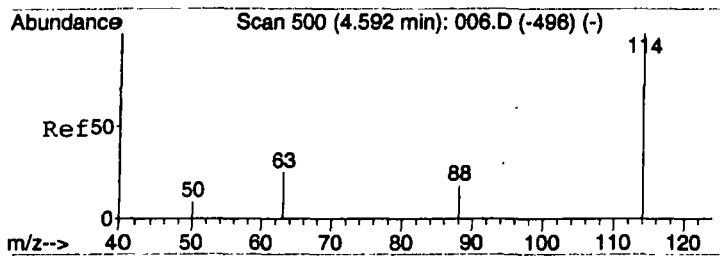
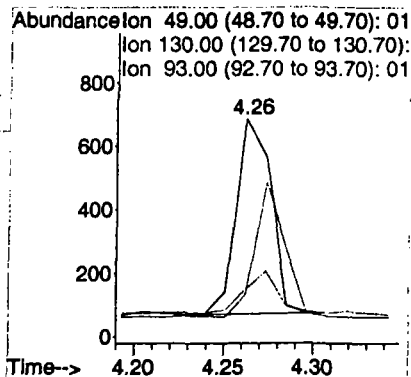
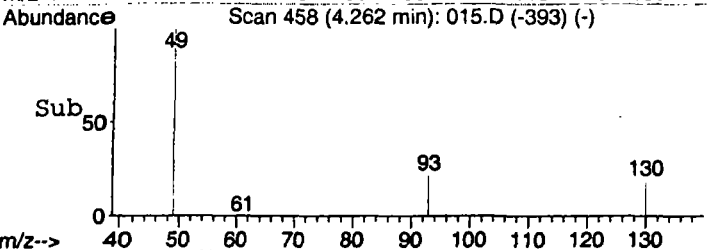
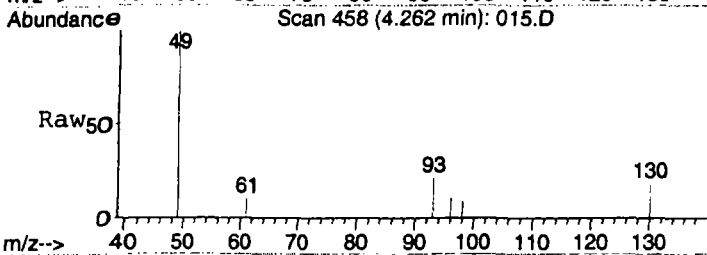
Tgt Ion: 49 Resp: 837

Ion Ratio Lower Upper

49 100

130 104.9 105.7 158.5#

93 76.8 24.4 36.6#



#9

1,4-Difluorobenzene

Concen: 10.00 ppbv m

RT: 4.59 min Scan# 500

Delta R.T. -0.00 min

Lab File: 015.D

Acq: 12 Dec 2007 12:09

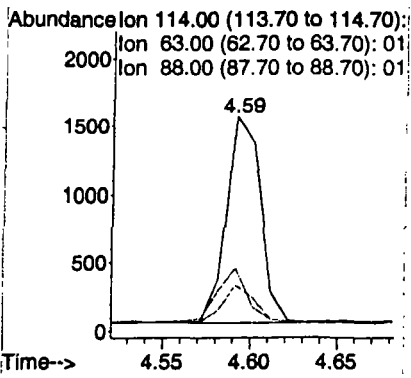
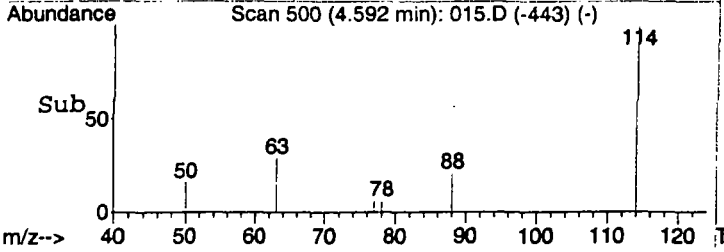
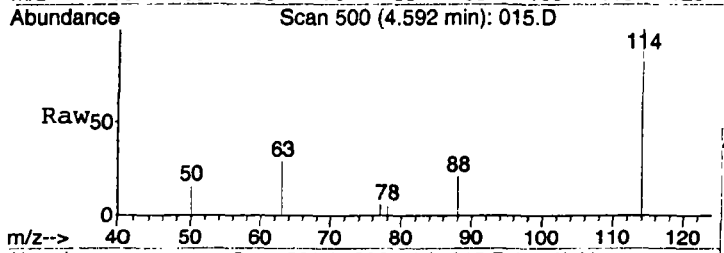
Tgt Ion: 114 Resp: 2047

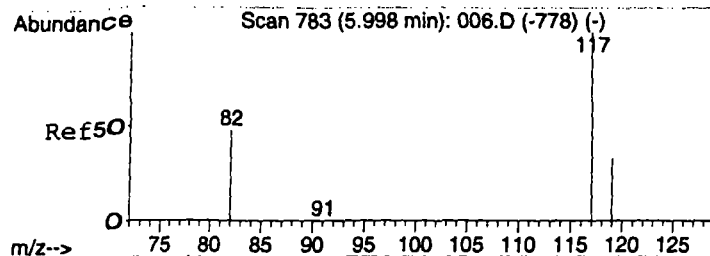
Ion Ratio Lower Upper

114 100

63 25.5 15.4 23.2#

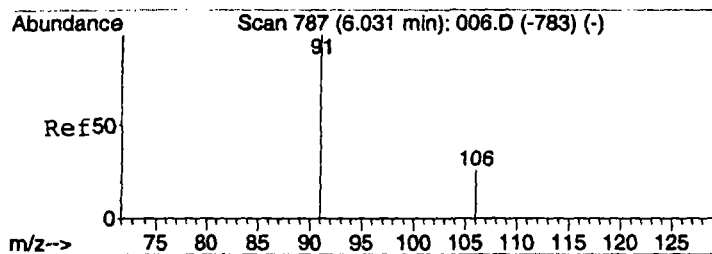
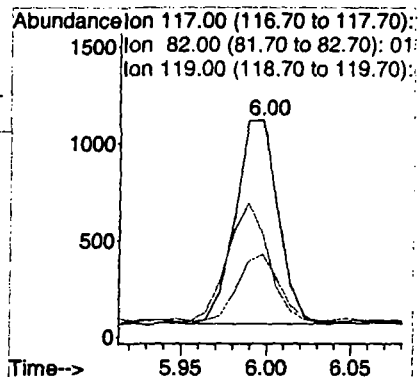
88 40.0 11.8 17.6#





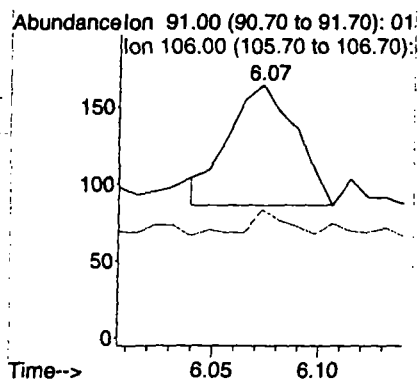
#12
Chlorobenzene-d5
Concen: 10.00 ppbv
RT: 6.00 min Scan# 783
Delta R.T. -0.00 min
Lab File: 015.D
Acq: 12 Dec 2007 12:09

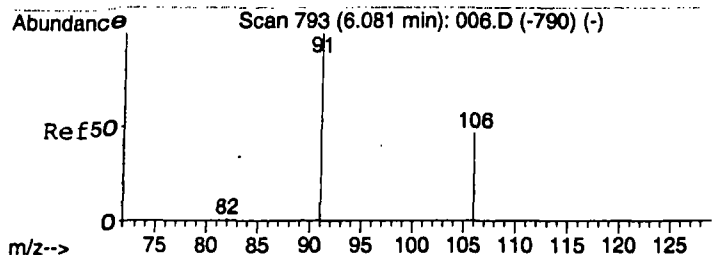
Tgt Ion	Ratio	Lower	Upper
117	100		
82	54.2	41.0	61.6
119	32.8	25.5	38.3



#15
Ethylbenzene
Concen: 0.90 ppbv
RT: 6.07 min Scan# 792
Delta R.T. 0.04 min
Lab File: 015.D
Acq: 12 Dec 2007 12:09

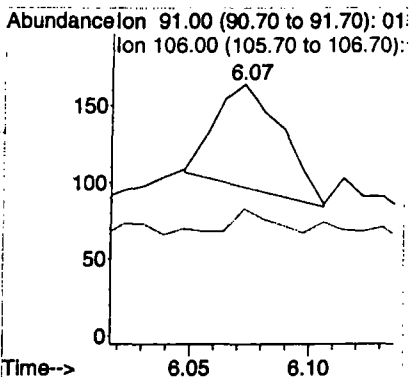
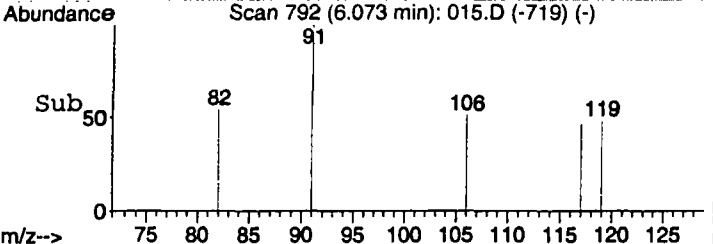
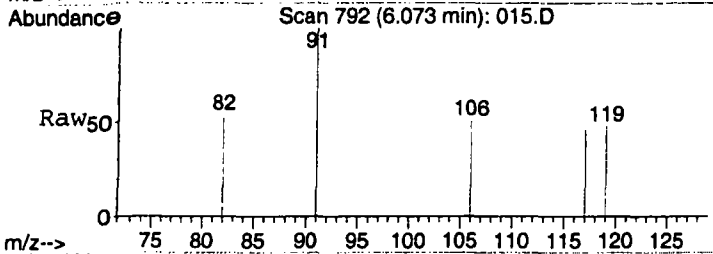
Tgt Ion	Ratio	Lower	Upper
91	100		
106	0.0	22.5	33.7#





#16
 m&p-Xylenes
 Concen: 0.95 ppbv m
 RT: 6.07 min Scan# 792
 Delta R.T. -0.01 min
 Lab File: 015.D
 Acq: 12 Dec 2007 12:09

Tgt Ion: 91 Resp: 129
 Ion Ratio Lower Upper
 91 100
 106 64.3 36.4 54.6#



Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\2007\20071212\016.D Vial: 1
 Acq On : 12 Dec 2007 12:20 Operator: CWS
 Sample : 4461 / MSGS9 Inst : Instrumen
 Misc : 5 ML / 12 DEC 2007 Multiplr: 1.00
 MS Integration Params: rteint.p
 Quant Time: Jan 08 15:47:53 2008 Quant Results File: LOOP20071212.RES

Quant Method : C:\MSDCHEM\1...\LOOP20071212.M (RTE Integrator)
 Title : VOC
 Last Update : Tue Jan 08 15:15:22 2008
 Response via : Initial Calibration
 DataAcq Meth : LOOPSIMI

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	4.26	49	885m	10.00	ppbv	0.00
9) 1,4-Difluorobenzene	4.59	114	2072m	10.00	ppbv	0.00
12) Chlorobenzene-d5	5.99	117	2000	10.00	ppbv	0.00
Target Compounds						Qvalue
10) Benzene	4.54	78	453m	3.31	ppbv	
13) Toluene	5.25	91	666	3.67	ppbv	89
14) Tetrachloroethene	5.46	166	65	0.71	ppbv #	1
15) Ethylbenzene	6.02	91	124	0.60	ppbv #	47
16) m&p-Xylenes	6.07	91	124	0.85	ppbv #	31

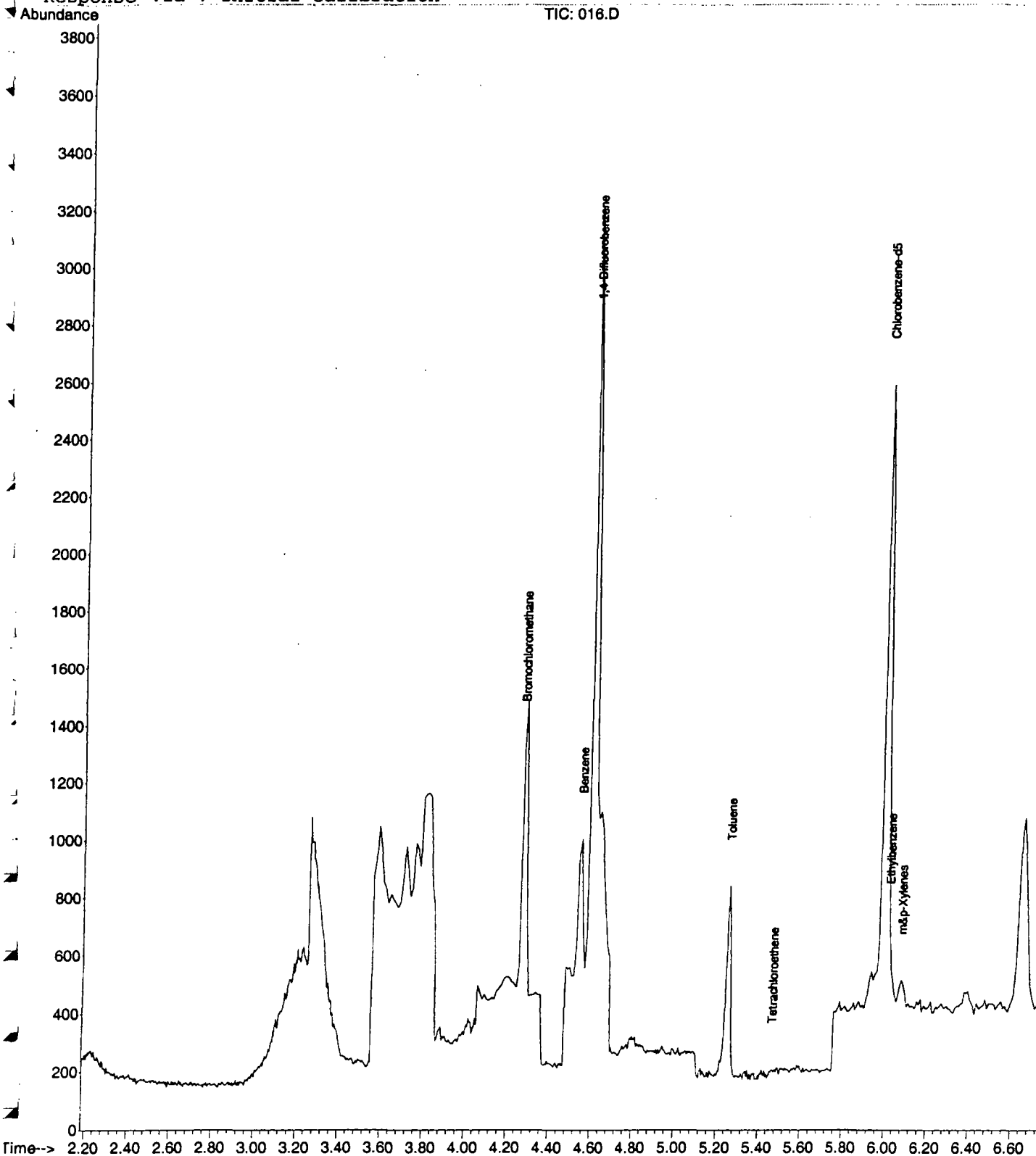
Quantitation Report (QT Reviewed)

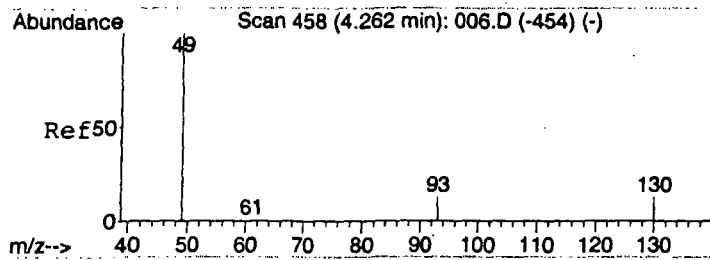
Data File : C:\MSDCHEM\1\DATA\2007\20071212\016.D
 Acq On : 12 Dec 2007 12:20
 Sample : 4461 / MSGS9
 Misc : 5 ML / 12 DEC 2007
 MS Integration Params: rteint.p
 Quant Time: Jan 8 15:49 2008

Vial: 1
 Operator: CWS
 Inst : Instrumen
 Multiplr: 1.00

Quant Results File: LOOP20071212.RES

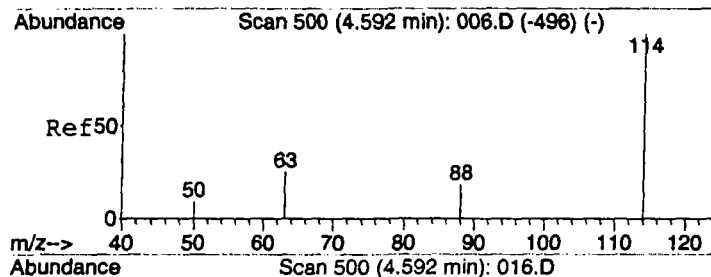
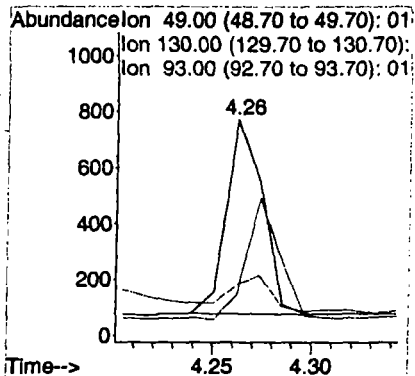
Method : C:\MSDCHEM\1\METHODS\LOOP20071212.M (RTE Integrator)
 Title : VOC
 Last Update : Tue Jan 08 15:15:22 2008
 Response via : Initial Calibration





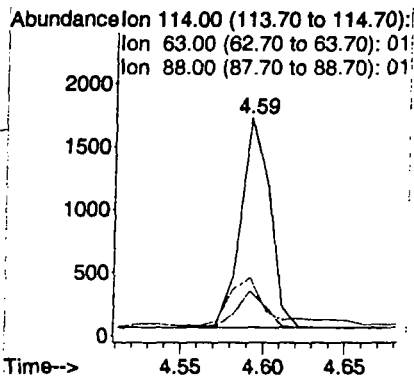
#1
Bromochloromethane
Concen: 10.00 ppbv m
RT: 4.26 min Scan# 458
Delta R.T. -0.00 min
Lab File: 016.D
Acq: 12 Dec 2007 12:20

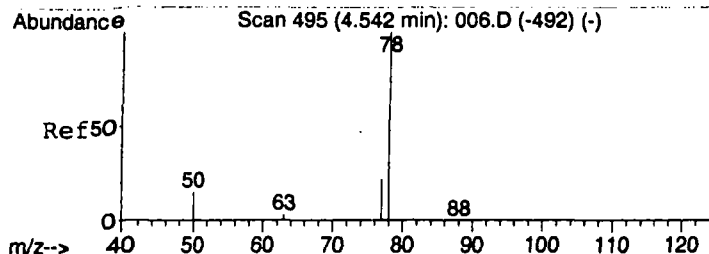
Tgt Ion: 49 Resp: 885
Ion Ratio Lower Upper
49 100
130 56.9 105.7 158.5#
93 75.5 24.4 36.6#



#9
1,4-Difluorobenzene
Concen: 10.00 ppbv m
RT: 4.59 min Scan# 500
Delta R.T. -0.00 min
Lab File: 016.D
Acq: 12 Dec 2007 12:20

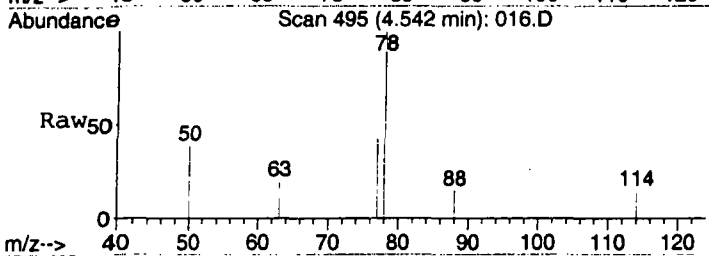
Tgt Ion: 114 Resp: 2072
Ion Ratio Lower Upper
114 100
63 57.5 15.4 23.2#
88 17.3 11.8 17.6





#10
Benzene
Concen: 3.31 ppbv m
RT: 4.54 min Scan# 495
Delta R.T. -0.00 min
Lab File: 016.D
Acq: 12 Dec 2007 12:20

Tgt Ion	Ratio	Lower	Upper
78	100		
77	113.7	20.5	30.7#
50	43.0	15.9	23.9#

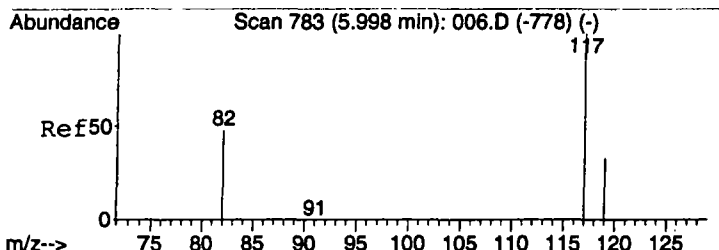
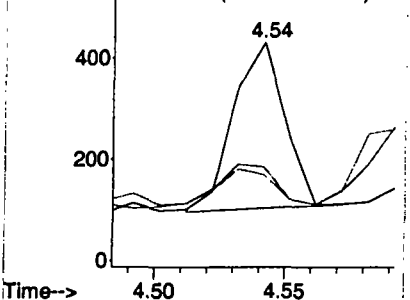
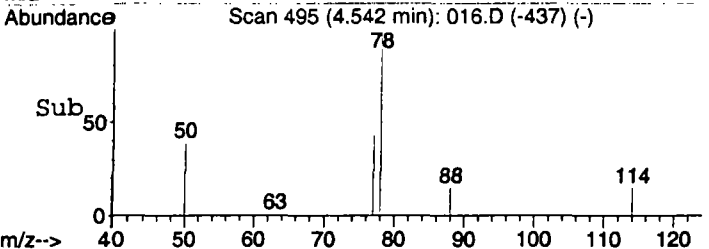


Abundance

Ion 78.00 (77.70 to 78.70): 01

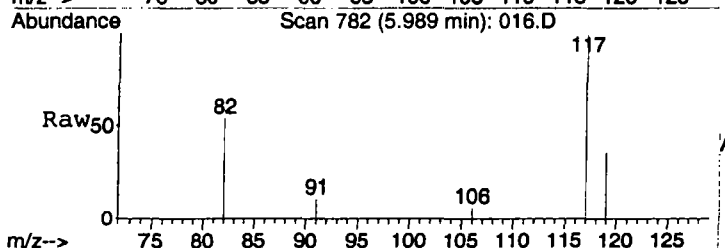
Ion 77.00 (76.70 to 77.70): 01

Ion 50.00 (49.70 to 50.70): 01



#12
Chlorobenzene-d5
Concen: 10.00 ppbv
RT: 5.99 min Scan# 782
Delta R.T. -0.01 min
Lab File: 016.D
Acq: 12 Dec 2007 12:20

Tgt Ion	Ratio	Lower	Upper
117	100		
82	52.2	41.0	61.6
119	35.8	25.5	38.3

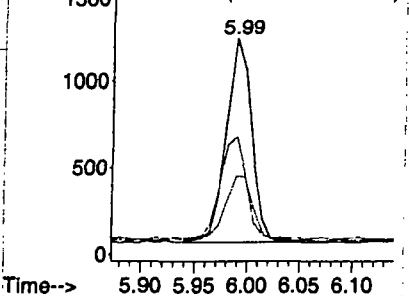
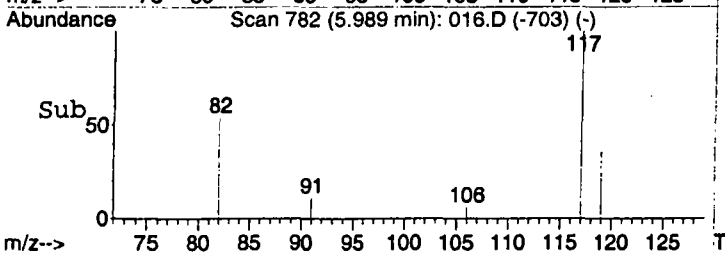


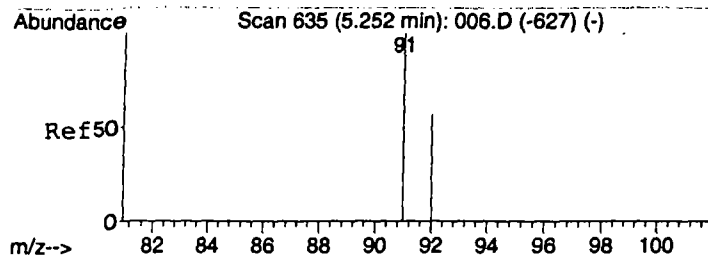
Abundance

Ion 117.00 (116.70 to 117.70): 01

Ion 82.00 (81.70 to 82.70): 01

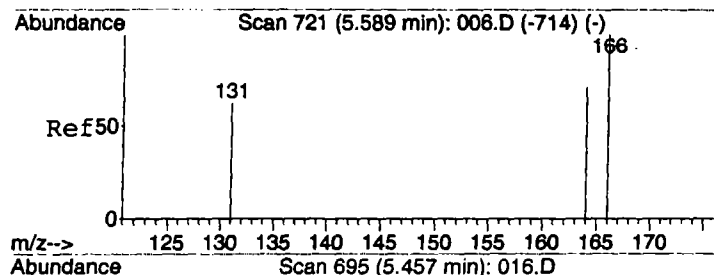
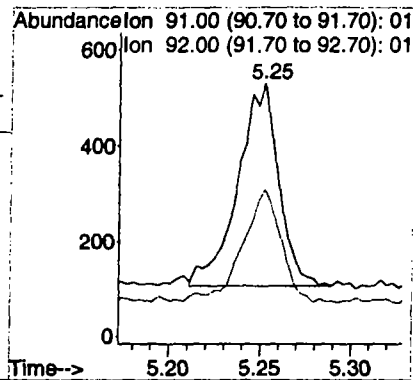
Ion 119.00 (118.70 to 119.70): 01





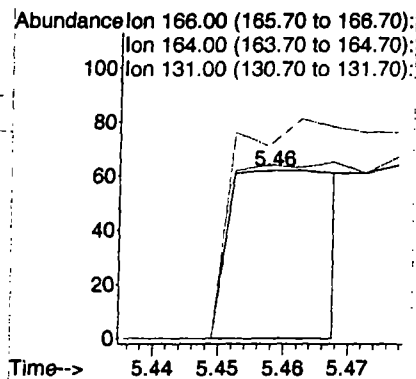
#13
Toluene
Concen: 3.67 ppbv
RT: 5.25 min Scan# 635
Delta R.T. -0.00 min
Lab File: 016.D
Acq: 12 Dec 2007 12:20

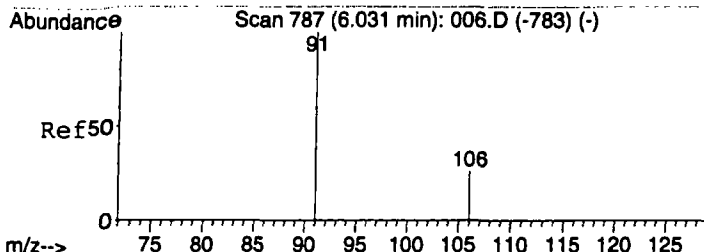
Tgt Ion	Ratio	Lower	Upper
91	100		
92	50.3	46.9	70.3



#14
Tetrachloroethene
Concen: 0.71 ppbv
RT: 5.46 min Scan# 695
Delta R.T. -0.13 min
Lab File: 016.D
Acq: 12 Dec 2007 12:20

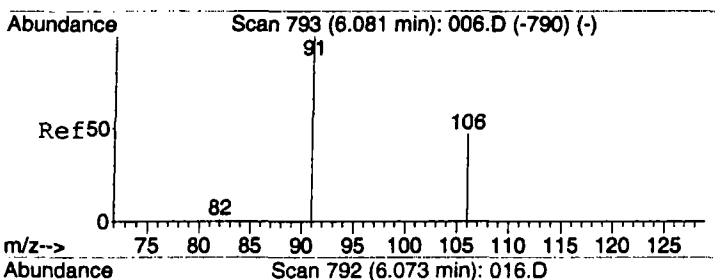
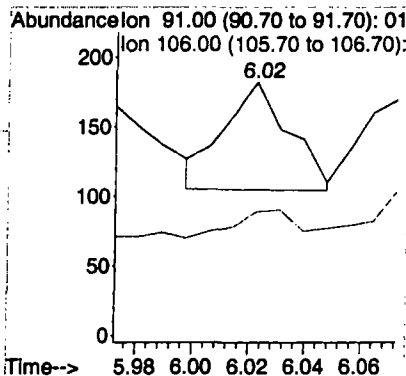
Tgt Ion	Ratio	Lower	Upper
166	100		
164	130.8	62.8	94.2#
131	226.2	56.9	85.3#





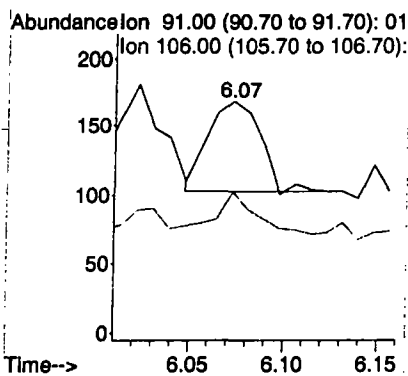
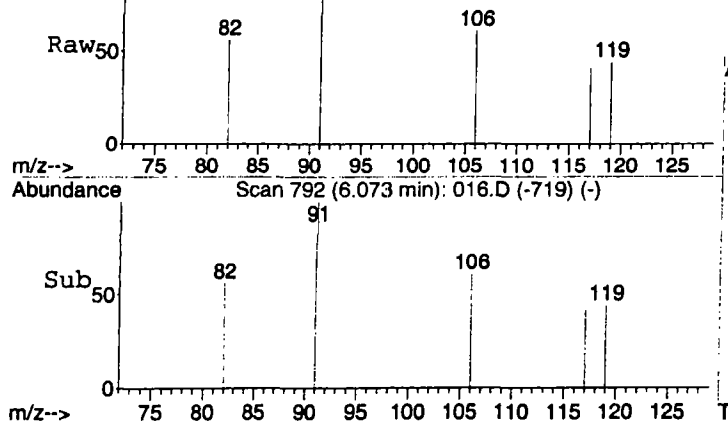
#15
Ethylbenzene
Concen: 0.60 ppbv
RT: 6.02 min Scan# 786
Delta R.T. -0.01 min
Lab File: 016.D
Acq: 12 Dec 2007 12:20

Tgt Ion: 91 Resp: 124
Ion Ratio Lower Upper
91 100
106 0.0 22.5 33.7#



#16
m&p-Xylenes
Concen: 0.85 ppbv
RT: 6.07 min Scan# 792
Delta R.T. -0.01 min
Lab File: 016.D
Acq: 12 Dec 2007 12:20

Tgt Ion: 91 Resp: 124
Ion Ratio Lower Upper
91 100
106 0.0 36.4 54.6#



Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\2007\20071212\017.D Vial: 1
 Acq On : 12 Dec 2007 12:31 Operator: CWS
 Sample : 4462 / MGSG10 Inst : Instrumen
 Misc : 5 ML / 12 DEC 2007 Multiplr: 1.00
 MS Integration Params: rteint.p
 Quant Time: Jan 08 15:50:31 2008 Quant Results File: LOOP20071212.RES

Quant Method : C:\MSDCHEM\1...\LOOP20071212.M (RTE Integrator)
 Title : VOC
 Last Update : Tue Jan 08 15:15:22 2008
 Response via : Initial Calibration
 DataAcq Meth : LOOPSIMI

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	4.26	49	882m	10.00	ppbv	0.00
9) 1,4-Difluorobenzene	4.59	114	2176m	10.00	ppbv	0.00
12) Chlorobenzene-d5	5.99	117	1941	10.00	ppbv	0.00
Target Compounds						Qvalue
10) Benzene	4.54	78	191m	1.33	ppbv	
13) Toluene	5.25	91	251	1.43	ppbv	98
16) m&p-Xylenes	6.07	91	84	0.59	ppbv	92

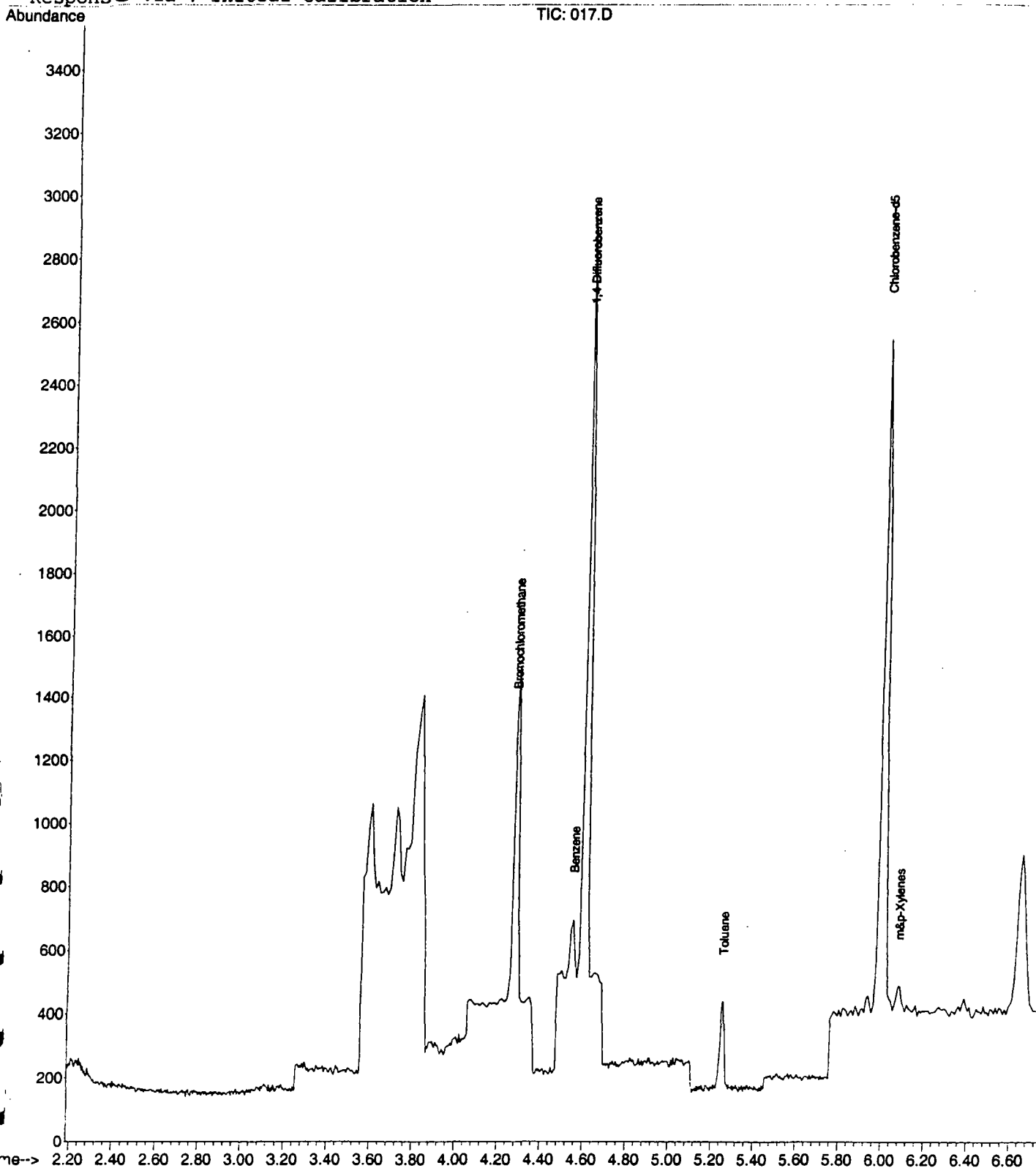
Quantitation Report (QT Reviewed)

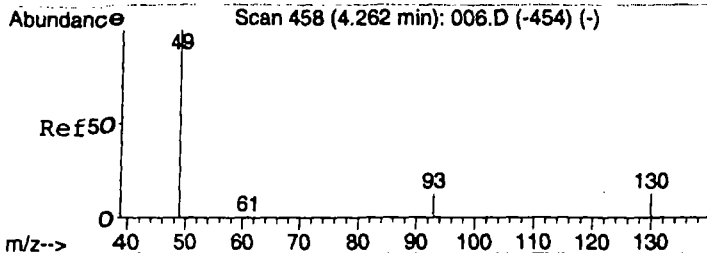
Data File : C:\MSDCHEM\1\DATA\2007\20071212\017.D
 Acq On : 12 Dec 2007 12:31
 Sample : 4462 / MGSG10
 Misc : 5 ML / 12 DEC 2007
 MS Integration Params: rteint.p
 Quant Time: Jan 8 15:51 2008

Vial: 1
 Operator: CWS
 Inst : Instrumen
 Multiplr: 1.00

Quant Results File: LOOP20071212.RES

Method : C:\MSDCHEM\1\METHODS\LOOP20071212.M (RTE Integrator)
 Title : VOC
 Last Update : Tue Jan 08 15:15:22 2008
 Response via : Initial Calibration





#1

Bromochloromethane

Concen: 10.00 ppbv m

RT: 4.26 min Scan# 458

Delta R.T. -0.00 min

Lab File: 017.D

Acq: 12 Dec 2007 12:31

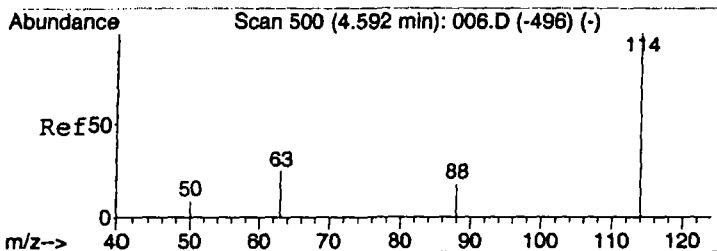
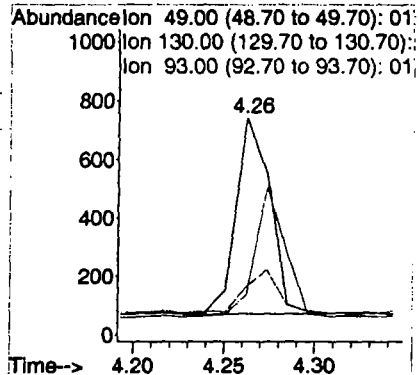
Tgt Ion: 49 Resp: 882

Ion Ratio Lower Upper

49 100

130 107.6 105.7 158.5

93 23.9 24.4 36.6#



#9

1,4-Difluorobenzene

Concen: 10.00 ppbv m

RT: 4.59 min Scan# 500

Delta R.T. -0.00 min

Lab File: 017.D

Acq: 12 Dec 2007 12:31

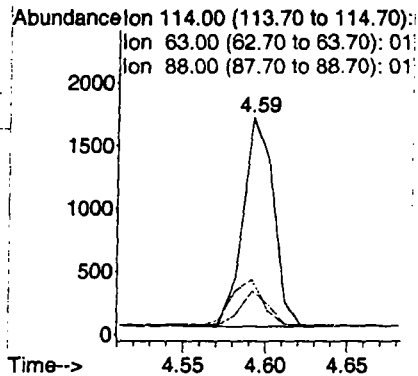
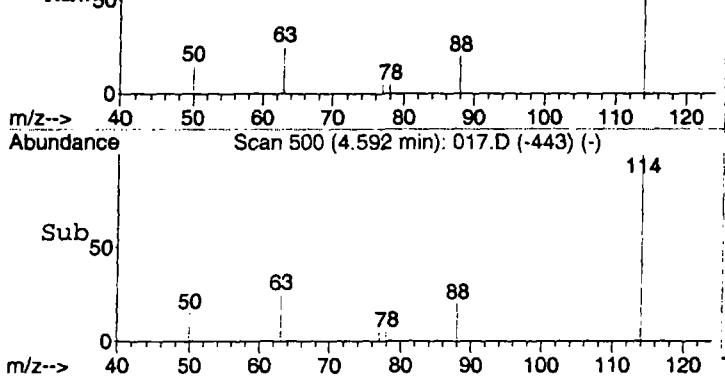
Tgt Ion: 114 Resp: 2176

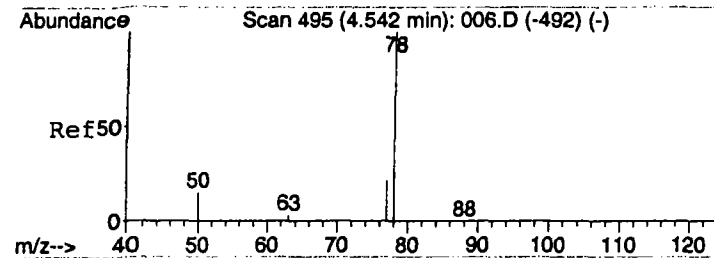
Ion Ratio Lower Upper

114 100

63 22.3 15.4 23.2

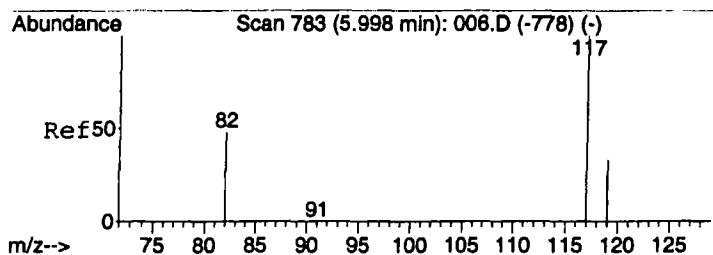
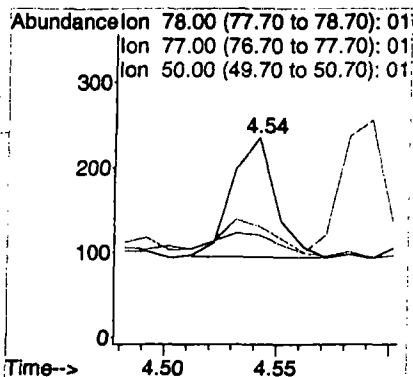
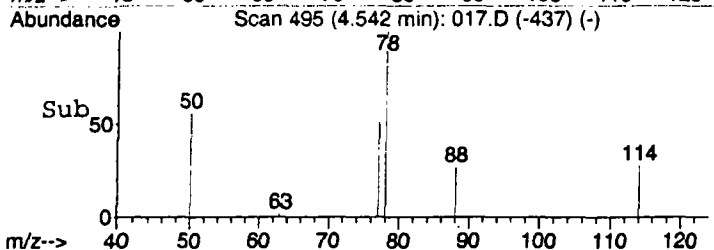
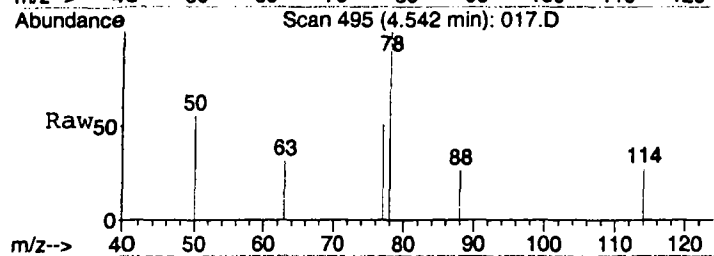
88 20.1 11.8 17.6#





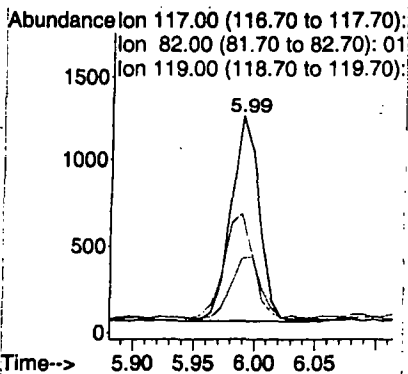
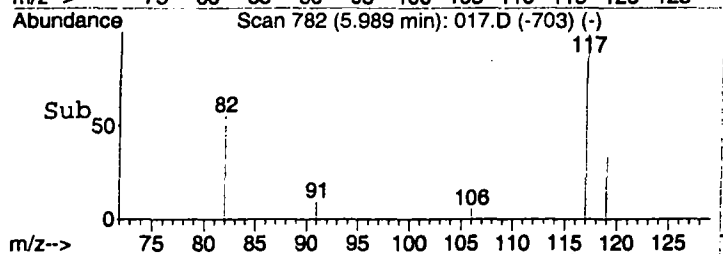
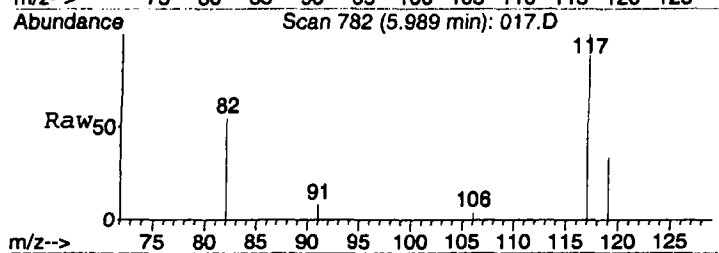
#10
Benzene
Concen: 1.33 ppbv m
RT: 4.54 min Scan# 495
Delta R.T. -0.00 min
Lab File: 017.D
Acq: 12 Dec 2007 12:31

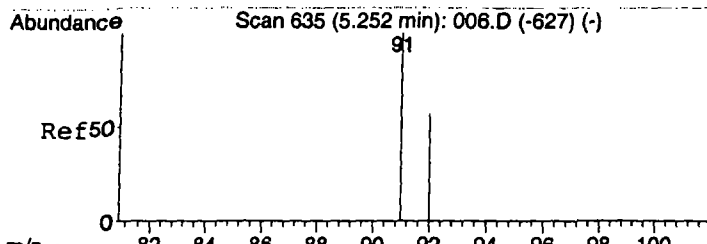
Tgt Ion: 78 Resp: 191
Ion Ratio Lower Upper
78 100
77 0.0 20.5 30.7#
50 111.0 15.9 23.9#



#12
Chlorobenzene-d5
Concen: 10.00 ppbv
RT: 5.99 min Scan# 782
Delta R.T. -0.01 min
Lab File: 017.D
Acq: 12 Dec 2007 12:31

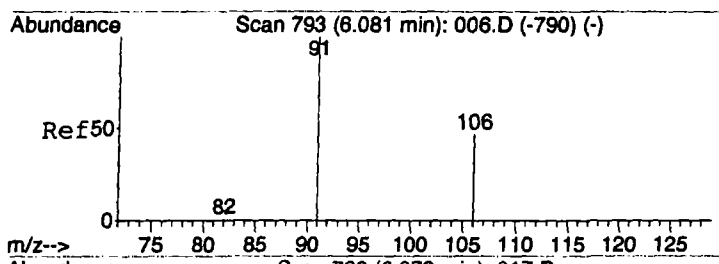
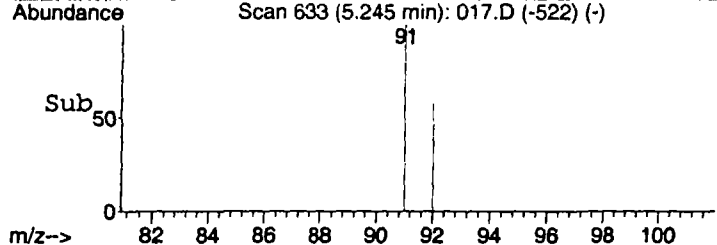
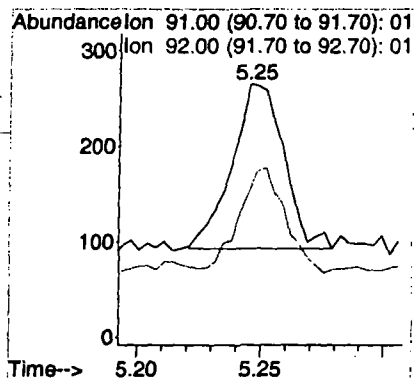
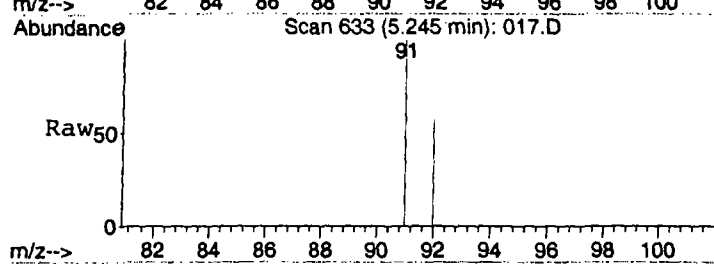
Tgt Ion: 117 Resp: 1941
Ion Ratio Lower Upper
117 100
82 52.6 41.0 61.6
119 31.6 25.5 38.3





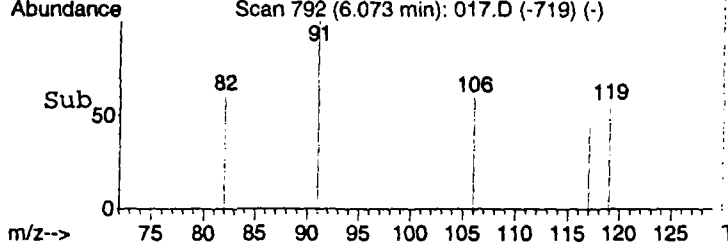
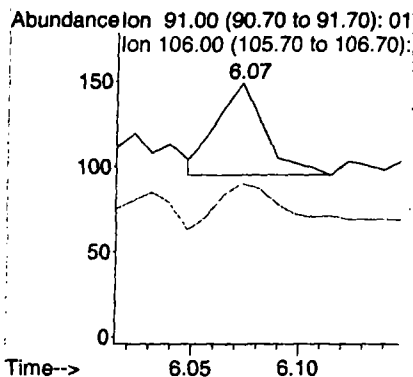
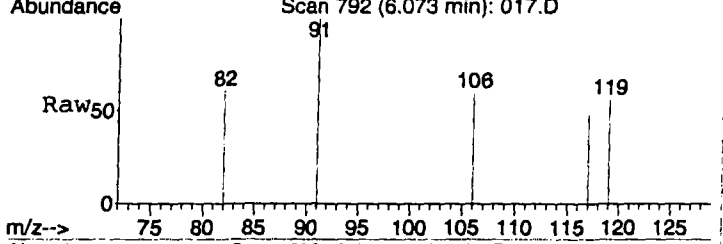
#13
Toluene
Concen: 1.43 ppbv
RT: 5.25 min Scan# 633
Delta R.T. -0.01 min
Lab File: 017.D
Acq: 12 Dec 2007 12:31

Tgt Ion: 91 Resp: 251
Ion Ratio Lower Upper
91 100
92 57.0 46.9 70.3



#16
m&p-Xylenes
Concen: 0.59 ppbv
RT: 6.07 min Scan# 792
Delta R.T. -0.01 min
Lab File: 017.D
Acq: 12 Dec 2007 12:31

Tgt Ion: 91 Resp: 84
Ion Ratio Lower Upper
91 100
106 40.5 36.4 54.6



Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\2007\20071212\018.D Vial: 1
 Acq On : 12 Dec 2007 12:57 Operator: CWS
 Sample : 4463/ MGSG11 Inst : Instrumen
 Misc : 5 ML / 12 DEC 2007 Multiplr: 1.00
 MS Integration Params: rteint.p
 Quant Time: Jan 08 15:52:36 2008 Quant Results File: LOOP20071212.RES

Quant Method : C:\MSDCHEM\1...\LOOP20071212.M (RTE Integrator)
 Title : VOC
 Last Update : Tue Jan 08 15:15:22 2008
 Response via : Initial Calibration
 DataAcq Meth : LOOPSIMI

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	4.26	49	852	10.00	ppbv	0.00
9) 1,4-Difluorobenzene	4.59	114	2021m	10.00	ppbv	0.00
12) Chlorobenzene-d5	5.99	117	1900	10.00	ppbv	0.00
Target Compounds						Qvalue
10) Benzene	4.54	78	250m	1.87	ppbv	
13) Toluene	5.25	91	272	1.58	ppbv	99
16) m&p-Xylenes	6.06	91	102	0.74	ppbv #	81

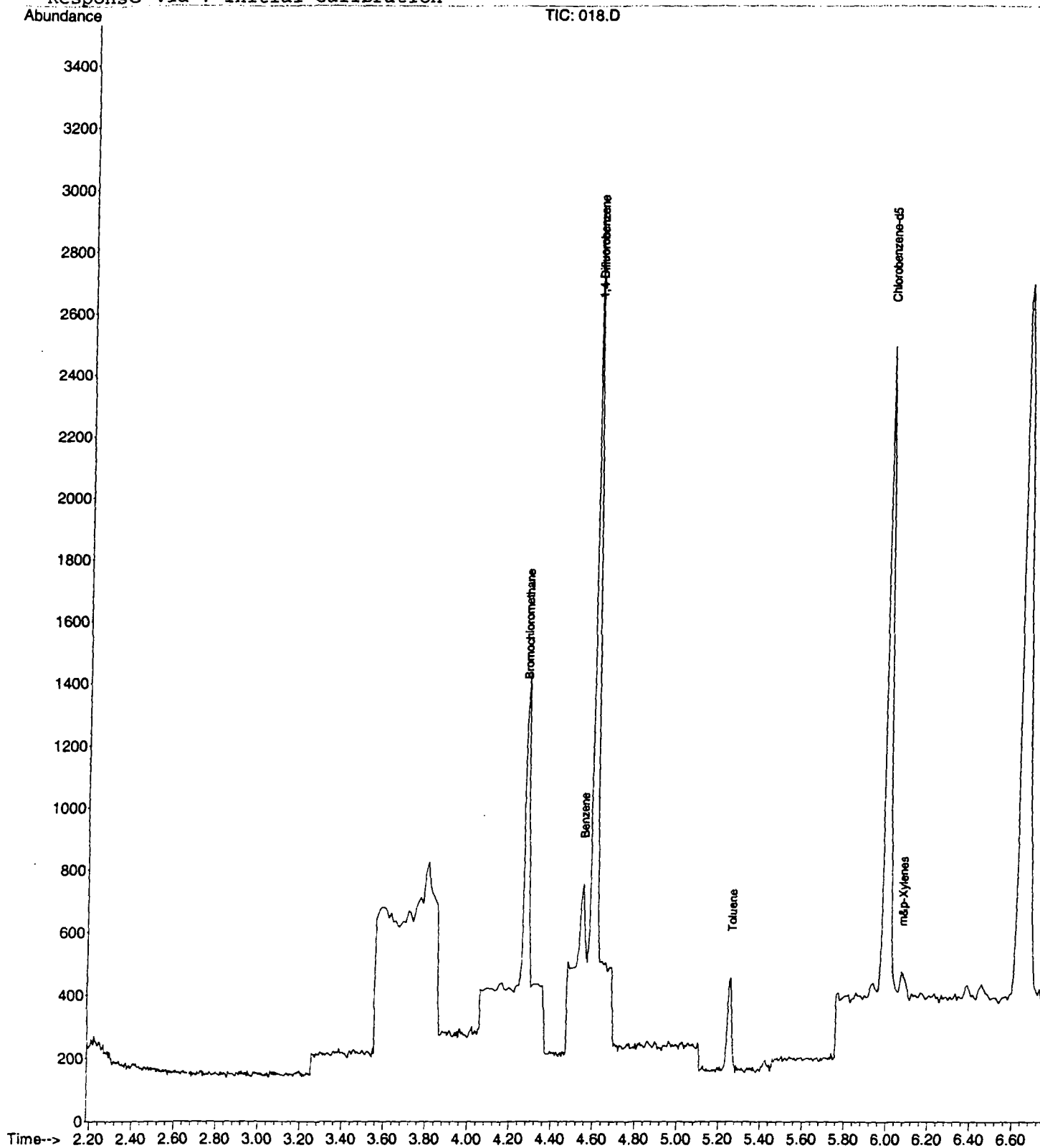
Quantitation Report (QT Reviewed)

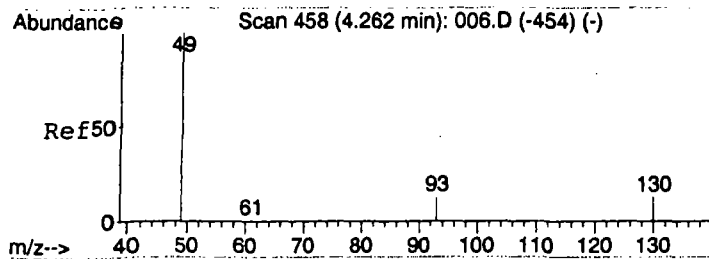
Data File : C:\MSDCHEM\1\DATA\2007\20071212\018.D
 Acq On : 12 Dec 2007 12:57
 Sample : 4463/ MGSG11
 Misc : 5 ML / 12 DEC 2007
 MS Integration Params: rteint.p
 Quant Time: Jan 8 15:54 2008

Vial: 1
 Operator: CWS
 Inst : Instrumen
 Multiplr: 1.00

Quant Results File: LOOP20071212.RES

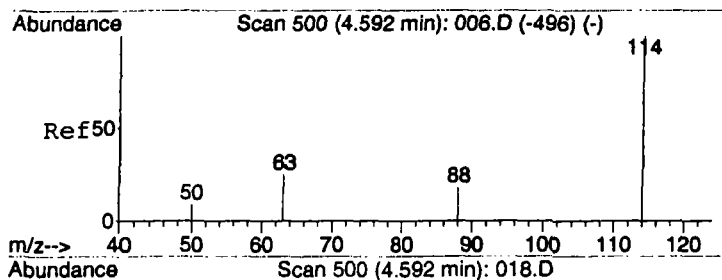
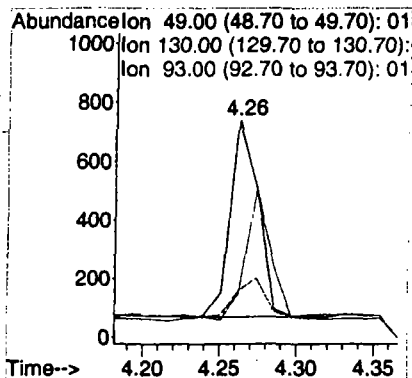
Method : C:\MSDCHEM\1\METHODS\LOOP20071212.M (RTE Integrator)
 Title : VOC
 Last Update : Tue Jan 08 15:15:22 2008
 Response via : Initial Calibration





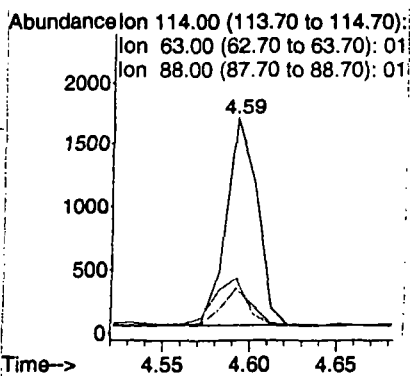
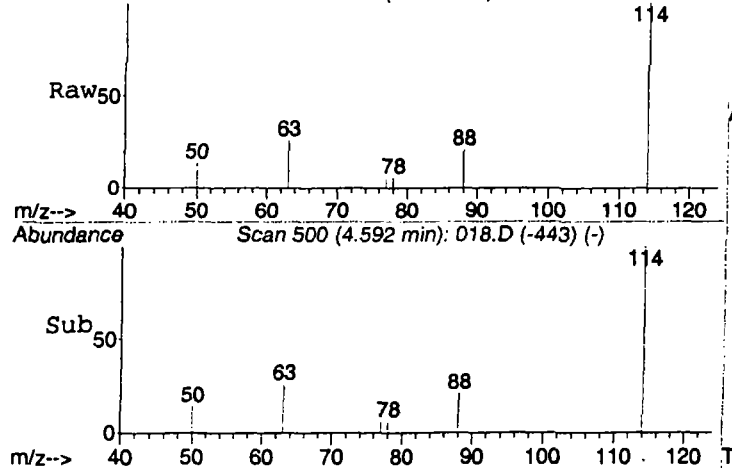
#1
Bromochloromethane
Concen: 10.00 ppbv
RT: 4.26 min Scan# 458
Delta R.T. -0.00 min
Lab File: 018.D
Acq: 12 Dec 2007 12:57

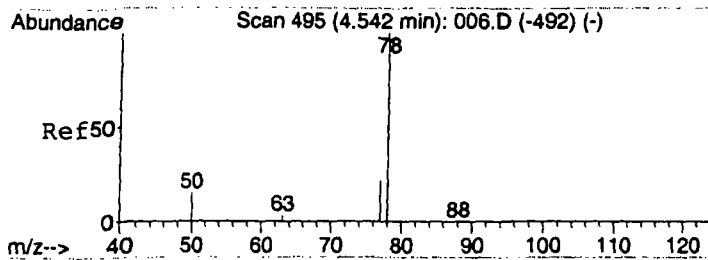
Tgt Ion	Ratio	Lower	Upper
49	100		
130	59.3	105.7	158.5#
93	20.0	24.4	36.6#



#9
1,4-Difluorobenzene
Concen: 10.00 ppbv m
RT: 4.59 min Scan# 500
Delta R.T. -0.00 min
Lab File: 018.D
Acq: 12 Dec 2007 12:57

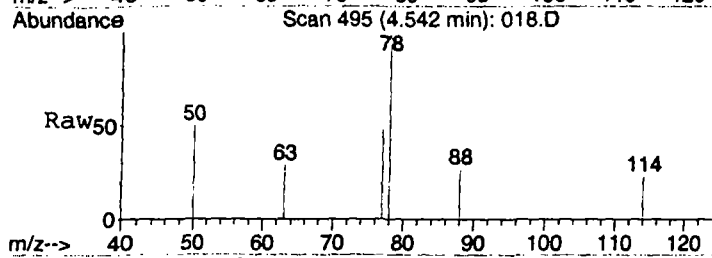
Tgt Ion	Ratio	Lower	Upper
114	100		
63	24.2	15.4	23.2#
88	41.4	11.8	17.6#



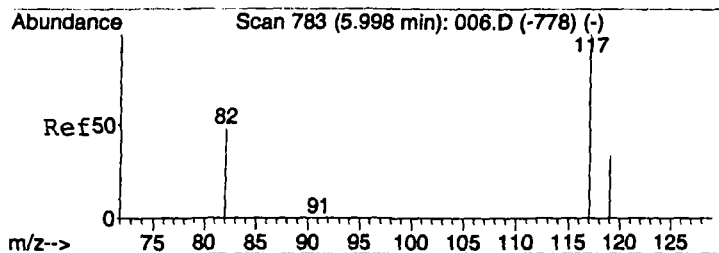
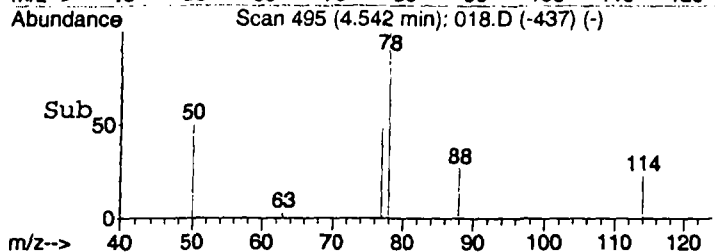
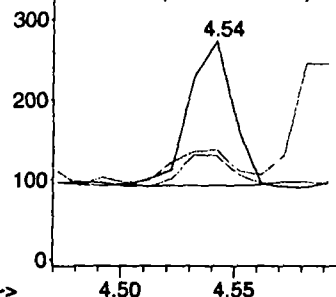


#10
Benzene
Concen: 1.87 ppbv m
RT: 4.54 min Scan# 495
Delta R.T. -0.00 min
Lab File: 018.D
Acq: 12 Dec 2007 12:57

Tgt Ion: 78 Resp: 250
Ion Ratio Lower Upper
78 100
77 88.4 20.5 30.7#
50 104.0 15.9 23.9#

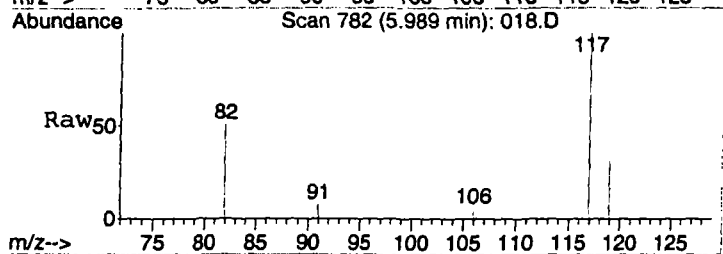


Abundance Ion 78.00 (77.70 to 78.70): 01
Ion 77.00 (76.70 to 77.70): 01
Ion 50.00 (49.70 to 50.70): 01

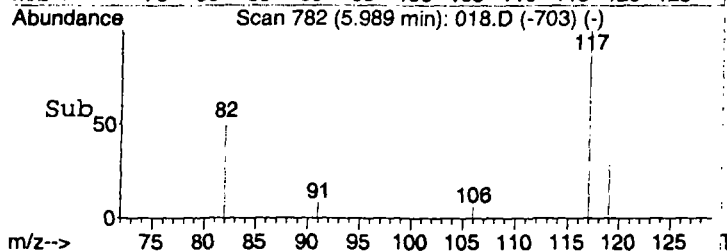
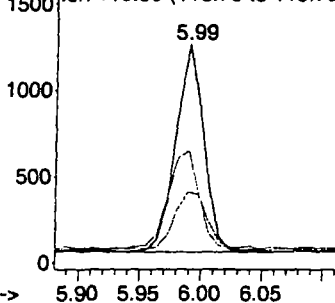


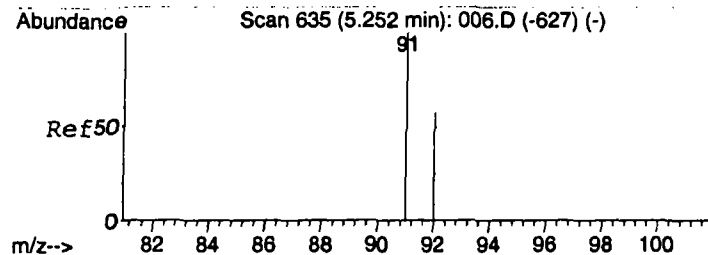
#12
Chlorobenzene-d5
Concen: 10.00 ppbv
RT: 5.99 min Scan# 782
Delta R.T. -0.01 min
Lab File: 018.D
Acq: 12 Dec 2007 12:57

Tgt Ion: 117 Resp: 1900
Ion Ratio Lower Upper
117 100
82 52.5 41.0 61.6
119 32.0 25.5 38.3

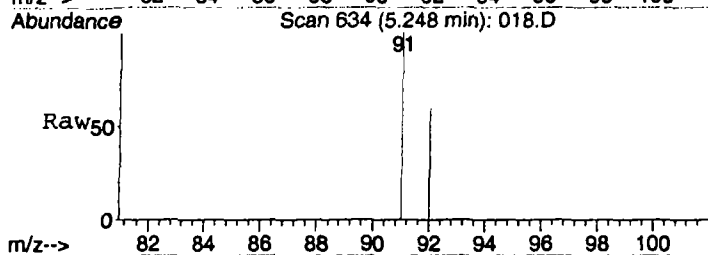


Abundance Ion 117.00 (116.70 to 117.70): 01
Ion 82.00 (81.70 to 82.70): 01
Ion 119.00 (118.70 to 119.70): 01

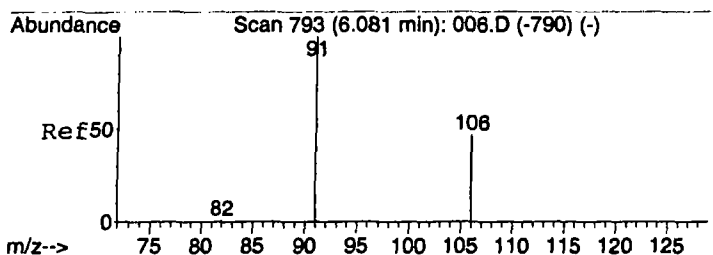
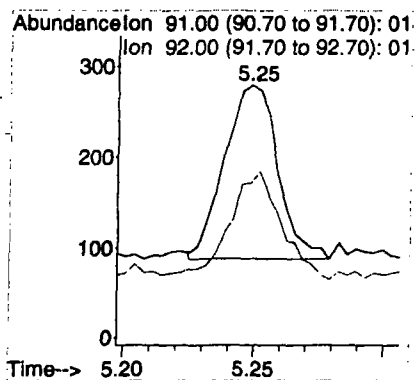
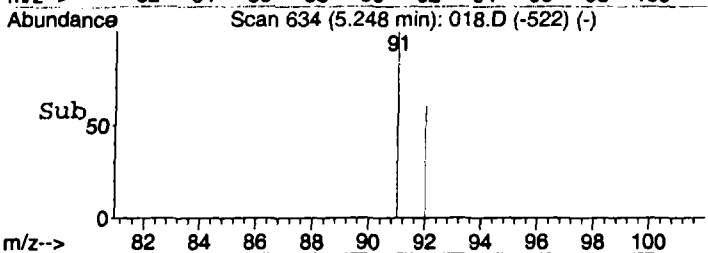




#13
Toluene
Concen: 1.58 ppbv
RT: 5.25 min Scan# 634
Delta R.T. -0.00 min
Lab File: 018.D
Acq: 12 Dec 2007 12:57

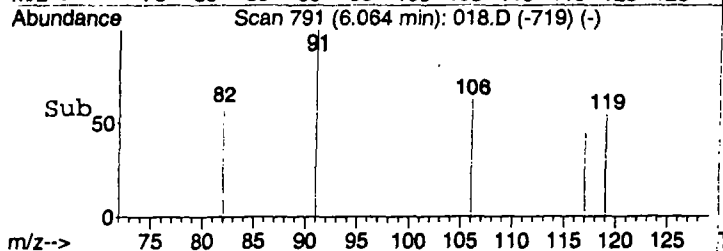
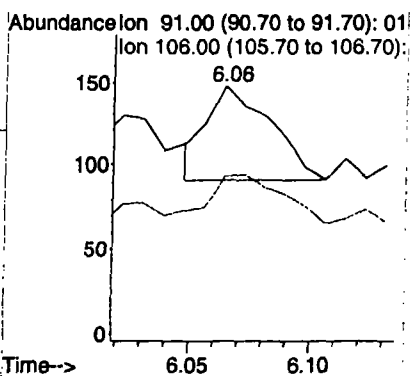
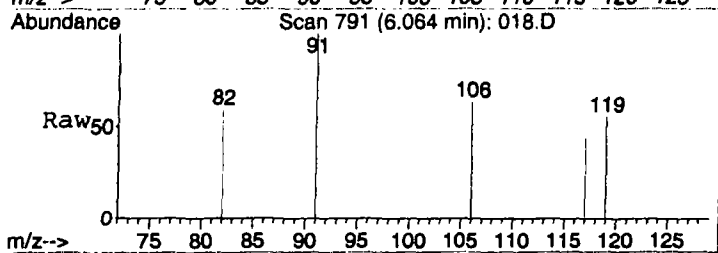


Tgt Ion: 91 Resp: 272
Ion Ratio Lower Upper
91 100
92 59.2 46.9 70.3



#16
m&p-Xylenes
Concen: 0.74 ppbv
RT: 6.06 min Scan# 791
Delta R.T. -0.02 min
Lab File: 018.D
Acq: 12 Dec 2007 12:57

Tgt Ion: 91 Resp: 102
Ion Ratio Lower Upper
91 100
106 57.8 36.4 54.6#



Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\2007\20071212\019.D Vial: 1
 Acq On : 12 Dec 2007 14:08 Operator: CWS
 Sample : 4468/ MSGS12 Inst : Instrumen
 Misc : 5 ML / 12 DEC 2007 Multiplr: 1.00
 MS Integration Params: rteint.p
 Quant Time: Jan 08 15:54:46 2008 Quant Results File: LOOP20071212.RES

Quant Method : C:\MSDCHEM\1...\LOOP20071212.M (RTE Integrator)
 Title : VOC
 Last Update : Tue Jan 08 15:15:22 2008
 Response via : Initial Calibration
 DataAcq Meth : LOOPSIMI

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	4.26	49	862	10.00	ppbv	0.00
9) 1,4-Difluorobenzene	4.59	114	2155m	10.00	ppbv	0.00
12) Chlorobenzene-d5	5.99	117	1902	10.00	ppbv	0.00

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
10) Benzene	4.54	78	314m	2.21	ppbv	
13) Toluene	5.25	91	223	1.29	ppbv	90

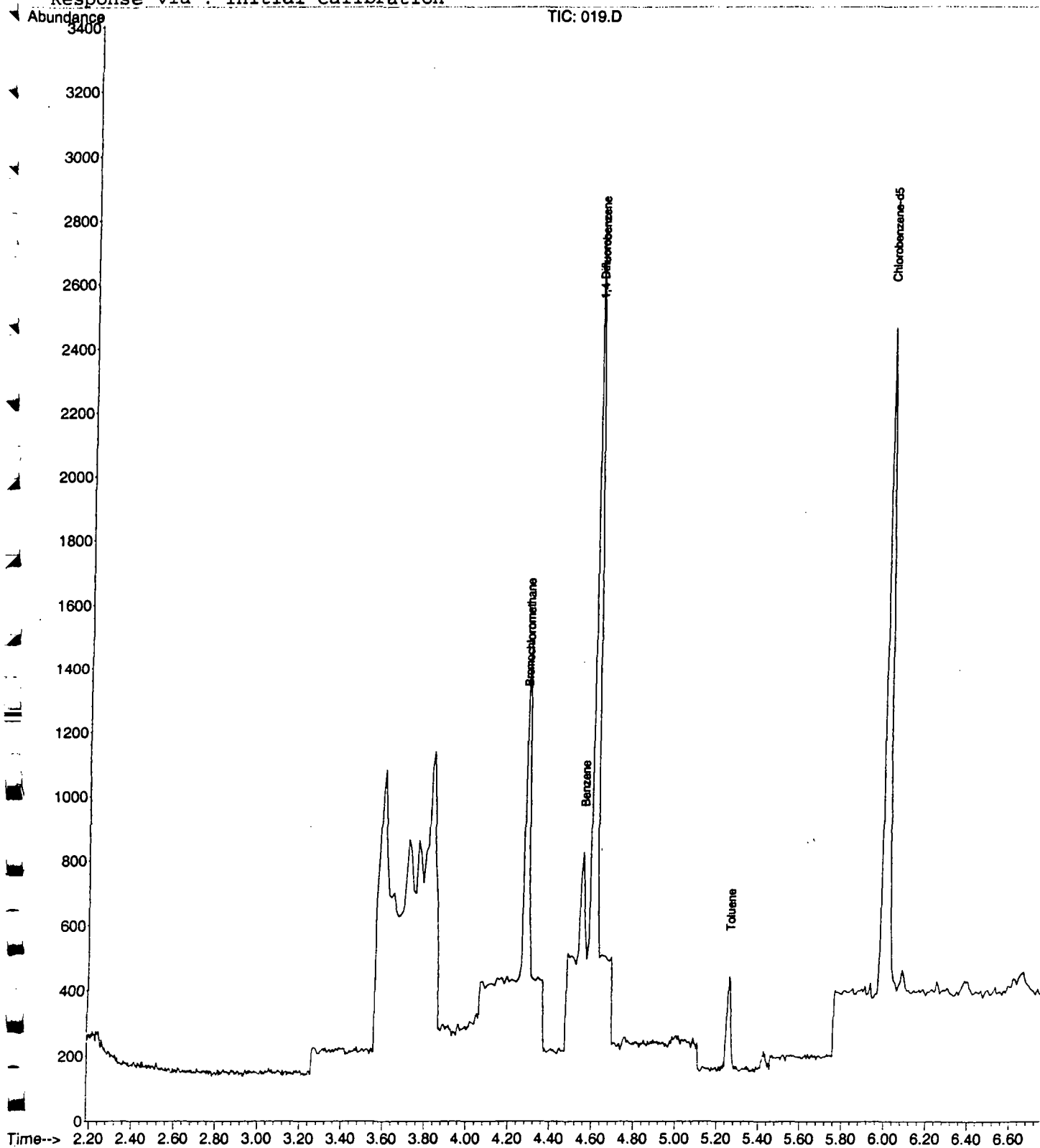
Quantitation Report (QT Reviewed)

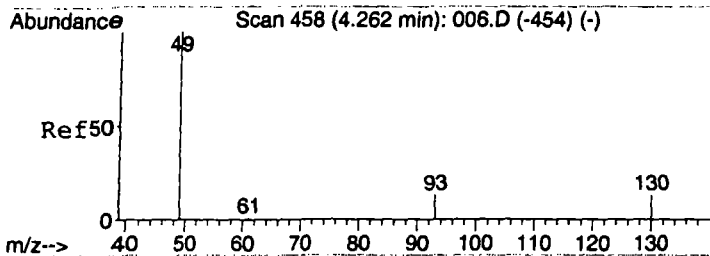
Data File : C:\MSDCHEM\1\DATA\2007\20071212\019.D
 Acq On : 12 Dec 2007 14:08
 Sample : 4468/ MGSG12
 Misc : 5 ML / 12 DEC 2007
 MS Integration Params: rteint.p
 Quant Time: Jan 8 15:56 2008

Vial: 1
 Operator: CWS
 Inst : Instrumen
 Multiplr: 1.00

Quant Results File: LOOP20071212.RES

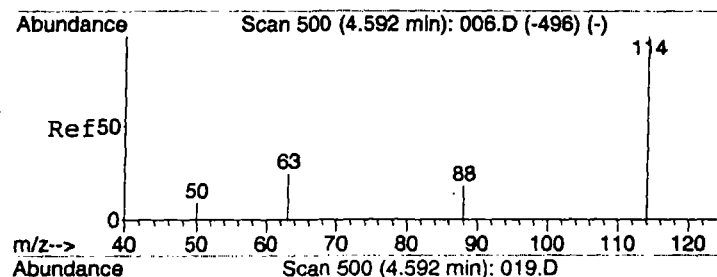
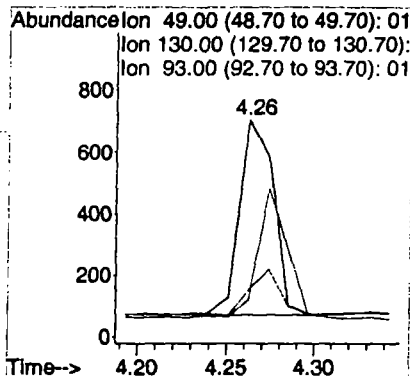
Method : C:\MSDCHEM\1\METHODS\LOOP20071212.M (RTE Integrator)
 Title : VOC
 Last Update : Tue Jan 08 15:15:22 2008
 Response via : Initial Calibration





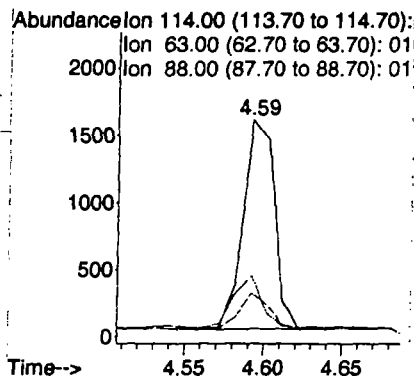
#1
Bromochloromethane
Concen: 10.00 ppbv
RT: 4.26 min Scan# 458
Delta R.T. -0.00 min
Lab File: 019.D
Acq: 12 Dec 2007 14:08

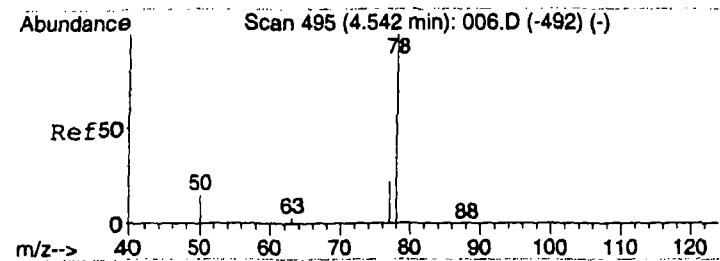
Tgt Ion: 49 Resp: 862
Ion Ratio Lower Upper
49 100
130 107.1 105.7 158.5
93 19.0 24.4 36.6#



#9
1,4-Difluorobenzene
Concen: 10.00 ppbv m
RT: 4.59 min Scan# 500
Delta R.T. -0.00 min
Lab File: 019.D
Acq: 12 Dec 2007 14:08

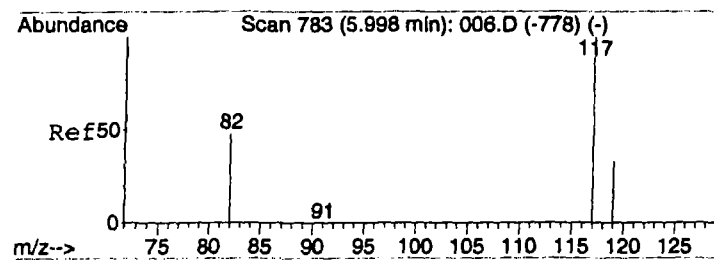
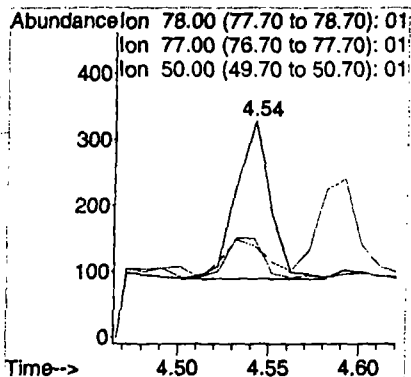
Tgt Ion: 114 Resp: 2155
Ion Ratio Lower Upper
114 100
63 24.2 15.4 23.2#
88 19.9 11.8 17.6#





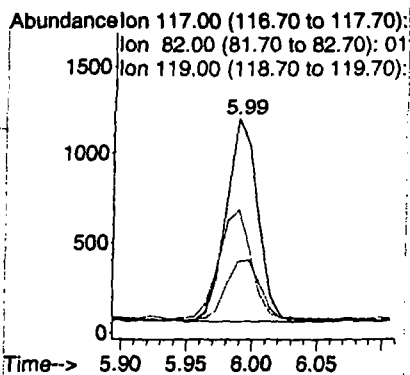
#10
Benzene
Concen: 2.21 ppbv m
RT: 4.54 min Scan# 495
Delta R.T. -0.00 min
Lab File: 019.D
Acq: 12 Dec 2007 14:08

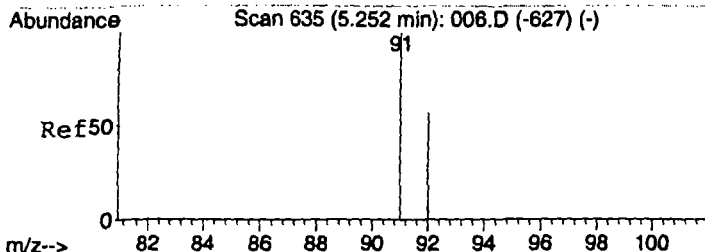
Tgt Ion	78	77	50	Resp	314
Ion Ratio	100	58.6	72.0	Lower	Upper
		20.5	15.9		30.7#



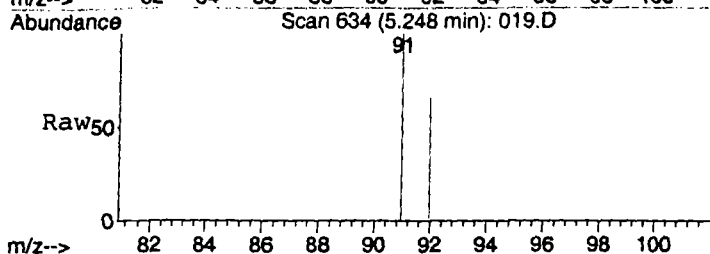
#12
Chlorobenzene-d5
Concen: 10.00 ppbv
RT: 5.99 min Scan# 782
Delta R.T. -0.01 min
Lab File: 019.D
Acq: 12 Dec 2007 14:08

Tgt Ion	117	82	119	Resp	1902
Ion Ratio	100	55.9	33.2	Lower	Upper
		41.0	25.5		61.6

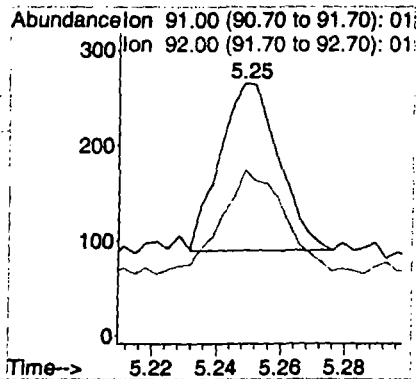
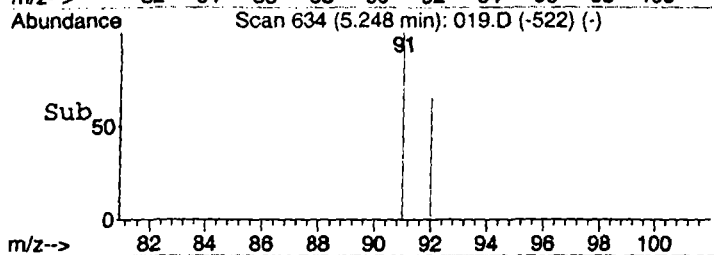




#13
Toluene
Concen: 1.29 ppbv
RT: 5.25 min Scan# 634
Delta R.T. -0.00 min
Lab File: 019.D
Acq: 12 Dec 2007 14:08



Tgt Ion: 91 Resp: 223
Ion Ratio Lower Upper
91 100
92 65.9 46.9 70.3



Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\2007\20071212\020.D Vial: 1
 Acq On : 12 Dec 2007 14:18 Operator: CWS
 Sample : 4467/ MSGS13 Inst : Instrumen
 Misc : 5 ML / 12 DEC 2007 Multiplr: 1.00
 MS Integration Params: rteint.p
 Quant Time: Jan 08 15:56:55 2008 Quant Results File: LOOP20071212.RES

Quant Method : C:\MSDCHEM\1...\LOOP20071212.M (RTE Integrator)
 Title : VOC
 Last Update : Tue Jan 08 15:15:22 2008
 Response via : Initial Calibration
 DataAcq Meth : LOOPSIMI

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	4.26	49	807m	10.00	ppbv	0.00
9) 1,4-Difluorobenzene	4.59	114	1987m	10.00	ppbv	0.00
12) Chlorobenzene-d5	6.00	117	1830	10.00	ppbv	0.00
Target Compounds						Qvalue
10) Benzene	4.54	78	347m	2.65	ppbv	
13) Toluene	5.25	91	396	2.39	ppbv	100
16) m&p-Xylenes	6.06	91	84	0.63	ppbv #	31

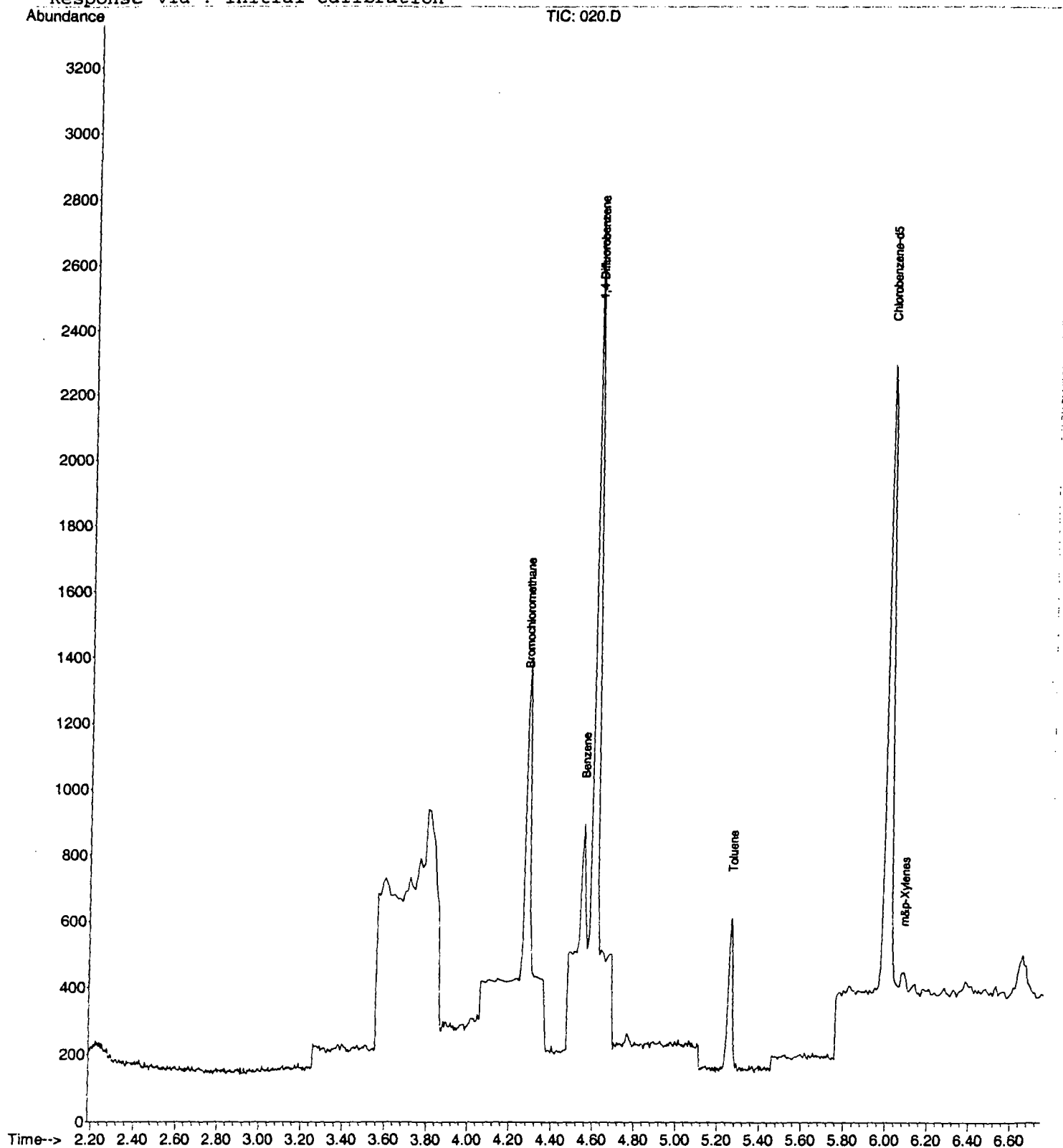
Quantitation Report (QT Reviewed)

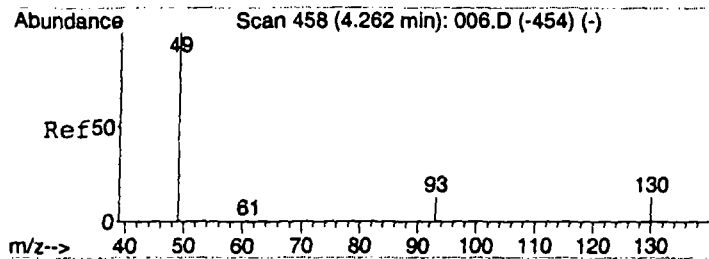
Data File : C:\MSDCHEM\1\DATA\2007\20071212\020.D
 Acq On : 12 Dec 2007 14:18
 Sample : 4467/ MSG13
 Misc : 5 ML / 12 DEC 2007
 MS Integration Params: rteint.p
 Quant Time: Jan 8 15:58 2008

Vial: 1
 Operator: CWS
 Inst : Instrumen
 Multiplr: 1.00

Quant Results File: LOOP20071212.RES

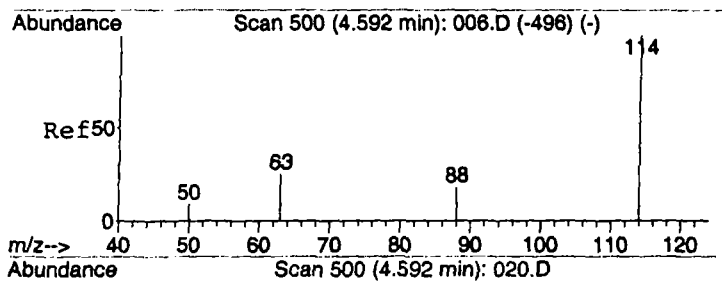
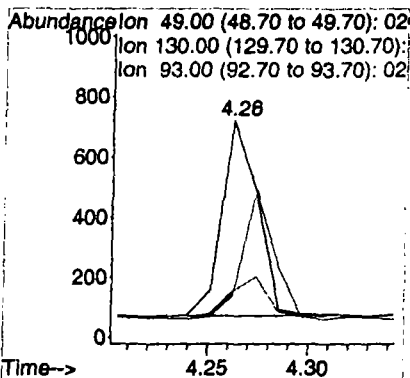
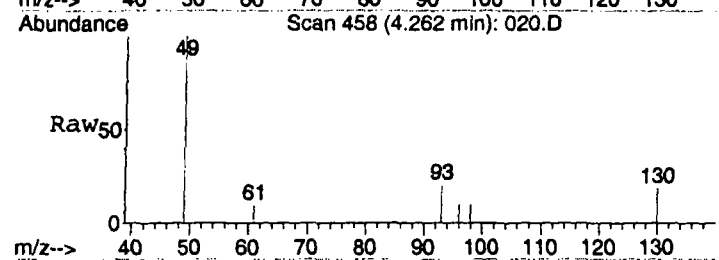
Method : C:\MSDCHEM\1\METHODS\LOOP20071212.M (RTE Integrator)
 Title : VOC
 Last Update : Tue Jan 08 15:15:22 2008
 Response via : Initial Calibration





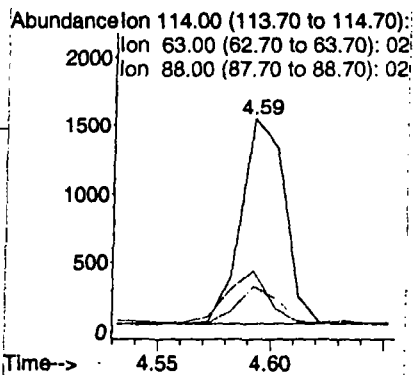
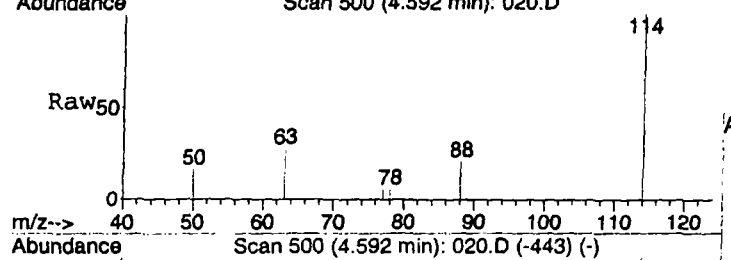
#1
Bromochloromethane
Concen: 10.00 ppbv m
RT: 4.26 min Scan# 458
Delta R.T. 0.00 min
Lab File: 020.D
Acq: 12 Dec 2007 14:18

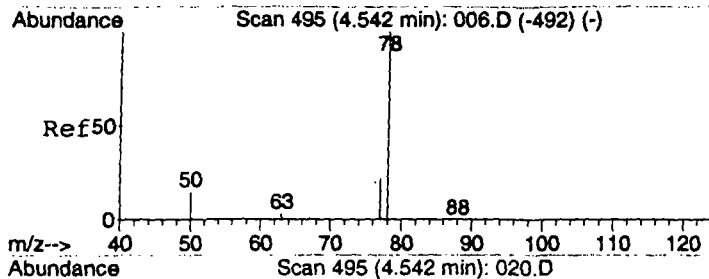
Tgt Ion: 49 Resp: 807
Ion Ratio Lower Upper
49 100
130 59.9 105.7 158.5#
93 78.3 24.4 36.6#



#9
1,4-Difluorobenzene
Concen: 10.00 ppbv m
RT: 4.59 min Scan# 500
Delta R.T. 0.00 min
Lab File: 020.D
Acq: 12 Dec 2007 14:18

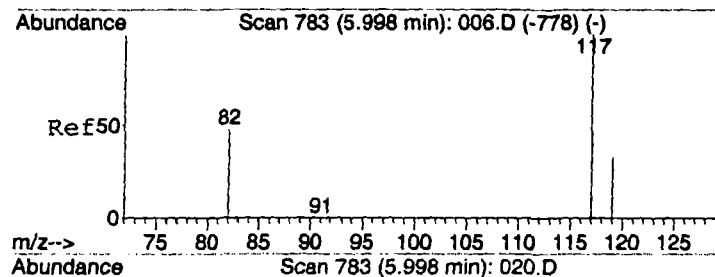
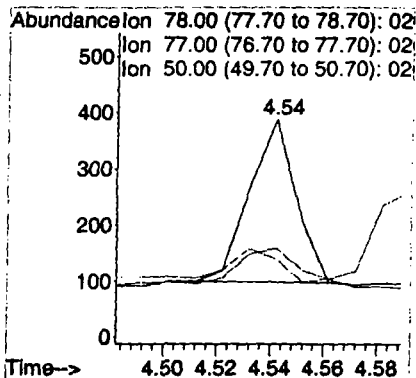
Tgt Ion: 114 Resp: 1987
Ion Ratio Lower Upper
114 100
63 26.3 15.4 23.2#
88 22.7 11.8 17.6#





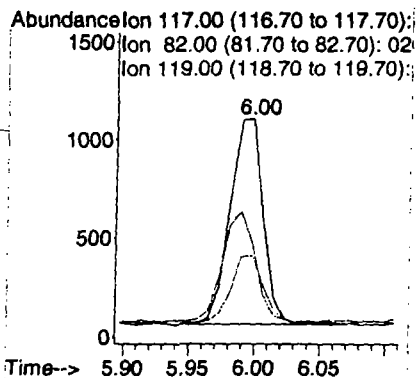
#10
Benzene
Concen: 2.65 ppbv m
RT: 4.54 min Scan# 495
Delta R.T. 0.00 min
Lab File: 020.D
Acq: 12 Dec 2007 14:18

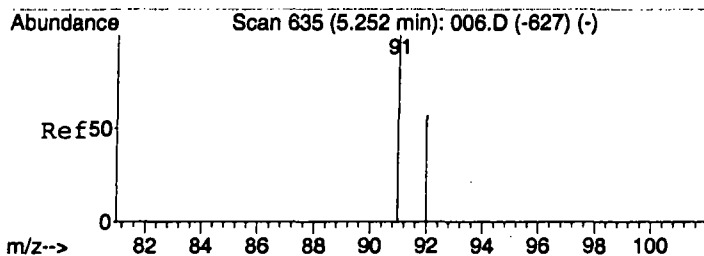
Tgt Ion	Ratio	Lower	Upper
78	100		
77	69.5	20.5	30.7#
50	89.3	15.9	23.9#



#12
Chlorobenzene-d5
Concen: 10.00 ppbv
RT: 6.00 min Scan# 783
Delta R.T. 0.00 min
Lab File: 020.D
Acq: 12 Dec 2007 14:18

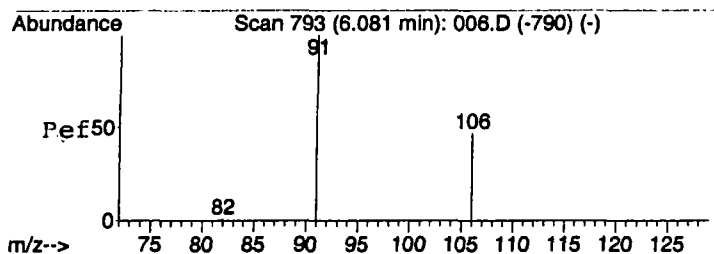
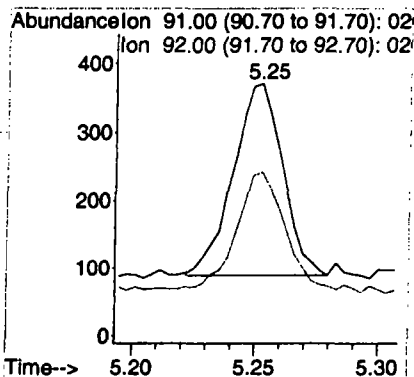
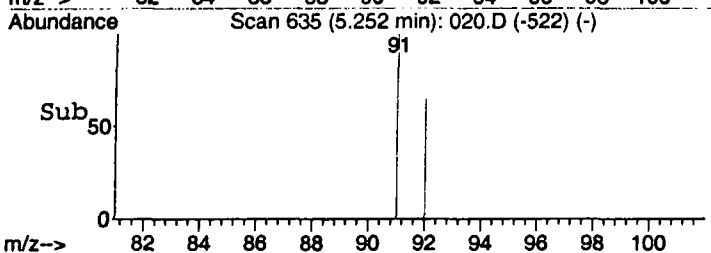
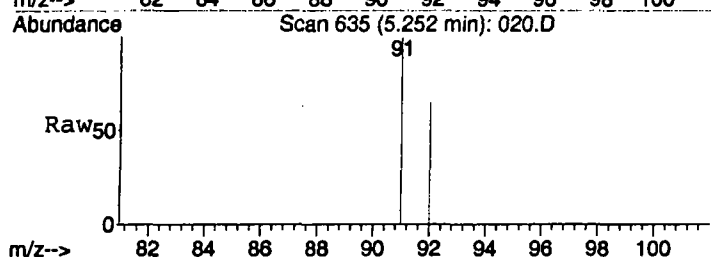
Tgt Ion	Ratio	Lower	Upper
117	100		
82	52.6	41.0	61.6
119	32.7	25.5	38.3





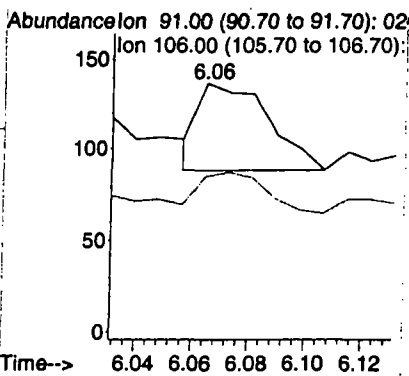
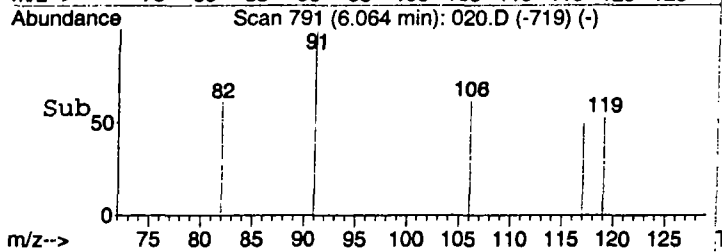
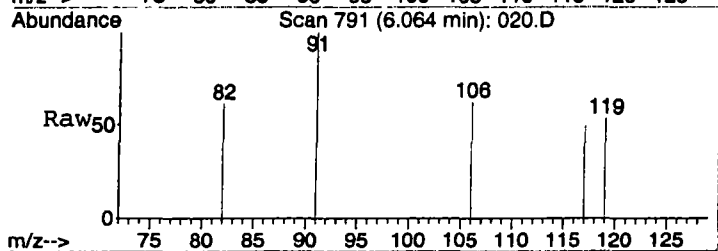
#13
Toluene
Concen: 2.39 ppbv
RT: 5.25 min Scan# 635
Delta R.T. 0.00 min
Lab File: 020.D
Acq: 12 Dec 2007 14:18

Tgt Ion: 91 Resp: 396
Ion Ratio Lower Upper
91 100
92 58.6 46.9 70.3



#16
m&p-Xylenes
Concen: 0.63 ppbv
RT: 6.06 min Scan# 791
Delta R.T. -0.02 min
Lab File: 020.D
Acq: 12 Dec 2007 14:18

Tgt Ion: 91 Resp: 84
Ion Ratio Lower Upper
91 100
106 0.0 36.4 54.6#



Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\2007\20071212\021.D Vial: 1
 Acq On : 12 Dec 2007 14:48 Operator: CWS
 Sample : 4469/ MSGS14 Inst : Instrumen
 Misc : 5 ML / 12 DEC 2007 Multiplr: 1.00
 MS Integration Params: rteint.p
 Quant Time: Jan 08 15:59:03 2008 Quant Results File: LOOP20071212.RES

Quant Method : C:\MSDCHEM\1...\LOOP20071212.M (RTE Integrator)

Title : VOC
 Last Update : Tue Jan 08 15:15:22 2008
 Response via : Initial Calibration
 DataAcq Meth : LOOPSIMI

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	4.26	49	828m	10.00	ppbv	0.00
9) 1,4-Difluorobenzene	4.59	114	2000m	10.00	ppbv	0.00
12) Chlorobenzene-d5	5.99	117	1821	10.00	ppbv	0.00

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
10) Benzene	4.54	78	470m	3.56	ppbv	
13) Toluene	5.25	91	536	3.25	ppbv	95

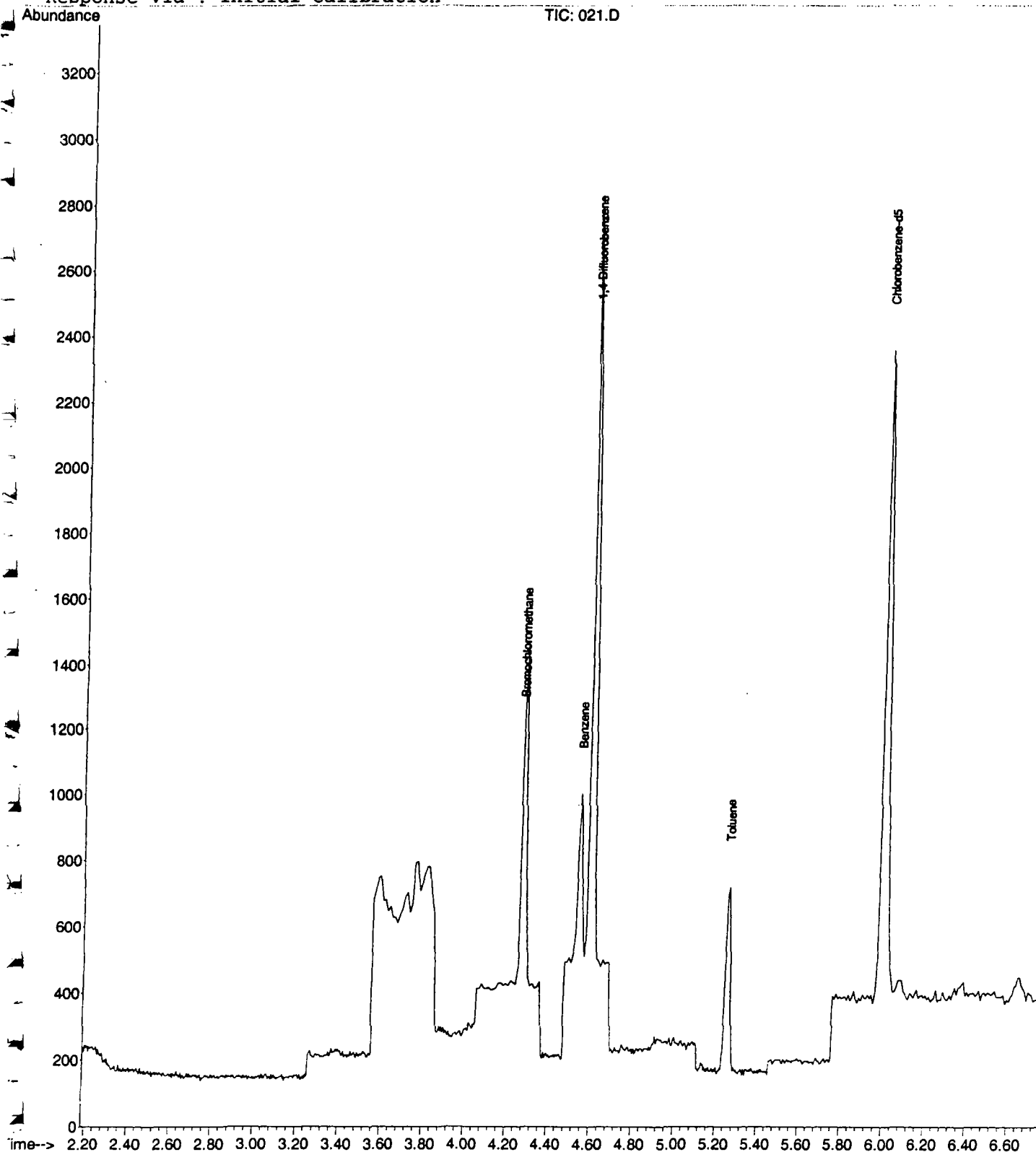
Quantitation Report (QT Reviewed)

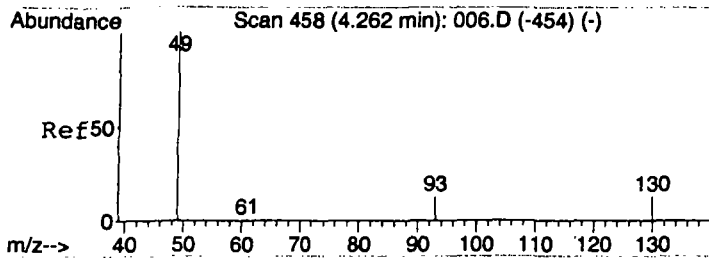
Data File : C:\MSDCHEM\1\DATA\2007\20071212\021.D
 Acq On : 12 Dec 2007 14:48
 Sample : 4469/ MSGS14
 Misc : 5 ML / 12 DEC 2007
 MS Integration Params: rteint.p
 Quant Time: Jan 8 16:00 2008

Vial: 1
 Operator: CWS
 Inst : Instrumen
 Multiplr: 1.00

Quant Results File: LOOP20071212.RES

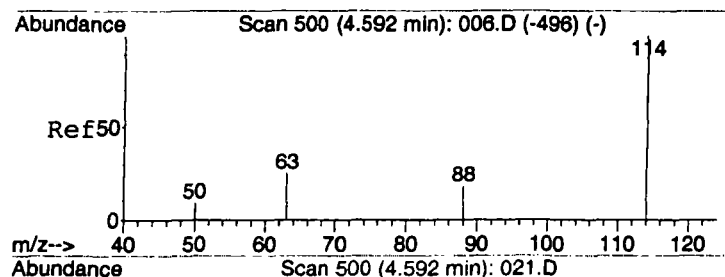
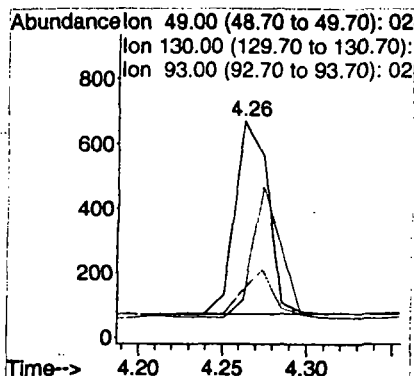
Method : C:\MSDCHEM\1\METHODS\LOOP20071212.M (RTE Integrator)
 Title : VOC
 Last Update : Tue Jan 08 15:15:22 2008
 Response via : Initial Calibration





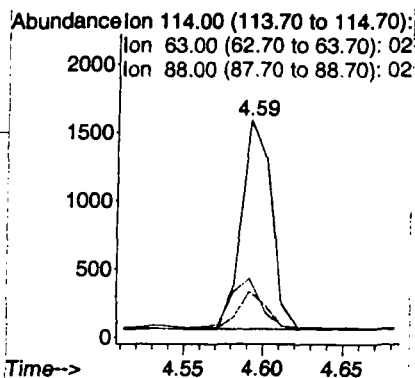
#1
 Bromochloromethane
 Concen: 10.00 ppbv m
 RT: 4.26 min Scan# 458
 Delta R.T. -0.00 min
 Lab File: 021.D
 Acq: 12 Dec 2007 14:48

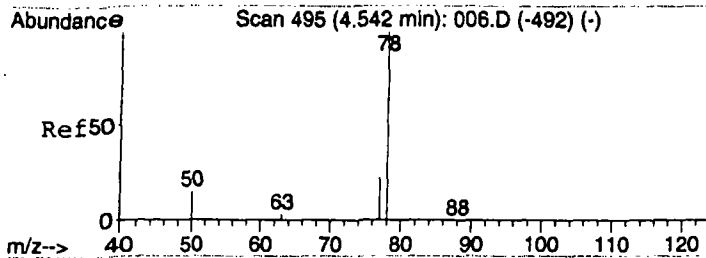
Tgt Ion: 49 Resp: 828
 Ion Ratio Lower Upper
 49 100
 130 103.4 105.7 158.5#
 93 76.1 24.4 36.6#



#9
 1,4-Difluorobenzene
 Concen: 10.00 ppbv m
 RT: 4.59 min Scan# 500
 Delta R.T. -0.00 min
 Lab File: 021.D
 Acq: 12 Dec 2007 14:48

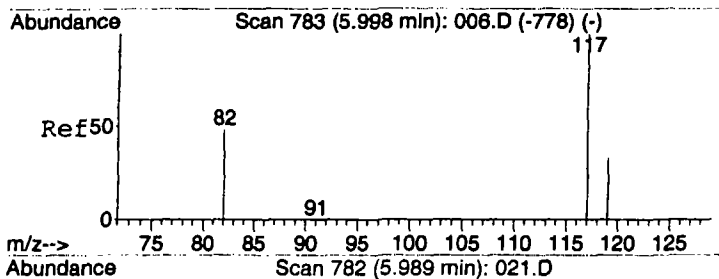
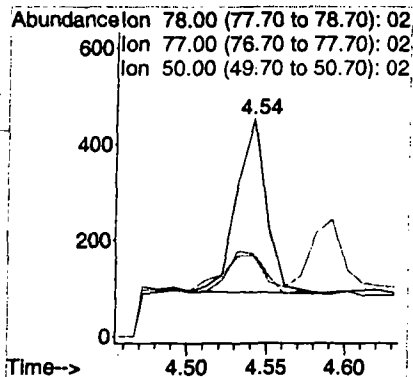
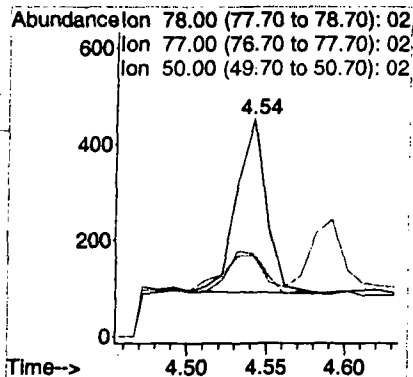
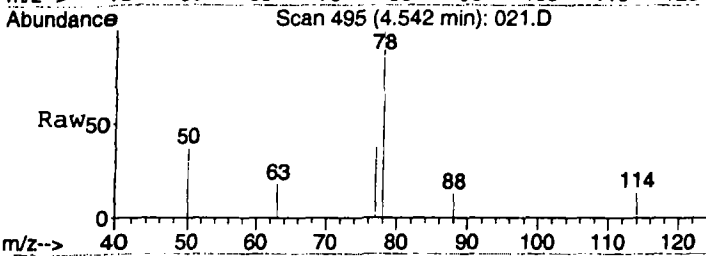
Tgt Ion: 114 Resp: 2000
 Ion Ratio Lower Upper
 114 100
 63 49.9 15.4 23.2#
 88 20.9 11.8 17.6#





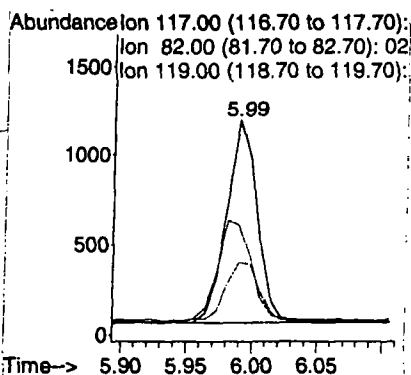
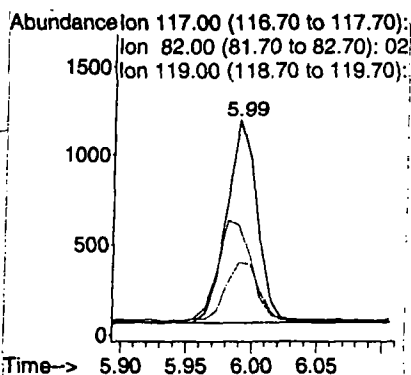
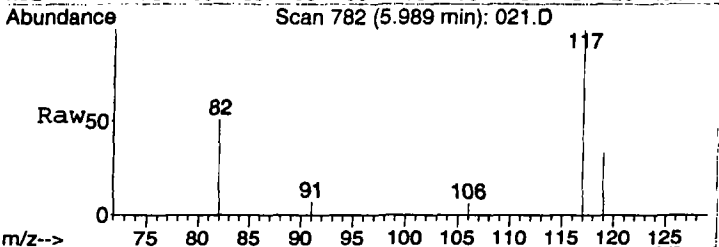
#10
Benzene
Concen: 3.56 ppbv m
RT: 4.54 min Scan# 495
Delta R.T. -0.00 min
Lab File: 021.D
Acq: 12 Dec 2007 14:48

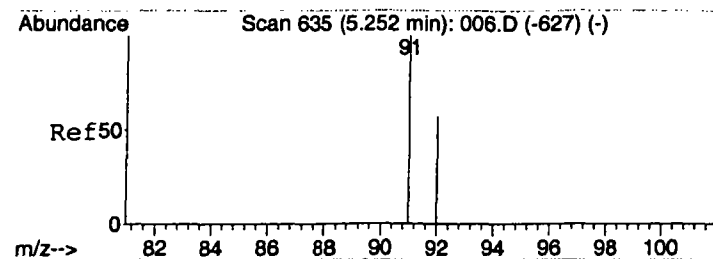
Tgt Ion	Ratio	Lower	Upper
78	100		
77	59.8	20.5	30.7#
50	140.0	15.9	23.9#



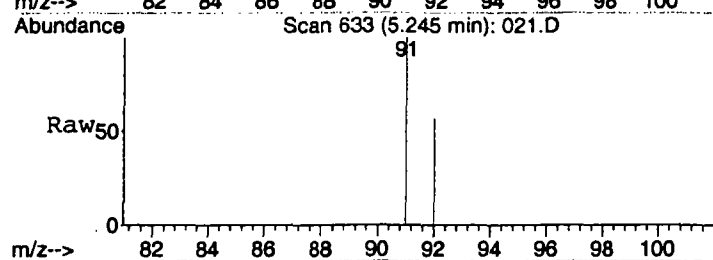
#12
Chlorobenzene-d5
Concen: 10.00 ppbv
RT: 5.99 min Scan# 782
Delta R.T. -0.01 min
Lab File: 021.D
Acq: 12 Dec 2007 14:48

Tgt Ion	Ratio	Lower	Upper
117	100		
82	55.0	41.0	61.6
119	32.0	25.5	38.3

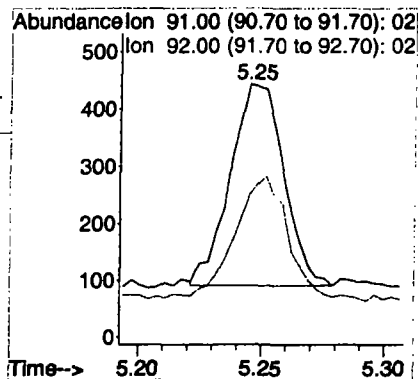
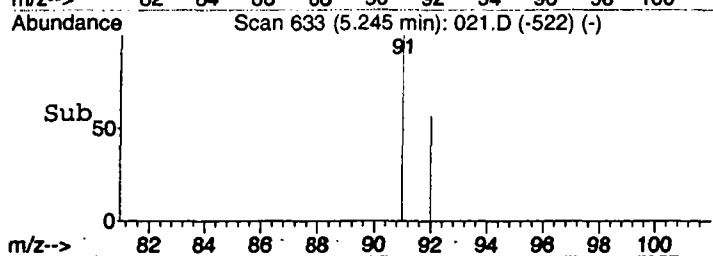




#13
Toluene
Concen: 3.25 ppbv
RT: 5.25 min Scan# 633
Delta R.T. -0.01 min
Lab File: 021.D
Acq: 12 Dec 2007 14:48



Tgt Ion: 91 Resp: 536
Ion Ratio Lower Upper
91 100
92 62.1 46.9 70.3



Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\2007\20071212\022.D Vial: 1
 Acq On : 12 Dec 2007 15:34 Operator: CWS
 Sample : 4469/ MSG14 DUP Inst : Instrumen
 Misc : 5 ML / 12 DEC 2007 Multiplr: 1.00
 MS Integration Params: rteint.p
 Quant Time: Jan 08 16:00:59 2008 Quant Results File: LOOP20071212.RES

Quant Method : C:\MSDCHEM\1...\LOOP20071212.M (RTE Integrator)
 Title : VOC
 Last Update : Tue Jan 08 15:15:22 2008
 Response via : Initial Calibration
 DataAcq Meth : LOOPSIMI

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	4.26	49	852m	10.00	ppbv	0.00
9) 1,4-Difluorobenzene	4.59	114	1991m	10.00	ppbv	0.00
12) Chlorobenzene-d5	6.00	117	1823	10.00	ppbv	0.00

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
10) Benzene	4.54	78	473m	3.60	ppbv	
13) Toluene	5.26	91	548	3.32	ppbv	93
16) m&p-Xylenes	6.07	91	96	0.72	ppbv #	31

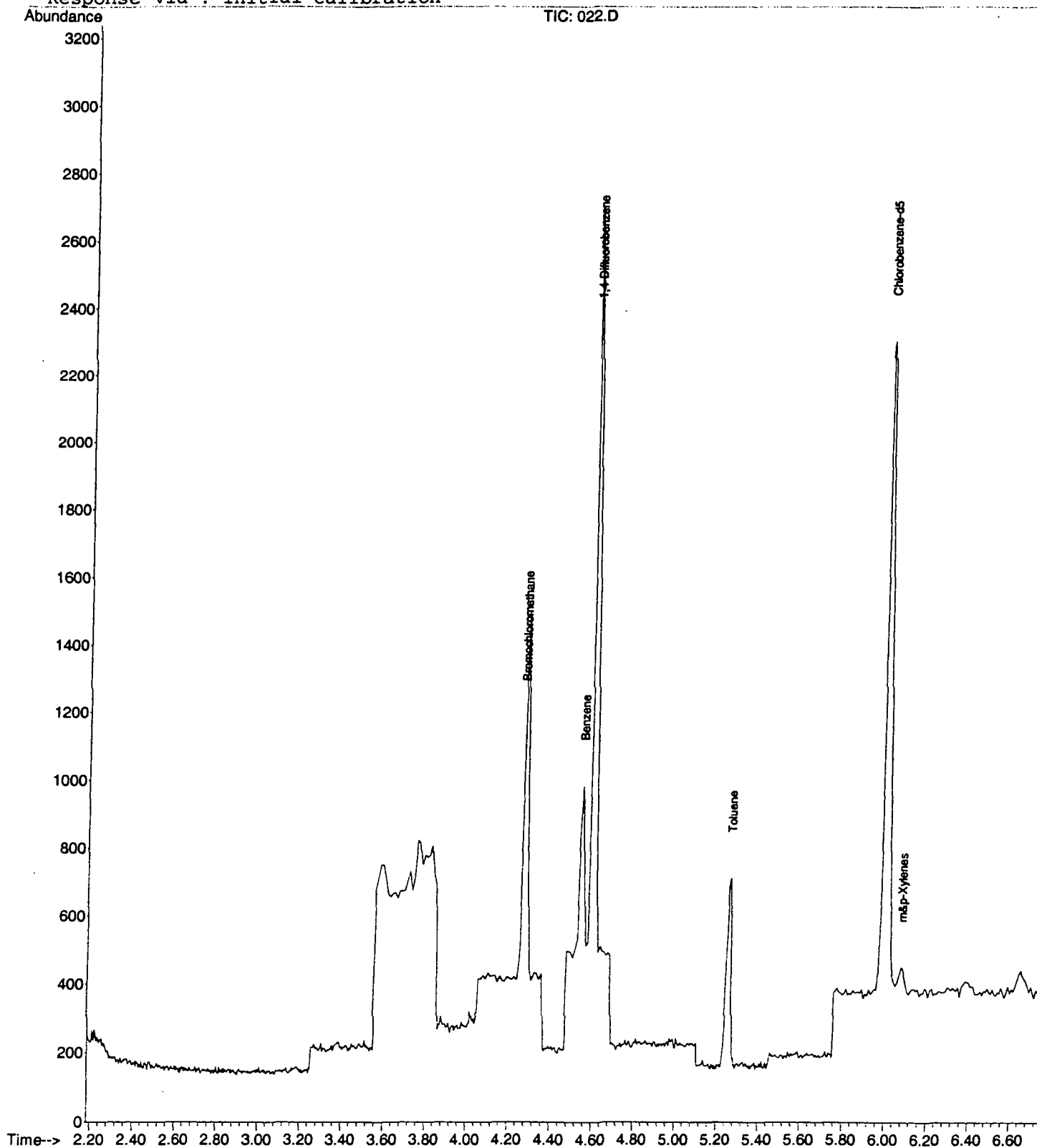
Quantitation Report (QT Reviewed)

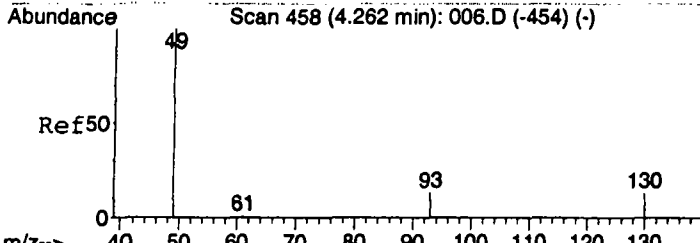
Data File : C:\MSDCHEM\1\DATA\2007\20071212\022.D
 Acq On : 12 Dec 2007 15:34
 Sample : 4469/ MGSG14 DUP
 Misc : 5 ML / 12 DEC 2007
 MS Integration Params: rteint.p
 Quant Time: Jan 8 16:02 2008

Vial: 1
 Operator: CWS
 Inst : Instrumen
 Multiplr: 1.00

Quant Results File: LOOP20071212.RES

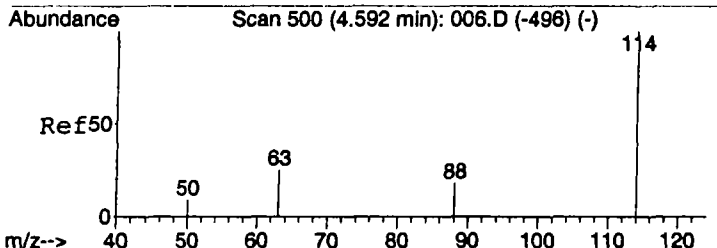
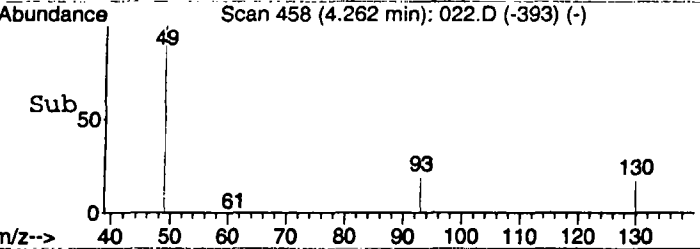
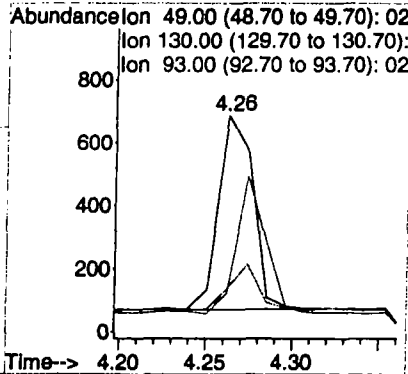
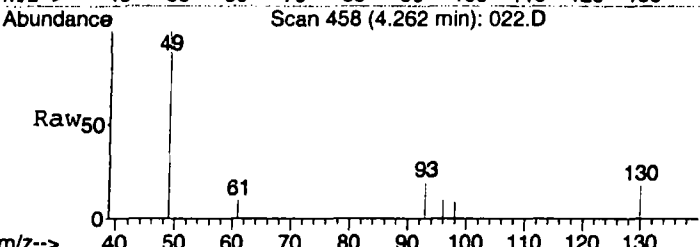
Method : C:\MSDCHEM\1\METHODS\LOOP20071212.M (RTE Integrator)
 Title : VOC
 Last Update : Tue Jan 08 15:15:22 2008
 Response via : Initial Calibration





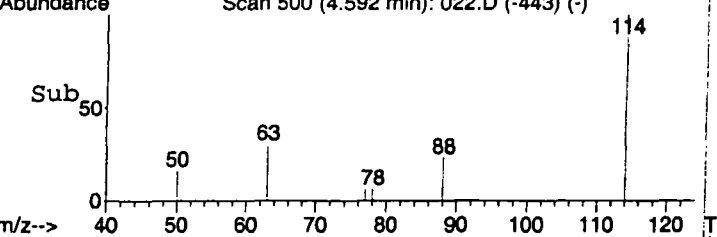
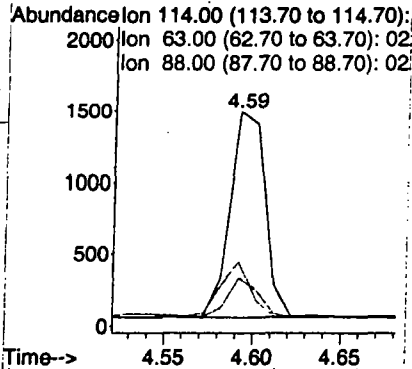
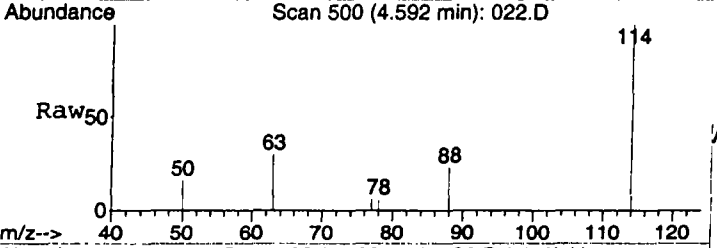
#1
 Bromochloromethane
 Concen: 10.00 ppbv m
 RT: 4.26 min Scan# 458
 Delta R.T. -0.00 min
 Lab File: 022.D
 Acq: 12 Dec 2007 15:34

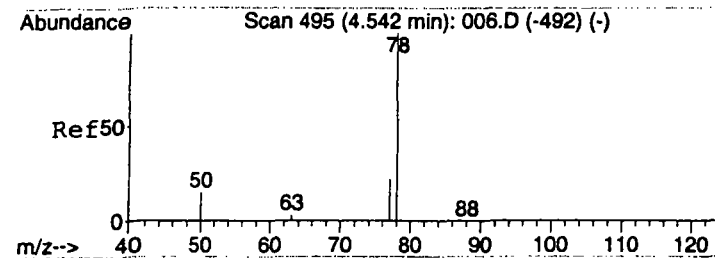
Tgt Ion:	49	Resp:	852
Ion Ratio	Lower	Upper	
49	100		
130	103.6	105.7	158.5#
93	21.0	24.4	36.6#



#9
 1,4-Difluorobenzene
 Concen: 10.00 ppbv m
 RT: 4.59 min Scan# 500
 Delta R.T. -0.00 min
 Lab File: 022.D
 Acq: 12 Dec 2007 15:34

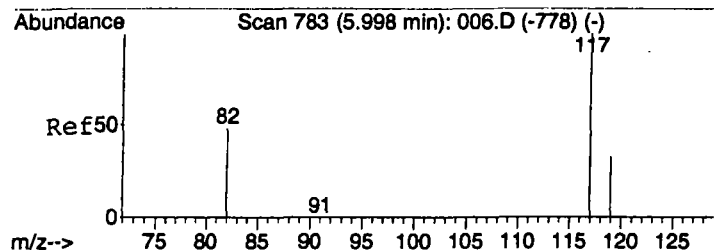
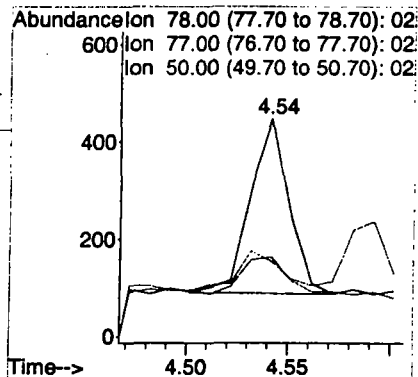
Tgt Ion:	114	Resp:	1991
Ion Ratio	Lower	Upper	
114	100		
63	22.0	15.4	23.2
88	21.5	11.8	17.6#





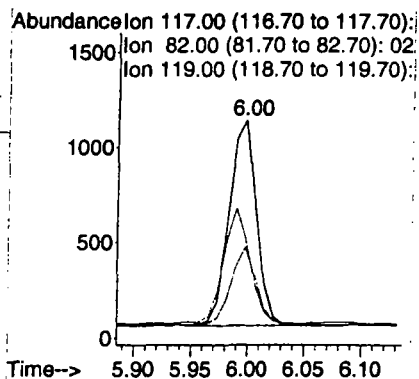
#10
Benzene
Concen: 3.60 ppbv m
RT: 4.54 min Scan# 495
Delta R.T. -0.00 min
Lab File: 022.D
Acq: 12 Dec 2007 15:34

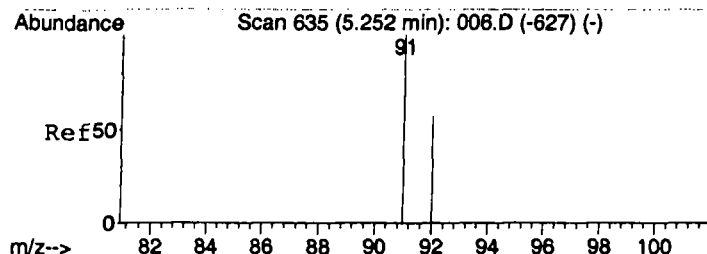
Tgt Ion	Ratio	Lower	Upper
78	100		
77	61.1	20.5	30.7#
50	61.3	15.9	23.9#



#12
Chlorobenzene-d5
Concen: 10.00 ppbv
RT: 6.00 min Scan# 783
Delta R.T. -0.00 min
Lab File: 022.D
Acq: 12 Dec 2007 15:34

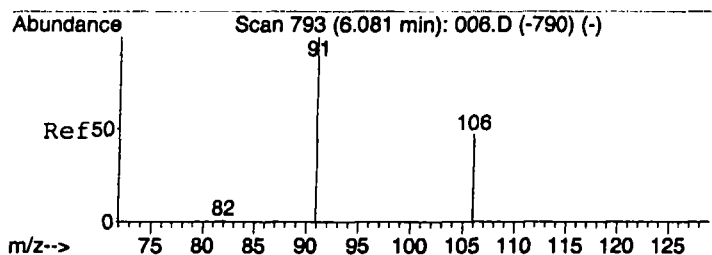
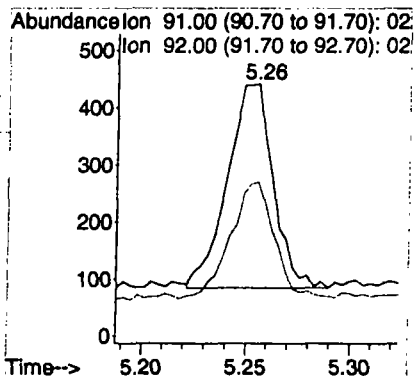
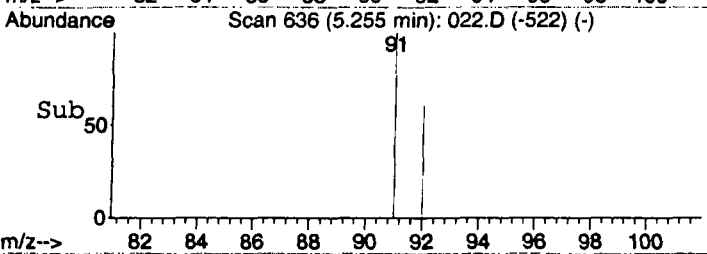
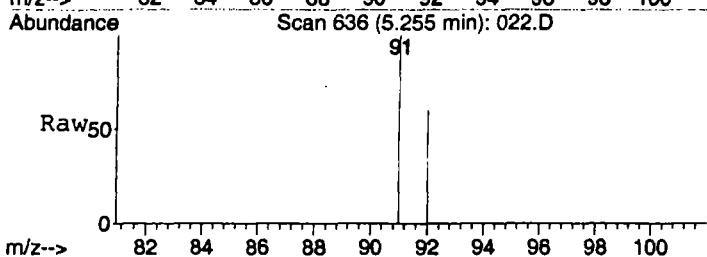
Tgt Ion	Ratio	Lower	Upper
117	100		
82	54.0	41.0	61.6
119	34.0	25.5	38.3





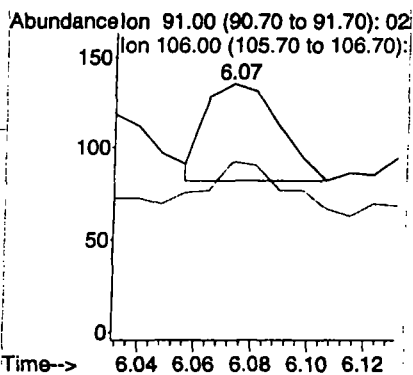
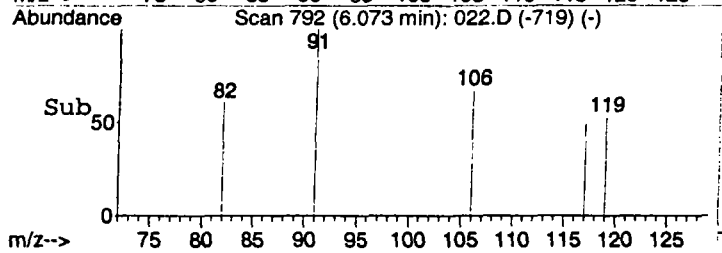
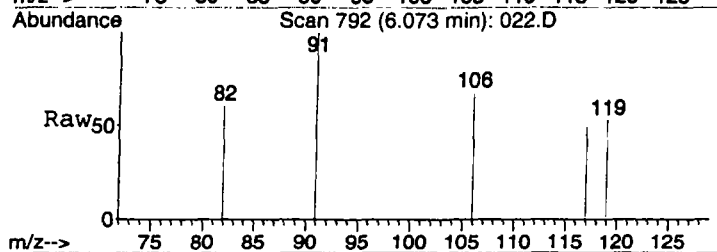
#13
Toluene
Concen: 3.32 ppbv
RT: 5.26 min Scan# 636
Delta R.T. 0.00 min
Lab File: 022.D
Acq: 12 Dec 2007 15:34

Tgt Ion: 91 Resp: 548
Ion Ratio Lower Upper
91 100
92 53.1 46.9 70.3



#16
m&p-Xylenes
Concen: 0.72 ppbv
RT: 6.07 min Scan# 792
Delta R.T. -0.01 min
Lab File: 022.D
Acq: 12 Dec 2007 15:34

Tgt Ion: 91 Resp: 96
Ion Ratio Lower Upper
91 100
106 0.0 36.4 54.6#



Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\2007\20071212\023.D Vial: 1
Acq On : 12 Dec 2007 15:44 Operator: CWS
Sample : 4467/ MSGS13 DUP Inst : Instrumen
Misc : 5 ML / 12 DEC 2007 Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Jan 08 16:03:08 2008 Quant Results File: LOOP20071212.RES

Quant Method : C:\MSDCHEM\1...\LOOP20071212.M (RTE Integrator)

Title : VOC

Last Update : Tue Jan 08 15:15:22 2008

Response via : Initial Calibration

DataAcq Meth : LOOPSIMI

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	4.27	49	812	10.00	ppbv	0.01
9) 1,4-Difluorobenzene	4.60	114	2016m	10.00	ppbv	0.00
12) Chlorobenzene-d5	6.01	117	1776	10.00	ppbv	0.02

Target Compounds

Qvalue

10) Benzene	4.55	78	377m	2.83	ppbv	
13) Toluene	5.27	91	370	2.30	ppbv	92

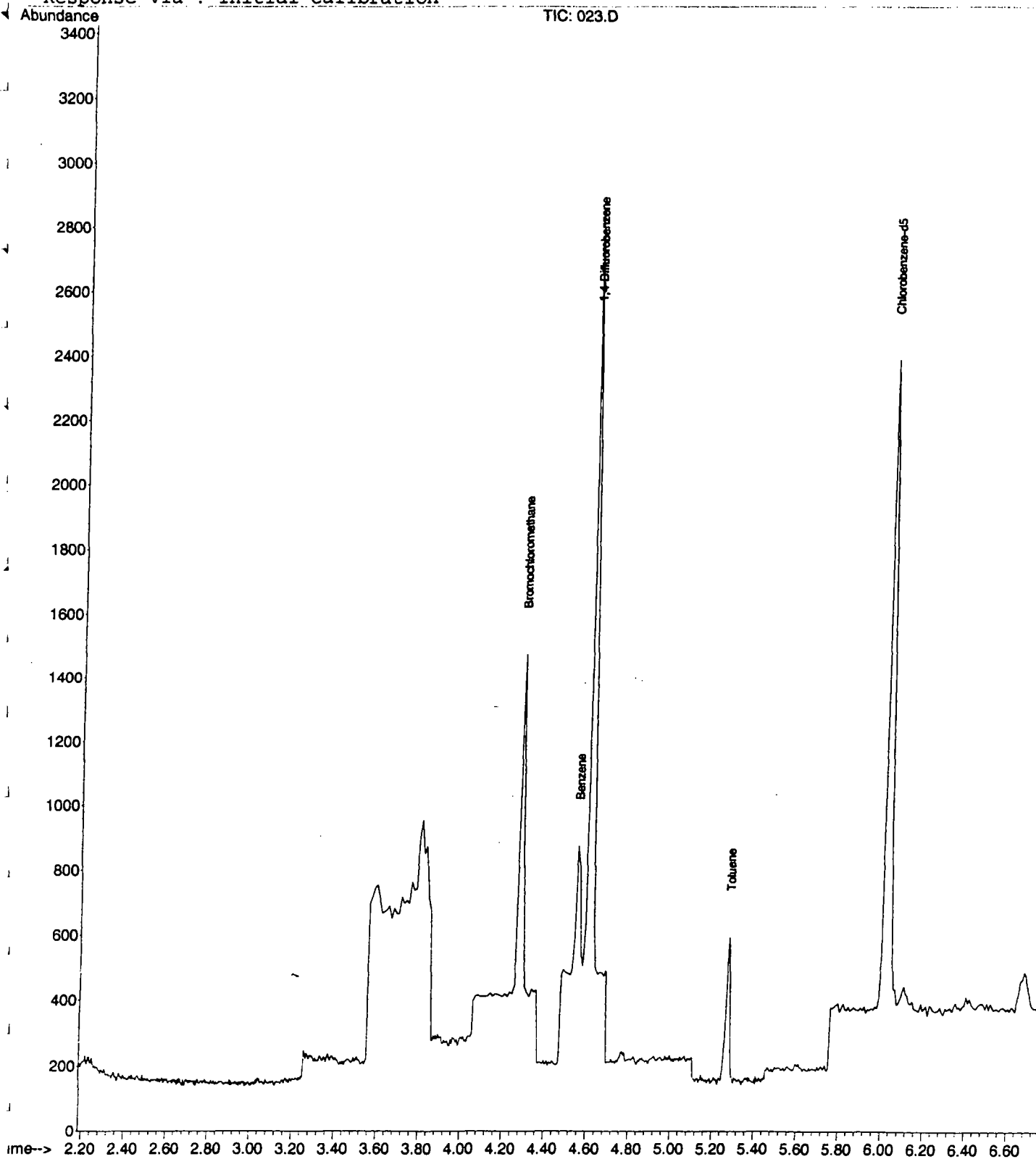
Quantitation Report (QT Reviewed)

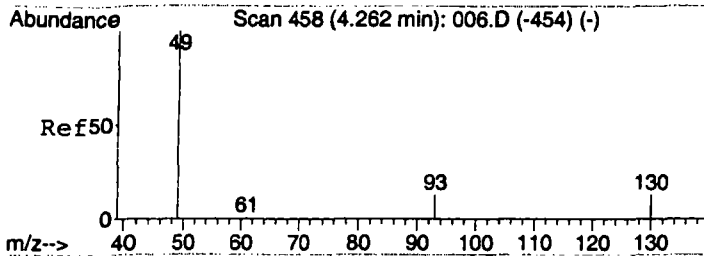
Data File : C:\MSDCHEM\1\DATA\2007\20071212\023.D
 Acq On : 12 Dec 2007 15:44
 Sample : 4467/ MSG13 DUP
 Misc : 5 ML / 12 DEC 2007
 MS Integration Params: rteint.p
 Quant Time: Jan 8 16:04 2008

Vial: 1
 Operator: CWS
 Inst : Instrumen
 Multiplr: 1.00

Quant Results File: LOOP20071212.RES

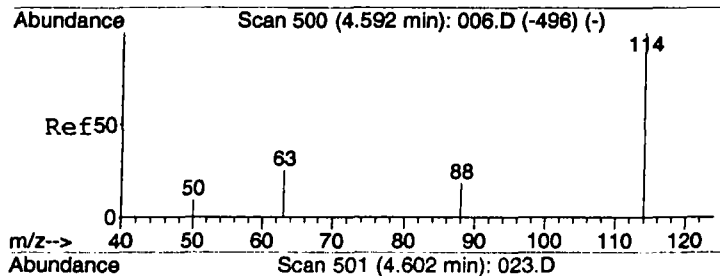
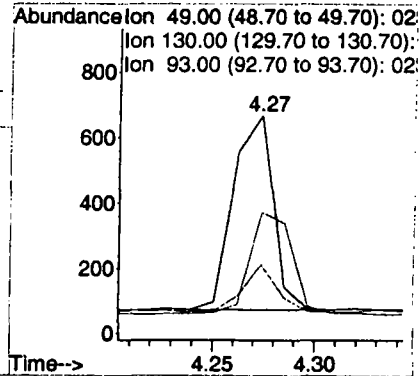
Method : C:\MSDCHEM\1\METHODS\LOOP20071212.M (RTE Integrator)
 Title : VOC
 Last Update : Tue Jan 08 15:15:22 2008
 Response via : Initial Calibration





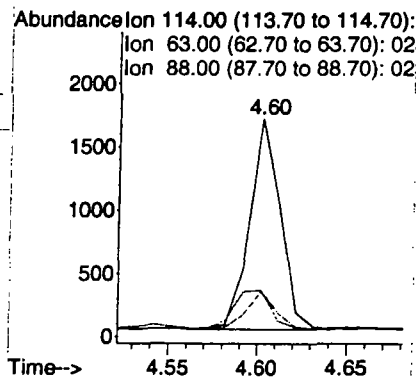
#1
Bromochloromethane
Concen: 10.00 ppbv
RT: 4.27 min Scan# 459
Delta R.T. 0.01 min
Lab File: 023.D
Acq: 12 Dec 2007 15:44

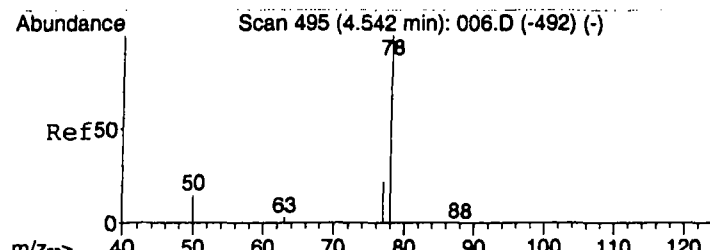
Tgt Ion	Ratio	Lower	Upper
49	100		
130	102.5	105.7	158.5#
93	20.9	24.4	36.6#



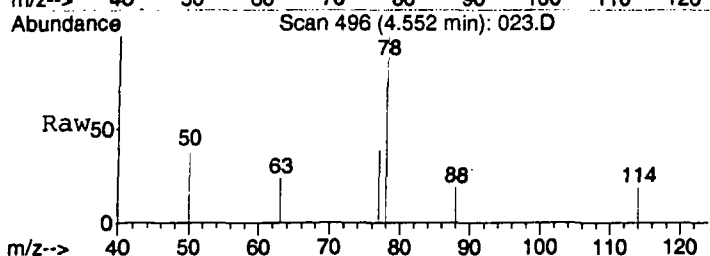
#9
1,4-Difluorobenzene
Concen: 10.00 ppbv m
RT: 4.60 min Scan# 501
Delta R.T. 0.01 min
Lab File: 023.D
Acq: 12 Dec 2007 15:44

Tgt Ion	Ratio	Lower	Upper
114	100		
63	24.2	15.4	23.2#
88	20.8	11.8	17.6#

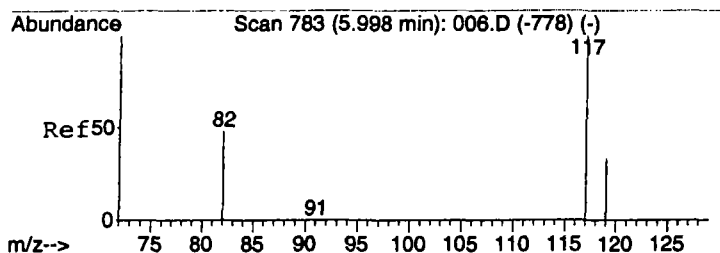
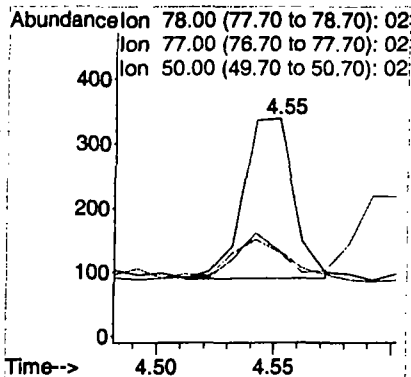
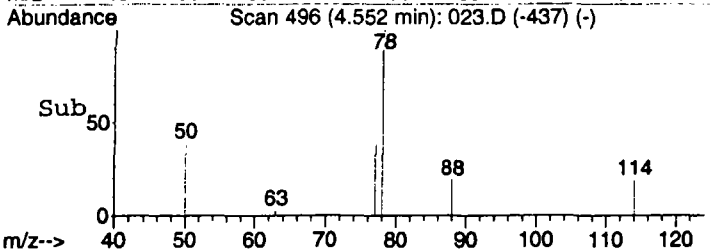




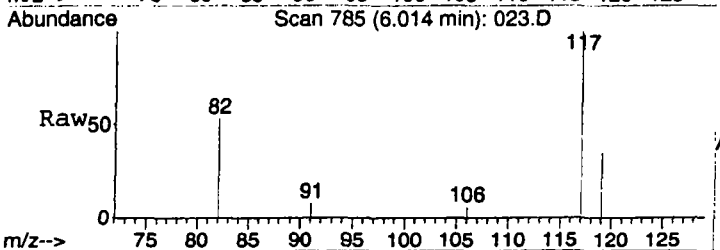
#10
Benzene
Concen: 2.83 ppbv m
RT: 4.55 min Scan# 496
Delta R.T. 0.01 min
Lab File: 023.D
Acq: 12 Dec 2007 15:44



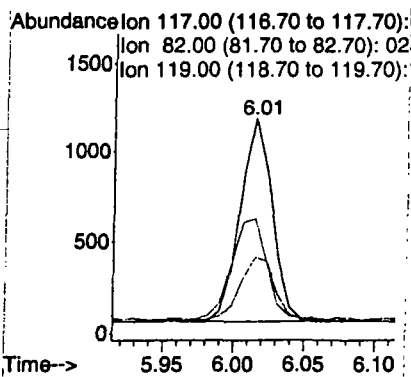
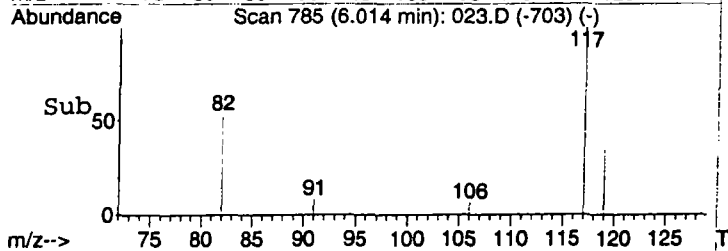
Tgt Ion: 78 Resp: 377
Ion Ratio Lower Upper
78 100
77 67.9 20.5 30.7#
50 81.2 15.9 23.9#

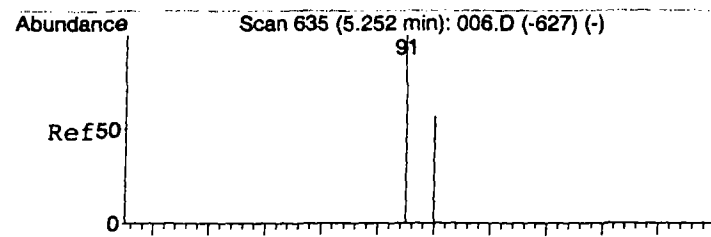


#12
Chlorobenzene-d5
Concen: 10.00 ppbv
RT: 6.01 min Scan# 785
Delta R.T. 0.02 min
Lab File: 023.D
Acq: 12 Dec 2007 15:44

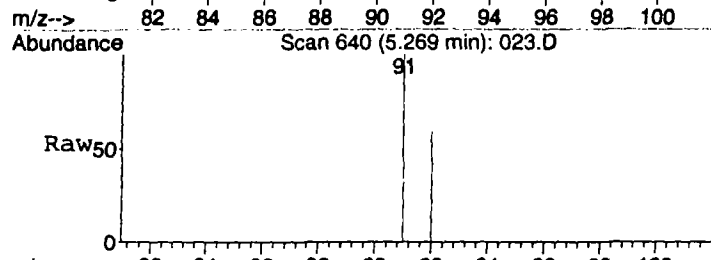


Tgt Ion: 117 Resp: 1776
Ion Ratio Lower Upper
117 100
82 55.2 41.0 61.6
119 34.3 25.5 38.3

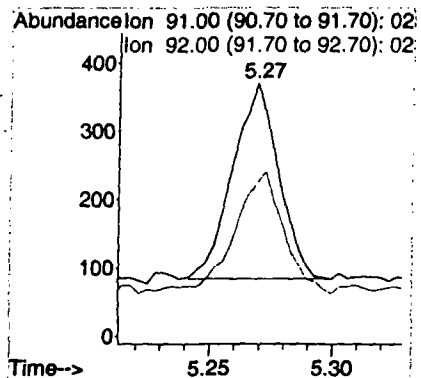
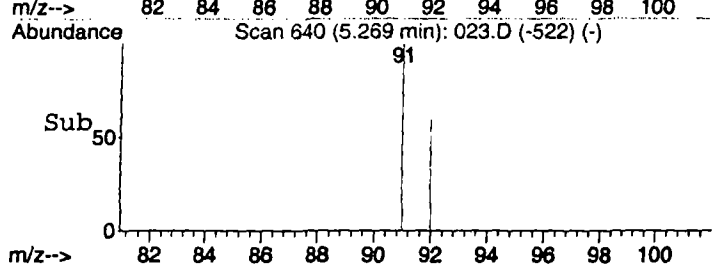




#13
 Toluene
 Concen: 2.30 ppbv
 RT: 5.27 min Scan# 640
 Delta R.T. 0.02 min
 Lab File: 023.D
 Acq: 12 Dec 2007 15:44



Tgt Ion: 91 Resp: 370
 Ion Ratio Lower Upper
 91 100
 92 64.3 46.9 70.3



Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\2007\20071212\024.D Vial: 1
 Acq On : 12 Dec 2007 15:55 Operator: CWS
 Sample : 4464/ MGSS43 Inst : Instrumen
 Visc : 5 ML / 12 DEC 2007 Multiplr: 1.00
 MS Integration Params: rteint.p
 Quant Time: Jan 08 16:05:07 2008 Quant Results File: LOOP20071212.RES

Quant Method : C:\MSDCHEM\1...\LOOP20071212.M (RTE Integrator)
 Title : VOC
 Last Update : Tue Jan 08 15:15:22 2008
 Response via : Initial Calibration
 DataAcq Meth : LOOPSIMI

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	4.26	49	816	10.00	ppbv	0.00
9) 1,4-Difluorobenzene	4.59	114	2008m	10.00	ppbv	0.00
12) Chlorobenzene-d5	5.99	117	1821	10.00	ppbv	0.00
Target Compounds						Qvalue
14) Tetrachloroethene	5.58	166	1331	16.00	ppbv	99

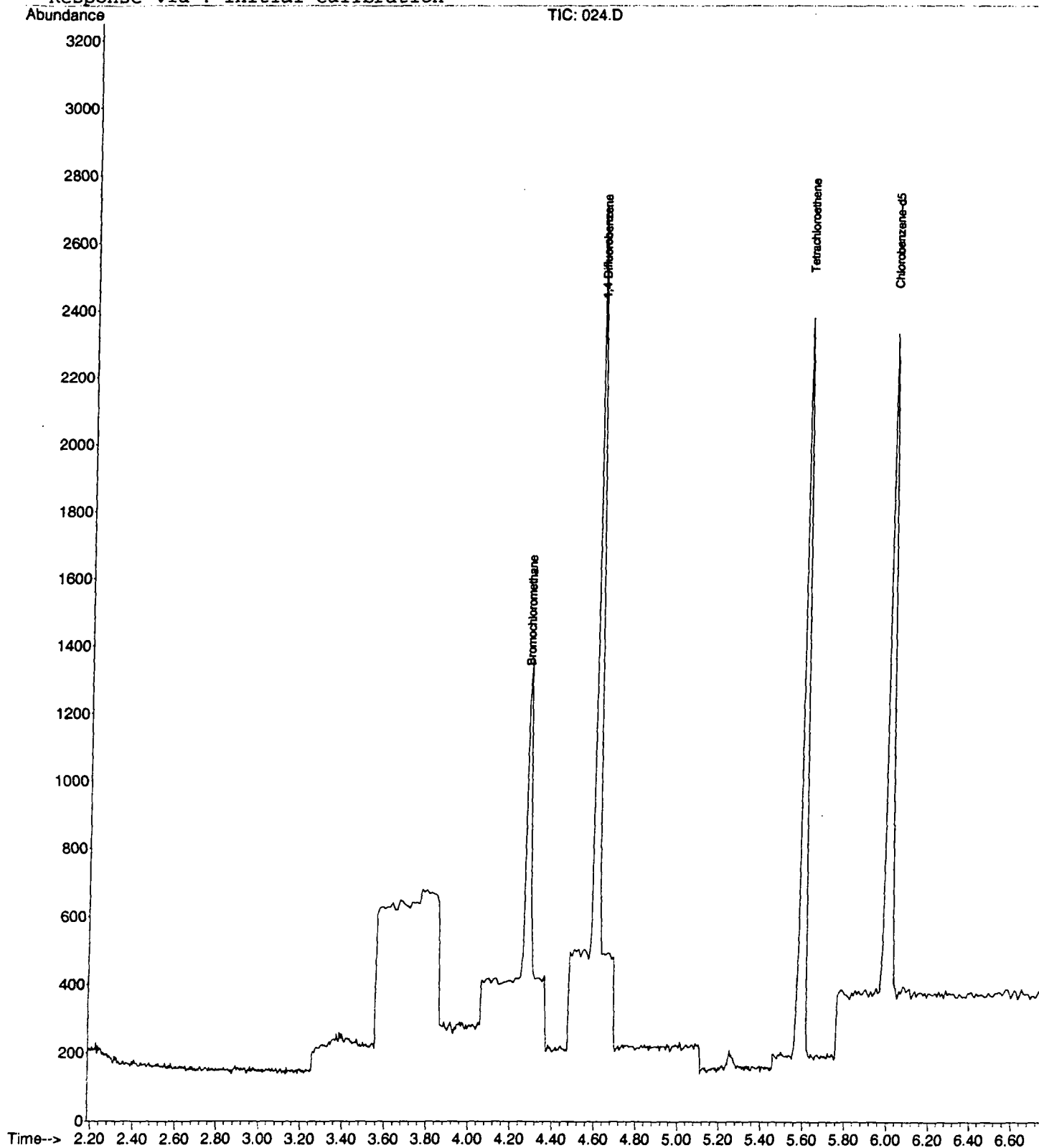
Quantitation Report (QT Reviewed)

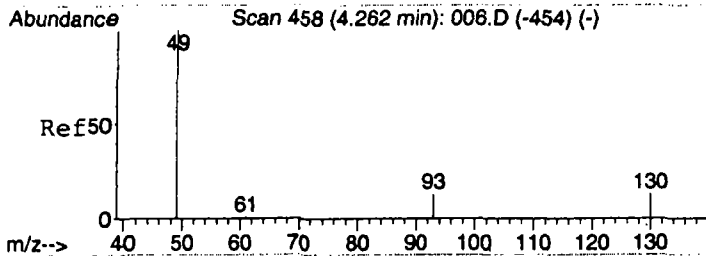
Data File : C:\MSDCHEM\1\DATA\2007\20071212\024.D
 Acq On : 12 Dec 2007 15:55
 Sample : 4464/ MGSS43
 Misc : 5 ML / 12 DEC 2007
 MS Integration Params: rteint.p
 Quant Time: Jan 8 16:07 2008

Vial: 1
 Operator: CWS
 Inst : Instrumen
 Multiplr: 1.00

Quant Results File: LOOP20071212.RES

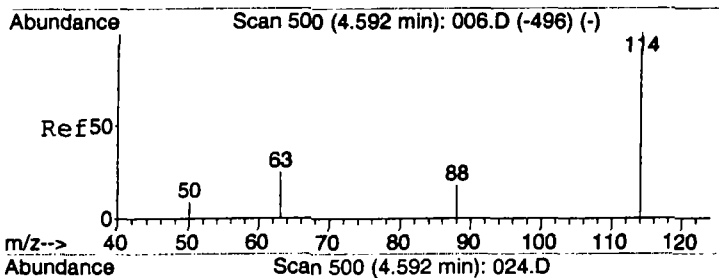
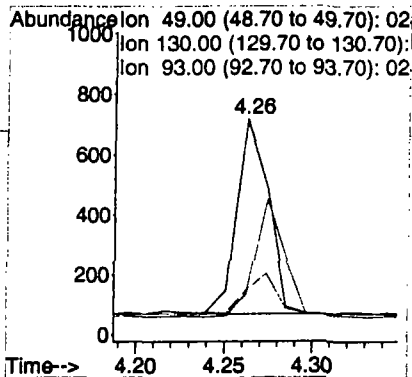
Method : C:\MSDCHEM\1\METHODS\LOOP20071212.M (RTE Integrator)
 Title : VOC
 Last Update : Tue Jan 08 15:15:22 2008
 Response via : Initial Calibration





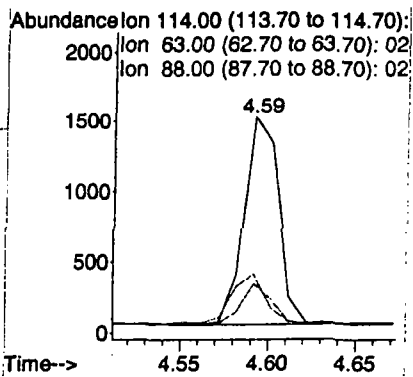
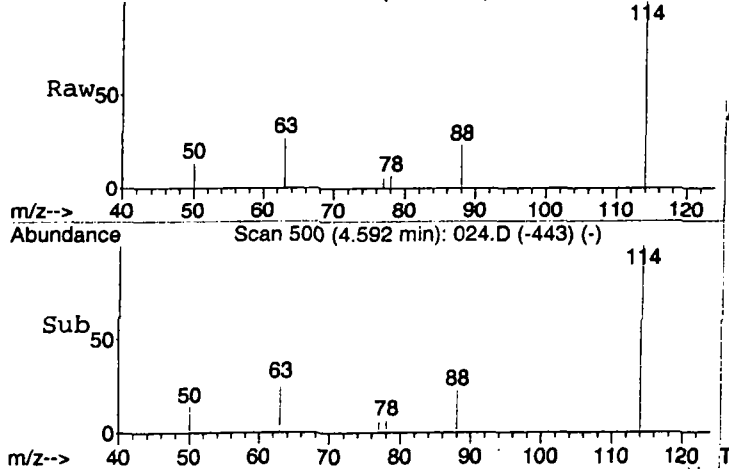
#1
Bromochloromethane
Concen: 10.00 ppbv
RT: 4.26 min Scan# 458
Delta R.T. -0.00 min
Lab File: 024.D
Acq: 12 Dec 2007 15:55

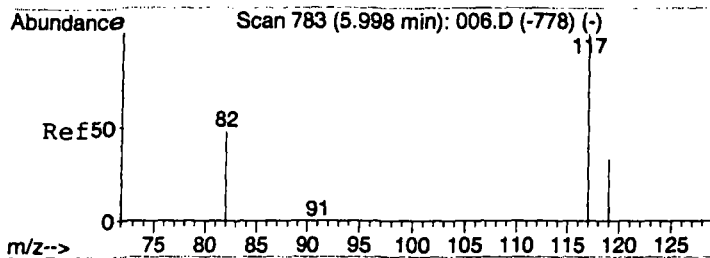
Tgt Ion: 49 Resp: 816
Ion Ratio Lower Upper
49 100
130 102.9 105.7 158.5#
93 21.3 24.4 36.6#



#9
1,4-Difluorobenzene
Concen: 10.00 ppbv m
RT: 4.59 min Scan# 500
Delta R.T. -0.00 min
Lab File: 024.D
Acq: 12 Dec 2007 15:55

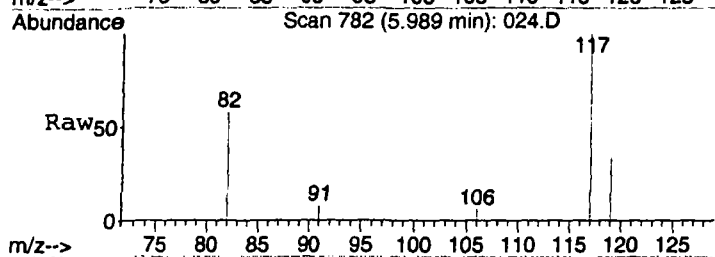
Tgt Ion: 114 Resp: 2008
Ion Ratio Lower Upper
114 100
63 25.0 15.4 23.2#
88 20.8 11.8 17.6#



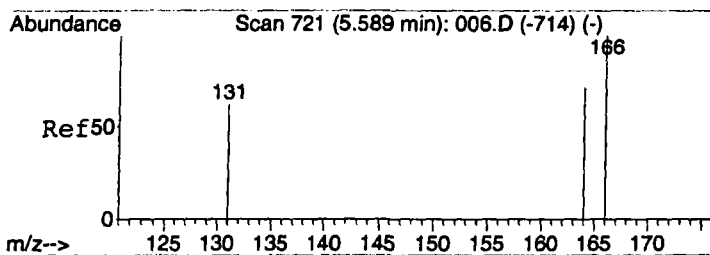
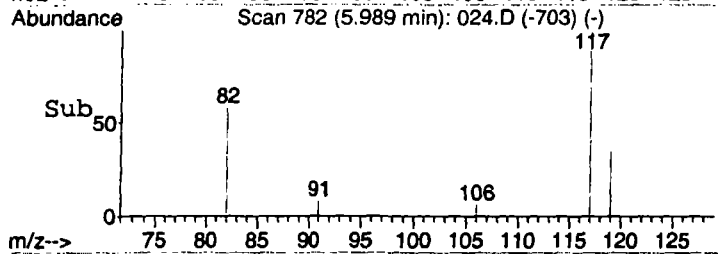
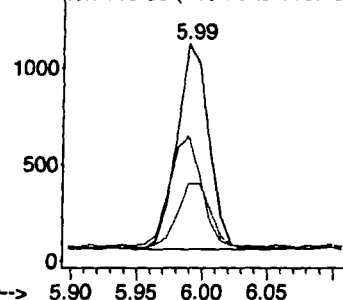


#12
Chlorobenzene-d5
Concen: 10.00 ppbv
RT: 5.99 min Scan# 782
Delta R.T. -0.01 min
Lab File: 024.D
Acq: 12 Dec 2007 15:55

Tgt Ion:117 Resp: 1821
Ion Ratio Lower Upper
117 100
82 54.0 41.0 61.6
119 32.6 25.5 38.3

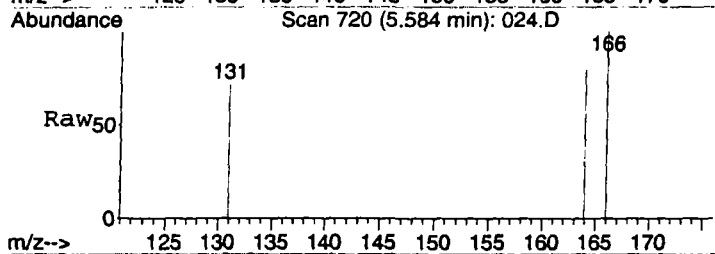


Abundance Ion 117.00 (116.70 to 117.70):
1500 Ion 82.00 (81.70 to 82.70): 02
Ion 119.00 (118.70 to 119.70):

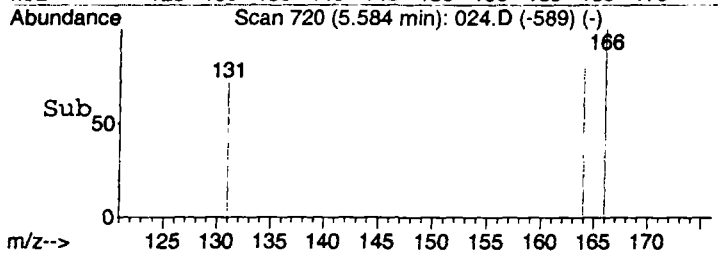
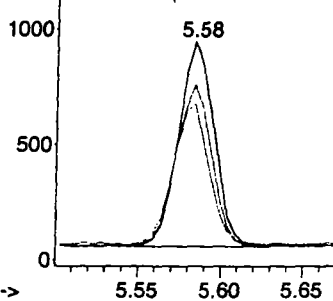


#14
Tetrachloroethene
Concen: 16.00 ppbv
RT: 5.58 min Scan# 720
Delta R.T. -0.01 min
Lab File: 024.D
Acq: 12 Dec 2007 15:55

Tgt Ion:166 Resp: 1331
Ion Ratio Lower Upper
166 100
164 79.3 62.8 94.2
131 69.8 56.9 85.3



Abundance Ion 166.00 (165.70 to 166.70):
Ion 164.00 (163.70 to 164.70):
Ion 131.00 (130.70 to 131.70):



Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\2007\20071212\024.D Vial: 1
 Acq On : 12 Dec 2007 15:55 Operator: CWS
 Sample : 4464/ MGSS43 Inst : Instrumen
 Misc : 5 ML / 12 DEC 2007 Multiplr: 1.00
 MS Integration Params: rteint.p
 Quant Time: Jan 08 16:05:07 2008 Quant Results File: LOOP20071212.RES

Quant Method : C:\MSDCHEM\1...\LOOP20071212.M (RTE Integrator)
 Title : VOC
 Last Update : Tue Jan 08 15:15:22 2008
 Response via : Initial Calibration
 DataAcq Meth : LOOPSIMI

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	4.26	49	816	10.00	ppbv	0.00
9) 1,4-Difluorobenzene	4.59	114	2008m	10.00	ppbv	0.00
12) Chlorobenzene-d5	5.99	117	1821	10.00	ppbv	0.00

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
14) Tetrachloroethene	5.58	166	1331	16.00	ppbv	99

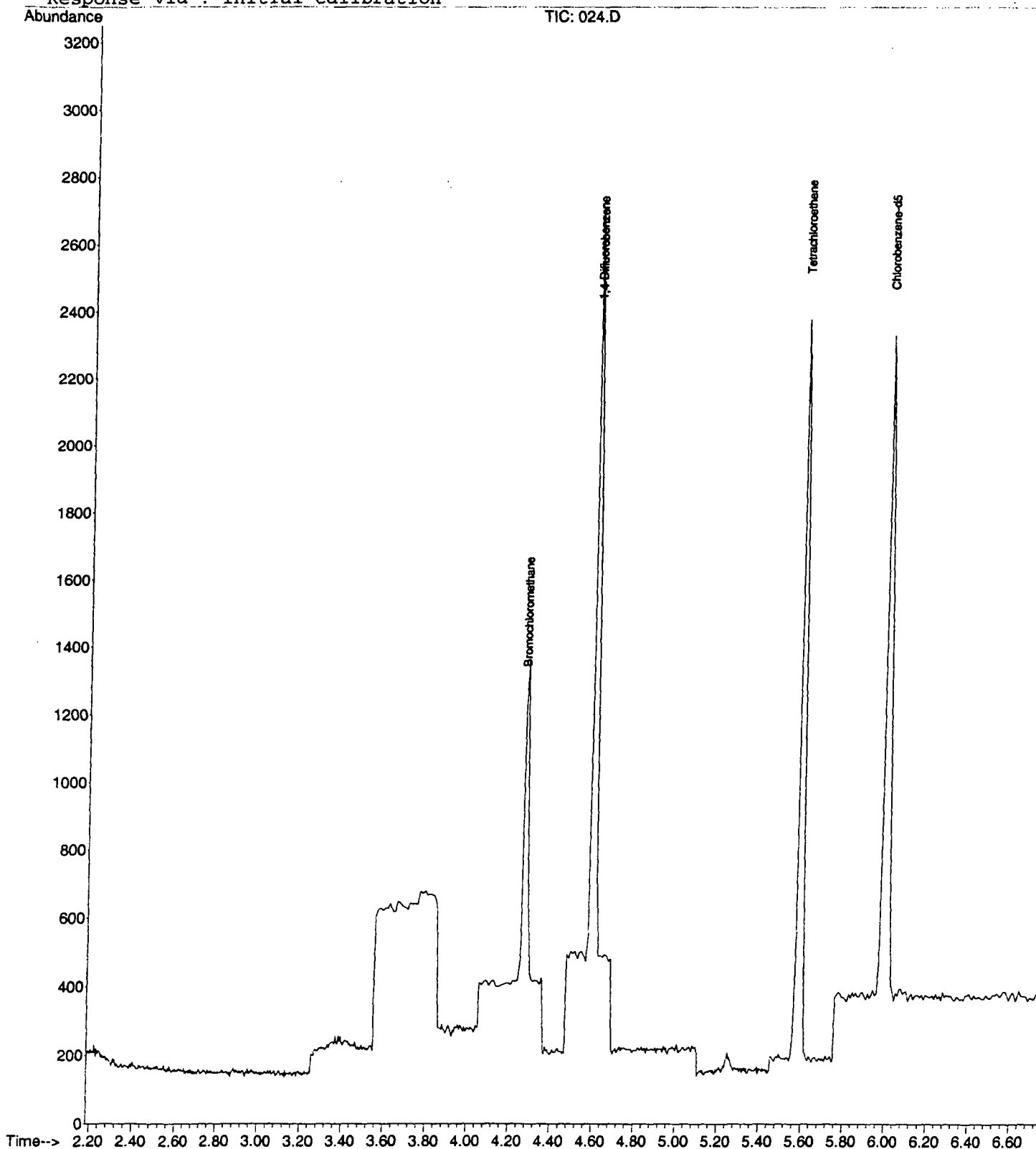
Quantitation Report (QT Reviewed)

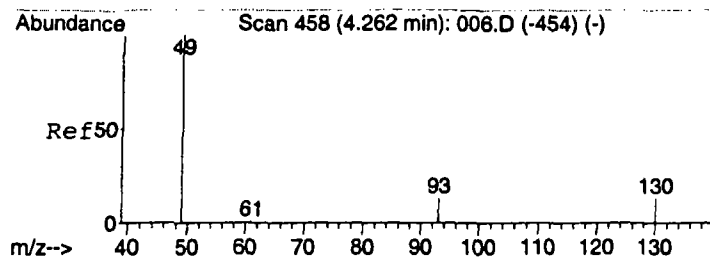
Data File : C:\MSDCHEM\1\DATA\2007\20071212\024.D
 Acq On : 12 Dec 2007 15:55
 Sample : 4464/ MGSS43
 Misc : 5 ML / 12 DEC 2007
 MS Integration Params: rteint.p
 Quant Time: Jan 8 16:07 2008

Vial: 1
 Operator: CWS
 Inst : Instrumen
 Multiplr: 1.00

Quant Results File: LOOP20071212.RES

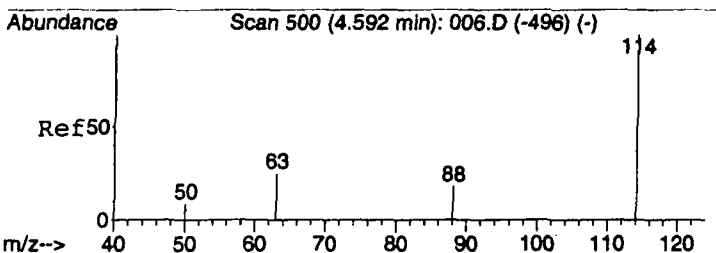
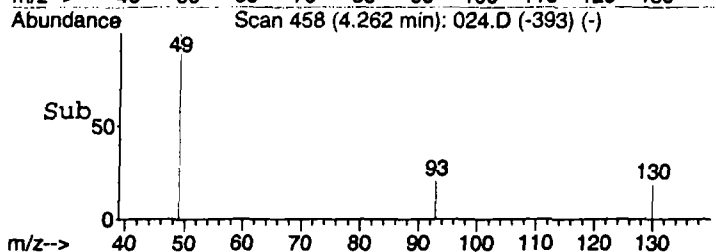
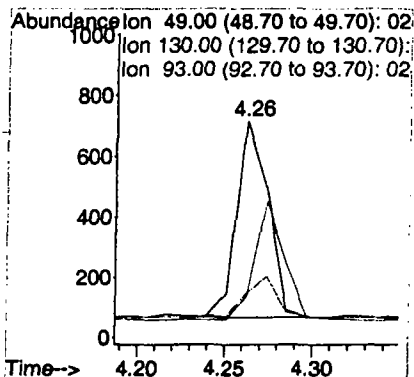
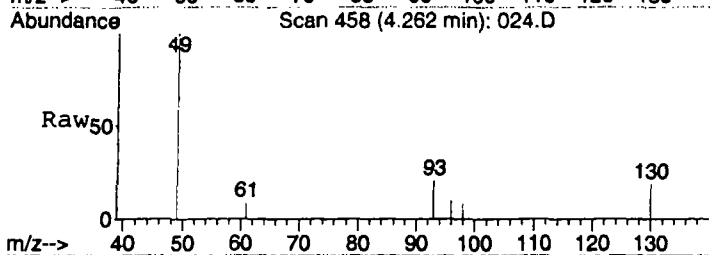
Method : C:\MSDCHEM\1\METHODS\LOOP20071212.M (RTE Integrator)
 Title : VOC
 Last Update : Tue Jan 08 15:15:22 2008
 Response via : Initial Calibration





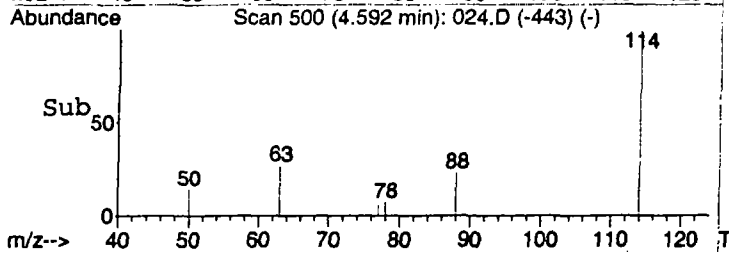
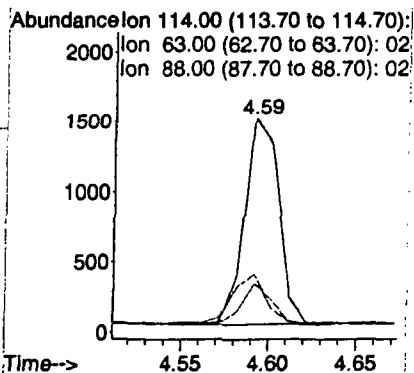
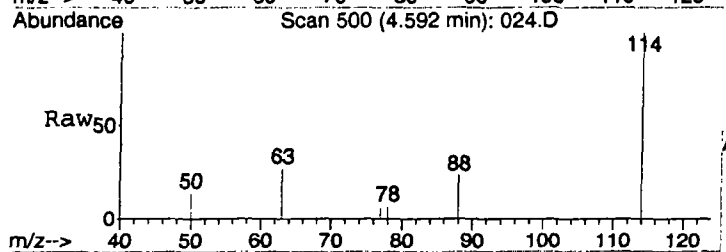
#1
 Bromochloromethane
 Concen: 10.00 ppbv
 RT: 4.26 min Scan# 458
 Delta R.T. -0.00 min
 Lab File: 024.D
 Acq: 12 Dec 2007 15:55

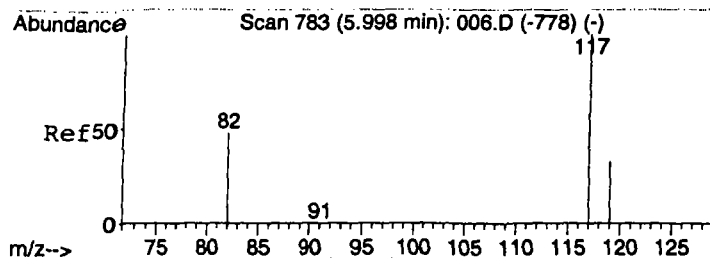
Tgt Ion: 49 Resp: 816
 Ion Ratio Lower Upper
 49 100
 130 102.9 105.7 158.5#
 93 21.3 24.4 36.6#



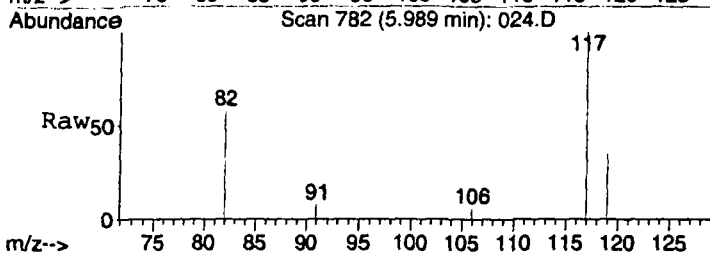
#9
 1,4-Difluorobenzene
 Concen: 10.00 ppbv m
 RT: 4.59 min Scan# 500
 Delta R.T. -0.00 min
 Lab File: 024.D
 Acq: 12 Dec 2007 15:55

Tgt Ion: 114 Resp: 2008
 Ion Ratio Lower Upper
 114 100
 63 25.0 15.4 23.2#
 88 20.8 11.8 17.6#

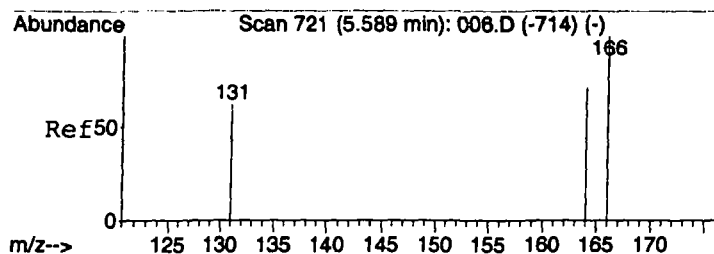
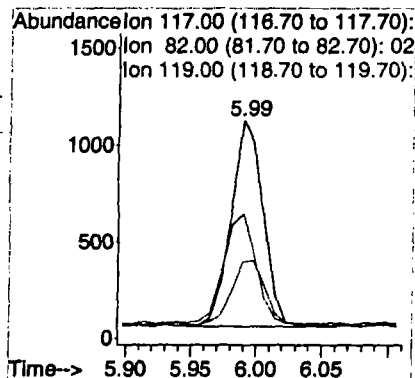
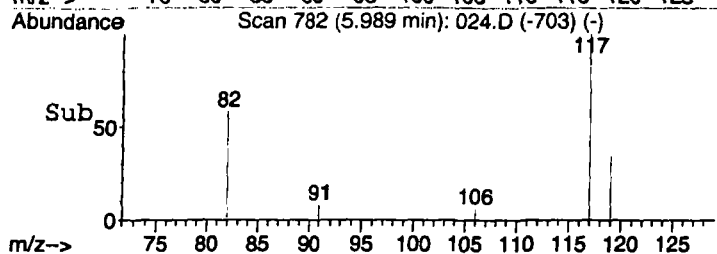




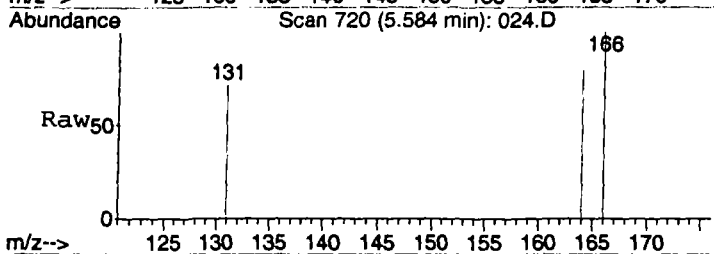
#12
Chlorobenzene-d5
Concen: 10.00 ppbv
RT: 5.99 min Scan# 782
Delta R.T. -0.01 min
Lab File: 024.D
Acq: 12 Dec 2007 15:55



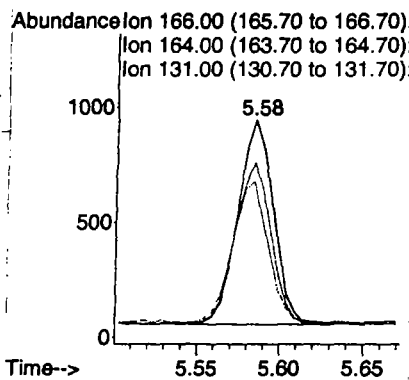
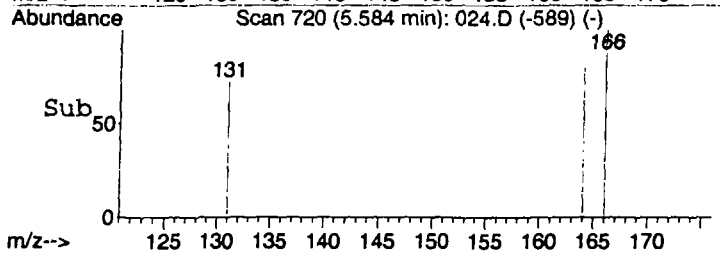
Tgt Ion:117 Resp: 1821
Ion Ratio Lower Upper
117 100
82 54.0 41.0 61.6
119 32.6 25.5 38.3



#14
Tetrachloroethene
Concen: 16.00 ppbv
RT: 5.58 min Scan# 720
Delta R.T. -0.01 min
Lab File: 024.D
Acq: 12 Dec 2007 15:55



Tgt Ion:166 Resp: 1331
Ion Ratio Lower Upper
166 100
164 79.3 62.8 94.2
131 69.8 56.9 85.3



Quantitation Report (QT Reviewed)

ata File : C:\MSDCHEM\1\DATA\2007\20071212\025.D Vial: 1
 Acq On : 12 Dec 2007 16:45 Operator: CWS
 Sample : 4465/ MGSS106 Inst : Instrumen
 Volume : 5 ML / 12 DEC 2007 Multiplr: 1.00
 S Integration Params: rteint.p
 Quant Time: Jan 08 16:08:23 2008 Quant Results File: LOOP20071212.RES

Quant Method : C:\MSDCHEM\1...\LOOP20071212.M (RTE Integrator)
 Title : VOC
 Last Update : Tue Jan 08 15:15:22 2008
 Response via : Initial Calibration
 DataAcq Meth : LOOPSIMI

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	4.26	49	809m	10.00	ppbv	0.00
9) 1,4-Difluorobenzene	4.60	114	1903m	10.00	ppbv	0.00
12) Chlorobenzene-d5	6.00	117	1686	10.00	ppbv	0.00

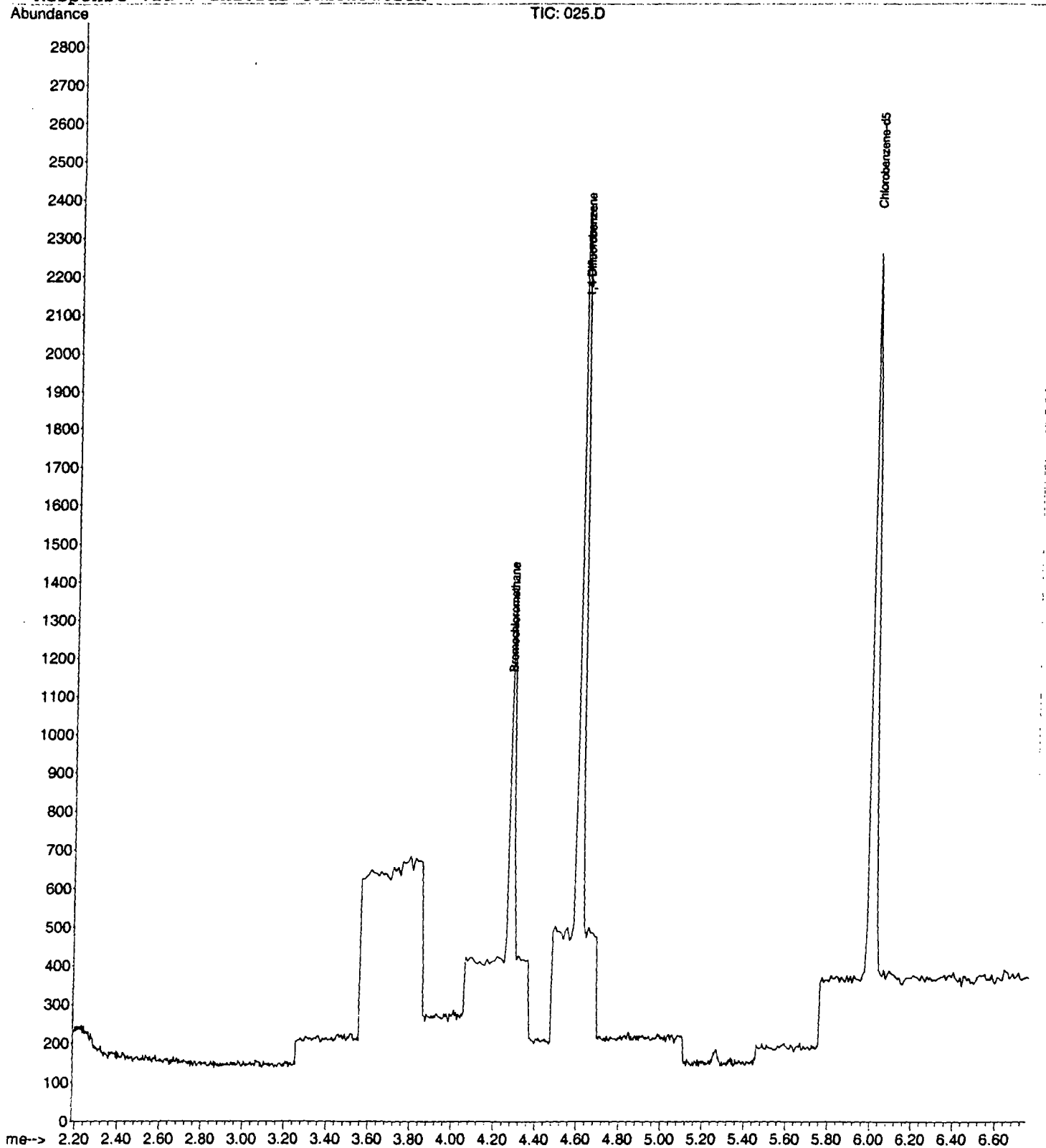
Target Compounds Qvalue

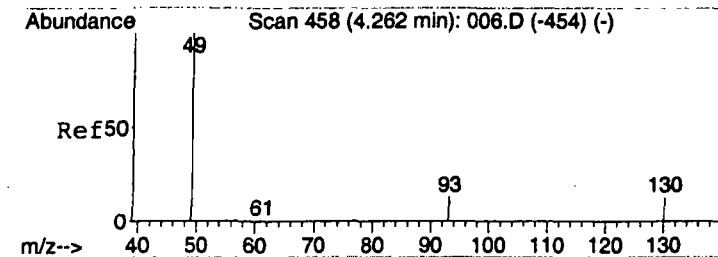
Data File : C:\MSDCHEM\1\DATA\2007\20071212\025.D
Acq On : 12 Dec 2007 16:45
Sample : 4465/ MGSS106
Misc : 5 ML / 12 DEC 2007
MS Integration Params: rteint.p
Quant Time: Jan 8 16:10 2008

Vial: 1
Operator: CWS
Inst : Instrumen
Multiplr: 1.00

Quant Results File: LOOP20071212.RES

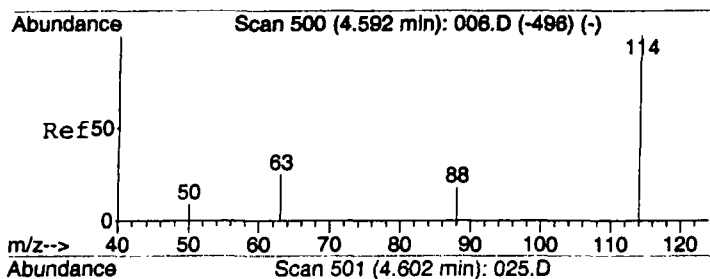
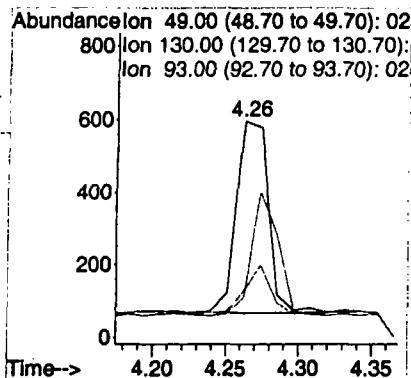
Method : C:\MSDCHEM\1\METHODS\LOOP20071212.M (RTE Integrator)
Title : VOC
Last Update : Tue Jan 08 15:15:22 2008
Response via : Initial Calibration





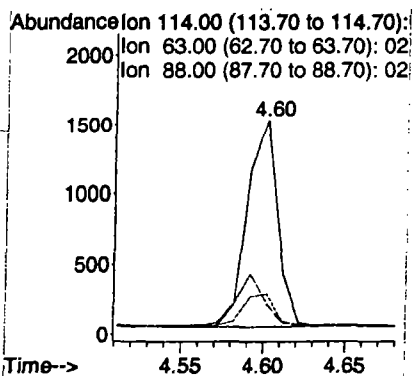
#1
Bromochloromethane
Concen: 10.00 ppbv m
RT: 4.26 min Scan# 458
Delta R.T. -0.00 min
Lab File: 025.D
Acq: 12 Dec 2007 16:45

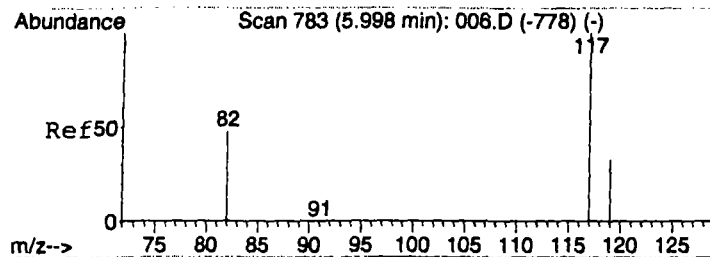
Tgt Ion	Resp	Ion Ratio	Lower	Upper
49	809	100		
130		54.6	105.7	158.5#
93		19.2	24.4	36.6#



#9
1,4-Difluorobenzene
Concen: 10.00 ppbv m
RT: 4.60 min Scan# 501
Delta R.T. 0.01 min
Lab File: 025.D
Acq: 12 Dec 2007 16:45

Tgt Ion	Resp	Ion Ratio	Lower	Upper
114	1903	100		
63		50.5	15.4	23.2#
88		20.5	11.8	17.6#





#12

Chlorobenzene-d5

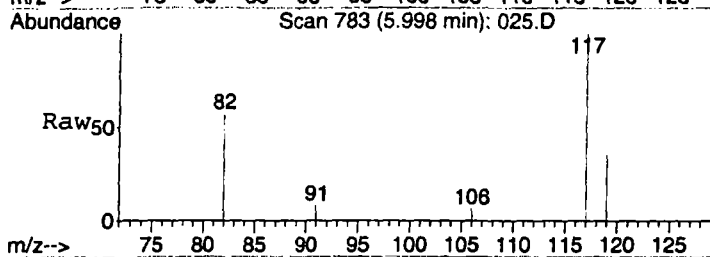
Concen: 10.00 ppbv

RT: 6.00 min Scan# 783

Delta R.T. -0.00 min

Lab File: 025.D

Acq: 12 Dec 2007 16:45



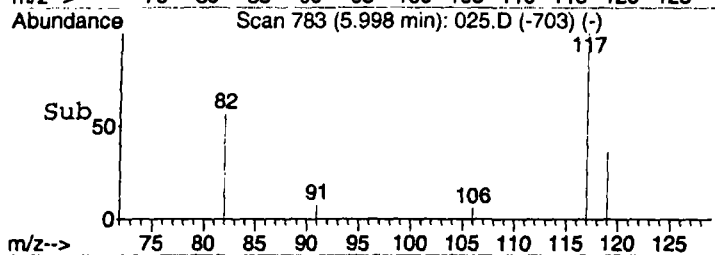
Tgt Ion: 117 Resp: 1686

Ion Ratio Lower Upper

117 100

82 56.6 41.0 61.6

119 33.2 25.5 38.3

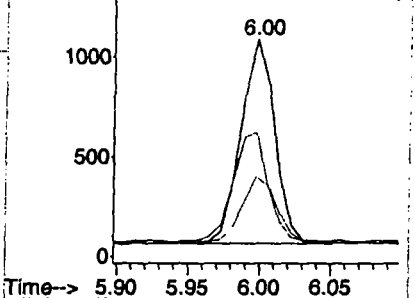


Abundance

Ion 117.00 (116.70 to 117.70):

Ion 82.00 (81.70 to 82.70): 02

Ion 119.00 (118.70 to 119.70):



Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\2007\20071212\026.D Vial: 1
Acq On : 12 Dec 2007 16:55 Operator: CWS
Sample : 4470/ MGSGL5 Inst : Instrumen
Misc : 5 ML / 12 DEC 2007 Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Jan 08 16:10:40 2008 Quant Results File: LOOP20071212.RES

Quant Method : C:\MSDCHEM\1...\LOOP20071212.M (RTE Integrator)

Title : VOC
Last Update : Tue Jan 08 15:15:22 2008
Response via : Initial Calibration
DataAcq Meth : LOOPSIMI

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	4.26	49	840	10.00	ppbv	0.00
9) 1,4-Difluorobenzene	4.59	114	1954m	10.00	ppbv	0.00
12) Chlorobenzene-d5	5.99	117	1749	10.00	ppbv	0.00

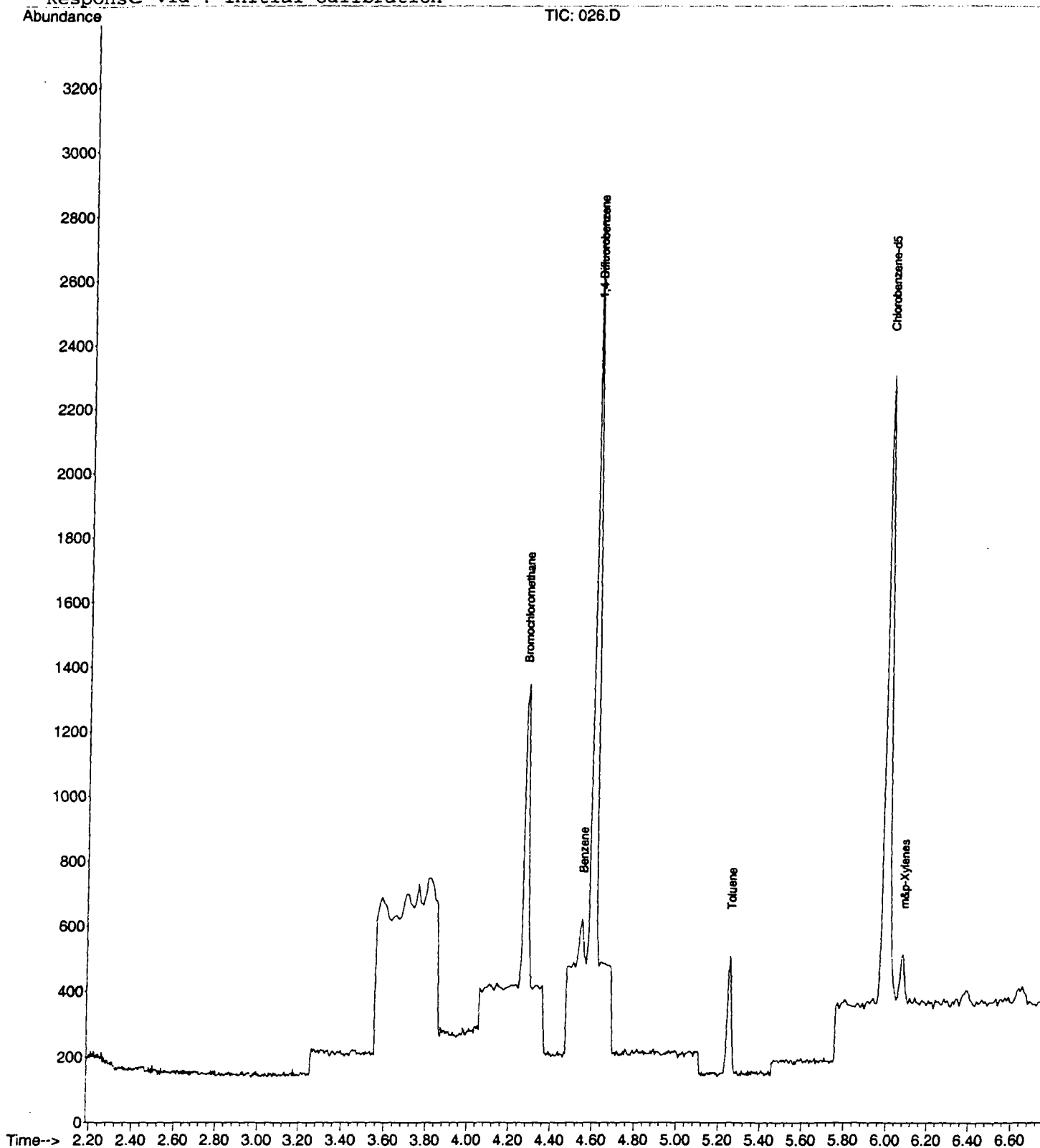
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
10) Benzene	4.54	78	150m	1.16	ppbv	
13) Toluene	5.25	91	309	1.95	ppbv	99
16) m&p-Xylenes	6.06	91	144	1.13	ppbv	97

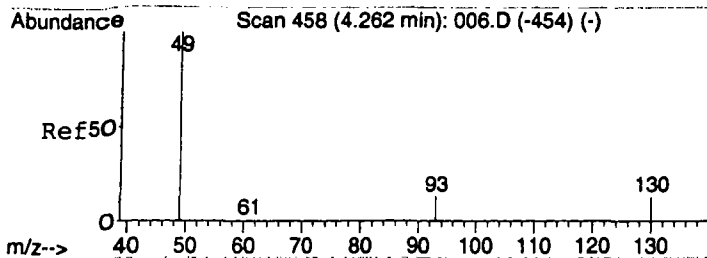
Data File : C:\MSDCHEM\1\DATA\2007\20071212\026.D
Acq On : 12 Dec 2007 16:55
Sample : 4470/ MSGS15
Misc : 5 ML / 12 DEC 2007
MS Integration Params: rteint.p
Quant Time: Jan 8 16:12 2008

Vial: 1
Operator: CWS
Inst : Instrumen
Multiplr: 1.00

Quant Results File: LOOP20071212.RES

Method : C:\MSDCHEM\1\METHODS\LOOP20071212.M (RTE Integrator)
Title : VOC
Last Update : Tue Jan 08 15:15:22 2008
Response via : Initial Calibration

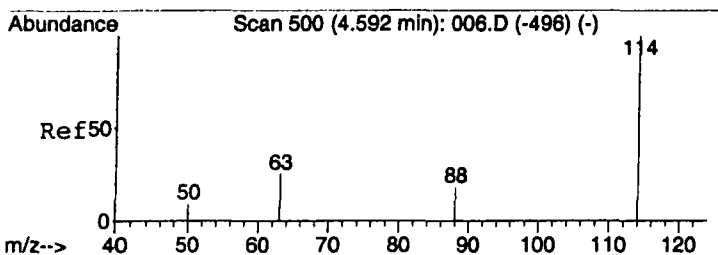
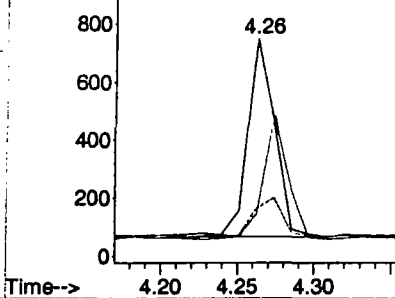




#1
Bromochloromethane
Concen: 10.00 ppbv
RT: 4.26 min Scan# 458
Delta R.T. -0.00 min
Lab File: 026.D
Acq: 12 Dec 2007 16:55

Tgt Ion	Ratio	Lower	Upper
49	100		
130	57.9	105.7	158.5#
93	21.0	24.4	36.6#

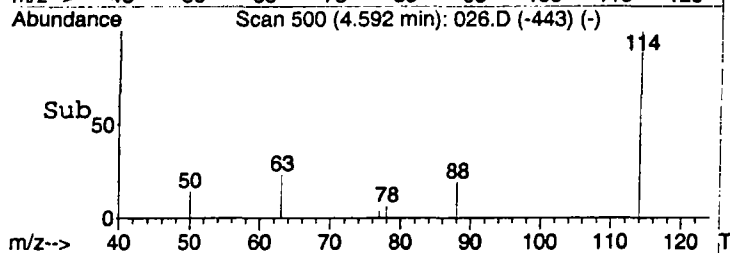
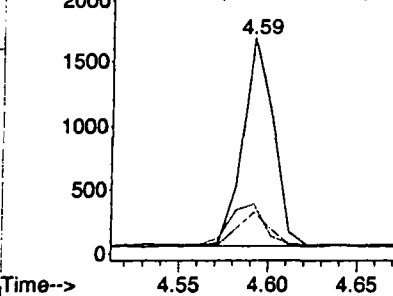
Abundance Ion 49.00 (48.70 to 49.70): 02
1000 Ion 130.00 (129.70 to 130.70): 02
Ion 93.00 (92.70 to 93.70): 02

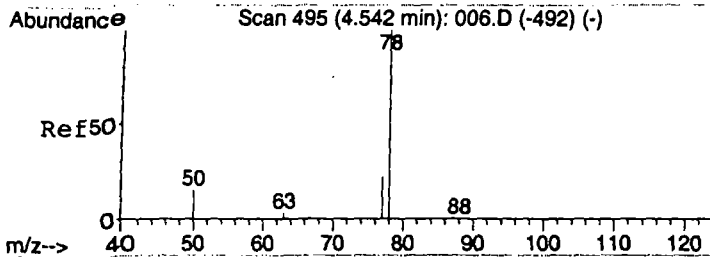


#9
1,4-Difluorobenzene
Concen: 10.00 ppbv m
RT: 4.59 min Scan# 500
Delta R.T. -0.00 min
Lab File: 026.D
Acq: 12 Dec 2007 16:55

Tgt Ion	Ratio	Lower	Upper
114	100		
63	22.4	15.4	23.2
88	17.1	11.8	17.6

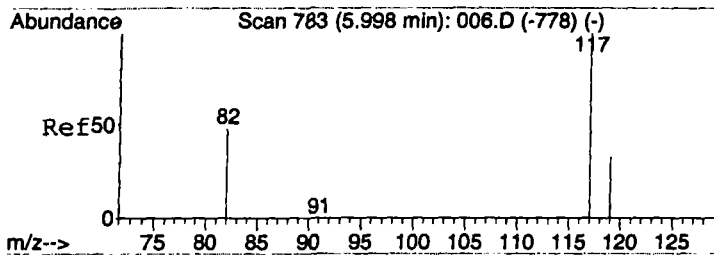
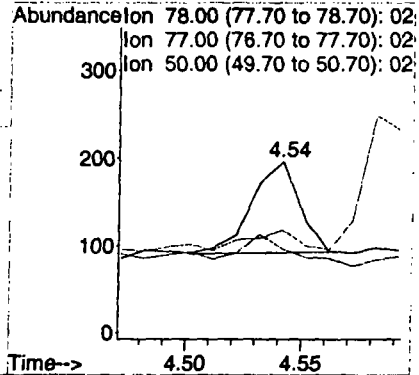
Abundance Ion 114.00 (113.70 to 114.70): 02
Ion 63.00 (62.70 to 63.70): 02
Ion 88.00 (87.70 to 88.70): 02





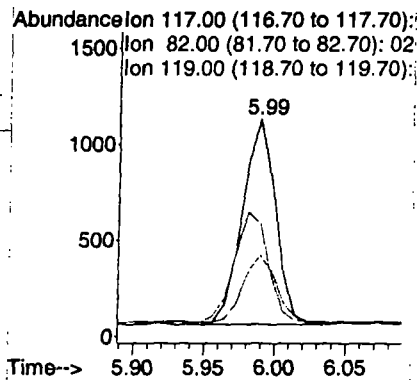
#10
Benzene
Concen: 1.16 ppbv m
RT: 4.54 min Scan# 495
Delta R.T. -0.00 min
Lab File: 026.D
Acq: 12 Dec 2007 16:55

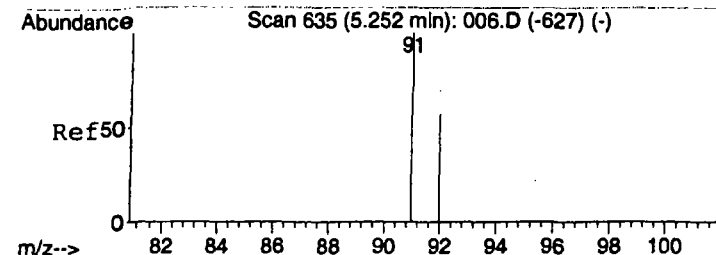
Tgt Ion	Ratio	Lower	Upper
78	100		
77	366.0	20.5	30.7#
50	370.0	15.9	23.9#



#12
Chlorobenzene-d5
Concen: 10.00 ppbv
RT: 5.99 min Scan# 782
Delta R.T. -0.01 min
Lab File: 026.D
Acq: 12 Dec 2007 16:55

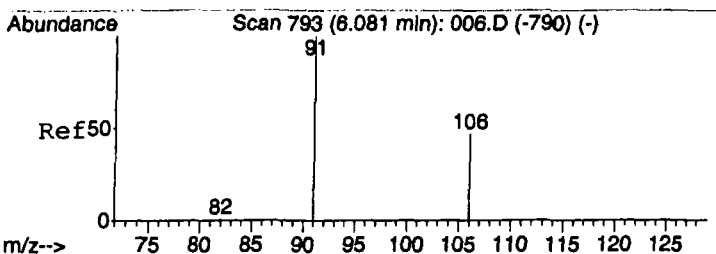
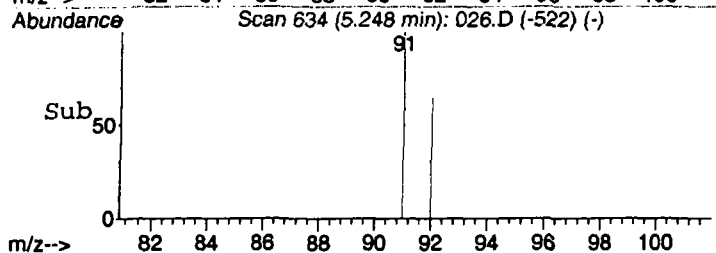
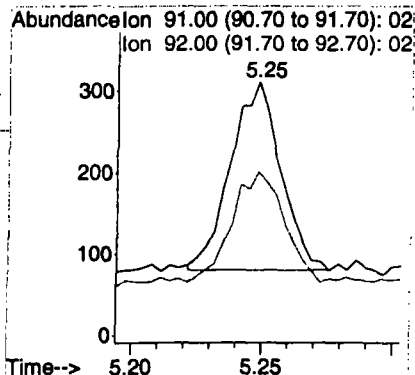
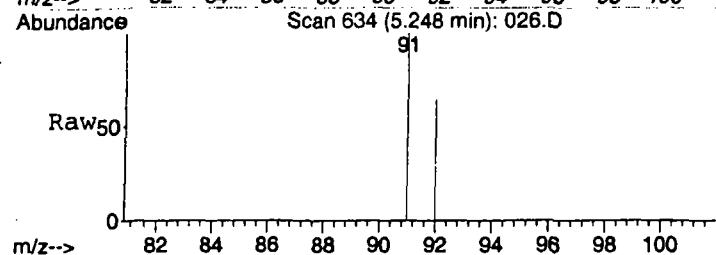
Tgt Ion	Ratio	Lower	Upper
117	100		
82	55.3	41.0	61.6
119	34.3	25.5	38.3





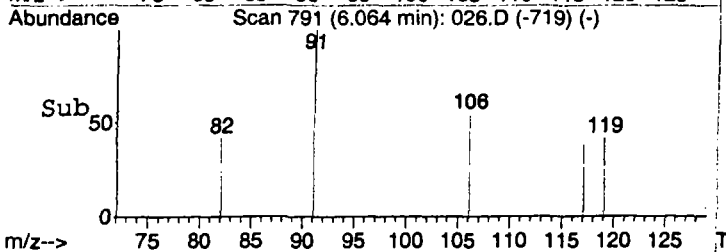
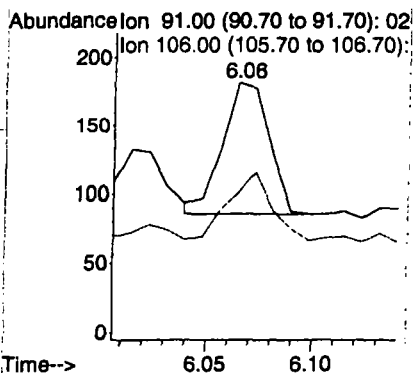
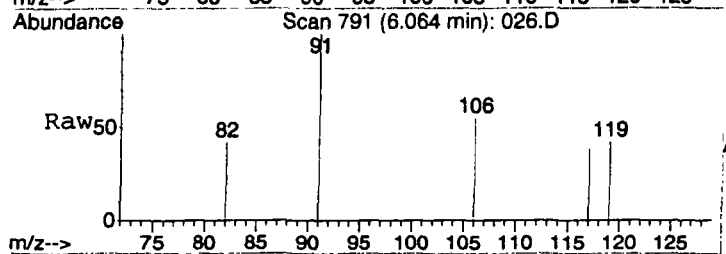
#13
Toluene
Concen: 1.95 ppbv
RT: 5.25 min Scan# 634
Delta R.T. -0.00 min
Lab File: 026.D
Acq: 12 Dec 2007 16:55

Tgt Ion: 91 Resp: 309
Ion Ratio Lower Upper
91 100
92 57.9 46.9 70.3



#16
m&p-Xylenes
Concen: 1.13 ppbv
RT: 6.06 min Scan# 791
Delta R.T. -0.02 min
Lab File: 026.D
Acq: 12 Dec 2007 16:55

Tgt Ion: 91 Resp: 144
Ion Ratio Lower Upper
91 100
106 47.2 36.4 54.6



Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\2007\20071212\027.D Vial: 1
 Acq On : 12 Dec 2007 17:06 Operator: CWS
 Sample : 4471/ MSGS16 Inst : Instrumen
 Misc : 5 ML / 12 DEC 2007 Multiplr: 1.00
 MS Integration Params: rteint.p
 Quant Time: Jan 08 16:12:47 2008 Quant Results File: LOOP20071212.RES

Quant Method : C:\MSDCHEM\1...\LOOP20071212.M (RTE Integrator)

Title : VOC
 Last Update : Tue Jan 08 15:15:22 2008
 Response via : Initial Calibration
 DataAcq Meth : LOOPSIMI

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	4.26	49	829	10.00	ppbv	0.00
9) 1,4-Difluorobenzene	4.59	114	1976m	10.00	ppbv	0.00
12) Chlorobenzene-d5	5.99	117	1838	10.00	ppbv	0.00

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
10) Benzene	4.54	78	100m	0.77	ppbv	
13) Toluene	5.25	91	314	1.88	ppbv	88
16) m&p-Xylenes	6.07	91	125m	0.93	ppbv	

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\2007\20071212\027.D

Vial: 1

Acq On : 12 Dec 2007 17:06

Operator: CWS

Sample : 4471/ MSGS16

Inst : Instrumen

Misc : 5 ML / 12 DEC 2007

Multiplr: 1.00

MS Integration Params: rteint.p

Quant Time: Jan 8 16:14 2008

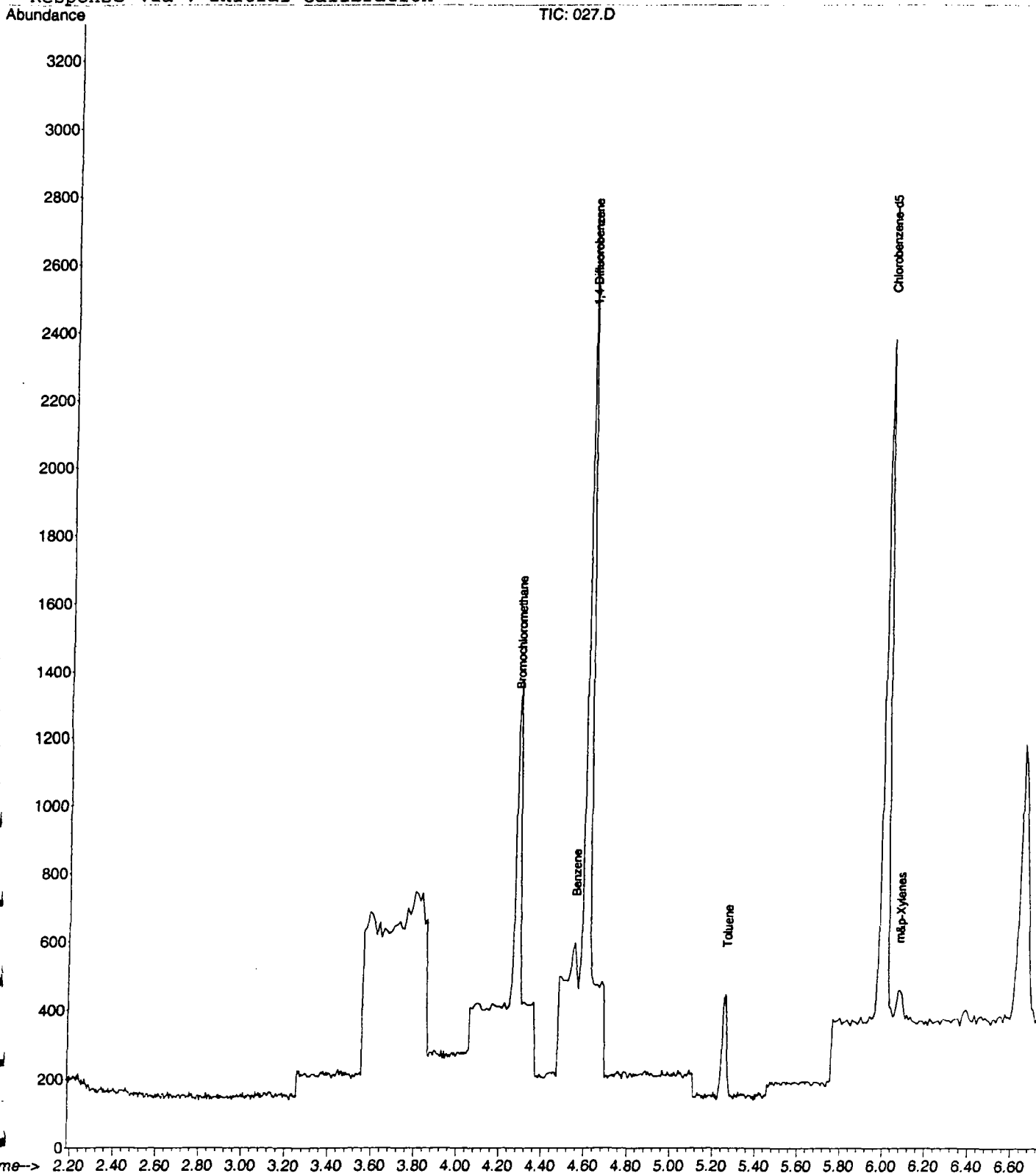
Quant Results File: LOOP20071212.RES

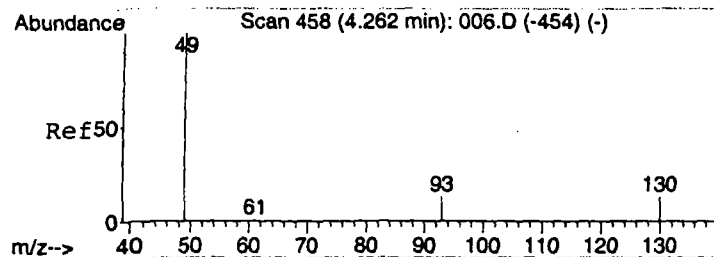
Method : C:\MSDCHEM\1\METHODS\LOOP20071212.M (RTE Integrator)

Title : VOC

Last Update : Tue Jan 08 15:15:22 2008

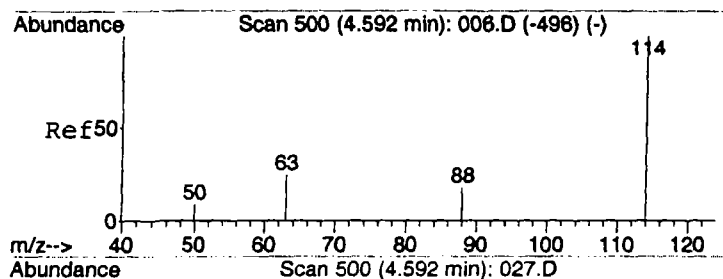
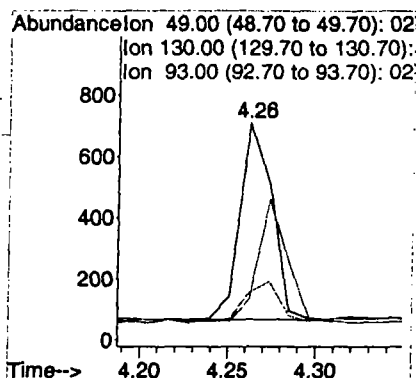
Response via : Initial Calibration





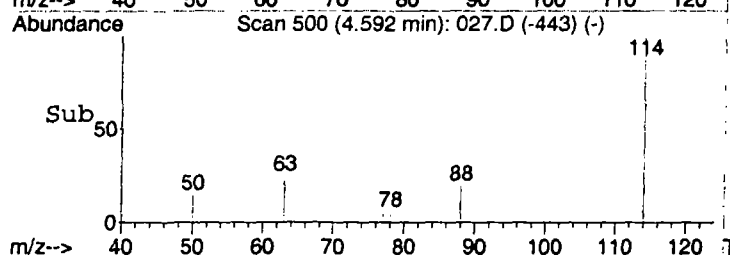
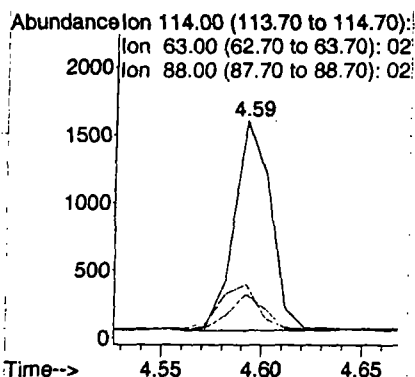
#1
 Bromochloromethane
 Concen: 10.00 ppbv
 RT: 4.26 min Scan# 458
 Delta R.T. -0.00 min
 Lab File: 027.D
 Acq: 12 Dec 2007 17:06

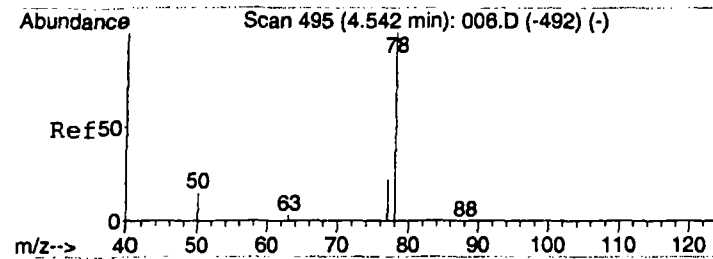
Tgt Ion	49	130	93	Resp	829
Ion Ratio	100	58.7	21.1	Lower	Upper
		105.7	24.4		158.5#
			36.6#		



#9
 1,4-Difluorobenzene
 Concen: 10.00 ppbv m
 RT: 4.59 min Scan# 500
 Delta R.T. -0.00 min
 Lab File: 027.D
 Acq: 12 Dec 2007 17:06

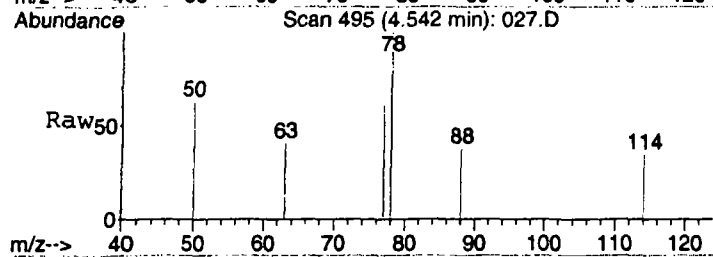
Tgt Ion	114	63	88	Resp	1976
Ion Ratio	100	25.6	20.3	Lower	Upper
		15.4	11.8		23.2#
					17.6#



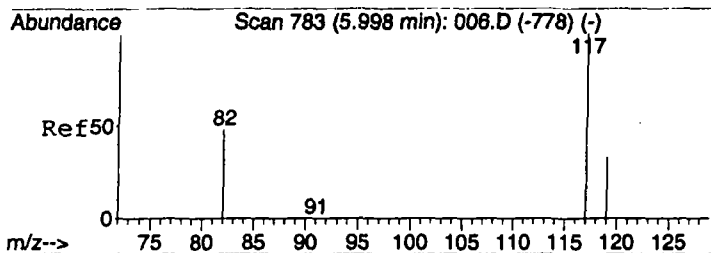
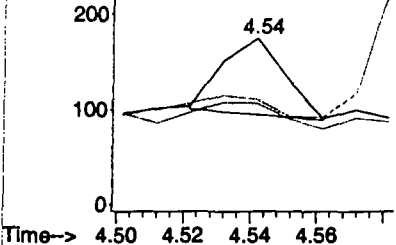
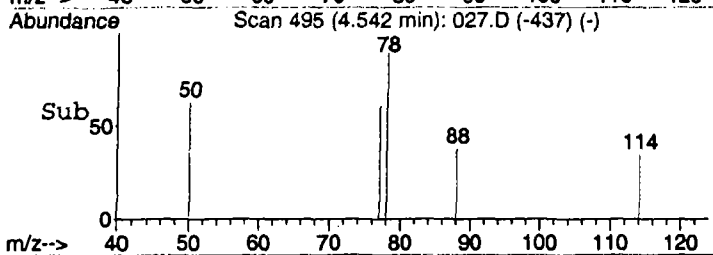


#10
Benzene
Concen: 0.77 ppbv m
RT: 4.54 min Scan# 495
Delta R.T. -0.00 min
Lab File: 027.D
Acq: 12 Dec 2007 17:06

Tgt Ion: 78 Resp: 100
Ion Ratio Lower Upper
78 100
77 0.0 20.5 30.7#
50 211.0 15.9 23.9#

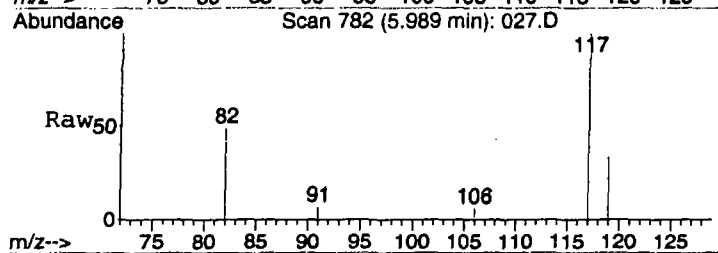


Abundance Ion 78.00 (77.70 to 78.70): 02
Ion 77.00 (76.70 to 77.70): 02
Ion 50.00 (49.70 to 50.70): 02

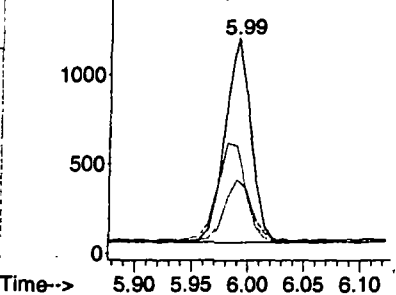
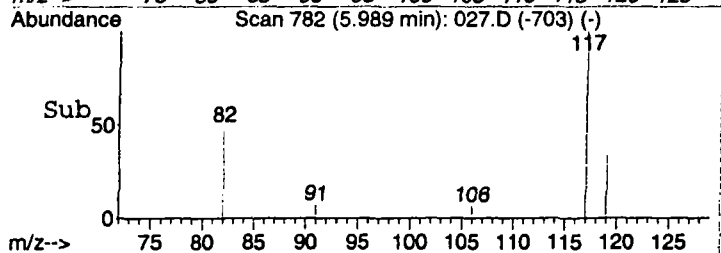


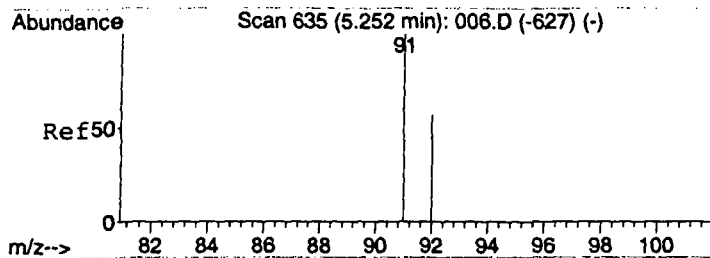
#12
Chlorobenzene-d5
Concen: 10.00 ppbv
RT: 5.99 min Scan# 782
Delta R.T. -0.01 min
Lab File: 027.D
Acq: 12 Dec 2007 17:06

Tgt Ion: 117 Resp: 1838
Ion Ratio Lower Upper
117 100
82 52.2 41.0 61.6
119 32.4 25.5 38.3

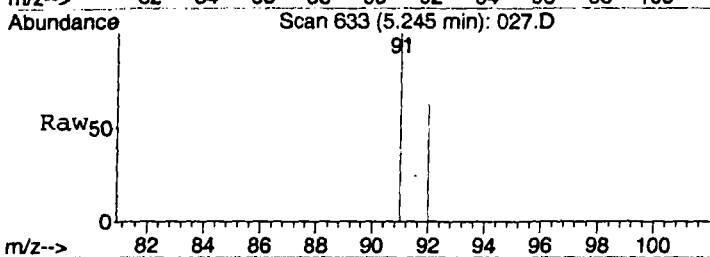


Abundance Ion 117.00 (116.70 to 117.70): 02
Ion 82.00 (81.70 to 82.70): 02
Ion 119.00 (118.70 to 119.70): 02

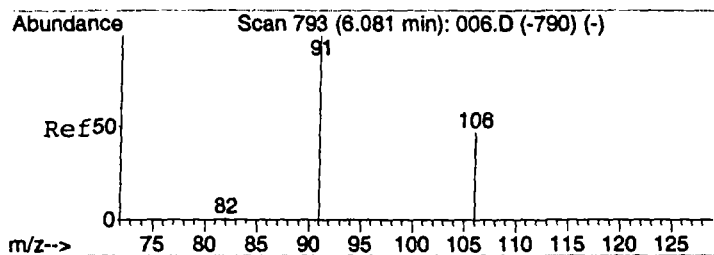
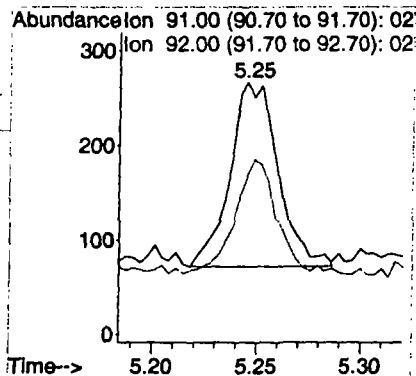
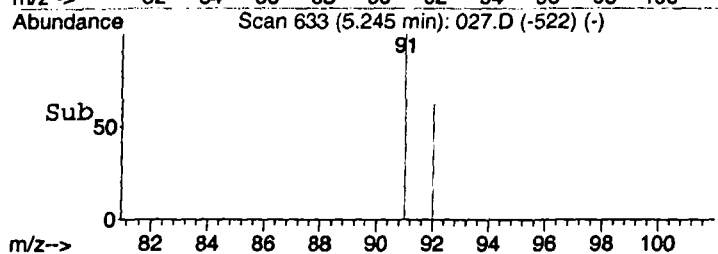




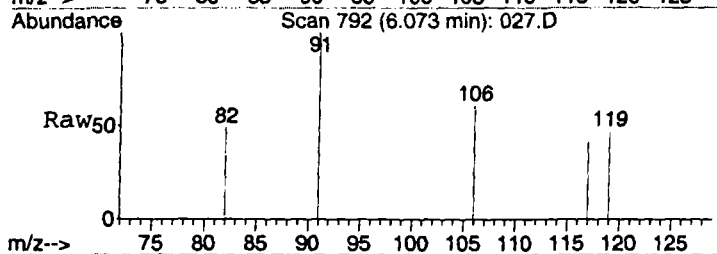
#13
Toluene
Concen: 1.88 ppbv
RT: 5.25 min Scan# 633
Delta R.T. -0.01 min
Lab File: 027.D
Acq: 12 Dec 2007 17:06



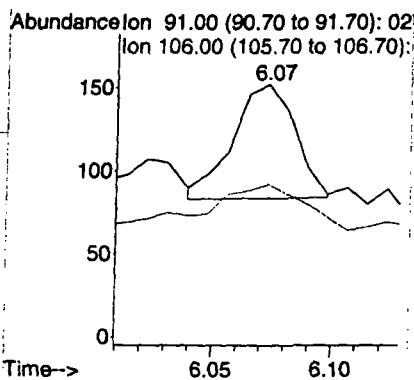
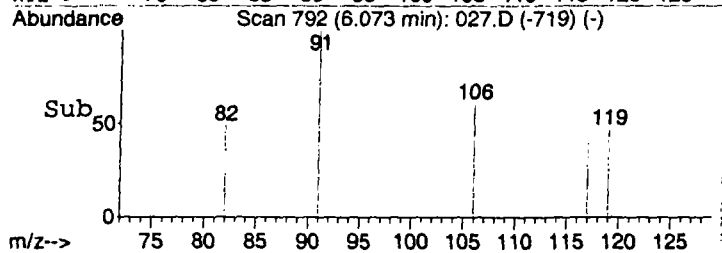
Tgt Ion: 91 Resp: 314
Ion Ratio Lower Upper
91 100
92 49.7 46.9 70.3



#16
m&p-Xylenes
Concen: 0.93 ppbv m
RT: 6.07 min Scan# 792
Delta R.T. -0.01 min
Lab File: 027.D
Acq: 12 Dec 2007 17:06



Tgt Ion: 91 Resp: 125
Ion Ratio Lower Upper
91 100
106 0.0 36.4 54.6#



Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\2007\20071212\028.D Vial: 1
 Acq On : 12 Dec 2007 17:16 Operator: CWS
 Sample : 4472/ MGSG17 Inst : Instrumen
 Misc : 5 ML / 12 DEC 2007 Multiplr: 1.00
 MS Integration Params: rteint.p
 Quant Time: Jan 08 16:14:43 2008 Quant Results File: LOOP20071212.RES

Quant Method : C:\MSDCHEM\1...\LOOP20071212.M (RTE Integrator)
 Title : VOC
 Last Update : Tue Jan 08 15:15:22 2008
 Response via : Initial Calibration
 DataAcq Meth : LOOPSIMI

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	4.26	49	754	10.00	ppbv	0.00
9) 1,4-Difluorobenzene	4.60	114	1847m	10.00	ppbv	0.00
12) Chlorobenzene-d5	6.01	117	1711	10.00	ppbv	0.00
Target Compounds						Qvalue
10) Benzene	4.54	78	100m	0.82	ppbv	
13) Toluene	5.26	91	157	1.01	ppbv	97

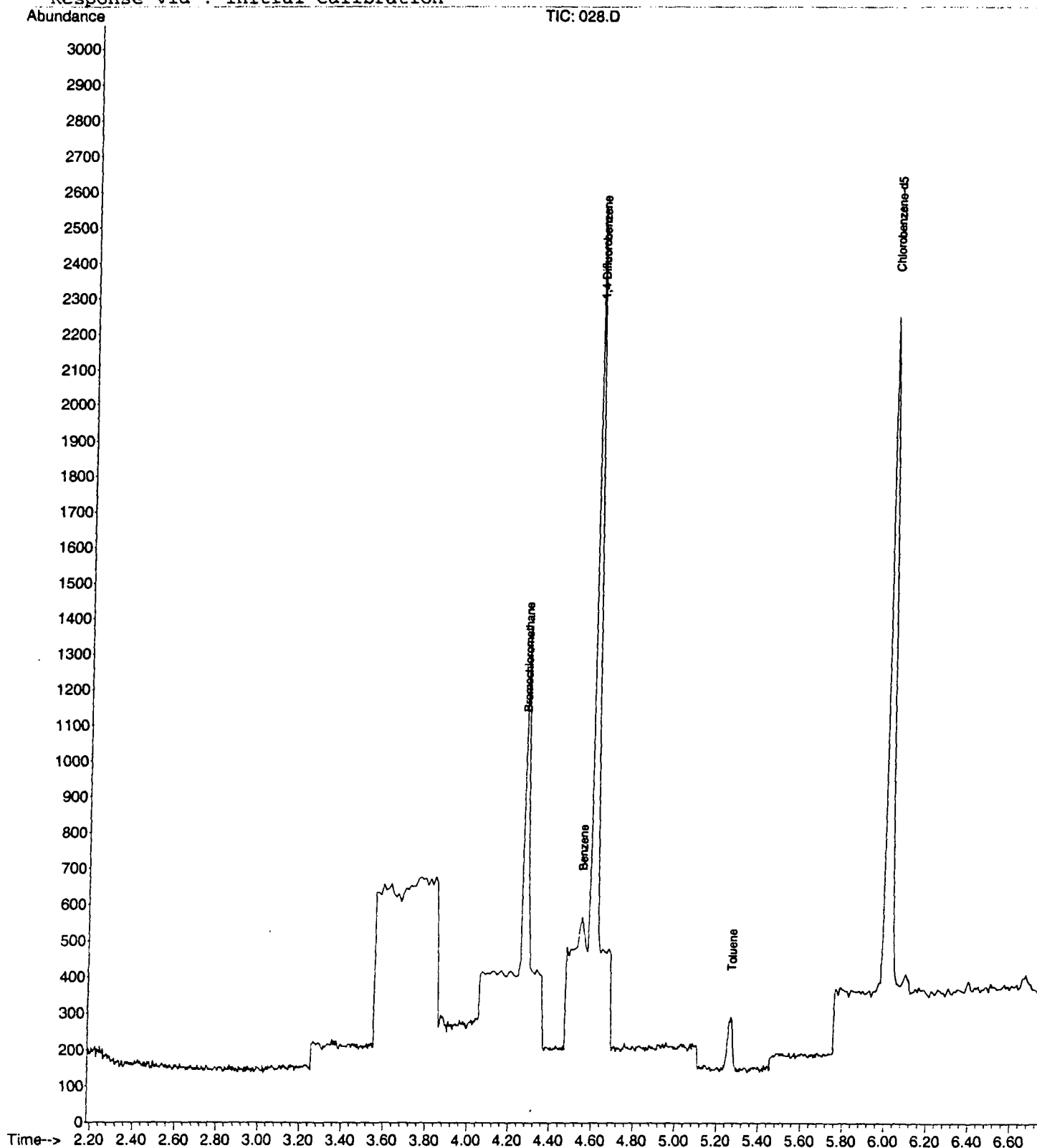
Quantitation Report (QT Reviewed)

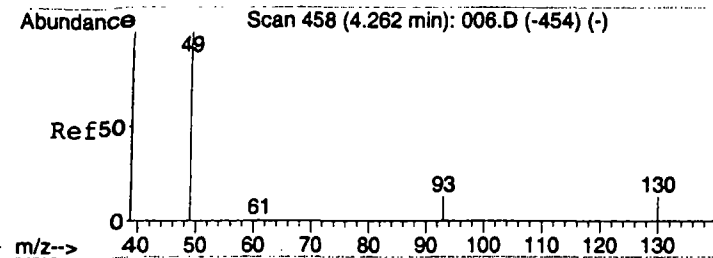
Data File : C:\MSDCHEM\1\DATA\2007\20071212\028.D
 Acq On : 12 Dec 2007 17:16
 Sample : 4472/ MSGS17
 Misc : 5 ML / 12 DEC 2007
 MS Integration Params: rteint.p
 Quant Time: Jan 8 16:16 2008

Vial: 1
 Operator: CWS
 Inst : Instrumen
 Multiplr: 1.00

Quant Results File: LOOP20071212.RES

Method : C:\MSDCHEM\1\METHODS\LOOP20071212.M (RTE Integrator)
 Title : VOC
 Last Update : Tue Jan 08 15:15:22 2008
 Response via : Initial Calibration





#1

Bromochloromethane

Concen: 10.00 ppbv

RT: 4.26 min Scan# 458

Delta R.T. -0.00 min

Lab File: 028.D

Acq: 12 Dec 2007 17:16

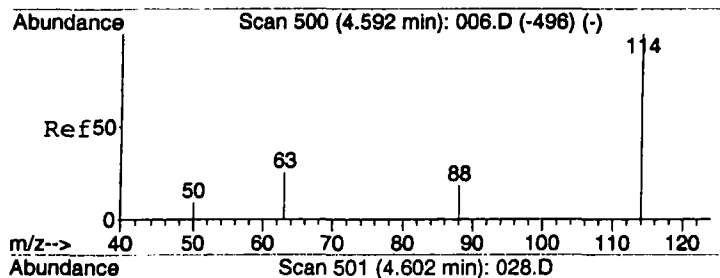
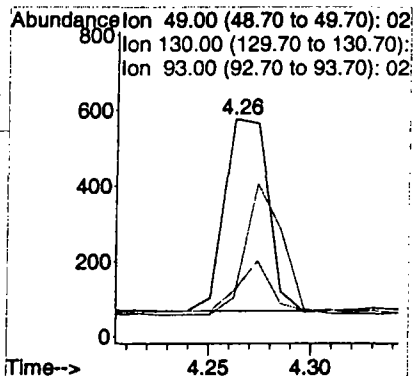
Tgt Ion: 49 Resp: 754

Ion Ratio Lower Upper

49 100

130 59.8 105.7 158.5#

93 84.5 24.4 36.6#



#9

1,4-Difluorobenzene

Concen: 10.00 ppbv m

RT: 4.60 min Scan# 501

Delta R.T. 0.01 min

Lab File: 028.D

Acq: 12 Dec 2007 17:16

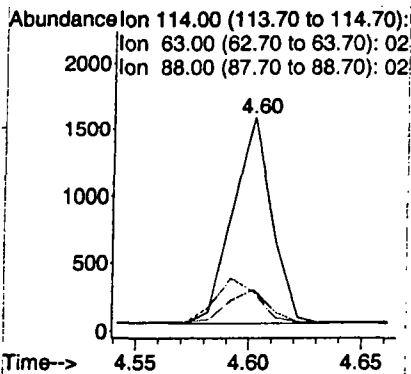
Tgt Ion: 114 Resp: 1847

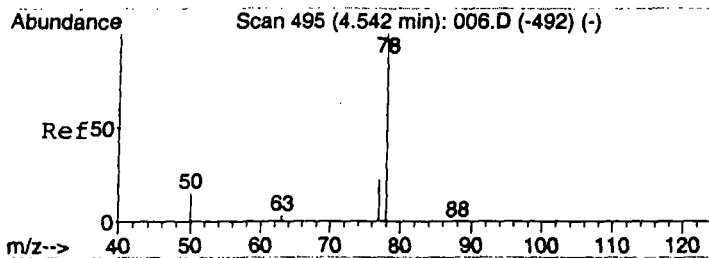
Ion Ratio Lower Upper

114 100

63 26.6 15.4 23.2#

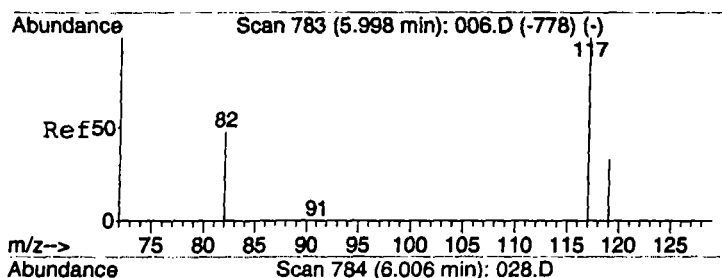
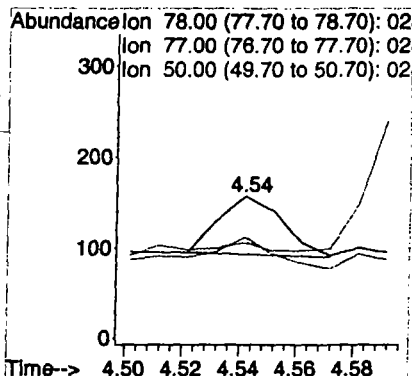
88 21.4 11.8 17.6#





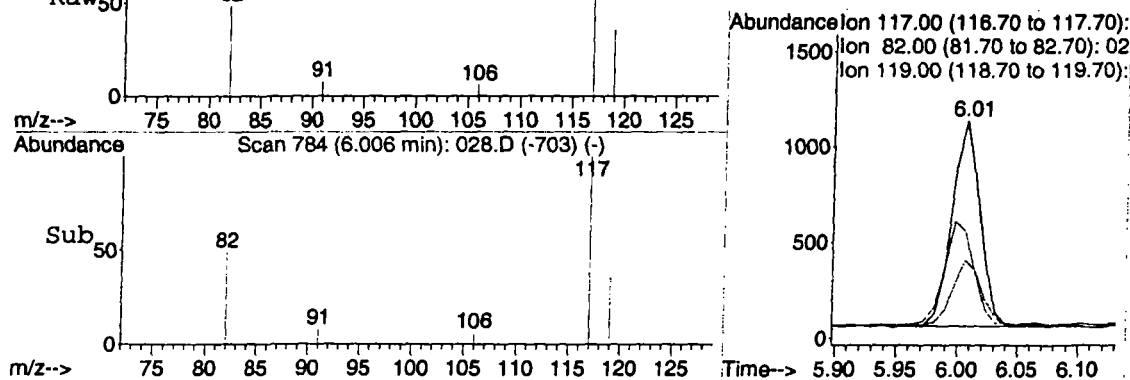
#10
Benzene
Concen: 0.82 ppbv m
RT: 4.54 min Scan# 495
Delta R.T. -0.00 min
Lab File: 028.D
Acq: 12 Dec 2007 17:16

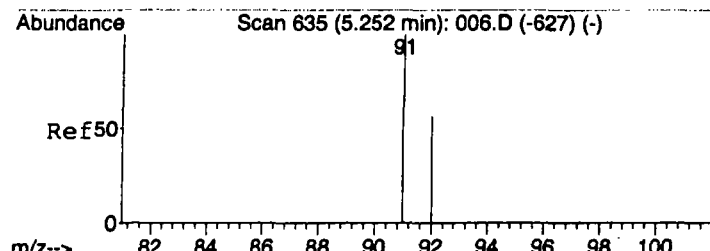
Tgt Ion: 78 Resp: 100
Ion Ratio Lower Upper
78 100
77 0.0 20.5 30.7#
50 471.0 15.9 23.9#



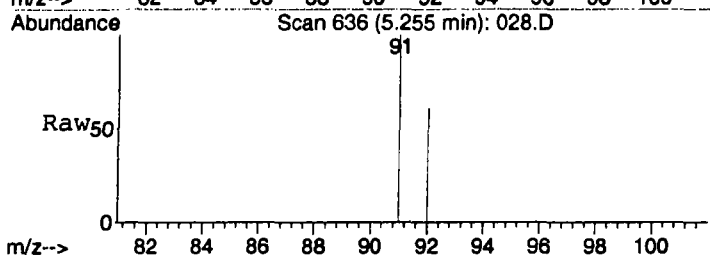
#12
Chlorobenzene-d5
Concen: 10.00 ppbv
RT: 6.01 min Scan# 784
Delta R.T. 0.01 min
Lab File: 028.D
Acq: 12 Dec 2007 17:16

Tgt Ion: 117 Resp: 1711
Ion Ratio Lower Upper
117 100
82 52.8 41.0 61.6
119 32.3 25.5 38.3

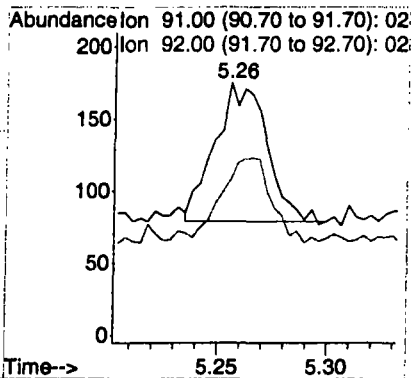
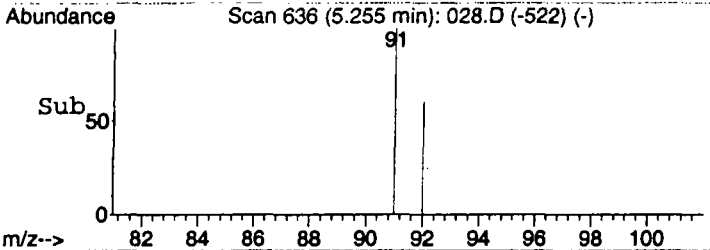




#13
Toluene
Concen: 1.01 ppbv
RT: 5.26 min Scan# 636
Delta R.T. 0.00 min
Lab File: 028.D
Acq: 12 Dec 2007 17:16



Tgt Ion: 91 Resp: 157
Ion Ratio Lower Upper
91 100
92 56.1 46.9 70.3



Quantitation Report (Not Reviewed)

Data File : C:\MSDCHEM\1\DATA\2007\20071212\029.D

Vial: 1

Acq On : 12 Dec 2007 17:27

Operator: CWS

Sample : 4473/ MGSG18

Inst : Instrumen

Misc : 5 ML / 12 DEC 2007

Multiplr: 1.00

MS Integration Params: rteint.p

Quant Time: Jan 08 16:18:59 2008

Quant Results File: LOOP20071212.RES

Quant Method : C:\MSDCHEM\1...\LOOP20071212.M (RTE Integrator)

Title : VOC

Last Update : Tue Jan 08 15:15:22 2008

Response via : Initial Calibration

DataAcq Meth : LOOPSIMI

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	4.26	49	1328	10.00	ppbv	0.00
9) 1,4-Difluorobenzene	4.60	114	2331	10.00	ppbv	0.00
12) Chlorobenzene-d5	6.01	117	1790	10.00	ppbv	0.00

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) 1,1-Dichloroethene	3.27	61	116	1.07	ppbv #	1
4) Methyl tert-Butyl Ether (M	3.60	73	365	2.64	ppbv #	1
5) trans-1,2-Dichloroethene	4.07	61	237	2.33	ppbv #	1
6) 1,1-Dichloroethane	3.86	63	109	0.92	ppbv #	1
7) cis-1,2-Dichloroethene	4.07	61	237	2.42	ppbv #	1
8) 1,1,1-Trichloroethane	4.37	97	105	0.81	ppbv #	21
10) Benzene	4.54	78	260	1.69	ppbv #	11
11) Trichloroethene	4.70	130	145	1.59	ppbv	88
13) Toluene	5.26	91	226	1.39	ppbv	95
14) Tetrachloroethene	5.46	166	80	0.98	ppbv #	81
16) m&p-Xylenes	5.78	91	225	1.72	ppbv	93

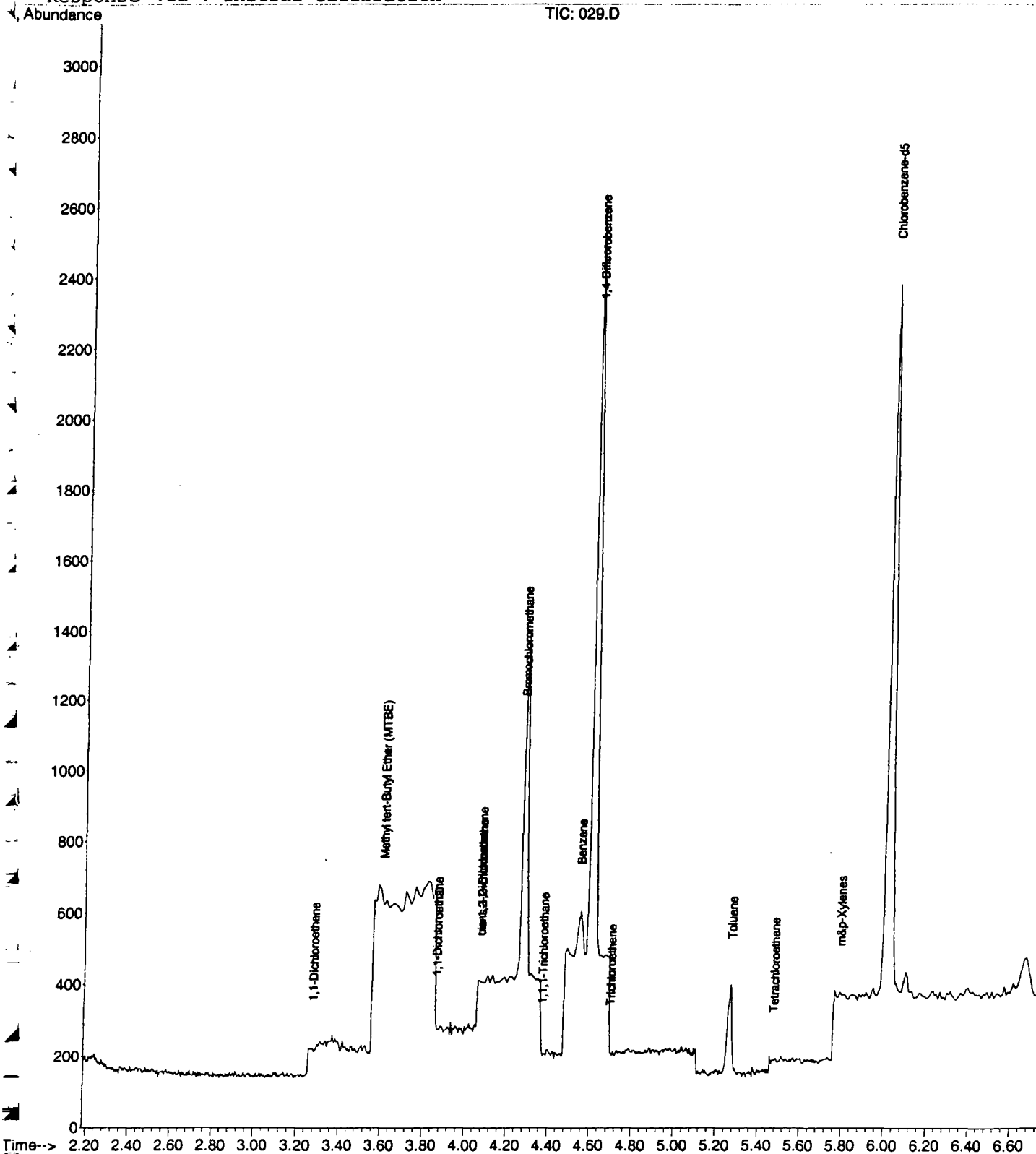
Quantitation Report (Not Reviewed)

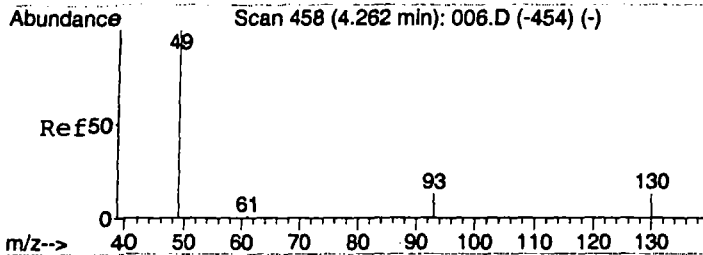
Data File : C:\MSDCHEM\1\DATA\2007\20071212\029.D
 Acq On : 12 Dec 2007 17:27
 Sample : 4473/ MSGS18
 Misc : 5 ML / 12 DEC 2007
 MS Integration Params: rteint.p
 Quant Time: Jan 8 16:18 2008

Vial: 1
 Operator: CWS
 Inst : Instrumen
 Multiplr: 1.00

Quant Results File: LOOP20071212.RES

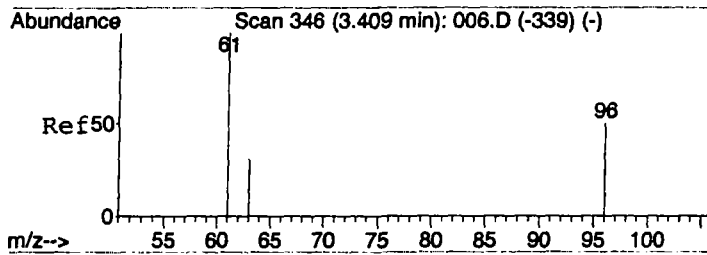
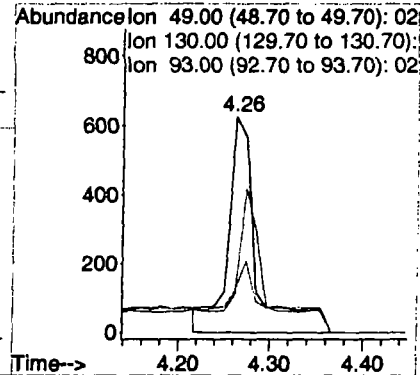
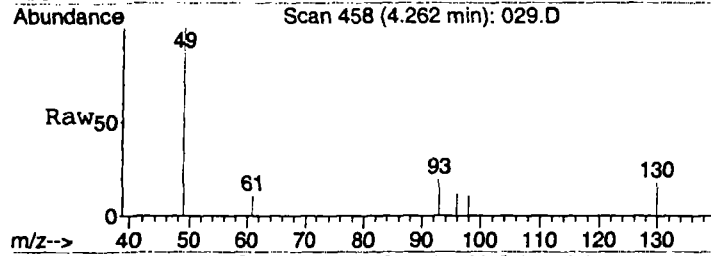
Method : C:\MSDCHEM\1\METHODS\LOOP20071212.M (RTE Integrator)
 Title : VOC
 Last Update : Tue Jan 08 15:15:22 2008
 Response via : Initial Calibration





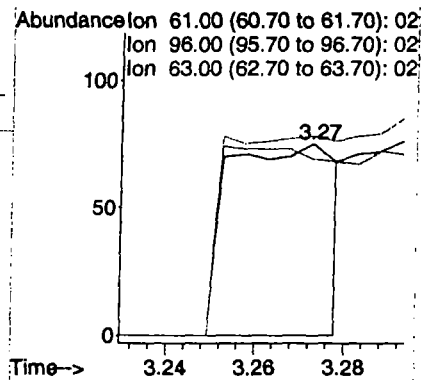
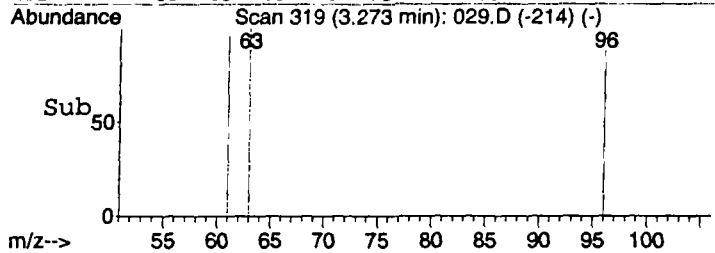
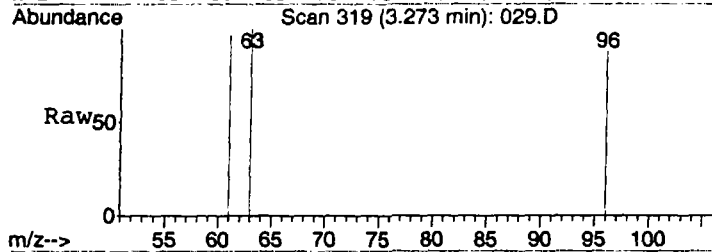
#1
Bromochloromethane
Concen: 10.00 ppbv
RT: 4.26 min Scan# 458
Delta R.T. -0.00 min
Lab File: 029.D
Acq: 12 Dec 2007 17:27

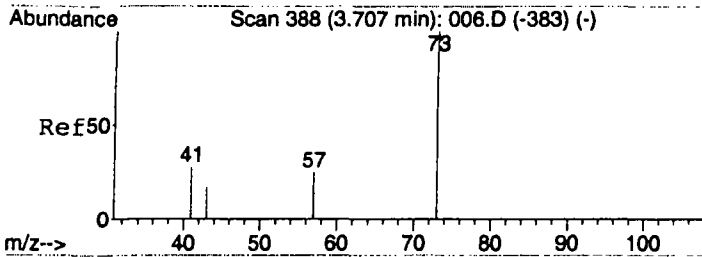
Tgt Ion: 49 Resp: 1328
Ion Ratio Lower Upper
49 100
130 63.0 105.7 158.5#
93 49.2 24.4 36.6#



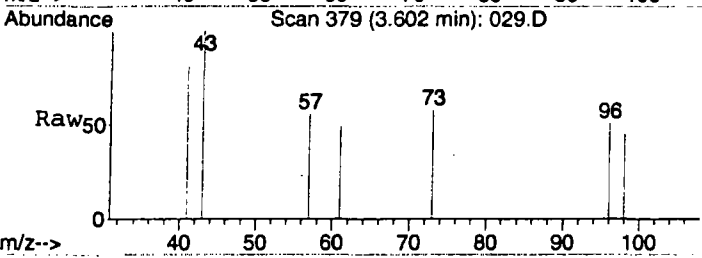
#3
1,1-Dichloroethene
Concen: 1.07 ppbv
RT: 3.27 min Scan# 319
Delta R.T. -0.14 min
Lab File: 029.D
Acq: 12 Dec 2007 17:27

Tgt Ion: 61 Resp: 116
Ion Ratio Lower Upper
61 100
96 119.0 48.4 72.6#
63 108.6 24.4 36.6#

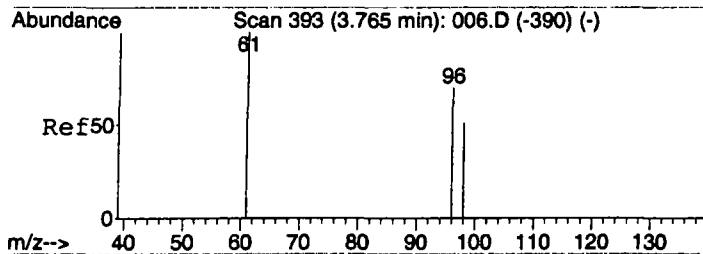
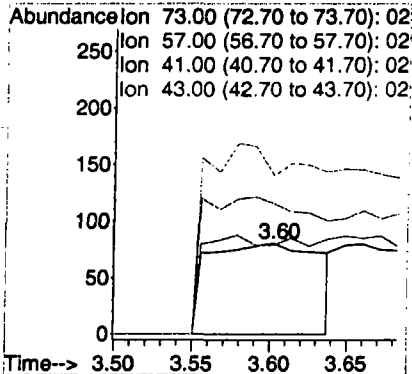
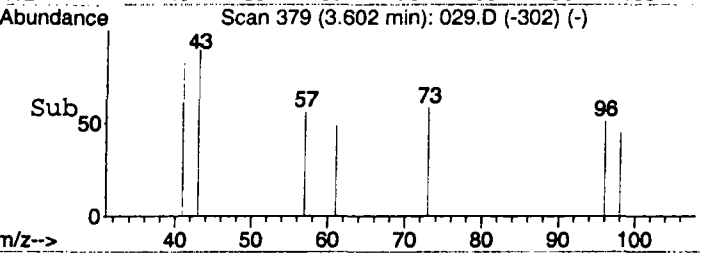




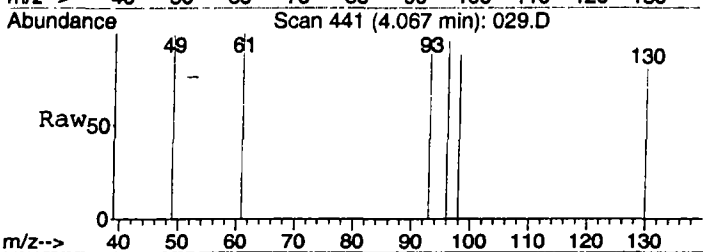
#4
Methyl tert-Butyl Ether (MTBE)
Concen: 2.64 ppbv
RT: 3.60 min Scan# 379
Delta R.T. -0.10 min
Lab File: 029.D
Acq: 12 Dec 2007 17:27



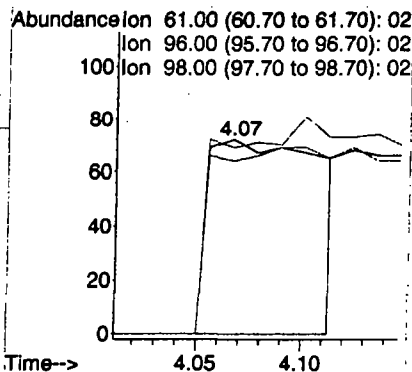
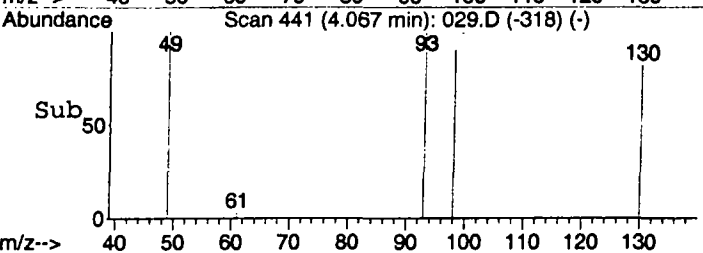
Tgt Ion: 73 Resp: 365
Ion Ratio Lower Upper
73 100
57 63.6 19.1 28.7#
41 150.7 16.5 24.7#
43 312.3 17.5 26.3#

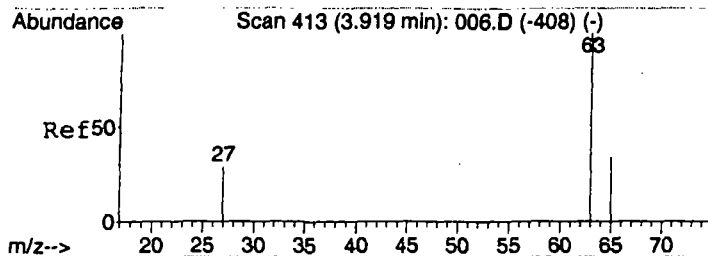


#5
trans-1,2-Dichloroethene
Concen: 2.33 ppbv
RT: 4.07 min Scan# 441
Delta R.T. 0.30 min
Lab File: 029.D
Acq: 12 Dec 2007 17:27

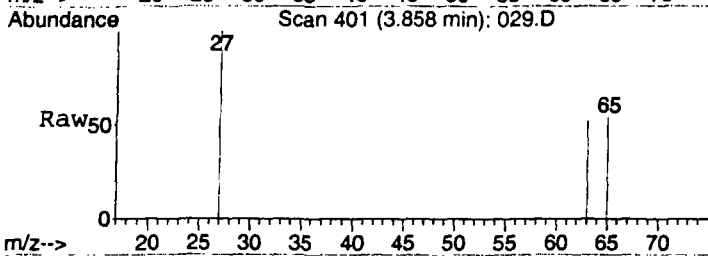


Tgt Ion: 61 Resp: 237
Ion Ratio Lower Upper
61 100
96 188.6 56.8 85.2#
98 192.0 42.1 63.1#

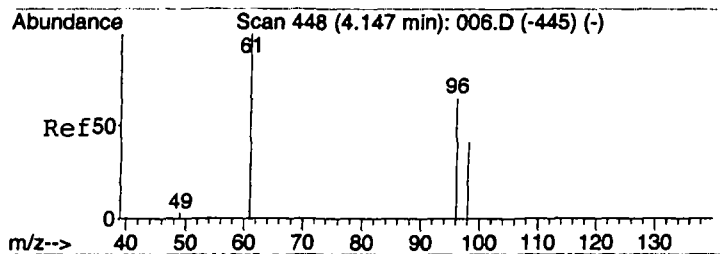
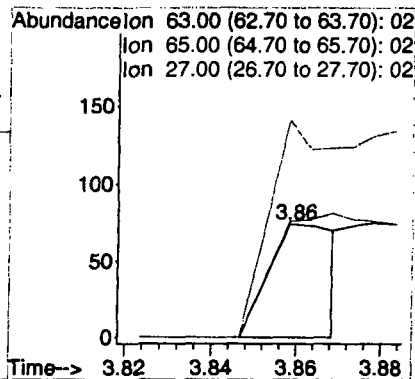
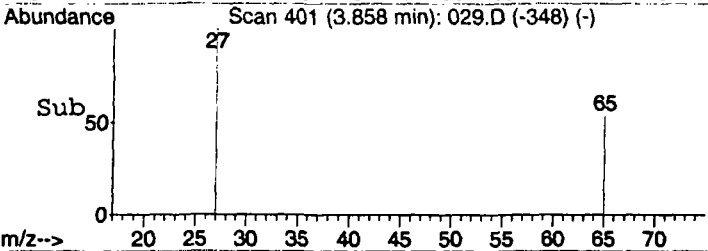




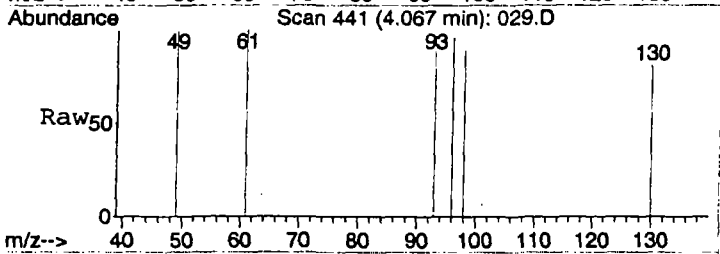
#6
1,1-Dichloroethane
Concen: 0.92 ppbv
RT: 3.86 min Scan# 401
Delta R.T. -0.06 min
Lab File: 029.D
Acq: 12 Dec 2007 17:27



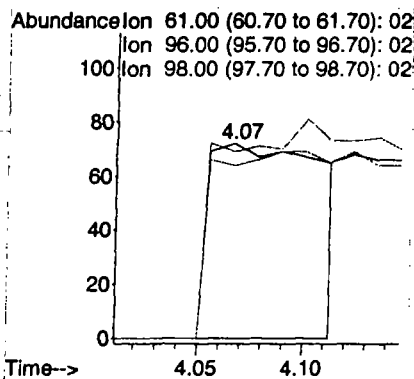
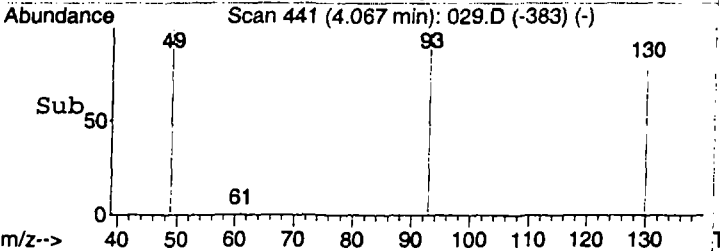
Tgt Ion: 63 Resp: 109
Ion Ratio Lower Upper
63 100
65 195.4 26.5 39.7#
27 177.1 18.0 27.0#

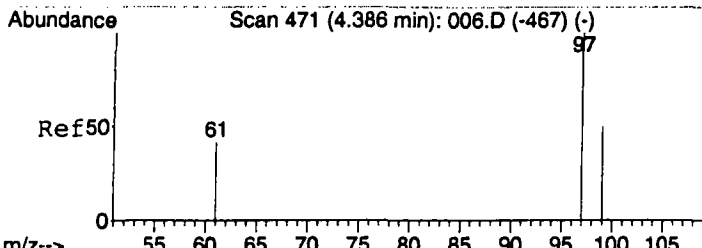


#7
cis-1,2-Dichloroethene
Concen: 2.42 ppbv
RT: 4.07 min Scan# 441
Delta R.T. -0.08 min
Lab File: 029.D
Acq: 12 Dec 2007 17:27

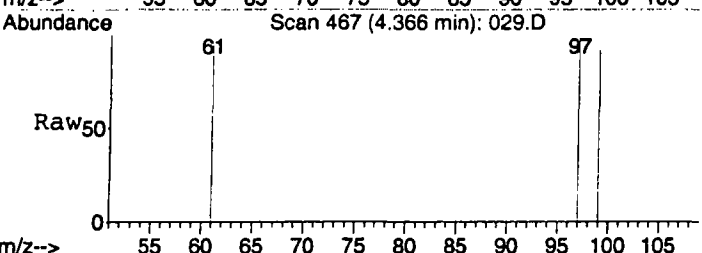


Tgt Ion: 61 Resp: 237
Ion Ratio Lower Upper
61 100
96 188.6 64.8 97.2#
98 192.0 49.8 74.8#



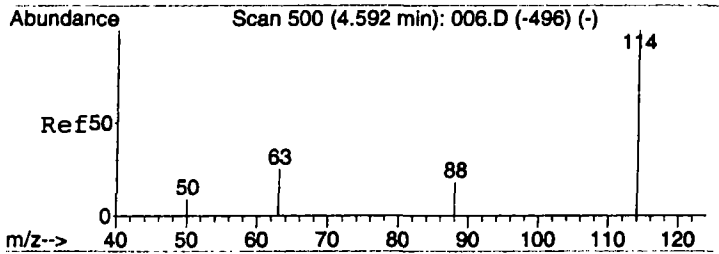
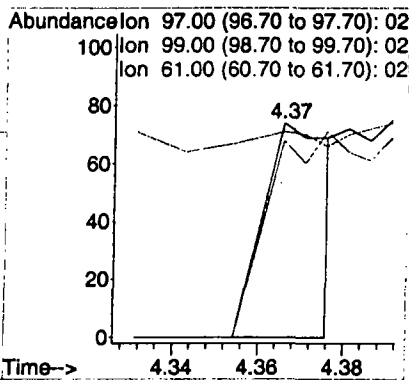
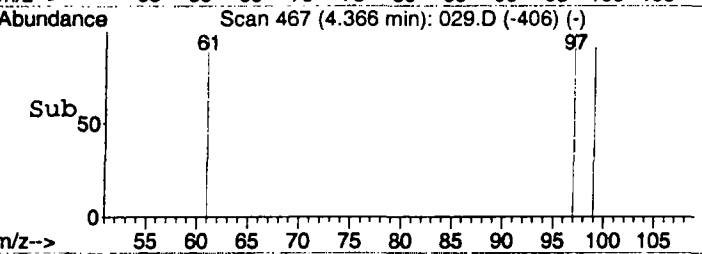


#8
 1,1,1-Trichloroethane
 Concen: 0.81 ppbv
 RT: 4.37 min Scan# 467
 Delta R.T. -0.02 min
 Lab File: 029.D
 Acq: 12 Dec 2007 17:27

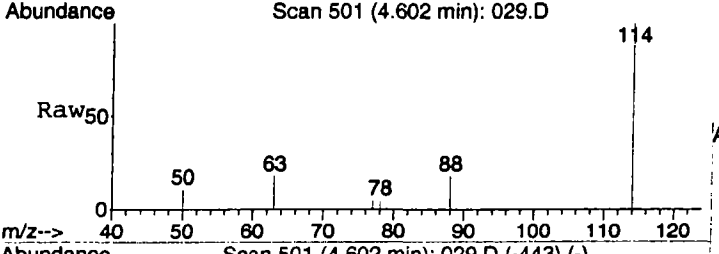


Tgt Ion: 97 Resp: 105

Ion	Ratio	Lower	Upper
97	100		
99	133.3	52.2	78.2#
61	0.0	34.6	51.8#

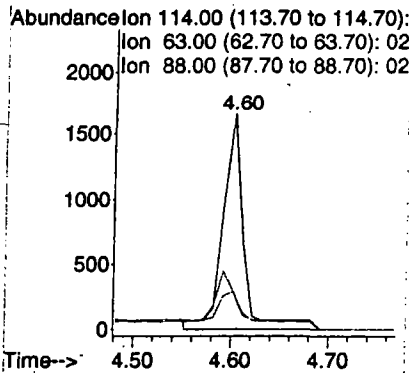
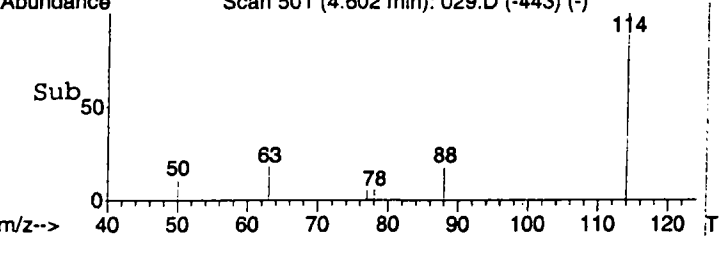


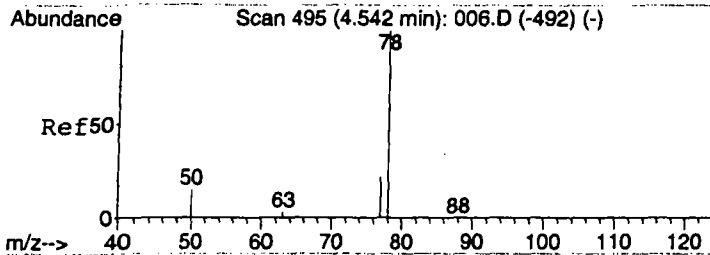
#9
 1,4-Difluorobenzene
 Concen: 10.00 ppbv
 RT: 4.60 min Scan# 501
 Delta R.T. 0.01 min
 Lab File: 029.D
 Acq: 12 Dec 2007 17:27



Tgt Ion: 114 Resp: 2331

Ion	Ratio	Lower	Upper
114	100		
63	20.0	15.4	23.2
88	16.1	11.8	17.6





#10

Benzene

Concen: 1.69 ppbv

RT: 4.54 min Scan# 495

Delta R.T. -0.00 min

Lab File: 029.D

Acq: 12 Dec 2007 17:27

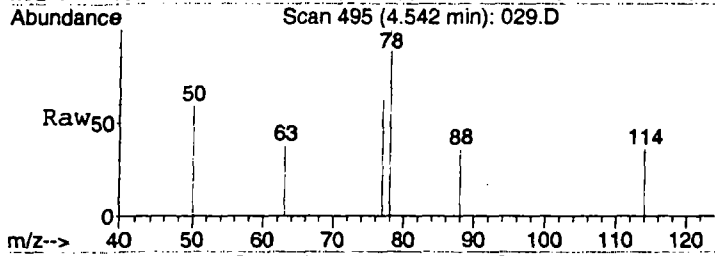
Tgt Ion: 78 Resp: 260

Ion Ratio Lower Upper

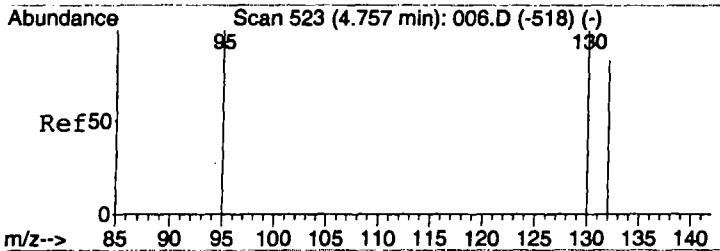
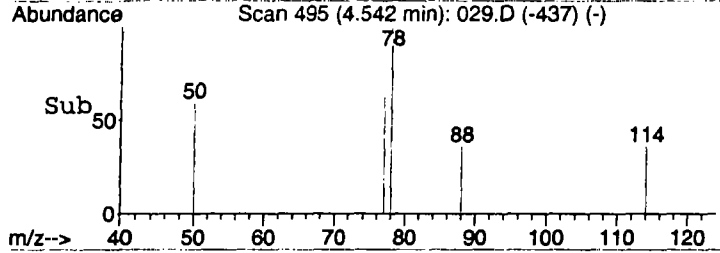
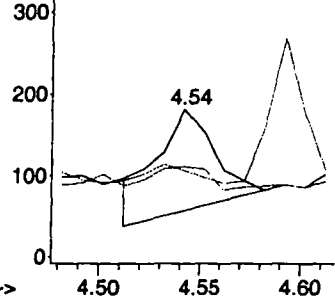
78 100

77 0.0 20.5 30.7#

50 83.5 15.9 23.9#



Abundance Ion 78.00 (77.70 to 78.70): 02
Ion 77.00 (76.70 to 77.70): 02
Ion 50.00 (49.70 to 50.70): 02



#11

Trichloroethene

Concen: 1.59 ppbv

RT: 4.70 min Scan# 511

Delta R.T. -0.06 min

Lab File: 029.D

Acq: 12 Dec 2007 17:27

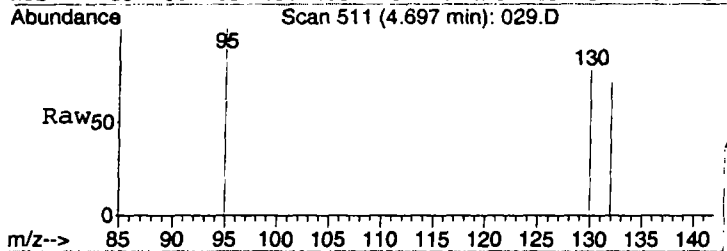
Tgt Ion: 130 Resp: 145

Ion Ratio Lower Upper

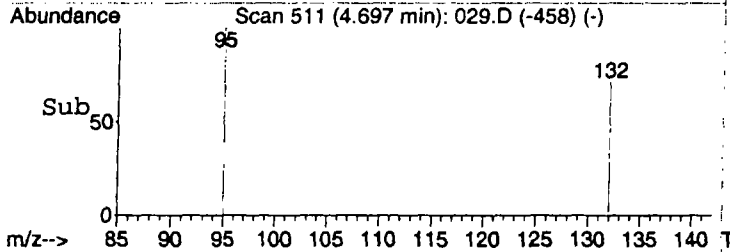
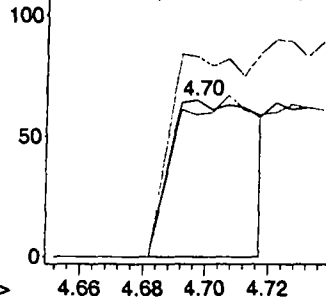
130 100

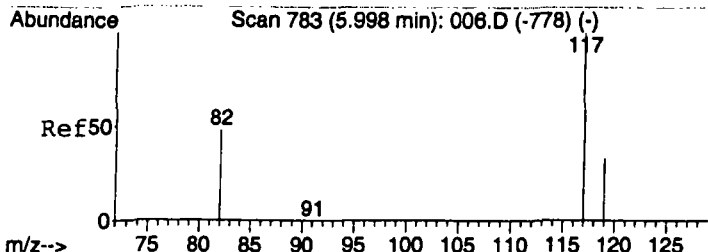
132 97.9 74.7 112.1

95 111.7 75.2 112.8



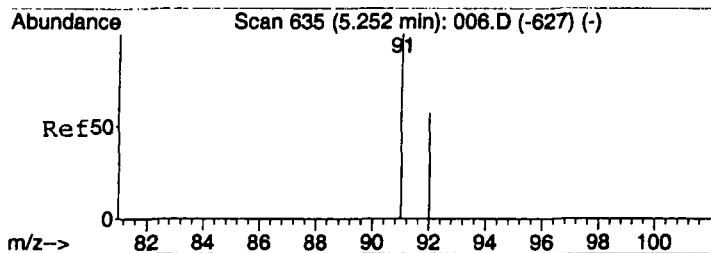
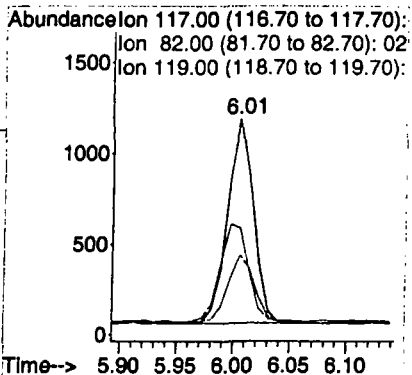
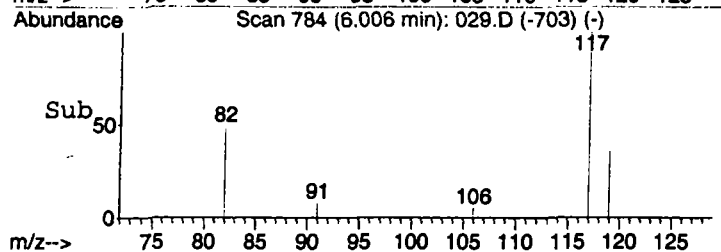
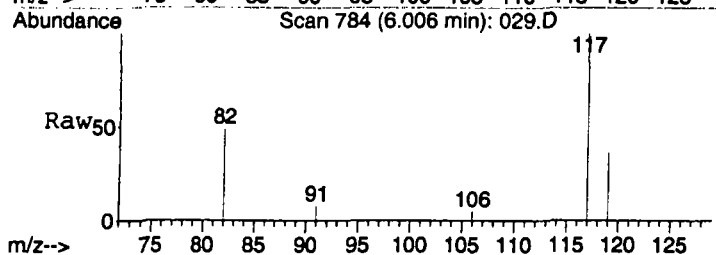
Abundance Ion 130.00 (129.70 to 130.70): 02
Ion 132.00 (131.70 to 132.70): 02
Ion 95.00 (94.70 to 95.70): 02





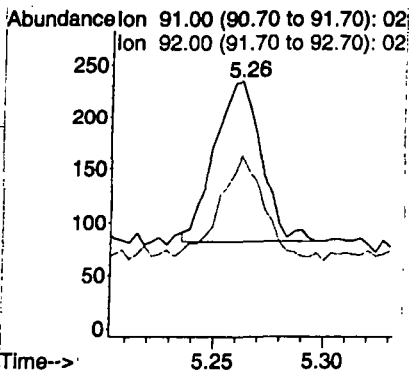
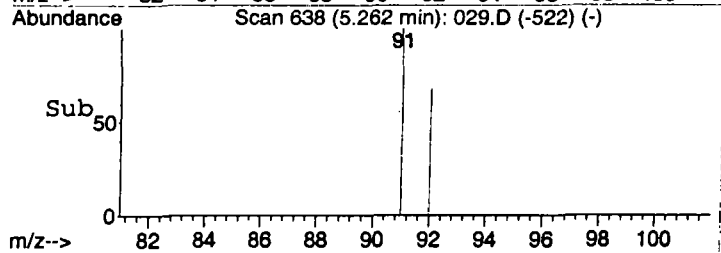
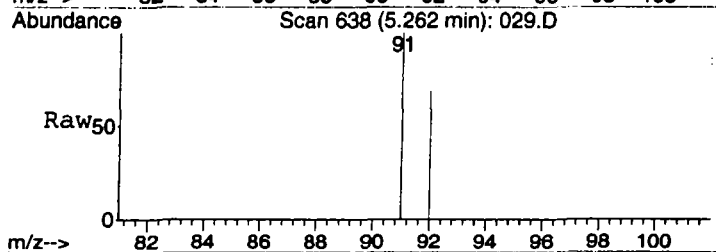
#12
Chlorobenzene-d5
Concen: 10.00 ppbv
RT: 6.01 min Scan# 784
Delta R.T. 0.01 min
Lab File: 029.D
Acq: 12 Dec 2007 17:27

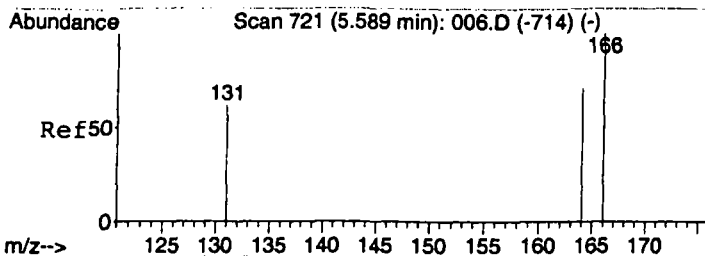
Tgt Ion: 117 Resp: 1790
Ion Ratio Lower Upper
117 100
82 53.9 41.0 61.6
119 36.3 25.5 38.3



#13
Toluene
Concen: 1.39 ppbv
RT: 5.26 min Scan# 638
Delta R.T. 0.01 min
Lab File: 029.D
Acq: 12 Dec 2007 17:27

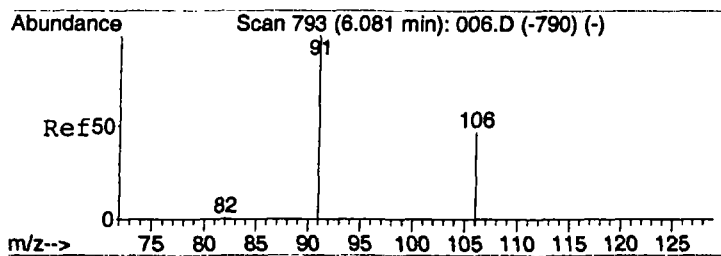
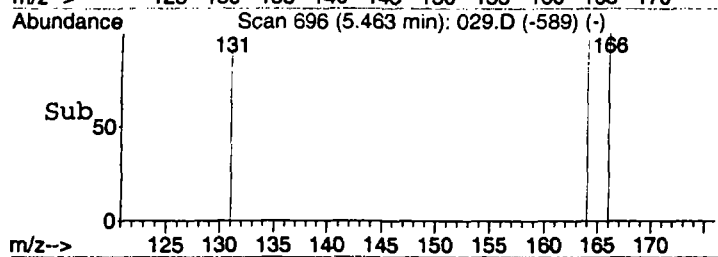
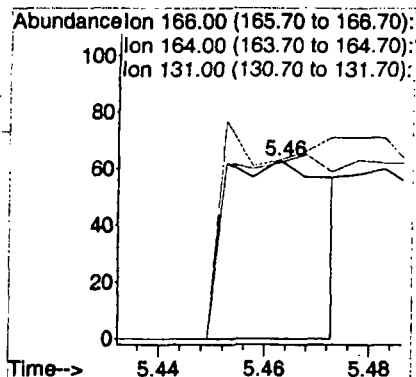
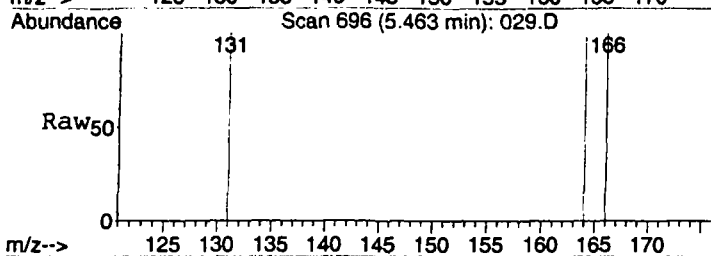
Tgt Ion: 91 Resp: 226
Ion Ratio Lower Upper
91 100
92 54.9 46.9 70.3





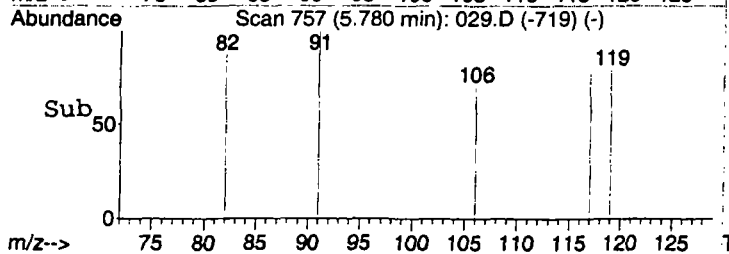
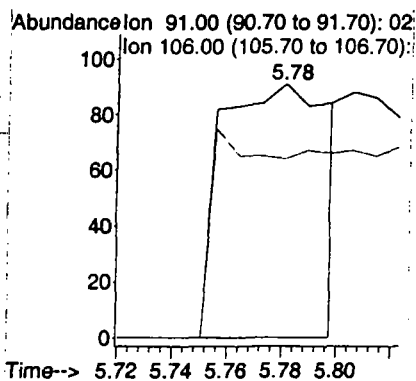
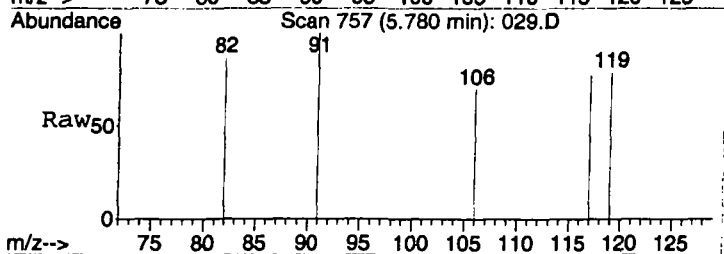
#14
Tetrachloroethene
Concen: 0.98 ppbv
RT: 5.46 min Scan# 696
Delta R.T. -0.13 min
Lab File: 029.D
Acq: 12 Dec 2007 17:27

Tgt Ion	Ratio	Lower	Upper
166	100		
164	103.8	62.8	94.2
131	63.7	56.9	85.3



#16
m,p-Xylenes
Concen: 1.72 ppbv
RT: 5.78 min Scan# 757
Delta R.T. -0.30 min
Lab File: 029.D
Acq: 12 Dec 2007 17:27

Tgt Ion	Ratio	Lower	Upper
91	100		
106	50.2	36.4	54.6



Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\2007\20071212\030.D Vial: 1
 Acq On : 12 Dec 2007 17:41 Operator: CWS
 Sample : 4466/ MGSS238 Inst : Instrumen
 Misc : 5 ML / 12 DEC 2007 Multiplr: 1.00
 MS Integration Params: rteint.p
 Quant Time: Jan 08 16:19:16 2008 Quant Results File: LOOP20071212.RES

Quant Method : C:\MSDCHEM\1...\LOOP20071212.M (RTE Integrator)
 Title : VOC
 Last Update : Tue Jan 08 15:15:22 2008
 Response via : Initial Calibration
 DataAcq Meth : LOOPSIMI

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	4.26	49	796	10.00	ppbv	0.00
9) 1,4-Difluorobenzene	4.59	114	1842m	10.00	ppbv	0.00
12) Chlorobenzene-d5	5.99	117	1603	10.00	ppbv	0.00

Target Compounds Qvalue

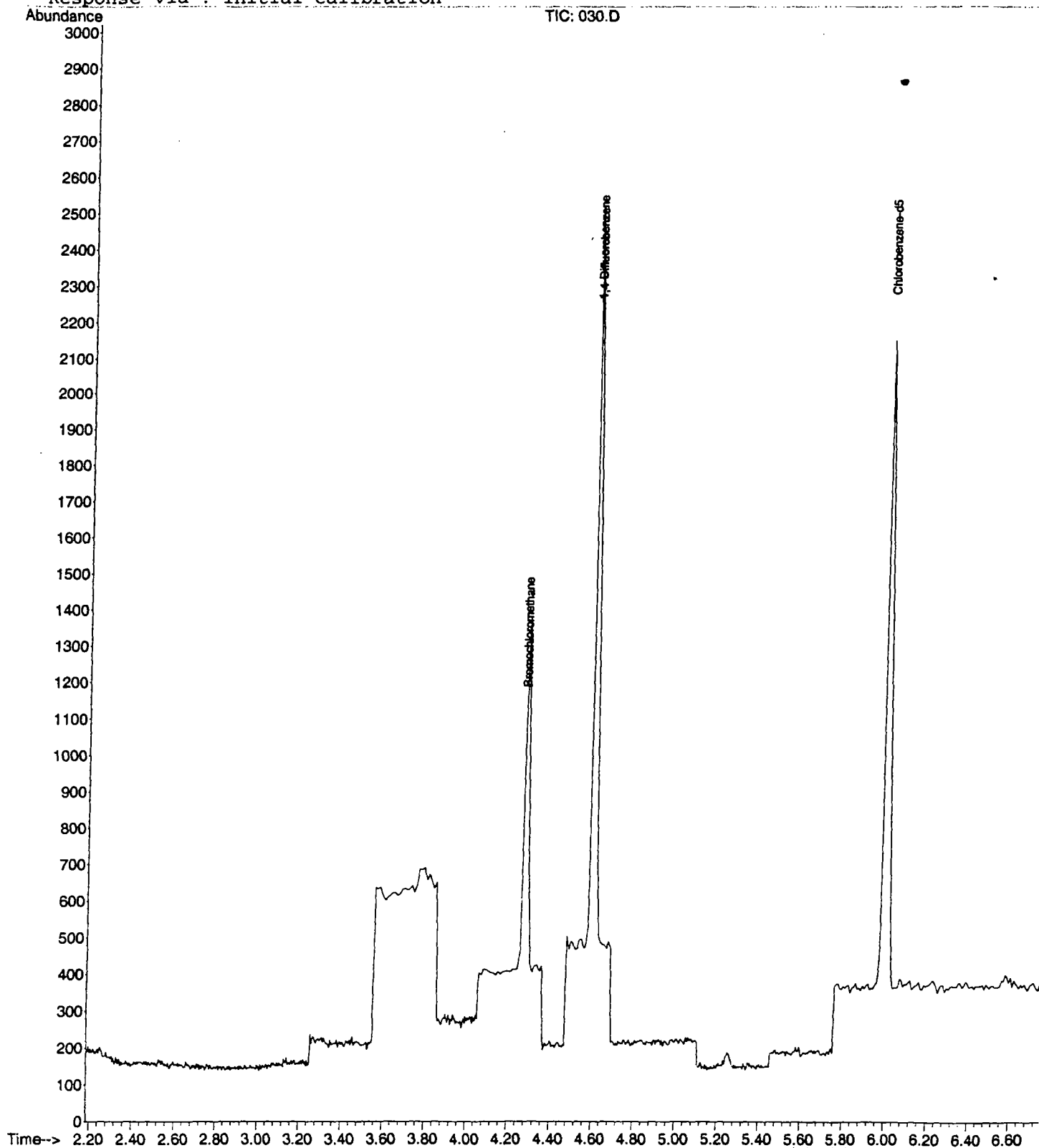
Quantitation Report (QT Reviewed)

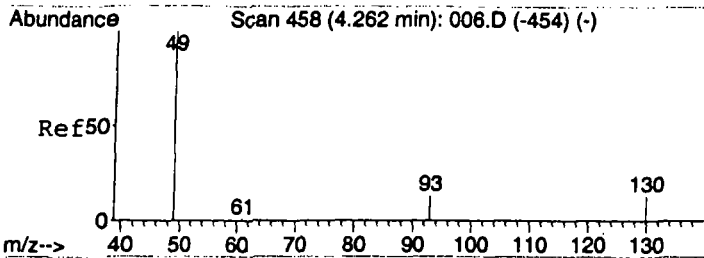
Data File : C:\MSDCHEM\1\DATA\2007\20071212\030.D
 Acq On : 12 Dec 2007 17:41
 Sample : 4466/ MGSS238
 Misc : 5 ML / 12 DEC 2007
 MS Integration Params: rteint.p
 Quant Time: Jan 8 16:20 2008

Vial: 1
 Operator: CWS
 Inst : Instrumen
 Multiplr: 1.00

Quant Results File: LOOP20071212.RES

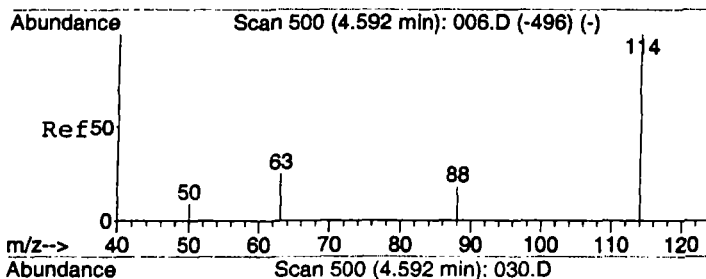
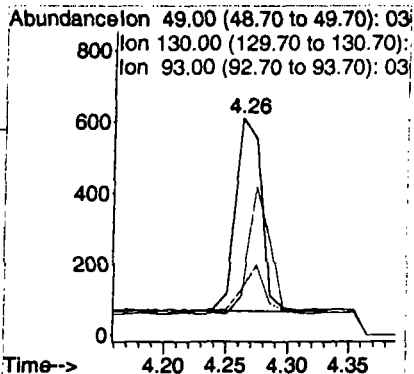
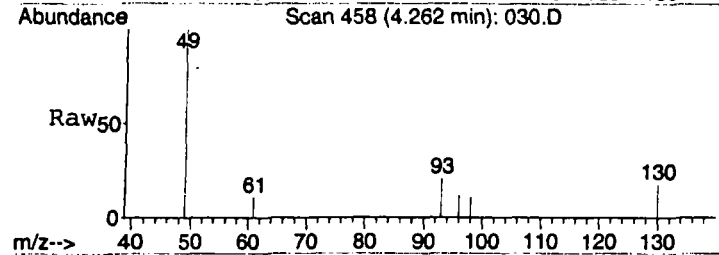
Method : C:\MSDCHEM\1\METHODS\LOOP20071212.M (RTE Integrator)
 Title : VOC
 Last Update : Tue Jan 08 15:15:22 2008
 Response via : Initial Calibration





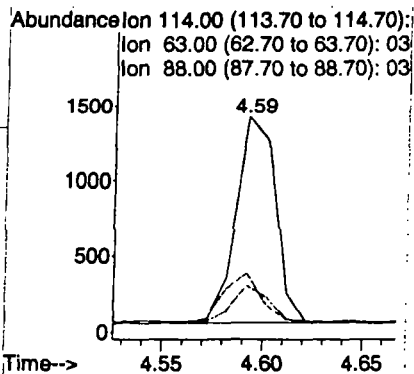
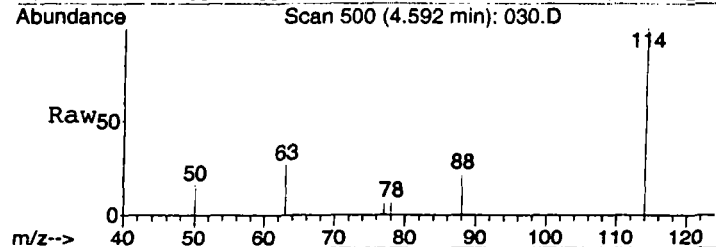
#1
Bromochloromethane
Concen: 10.00 ppbv
RT: 4.26 min Scan# 458
Delta R.T. 0.00 min
Lab File: 030.D
Acq: 12 Dec 2007 17:41

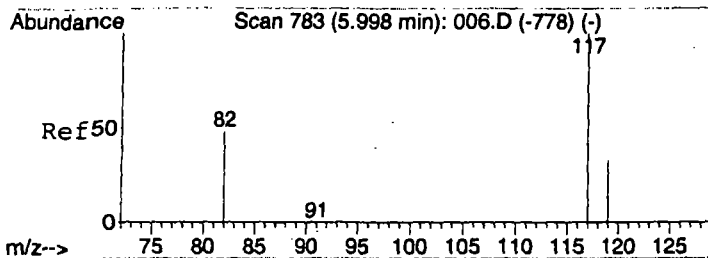
Tgt Ion: 49 Resp: 796
Ion Ratio Lower Upper
49 100
130 55.2 105.7 158.5#
93 18.8 24.4 36.6#



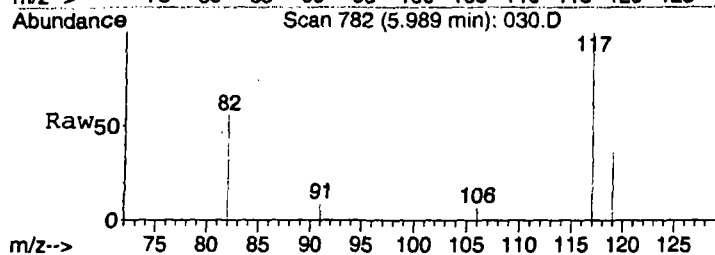
#9
1,4-Difluorobenzene
Concen: 10.00 ppbv m
RT: 4.59 min Scan# 500
Delta R.T. 0.00 min
Lab File: 030.D
Acq: 12 Dec 2007 17:41

Tgt Ion: 114 Resp: 1842
Ion Ratio Lower Upper
114 100
63 29.2 15.4 23.2#
88 20.7 11.8 17.6#





#12
 Chlorobenzene-d5
 Concen: 10.00 ppbv
 RT: 5.99 min Scan# 782
 Delta R.T. -0.01 min
 Lab File: 030.D
 Acq: 12 Dec 2007 17:41



Tgt Ion: 117 Resp: 1603

Ion	Ratio	Lower	Upper
117	100		
82	55.6	41.0	61.6
119	33.2	25.5	38.3

