TN & Associates, Inc

1220 Kenneston Circle, Suite D
Marietta, GA 30060

Charleston, SC
PO # 5743

Analytical Report
(0707-03R)

GC/FID Analysis

Methane

EPA Method TO-15

TO-14 Target Compound List, Top 10 Tentatively Identified VOCs

Enthalpy Analytical, Inc.

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2202 Ellis Road Durham, NC 27703 - 5518

I certify that to the best of my knowledge all analytical data presented in this report:

- Have been checked for completeness
- Are accurate, error-free, and legible
- Have been conducted in accordance with approved protocol, and that all deviations and analytical problems are summarized in the appropriate narrative(s)
- This analytical report was prepared in Portable Document Format (.PDF) and contains 217 pages.

QA Review Performed by: Michael Steven Schapira

Summary of Results

Company	TN Assoc, Inc.
Analyst	MTR
Parameters	GC/FID Analysis
# Samples	2 runs & 1 blank

Client #	Charleston, SC
Job #	0707-03
PO #	5743
Report Date	7/16/2007

Compound	Sample ID / Sample Concentration (ppm)		
	WSP-01	***WSP-02***	***WSP-BG***
Methane	1.01 ND	7.37	1.68 J

Results

Company	TN & Associates
Analyst	LAG
Parameters	EPA Method TO-15
# Samples	3

Client #	NA
Job #	0707-03
PO #	5743
Report Date	7/13/2007

Sample ID: **WSP-01, 500mL** DF: 1.00
Data File: L070298.D Tank DF: 2.024
Tank/Misc ID: 1433

Compound	Quant	Ret. Time (min)	Area	Conc. (ppbv)	Sample Conc. (ppbv)	Flags
propylene	41	4.29	4,920	0.470	0.951	J
Freon12(CCl2F2)	85	NA	0.00	0.200	0.405	ND
Chloromethane	50	NA	0.00	0.200	0.405	ND
Freon 114 (C2Cl2F4)	85	NA	0.00	0.200	0.405	ND
Chloroethene	62	NA	0.00	0.200	0.405	ND
1,3-Butadiene	39	NA	0.00	0.200	0.405	ND
Bromomethane	94	NA	0.00	0.200	0.405	ND
Chloroethane	64	NA	0.00	0.229	0.463	ND
Bromoethene	106	NA	0.00	0.200	0.405	ND
Acetone	43	8.24	3,472,369	29.1	59.0	E
Freon 11 (CCl3F)	101	NA	0.00	0.200	0.405	ND
Isopropyl alcohol	45	8.52	38,809	0.589	1.19	J
1,1-Dichloroethene	61	NA	0.00	0.200	0.405	ND
Methylene chloride	49	9.05	727,987	10.4	21.0	E
Allyl chloride	76	NA	0.00	0.200	0.405	ND
Freon 113 (C2Cl3F3)	151	NA	0.00	0.200	0.405	ND
Carbon disulfide	76	8.43	331,145	3.06	6.19	
trans-1,2-Dichloroethene	61	NA	0.00	0.200	0.405	ND
1,1-Dichloroethane	63	NA	0.00	0.200	0.405	ND
Methyl tert-butyl ether	73	NA	0.00	0.200	0.405	ND
Vinyl acetate	43	NA	0.00	0.200	0.405	ND
Methyl ethyl ketone (2-Butanone)	72	11.25	171,793	25.3	51.3	E
cis-1,2-Dichloroethylene	61	NA	0.00	0.200	0.405	ND
Hexane	57	9.84	22,624	0.971	1.97	J
Ethyl acetate	45	11.26	24,563	3.29	6.66	
Chloroform	83	11.69	211,545	0.851	1.72	J
Tetrahydrofuran	72	11.63	1,244,304	171	345	E
1,2-Dichloroethane	62	NA	0.00	0.200	0.405	ND
1,1,1-Trichloroethane	97	NA	0.00	0.200	0.405	ND
Benzene	78	12.50	172,485	2.12	4.28	
Carbon tetrachloride	117	NA	0.00	0.200	0.405	ND
Cyclohexane	56	11.96	32,344	1.27	2.57	
1,2-Dichloropropane	63	NA	0.00	0.200	0.405	ND
Bromodichloromethane	83	NA	0.00	0.200	0.405	ND
2,2,4-Trimethylpentane	57	NA	0.00	0.200	0.405	ND
Trichloroethene	130	NA	0.00	0.200	0.405	ND
1,4-Dioxane	88	NA	0.00	0.200	0.405	ND
Heptane	57	12.7NA7	32,065	2.21	4.48	
cis-1,3-Dichloropropene	75	NA	0.00	0.200	0.405	ND
Methyl isobutyl ketone	43	NA	0.00	0.200	0.405	ND

Company	TN & Associates
Analyst	LAG
Parameters	EPA Method TO-15
# Samples	3

Client #	NA
Job #	0707-03
PO #	5743
Report Date	7/13/2007

Sample ID: **WSP-01, 500mL** DF: 1.00
Data File: L070298.D Tank DF: 2.024
Tank/Misc ID: 1433

Compound	Quant	Ret. Time (min)	Area	Conc. (ppbv)	Sample Conc. (ppbv)	Flags
trans-1,3-Dichloropropene	75	NA	0.00	0.200	0.405	ND
1,1,2-Trichloroethane	97	NA	0.00	0.200	0.405	ND
Toluene	91	15.13	1,760,648	8.23	16.7	
2-Hexanone Methyl butyl ketone)	43	15.97	41,594	0.474	0.960	J
Dibromochloromethane	129	NA	0.00	0.200	0.405	ND
1,2-Dibromoethane	107	NA	0.00	0.200	0.405	ND
Tetrachloroethene	166	NA	0.00	0.200	0.405	ND
Chlorobenzene	112	NA	595,275	2.19	4.44	
Ethylbenzene	91	NA	91,777	0.272	0.550	J
m-/p-Xylenes	91	NA	0.00	0.400	0.810	ND
Bromoform	173	NA	0.00	0.200	0.405	ND
Styrene	104	NA	0.00	0.200	0.405	ND
o-Xylene	91	NA	0.00	0.200	0.405	ND
1,1,2,2,-Tetrachloroethane	83	NA	0.00	0.200	0.405	ND
4-Ethyltoluene	105	NA	0.00	0.200	0.405	ND
1,3,5-Trimethylbenzene	105	NA	0.00	0.200	0.405	ND
1,2,4-Trimethylbenzene	105	NA	0.00	0.200	0.405	ND
Benzyl chloride	91	NA	0.00	0.200	0.405	ND
1,3-Dichlorobenzene	146	NA	0.00	0.200	0.405	ND
1,4-Dichlorobenzene	146	NA	0.00	0.200	0.405	ND
1,2-Dichlorobenzene	146	NA	0.00	0.200	0.405	ND
1,2,4-Trichlorobenzene	180	NA	0.00	0.227	0.459	ND
Hexachlorobutadiene	225	NA	0.00	0.268	0.542	ND
					Rec. (%)	**Flags**
Bromochloromethane (IS)	130	11.61	1,990,693	20.2	N/A	
1,4-Difluorobenzene (IS)	114	13.04	8,263,098	20.0	N/A	
Chlorobenzene-d5 (IS)	117	16.99	7,396,305	20.4	N/A	

Internal Standard Acceptance Criteria (Area +/- 40%, RT +/- 20 sec.)

Internal Standard Name	Concal RT	Sample RT	Concal IS Area	Sample IS Area	Flag
Bromochloromethane (IS)	11.61	11.61	1,756,705	1,990,693	Pass
1,4-Difluorobenzene (IS)	13.03	13.04	7,966,239	8,263,098	Pass
Chlorobenzene-d5 (IS)	16.99	16.99	7,040,701	7,396,305	Pass

Company	TN & Associates, Inc.
Analyst	LAG
Parameters	EPA Method TO-15
# Samples	3

Client #	NA
Job #	0707-03
PO #	5743
Report Date	7/13/2007

Sample ID: **WSP-01, 500mL** DF: 1.00
Data File: L070298.D Tank DF: 2.024
Tank/Misc ID: 1433

Compound	CAS#	MW	Ret. Time (min)	Area	Conc. (ppbv)	Sample Conc. (ppbv)
Ethanol	000064-17-5	46.0	7.44	4,380,700	2.18	4.41
3-Methyl-2-butanone	000563-80-4	86.0	13.65	415,323	0.450	0.911
Hexamethylcyclotrisiloxane	000541-05-9	222	15.37	505,149	0.420	0.850

Operator's Assessments

Compound	CAS#	MW	Ret. Time (min)	Area	Conc. (ppbv)	Sample Conc. (ppbv)
Unknown		~115	5.17	2,162,000	1.08	2.19
Acetaldehyde	000075-07-0	44.0	5.58	9,363,770	4.66	9.43
Unknown		~44.0	13.80	499,159	0.550	1.11
Unknown		~84.0	14.54	1,062,510	1.16	2.35
Substituted benzene		~120	18.23	741,086	0.620	1.25
4,5-Dihydro-2-methylimidazole-4-one	1000128-69-3	98.0	18.48	8,095,180	6.81	13.8
Unknown		~58.0	18.97	448,146	0.380	0.769

Company	TN & Associates
Analyst	LAG
Parameters	EPA Method TO-15
# Samples	3

Client #	NA
Job #	0707-03
PO #	5743
Report Date	7/13/2007

Sample ID: **WSP-01, 100mL** DF: 5.00
Data File: L070299.D Tank DF: 2.024
Tank/Misc ID: 1433

Compound	Quant	Ret. Time (min)	Area	Conc. (ppbv)	Sample Conc. (ppbv)	Flags
Acetone	43	8.25	610,726	5.08	51.4	
Methylene chloride	49	9.05	117,587	1.66	16.8	
Methyl ethyl ketone (2-Butanone)	72	11.26	19,220	2.81	28.4	
Tetrahydrofuran	72	11.64	127,380	17.3	175	E
					Rec. (%)	**Flags**
Bromochloromethane (IS)	130	11.61	2,007,889	20.2	N/A	
1,4-Difluorobenzene (IS)	114	13.04	8,228,694	20.0	N/A	
Chlorobenzene-d5 (IS)	117	16.99	7,401,508	20.4	N/A	

Internal Standard Acceptance Criteria (Area +/- 40%, RT +/- 20 sec.)

Internal Standard Name	Concal RT	Sample RT	Concal IS Area	Sample IS Area	Flag
Bromochloromethane (IS)	11.61	11.61	1,756,705	2,007,889	Pass
1,4-Difluorobenzene (IS)	13.03	13.04	7,966,239	8,228,694	Pass
Chlorobenzene-d5 (IS)	16.99	16.99	7,040,701	7,401,508	Pass

Company	TN & Associates
Analyst	LAG
Parameters	EPA Method TO-15
# Samples	3

Client #	NA
Job #	0707-03
PO #	5743
Report Date	7/13/2007

Sample ID: **WSP-01, 25mL** DF: 20.0
Data File: L070297.D Tank DF: 2.024
Tank/Misc ID: 1433

Compound	Quant	Ret. Time (min)	Area	Conc. (ppbv)	Sample Conc. (ppbv)	Flags
Tetrahydrofuran	72	11.66	8,439	1.18	47.7	

					Rec. (%)	Flags
Bromochloromethane (IS)	130	11.60	1,956,063	20.2	N/A	
1,4-Difluorobenzene (IS)	114	13.04	8,263,812	20.0	N/A	
Chlorobenzene-d5 (IS)	117	16.99	7,282,505	20.4	N/A	

Internal Standard Acceptance Criteria (Area +/- 40%, RT +/- 20 sec.)

Internal Standard Name	Concal RT	Sample RT	Concal IS Area	Sample IS Area	Flag
Bromochloromethane (IS)	11.61	11.60	1,756,705	1,956,063	Pass
1,4-Difluorobenzene (IS)	13.03	13.04	7,966,239	8,263,812	Pass
Chlorobenzene-d5 (IS)	16.99	16.99	7,040,701	7,282,505	Pass

Company	TN & Associates
Analyst	LAG
Parameters	EPA Method TO-15
# Samples	3

Client #	NA
Job #	0707-03
PO #	5743
Report Date	7/13/2007

Sample ID: **WSP-02 , 500mL** DF: 1.00
Data File: L070306.D Tank DF: 1.996
Tank/Misc ID: 1340

Compound	Quant	Ret. Time (min)	Area	Conc. (ppbv)	Sample Conc. (ppbv)	Flags
propylene	41	4.32	1,125,820	104	208	E
Freon12(CCl2F2)	85	4.42	110,111	0.218	0.436	J
Chloromethane	50	NA	0.00	0.200	0.399	ND
Freon 114 (C2Cl2F4)	85	NA	0.00	0.200	0.399	ND
Chloroethene	62	NA	0.00	0.200	0.399	ND
1,3-Butadiene	39	NA	0.00	0.200	0.399	ND
Bromomethane	94	NA	0.00	0.200	0.399	ND
Chloroethane	64	NA	0.00	0.229	0.457	ND
Bromoethene	106	NA	0.00	0.200	0.399	ND
Acetone	43	8.23	6,235,713	50.7	101	E
Freon 11 (CCl3F)	101	NA	0.00	0.200	0.399	ND
Isopropyl alcohol	45	NA	0.00	0.200	0.399	ND
1,1-Dichloroethene	61	NA	0.00	0.200	0.399	ND
Methylene chloride	49	9.05	572,722	7.89	15.8	
Allyl chloride	76	NA	0.00	0.200	0.399	ND
Freon 113 (C2Cl3F3)	151	NA	0.00	0.200	0.399	ND
Carbon disulfide	76	8.44	348,843	3.12	6.23	
trans-1,2-Dichloroethene	61	NA	0.00	0.200	0.399	ND
1,1-Dichloroethane	63	NA	0.00	0.200	0.399	ND
Methyl tert-butyl ether	73	NA	0.00	0.200	0.399	ND
Vinyl acetate	43	NA	0.00	0.200	0.399	ND
Methyl ethyl ketone (2-Butanone)	72	11.25	28,710	4.10	8.19	
cis-1,2-Dichloroethylene	61	NA	0.00	0.200	0.399	ND
Hexane	57	9.83	31,504	1.31	2.62	
Ethyl acetate	45	11.26	25,111	3.26	6.50	
Chloroform	83	NA	0.00	0.200	0.399	ND
Tetrahydrofuran	72	NA	0.00	0.200	0.399	ND
1,2-Dichloroethane	62	NA	0.00	0.200	0.399	ND
1,1,1-Trichloroethane	97	NA	0.00	0.200	0.399	ND
Benzene	78	12.49	350,497	4.03	8.04	
Carbon tetrachloride	117	NA	0.00	0.200	0.399	ND
Cyclohexane	56	11.95	40,993	1.51	3.01	
1,2-Dichloropropane	63	NA	0.00	0.200	0.399	ND
Bromodichloromethane	83	NA	0.00	0.200	0.399	ND
2,2,4-Trimethylpentane	57	NA	0.00	0.200	0.399	ND
Trichloroethene	130	NA	0.00	0.200	0.399	ND
1,4-Dioxane	88	NA	0.00	0.200	0.399	ND
Heptane	57	12.71	41,471	2.68	5.34	
cis-1,3-Dichloropropene	75	NA	0.00	0.200	0.399	ND
Methyl isobutyl ketone	43	NA	0.00	0.200	0.399	ND

Company	TN & Associates
Analyst	LAG
Parameters	EPA Method TO-15
# Samples	3

Client #	NA
Job #	0707-03
PO #	5743
Report Date	7/13/2007

Sample ID: **WSP-02 , 500mL** DF: 1.00
Data File: L070306.D Tank DF: 1.996
Tank/Misc ID: 1340

Compound	Quant	Ret. Time (min)	Area	Conc. (ppbv)	Sample Conc. (ppbv)	Flags
trans-1,3-Dichloropropene	75	NA	0.00	0.200	0.399	ND
1,1,2-Trichloroethane	97	NA	0.00	0.200	0.399	ND
Toluene	91	15.12	3,662,615	15.9	31.8	E
2-Hexanone Methyl butyl ketone)	43	15.96	32,939	0.350	0.698	J
Dibromochloromethane	129	NA	0.00	0.200	0.399	ND
1,2-Dibromoethane	107	NA	0.00	0.200	0.399	ND
Tetrachloroethene	166	NA	0.00	0.200	0.399	ND
Chlorobenzene	112	17.03	713,876	2.45	4.88	
Ethylbenzene	91	17.10	222,403	0.613	1.22	J
m-/p-Xylenes	91	17.24	148,177	0.488	0.974	J
Bromoform	173	NA	0.00	0.200	0.399	ND
Styrene	104	17.80	170,880	0.663	1.32	J
o-Xylene	91	NA	0.00	0.200	0.399	ND
1,1,2,2,-Tetrachloroethane	83	NA	0.00	0.200	0.399	ND
4-Ethyltoluene	105	NA	0.00	0.200	0.399	ND
1,3,5-Trimethylbenzene	105	NA	0.00	0.200	0.399	ND
1,2,4-Trimethylbenzene	105	NA	0.00	0.200	0.399	ND
Benzyl chloride	91	NA	0.00	0.200	0.399	ND
1,3-Dichlorobenzene	146	NA	0.00	0.200	0.399	ND
1,4-Dichlorobenzene	146	NA	0.00	0.200	0.399	ND
1,2-Dichlorobenzene	146	NA	0.00	0.200	0.399	ND
1,2,4-Trichlorobenzene	180	NA	0.00	0.227	0.453	ND
Hexachlorobutadiene	225	NA	0.00	0.268	0.535	ND
					Rec. (%)	**Flags**
Bromochloromethane (IS)	130	11.61	2,054,743	20.2	N/A	
1,4-Difluorobenzene (IS)	114	13.04	8,828,891	20.0	N/A	
Chlorobenzene-d5 (IS)	117	16.99	7,944,739	20.4	N/A	

Internal Standard Acceptance Criteria (Area +/- 40%, RT +/- 20 sec.)

Internal Standard Name	Concal RT	Sample RT	Concal IS Area	Sample IS Area	Flag
Bromochloromethane (IS)	11.61	11.61	1,756,705	2,054,743	Pass
1,4-Difluorobenzene (IS)	13.03	13.04	7,966,239	8,828,891	Pass
Chlorobenzene-d5 (IS)	16.99	16.99	7,040,701	7,944,739	Pass

Company	TN & Associates, Inc.
Analyst	LAG
Parameters	EPA Method TO-15
# Samples	3

Client #	NA
Job #	0707-03
PO #	5743
Report Date	7/13/2007

Sample ID: **WSP-02 , 500mL** DF: 1.00
Data File: L070306.D Tank DF: 1.996
Tank/Misc ID: 1340

Compound	CAS#	MW	Ret. Time (min)	Area	Conc. (ppbv)	Sample Conc. (ppbv)
Ethanol	000064-17-5	46.0	7.48	7,284,740	10.6	21.1
alpha.-Pinene	007785-70-8	136	18.20	76,933,500	59.3	118

Operator's Assessments

Compound	CAS#	MW	Ret. Time (min)	Area	Conc. (ppbv)	Sample Conc. (ppbv)
Unknown alkene		~54.0	4.76	33,731,900	49.1	97.9
Unknown alkene		~58.0	5.20	12,679,800	18.4	36.8
Acetaldehyde	000075-07-0	44.0	5.54	13,571,100	19.7	39.4
Unknown		~102	6.06	88,068,300	128	256
Unknown		~98.0	11.01	4,551,470	6.62	13.2
Unknown		~87.0	16.10	9,356,840	7.21	14.4
Unknown		~116	18.10	27,662,000	21.3	42.6
beta-Pinene	000127-91-3	136	19.08	8,679,050	6.69	13.4

Company	TN & Associates
Analyst	LAG
Parameters	EPA Method TO-15
# Samples	3

Client #	NA
Job #	0707-03
PO #	5743
Report Date	7/13/2007

Sample ID: **WSP-02 , 100mL** DF: 5.00
Data File: L070307.D Tank DF: 1.996
Tank/Misc ID: 1340

Compound	Quant	Ret. Time (min)	Area	Conc. (ppbv)	Sample Conc. (ppbv)	Flags
propylene	41	4.32	245,085	22.8	227	E
Acetone	43	8.23	918,519	7.50	74.9	
Toluene	91	15.13	535,504	2.44	24.3	
					Rec. (%)	**Flags**
Bromochloromethane (IS)	130	11.61	2,044,627	20.2	N/A	
1,4-Difluorobenzene (IS)	114	13.03	8,811,722	20.0	N/A	
Chlorobenzene-d5 (IS)	117	16.99	7,600,835	20.4	N/A	

Internal Standard Acceptance Criteria (Area +/- 40%, RT +/- 20 sec.)

Internal Standard Name	Concal RT	Sample RT	Concal IS Area	Sample IS Area	Flag
Bromochloromethane (IS)	11.61	11.61	1,756,705	2,044,627	Pass
1,4-Difluorobenzene (IS)	13.03	13.03	7,966,239	8,811,722	Pass
Chlorobenzene-d5 (IS)	16.99	16.99	7,040,701	7,600,835	Pass

Company	TN & Associates
Analyst	LAG
Parameters	EPA Method TO-15
# Samples	3

Client #	NA
Job #	0707-03
PO #	5743
Report Date	7/13/2007

Sample ID: **WSP-02 , 50mL** DF: 10.0
Data File: L070308.D Tank DF: 1.996
Tank/Misc ID: 1340

Compound	Quant	Ret. Time (min)	Area	Conc. (ppbv)	Sample Conc. (ppbv)	Flags
propylene	41	4.32	59,641	5.71	114	

					Rec. (%)	Flags
Bromochloromethane (IS)	130	11.61	1,986,763	20.2	N/A	
1,4-Difluorobenzene (IS)	114	13.04	8,356,113	20.0	N/A	
Chlorobenzene-d5 (IS)	117	16.99	7,333,954	20.4	N/A	

Internal Standard Acceptance Criteria (Area +/- 40%, RT +/- 20 sec.)

Internal Standard Name	Concal RT	Sample RT	Concal IS Area	Sample IS Area	Flag
Bromochloromethane (IS)	11.61	11.61	1,756,705	1,986,763	Pass
1,4-Difluorobenzene (IS)	13.03	13.04	7,966,239	8,356,113	Pass
Chlorobenzene-d5 (IS)	16.99	16.99	7,040,701	7,333,954	Pass

Company	TN & Associates
Analyst	LAG
Parameters	EPA Method TO-15
# Samples	3

Client #	NA
Job #	0707-03
PO #	5743
Report Date	7/13/2007

Sample ID: **WSP-BG, 500mL** DF: 1.00
Data File: L070304.D Tank DF: 1.986
Tank/Misc ID: 1020

Compound	Quant	Ret. Time (min)	Area	Conc. (ppbv)	Sample Conc. (ppbv)	Flags
propylene	41	NA	0.00	0.256	0.508	ND
Freon12(CCl2F2)	85	4.41	115,258	0.232	0.461	J
Chloromethane	50	4.94	5,398	0.304	0.604	J
Freon 114 (C2Cl2F4)	85	NA	0.00	0.200	0.397	ND
Chloroethene	62	NA	0.00	0.200	0.397	ND
1,3-Butadiene	39	NA	0.00	0.200	0.397	ND
Bromomethane	94	NA	0.00	0.200	0.397	ND
Chloroethane	64	NA	0.00	0.229	0.455	ND
Bromoethene	106	NA	0.00	0.200	0.397	ND
Acetone	43	8.21	14,922,627	123	245	E
Freon 11 (CCl3F)	101	NA	0.00	0.200	0.397	ND
Isopropyl alcohol	45	8.51	42,439	0.634	1.26	J
1,1-Dichloroethene	61	NA	0.00	0.200	0.397	ND
Methylene chloride	49	9.05	397,139	5.56	11.0	
Allyl chloride	76	NA	0.00	0.200	0.397	ND
Freon 113 (C2Cl3F3)	151	NA	0.00	0.200	0.397	ND
Carbon disulfide	76	8.45	2,446,045	22.2	44.2	E
trans-1,2-Dichloroethene	61	NA	0.00	0.200	0.397	ND
1,1-Dichloroethane	63	NA	0.00	0.200	0.397	ND
Methyl tert-butyl ether	73	NA	0.00	0.200	0.397	ND
Vinyl acetate	43	NA	0.00	0.200	0.397	ND
Methyl ethyl ketone (2-Butanone)	72	11.25	59,112	8.58	17.0	
cis-1,2-Dichloroethylene	61	NA	0.00	0.200	0.397	ND
Hexane	57	9.84	158,598	6.70	13.3	
Ethyl acetate	45	11.25	27,708	3.65	7.25	
Chloroform	83	NA	0.00	0.200	0.397	ND
Tetrahydrofuran	72	NA	0.00	0.200	0.397	ND
1,2-Dichloroethane	62	12.60	49,402	0.250	0.497	J
1,1,1-Trichloroethane	97	NA	0.00	0.200	0.397	ND
Benzene	78	12.50	984,069	11.9	23.7	E
Carbon tetrachloride	117	NA	0.00	0.200	0.397	ND
Cyclohexane	56	11.95	218,455	8.48	16.8	
1,2-Dichloropropane	63	NA	0.00	0.200	0.397	ND
Bromodichloromethane	83	NA	0.00	0.200	0.397	ND
2,2,4-Trimethylpentane	57	NA	0.00	0.200	0.397	ND
Trichloroethene	130	NA	0.00	0.200	0.397	ND
1,4-Dioxane	88	13.90	7,033	0.281	0.558	J
Heptane	57	12.71	307,716	21.0	41.6	E
cis-1,3-Dichloropropene	75	NA	0.00	0.200	0.397	ND
Methyl isobutyl ketone	43	14.87	24,002	0.281	0.558	J

Company	TN & Associates
Analyst	LAG
Parameters	EPA Method TO-15
# Samples	3

Client #	NA
Job #	0707-03
PO #	5743
Report Date	7/13/2007

Sample ID: **WSP-BG, 500mL** DF: 1.00
Data File: L070304.D Tank DF: 1.986
Tank/Misc ID: 1020

Compound	Quant	Ret. Time (min)	Area	Conc. (ppbv)	Sample Conc. (ppbv)	Flags
trans-1,3-Dichloropropene	75	NA	0.00	0.200	0.397	ND
1,1,2-Trichloroethane	97	NA	0.00	0.200	0.397	ND
Toluene	91	15.11	16,721,484	75.6	150	E
2-Hexanone Methyl butyl ketone)	43	15.96	116,194	1.28	2.55	
Dibromochloromethane	129	NA	0.00	0.200	0.397	ND
1,2-Dibromoethane	107	NA	0.00	0.200	0.397	ND
Tetrachloroethene	166	15.84	97,725	0.492	0.977	J
Chlorobenzene	112	17.04	3,397,969	12.1	24.0	E
Ethylbenzene	91	17.10	706,353	2.02	4.02	
m-/p-Xylenes	91	NA	0.00	0.400	0.794	ND
Bromoform	173	NA	0.00	0.200	0.397	ND
Styrene	104	NA	0.00	0.200	0.397	ND
o-Xylene	91	NA	0.00	0.200	0.397	ND
1,1,2,2,-Tetrachloroethane	83	NA	0.00	0.200	0.397	ND
4-Ethyltoluene	105	NA	0.00	0.200	0.397	ND
1,3,5-Trimethylbenzene	105	NA	0.00	0.200	0.397	ND
1,2,4-Trimethylbenzene	105	NA	0.00	0.200	0.397	ND
Benzyl chloride	91	NA	0.00	0.200	0.397	ND
1,3-Dichlorobenzene	146	NA	0.00	0.200	0.397	ND
1,4-Dichlorobenzene	146	NA	0.00	0.200	0.397	ND
1,2-Dichlorobenzene	146	NA	0.00	0.200	0.397	ND
1,2,4-Trichlorobenzene	180	NA	0.00	0.227	0.451	ND
Hexachlorobutadiene	225	NA	0.00	0.268	0.532	ND
					Rec. (%)	**Flags**
Bromochloromethane (IS)	130	11.61	2,022,206	20.2	N/A	
1,4-Difluorobenzene (IS)	114	13.04	8,366,990	20.0	N/A	
Chlorobenzene-d5 (IS)	117	17.00	7,645,764	20.4	N/A	

Internal Standard Acceptance Criteria (Area +/- 40%, RT +/- 20 sec.)

Internal Standard Name	Concal RT	Sample RT	Concal IS Area	Sample IS Area	Flag
Bromochloromethane (IS)	11.61	11.61	1,756,705	2,022,206	Pass
1,4-Difluorobenzene (IS)	13.03	13.04	7,966,239	8,366,990	Pass
Chlorobenzene-d5 (IS)	16.99	17.00	7,040,701	7,645,764	Pass

Company	TN & Associates, Inc.
Analyst	LAG
Parameters	EPA Method TO-15
# Samples	3

Client #	NA
Job #	0707-03
PO #	5743
Report Date	7/13/2007

Sample ID: **WSP-BG 06/28/07, 500mL** DF: 1.00
Data File: L070304.D Tank DF: 1.986
Tank/Misc ID: 1020

Compound	CAS#	MW	Ret. Time (min)	Area	Conc. (ppbv)	Sample Conc. (ppbv)
Methyl Alcohol	000067-56-1	32.0	5.89	36,381,900	55.0	109
Ethanol	000064-17-5	46.0	7.45	13,480,500	20.4	40.5
Methyl ester-1,4-cyclohexadiene-1-carboxylic acid	050983-21-6	138	21.52	11,097,600	6.80	13.5

Operator's Assessments

Compound	CAS#	MW	Ret. Time (min)	Area	Conc. (ppbv)	Sample Conc. (ppbv)
Unknown		~128	5.19	9,947,830	15.0	29.9
Acetaldehyde	000075-07-0	44.0	5.58	17,321,800	26.2	52.0
Unknown alkane		~72.0	7.02	2,912,560	4.40	8.74
Unknown		~84.0	10.04	2,453,690	3.71	7.37
Unknown alkane		~100	11.80	1,999,800	3.02	6.00
Unknown alkane		~86.0	12.08	4,416,600	6.68	13.3
Unknown		~112	14.55	9,462,510	10.1	20.1

Company	TN & Associates
Analyst	LAG
Parameters	EPA Method TO-15
# Samples	3

Client #	NA
Job #	0707-03
PO #	5743
Report Date	7/13/2007

Sample ID: **WSP-BG , 250mL** DF: 2.00
Data File: L070305.D Tank DF: 1.986
Tank/Misc ID: 1020

Compound	Quant	Ret. Time (min)	Area	Conc. (ppbv)	Sample Conc. (ppbv)	Flags
Acetone	43	8.22	17,534,377	144	571	E
Carbon disulfide	76	8.45	1,080,703	9.77	38.8	
Benzene	78	12.49	456,594	5.38	21.4	
Heptane	57	12.70	121,040	8.02	31.8	
Toluene	91	15.12	9,877,480	43.7	174	E
Chlorobenzene	112	17.02	1,540,674	5.37	21.3	
					Rec. (%)	**Flags**
Bromochloromethane (IS)	130	11.62	2,035,420	20.2	N/A	
1,4-Difluorobenzene (IS)	114	13.04	8,599,016	20.0	N/A	
Chlorobenzene-d5 (IS)	117	16.98	7,809,727	20.4	N/A	

Internal Standard Acceptance Criteria (Area +/- 40%, RT +/- 20 sec.)

Internal Standard Name	Concal RT	Sample RT	Concal IS Area	Sample IS Area	Flag
Bromochloromethane (IS)	11.61	11.62	1,756,705	2,035,420	Pass
1,4-Difluorobenzene (IS)	13.03	13.04	7,966,239	8,599,016	Pass
Chlorobenzene-d5 (IS)	16.99	16.98	7,040,701	7,809,727	Pass

Company	TN & Associates
Analyst	LAG
Parameters	EPA Method TO-15
# Samples	3

Client #	NA
Job #	0707-03
PO #	5743
Report Date	7/13/2007

Sample ID: **WSP-BG, 20mL** DF: 25.0
Data File: L070301.D Tank DF: 1.986
Tank/Misc ID: 1020

Compound	Quant	Ret. Time (min)	Area	Conc. (ppbv)	Sample Conc. (ppbv)	Flags
Acetone	43	8.26	1,474,380	12.3	610	E
Toluene	91	15.14	227,258	1.08	53.6	

					Rec. (%)	Flags
Bromochloromethane (IS)	130	11.62	2,004,087	20.2	N/A	
1,4-Difluorobenzene (IS)	114	13.05	7,966,510	20.0	N/A	
Chlorobenzene-d5 (IS)	117	17.00	7,282,023	20.4	N/A	

Internal Standard Acceptance Criteria (Area +/- 40%, RT +/- 20 sec.)

Internal Standard Name	Concal RT	Sample RT	Concal IS Area	Sample IS Area	Flag
Bromochloromethane (IS)	11.61	11.62	1,756,705	2,004,087	Pass
1,4-Difluorobenzene (IS)	13.03	13.05	7,966,239	7,966,510	Pass
Chlorobenzene-d5 (IS)	16.99	17.00	7,040,701	7,282,023	Pass

Company	TN & Associates
Analyst	LAG
Parameters	EPA Method TO-15
# Samples	3

Client #	NA
Job #	0707-03
PO #	5743
Report Date	7/13/2007

Sample ID: **WSP-BG, 10mL** DF: 50.0
Data File: L070303.D Tank DF: 1.986
Tank/Misc ID: 1020

Compound	Quant	Ret. Time (min)	Area	Conc. (ppbv)	Sample Conc. (ppbv)	Flags
Acetone	43	8.26	478,349	3.95	392	

					Rec. (%)	Flags
Bromochloromethane (IS)	130	11.62	2,023,020	20.2	N/A	
1,4-Difluorobenzene (IS)	114	13.05	8,123,750	20.0	N/A	
Chlorobenzene-d5 (IS)	117	17.00	7,328,616	20.4	N/A	

Internal Standard Acceptance Criteria (Area +/- 40%, RT +/- 20 sec.)

Internal Standard Name	Concal RT	Sample RT	Concal IS Area	Sample IS Area	Flag
Bromochloromethane (IS)	11.61	11.62	1,756,705	2,023,020	Pass
1,4-Difluorobenzene (IS)	13.03	13.05	7,966,239	8,123,750	Pass
Chlorobenzene-d5 (IS)	16.99	17.00	7,040,701	7,328,616	Pass

Company	TN & Associates
Analyst	LAG
Parameters	EPA Method TO-15
# Samples	3

Client #	NA
Job #	0707-03
PO #	5743
Report Date	7/13/2007

Sample ID: **system blank, 500mL** DF: 1.00
Data File: L070296.D Tank DF: 1.000
Tank/Misc ID:

Compound	Quant	Ret. Time (min)	Area	Conc. (ppbv)	Sample Conc. (ppbv)	Flags
propylene	41	NA	0.00	0.256	0.256	ND
Freon12(CCl2F2)	85	NA	0.00	0.200	0.200	ND
Chloromethane	50	NA	0.00	0.200	0.200	ND
Freon 114 (C2Cl2F4)	85	NA	0.00	0.200	0.200	ND
Chloroethene	62	NA	0.00	0.200	0.200	ND
1,3-Butadiene	39	NA	0.00	0.200	0.200	ND
Bromomethane	94	NA	0.00	0.200	0.200	ND
Chloroethane	64	NA	0.00	0.229	0.229	ND
Bromoethene	106	NA	0.00	0.200	0.200	ND
Acetone	43	NA	0.00	0.200	0.200	ND
Freon 11 (CCl3F)	101	NA	0.00	0.200	0.200	ND
Isopropyl alcohol	45	NA	0.00	0.200	0.200	ND
1,1-Dichloroethene	61	NA	0.00	0.200	0.200	ND
Methylene chloride	49	NA	0.00	0.200	0.200	ND
Allyl chloride	76	NA	0.00	0.200	0.200	ND
Freon 113 (C2Cl3F3)	151	NA	0.00	0.200	0.200	ND
Carbon disulfide	76	NA	0.00	0.200	0.200	ND
trans-1,2-Dichloroethene	61	NA	0.00	0.200	0.200	ND
1,1-Dichloroethane	63	NA	0.00	0.200	0.200	ND
Methyl tert-butyl ether	73	NA	0.00	0.200	0.200	ND
Vinyl acetate	43	NA	0.00	0.200	0.200	ND
Methyl ethyl ketone (2-Butanone)	72	NA	0.00	0.200	0.200	ND
cis-1,2-Dichloroethylene	61	NA	0.00	0.200	0.200	ND
Hexane	57	NA	0.00	0.200	0.200	ND
Ethyl acetate	45	NA	0.00	0.200	0.200	ND
Chloroform	83	NA	0.00	0.200	0.200	ND
Tetrahydrofuran	72	NA	0.00	0.200	0.200	ND
1,2-Dichloroethane	62	NA	0.00	0.200	0.200	ND
1,1,1-Trichloroethane	97	NA	0.00	0.200	0.200	ND
Benzene	78	NA	0.00	0.200	0.200	ND
Carbon tetrachloride	117	NA	0.00	0.200	0.200	ND
Cyclohexane	56	NA	0.00	0.200	0.200	ND
1,2-Dichloropropane	63	NA	0.00	0.200	0.200	ND
Bromodichloromethane	83	NA	0.00	0.200	0.200	ND
2,2,4-Trimethylpentane	57	NA	0.00	0.200	0.200	ND
Trichloroethene	130	NA	0.00	0.200	0.200	ND
1,4-Dioxane	88	NA	0.00	0.200	0.200	ND
Heptane	57	NA	0.00	0.200	0.200	ND
cis-1,3-Dichloropropene	75	NA	0.00	0.200	0.200	ND
Methyl isobutyl ketone	43	NA	0.00	0.200	0.200	ND

Company	TN & Associates
Analyst	LAG
Parameters	EPA Method TO-15
# Samples	3

Client #	NA
Job #	0707-03
PO #	5743
Report Date	7/13/2007

Sample ID: **system blank, 500mL** DF: 1.00
Data File: L070296.D Tank DF: 1.000
Tank/Misc ID:

Compound	Quant	Ret. Time (min)	Area	Conc. (ppbv)	Sample Conc. (ppbv)	Flags
trans-1,3-Dichloropropene	75	NA	0.00	0.200	0.200	ND
1,1,2-Trichloroethane	97	NA	0.00	0.200	0.200	ND
Toluene	91	NA	0.00	0.200	0.200	ND
2-Hexanone Methyl butyl ketone)	43	NA	0.00	0.200	0.200	ND
Dibromochloromethane	129	NA	0.00	0.200	0.200	ND
1,2-Dibromoethane	107	NA	0.00	0.200	0.200	ND
Tetrachloroethene	166	NA	0.00	0.200	0.200	ND
Chlorobenzene	112	NA	0.00	0.200	0.200	ND
Ethylbenzene	91	NA	0.00	0.200	0.200	ND
m-/p-Xylenes	91	NA	0.00	0.400	0.400	ND
Bromoform	173	NA	0.00	0.200	0.200	ND
Styrene	104	NA	0.00	0.200	0.200	ND
o-Xylene	91	NA	0.00	0.200	0.200	ND
1,1,2,2,-Tetrachloroethane	83	NA	0.00	0.200	0.200	ND
4-Ethyltoluene	105	NA	0.00	0.200	0.200	ND
1,3,5-Trimethylbenzene	105	NA	0.00	0.200	0.200	ND
1,2,4-Trimethylbenzene	105	NA	0.00	0.200	0.200	ND
Benzyl chloride	91	NA	0.00	0.200	0.200	ND
1,3-Dichlorobenzene	146	NA	0.00	0.200	0.200	ND
1,4-Dichlorobenzene	146	NA	0.00	0.200	0.200	ND
1,2-Dichlorobenzene	146	NA	0.00	0.200	0.200	ND
1,2,4-Trichlorobenzene	180	NA	0.00	0.227	0.227	ND
Hexachlorobutadiene	225	NA	0.00	0.268	0.268	ND

					Rec. (%)	Flags
Bromochloromethane (IS)	130	11.61	1,892,835	20.2	N/A	
1,4-Difluorobenzene (IS)	114	13.04	7,235,101	20.0	N/A	
Chlorobenzene-d5 (IS)	117	16.99	6,443,988	20.4	N/A	

Internal Standard Acceptance Criteria (Area +/- 40%, RT +/- 20 sec.)

Internal Standard Name	Concal RT	Sample RT	Concal IS Area	Sample IS Area	Flag
Bromochloromethane (IS)	11.61	11.61	1,756,705	1,892,835	Pass
1,4-Difluorobenzene (IS)	13.03	13.04	7,966,239	7,235,101	Pass
Chlorobenzene-d5 (IS)	16.99	16.99	7,040,701	6,443,988	Pass

Company	TN & Associates, Inc.
Analyst	LAG
Parameters	EPA Method TO-15
# Samples	3

Client #	NA
Job #	0707-03
PO #	5743
Report Date	7/13/2007

Sample ID: **system blank, 500mL** DF: 1.00
Data File: L070296.D Tank DF: 1.000
Tank/Misc ID:

Compound	CAS#	MW	Ret. Time (min)	Area	Conc. (ppbv)	Sample Conc. (ppbv)

No peaks were detected.

Company	TN Assoc, Inc.
Analyst	MTR
Parameters	GC/FID Analysis
# Samples	2 runs & 1 blank

Client #	Charleston, SC
Job #	0707-03
PO #	5743
Report Date	7/16/2007

MDL 0.500 (ppm)
LOQ 3.00 (ppm)
Compound Methane

Lower Curve Limit 3.00 (ppm)
Upper Curve Limit 45.0 (ppm)

Sample ID	Lab ID # 1	Lab ID # 2	Lab ID # 3	Analysis Method	Ret Time (min)	Ret Time (min)	Ret Time (min)	% Diff Ret	Conc # 1 (ppm)	Conc # 2 (ppm)	Conc # 3 (ppm)	% Diff Conc	Avg Conc (ppm)	DF	Tank Dilution	Sample Conc (ppm)	Qual
WSP-01 #1433	026B1501.D	026B1502.D	026B1503.D	0707-03A.	NA	NA	NA	NA	0.500	0.500	0.500	0.0	0.500	1	2.024	1.01	ND
WSP-02 #1340	027B1601.D	027B1602.D	027B1603.D	0707-03A.	1.59	1.59	1.59	0.0	3.55	3.77	3.76	3.9	3.69	1	1.996	7.37	
WSP-BG #1020	028B1701.D	028B1702.D	028B1703.D	0707-03A.	1.59	1.59	1.59	0.1	0.825	0.852	0.859	2.4	0.845	1	1.986	1.68	J

Company	TN & Associates
Analyst	LAG
Parameters	EPA Method TO-15
# Samples	3

Client #	NA
Job #	0707-03
PO #	5743
Report Date	7/13/2007

				Pre-sample			Post-sample			Final		
Sample ID	Tank ID	Tank Dilution	Sample Vol (L) in Tank	Temp Field (F)	P_{bar} Field (mmHg)	Gauge Field (mmHg)	Temp Lab/Field (F)	P_{bar} Lab/Field (mmHg)	Gauge Lab/Field (mmHg)	Temp Lab (F)	P_{bar} Lab (mmHg)	Gauge Lab (mmHg)
WSP-01	1433	2.024	5.67	70.7	759	-750	70.7	757	-26	70.7	757	704
WSP-02	1340	1.996	5.74	70.7	759	-749	70.7	757	-16	70.7	757	702
WSP-BG	1020	1.986	5.81	70.7	759	-750	70.7	757	-8	70.7	757	712

The tank dilution factor(s) are calculated using the following formula:

$$\frac{\frac{GaugeLab + PbarLab}{TempLab + 460}}{\frac{GaugeLab\ /\ Field + PbarLab\ /\ Field}{TempLab\ /\ Field + 460} - \frac{GaugeField + PbarField}{TempField + 460}}$$

Narrative Summary

Enthalpy Analytical Narrative Summary

Company	TN & Associates, Inc.
Analyst	LAG
Parameters	EPA Method TO-15
# Samples	3

Client #	NA
Job #	0707-03
PO #	5743
Report Date	July 17, 2007

Custody

Amelia Mallner received the samples on 7/2/07 at ambient temperature after being relinquished by TN & Associates Incorporated. The sample canisters were received in good condition. Prior to and during analysis, the samples were kept under lock with access only to authorized personnel by Enthalpy Analytical, Inc.

Analysis

The samples were analyzed for TO-14/TO-15 Target Compound List analytes using the analytical procedures in EPA Method TO-15, Determination Of Volatile Organic Compounds (VOCs) In Air Collected In Specially-Prepared Canisters And Analyzed By Gas Chromatography/ Mass Spectrometry (GC/MS) and the Top Ten Tentatively Identified Compounds (TICs).

The samples and standards were analyzed following the procedures in Section 10.8, Sample Analysis.

Hewlett Packard Model 5890 Gas Chromatograph ("Lurch" S/N 2750A15233) was equipped as follows:

Front: 5971A Mass Selective Detector
Front: Restek Rtx-624, 60 m x 0.32 mm x 1.8 µm (S/N 797287)

The samples and standards were introduced directly to the analyzer using an Entech 7100A Preconcentrator.

A 500-mL aliquot of sample was analyzed for each of these samples, which results in no analytical dilution. Various dilutions were also performed. The samples were diluted to bring target analytes within the calibration range. Only the compounds exceeding the calibration range in the lesser-diluted analyses were reported in the higher dilution-level analyses. All E-flagged result values should be disregarded in favor of the unflagged result in the more dilute analysis.

The dilution factor is recorded on the Quantitation Report in the Miscellaneous field. For instance, a ten-fold dilution is indicated by: df=10*.

Chromatographic Conditions

The acquisition method MM-624C.M, which was used in the sample analysis, is included in the Curve/QA Chromatograms section of this report.

Enthalpy Analytical Narrative Summary
(continued)

QC Notes	All compounds met the 30% RSD (Section 10.5.5.1) and 30% D (Section 10.6.5) QC criteria. All sample preparation and analytical holding times specified in the method were met unless otherwise indicated.
Reporting Notes	The unidentified peaks were searched against a 129,000 compound library from the National Institute of Standards and Technology (NIST). Tentatively Identified Compounds (TICs) are calculated using an assumed response factor of 1 for all compounds and responses from the Total Ion Chromatogram. Compounds with poor spectral match are identified as "unknown". Identification of non-target analytes is based upon visual comparison of the sample spectra and best quality library searches. Relative intensities of major ions in the reference spectrum are compared to those in the sample spectrum. Intensities of the major ions should be within +/- twenty percent of those in the reference spectrum. In some instances a background subtraction may have been performed on the sample spectrum to remove ions that may be present due to contamination or coeluting peaks. Therefore, due to possible background interferences, ions present in the sample spectrum may not be present in the reference spectrum. On the TIC result spreadsheets, the top part of the page details peaks that had sufficiently good spectral matches to be identified by the IUPAC name and CAS#. The bottom part of the page details peaks whose spectra were not good enough to give positive identification. Labeled as "Operator Assessments", this table includes more generic compound identifications that should be considered educated estimations. Enthalpy Analytical, Inc. is accredited to perform this method for compliance purposes by the National Environmental Laboratory Accreditation Conference (NELAC) through the Louisiana Environmental Laboratory Accreditation Program (LELAP), certificate number 04010.

Enthalpy Analytical Narrative Summary

Company	TN & Associates, Inc.
Analyst	MTR
Parameters	GC/ FID Analysis
# Samples	2 runs & 1 blank

Client #	Charleston, SC
Job #	0707-03
PO #	5743
Report Date	July 16, 2007

Custody	Amelia Mallner received the samples on 7/2/07 after being relinquished by TN & Associates, Inc. The samples were received at ambient temperature in good condition. Prior to and during analysis, the samples were kept under lock with access only to authorized personnel by Enthalpy Analytical, Inc.
Analysis	The samples were analyzed for methane using generic procedures for GC/FID sample analysis. All samples and standards were introduced directly to the column using an automated 6-port Valco gas sampling valve equipped with a stainless steel loop. All compounds were referenced to gas phase standards. Upon receipt, the tank pressures were measured and recorded. The tanks were then pressurized and a dilution ratio was calculated for each tank (see Tank Dilution Sheet). The Agilent Technologies Model 6890, Gas Chromatograph ("Gummo" S/N US00028451) was equipped as follows: Front: Flame Ionization Detector Front: Restek Rt Alumina, 30m x 0.32 mm (S/N 704339) Rear: Flame Ionization Detector Rear: Restek Rtx-1, 30 m x 0.32 mm (S/N 666513)
Calibration	The calibration curve(s) are located in the back of this report and referenced in the Analysis Method column on the Detailed Results page. For each calibration curve used, the first page of the curve contains all method specific parameters (i.e., curve type, origin, weight, etc.) used to quantify the samples. The calibration curve section also includes a table with the Retention Time (RetTime), Level (Lvl), Amount (corresponding units), Area, Response Factor (Amt/Area) and the analyte Name. The calibration table is used to identify (by retention time) and quantify each target compound.
Chromatographic Conditions	The acquisition method HRVOC5.M is included in the Curve/QA Chromatograms section of this report.
QC Notes	None
Reporting Notes	None

General Reporting Notes

The following are general reporting notes that are applicable to all Enthalpy Analytical, Inc. reports, unless specifically noted otherwise.

- The symbol ***MDL*** represents the Minimum Detection Limit. Below this value the laboratory cannot confim the presence of the analyte of interest reliably.
- The symbol ***LOQ*** represents the Limit of Quantification. Below this value the laboratory cannot quantitate the analyte of interest within the criteria of the method.
- The symbol ***ND*** following a value indicates a non-detect or analytical result below the MDL.
- The symbol ***J*** following a value indicates an analytical result between the MDL and the LOQ. A J flag indicates that the laboratory can positively identify the analyte of interest as present, but the value should be considered an estimate.
- The symbol ***E*** following a value indicates an analytical result exceeding 100% of the highest calibration point.
- The symbol ***DF*** represents a Dilution Factor. This number represents dilutions during the extraction and/or laboratory stages of sample treatment. The analytical result taken from a laboratory instrument is multiplied by the DF to get final results.
- The Sample ID ***MS*** represents a Matrix Spike. An aliquot of an actual sample is spiked with a known amount of analyte so that a percent recovery value can be determined. This shows what effect the sample matrix may have on the target analyte, i.e. whether or not anything in the sample matrix prohibits analysis for the analyte(s).
- The Sample ID ***MSD*** represents a Matrix Spike Duplicate. Prepared in the same manner as an MS, the use of duplicate matrix spikes allows further confirmation of laboratory quality by showing the consistency of results gained by performing the same steps multiple times. Most methods performed by Enthalpy do not require analysis of an MSD.
- The Sample ID ***BS*** represents a Blind Spike. A member of the Quality Assurance department has created BS samples for many of the analytes Enthalpy tests for, and only QA and the Enthalpy Analytical ownership have access to the actual values of these samples. The laboratory analyzes them without knowledge of the actual value, and the spreadsheets get completed for these samples solely by the QA group.
- The Sample ID ***LCS*** represents a Laboratory Control Sample. Whenever spikes are prepared for our clients more spikes are prepared than needed. The extras (randomly chosen) are kept in-house at the appropriate temperature conditions. When the spike samples come back from the client for analysis, the LCSs (usually two are saved) are analyzed to confirm that the analyte could be recovered from the media, separate from the spike samples which were used on the project and which may have had issues caused during collection and/or transport.
- **Significant Figures**: Where the reported value is much greater than unity (1.00) in the units expressed (specifically values of 1,000 or greater), the number is rounded to a whole number of units, rather than to 3 significant figures. For example, a value of 10,456.45 ug catch is rounded to 10,456 ug. There are five significant digits reported, but no confidence should be placed on more than three significant digits.

Sample Custody

Enthalpy Analytical, Inc.
Suite A, 2202 Ellis Rd.
Durham, NC 27703

Chain Of Custody

Phone: 919/850-4392
Fax: 919/850-9012
Email: help@enthalpy.com

Company / Site: TNA	Purchase Order #:	Analytical Methods/Notes: TO 14 TICS Full scan VOC	Sampled by: Jon Crain
Address: 1220 Kennestone Circle D Marietta, GA 30066	Job #: 0707-03		Company: TNA
Tel: 678-355-5550	Contact: Jon Crain		
	Email: JCrain@tnainc.com	Fax:	Custody Seal #:

Sample Identification	Date	Start time	Stop time	Media/Vol.	Analytical Parameters	Notes
WSP-01	06/28/07	1910	1910	SUMA	TO 14 TICS	
WSP-BG	06/28/07	2000	2000	SUMA	TO 14 TICS	
WSP-BG02 LAG 7/11/07	06/29/07	0800	0800	SUMA	TO 14 TICS	

Relinquished by: (Name / Company)	Date / Time	Received by: (Name / Company)	Date / Time
David S Eckard / Enthalpy	6-28-7/17:14	Jonathan Crain / TNA	06/28/07/17:14
Relinquished by: (Name / Company)	Date / Time	Received by: (Name / Lab)	Date / Time
Jonathan Crain / TNA	06/29/07 0900	Emilie Mark / Enthalpy	7-2-07 / 8:36am

T=ambient

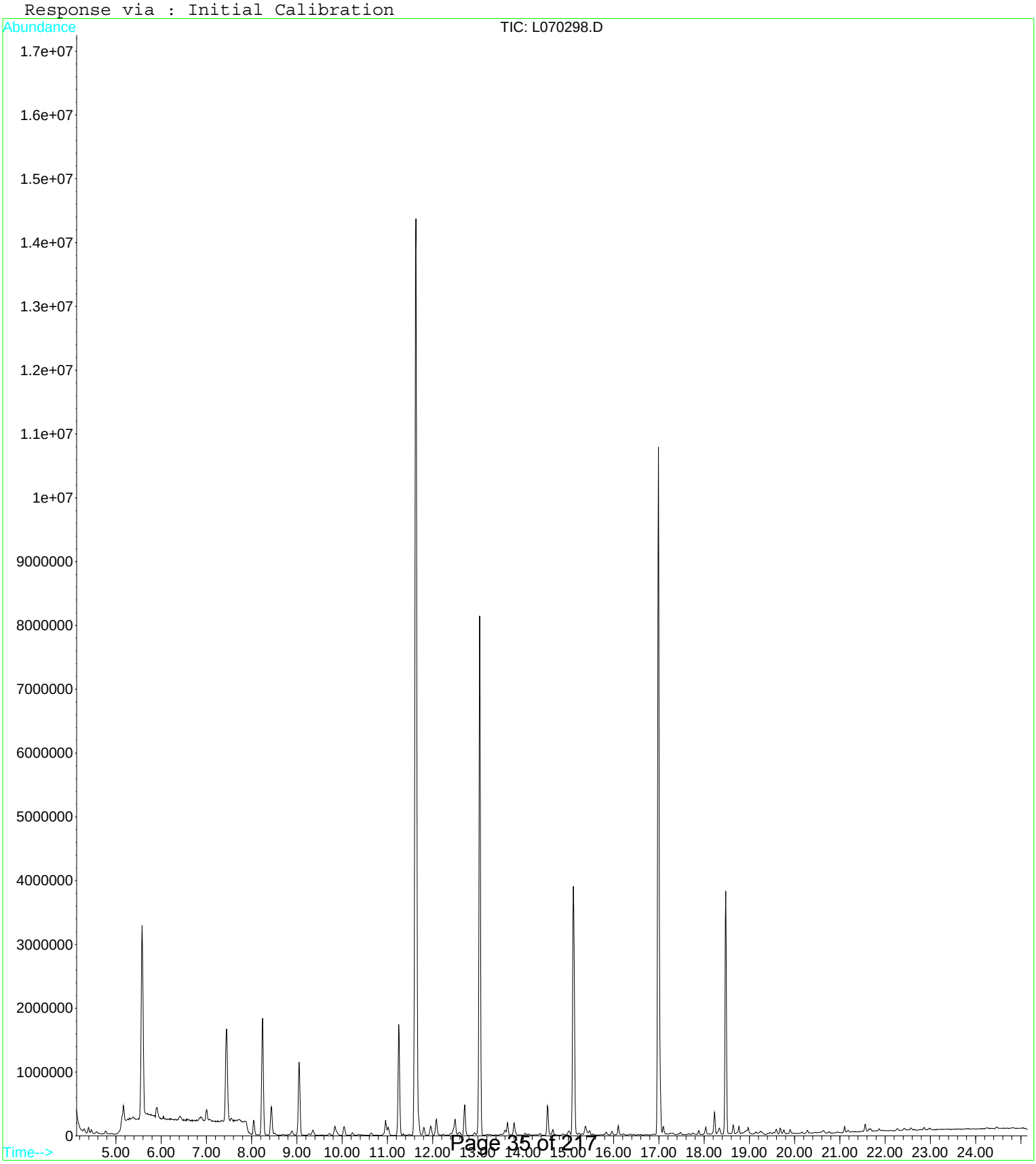
ENTHALPY analytical, inc.

Sample Chromatograms

Quantitation Report

Data File : M:\MS2007Q3\LURCH\DATA\JUL07\07-11-07\L070298.D Vial: 8
Acq On : 11 Jul 2007 2:12 pm Operator: lag
Sample : WSP-01, 500mL Inst : Lurch
Misc : 1433, 0707-03 Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Jul 12 9:07 2007 Quant Results File: TO1415.RES

Method : M:\MS2007Q1\LURCH\METHODS\TO1415.M (RTE Integrator)
Title : TO14
Last Update : Tue Apr 17 17:01:10 2007
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data File : M:\MS2007Q3\LURCH\DATA\JUL07\07-11-07\L070298.D Vial: 8
Acq On : 11 Jul 2007 2:12 pm Operator: lag
Sample : WSP-01, 500mL Inst : Lurch
Misc : 1433, 0707-03 Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Jul 12 9:07 2007 Quant Results File: TO1415.RES

Quant Method : M:\MS2007Q1\L...\TO1415.M (RTE Integrator)
Title : TO14
Last Update : Tue Apr 17 17:01:10 2007
Response via : Initial Calibration
DataAcq Meth : MM-624C

Internal Standards	R.T.	QIon	Response	Conc Units	Dev(Min)
1) Bromochloromethane (IS)	11.61	130	1990693	20.20 PPBV	0.00
31) 1,4-Difluorobenzene (IS)	13.04	114	8263098	20.00 PPBV	0.00
45) Chlorobenzene-d5 (IS)	16.99	117	7396305	20.40 PPBV	0.00
Target Compounds					Qvalue
2) propylene	4.29	41	4920	0.47 PPBV #	39
3) Freon12(CCl2F2)	0.00	85	0	N.D. d	
4) Chloromethane	0.00	50	0	N.D. d	
5) Freon 114 (C2Cl2F4)	0.00	85	0	N.D.	
6) Chloroethene	0.00	62	0	N.D.	
7) 1,3-Butadiene	0.00	39	0	N.D. d	
8) Bromomethane	0.00	94	0	N.D. d	
9) Chloroethane	0.00	64	0	N.D. d	
10) Bromoethene	0.00	106	0	N.D.	
11) Acetone	8.24	43	3472369	29.13 PPBV #	87
12) Freon 11 (CCl3F)	0.00	101	0	N.D. d	
13) Isopropyl alcohol	8.52	45	38809	0.59 PPBV #	34
14) 1,1-Dichloroethene	0.00	61	0	N.D.	
15) Methylene chloride	9.05	49	727987	10.35 PPBV #	71
16) Allyl chloride	0.00	76	0	N.D.	
17) Freon 113 (C2Cl3F3)	0.00	151	0	N.D. d	
18) Carbon disulfide	8.43	76	331145	3.06 PPBV #	1
19) trans-1,2-Dichloroethene	0.00	61	0	N.D.	
20) 1,1-Dichloroethane	0.00	63	0	N.D.	
21) Methyl tert-butyl ether	0.00	73	0	N.D.	
22) Vinyl acetate	0.00	43	0	N.D.	
23) Methyl ethyl ketone (2-But	11.25	72	171793	25.33 PPBV #	1
24) cis-1,2-Dichloroethylene	0.00	61	0	N.D. d	
25) Hexane	9.84	57	22624	0.97 PPBV #	1
26) Ethyl acetate	11.26	45	24563	3.29 PPBV #	1
27) Chloroform	11.69	83	211545	0.85 PPBV	97
28) Tetrahydrofuran	11.63	72	1244304	170.69 PPBV	89
29) 1,2-Dichloroethane	0.00	62	0	N.D. d	
30) 1,1,1-Trichloroethane	0.00	97	0	N.D. d	
32) Benzene	12.50	78	172485	2.12 PPBV #	67
33) Carbon tetrachloride	0.00	117	0	N.D. d	
34) Cyclohexane	11.96	56	32344	1.27 PPBV #	13
35) 1,2-Dichloropropane	0.00	63	0	N.D.	
36) Bromodichloromethane	0.00	83	0	N.D. d	
37) 2,2,4-Trimethylpentane	0.00	57	0	N.D. d	
38) Trichloroethene	0.00	130	0	N.D. d	
39) 1,4-Dioxane	0.00	88	0	N.D.	
40) Heptane	12.71	57	32065	2.21 PPBV #	26
41) cis-1,3-Dichloropropene	0.00	75	0	N.D.	
42) Methyl isobutyl ketone	0.00	43	0	N.D. d	
43) trans-1,3-Dichloropropene	15.39	75	3627	N.D.	
44) 1,1,2-Trichloroethane	0.00	97	0	N.D.	
46) Toluene	15.13	91	1760648	8.23 PPBV	99
47) 2-Hexanone Methyl butyl ke	15.97	43	41594	0.47 PPBV #	75
48) Dibromochloromethane	0.00	129	0	N.D.	
49) 1,2-Dibromoethane	0.00	107	0	N.D.	
50) Tetrachloroethene	0.00	166	0	N.D. d	
51) Chlorobenzene	17.03	112	595275	2.19 PPBV #	76
52) Ethylbenzene	17.10	91	91777	0.27 PPBV	95
53) m-/p-Xylenes	~~17.24~~	91	~~15370~~	N.D. Not Reported (MSS)	
54) Bromoform	0.00	173	0	N.D.	
55) Styrene	0.00	104	0	N.D.	
56) o-Xylene	0.00	91	0	N.D. d	

(#) = qualifier out of range (m) = manual integration
L070298.D TO1415.M Thu Jul 12 12:40:51 2007 Page 1

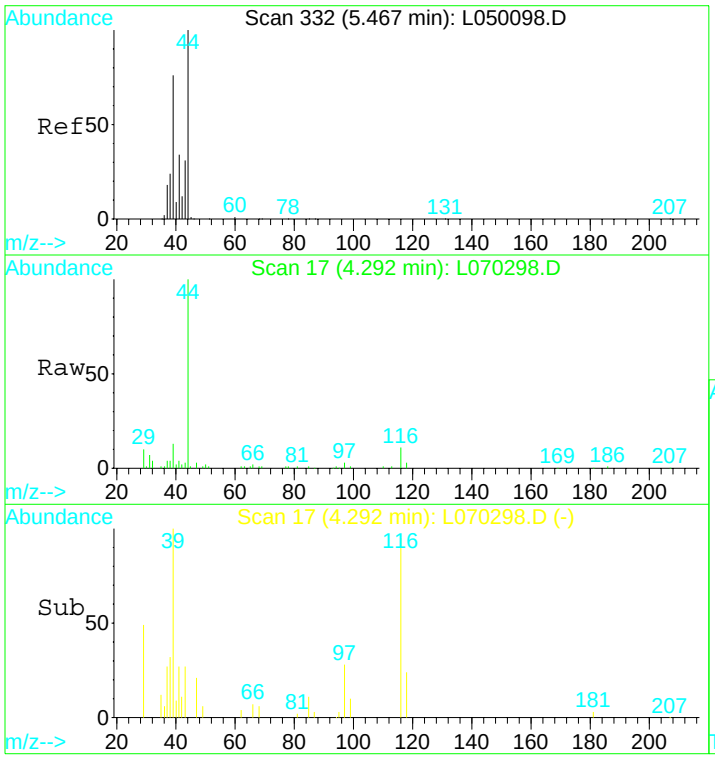
Quantitation Report (QT Reviewed)

Data File : M:\MS2007Q3\LURCH\DATA\JUL07\07-11-07\L070298.D Vial: 8
Acq On : 11 Jul 2007 2:12 pm Operator: lag
Sample : WSP-01, 500mL Inst : Lurch
Misc : 1433, 0707-03 Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Jul 12 9:07 2007 Quant Results File: TO1415.RES

Quant Method : M:\MS2007Q1\L...\TO1415.M (RTE Integrator)
Title : TO14
Last Update : Tue Apr 17 17:01:10 2007
Response via : Initial Calibration
DataAcq Meth : MM-624C

	Compound	R.T.	QIon	Response	Conc Unit	Qvalue
57)	1,1,2,2,-Tetrachloroethane	0.00	83	0	N.D.	
58)	4-Ethyltoluene	0.00	105	0	N.D.	
59)	1,3,5-Trimethylbenzene	0.00	105	0	N.D.	
60)	1,2,4-Trimethylbenzene	0.00	105	0	N.D.	
61)	Benzyl chloride	0.00	91	0	N.D.	
62)	1,3-Dichlorobenzene	0.00	146	0	N.D.	
63)	1,4-Dichlorobenzene	0.00	146	0	N.D.	
64)	1,2-Dichlorobenzene	0.00	146	0	N.D.	
65)	1,2,4-Trichlorobenzene	0.00	180	0	N.D.	
66)	Hexachlorobutadiene	0.00	225	0	N.D.	

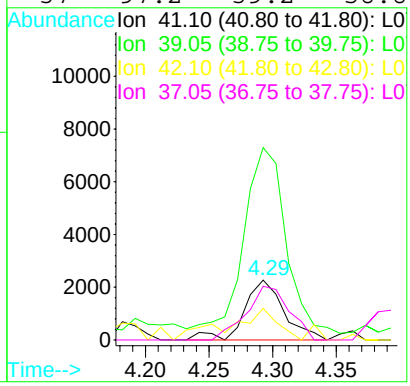
(#) = qualifier out of range (m) = manual integration

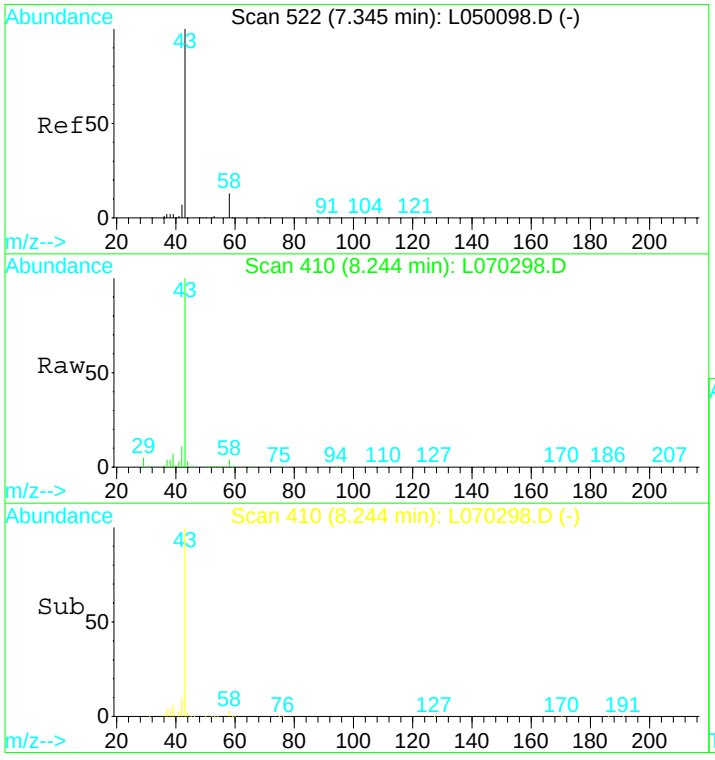


#2
propylene
Concen: 0.47 PPBV
RT: 4.29 min Scan# 17
Delta R.T. -0.03 min
Lab File: L070298.D
Acq: 11 Jul 2007 2:12 pm

Tgt Ion: 41 Resp: 4920

Ion	Ratio	Lower	Upper
41	100		
39	326.7	177.2	265.8#
42	43.4	25.8	38.6#
37	97.2	39.2	58.8#

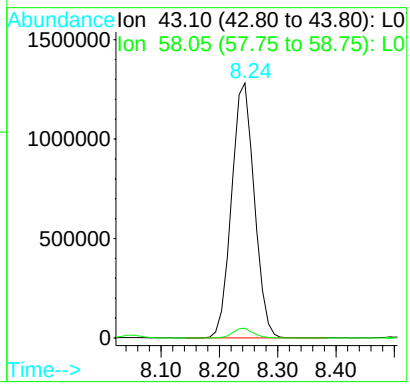


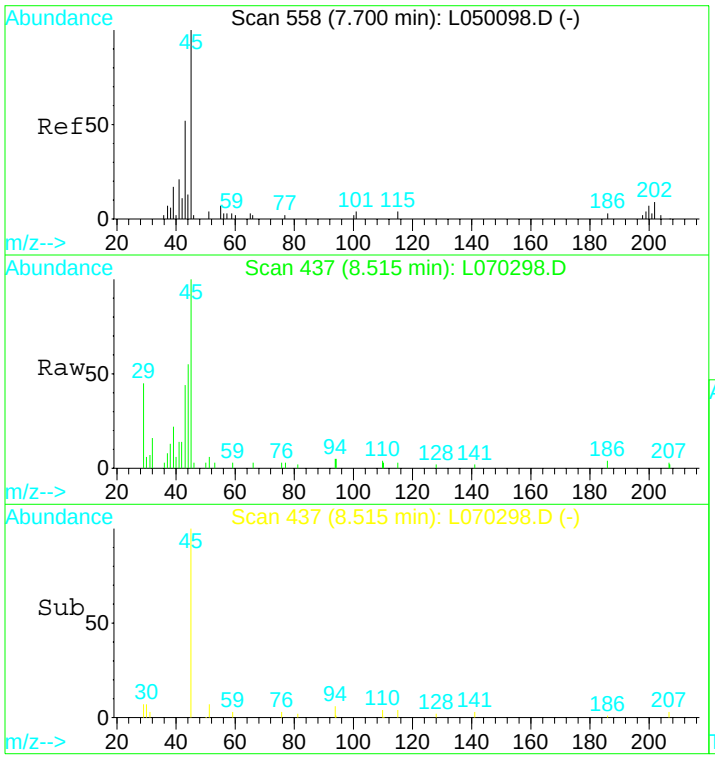


#11
Acetone
Concen: 29.13 PPBV
RT: 8.24 min Scan# 410
Delta R.T. 0.01 min
Lab File: L070298.D
Acq: 11 Jul 2007 2:12 pm

Tgt Ion: 43 Resp: 3472369

Ion	Ratio	Lower	Upper
43	100		
58	3.4	6.6	9.8#

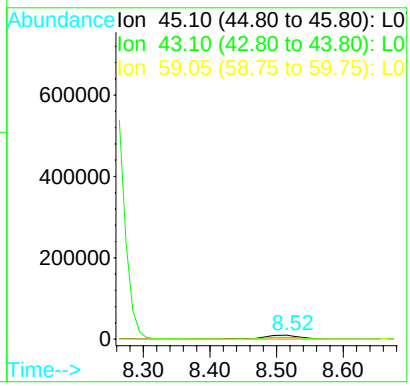


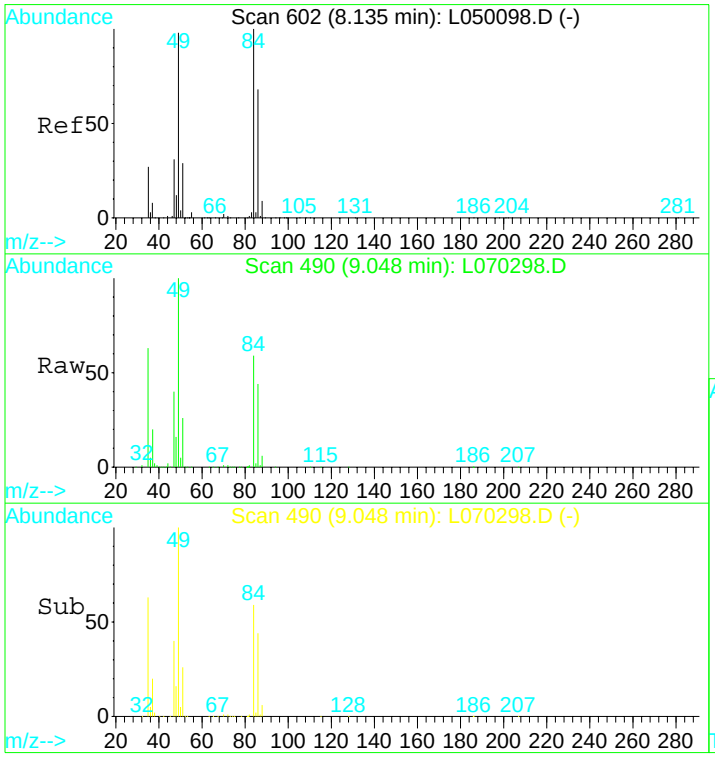


#13
Isopropyl alcohol
Concen: 0.59 PPBV
RT: 8.52 min Scan# 437
Delta R.T. 0.03 min
Lab File: L070298.D
Acq: 11 Jul 2007 2:12 pm

Tgt Ion: 45 Resp: 38809

Ion	Ratio	Lower	Upper
45	100		
43	0.0	35.7	53.5#
59	0.0	1.5	2.3#

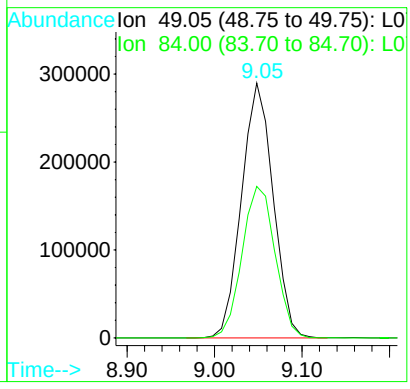


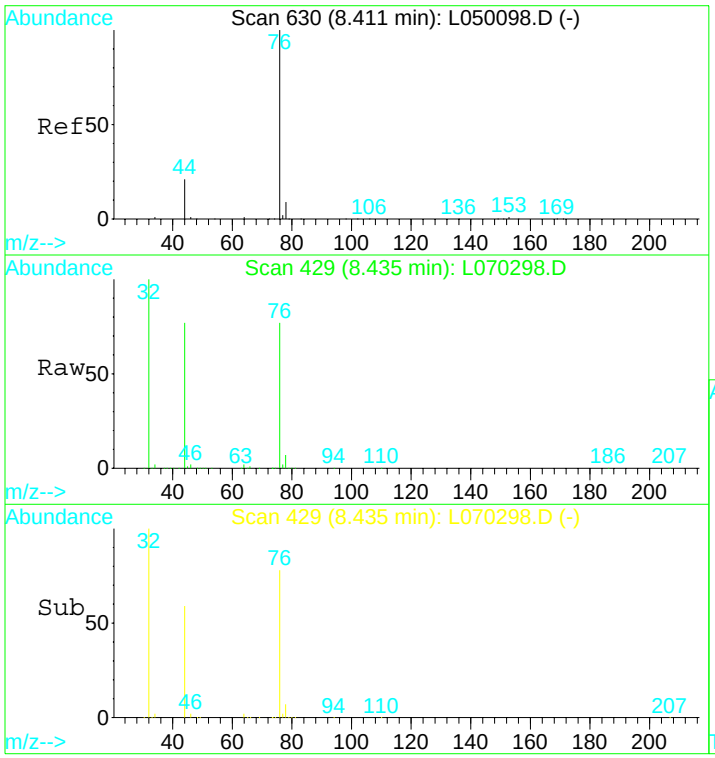


#15
Methylene chloride
Concen: 10.35 PPBV
RT: 9.05 min Scan# 490
Delta R.T. 0.02 min
Lab File: L070298.D
Acq: 11 Jul 2007 2:12 pm

Tgt Ion: 49 Resp: 727987

Ion	Ratio	Lower	Upper
49	100		
84	62.2	34.6	52.0#

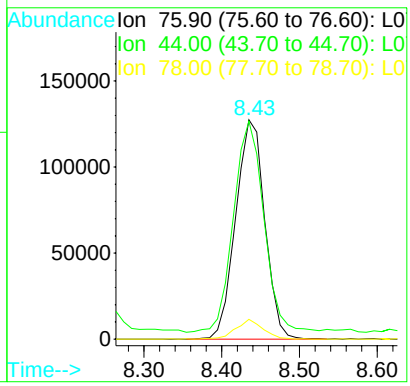


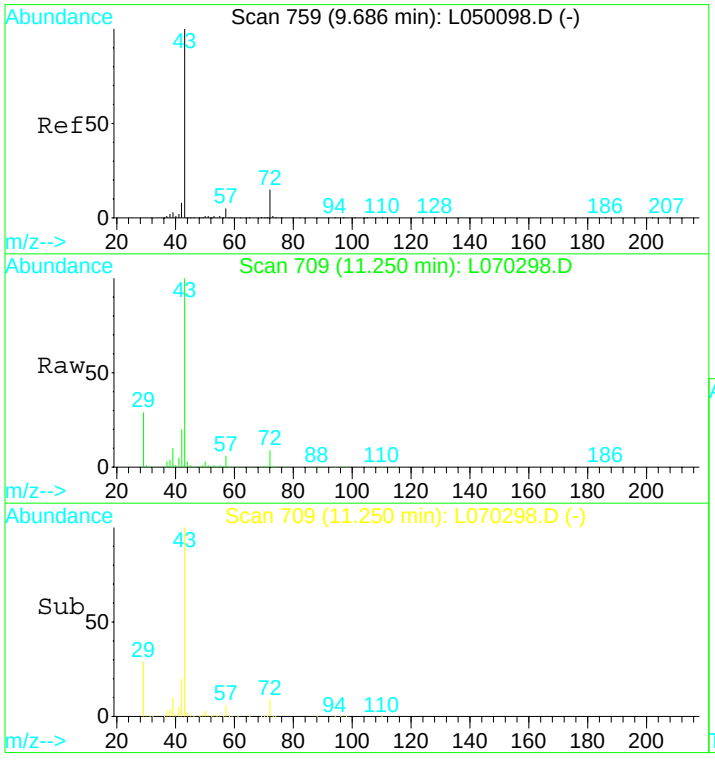


#18
Carbon disulfide
Concen: 3.06 PPBV
RT: 8.43 min Scan# 429
Delta R.T. -0.00 min
Lab File: L070298.D
Acq: 11 Jul 2007 2:12 pm

Tgt Ion: 76 Resp: 331145

Ion	Ratio	Lower	Upper
76	100		
44	100.4	21.8	32.8#
78	8.5	8.9	13.3#

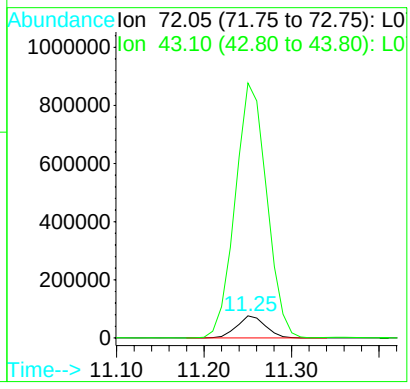


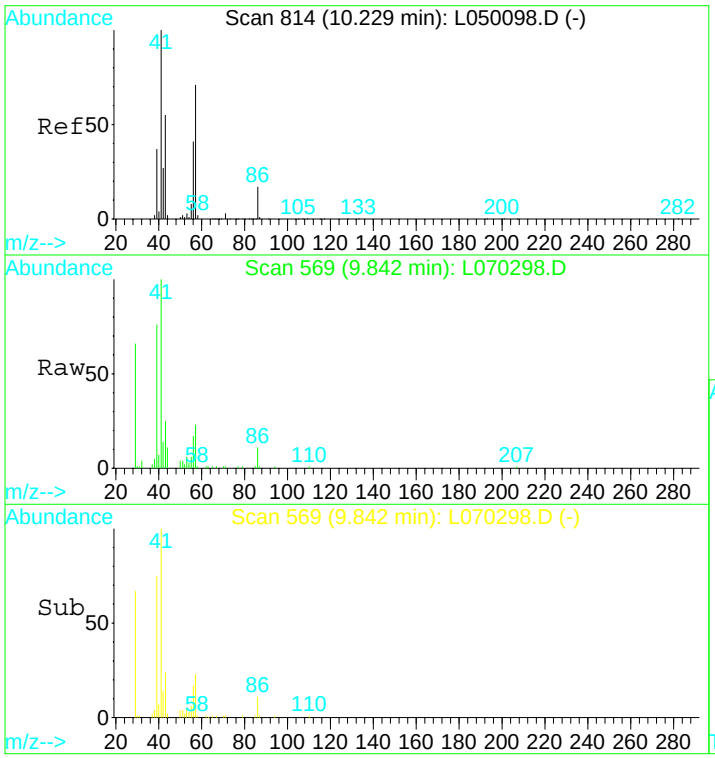


#23
Methyl ethyl ketone (2-Butanone)
Concen: 25.33 PPBV
RT: 11.25 min Scan# 709
Delta R.T. -0.00 min
Lab File: L070298.D
Acq: 11 Jul 2007 2:12 pm

Tgt Ion: 72 Resp: 171793

Ion	Ratio	Lower	Upper
72	100		
43	1280.0	545.4	818.0#

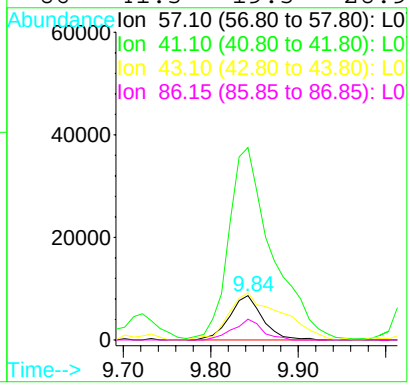


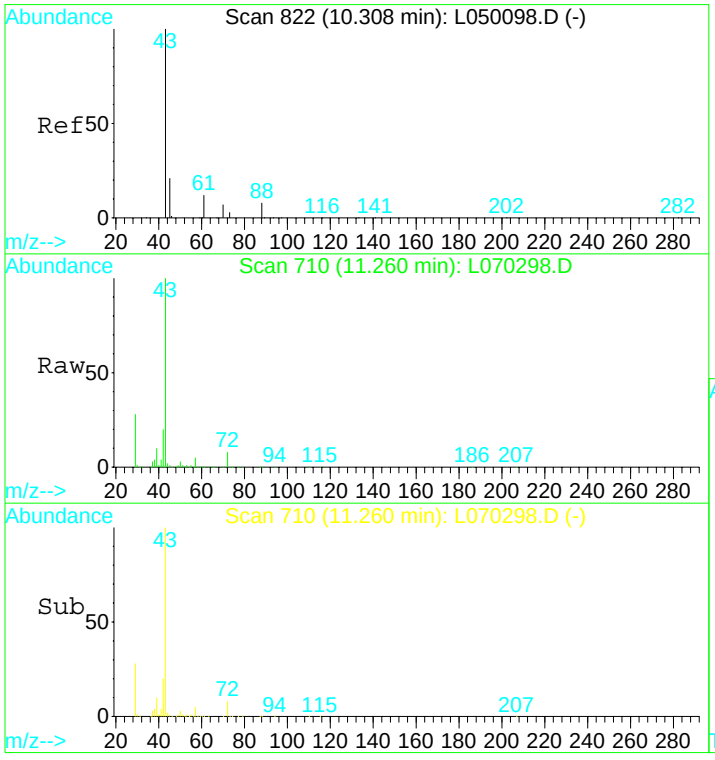


#25
Hexane
Concen: 0.97 PPBV
RT: 9.84 min Scan# 569
Delta R.T. 0.02 min
Lab File: L070298.D
Acq: 11 Jul 2007 2:12 pm

Tgt Ion: 57 Resp: 22624

Ion	Ratio	Lower	Upper
57	100		
41	566.1	99.4	149.2#
43	169.4	59.0	88.4#
86	41.3	19.3	28.9#

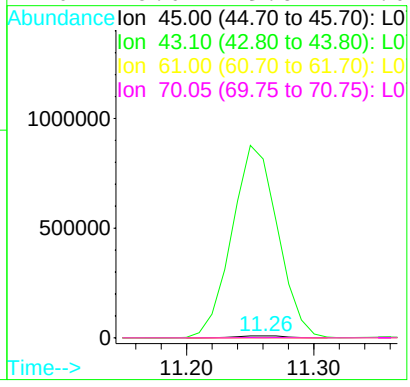


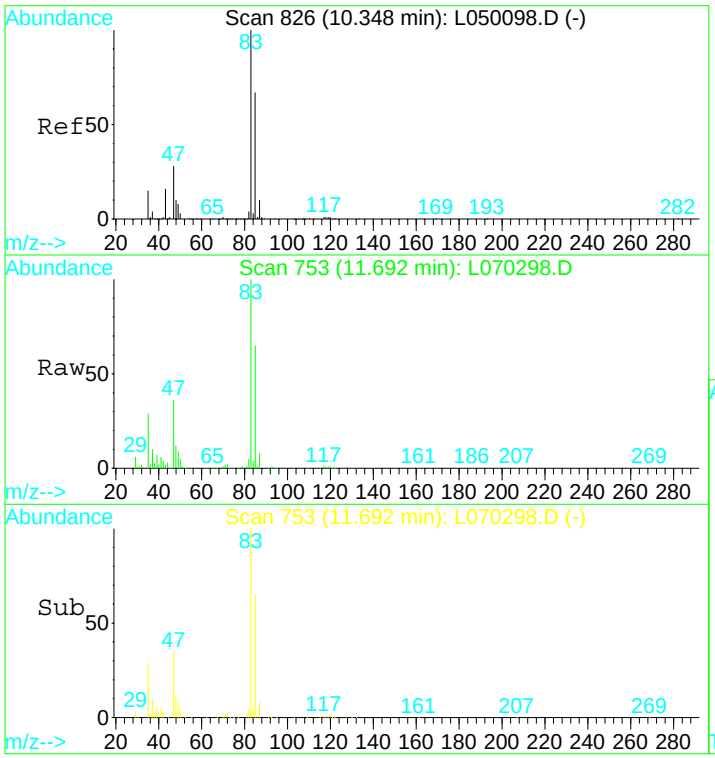


#26
Ethyl acetate
Concen: 3.29 PPBV
RT: 11.26 min Scan# 710
Delta R.T. -0.01 min
Lab File: L070298.D
Acq: 11 Jul 2007 2:12 pm

Tgt Ion: 45 Resp: 24563

Ion	Ratio	Lower	Upper
45	100		
43	8952.3	1029.0	1543.4#
61	17.7	126.3	189.5#
70	13.6	49.8	74.6#

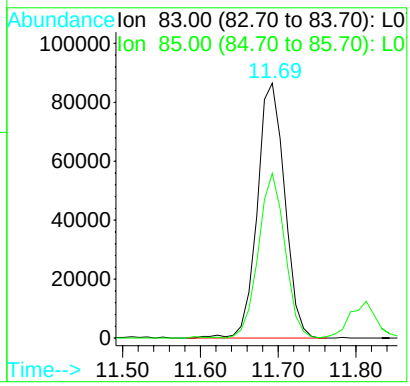


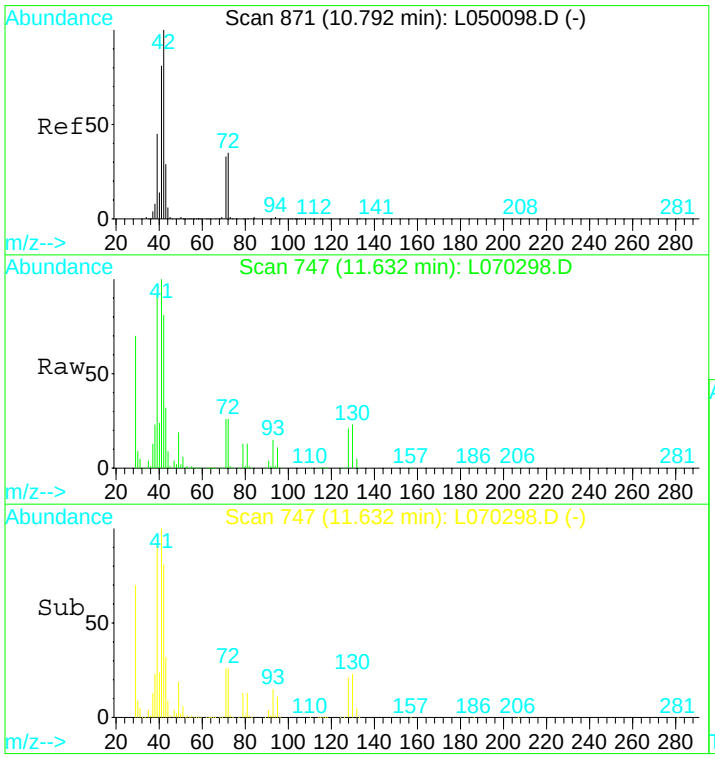


#27
Chloroform
Concen: 0.85 PPBV
RT: 11.69 min Scan# 753
Delta R.T. 0.01 min
Lab File: L070298.D
Acq: 11 Jul 2007 2:12 pm

Tgt Ion: 83 Resp: 211545

Ion	Ratio	Lower	Upper
83	100		
85	62.6	51.7	77.5

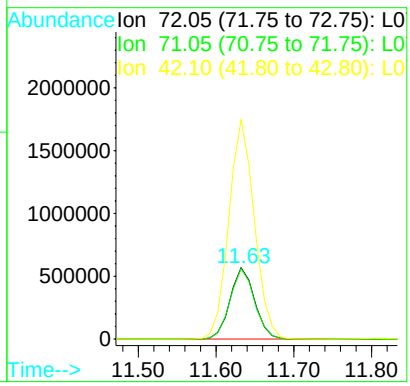


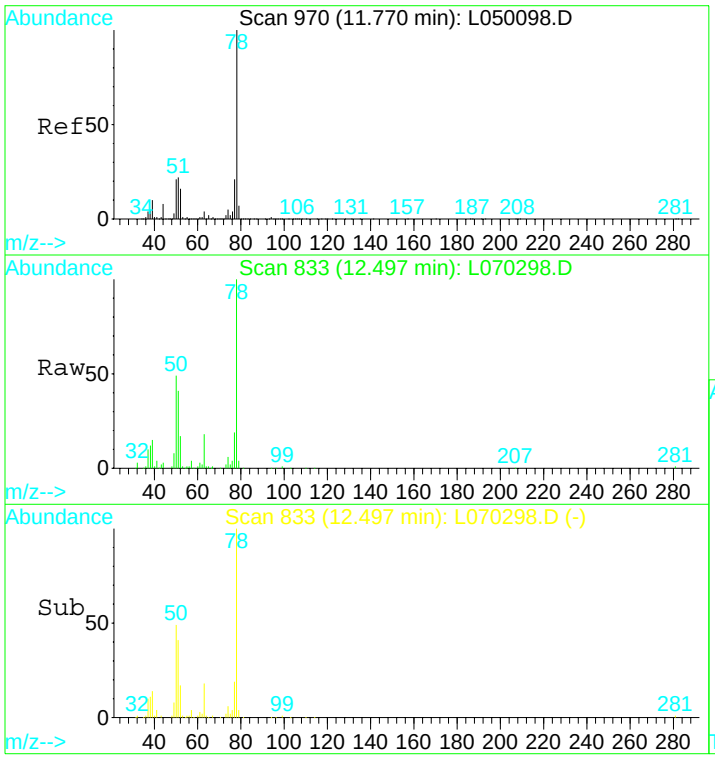


#28
Tetrahydrofuran
Concen: 170.69 PPBV
RT: 11.63 min Scan# 747
Delta R.T. -0.00 min
Lab File: L070298.D
Acq: 11 Jul 2007 2:12 pm

Tgt Ion: 72 Resp: 1244304

Ion	Ratio	Lower	Upper
72	100		
71	98.5	77.0	115.6
42	320.0	234.6	352.0

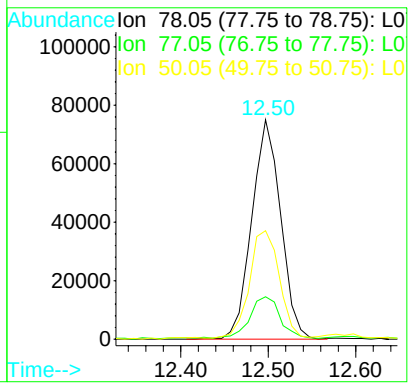


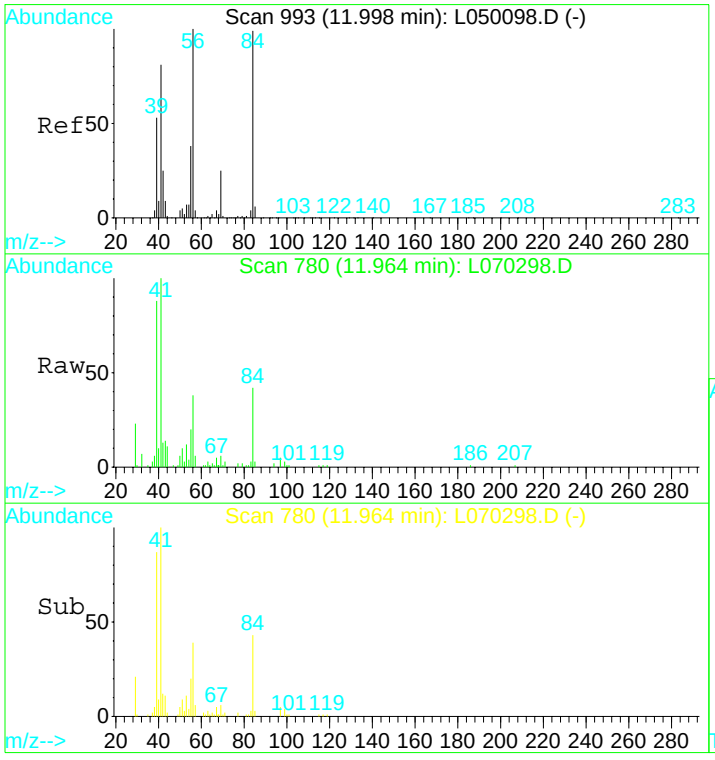


#32
Benzene
Concen: 2.12 PPBV
RT: 12.50 min Scan# 833
Delta R.T. 0.01 min
Lab File: L070298.D
Acq: 11 Jul 2007 2:12 pm

Tgt Ion: 78 Resp: 172485

Ion	Ratio	Lower	Upper
78	100		
77	20.3	21.1	31.7#
50	50.6	18.6	27.8#

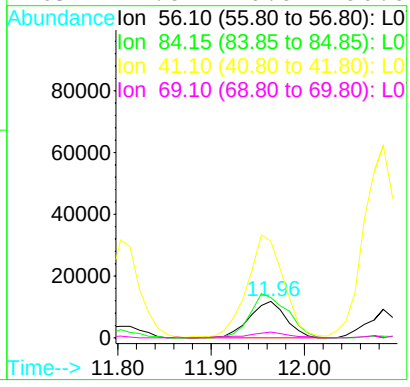


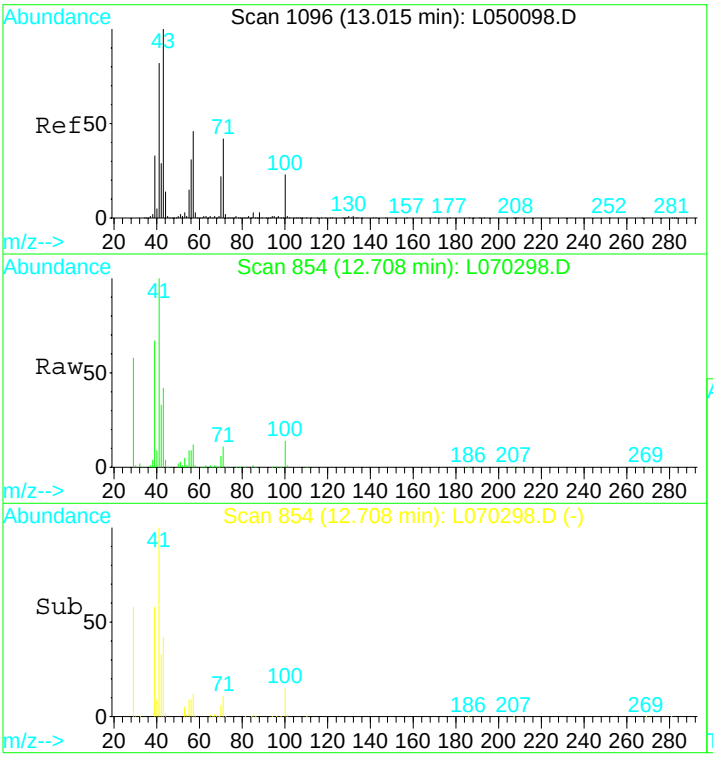


#34
Cyclohexane
Concen: 1.27 PPBV
RT: 11.96 min Scan# 780
Delta R.T. 0.01 min
Lab File: L070298.D
Acq: 11 Jul 2007 2:12 pm

Tgt Ion: 56 Resp: 32344

Ion	Ratio	Lower	Upper
56	100		
84	123.6	89.6	134.4
41	276.6	68.5	102.7#
69	17.5	20.3	30.5#

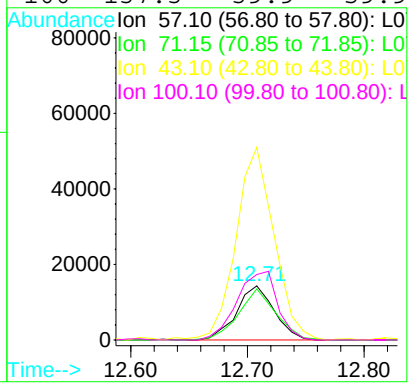


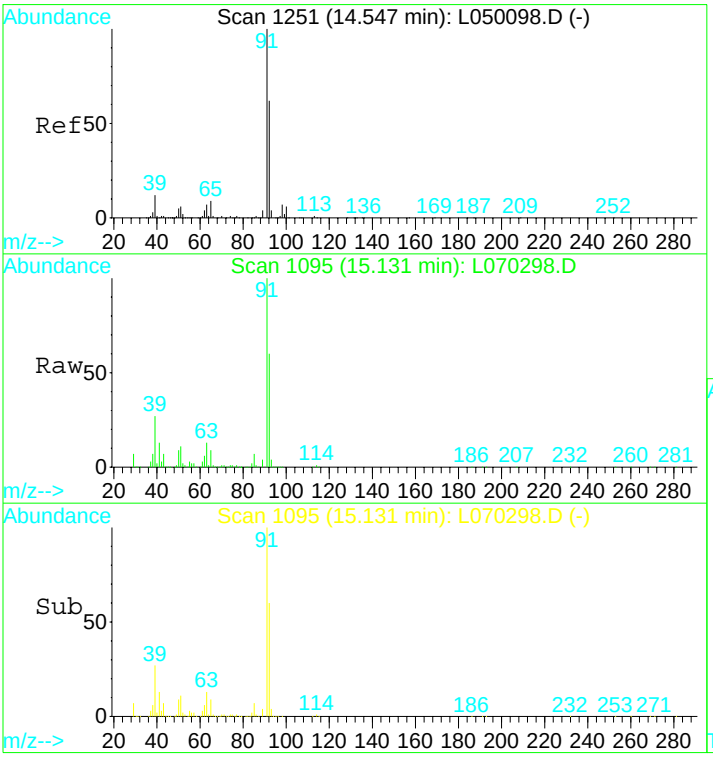


#40
Heptane
Concen: 2.21 PPBV
RT: 12.71 min Scan# 854
Delta R.T. -0.00 min
Lab File: L070298.D
Acq: 11 Jul 2007 2:12 pm

Tgt Ion: 57 Resp: 32065

Ion	Ratio	Lower	Upper
57	100		
71	93.8	73.0	109.4
43	361.7	172.4	258.6#
100	137.3	39.9	59.9#

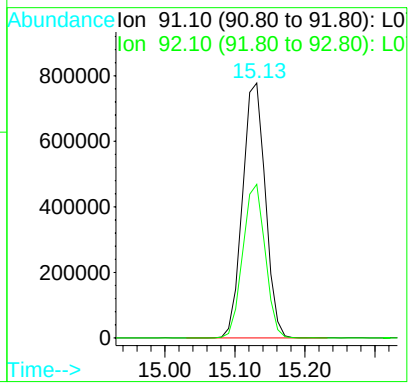


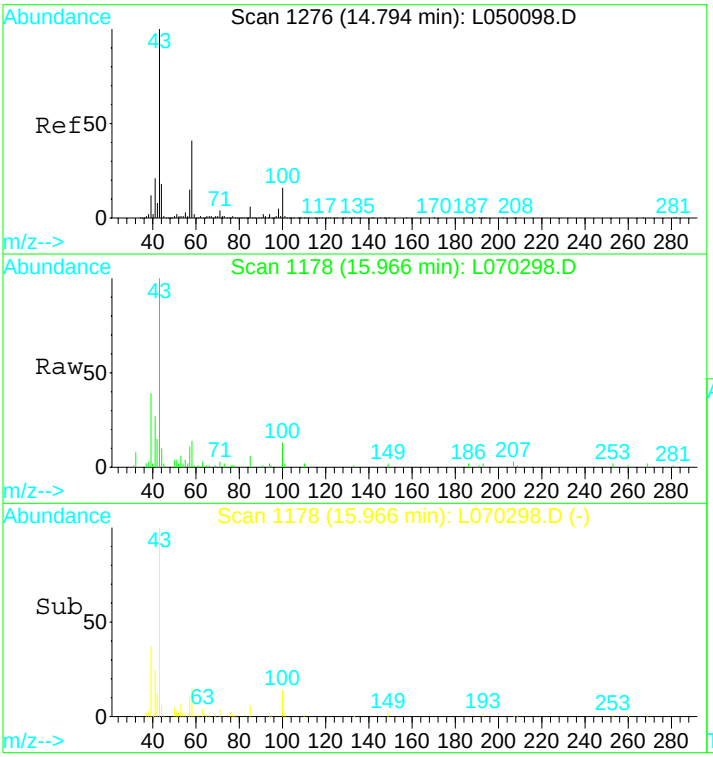


#46
Toluene
Concen: 8.23 PPBV
RT: 15.13 min Scan# 1095
Delta R.T. -0.00 min
Lab File: L070298.D
Acq: 11 Jul 2007 2:12 pm

Tgt Ion: 91 Resp: 1760648

Ion	Ratio	Lower	Upper
91	100		
92	59.1	46.8	70.2

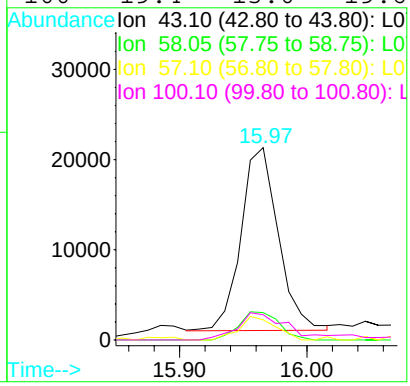


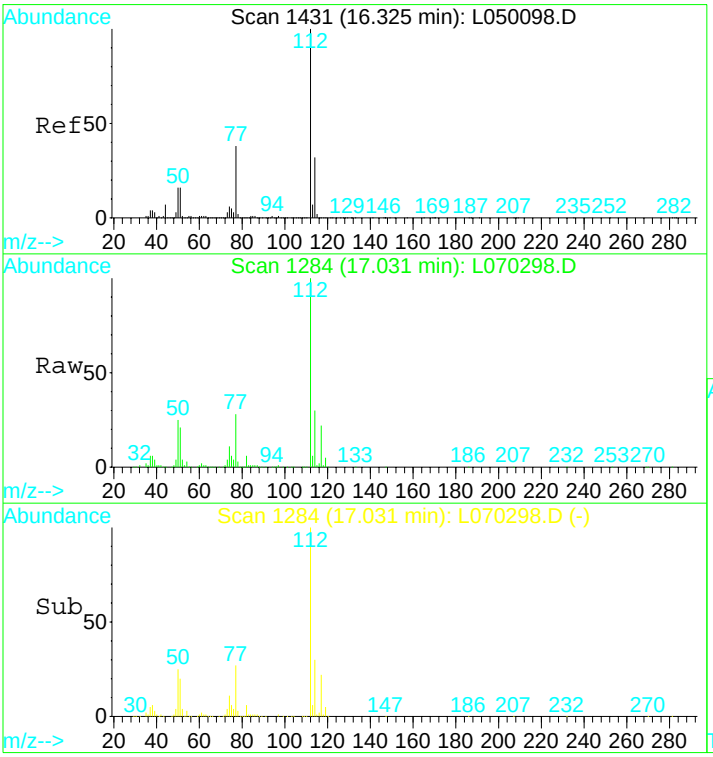


#47
2-Hexanone Methyl butyl ketone)
Concen: 0.47 PPBV
RT: 15.97 min Scan# 1178
Delta R.T. -0.00 min
Lab File: L070298.D
Acq: 11 Jul 2007 2:12 pm

Tgt Ion: 43 Resp: 41594

Ion	Ratio	Lower	Upper
43	100		
58	16.5	32.5	48.7#
57	12.4	12.3	18.5
100	19.4	13.0	19.6

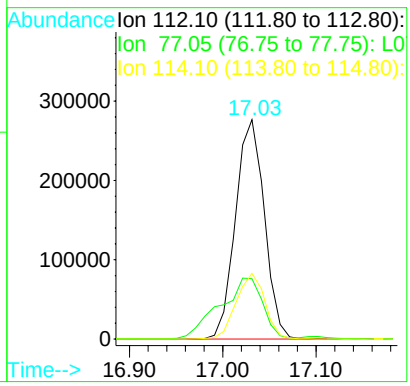


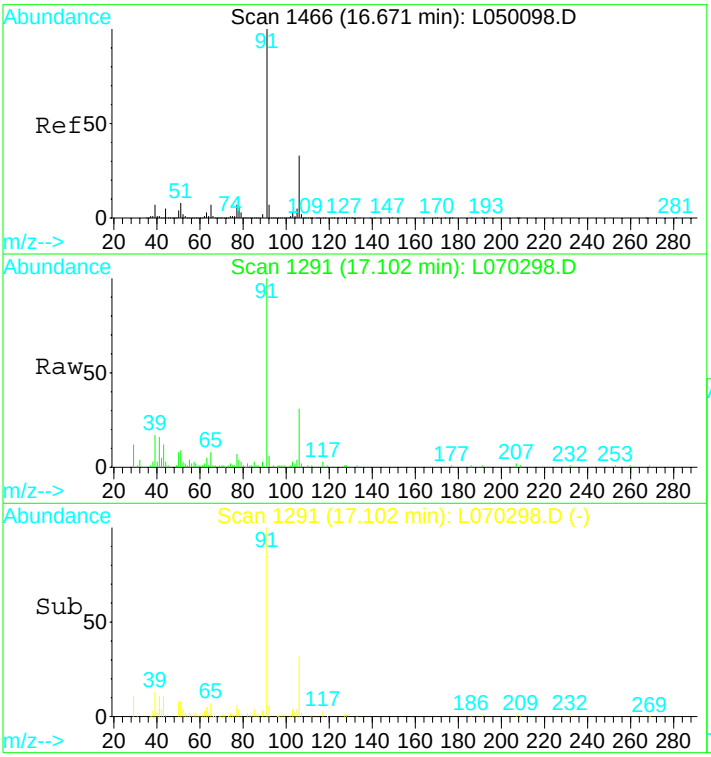


#51
Chlorobenzene
Concen: 2.19 PPBV
RT: 17.03 min Scan# 1284
Delta R.T. -0.00 min
Lab File: L070298.D
Acq: 11 Jul 2007 2:12 pm

Tgt Ion:112 Resp: 595275

Ion	Ratio	Lower	Upper
112	100		
77	41.4	54.6	82.0#
114	29.8	26.6	40.0

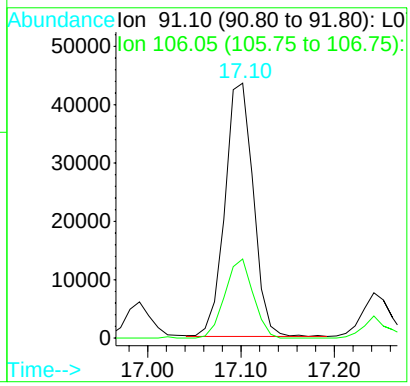




#52
Ethylbenzene
Concen: 0.27 PPBV
RT: 17.10 min Scan# 1291
Delta R.T. -0.00 min
Lab File: L070298.D
Acq: 11 Jul 2007 2:12 pm

Tgt Ion: 91 Resp: 91777

Ion	Ratio	Lower	Upper
91	100		
106	31.1	22.6	34.0



Library Search Compound Report

Data File : M:\MS2007Q3\LURCH\DATA\JUL07\07-11-07\L070298.D Vial: 8
Acq On : 11 Jul 2007 2:12 pm Operator: lag
Sample : WSP-01, 500mL Inst : Lurch
Misc : 1433, 0707-03 Multiplr: 1.00
MS Integration Params: RTEINT.P

Quant Method : M:\MS2007Q1\L...\TO1415.M (RTE Integrator)
Title : TO14
Library : C:\DATABASE\NIST98.L

****
Peak Number 1 Tuaminoheptane Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
5.17	1.08 PPBV	2162000	Bromochloromethane (IS)	11.61

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Tuaminoheptane	115	C7H17N	000123-82-0	32
2	2-Oxetanone, 4,4-dimethyl-	100	C5H8O2	001823-52-5	23
3	Tuaminoheptane	115	C7H17N	000123-82-0	9
4	2-Propenal, 2-methyl-	70	C4H6O	000078-85-3	9
5	Butanal, 3-methyl-	86	C5H10O	000590-86-3	9

Unknown

****
Peak Number 2 Propane Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
5.58	4.66 PPBV	9363770	Bromochloromethane (IS)	11.61

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Propane	44	C3H8	000074-98-6	9
2	Propane	44	C3H8	000074-98-6	9
3	Propane	44	C3H8	000074-98-6	9
4	Acetaldehyde	44	C2H4O	000075-07-0	9
5	Acetaldehyde	44	C2H4O	000075-07-0	9

****
Peak Number 3 Ethanamine, N,N-difluoro- Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
5.91	0.29 PPBV	580369	Bromochloromethane (IS)	11.61

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Ethanamine, N,N-difluoro-	81	C2H5F2N	000758-18-9	4
2	1-Hydroxy-2-butanone	88	C4H8O2	005077-67-8	2
3	Hydroperoxide, 1-methylpentyl	118	C6H14O2	024254-55-5	2
4	Ethanesulfonyl fluoride	112	C2H5FO2S	000754-03-0	2
5	Carbonic acid, dimethyl ester	90	C3H6O3	000616-38-6	2

Library Search Compound Report

Data File : M:\MS2007Q3\LURCH\DATA\JUL07\07-11-07\L070298.D Vial: 8
Acq On : 11 Jul 2007 2:12 pm Operator: lag
Sample : WSP-01, 500mL Inst : Lurch
Misc : 1433, 0707-03 Multiplr: 1.00
MS Integration Params: RTEINT.P

Quant Method : M:\MS2007Q1\L...\TO1415.M (RTE Integrator)
Title : TO14
Library : C:\DATABASE\NIST98.L

****

Peak Number 4 Ethanol Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.44	2.18 PPBV	4380700	Bromochloromethane (IS)	11.61

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Ethanol	46	C2H6O	000064-17-5	9
2	Ethanol	46	C2H6O	000064-17-5	4
3	Ethanol	46	C2H6O	000064-17-5	3
4	Formic acid, propyl ester	88	C4H8O2	000110-74-7	2
5	Acetic acid, hydroxy-	76	C2H4O3	000079-14-1	2

****

Peak Number 5 2-Butenal Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.96	0.33 PPBV	657641	Bromochloromethane (IS)	11.61

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Butenal	70	C4H6O	004170-30-3	45
2	1-Propene, 3,3,3-trifluoro-2-methyl	110	C4H5F3	000374-00-5	45
3	Cyclopropanecarboxylic acid	86	C4H6O2	001759-53-1	45
4	3-Butenoic acid	86	C4H6O2	000625-38-7	45
5	Furan, 2,5-dihydro-	70	C4H6O	001708-29-8	38

****

Peak Number 6 Allyl methallyl ether Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.08	0.32 PPBV	652200	Bromochloromethane (IS)	11.61

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Allyl methallyl ether	112	C7H12O	014289-96-4	40
2	1-Propene, 3,3'-oxybis-	98	C6H10O	000557-40-4	38
3	Methoxyacetonitrile	71	C3H5NO	001738-36-9	12
4	3-Penten-1-ol, 2-methyl-	100	C6H12O	062238-37-3	9
5	Butanal, 3-hydroxy-	88	C4H8O2	000107-89-1	9

Library Search Compound Report

Data File : M:\MS2007Q3\LURCH\DATA\JUL07\07-11-07\L070298.D Vial: 8
Acq On : 11 Jul 2007 2:12 pm Operator: lag
Sample : WSP-01, 500mL Inst : Lurch
Misc : 1433, 0707-03 Multiplr: 1.00
MS Integration Params: RTEINT.P

Quant Method : M:\MS2007Q1\L...\TO1415.M (RTE Integrator)
Title : TO14
Library : C:\DATABASE\NIST98.L

****
Peak Number 7 2-Butanone, 3-methyl- Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.65	0.45 PPBV	415323	1,4-Difluorobenzene (IS)	13.04

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Butanone, 3-methyl-	86	C5H10O	000563-80-4	59
2	2-Butanone, 3-methyl-	86	C5H10O	000563-80-4	53
3	2-Butanone, 3-methyl-	86	C5H10O	000563-80-4	32
4	2,3-Butanedione	86	C4H6O2	000431-03-8	9
5	2-Pentanone	86	C5H10O	000107-87-9	9

****
Peak Number 8 Propane Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.80	0.55 PPBV	499159	1,4-Difluorobenzene (IS)	13.04

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Propane	44	C3H8	000074-98-6	9
2	Propane	44	C3H8	000074-98-6	9
3	1-Propyne, 3,3'-[ethylidenebis(oxy)	138	C8H10O2	002188-15-0	9
4	1-Benzyl-4-nitroimidazole	203	C10H9N3O2	1000224-47-6	9
5	Bis(3-methylbutyl) fluorene-2,7-dis	466	C23H30O6S2	1000222-88-1	9

Unknown

****
Peak Number 9 3-Penten-2-one Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.54	1.16 PPBV	1062510	1,4-Difluorobenzene (IS)	13.04

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	3-Penten-2-one	84	C5H8O	000625-33-2	40
2	Cyclopropane, 1,2,3-trimethyl-	84	C6H12	042984-19-0	35
3	1-Butene, 2,3-dimethyl-	84	C6H12	000563-78-0	27
4	2H-Pyran, 2-(tert-butylthio)tetrahy	174	C9H18OS	001927-53-3	25
5	2-Pentene, 2-methyl-	84	C6H12	000625-27-4	16

Unknown

Library Search Compound Report

Data File : M:\MS2007Q3\LURCH\DATA\JUL07\07-11-07\L070298.D Vial: 8
Acq On : 11 Jul 2007 2:12 pm Operator: lag
Sample : WSP-01, 500mL Inst : Lurch
Misc : 1433, 0707-03 Multiplr: 1.00
MS Integration Params: RTEINT.P

Quant Method : M:\MS2007Q1\L...\TO1415.M (RTE Integrator)
Title : TO14
Library : C:\DATABASE\NIST98.L

****
Peak Number 10 Cyclotrisiloxane, hexamethyl- Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.37	0.42 PPBV	505149	Chlorobenzene-d5 (IS)	16.99

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclotrisiloxane, hexamethyl-	222	C6H18O3Si3	000541-05-9	90
2	Silane, 1,4-phenylenebis[trimethyl-	222	C12H22Si2	013183-70-5	78
3	2,4,6-Cycloheptatrien-1-one, 3,5-bi	250	C13H22OSi2	1000161-21-8	72
4	Arsenous acid, tris(trimethylsilyl)	342	C9H27AsO3Si3	055429-29-3	72
5	1,2-Benzenediol, 3,5-bis(1,1-dimeth	222	C14H22O2	001020-31-1	59

****
Peak Number 11 Benzene, (1-methylethyl)- Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.23	0.62 PPBV	741086	Chlorobenzene-d5 (IS)	16.99

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, (1-methylethyl)-	120	C9H12	000098-82-8	83
2	Benzene, (1-methylethyl)-	120	C9H12	000098-82-8	83
3	Benzene, (1-methylethyl)-	120	C9H12	000098-82-8	81
4	Benzene, 1,2,4-trimethyl-	120	C9H12	000095-63-6	80
5	Benzene, 1,2,3-trimethyl-	120	C9H12	000526-73-8	78

Substituted benzene

****
Peak Number 12 2-Pentene, (Z)- Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.48	6.81 PPBV	8095180	Chlorobenzene-d5 (IS)	16.99

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Pentene, (Z)-	70	C5H10	000627-20-3	72
2	4,5-Dihydro-2-methylimidazole-4-one	98	C4H6N2O	1000128-69-3	72
3	2-Butenal, 2-ethyl-	98	C6H10O	019780-25-7	64
4	1-Propene, 3-azido-	83	C3H5N3	000821-13-6	53
5	1,3-Cyclopentanedione	98	C5H6O2	003859-41-4	47

Library Search Compound Report

Data File : M:\MS2007Q3\LURCH\DATA\JUL07\07-11-07\L070298.D Vial: 8
Acq On : 11 Jul 2007 2:12 pm Operator: lag
Sample : WSP-01, 500mL Inst : Lurch
Misc : 1433, 0707-03 Multiplr: 1.00
MS Integration Params: RTEINT.P

Quant Method : M:\MS2007Q1\L...\TO1415.M (RTE Integrator)
Title : TO14
Library : C:\DATABASE\NIST98.L

****
Peak Number 13 Butane Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.97	0.38 PPBV	448146	Chlorobenzene-d5 (IS)	16.99

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Butane	58	C4H10	000106-97-8	47
2	Heptane, 2,3-dimethyl-	128	C9H20	003074-71-3	35
3	Butane	58	C4H10	000106-97-8	28
4	3-Hexanone, 2-methyl-	114	C7H14O	007379-12-6	17
5	2-Undecene, 8-methyl-, (Z)-	168	C12H24	074630-44-7	17

Unknown

Tentatively Identified Compound (LSC) summary

Operator ID: lag Date Acquired: 11 Jul 2007 2:12 pm
Data File: M:\MS2007Q3\LURCH\DATA\JUL07\07-11-07\L070298.D
Name: WSP-01, 500mL
Misc: 1433, 0707-03
Method: M:\MS2007Q1\LURCH\METHODS\TO1415.M (RTE Integrator)
Title: TO14
Library Searched: C:\DATABASE\NIST98.L

TIC Top Hit name	RT	EstConc	Units	Area	IntStd	ISRT	ISArea	ISConc
Tuaminoheptane	5.17	1.1	PPBV	2162000	ISTD01	11.61	40610000	20.2
Propane	5.58	4.7	PPBV	9363770	ISTD01	11.61	40610000	20.2
Ethanamine, N,N-difl	5.91	0.3	PPBV	580369	ISTD01	11.61	40610000	20.2
Ethanol	7.44	2.2	PPBV	4380700	ISTD01	11.61	40610000	20.2
2-Butenal	10.96	0.3	PPBV	657641	ISTD01	11.61	40610000	20.2
Allyl methallyl ethe	12.08	0.3	PPBV	652200	ISTD01	11.61	40610000	20.2
2-Butanone, 3-methyl	13.65	0.5	PPBV	415323	ISTD02	13.04	18272500	20.0
Propane	13.80	0.5	PPBV	499159	ISTD02	13.04	18272500	20.0
3-Penten-2-one	14.54	1.2	PPBV	1062510	ISTD02	13.04	18272500	20.0
Cyclotrisiloxane, he	15.37	0.4	PPBV	505149	ISTD03	16.99	24257600	20.4
Benzene, (1-methylet	18.23	0.6	PPBV	741086	ISTD03	16.99	24257600	20.4
2-Pentene, (Z)-	18.48	6.8	PPBV	8095180	ISTD03	16.99	24257600	20.4
Butane	18.97	0.4	PPBV	448146	ISTD03	16.99	24257600	20.4

L070298.D TO1415.M Thu Jul 12 12:42:22 2007

Library Search Compound Report

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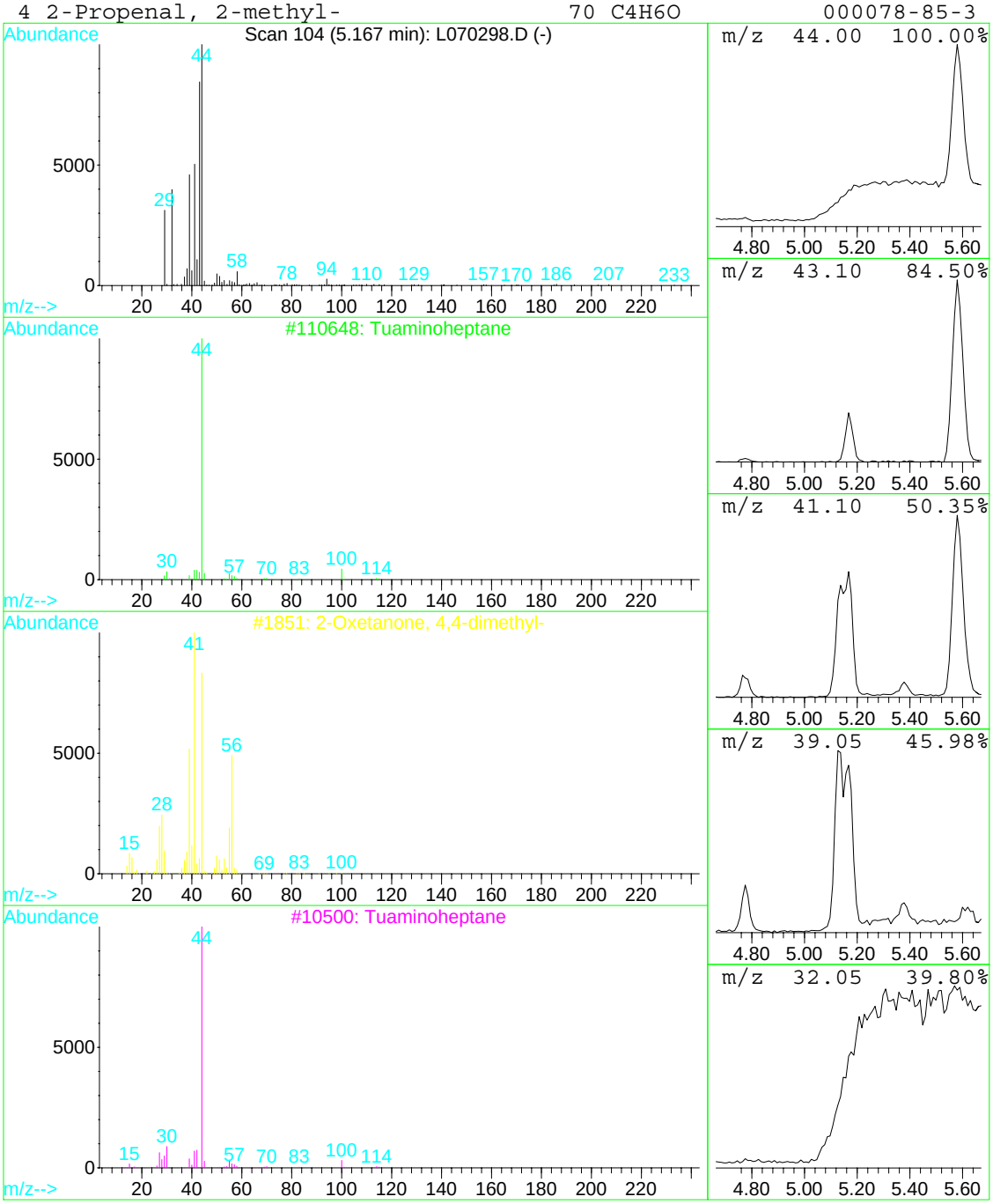
  Data File : M:\MS2007Q3\LURCH\DATA\JUL07\07-11-07\L070298.D Vial: 8
  Acq On    : 11 Jul 2007   2:12 pm                    Operator: lag
  Sample    : WSP-01, 500mL                            Inst    : Lurch
  Misc      : 1433, 0707-03                            Multiplr: 1.00
  MS Integration Params: RTEINT.P

  Quant Method : M:\MS2007Q1\L...\TO1415.M (RTE Integrator)
  Title        : TO14
  Library      : C:\DATABASE\NIST98.L
**********************************************************************
Peak Number  1  Tuaminoheptane                  Concentration Rank  5
```

R.T.	EstConc	Area	Relative to ISTD	R.T.
5.17	1.08 PPBV	2162000	Bromochloromethane (IS)	11.61

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Tuaminoheptane	115	C7H17N	000123-82-0	32
2	2-Oxetanone, 4,4-dimethyl-	100	C5H8O2	001823-52-5	23
3	Tuaminoheptane	115	C7H17N	000123-82-0	9
4	2-Propenal, 2-methyl-	70	C4H6O	000078-85-3	9



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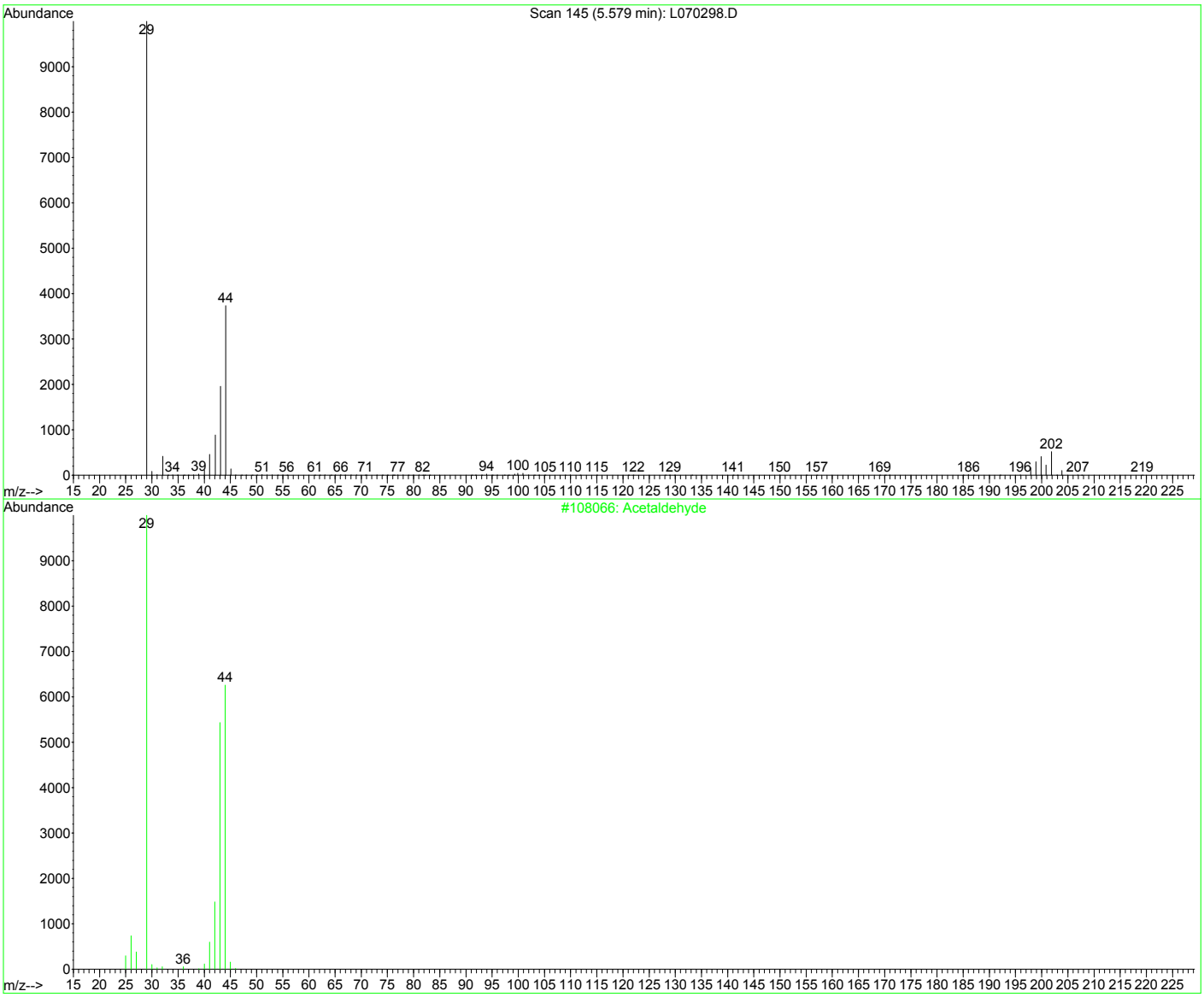


Data File : M:\MS2007Q3\LURCH\DATA\JUL07\07-11-07\L070298.D Vial: 8
Acq On : 11 Jul 2007 2:12 pm Operator: lag
Sample : WSP-01, 500mL Inst : Lurch
Misc : 1433, 0707-03 Multiplr: 1.00
MS Integration Params: RTEINT.P

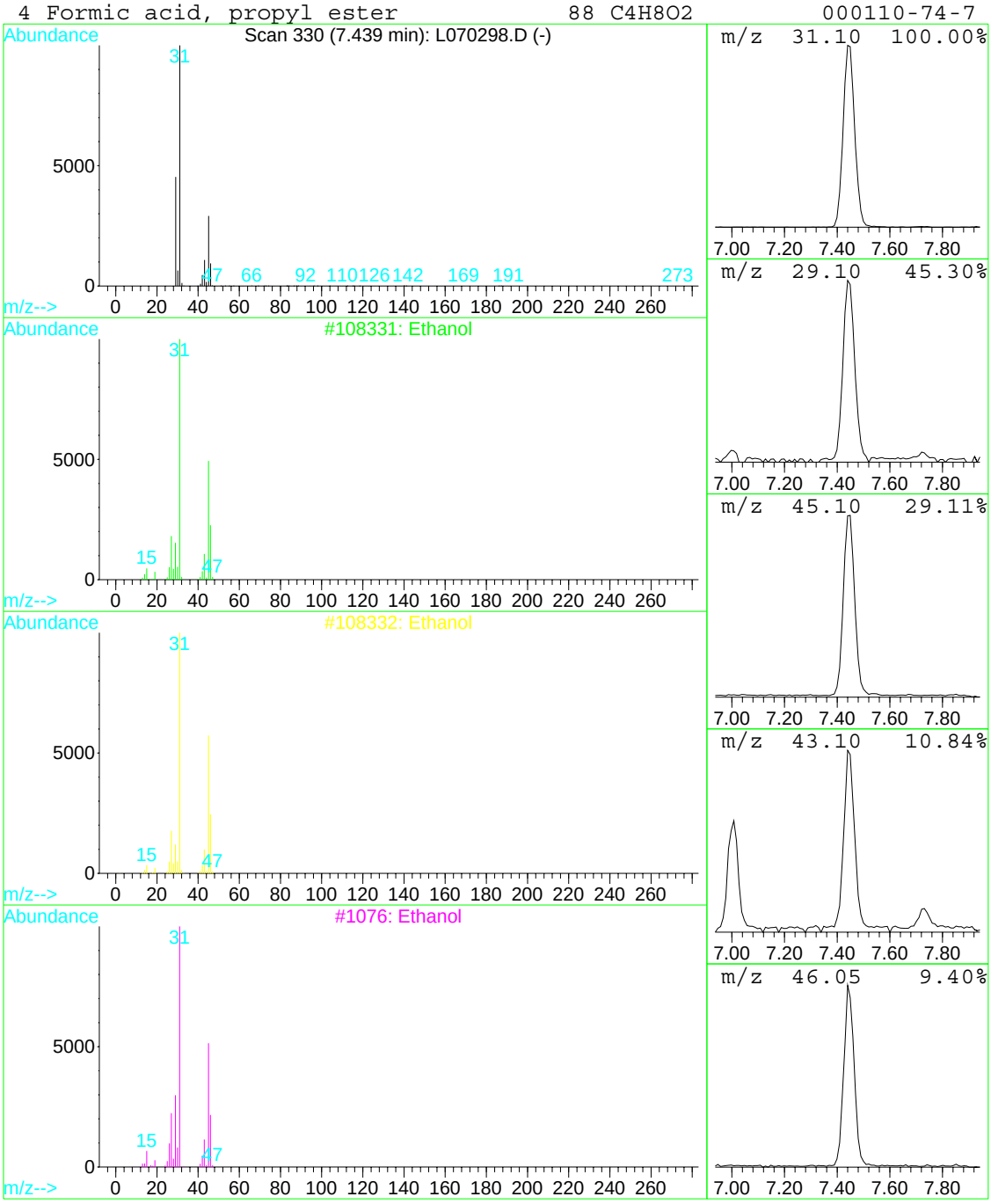
Quant Method : M:\MS2007Q1\L...\TO1415.M (RTE Integrator)
Title : TO14
Library : C:\DATABASE\NIST98.L

****

Peak Number 4 Ethanol Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.44	2.18 PPBV	4380700	Bromochloromethane (IS)	11.61

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Ethanol	46	C2H6O	000064-17-5	9
2	Ethanol	46	C2H6O	000064-17-5	4
3	Ethanol	46	C2H6O	000064-17-5	3
4	Formic acid, propyl ester	88	C4H8O2	000110-74-7	2



Library Search Compound Report

Data File : M:\MS2007Q3\LURCH\DATA\JUL07\07-11-07\L070298.D Vial: 8
Acq On : 11 Jul 2007 2:12 pm Operator: lag
Sample : WSP-01, 500mL Inst : Lurch
Misc : 1433, 0707-03 Multiplr: 1.00
MS Integration Params: RTEINT.P

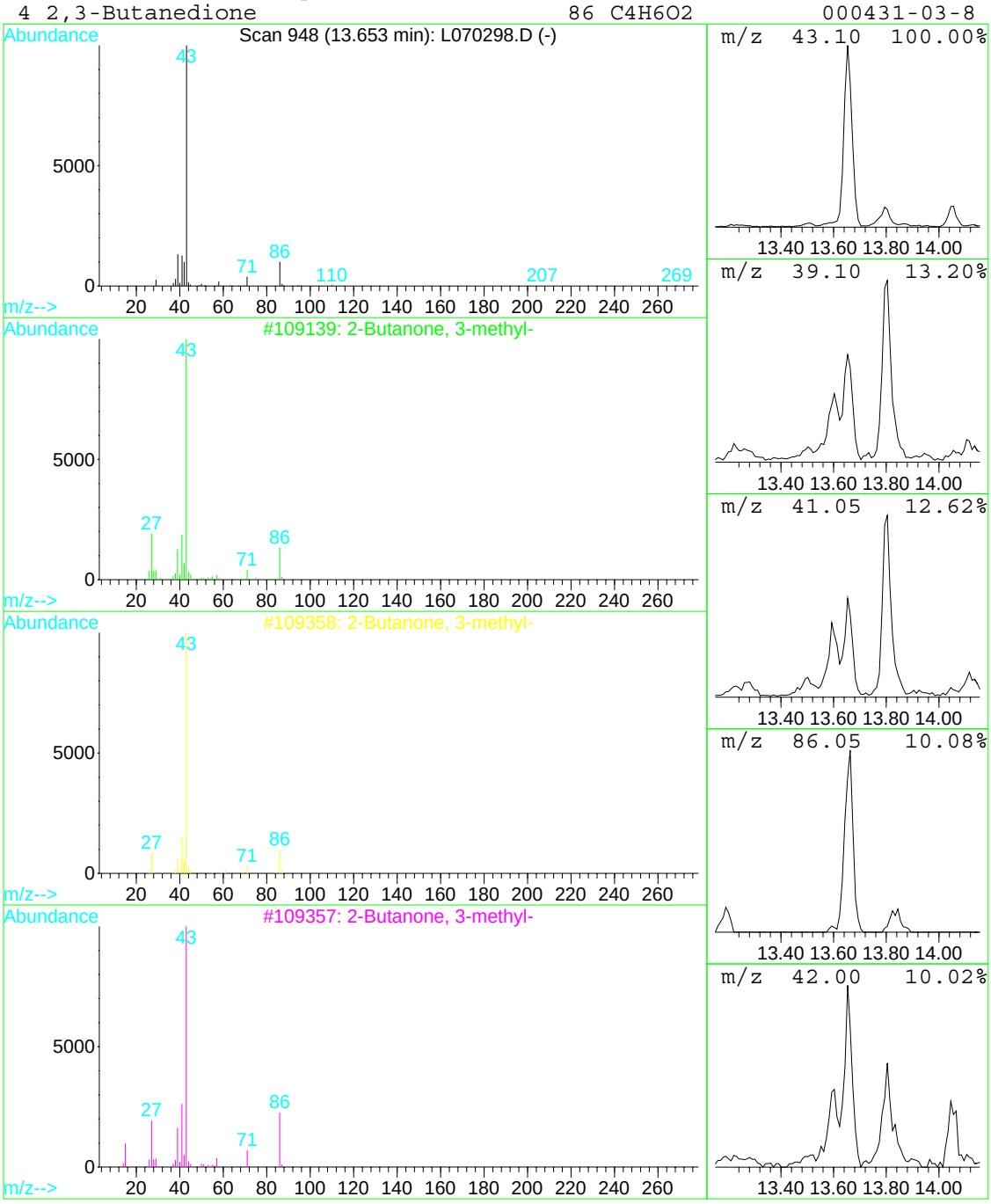
Quant Method : M:\MS2007Q1\L...\TO1415.M (RTE Integrator)
Title : TO14
Library : C:\DATABASE\NIST98.L

****

Peak Number 7 2-Butanone, 3-methyl- Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.65	0.45 PPBV	415323	1,4-Difluorobenzene (IS)	13.04

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Butanone, 3-methyl-	86	C5H10O	000563-80-4	59
2	2-Butanone, 3-methyl-	86	C5H10O	000563-80-4	53
3	2-Butanone, 3-methyl-	86	C5H10O	000563-80-4	32
4	2,3-Butanedione	86	C4H6O2	000431-03-8	9



Data File : M:\MS2007Q3\LURCH\DATA\JUL07\07-11-07\L070298.D Vial: 8
Acq On : 11 Jul 2007 2:12 pm Operator: lag
Sample : WSP-01, 500mL Inst : Lurch
Misc : 1433, 0707-03 Multiplr: 1.00
MS Integration Params: RTEINT.P

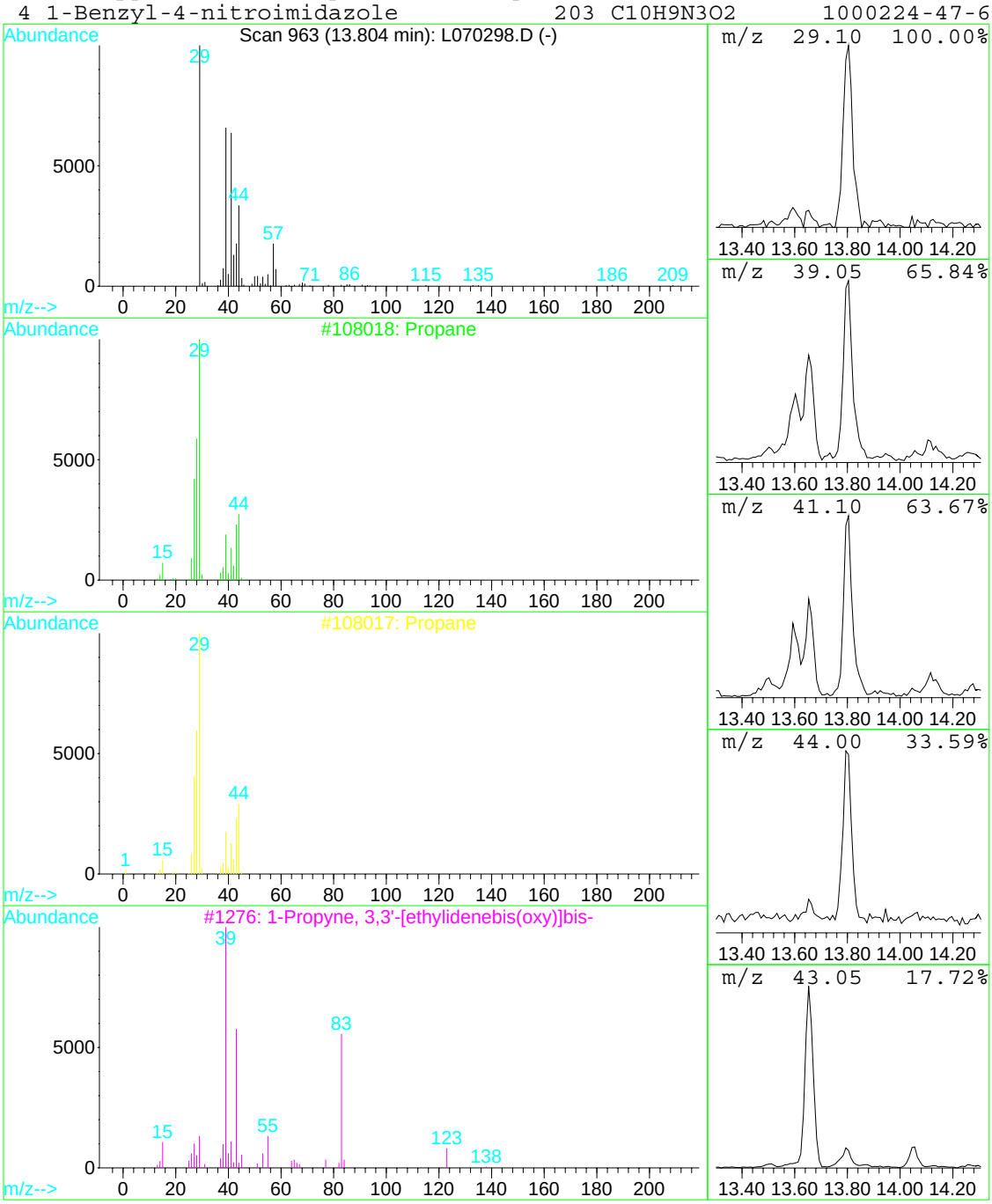
Quant Method : M:\MS2007Q1\L...\TO1415.M (RTE Integrator)
Title : TO14
Library : C:\DATABASE\NIST98.L

****

Peak Number 8 Propane Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.80	0.55 PPBV	499159	1,4-Difluorobenzene (IS)	13.04

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Propane	44	C3H8	000074-98-6	9
2	Propane	44	C3H8	000074-98-6	9
3	1-Propyne, 3,3'-[ethylidenebis(oxy)	138	C8H10O2	002188-15-0	9
4	1-Benzyl-4-nitroimidazole	203	C10H9N3O2	1000224-47-6	9



Library Search Compound Report

Data File : M:\MS2007Q3\LURCH\DATA\JUL07\07-11-07\L070298.D Vial: 8
Acq On : 11 Jul 2007 2:12 pm Operator: lag
Sample : WSP-01, 500mL Inst : Lurch
Misc : 1433, 0707-03 Multiplr: 1.00
MS Integration Params: RTEINT.P

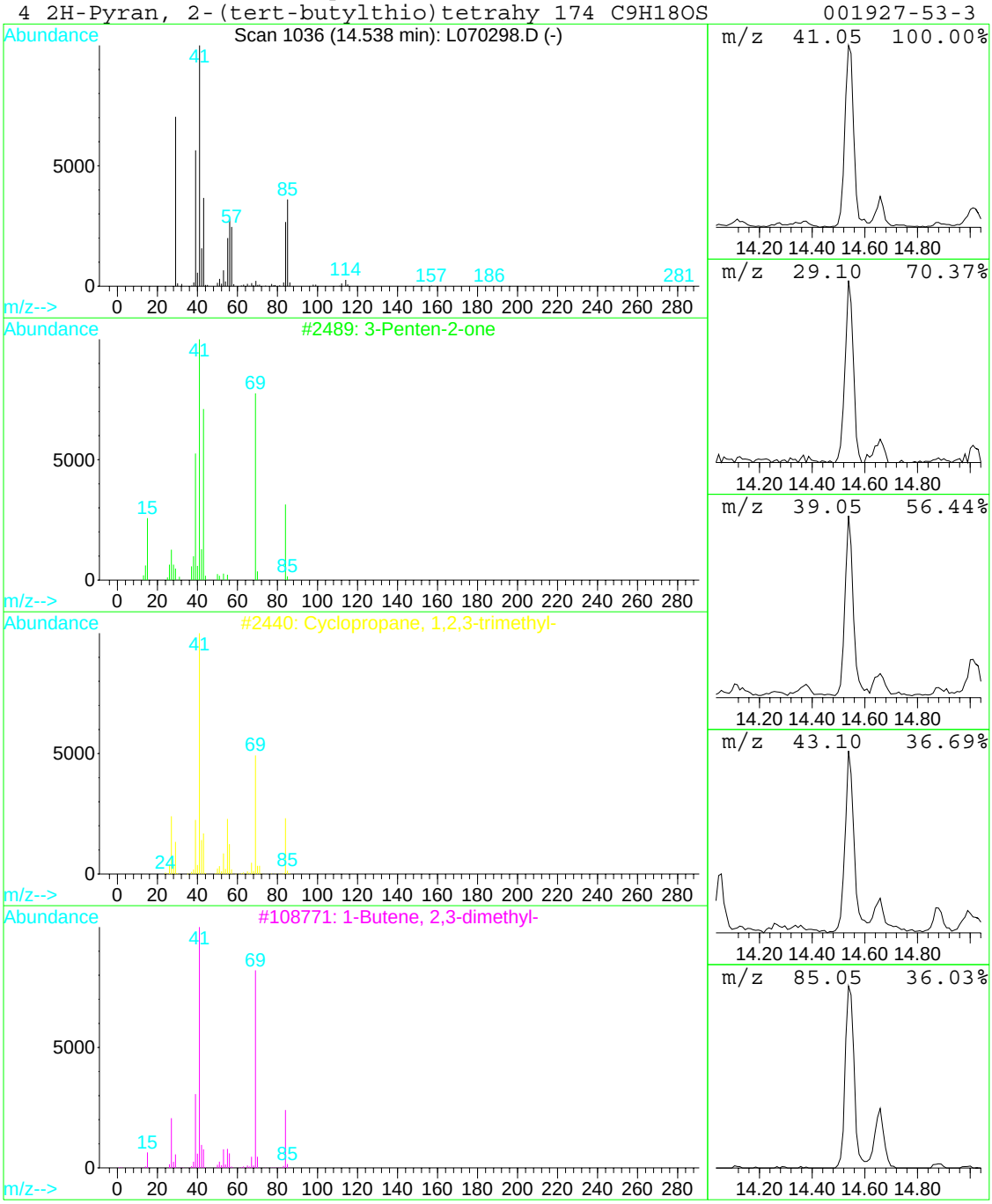
Quant Method : M:\MS2007Q1\L...\TO1415.M (RTE Integrator)
Title : TO14
Library : C:\DATABASE\NIST98.L

****

Peak Number 9 3-Penten-2-one Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.54	1.16 PPBV	1062510	1,4-Difluorobenzene (IS)	13.04

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	3-Penten-2-one	84	C5H8O	000625-33-2	40
2	Cyclopropane, 1,2,3-trimethyl-	84	C6H12	042984-19-0	35
3	1-Butene, 2,3-dimethyl-	84	C6H12	000563-78-0	27
4	2H-Pyran, 2-(tert-butylthio)tetrahy	174	C9H18OS	001927-53-3	25



Library Search Compound Report

Data File : M:\MS2007Q3\LURCH\DATA\JUL07\07-11-07\L070298.D Vial: 8
Acq On : 11 Jul 2007 2:12 pm Operator: lag
Sample : WSP-01, 500mL Inst : Lurch
Misc : 1433, 0707-03 Multiplr: 1.00
MS Integration Params: RTEINT.P

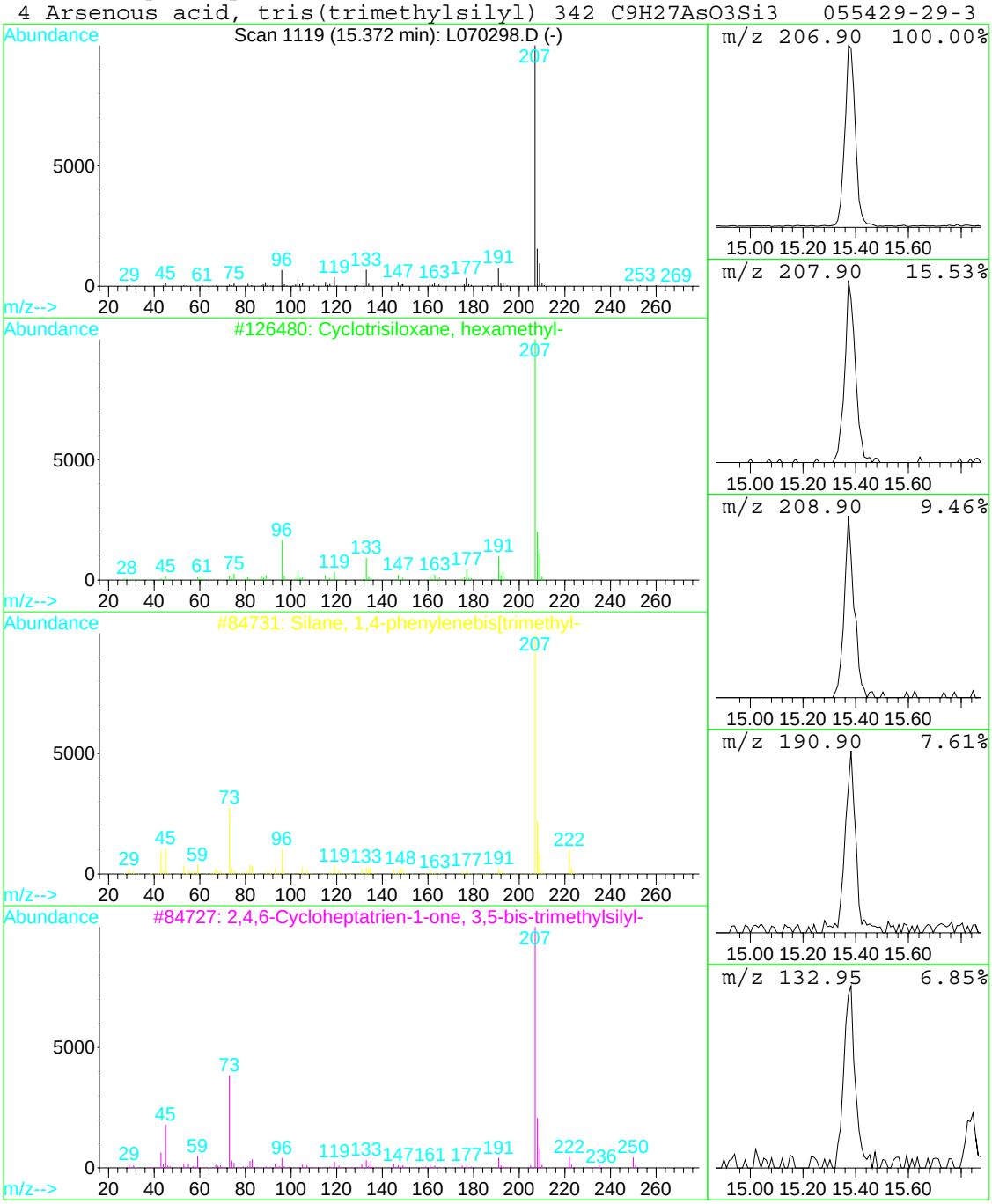
Quant Method : M:\MS2007Q1\L...\TO1415.M (RTE Integrator)
Title : TO14
Library : C:\DATABASE\NIST98.L

****

Peak Number 10 Cyclotrisiloxane, hexamethyl- Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.37	0.42 PPBV	505149	Chlorobenzene-d5 (IS)	16.99

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclotrisiloxane, hexamethyl-	222	C6H18O3Si3	000541-05-9	90
2	Silane, 1,4-phenylenebis[trimethyl-	222	C12H22Si2	013183-70-5	78
3	2,4,6-Cycloheptatrien-1-one, 3,5-bi	250	C13H22OSi2	1000161-21-8	72
4	Arsenous acid, tris(trimethylsilyl)	342	C9H27AsO3Si3	055429-29-3	72



Data File : M:\MS2007Q3\LURCH\DATA\JUL07\07-11-07\L070298.D Vial: 8
Acq On : 11 Jul 2007 2:12 pm Operator: lag
Sample : WSP-01, 500mL Inst : Lurch
Misc : 1433, 0707-03 Multiplr: 1.00
MS Integration Params: RTEINT.P

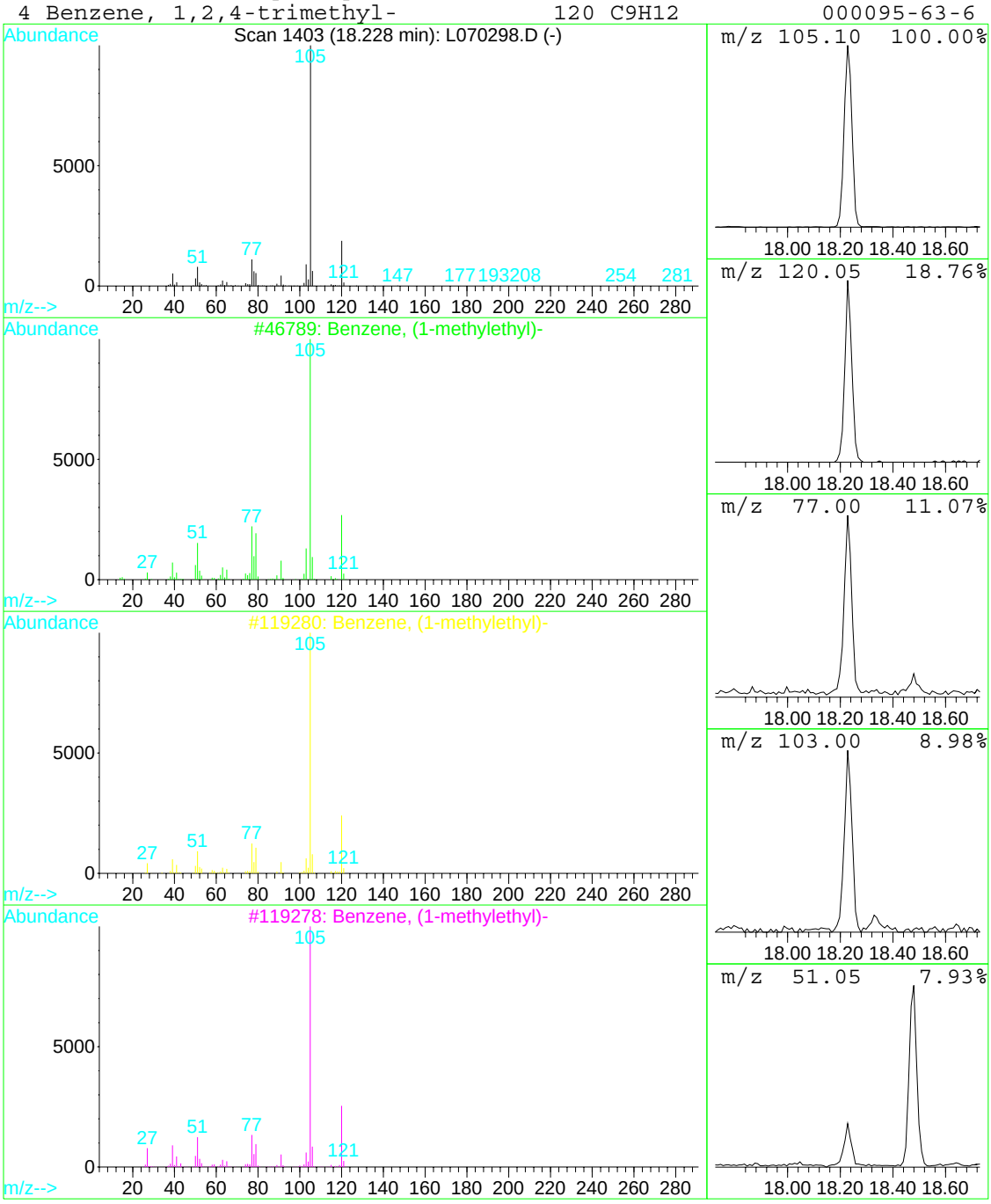
Quant Method : M:\MS2007Q1\L...\TO1415.M (RTE Integrator)
Title : TO14
Library : C:\DATABASE\NIST98.L

****

Peak Number 11 Benzene, (1-methylethyl)- Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.23	0.62 PPBV	741086	Chlorobenzene-d5 (IS)	16.99

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, (1-methylethyl)-	120	C9H12	000098-82-8	83
2	Benzene, (1-methylethyl)-	120	C9H12	000098-82-8	83
3	Benzene, (1-methylethyl)-	120	C9H12	000098-82-8	81
4	Benzene, 1,2,4-trimethyl-	120	C9H12	000095-63-6	80



Library Search Compound Report

Data File : M:\MS2007Q3\LURCH\DATA\JUL07\07-11-07\L070298.D Vial: 8
Acq On : 11 Jul 2007 2:12 pm Operator: lag
Sample : WSP-01, 500mL Inst : Lurch
Misc : 1433, 0707-03 Multiplr: 1.00
MS Integration Params: RTEINT.P

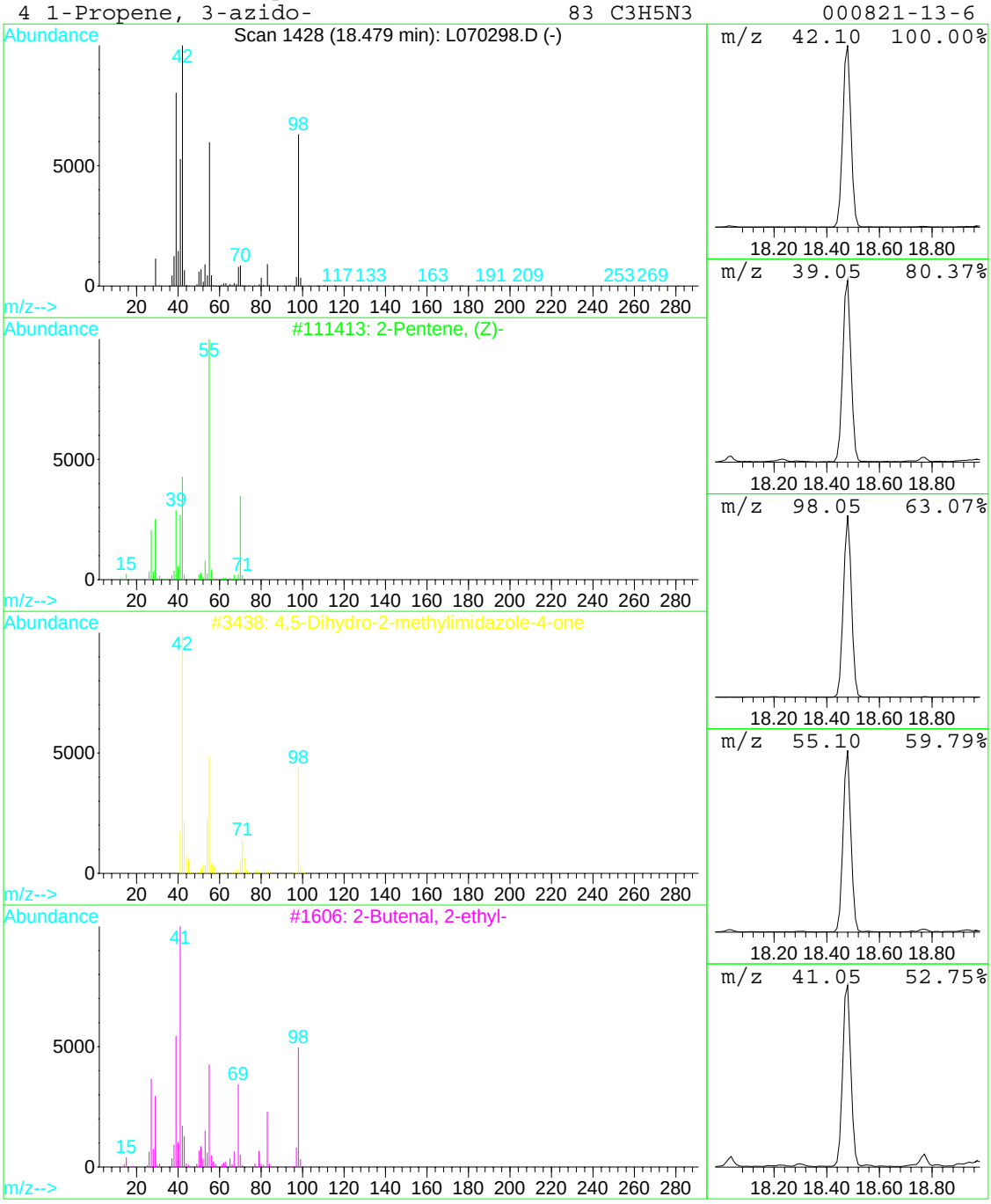
Quant Method : M:\MS2007Q1\L...\TO1415.M (RTE Integrator)
Title : TO14
Library : C:\DATABASE\NIST98.L

****

Peak Number 12 2-Pentene, (Z)- Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.48	6.81 PPBV	8095180	Chlorobenzene-d5 (IS)	16.99

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Pentene, (Z)-	70	C5H10	000627-20-3	72
2	4,5-Dihydro-2-methylimidazole-4-one	98	C4H6N2O	1000128-69-3	72
3	2-Butenal, 2-ethyl-	98	C6H10O	019780-25-7	64
4	1-Propene, 3-azido-	83	C3H5N3	000821-13-6	53



Data File : M:\MS2007Q3\LURCH\DATA\JUL07\07-11-07\L070298.D Vial: 8
Acq On : 11 Jul 2007 2:12 pm Operator: lag
Sample : WSP-01, 500mL Inst : Lurch
Misc : 1433, 0707-03 Multiplr: 1.00
MS Integration Params: RTEINT.P

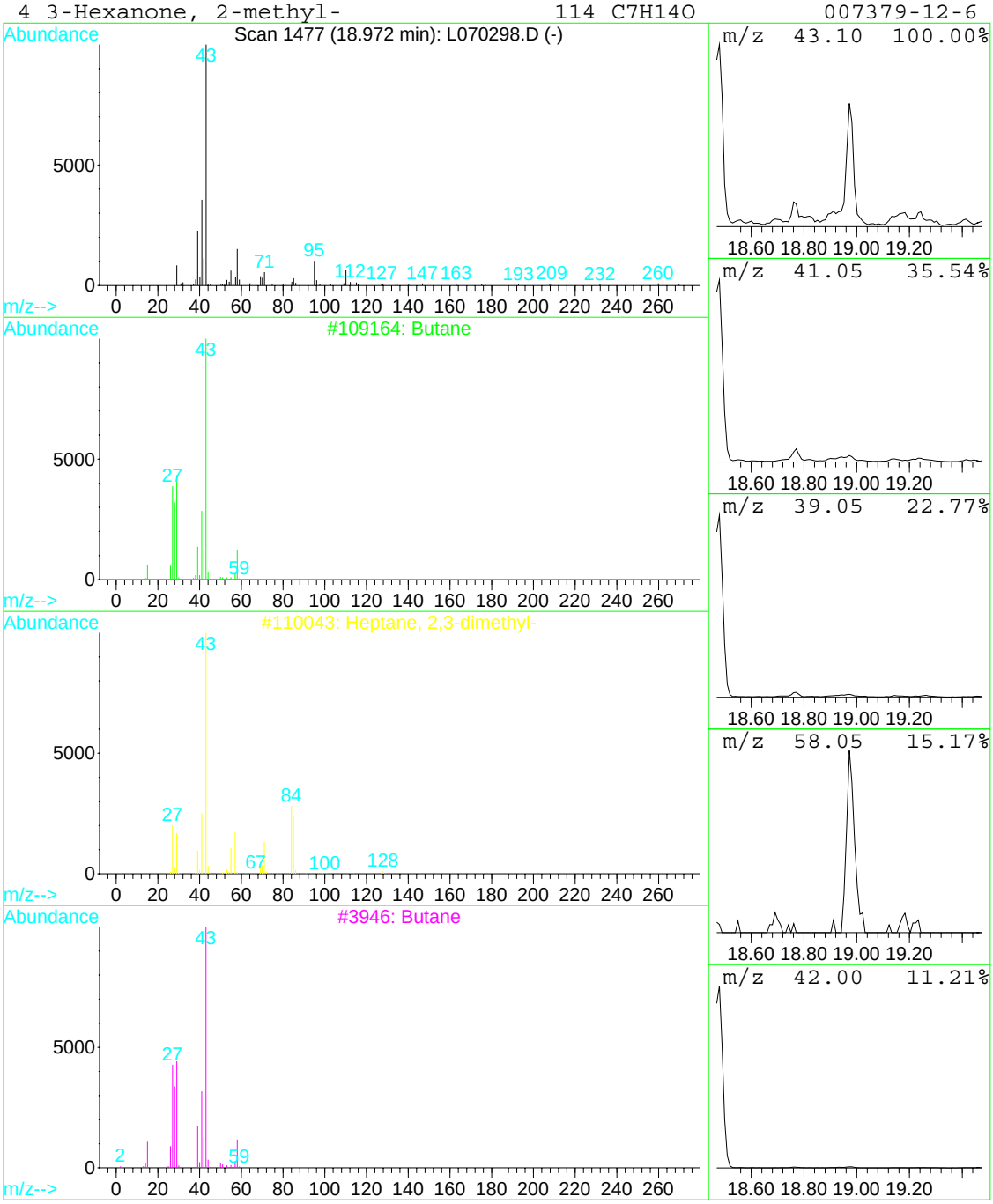
Quant Method : M:\MS2007Q1\L...\TO1415.M (RTE Integrator)
Title : TO14
Library : C:\DATABASE\NIST98.L

****

Peak Number 13 Butane Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.97	0.38 PPBV	448146	Chlorobenzene-d5 (IS)	16.99

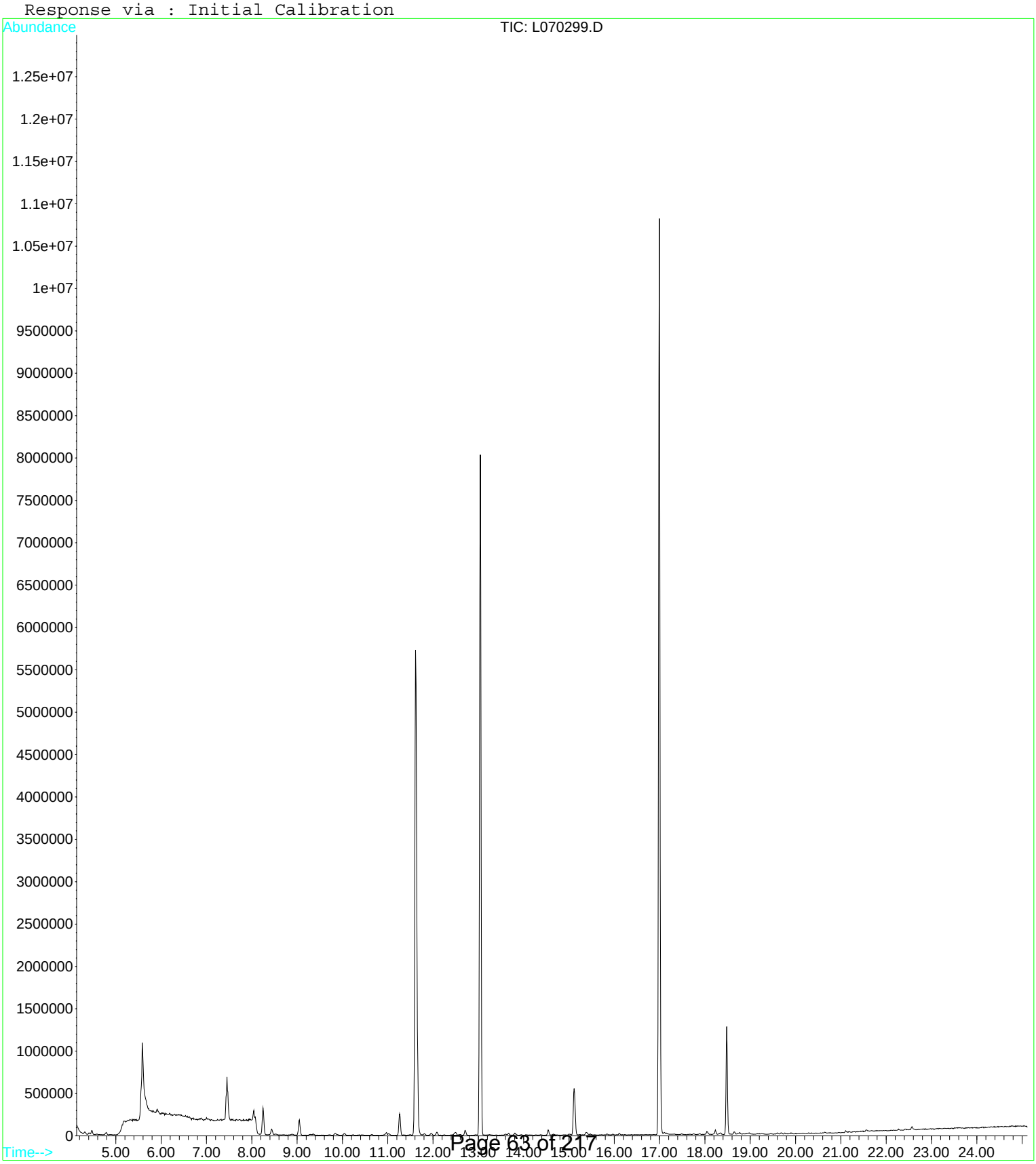
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Butane	58	C4H10	000106-97-8	47
2	Heptane, 2,3-dimethyl-	128	C9H20	003074-71-3	35
3	Butane	58	C4H10	000106-97-8	28
4	3-Hexanone, 2-methyl-	114	C7H14O	007379-12-6	17



Quantitation Report

Data File : M:\MS2007Q3\LURCH\DATA\JUL07\07-11-07\L070299.D Vial: 9
Acq On : 11 Jul 2007 2:53 pm Operator: lag
Sample : WSP-01, 100mL Inst : Lurch
Misc : 1433, 0707-03, df=5* Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Jul 11 15:54 2007 Quant Results File: TO1415.RES

Method : M:\MS2007Q1\LURCH\METHODS\TO1415.M (RTE Integrator)
Title : TO14
Last Update : Tue Apr 17 17:01:10 2007
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data File : M:\MS2007Q3\LURCH\DATA\JUL07\07-11-07\L070299.D Vial: 9
Acq On : 11 Jul 2007 2:53 pm Operator: lag
Sample : WSP-01, 100mL Inst : Lurch
Misc : 1433, 0707-03, df=5* Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Jul 11 15:54 2007 Quant Results File: TO1415.RES

Quant Method : M:\MS2007Q1\L...\TO1415.M (RTE Integrator)
Title : TO14
Last Update : Tue Apr 17 17:01:10 2007
Response via : Initial Calibration
DataAcq Meth : MM-624C

Internal Standards	R.T.	QIon	Response	Conc Units	Dev(Min)
1) Bromochloromethane (IS)	11.61	130	2007889	20.20 PPBV	0.00
31) 1,4-Difluorobenzene (IS)	13.04	114	8228694	20.00 PPBV	0.00
45) Chlorobenzene-d5 (IS)	16.99	117	7401508	20.40 PPBV	0.00
Target Compounds					Qvalue
2) propylene	0.00	41	0	N.D. d	
3) Freon12(CCl2F2)	0.00	85	0	N.D. d	
4) Chloromethane	0.00	50	0	N.D.	
5) Freon 114 (C2Cl2F4)	0.00	85	0	N.D.	
6) Chloroethene	0.00	62	0	N.D. d	
7) 1,3-Butadiene	0.00	39	0	N.D. d	
8) Bromomethane	0.00	94	0	N.D. d	
9) Chloroethane	0.00	64	0	N.D.	
10) Bromoethene	0.00	106	0	N.D.	
11) Acetone	8.25	43	610726	5.08 PPBV #	85
12) Freon 11 (CCl3F)	0.00	101	0	N.D. d	
13) Isopropyl alcohol	0.00	45	0	N.D. d	
14) 1,1-Dichloroethene	0.00	61	0	N.D.	
15) Methylene chloride	9.05	49	117587	1.66 PPBV #	73
16) Allyl chloride	0.00	76	0	N.D.	
17) Freon 113 (C2Cl3F3)	0.00	151	0	N.D.	
18) Carbon disulfide	0.00	76	0	N.D. d	
19) trans-1,2-Dichloroethene	0.00	61	0	N.D.	
20) 1,1-Dichloroethane	0.00	63	0	N.D.	
21) Methyl tert-butyl ether	0.00	73	0	N.D.	
22) Vinyl acetate	0.00	43	0	N.D.	
23) Methyl ethyl ketone (2-But	11.26	72	19220	2.81 PPBV #	1
24) cis-1,2-Dichloroethylene	0.00	61	0	N.D.	
25) Hexane	0.00	57	0	N.D. d	
26) Ethyl acetate	0.00	45	0	N.D. d	
27) Chloroform	0.00	83	0	N.D. d	
28) Tetrahydrofuran	11.64	72	127380	17.32 PPBV #	63
29) 1,2-Dichloroethane	0.00	62	0	N.D. d	
30) 1,1,1-Trichloroethane	0.00	97	0	N.D. d	
32) Benzene	0.00	78	0	N.D. d	
33) Carbon tetrachloride	0.00	117	0	N.D.	
34) Cyclohexane	0.00	56	0	N.D. d	
35) 1,2-Dichloropropane	0.00	63	0	N.D.	
36) Bromodichloromethane	0.00	83	0	N.D.	
37) 2,2,4-Trimethylpentane	0.00	57	0	N.D. d	
38) Trichloroethene	0.00	130	0	N.D.	
39) 1,4-Dioxane	0.00	88	0	N.D.	
40) Heptane	0.00	57	0	N.D. d	
41) cis-1,3-Dichloropropene	0.00	75	0	N.D.	
42) Methyl isobutyl ketone	0.00	43	0	N.D. d	
43) trans-1,3-Dichloropropene	0.00	75	0	N.D.	
44) 1,1,2-Trichloroethane	0.00	97	0	N.D.	
46) Toluene	0.00	91	0	N.D. d	
47) 2-Hexanone Methyl butyl ke	0.00	43	0	N.D. d	
48) Dibromochloromethane	0.00	129	0	N.D.	
49) 1,2-Dibromoethane	0.00	107	0	N.D.	
50) Tetrachloroethene	0.00	166	0	N.D. d	
51) Chlorobenzene	0.00	112	0	N.D. d	
52) Ethylbenzene	0.00	91	0	N.D. d	
53) m-/p-Xylenes	0.00	91	0	N.D. d	
54) Bromoform	0.00	173	0	N.D.	
55) Styrene	0.00	104	0	N.D.	
56) o-Xylene	0.00	91	0	N.D.	

(#) = qualifier out of range (m) = manual integration
L070299.D TO1415.M Thu Jul 12 12:43:19 2007 Page 1

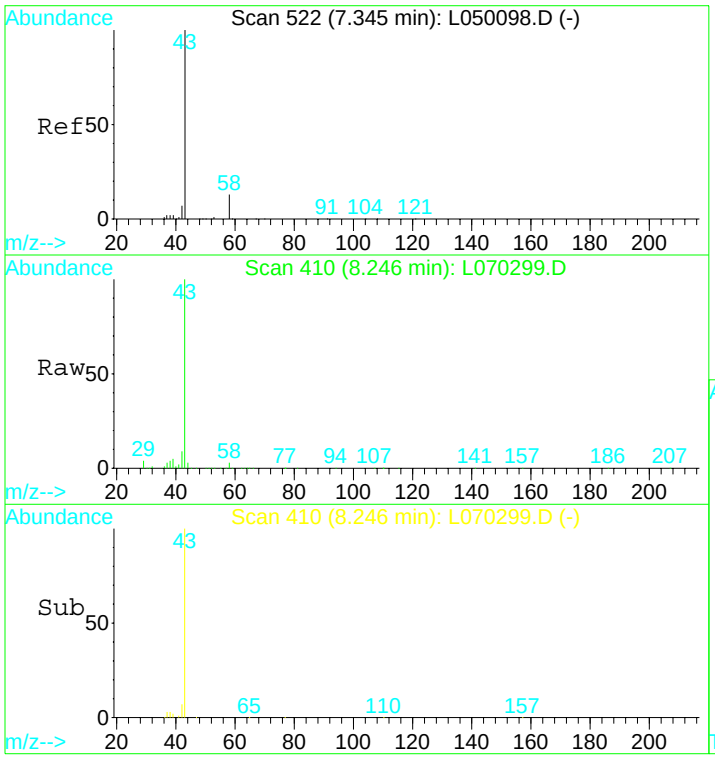
Quantitation Report (QT Reviewed)

Data File : M:\MS2007Q3\LURCH\DATA\JUL07\07-11-07\L070299.D Vial: 9
Acq On : 11 Jul 2007 2:53 pm Operator: lag
Sample : WSP-01, 100mL Inst : Lurch
Misc : 1433, 0707-03, df=5* Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Jul 11 15:54 2007 Quant Results File: TO1415.RES

Quant Method : M:\MS2007Q1\L...\TO1415.M (RTE Integrator)
Title : TO14
Last Update : Tue Apr 17 17:01:10 2007
Response via : Initial Calibration
DataAcq Meth : MM-624C

	Compound	R.T.	QIon	Response	Conc	Unit	Qvalue
57)	1,1,2,2,-Tetrachloroethane	0.00	83	0	N.D.	d	
58)	4-Ethyltoluene	0.00	105	0	N.D.	d	
59)	1,3,5-Trimethylbenzene	0.00	105	0	N.D.		
60)	1,2,4-Trimethylbenzene	0.00	105	0	N.D.	d	
61)	Benzyl chloride	0.00	91	0	N.D.		
62)	1,3-Dichlorobenzene	0.00	146	0	N.D.		
63)	1,4-Dichlorobenzene	0.00	146	0	N.D.		
64)	1,2-Dichlorobenzene	0.00	146	0	N.D.		
65)	1,2,4-Trichlorobenzene	0.00	180	0	N.D.		
66)	Hexachlorobutadiene	0.00	225	0	N.D.	d	

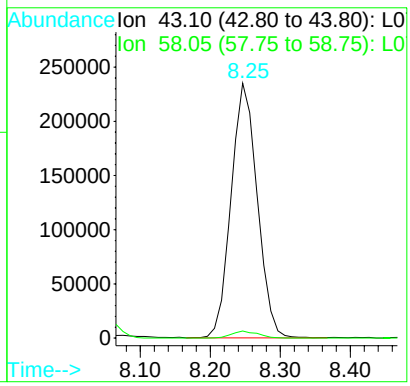
(#) = qualifier out of range (m) = manual integration
L070299.D TO1415.M Thu Jul 12 12:43:20 2007 Page 2

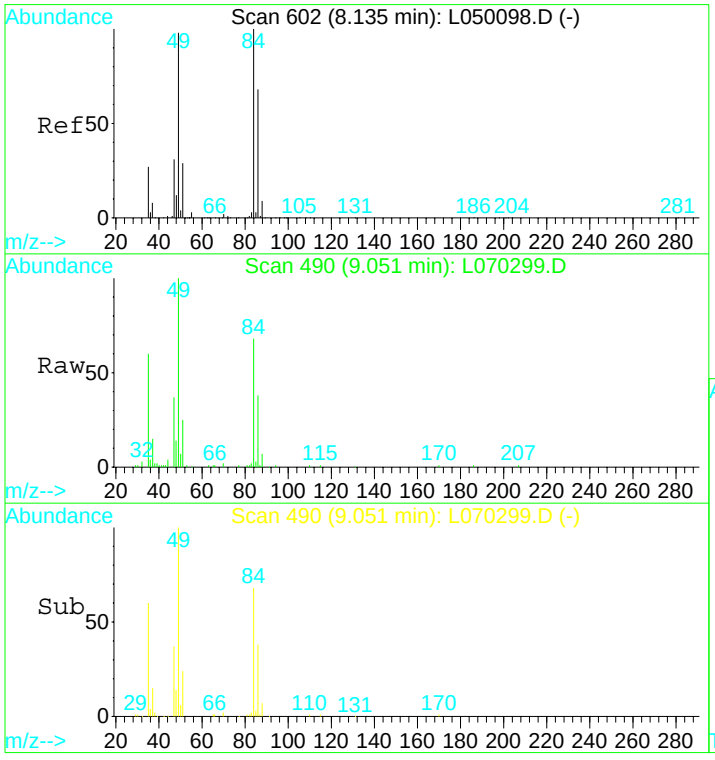


#11
Acetone
Concen: 5.08 PPBV
RT: 8.25 min Scan# 410
Delta R.T. 0.01 min
Lab File: L070299.D
Acq: 11 Jul 2007 2:53 pm

Tgt Ion: 43 Resp: 610726

Ion	Ratio	Lower	Upper
43	100		
58	2.8	6.6	9.8#

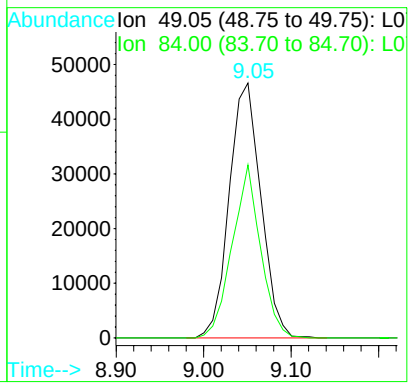


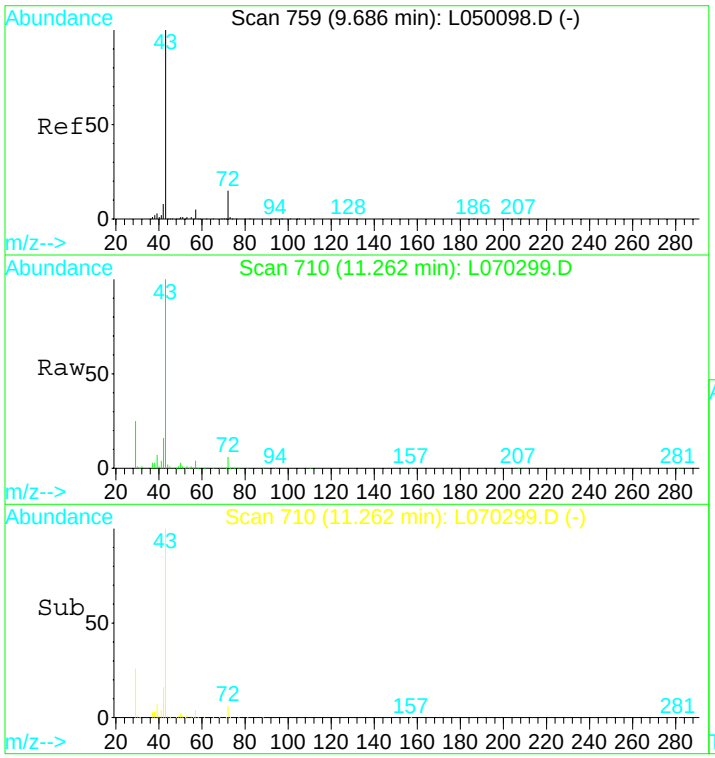


#15
Methylene chloride
Concen: 1.66 PPBV
RT: 9.05 min Scan# 490
Delta R.T. 0.02 min
Lab File: L070299.D
Acq: 11 Jul 2007 2:53 pm

Tgt Ion: 49 Resp: 117587

Ion	Ratio	Lower	Upper
49	100		
84	60.6	34.6	52.0#

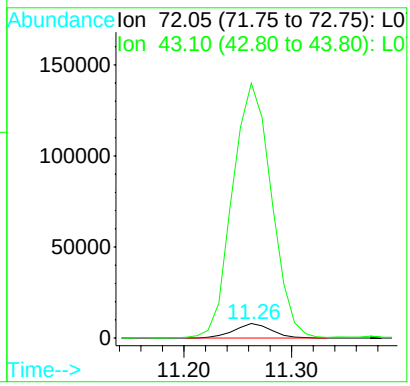


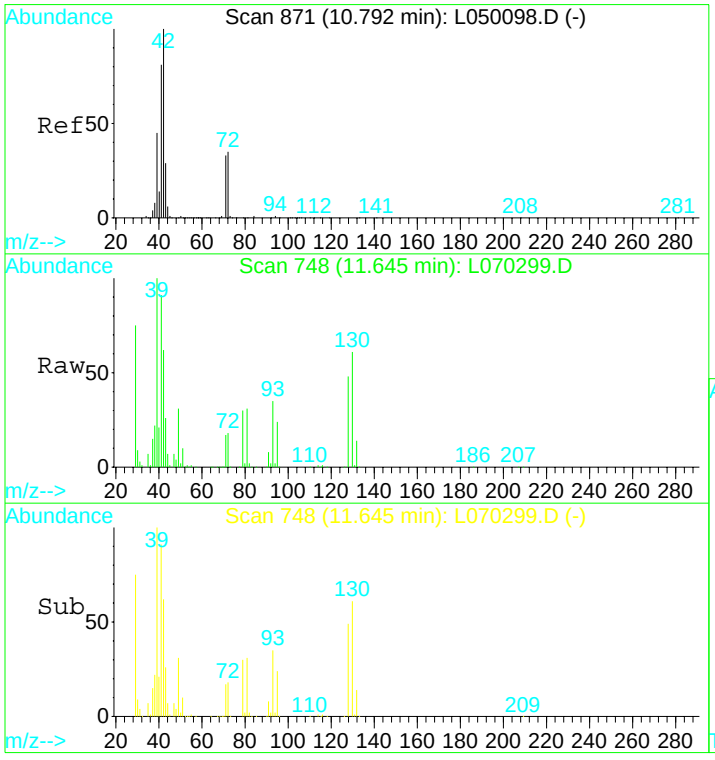


#23
Methyl ethyl ketone (2-Butanone)
Concen: 2.81 PPBV
RT: 11.26 min Scan# 710
Delta R.T. 0.01 min
Lab File: L070299.D
Acq: 11 Jul 2007 2:53 pm

Tgt Ion: 72 Resp: 19220

Ion	Ratio	Lower	Upper
72	100		
43	1840.5	545.4	818.0#

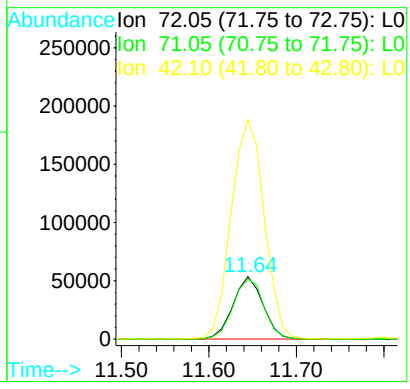




#28
Tetrahydrofuran
Concen: 17.32 PPBV
RT: 11.64 min Scan# 748
Delta R.T. 0.01 min
Lab File: L070299.D
Acq: 11 Jul 2007 2:53 pm

Tgt Ion: 72 Resp: 127380

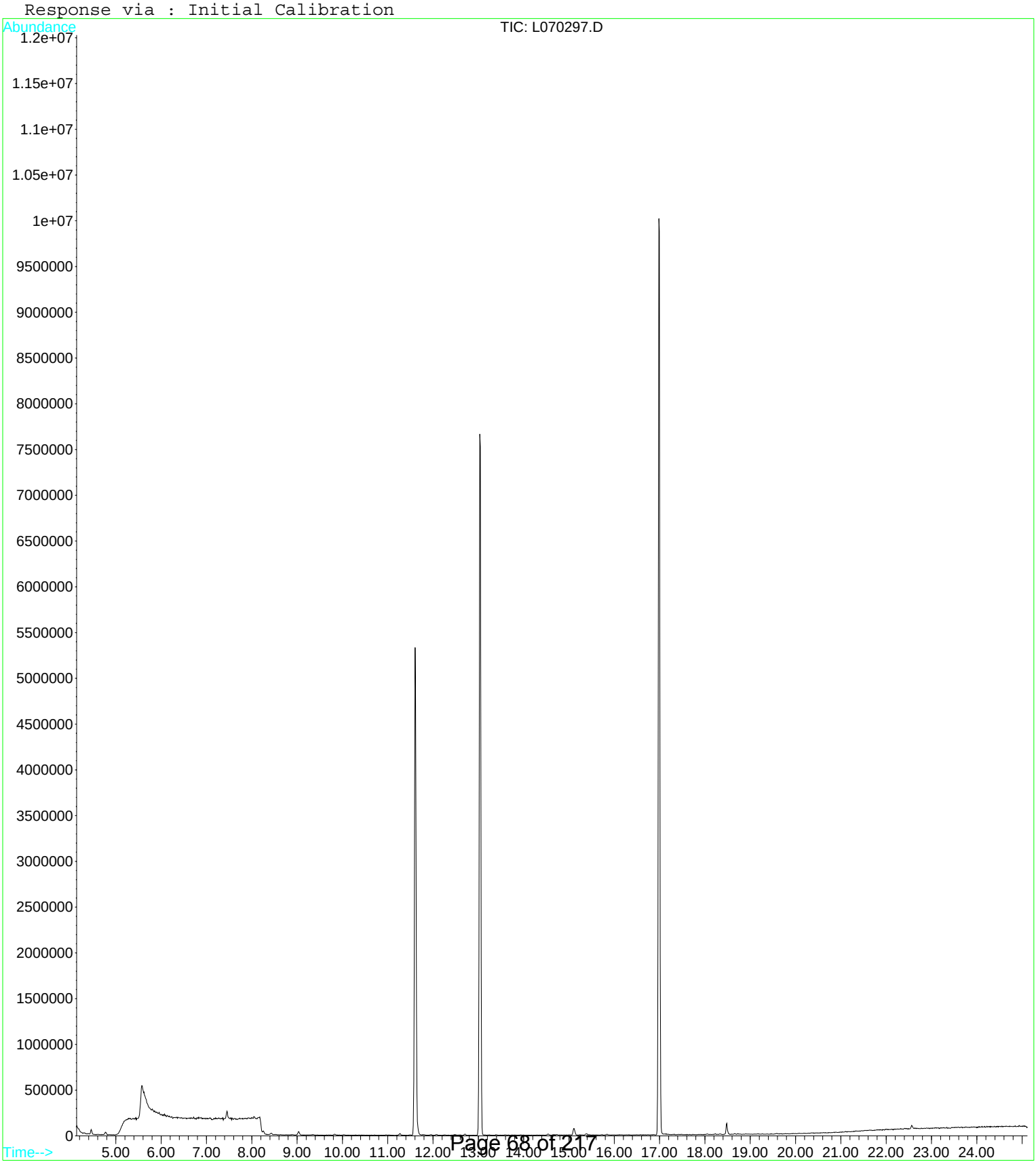
Ion	Ratio	Lower	Upper
72	100		
71	98.3	77.0	115.6
42	387.6	234.6	352.0#



Quantitation Report

Data File : M:\MS2007Q3\LURCH\DATA\JUL07\07-11-07\L070297.D Vial: 7
Acq On : 11 Jul 2007 1:25 pm Operator: lag
Sample : WSP-01, 25mL Inst : Lurch
Misc : 1433, 070703, df=20* Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Jul 11 15:55 2007 Quant Results File: TO1415.RES

Method : M:\MS2007Q1\LURCH\METHODS\TO1415.M (RTE Integrator)
Title : TO14
Last Update : Tue Apr 17 17:01:10 2007
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data File : M:\MS2007Q3\LURCH\DATA\JUL07\07-11-07\L070297.D Vial: 7
Acq On : 11 Jul 2007 1:25 pm Operator: lag
Sample : WSP-01, 25mL Inst : Lurch
Misc : 1433, 070703, df=20* Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Jul 11 15:55 2007 Quant Results File: TO1415.RES

Quant Method : M:\MS2007Q1\L...\TO1415.M (RTE Integrator)
Title : TO14
Last Update : Tue Apr 17 17:01:10 2007
Response via : Initial Calibration
DataAcq Meth : MM-624C

Internal Standards	R.T.	QIon	Response	Conc Units	Dev(Min)
1) Bromochloromethane (IS)	11.60	130	1956063	20.20 PPBV	0.00
31) 1,4-Difluorobenzene (IS)	13.04	114	8263812	20.00 PPBV	0.00
45) Chlorobenzene-d5 (IS)	16.99	117	7282505	20.40 PPBV	0.00
Target Compounds					Qvalue
2) propylene	0.00	41	0	N.D.	
3) Freon12(CCl2F2)	0.00	85	0	N.D. d	
4) Chloromethane	0.00	50	0	N.D.	
5) Freon 114 (C2Cl2F4)	0.00	85	0	N.D.	
6) Chloroethene	0.00	62	0	N.D.	
7) 1,3-Butadiene	0.00	39	0	N.D. d	
8) Bromomethane	0.00	94	0	N.D. d	
9) Chloroethane	0.00	64	0	N.D.	
10) Bromoethene	0.00	106	0	N.D.	
11) Acetone	0.00	43	0	N.D. d	
12) Freon 11 (CCl3F)	0.00	101	0	N.D. d	
13) Isopropyl alcohol	0.00	45	0	N.D. d	
14) 1,1-Dichloroethene	0.00	61	0	N.D.	
15) Methylene chloride	0.00	49	0	N.D. d	
16) Allyl chloride	0.00	76	0	N.D.	
17) Freon 113 (C2Cl3F3)	0.00	151	0	N.D.	
18) Carbon disulfide	0.00	76	0	N.D. d	
19) trans-1,2-Dichloroethene	0.00	61	0	N.D.	
20) 1,1-Dichloroethane	0.00	63	0	N.D.	
21) Methyl tert-butyl ether	0.00	73	0	N.D.	
22) Vinyl acetate	0.00	43	0	N.D.	
23) Methyl ethyl ketone (2-But	0.00	72	0	N.D.	
24) cis-1,2-Dichloroethylene	0.00	61	0	N.D.	
25) Hexane	0.00	57	0	N.D.	
26) Ethyl acetate	0.00	45	0	N.D.	
27) Chloroform	0.00	83	0	N.D. d	
28) Tetrahydrofuran	11.66	72	8439	1.18 PPBV #	70
29) 1,2-Dichloroethane	0.00	62	0	N.D. d	
30) 1,1,1-Trichloroethane	0.00	97	0	N.D.	
32) Benzene	0.00	78	0	N.D. d	
33) Carbon tetrachloride	0.00	117	0	N.D.	
34) Cyclohexane	0.00	56	0	N.D.	
35) 1,2-Dichloropropane	0.00	63	0	N.D.	
36) Bromodichloromethane	0.00	83	0	N.D.	
37) 2,2,4-Trimethylpentane	0.00	57	0	N.D.	
38) Trichloroethene	0.00	130	0	N.D.	
39) 1,4-Dioxane	0.00	88	0	N.D.	
40) Heptane	0.00	57	0	N.D.	
41) cis-1,3-Dichloropropene	0.00	75	0	N.D.	
42) Methyl isobutyl ketone	0.00	43	0	N.D.	
43) trans-1,3-Dichloropropene	0.00	75	0	N.D.	
44) 1,1,2-Trichloroethane	0.00	97	0	N.D.	
46) Toluene	0.00	91	0	N.D. d	
47) 2-Hexanone Methyl butyl ke	0.00	43	0	N.D. d	
48) Dibromochloromethane	0.00	129	0	N.D.	
49) 1,2-Dibromoethane	0.00	107	0	N.D.	
50) Tetrachloroethene	0.00	166	0	N.D. d	
51) Chlorobenzene	0.00	112	0	N.D. d	
52) Ethylbenzene	0.00	91	0	N.D. d	
53) m-/p-Xylenes	0.00	91	0	N.D.	
54) Bromoform	0.00	173	0	N.D.	
55) Styrene	0.00	104	0	N.D.	
56) o-Xylene	0.00	91	0	N.D.	

(#) = qualifier out of range (m) = manual integration
L070297.D TO1415.M Thu Jul 12 12:43:40 2007 Page 1

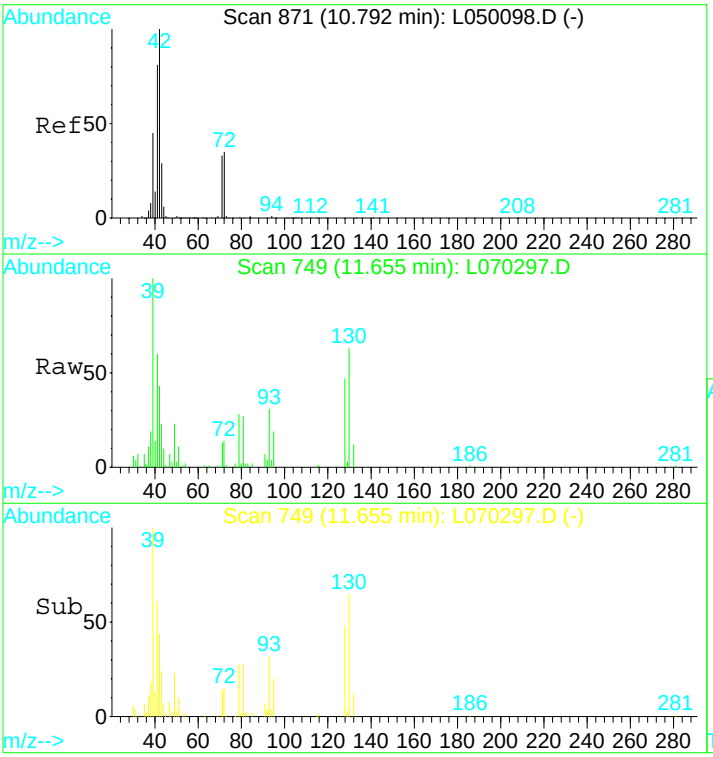
Quantitation Report (QT Reviewed)

Data File : M:\MS2007Q3\LURCH\DATA\JUL07\07-11-07\L070297.D Vial: 7
Acq On : 11 Jul 2007 1:25 pm Operator: lag
Sample : WSP-01, 25mL Inst : Lurch
Misc : 1433, 070703, df=20* Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Jul 11 15:55 2007 Quant Results File: TO1415.RES

Quant Method : M:\MS2007Q1\L...\TO1415.M (RTE Integrator)
Title : TO14
Last Update : Tue Apr 17 17:01:10 2007
Response via : Initial Calibration
DataAcq Meth : MM-624C

	Compound	R.T.	QIon	Response	Conc Unit	Qvalue
57)	1,1,2,2,-Tetrachloroethane	0.00	83	0	N.D.	
58)	4-Ethyltoluene	0.00	105	0	N.D.	
59)	1,3,5-Trimethylbenzene	0.00	105	0	N.D.	
60)	1,2,4-Trimethylbenzene	0.00	105	0	N.D.	
61)	Benzyl chloride	0.00	91	0	N.D.	
62)	1,3-Dichlorobenzene	0.00	146	0	N.D.	
63)	1,4-Dichlorobenzene	0.00	146	0	N.D.	
64)	1,2-Dichlorobenzene	0.00	146	0	N.D.	
65)	1,2,4-Trichlorobenzene	0.00	180	0	N.D.	
66)	Hexachlorobutadiene	0.00	225	0	N.D.	d

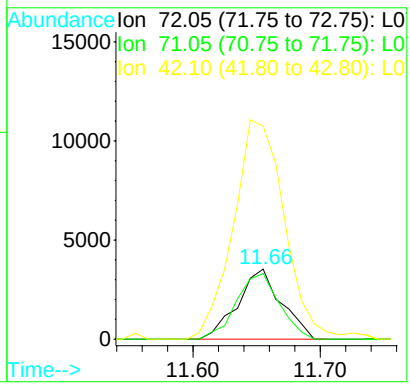
(#) = qualifier out of range (m) = manual integration



#28
Tetrahydrofuran
Concen: 1.18 PPBV
RT: 11.66 min Scan# 749
Delta R.T. 0.02 min
Lab File: L070297.D
Acq: 11 Jul 2007 1:25 pm

Tgt Ion: 72 Resp: 8439

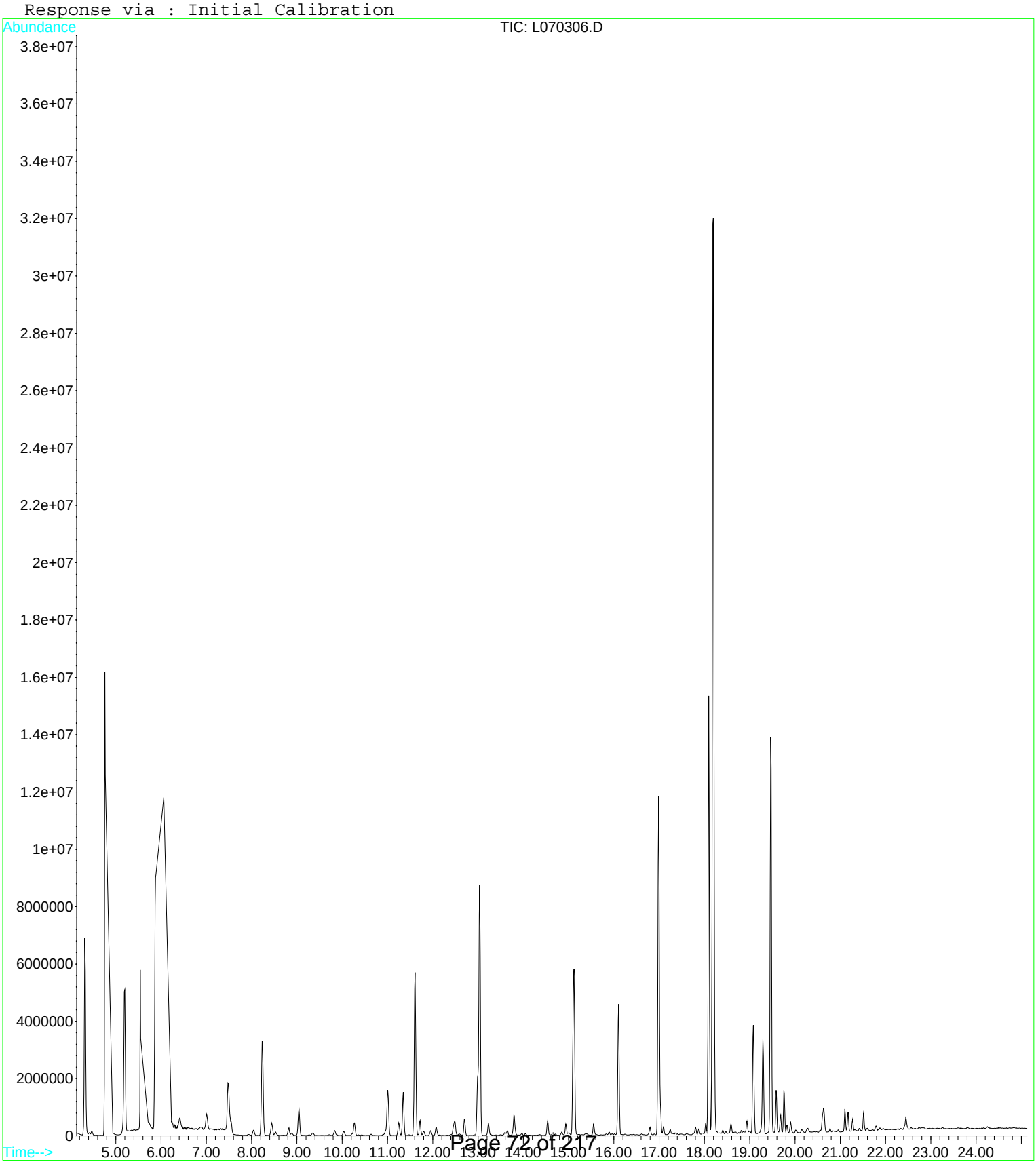
Ion	Ratio	Lower	Upper
72	100		
71	92.6	77.0	115.6
42	368.7	234.6	352.0#



Quantitation Report

Data File : M:\MS2007Q3\LURCH\DATA\JUL07\07-11-07\L070306.D Vial: 14
Acq On : 11 Jul 2007 8:05 pm Operator: lag
Sample : WSP-02 , 500mL Inst : Lurch
Misc : 1340, 0707-03 Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Jul 12 8:07 2007 Quant Results File: TO1415.RES

Method : M:\MS2007Q1\LURCH\METHODS\TO1415.M (RTE Integrator)
Title : TO14
Last Update : Tue Apr 17 17:01:10 2007
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data File : M:\MS2007Q3\LURCH\DATA\JUL07\07-11-07\L070306.D Vial: 14
Acq On : 11 Jul 2007 8:05 pm Operator: lag
Sample : WSP-02 , 500mL Inst : Lurch
Misc : 1340, 0707-03 Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Jul 12 8:07 2007 Quant Results File: TO1415.RES

Quant Method : M:\MS2007Q1\L...\TO1415.M (RTE Integrator)
Title : TO14
Last Update : Tue Apr 17 17:01:10 2007
Response via : Initial Calibration
DataAcq Meth : MM-624C

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
1) Bromochloromethane (IS)	11.61	130	2054743	20.20	PPBV		0.00
31) 1,4-Difluorobenzene (IS)	13.04	114	8828891	20.00	PPBV		0.00
45) Chlorobenzene-d5 (IS)	16.99	117	7944739	20.40	PPBV		0.00
Target Compounds							Qvalue
2) propylene	4.32	41	1125820	104.17	PPBV	#	39
3) Freon12(CCl2F2)	4.42	85	110111	0.22	PPBV		93
4) Chloromethane	0.00	50	0	N.D.	d		
5) Freon 114 (C2Cl2F4)	0.00	85	0	N.D.			
6) Chloroethene	0.00	62	0	N.D.	d		
7) 1,3-Butadiene	0.00	39	0	N.D.	d		
8) Bromomethane	0.00	94	0	N.D.			
9) Chloroethane	0.00	64	0	N.D.	d		
10) Bromoethene	0.00	106	0	N.D.			
11) Acetone	8.23	43	6235713	50.68	PPBV	#	89
12) Freon 11 (CCl3F)	0.00	101	0	N.D.	d		
13) Isopropyl alcohol	0.00	45	0	N.D.	d		
14) 1,1-Dichloroethene	0.00	61	0	N.D.			
15) Methylene chloride	9.05	49	572722	7.89	PPBV	#	66
16) Allyl chloride	0.00	76	0	N.D.			
17) Freon 113 (C2Cl3F3)	0.00	151	0	N.D.	d		
18) Carbon disulfide	8.44	76	348843	3.12	PPBV	#	13
19) trans-1,2-Dichloroethene	0.00	61	0	N.D.			
20) 1,1-Dichloroethane	0.00	63	0	N.D.	d		
21) Methyl tert-butyl ether	0.00	73	0	N.D.			
22) Vinyl acetate	0.00	43	0	N.D.	d		
23) Methyl ethyl ketone (2-But	11.25	72	28710	4.10	PPBV	#	1
24) cis-1,2-Dichloroethylene	0.00	61	0	N.D.	d		
25) Hexane	9.83	57	31504	1.31	PPBV	#	1
26) Ethyl acetate	11.26	45	25111	3.26	PPBV	#	1
27) Chloroform	0.00	83	0	N.D.	d		
28) Tetrahydrofuran	0.00	72	0	N.D.	d		
29) 1,2-Dichloroethane	0.00	62	0	N.D.	d		
30) 1,1,1-Trichloroethane	0.00	97	0	N.D.	d		
32) Benzene	12.49	78	350497	4.03	PPBV	#	34
33) Carbon tetrachloride	0.00	117	0	N.D.	d		
34) Cyclohexane	11.95	56	40993	1.51	PPBV	#	1
35) 1,2-Dichloropropane	0.00	63	0	N.D.	d		
36) Bromodichloromethane	0.00	83	0	N.D.	d		
37) 2,2,4-Trimethylpentane	0.00	57	0	N.D.	d		
38) Trichloroethene	0.00	130	0	N.D.	d		
39) 1,4-Dioxane	0.00	88	0	N.D.			
40) Heptane	12.71	57	41471	2.68	PPBV	#	24
41) cis-1,3-Dichloropropene	0.00	75	0	N.D.			
42) Methyl isobutyl ketone	0.00	43	0	N.D.	d		
43) trans-1,3-Dichloropropene	0.00	75	0	N.D.	d		
44) 1,1,2-Trichloroethane	0.00	97	0	N.D.			
46) Toluene	15.12	91	3662615	15.94	PPBV		100
47) 2-Hexanone Methyl butyl ke	15.96	43	32939	0.35	PPBV	#	75
48) Dibromochloromethane	0.00	129	0	N.D.			
49) 1,2-Dibromoethane	0.00	107	0	N.D.			
50) Tetrachloroethene	0.00	166	0	N.D.	d		
51) Chlorobenzene	17.03	112	713876	2.45	PPBV	#	76
52) Ethylbenzene	17.10	91	222403	0.61	PPBV		94
53) m-/p-Xylenes	17.24	91	148177	0.49	PPBV		93
54) Bromoform	0.00	173	0	N.D.			
55) Styrene	17.80	104	170880	0.66	PPBV	#	74
56) o-Xylene	0.00	91	0	N.D.	d		

(#) = qualifier out of range (m) = manual integration
L070306.D TO1415.M Thu Jul 12 12:44:47 2007 Page 1

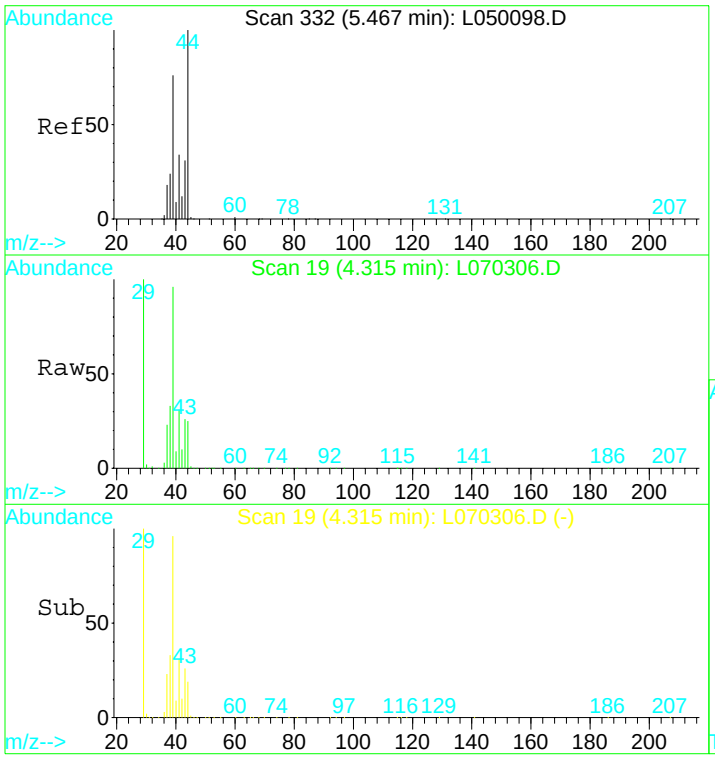
Quantitation Report (QT Reviewed)

Data File : M:\MS2007Q3\LURCH\DATA\JUL07\07-11-07\L070306.D Vial: 14
Acq On : 11 Jul 2007 8:05 pm Operator: lag
Sample : WSP-02 , 500mL Inst : Lurch
Misc : 1340, 0707-03 Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Jul 12 8:07 2007 Quant Results File: TO1415.RES

Quant Method : M:\MS2007Q1\L...\TO1415.M (RTE Integrator)
Title : TO14
Last Update : Tue Apr 17 17:01:10 2007
Response via : Initial Calibration
DataAcq Meth : MM-624C

	Compound	R.T.	QIon	Response	Conc Unit	Qvalue
57)	1,1,2,2,-Tetrachloroethane	0.00	83	0	N.D. d	
58)	4-Ethyltoluene	0.00	105	0	N.D. d	
59)	1,3,5-Trimethylbenzene	0.00	105	0	N.D. d	
60)	1,2,4-Trimethylbenzene	0.00	105	0	N.D.	
61)	Benzyl chloride	0.00	91	0	N.D. d	
62)	1,3-Dichlorobenzene	0.00	146	0	N.D.	
63)	1,4-Dichlorobenzene	0.00	146	0	N.D.	
64)	1,2-Dichlorobenzene	0.00	146	0	N.D.	
65)	1,2,4-Trichlorobenzene	0.00	180	0	N.D. d	
66)	Hexachlorobutadiene	0.00	225	0	N.D. d	

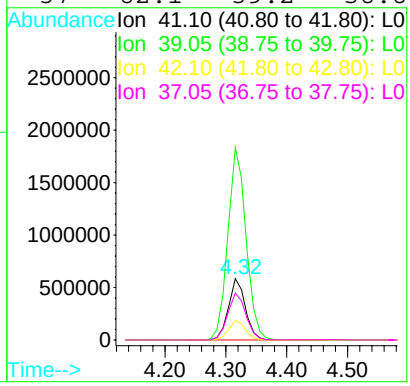
(#) = qualifier out of range (m) = manual integration

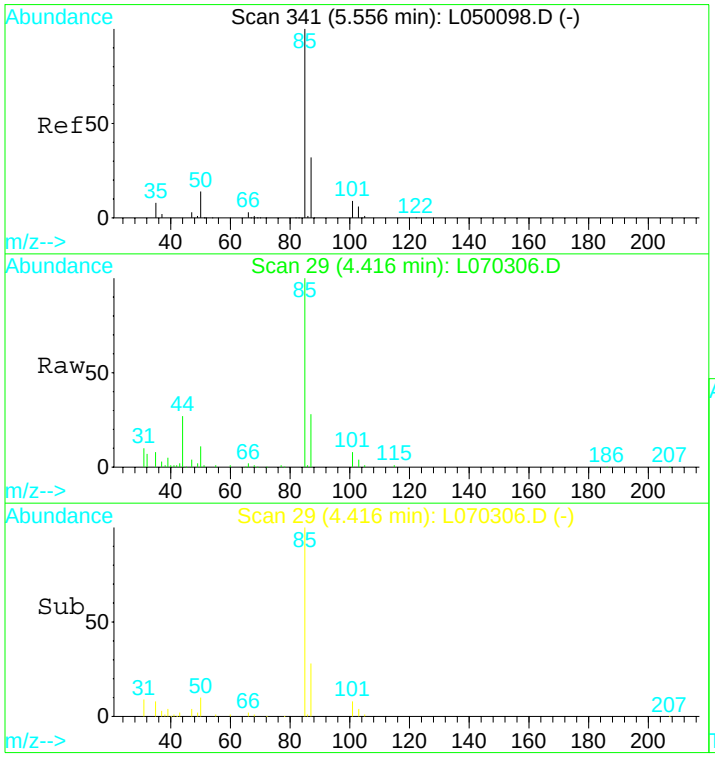


#2
propylene
Concen: 104.17 PPBV
RT: 4.32 min Scan# 19
Delta R.T. -0.01 min
Lab File: L070306.D
Acq: 11 Jul 2007 8:05 pm

Tgt Ion: 41 Resp: 1125820

Ion	Ratio	Lower	Upper
41	100		
39	338.9	177.2	265.8#
42	31.6	25.8	38.6
37	82.1	39.2	58.8#

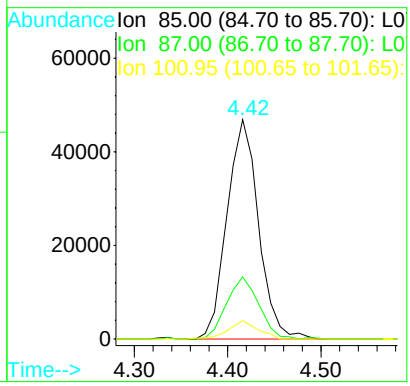


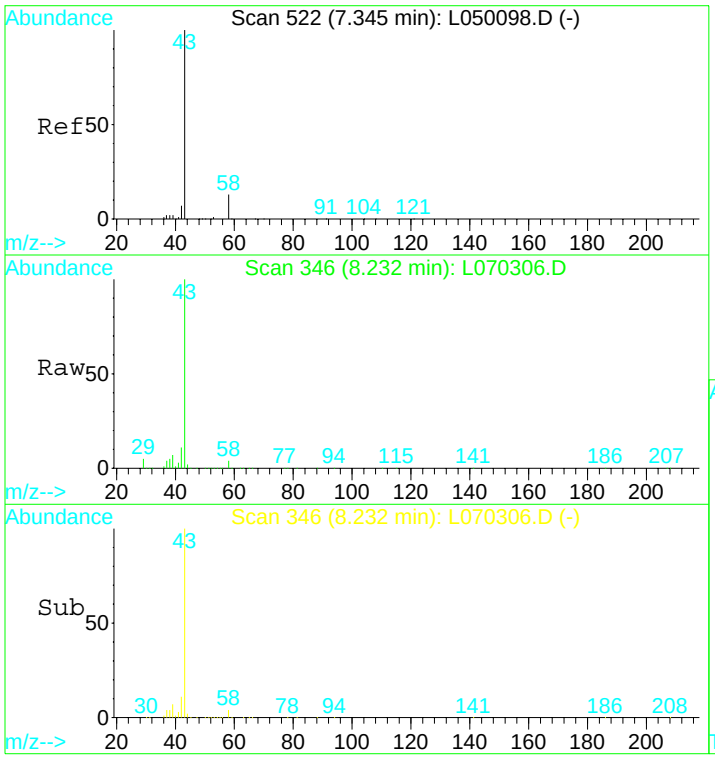


#3
Freon12(CCl2F2)
Concen: 0.22 PPBV
RT: 4.42 min Scan# 29
Delta R.T. 0.01 min
Lab File: L070306.D
Acq: 11 Jul 2007 8:05 pm

Tgt Ion: 85 Resp: 110111

Ion	Ratio	Lower	Upper
85	100		
87	29.2	26.8	40.2
101	7.9	7.1	10.7

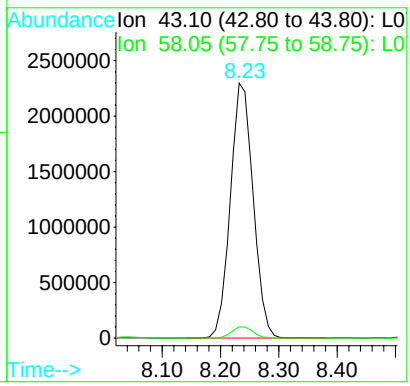


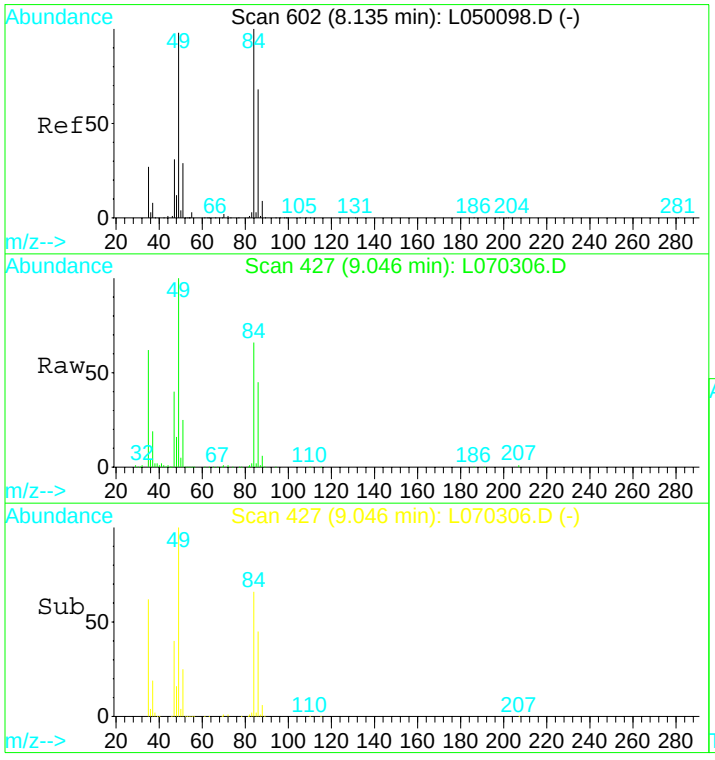


#11
Acetone
Concen: 50.68 PPBV
RT: 8.23 min Scan# 346
Delta R.T. -0.01 min
Lab File: L070306.D
Acq: 11 Jul 2007 8:05 pm

Tgt Ion: 43 Resp: 6235713

Ion	Ratio	Lower	Upper
43	100		
58	4.1	6.6	9.8#

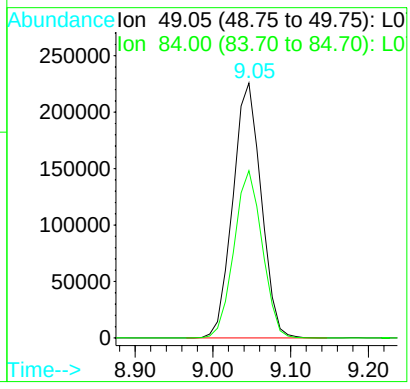


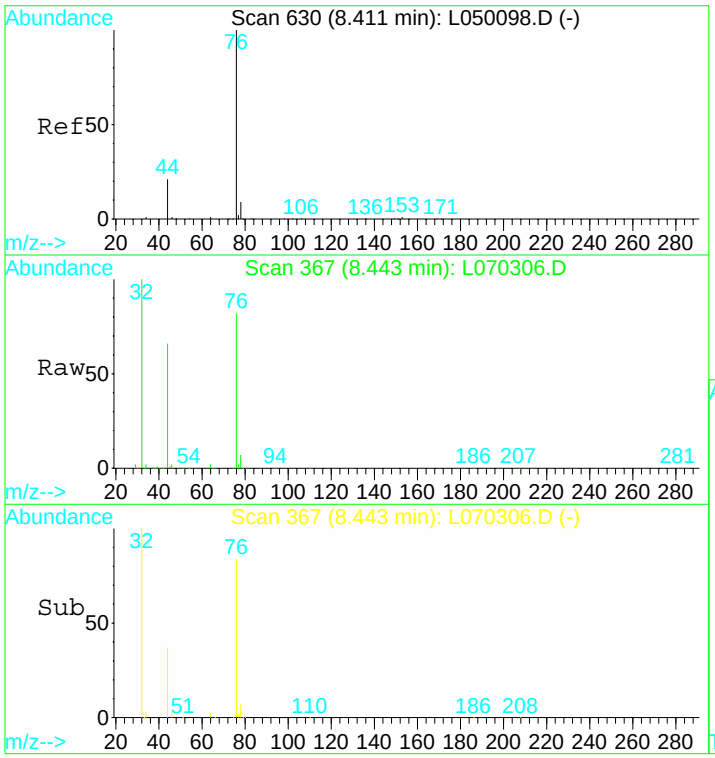


#15
Methylene chloride
Concen: 7.89 PPBV
RT: 9.05 min Scan# 427
Delta R.T. 0.01 min
Lab File: L070306.D
Acq: 11 Jul 2007 8:05 pm

Tgt Ion: 49 Resp: 572722

Ion	Ratio	Lower	Upper
49	100		
84	65.2	34.6	52.0#

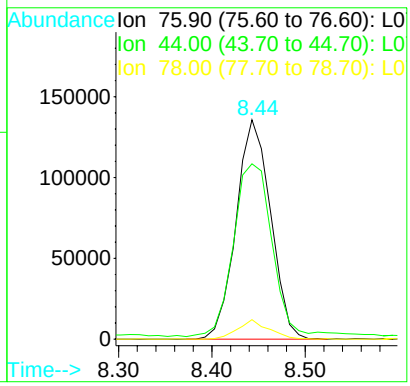


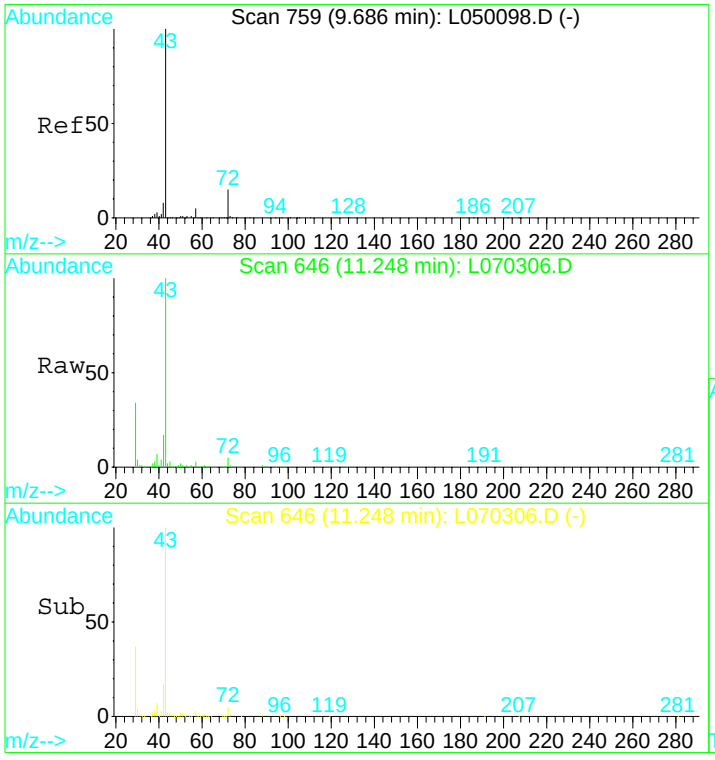


#18
Carbon disulfide
Concen: 3.12 PPBV
RT: 8.44 min Scan# 367
Delta R.T. 0.00 min
Lab File: L070306.D
Acq: 11 Jul 2007 8:05 pm

Tgt Ion: 76 Resp: 348843

Ion	Ratio	Lower	Upper
76	100		
44	89.0	21.8	32.8#
78	8.0	8.9	13.3#

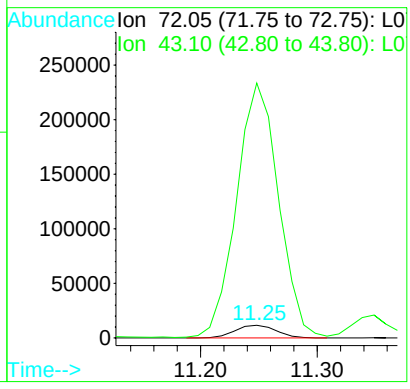


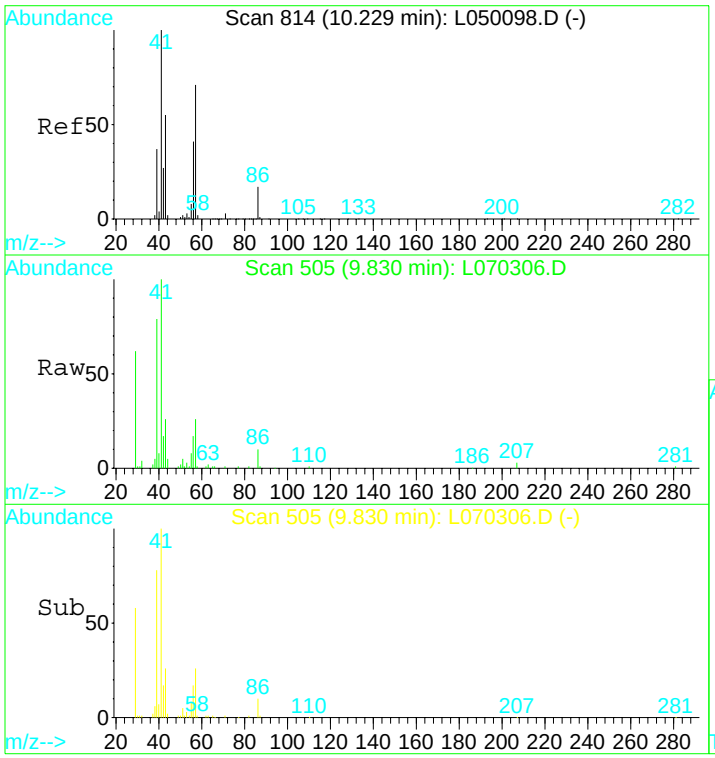


#23
Methyl ethyl ketone (2-Butanone)
Concen: 4.10 PPBV
RT: 11.25 min Scan# 646
Delta R.T. -0.01 min
Lab File: L070306.D
Acq: 11 Jul 2007 8:05 pm

Tgt Ion: 72 Resp: 28710

Ion	Ratio	Lower	Upper
72	100		
43	2023.0	545.4	818.0#

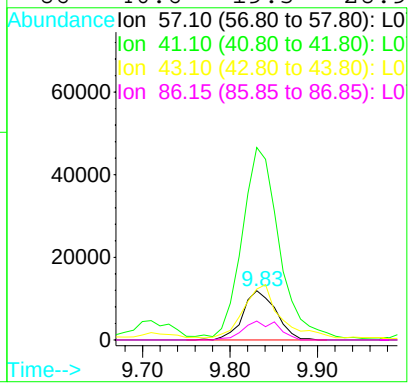


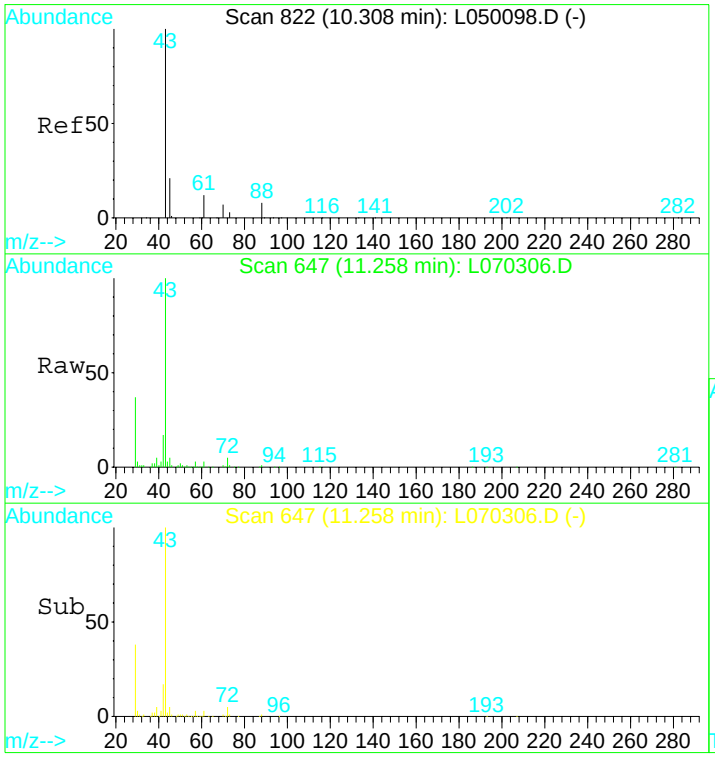


#25
Hexane
Concen: 1.31 PPBV
RT: 9.83 min Scan# 505
Delta R.T. 0.00 min
Lab File: L070306.D
Acq: 11 Jul 2007 8:05 pm

Tgt Ion: 57 Resp: 31504

Ion	Ratio	Lower	Upper
57	100		
41	430.6	99.4	149.2#
43	116.3	59.0	88.4#
86	40.6	19.3	28.9#

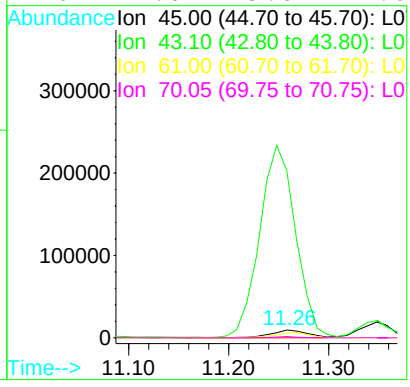


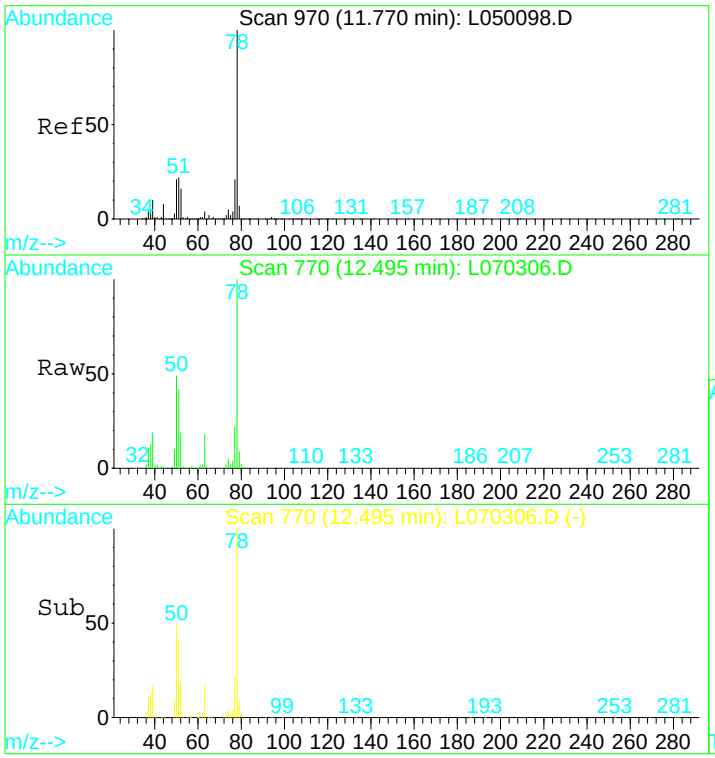


#26
Ethyl acetate
Concen: 3.26 PPBV
RT: 11.26 min Scan# 647
Delta R.T. -0.02 min
Lab File: L070306.D
Acq: 11 Jul 2007 8:05 pm

Tgt Ion: 45 Resp: 25111

Ion	Ratio	Lower	Upper
45	100		
43	0.0	1029.0	1543.4#
61	64.5	126.3	189.5#
70	11.8	49.8	74.6#

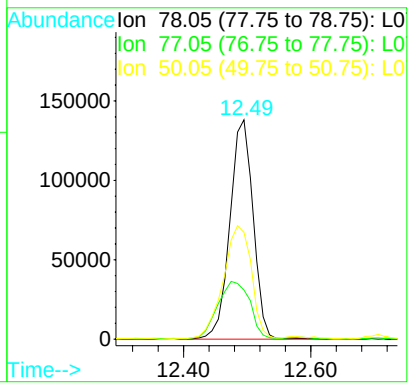


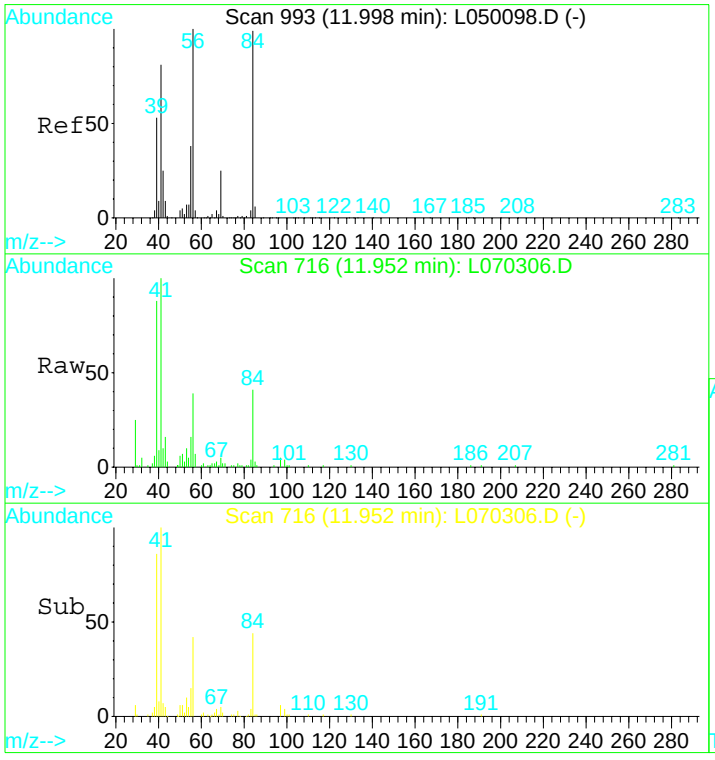


#32
Benzene
Concen: 4.03 PPBV
RT: 12.49 min Scan# 770
Delta R.T. 0.00 min
Lab File: L070306.D
Acq: 11 Jul 2007 8:05 pm

Tgt Ion: 78 Resp: 350497

Ion	Ratio	Lower	Upper
78	100		
77	0.0	21.1	31.7#
50	63.1	18.6	27.8#

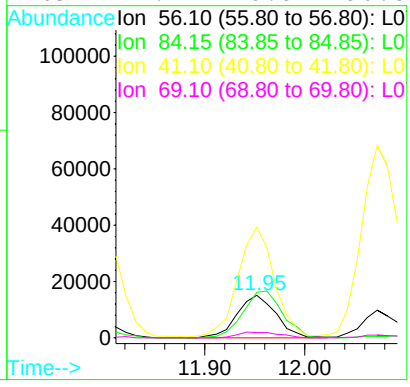


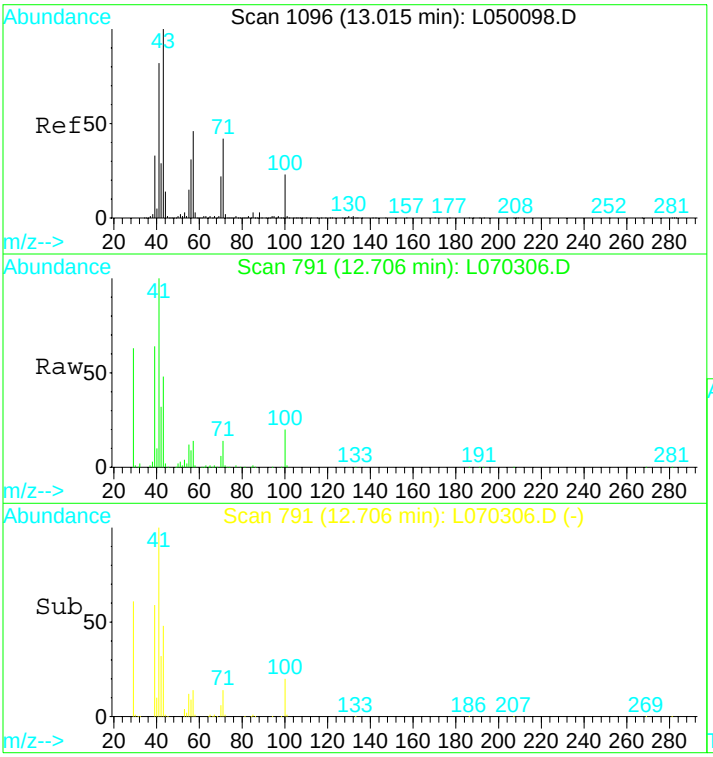


#34
Cyclohexane
Concen: 1.51 PPBV
RT: 11.95 min Scan# 716
Delta R.T. -0.01 min
Lab File: L070306.D
Acq: 11 Jul 2007 8:05 pm

Tgt Ion: 56 Resp: 40993

Ion	Ratio	Lower	Upper
56	100		
84	0.0	89.6	134.4#
41	238.8	68.5	102.7#
69	14.2	20.3	30.5#

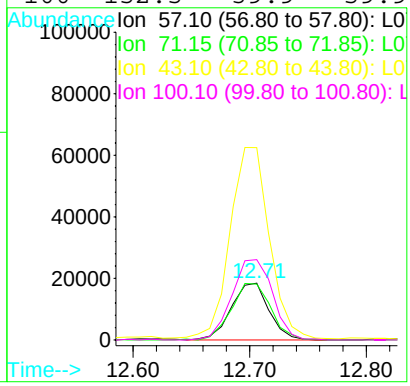


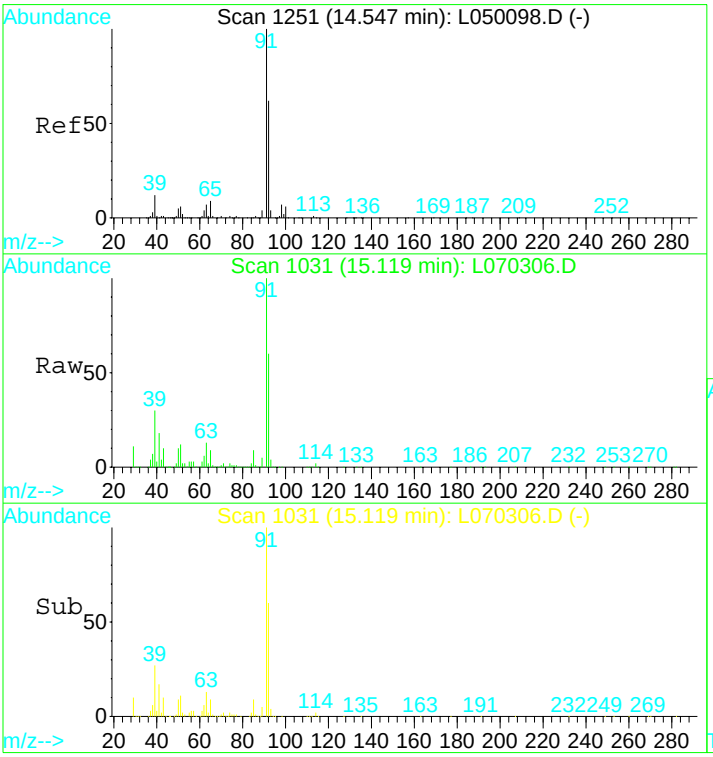


#40
Heptane
Concen: 2.68 PPBV
RT: 12.71 min Scan# 791
Delta R.T. -0.01 min
Lab File: L070306.D
Acq: 11 Jul 2007 8:05 pm

Tgt Ion: 57 Resp: 41471

Ion	Ratio	Lower	Upper
57	100		
71	104.8	73.0	109.4
43	350.7	172.4	258.6#
100	152.5	39.9	59.9#

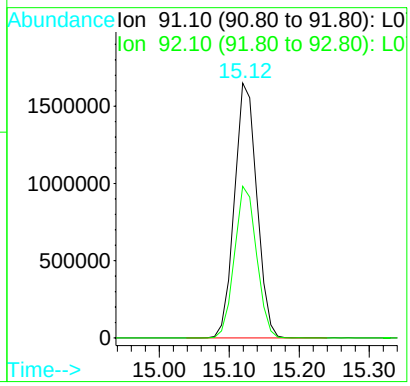


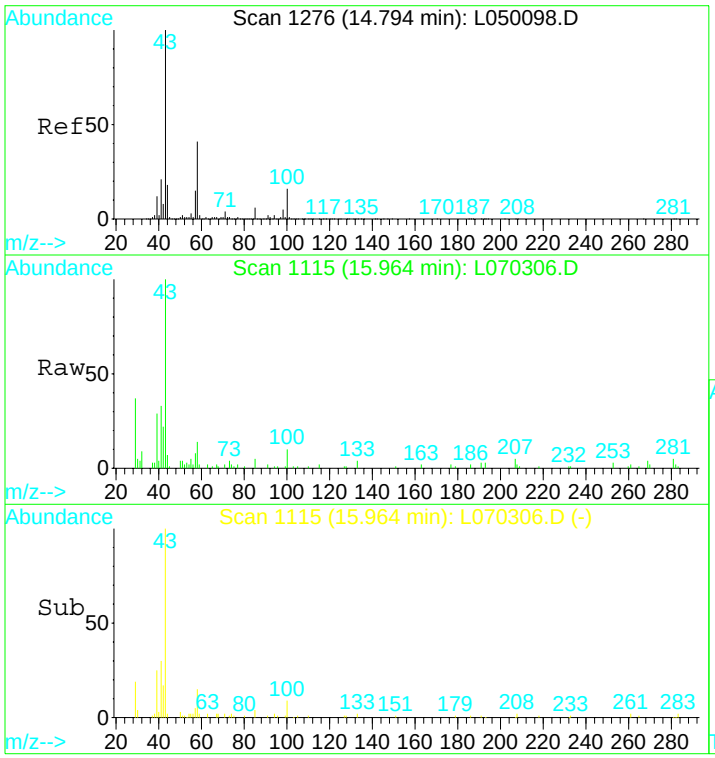


#46
Toluene
Concen: 15.94 PPBV
RT: 15.12 min Scan# 1031
Delta R.T. -0.02 min
Lab File: L070306.D
Acq: 11 Jul 2007 8:05 pm

Tgt Ion: 91 Resp: 3662615

Ion	Ratio	Lower	Upper
91	100		
92	58.7	46.8	70.2

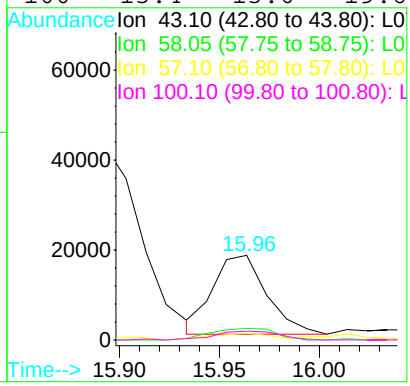


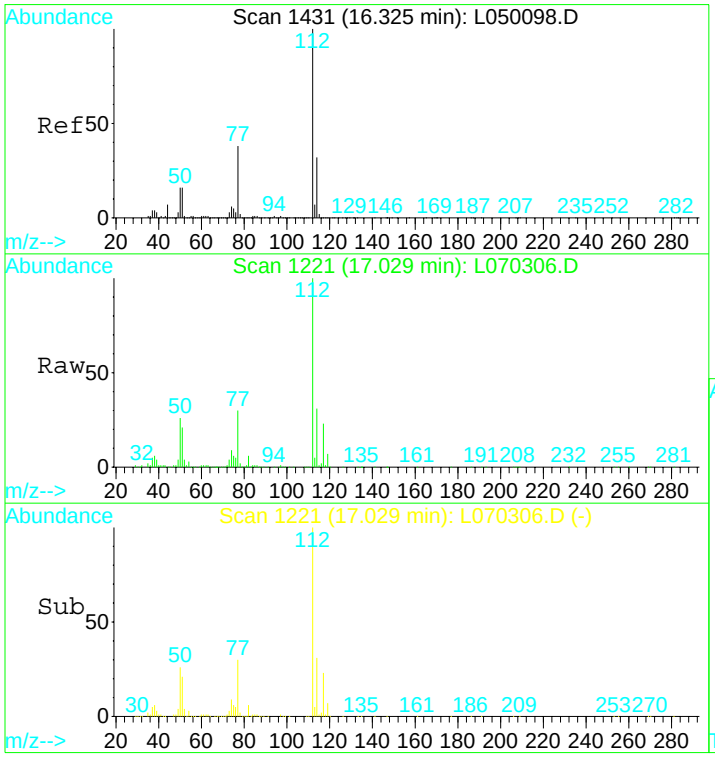


#47
2-Hexanone Methyl butyl ketone)
Concen: 0.35 PPBV
RT: 15.96 min Scan# 1115
Delta R.T. -0.01 min
Lab File: L070306.D
Acq: 11 Jul 2007 8:05 pm

Tgt Ion: 43 Resp: 32939

Ion	Ratio	Lower	Upper
43	100		
58	17.9	32.5	48.7#
57	9.5	12.3	18.5#
100	13.4	13.0	19.6

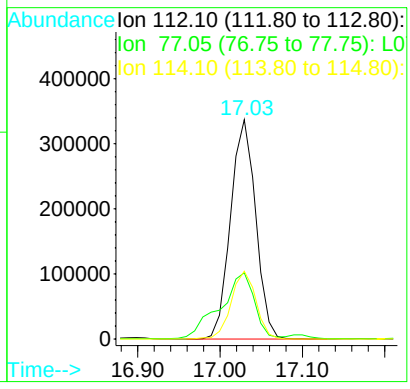


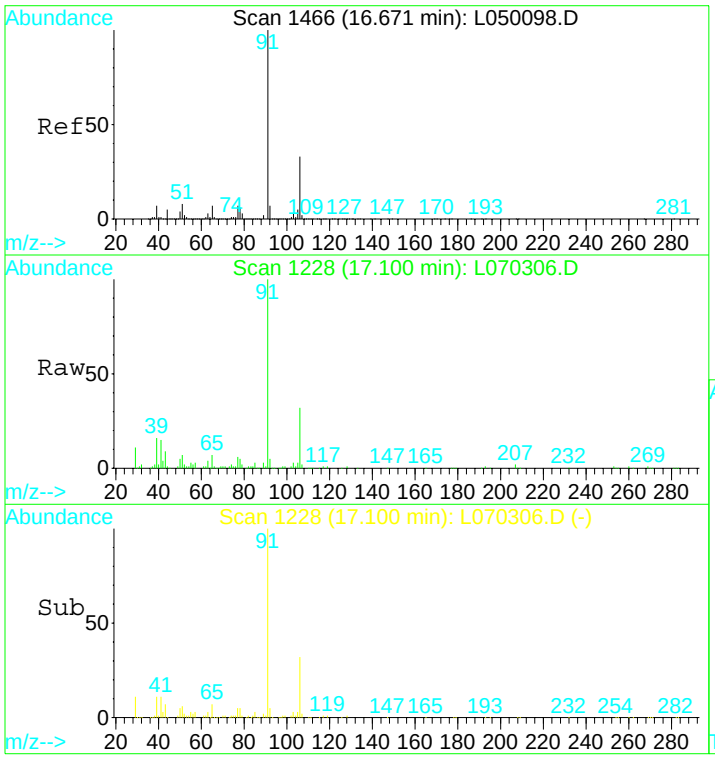


#51
Chlorobenzene
Concen: 2.45 PPBV
RT: 17.03 min Scan# 1221
Delta R.T. -0.01 min
Lab File: L070306.D
Acq: 11 Jul 2007 8:05 pm

Tgt Ion:112 Resp: 713876

Ion	Ratio	Lower	Upper
112	100		
77	40.8	54.6	82.0#
114	30.6	26.6	40.0

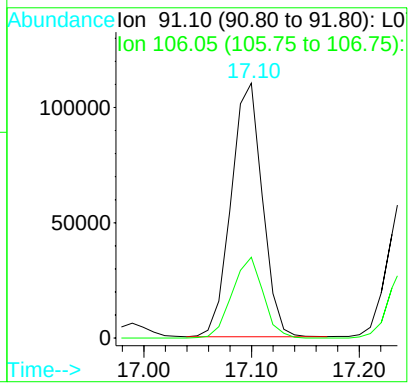


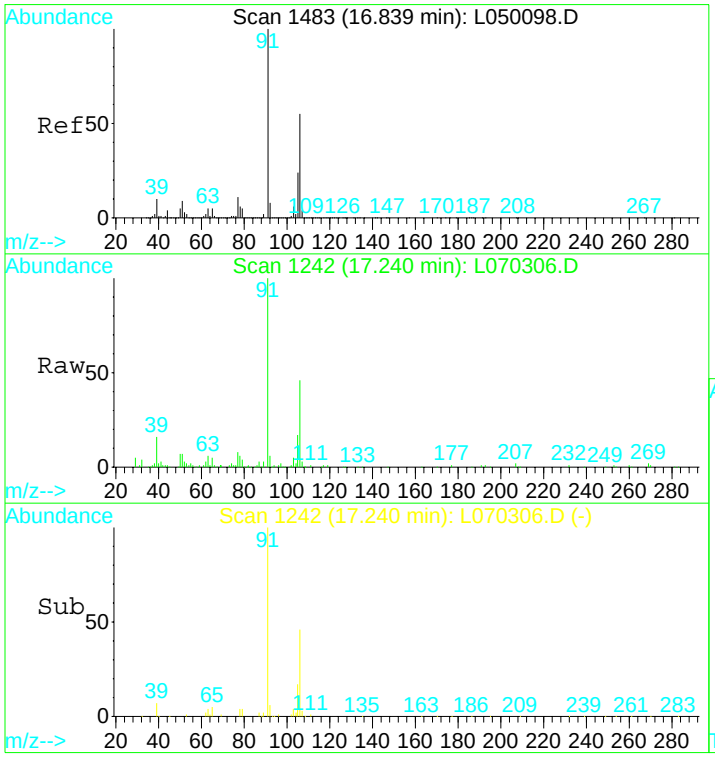


#52
Ethylbenzene
Concen: 0.61 PPBV
RT: 17.10 min Scan# 1228
Delta R.T. -0.01 min
Lab File: L070306.D
Acq: 11 Jul 2007 8:05 pm

Tgt Ion: 91 Resp: 222403

Ion	Ratio	Lower	Upper
91	100		
106	31.6	22.6	34.0

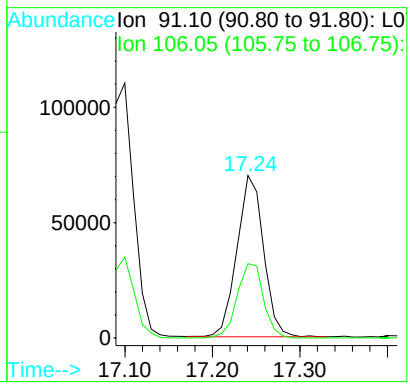


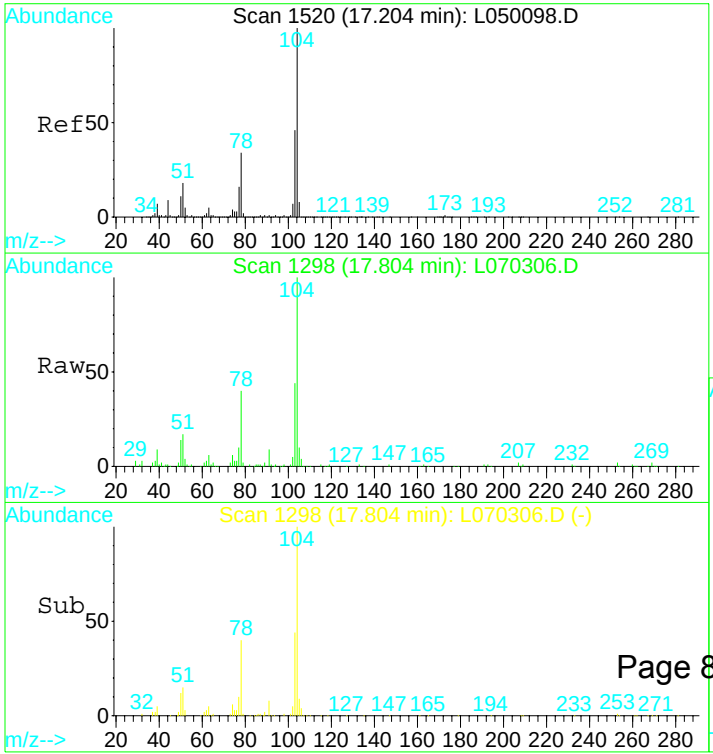


#53
m-/p-Xylenes
Concen: 0.49 PPBV
RT: 17.24 min Scan# 1242
Delta R.T. -0.01 min
Lab File: L070306.D
Acq: 11 Jul 2007 8:05 pm

Tgt Ion: 91 Resp: 148177

Ion	Ratio	Lower	Upper
91	100		
106	45.6	33.0	49.6

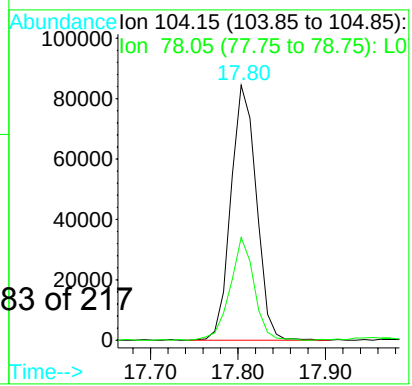




#55
Styrene
Concen: 0.66 PPBV
RT: 17.80 min Scan# 1298
Delta R.T. -0.01 min
Lab File: L070306.D
Acq: 11 Jul 2007 8:05 pm

Tgt Ion:104 Resp: 170880

Ion	Ratio	Lower	Upper
104	100		
78	38.0	45.8	68.6#



Library Search Compound Report

Data File : M:\MS2007Q3\LURCH\DATA\JUL07\07-11-07\L070306.D Vial: 14
Acq On : 11 Jul 2007 8:05 pm Operator: lag
Sample : WSP-02 , 500mL Inst : Lurch
Misc : 1340, 0707-03 Multiplr: 1.00
MS Integration Params: RTEINT.P

Quant Method : M:\MS2007Q1\L...\TO1415.M (RTE Integrator)
Title : TO14
Library : C:\DATABASE\NIST98.L

****

Peak Number 1 Methylenecyclopropane Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
4.76	49.06 PPBV	33731900	Bromochloromethane (IS)	11.61

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Methylenecyclopropane	54	C4H6	006142-73-0	4
2	Propane, 1-nitro-	89	C3H7NO2	000108-03-2	4
3	Propene	42	C3H6	000115-07-1	2
4	Propane, 1-nitro-	89	C3H7NO2	000108-03-2	2
5	Propene	42	C3H6	000115-07-1	1

Unknown alkane

****

Peak Number 2 Butane Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
5.20	18.44 PPBV	12679800	Bromochloromethane (IS)	11.61

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Butane	58	C4H10	000106-97-8	14
2	Isobutane	58	C4H10	000075-28-5	9
3	Propene	42	C3H6	000115-07-1	9
4	2-Oxetanone, 4,4-dimethyl-	100	C5H8O2	001823-52-5	9
5	Propane, 1-nitro-	89	C3H7NO2	000108-03-2	9

Unknown alkane

****

Peak Number 3 Propane Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
5.54	19.74 PPBV	13571100	Bromochloromethane (IS)	11.61

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Propane	44	C3H8	000074-98-6	9
2	Propane	44	C3H8	000074-98-6	9
3	Propane	44	C3H8	000074-98-6	9
4	Acetaldehyde	44	C2H4O	000075-07-0	5
5	Acetaldehyde	44	C2H4O	000075-07-0	5

Library Search Compound Report

Data File : M:\MS2007Q3\LURCH\DATA\JUL07\07-11-07\L070306.D Vial: 14
Acq On : 11 Jul 2007 8:05 pm Operator: lag
Sample : WSP-02 , 500mL Inst : Lurch
Misc : 1340, 0707-03 Multiplr: 1.00
MS Integration Params: RTEINT.P

Quant Method : M:\MS2007Q1\L...\TO1415.M (RTE Integrator)
Title : TO14
Library : C:\DATABASE\NIST98.L

****
Peak Number 4 Norflurane Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.06	128.08 PPBV	88068300	Bromochloromethane (IS)	11.61

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Norflurane	102	C2H2F4	000811-97-2	1
2	1,2-Ethanediol	62	C2H6O2	000107-21-1	1
3	Hydroxyurea	76	CH4N2O2	000127-07-1	1
4	Methane, difluoro-	52	CH2F2	000075-10-5	1
5	Tetrafluorohydrazine	104	F4N2	010036-47-2	1

Unknown

****
Peak Number 5 Ethanol Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.48	10.59 PPBV	7284740	Bromochloromethane (IS)	11.61

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Ethanol	46	C2H6O	000064-17-5	9
2	Ethanol	46	C2H6O	000064-17-5	5
3	Ethanol	46	C2H6O	000064-17-5	4
4	Acetic acid, hydroxy-	76	C2H4O3	000079-14-1	4
5	Methyl Alcohol	32	CH4O	000067-56-1	2

****
Peak Number 6 2-Propyn-1-ol, acetate Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.01	6.62 PPBV	4551470	Bromochloromethane (IS)	11.61

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Propyn-1-ol, acetate	98	C5H6O2	000627-09-8	9
2	Butane, 2,3-dimethyl-	86	C6H14	000079-29-8	7
3	Butane, 2,3-dimethyl-	86	C6H14	000079-29-8	7
4	Acetic acid ethenyl ester	86	C4H6O2	000108-05-4	4
5	Butane, 2,3-dimethyl-	86	C6H14	000079-29-8	4

Unknown

Library Search Compound Report

Data File : M:\MS2007Q3\LURCH\DATA\JUL07\07-11-07\L070306.D Vial: 14
Acq On : 11 Jul 2007 8:05 pm Operator: lag
Sample : WSP-02 , 500mL Inst : Lurch
Misc : 1340, 0707-03 Multiplr: 1.00
MS Integration Params: RTEINT.P

Quant Method : M:\MS2007Q1\L...\TO1415.M (RTE Integrator)
Title : TO14
Library : C:\DATABASE\NIST98.L

****
Peak Number 7 2-Propenoic acid, methyl ester Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.35	4.96 PPBV	3411970	Bromochloromethane (IS)	11.61

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Propenoic acid, methyl ester	86	C4H6O2	000096-33-3	38
2	2-Propenoic acid, methyl ester	86	C4H6O2	000096-33-3	38
3	Iron, tricarbonyl[(O,1,2,3-.eta.)-m	226	C7H6FeO5	051922-76-0	38
4	2-Propenoic acid, methyl ester	86	C4H6O2	000096-33-3	9
5	2-Propanone, oxime	73	C3H7NO	000127-06-0	9

****
Peak Number 8 cis-1-Nitro-1-propene Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.10	7.21 PPBV	9356840	Chlorobenzene-d5 (IS)	16.99

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	cis-1-Nitro-1-propene	87	C3H5NO2	027675-36-1	33
2	Acetaldehyde	44	C2H4O	000075-07-0	9
3	Propane	44	C3H8	000074-98-6	9
4	2-Methyl-3-vinyl-oxirane	84	C5H8O	006790-37-0	9
5	Formamide, N-(cyanomethyl)-	84	C3H4N2O	005018-27-9	9

Unknown

****
Peak Number 9 Butane, 2-ethoxy-2-methyl- Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.10	21.32 PPBV	27662000	Chlorobenzene-d5 (IS)	16.99

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Butane, 2-ethoxy-2-methyl-	116	C7H16O	000919-94-8	47
2	Oxirane, 3-ethyl-2,2-dimethyl-	100	C6H12O	001192-22-9	43
3	Hydrazine, 1,1-dimethyl-2-(1-methyl	130	C7H18N2	075267-97-9	38
4	3-Hexanol, 5-methyl-	116	C7H16O	000623-55-2	38
5	Propane, 1,1-diethoxy-	132	C7H16O2	004744-08-5	37

Unknown

Library Search Compound Report

Data File : M:\MS2007Q3\LURCH\DATA\JUL07\07-11-07\L070306.D Vial: 14
Acq On : 11 Jul 2007 8:05 pm Operator: lag
Sample : WSP-02 , 500mL Inst : Lurch
Misc : 1340, 0707-03 Multiplr: 1.00
MS Integration Params: RTEINT.P

Quant Method : M:\MS2007Q1\L...\TO1415.M (RTE Integrator)
Title : TO14
Library : C:\DATABASE\NIST98.L

****

Peak Number 10 1R-.alpha.-Pinene Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.20	59.28 PPBV	76933500	Chlorobenzene-d5 (IS)	16.99

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1R-.alpha.-Pinene	136	C10H16	007785-70-8	95
2	Bicyclo[3.1.1]hept-2-ene, 2,6,6-tri	136	C10H16	002437-95-8	93
3	1,3,6-Octatriene, 3,7-dimethyl-	136	C10H16	013877-91-3	91
4	1S-.alpha.-Pinene	136	C10H16	007785-26-4	83
5	Cyclohexene, 4-methylene-1-(1-methy	136	C10H16	000099-84-3	81

****

Peak Number 11 Cyclohexene, 4-methylene-1-(1- Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.08	6.69 PPBV	8679050	Chlorobenzene-d5 (IS)	16.99

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclohexene, 4-methylene-1-(1-methy	136	C10H16	000099-84-3	91
2	Bicyclo[3.1.1]heptane, 6,6-dimethyl	136	C10H16	018172-67-3	78
3	Bicyclo[3.1.1]heptane, 6,6-dimethyl	136	C10H16	018172-67-3	76
4	.beta.-Pinene	136	C10H16	000127-91-3	68
5	Bicyclo[3.1.0]hex-2-ene, 4-methyl-1	136	C10H16	028634-89-1	64

****

Peak Number 12 2H-Pyran-2-one Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.29	5.72 PPBV	7418690	Chlorobenzene-d5 (IS)	16.99

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2H-Pyran-2-one	96	C5H4O2	000504-31-4	91
2	2H-Pyran-2-one	96	C5H4O2	000504-31-4	86
3	Furan	68	C4H4O	000110-00-9	72
4	1,2-Butadiene, 3-methyl-	68	C5H8	000598-25-4	56
5	2,5-Furandione, 3-methyl-	112	C5H4O3	000616-02-4	56

Library Search Compound Report

Data File : M:\MS2007Q3\LURCH\DATA\JUL07\07-11-07\L070306.D Vial: 14
Acq On : 11 Jul 2007 8:05 pm Operator: lag
Sample : WSP-02 , 500mL Inst : Lurch
Misc : 1340, 0707-03 Multiplr: 1.00
MS Integration Params: RTEINT.P

Quant Method : M:\MS2007Q1\L...\TO1415.M (RTE Integrator)
Title : TO14
Library : C:\DATABASE\NIST98.L

****

Peak Number 13 Benzoic acid, 2-[(trimethylsil Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
20.63	2.34 PPBV	3041290	Chlorobenzene-d5 (IS)	16.99

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzoic acid, 2-[(trimethylsilyl)ox	282	C13H22O3Si2	003789-85-3	39
2	Benzoic acid, 2-[(trimethylsilyl)ox	282	C13H22O3Si2	003789-85-3	39
3	Benzoic acid, 2-[(trimethylsilyl)ox	282	C13H22O3Si2	003789-85-3	39
4	Benzeneethanamine, N-[(pentafluorop	475	C21H26F5NO2Si2	055429-85-1	37
5	Benzoic acid, 4-[(trimethylsilyl)ox	282	C13H22O3Si2	002078-13-9	33

Tentatively Identified Compound (LSC) summary

Operator ID: lag Date Acquired: 11 Jul 2007 8:05 pm
Data File: M:\MS2007Q3\LURCH\DATA\JUL07\07-11-07\L070306.D
Name: WSP-02 , 500mL
Misc: 1340, 0707-03
Method: M:\MS2007Q1\LURCH\METHODS\TO1415.M (RTE Integrator)
Title: TO14
Library Searched: C:\DATABASE\NIST98.L

TIC Top Hit name	RT	EstConc	Units	Area	IntStd	ISRT	ISArea	ISConc
Methylenecyclopropan	4.76	49.1	PPBV	33731900	ISTD01	11.61	13889400	20.2
Butane	5.20	18.4	PPBV	12679800	ISTD01	11.61	13889400	20.2
Propane	5.54	19.7	PPBV	13571100	ISTD01	11.61	13889400	20.2
Norflurane	6.06	128.1	PPBV	88068300	ISTD01	11.61	13889400	20.2
Ethanol	7.48	10.6	PPBV	7284740	ISTD01	11.61	13889400	20.2
2-Propyn-1-ol, aceta	11.01	6.6	PPBV	4551470	ISTD01	11.61	13889400	20.2
2-Propenoic acid, me	11.35	5.0	PPBV	3411970	ISTD01	11.61	13889400	20.2
cis-1-Nitro-1-propen	16.10	7.2	PPBV	9356840	ISTD03	16.99	26474400	20.4
Butane, 2-ethoxy-2-m	18.10	21.3	PPBV	27662000	ISTD03	16.99	26474400	20.4
1R-.alpha.-Pinene	18.20	59.3	PPBV	76933500	ISTD03	16.99	26474400	20.4
Cyclohexene, 4-methy	19.08	6.7	PPBV	8679050	ISTD03	16.99	26474400	20.4
2H-Pyran-2-one	19.29	5.7	PPBV	7418690	ISTD03	16.99	26474400	20.4
Benzoic acid, 2-[(tr	20.63	2.3	PPBV	3041290	ISTD03	16.99	26474400	20.4

L070306.D TO1415.M Thu Jul 12 12:45:27 2007

Library Search Compound Report

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  Data File : M:\MS2007Q3\LURCH\DATA\JUL07\07-11-07\L070306.D Vial: 14
  Acq On    : 11 Jul 2007    8:05 pm                    Operator: lag
  Sample    : WSP-02 , 500mL                            Inst    : Lurch
  Misc      : 1340, 0707-03                             Multiplr: 1.00
  MS Integration Params: RTEINT.P

  Quant Method : M:\MS2007Q1\L...\TO1415.M (RTE Integrator)
  Title        : TO14
  Library      : C:\DATABASE\NIST98.L
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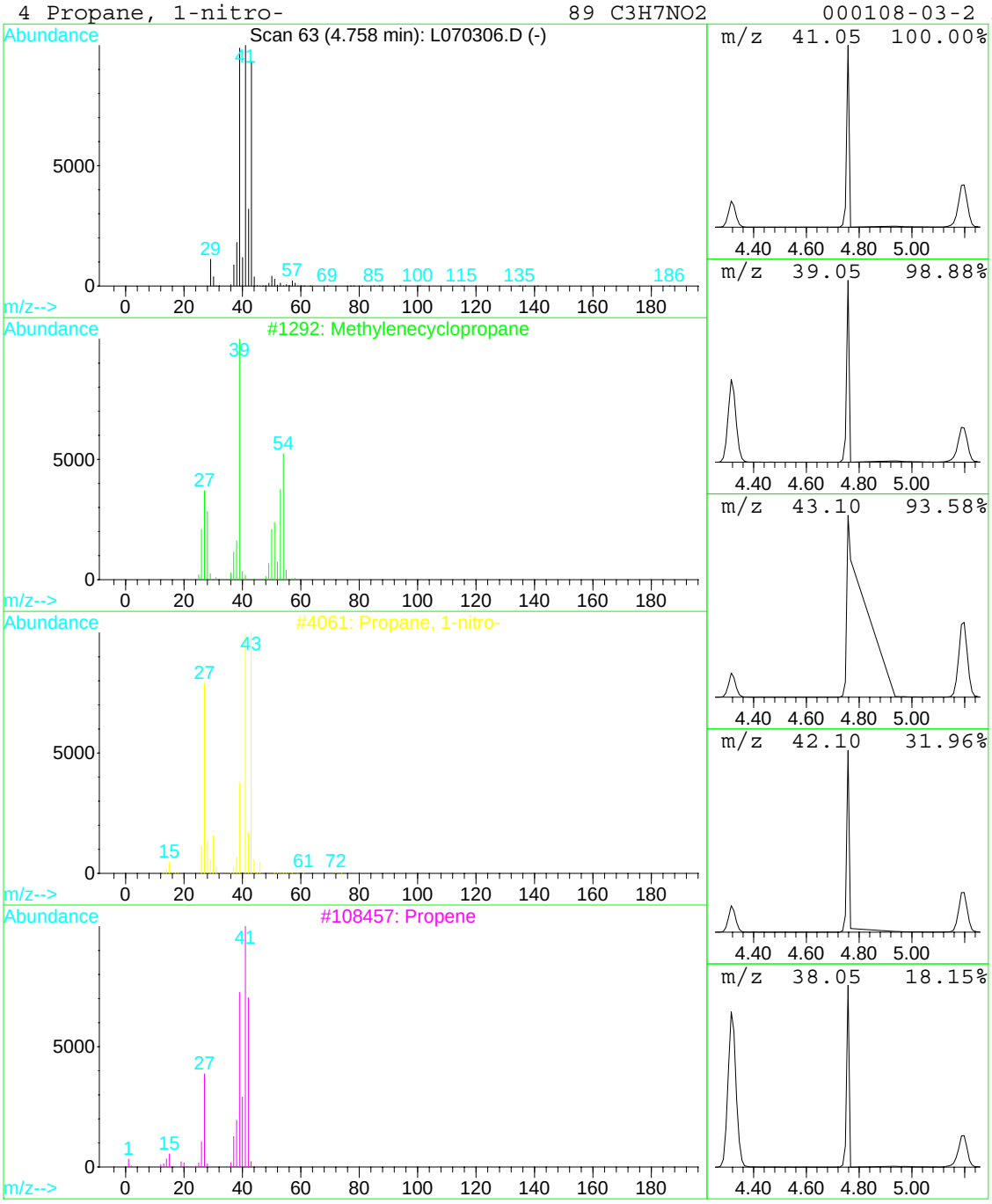
****

Peak Number 1 Methylenecyclopropane Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
4.76	49.06 PPBV	33731900	Bromochloromethane (IS)	11.61

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Methylenecyclopropane	54	C4H6	006142-73-0	4
2	Propane, 1-nitro-	89	C3H7NO2	000108-03-2	4
3	Propene	42	C3H6	000115-07-1	2
4	Propane, 1-nitro-	89	C3H7NO2	000108-03-2	2



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Acq On : 11 Jul 2007 8:05 pm Operator: lag
Sample : WSP-02 , 500mL Inst : Lurch
Misc : 1340, 0707-03 Multiplr: 1.00
MS Integration Params: RTEINT.P

Quant Method : M:\MS2007Q1\L...\TO1415.M (RTE Integrator)
Title : TO14
Library : C:\DATABASE\NIST98.L

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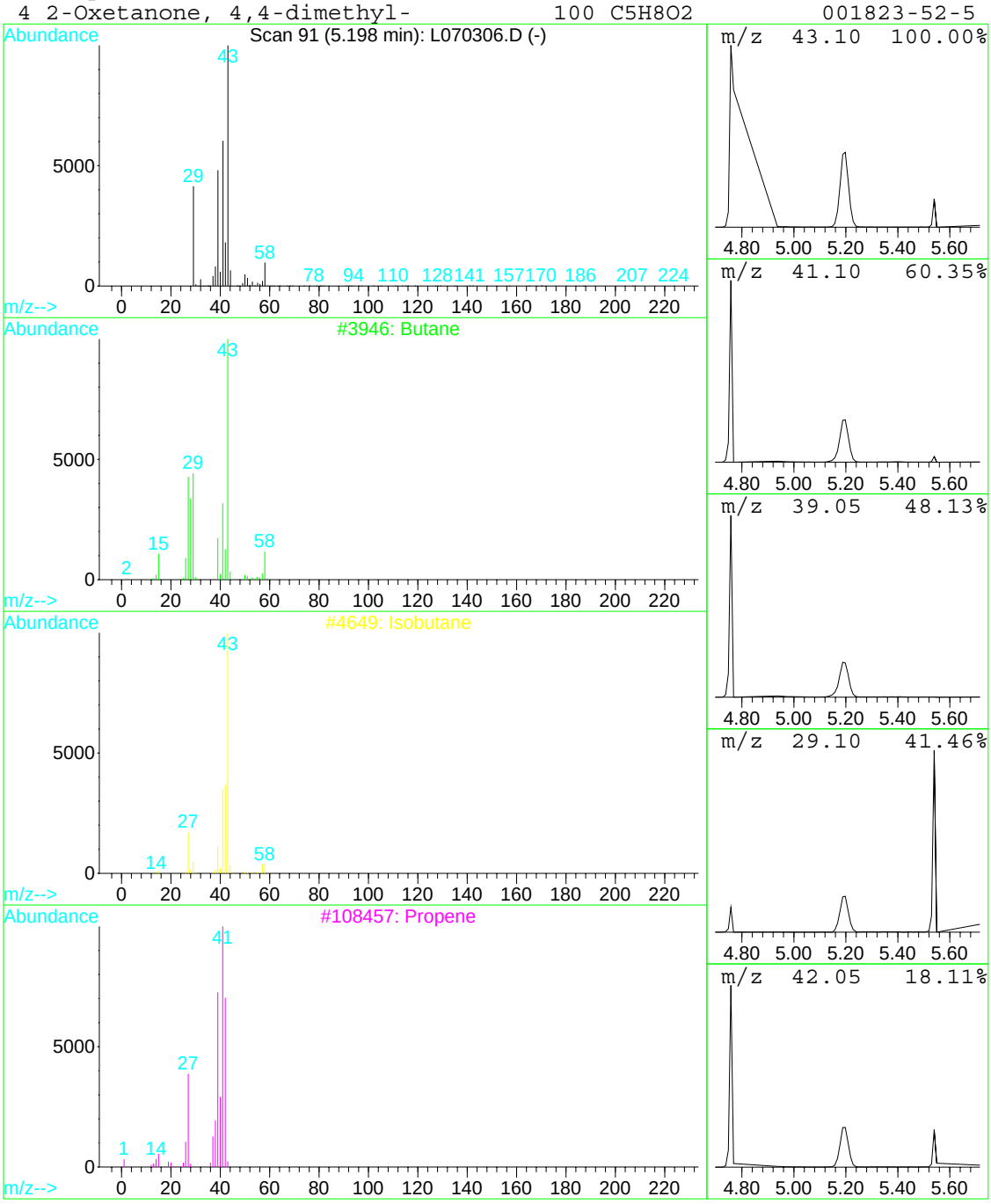
Peak Number 2 Butane Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
5.20	18.44 PPBV	12679800	Bromochloromethane (IS)	11.61

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Butane	58	C4H10	000106-97-8	14
2	Isobutane	58	C4H10	000075-28-5	9
3	Propene	42	C3H6	000115-07-1	9
4	2-Oxetanone, 4,4-dimethyl-	100	C5H8O2	001823-52-5	9



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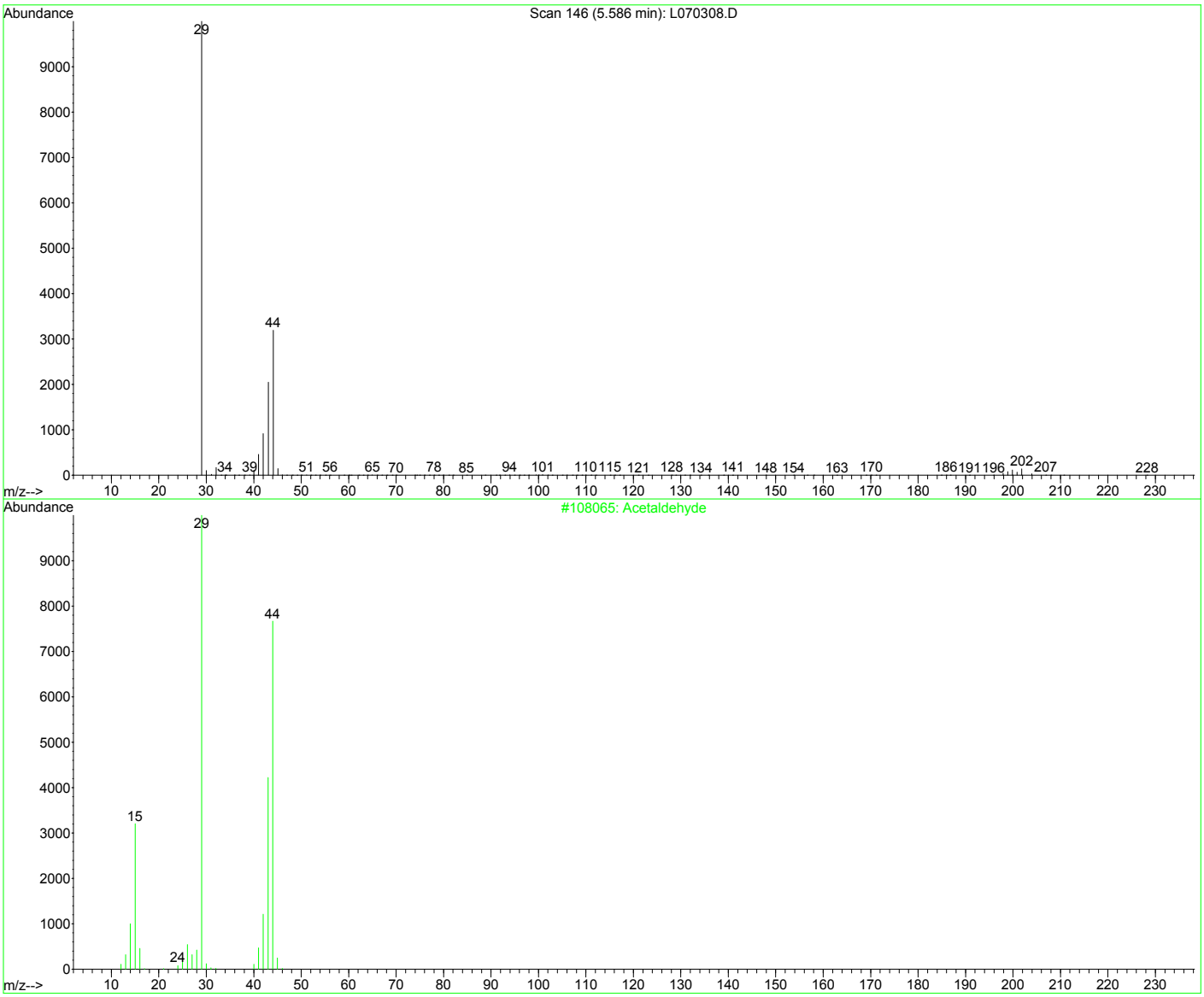

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Acq On : 11 Jul 2007 8:05 pm Operator: lag
Sample : WSP-02 , 500mL Inst : Lurch
Misc : 1340, 0707-03 Multiplr: 1.00
MS Integration Params: RTEINT.P

Quant Method : M:\MS2007Q1\L...\TO1415.M (RTE Integrator)
Title : TO14
Library : C:\DATABASE\NIST98.L

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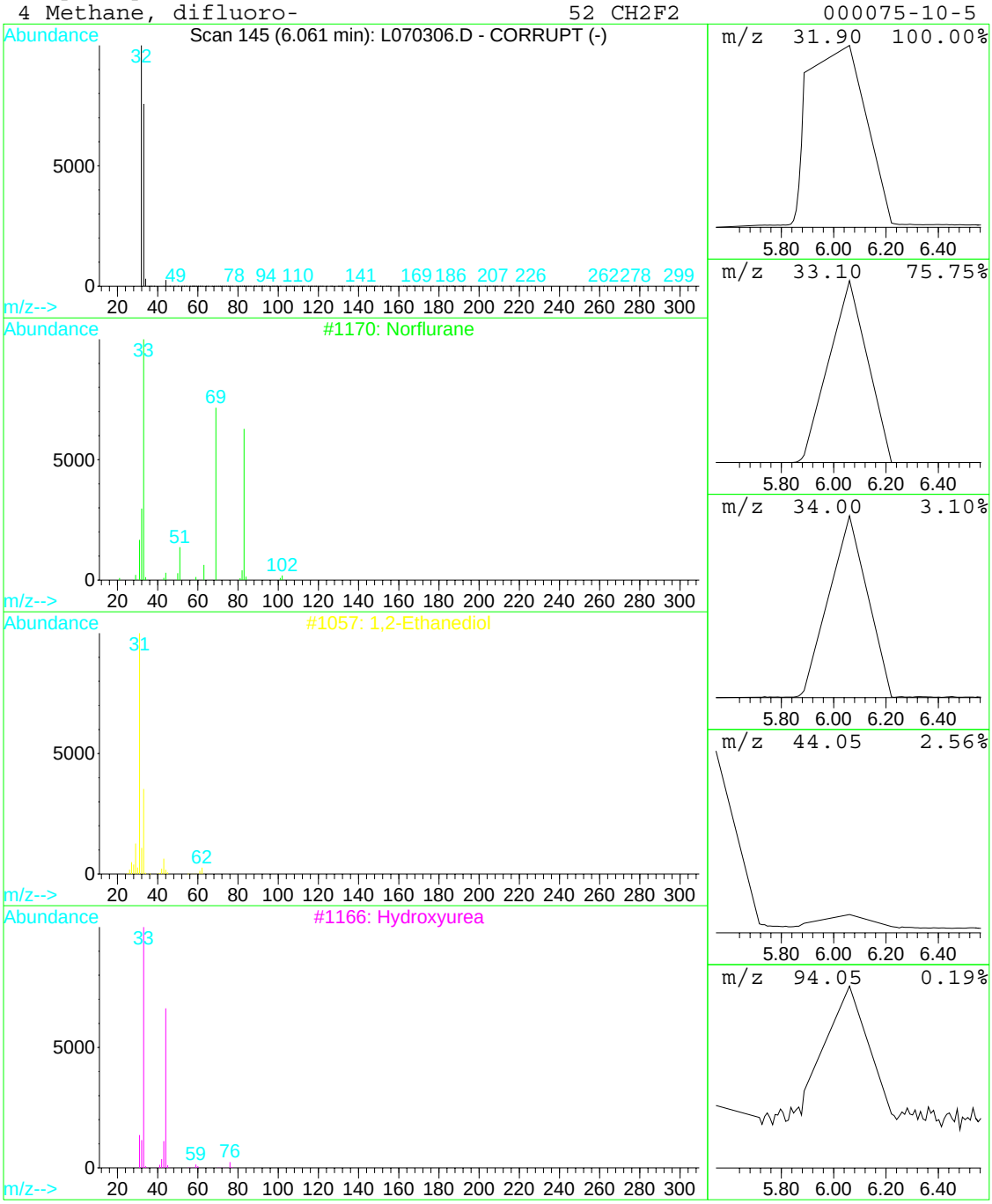
Peak Number 4 Norflurane Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.06	128.08 PPBV	88068300	Bromochloromethane (IS)	11.61

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Norflurane	102	C2H2F4	000811-97-2	1
2	1,2-Ethanediol	62	C2H6O2	000107-21-1	1
3	Hydroxyurea	76	CH4N2O2	000127-07-1	1
4	Methane, difluoro-	52	CH2F2	000075-10-5	1



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Acq On : 11 Jul 2007 8:05 pm Operator: lag
Sample : WSP-02 , 500mL Inst : Lurch
Misc : 1340, 0707-03 Multiplr: 1.00
MS Integration Params: RTEINT.P

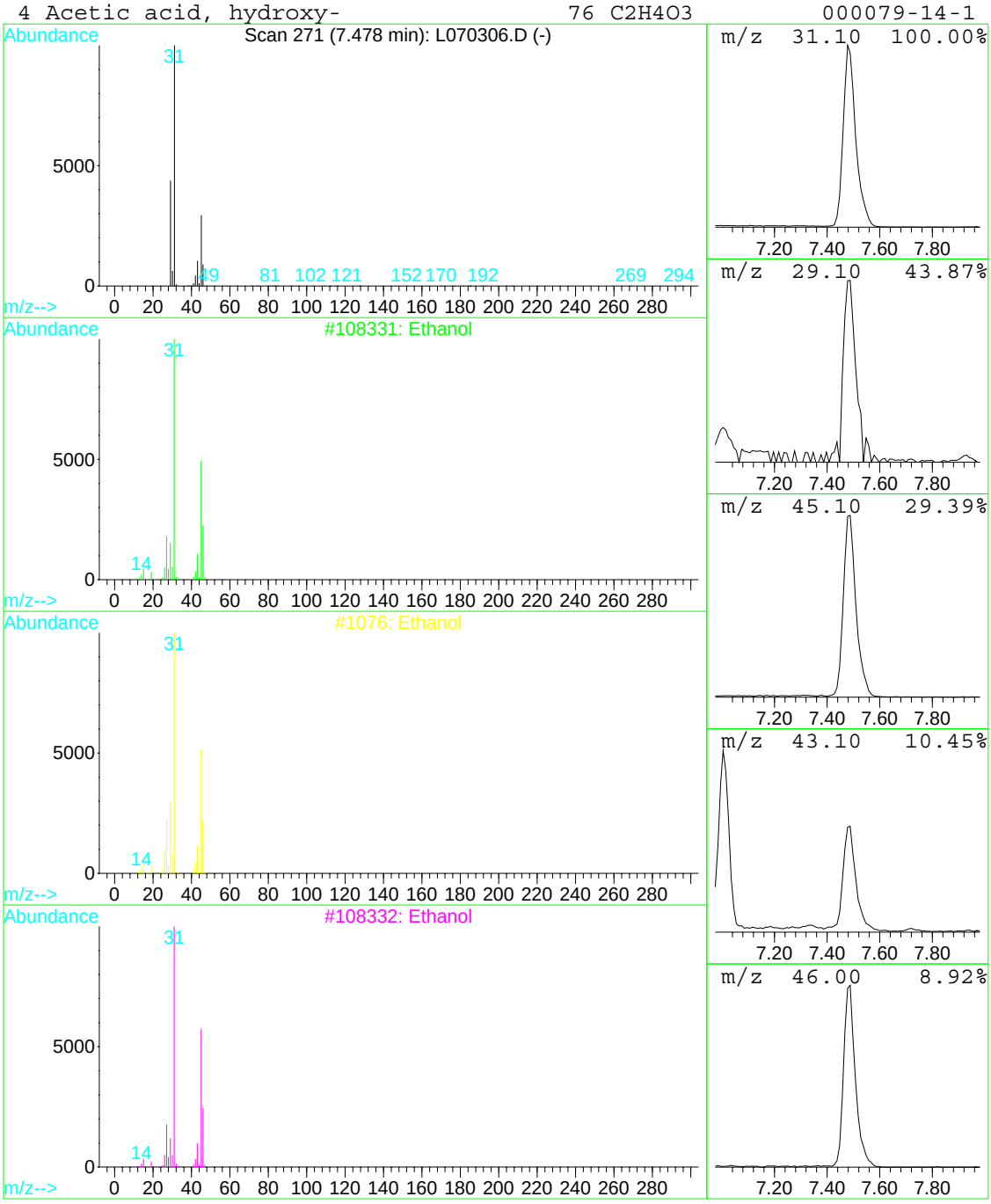
Quant Method : M:\MS2007Q1\L...\TO1415.M (RTE Integrator)
Title : TO14
Library : C:\DATABASE\NIST98.L

****

Peak Number 5 Ethanol Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.48	10.59 PPBV	7284740	Bromochloromethane (IS)	11.61

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Ethanol	46	C2H6O	000064-17-5	9
2	Ethanol	46	C2H6O	000064-17-5	5
3	Ethanol	46	C2H6O	000064-17-5	4
4	Acetic acid, hydroxy-	76	C2H4O3	000079-14-1	4



Library Search Compound Report

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  Sample    : WSP-02 , 500mL                            Inst    : Lurch
  Misc      : 1340, 0707-03                             Multiplr: 1.00
  MS Integration Params: RTEINT.P

  Quant Method : M:\MS2007Q1\L...\TO1415.M (RTE Integrator)
  Title        : TO14
  Library      : C:\DATABASE\NIST98.L
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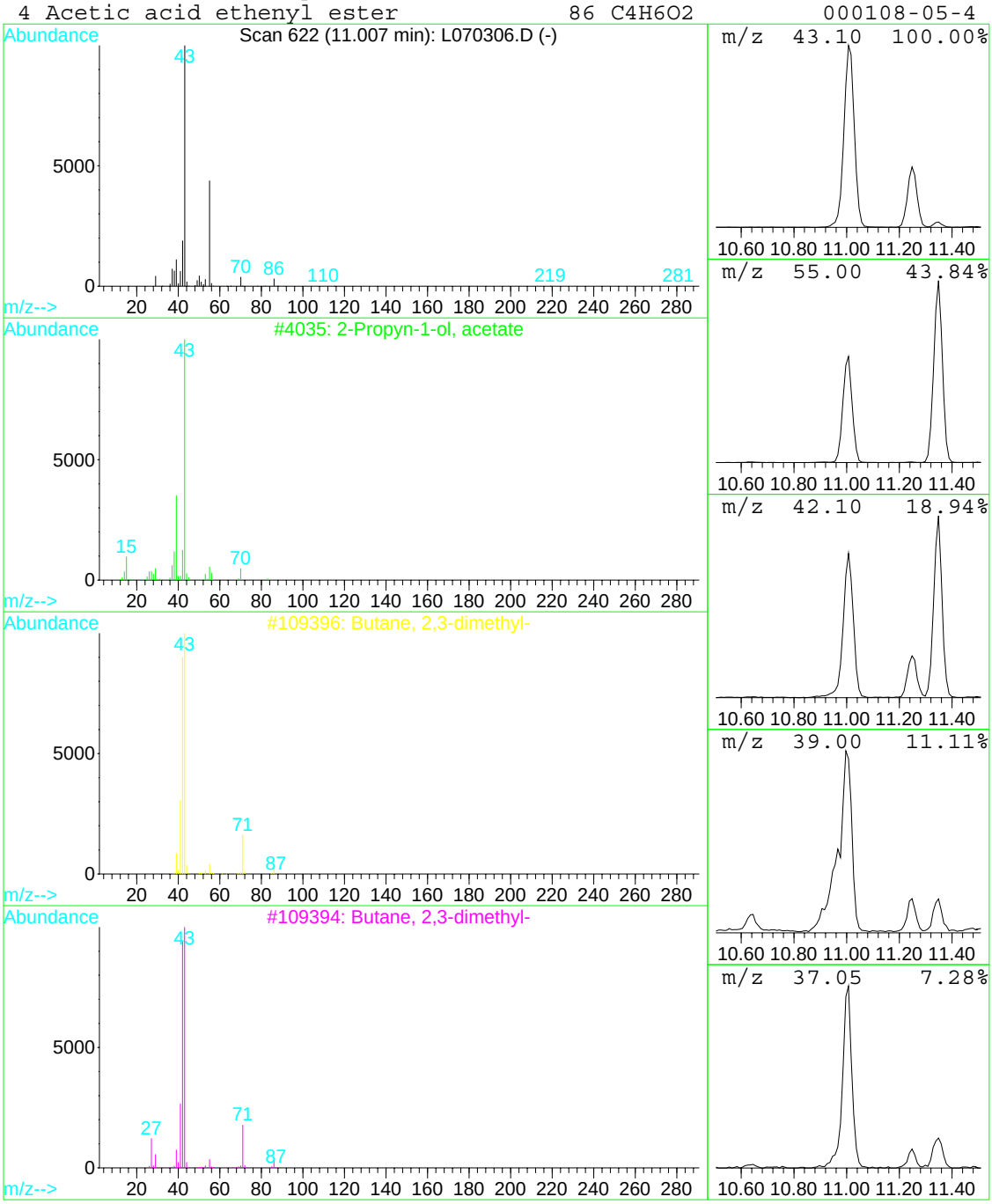
****

Peak Number 6 2-Propyn-1-ol, acetate Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.01	6.62 PPBV	4551470	Bromochloromethane (IS)	11.61

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Propyn-1-ol, acetate	98	C5H6O2	000627-09-8	9
2	Butane, 2,3-dimethyl-	86	C6H14	000079-29-8	7
3	Butane, 2,3-dimethyl-	86	C6H14	000079-29-8	7
4	Acetic acid ethenyl ester	86	C4H6O2	000108-05-4	4



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Acq On : 11 Jul 2007 8:05 pm Operator: lag
Sample : WSP-02 , 500mL Inst : Lurch
Misc : 1340, 0707-03 Multiplr: 1.00
MS Integration Params: RTEINT.P

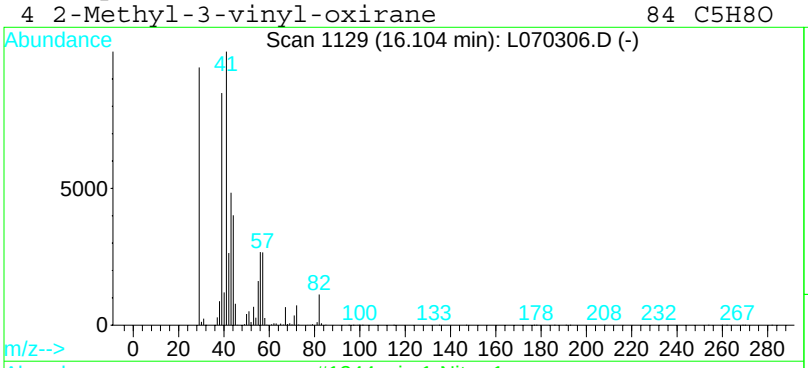
Quant Method : M:\MS2007Q1\L...\TO1415.M (RTE Integrator)
Title : TO14
Library : C:\DATABASE\NIST98.L

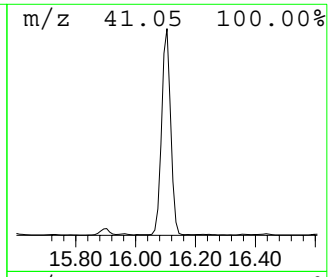
****

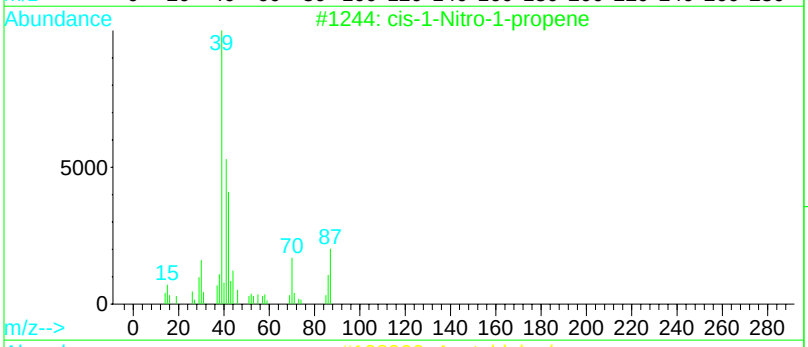
Peak Number 8 cis-1-Nitro-1-propene Concentration Rank 8

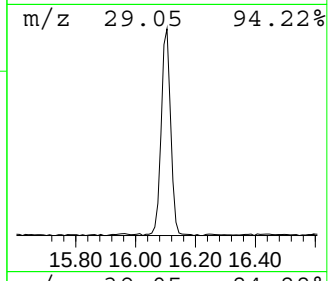
R.T.	EstConc	Area	Relative to ISTD	R.T.
16.10	7.21 PPBV	9356840	Chlorobenzene-d5 (IS)	16.99

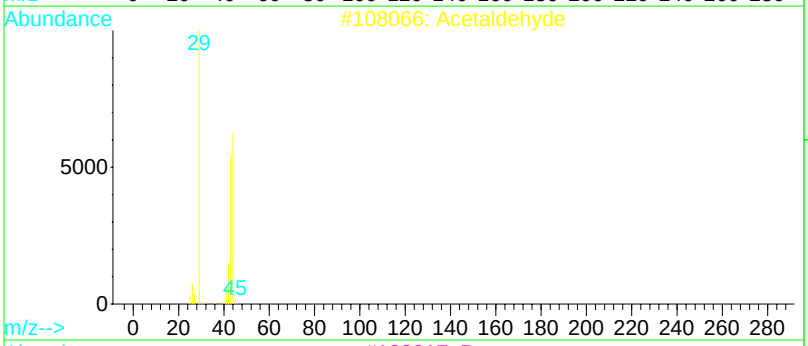
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	cis-1-Nitro-1-propene	87	C3H5NO2	027675-36-1	33
2	Acetaldehyde	44	C2H4O	000075-07-0	9
3	Propane	44	C3H8	000074-98-6	9
4	2-Methyl-3-vinyl-oxirane	84	C5H8O	006790-37-0	9

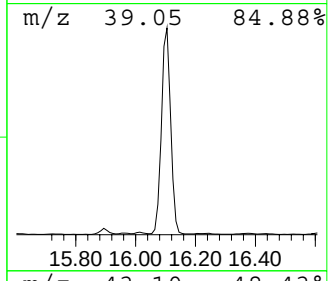


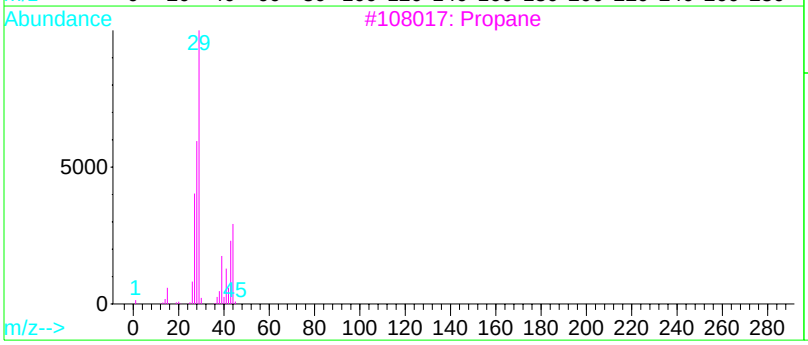


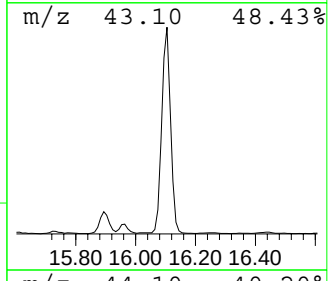


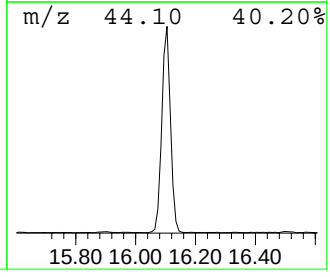












Library Search Compound Report

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  Acq On    : 11 Jul 2007    8:05 pm                    Operator: lag
  Sample    : WSP-02 , 500mL                            Inst    : Lurch
  Misc      : 1340, 0707-03                             Multiplr: 1.00
  MS Integration Params: RTEINT.P

  Quant Method : M:\MS2007Q1\L...\TO1415.M (RTE Integrator)
  Title        : TO14
  Library      : C:\DATABASE\NIST98.L
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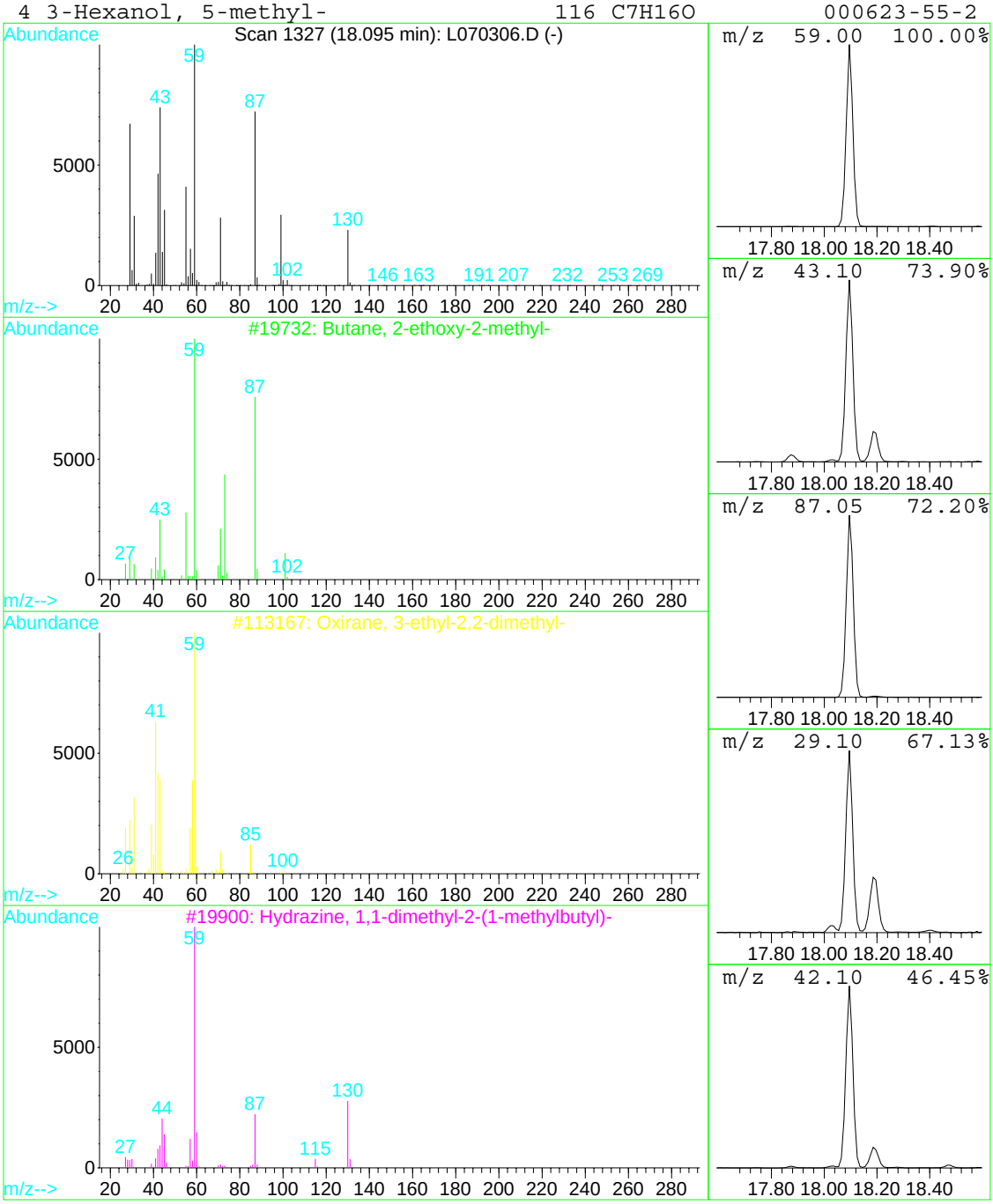
****

Peak Number 9 Butane, 2-ethoxy-2-methyl- Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.10	21.32 PPBV	27662000	Chlorobenzene-d5 (IS)	16.99

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Butane, 2-ethoxy-2-methyl-	116	C7H16O	000919-94-8	47
2	Oxirane, 3-ethyl-2,2-dimethyl-	100	C6H12O	001192-22-9	43
3	Hydrazine, 1,1-dimethyl-2-(1-methyl	130	C7H18N2	075267-97-9	38
4	3-Hexanol, 5-methyl-	116	C7H16O	000623-55-2	38



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  Sample    : WSP-02 , 500mL                            Inst    : Lurch
  Misc      : 1340, 0707-03                             Multiplr: 1.00
  MS Integration Params: RTEINT.P

  Quant Method : M:\MS2007Q1\L...\TO1415.M (RTE Integrator)
  Title        : TO14
  Library      : C:\DATABASE\NIST98.L
**********************************************************************
Peak Number 10  1R-.alpha.-Pinene              Concentration Rank  2
```
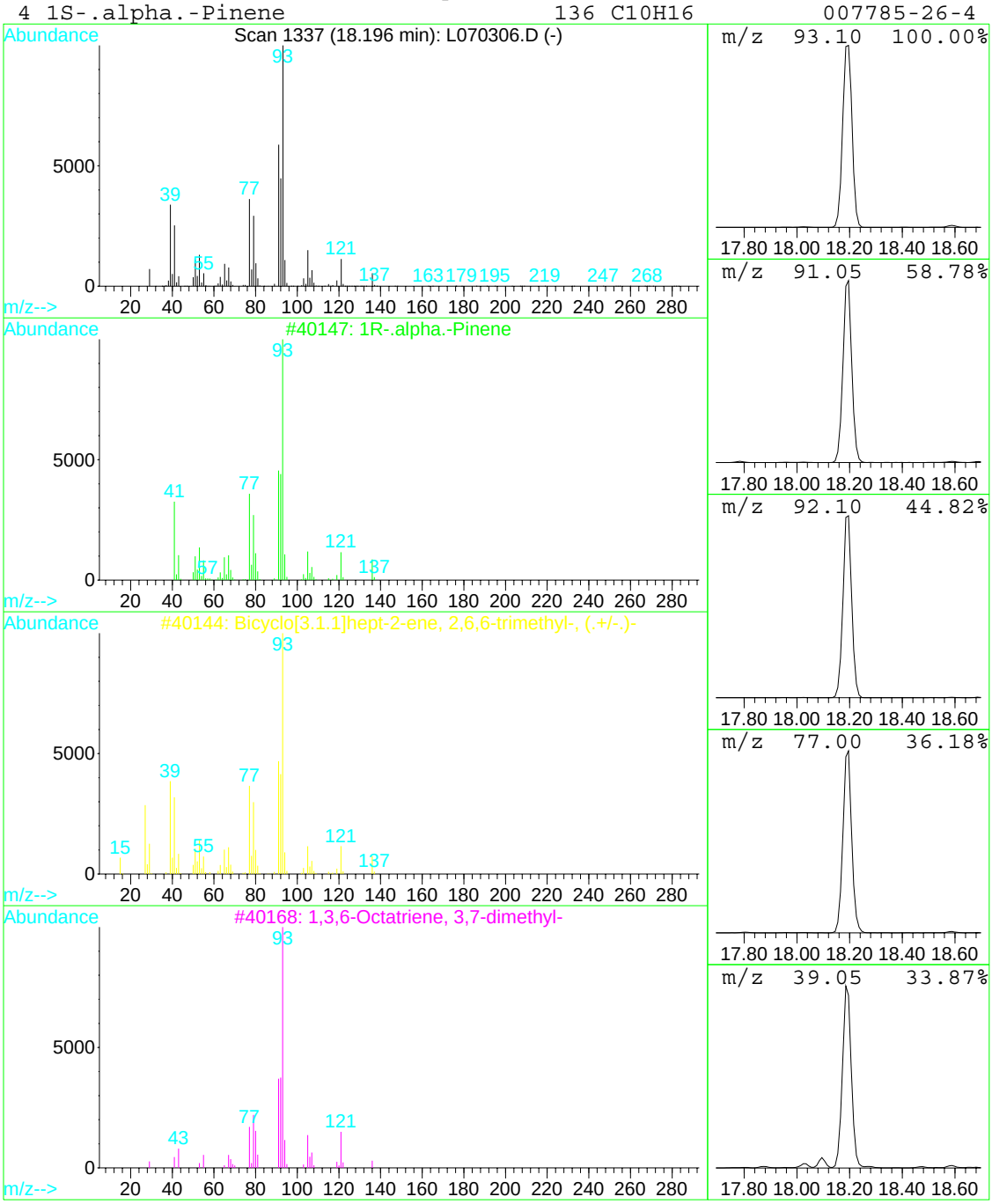

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.20	59.28 PPBV	76933500	Chlorobenzene-d5 (IS)	16.99

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1R-.alpha.-Pinene	136	C10H16	007785-70-8	95
2	Bicyclo[3.1.1]hept-2-ene, 2,6,6-tri	136	C10H16	002437-95-8	93
3	1,3,6-Octatriene, 3,7-dimethyl-	136	C10H16	013877-91-3	91
4	1S-.alpha.-Pinene	136	C10H16	007785-26-4	83



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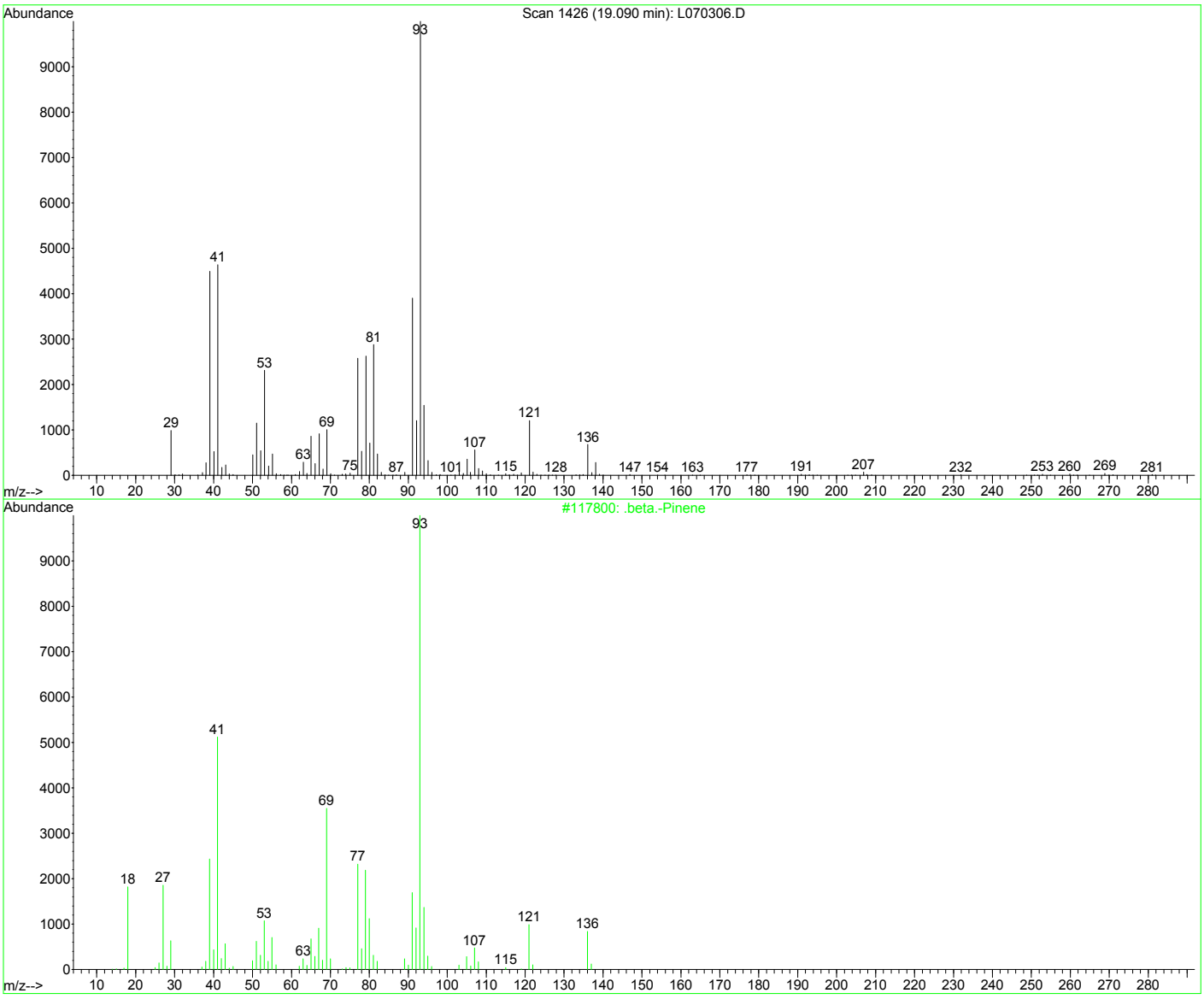
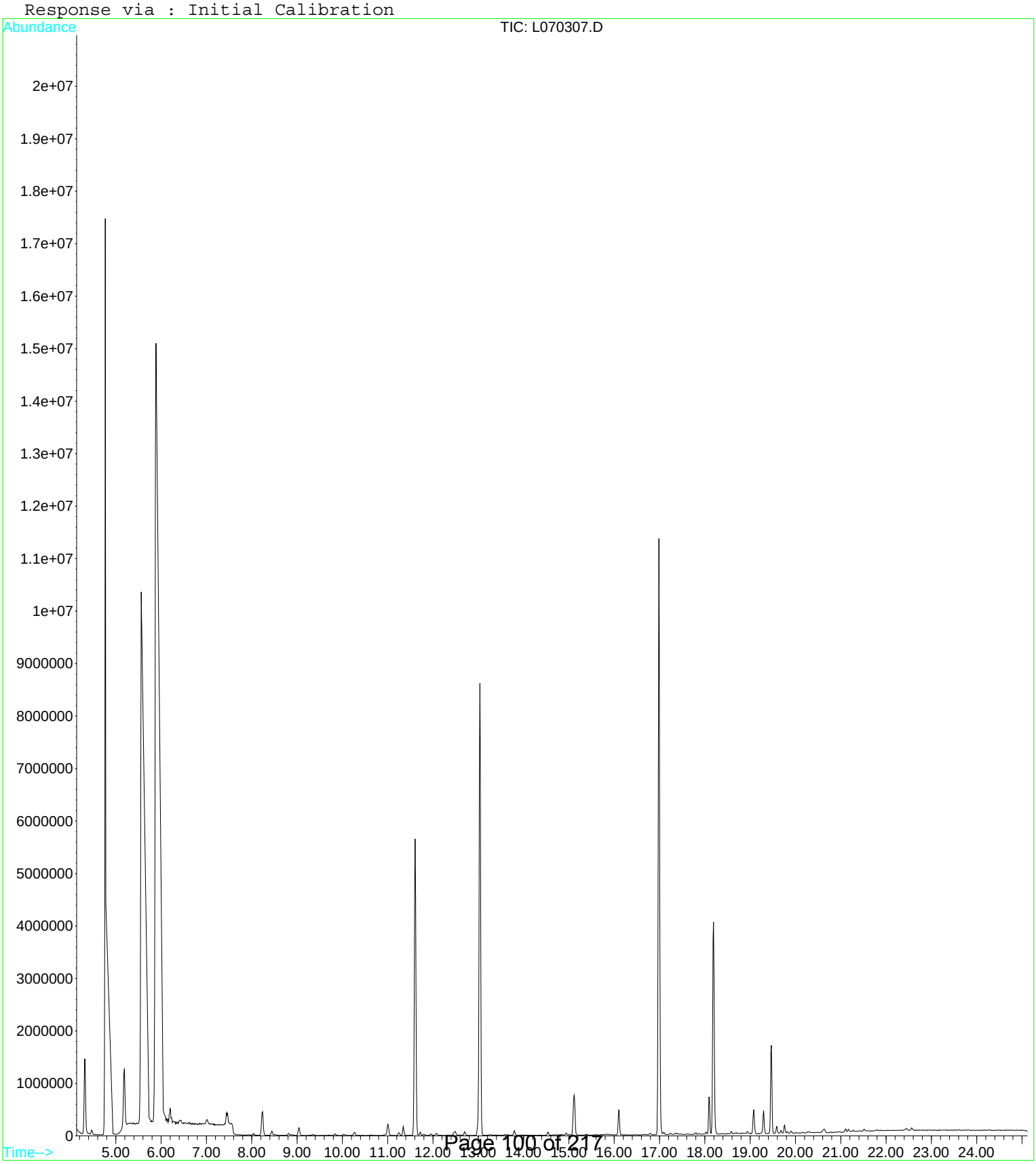


Quantitation Report

Data File : M:\MS2007Q3\LURCH\DATA\JUL07\07-11-07\L070307.D Vial: 15
Acq On : 11 Jul 2007 8:48 pm Operator: lag
Sample : WSP-02 , 100mL Inst : Lurch
Misc : 1340, 0707-03, df=5* Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Jul 12 9:13 2007 Quant Results File: TO1415.RES

Method : M:\MS2007Q1\LURCH\METHODS\TO1415.M (RTE Integrator)
Title : TO14
Last Update : Tue Apr 17 17:01:10 2007
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data File : M:\MS2007Q3\LURCH\DATA\JUL07\07-11-07\L070307.D Vial: 15
Acq On : 11 Jul 2007 8:48 pm Operator: lag
Sample : WSP-02 , 100mL Inst : Lurch
Misc : 1340, 0707-03, df=5* Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Jul 12 9:13 2007 Quant Results File: TO1415.RES

Quant Method : M:\MS2007Q1\L...\TO1415.M (RTE Integrator)
Title : TO14
Last Update : Tue Apr 17 17:01:10 2007
Response via : Initial Calibration
DataAcq Meth : MM-624C

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane (IS)	11.61	130	2044627	20.20	PPBV	0.00
31) 1,4-Difluorobenzene (IS)	13.03	114	8811722	20.00	PPBV	0.00
45) Chlorobenzene-d5 (IS)	16.99	117	7600835	20.40	PPBV	0.00
Target Compounds						Qvalue
2) propylene	4.32	41	245085	22.79	PPBV #	35
3) Freon12(CCl2F2)	0.00	85	0	N.D.	d	
4) Chloromethane	0.00	50	0	N.D.		
5) Freon 114 (C2Cl2F4)	0.00	85	0	N.D.		
6) Chloroethene	0.00	62	0	N.D.	d	
7) 1,3-Butadiene	0.00	39	0	N.D.	d	
8) Bromomethane	0.00	94	0	N.D.	d	
9) Chloroethane	0.00	64	0	N.D.		
10) Bromoethene	0.00	106	0	N.D.		
11) Acetone	8.23	43	918519	7.50	PPBV #	86
12) Freon 11 (CCl3F)	0.00	101	0	N.D.	d	
13) Isopropyl alcohol	0.00	45	0	N.D.	d	
14) 1,1-Dichloroethene	0.00	61	0	N.D.		
15) Methylene chloride	0.00	49	0	N.D.	d	
16) Allyl chloride	0.00	76	0	N.D.		
17) Freon 113 (C2Cl3F3)	0.00	151	0	N.D.		
18) Carbon disulfide	0.00	76	0	N.D.	d	
19) trans-1,2-Dichloroethene	0.00	61	0	N.D.		
20) 1,1-Dichloroethane	0.00	63	0	N.D.		
21) Methyl tert-butyl ether	0.00	73	0	N.D.		
22) Vinyl acetate	0.00	43	0	N.D.		
23) Methyl ethyl ketone (2-But	0.00	72	0	N.D.	d	
24) cis-1,2-Dichloroethylene	0.00	61	0	N.D.	d	
25) Hexane	0.00	57	0	N.D.	d	
26) Ethyl acetate	0.00	45	0	N.D.	d	
27) Chloroform	0.00	83	0	N.D.	d	
28) Tetrahydrofuran	0.00	72	0	N.D.		
29) 1,2-Dichloroethane	0.00	62	0	N.D.	d	
30) 1,1,1-Trichloroethane	0.00	97	0	N.D.	d	
32) Benzene	0.00	78	0	N.D.	d	
33) Carbon tetrachloride	0.00	117	0	N.D.	d	
34) Cyclohexane	0.00	56	0	N.D.	d	
35) 1,2-Dichloropropane	0.00	63	0	N.D.		
36) Bromodichloromethane	0.00	83	0	N.D.		
37) 2,2,4-Trimethylpentane	0.00	57	0	N.D.	d	
38) Trichloroethene	0.00	130	0	N.D.		
39) 1,4-Dioxane	0.00	88	0	N.D.		
40) Heptane	0.00	57	0	N.D.	d	
41) cis-1,3-Dichloropropene	0.00	75	0	N.D.		
42) Methyl isobutyl ketone	0.00	43	0	N.D.	d	
43) trans-1,3-Dichloropropene	0.00	75	0	N.D.		
44) 1,1,2-Trichloroethane	0.00	97	0	N.D.		
46) Toluene	15.13	91	535504	2.44	PPBV	100
47) 2-Hexanone Methyl butyl ke	0.00	43	0	N.D.	d	
48) Dibromochloromethane	0.00	129	0	N.D.		
49) 1,2-Dibromoethane	0.00	107	0	N.D.		
50) Tetrachloroethene	0.00	166	0	N.D.	d	
51) Chlorobenzene	0.00	112	0	N.D.	d	
52) Ethylbenzene	0.00	91	0	N.D.	d	
53) m-/p-Xylenes	0.00	91	0	N.D.	d	
54) Bromoform	0.00	173	0	N.D.		
55) Styrene	0.00	104	0	N.D.	d	
56) o-Xylene	0.00	91	0	N.D.	d	

(#) = qualifier out of range (m) = manual integration
L070307.D TO1415.M Thu Jul 12 12:46:32 2007 Page 1

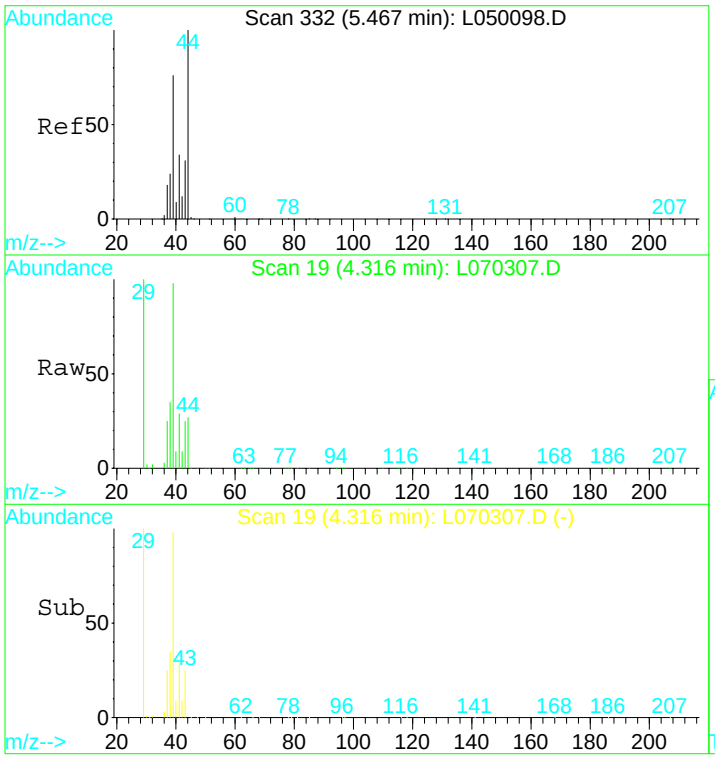
Quantitation Report (QT Reviewed)

Data File : M:\MS2007Q3\LURCH\DATA\JUL07\07-11-07\L070307.D Vial: 15
Acq On : 11 Jul 2007 8:48 pm Operator: lag
Sample : WSP-02 , 100mL Inst : Lurch
Misc : 1340, 0707-03, df=5* Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Jul 12 9:13 2007 Quant Results File: TO1415.RES

Quant Method : M:\MS2007Q1\L...\TO1415.M (RTE Integrator)
Title : TO14
Last Update : Tue Apr 17 17:01:10 2007
Response via : Initial Calibration
DataAcq Meth : MM-624C

	Compound	R.T.	QIon	Response	Conc Unit	Qvalue
57)	1,1,2,2,-Tetrachloroethane	0.00	83	0	N.D. d	
58)	4-Ethyltoluene	0.00	105	0	N.D. d	
59)	1,3,5-Trimethylbenzene	0.00	105	0	N.D. d	
60)	1,2,4-Trimethylbenzene	0.00	105	0	N.D. d	
61)	Benzyl chloride	0.00	91	0	N.D. d	
62)	1,3-Dichlorobenzene	0.00	146	0	N.D.	
63)	1,4-Dichlorobenzene	0.00	146	0	N.D.	
64)	1,2-Dichlorobenzene	0.00	146	0	N.D.	
65)	1,2,4-Trichlorobenzene	0.00	180	0	N.D.	
66)	Hexachlorobutadiene	0.00	225	0	N.D. d	

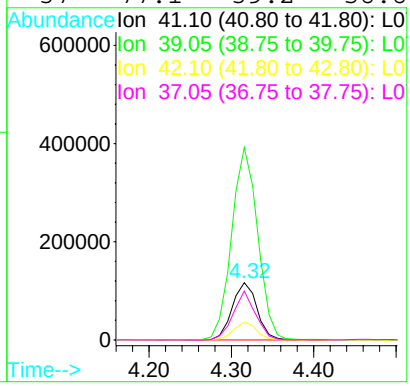
(#) = qualifier out of range (m) = manual integration

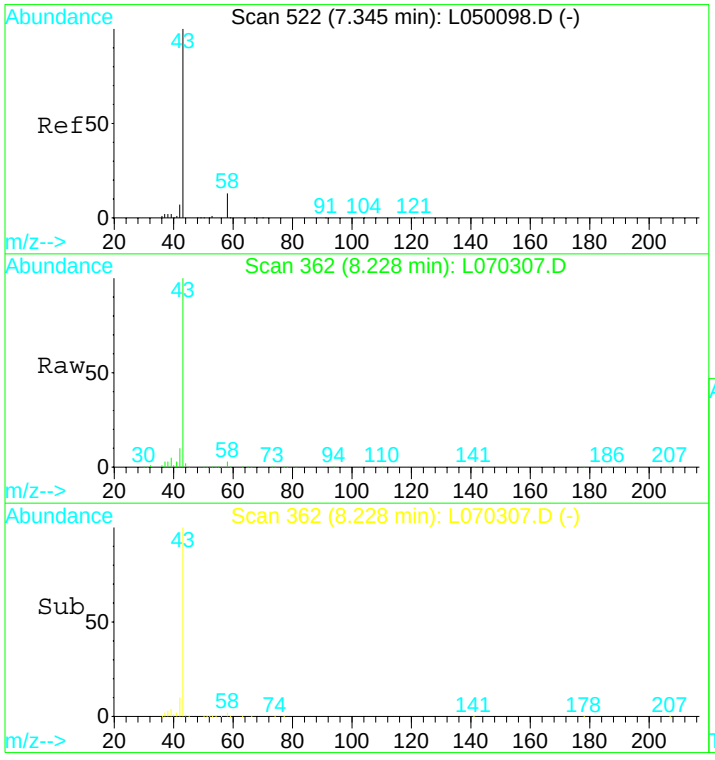


#2
propylene
Concen: 22.79 PPBV
RT: 4.32 min Scan# 19
Delta R.T. -0.01 min
Lab File: L070307.D
Acq: 11 Jul 2007 8:48 pm

Tgt Ion: 41 Resp: 245085

Ion	Ratio	Lower	Upper
41	100		
39	349.8	177.2	265.8#
42	29.5	25.8	38.6
37	77.1	39.2	58.8#

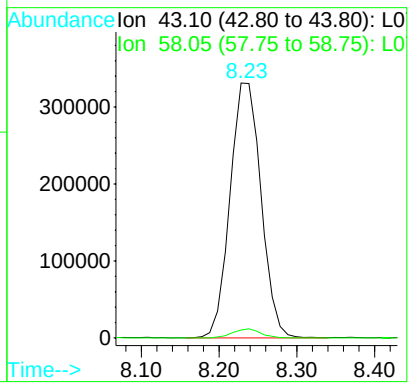


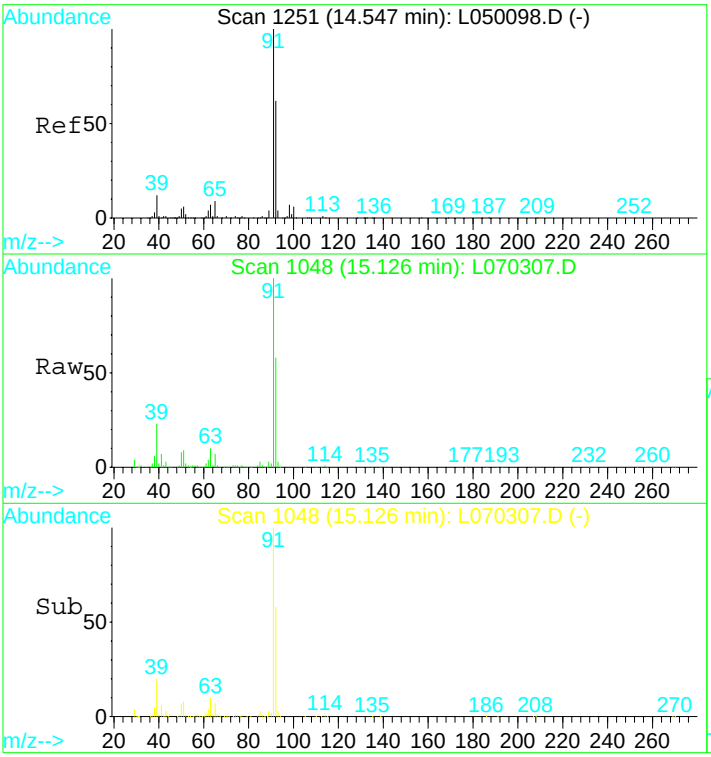


#11
Acetone
Concen: 7.50 PPBV
RT: 8.23 min Scan# 362
Delta R.T. -0.01 min
Lab File: L070307.D
Acq: 11 Jul 2007 8:48 pm

Tgt Ion: 43 Resp: 918519

Ion	Ratio	Lower	Upper
43	100		
58	3.2	6.6	9.8#

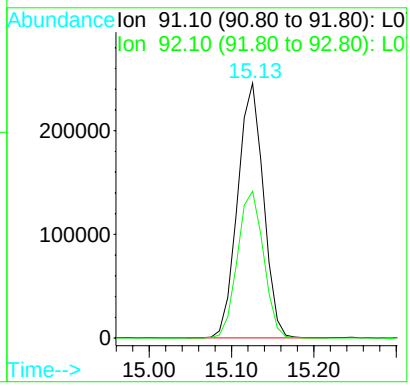




#46
Toluene
Concen: 2.44 PPBV
RT: 15.13 min Scan# 1048
Delta R.T. -0.01 min
Lab File: L070307.D
Acq: 11 Jul 2007 8:48 pm

Tgt Ion: 91 Resp: 535504

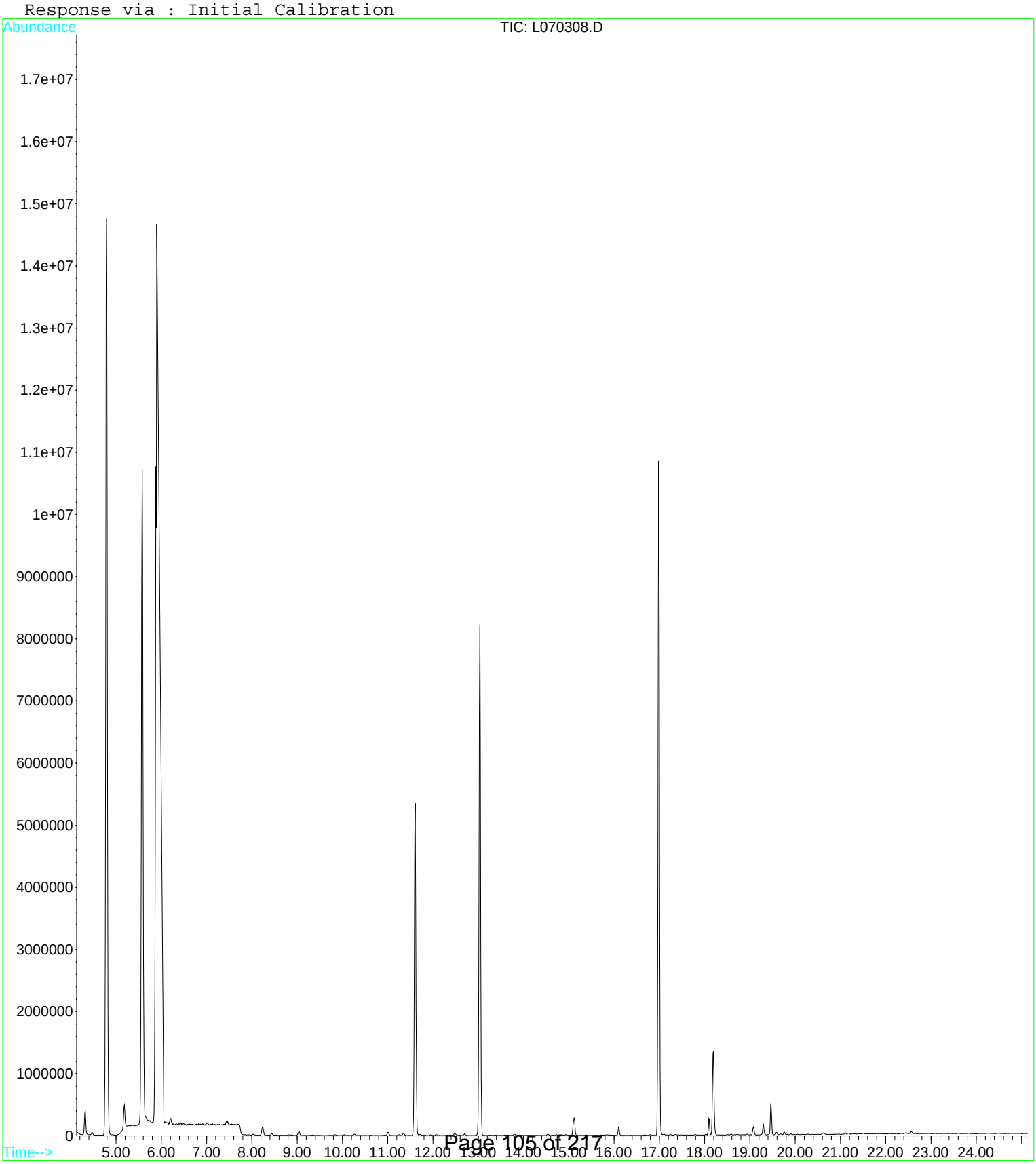
Ion	Ratio	Lower	Upper
91	100		
92	58.3	46.8	70.2



Quantitation Report

Data File : M:\MS2007Q3\LURCH\DATA\JUL07\07-11-07\L070308.D Vial: 16
Acq On : 11 Jul 2007 9:31 pm Operator: lag
Sample : WSP-02 , 50mL Inst : Lurch
Misc : 1340, 0707-03, df=10* Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Jul 12 9:14 2007 Quant Results File: TO1415.RES

Method : M:\MS2007Q1\LURCH\METHODS\TO1415.M (RTE Integrator)
Title : TO14
Last Update : Tue Apr 17 17:01:10 2007
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data File : M:\MS2007Q3\LURCH\DATA\JUL07\07-11-07\L070308.D Vial: 16
Acq On : 11 Jul 2007 9:31 pm Operator: lag
Sample : WSP-02 , 50mL Inst : Lurch
Misc : 1340, 0707-03, df=10* Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Jul 12 9:14 2007 Quant Results File: TO1415.RES

Quant Method : M:\MS2007Q1\L...\TO1415.M (RTE Integrator)
Title : TO14
Last Update : Tue Apr 17 17:01:10 2007
Response via : Initial Calibration
DataAcq Meth : MM-624C

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane (IS)	11.61	130	1986763	20.20	PPBV	0.00
31) 1,4-Difluorobenzene (IS)	13.04	114	8356113	20.00	PPBV	0.00
45) Chlorobenzene-d5 (IS)	16.99	117	7333954	20.40	PPBV	0.00
Target Compounds						Qvalue
2) propylene	4.32	41	59641	5.71	PPBV	# 1
3) Freon12(CCl2F2)	0.00	85	0	N.D.	d	
4) Chloromethane	0.00	50	0	N.D.	d	
5) Freon 114 (C2Cl2F4)	0.00	85	0	N.D.		
6) Chloroethene	0.00	62	0	N.D.		
7) 1,3-Butadiene	0.00	39	0	N.D.	d	
8) Bromomethane	0.00	94	0	N.D.	d	
9) Chloroethane	0.00	64	0	N.D.	d	
10) Bromoethene	0.00	106	0	N.D.		
11) Acetone	0.00	43	0	N.D.	d	
12) Freon 11 (CCl3F)	0.00	101	0	N.D.	d	
13) Isopropyl alcohol	0.00	45	0	N.D.	d	
14) 1,1-Dichloroethene	0.00	61	0	N.D.		
15) Methylene chloride	0.00	49	0	N.D.	d	
16) Allyl chloride	0.00	76	0	N.D.		
17) Freon 113 (C2Cl3F3)	0.00	151	0	N.D.		
18) Carbon disulfide	0.00	76	0	N.D.	d	
19) trans-1,2-Dichloroethene	0.00	61	0	N.D.		
20) 1,1-Dichloroethane	0.00	63	0	N.D.		
21) Methyl tert-butyl ether	0.00	73	0	N.D.		
22) Vinyl acetate	0.00	43	0	N.D.		
23) Methyl ethyl ketone (2-But	0.00	72	0	N.D.		
24) cis-1,2-Dichloroethylene	0.00	61	0	N.D.	d	
25) Hexane	0.00	57	0	N.D.	d	
26) Ethyl acetate	0.00	45	0	N.D.	d	
27) Chloroform	0.00	83	0	N.D.	d	
28) Tetrahydrofuran	0.00	72	0	N.D.		
29) 1,2-Dichloroethane	0.00	62	0	N.D.	d	
30) 1,1,1-Trichloroethane	0.00	97	0	N.D.		
32) Benzene	0.00	78	0	N.D.	d	
33) Carbon tetrachloride	0.00	117	0	N.D.		
34) Cyclohexane	0.00	56	0	N.D.	d	
35) 1,2-Dichloropropane	0.00	63	0	N.D.		
36) Bromodichloromethane	0.00	83	0	N.D.		
37) 2,2,4-Trimethylpentane	0.00	57	0	N.D.	d	
38) Trichloroethene	0.00	130	0	N.D.		
39) 1,4-Dioxane	0.00	88	0	N.D.		
40) Heptane	0.00	57	0	N.D.	d	
41) cis-1,3-Dichloropropene	0.00	75	0	N.D.		
42) Methyl isobutyl ketone	0.00	43	0	N.D.		
43) trans-1,3-Dichloropropene	0.00	75	0	N.D.		
44) 1,1,2-Trichloroethane	0.00	97	0	N.D.		
46) Toluene	0.00	91	0	N.D.	d	
47) 2-Hexanone Methyl butyl ke	0.00	43	0	N.D.	d	
48) Dibromochloromethane	0.00	129	0	N.D.		
49) 1,2-Dibromoethane	0.00	107	0	N.D.		
50) Tetrachloroethene	0.00	166	0	N.D.	d	
51) Chlorobenzene	0.00	112	0	N.D.	d	
52) Ethylbenzene	0.00	91	0	N.D.	d	
53) m-/p-Xylenes	0.00	91	0	N.D.	d	
54) Bromoform	0.00	173	0	N.D.		
55) Styrene	0.00	104	0	N.D.	d	
56) o-Xylene	0.00	91	0	N.D.	d	

(#) = qualifier out of range (m) = manual integration
L070308.D TO1415.M Thu Jul 12 12:47:12 2007 Page 1

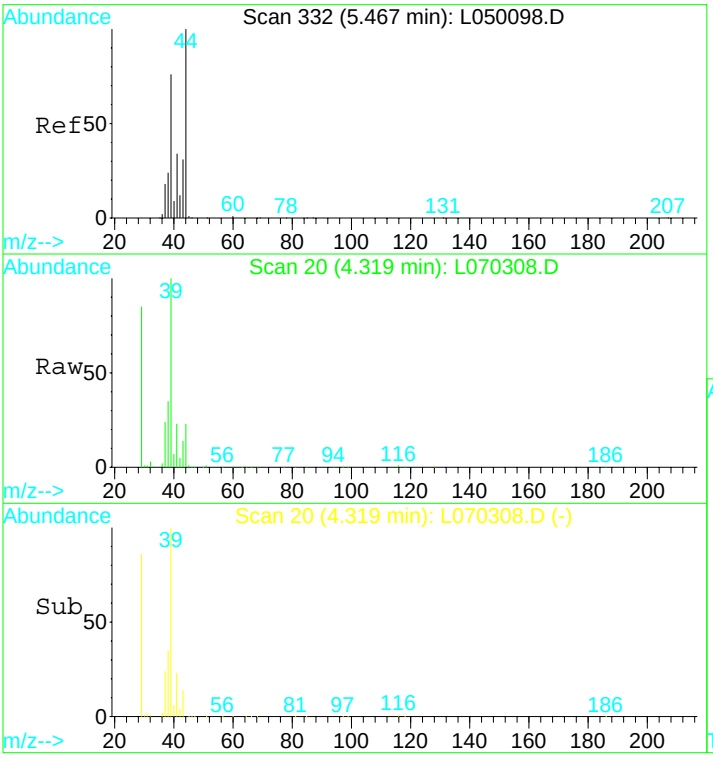
Quantitation Report (QT Reviewed)

Data File : M:\MS2007Q3\LURCH\DATA\JUL07\07-11-07\L070308.D Vial: 16
Acq On : 11 Jul 2007 9:31 pm Operator: lag
Sample : WSP-02 , 50mL Inst : Lurch
Misc : 1340, 0707-03, df=10* Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Jul 12 9:14 2007 Quant Results File: TO1415.RES

Quant Method : M:\MS2007Q1\L...\TO1415.M (RTE Integrator)
Title : TO14
Last Update : Tue Apr 17 17:01:10 2007
Response via : Initial Calibration
DataAcq Meth : MM-624C

	Compound	R.T.	QIon	Response	Conc	Unit	Qvalue
57)	1,1,2,2,-Tetrachloroethane	0.00	83	0	N.D.		
58)	4-Ethyltoluene	0.00	105	0	N.D.	d	
59)	1,3,5-Trimethylbenzene	0.00	105	0	N.D.	d	
60)	1,2,4-Trimethylbenzene	0.00	105	0	N.D.	d	
61)	Benzyl chloride	0.00	91	0	N.D.	d	
62)	1,3-Dichlorobenzene	0.00	146	0	N.D.		
63)	1,4-Dichlorobenzene	0.00	146	0	N.D.		
64)	1,2-Dichlorobenzene	0.00	146	0	N.D.		
65)	1,2,4-Trichlorobenzene	0.00	180	0	N.D.		
66)	Hexachlorobutadiene	0.00	225	0	N.D.	d	

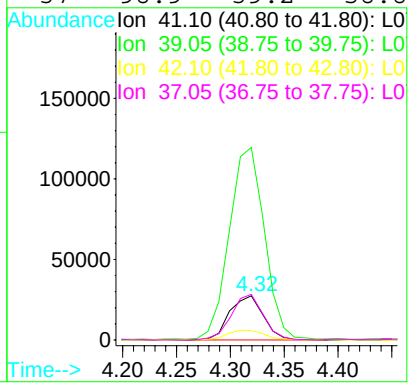
(#) = qualifier out of range (m) = manual integration
L070308.D TO1415.M Thu Jul 12 12:47:12 2007 Page 2



#2
propylene
Concen: 5.71 PPBV
RT: 4.32 min Scan# 20
Delta R.T. -0.01 min
Lab File: L070308.D
Acq: 11 Jul 2007 9:31 pm

Tgt Ion: 41 Resp: 59641

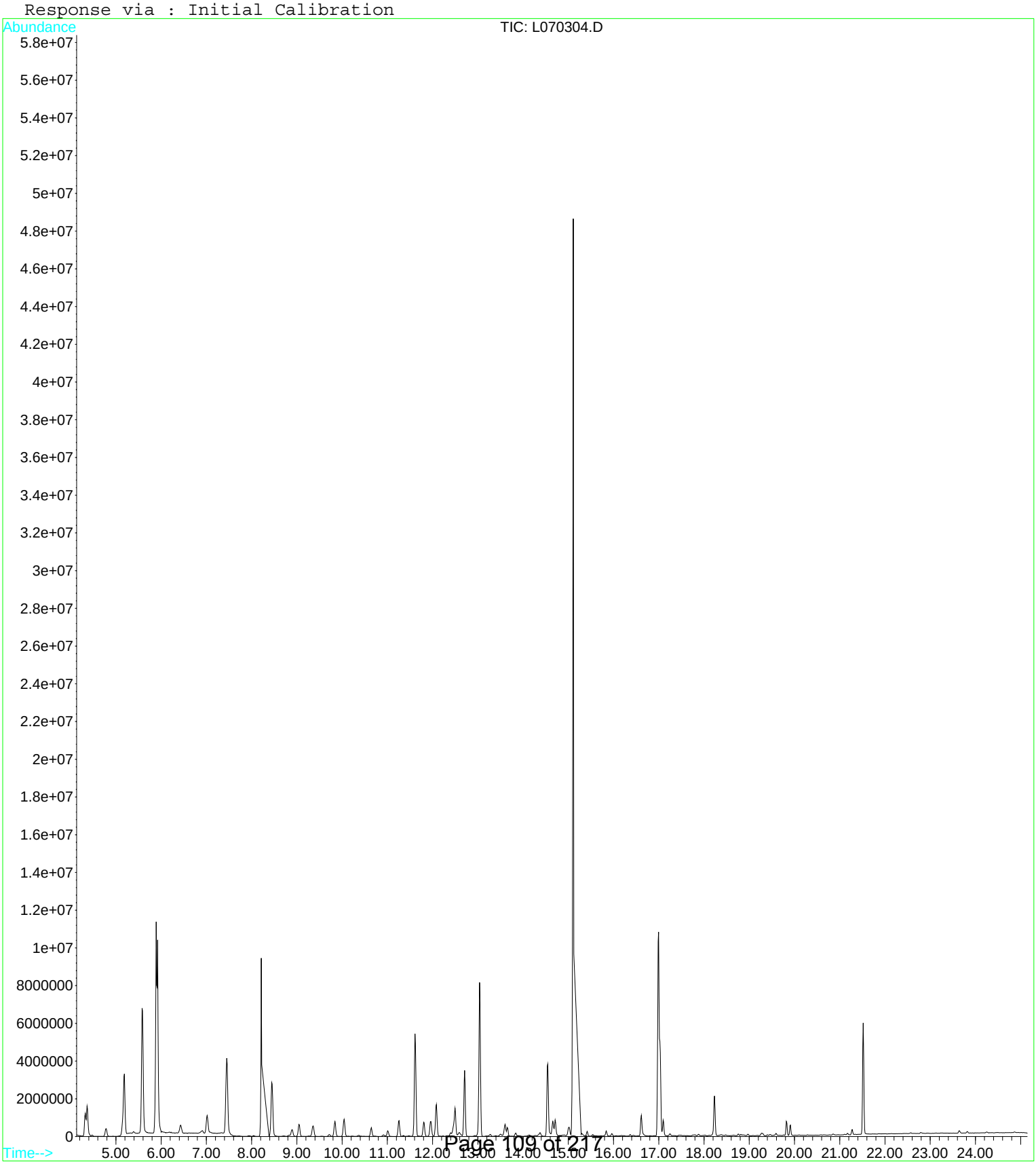
Ion	Ratio	Lower	Upper
41	100		
39	456.0	177.2	265.8#
42	24.9	25.8	38.6#
37	98.9	39.2	58.8#



Quantitation Report

Data File : M:\MS2007Q3\LURCH\DATA\JUL07\07-11-07\L070304.D Vial: 12
Acq On : 11 Jul 2007 6:34 pm Operator: lag
Sample : WSP-BG 06/28/07, 500mL Inst : Lurch
Misc : 1020, 0707-03 Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Jul 12 8:38 2007 Quant Results File: TO1415.RES

Method : M:\MS2007Q1\LURCH\METHODS\TO1415.M (RTE Integrator)
Title : TO14
Last Update : Tue Apr 17 17:01:10 2007
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data File : M:\MS2007Q3\LURCH\DATA\JUL07\07-11-07\L070304.D Vial: 12
Acq On : 11 Jul 2007 6:34 pm Operator: lag
Sample : WSP-BG 06/28/07, 500mL Inst : Lurch
Misc : 1020, 0707-03 Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Jul 12 8:38 2007 Quant Results File: TO1415.RES

Quant Method : M:\MS2007Q1\L...\TO1415.M (RTE Integrator)
Title : TO14
Last Update : Tue Apr 17 17:01:10 2007
Response via : Initial Calibration
DataAcq Meth : MM-624C

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
1) Bromochloromethane (IS)	11.61	130	2022206	20.20	PPBV		0.00
31) 1,4-Difluorobenzene (IS)	13.04	114	8366990	20.00	PPBV		0.00
45) Chlorobenzene-d5 (IS)	17.00	117	7645764	20.40	PPBV		0.00
Target Compounds							Qvalue
2) propylene	0.00	41	0	N.D.	d		
3) Freon12(CCl2F2)	4.41	85	115258	0.23	PPBV		92
4) Chloromethane	4.94	50	5398	0.30	PPBV	#	41
5) Freon 114 (C2Cl2F4)	0.00	85	0	N.D.	d		
6) Chloroethene	0.00	62	0	N.D.	d		
7) 1,3-Butadiene	0.00	39	0	N.D.	d		
8) Bromomethane	0.00	94	0	N.D.	d		
9) Chloroethane	0.00	64	0	N.D.	d		
10) Bromoethene	0.00	106	0	N.D.			
11) Acetone	8.21	43	14922627	123.24	PPBV	#	61
12) Freon 11 (CCl3F)	0.00	101	0	N.D.	d		
13) Isopropyl alcohol	8.51	45	42439m	0.63	PPBV	Manual Integration (LAG)	
14) 1,1-Dichloroethene	0.00	61	0	N.D.			
15) Methylene chloride	9.05	49	397139	5.56	PPBV	#	69
16) Allyl chloride	0.00	76	0	N.D.			
17) Freon 113 (C2Cl3F3)	0.00	151	0	N.D.	d		
18) Carbon disulfide	8.45	76	2446045	22.25	PPBV	#	22
19) trans-1,2-Dichloroethene	0.00	61	0	N.D.			
20) 1,1-Dichloroethane	0.00	63	0	N.D.			
21) Methyl tert-butyl ether	0.00	73	0	N.D.			
22) Vinyl acetate	0.00	43	0	N.D.	d		
23) Methyl ethyl ketone (2-But	11.25	72	59112	8.58	PPBV	#	1
24) cis-1,2-Dichloroethylene	0.00	61	0	N.D.	d		
25) Hexane	9.84	57	158598	6.70	PPBV	#	1
26) Ethyl acetate	11.25	45	27708	3.65	PPBV	#	1
27) Chloroform	0.00	83	0	N.D.	d		
28) Tetrahydrofuran	0.00	72	0	N.D.			
29) 1,2-Dichloroethane	12.60	62	49402	0.25	PPBV	#	86
30) 1,1,1-Trichloroethane	0.00	97	0	N.D.	d		
32) Benzene	12.50	78	984069	11.93	PPBV	#	68
33) Carbon tetrachloride	0.00	117	0	N.D.	d		
34) Cyclohexane	11.95	56	218455	8.48	PPBV	#	37
35) 1,2-Dichloropropane	0.00	63	0	N.D.	d		
36) Bromodichloromethane	0.00	83	0	N.D.	d		
37) 2,2,4-Trimethylpentane	0.00	57	0	N.D.	d		
38) Trichloroethene	0.00	130	0	N.D.	d		
39) 1,4-Dioxane	13.90	88	7033	0.28	PPBV	#	1
40) Heptane	12.71	57	307716	20.95	PPBV	#	52
41) cis-1,3-Dichloropropene	0.00	75	0	N.D.			
42) Methyl isobutyl ketone	14.87	43	24002	0.28	PPBV	#	62
43) trans-1,3-Dichloropropene	0.00	75	0	N.D.			
44) 1,1,2-Trichloroethane	0.00	97	0	N.D.	d		
46) Toluene	15.11	91	16721484	75.62	PPBV	#	31
47) 2-Hexanone Methyl butyl ke	15.96	43	116194	1.28	PPBV	#	71
48) Dibromochloromethane	0.00	129	0	N.D.			
49) 1,2-Dibromoethane	0.00	107	0	N.D.			
50) Tetrachloroethene	15.84	166	97725	0.49	PPBV	#	83
51) Chlorobenzene	17.04	112	3397969	12.10	PPBV	#	71
52) Ethylbenzene	17.10	91	706353	2.02	PPBV		91
53) m-/p-Xylenes	0.00	91	0	N.D.			
54) Bromoform	0.00	173	0	N.D.			
55) Styrene	0.00	104	0	N.D.	d		
56) o-Xylene	0.00	91	0	N.D.	d		

(#) = qualifier out of range (m) = manual integration
L070304.D TO1415.M Thu Jul 12 12:32:46 2007 Page 1

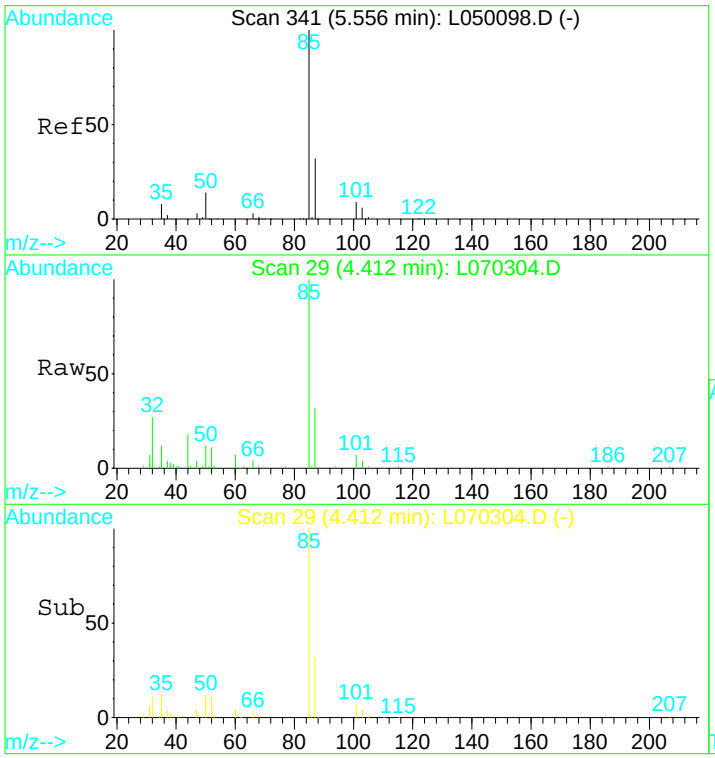
Quantitation Report (QT Reviewed)

Data File : M:\MS2007Q3\LURCH\DATA\JUL07\07-11-07\L070304.D Vial: 12
Acq On : 11 Jul 2007 6:34 pm Operator: lag
Sample : WSP-BG 06/28/07, 500mL Inst : Lurch
Misc : 1020, 0707-03 Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Jul 12 8:38 2007 Quant Results File: TO1415.RES

Quant Method : M:\MS2007Q1\L...\TO1415.M (RTE Integrator)
Title : TO14
Last Update : Tue Apr 17 17:01:10 2007
Response via : Initial Calibration
DataAcq Meth : MM-624C

	Compound	R.T.	QIon	Response	Conc Unit	Qvalue
57)	1,1,2,2,-Tetrachloroethane	0.00	83	0	N.D. d	
58)	4-Ethyltoluene	0.00	105	0	N.D. d	
59)	1,3,5-Trimethylbenzene	0.00	105	0	N.D. d	
60)	1,2,4-Trimethylbenzene	0.00	105	0	N.D. d	
61)	Benzyl chloride	0.00	91	0	N.D. d	
62)	1,3-Dichlorobenzene	0.00	146	0	N.D.	
63)	1,4-Dichlorobenzene	0.00	146	0	N.D.	
64)	1,2-Dichlorobenzene	0.00	146	0	N.D.	
65)	1,2,4-Trichlorobenzene	0.00	180	0	N.D.	
66)	Hexachlorobutadiene	0.00	225	0	N.D. d	

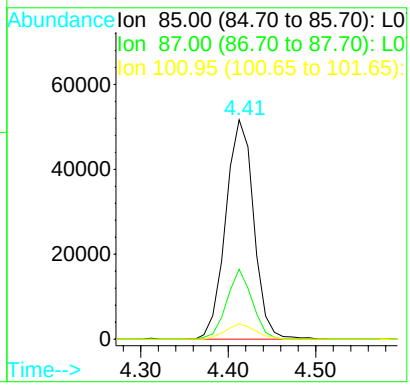
(#) = qualifier out of range (m) = manual integration

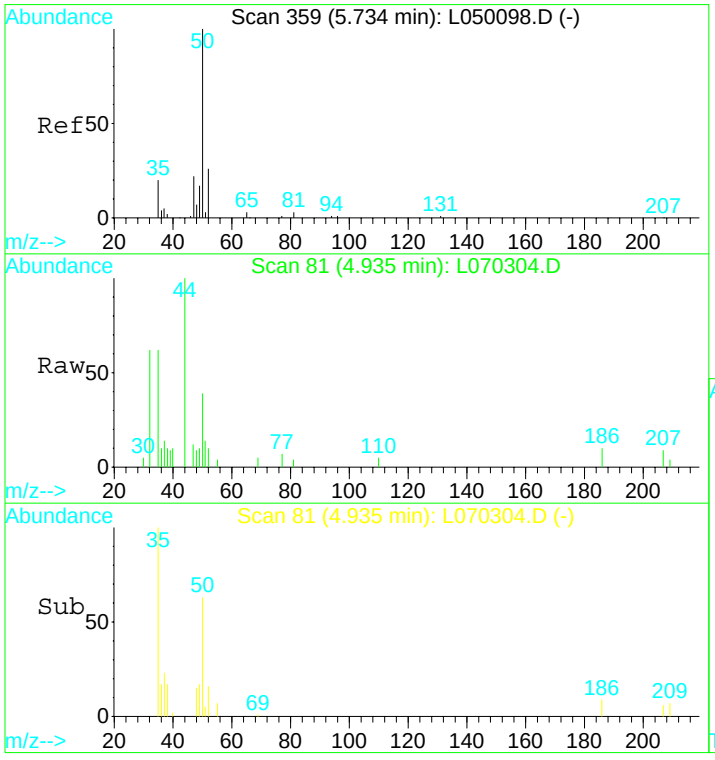


#3
Freon12(CCl2F2)
Concen: 0.23 PPBV
RT: 4.41 min Scan# 29
Delta R.T. 0.01 min
Lab File: L070304.D
Acq: 11 Jul 2007 6:34 pm

Tgt Ion: 85 Resp: 115258

Ion	Ratio	Lower	Upper
85	100		
87	28.7	26.8	40.2
101	7.4	7.1	10.7

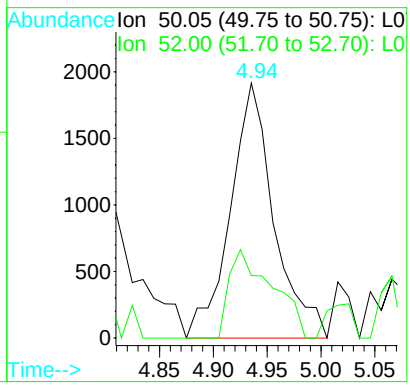


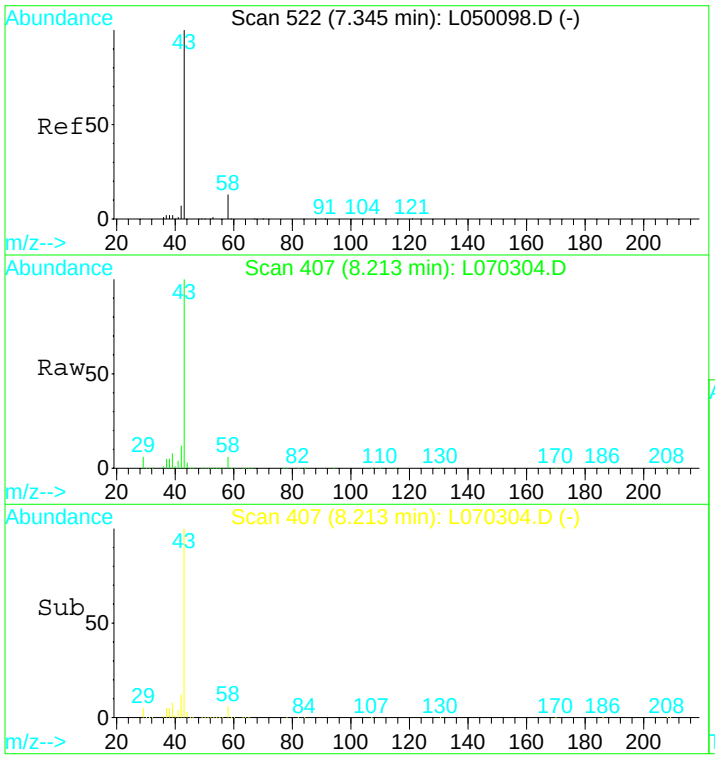


#4
Chloromethane
Concen: 0.30 PPBV
RT: 4.94 min Scan# 81
Delta R.T. 0.01 min
Lab File: L070304.D
Acq: 11 Jul 2007 6:34 pm

Tgt Ion: 50 Resp: 5398

Ion	Ratio	Lower	Upper
50	100		
52	0.0	26.7	40.1#

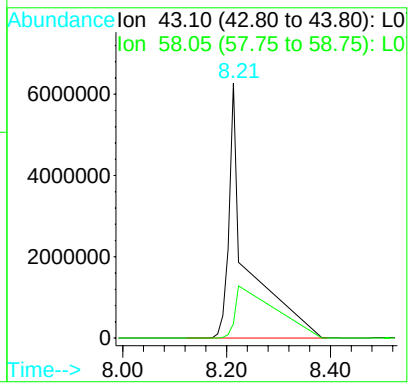


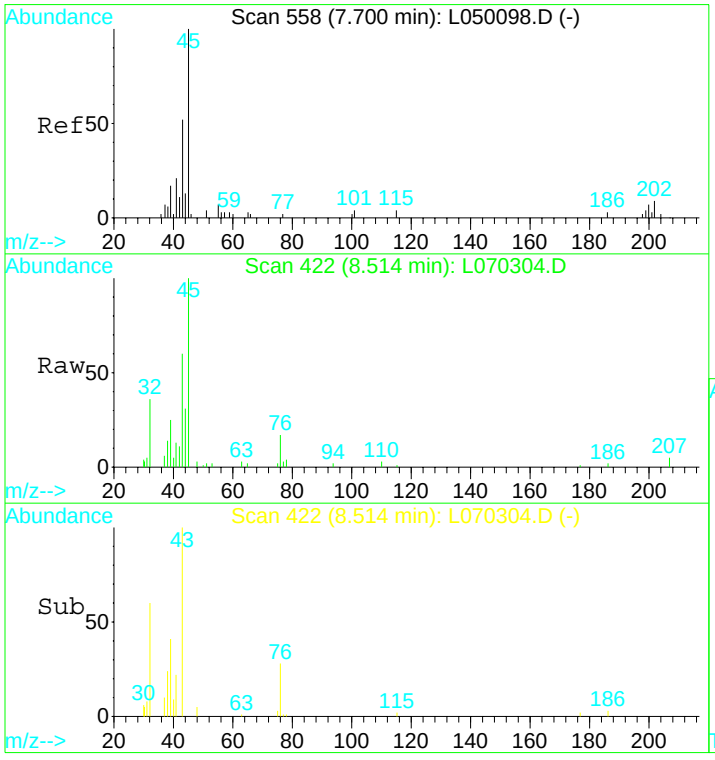


#11
Acetone
Concen: 123.24 PPBV
RT: 8.21 min Scan# 407
Delta R.T. -0.02 min
Lab File: L070304.D
Acq: 11 Jul 2007 6:34 pm

Tgt Ion: 43 Resp:14922627

Ion	Ratio	Lower	Upper
43	100		
58	22.1	6.6	9.8#

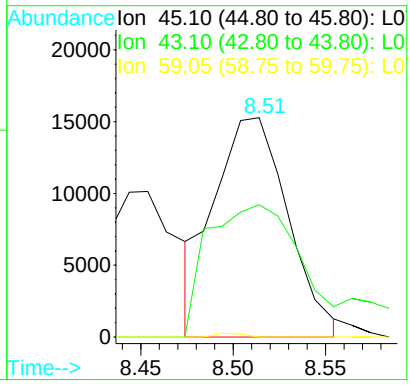


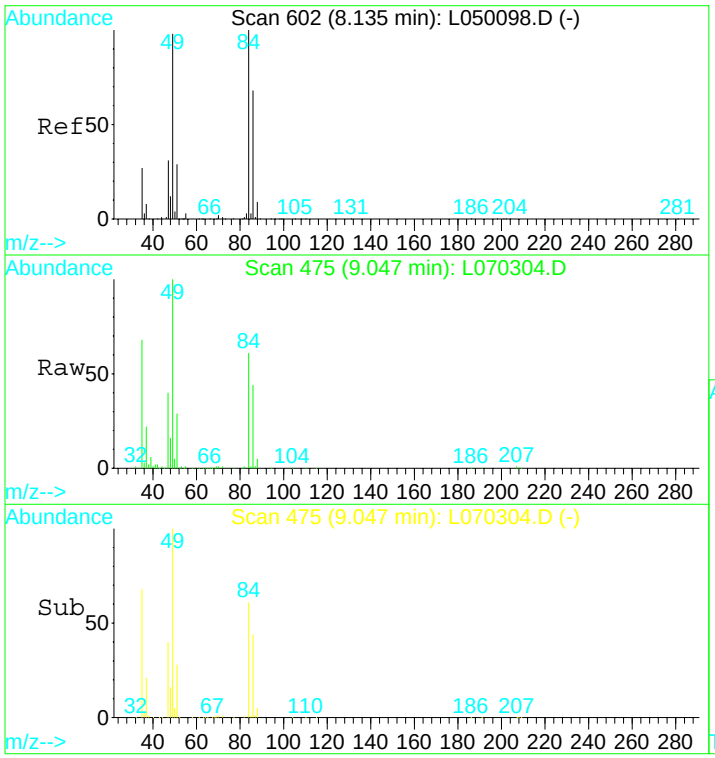


#13
Isopropyl alcohol
Concen: 0.63 PPBV m
RT: 8.51 min Scan# 422
Delta R.T. 0.03 min
Lab File: L070304.D
Acq: 11 Jul 2007 6:34 pm

Tgt Ion: 45 Resp: 42439

Ion	Ratio	Lower	Upper
45	100		
43	88.2	35.7	53.5#
59	0.0	1.5	2.3#

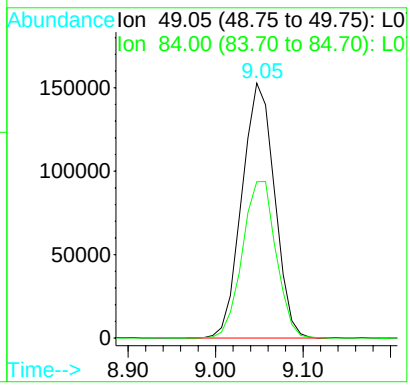


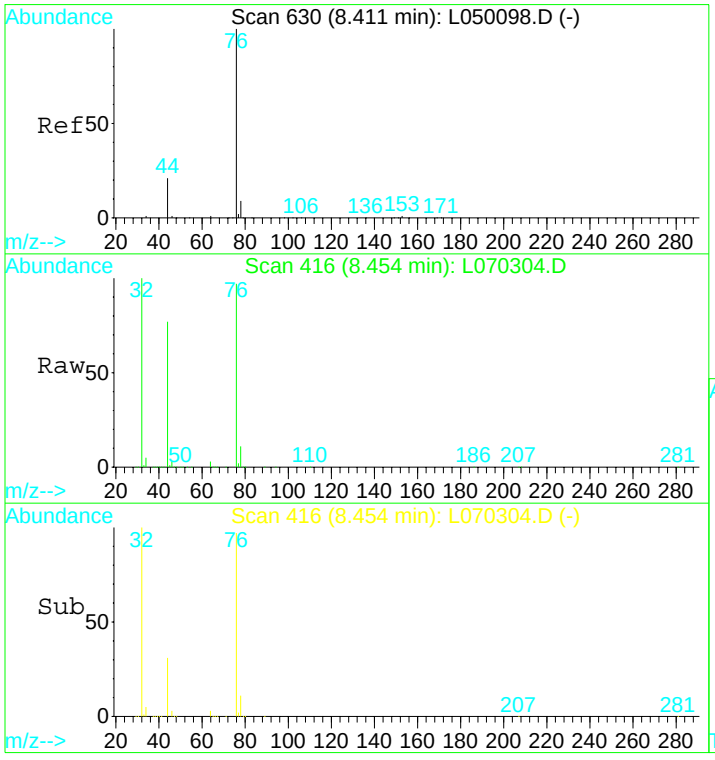


#15
Methylene chloride
Concen: 5.56 PPBV
RT: 9.05 min Scan# 475
Delta R.T. 0.02 min
Lab File: L070304.D
Acq: 11 Jul 2007 6:34 pm

Tgt Ion: 49 Resp: 397139

Ion	Ratio	Lower	Upper
49	100		
84	63.2	34.6	52.0#

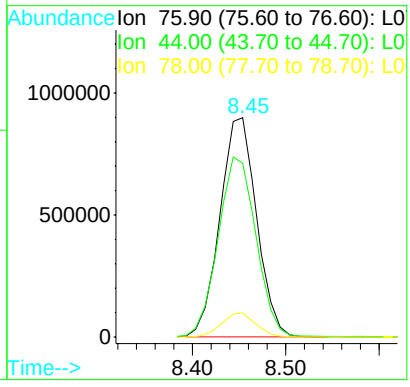


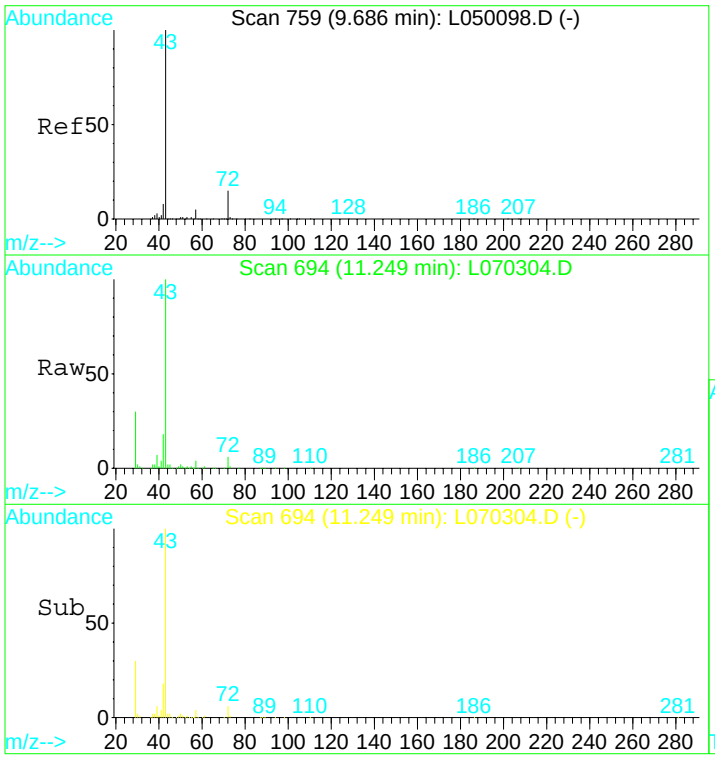


#18
Carbon disulfide
Concen: 22.25 PPBV
RT: 8.45 min Scan# 416
Delta R.T. 0.02 min
Lab File: L070304.D
Acq: 11 Jul 2007 6:34 pm

Tgt Ion: 76 Resp: 2446045

Ion	Ratio	Lower	Upper
76	100		
44	84.3	21.8	32.8#
78	10.4	8.9	13.3

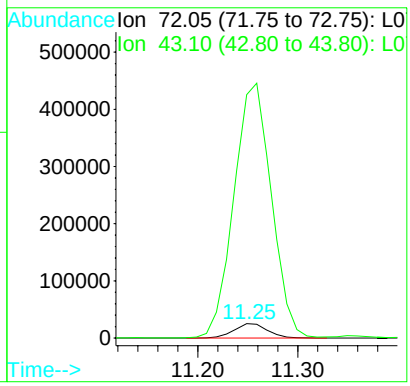


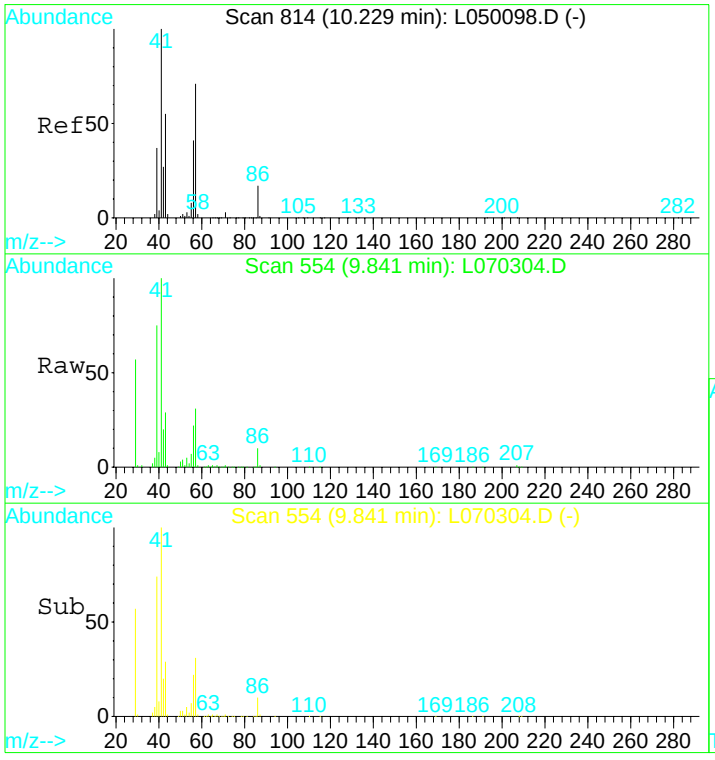


#23
Methyl ethyl ketone (2-Butanone)
Concen: 8.58 PPBV
RT: 11.25 min Scan# 694
Delta R.T. -0.01 min
Lab File: L070304.D
Acq: 11 Jul 2007 6:34 pm

Tgt Ion: 72 Resp: 59112

Ion	Ratio	Lower	Upper
72	100		
43	1965.6	545.4	818.0#

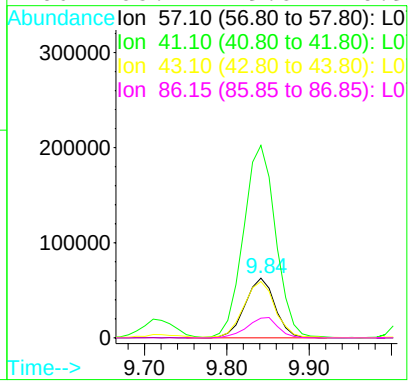


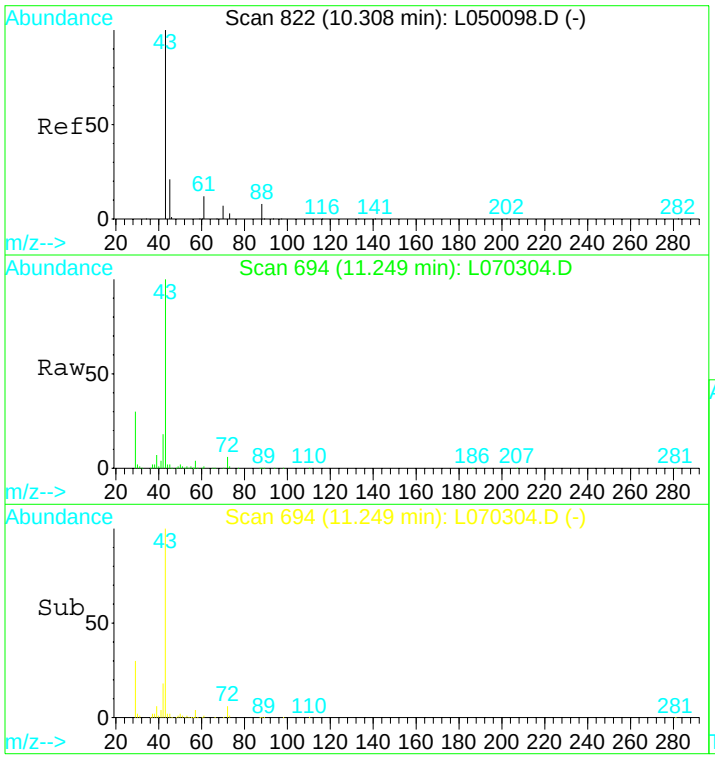


#25
Hexane
Concen: 6.70 PPBV
RT: 9.84 min Scan# 554
Delta R.T. 0.02 min
Lab File: L070304.D
Acq: 11 Jul 2007 6:34 pm

Tgt Ion: 57 Resp: 158598

Ion	Ratio	Lower	Upper
57	100		
41	345.5	99.4	149.2#
43	99.8	59.0	88.4#
86	35.2	19.3	28.9#

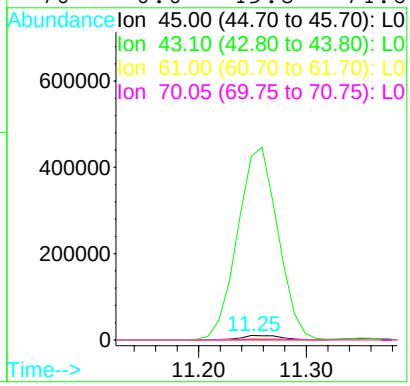


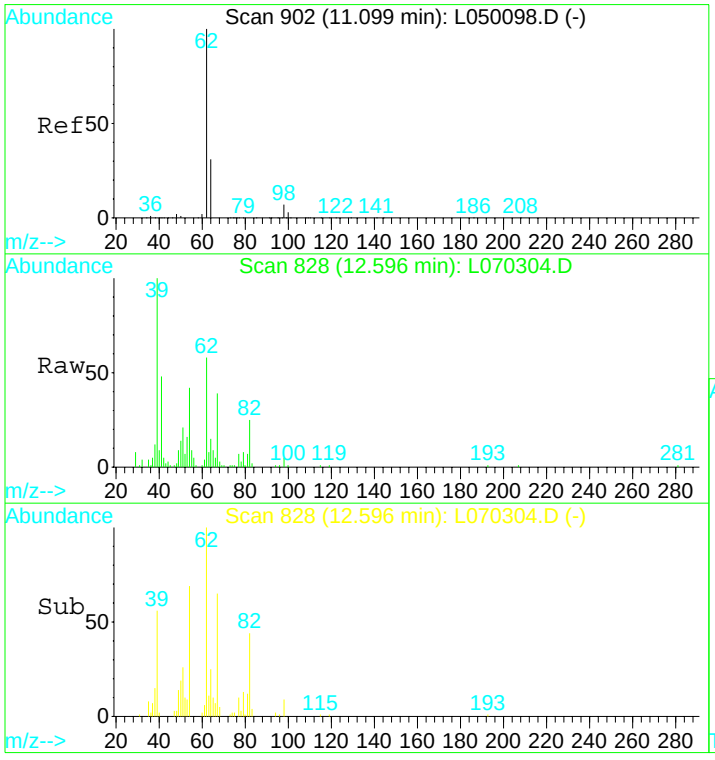


#26
Ethyl acetate
Concen: 3.65 PPBV
RT: 11.25 min Scan# 694
Delta R.T. -0.03 min
Lab File: L070304.D
Acq: 11 Jul 2007 6:34 pm

Tgt Ion: 45 Resp: 27708

Ion	Ratio	Lower	Upper
45	100		
43	0.0	1029.0	1543.4#
61	0.0	126.3	189.5#
70	0.0	49.8	74.6#

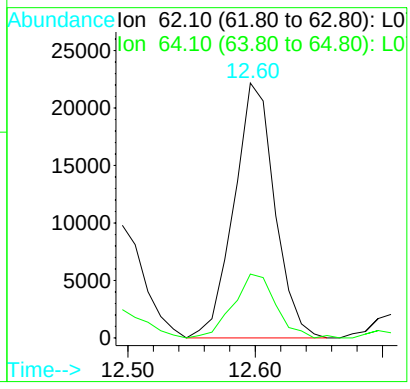


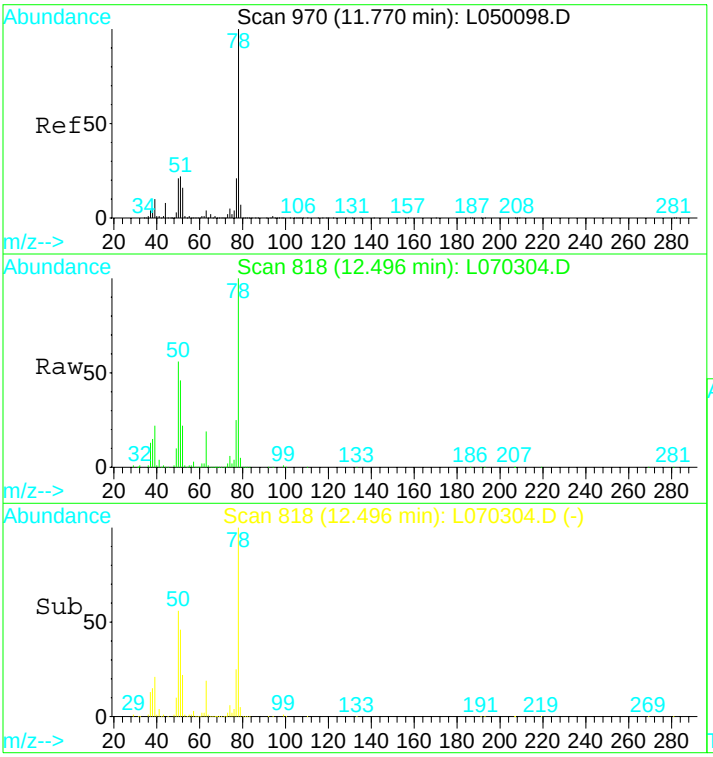


#29
1,2-Dichloroethane
Concen: 0.25 PPBV
RT: 12.60 min Scan# 828
Delta R.T. -0.01 min
Lab File: L070304.D
Acq: 11 Jul 2007 6:34 pm

Tgt Ion: 62 Resp: 49402

Ion	Ratio	Lower	Upper
62	100		
64	26.2	27.4	41.0#

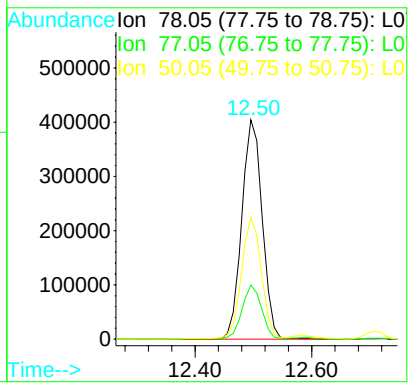


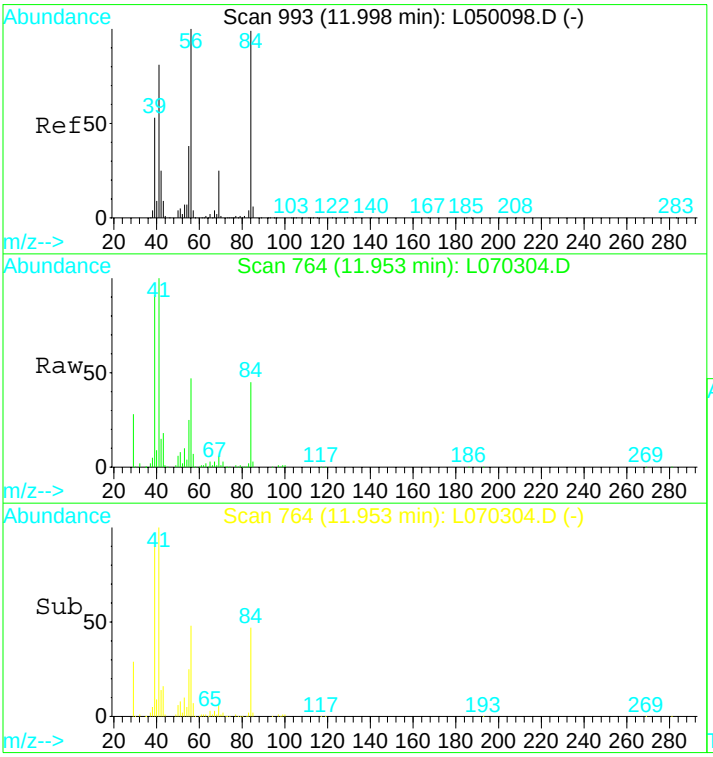


#32
Benzene
Concen: 11.93 PPBV
RT: 12.50 min Scan# 818
Delta R.T. 0.01 min
Lab File: L070304.D
Acq: 11 Jul 2007 6:34 pm

Tgt Ion: 78 Resp: 984069

Ion	Ratio	Lower	Upper
78	100		
77	23.9	21.1	31.7
50	54.0	18.6	27.8#

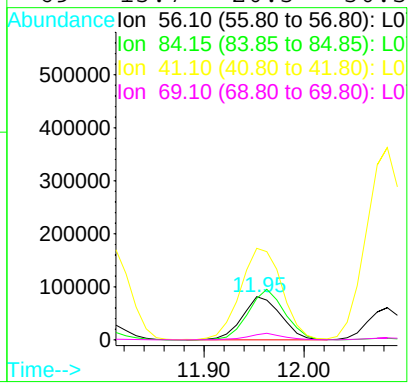


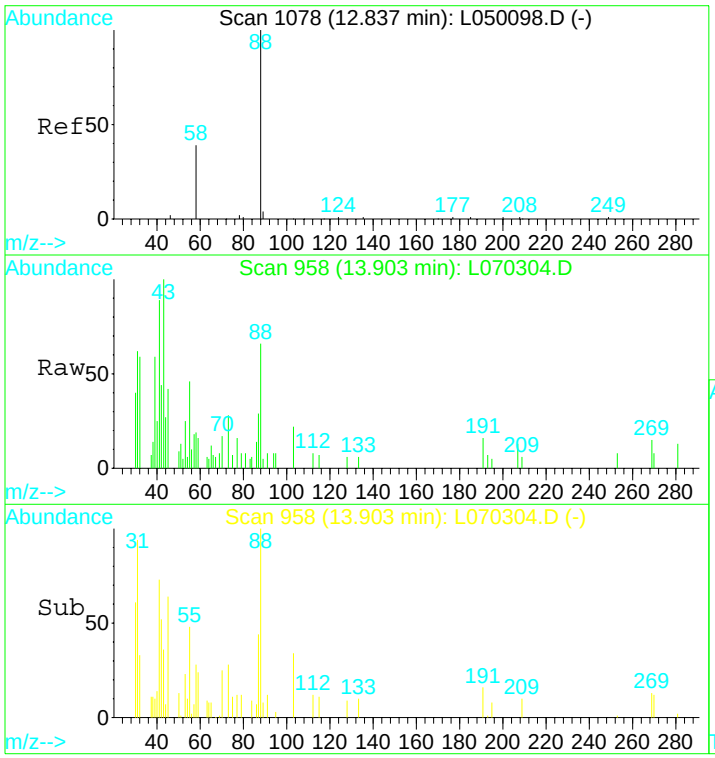


#34
Cyclohexane
Concen: 8.48 PPBV
RT: 11.95 min Scan# 764
Delta R.T. -0.01 min
Lab File: L070304.D
Acq: 11 Jul 2007 6:34 pm

Tgt Ion: 56 Resp: 218455

Ion	Ratio	Lower	Upper
56	100		
84	110.5	89.6	134.4
41	228.6	68.5	102.7#
69	13.7	20.3	30.5#

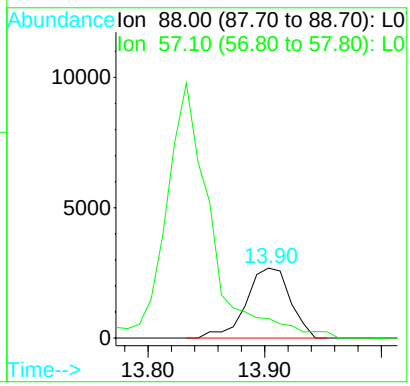


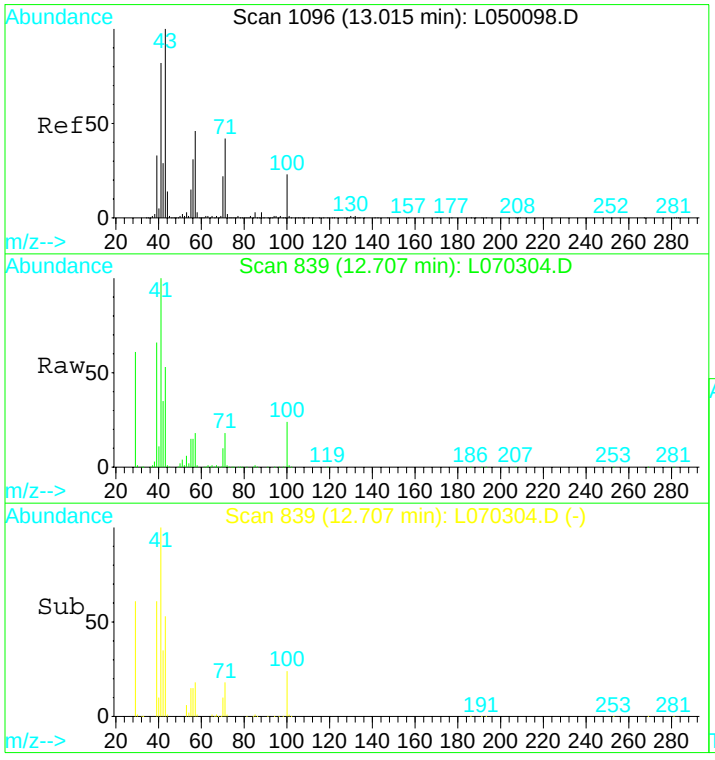


#39
1,4-Dioxane
Concen: 0.28 PPBV
RT: 13.90 min Scan# 958
Delta R.T. 0.01 min
Lab File: L070304.D
Acq: 11 Jul 2007 6:34 pm

Tgt Ion: 88 Resp: 7033

Ion	Ratio	Lower	Upper
88	100		
57	0.0	243.9	365.9#

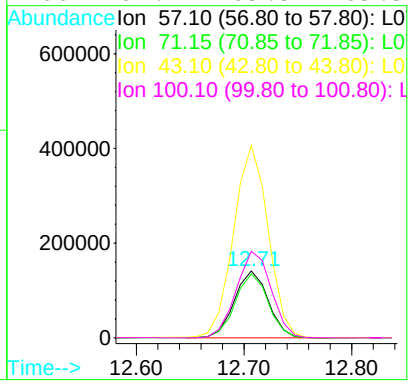


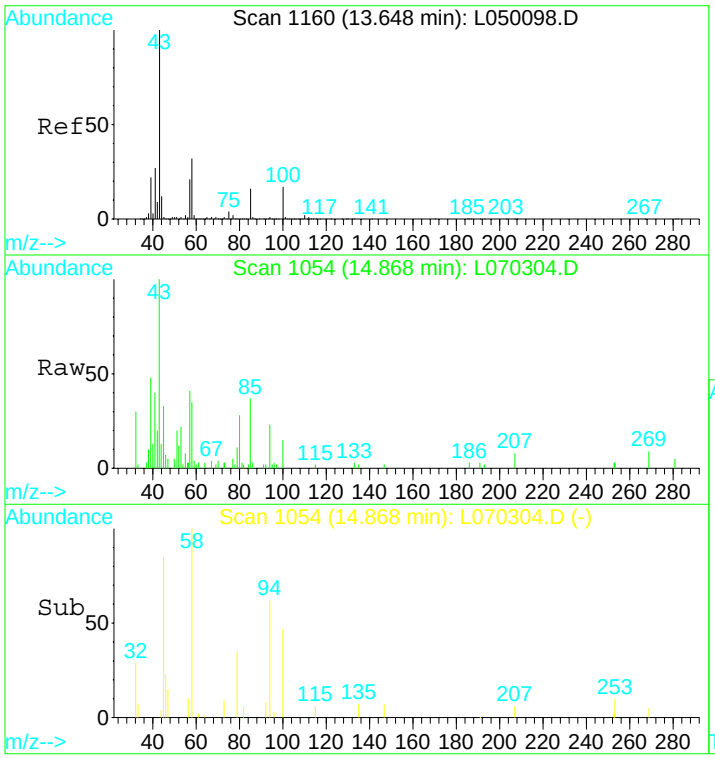


#40
Heptane
Concen: 20.95 PPBV
RT: 12.71 min Scan# 839
Delta R.T. -0.00 min
Lab File: L070304.D
Acq: 11 Jul 2007 6:34 pm

Tgt Ion: 57 Resp: 307716

Ion	Ratio	Lower	Upper
57	100		
71	94.1	73.0	109.4
43	295.0	172.4	258.6#
100	134.2	39.9	59.9#

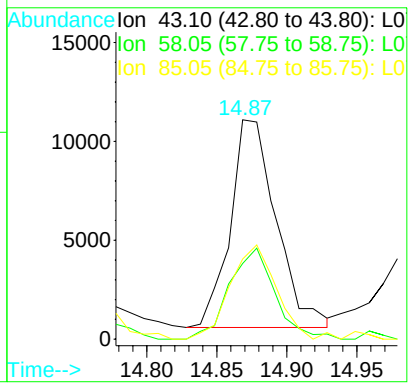


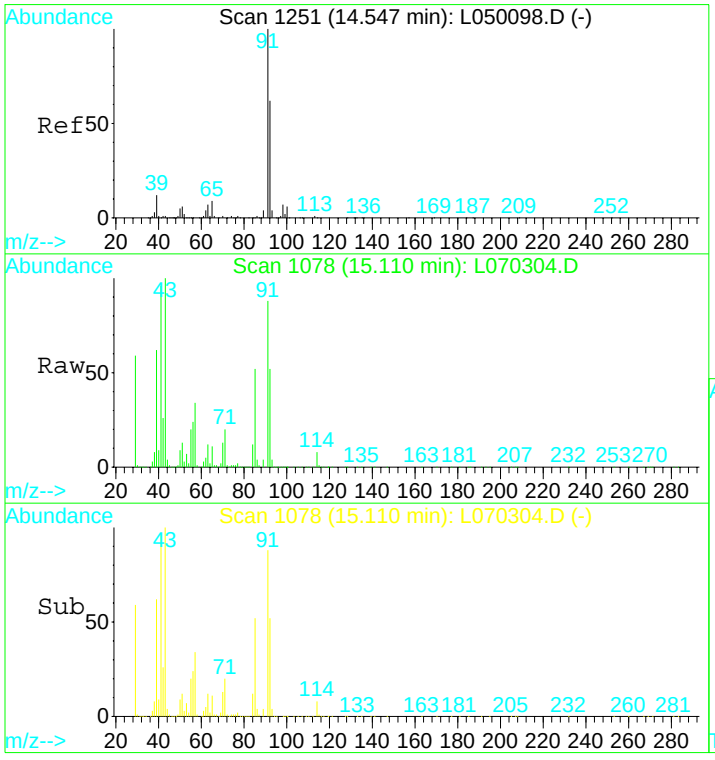


#42
Methyl isobutyl ketone
Concen: 0.28 PPBV
RT: 14.87 min Scan# 1054
Delta R.T. -0.01 min
Lab File: L070304.D
Acq: 11 Jul 2007 6:34 pm

Tgt Ion: 43 Resp: 24002

Ion	Ratio	Lower	Upper
43	100		
58	43.5	25.3	37.9#
85	45.7	12.6	18.8#

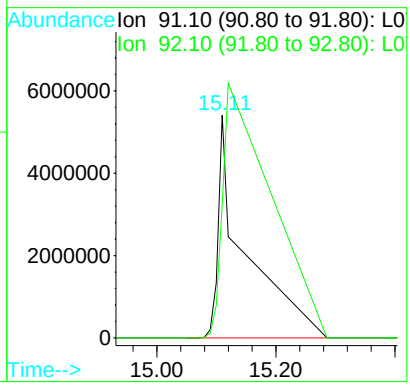


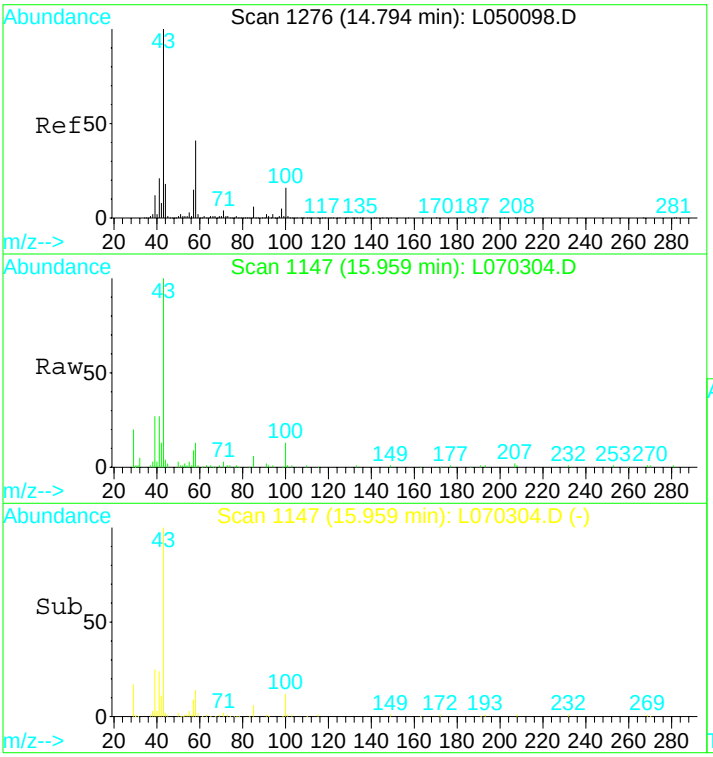


#46
Toluene
Concen: 75.62 PPBV
RT: 15.11 min Scan# 1078
Delta R.T. -0.03 min
Lab File: L070304.D
Acq: 11 Jul 2007 6:34 pm

Tgt Ion: 91 Resp:16721484

Ion	Ratio	Lower	Upper
91	100		
92	109.7	46.8	70.2#

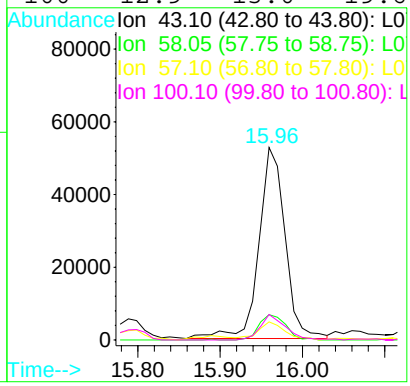


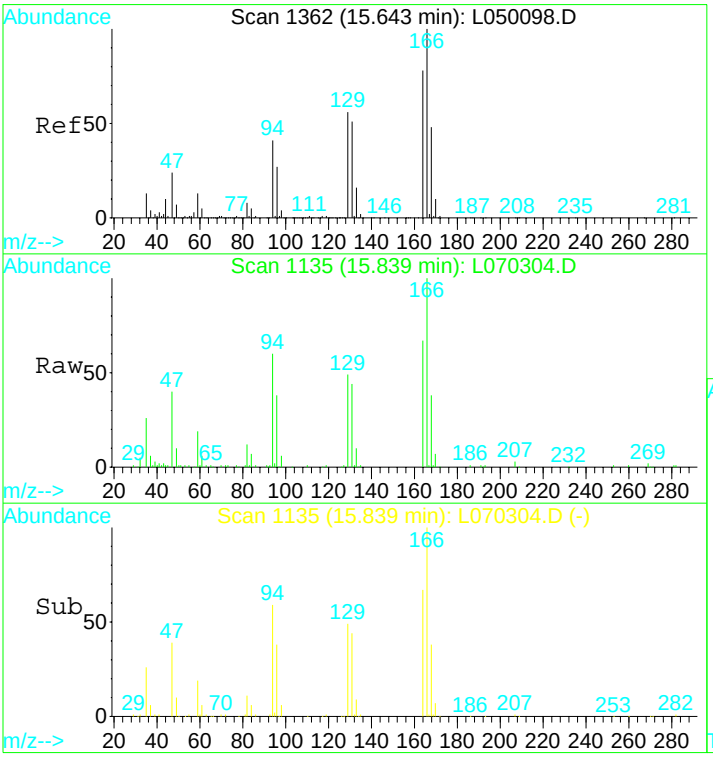


#47
2-Hexanone Methyl butyl ketone)
Concen: 1.28 PPBV
RT: 15.96 min Scan# 1147
Delta R.T. -0.01 min
Lab File: L070304.D
Acq: 11 Jul 2007 6:34 pm

Tgt Ion: 43 Resp: 116194

Ion	Ratio	Lower	Upper
43	100		
58	13.5	32.5	48.7#
57	9.7	12.3	18.5#
100	12.9	13.0	19.6#

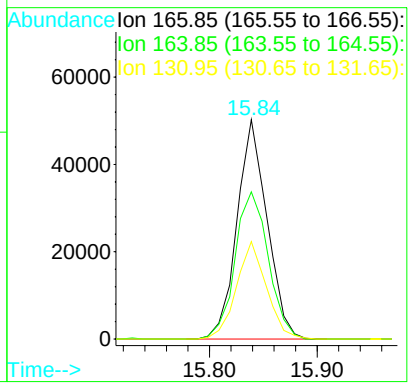


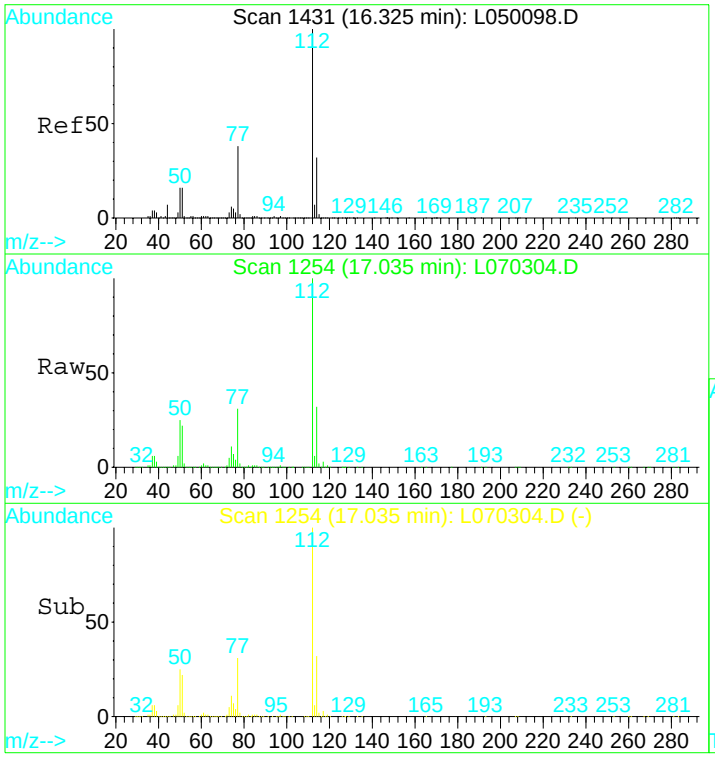


#50
Tetrachloroethene
Concen: 0.49 PPBV
RT: 15.84 min Scan# 1135
Delta R.T. 0.00 min
Lab File: L070304.D
Acq: 11 Jul 2007 6:34 pm

Tgt Ion:166 Resp: 97725

Ion	Ratio	Lower	Upper
166	100		
164	74.2	62.4	93.6
131	44.4	56.2	84.2#

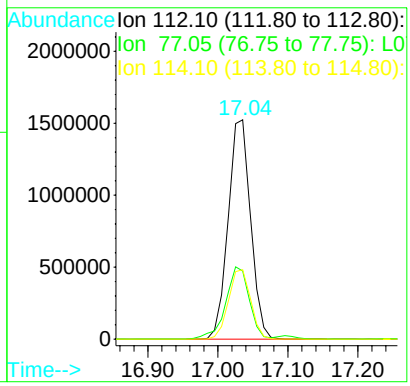


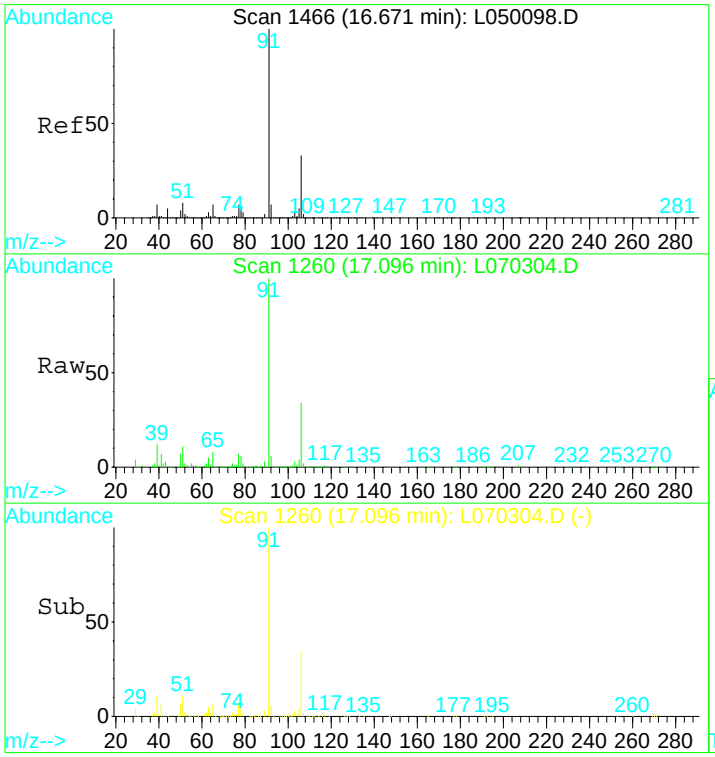


#51
Chlorobenzene
Concen: 12.10 PPBV
RT: 17.04 min Scan# 1254
Delta R.T. 0.00 min
Lab File: L070304.D
Acq: 11 Jul 2007 6:34 pm

Tgt Ion:112 Resp: 3397969

Ion	Ratio	Lower	Upper
112	100		
77	34.5	54.6	82.0#
114	31.3	26.6	40.0

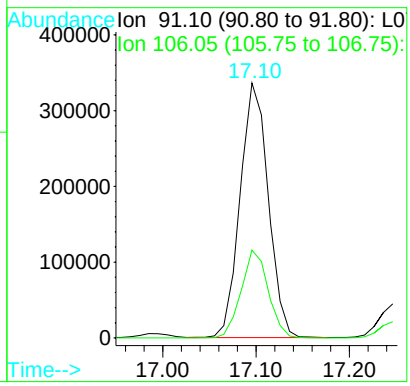




#52
Ethylbenzene
Concen: 2.02 PPBV
RT: 17.10 min Scan# 1260
Delta R.T. -0.01 min
Lab File: L070304.D
Acq: 11 Jul 2007 6:34 pm

Tgt Ion: 91 Resp: 706353

Ion	Ratio	Lower	Upper
91	100		
106	33.2	22.6	34.0



Library Search Compound Report

Data File : M:\MS2007Q3\LURCH\DATA\JUL07\07-11-07\L070304.D Vial: 12
Acq On : 11 Jul 2007 6:34 pm Operator: lag
Sample : WSP-BG 06/28/07, 500mL Inst : Lurch
Misc : 1020, 0707-03 Multiplr: 1.00
MS Integration Params: RTEINT.P

Quant Method : M:\MS2007Q1\L...\TO1415.M (RTE Integrator)
Title : TO14
Library : C:\DATABASE\NIST98.L

****
Peak Number 1 2H-Pyran-2-one, tetrahydro-6,6 Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
5.19	15.04 PPBV	9947830	Bromochloromethane (IS)	11.61

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2H-Pyran-2-one, tetrahydro-6,6-dime	128	C7H12O2	002610-95-9	36
2	2,3-Dihydrofuran	70	C4H6O	001191-99-7	28
3	cis-1-Nitro-1-propene	87	C3H5NO2	027675-36-1	28
4	1-Propanesulfonyl chloride	142	C3H7ClO2S	010147-36-1	23
5	3-Butenoic acid	86	C4H6O2	000625-38-7	12

Unknown

****
Peak Number 2 Propane Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
5.58	26.19 PPBV	17321800	Bromochloromethane (IS)	11.61

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Propane	44	C3H8	000074-98-6	9
2	Propane	44	C3H8	000074-98-6	9
3	Propane	44	C3H8	000074-98-6	9
4	Ethylene oxide	44	C2H4O	000075-21-8	7
5	Acetaldehyde	44	C2H4O	000075-07-0	7

****
Peak Number 3 Methyl Alcohol Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
5.89	55.01 PPBV	36381900	Bromochloromethane (IS)	11.61

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Methyl Alcohol	32	CH4O	000067-56-1	2
2	Methyl Alcohol	32	CH4O	000067-56-1	2
3	Methyl Alcohol	32	CH4O	000067-56-1	2
4	Hydrazine	32	H4N2	000302-01-2	1
5	Hydrazine	32	H4N2	000302-01-2	1

Library Search Compound Report

Data File : M:\MS2007Q3\LURCH\DATA\JUL07\07-11-07\L070304.D Vial: 12
Acq On : 11 Jul 2007 6:34 pm Operator: lag
Sample : WSP-BG 06/28/07, 500mL Inst : Lurch
Misc : 1020, 0707-03 Multiplr: 1.00
MS Integration Params: RTEINT.P

Quant Method : M:\MS2007Q1\L...\TO1415.M (RTE Integrator)
Title : TO14
Library : C:\DATABASE\NIST98.L

****

Peak Number 4 Pentane Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.02	4.40 PPBV	2912560	Bromochloromethane (IS)	11.61

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pentane	72	C5H12	000109-66-0	47
2	Butane, 2-methyl-	72	C5H12	000078-78-4	43
3	Butane, 2-methyl-	72	C5H12	000078-78-4	37
4	Pentane	72	C5H12	000109-66-0	28
5	Cyclobutane, methyl-	70	C5H10	000598-61-8	12

Unknown alkane

****

Peak Number 5 Ethanol Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.45	20.38 PPBV	13480500	Bromochloromethane (IS)	11.61

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Ethanol	46	C2H6O	000064-17-5	9
2	Acetic acid, hydroxy-	76	C2H4O3	000079-14-1	9
3	Ethanol	46	C2H6O	000064-17-5	7
4	Ethanol	46	C2H6O	000064-17-5	4
5	Methyl Alcohol	32	CH4O	000067-56-1	2

****

Peak Number 6 1-Propene, 2-methyl- Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.36	2.61 PPBV	1727510	Bromochloromethane (IS)	11.61

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1-Propene, 2-methyl-	56	C4H8	000115-11-7	53
2	1-Propene, 2-methyl-	56	C4H8	000115-11-7	27
3	1-Butene	56	C4H8	000106-98-9	27
4	1-Butene	56	C4H8	000106-98-9	16
5	1-Propene, 2-methyl-	56	C4H8	000115-11-7	16

Library Search Compound Report

Data File : M:\MS2007Q3\LURCH\DATA\JUL07\07-11-07\L070304.D Vial: 12
Acq On : 11 Jul 2007 6:34 pm Operator: lag
Sample : WSP-BG 06/28/07, 500mL Inst : Lurch
Misc : 1020, 0707-03 Multiplr: 1.00
MS Integration Params: RTEINT.P

Quant Method : M:\MS2007Q1\L...\TO1415.M (RTE Integrator)
Title : TO14
Library : C:\DATABASE\NIST98.L

****
Peak Number 7 2-Propenoic acid, 2-methyl-, o Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.04	3.71 PPBV	2453690	Bromochloromethane (IS)	11.61

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Propenoic acid, 2-methyl-, oxiran	142	C7H10O3	000106-91-2	38
2	2-Pentene, 4-methyl-, (E)-	84	C6H12	000674-76-0	9
3	2-Methyl-2-vinyloxirane	84	C5H8O	001838-94-4	9
4	Cyclopropane, 1-ethyl-2-methyl-, ci	84	C6H12	019781-68-1	9
5	3,4-Pentadienal	82	C5H6O	004009-55-6	4

Unknown

****
Peak Number 8 Hexane, 2-methyl- Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.80	3.02 PPBV	1999800	Bromochloromethane (IS)	11.61

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Hexane, 2-methyl-	100	C7H16	000591-76-4	46
2	Pentane, 2-bromo-2-methyl-	164	C6H13Br	004283-80-1	32
3	Hexane, 2-methyl-	100	C7H16	000591-76-4	32
4	Hexane, 2-methyl-	100	C7H16	000591-76-4	32
5	Pentane, 1-bromo-4-methyl-	164	C6H13Br	000626-88-0	25

Unknown alkane

****
Peak Number 9 Pentane, 2-methyl- Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.08	6.68 PPBV	4416600	Bromochloromethane (IS)	11.61

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pentane, 2-methyl-	86	C6H14	000107-83-5	33
2	Heptane	100	C7H16	000142-82-5	16
3	3-Methyl-2-hexene	98	C7H14	017618-77-8	12
4	Hexane, 3-methyl-	100	C7H16	000589-34-4	12
5	Hexane, 3-methyl-	100	C7H16	000589-34-4	10

Unknown alkane

Library Search Compound Report

Data File : M:\MS2007Q3\LURCH\DATA\JUL07\07-11-07\L070304.D Vial: 12
Acq On : 11 Jul 2007 6:34 pm Operator: lag
Sample : WSP-BG 06/28/07, 500mL Inst : Lurch
Misc : 1020, 0707-03 Multiplr: 1.00
MS Integration Params: RTEINT.P

Quant Method : M:\MS2007Q1\L...\TO1415.M (RTE Integrator)
Title : TO14
Library : C:\DATABASE\NIST98.L

****
Peak Number 10 4-Pentenal, 2-ethyl- Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.55	10.10 PPBV	9462510	1,4-Difluorobenzene (IS)	13.04

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	4-Pentenal, 2-ethyl-	112	C7H12O	005204-80-8	42
2	1-Butene	56	C4H8	000106-98-9	32
3	Pentane, 3-methylene-	84	C6H12	000760-21-4	27
4	Cyclopropane, 1-ethyl-1-methyl-	84	C6H12	053778-43-1	25
5	1-Hexene	84	C6H12	000592-41-6	25

Unknown

****
Peak Number 11 Hexane, 1,1'-[methylenebis(oxy Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.66	2.29 PPBV	2149040	1,4-Difluorobenzene (IS)	13.04

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Hexane, 1,1'-[methylenebis(oxy)]bis	216	C13H28O2	054815-12-2	43
2	Pentane, 3-ethyl-3-methyl-	114	C8H18	001067-08-9	43
3	1-Pentene, 3-ethyl-2-methyl-	112	C8H16	019780-66-6	14
4	2-Hexene, 2,3-dimethyl-	112	C8H16	007145-20-2	11
5	3-Hexene, 2,3-dimethyl-	112	C8H16	007145-23-5	11

****
Peak Number 12 Benzene, (1-methylethyl)- Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.23	2.80 PPBV	4570900	Chlorobenzene-d5 (IS)	17.00

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, (1-methylethyl)-	120	C9H12	000098-82-8	90
2	Benzene, (1-methylethyl)-	120	C9H12	000098-82-8	87
3	Benzene, 1,2,3-trimethyl-	120	C9H12	000526-73-8	86
4	Benzene, 1,3,5-trimethyl-	120	C9H12	000108-67-8	86
5	Benzene, 1-ethyl-2-methyl-	120	C9H12	000611-14-3	83

Library Search Compound Report

Data File : M:\MS2007Q3\LURCH\DATA\JUL07\07-11-07\L070304.D Vial: 12
Acq On : 11 Jul 2007 6:34 pm Operator: lag
Sample : WSP-BG 06/28/07, 500mL Inst : Lurch
Misc : 1020, 0707-03 Multiplr: 1.00
MS Integration Params: RTEINT.P

Quant Method : M:\MS2007Q1\L...\TO1415.M (RTE Integrator)
Title : TO14
Library : C:\DATABASE\NIST98.L

****

Peak Number 13 1,4-Cyclohexadiene-1-carboxyli Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
21.52	6.80 PPBV	11097600	Chlorobenzene-d5 (IS)	17.00

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1,4-Cyclohexadiene-1-carboxylic aci	138	C8H10O2	050983-21-6	43
2	Tricyclo[2.2.1.01,4]heptan-2-one, 6	153	C7H7NO3	056666-50-3	37
3	6-Chloro-1-nitrocyclohexene	161	C6H8ClNO2	084820-11-1	37
4	Benzene, nitroso-	107	C6H5NO	000586-96-9	35
5	2,4-Cyclohexadiene-1-carboxylic aci	138	C8H10O2	054162-19-5	25

Tentatively Identified Compound (LSC) summary

Operator ID: lag Date Acquired: 11 Jul 2007 6:34 pm
Data File: M:\MS2007Q3\LURCH\DATA\JUL07\07-11-07\L070304.D
Name: WSP-BG 06/28/07, 500mL
Misc: 1020, 0707-03
Method: M:\MS2007Q1\LURCH\METHODS\TO1415.M (RTE Integrator)
Title: TO14
Library Searched: C:\DATABASE\NIST98.L

TIC Top Hit name	RT	EstConc	Units	Area	IntStd	ISRT	ISArea	ISConc
2H-Pyran-2-one, tetr	5.19	15.0	PPBV	9947830	ISTD01	11.61	13360800	20.2
Propane	5.58	26.2	PPBV	17321800	ISTD01	11.61	13360800	20.2
Methyl Alcohol	5.89	55.0	PPBV	36381900	ISTD01	11.61	13360800	20.2
Pentane	7.02	4.4	PPBV	2912560	ISTD01	11.61	13360800	20.2
Ethanol	7.45	20.4	PPBV	13480500	ISTD01	11.61	13360800	20.2
1-Propene, 2-methyl-	9.36	2.6	PPBV	1727510	ISTD01	11.61	13360800	20.2
2-Propenoic acid, 2-	10.04	3.7	PPBV	2453690	ISTD01	11.61	13360800	20.2
Hexane, 2-methyl-	11.80	3.0	PPBV	1999800	ISTD01	11.61	13360800	20.2
Pentane, 2-methyl-	12.08	6.7	PPBV	4416600	ISTD01	11.61	13360800	20.2
4-Pentenal, 2-ethyl-	14.55	10.1	PPBV	9462510	ISTD02	13.04	18746400	20.0
Hexane, 1,1'-[methyl	14.66	2.3	PPBV	2149040	ISTD02	13.04	18746400	20.0
Benzene, (1-methylet	18.23	2.8	PPBV	4570900	ISTD03	17.00	33299400	20.4
1,4-Cyclohexadiene-1	21.52	6.8	PPBV	11097600	ISTD03	17.00	33299400	20.4

L070304.D TO1415.M Thu Jul 12 12:36:39 2007

Library Search Compound Report

Data File : M:\MS2007Q3\LURCH\DATA\JUL07\07-11-07\L070304.D Vial: 12
Acq On : 11 Jul 2007 6:34 pm Operator: lag
Sample : WSP-BG 06/28/07, 500mL Inst : Lurch
Misc : 1020, 0707-03 Multiplr: 1.00
MS Integration Params: RTEINT.P

Quant Method : M:\MS2007Q1\L...\TO1415.M (RTE Integrator)
Title : TO14
Library : C:\DATABASE\NIST98.L

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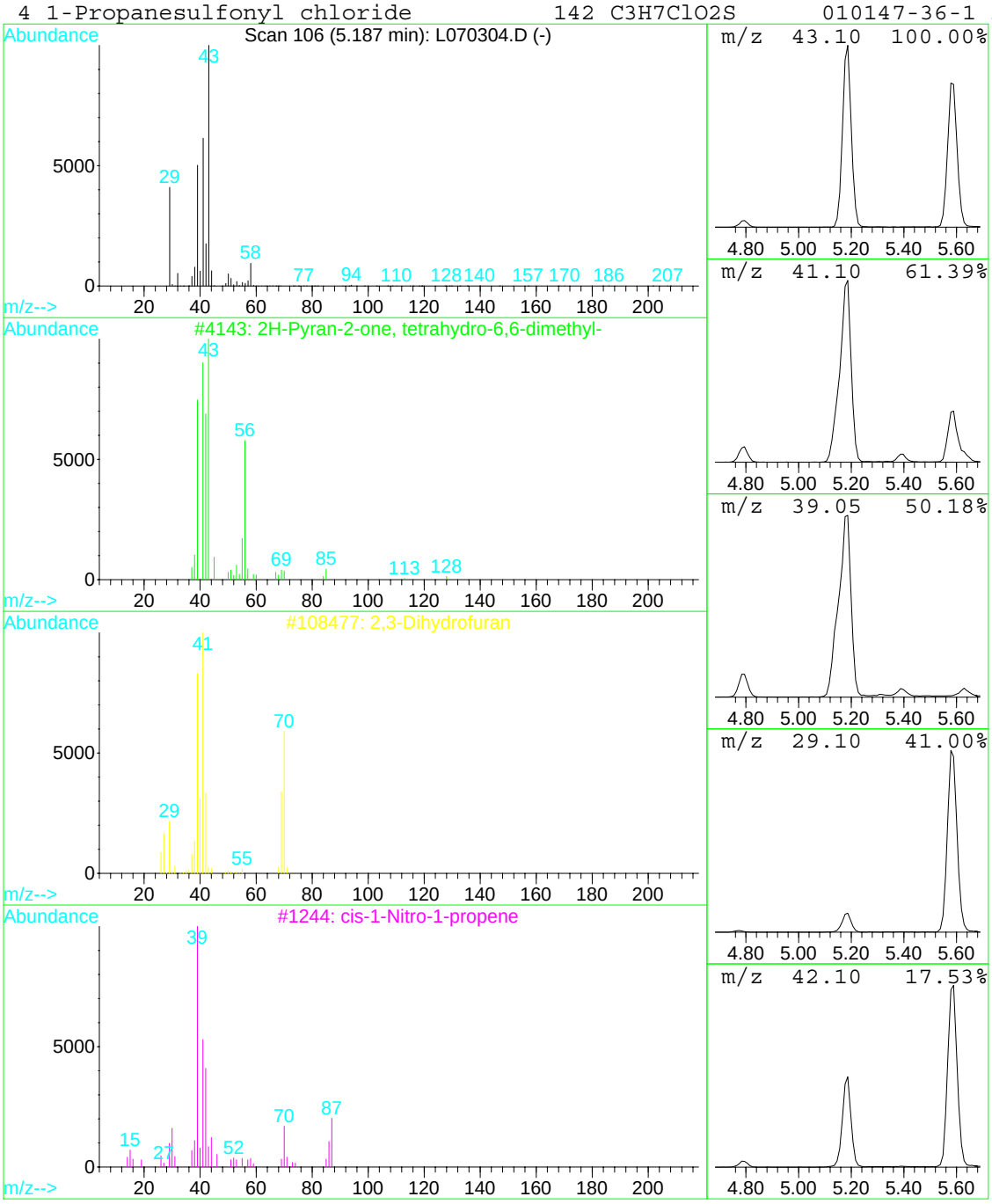
Peak Number 1 2H-Pyran-2-one, tetrahydro-6,6 Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
5.19	15.04 PPBV	9947830	Bromochloromethane (IS)	11.61

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2H-Pyran-2-one, tetrahydro-6,6-dime	128	C7H12O2	002610-95-9	36
2	2,3-Dihydrofuran	70	C4H6O	001191-99-7	28
3	cis-1-Nitro-1-propene	87	C3H5NO2	027675-36-1	28
4	1-Propanesulfonyl chloride	142	C3H7ClO2S	010147-36-1	23



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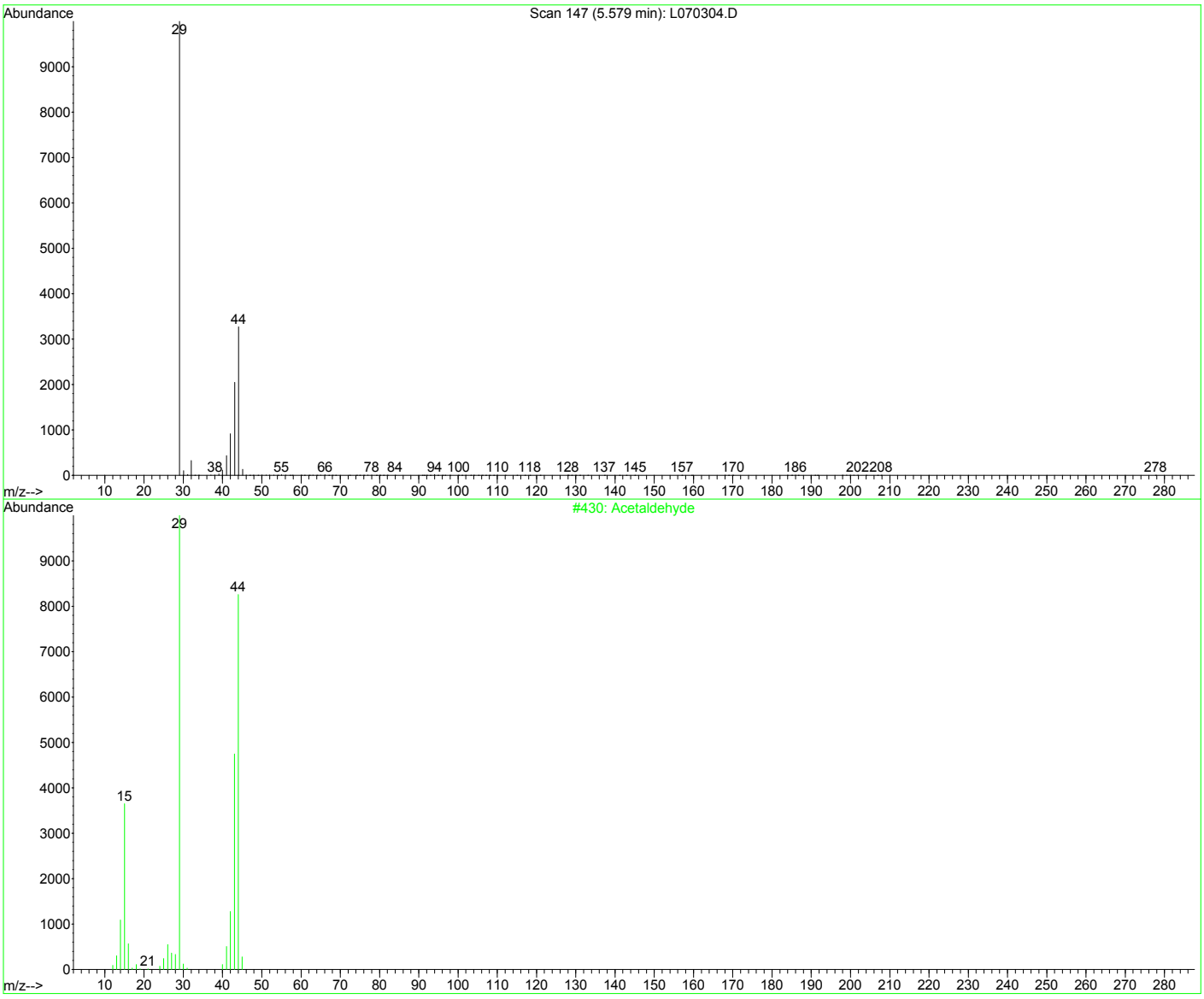

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Sample : WSP-BG 06/28/07, 500mL Inst : Lurch
Misc : 1020, 0707-03 Multiplr: 1.00
MS Integration Params: RTEINT.P

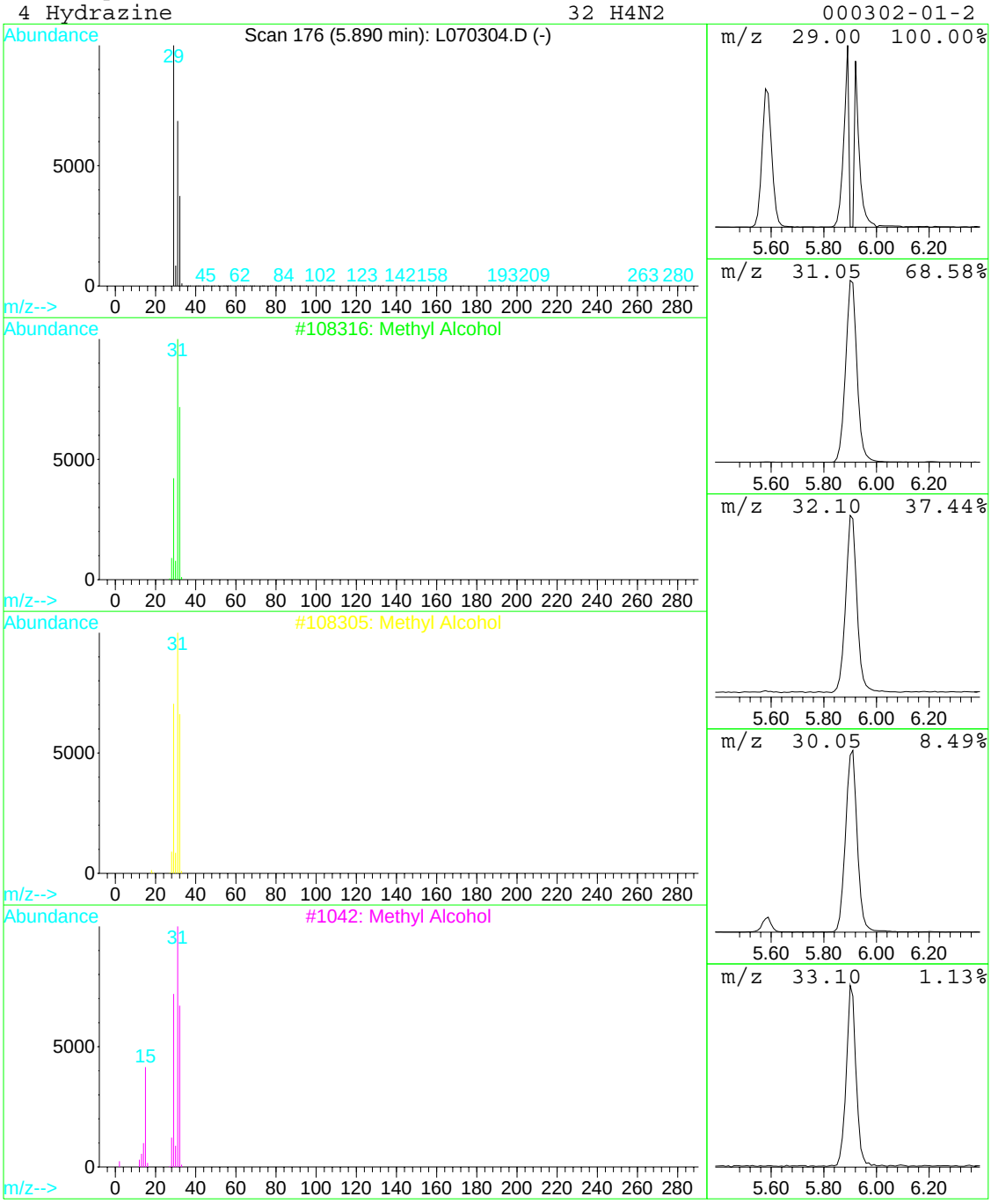
Quant Method : M:\MS2007Q1\L...\TO1415.M (RTE Integrator)
Title : TO14
Library : C:\DATABASE\NIST98.L

****

Peak Number 3 Methyl Alcohol Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
5.89	55.01 PPBV	36381900	Bromochloromethane (IS)	11.61

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Methyl Alcohol	32	CH4O	000067-56-1	2
2	Methyl Alcohol	32	CH4O	000067-56-1	2
3	Methyl Alcohol	32	CH4O	000067-56-1	2
4	Hydrazine	32	H4N2	000302-01-2	1



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Acq On : 11 Jul 2007 6:34 pm Operator: lag
Sample : WSP-BG 06/28/07, 500mL Inst : Lurch
Misc : 1020, 0707-03 Multiplr: 1.00
MS Integration Params: RTEINT.P

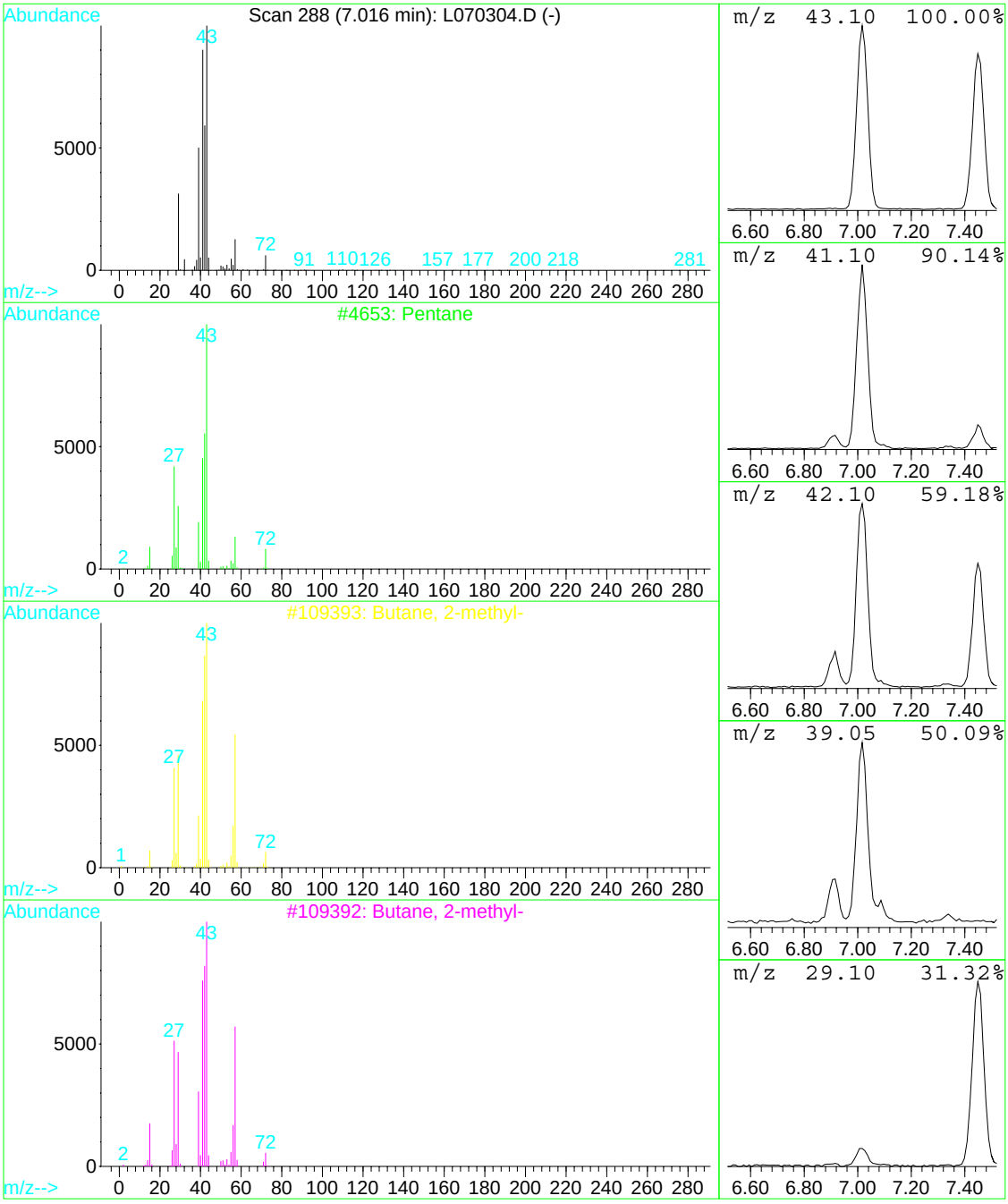
Quant Method : M:\MS2007Q1\L...\TO1415.M (RTE Integrator)
Title : TO14
Library : C:\DATABASE\NIST98.L

****

Peak Number 4 Pentane Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.02	4.40 PPBV	2912560	Bromochloromethane (IS)	11.61

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pentane	72	C5H12	000109-66-0	47
2	Butane, 2-methyl-	72	C5H12	000078-78-4	43
3	Butane, 2-methyl-	72	C5H12	000078-78-4	37
4	Pentane	72	C5H12	000109-66-0	28



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  Sample    : WSP-BG 06/28/07, 500mL                    Inst    : Lurch
  Misc      : 1020, 0707-03                             Multiplr: 1.00
  MS Integration Params: RTEINT.P

  Quant Method : M:\MS2007Q1\L...\TO1415.M (RTE Integrator)
  Title        : TO14
  Library      : C:\DATABASE\NIST98.L
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Peak Number  5  Ethanol                          Concentration Rank  3
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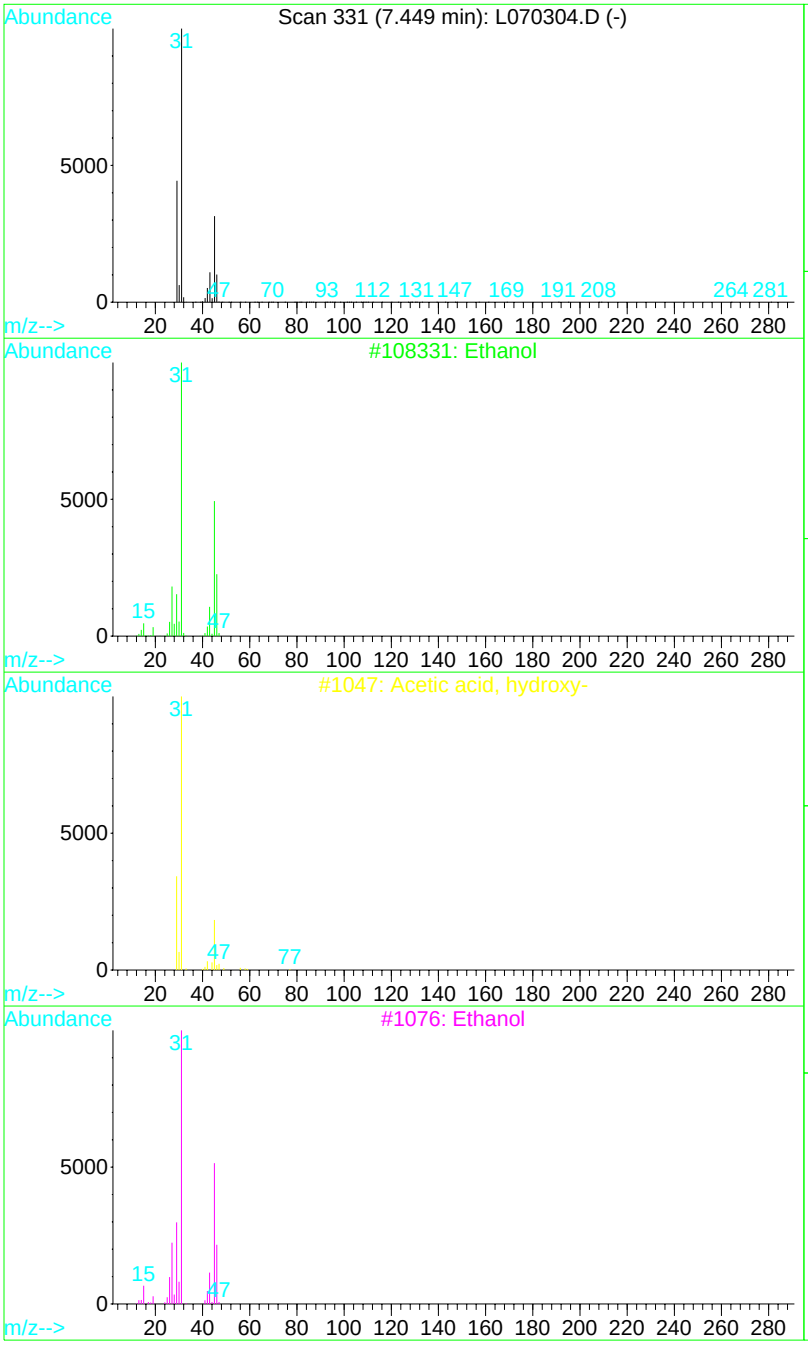
R.T.	EstConc	Area	Relative to ISTD	R.T.
7.45	20.38 PPBV	13480500	Bromochloromethane (IS)	11.61

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Ethanol	46	C2H6O	000064-17-5	9
2	Acetic acid, hydroxy-	76	C2H4O3	000079-14-1	9
3	Ethanol	46	C2H6O	000064-17-5	7
4	Ethanol	46	C2H6O	000064-17-5	4



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Acq On : 11 Jul 2007 6:34 pm Operator: lag
Sample : WSP-BG 06/28/07, 500mL Inst : Lurch
Misc : 1020, 0707-03 Multiplr: 1.00
MS Integration Params: RTEINT.P

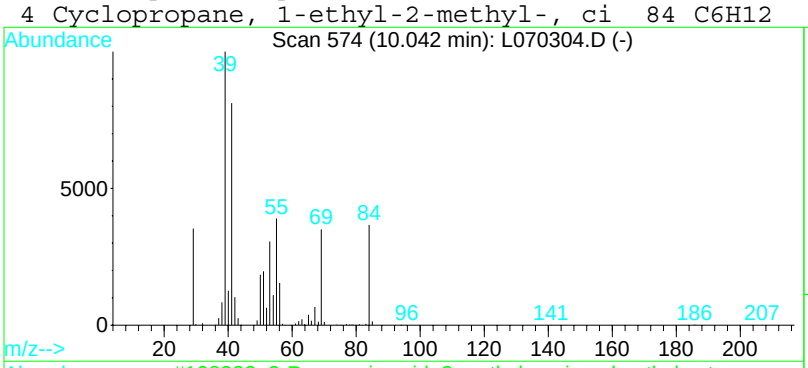
Quant Method : M:\MS2007Q1\L...\TO1415.M (RTE Integrator)
Title : TO14
Library : C:\DATABASE\NIST98.L

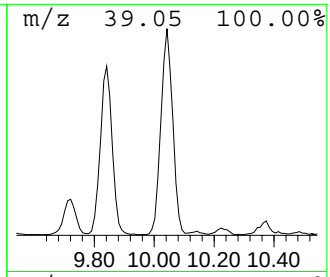
****

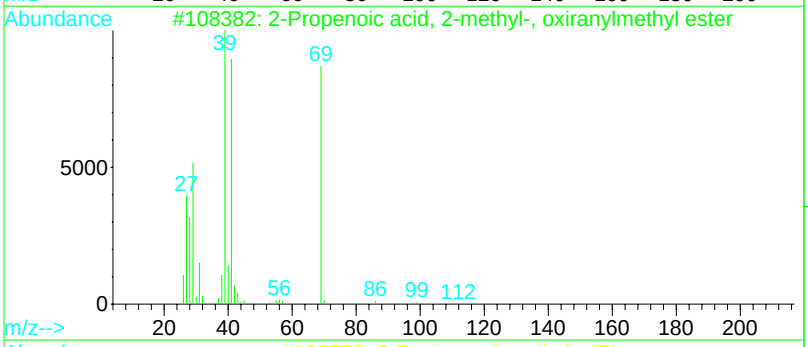
Peak Number 7 2-Propenoic acid, 2-methyl-, o Concentration Rank 9

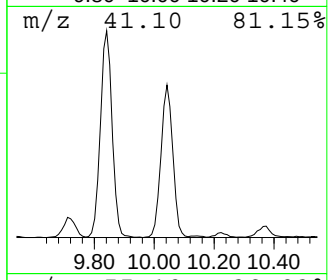
R.T.	EstConc	Area	Relative to ISTD	R.T.
10.04	3.71 PPBV	2453690	Bromochloromethane (IS)	11.61

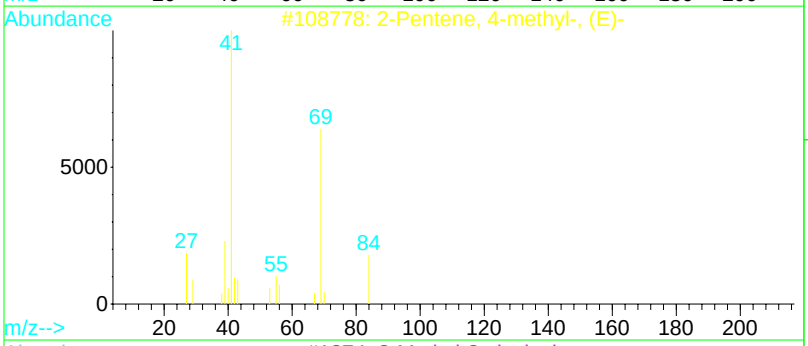
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Propenoic acid, 2-methyl-, oxiran	142	C7H10O3	000106-91-2	38
2	2-Pentene, 4-methyl-, (E)-	84	C6H12	000674-76-0	9
3	2-Methyl-2-vinyloxirane	84	C5H8O	001838-94-4	9
4	Cyclopropane, 1-ethyl-2-methyl-, ci	84	C6H12	019781-68-1	9

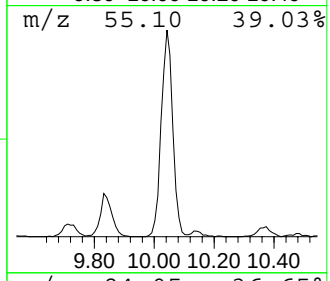


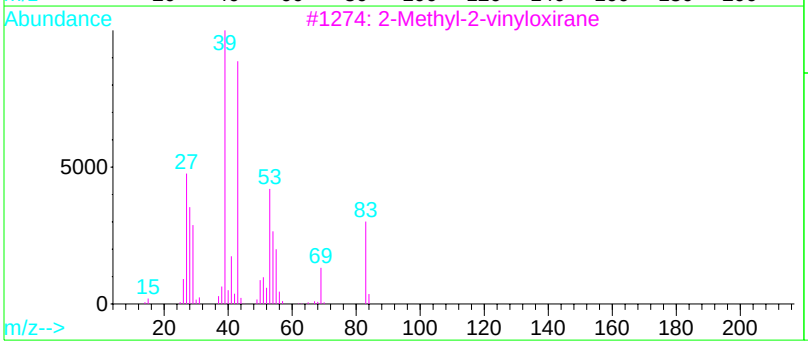


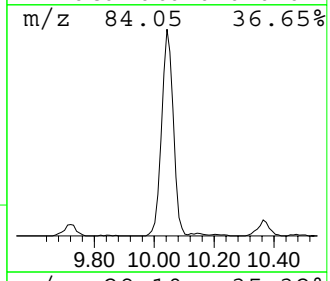


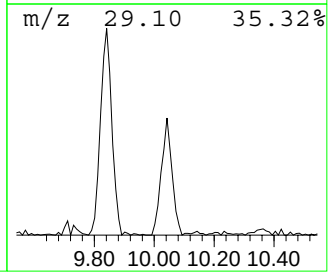












Library Search Compound Report

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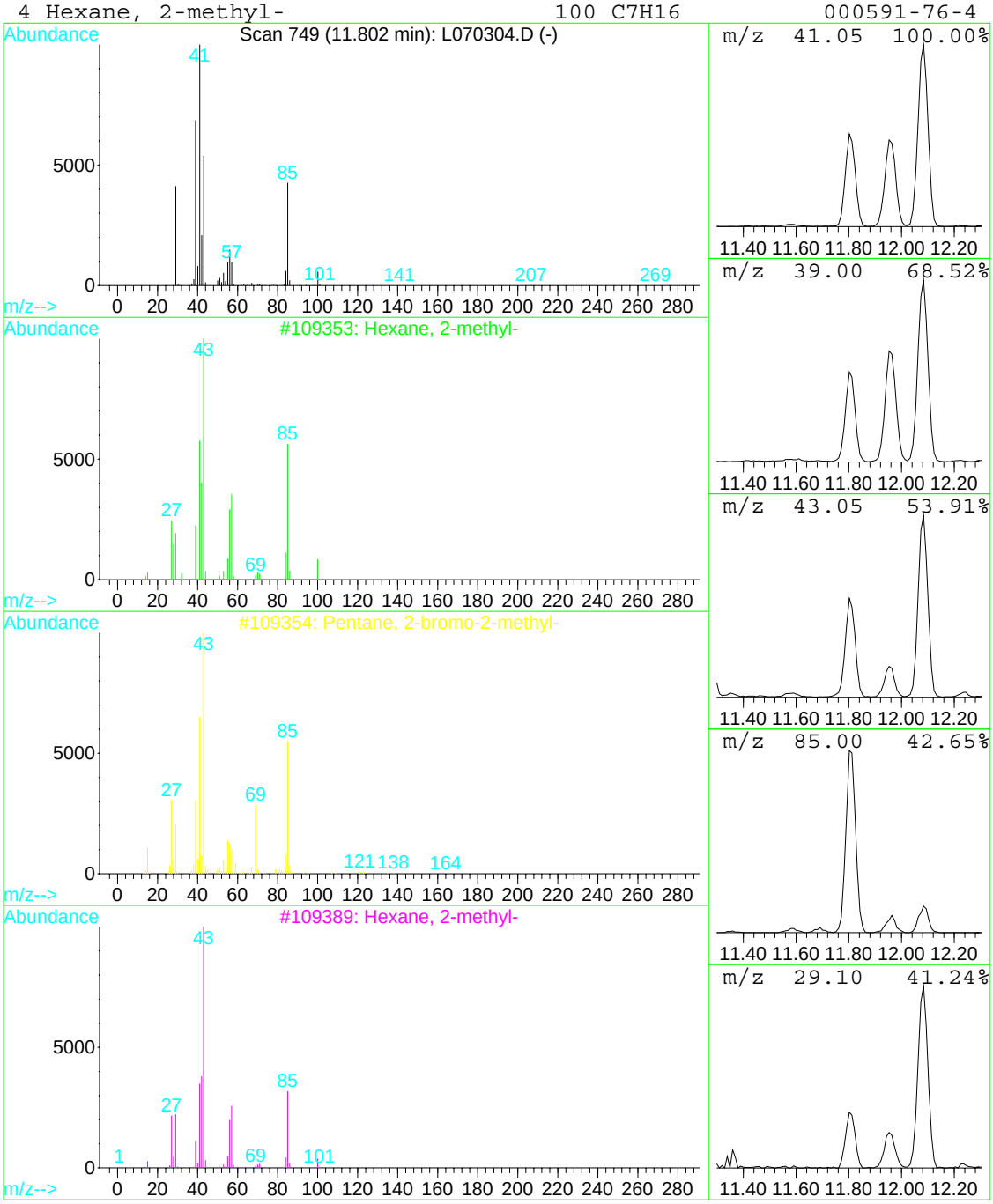
  Acq On    : 11 Jul 2007    6:34 pm                    Operator: lag
  Sample    : WSP-BG 06/28/07, 500mL                    Inst    : Lurch
  Misc      : 1020, 0707-03                             Multiplr: 1.00
  MS Integration Params: RTEINT.P

  Quant Method : M:\MS2007Q1\L...\TO1415.M (RTE Integrator)
  Title        : TO14
  Library      : C:\DATABASE\NIST98.L
**********************************************************************
Peak Number  8  Hexane, 2-methyl-              Concentration Rank 10
```

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.80	3.02 PPBV	1999800	Bromochloromethane (IS)	11.61

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Hexane, 2-methyl-	100	C7H16	000591-76-4	46
2	Pentane, 2-bromo-2-methyl-	164	C6H13Br	004283-80-1	32
3	Hexane, 2-methyl-	100	C7H16	000591-76-4	32
4	Hexane, 2-methyl-	100	C7H16	000591-76-4	32



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  Sample    : WSP-BG 06/28/07, 500mL                    Inst    : Lurch
  Misc      : 1020, 0707-03                             Multiplr: 1.00
  MS Integration Params: RTEINT.P

  Quant Method : M:\MS2007Q1\L...\TO1415.M (RTE Integrator)
  Title        : TO14
  Library      : C:\DATABASE\NIST98.L
**********************************************************************
Peak Number  9  Pentane, 2-methyl-              Concentration Rank  7
```
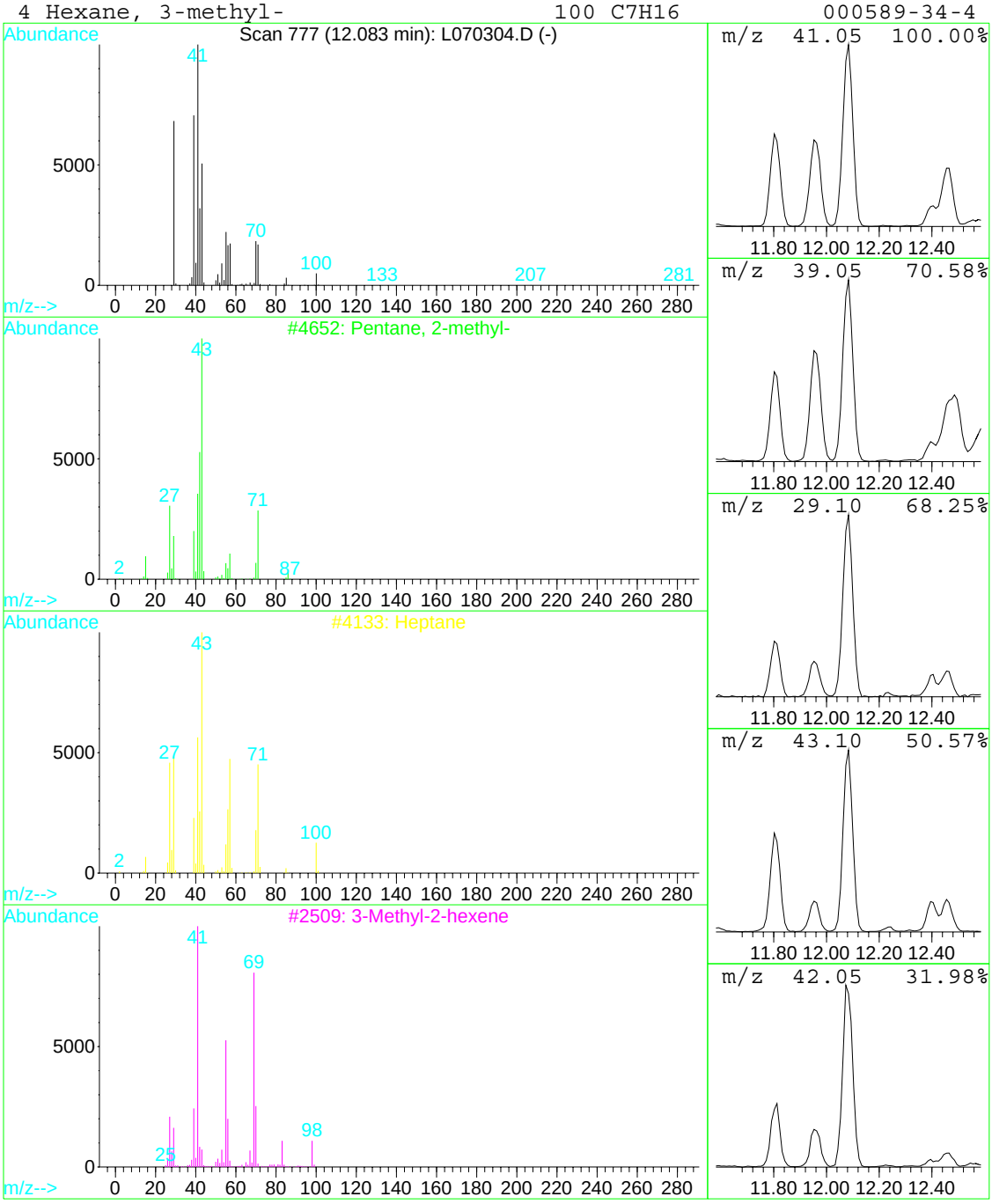

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.08	6.68 PPBV	4416600	Bromochloromethane (IS)	11.61

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pentane, 2-methyl-	86	C6H14	000107-83-5	33
2	Heptane	100	C7H16	000142-82-5	16
3	3-Methyl-2-hexene	98	C7H14	017618-77-8	12
4	Hexane, 3-methyl-	100	C7H16	000589-34-4	12



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Acq On : 11 Jul 2007 6:34 pm Operator: lag
Sample : WSP-BG 06/28/07, 500mL Inst : Lurch
Misc : 1020, 0707-03 Multiplr: 1.00
MS Integration Params: RTEINT.P

Quant Method : M:\MS2007Q1\L...\TO1415.M (RTE Integrator)
Title : TO14
Library : C:\DATABASE\NIST98.L

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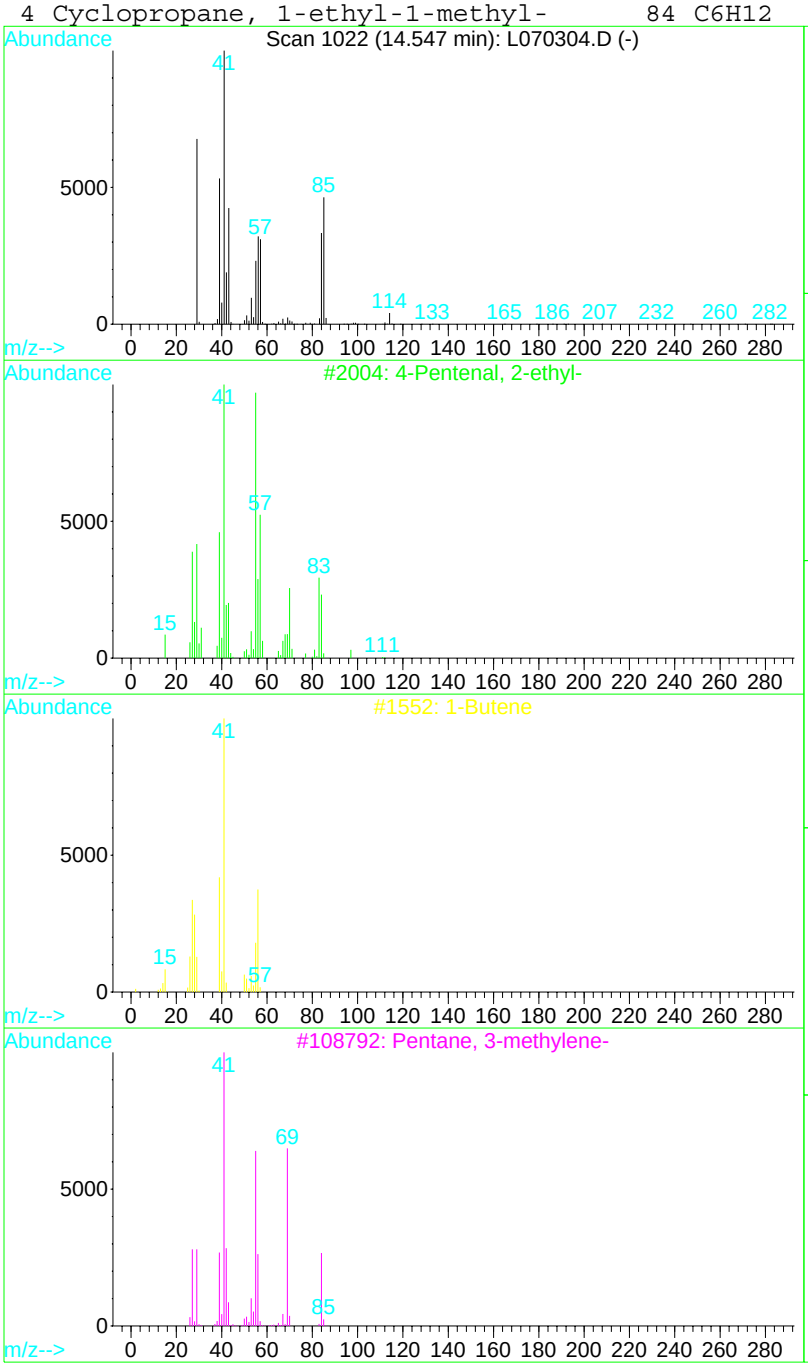
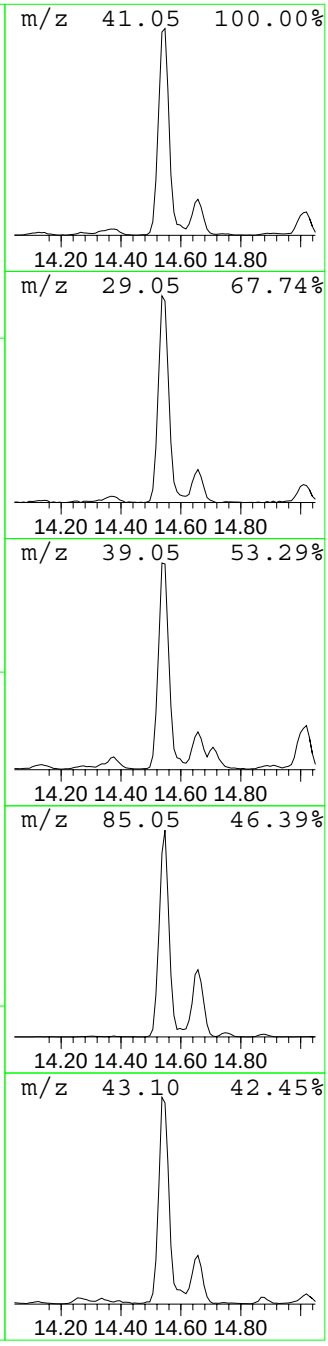
Peak Number 10 4-Pentenal, 2-ethyl- Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.55	10.10 PPBV	9462510	1,4-Difluorobenzene (IS)	13.04

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	4-Pentenal, 2-ethyl-	112	C7H12O	005204-80-8	42
2	1-Butene	56	C4H8	000106-98-9	32
3	Pentane, 3-methylene-	84	C6H12	000760-21-4	27
4	Cyclopropane, 1-ethyl-1-methyl-	84	C6H12	053778-43-1	25





Data File : M:\MS2007Q3\LURCH\DATA\JUL07\07-11-07\L070304.D Vial: 12
Acq On : 11 Jul 2007 6:34 pm Operator: lag
Sample : WSP-BG 06/28/07, 500mL Inst : Lurch
Misc : 1020, 0707-03 Multiplr: 1.00
MS Integration Params: RTEINT.P

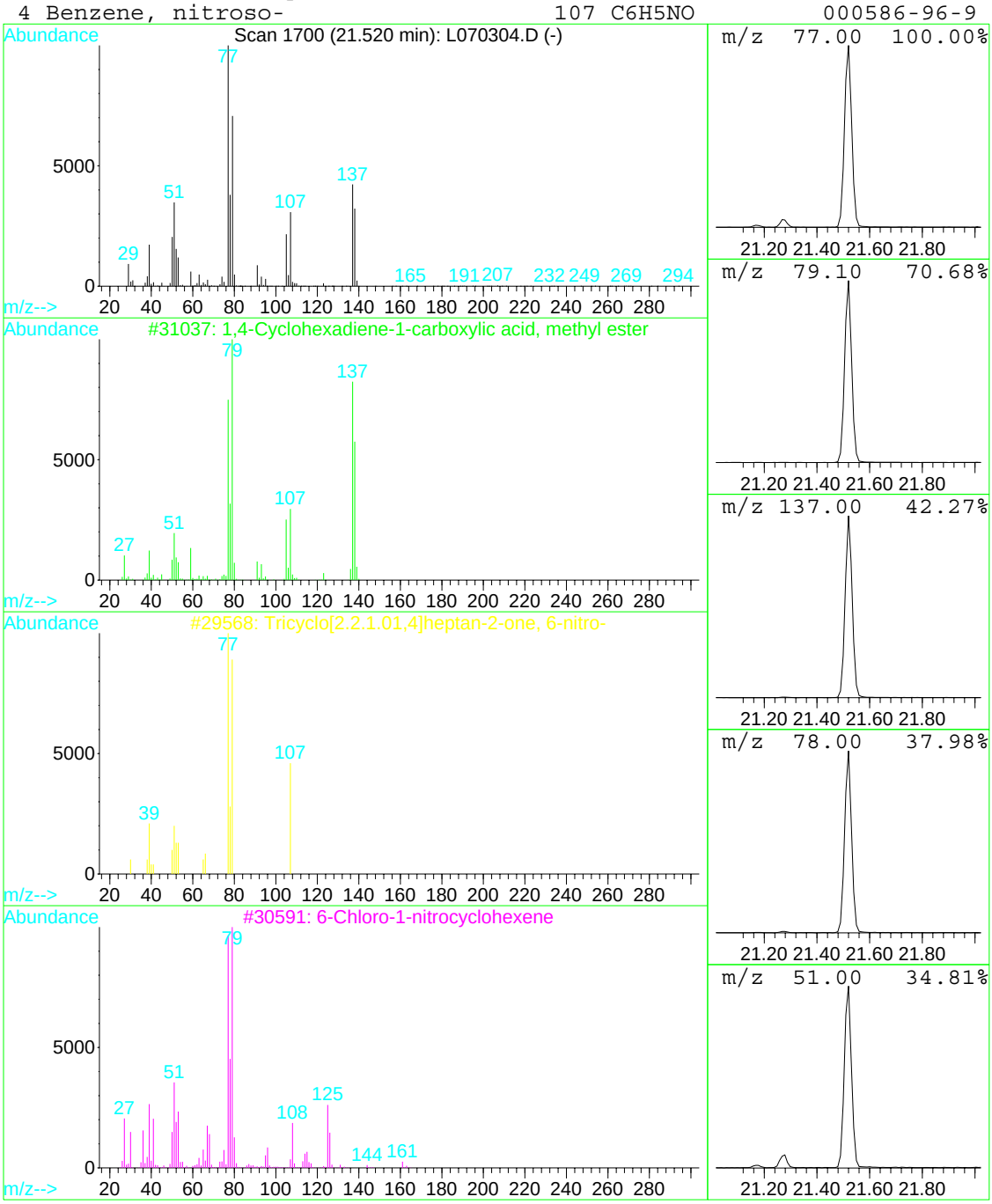
Quant Method : M:\MS2007Q1\L...\TO1415.M (RTE Integrator)
Title : TO14
Library : C:\DATABASE\NIST98.L

****

Peak Number 13 1,4-Cyclohexadiene-1-carboxyli Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
21.52	6.80 PPBV	11097600	Chlorobenzene-d5 (IS)	17.00

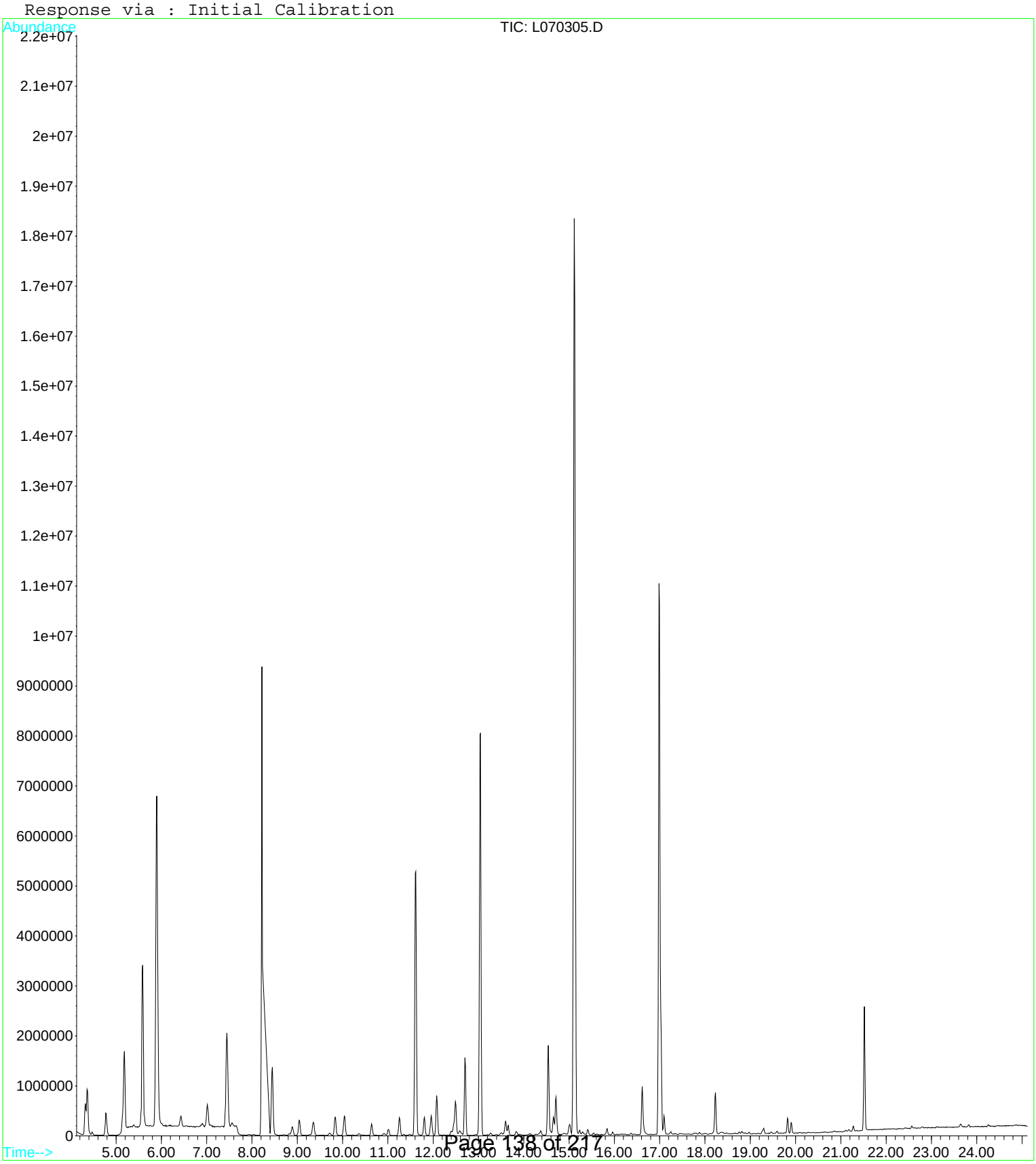
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1,4-Cyclohexadiene-1-carboxylic aci	138	C8H10O2	050983-21-6	43
2	Tricyclo[2.2.1.01,4]heptan-2-one, 6	153	C7H7NO3	056666-50-3	37
3	6-Chloro-1-nitrocyclohexene	161	C6H8ClNO2	084820-11-1	37
4	Benzene, nitroso-	107	C6H5NO	000586-96-9	35



Quantitation Report

Data File : M:\MS2007Q3\LURCH\DATA\JUL07\07-11-07\L070305.D Vial: 13
Acq On : 11 Jul 2007 7:19 pm Operator: lag
Sample : WSP-BG 06/28/07, 250mL Inst : Lurch
Misc : 1020, 0707-03, df=2* Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Jul 12 12:34 2007 Quant Results File: TO1415.RES

Method : M:\MS2007Q1\LURCH\METHODS\TO1415.M (RTE Integrator)
Title : TO14
Last Update : Tue Apr 17 17:01:10 2007
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data File : M:\MS2007Q3\LURCH\DATA\JUL07\07-11-07\L070305.D Vial: 13
Acq On : 11 Jul 2007 7:19 pm Operator: lag
Sample : WSP-BG 06/28/07, 250mL Inst : Lurch
Misc : 1020, 0707-03, df=2* Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Jul 12 12:34 2007 Quant Results File: TO1415.RES

Quant Method : M:\MS2007Q1\L...\TO1415.M (RTE Integrator)
Title : TO14
Last Update : Tue Apr 17 17:01:10 2007
Response via : Initial Calibration
DataAcq Meth : MM-624C

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
1) Bromochloromethane (IS)	11.62	130	2035420	20.20	PPBV		0.00
31) 1,4-Difluorobenzene (IS)	13.04	114	8599016	20.00	PPBV		0.00
45) Chlorobenzene-d5 (IS)	16.98	117	7809727	20.40	PPBV		0.00
Target Compounds							Qvalue
2) propylene	0.00	41	0	N.D.	d		
3) Freon12(CCl2F2)	0.00	85	0	N.D.	d		
4) Chloromethane	0.00	50	0	N.D.	d		
5) Freon 114 (C2Cl2F4)	0.00	85	0	N.D.			
6) Chloroethene	0.00	62	0	N.D.			
7) 1,3-Butadiene	0.00	39	0	N.D.	d		
8) Bromomethane	0.00	94	0	N.D.	d		
9) Chloroethane	0.00	64	0	N.D.			
10) Bromoethene	0.00	106	0	N.D.			
11) Acetone	8.22	43	17534377	143.87	PPBV	#	91
12) Freon 11 (CCl3F)	0.00	101	0	N.D.	d		
13) Isopropyl alcohol	0.00	45	0	N.D.	d		
14) 1,1-Dichloroethene	0.00	61	0	N.D.			
15) Methylene chloride	0.00	49	0	N.D.	d		
16) Allyl chloride	0.00	76	0	N.D.			
17) Freon 113 (C2Cl3F3)	0.00	151	0	N.D.	d		
18) Carbon disulfide	8.45	76	1080703m	9.77	PPBV	Manual Integration (LAG)	
19) trans-1,2-Dichloroethene	0.00	61	0	N.D.			
20) 1,1-Dichloroethane	0.00	63	0	N.D.			
21) Methyl tert-butyl ether	0.00	73	0	N.D.			
22) Vinyl acetate	0.00	43	0	N.D.			
23) Methyl ethyl ketone (2-But	0.00	72	0	N.D.	d		
24) cis-1,2-Dichloroethylene	0.00	61	0	N.D.	d		
25) Hexane	0.00	57	0	N.D.	d		
26) Ethyl acetate	0.00	45	0	N.D.	d		
27) Chloroform	0.00	83	0	N.D.	d		
28) Tetrahydrofuran	0.00	72	0	N.D.			
29) 1,2-Dichloroethane	0.00	62	0	N.D.	d		
30) 1,1,1-Trichloroethane	0.00	97	0	N.D.	d		
32) Benzene	12.49	78	456594	5.38	PPBV	#	66
33) Carbon tetrachloride	0.00	117	0	N.D.	d		
34) Cyclohexane	0.00	56	0	N.D.	d		
35) 1,2-Dichloropropane	0.00	63	0	N.D.			
36) Bromodichloromethane	0.00	83	0	N.D.	d		
37) 2,2,4-Trimethylpentane	0.00	57	0	N.D.	d		
38) Trichloroethene	0.00	130	0	N.D.	d		
39) 1,4-Dioxane	0.00	88	0	N.D.	d		
40) Heptane	12.70	57	121040	8.02	PPBV	#	40
41) cis-1,3-Dichloropropene	0.00	75	0	N.D.			
42) Methyl isobutyl ketone	0.00	43	0	N.D.	d		
43) trans-1,3-Dichloropropene	0.00	75	0	N.D.			
44) 1,1,2-Trichloroethane	0.00	97	0	N.D.			
46) Toluene	15.12	91	9877480	43.73	PPBV		99
47) 2-Hexanone Methyl butyl ke	0.00	43	0	N.D.	d		
48) Dibromochloromethane	0.00	129	0	N.D.			
49) 1,2-Dibromoethane	0.00	107	0	N.D.			
50) Tetrachloroethene	0.00	166	0	N.D.	d		
51) Chlorobenzene	17.02	112	1540674	5.37	PPBV	#	72
52) Ethylbenzene	0.00	91	0	N.D.	d		
53) m-/p-Xylenes	0.00	91	0	N.D.	d		
54) Bromoform	0.00	173	0	N.D.			
55) Styrene	0.00	104	0	N.D.	d		
56) o-Xylene	0.00	91	0	N.D.	d		

(#) = qualifier out of range (m) = manual integration
L070305.D TO1415.M Thu Jul 12 12:34:41 2007 Page 1

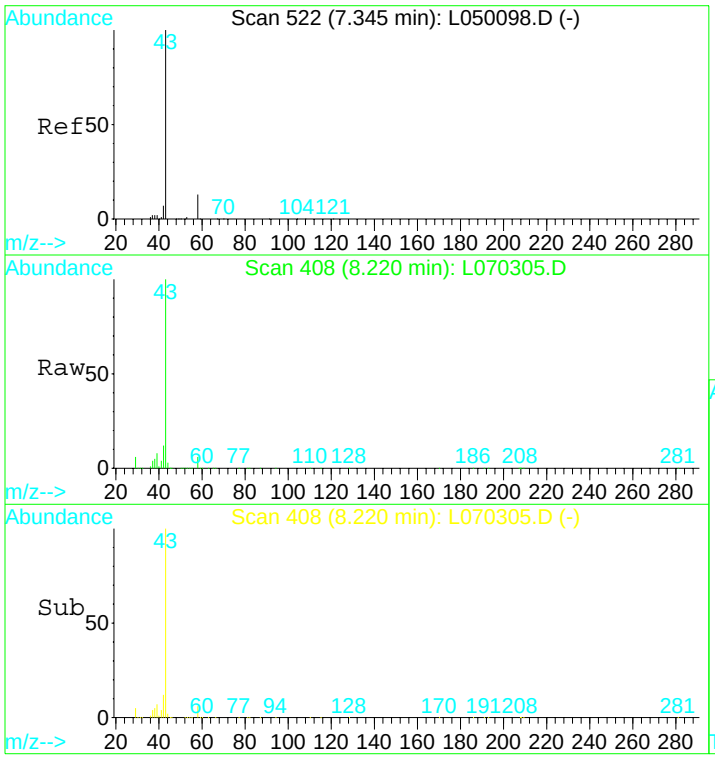
Quantitation Report (QT Reviewed)

Data File : M:\MS2007Q3\LURCH\DATA\JUL07\07-11-07\L070305.D Vial: 13
Acq On : 11 Jul 2007 7:19 pm Operator: lag
Sample : WSP-BG 06/28/07, 250mL Inst : Lurch
Misc : 1020, 0707-03, df=2* Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Jul 12 12:34 2007 Quant Results File: TO1415.RES

Quant Method : M:\MS2007Q1\L...\TO1415.M (RTE Integrator)
Title : TO14
Last Update : Tue Apr 17 17:01:10 2007
Response via : Initial Calibration
DataAcq Meth : MM-624C

	Compound	R.T.	QIon	Response	Conc Unit	Qvalue
57)	1,1,2,2,-Tetrachloroethane	0.00	83	0	N.D. d	
58)	4-Ethyltoluene	0.00	105	0	N.D. d	
59)	1,3,5-Trimethylbenzene	0.00	105	0	N.D. d	
60)	1,2,4-Trimethylbenzene	0.00	105	0	N.D. d	
61)	Benzyl chloride	0.00	91	0	N.D. d	
62)	1,3-Dichlorobenzene	0.00	146	0	N.D.	
63)	1,4-Dichlorobenzene	0.00	146	0	N.D.	
64)	1,2-Dichlorobenzene	0.00	146	0	N.D.	
65)	1,2,4-Trichlorobenzene	0.00	180	0	N.D.	
66)	Hexachlorobutadiene	0.00	225	0	N.D. d	

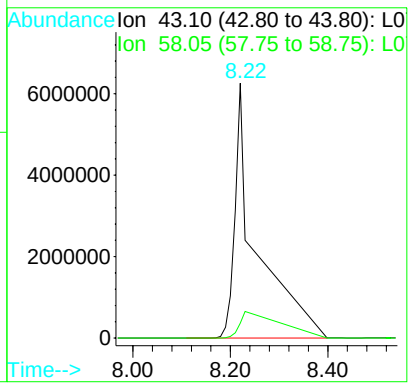
(#) = qualifier out of range (m) = manual integration
L070305.D TO1415.M Thu Jul 12 12:34:42 2007 Page 2

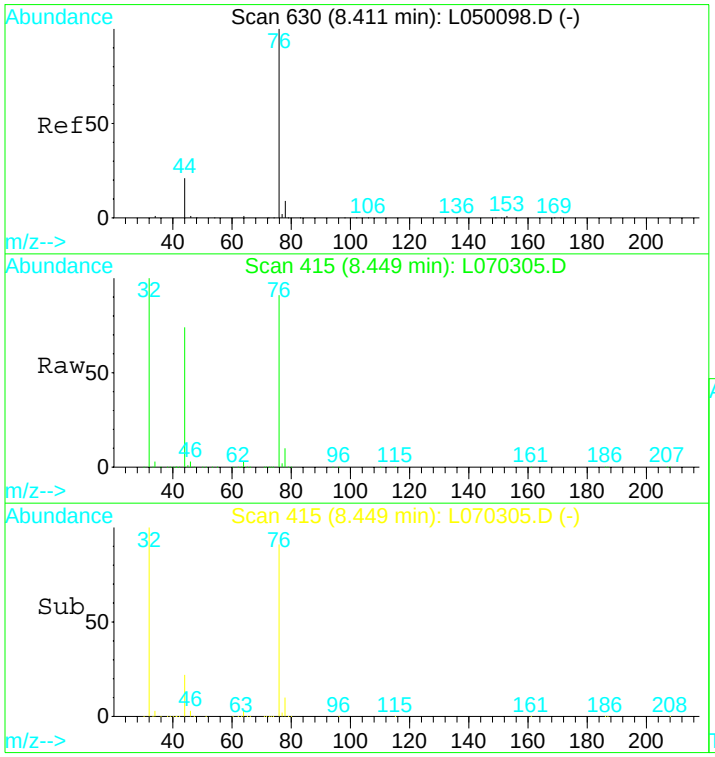


#11
Acetone
Concen: 143.87 PPBV
RT: 8.22 min Scan# 408
Delta R.T. -0.02 min
Lab File: L070305.D
Acq: 11 Jul 2007 7:19 pm

Tgt Ion: 43 Resp:17534377

Ion	Ratio	Lower	Upper
43	100		
58	11.3	6.6	9.8#

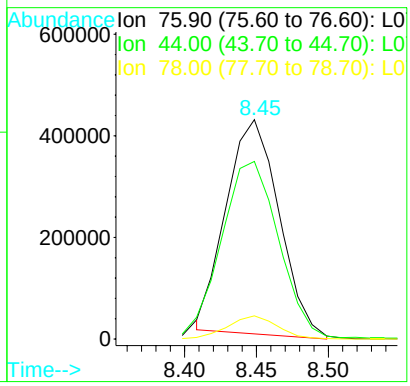


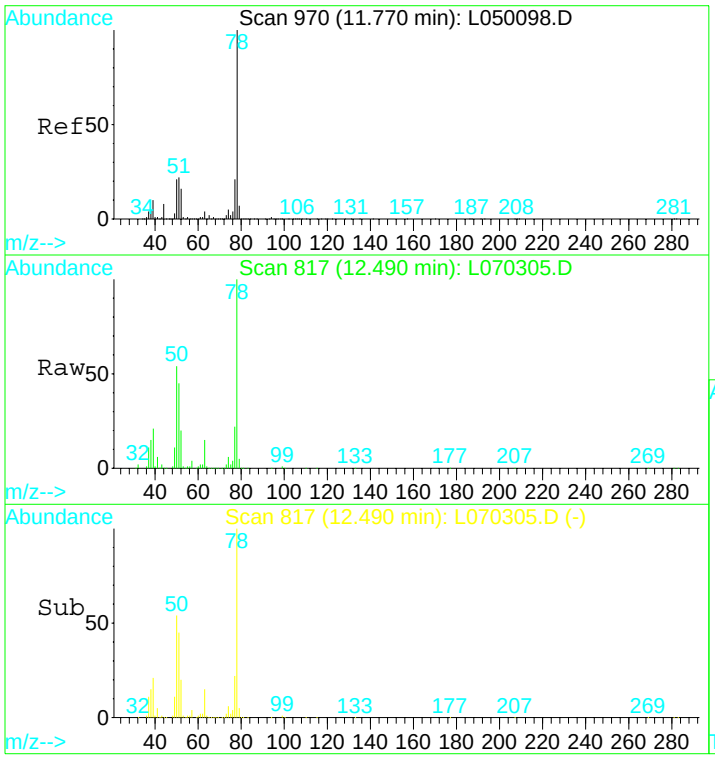


#18
Carbon disulfide
Concen: 9.77 PPBV m
RT: 8.45 min Scan# 415
Delta R.T. 0.01 min
Lab File: L070305.D
Acq: 11 Jul 2007 7:19 pm

Tgt Ion: 76 Resp: 1080703

Ion	Ratio	Lower	Upper
76	100		
44	87.2	21.8	32.8#
78	10.1	8.9	13.3

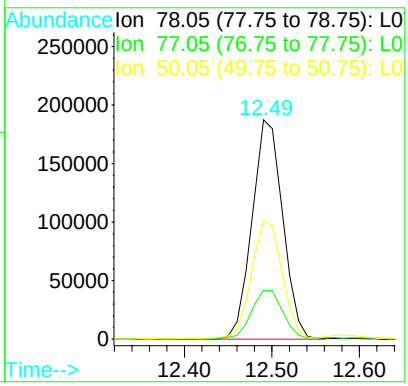


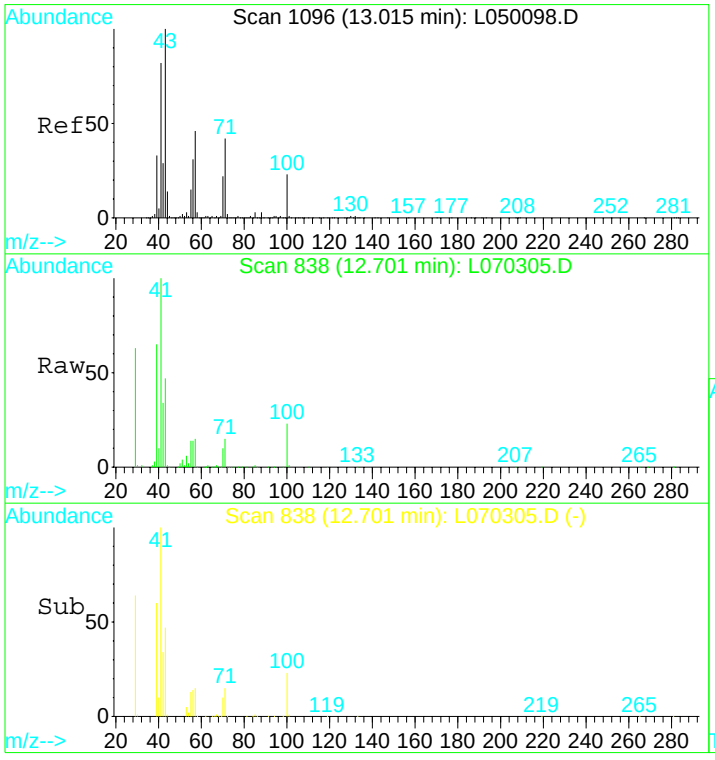


#32
Benzene
Concen: 5.38 PPBV
RT: 12.49 min Scan# 817
Delta R.T. -0.00 min
Lab File: L070305.D
Acq: 11 Jul 2007 7:19 pm

Tgt Ion: 78 Resp: 456594

Ion	Ratio	Lower	Upper
78	100		
77	22.7	21.1	31.7
50	54.6	18.6	27.8#

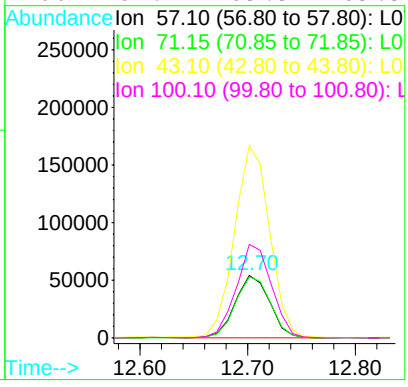


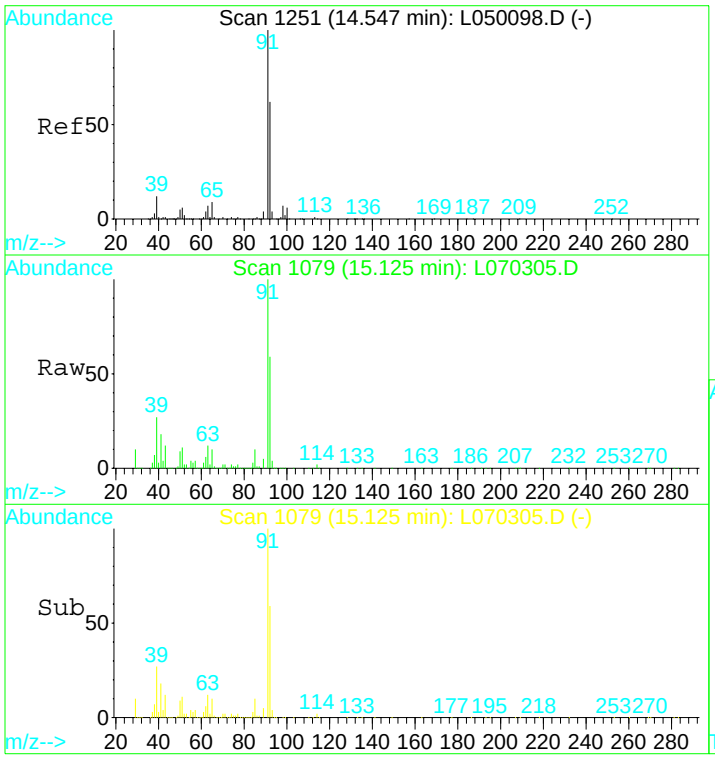


#40
Heptane
Concen: 8.02 PPBV
RT: 12.70 min Scan# 838
Delta R.T. -0.01 min
Lab File: L070305.D
Acq: 11 Jul 2007 7:19 pm

Tgt Ion: 57 Resp: 121040

Ion	Ratio	Lower	Upper
57	100		
71	99.1	73.0	109.4
43	312.6	172.4	258.6#
100	152.7	39.9	59.9#

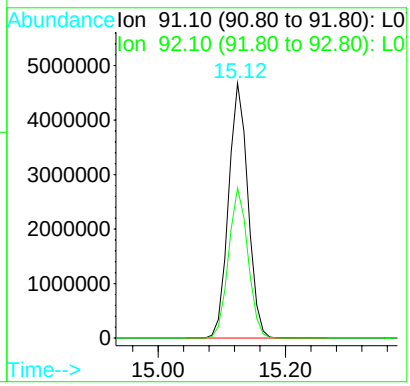


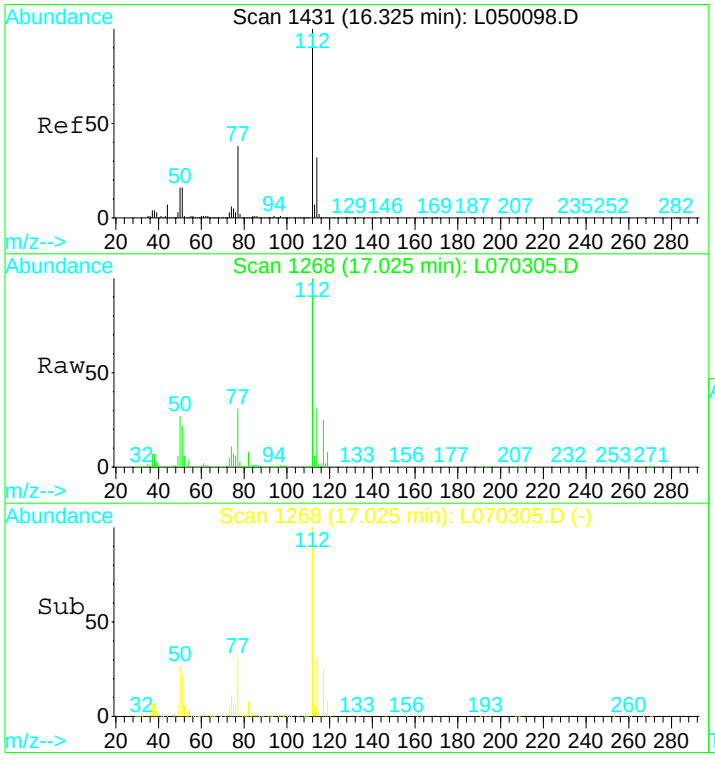


#46
Toluene
Concen: 43.73 PPBV
RT: 15.12 min Scan# 1079
Delta R.T. -0.01 min
Lab File: L070305.D
Acq: 11 Jul 2007 7:19 pm

Tgt Ion: 91 Resp: 9877480

Ion	Ratio	Lower	Upper
91	100		
92	59.0	46.8	70.2

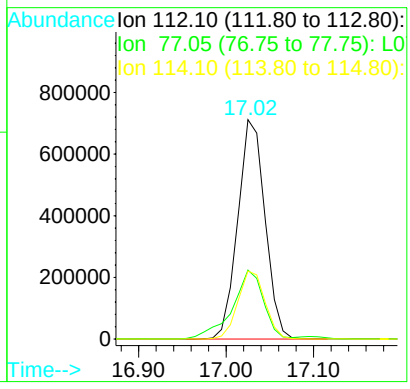




#51
Chlorobenzene
Concen: 5.37 PPBV
RT: 17.02 min Scan# 1268
Delta R.T. -0.01 min
Lab File: L070305.D
Acq: 11 Jul 2007 7:19 pm

Tgt Ion:112 Resp: 1540674

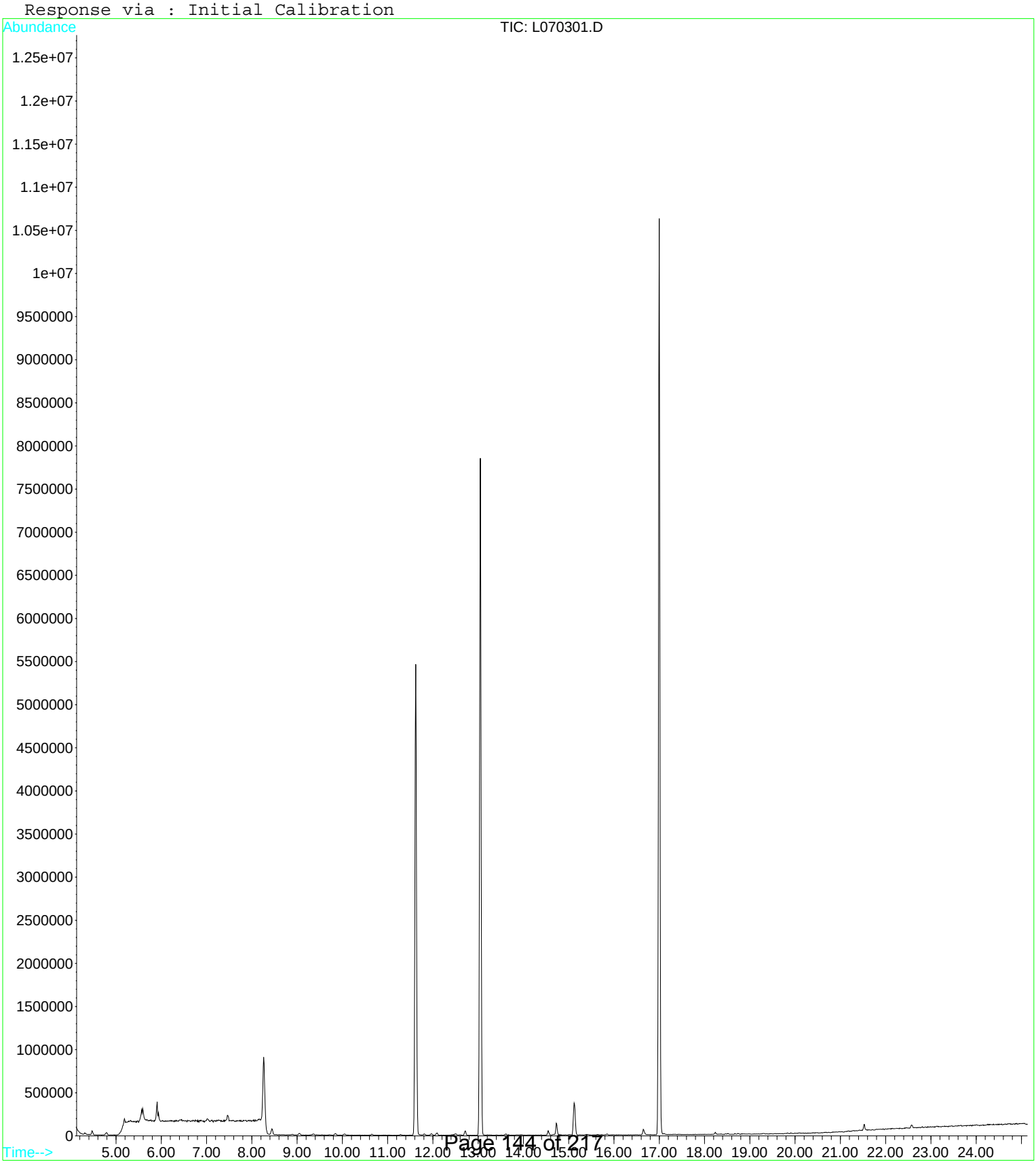
Ion	Ratio	Lower	Upper
112	100		
77	35.8	54.6	82.0#
114	30.8	26.6	40.0



Quantitation Report

Data File : M:\MS2007Q3\LURCH\DATA\JUL07\07-11-07\L070301.D Vial: 11
Acq On : 11 Jul 2007 4:19 pm Operator: lag
Sample : WSP-BG 06/28/07, 20mL Inst : Lurch
Misc : 1020, 0707-03, df=25* Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Jul 12 9:21 2007 Quant Results File: TO1415.RES

Method : M:\MS2007Q1\LURCH\METHODS\TO1415.M (RTE Integrator)
Title : TO14
Last Update : Tue Apr 17 17:01:10 2007
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data File : M:\MS2007Q3\LURCH\DATA\JUL07\07-11-07\L070301.D Vial: 11
Acq On : 11 Jul 2007 4:19 pm Operator: lag
Sample : WSP-BG 06/28/07, 20mL Inst : Lurch
Misc : 1020, 0707-03, df=25* Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Jul 12 9:21 2007 Quant Results File: TO1415.RES

Quant Method : M:\MS2007Q1\L...\TO1415.M (RTE Integrator)
Title : TO14
Last Update : Tue Apr 17 17:01:10 2007
Response via : Initial Calibration
DataAcq Meth : MM-624C

Internal Standards	R.T.	QIon	Response	Conc Units	Dev(Min)
1) Bromochloromethane (IS)	11.62	130	2004087	20.20 PPBV	0.01
31) 1,4-Difluorobenzene (IS)	13.05	114	7966510	20.00 PPBV	0.00
45) Chlorobenzene-d5 (IS)	17.00	117	7282023m	20.40 PPBV	0.00
Target Compounds					Qvalue
2) propylene	0.00	41	0	N.D. d	
3) Freon12(CCl2F2)	0.00	85	0	N.D. d	
4) Chloromethane	0.00	50	0	N.D.	
5) Freon 114 (C2Cl2F4)	0.00	85	0	N.D.	
6) Chloroethene	0.00	62	0	N.D.	
7) 1,3-Butadiene	0.00	39	0	N.D. d	
8) Bromomethane	0.00	94	0	N.D. d	
9) Chloroethane	0.00	64	0	N.D.	
10) Bromoethene	0.00	106	0	N.D.	
11) Acetone	8.26	43	1474380	12.29 PPBV #	92
12) Freon 11 (CCl3F)	0.00	101	0	N.D.	
13) Isopropyl alcohol	0.00	45	0	N.D. d	
14) 1,1-Dichloroethene	0.00	61	0	N.D. d	
15) Methylene chloride	0.00	49	0	N.D. d	
16) Allyl chloride	0.00	76	0	N.D.	
17) Freon 113 (C2Cl3F3)	0.00	151	0	N.D.	
18) Carbon disulfide	0.00	76	0	N.D. d	
19) trans-1,2-Dichloroethene	0.00	61	0	N.D.	
20) 1,1-Dichloroethane	0.00	63	0	N.D.	
21) Methyl tert-butyl ether	0.00	73	0	N.D.	
22) Vinyl acetate	0.00	43	0	N.D.	
23) Methyl ethyl ketone (2-But	0.00	72	0	N.D.	
24) cis-1,2-Dichloroethylene	0.00	61	0	N.D.	
25) Hexane	0.00	57	0	N.D. d	
26) Ethyl acetate	0.00	45	0	N.D.	
27) Chloroform	0.00	83	0	N.D.	
28) Tetrahydrofuran	0.00	72	0	N.D.	
29) 1,2-Dichloroethane	0.00	62	0	N.D. d	
30) 1,1,1-Trichloroethane	0.00	97	0	N.D.	
32) Benzene	0.00	78	0	N.D. d	
33) Carbon tetrachloride	0.00	117	0	N.D.	
34) Cyclohexane	0.00	56	0	N.D. d	
35) 1,2-Dichloropropane	0.00	63	0	N.D.	
36) Bromodichloromethane	0.00	83	0	N.D.	
37) 2,2,4-Trimethylpentane	0.00	57	0	N.D. d	
38) Trichloroethene	0.00	130	0	N.D.	
39) 1,4-Dioxane	0.00	88	0	N.D.	
40) Heptane	0.00	57	0	N.D. d	
41) cis-1,3-Dichloropropene	0.00	75	0	N.D.	
42) Methyl isobutyl ketone	0.00	43	0	N.D.	
43) trans-1,3-Dichloropropene	0.00	75	0	N.D.	
44) 1,1,2-Trichloroethane	0.00	97	0	N.D.	
46) Toluene	15.14	91	227258m	1.08 PPBV Manual Integration (LAG)	
47) 2-Hexanone Methyl butyl ke	0.00	43	0	N.D.	
48) Dibromochloromethane	0.00	129	0	N.D.	
49) 1,2-Dibromoethane	0.00	107	0	N.D.	
50) Tetrachloroethene	0.00	166	0	N.D.	
51) Chlorobenzene	0.00	112	0	N.D.	
52) Ethylbenzene	0.00	91	0	N.D.	
53) m-/p-Xylenes	0.00	91	0	N.D.	
54) Bromoform	0.00	173	0	N.D.	
55) Styrene	0.00	104	0	N.D.	
56) o-Xylene	0.00	91	0	N.D.	

(#) = qualifier out of range (m) = manual integration
L070301.D TO1415.M Thu Jul 12 12:35:05 2007 Page 1

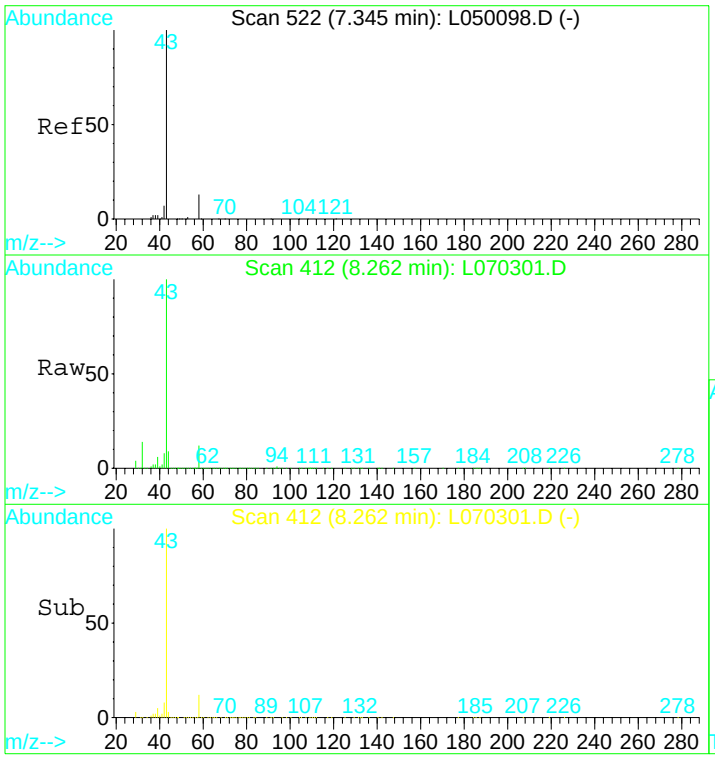
Quantitation Report (QT Reviewed)

Data File : M:\MS2007Q3\LURCH\DATA\JUL07\07-11-07\L070301.D Vial: 11
Acq On : 11 Jul 2007 4:19 pm Operator: lag
Sample : WSP-BG 06/28/07, 20mL Inst : Lurch
Misc : 1020, 0707-03, df=25* Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Jul 12 9:21 2007 Quant Results File: TO1415.RES

Quant Method : M:\MS2007Q1\L...\TO1415.M (RTE Integrator)
Title : TO14
Last Update : Tue Apr 17 17:01:10 2007
Response via : Initial Calibration
DataAcq Meth : MM-624C

	Compound	R.T.	QIon	Response	Conc Unit	Qvalue
57)	1,1,2,2,-Tetrachloroethane	0.00	83	0	N.D.	
58)	4-Ethyltoluene	0.00	105	0	N.D.	
59)	1,3,5-Trimethylbenzene	0.00	105	0	N.D.	
60)	1,2,4-Trimethylbenzene	0.00	105	0	N.D.	
61)	Benzyl chloride	0.00	91	0	N.D.	
62)	1,3-Dichlorobenzene	0.00	146	0	N.D.	
63)	1,4-Dichlorobenzene	0.00	146	0	N.D.	
64)	1,2-Dichlorobenzene	0.00	146	0	N.D.	
65)	1,2,4-Trichlorobenzene	0.00	180	0	N.D.	
66)	Hexachlorobutadiene	0.00	225	0	N.D.	

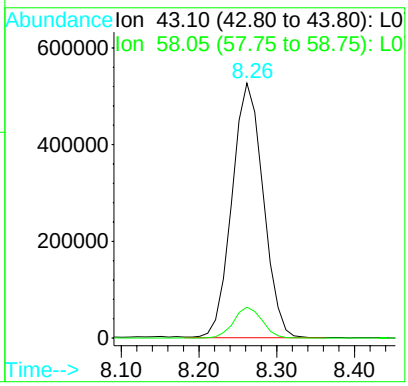
(#) = qualifier out of range (m) = manual integration

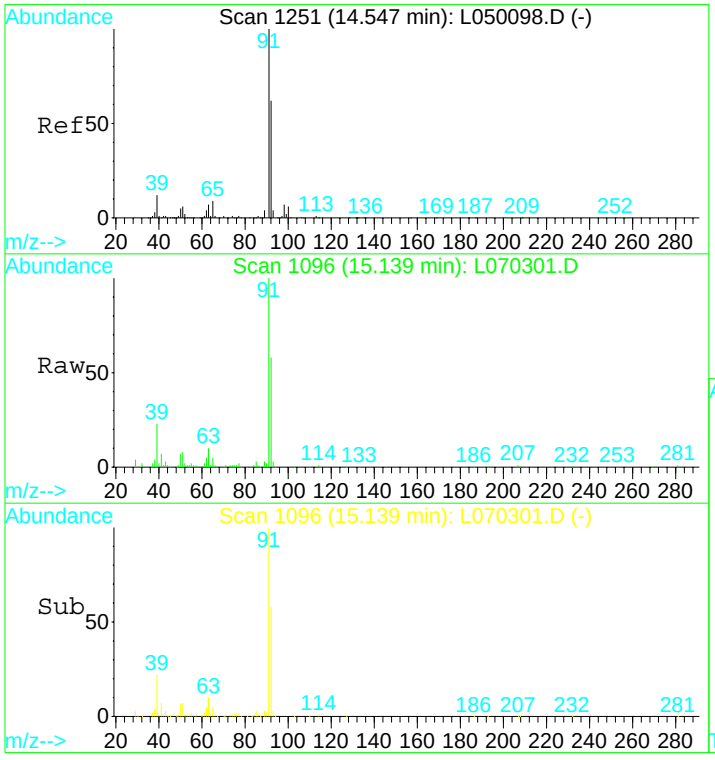


#11
Acetone
Concen: 12.29 PPBV
RT: 8.26 min Scan# 412
Delta R.T. 0.02 min
Lab File: L070301.D
Acq: 11 Jul 2007 4:19 pm

Tgt Ion: 43 Resp: 1474380

Ion	Ratio	Lower	Upper
43	100		
58	11.0	6.6	9.8#

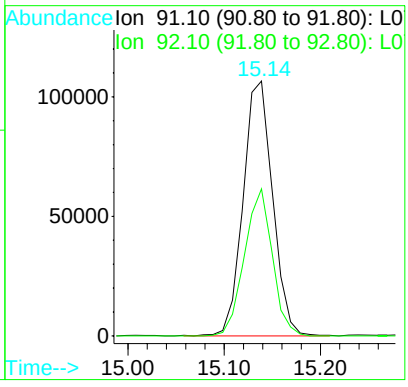




#46
Toluene
Concen: 1.08 PPBV m
RT: 15.14 min Scan# 1096
Delta R.T. 0.00 min
Lab File: L070301.D
Acq: 11 Jul 2007 4:19 pm

Tgt Ion: 91 Resp: 227258

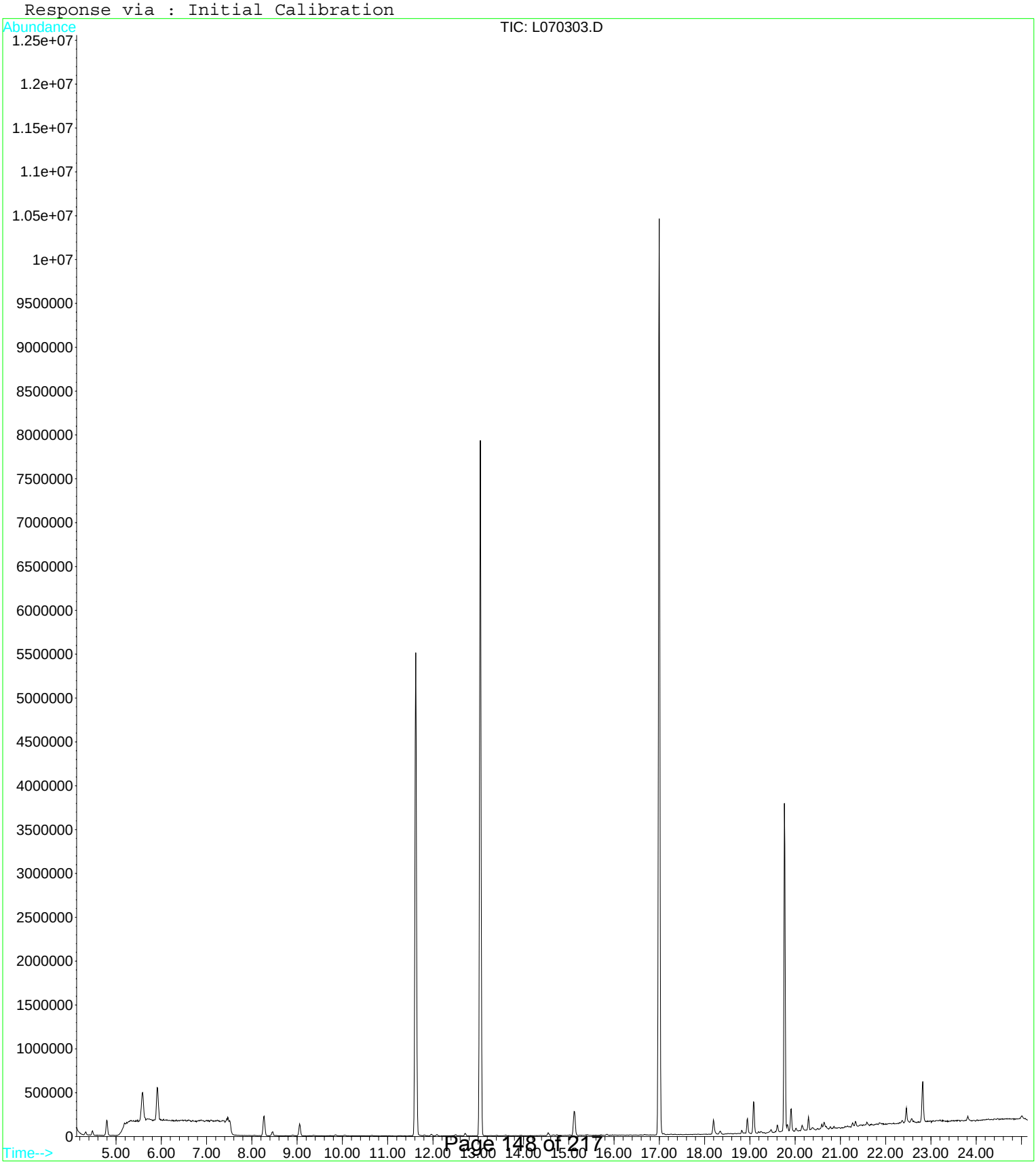
Ion	Ratio	Lower	Upper
91	100		
92	0.0	46.8	70.2#



Quantitation Report

Data File : M:\MS2007Q3\LURCH\DATA\JUL07\07-11-07\L070303.D Vial: 11
Acq On : 11 Jul 2007 5:47 pm Operator: lag
Sample : WSP-BG 06/28/07, 10mL Inst : Lurch
Misc : 1020, 0707-03, df=50* Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Jul 12 9:22 2007 Quant Results File: TO1415.RES

Method : M:\MS2007Q1\LURCH\METHODS\TO1415.M (RTE Integrator)
Title : TO14
Last Update : Tue Apr 17 17:01:10 2007
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data File : M:\MS2007Q3\LURCH\DATA\JUL07\07-11-07\L070303.D Vial: 11
Acq On : 11 Jul 2007 5:47 pm Operator: lag
Sample : WSP-BG 06/28/07, 10mL Inst : Lurch
Misc : 1020, 0707-03, df=50* Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Jul 12 9:22 2007 Quant Results File: TO1415.RES

Quant Method : M:\MS2007Q1\L...\TO1415.M (RTE Integrator)
Title : TO14
Last Update : Tue Apr 17 17:01:10 2007
Response via : Initial Calibration
DataAcq Meth : MM-624C

Internal Standards	R.T.	QIon	Response	Conc Units	Dev(Min)
1) Bromochloromethane (IS)	11.62	130	2023020	20.20 PPBV	0.01
31) 1,4-Difluorobenzene (IS)	13.05	114	8123750	20.00 PPBV	0.00
45) Chlorobenzene-d5 (IS)	17.00	117	7328616	20.40 PPBV	0.00
Target Compounds					Qvalue
2) propylene	0.00	41	0	N.D.	
3) Freon12(CCl2F2)	0.00	85	0	N.D. d	
4) Chloromethane	0.00	50	0	N.D.	
5) Freon 114 (C2Cl2F4)	0.00	85	0	N.D.	
6) Chloroethene	0.00	62	0	N.D. d	
7) 1,3-Butadiene	0.00	39	0	N.D. d	
8) Bromomethane	0.00	94	0	N.D. d	
9) Chloroethane	0.00	64	0	N.D.	
10) Bromoethene	0.00	106	0	N.D.	
11) Acetone	8.26	43	478349	3.95 PPBV #	84
12) Freon 11 (CCl3F)	0.00	101	0	N.D. d	
13) Isopropyl alcohol	0.00	45	0	N.D. d	
14) 1,1-Dichloroethene	0.00	61	0	N.D.	
15) Methylene chloride	0.00	49	0	N.D. d	
16) Allyl chloride	0.00	76	0	N.D.	
17) Freon 113 (C2Cl3F3)	0.00	151	0	N.D.	
18) Carbon disulfide	0.00	76	0	N.D. d	
19) trans-1,2-Dichloroethene	0.00	61	0	N.D.	
20) 1,1-Dichloroethane	0.00	63	0	N.D.	
21) Methyl tert-butyl ether	0.00	73	0	N.D.	
22) Vinyl acetate	0.00	43	0	N.D.	
23) Methyl ethyl ketone (2-But	0.00	72	0	N.D.	
24) cis-1,2-Dichloroethylene	0.00	61	0	N.D.	
25) Hexane	0.00	57	0	N.D. d	
26) Ethyl acetate	0.00	45	0	N.D.	
27) Chloroform	0.00	83	0	N.D.	
28) Tetrahydrofuran	0.00	72	0	N.D.	
29) 1,2-Dichloroethane	0.00	62	0	N.D. d	
30) 1,1,1-Trichloroethane	0.00	97	0	N.D. d	
32) Benzene	0.00	78	0	N.D. d	
33) Carbon tetrachloride	0.00	117	0	N.D.	
34) Cyclohexane	0.00	56	0	N.D. d	
35) 1,2-Dichloropropane	0.00	63	0	N.D.	
36) Bromodichloromethane	0.00	83	0	N.D.	
37) 2,2,4-Trimethylpentane	0.00	57	0	N.D. d	
38) Trichloroethene	0.00	130	0	N.D.	
39) 1,4-Dioxane	0.00	88	0	N.D.	
40) Heptane	0.00	57	0	N.D. d	
41) cis-1,3-Dichloropropene	0.00	75	0	N.D.	
42) Methyl isobutyl ketone	0.00	43	0	N.D.	
43) trans-1,3-Dichloropropene	0.00	75	0	N.D.	
44) 1,1,2-Trichloroethane	0.00	97	0	N.D.	
46) Toluene	0.00	91	0	N.D. d	
47) 2-Hexanone Methyl butyl ke	0.00	43	0	N.D.	
48) Dibromochloromethane	0.00	129	0	N.D.	
49) 1,2-Dibromoethane	0.00	107	0	N.D.	
50) Tetrachloroethene	0.00	166	0	N.D. d	
51) Chlorobenzene	0.00	112	0	N.D. d	
52) Ethylbenzene	0.00	91	0	N.D. d	
53) m-/p-Xylenes	0.00	91	0	N.D. d	
54) Bromoform	0.00	173	0	N.D.	
55) Styrene	0.00	104	0	N.D.	
56) o-Xylene	0.00	91	0	N.D.	

(#) = qualifier out of range (m) = manual integration

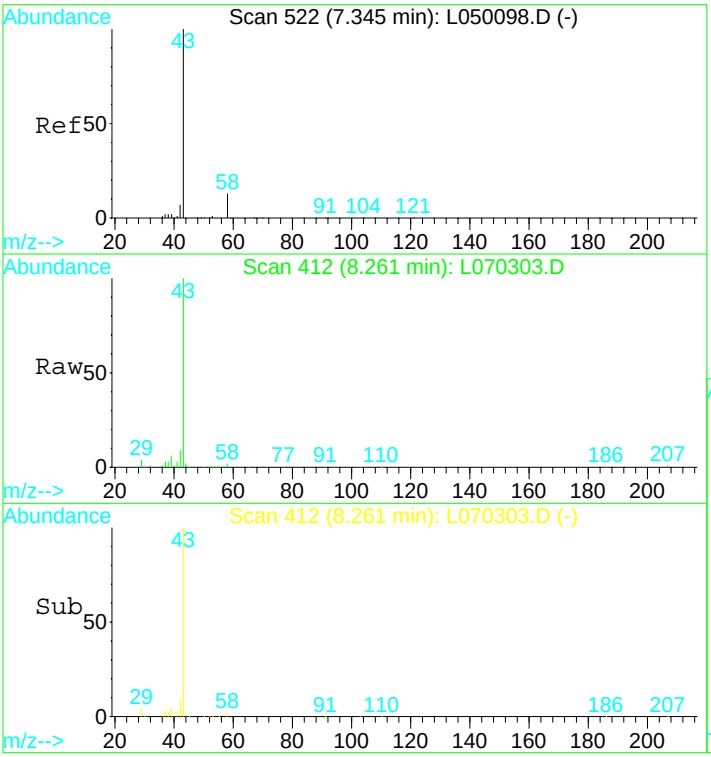
Quantitation Report (QT Reviewed)

Data File : M:\MS2007Q3\LURCH\DATA\JUL07\07-11-07\L070303.D Vial: 11
Acq On : 11 Jul 2007 5:47 pm Operator: lag
Sample : WSP-BG 06/28/07, 10mL Inst : Lurch
Misc : 1020, 0707-03, df=50* Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Jul 12 9:22 2007 Quant Results File: TO1415.RES

Quant Method : M:\MS2007Q1\L...\TO1415.M (RTE Integrator)
Title : TO14
Last Update : Tue Apr 17 17:01:10 2007
Response via : Initial Calibration
DataAcq Meth : MM-624C

	Compound	R.T.	QIon	Response	Conc Unit	Qvalue
57)	1,1,2,2,-Tetrachloroethane	0.00	83	0	N.D. d	
58)	4-Ethyltoluene	0.00	105	0	N.D. d	
59)	1,3,5-Trimethylbenzene	0.00	105	0	N.D. d	
60)	1,2,4-Trimethylbenzene	0.00	105	0	N.D. d	
61)	Benzyl chloride	0.00	91	0	N.D. d	
62)	1,3-Dichlorobenzene	0.00	146	0	N.D.	
63)	1,4-Dichlorobenzene	0.00	146	0	N.D.	
64)	1,2-Dichlorobenzene	0.00	146	0	N.D.	
65)	1,2,4-Trichlorobenzene	0.00	180	0	N.D.	
66)	Hexachlorobutadiene	0.00	225	0	N.D. d	

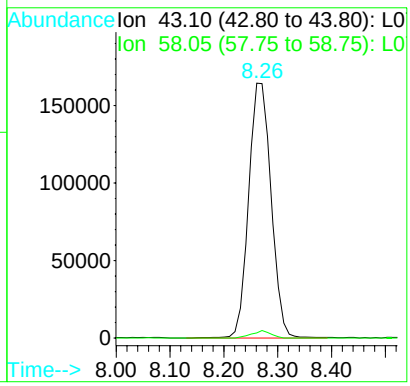
(#) = qualifier out of range (m) = manual integration



#11
Acetone
Concen: 3.95 PPBV
RT: 8.26 min Scan# 412
Delta R.T. 0.02 min
Lab File: L070303.D
Acq: 11 Jul 2007 5:47 pm

Tgt Ion: 43 Resp: 478349

Ion	Ratio	Lower	Upper
43	100		
58	2.5	6.6	9.8#



Curve(s)/QA Point(s) Chromatograms

Sequence Name: M:\ms2007q2\lurch\sequence\L041007A.S
Comment:
Operator: lag
Data Path: m:\ms2007q2\lurch\data\apr07\04-10-07\
Pre-Seq Cmd:
Post-Seq Cmd:

Method Sections To Run
(X) Full Method
( ) Reprocessing Only

On A Barcode Mismatch
(X) Inject Anyway
( ) Don't Inject

Line	Type	Vial	DataFile	Method	Sample Name
1	Calibration	29	L070121	MM-624C	bfb
2	Calibration	30	L070122	MM-624C	1ppbv std
3	Calibration	31	L070123	MM-624C	2ppbv std
4	Calibration	32	L070124	MM-624C	5ppbv std
5	Calibration	33	L070125	MM-624C	8ppbv std
6	Calibration	34	L070126	MM-624C	10ppbv std
7	Calibration	35	L070127	MM-624C	2ppbv std
8	Calibration	36	L070128	MM-624C	2ppbv std
9	Sample	7	BAKEOUT	BAKEOUT	bakeout

Sequence Name: M:\ms2007q3\lurch\sequence\L071107A.S
Comment:
Operator: lag
Data Path: m:\ms2007q3\lurch\data\jul07\07-11-07\
Pre-Seq Cmd:
Post-Seq Cmd:

Method Sections To Run
(X) Full Method
( ) Reprocessing Only

On A Barcode Mismatch
(X) Inject Anyway
( ) Don't Inject

Line	Type	Vial	DataFile	Method	Sample Name
1	Calibration	1	L070291	MM-624C	bfb
2	Calibration	2	L070292	MM-624C	5ppbv std
3	Calibration	3	L070293	MM-624C	5ppbv std
4	Calibration	4	L070294	MM-624C	5ppbv std
5	Blank	5	L070295	MM-624C	system blank, 500mL
6	Blank	6	L070296	MM-624C	system blank, 500mL
7	Sample	7	L070297	MM-624C	WSP-01, 25mL
8	Sample	8	L070298	MM-624C	WSP-01, 500mL
9	Sample	9	L070299	MM-624C	WSP-01, 100mL
10	Sample	10	L070300	MM-624C	WSP-BG 06/28/07, 100mL
11	Sample	11	L070301	MM-624C	WSP-BG 06/28/07, 20mL
12	Sample	12	L070302	MM-624C	WSP-02, 20mL
13	Sample	11	L070303	MM-624C	WSP-BG 06/28/07, 10mL
14	Sample	12	L070304	MM-624C	WSP-BG 06/28/07, 500mL
15	Sample	13	L070305	MM-624C	WSP-BG 06/28/07, 250mL
16	Sample	14	L070306	MM-624C	WSP-02 , 500mL
17	Sample	15	L070307	MM-624C	WSP-02 , 100mL
18	Sample	16	L070308	MM-624C	WSP-02 , 50mL
19	Sample	17	L070309	MM-624C	071007 , 500mL
20	Sample	18	L070310	MM-624C	071007 , 100mL
21	Sample	19	L070311	MM-624C	071007 , 50mL
22	Sample	20	L070312	MM-624C	071007 , 20mL
23	Sample	7	BAKEOUT	BAKEOUT	bakeout

TOPLEVEL PARAMETERS

Method Information For: M:\MS2007Q1\LURCH\METHODS\MM-624C.M

Method Sections To Run:

- ( ) Save Copy of Method With Data
- ( ) Pre-Run Cmd/Macro =
- (X) Data Acquisition
- ( ) Data Analysis
- ( ) Post-Run Cmd/Macro =

Method Comments:
This is the acquisition method for Method TO-14 with Toluene-d8 as the internal standard being used to quantitate analytes.

END OF TOPLEVEL PARAMETERS

INSTRUMENT CONTROL PARAMETERS

Sample Inlet: GC
Injection Source: External Device
Injection Location: Rear
Mass Spectrometer: Enabled

5890 GC METHOD

OVEN
Initial temp: 35 'C (On)
Initial time: 3.00 min
Ramps:

#	Rate	Final temp	Final time
1	5.00	65	0.00
2	10.00	120	2.00
3	70.00	240	7.00
4	0.0(Off)		

Post temp: 0 'C
Post time: 0.00 min
Run time: 25.21 min

Maximum temp: 260 'C
Equilibration time: 0.00 min

CRYO (N2)
Cryo: On
Cryo fault: Off
Cryo timeout: 50.00 min (Off)
Quick cryo cool: On
Ambient temp: 25 'C

FRONT INLET (UNKNOWN)
Mode: Splitless
Initial temp: 250 'C (On)
Pressure: 8.42 psi (On)
Purge flow: 27.5 mL/min
Purge time: 0.00 min
Total flow: 31.9 mL/min
Gas saver: Off
Gas type: Helium

BACK INLET ()

COLUMN 1
Capillary Column
Model Number: Restek
RTX-624, 60m x 0.32mm x 1.8um
Max temperature: 240 'C
Nominal length: 60.0 m
Nominal diameter: 320.00 um
Nominal film thickness: 1.80 um
Mode: constant flow
Initial flow: 1.5 mL/min
Nominal init pressure: 8.43 psi
Average velocity: 31 cm/sec
Inlet: Front Inlet
Outlet: MSD
Outlet pressure: vacuum

COLUMN 2
(not installed)

FRONT DETECTOR (NO DET)

BACK DETECTOR (NO DET)

SIGNAL 1
Data rate: 20 Hz
Type: test plot
Save Data: Off
Zero: 0.0 (Off)
Range: 0
Fast Peaks: Off
Attenuation: 0

SIGNAL 2
Data rate: 20 Hz
Type: test plot
Save Data: Off
Zero: 0.0 (Off)
Range: 0
Fast Peaks: Off
Attenuation: 0

COLUMN COMP 1
(No Detectors Installed)

COLUMN COMP 2
(No Detectors Installed)

THERMAL AUX 2
Use: MSD Transfer Line Heater
Description:
Initial temp: 280 'C (On)
Initial time: 0.00 min

#	Rate	Final temp	Final time
1	0.0(Off)		

VALVES
Valve 7 Multiposition 1
Description:

POST RUN
Post Time: 0.00 min

BCD input: inverted
Switch Time: 1.0 sec

TIME TABLE

Time	Specifier	Parameter & Setpoint

7673 Injector

Front Injector:

Sample Washes	2
Sample Pumps	4
Injection Volume	1.0 microliters
Syringe Size	10.0 microliters
Nanoliter Adapter	Off
PostInj Solvent A Washes	4
PostInj Solvent B Washes	0
Viscosity Delay	0 seconds
Plunger Speed	Fast

Back Injector:

No parameters specified

MS ACQUISITION PARAMETERS

General Information

Tune File	: bfb.u
Acquistion Mode	: Scan

MS Information

Solvent Delay	: 4.07 min		
[Scan Parameters]			
Low Mass	: 29.0		
High Mass	: 300.0		
Threshold	: 200		
Sample #	: 3	A/D Samples	8
Plot 2 low mass	: 50.0		
Plot 2 high mass	: 550.0		
[MSZones]			
MS Quad	: 150 C	maximum 200 C	
MS Source	: 230 C	maximum 250 C	

END OF MS ACQUISITION PARAMETERS

END OF INSTRUMENT CONTROL PARAMETERS

DATA ANALYSIS PARAMETERS

Method Name: M:\MS2007Q1\LURCH\METHODS\MM-624C.M

Percent Report Settings

Sort By: Signal

Output Destination
    Screen: No
    Printer: Yes
    File: No

Integration Events: Meth Default

Generate Report During Run Method: No

Signal Correlation Window: 0.020

Quantitative Report Settings

Report Type: Summary

Output Destination
    Screen: Yes
    Printer: No
    File: DETAIL.XLS

Generate Report During Run Method: No

TO14

Method : M:\MS2007Q1\LURCH\METHODS\TO1415.M (RTE Integrator)
Title : TO14
Last Update : Tue Apr 17 17:01:10 2007
Response via : Initial Calibration

Calibration Files
1 =L070122.D 2 =L070128.D 5 =L070124.D
8 =L070125.D 10 =L070126.D

	Compound	1	2	5	8	10	Avg	%RSD
1)	Bromochloromethane (I	ISTD						
2)	propylene	0.126	0.091	0.094	0.109	0.112	0.106	13.34
3)	Freon12(CCl2F2)	4.738	5.331	4.602	4.993	5.118	4.956	5.90
4)	Chloromethane	0.191	0.157	0.161	0.183	0.195	0.177	9.90
5)	Freon 114 (C2Cl2F4)	3.420	3.535	3.035	3.382	3.529	3.380	6.04
6)	Chloroethene	0.764	0.764	0.712	0.826	0.832	0.780	6.40
7)	1,3-Butadiene	1.045	1.097	0.910	1.033	1.103	1.038	7.48
8)	Bromomethane	2.036	1.924	1.741	1.869	1.949	1.904	5.74
9)	Chloroethane	0.368	0.284	0.302	0.364	0.394	0.342	13.76
10)	Bromoethene	1.926	1.854	1.686	1.874	1.924	1.853	5.31
11)	Acetone	1.708	1.334	0.873	1.040	1.091	1.210	26.80
12)	Freon 11 (CCl3F)	6.134	6.457	5.407	5.930	6.151	6.016	6.46
13)	Isopropyl alcohol	0.798	0.793	0.530	0.594	0.628	0.668	18.13
14)	1,1-Dichloroethene	1.290	1.125	1.161	1.251	1.320	1.229	6.80
15)	Methylene chloride	0.903	0.593	0.643	0.705	0.723	0.713	16.51
16)	Allyl chloride	0.103	0.067	0.084	0.094	0.098	0.089	15.86
17)	Freon 113 (C2Cl3F3)	1.506	1.480	1.523	1.670	1.725	1.581	6.92
18)	Carbon disulfide	1.461	1.276	0.891	0.906	0.956	1.098	23.37
19)	trans-1,2-Dichloroeth	0.694	0.597	0.698	0.764	0.792	0.709	10.63
20)	1,1-Dichloroethane	0.850	0.611	0.771	0.836	0.847	0.783	12.98
21)	Methyl tert-butyl eth	1.304	0.901	1.135	1.384	1.405	1.226	17.15
22)	Vinyl acetate	1.057	0.717	1.068	1.287	1.333	1.092	22.34
23)	Methyl ethyl ketone (	0.076	0.048	0.063	0.076	0.082	0.069	19.63
24)	cis-1,2-Dichloroethyl	0.904	0.721	0.830	0.918	0.955	0.866	10.68
25)	Hexane	0.266	0.157	0.230	0.262	0.266	0.236	19.73
26)	Ethyl acetate	0.083	0.063	0.059	0.085	0.088	0.076	18.12
27)	Chloroform	2.716	2.024	2.452	2.689	2.727	2.522	11.90
28)	Tetrahydrofuran	0.083	0.047	0.066	0.083	0.090	0.074	23.36
29)	1,2-Dichloroethane	1.966	1.701	1.917	2.087	2.185	1.971	9.33
30)	1,1,1-Trichloroethane	4.046	3.852	3.801	4.188	4.284	4.034	5.17
31)	1,4-Difluorobenzene (	ISTD						
32)	Benzene	0.217	0.125	0.195	0.221	0.228	0.197	21.33
33)	Carbon tetrachloride	0.758	0.662	0.744	0.842	0.864	0.774	10.48
34)	Cyclohexane	0.068	0.036	0.061	0.070	0.073	0.062	24.37
35)	1,2-Dichloropropane	0.055	0.028	0.050	0.058	0.061	0.050	26.47
36)	Bromodichloromethane	0.678	0.532	0.658	0.740	0.755	0.673	13.13
37)	2,2,4-Trimethylpentan	0.274	0.164	0.238	0.262	0.267	0.241	18.79
38)	Trichloroethene	0.253	0.203	0.234	0.256	0.268	0.243	10.44
39)	1,4-Dioxane	0.067	0.039	0.055	0.067	0.072	0.060	22.52
40)	Heptane	0.038	0.023	0.034	0.039	0.041	0.035	20.71
41)	cis-1,3-Dichloroprope	0.214	0.137	0.204	0.229	0.240	0.205	19.80
42)	Methyl isobutyl keton	0.243	0.148	0.176	0.220	0.235	0.204	19.89
43)	trans-1,3-Dichloropro	0.279	0.195	0.269	0.307	0.325	0.275	18.19
44)	1,1,2-Trichloroethane	0.259	0.178	0.253	0.299	0.308	0.259	19.85
45)	Chlorobenzene-d5 (IS)	ISTD						
46)	Toluene	0.639	0.406	0.574	0.660	0.670	0.590	18.50
47)	2-Hexanone Methyl but	0.271	0.182	0.221	0.265	0.270	0.242	16.28
48)	Dibromochloromethane	0.593	0.515	0.614	0.707	0.716	0.629	13.37
49)	1,2-Dibromoethane	0.698	0.534	0.690	0.802	0.814	0.707	15.91
50)	Tetrachloroethene	0.545	0.440	0.512	0.577	0.573	0.530	10.63
51)	Chlorobenzene	0.738	0.571	0.729	0.850	0.858	0.749	15.52
52)	Ethylbenzene	0.984	0.656	0.868	1.069	1.083	0.932	18.94
53)	m-/p-Xylenes	0.822	0.547	0.711	0.894	0.927	0.780	19.80
54)	Bromoform	0.837	0.733	0.913	1.075	1.086	0.929	16.42
55)	Styrene	0.661	0.459	0.626	0.765	0.797	0.662	20.21
56)	o-Xylene	0.843	0.534	0.736	0.910	0.952	0.795	21.05
57)	1,1,2,2,-Tetrachloroe	0.421	0.253	0.363	0.462	0.480	0.396	23.06

(#) = Out of Range

Method : M:\MS2007Q1\LURCH\METHODS\TO1415.M (RTE Integrator)
Title : TO14
Last Update : Tue Apr 17 17:01:10 2007
Response via : Initial Calibration

Calibration Files
1 =L070122.D 2 =L070128.D 5 =L070124.D
8 =L070125.D 10 =L070126.D

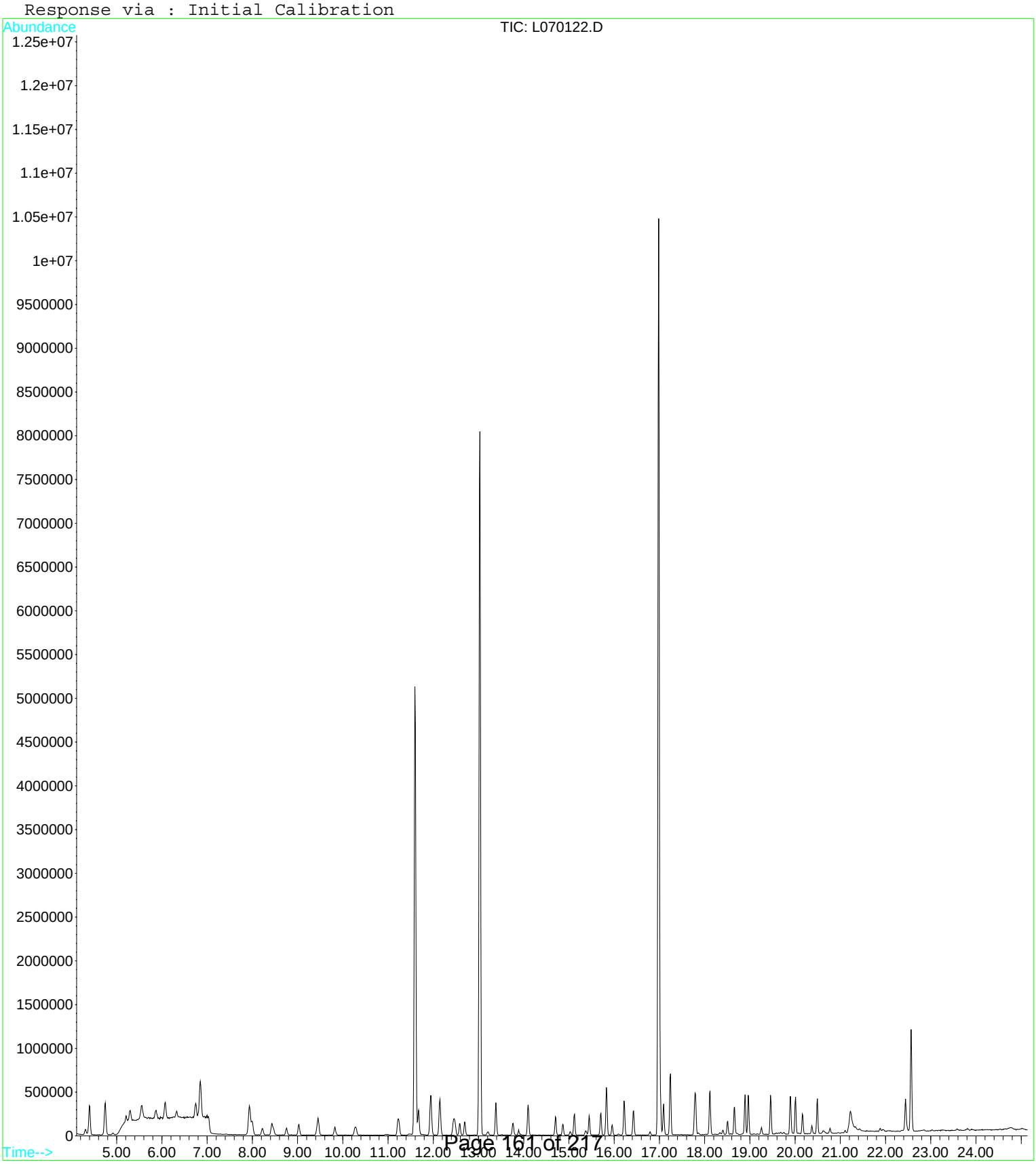
	Compound	1	2	5	8	10	Avg	%RSD
58)	4-Ethyltoluene	1.282	0.862	1.107	1.409	1.444	1.221	19.68
59)	1,3,5-Trimethylbenzen	1.088	0.770	0.953	1.217	1.245	1.055	18.68
60)	1,2,4-Trimethylbenzen	1.082	0.746	0.948	1.225	1.246	1.049	19.82
61)	Benzyl chloride	0.668	0.614	0.814	1.064	1.114	0.855	26.52
62)	1,3-Dichlorobenzene	0.592	0.452	0.581	0.726	0.731	0.616	18.87
63)	1,4-Dichlorobenzene	0.570	0.452	0.579	0.721	0.729	0.610	19.07
64)	1,2-Dichlorobenzene	0.524	0.404	0.529	0.656	0.676	0.558	19.87
65)	1,2,4-Trichlorobenzen	0.442	0.378	0.491	0.670	0.696	0.535	26.32
66)	Hexachlorobutadiene	0.816	0.645	0.817	1.059	1.096	0.887	21.22

(#) = Out of Range

Quantitation Report

Data File : M:\MS2007Q2\LURCH\DATA\APR07\04-10-07\L070122.D Vial: 30
Acq On : 10 Apr 2007 10:02 am Operator: lag
Sample : 1ppbv std Inst : Lurch
Misc : Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Apr 10 11:02 2007 Quant Results File: TO1415.RES

Method : M:\MS2007Q1\LURCH\METHODS\TO1415.M (RTE Integrator)
Title : TO14
Last Update : Tue Apr 17 17:01:10 2007
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data File : M:\MS2007Q2\LURCH\DATA\APR07\04-10-07\L070122.D Vial: 30
Acq On : 10 Apr 2007 10:02 am Operator: lag
Sample : 1ppbv std Inst : Lurch
Misc : Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Apr 10 11:02 2007 Quant Results File: TO1415.RES

Quant Method : M:\MS2007Q1\L...\TO1415.M (RTE Integrator)
Title : TO14
Last Update : Fri Mar 16 17:03:05 2007
Response via : Initial Calibration
DataAcq Meth : MM-624C

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
1) Bromochloromethane (IS)	11.59	130	1846235	20.20	PPBV		0.01
31) 1,4-Difluorobenzene (IS)	13.03	114	8092953	20.00	PPBV		0.01
45) Chlorobenzene-d5 (IS)	16.98	117	7135230	20.40	PPBV		0.01
Target Compounds							Qvalue
2) propylene	4.31	41	11511	1.03	PPBV	#	84
3) Freon12(CCl2F2)	4.40	85	433015	0.96	PPBV		96
4) Chloromethane	4.93	50	17489	0.97	PPBV	#	86
5) Freon 114 (C2Cl2F4)	4.75	85	312550	1.01	PPBV		89
6) Chloroethene	5.21	62	69818	0.92	PPBV		94
7) 1,3-Butadiene	5.30	39	95496	1.07	PPBV	#	67
8) Bromomethane	6.07	94	186076	1.14	PPBV		91
9) Chloroethane	6.32	64	33652	1.15	PPBV	#	83
10) Bromoethene	6.75	106	176026	1.06	PPBV		93
11) Acetone	8.22	43	156148	1.76	PPBV	#	88
12) Freon 11 (CCl3F)	6.85	101	560631	1.09	PPBV		94
13) Isopropyl alcohol	8.48	45	72946	1.34	PPBV	#	83
14) 1,1-Dichloroethene	8.00	61	117887	1.02	PPBV	#	69
15) Methylene chloride	9.03	49	82523	1.35	PPBV	#	55
16) Allyl chloride	8.76	76	9428	1.10	PPBV	#	1
17) Freon 113 (C2Cl3F3)	7.93	151	137668	0.98	PPBV	#	77
18) Carbon disulfide	8.43	76	133573	1.52	PPBV	#	55
19) trans-1,2-Dichloroethene	9.45	61	63389	0.92	PPBV		96
20) 1,1-Dichloroethane	10.27	63	77715	1.08	PPBV		90
21) Methyl tert-butyl ether	9.43	73	119196	1.03	PPBV	#	81
22) Vinyl acetate	10.30	43	96610	0.89	PPBV	#	94
23) Methyl ethyl ketone (2-But	11.24	72	6958	0.99	PPBV	#	1
24) cis-1,2-Dichloroethylene	11.22	61	82629	1.01	PPBV	#	23
25) Hexane	9.82	57	24297	1.04	PPBV	#	21
26) Ethyl acetate	11.25	45	7622	1.06	PPBV	#	1
27) Chloroform	11.67	83	248209	1.06	PPBV		99
28) Tetrahydrofuran	11.62	72	7598	1.04	PPBV	#	83
29) 1,2-Dichloroethane	12.59	62	179645	1.01	PPBV	#	84
30) 1,1,1-Trichloroethane	11.95	97	369755	1.04	PPBV	#	80
32) Benzene	12.48	78	87743	0.93	PPBV	#	82
33) Carbon tetrachloride	12.15	117	306861	0.92	PPBV		96
34) Cyclohexane	11.94	56	27405	0.91	PPBV	#	6
35) 1,2-Dichloropropane	13.77	63	22205	0.94	PPBV		83
36) Bromodichloromethane	14.10	83	274504	0.94	PPBV	#	95
37) 2,2,4-Trimethylpentane	12.45	57	110992	0.97	PPBV	#	40
38) Trichloroethene	13.38	130	102451	0.91	PPBV	#	74
39) 1,4-Dioxane	13.89	88	26974	0.92	PPBV	#	1
40) Heptane	12.70	57	15472	0.92	PPBV	#	48
41) cis-1,3-Dichloropropene	14.70	75	86667	0.91	PPBV	#	88
42) Methyl isobutyl ketone	14.86	43	98295	1.06	PPBV	#	80
43) trans-1,3-Dichloropropene	15.45	75	112934	0.89	PPBV	#	94
44) 1,1,2-Trichloroethane	15.71	97	104975	0.89	PPBV	#	70
46) Toluene	15.12	91	223586	0.96	PPBV		97
47) 2-Hexanone Methyl butyl ke	15.96	43	94730	1.02	PPBV	#	77
48) Dibromochloromethane	16.22	129	207253	0.92	PPBV		99
49) 1,2-Dibromoethane	16.42	107	244007	0.92	PPBV		99
50) Tetrachloroethene	15.83	166	190672	0.95	PPBV	#	85
51) Chlorobenzene	17.02	112	258059	0.95	PPBV	#	64
52) Ethylbenzene	17.09	91	344207	0.98	PPBV		95
53) m-/p-Xylenes	17.25	91	574888	1.92	PPBV		88
54) Bromoform	18.12	173	292587	1.05	PPBV		96
55) Styrene	17.81	104	231132	0.91	PPBV	#	82
56) o-Xylene	17.78	91	284975	0.97	PPBV		92

(#) = qualifier out of range (m) = manual integration

Quantitation Report (QT Reviewed)

Data File : M:\MS2007Q2\LURCH\DATA\APR07\04-10-07\L070122.D Vial: 30
Acq On : 10 Apr 2007 10:02 am Operator: lag
Sample : 1ppbv std Inst : Lurch
Misc : Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Apr 10 11:02 2007 Quant Results File: TO1415.RES

Quant Method : M:\MS2007Q1\L...\TO1415.M (RTE Integrator)
Title : TO14
Last Update : Fri Mar 16 17:03:05 2007
Response via : Initial Calibration
DataAcq Meth : MM-624C

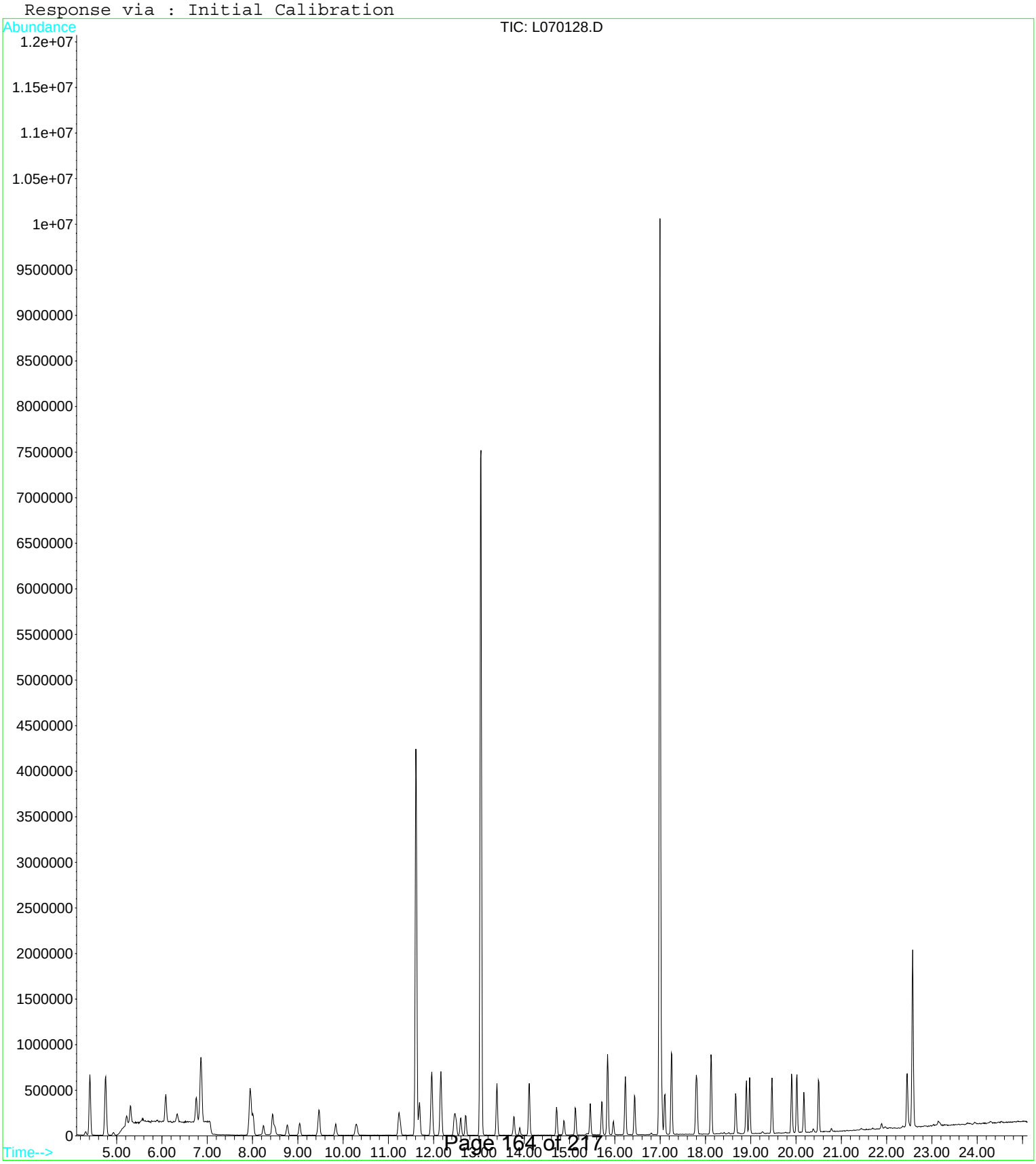
	Compound	R.T.	QIon	Response	Conc	Unit		Qvalue
57)	1,1,2,2,-Tetrachloroethane	18.65	83	147115	0.99	PPBV		96
58)	4-Ethyltoluene	18.89	105	448279	0.97	PPBV		90
59)	1,3,5-Trimethylbenzene	18.96	105	380629	0.98	PPBV	#	83
60)	1,2,4-Trimethylbenzene	19.46	105	378416	0.96	PPBV	#	85
61)	Benzyl chloride	20.16	91	233589	0.66	PPBV	#	84
62)	1,3-Dichlorobenzene	19.90	146	206922	0.93	PPBV	#	92
63)	1,4-Dichlorobenzene	20.01	146	199228	0.89	PPBV	#	91
64)	1,2-Dichlorobenzene	20.49	146	183125	0.88	PPBV	#	90
65)	1,2,4-Trichlorobenzene	22.44	180	154706	0.92	PPBV		96
66)	Hexachlorobutadiene	22.56	225	285263	1.00	PPBV		96

(#) = qualifier out of range (m) = manual integration
L070122.D TO1415.M Tue Apr 24 11:20:14 2007

Quantitation Report

Data File : M:\MS2007Q2\LURCH\DATA\APR07\04-10-07\L070128.D Vial: 36
Acq On : 10 Apr 2007 5:04 pm Operator: lag
Sample : 2ppbv std Inst : Lurch
Misc : Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Apr 10 17:49 2007 Quant Results File: TO1415.RES

Method : M:\MS2007Q1\LURCH\METHODS\TO1415.M (RTE Integrator)
Title : TO14
Last Update : Tue Apr 17 17:01:10 2007
Response via : Initial Calibration



Quantitation Report (Not Reviewed)

Data File : M:\MS2007Q2\LURCH\DATA\APR07\04-10-07\L070128.D Vial: 36
Acq On : 10 Apr 2007 5:04 pm Operator: lag
Sample : 2ppbv std Inst : Lurch
Misc : Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Apr 10 17:49 2007 Quant Results File: TO1415.RES

Quant Method : M:\MS2007Q1\L...\TO1415.M (RTE Integrator)
Title : TO14
Last Update : Tue Apr 10 17:16:18 2007
Response via : Initial Calibration
DataAcq Meth : MM-624C

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
1) Bromochloromethane (IS)	11.61	130	1496430	20.20	PPBV		0.00
31) 1,4-Difluorobenzene (IS)	13.04	114	7826256	20.00	PPBV		0.00
45) Chlorobenzene-d5 (IS)	16.99	117	6820322	20.40	PPBV		0.00
Target Compounds							Qvalue
2) propylene	4.33	41	13454	1.71	PPBV	#	85
3) Freon12(CCl2F2)	4.41	85	789866	2.15	PPBV		99
4) Chloromethane	4.93	50	23206	1.77	PPBV		93
5) Freon 114 (C2Cl2F4)	4.75	85	523734	2.09	PPBV		94
6) Chloroethene	5.22	62	113248	1.96	PPBV		90
7) 1,3-Butadiene	5.31	39	162508	2.11	PPBV	#	58
8) Bromomethane	6.09	94	285136	2.02	PPBV		99
9) Chloroethane	6.34	64	42051	1.66	PPBV		93
10) Bromoethene	6.76	106	274665	2.00	PPBV	#	96
11) Acetone	8.24	43	197718	2.21	PPBV	#	84
12) Freon 11 (CCl3F)	6.86	101	956680	2.15	PPBV		96
13) Isopropyl alcohol	8.49	45	117460	2.37	PPBV	#	92
14) 1,1-Dichloroethene	8.01	61	166615	1.83	PPBV	#	68
15) Methylene chloride	9.03	49	87894	1.66	PPBV	#	68
16) Allyl chloride	8.76	76	9970	1.51	PPBV	#	1
17) Freon 113 (C2Cl3F3)	7.95	151	219248	1.87	PPBV		86
18) Carbon disulfide	8.44	76	189027	2.32	PPBV	#	25
19) trans-1,2-Dichloroethene	9.47	61	88516	1.69	PPBV		95
20) 1,1-Dichloroethane	10.28	63	90492	1.56	PPBV	#	86
21) Methyl tert-butyl ether	9.46	73	133537	1.47	PPBV	#	83
22) Vinyl acetate	10.31	43	106282	1.31	PPBV	#	94
23) Methyl ethyl ketone (2-But	11.25	72	7108	1.39	PPBV	#	1
24) cis-1,2-Dichloroethylene	11.22	61	106888	1.67	PPBV	#	6
25) Hexane	9.83	57	23325	1.33	PPBV	#	4
26) Ethyl acetate	11.27	45	9369	1.67	PPBV	#	1
27) Chloroform	11.69	83	299928	1.61	PPBV		99
28) Tetrahydrofuran	11.64	72	7005	1.28	PPBV	#	91
29) 1,2-Dichloroethane	12.60	62	252009	1.71	PPBV	#	87
30) 1,1,1-Trichloroethane	11.96	97	570667	1.88	PPBV	#	83
32) Benzene	12.49	78	98027	1.21	PPBV	#	69
33) Carbon tetrachloride	12.16	117	518153	1.63	PPBV		95
34) Cyclohexane	11.96	56	28093	1.10	PPBV	#	1
35) 1,2-Dichloropropane	13.77	63	21578	1.04	PPBV		96
36) Bromodichloromethane	14.11	83	416712	1.51	PPBV	#	97
37) 2,2,4-Trimethylpentane	12.46	57	128156	1.29	PPBV	#	12
38) Trichloroethene	13.40	130	158727	1.60	PPBV	#	75
39) 1,4-Dioxane	13.90	88	30268	1.25	PPBV	#	1
40) Heptane	12.71	57	17985	1.26	PPBV	#	42
41) cis-1,3-Dichloropropene	14.71	75	106839	1.28	PPBV		92
42) Methyl isobutyl ketone	14.87	43	115994	1.40	PPBV	#	78
43) trans-1,3-Dichloropropene	15.46	75	152582	1.37	PPBV	#	89
44) 1,1,2-Trichloroethane	15.72	97	139146	1.31	PPBV	#	73
46) Toluene	15.13	91	271761	1.33	PPBV		97
47) 2-Hexanone Methyl butyl ke	15.97	43	121751	1.47	PPBV	#	74
48) Dibromochloromethane	16.23	129	344312	1.58	PPBV		99
49) 1,2-Dibromoethane	16.43	107	357215	1.45	PPBV		99
50) Tetrachloroethene	15.84	166	294451	1.60	PPBV	#	85
51) Chlorobenzene	17.04	112	382092	1.47	PPBV	#	80
52) Ethylbenzene	17.11	91	438413	1.37	PPBV		93
53) m-/p-Xylenes	17.25	91	731348	2.73	PPBV		87
54) Bromoform	18.12	173	490093	1.52	PPBV	#	96
55) Styrene	17.81	104	306599	1.34	PPBV	#	83
56) o-Xylene	17.79	91	356867	1.30	PPBV	#	86

(#) = qualifier out of range (m) = manual integration

Quantitation Report (Not Reviewed)

Data File : M:\MS2007Q2\LURCH\DATA\APR07\04-10-07\L070128.D Vial: 36
Acq On : 10 Apr 2007 5:04 pm Operator: lag
Sample : 2ppbv std Inst : Lurch
Misc : Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Apr 10 17:49 2007 Quant Results File: TO1415.RES

Quant Method : M:\MS2007Q1\L...\TO1415.M (RTE Integrator)
Title : TO14
Last Update : Tue Apr 10 17:16:18 2007
Response via : Initial Calibration
DataAcq Meth : MM-624C

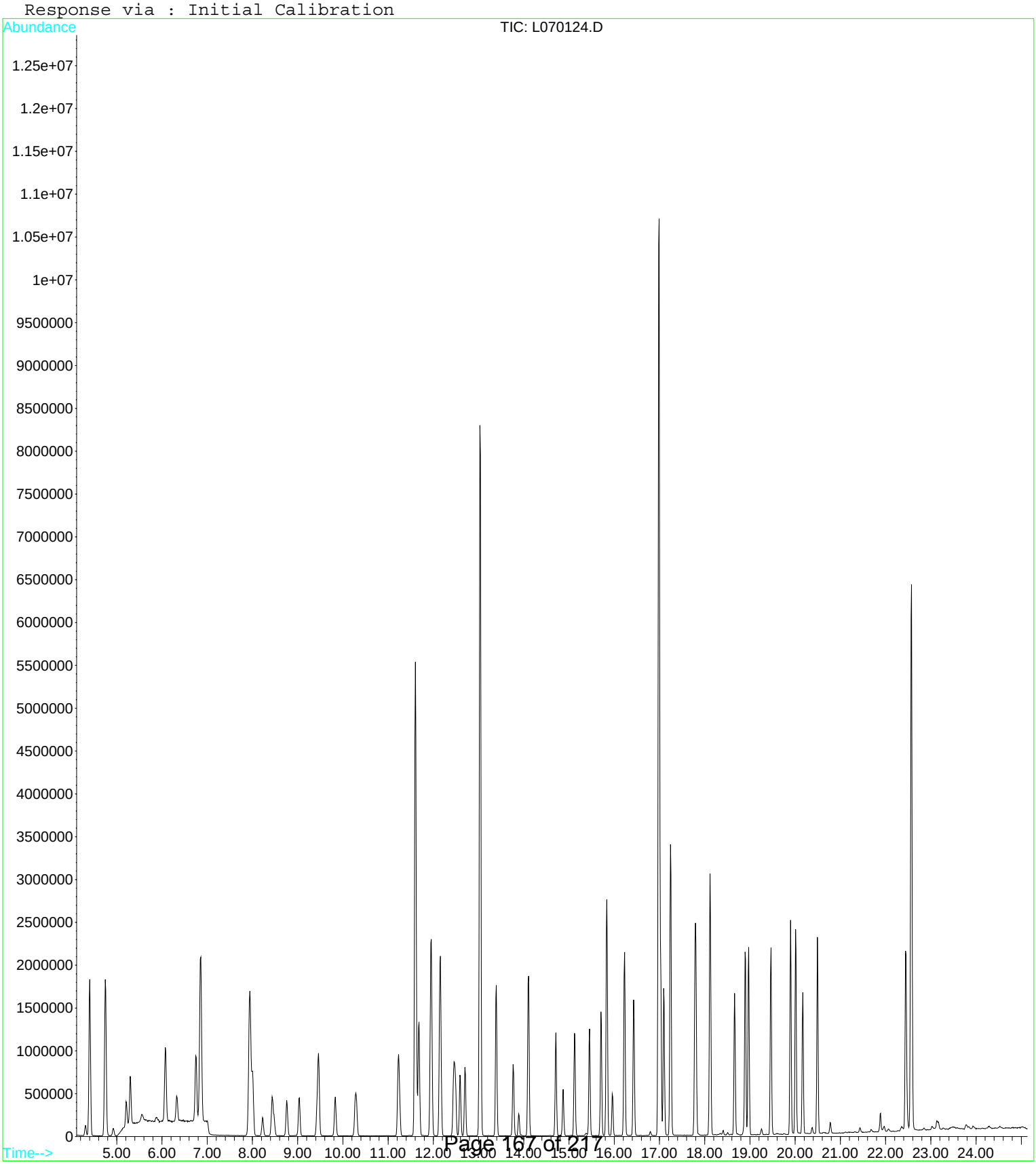
	Compound	R.T.	QIon	Response	Conc	Unit		Qvalue
57)	1,1,2,2,-Tetrachloroethane	18.66	83	169445	1.24	PPBV		93
58)	4-Ethyltoluene	18.91	105	576427	1.38	PPBV	#	90
59)	1,3,5-Trimethylbenzene	18.98	105	514970	1.44	PPBV	#	85
60)	1,2,4-Trimethylbenzene	19.47	105	498665	1.39	PPBV	#	85
61)	Benzyl chloride	20.17	91	410387	1.40	PPBV	#	88
62)	1,3-Dichlorobenzene	19.90	146	302351	1.43	PPBV		93
63)	1,4-Dichlorobenzene	20.02	146	302010	1.44	PPBV	#	90
64)	1,2-Dichlorobenzene	20.50	146	270267	1.40	PPBV	#	91
65)	1,2,4-Trichlorobenzene	22.45	180	252641	1.38	PPBV	#	97
66)	Hexachlorobutadiene	22.58	225	431420	1.42	PPBV		98

(#) = qualifier out of range (m) = manual integration
L070128.D TO1415.M Tue Apr 24 11:20:30 2007 Page 2

Quantitation Report

Data File : M:\MS2007Q2\LURCH\DATA\APR07\04-10-07\L070124.D Vial: 32
Acq On : 10 Apr 2007 11:28 am Operator: lag
Sample : 5ppbv std Inst : Lurch
Misc : Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Apr 10 12:50 2007 Quant Results File: TO1415.RES

Method : M:\MS2007Q1\LURCH\METHODS\TO1415.M (RTE Integrator)
Title : TO14
Last Update : Tue Apr 17 17:01:10 2007
Response via : Initial Calibration



Quantitation Report (Not Reviewed)

Data File : M:\MS2007Q2\LURCH\DATA\APR07\04-10-07\L070124.D Vial: 32
Acq On : 10 Apr 2007 11:28 am Operator: lag
Sample : 5ppbv std Inst : Lurch
Misc : Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Apr 10 12:50 2007 Quant Results File: TO1415.RES

Quant Method : M:\MS2007Q1\L...\TO1415.M (RTE Integrator)
Title : TO14
Last Update : Tue Apr 10 12:50:33 2007
Response via : Initial Calibration
DataAcq Meth : MM-624C

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
1) Bromochloromethane (IS)	11.60	130	1921231	20.20	PPBV		0.00
31) 1,4-Difluorobenzene (IS)	13.04	114	8557331	20.00	PPBV		0.01
45) Chlorobenzene-d5 (IS)	16.99	117	7521091	20.40	PPBV		0.01
Target Compounds							Qvalue
2) propylene	4.30	41	44831	3.90	PPBV	#	86
3) Freon12(CCl2F2)	4.40	85	2188267	4.79	PPBV		99
4) Chloromethane	4.93	50	76453	4.11	PPBV		89
5) Freon 114 (C2Cl2F4)	4.75	85	1443384	4.65	PPBV		95
6) Chloroethene	5.21	62	338608	4.47	PPBV		94
7) 1,3-Butadiene	5.30	39	432843	4.69	PPBV	#	67
8) Bromomethane	6.07	94	827782	4.88	PPBV		96
9) Chloroethane	6.32	64	143665	4.54	PPBV		96
10) Bromoethene	6.76	106	801669	4.76	PPBV	#	97
11) Acetone	8.22	43	415233	3.92	PPBV	#	87
12) Freon 11 (CCl3F)	6.86	101	2571444	4.92	PPBV		97
13) Isopropyl alcohol	8.48	45	252059	4.17	PPBV	#	87
14) 1,1-Dichloroethene	8.00	61	552010	4.71	PPBV	#	68
15) Methylene chloride	9.03	49	305789	4.52	PPBV	#	60
16) Allyl chloride	8.76	76	39779	4.32	PPBV	#	1
17) Freon 113 (C2Cl3F3)	7.94	151	724140	4.99	PPBV		86
18) Carbon disulfide	8.44	76	423539	4.17	PPBV	#	41
19) trans-1,2-Dichloroethene	9.46	61	331971	4.74	PPBV		96
20) 1,1-Dichloroethane	10.28	63	366851	4.68	PPBV		89
21) Methyl tert-butyl ether	9.44	73	539520	4.48	PPBV	#	85
22) Vinyl acetate	10.31	43	507917	4.62	PPBV	#	93
23) Methyl ethyl ketone (2-But	11.24	72	29901	3.89	PPBV	#	1
24) cis-1,2-Dichloroethylene	11.22	61	394854	4.57	PPBV	#	12
25) Hexane	9.82	57	109351	4.34	PPBV	#	1
26) Ethyl acetate	11.26	45	27917	3.58	PPBV	#	1
27) Chloroform	11.68	83	1165828	4.67	PPBV		98
28) Tetrahydrofuran	11.63	72	31588	4.13	PPBV		90
29) 1,2-Dichloroethane	12.59	62	911406	4.87	PPBV		90
30) 1,1,1-Trichloroethane	11.94	97	1807522	4.90	PPBV	#	86
32) Benzene	12.49	78	417574	4.13	PPBV	#	73
33) Carbon tetrachloride	12.16	117	1592635	4.66	PPBV		97
34) Cyclohexane	11.95	56	130954	4.05	PPBV	#	8
35) 1,2-Dichloropropane	13.76	63	107432	4.26	PPBV		89
36) Bromodichloromethane	14.11	83	1408570	4.55	PPBV	#	98
37) 2,2,4-Trimethylpentane	12.46	57	508382	4.14	PPBV	#	32
38) Trichloroethene	13.39	130	501275	4.47	PPBV	#	76
39) 1,4-Dioxane	13.90	88	116829	3.73	PPBV	#	1
40) Heptane	12.70	57	72928	4.07	PPBV	#	50
41) cis-1,3-Dichloropropene	14.71	75	436030	4.34	PPBV		95
42) Methyl isobutyl ketone	14.87	43	376293	3.67	PPBV	#	80
43) trans-1,3-Dichloropropene	15.45	75	575105	4.36	PPBV	#	91
44) 1,1,2-Trichloroethane	15.70	97	541591	4.36	PPBV	#	74
46) Toluene	15.12	91	1058648	4.34	PPBV		99
47) 2-Hexanone Methyl butyl ke	15.96	43	407353	4.10	PPBV	#	76
48) Dibromochloromethane	16.23	129	1131249	4.73	PPBV		99
49) 1,2-Dibromoethane	16.43	107	1271324	4.59	PPBV		99
50) Tetrachloroethene	15.84	166	944693	4.54	PPBV	#	86
51) Chlorobenzene	17.03	112	1343310	4.61	PPBV	#	74
52) Ethylbenzene	17.09	91	1600681	4.30	PPBV		91
53) m-/p-Xylenes	17.24	91	2622179	8.49	PPBV	#	85
54) Bromoform	18.12	173	1683664	5.43	PPBV		99
55) Styrene	17.81	104	1154353	4.44	PPBV		85
56) o-Xylene	17.79	91	1357050	4.32	PPBV		88

(#) = qualifier out of range (m) = manual integration

Quantitation Report (Not Reviewed)

Data File : M:\MS2007Q2\LURCH\DATA\APR07\04-10-07\L070124.D Vial: 32
Acq On : 10 Apr 2007 11:28 am Operator: lag
Sample : 5ppbv std Inst : Lurch
Misc : Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Apr 10 12:50 2007 Quant Results File: TO1415.RES

Quant Method : M:\MS2007Q1\L...\TO1415.M (RTE Integrator)
Title : TO14
Last Update : Tue Apr 10 12:50:33 2007
Response via : Initial Calibration
DataAcq Meth : MM-624C

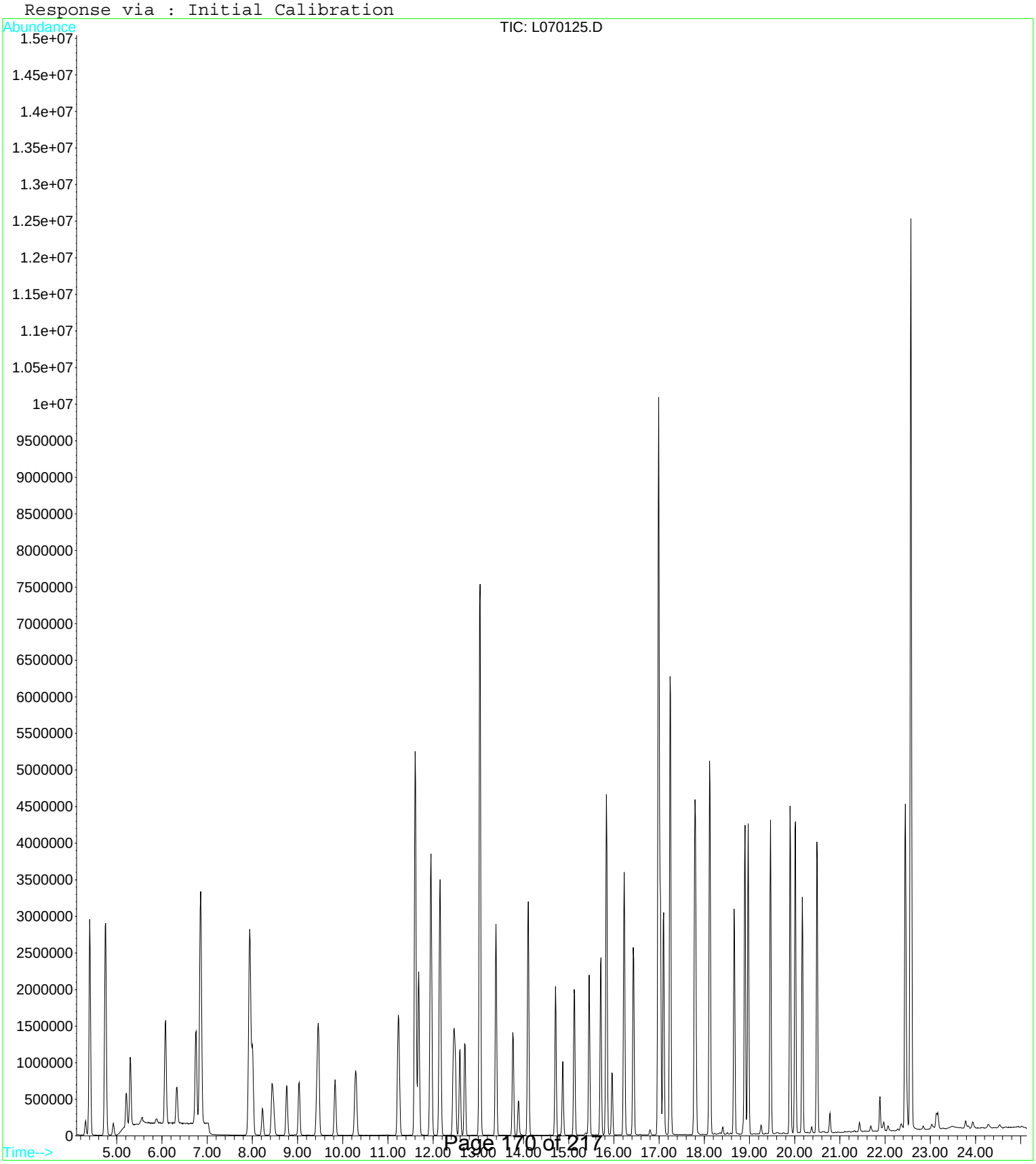
	Compound	R.T.	QIon	Response	Conc	Unit		Qvalue
57)	1,1,2,2,-Tetrachloroethane	18.66	83	670027	4.23	PPBV		97
58)	4-Ethyltoluene	18.89	105	2039981	4.32	PPBV		93
59)	1,3,5-Trimethylbenzene	18.97	105	1756012	4.42	PPBV		88
60)	1,2,4-Trimethylbenzene	19.47	105	1746798	4.28	PPBV		88
61)	Benzyl chloride	20.17	91	1500944	4.30	PPBV	#	91
62)	1,3-Dichlorobenzene	19.90	146	1070891	4.55	PPBV	#	92
63)	1,4-Dichlorobenzene	20.02	146	1067760	4.56	PPBV	#	93
64)	1,2-Dichlorobenzene	20.49	146	975368	4.53	PPBV	#	90
65)	1,2,4-Trichlorobenzene	22.45	180	905162	4.96	PPBV		96
66)	Hexachlorobutadiene	22.57	225	1506269	4.86	PPBV		99

(#) = qualifier out of range (m) = manual integration

Quantitation Report

Data File : M:\MS2007Q2\LURCH\DATA\APR07\04-10-07\L070125.D Vial: 33
Acq On : 10 Apr 2007 12:12 pm Operator: lag
Sample : 8ppbv std Inst : Lurch
Misc : Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Apr 10 12:51 2007 Quant Results File: TO1415.RES

Method : M:\MS2007Q1\LURCH\METHODS\TO1415.M (RTE Integrator)
Title : TO14
Last Update : Tue Apr 17 17:01:10 2007
Response via : Initial Calibration



Quantitation Report (Not Reviewed)

Data File : M:\MS2007Q2\LURCH\DATA\APR07\04-10-07\L070125.D Vial: 33
Acq On : 10 Apr 2007 12:12 pm Operator: lag
Sample : 8ppbv std Inst : Lurch
Misc : Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Apr 10 12:51 2007 Quant Results File: TO1415.RES

Quant Method : M:\MS2007Q1\L...\TO1415.M (RTE Integrator)
Title : TO14
Last Update : Tue Apr 10 12:50:53 2007
Response via : Initial Calibration
DataAcq Meth : MM-624C

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
1) Bromochloromethane (IS)	11.60	130	1759106	20.20	PPBV		0.00
31) 1,4-Difluorobenzene (IS)	13.04	114	7686178	20.00	PPBV		0.00
45) Chlorobenzene-d5 (IS)	16.99	117	6802830	20.40	PPBV		0.00
Target Compounds							Qvalue
2) propylene	4.31	41	75731	7.56	PPBV	#	92
3) Freon12(CCl2F2)	4.40	85	3478498	8.41	PPBV		99
4) Chloromethane	4.93	50	127239	7.78	PPBV		88
5) Freon 114 (C2Cl2F4)	4.74	85	2355835	8.40	PPBV		95
6) Chloroethene	5.22	62	575204	8.50	PPBV		93
7) 1,3-Butadiene	5.30	39	720007	8.61	PPBV	#	68
8) Bromomethane	6.08	94	1302335	8.36	PPBV		98
9) Chloroethane	6.33	64	253485	8.84	PPBV		92
10) Bromoethene	6.76	106	1305860	8.52	PPBV	#	95
11) Acetone	8.22	43	724677	7.72	PPBV	#	87
12) Freon 11 (CCl3F)	6.86	101	4131334	8.61	PPBV		97
13) Isopropyl alcohol	8.47	45	413490	7.65	PPBV	#	94
14) 1,1-Dichloroethene	8.00	61	871705	8.21	PPBV	#	68
15) Methylene chloride	9.04	49	491025	8.03	PPBV	#	61
16) Allyl chloride	8.77	76	65224	7.82	PPBV	#	1
17) Freon 113 (C2Cl3F3)	7.95	151	1163199	8.80	PPBV		85
18) Carbon disulfide	8.43	76	631470	6.88	PPBV	#	34
19) trans-1,2-Dichloroethene	9.47	61	532186	8.45	PPBV		96
20) 1,1-Dichloroethane	10.27	63	582663	8.28	PPBV		90
21) Methyl tert-butyl ether	9.44	73	964381	9.12	PPBV	#	89
22) Vinyl acetate	10.30	43	896513	9.31	PPBV	#	94
23) Methyl ethyl ketone (2-But	11.24	72	52626	7.88	PPBV	#	1
24) cis-1,2-Dichloroethylene	11.22	61	639628	8.31	PPBV	#	14
25) Hexane	9.83	57	182560	8.17	PPBV	#	3
26) Ethyl acetate	11.25	45	59508	8.79	PPBV	#	1
27) Chloroform	11.68	83	1873560	8.35	PPBV		98
28) Tetrahydrofuran	11.62	72	57752	8.60	PPBV		93
29) 1,2-Dichloroethane	12.60	62	1454022	8.60	PPBV		94
30) 1,1,1-Trichloroethane	11.95	97	2917819	8.71	PPBV	#	86
32) Benzene	12.50	78	678585	7.82	PPBV	#	71
33) Carbon tetrachloride	12.15	117	2587385	8.58	PPBV		97
34) Cyclohexane	11.95	56	214338	7.73	PPBV	#	8
35) 1,2-Dichloropropane	13.76	63	178611	8.25	PPBV		89
36) Bromodichloromethane	14.10	83	2275761	8.36	PPBV		99
37) 2,2,4-Trimethylpentane	12.46	57	805294	7.60	PPBV	#	28
38) Trichloroethene	13.39	130	787163	8.01	PPBV	#	77
39) 1,4-Dioxane	13.89	88	204602	7.87	PPBV	#	1
40) Heptane	12.70	57	119119	7.75	PPBV	#	52
41) cis-1,3-Dichloropropene	14.71	75	704862	8.13	PPBV		97
42) Methyl isobutyl ketone	14.87	43	676193	7.83	PPBV	#	81
43) trans-1,3-Dichloropropene	15.45	75	943585	8.33	PPBV	#	89
44) 1,1,2-Trichloroethane	15.71	97	918390	8.61	PPBV	#	73
46) Toluene	15.12	91	1759942	8.26	PPBV		100
47) 2-Hexanone Methyl butyl ke	15.95	43	707601	8.24	PPBV	#	76
48) Dibromochloromethane	16.23	129	1886029	8.86	PPBV		100
49) 1,2-Dibromoethane	16.43	107	2140080	8.75	PPBV		99
50) Tetrachloroethene	15.83	166	1539857	8.34	PPBV	#	86
51) Chlorobenzene	17.03	112	2268110	8.82	PPBV	#	73
52) Ethylbenzene	17.10	91	2851151	8.84	PPBV		90
53) m-/p-Xylenes	17.24	91	4770588	17.83	PPBV	#	87
54) Bromoform	18.12	173	2866614	10.21	PPBV		99
55) Styrene	17.80	104	2041515	9.03	PPBV		87
56) o-Xylene	17.78	91	2428571	8.92	PPBV	#	87

(#) = qualifier out of range (m) = manual integration

Quantitation Report (Not Reviewed)

Data File : M:\MS2007Q2\LURCH\DATA\APR07\04-10-07\L070125.D Vial: 33
Acq On : 10 Apr 2007 12:12 pm Operator: lag
Sample : 8ppbv std Inst : Lurch
Misc : Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Apr 10 12:51 2007 Quant Results File: TO1415.RES

Quant Method : M:\MS2007Q1\L...\TO1415.M (RTE Integrator)
Title : TO14
Last Update : Tue Apr 10 12:50:53 2007
Response via : Initial Calibration
DataAcq Meth : MM-624C

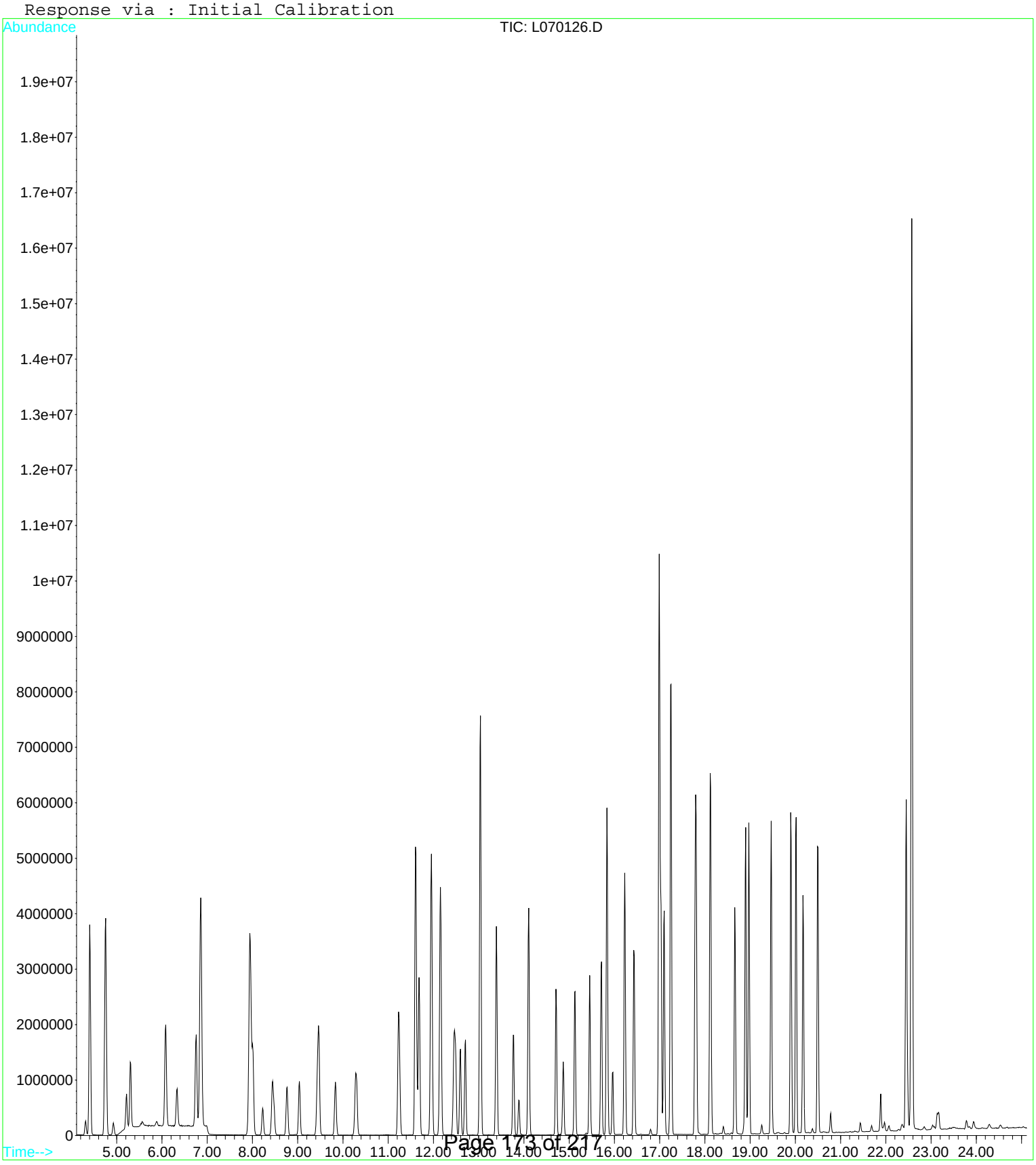
	Compound	R.T.	QIon	Response	Conc	Unit		Qvalue
57)	1,1,2,2,-Tetrachloroethane	18.66	83	1231448	8.95	PPBV		97
58)	4-Ethyltoluene	18.90	105	3760040	9.17	PPBV		94
59)	1,3,5-Trimethylbenzene	18.97	105	3247610	9.41	PPBV		86
60)	1,2,4-Trimethylbenzene	19.46	105	3267038	9.26	PPBV		89
61)	Benzyl chloride	20.17	91	2837482	9.60	PPBV		92
62)	1,3-Dichlorobenzene	19.90	146	1938007	9.36	PPBV	#	92
63)	1,4-Dichlorobenzene	20.02	146	1924531	9.37	PPBV	#	92
64)	1,2-Dichlorobenzene	20.50	146	1750013	9.34	PPBV	#	91
65)	1,2,4-Trichlorobenzene	22.45	180	1788170	10.89	PPBV		97
66)	Hexachlorobutadiene	22.57	225	2825496	10.17	PPBV		99

(#) = qualifier out of range (m) = manual integration
L070125.D TO1415.M Tue Apr 24 11:21:07 2007 Page 2

Quantitation Report

Data File : M:\MS2007Q2\LURCH\DATA\APR07\04-10-07\L070126.D Vial: 34
Acq On : 10 Apr 2007 12:57 pm Operator: lag
Sample : 10ppbv std Inst : Lurch
Misc : Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Apr 10 15:01 2007 Quant Results File: TO1415.RES

Method : M:\MS2007Q1\LURCH\METHODS\TO1415.M (RTE Integrator)
Title : TO14
Last Update : Tue Apr 17 17:01:10 2007
Response via : Initial Calibration



Quantitation Report (Not Reviewed)

Data File : M:\MS2007Q2\LURCH\DATA\APR07\04-10-07\L070126.D Vial: 34
Acq On : 10 Apr 2007 12:57 pm Operator: lag
Sample : 10ppbv std Inst : Lurch
Misc : Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Apr 10 15:01 2007 Quant Results File: TO1415.RES

Quant Method : M:\MS2007Q1\L...\TO1415.M (RTE Integrator)
Title : TO14
Last Update : Tue Apr 10 12:51:11 2007
Response via : Initial Calibration
DataAcq Meth : MM-624C

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
1) Bromochloromethane (IS)	11.60	130	1760525	20.20	PPBV		0.00
31) 1,4-Difluorobenzene (IS)	13.04	114	7668477	20.00	PPBV		0.00
45) Chlorobenzene-d5 (IS)	16.99	117	6924032	20.40	PPBV		0.00
Target Compounds							Qvalue
2) propylene	4.31	41	97211	10.07	PPBV	#	91
3) Freon12(CCl2F2)	4.40	85	4460408	10.68	PPBV		98
4) Chloromethane	4.93	50	169735	10.72	PPBV		92
5) Freon 114 (C2Cl2F4)	4.76	85	3075775	10.95	PPBV		95
6) Chloroethene	5.22	62	725417	10.87	PPBV		95
7) 1,3-Butadiene	5.30	39	961518	11.43	PPBV	#	66
8) Bromomethane	6.08	94	1698469	10.75	PPBV		99
9) Chloroethane	6.33	64	343709	11.89	PPBV	#	88
10) Bromoethene	6.76	106	1676603	10.80	PPBV	#	97
11) Acetone	8.22	43	951229	10.21	PPBV	#	87
12) Freon 11 (CCl3F)	6.86	101	5360552	10.98	PPBV		97
13) Isopropyl alcohol	8.48	45	547016	10.27	PPBV	#	94
14) 1,1-Dichloroethene	8.00	61	1150056	10.86	PPBV	#	69
15) Methylene chloride	9.04	49	630455	10.21	PPBV	#	61
16) Allyl chloride	8.76	76	85256	10.38	PPBV	#	1
17) Freon 113 (C2Cl3F3)	7.94	151	1503482	11.21	PPBV		85
18) Carbon disulfide	8.45	76	833592	9.21	PPBV	#	35
19) trans-1,2-Dichloroethene	9.47	61	690277	11.05	PPBV		97
20) 1,1-Dichloroethane	10.27	63	738617	10.58	PPBV		91
21) Methyl tert-butyl ether	9.44	73	1224141	11.68	PPBV	#	90
22) Vinyl acetate	10.31	43	1161715	12.22	PPBV	#	95
23) Methyl ethyl ketone (2-But	11.24	72	71065	11.16	PPBV	#	1
24) cis-1,2-Dichloroethylene	11.23	61	832052	10.90	PPBV	#	15
25) Hexane	9.83	57	232151	10.65	PPBV	#	3
26) Ethyl acetate	11.25	45	76875	11.67	PPBV	#	1
27) Chloroform	11.68	83	2377094	10.58	PPBV		97
28) Tetrahydrofuran	11.63	72	78551	12.18	PPBV	#	89
29) 1,2-Dichloroethane	12.60	62	1904542	11.26	PPBV		92
30) 1,1,1-Trichloroethane	11.95	97	3733487	11.02	PPBV	#	86
32) Benzene	12.50	78	875072	10.39	PPBV	#	69
33) Carbon tetrachloride	12.16	117	3313155	10.84	PPBV		97
34) Cyclohexane	11.95	56	280877	10.48	PPBV	#	7
35) 1,2-Dichloropropane	13.76	63	233368	11.12	PPBV		89
36) Bromodichloromethane	14.11	83	2894914	10.63	PPBV		99
37) 2,2,4-Trimethylpentane	12.46	57	1023170	9.93	PPBV	#	27
38) Trichloroethene	13.39	130	1026107	10.51	PPBV	#	78
39) 1,4-Dioxane	13.89	88	277719	11.24	PPBV	#	1
40) Heptane	12.71	57	158960	10.73	PPBV	#	53
41) cis-1,3-Dichloropropene	14.71	75	919314	10.84	PPBV		97
42) Methyl isobutyl ketone	14.87	43	899363	10.77	PPBV	#	79
43) trans-1,3-Dichloropropene	15.45	75	1247447	11.25	PPBV	#	91
44) 1,1,2-Trichloroethane	15.71	97	1180822	11.20	PPBV	#	73
46) Toluene	15.13	91	2274746	10.72	PPBV		100
47) 2-Hexanone Methyl butyl ke	15.97	43	917059	10.75	PPBV	#	78
48) Dibromochloromethane	16.23	129	2430978	11.15	PPBV		98
49) 1,2-Dibromoethane	16.43	107	2761555	11.12	PPBV		99
50) Tetrachloroethene	15.84	166	1945739	10.34	PPBV	#	87
51) Chlorobenzene	17.03	112	2910856	11.12	PPBV	#	73
52) Ethylbenzene	17.10	91	3675621	11.28	PPBV		90
53) m-/p-Xylenes	17.25	91	6292441	23.27	PPBV	#	87
54) Bromoform	18.13	173	3685198	12.53	PPBV		100
55) Styrene	17.81	104	2704263	11.83	PPBV		87
56) o-Xylene	17.79	91	3232210	11.72	PPBV	#	87

(#) = qualifier out of range (m) = manual integration
L070126.D TO1415.M Tue Apr 24 11:21:35 2007 Page 1

Quantitation Report (Not Reviewed)

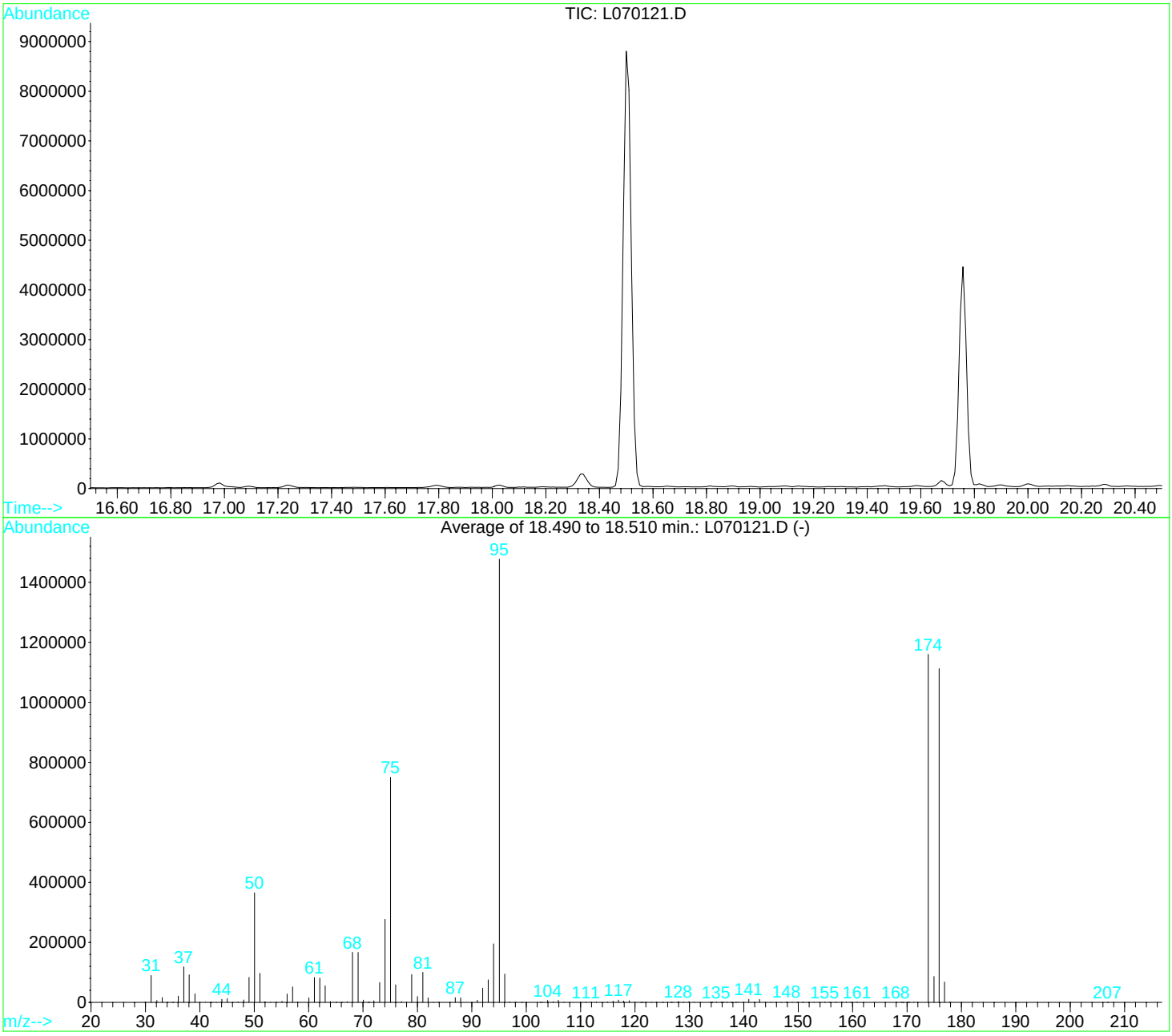
Data File : M:\MS2007Q2\LURCH\DATA\APR07\04-10-07\L070126.D Vial: 34
Acq On : 10 Apr 2007 12:57 pm Operator: lag
Sample : 10ppbv std Inst : Lurch
Misc : Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Apr 10 15:01 2007 Quant Results File: TO1415.RES

Quant Method : M:\MS2007Q1\L...\TO1415.M (RTE Integrator)
Title : TO14
Last Update : Tue Apr 10 12:51:11 2007
Response via : Initial Calibration
DataAcq Meth : MM-624C

	Compound	R.T.	QIon	Response	Conc	Unit		Qvalue
57)	1,1,2,2,-Tetrachloroethane	18.66	83	1628720	11.69	PPBV		98
58)	4-Ethyltoluene	18.90	105	4902378	11.78	PPBV		93
59)	1,3,5-Trimethylbenzene	18.97	105	4227167	11.95	PPBV		88
60)	1,2,4-Trimethylbenzene	19.46	105	4228370	11.86	PPBV		89
61)	Benzyl chloride	20.17	91	3781075	12.90	PPBV		92
62)	1,3-Dichlorobenzene	19.90	146	2481765	11.76	PPBV	#	91
63)	1,4-Dichlorobenzene	20.02	146	2473618	11.81	PPBV	#	92
64)	1,2-Dichlorobenzene	20.50	146	2293359	12.05	PPBV	#	90
65)	1,2,4-Trichlorobenzene	22.45	180	2362237	13.98	PPBV		97
66)	Hexachlorobutadiene	22.57	225	3718380	13.05	PPBV		99

(#) = qualifier out of range (m) = manual integration
L070126.D TO1415.M Tue Apr 24 11:21:35 2007 Page 2

Data File : M:\MS2007Q2\LURCH\DATA\APR07\04-10-07\L070121.D Vial: 29
Acq On : 10 Apr 2007 8:59 am Operator: lag
Sample : bfb Inst : Lurch
Misc : 0 Multiplr: 1.00
MS Integration Params: rteint.p
Method : M:\MS2007Q1\LURCH\METHODS\TO1415.M (RTE Integrator)
Title : TO14



AutoFind: Scans 1431, 1432, 1433; Background Corrected with Scan 1422

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
50	95	15	40	24.7	365508	PASS
75	95	30	60	50.8	749717	PASS
95	95	100	100	100.0	1477091	PASS
96	95	5	9	6.4	94556	PASS
173	174	0.00	2	0.0	0	PASS
174	95	50	100	78.5	1160043	PASS
175	174	5	9	7.5	86469	PASS
176	174	95	101	95.9	1112149	PASS
177	176	5	9	6.1	67837	PASS

L070121.D TO1415.M Tue Apr 24 11:19:36

Average of 18.490 to 18.510 min.: L070121.D
bfb
Modified:subtracted

m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
29.90	112	41.05	315	52.00	2618	64.00	2959
31.05	89962	42.05	233	53.00	265	65.05	86
32.10	6362	43.05	571	54.05	99	66.25	380
33.10	16160	44.05	10183	55.10	3986	67.10	2156
34.00	160	45.05	12529	56.05	27733	68.05	166976
35.00	182	46.10	718	57.05	51775	69.10	166778
36.05	20936	47.05	1938	58.00	1473	70.05	7680
37.05	118376	48.05	8359	60.05	15485	70.95	185
38.05	91777	49.05	83411	61.05	82933	71.20	391
39.10	28544	50.05	365508	62.05	81139	72.00	5789
40.05	1069	51.05	96869	63.05	55017	73.05	66234

Average of 18.490 to 18.510 min.: L070121.D
bfb
Modified:subtracted

m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
74.05	276992	86.00	316	99.15	71	114.95	1355
75.05	749717	86.95	16028	102.60	162	115.95	4499
76.00	58491	87.95	15471	103.00	719	116.95	7738
77.05	2647	91.00	7344	103.95	6947	117.90	4777
78.00	451	92.00	47491	104.95	2089	118.95	5739
78.95	92603	93.00	75138	105.90	6727	120.00	271
80.00	19098	94.00	195267	106.95	1406	121.05	69
81.00	100290	95.05	1477091	110.00	1072	121.35	68
81.95	15038	96.05	94556	111.00	1494	121.85	133
82.95	926	97.00	1757	111.95	894	123.05	265
83.95	162	97.95	88	112.90	1497	123.90	456

Average of 18.490 to 18.510 min.: L070121.D
bfb
Modified:subtracted

m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
125.05	243	135.80	140	145.00	647	155.80	259
126.00	347	136.10	182	145.95	1086	156.95	1561
126.60	77	136.90	1466	146.85	555	157.95	90
126.95	490	137.70	150	147.85	1979	158.85	984
127.95	3029	138.50	72	148.90	433	159.70	67
128.95	1207	138.95	371	149.85	890	160.85	1106
129.90	2746	139.90	233	150.80	72	167.95	96
130.90	1039	140.90	10250	151.95	455	168.95	83
133.90	154	141.95	653	152.90	614	169.25	176
134.15	136	142.90	9816	153.90	554	170.05	155
134.95	1382	143.95	657	154.90	1713	170.35	219

Average of 18.490 to 18.510 min.: L070121.D
bfb
Modified:subtracted

m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
171.25	325						
172.00	666						
173.90	1160043						
174.95	86469						
175.90	1112149						
176.90	67837						
177.90	1820						
206.85	137						

Evaluate Continuing Calibration Report

Data File : M:\MS2007Q3\LURCH\DATA\JUL07\07-11-07\L070294.D Vial: 4
Acq On : 11 Jul 2007 10:23 am Operator: lag
Sample : 5ppbv std Inst : Lurch
Misc : Multiplr: 1.00
MS Integration Params: rteint.p

Method : M:\MS2007Q1\LURCH\METHODS\TO1415.M (RTE Integrator)
Title : TO14
Last Update : Tue Apr 17 17:01:10 2007
Response via : Multiple Level Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 30% Max. Rel. Area : 200%

	Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
1	Bromochloromethane (IS)	1.000	1.000	0.0	85	0.00
2	propylene	0.106	0.105	0.9	95	-0.03
3	Freon12(CCl2F2)	4.956	6.163	-24.4	114	-0.02
4	Chloromethane	0.177	0.167	5.6	89	0.00
5	Freon 114 (C2Cl2F4)	3.380	3.406	-0.8	95	0.00
6	Chloroethene	0.780	0.794	-1.8	95	0.00
7	1,3-Butadiene	1.038	1.067	-2.8	100	0.00
8	Bromomethane	1.904	2.125	-11.6	104	0.00
9	Chloroethane	0.342	0.366	-7.0	103	0.00
10	Bromoethene	1.853	2.258	-21.9	114	0.00
11	Acetone	1.210	0.889	26.5	87	0.00
12	Freon 11 (CCl3F)	6.016	7.563	-25.7	119	0.00
13	Isopropyl alcohol	0.668	0.570	14.7	91	0.02
14	1,1-Dichloroethene	1.229	1.385	-12.7	101	0.00
15	Methylene chloride	0.713	0.732	-2.7	97	0.01
16	Allyl chloride	0.089	0.071	20.2	72	0.01
17	Freon 113 (C2Cl3F3)	1.581	2.050	-29.7	115	0.00
18	Carbon disulfide	1.098	1.028	6.4	98	0.00
19	trans-1,2-Dichloroethene	0.709	0.780	-10.0	95	0.00
20	1,1-Dichloroethane	0.783	0.798	-1.9	88	0.00
21	Methyl tert-butyl ether	1.226	1.121	8.6	84	0.00
22	Vinyl acetate	1.092	1.058	3.1	84	0.00
23	Methyl ethyl ketone (2-Buta	0.069	0.056	18.8	76	0.00
24	cis-1,2-Dichloroethylene	0.866	0.916	-5.8	94	0.00
25	Hexane	0.236	0.219	7.2	81	0.01
26	Ethyl acetate	0.076	0.064	15.8	93	0.00
27	Chloroform	2.522	2.395	5.0	83	0.00
28	Tetrahydrofuran	0.074	0.053	28.4	67	0.00
29	1,2-Dichloroethane	1.971	2.319	-17.7	103	0.00
30	1,1,1-Trichloroethane	4.034	4.794	-18.8	107	0.00
31	1,4-Difluorobenzene (IS)	1.000	1.000	0.0	101	0.00
32	Benzene	0.197	0.183	7.1	95	0.00
33	Carbon tetrachloride	0.774	0.836	-8.0	114	0.00
34	Cyclohexane	0.062	0.051	17.7	85	0.00
35	1,2-Dichloropropane	0.050	0.042	16.0	85	0.00
36	Bromodichloromethane	0.673	0.661	1.8	102	0.00
37	2,2,4-Trimethylpentane	0.241	0.204	15.4	87	0.00
38	Trichloroethene	0.243	0.251	-3.3	108	0.00
39	1,4-Dioxane	0.060	0.051	15.0	95	0.00
40	Heptane	0.035	0.029	17.1	87	0.00
41	cis-1,3-Dichloropropene	0.205	0.188	8.3	93	0.00
42	Methyl isobutyl ketone	0.204	0.180	11.8	104	0.00
43	trans-1,3-Dichloropropene	0.275	0.256	6.9	96	0.00
44	1,1,2-Trichloroethane	0.259	0.259	0.0	103	0.00
45	Chlorobenzene-d5 (IS)	1.000	1.000	0.0	102	0.00
46	Toluene	0.590	0.547	7.3	97	0.00
47	2-Hexanone Methyl butyl ket	0.242	0.216	10.7	100	0.00
48	Dibromochloromethane	0.629	0.713	-13.4	119	0.00
49	1,2-Dibromoethane	0.707	0.717	-1.4	107	0.00
50	Tetrachloroethene	0.530	0.546	-3.0	109	0.00
51	Chlorobenzene	0.749	0.774	-3.3	109	0.00
52	Ethylbenzene	0.932	0.833	10.6	98	0.00
53	m-/p-Xylenes	0.780	0.688	11.8	99	0.00
54	Bromoform	0.929	0.982	-5.7	110	0.00
55	Styrene	0.662	0.607	8.3	99	0.00

(#) = Out of Range
L070294.D TO1415.M Fri Jul 13 11:50:10 2007 Page 1

Evaluate Continuing Calibration Report

Data File : M:\MS2007Q3\LURCH\DATA\JUL07\07-11-07\L070294.D Vial: 4
Acq On : 11 Jul 2007 10:23 am Operator: lag
Sample : 5ppbv std Inst : Lurch
Misc : Multiplr: 1.00
MS Integration Params: rteint.p

Method : M:\MS2007Q1\LURCH\METHODS\TO1415.M (RTE Integrator)
Title : TO14
Last Update : Tue Apr 17 17:01:10 2007
Response via : Multiple Level Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 30% Max. Rel. Area : 200%

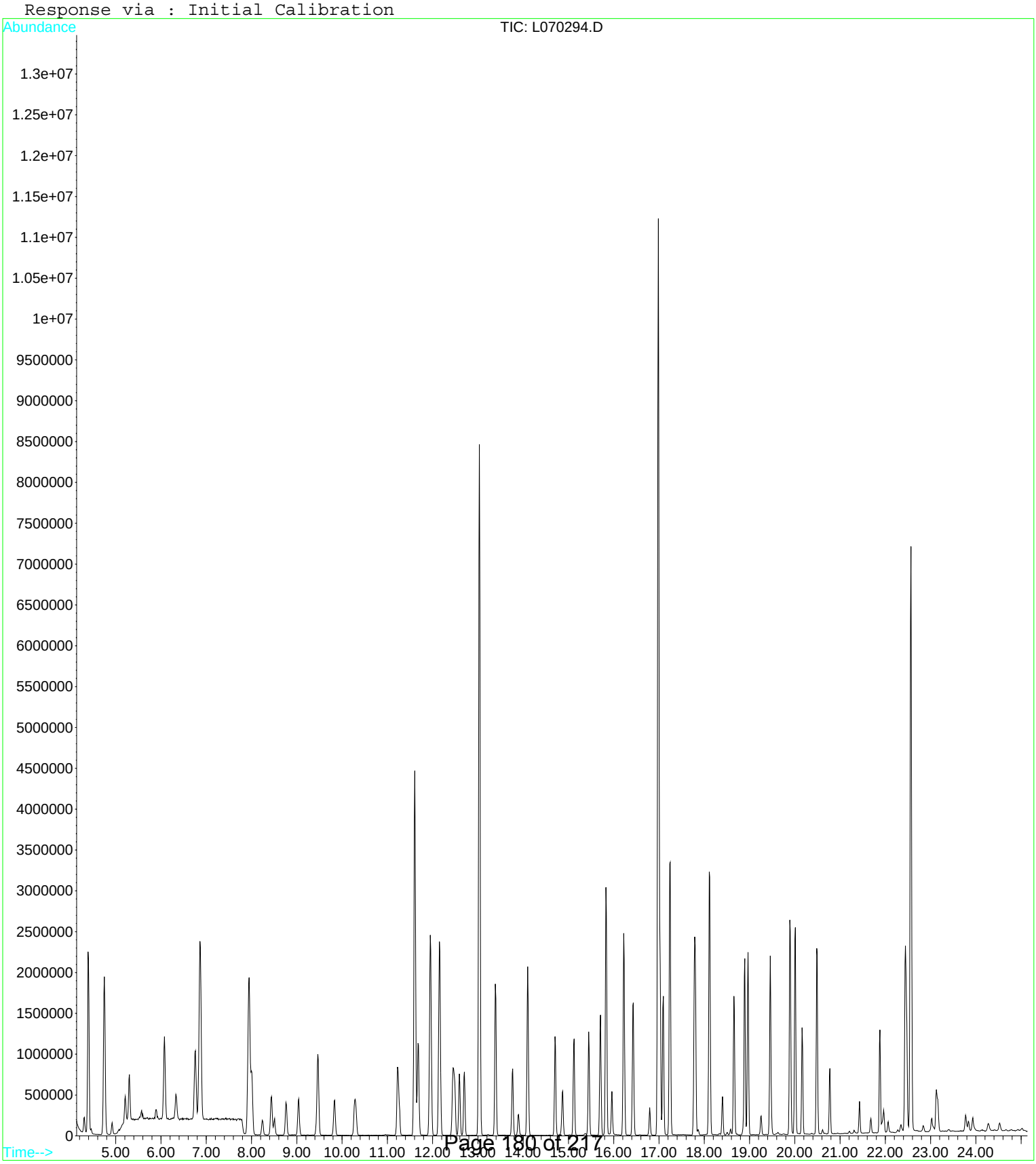
	Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
56	o-Xylene	0.795	0.692	13.0	96	0.00
57	1,1,2,2,-Tetrachloroethane	0.396	0.345	12.9	97	0.00
58	4-Ethyltoluene	1.221	1.068	12.5	99	0.00
59	1,3,5-Trimethylbenzene	1.055	0.928	12.0	100	0.00
60	1,2,4-Trimethylbenzene	1.049	0.909	13.3	98	0.00
61	Benzyl chloride	0.855	0.617	27.8	78	0.00
62	1,3-Dichlorobenzene	0.616	0.643	-4.4	113	0.00
63	1,4-Dichlorobenzene	0.610	0.641	-5.1	113	0.00
64	1,2-Dichlorobenzene	0.558	0.574	-2.9	111	0.00
65	1,2,4-Trichlorobenzene	0.535	0.501	6.4	104	0.00
66	Hexachlorobutadiene	0.887	0.837	5.6	105	0.00

(#) = Out of Range SPCC's out = 0 CCC's out = 0
L070294.D TO1415.M Fri Jul 13 11:50:11 2007 Page 2

Quantitation Report

Data File : M:\MS2007Q3\LURCH\DATA\JUL07\07-11-07\L070294.D Vial: 4
Acq On : 11 Jul 2007 10:23 am Operator: lag
Sample : 5ppbv std Inst : Lurch
Misc : Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Jul 11 11:06 2007 Quant Results File: TO1415.RES

Method : M:\MS2007Q1\LURCH\METHODS\TO1415.M (RTE Integrator)
Title : TO14
Last Update : Tue Apr 17 17:01:10 2007
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data File : M:\MS2007Q3\LURCH\DATA\JUL07\07-11-07\L070294.D Vial: 4
Acq On : 11 Jul 2007 10:23 am Operator: lag
Sample : 5ppbv std Inst : Lurch
Misc : Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Jul 11 11:06 2007 Quant Results File: TO1415.RES

Quant Method : M:\MS2007Q1\L...\TO1415.M (RTE Integrator)
Title : TO14
Last Update : Tue Apr 17 17:01:10 2007
Response via : Initial Calibration
DataAcq Meth : MM-624C

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
1) Bromochloromethane (IS)	11.61	130	1634335	20.20	PPBV		0.00
31) 1,4-Difluorobenzene (IS)	13.03	114	8651461	20.00	PPBV		0.00
45) Chlorobenzene-d5 (IS)	16.99	117	7701796	20.40	PPBV		0.00
Target Compounds							Qvalue
2) propylene	4.30	41	42633	4.96	PPBV	#	26
3) Freon12(CCl2F2)	4.39	85	2493060	6.22	PPBV		99
4) Chloromethane	4.92	50	67753	4.73	PPBV		90
5) Freon 114 (C2Cl2F4)	4.75	85	1378012	5.04	PPBV		98
6) Chloroethene	5.21	62	321307	5.09	PPBV		93
7) 1,3-Butadiene	5.30	39	431487	5.14	PPBV	#	62
8) Bromomethane	6.08	94	859717	5.58	PPBV		96
9) Chloroethane	6.33	64	148115	5.35	PPBV		89
10) Bromoethene	6.76	106	913530	6.09	PPBV	#	95
11) Acetone	8.24	43	359474	3.67	PPBV	#	85
12) Freon 11 (CCl3F)	6.86	101	3059530	6.29	PPBV		96
13) Isopropyl alcohol	8.51	45	230600	4.26	PPBV	#	95
14) 1,1-Dichloroethene	8.01	61	560226	5.63	PPBV	#	68
15) Methylene chloride	9.04	49	295923	5.13	PPBV	#	69
16) Allyl chloride	8.77	76	28738	3.99	PPBV	#	1
17) Freon 113 (C2Cl3F3)	7.95	151	829238	6.48	PPBV		62
18) Carbon disulfide	8.44	76	416022	4.68	PPBV	#	19
19) trans-1,2-Dichloroethene	9.46	61	315729	5.50	PPBV	#	90
20) 1,1-Dichloroethane	10.28	63	322857	5.09	PPBV	#	85
21) Methyl tert-butyl ether	9.45	73	453546	4.57	PPBV	#	85
22) Vinyl acetate	10.31	43	427827	4.84	PPBV	#	92
23) Methyl ethyl ketone (2-But	11.25	72	22592	4.06	PPBV	#	1
24) cis-1,2-Dichloroethylene	11.22	61	370508	5.29	PPBV	#	5
25) Hexane	9.84	57	88563	4.63	PPBV	#	1
26) Ethyl acetate	11.26	45	25997	4.24	PPBV	#	1
27) Chloroform	11.69	83	969000	4.75	PPBV		98
28) Tetrahydrofuran	11.64	72	21256	3.55	PPBV	#	83
29) 1,2-Dichloroethane	12.59	62	938033	5.88	PPBV		90
30) 1,1,1-Trichloroethane	11.95	97	1939430	5.94	PPBV	#	85
32) Benzene	12.49	78	395521	4.64	PPBV	#	67
33) Carbon tetrachloride	12.15	117	1808637	5.40	PPBV		98
34) Cyclohexane	11.95	56	110898	4.16	PPBV	#	1
35) 1,2-Dichloropropane	13.77	63	91008	4.18	PPBV		86
36) Bromodichloromethane	14.10	83	1430226	4.91	PPBV		99
37) 2,2,4-Trimethylpentane	12.45	57	441679	4.24	PPBV	#	15
38) Trichloroethene	13.39	130	543434	5.17	PPBV	#	82
39) 1,4-Dioxane	13.90	88	110584	4.28	PPBV	#	1
40) Heptane	12.70	57	63509	4.18	PPBV	#	52
41) cis-1,3-Dichloropropene	14.70	75	407072	4.60	PPBV		96
42) Methyl isobutyl ketone	14.86	43	390264	4.42	PPBV	#	78
43) trans-1,3-Dichloropropene	15.45	75	553634	4.65	PPBV	#	89
44) 1,1,2-Trichloroethane	15.71	97	560151	4.99	PPBV	#	69
46) Toluene	15.13	91	1031807	4.63	PPBV		100
47) 2-Hexanone Methyl butyl ke	15.96	43	408482	4.47	PPBV	#	75
48) Dibromochloromethane	16.22	129	1345468	5.67	PPBV		99
49) 1,2-Dibromoethane	16.43	107	1354125	5.07	PPBV		98
50) Tetrachloroethene	15.83	166	1030942	5.16	PPBV	#	87
51) Chlorobenzene	17.03	112	1461650	5.17	PPBV	#	72
52) Ethylbenzene	17.10	91	1572345	4.47	PPBV	#	86
53) m-/p-Xylenes	17.25	91	2596339	8.81	PPBV	#	82
54) Bromoform	18.12	173	1854623	5.29	PPBV		98
55) Styrene	17.80	104	1145176	4.59	PPBV	#	83
56) o-Xylene	17.78	91	1206436	4.35	PPBV	#	82

(#) = qualifier out of range (m) = manual integration
L070294.D TO1415.M Fri Jul 13 11:50:02 2007 Page 1

Quantitation Report (QT Reviewed)

Data File : M:\MS2007Q3\LURCH\DATA\JUL07\07-11-07\L070294.D Vial: 4
Acq On : 11 Jul 2007 10:23 am Operator: lag
Sample : 5ppbv std Inst : Lurch
Misc : Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Jul 11 11:06 2007 Quant Results File: TO1415.RES

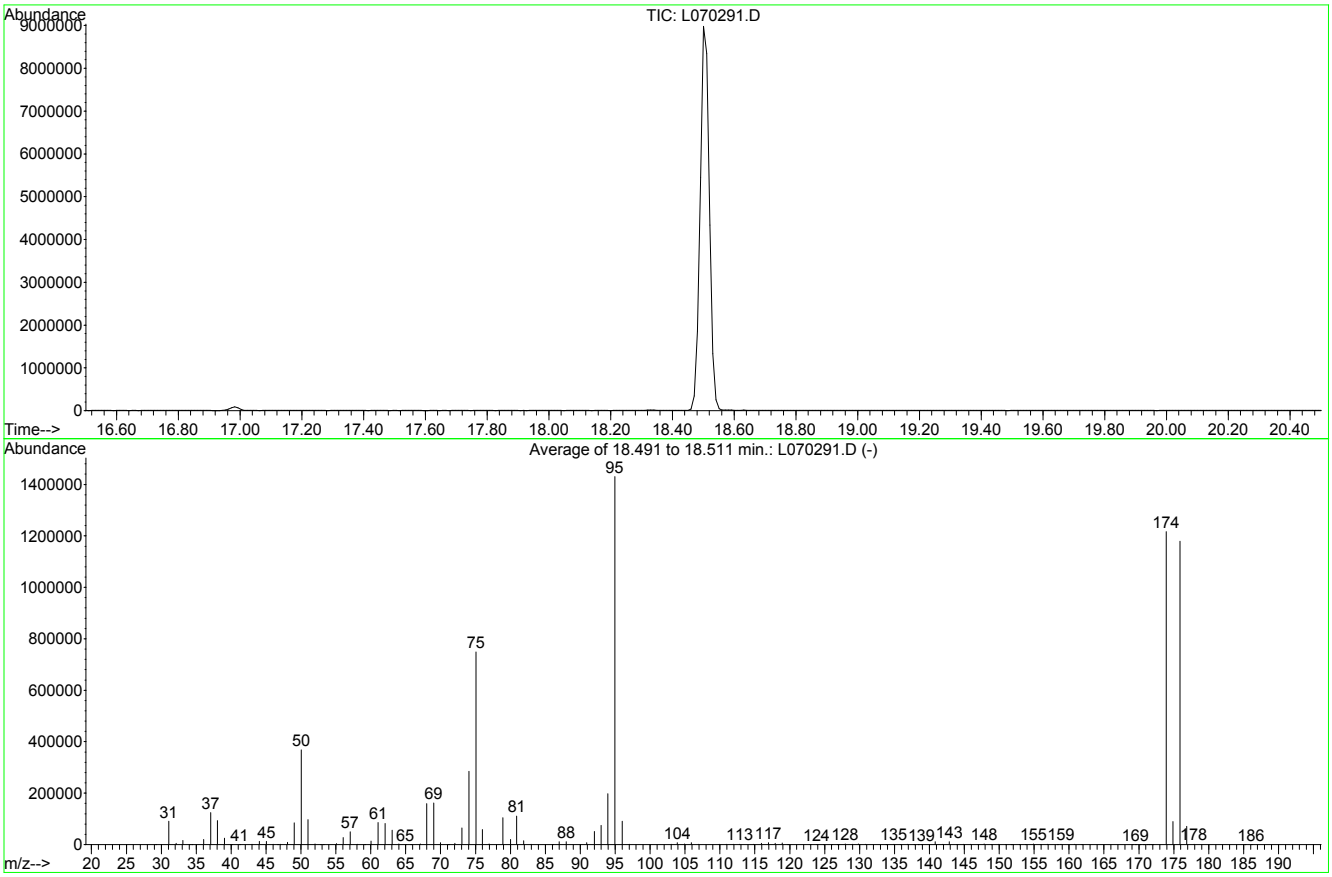
Quant Method : M:\MS2007Q1\L...\TO1415.M (RTE Integrator)
Title : TO14
Last Update : Tue Apr 17 17:01:10 2007
Response via : Initial Calibration
DataAcq Meth : MM-624C

	Compound	R.T.	QIon	Response	Conc	Unit		Qvalue
57)	1,1,2,2,-Tetrachloroethane	18.65	83	651866	4.36	PPBV		98
58)	4-Ethyltoluene	18.90	105	2015327	4.37	PPBV		95
59)	1,3,5-Trimethylbenzene	18.97	105	1751762	4.40	PPBV		90
60)	1,2,4-Trimethylbenzene	19.46	105	1715160	4.33	PPBV		91
61)	Benzyl chloride	20.16	91	1164743	3.61	PPBV		95
62)	1,3-Dichlorobenzene	19.90	146	1214724	5.22	PPBV	#	93
63)	1,4-Dichlorobenzene	20.01	146	1209578	5.25	PPBV		95
64)	1,2-Dichlorobenzene	20.49	146	1083958	5.15	PPBV		94
65)	1,2,4-Trichlorobenzene	22.44	180	945220	4.68	PPBV		94
66)	Hexachlorobutadiene	22.57	225	1579937	4.72	PPBV		98

(#) = qualifier out of range (m) = manual integration
L070294.D TO1415.M Fri Jul 13 11:50:02 2007 Page 2

BFB

Data File : M:\MS2007Q3\LURCH\DATA\JUL07\07-11-07\L070291.D Vial: 1
Acq On : 11 Jul 2007 8:05 am Operator: lag
Sample : bfb Inst : Lurch
Misc : Multiplr: 1.00
MS Integration Params: rteint.p
Method : M:\MS2007Q1\LURCH\METHODS\TO1415.M (RTE Integrator)
Title : TO14



AutoFind: Scans 1429, 1430, 1431; Background Corrected with Scan 1422

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
50	95	15	40	25.7	368170	PASS
75	95	30	60	52.3	749162	PASS
95	95	100	100	100.0	1431210	PASS
96	95	5	9	6.4	90930	PASS
173	174	0.00	2	0.0	0	PASS
174	95	50	100	85.0	1216469	PASS
175	174	5	9	7.4	90234	PASS
176	174	95	101	97.0	1179520	PASS
177	176	5	9	6.1	71594	PASS

L070291.D TO1415.M Fri Jul 13 11:20:15 2007

Average of 18.491 to 18.511 min.: L070291.D
bfb
Modified:subtracted

m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
29.20	97	40.05	368	51.00	97096	62.05	82648
31.05	90693	41.20	124	52.00	2682	63.05	56237
32.10	5654	43.00	789	52.80	68	64.00	2748
33.10	16112	44.05	12562	53.20	77	64.95	296
34.00	197	45.05	12914	55.10	3983	65.70	69
34.35	87	46.00	973	56.05	27637	67.10	1948
36.05	20127	46.65	155	57.05	50288	68.00	159642
37.05	124722	47.05	930	58.05	1229	69.00	162194
38.05	93773	48.05	9230	59.10	226	70.00	7303
39.05	24905	49.05	84653	60.05	14041	71.10	377
39.90	411	50.05	368170	61.05	85448	72.05	5489

Average of 18.491 to 18.511 min.: L070291.D
bfb
Modified:subtracted

m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
73.05	65301	87.00	11078	104.95	2424	118.90	6428
74.05	285162	88.00	11106	105.90	7343	119.70	296
75.05	749162	90.90	7063	106.95	1106	122.90	420
76.00	57978	92.00	50448	109.90	994	123.85	532
76.95	2341	93.00	75114	110.90	1400	124.85	269
78.90	105098	93.95	197793	111.90	957	126.00	456
80.00	20554	94.95	1431210	112.85	1457	126.80	132
80.90	110754	96.00	90930	114.85	1588	127.00	126
81.90	15543	97.00	1607	115.95	5006	127.95	2961
82.95	985	103.00	739	116.95	7976	128.95	1420
86.00	408	103.90	7488	117.90	4511	129.85	2958

Average of 18.491 to 18.511 min.: L070291.D
bfb
Modified:subtracted

m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
130.85	1136	143.95	565	153.75	523	170.65	405
133.75	85	144.90	822	154.90	2163	171.20	150
134.90	1673	145.90	1177	155.90	202	171.50	395
135.85	290	146.95	631	156.90	1489	171.80	293
136.90	1479	147.85	2191	158.35	85	172.00	293
137.80	74	148.85	558	158.85	1299	173.90	1216469
138.40	77	149.95	1060	160.80	1128	174.90	90234
138.90	389	150.90	73	161.80	76	175.90	1179520
140.85	11048	151.70	79	169.05	77	176.85	71594
141.95	774	151.90	384	169.50	178	177.90	1488
142.85	11861	152.90	546	170.15	376	185.20	70

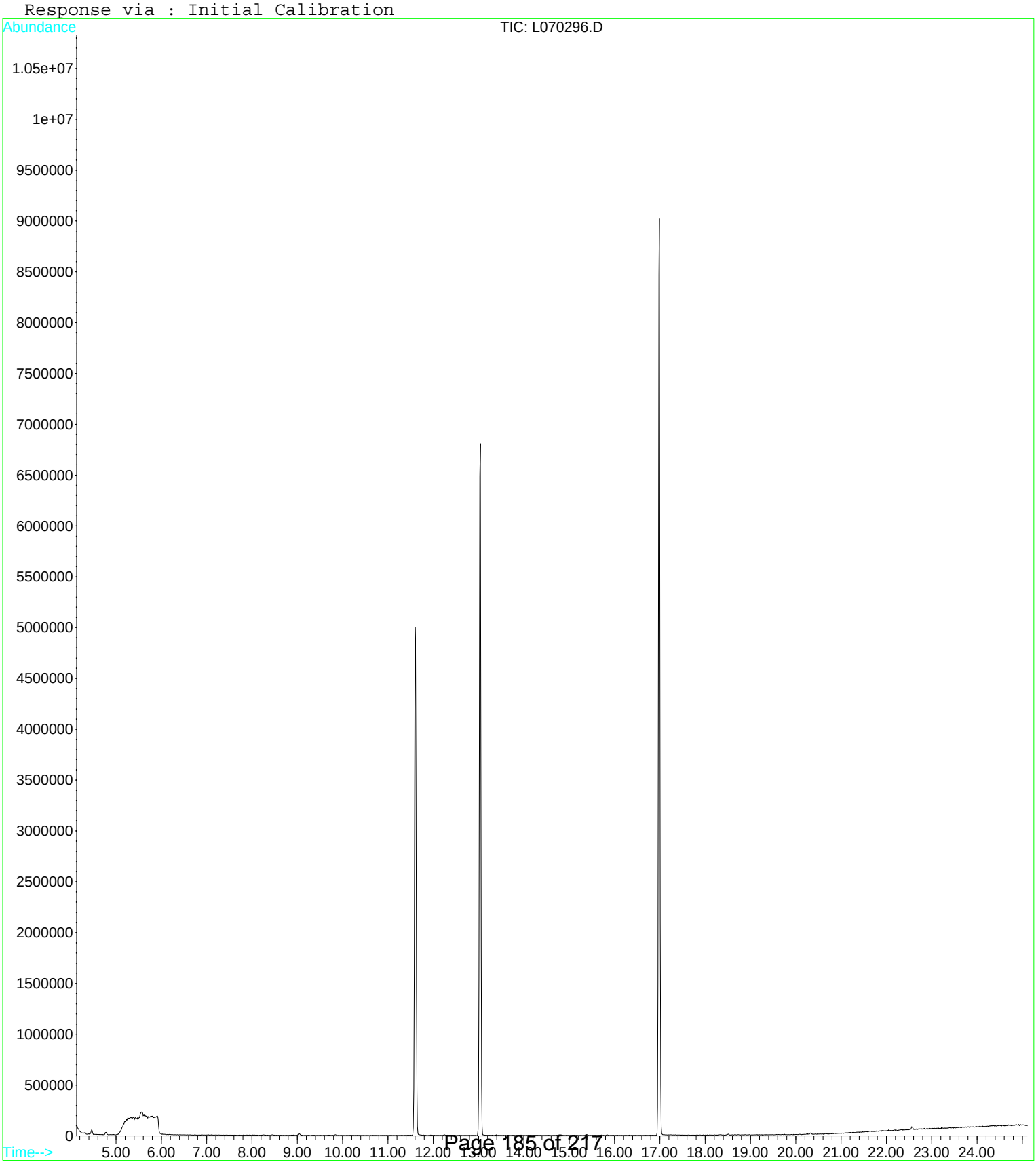
Average of 18.491 to 18.511 min.: L070291.D
bfb
Modified:subtracted

m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
186.10	93						

Quantitation Report

Data File : M:\MS2007Q3\LURCH\DATA\JUL07\07-11-07\L070296.D Vial: 6
Acq On : 11 Jul 2007 12:42 pm Operator: lag
Sample : system blank, 500mL Inst : Lurch
Misc : Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Jul 12 12:38 2007 Quant Results File: TO1415.RES

Method : M:\MS2007Q1\LURCH\METHODS\TO1415.M (RTE Integrator)
Title : TO14
Last Update : Tue Apr 17 17:01:10 2007
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data File : M:\MS2007Q3\LURCH\DATA\JUL07\07-11-07\L070296.D Vial: 6
Acq On : 11 Jul 2007 12:42 pm Operator: lag
Sample : system blank, 500mL Inst : Lurch
Misc : Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Jul 12 12:38 2007 Quant Results File: TO1415.RES

Quant Method : M:\MS2007Q1\L...\TO1415.M (RTE Integrator)
Title : TO14
Last Update : Tue Apr 17 17:01:10 2007
Response via : Initial Calibration
DataAcq Meth : MM-624C

Internal Standards	R.T.	QIon	Response	Conc Units	Dev(Min)
1) Bromochloromethane (IS)	11.61	130	1892835	20.20 PPBV	0.00
31) 1,4-Difluorobenzene (IS)	13.04	114	7235101	20.00 PPBV	0.00
45) Chlorobenzene-d5 (IS)	16.99	117	6443988	20.40 PPBV	0.00

Target Compounds					Qvalue
2) propylene	0.00	41	0	N.D.	
3) Freon12(CCl2F2)	0.00	85	0	N.D.	d
4) Chloromethane	0.00	50	0	N.D.	
5) Freon 114 (C2Cl2F4)	0.00	85	0	N.D.	
6) Chloroethene	0.00	62	0	N.D.	
7) 1,3-Butadiene	0.00	39	0	N.D.	d
8) Bromomethane	0.00	94	0	N.D.	
9) Chloroethane	0.00	64	0	N.D.	
10) Bromoethene	0.00	106	0	N.D.	
11) Acetone	0.00	43	0	N.D.	d
12) Freon 11 (CCl3F)	0.00	101	0	N.D.	
13) Isopropyl alcohol	0.00	45	0	N.D.	
14) 1,1-Dichloroethene	0.00	61	0	N.D.	
15) Methylene chloride	0.00	49	0	N.D.	d
16) Allyl chloride	0.00	76	0	N.D.	
17) Freon 113 (C2Cl3F3)	0.00	151	0	N.D.	
18) Carbon disulfide	0.00	76	0	N.D.	d
19) trans-1,2-Dichloroethene	0.00	61	0	N.D.	
20) 1,1-Dichloroethane	0.00	63	0	N.D.	
21) Methyl tert-butyl ether	0.00	73	0	N.D.	
22) Vinyl acetate	0.00	43	0	N.D.	
23) Methyl ethyl ketone (2-But	0.00	72	0	N.D.	
24) cis-1,2-Dichloroethylene	0.00	61	0	N.D.	
25) Hexane	0.00	57	0	N.D.	
26) Ethyl acetate	0.00	45	0	N.D.	
27) Chloroform	0.00	83	0	N.D.	
28) Tetrahydrofuran	0.00	72	0	N.D.	
29) 1,2-Dichloroethane	0.00	62	0	N.D.	
30) 1,1,1-Trichloroethane	0.00	97	0	N.D.	d
32) Benzene	0.00	78	0	N.D.	
33) Carbon tetrachloride	0.00	117	0	N.D.	
34) Cyclohexane	0.00	56	0	N.D.	
35) 1,2-Dichloropropane	0.00	63	0	N.D.	
36) Bromodichloromethane	0.00	83	0	N.D.	
37) 2,2,4-Trimethylpentane	0.00	57	0	N.D.	
38) Trichloroethene	0.00	130	0	N.D.	
39) 1,4-Dioxane	0.00	88	0	N.D.	
40) Heptane	0.00	57	0	N.D.	
41) cis-1,3-Dichloropropene	0.00	75	0	N.D.	
42) Methyl isobutyl ketone	0.00	43	0	N.D.	
43) trans-1,3-Dichloropropene	0.00	75	0	N.D.	
44) 1,1,2-Trichloroethane	0.00	97	0	N.D.	
46) Toluene	0.00	91	0	N.D.	
47) 2-Hexanone Methyl butyl ke	0.00	43	0	N.D.	
48) Dibromochloromethane	0.00	129	0	N.D.	
49) 1,2-Dibromoethane	0.00	107	0	N.D.	
50) Tetrachloroethene	0.00	166	0	N.D.	
51) Chlorobenzene	0.00	112	0	N.D.	
52) Ethylbenzene	0.00	91	0	N.D.	
53) m-/p-Xylenes	0.00	91	0	N.D.	
54) Bromoform	0.00	173	0	N.D.	
55) Styrene	0.00	104	0	N.D.	
56) o-Xylene	0.00	91	0	N.D.	

(#) = qualifier out of range (m) = manual integration
L070296.D TO1415.M Thu Jul 12 12:38:06 2007 Page 1

Quantitation Report (QT Reviewed)

Data File : M:\MS2007Q3\LURCH\DATA\JUL07\07-11-07\L070296.D Vial: 6
Acq On : 11 Jul 2007 12:42 pm Operator: lag
Sample : system blank, 500mL Inst : Lurch
Misc : Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Jul 12 12:38 2007 Quant Results File: TO1415.RES

Quant Method : M:\MS2007Q1\L...\TO1415.M (RTE Integrator)
Title : TO14
Last Update : Tue Apr 17 17:01:10 2007
Response via : Initial Calibration
DataAcq Meth : MM-624C

	Compound	R.T.	QIon	Response	Conc Unit	Qvalue
57)	1,1,2,2,-Tetrachloroethane	0.00	83	0	N.D.	
58)	4-Ethyltoluene	0.00	105	0	N.D.	
59)	1,3,5-Trimethylbenzene	0.00	105	0	N.D.	
60)	1,2,4-Trimethylbenzene	0.00	105	0	N.D.	
61)	Benzyl chloride	0.00	91	0	N.D.	
62)	1,3-Dichlorobenzene	0.00	146	0	N.D.	
63)	1,4-Dichlorobenzene	0.00	146	0	N.D.	
64)	1,2-Dichlorobenzene	0.00	146	0	N.D.	
65)	1,2,4-Trichlorobenzene	0.00	180	0	N.D.	
66)	Hexachlorobutadiene	0.00	225	0	N.D.	

(#) = qualifier out of range (m) = manual integration
L070296.D TO1415.M Thu Jul 12 12:38:07 2007 Page 2

Tentatively Identified Compound (LSC) summary

Operator ID: lag Date Acquired: 11 Jul 2007 12:42 pm
Data File: M:\MS2007Q3\LURCH\DATA\JUL07\07-11-07\L070296.D
Name: system blank, 500mL
Misc:
Method: M:\MS2007Q1\LURCH\METHODS\TO1415.M (RTE Integrator)
Title: TO14
Library Searched: C:\DATABASE\NIST98.L

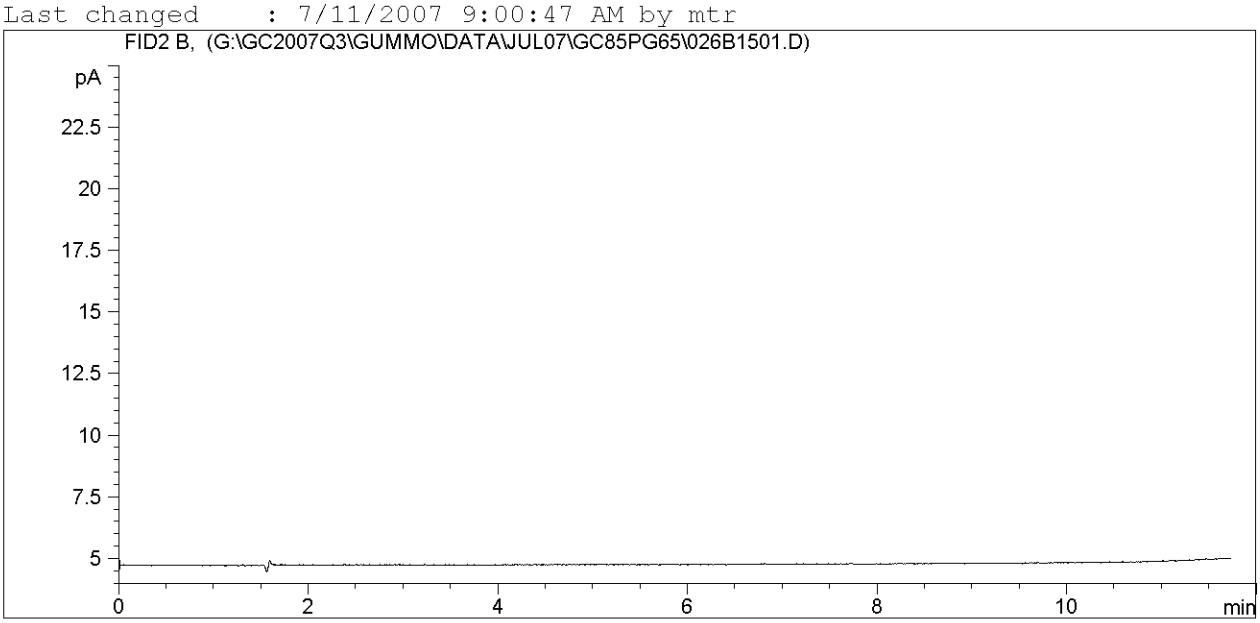
TIC Top Hit name	RT	EstConc	Units	Area	IntStd	ISRT	ISArea	ISConc

L070296.D TO1415.M Thu Jul 12 12:40:16 2007

Sample Chromatograms

0707-03
#1433

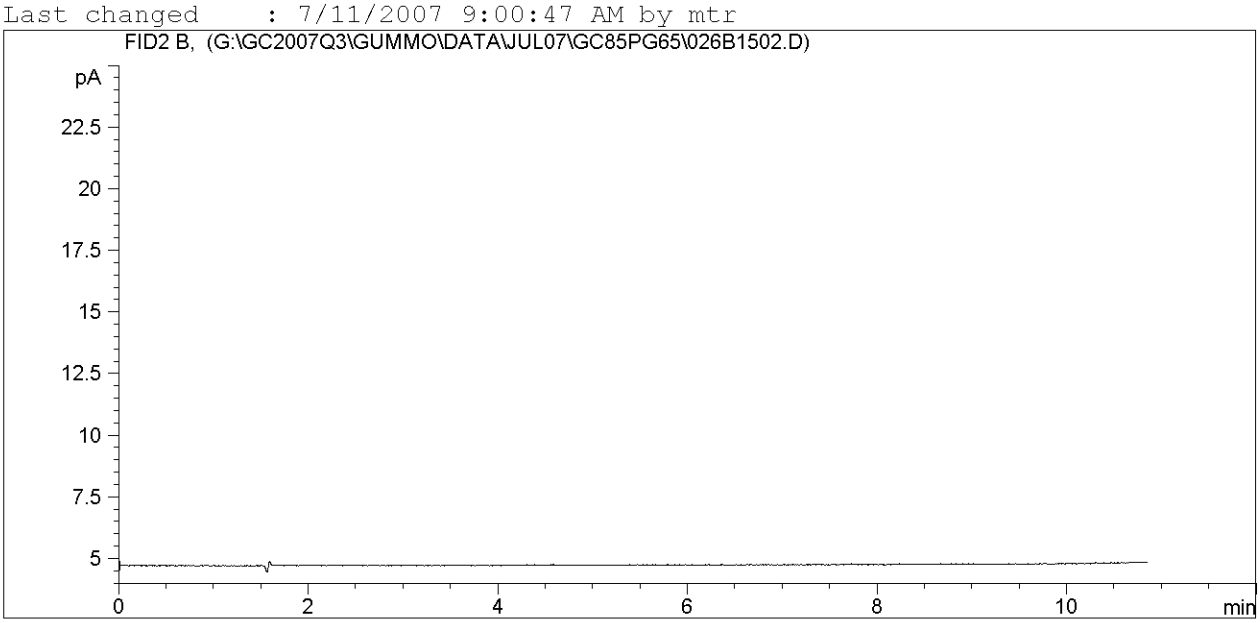
```
================================================================================
Injection Date  : 7/10/2007 11:04:25 AM          Seq. Line :  15
Sample Name     : WSP-01                          Location : Vial 26
Acq. Operator   : mtr                                 Inj :   1
Acq. Instrument : Gummo                        Inj Volume : External
Acq. Method     : G:\GC2007Q1\GUMMO\METHODS\HRVOC5.M
Last changed    : 6/26/2007 3:48:38 PM by mtr
Analysis Method : G:\GC2007Q2\GUMMO\METHODS\0707-03A.M
Last changed    : 7/11/2007 9:00:47 AM by mtr
```




```
================================================================================
                        External Standard Report
================================================================================

Sorted By             :      Signal
Calib. Data Modified  :      Wednesday, July 11, 2007 9:00:46 AM
Multiplier            :      1.0000
Dilution              :      1.0000
Use Multiplier & Dilution Factor with ISTDs

Signal 1: FID2 B,

RetTime  Type     Area      Amt/Area    Amount   Grp   Name
 [min]          [pA*s]                  [ppm]
-------|------|----------|----------|----------|--|-----------------
  1.593           -          -          -         Methane

Totals :                                0.00000

 Results obtained with enhanced integrator!
1 Warnings or Errors :

Warning : Calibrated compound(s) not found

================================================================================
```

0707-03
#1433

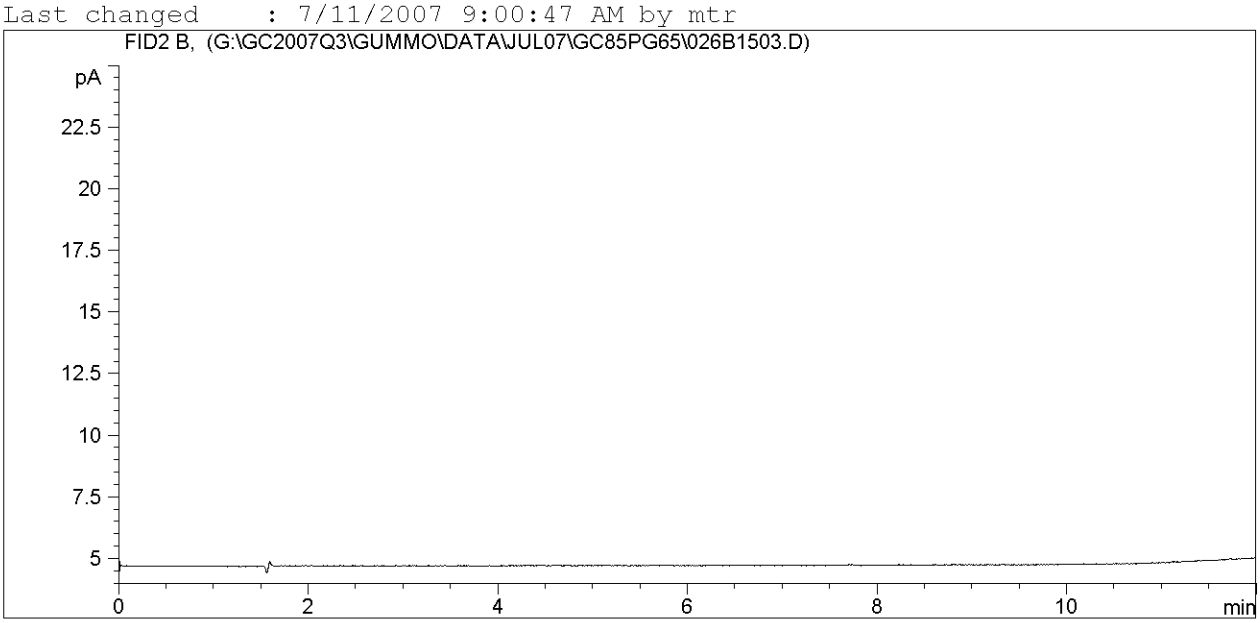
```
================================================================================
Injection Date  : 7/10/2007 11:25:26 AM          Seq. Line :  15
Sample Name     : WSP-01                          Location : Vial 26
Acq. Operator   : mtr                                 Inj :   2
Acq. Instrument : Gummo                         Inj Volume : External
Acq. Method     : G:\GC2007Q1\GUMMO\METHODS\HRVOC5.M
Last changed    : 6/26/2007 3:48:38 PM by mtr
Analysis Method : G:\GC2007Q2\GUMMO\METHODS\0707-03A.M
Last changed    : 7/11/2007 9:00:47 AM by mtr
```




```
================================================================================
                        External Standard Report
================================================================================

Sorted By             :      Signal
Calib. Data Modified  :      Wednesday, July 11, 2007 9:00:46 AM
Multiplier            :      1.0000
Dilution              :      1.0000
Use Multiplier & Dilution Factor with ISTDs

Signal 1: FID2 B,

RetTime  Type     Area      Amt/Area    Amount   Grp   Name
 [min]          [pA*s]                  [ppm]
-------|------|----------|----------|----------|--|-----------------
  1.593           -          -          -         Methane

Totals :                                0.00000

 Results obtained with enhanced integrator!
1 Warnings or Errors :

Warning : Calibrated compound(s) not found

================================================================================
```

0707-03
#1433

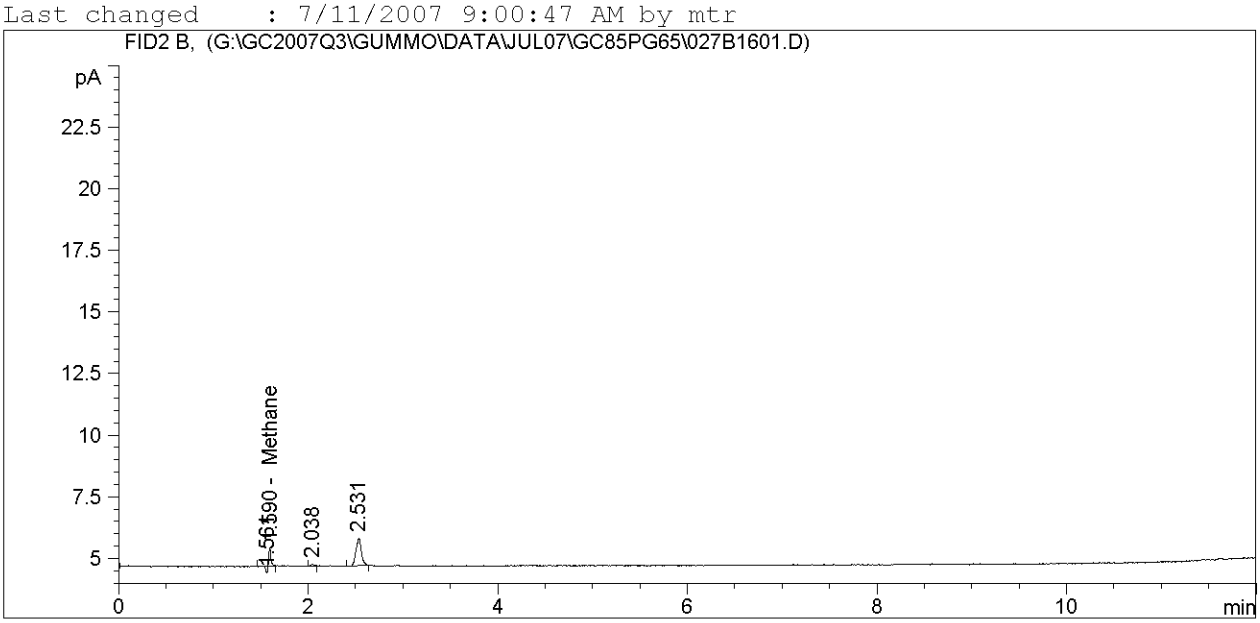
```
================================================================================
Injection Date  : 7/10/2007 11:44:27 AM          Seq. Line :  15
Sample Name     : WSP-01                          Location : Vial 26
Acq. Operator   : mtr                                 Inj :   3
Acq. Instrument : Gummo                         Inj Volume : External
Acq. Method     : G:\GC2007Q1\GUMMO\METHODS\HRVOC5.M
Last changed    : 6/26/2007 3:48:38 PM by mtr
Analysis Method : G:\GC2007Q2\GUMMO\METHODS\0707-03A.M
Last changed    : 7/11/2007 9:00:47 AM by mtr
```




```
================================================================================
                        External Standard Report
================================================================================

Sorted By             :      Signal
Calib. Data Modified  :      Wednesday, July 11, 2007 9:00:46 AM
Multiplier            :      1.0000
Dilution              :      1.0000
Use Multiplier & Dilution Factor with ISTDs

Signal 1: FID2 B,

RetTime  Type     Area      Amt/Area    Amount   Grp   Name
 [min]          [pA*s]                 [ppm]
-------|------|----------|----------|----------|--|-----------------
  1.593           -          -          -         Methane

Totals :                                0.00000

 Results obtained with enhanced integrator!
1 Warnings or Errors :

Warning : Calibrated compound(s) not found

================================================================================
```

0707-03
#1340

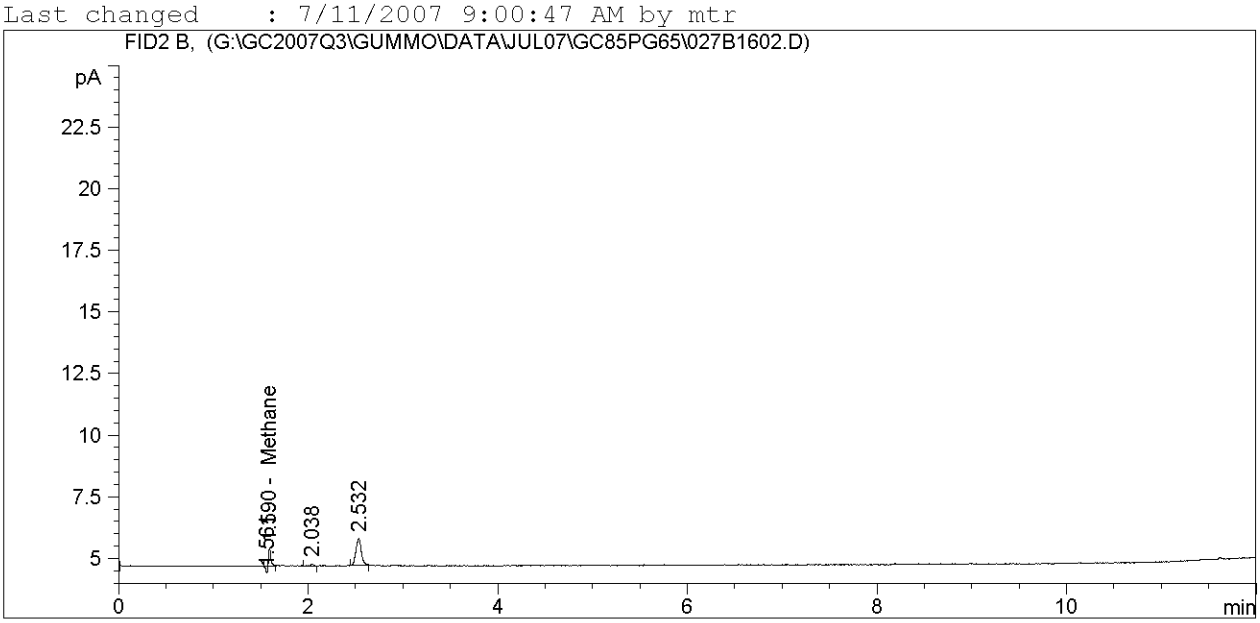
```
================================================================================
Injection Date  : 7/10/2007 12:03:32 PM          Seq. Line :  16
Sample Name     : WSP-02                          Location : Vial 27
Acq. Operator   : mtr                                 Inj :   1
Acq. Instrument : Gummo                        Inj Volume : External
Acq. Method     : G:\GC2007Q1\GUMMO\METHODS\HRVOC5.M
Last changed    : 6/26/2007 3:48:38 PM by mtr
Analysis Method : G:\GC2007Q2\GUMMO\METHODS\0707-03A.M
Last changed    : 7/11/2007 9:00:47 AM by mtr
```




```
================================================================================
                        External Standard Report
================================================================================

Sorted By             :      Signal
Calib. Data Modified  :      Wednesday, July 11, 2007 9:00:46 AM
Multiplier            :      1.0000
Dilution              :      1.0000
Use Multiplier & Dilution Factor with ISTDs

Signal 1: FID2 B,

RetTime  Type     Area      Amt/Area    Amount   Grp   Name
 [min]          [pA*s]                  [ppm]
-------|------|----------|----------|----------|--|-----------------
  1.590 PB        1.10076    3.22195    3.54658    Methane

Totals :                                3.54658

 Results obtained with enhanced integrator!
================================================================================
                          *** End of Report ***
```

0707-03
#1340

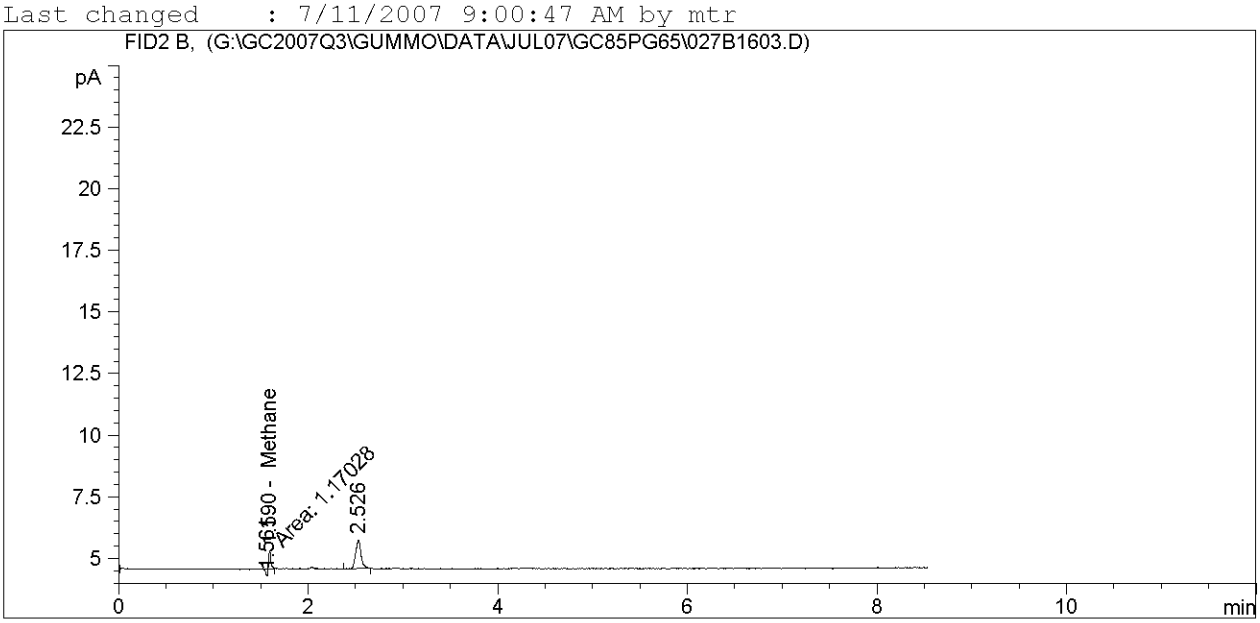
```
================================================================================
Injection Date  : 7/10/2007 12:21:43 PM          Seq. Line :  16
Sample Name     : WSP-02                          Location : Vial 27
Acq. Operator   : mtr                                 Inj :   2
Acq. Instrument : Gummo                        Inj Volume : External
Acq. Method     : G:\GC2007Q1\GUMMO\METHODS\HRVOC5.M
Last changed    : 6/26/2007 3:48:38 PM by mtr
Analysis Method : G:\GC2007Q2\GUMMO\METHODS\0707-03A.M
Last changed    : 7/11/2007 9:00:47 AM by mtr
```




```
================================================================================
                        External Standard Report
================================================================================

Sorted By             :      Signal
Calib. Data Modified  :      Wednesday, July 11, 2007 9:00:46 AM
Multiplier            :      1.0000
Dilution              :      1.0000
Use Multiplier & Dilution Factor with ISTDs

Signal 1: FID2 B,

RetTime  Type     Area      Amt/Area    Amount   Grp   Name
 [min]          [pA*s]                 [ppm]
-------|------|----------|----------|----------|--|-----------------
  1.590 PB        1.17159    3.21408    3.76559    Methane

Totals :                                3.76559

 Results obtained with enhanced integrator!
================================================================================
                          *** End of Report ***
```

0707-03
#1340

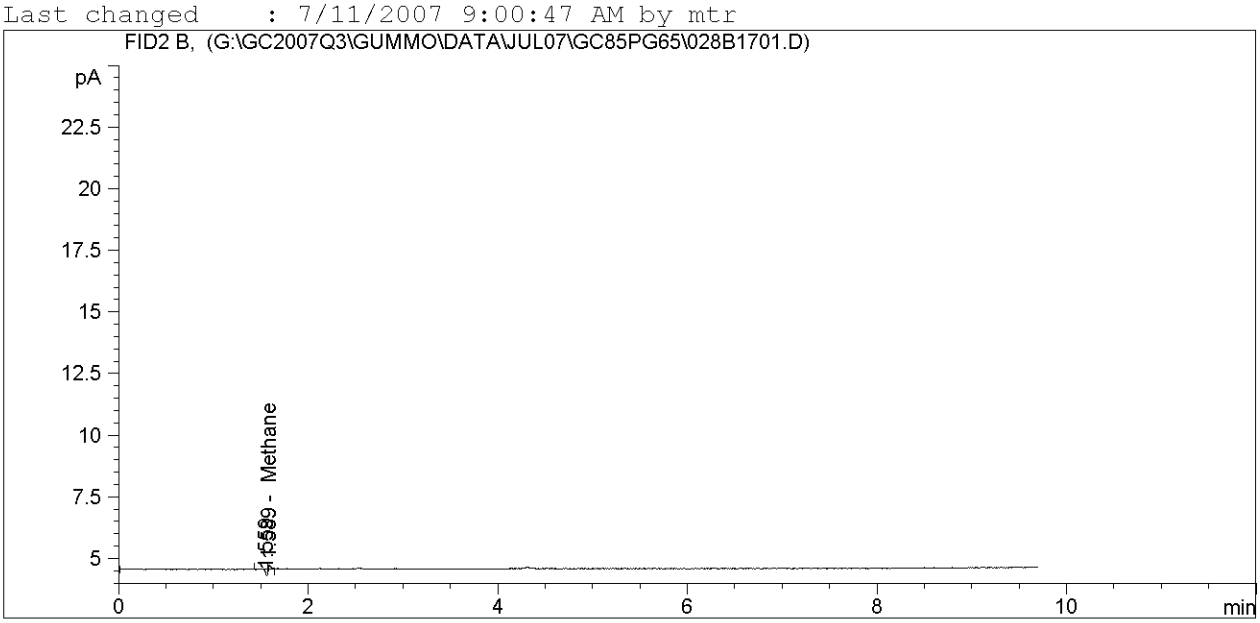
```
================================================================================
Injection Date  : 7/10/2007 1:47:47 PM          Seq. Line :  16
Sample Name     : WSP-02                         Location : Vial 27
Acq. Operator   : mtr                                Inj :   3
Acq. Instrument : Gummo                       Inj Volume : External
Acq. Method     : G:\GC2007Q1\GUMMO\METHODS\HRVOC5.M
Last changed    : 6/26/2007 3:48:38 PM by mtr
Analysis Method : G:\GC2007Q2\GUMMO\METHODS\0707-03A.M
Last changed    : 7/11/2007 9:00:47 AM by mtr
```




```
================================================================================
                        External Standard Report
================================================================================

Sorted By             :      Signal
Calib. Data Modified  :      Wednesday, July 11, 2007 9:00:46 AM
Multiplier            :      1.0000
Dilution              :      1.0000
Use Multiplier & Dilution Factor with ISTDs

Signal 1: FID2 B,

RetTime  Type     Area     Amt/Area    Amount   Grp   Name
 [min]          [pA*s]                 [ppm]
-------|------|----------|----------|----------|--|------------------
  1.590 MF        1.17028    3.21422    3.76153    Methane Manual Integration (MTR)

Totals :                                3.76153

 Results obtained with enhanced integrator!
================================================================================
                          *** End of Report ***
```

0707-03
~~#4020~~ #1020

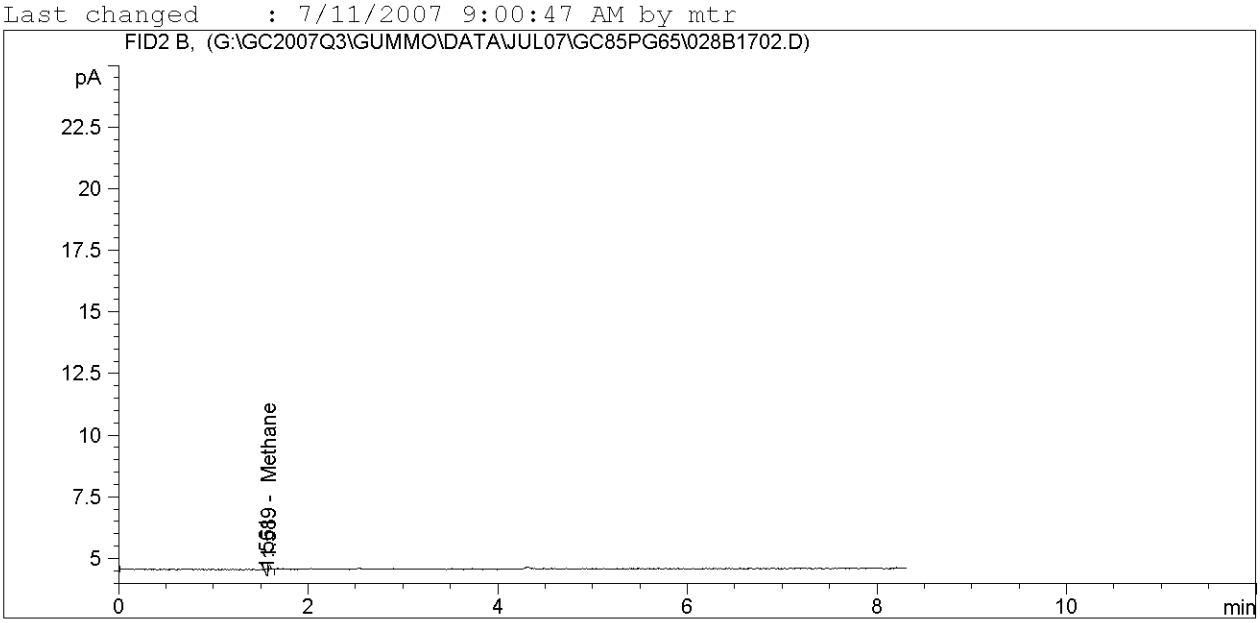
```
================================================================================
Injection Date  : 7/10/2007 2:05:48 PM          Seq. Line :  17
Sample Name     : WSP-BG                         Location : Vial 28
Acq. Operator   : mtr                               Inj :   1
Acq. Instrument : Gummo                      Inj Volume : External
Acq. Method     : G:\GC2007Q1\GUMMO\METHODS\HRVOC5.M
Last changed    : 6/26/2007 3:48:38 PM by mtr
Analysis Method : G:\GC2007Q2\GUMMO\METHODS\0707-03A.M
Last changed    : 7/11/2007 9:00:47 AM by mtr
```




```
================================================================================
                        External Standard Report
================================================================================

Sorted By             :      Signal
Calib. Data Modified  :      Wednesday, July 11, 2007 9:00:46 AM
Multiplier            :      1.0000
Dilution              :      1.0000
Use Multiplier & Dilution Factor with ISTDs

Signal 1: FID2 B,

RetTime  Type     Area      Amt/Area    Amount   Grp   Name
 [min]          [pA*s]                  [ppm]
-------|------|----------|----------|----------|--|-----------------
  1.589 PB     2.54018e-1    3.24686 8.24763e-1    Methane

Totals :                               8.24763e-1

 Results obtained with enhanced integrator!
================================================================================
                          *** End of Report ***
```

0707-03
~~#4020~~ #1020

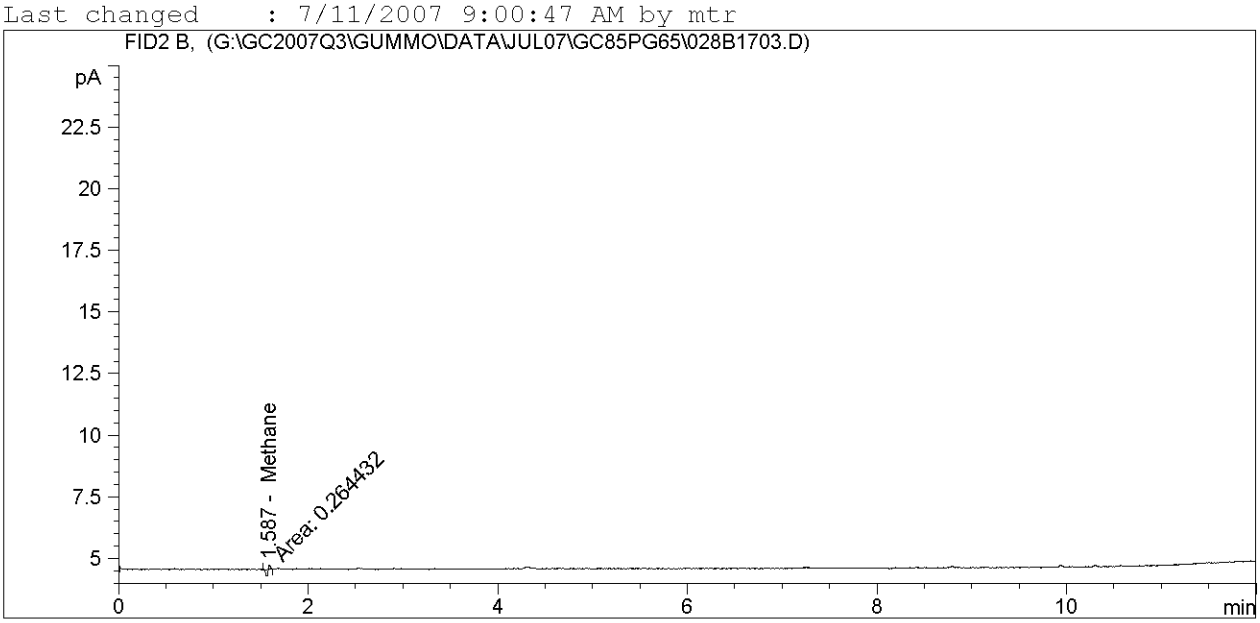
```
================================================================================
Injection Date  : 7/10/2007 2:19:53 PM          Seq. Line :  17
Sample Name     : WSP-BG                         Location : Vial 28
Acq. Operator   : mtr                               Inj :   2
Acq. Instrument : Gummo                       Inj Volume : External
Acq. Method     : G:\GC2007Q1\GUMMO\METHODS\HRVOC5.M
Last changed    : 6/26/2007 3:48:38 PM by mtr
Analysis Method : G:\GC2007Q2\GUMMO\METHODS\0707-03A.M
Last changed    : 7/11/2007 9:00:47 AM by mtr
```




```
================================================================================
                        External Standard Report
================================================================================

Sorted By             :      Signal
Calib. Data Modified  :      Wednesday, July 11, 2007 9:00:46 AM
Multiplier            :      1.0000
Dilution              :      1.0000
Use Multiplier & Dilution Factor with ISTDs

Signal 1: FID2 B,

RetTime  Type     Area      Amt/Area    Amount   Grp   Name
 [min]          [pA*s]                  [ppm]
-------|------|----------|----------|----------|--|-----------------
  1.589 PB     2.62512e-1    3.24686 8.52340e-1    Methane

Totals :                               8.52340e-1

 Results obtained with enhanced integrator!
================================================================================
                          *** End of Report ***
```

0707-03
~~#1020~~ #1020

```
================================================================================
Injection Date  : 7/10/2007 2:32:24 PM          Seq. Line :  17
Sample Name     : WSP-BG                         Location : Vial 28
Acq. Operator   : mtr                               Inj :   3
Acq. Instrument : Gummo                      Inj Volume : External
Acq. Method     : G:\GC2007Q1\GUMMO\METHODS\HRVOC5.M
Last changed    : 6/26/2007 3:48:38 PM by mtr
Analysis Method : G:\GC2007Q2\GUMMO\METHODS\0707-03A.M
Last changed    : 7/11/2007 9:00:47 AM by mtr
```




```
================================================================================
                        External Standard Report
================================================================================

Sorted By             :      Signal
Calib. Data Modified  :      Wednesday, July 11, 2007 9:00:46 AM
Multiplier            :      1.0000
Dilution              :      1.0000
Use Multiplier & Dilution Factor with ISTDs

Signal 1: FID2 B,

RetTime  Type     Area      Amt/Area    Amount   Grp   Name
 [min]          [pA*s]                  [ppm]
-------|------|----------|----------|----------|--|-----------------
  1.587 MM     2.64432e-1    3.24686 8.58575e-1    Methane

Totals :                               8.58575e-1

 Results obtained with enhanced integrator!
================================================================================
                          *** End of Report ***
```

Curve(s)/QA Point(s) Chromatograms

Method G:\GC2007Q2\GUMMO\METHODS\0707-03A.M

Calibration Table

Calib. Data Modified : 7/11/2007 9:01:31 AM

Calculate : External Standard
Based on : Peak Area

Rel. Reference Window : 5.000 %
Abs. Reference Window : 0.000 min
Rel. Non-ref. Window : 5.000 %
Abs. Non-ref. Window : 0.000 min
Use Multiplier & Dilution Factor with ISTDs
Uncalibrated Peaks : not reported
Partial Calibration : Yes, identified peaks are recalibrated
Correct All Ret. Times: No, only for identified peaks

Curve Type : Linear
Origin : Connected
Weight : Linear (Amnt)

Recalibration Settings:
Average Response : Average all calibrations
Average Retention Time: Floating Average New 75%

Calibration Report Options :
Printout of recalibrations within a sequence:
Calibration Table after Recalibration
Normal Report after Recalibration
If the sequence is done with bracketing:
Results of first cycle (ending previous bracket)

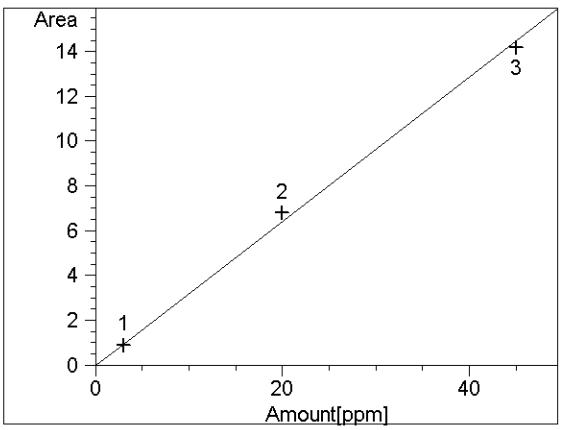
Signal 1: FID2 B,

RetTime [min]	Sig	Lvl	Amount [ppm]	Area	Amt/Area	Ref	Grp	Name
1.593	1	1	3.00000	8.91304e-1	3.36585			Methane
		2	20.00000	6.78831	2.94624			
		3	45.00000	14.17529	3.17454			

Peak Sum Table

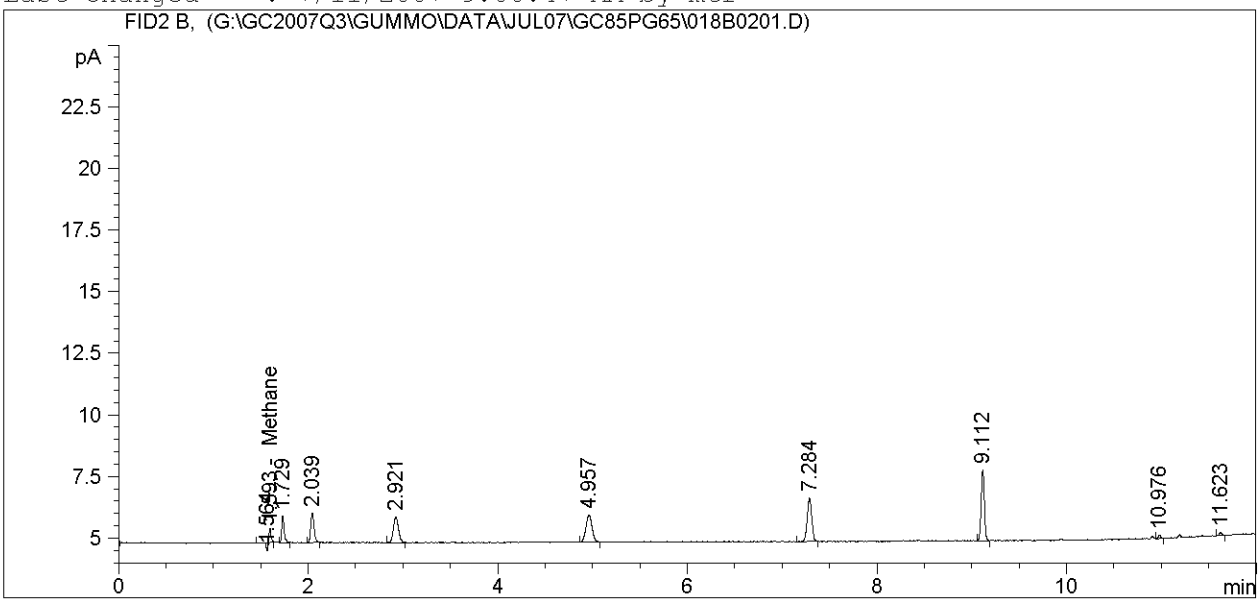
No Entries in table

Calibration Curves



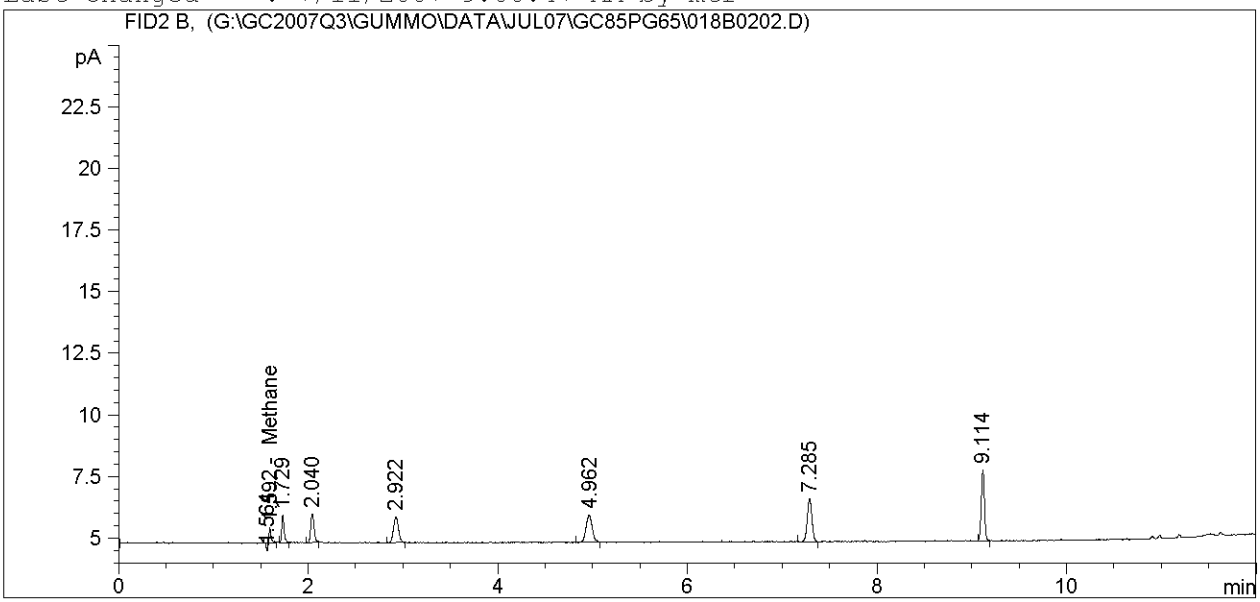
Methane at exp. RT: 1.593
FID2 B,
Correlation: 0.99901
Residual Std. Dev.: 0.49590
Formula: y = mx + b
m: 3.23441e-1
b: -4.63525e-2
x: Amount[ppm]
y: Area
Calibration Level Weights:
Level 1 : 1
Level 2 : 0.15
Level 3 : 0.066667

```
==========================================================================
Injection Date  : 7/9/2007 7:17:29 PM          Seq. Line :   2
Sample Name     : gc85pg65 #1R                  Location : Vial 18
Acq. Operator   : mtr                              Inj :   1
Acq. Instrument : Gummo                      Inj Volume : External
Acq. Method     : G:\GC2007Q1\GUMMO\METHODS\HRVOC5.M
Last changed    : 6/26/2007 3:48:38 PM by mtr
Analysis Method : G:\GC2007Q2\GUMMO\METHODS\0707-03A.M
Last changed    : 7/11/2007 9:00:47 AM by mtr
```



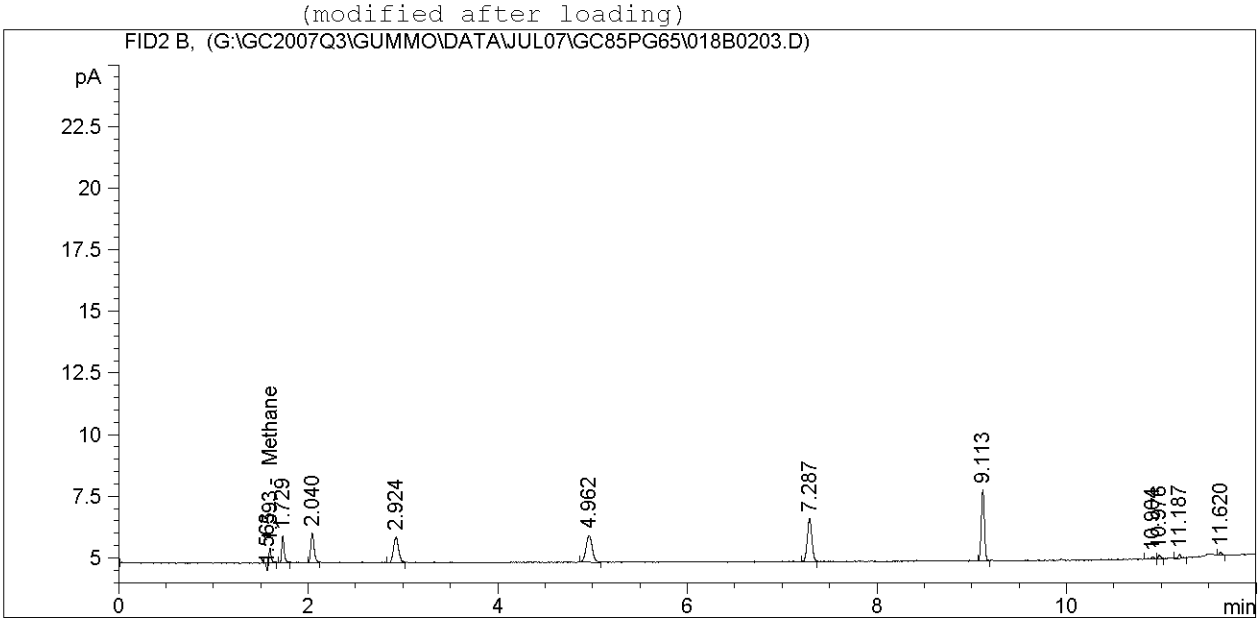

```
==========================================================================
                        External Standard Report
==========================================================================

Sorted By             :      Signal
Calib. Data Modified  :      Wednesday, July 11, 2007 9:00:46 AM
Multiplier            :      1.0000
Dilution              :      1.0000
Use Multiplier & Dilution Factor with ISTDs

Signal 1: FID2 B,

RetTime  Type     Area      Amt/Area    Amount   Grp   Name
 [min]          [pA*s]                 [ppm]
-------|------|----------|----------|----------|--|------------------
  1.593 PV     8.66486e-1    3.24686    2.81336    Methane

Totals :                                2.81336

 Results obtained with enhanced integrator!
==========================================================================
                          *** End of Report ***
```

```
================================================================================
Injection Date  : 7/9/2007 7:37:09 PM           Seq. Line :   2
Sample Name     : gc85pg65 #1R                   Location : Vial 18
Acq. Operator   : mtr                               Inj :   2
Acq. Instrument : Gummo                      Inj Volume : External
Acq. Method     : G:\GC2007Q1\GUMMO\METHODS\HRVOC5.M
Last changed    : 6/26/2007 3:48:38 PM by mtr
Analysis Method : G:\GC2007Q2\GUMMO\METHODS\0707-03A.M
Last changed    : 7/11/2007 9:00:47 AM by mtr
```



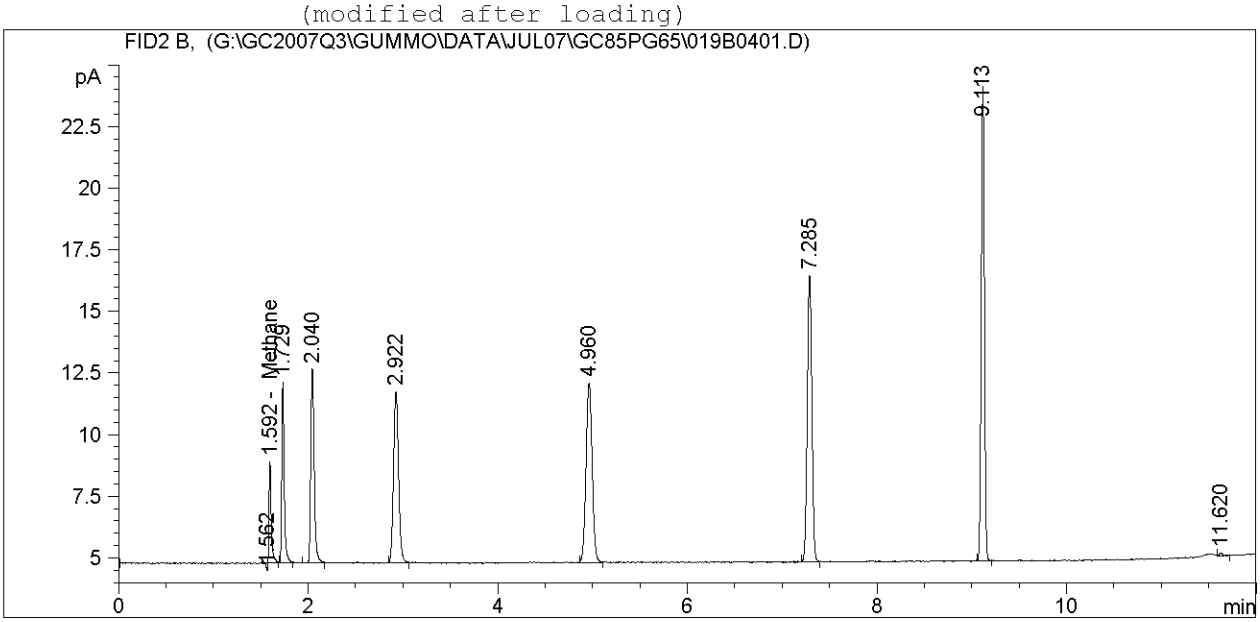

```
================================================================================
                        External Standard Report
================================================================================

Sorted By             :      Signal
Calib. Data Modified  :      Wednesday, July 11, 2007 9:00:46 AM
Multiplier            :      1.0000
Dilution              :      1.0000
Use Multiplier & Dilution Factor with ISTDs

Signal 1: FID2 B,

RetTime  Type     Area      Amt/Area    Amount   Grp   Name
 [min]          [pA*s]                 [ppm]
-------|------|----------|----------|----------|--|------------------
  1.592 PB     8.94504e-1    3.24686    2.90433    Methane

Totals :                                2.90433

 Results obtained with enhanced integrator!
================================================================================
                          *** End of Report ***
```

```
================================================================================
Injection Date  : 7/9/2007 7:56:48 PM          Seq. Line :   2
Sample Name     : gc85pg65 #1R                  Location : Vial 18
Acq. Operator   : mtr                              Inj :   3
Acq. Instrument : Gummo                      Inj Volume : External
Acq. Method     : G:\GC2007Q1\GUMMO\METHODS\HRVOC5.M
Last changed    : 6/26/2007 3:48:38 PM by mtr
Analysis Method : G:\GC2007Q2\GUMMO\METHODS\0707-03A.M
Last changed    : 7/11/2007 9:01:31 AM by mtr
                  (modified after loading)
```



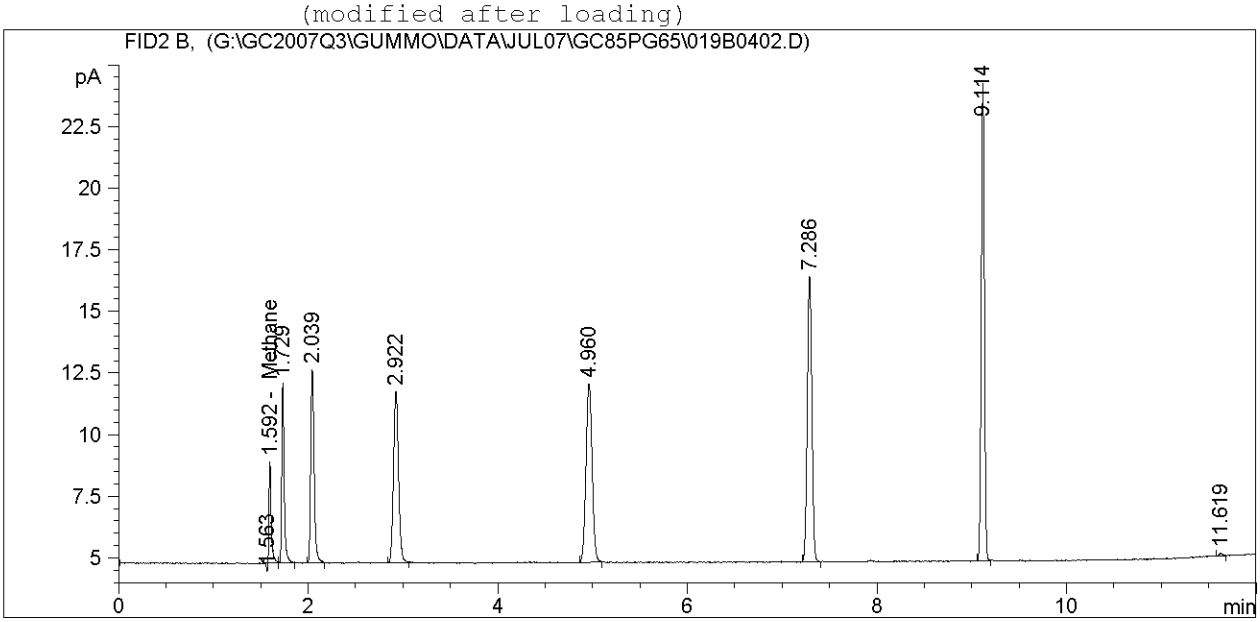

```
================================================================================
                        External Standard Report
================================================================================

Sorted By             :      Signal
Calib. Data Modified  :      7/11/2007 9:01:31 AM
Multiplier            :      1.0000
Dilution              :      1.0000
Use Multiplier & Dilution Factor with ISTDs

Signal 1: FID2 B,

RetTime  Type     Area      Amt/Area    Amount   Grp   Name
 [min]          [pA*s]                  [ppm]
-------|------|----------|----------|----------|--|------------------
  1.593 PB     9.12923e-1    3.24686    2.96413    Methane

Totals :                                 2.96413

 Results obtained with enhanced integrator!
================================================================================
                           *** End of Report ***
```

```
==========================================================================
Injection Date  : 7/9/2007 8:36:10 PM          Seq. Line :   4
Sample Name     : gc85pg65 #2R                  Location : Vial 19
Acq. Operator   : mtr                              Inj :   1
Acq. Instrument : Gummo                      Inj Volume : External
Acq. Method     : G:\GC2007Q1\GUMMO\METHODS\HRVOC5.M
Last changed    : 6/26/2007 3:48:38 PM by mtr
Analysis Method : G:\GC2007Q2\GUMMO\METHODS\0707-03A.M
Last changed    : 7/11/2007 9:01:31 AM by mtr
                  (modified after loading)
```



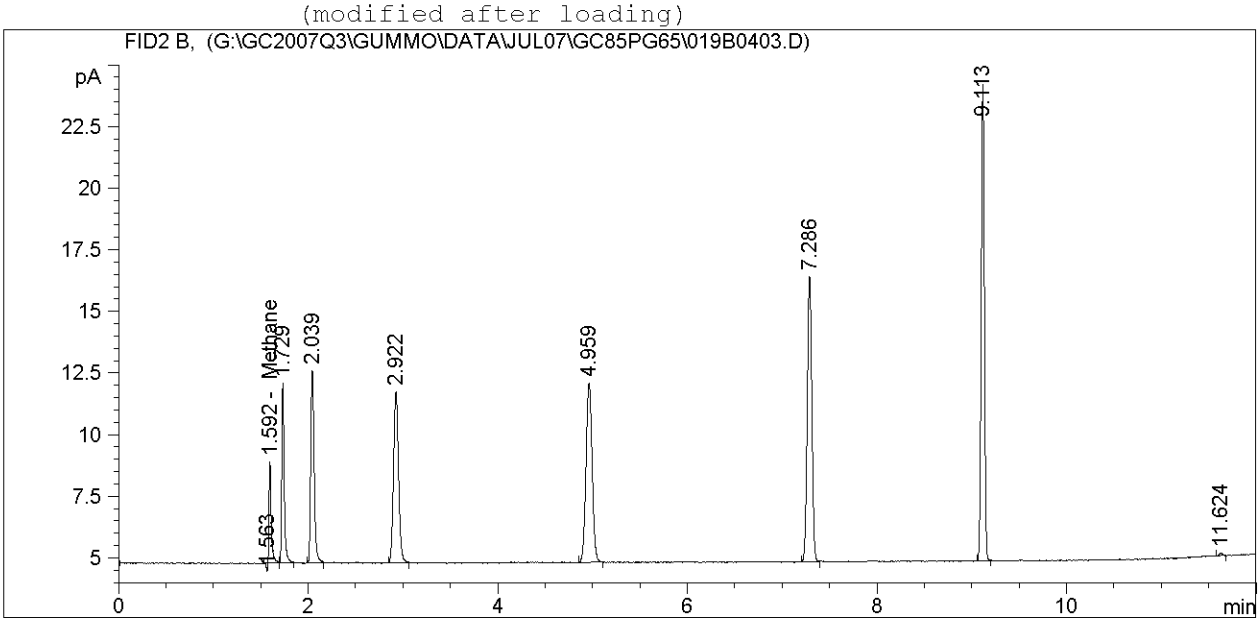

```
==========================================================================
                        External Standard Report
==========================================================================

Sorted By             :      Signal
Calib. Data Modified  :      7/11/2007 9:01:31 AM
Multiplier            :      1.0000
Dilution              :      1.0000
Use Multiplier & Dilution Factor with ISTDs

Signal 1: FID2 B,

RetTime  Type     Area      Amt/Area    Amount   Grp   Name
 [min]          [pA*s]                 [ppm]
-------|------|----------|----------|----------|--|------------------
  1.592 PB        6.80806    3.11281   21.19220    Methane

Totals :                                21.19220

 Results obtained with enhanced integrator!
==========================================================================
                          *** End of Report ***
```

```
==========================================================================
Injection Date  : 7/9/2007 8:55:51 PM          Seq. Line :   4
Sample Name     : gc85pg65 #2R                  Location : Vial 19
Acq. Operator   : mtr                              Inj :   2
Acq. Instrument : Gummo                     Inj Volume : External
Acq. Method     : G:\GC2007Q1\GUMMO\METHODS\HRVOC5.M
Last changed    : 6/26/2007 3:48:38 PM by mtr
Analysis Method : G:\GC2007Q2\GUMMO\METHODS\0707-03A.M
Last changed    : 7/11/2007 9:01:31 AM by mtr
                  (modified after loading)
```



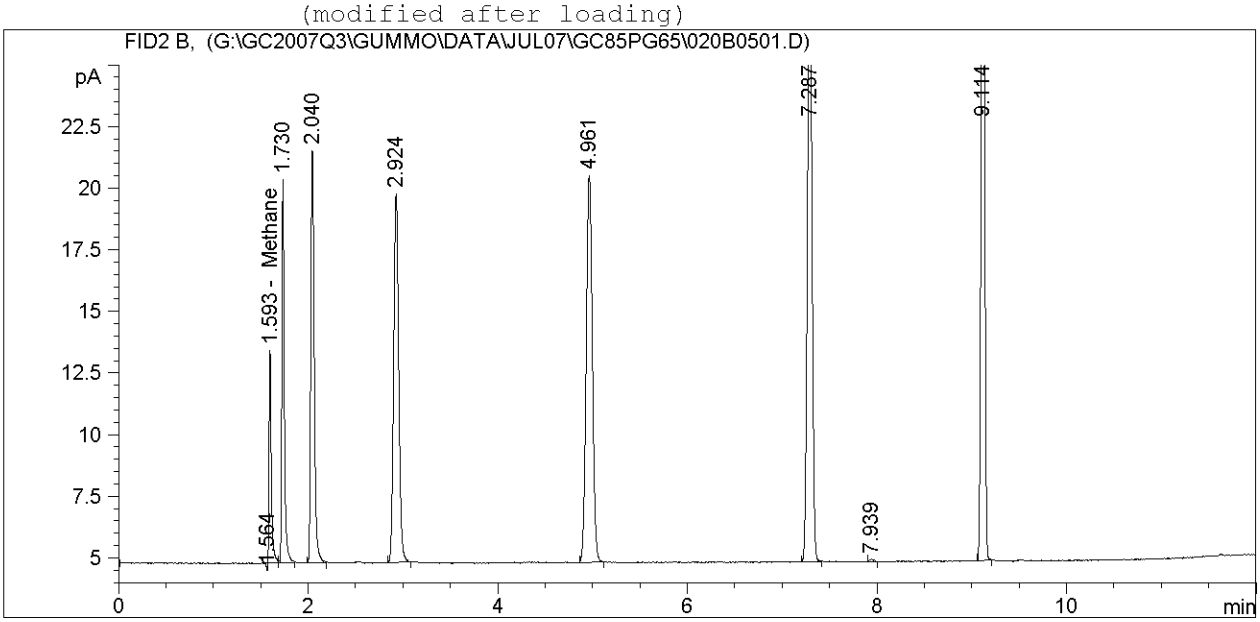

```
==========================================================================
                      External Standard Report
==========================================================================

Sorted By             :      Signal
Calib. Data Modified  :      7/11/2007 9:01:31 AM
Multiplier            :      1.0000
Dilution              :      1.0000
Use Multiplier & Dilution Factor with ISTDs

Signal 1: FID2 B,

RetTime  Type     Area      Amt/Area    Amount   Grp   Name
 [min]          [pA*s]                 [ppm]
-------|------|----------|----------|----------|--|------------------
  1.592 PV        6.79978    3.11283   21.16659    Methane

Totals :                                21.16659

 Results obtained with enhanced integrator!
==========================================================================
                          *** End of Report ***
```

```
==========================================================================
Injection Date  : 7/9/2007 9:15:31 PM          Seq. Line :   4
Sample Name     : gc85pg65 #2R                  Location : Vial 19
Acq. Operator   : mtr                              Inj :   3
Acq. Instrument : Gummo                     Inj Volume : External
Acq. Method     : G:\GC2007Q1\GUMMO\METHODS\HRVOC5.M
Last changed    : 6/26/2007 3:48:38 PM by mtr
Analysis Method : G:\GC2007Q2\GUMMO\METHODS\0707-03A.M
Last changed    : 7/11/2007 9:01:31 AM by mtr
                  (modified after loading)
```



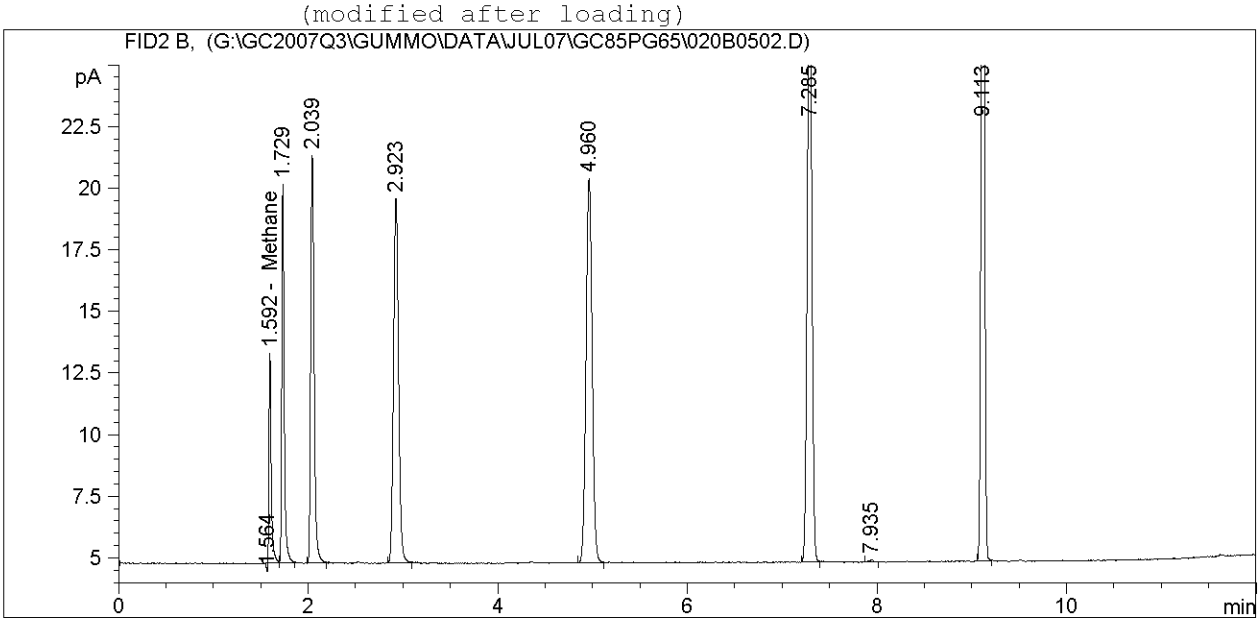

```
==========================================================================
                      External Standard Report
==========================================================================

Sorted By             :      Signal
Calib. Data Modified  :      7/11/2007 9:01:31 AM
Multiplier            :      1.0000
Dilution              :      1.0000
Use Multiplier & Dilution Factor with ISTDs

Signal 1: FID2 B,

RetTime  Type     Area      Amt/Area    Amount   Grp   Name
 [min]          [pA*s]                  [ppm]
-------|------|----------|----------|----------|--|------------------
  1.592 PV        6.75707    3.11297   21.03454    Methane

Totals :                                21.03454

 Results obtained with enhanced integrator!
==========================================================================
                          *** End of Report ***
```

```
==========================================================================
Injection Date  : 7/9/2007 9:35:14 PM          Seq. Line :   5
Sample Name     : gc85pg65 #3R                  Location : Vial 20
Acq. Operator   : mtr                              Inj :   1
Acq. Instrument : Gummo                     Inj Volume : External
Acq. Method     : G:\GC2007Q1\GUMMO\METHODS\HRVOC5.M
Last changed    : 6/26/2007 3:48:38 PM by mtr
Analysis Method : G:\GC2007Q2\GUMMO\METHODS\0707-03A.M
Last changed    : 7/11/2007 9:01:31 AM by mtr
                  (modified after loading)
```



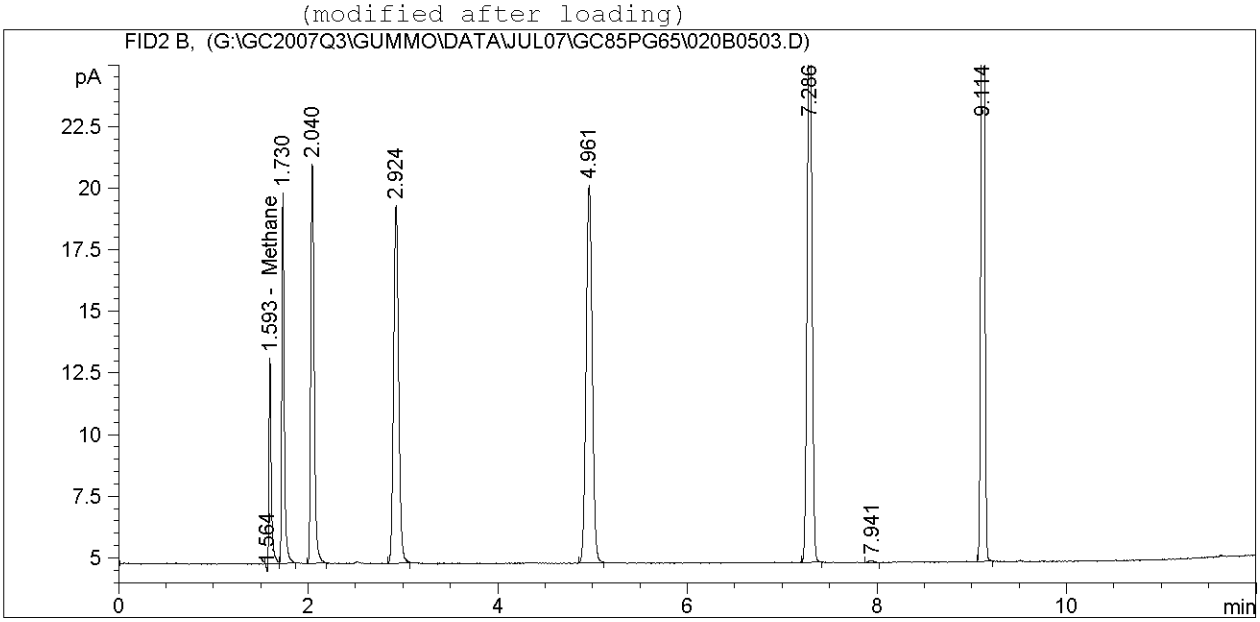

```
==========================================================================
                      External Standard Report
==========================================================================

Sorted By             :      Signal
Calib. Data Modified  :      7/11/2007 9:01:31 AM
Multiplier            :      1.0000
Dilution              :      1.0000
Use Multiplier & Dilution Factor with ISTDs

Signal 1: FID2 B,

RetTime  Type     Area      Amt/Area    Amount   Grp   Name
 [min]          [pA*s]                 [ppm]
-------|------|----------|----------|----------|--|------------------
  1.593 PV       14.33549    3.10176   44.46517    Methane

Totals :                                44.46517

 Results obtained with enhanced integrator!
==========================================================================
                          *** End of Report ***
```

```
==========================================================================
Injection Date  : 7/9/2007 9:54:49 PM          Seq. Line :   5
Sample Name     : gc85pg65 #3R                  Location : Vial 20
Acq. Operator   : mtr                              Inj :   2
Acq. Instrument : Gummo                     Inj Volume : External
Acq. Method     : G:\GC2007Q1\GUMMO\METHODS\HRVOC5.M
Last changed    : 6/26/2007 3:48:38 PM by mtr
Analysis Method : G:\GC2007Q2\GUMMO\METHODS\0707-03A.M
Last changed    : 7/11/2007 9:01:31 AM by mtr
                  (modified after loading)
```



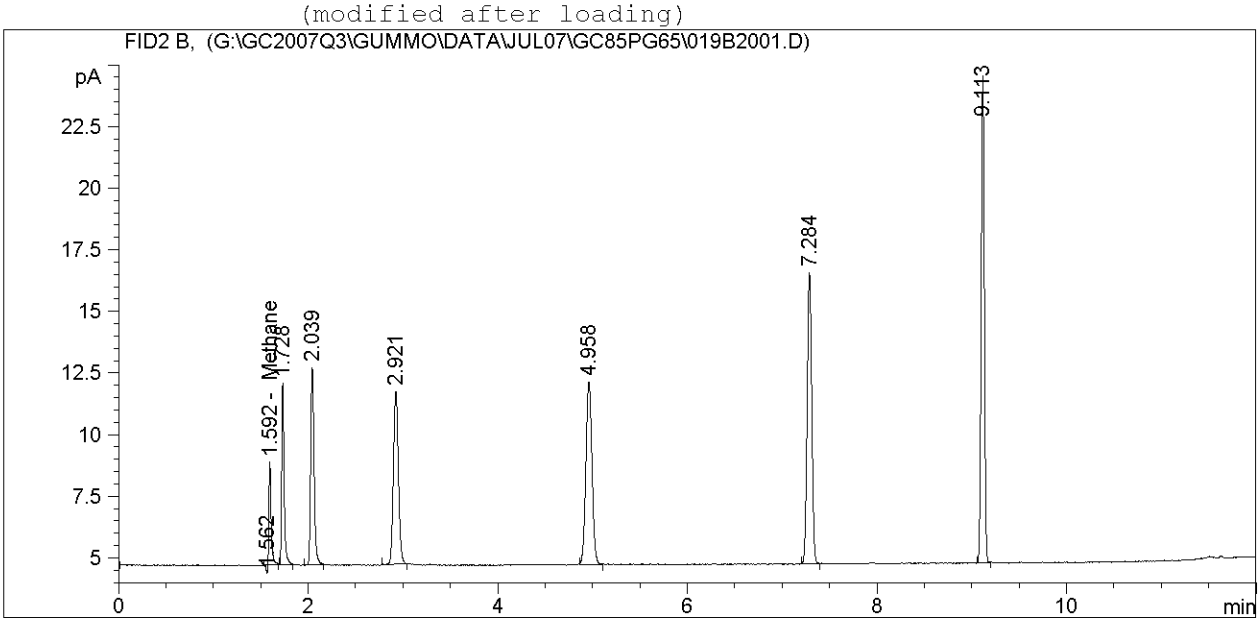

```
==========================================================================
                        External Standard Report
==========================================================================

Sorted By             :      Signal
Calib. Data Modified  :      7/11/2007 9:01:31 AM
Multiplier            :      1.0000
Dilution              :      1.0000
Use Multiplier & Dilution Factor with ISTDs

Signal 1: FID2 B,

RetTime  Type     Area      Amt/Area    Amount   Grp   Name
 [min]          [pA*s]                  [ppm]
-------|------|----------|----------|----------|--|------------------
  1.592 PV       14.22197    3.10184   44.11421    Methane

Totals :                                44.11421

 Results obtained with enhanced integrator!
==========================================================================
                           *** End of Report ***
```

```
==========================================================================
Injection Date  : 7/9/2007 10:14:23 PM          Seq. Line :   5
Sample Name     : gc85pg65 #3R                   Location : Vial 20
Acq. Operator   : mtr                                Inj :   3
Acq. Instrument : Gummo                       Inj Volume : External
Acq. Method     : G:\GC2007Q1\GUMMO\METHODS\HRVOC5.M
Last changed    : 6/26/2007 3:48:38 PM by mtr
Analysis Method : G:\GC2007Q2\GUMMO\METHODS\0707-03A.M
Last changed    : 7/11/2007 9:01:31 AM by mtr
                  (modified after loading)
```



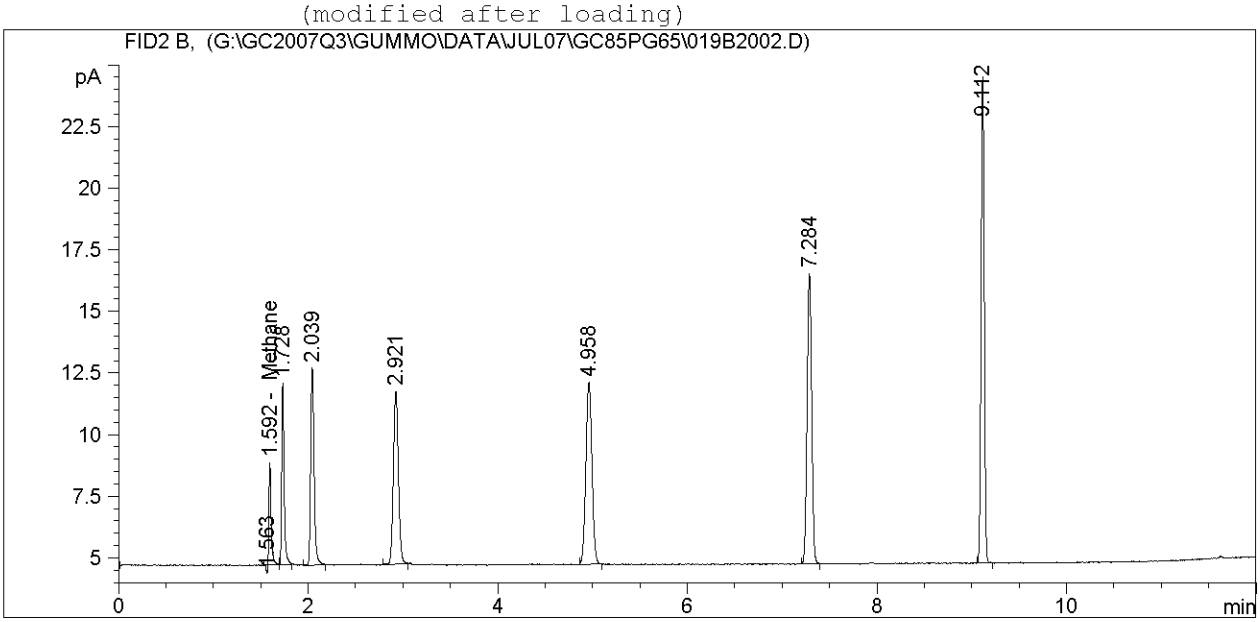

```
==========================================================================
                        External Standard Report
==========================================================================

Sorted By             :      Signal
Calib. Data Modified  :      7/11/2007 9:01:31 AM
Multiplier            :      1.0000
Dilution              :      1.0000
Use Multiplier & Dilution Factor with ISTDs

Signal 1: FID2 B,

RetTime  Type     Area      Amt/Area    Amount   Grp   Name
 [min]          [pA*s]                 [ppm]
-------|------|----------|----------|----------|--|------------------
  1.593 PV       13.96841    3.10202   43.33026    Methane

Totals :                                43.33026

 Results obtained with enhanced integrator!
==========================================================================
                           *** End of Report ***
```

```
==========================================================================
Injection Date  : 7/10/2007 5:55:36 PM          Seq. Line :  20
Sample Name     : gc85pg65 #2R                   Location : Vial 19
Acq. Operator   : mtr                                Inj :   1
Acq. Instrument : Gummo                       Inj Volume : External
Acq. Method     : G:\GC2007Q1\GUMMO\METHODS\HRVOC5.M
Last changed    : 6/26/2007 3:48:38 PM by mtr
Analysis Method : G:\GC2007Q2\GUMMO\METHODS\0707-03A.M
Last changed    : 7/11/2007 9:01:31 AM by mtr
                  (modified after loading)
```



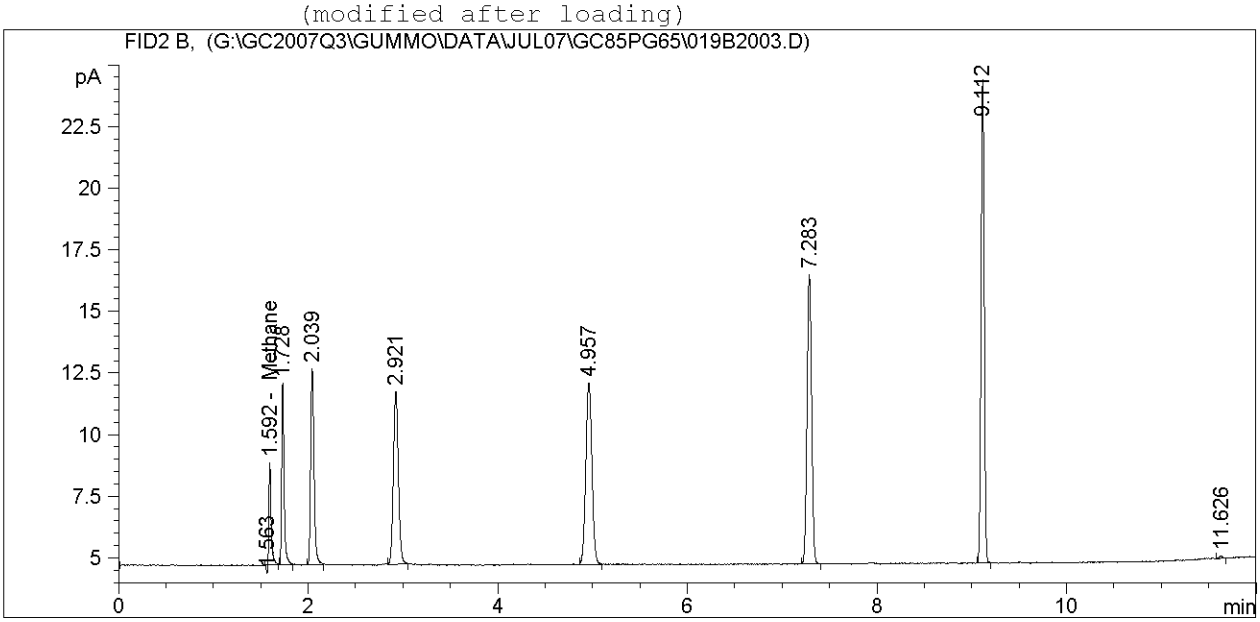

```
==========================================================================
                        External Standard Report
==========================================================================

Sorted By             :      Signal
Calib. Data Modified  :      7/11/2007 9:01:31 AM
Multiplier            :      1.0000
Dilution              :      1.0000
Use Multiplier & Dilution Factor with ISTDs

Signal 1: FID2 B,

RetTime  Type     Area      Amt/Area    Amount   Grp   Name
 [min]          [pA*s]                 [ppm]
-------|------|----------|----------|----------|--|------------------
  1.592 PB        6.88767    3.11257   21.43831    Methane

Totals :                                21.43831

 Results obtained with enhanced integrator!
==========================================================================
                           *** End of Report ***
```

```
==========================================================================
Injection Date  : 7/10/2007 6:15:07 PM          Seq. Line :  20
Sample Name     : gc85pg65 #2R                   Location : Vial 19
Acq. Operator   : mtr                               Inj :   2
Acq. Instrument : Gummo                       Inj Volume : External
Acq. Method     : G:\GC2007Q1\GUMMO\METHODS\HRVOC5.M
Last changed    : 6/26/2007 3:48:38 PM by mtr
Analysis Method : G:\GC2007Q2\GUMMO\METHODS\0707-03A.M
Last changed    : 7/11/2007 9:01:31 AM by mtr
                  (modified after loading)
```




```
==========================================================================
                        External Standard Report
==========================================================================

Sorted By             :      Signal
Calib. Data Modified  :      7/11/2007 9:01:31 AM
Multiplier            :      1.0000
Dilution              :      1.0000
Use Multiplier & Dilution Factor with ISTDs

Signal 1: FID2 B,

RetTime  Type     Area      Amt/Area    Amount   Grp   Name
 [min]          [pA*s]                 [ppm]
-------|------|----------|----------|----------|--|------------------
  1.592 PV        6.85895    3.11265   21.34953    Methane

Totals :                                21.34953

 Results obtained with enhanced integrator!
==========================================================================
                           *** End of Report ***
```

```
==========================================================================
Injection Date  : 7/10/2007 6:34:39 PM          Seq. Line :  20
Sample Name     : gc85pg65 #2R                   Location : Vial 19
Acq. Operator   : mtr                                Inj :   3
Acq. Instrument : Gummo                       Inj Volume : External
Acq. Method     : G:\GC2007Q1\GUMMO\METHODS\HRVOC5.M
Last changed    : 6/26/2007 3:48:38 PM by mtr
Analysis Method : G:\GC2007Q2\GUMMO\METHODS\0707-03A.M
Last changed    : 7/11/2007 9:01:31 AM by mtr
                  (modified after loading)
```




```
==========================================================================
                        External Standard Report
==========================================================================

Sorted By             :      Signal
Calib. Data Modified  :      7/11/2007 9:01:31 AM
Multiplier            :      1.0000
Dilution              :      1.0000
Use Multiplier & Dilution Factor with ISTDs

Signal 1: FID2 B,

RetTime  Type     Area      Amt/Area    Amount   Grp   Name
 [min]          [pA*s]                 [ppm]
-------|------|----------|----------|----------|--|------------------
  1.592 PB        6.86528    3.11263   21.36909    Methane

Totals :                                21.36909

 Results obtained with enhanced integrator!
==========================================================================
                           *** End of Report ***
```

Method Information

6890 GC METHOD

OVEN
- Initial temp: 40 'C (On)
- Initial time: 4.00 min
- Ramps:

#	Rate	Final temp	Final time
1	15.00	100	0.07
2	30.00	200	2.60
3	0.0(Off)		

- Post temp: 50 'C
- Post time: 0.00 min
- Run time: 14.00 min
- Maximum temp: 260 'C
- Equilibration time: 0.20 min

FRONT INLET (SPLIT/SPLITLESS)
- Mode: Split
- Initial temp: 160 'C (On)
- Pressure: 5.27 psi (On)
- Split ratio: 1:1
- Split flow: 2.1 mL/min
- Total flow: 10.3 mL/min
- Gas saver: Off
- Gas type: Hydrogen

BACK INLET (SPLIT/SPLITLESS)
- Mode: Split
- Initial temp: 160 'C (On)
- Pressure: 5.27 psi (On)
- Split ratio: 0.5:1
- Split flow: 1.0 mL/min
- Total flow: 9.4 mL/min
- Gas saver: Off
- Gas type: Hydrogen

COLUMN 1
- Capillary Column
- Model Number: Restek Rt Alumina
- Max temperature: 300 'C
- Nominal length: 30.0 m
- Nominal diameter: 320.00 um
- Nominal film thickness: 4.00 um
- Mode: constant flow
- Initial flow: 2.1 mL/min
- Nominal init pressure: 5.27 psi
- Average velocity: 40 cm/sec
- Inlet: Front Inlet
- Outlet: Front Detector
- Outlet pressure: ambient

COLUMN 2
- Capillary Column
- Model Number: Restek Rt Alumina
- Max temperature: 300 'C
- Nominal length: 30.0 m
- Nominal diameter: 320.00 um
- Nominal film thickness: 4.00 um
- Mode: constant flow
- Initial flow: 2.1 mL/min
- Nominal init pressure: 5.28 psi
- Average velocity: 40 cm/sec
- Inlet: Back Inlet
- Outlet: Back Detector
- Outlet pressure: ambient

FRONT DETECTOR (FID)
- Temperature: 250 'C (On)
- Hydrogen flow: 40.0 mL/min (On)
- Air flow: 450.0 mL/min (On)
- Mode: Constant makeup flow
- Makeup flow: 45.0 mL/min (On)
- Makeup Gas Type: Nitrogen
- Flame: On
- Electrometer: On
- Lit offset: 2.0

BACK DETECTOR (FID)
- Temperature: 250 'C (On)
- Hydrogen flow: 40.0 mL/min (On)
- Air flow: 450.0 mL/min (On)
- Mode: Constant makeup flow
- Makeup flow: 45.0 mL/min (On)
- Makeup Gas Type: Nitrogen
- Flame: On
- Electrometer: On
- Lit offset: 2.0

SIGNAL 1
- Data rate: 20 Hz
- Type: front detector
- Save Data: On
- Zero: 0.0 (Off)
- Range: 0

SIGNAL 2
- Data rate: 20 Hz
- Type: back detector
- Save Data: On
- Zero: 0.0 (Off)
- Range: 0

Fast Peaks: Off
Attenuation: 0

Fast Peaks: Off
Attenuation: 0

COLUMN COMP 1
Derive from front detector

COLUMN COMP 2
Derive from back detector

THERMAL AUX 1
Use: Valve Box Heater
Description:
Initial temp: 125 'C (On)
Initial time: 0.00 min

#	Rate	Final temp	Final time
1	0.0	(Off)	

VALVES
Valve 1 Gas Sampling
Description:
Loop Volume: 1.000 mL
Load Time: 1.50 min
Inject Time: 0.50 min
Inlet: Front Inlet
Valve 2 Gas Sampling
Description:
Loop Volume: 0.250 mL
Load Time: 1.50 min
Inject Time: 0.50 min
Inlet: Back Inlet
Valve 7 Multiposition 8
Description:
BCD input: inverted
Switch Time: 1.0 sec

POST RUN
Post Time: 0.00 min

TIME TABLE

Time	Specifier	Parameter & Setpoint
0.20	Multi-Valve Position:	1

Sequence: G:\GC2007Q3\GUMMO\SEQUENCE\GC85PG65.S

Sequence Table (Front Injector):

Method and Injection Info Part:

Line	Location	SampleName	Method	Inj	SampleType	InjVolume	DataFile
1	Vial 1	room air	HRVOC5	2	Sample		
2	Vial 2	gc85pg65 #1F	HRVOC5	3	Sample		
3	Vial 2	gc85pg65 #1F	HRVOC5	1	Sample		
4	Vial 3	gc85pg65 #2F	HRVOC5	3	Sample		
5	Vial 4	gc85pg65 #3F	HRVOC5	3	Sample		
6	Vial 5	gc85pg65 #4F	HRVOC5	3	Sample		
7	Vial 6	gc85pg65 #5F	HRVOC5	3	Sample		
8	Vial 7	gc85pg65 #6F	HRVOC5	3	Sample		
9	Vial 8	gc85pg65 #7F	HRVOC5	3	Sample		
10	Vial 9	gc85pg65 #8F	HRVOC5	3	Sample		
11	Vial 1	room air	HRVOC5	3	Sample		
12	Vial 1	room air	PAUSE	1	Sample		
13	Vial 1	room air	HRVOC5	2	Sample		
14	Vial 11	B2744 Ploy 2 Flr	HRVOC5	3	Sample		
15	Vial 12	B2744 P2 Fr *601	HRVOC5	3	Sample		
16	Vial 12		HRVOC5	3	Sample		
17	Vial 12		HRVOC5	3	Sample		
18	Vial 1	room air	HRVOC5	3	Sample		
19	Vial 2	gc85pg65 #1F	HRVOC5	3	Sample		
20	Vial 3	gc85pg65 #2F	HRVOC5	3	Sample		
21	Vial 4	gc85pg65 #3F	HRVOC5	3	Sample		
22	Vial 5	gc85pg65 #4F	HRVOC5	3	Sample		
23	Vial 6	gc85pg65 #5F	HRVOC5	3	Sample		
24	Vial 7	gc85pg65 #6F	HRVOC5	3	Sample		
25	Vial 8	gc85pg65 #7F	HRVOC5	3	Sample		

Sequence Table (Back Injector):

Method and Injection Info Part:

Line	Location	SampleName	Method	Inj	SampleType	InjVolume	DataFile
1	Vial 17	room air	HRVOC5	2	Sample		
2	Vial 18	gc85pg65 #1R	HRVOC5	3	Sample		
3	Vial 18	gc85pg65 #1R	HRVOC5	1	Sample		
4	Vial 19	gc85pg65 #2R	HRVOC5	3	Sample		
5	Vial 20	gc85pg65 #3R	HRVOC5	3	Sample		
6	Vial 21	gc85pg65 #4R	HRVOC5	3	Sample		
7	Vial 22	gc85pg65 #5R	HRVOC5	3	Sample		
8	Vial 23	gc85pg65 #6R	HRVOC5	3	Sample		
9	Vial 24		HRVOC5	3	Sample		
10	Vial 25		HRVOC5	3	Sample		
11	Vial 17	room air	HRVOC5	3	Sample		
12	Vial 17	room air	HRVOC5	1	Sample		
13	Vial 17	room air	HRVOC5	2	Sample		
14	Vial 17	room air	HRVOC5	3	Sample		
15	Vial 26	WSP-01	HRVOC5	3	Sample		
16	Vial 27	WSP-02	HRVOC5	3	Sample		
17	Vial 28	WSP-BG	HRVOC5	3	Sample		
18	Vial 17	room air	HRVOC5	3	Sample		
19	Vial 18	gc85pg65 #1R	HRVOC5	3	Sample		
20	Vial 19	gc85pg65 #2R	HRVOC5	3	Sample		
21	Vial 20	gc85pg65 #3R	HRVOC5	3	Sample		
22	Vial 21	gc85pg65 #4R	HRVOC5	3	Sample		
23	Vial 22	gc85pg65 #5R	HRVOC5	3	Sample		

Sequence: G:\GC2007Q3\GUMMO\SEQUENCE\GC85PG65.S

Line	Location	SampleName	Method	Inj	SampleType	InjVolume	DataFile
24	Vial 23	gc85pg65 #6R	HRVOC5	3	Sample		

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