Quantitation Report (Not Reviewed)

Data Path : W:\HPCHEM1\MSVOA_L\DATA\VL072715\
Data File : VL025755.D
Acq On : 27 Jul 2015 16:10
Operator : SY/MD
Sample : G3097-01DL 10X
Misc : 400mL/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_L
ClientSampleId : PR1DL

Quant Time: Jul 28 01:01:03 2015
Quant Method : W:\HPCHEM1\MSVOA_L\METHODS\VL070715AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LWed Jul 08 02:22:55 2015
QLast Update : Wed Jul 08 02:22:55 2015
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
1) Bromochloromethane	6.65	49	932211	10.00	ppbv		0.00
33) 1,4-Difluorobenzene	8.33	114	2490808	10.00	ppbv		0.00
55) Chlorobenzene-d5	13.75	117	3078879	10.00	ppbv		0.00
System Monitoring Compounds							
68) 1-Bromo-4-Fluorobenzene	16.29	95	2653479	10.22	ppbv		0.00
Spiked Amount 10.000	Range 65 - 135		Recovery = 102.20%				
Target Compounds							Qvalue
3) Chlorodifluoromethane	3.58	51	12511	0.10	ppbv	#	80
4) Chloromethane	3.75	50	9119	0.15	ppbv		99
9) Propene	3.60	41	16073	0.37	ppbv		91
10) Heptane	9.35	43	18877	0.11	ppbv		98
13) Ethanol	4.34	45	29554	4.36	ppbv		99
15) Acetone	4.60	43	909634	5.52	ppbv	#	87
16) 1,3-Butadiene	3.95	39	56976	0.87	ppbv	#	19
17) tert-Butyl alcohol	5.17	59	64486	0.47	ppbv		95
19) Isopropyl Alcohol	4.78	45	50680	0.77	ppbv	#	96
20) Methylene Chloride	5.15	84	19110	0.29	ppbv		93
23) Vinyl Acetate	5.99	43	45032	0.18	ppbv	#	90
25) Ethyl Acetate	6.68	43	34605	0.14	ppbv	#	92
26) Hexane	6.67	57	14961	0.13	ppbv	#	81
34) 2-Butanone	6.21	43	83060	0.59	ppbv		97
36) Benzene	8.02	78	19197	0.08	ppbv		97
38) Trichloroethene	9.07	130	5254	0.05	ppbv	#	78
41) Tetrahydrofuran	7.17	42	18242	0.26	ppbv	#	84
44) 2,2,4-Trimethylpentane	9.09	57	21155	0.05	ppbv	#	74
52) Tetrachloroethene	12.79	164	6517	0.05	ppbv		90
53) Toluene	11.24	91	355964	1.06	ppbv		99
58) Ethyl Benzene	14.41	91	91831	0.18	ppbv		96
59) m/p-Xylene	14.69	91	264342	0.59	ppbv		100
60) o-Xylene	15.49	91	99883	0.21	ppbv		97
61) Styrene	15.32	104	85219	0.51	ppbv		98
62) Isopropylbenzene	16.55	105	87491	0.14	ppbv		100
64) n-propylbenzene	17.52	120	13473	0.08	ppbv		82
65) tert-Butylbenzene	18.83	119	25485	0.04	ppbv	#	68
69) p-Isopropyltoluene	19.79	119	55515	0.08	ppbv	#	78
71) 2-Chlorotoluene	17.53	91	63356	0.14	ppbv	#	45
72) 4-Ethyltoluene	17.82	105	85865	0.16	ppbv		97
73) 1,3,5-Trimethylbenzene	17.99	105	64505	0.12	ppbv		88
74) 1,2,4-Trimethylbenzene	18.83	105	190495	0.33	ppbv	#	66
79) Naphthalene	23.94	128	44108	0.08	ppbv		98

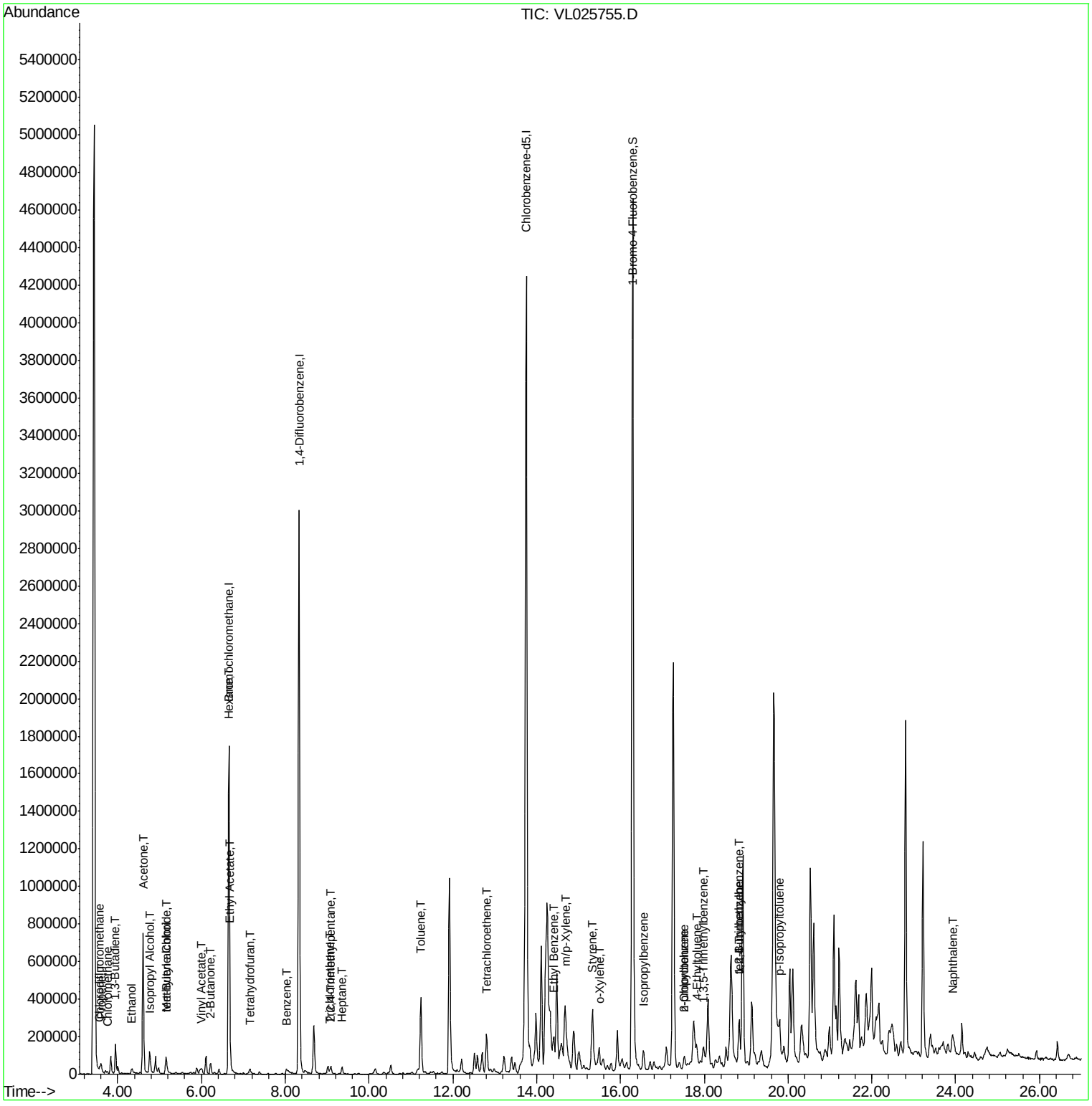
(#) = qualifier out of range (m) = manual integration (+) = signals summed

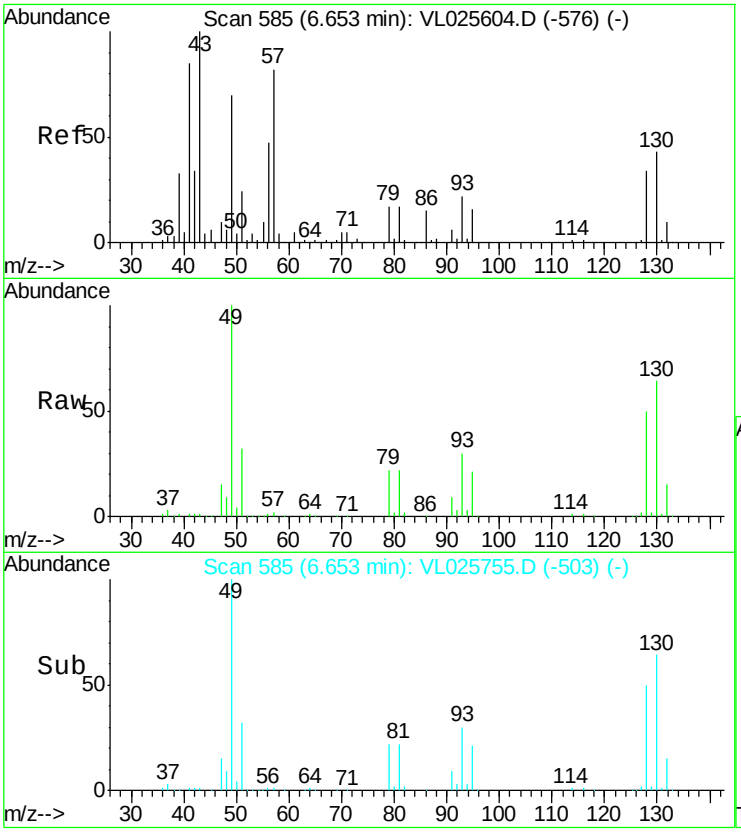
Quantitation Report (Not Reviewed)

Data Path : W:\HPCHEM1\MSVOA_L\DATA\VL072715\
Data File : VL025755.D
Acq On : 27 Jul 2015 16:10
Operator : SY/MD
Sample : G3097-01DL 10X
Misc : 400mL/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_L
ClientSampleId : PR1DL

Quant Time: Jul 28 01:01:03 2015
Quant Method : W:\HPCHEM1\MSVOA_L\METHODS\VL070715AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LWed Jul 08 02:22:55 2015
QLast Update : Wed Jul 08 02:22:55 2015
Response via : Initial Calibration



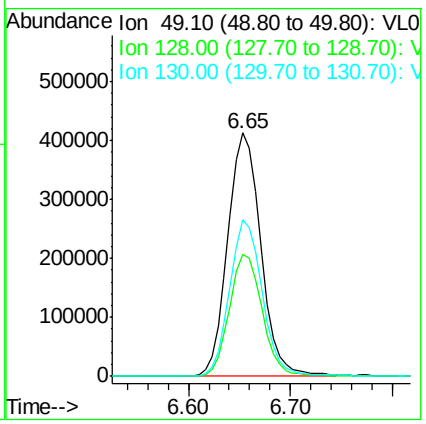


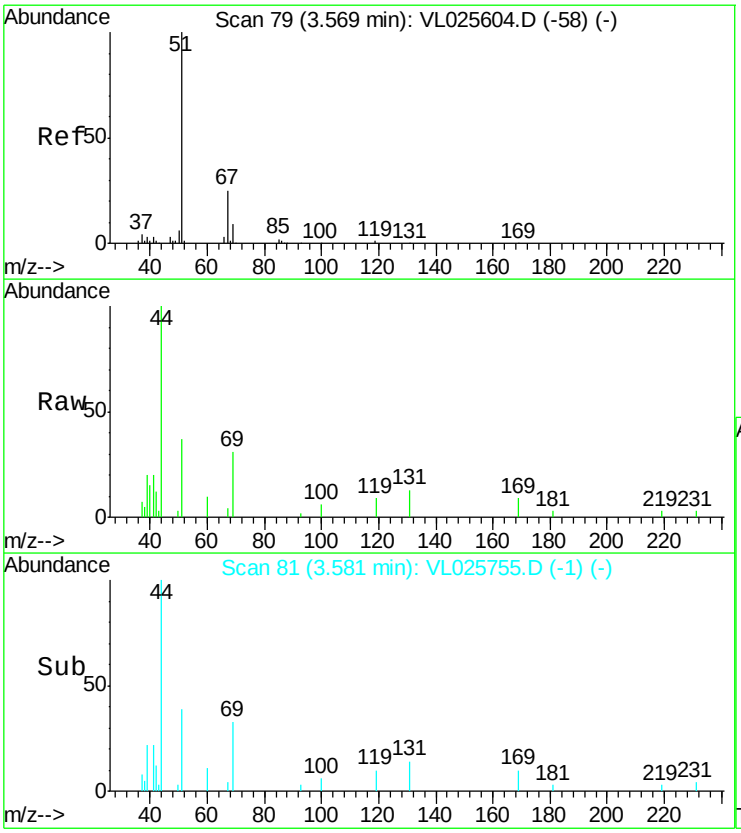
#1
Bromochloromethane
Concen: 10.00 ppbv
RT: 6.65 min Scan# 585
Delta R.T. -0.00 min
Lab File: VL025755.D
Acq: 27 Jul 2015 16:10

Instrument :
MSVOA_L
ClientSampleId :
PR1DL

Tgt Ion: 49 Resp: 932211

Ion	Ratio	Lower	Upper
49	100		
128	50.3	25.4	76.0
130	64.1	31.9	95.9

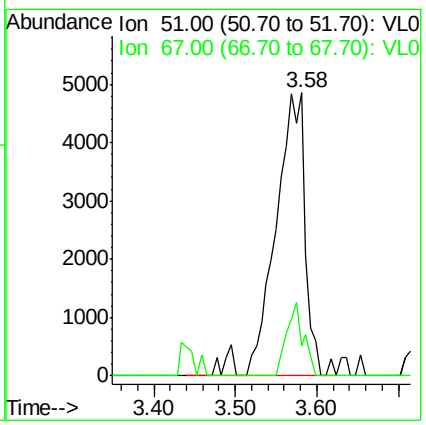


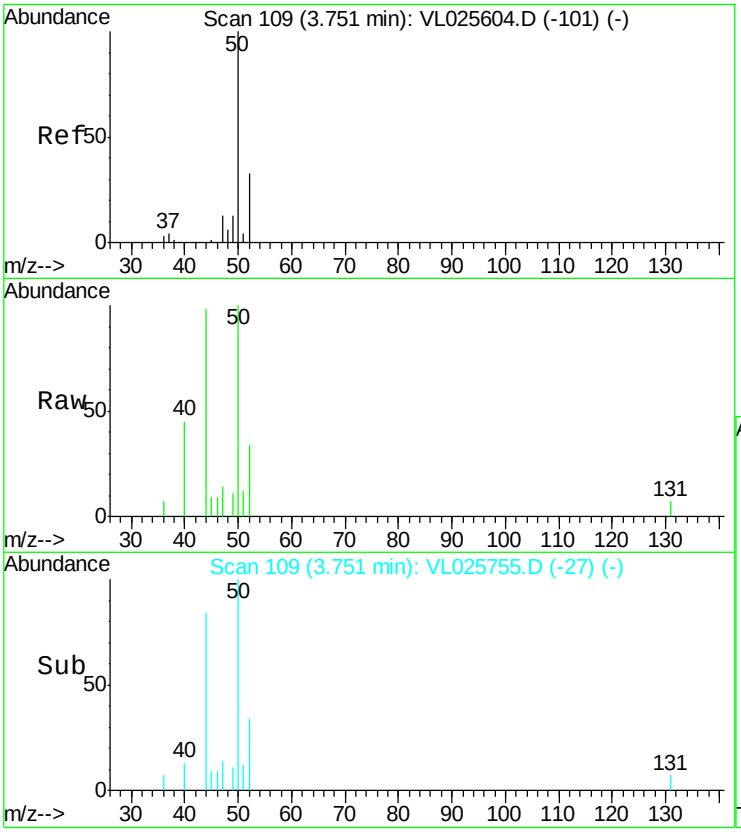


#3
Chlorodifluoromethane
Concen: 0.10 ppbv
RT: 3.58 min Scan# 81
Delta R.T. 0.01 min
Lab File: VL025755.D
Acq: 27 Jul 2015 16:10

Tgt Ion: 51 Resp: 12511

Ion	Ratio	Lower	Upper
51	100		
67	14.3	19.5	29.3#



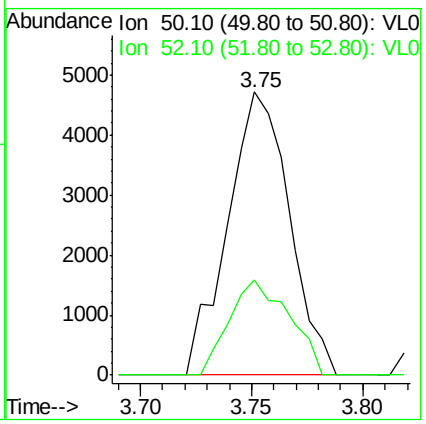


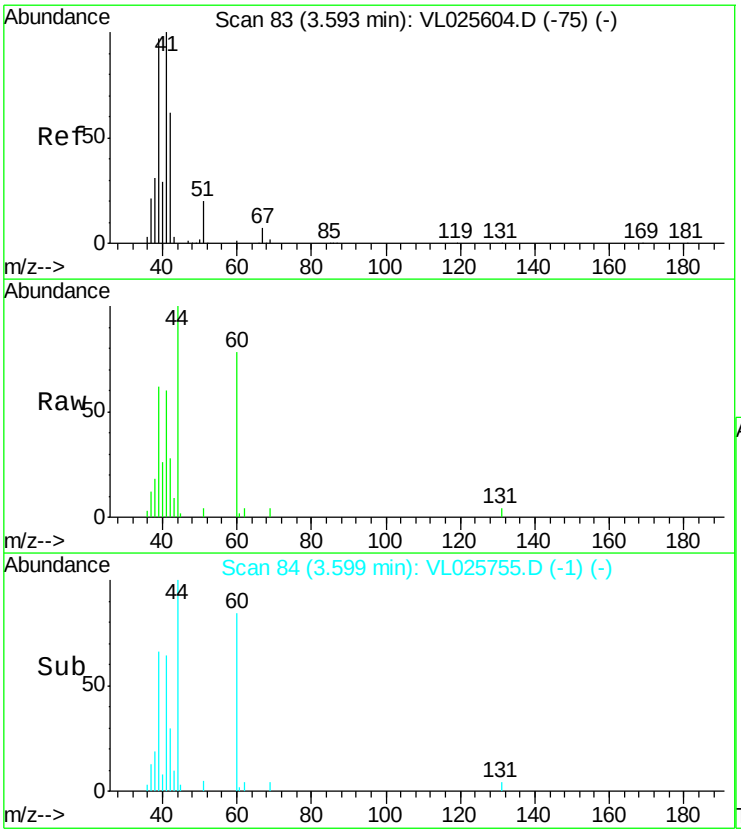
#4
Chloromethane
Concen: 0.15 ppbv
RT: 3.75 min Scan# 109
Delta R.T. -0.00 min
Lab File: VL025755.D
Acq: 27 Jul 2015 16:10

Instrument :
MSVOA_L
ClientSampleId :
PR1DL

Tgt Ion: 50 Resp: 9119

Ion	Ratio	Lower	Upper
50	100		
52	33.5	26.2	39.2

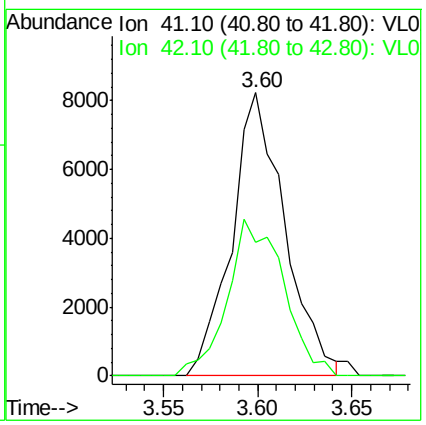


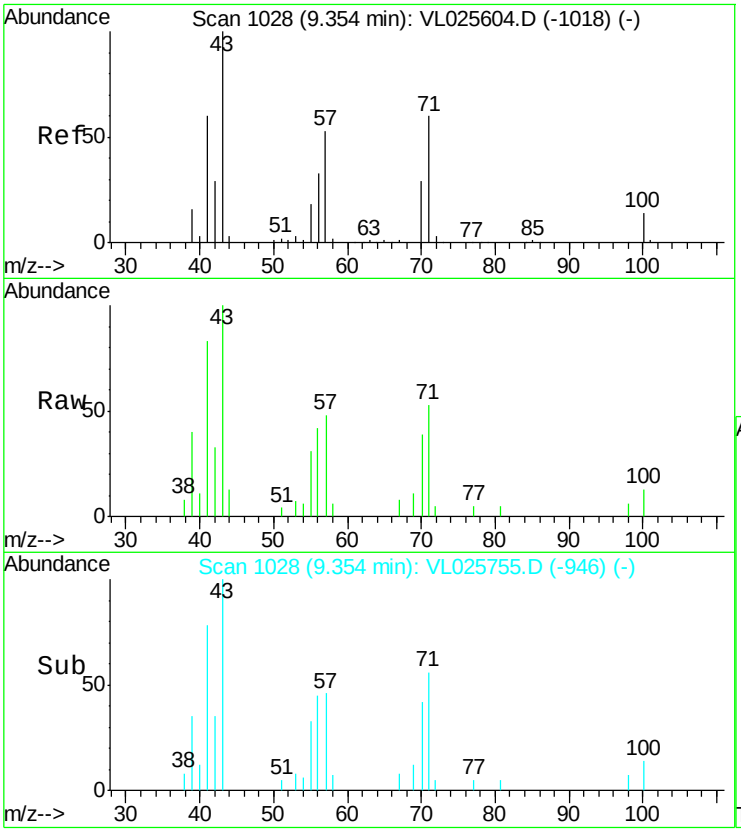


#9
Propene
Concen: 0.37 ppbv
RT: 3.60 min Scan# 84
Delta R.T. 0.01 min
Lab File: VL025755.D
Acq: 27 Jul 2015 16:10

Tgt Ion: 41 Resp: 16073

Ion	Ratio	Lower	Upper
41	100		
42	58.3	52.4	78.6



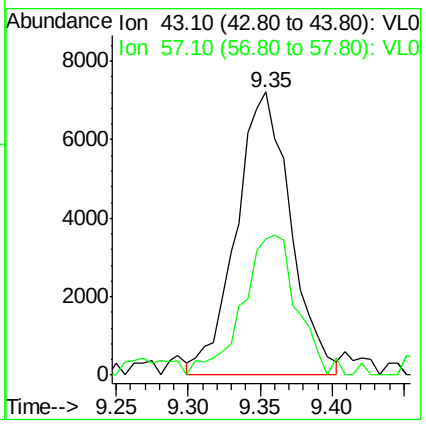


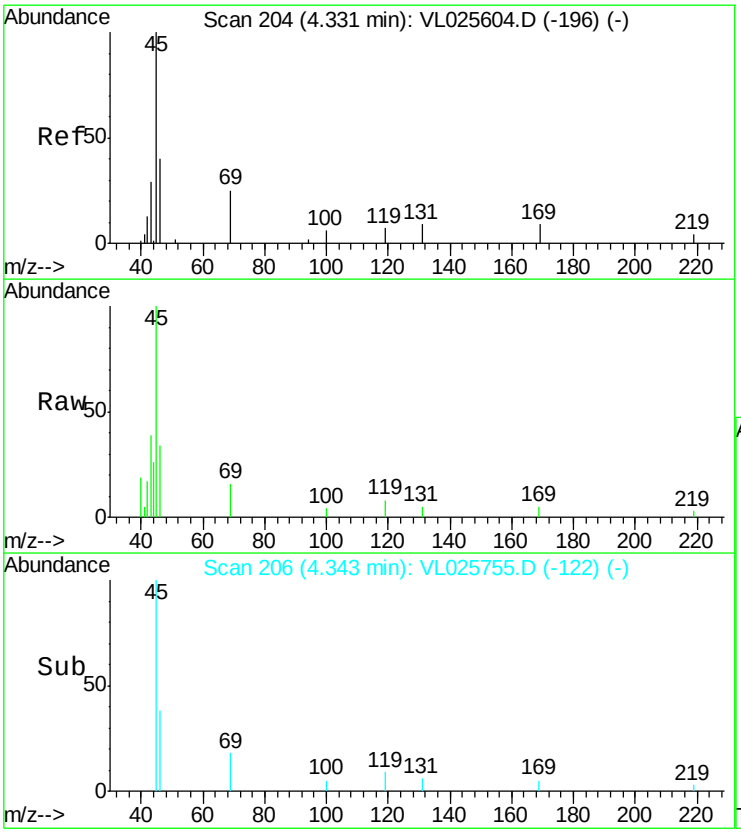
#10
Heptane
Concen: 0.11 ppbv
RT: 9.35 min Scan# 1028
Delta R.T. -0.00 min
Lab File: VL025755.D
Acq: 27 Jul 2015 16:10

Instrument :
MSVOA_L
ClientSampleId :
PR1DL

Tgt Ion: 43 Resp: 18877

Ion	Ratio	Lower	Upper
43	100		
57	54.9	42.6	64.0

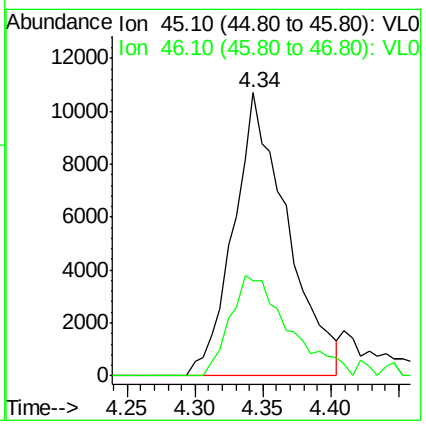


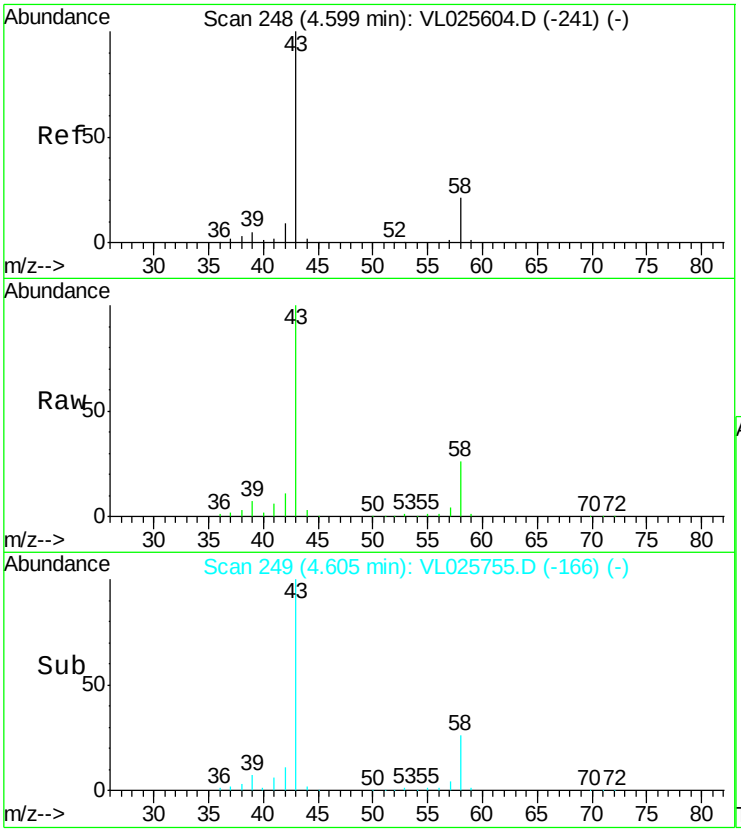


#13
Ethanol
Concen: 4.36 ppbv
RT: 4.34 min Scan# 206
Delta R.T. 0.01 min
Lab File: VL025755.D
Acq: 27 Jul 2015 16:10

Tgt Ion: 45 Resp: 29554

Ion	Ratio	Lower	Upper
45	100		
46	39.5	16.0	64.0



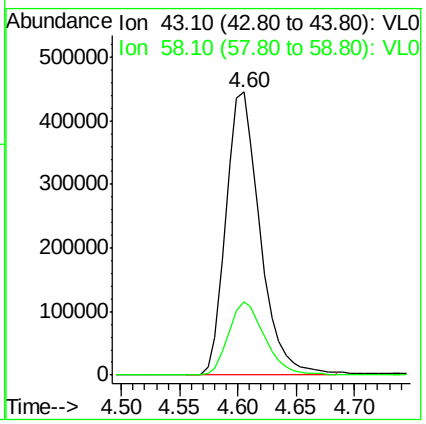


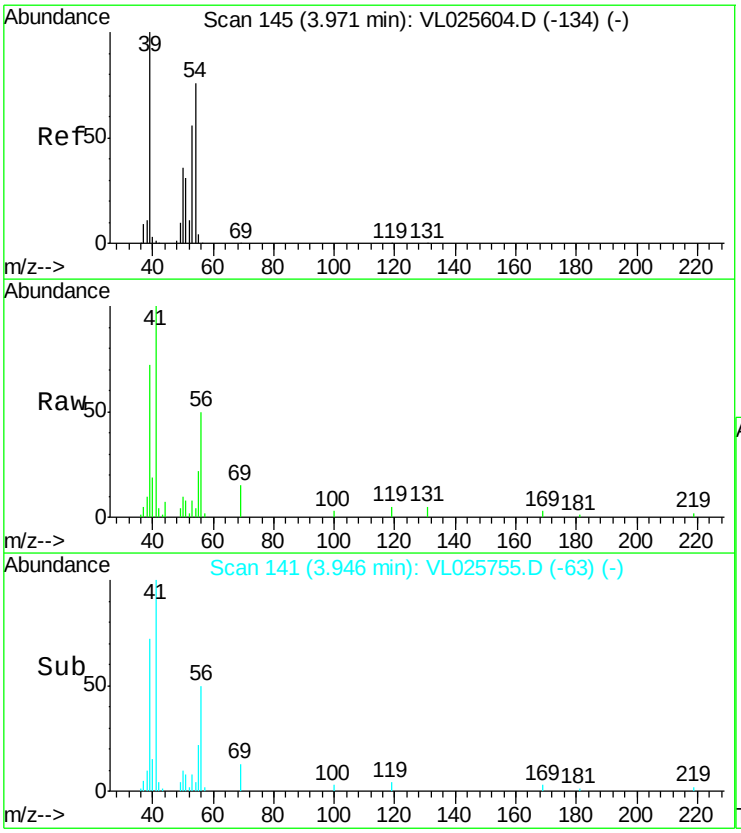
#15
Acetone
Concen: 5.52 ppbv
RT: 4.60 min Scan# 249
Delta R.T. 0.01 min
Lab File: VL025755.D
Acq: 27 Jul 2015 16:10

Instrument : MSVOA_L
ClientSampleId : PR1DL

Tgt Ion: 43 Resp: 909634

Ion	Ratio	Lower	Upper
43	100		
58	27.7	17.2	25.8#

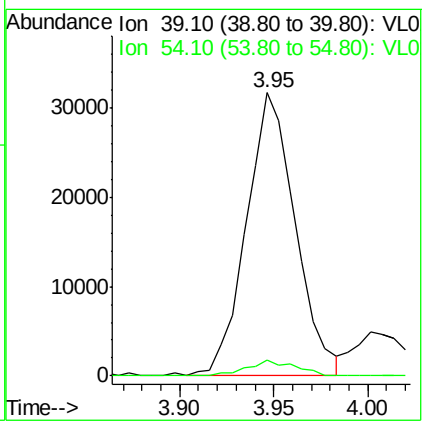


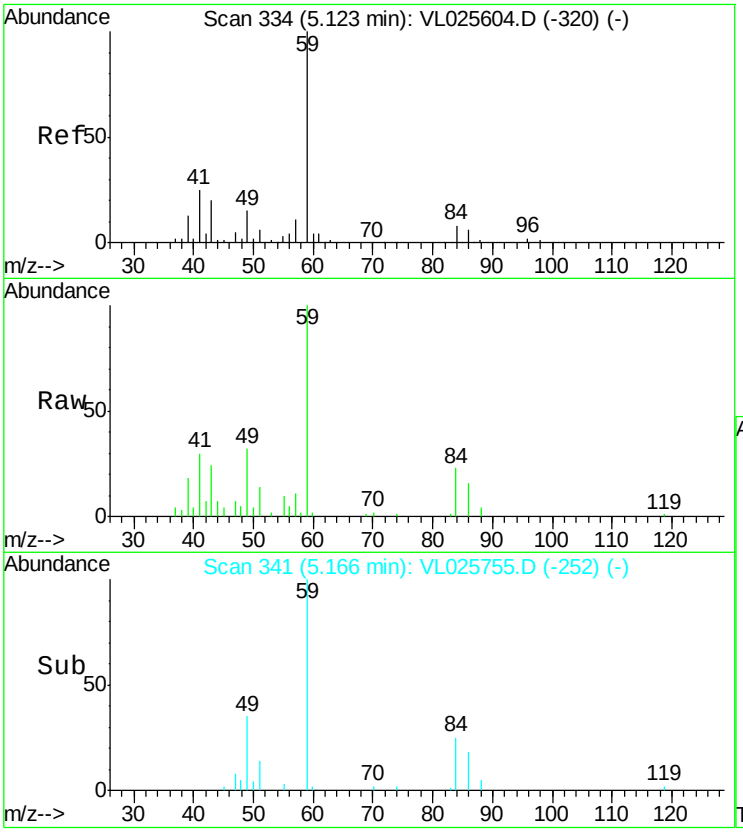


#16
1,3-Butadiene
Concen: 0.87 ppbv
RT: 3.95 min Scan# 141
Delta R.T. -0.02 min
Lab File: VL025755.D
Acq: 27 Jul 2015 16:10

Tgt Ion: 39 Resp: 56976

Ion	Ratio	Lower	Upper
39	100		
54	5.4	59.3	88.9#



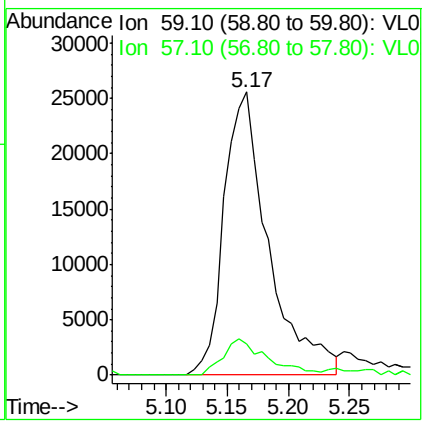


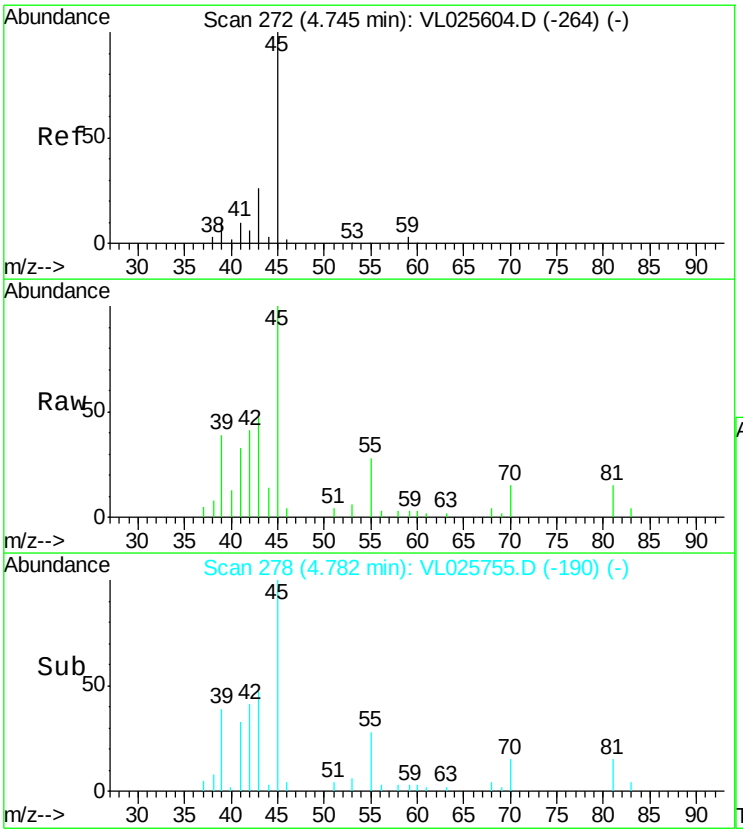
#17
tert-Butyl alcohol
Concen: 0.47 ppbv
RT: 5.17 min Scan# 341
Delta R.T. 0.04 min
Lab File: VL025755.D
Acq: 27 Jul 2015 16:10

Instrument : MSVOA_L
ClientSampleId : PR1DL

Tgt Ion: 59 Resp: 64486

Ion	Ratio	Lower	Upper
59	100		
57	13.8	9.4	14.2

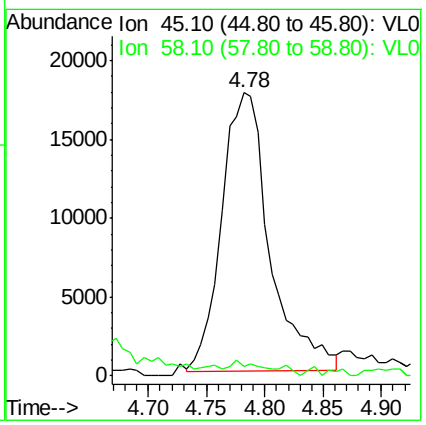


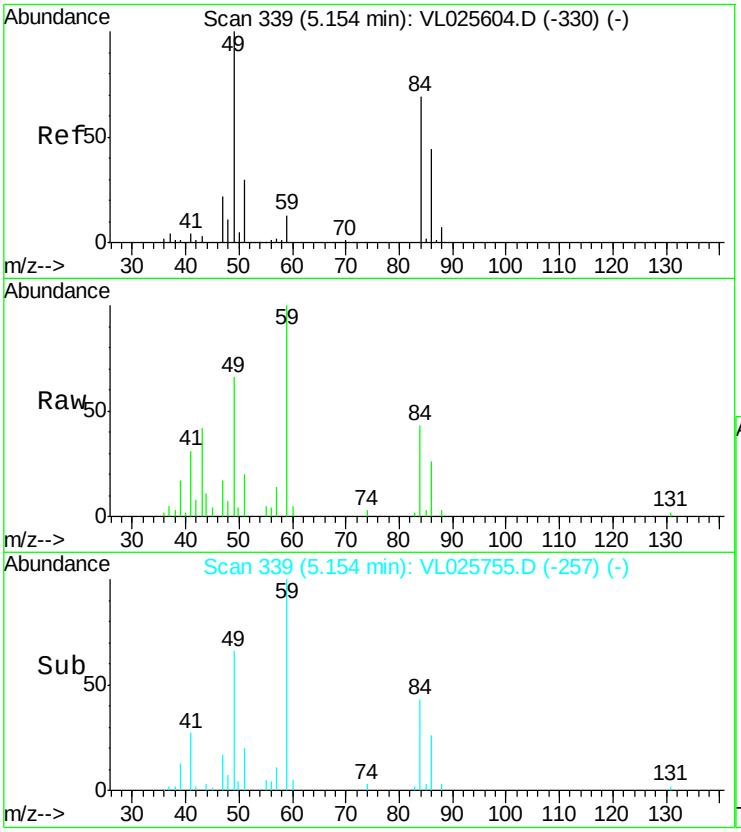


#19
Isopropyl Alcohol
Concen: 0.77 ppbv
RT: 4.78 min Scan# 278
Delta R.T. 0.04 min
Lab File: VL025755.D
Acq: 27 Jul 2015 16:10

Tgt Ion: 45 Resp: 50680

Ion	Ratio	Lower	Upper
45	100		
58	0.0	1.1	1.7#



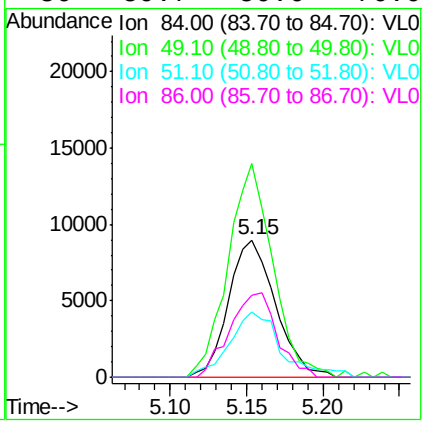


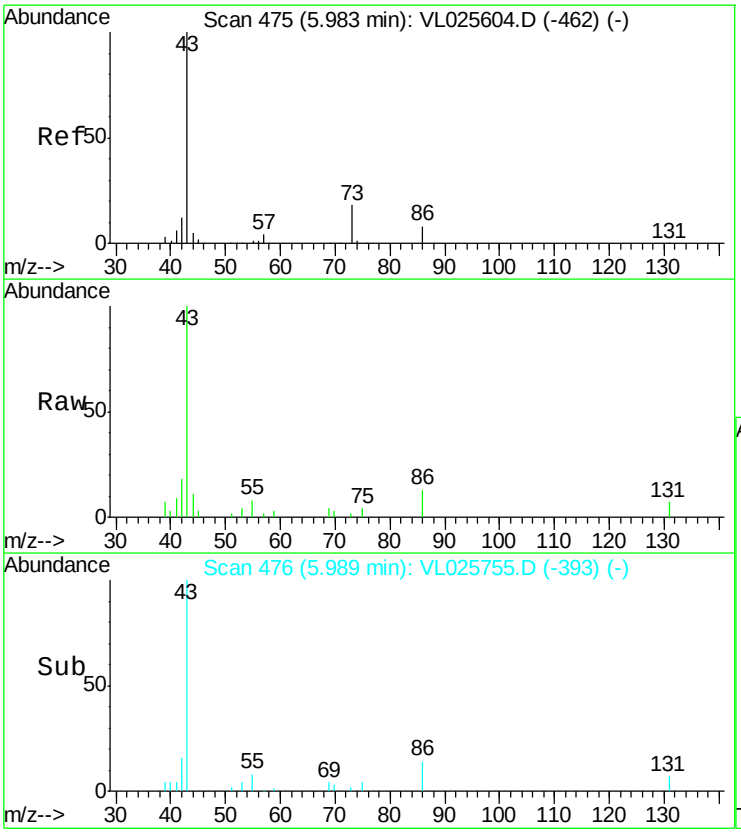
#20
Methylene Chloride
Concen: 0.29 ppbv
RT: 5.15 min Scan# 339
Delta R.T. -0.00 min
Lab File: VL025755.D
Acq: 27 Jul 2015 16:10

Instrument : MSVOA_L
ClientSampleId : PR1DL

Tgt Ion: 84 Resp: 19110

Ion	Ratio	Lower	Upper
84	100		
49	155.2	115.2	172.8
51	47.2	35.0	52.6
86	59.7	50.6	76.0

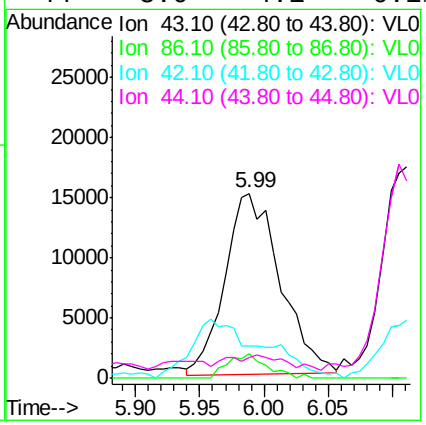


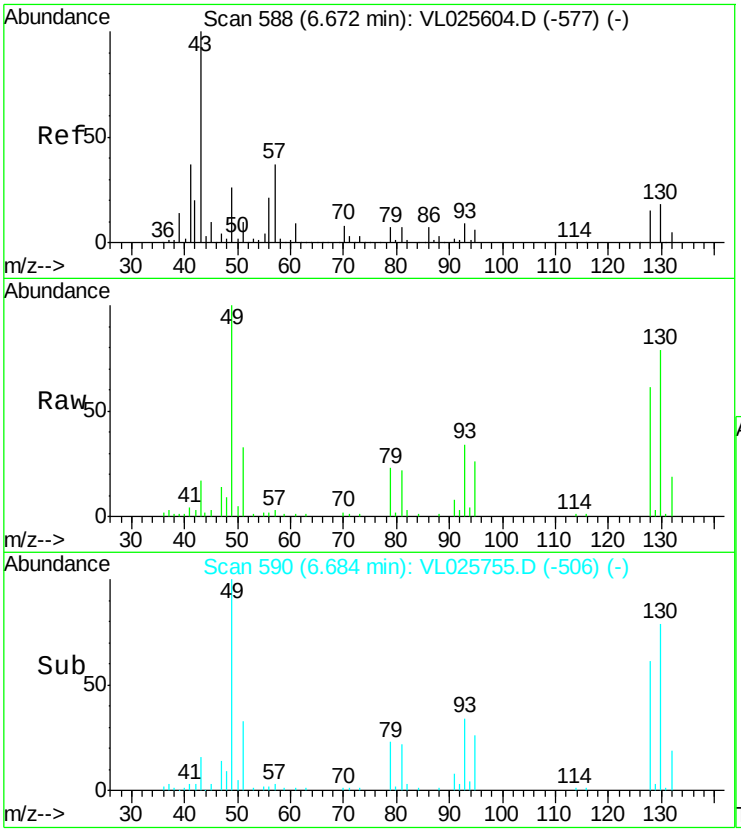


#23
Vinyl Acetate
Concen: 0.18 ppbv
RT: 5.99 min Scan# 476
Delta R.T. 0.01 min
Lab File: VL025755.D
Acq: 27 Jul 2015 16:10

Tgt Ion: 43 Resp: 45032

Ion	Ratio	Lower	Upper
43	100		
86	13.8	6.7	10.1#
42	15.4	9.8	14.6#
44	3.0	4.1	6.1#



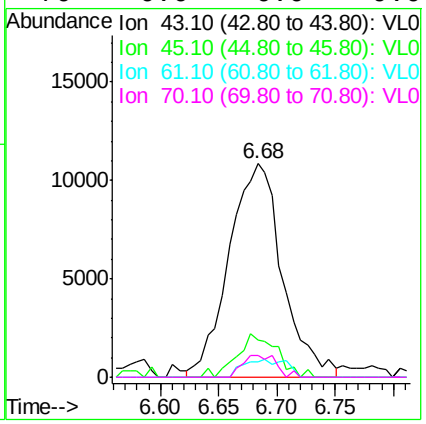


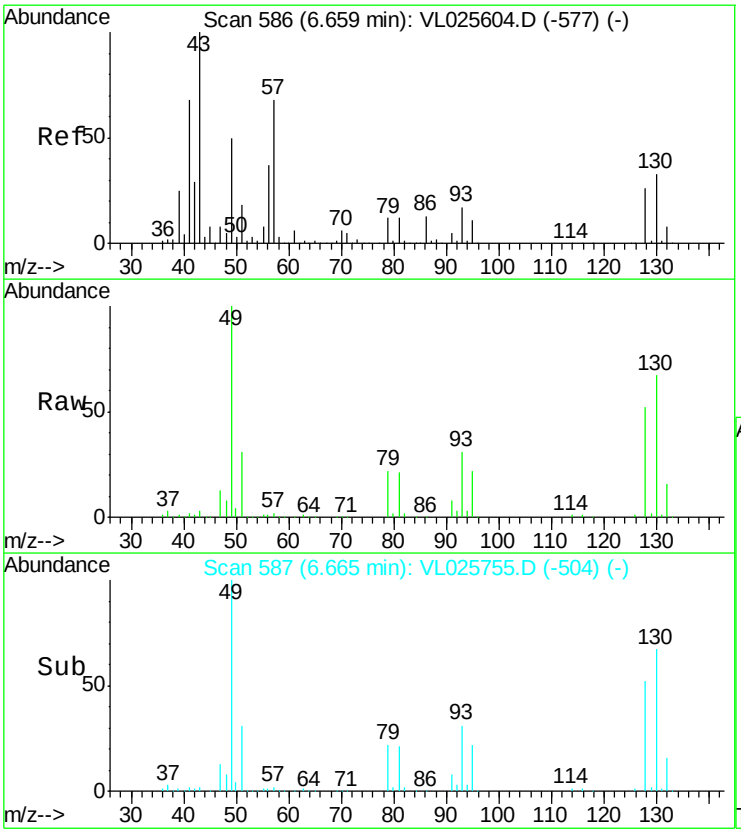
#25
Ethyl Acetate
Concen: 0.14 ppbv
RT: 6.68 min Scan# 590
Delta R.T. 0.01 min
Lab File: VL025755.D
Acq: 27 Jul 2015 16:10

Instrument : MSVOA_L
ClientSampleId : PR1DL

Tgt Ion: 43 Resp: 34605

Ion	Ratio	Lower	Upper
43	100		
45	15.2	7.5	11.3#
61	6.8	6.6	10.0
70	6.6	6.0	9.0

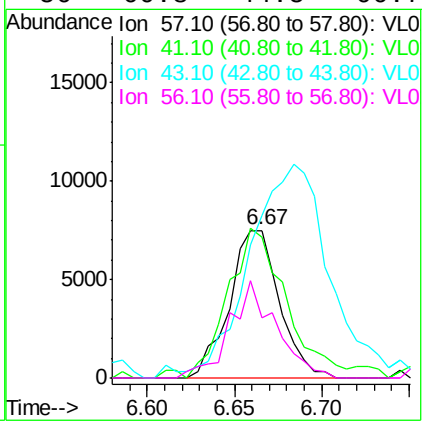


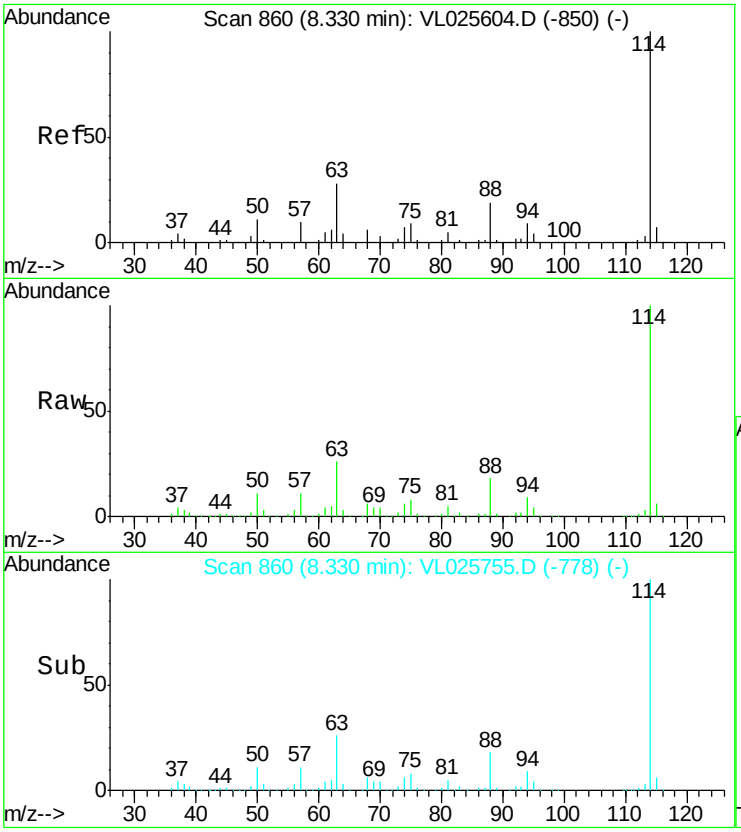


#26
Hexane
Concen: 0.13 ppbv
RT: 6.67 min Scan# 587
Delta R.T. 0.01 min
Lab File: VL025755.D
Acq: 27 Jul 2015 16:10

Tgt Ion: 57 Resp: 14961

Ion	Ratio	Lower	Upper
57	100		
41	123.7	81.4	122.2#
43	248.0	171.4	257.2
56	60.8	44.5	66.7



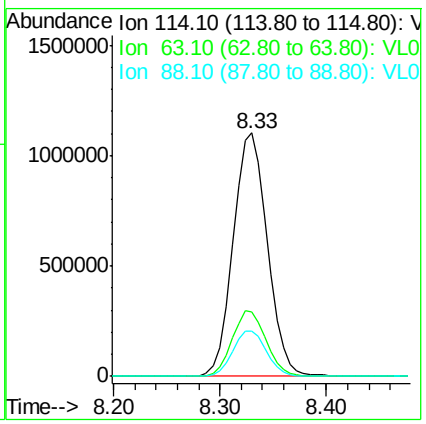


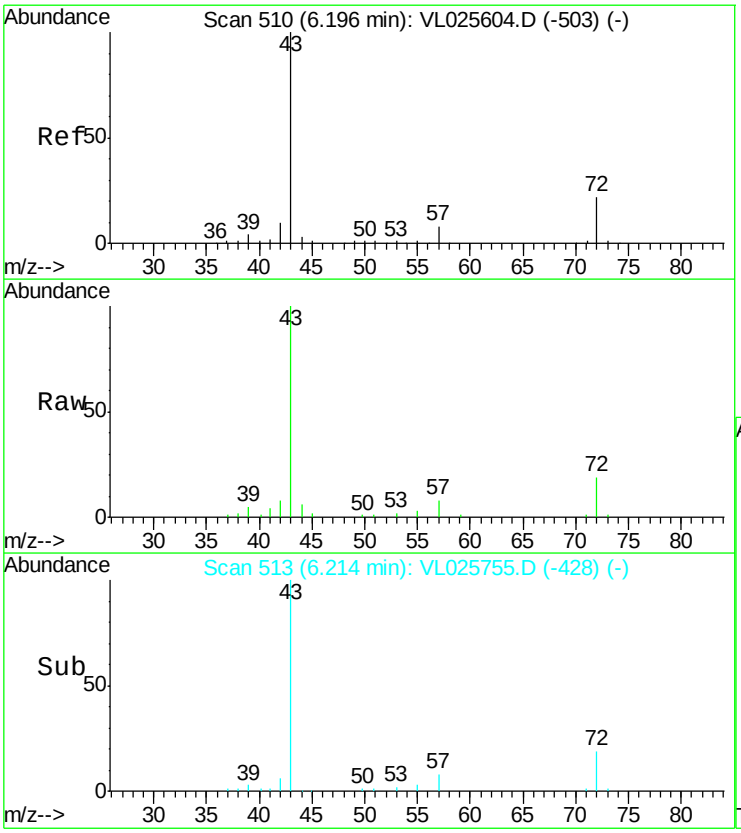
#33
1,4-Difluorobenzene
Concen: 10.00 ppbv
RT: 8.33 min Scan# 860
Delta R.T. -0.00 min
Lab File: VL025755.D
Acq: 27 Jul 2015 16:10

Instrument :
MSVOA_L
ClientSampleId :
PR1DL

Tgt Ion:114 Resp: 2490808

Ion	Ratio	Lower	Upper
114	100		
63	26.8	22.4	33.6
88	18.6	15.0	22.4

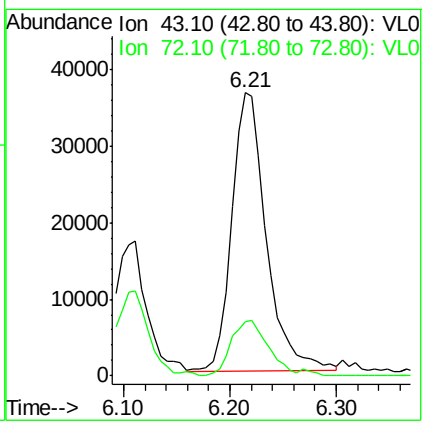


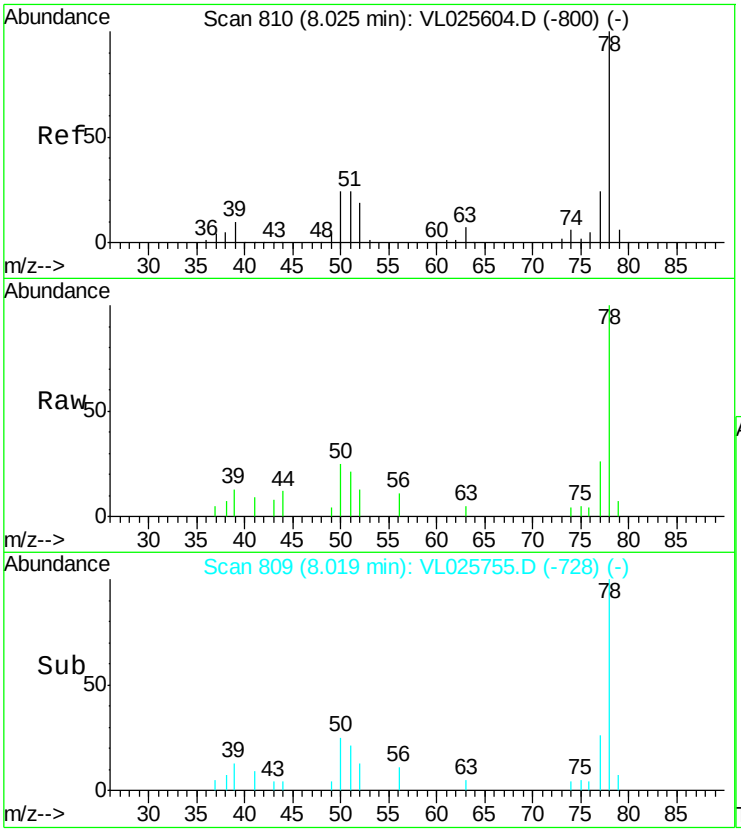


#34
2-Butanone
Concen: 0.59 ppbv
RT: 6.21 min Scan# 513
Delta R.T. 0.02 min
Lab File: VL025755.D
Acq: 27 Jul 2015 16:10

Tgt Ion: 43 Resp: 83060

Ion	Ratio	Lower	Upper
43	100		
72	22.0	18.6	28.0



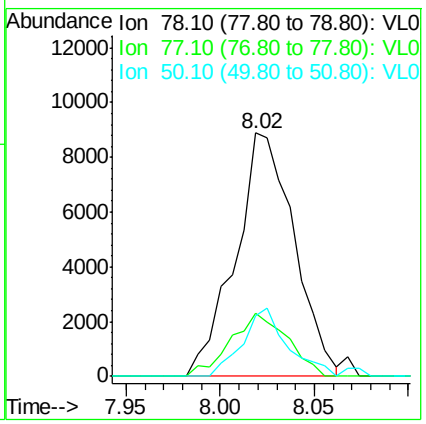


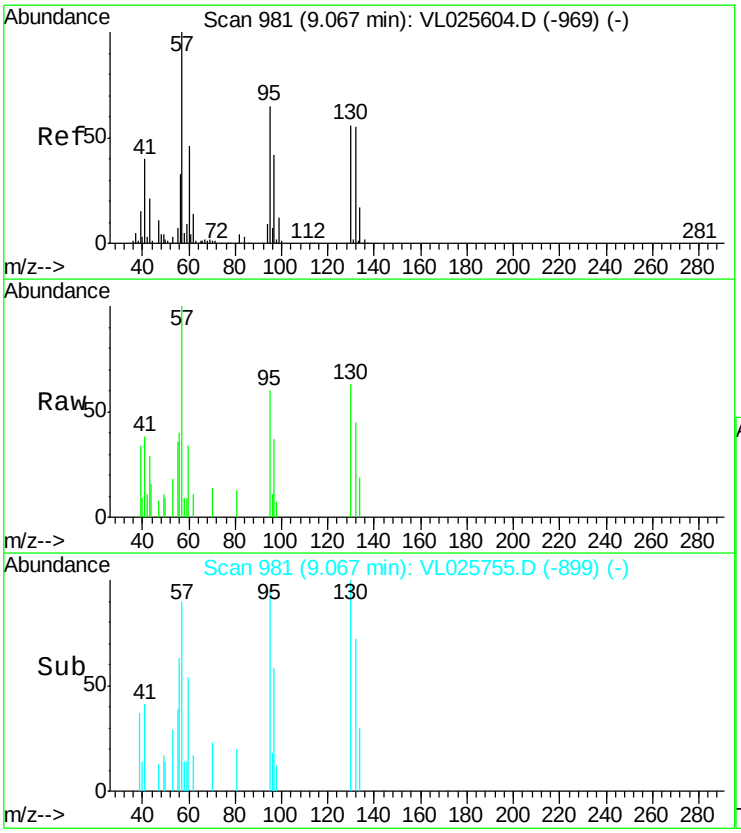
#36
Benzene
Concen: 0.08 ppbv
RT: 8.02 min Scan# 809
Delta R.T. -0.01 min
Lab File: VL025755.D
Acq: 27 Jul 2015 16:10

Instrument :
MSVOA_L
ClientSampleId :
PR1DL

Tgt Ion: 78 Resp: 19197

Ion	Ratio	Lower	Upper
78	100		
77	25.9	19.0	28.4
50	24.6	19.2	28.8

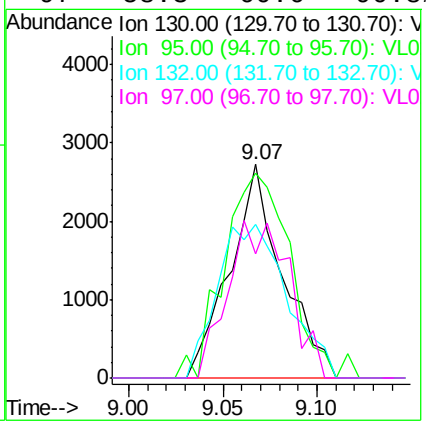


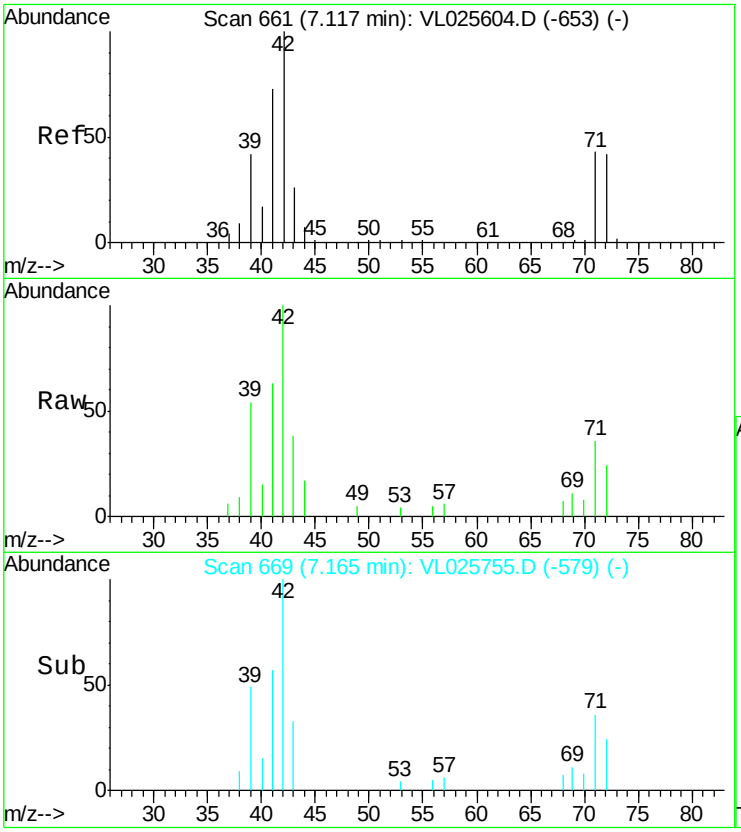


#38
Trichloroethene
Concen: 0.05 ppbv
RT: 9.07 min Scan# 981
Delta R.T. -0.00 min
Lab File: VL025755.D
Acq: 27 Jul 2015 16:10

Tgt Ion:130 Resp: 5254

Ion	Ratio	Lower	Upper
130	100		
95	95.7	94.2	141.4
132	72.1	78.6	118.0#
97	58.3	60.6	90.8#



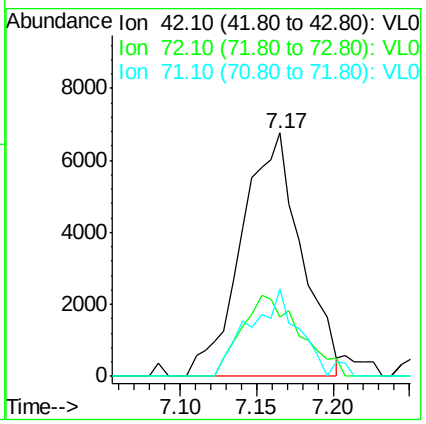


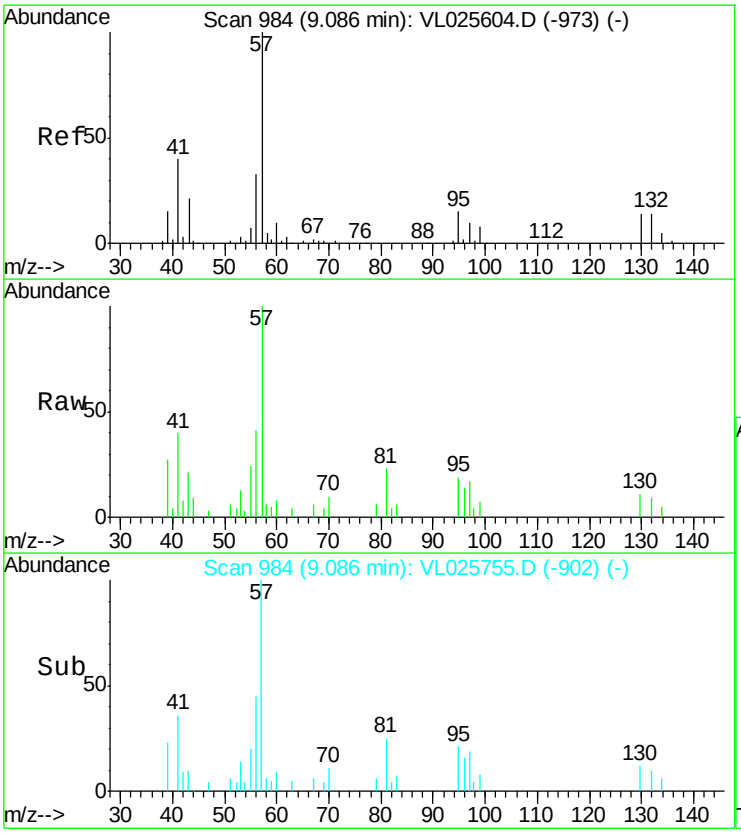
#41
Tetrahydrofuran
Concen: 0.26 ppbv
RT: 7.17 min Scan# 669
Delta R.T. 0.05 min
Lab File: VL025755.D
Acq: 27 Jul 2015 16:10

Instrument : MSVOA_L
ClientSampleId : PR1DL

Tgt Ion: 42 Resp: 18242

Ion	Ratio	Lower	Upper
42	100		
72	32.6	34.0	51.0#
71	31.0	33.0	49.6#

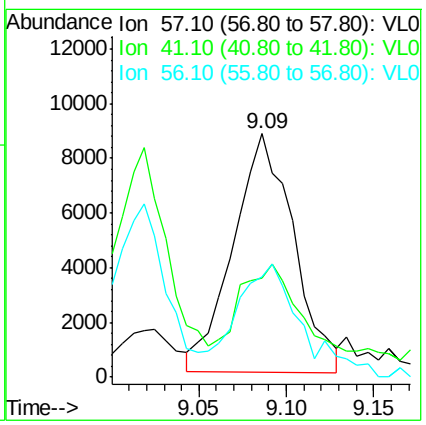


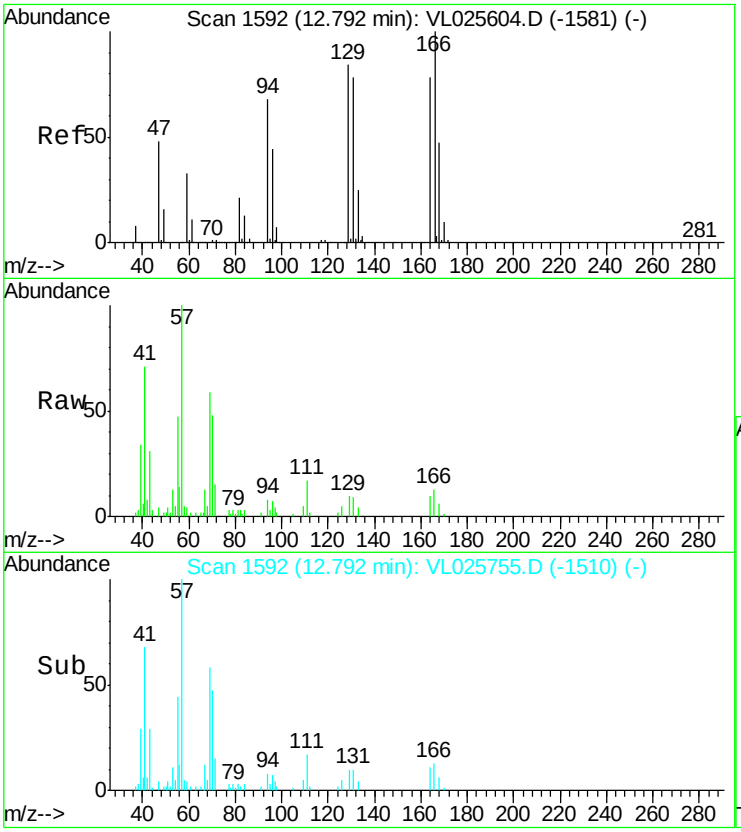


#44
2,2,4-Trimethylpentane
Concen: 0.05 ppbv
RT: 9.09 min Scan# 984
Delta R.T. -0.00 min
Lab File: VL025755.D
Acq: 27 Jul 2015 16:10

Tgt Ion: 57 Resp: 21155

Ion	Ratio	Lower	Upper
57	100		
41	52.8	31.2	46.8#
56	48.6	25.4	38.2#



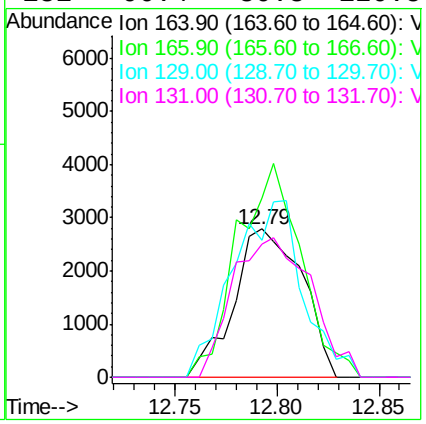


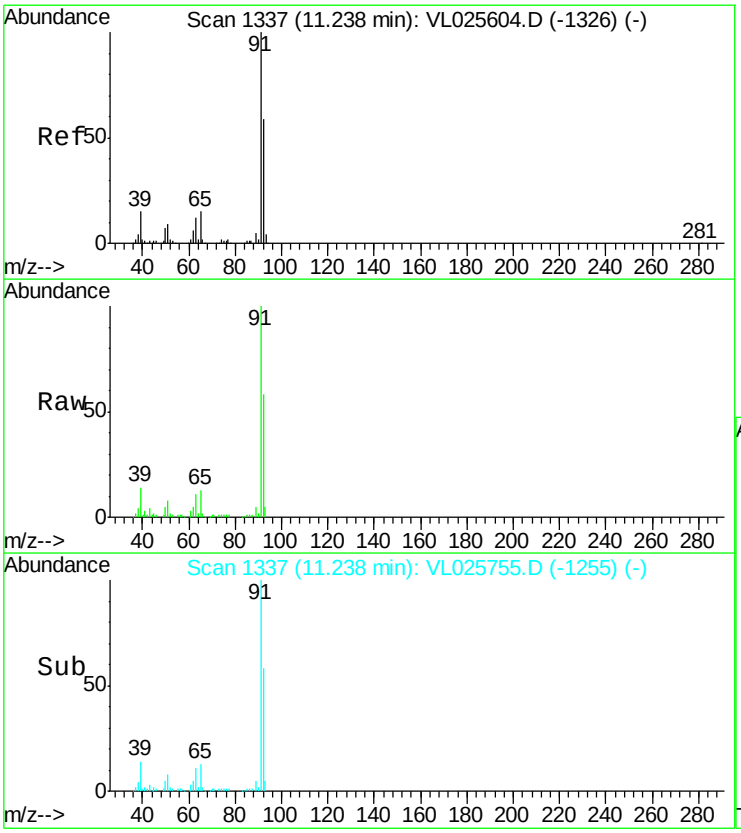
#52
Tetrachloroethene
Concen: 0.05 ppbv
RT: 12.79 min Scan# 1592
Delta R.T. -0.00 min
Lab File: VL025755.D
Acq: 27 Jul 2015 16:10

Instrument :
MSVOA_L
ClientSampleId :
PR1DL

Tgt Ion:164 Resp: 6517

Ion	Ratio	Lower	Upper
164	100		
166	120.9	102.3	153.5
129	92.8	86.2	129.4
131	90.4	80.3	120.5

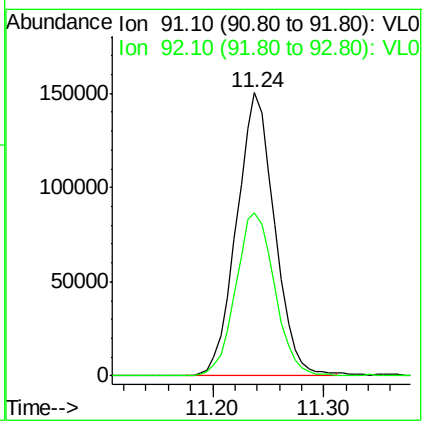


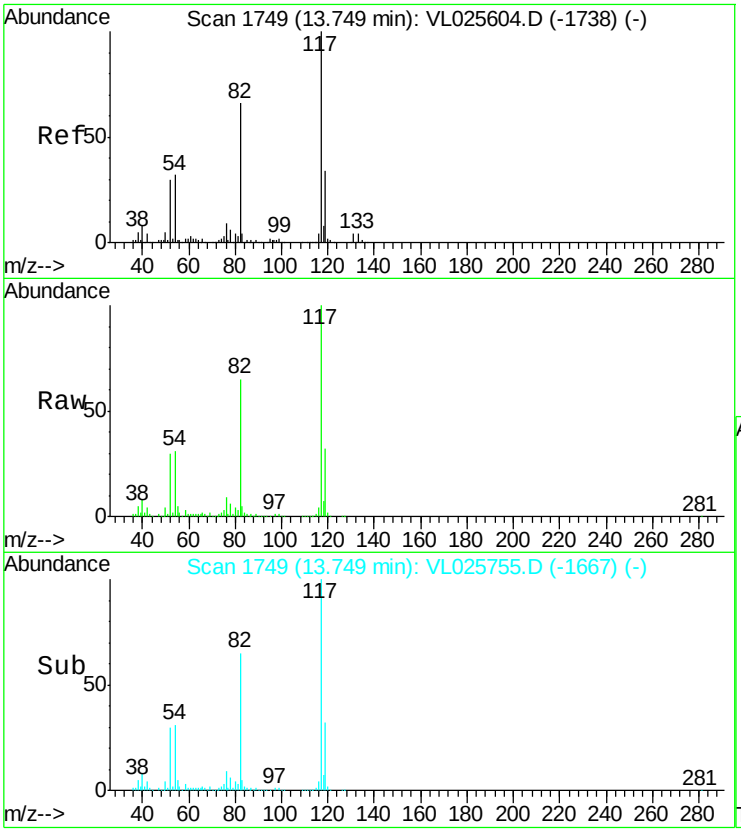


#53
Toluene
Concen: 1.06 ppbv
RT: 11.24 min Scan# 1337
Delta R.T. -0.00 min
Lab File: VL025755.D
Acq: 27 Jul 2015 16:10

Tgt Ion: 91 Resp: 355964

Ion	Ratio	Lower	Upper
91	100		
92	59.7	48.2	72.2



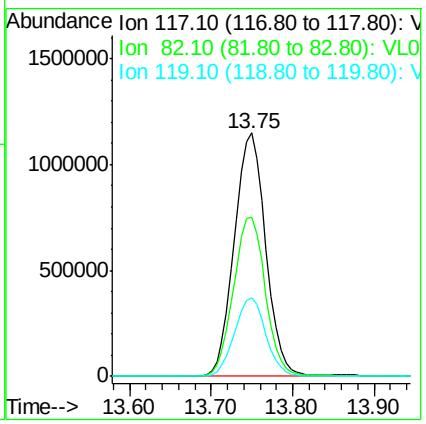


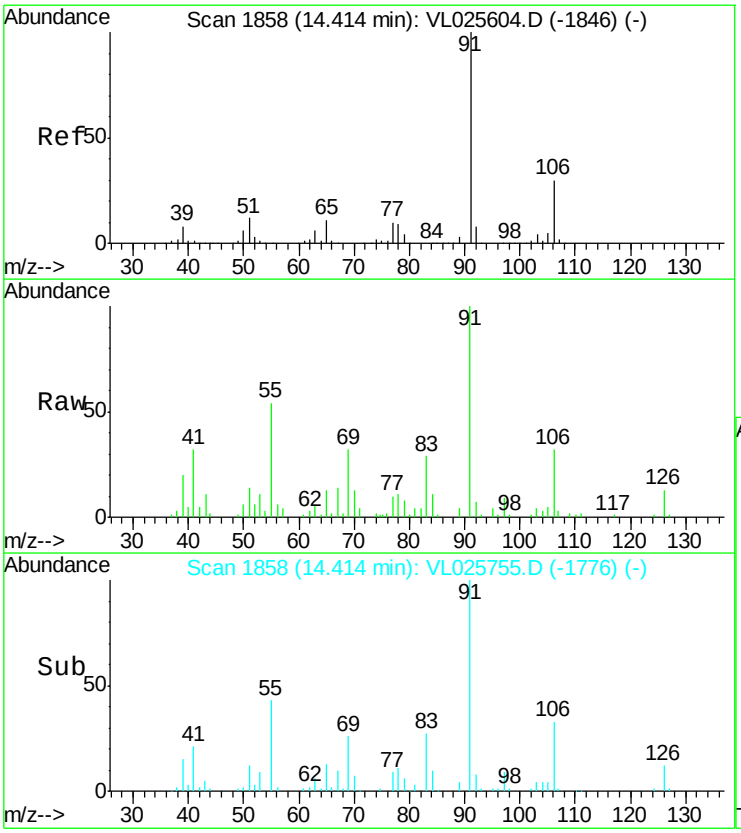
#55
Chlorobenzene-d5
Concen: 10.00 ppbv
RT: 13.75 min Scan# 1749
Delta R.T. -0.00 min
Lab File: VL025755.D
Acq: 27 Jul 2015 16:10

Instrument : MSVOA_L
ClientSampleId : PR1DL

Tgt Ion:117 Resp: 3078879

Ion	Ratio	Lower	Upper
117	100		
82	67.1	50.5	75.7
119	32.4	45.1	67.7#

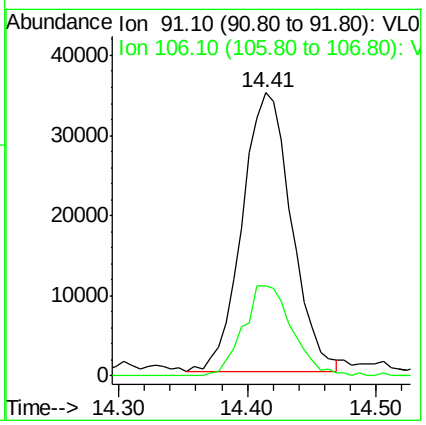


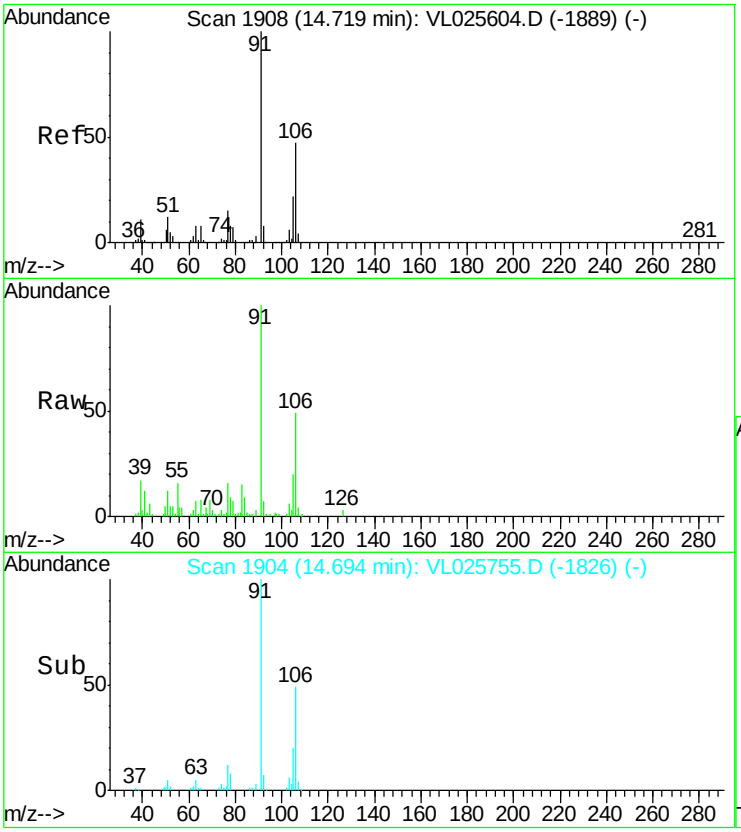


#58
Ethyl Benzene
Concen: 0.18 ppbv
RT: 14.41 min Scan# 1858
Delta R.T. -0.00 min
Lab File: VL025755.D
Acq: 27 Jul 2015 16:10

Tgt Ion: 91 Resp: 91831

Ion	Ratio	Lower	Upper
91	100		
106	32.6	24.2	36.2



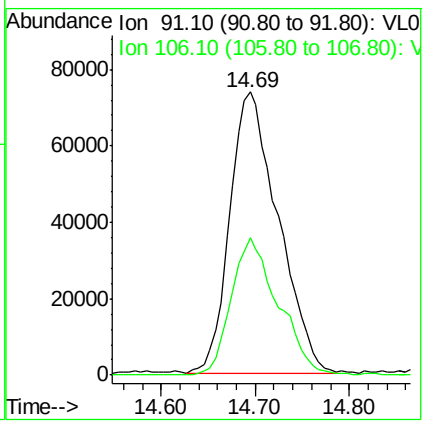


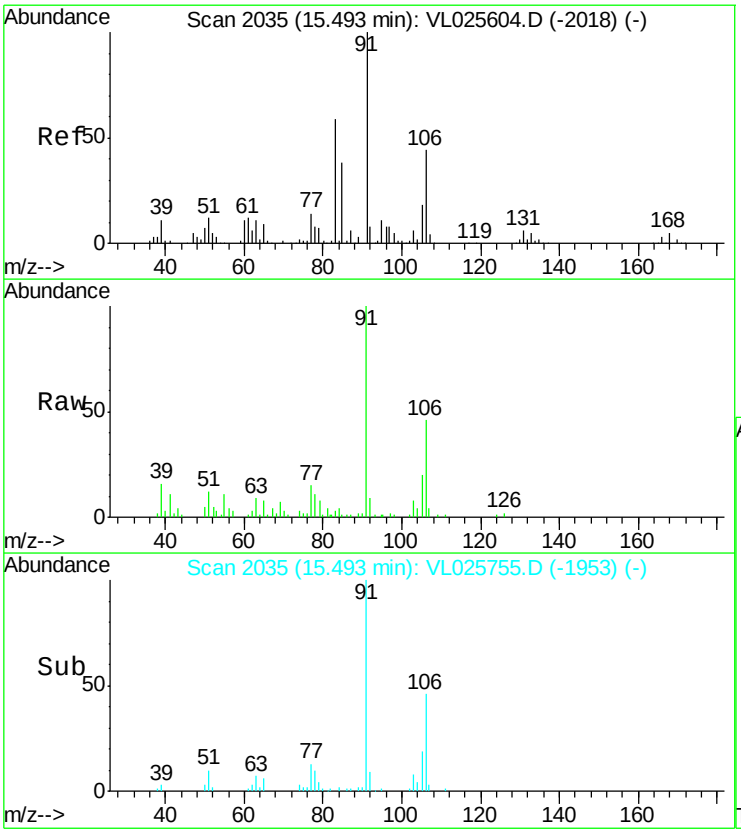
#59
m/p-Xylene
Concen: 0.59 ppbv
RT: 14.69 min Scan# 1904
Delta R.T. -0.02 min
Lab File: VL025755.D
Acq: 27 Jul 2015 16:10

Instrument :
MSVOA_L
ClientSampleId :
PR1DL

Tgt Ion: 91 Resp: 264342

Ion	Ratio	Lower	Upper
91	100		
106	47.2	37.9	56.9

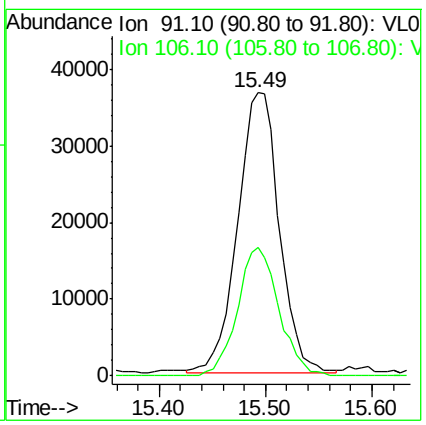


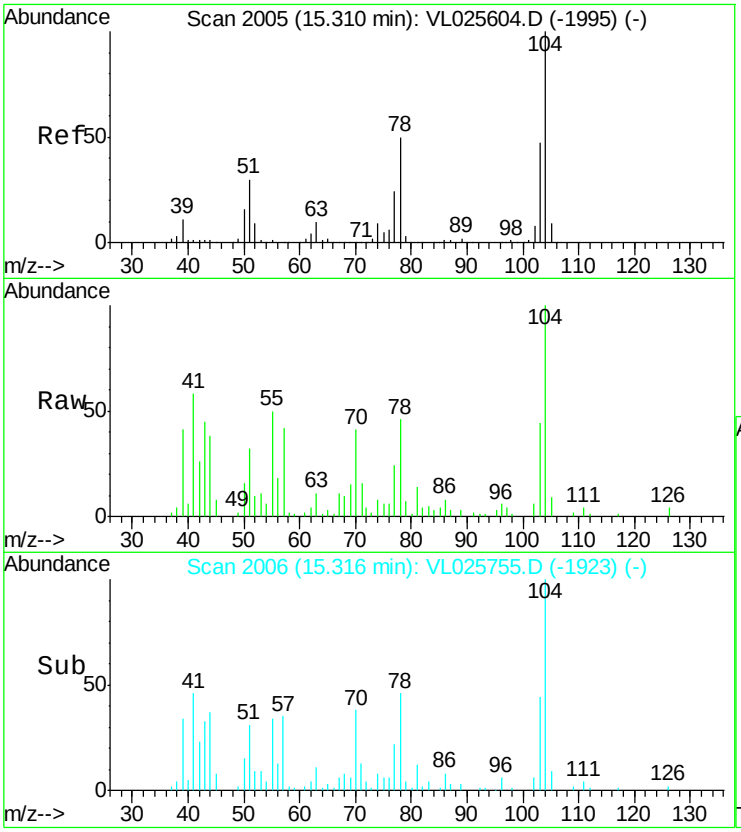


#60
o-Xylene
Concen: 0.21 ppbv
RT: 15.49 min Scan# 2035
Delta R.T. -0.00 min
Lab File: VL025755.D
Acq: 27 Jul 2015 16:10

Tgt Ion: 91 Resp: 99883

Ion	Ratio	Lower	Upper
91	100		
106	45.8	22.1	66.1



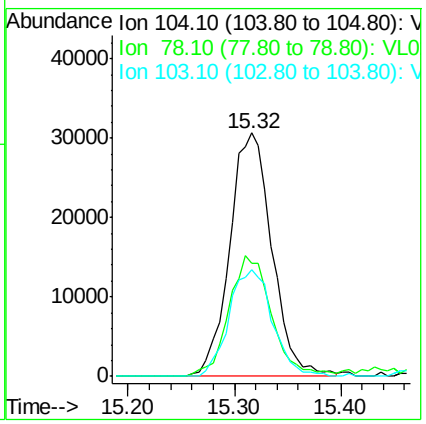


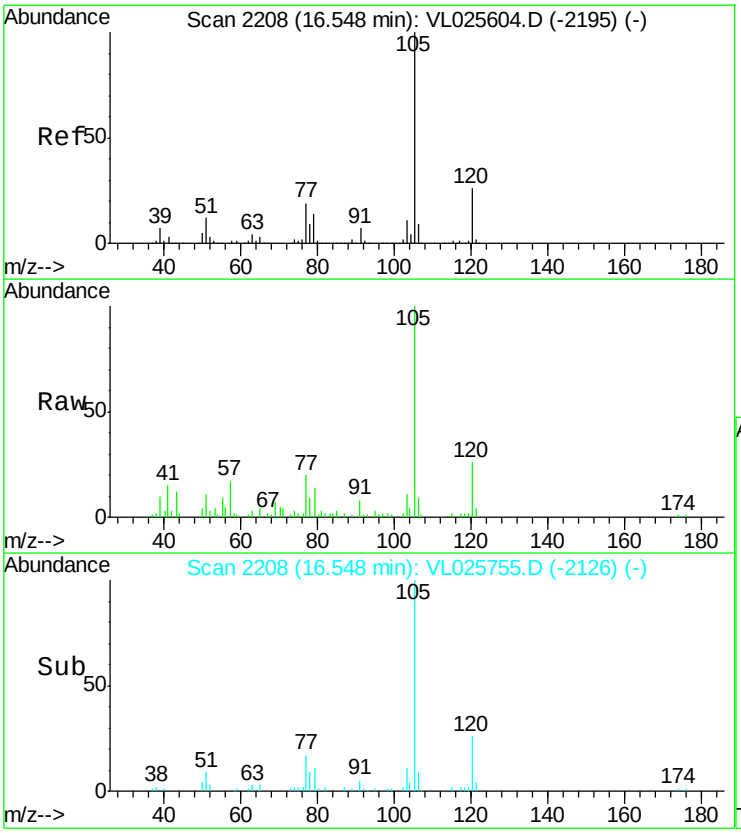
#61
Stvrene
Concen: 0.51 ppbv
RT: 15.32 min Scan# 2006
Delta R.T. 0.01 min
Lab File: VL025755.D
Acq: 27 Jul 2015 16:10

Instrument :
MSVOA_L
ClientSampleId :
PR1DL

Tgt Ion:104 Resp: 85219

Ion	Ratio	Lower	Upper
104	100		
78	51.0	40.2	60.4
103	45.2	37.4	56.2

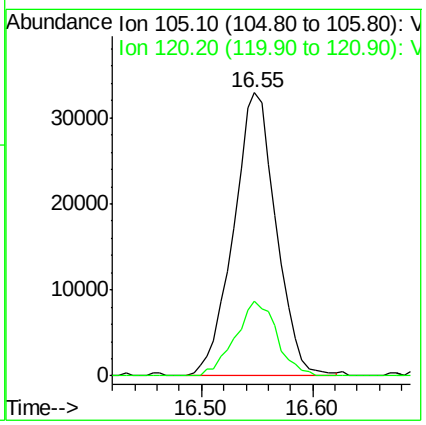


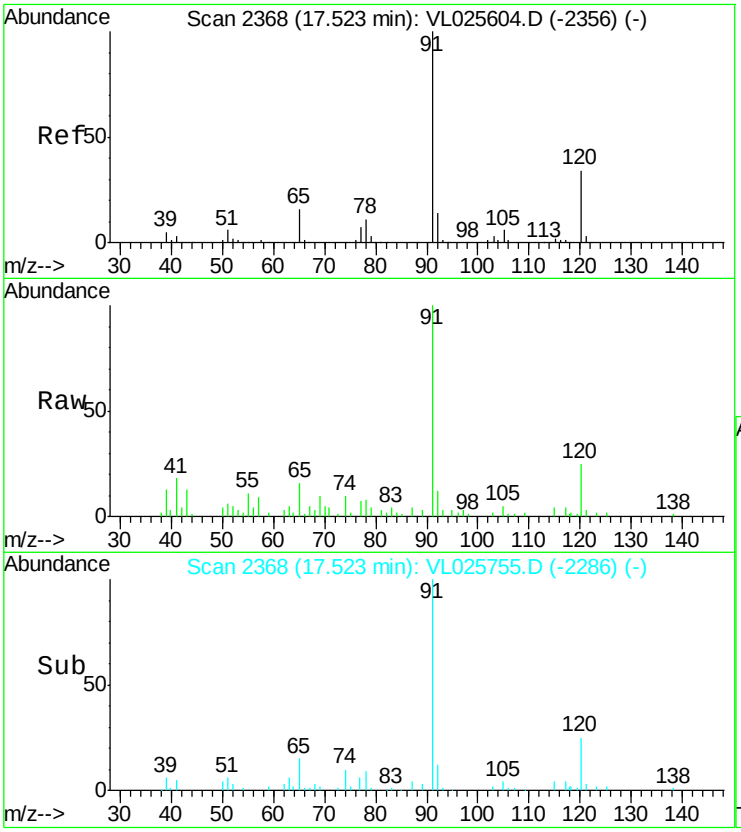


#62
Isopropylbenzene
Concen: 0.14 ppbv
RT: 16.55 min Scan# 2208
Delta R.T. -0.00 min
Lab File: VL025755.D
Acq: 27 Jul 2015 16:10

Tgt Ion:105 Resp: 87491

Ion	Ratio	Lower	Upper
105	100		
120	25.7	20.6	31.0



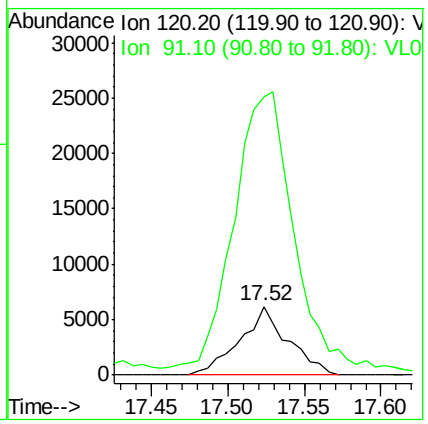


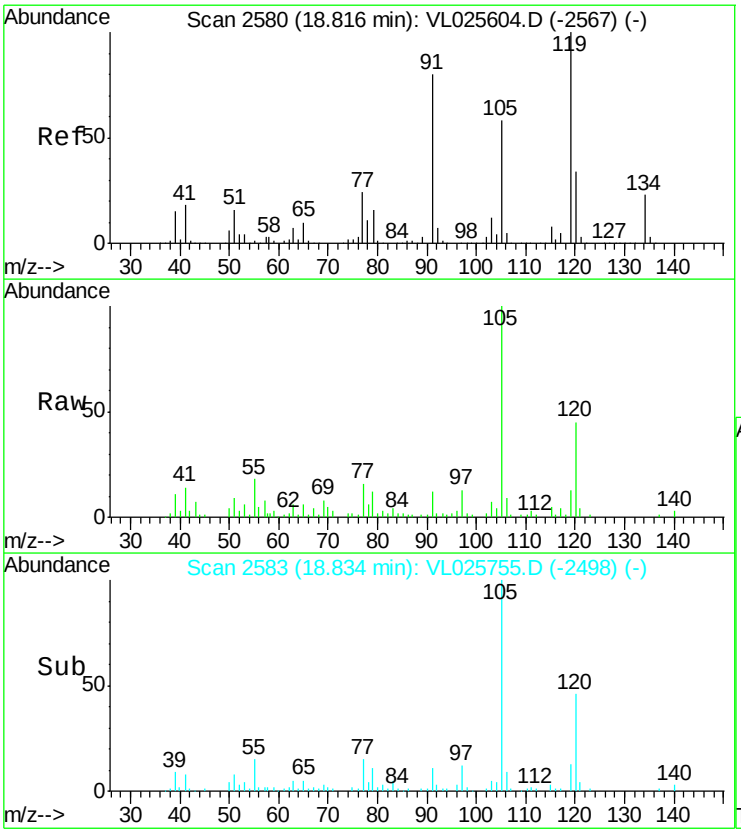
#64
n-propylbenzene
Concen: 0.08 ppbv
RT: 17.52 min Scan# 2368
Delta R.T. -0.00 min
Lab File: VL025755.D
Acq: 27 Jul 2015 16:10

Instrument : MSVOA_L
ClientSampleId : PR1DL

Tgt Ion:120 Resp: 13473

Ion	Ratio	Lower	Upper
120	100		
91	509.0	370.5	555.7

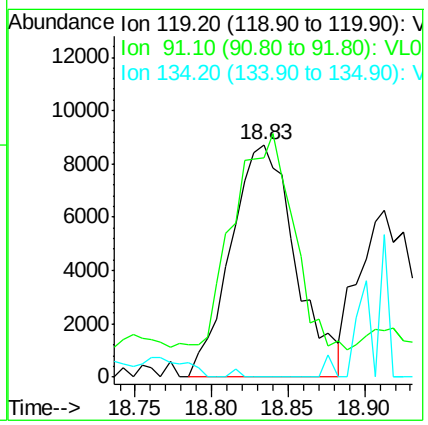


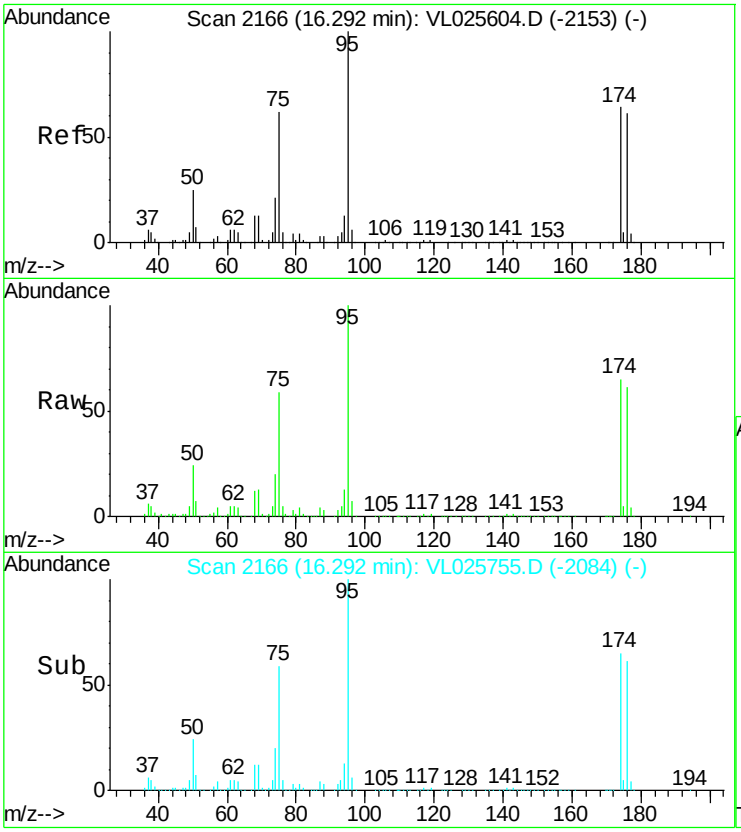


#65
tert-Butylbenzene
Concen: 0.04 ppbv
RT: 18.83 min Scan# 2583
Delta R.T. 0.02 min
Lab File: VL025755.D
Acq: 27 Jul 2015 16:10

Tgt Ion:119 Resp: 25485

Ion	Ratio	Lower	Upper
119	100		
91	106.0	64.5	96.7#
134	0.0	17.4	26.0#



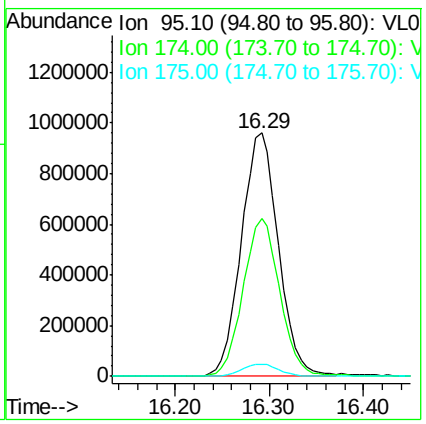


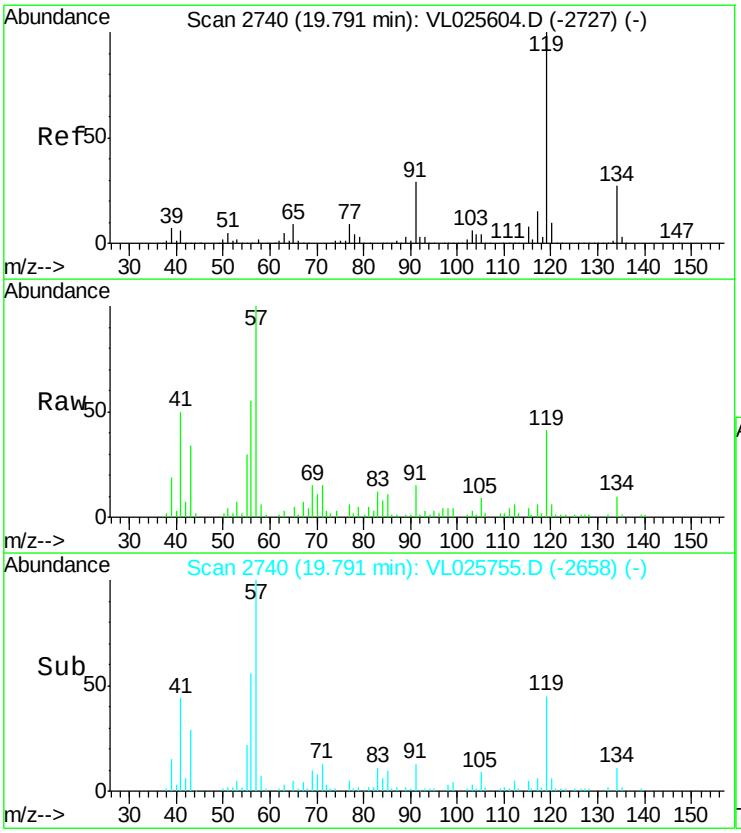
#68
1-Bromo-4-Fluorobenzene
Concen: 10.22 ppbv
RT: 16.29 min Scan# 2166
Delta R.T. -0.00 min
Lab File: VL025755.D
Acq: 27 Jul 2015 16:10

Instrument :
MSVOA_L
ClientSampleId :
PR1DL

Tgt Ion: 95 Resp: 2653479

Ion	Ratio	Lower	Upper
95	100		
174	64.8	52.0	78.0
175	5.1	3.9	5.9

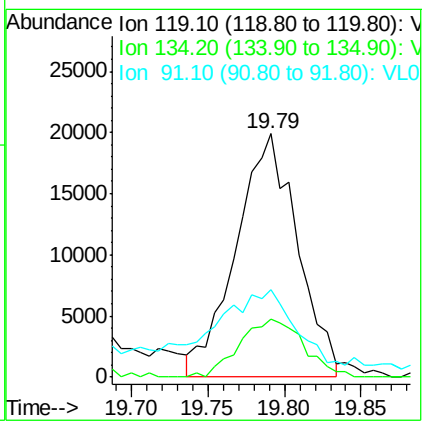


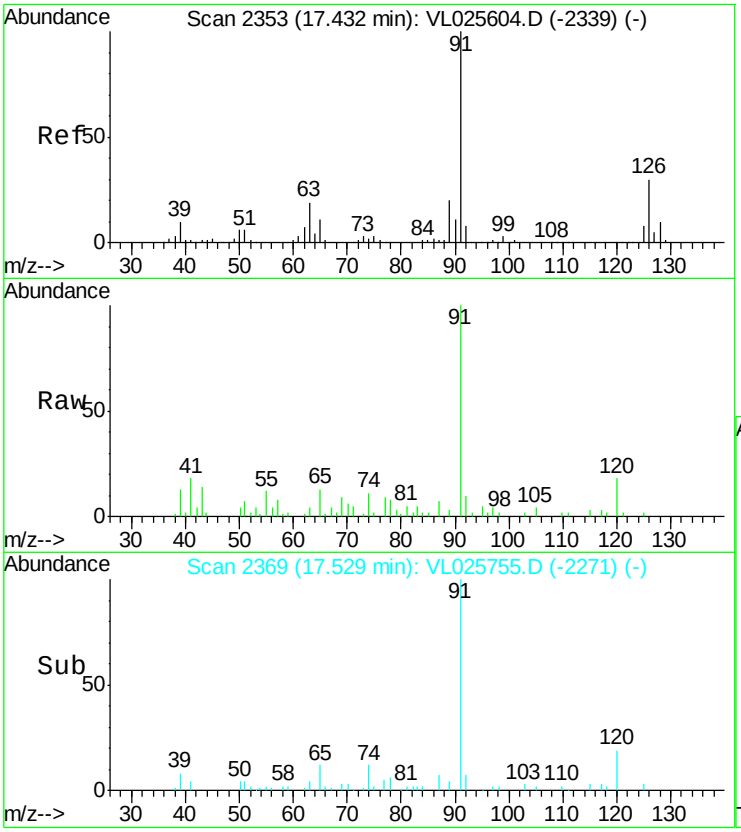


#69
p-Isopropyltoluene
Concen: 0.08 ppbv
RT: 19.79 min Scan# 2740
Delta R.T. -0.00 min
Lab File: VL025755.D
Acq: 27 Jul 2015 16:10

Tgt Ion:119 Resp: 55515

Ion	Ratio	Lower	Upper
119	100		
134	24.7	20.7	31.1
91	49.1	22.6	34.0#



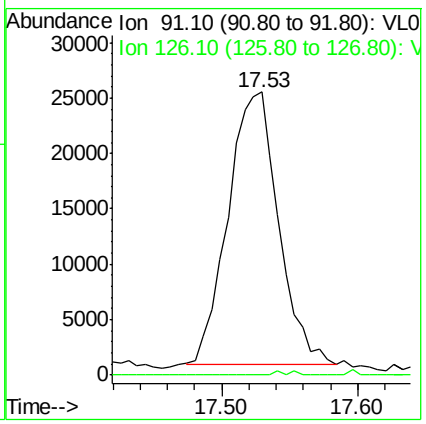


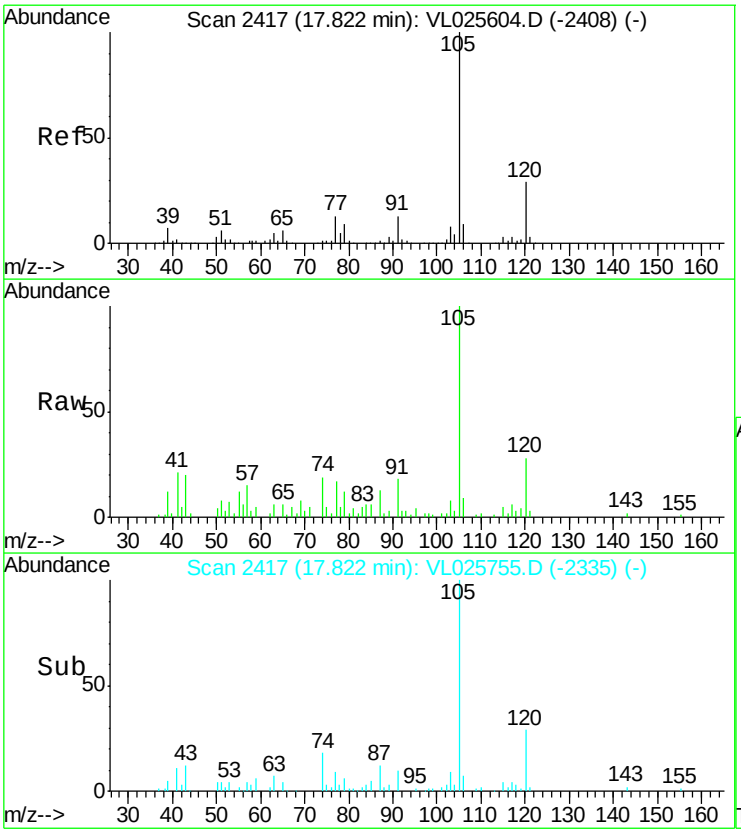
#71
2-Chlorotoluene
Concen: 0.14 ppbv
RT: 17.53 min Scan# 2369
Delta R.T. 0.10 min
Lab File: VL025755.D
Acq: 27 Jul 2015 16:10

Instrument : MSVOA_L
ClientSampleId : PR1DL

Tgt Ion: 91 Resp: 63356

Ion	Ratio	Lower	Upper
91	100		
126	0.4	12.2	49.0#

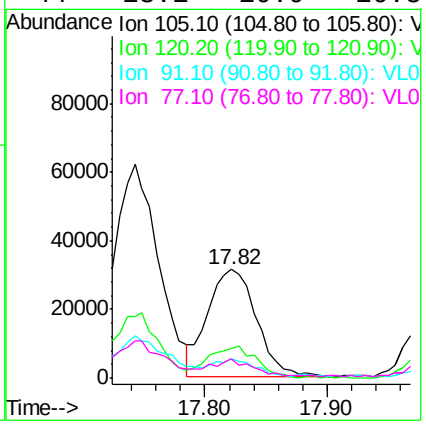


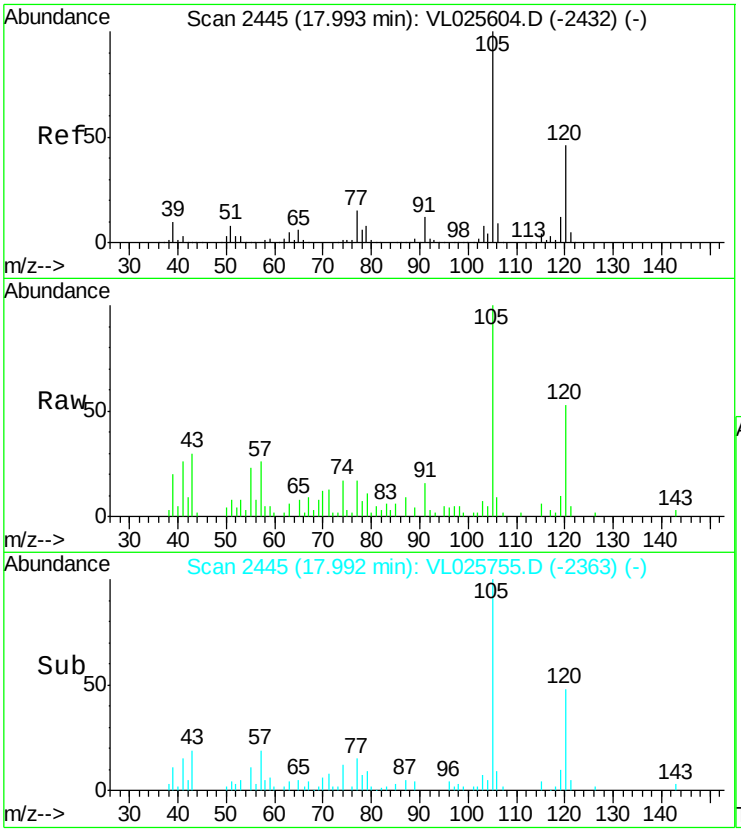


#72
4-Ethyltoluene
Concen: 0.16 ppbv
RT: 17.82 min Scan# 2417
Delta R.T. -0.00 min
Lab File: VL025755.D
Acq: 27 Jul 2015 16:10

Tgt Ion:105 Resp: 85865

Ion	Ratio	Lower	Upper
105	100		
120	26.9	23.9	35.9
91	13.3	10.3	15.5
77	13.1	10.9	16.3



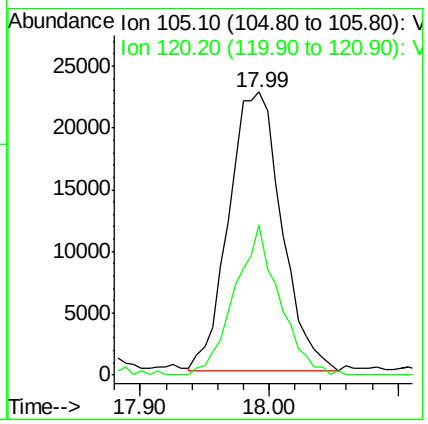


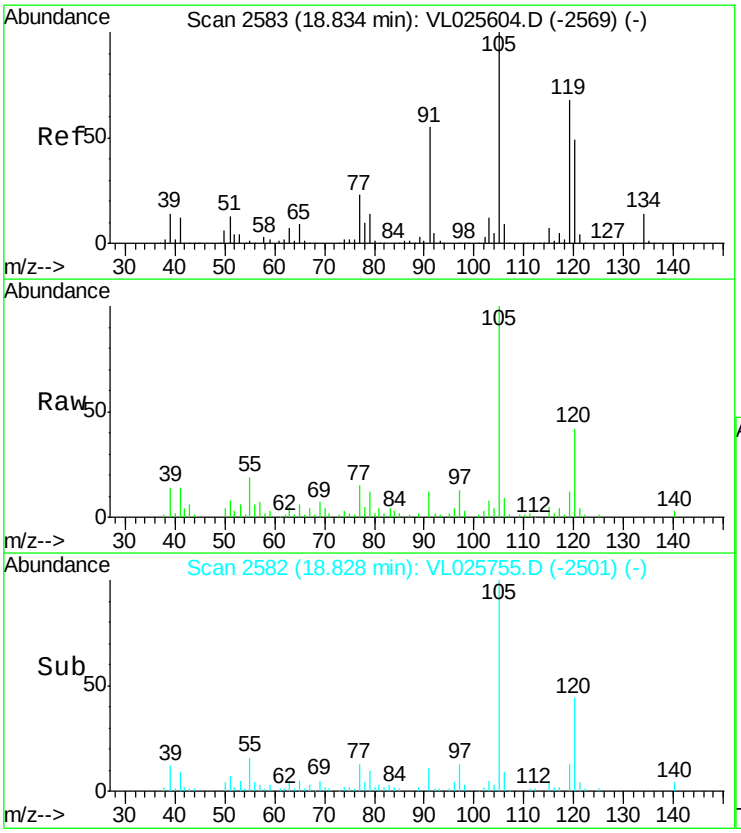
#73
1,3,5-Trimethylbenzene
Concen: 0.12 ppbv
RT: 17.99 min Scan# 2445
Delta R.T. -0.00 min
Lab File: VL025755.D
Acq: 27 Jul 2015 16:10

Instrument :
MSVOA_L
ClientSampleId :
PR1DL

Tgt Ion:105 Resp: 64505

Ion	Ratio	Lower	Upper
105	100		
120	54.0	37.0	55.4

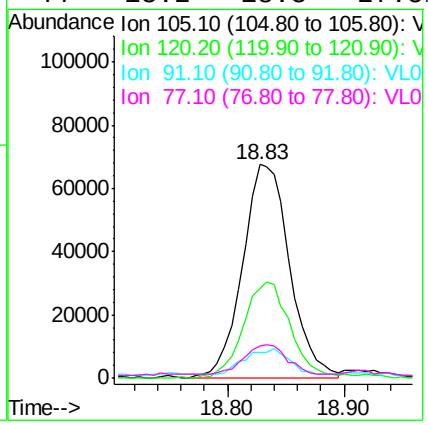


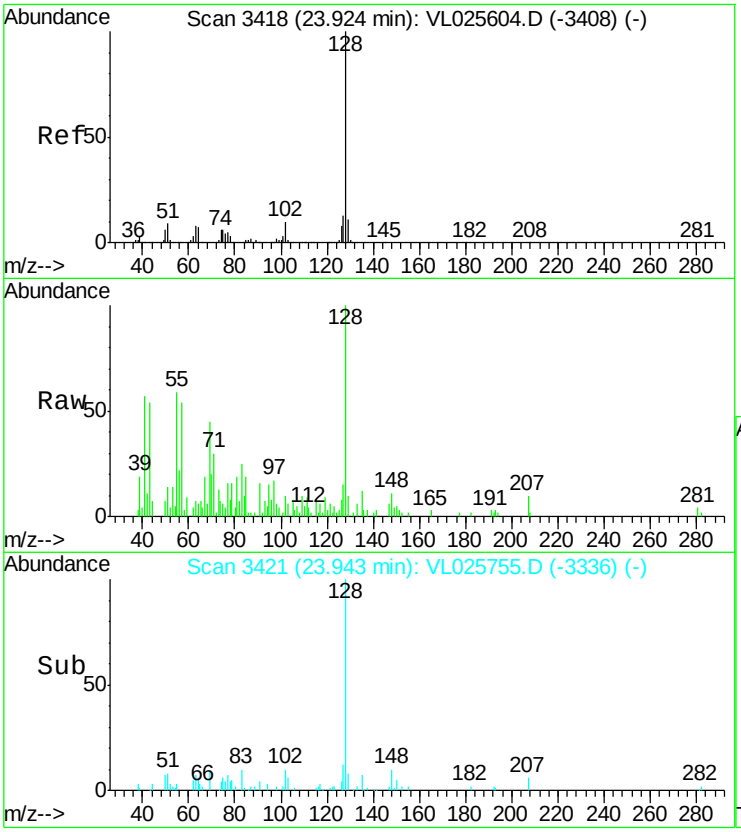


#74
1,2,4-Trimethylbenzene
Concen: 0.33 ppbv
RT: 18.83 min Scan# 2582
Delta R.T. -0.01 min
Lab File: VL025755.D
Acq: 27 Jul 2015 16:10

Tgt Ion:105 Resp: 190495

Ion	Ratio	Lower	Upper
105	100		
120	42.0	39.3	58.9
91	10.3	43.8	65.6#
77	13.2	18.3	27.5#





#79
Naphthalene
Concen: 0.08 ppbv
RT: 23.94 min Scan# 3421
Delta R.T. 0.02 min
Lab File: VL025755.D
Acq: 27 Jul 2015 16:10

Instrument :
MSVOA_L
ClientSampleId :
PR1DL

Tgt Ion:128 Resp: 44108

Ion	Ratio	Lower	Upper
128	100		
127	13.1	10.8	16.2
129	10.3	9.0	13.4