Quantitation Report (Not Reviewed)

Data Path : W:\HPCHEM1\MSVOA_L\Data\VL073115\
Data File : VL025808.D
Acq On : 31 Jul 2015 11:21
Operator : SY/MD
Sample : VL0731ABS01
Misc : 400mL/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_L
ClientSampleId : VL0731ABS01

Quant Time: Jul 31 12:37:06 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	6.67	49	583578	10.00	ppbv		0.01
33) 1,4-Difluorobenzene	8.34	114	1580603	10.00	ppbv		0.01
55) Chlorobenzene-d5	13.77	117	2575409	10.00	ppbv		0.02
System Monitoring Compounds							
68) 1-Bromo-4-Fluorobenzene	16.31	95	1840783	8.47	ppbv		0.02
Spiked Amount 10.000	Range 65 - 135		Recovery = 84.70%				
Target Compounds							Qvalue
2) Dichlorodifluoromethane	3.65	85	894164	5.92	ppbv		98
3) Chlorodifluoromethane	3.57	51	630125	7.66	ppbv		98
4) Chloromethane	3.76	50	300541	8.01	ppbv		99
5) Vinyl Chloride	3.89	62	327842	8.09	ppbv		99
6) Bromomethane	4.15	94	284110	8.64	ppbv		99
7) Chloroethane	4.25	64	150368	7.97	ppbv		96
8) Dichlorotetrafluoroethane	3.81	85	1081671	8.16	ppbv		99
9) Propene	3.60	41	197629	7.23	ppbv		98
10) Heptane	9.37	43	921396	8.66	ppbv		100
11) Trichlorofluoromethane	4.70	101	1704526	8.69	ppbv		98
12) 1,1,2-Trichlorotrifluoroet	5.31	101	968816	8.62	ppbv		100
13) Ethanol	4.35	45	10055	2.37	ppbv	#	1
14) Bromoethene	4.46	108	306940	8.32	ppbv		97
15) Acetone	4.60	43	1260078	12.22	ppbv		98
16) 1,3-Butadiene	3.98	39	332810	8.11	ppbv		98
17) tert-Butyl alcohol	5.13	59	779003	9.01	ppbv		100
18) 1,1-Dichloroethene	5.09	96	370089	8.60	ppbv		96
19) Isopropyl Alcohol	4.75	45	304996	7.41	ppbv	#	95
20) Methylene Chloride	5.16	84	330130	7.88	ppbv		93
21) Allyl Chloride	5.23	41	510336	7.91	ppbv		94
22) trans-1,2-Dichloroethene	5.78	96	357783	8.14	ppbv		97
23) Vinyl Acetate	5.99	43	1452622	9.30	ppbv		98
24) 1,1-Dichloroethane	5.92	63	856588	8.18	ppbv		99
25) Ethyl Acetate	6.68	43	1292012	8.28	ppbv		99
26) Hexane	6.67	57	601405	8.19	ppbv		97
27) Carbon Disulfide	5.40	76	1026544	8.63	ppbv		98
28) Methyl tert-Butyl Ether	5.96	73	1258012	8.61	ppbv		99
29) Chloroform	6.76	83	1230277	8.48	ppbv		98
30) Cyclohexane	8.30	84	614837	8.76	ppbv		98
31) cis-1,2-Dichloroethene	6.53	61	637902	8.74	ppbv		99
32) 1,1,1-Trichloroethane	7.61	97	1400910	8.89	ppbv		99
34) 2-Butanone	6.21	43	802686	8.95	ppbv		99
35) Carbon Tetrachloride	8.18	117	1498469	8.90	ppbv		98
36) Benzene	8.04	78	1317428	8.70	ppbv		99
37) 1,2-Dichloroethane	7.38	62	1113335	8.61	ppbv		99
38) Trichloroethene	9.08	130	628694	8.93	ppbv		97
39) 1,2-Dichloropropane	8.84	63	465251	8.32	ppbv		92
40) 1,4-Dioxane	9.15	88	35173	4.01	ppbv	#	1
41) Tetrahydrofuran	7.13	42	387277	8.65	ppbv		99
42) Bromodichloromethane	9.04	83	1405258	9.01	ppbv		99
43) Methyl Methacrylate	9.27	69	550503	9.48	ppbv		100

Quantitation Report (Not Reviewed)

Data Path : W:\HPCHEM1\MSVOA_L\Data\VL073115\
Data File : VL025808.D
Acq On : 31 Jul 2015 11:21
Operator : SY/MD
Sample : VL0731ABS01
Misc : 400mL/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_L
ClientSampleId : VL0731ABS01

Quant Time: Jul 31 12:37:06 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)
44) 2,2,4-Trimethylpentane	9.10	57	2265043	8.72	ppbv		98
45) t-1,3-Dichloropropene	10.66	75	919817	9.41	ppbv		99
46) cis-1,3-Dichloropropene	10.04	75	1016562	9.41	ppbv		99
47) 1,1,2-Trichloroethane	10.90	97	676593	8.70	ppbv		98
48) Dibromochloromethane	11.82	129	1289771	9.26	ppbv		100
49) Bromoform	14.83	173	1052197	9.17	ppbv		99
50) 4-Methyl-2-Pentanone	10.10	43	1222610	9.46	ppbv		100
51) 2-Hexanone	11.63	43	1163232	10.04	ppbv	#	98
52) Tetrachloroethene	12.81	164	707903	9.32	ppbv		99
53) Toluene	11.26	91	1988133	9.34	ppbv		100
54) 1,2-Dibromoethane	12.16	107	1121152	8.91	ppbv		99
56) 1,1,1,2-Tetrachloroethane	13.80	131	985579	7.08	ppbv		98
57) Chlorobenzene	13.83	112	1816596	6.63	ppbv		99
58) Ethyl Benzene	14.43	91	3213774	7.56	ppbv		99
59) m/p-Xylene	14.73	91	5348883	14.31	ppbv		98
60) o-Xylene	15.51	91	2861366	7.11	ppbv		99
61) Styrene	15.33	104	1196883	8.49	ppbv		99
62) Isopropylbenzene	16.57	105	3880926	7.38	ppbv		100
63) 1,1,2,2-Tetrachloroethane	15.51	83	1758045	6.46	ppbv		99
64) n-propylbenzene	17.54	120	1042381	7.33	ppbv		97
65) tert-Butylbenzene	18.83	119	3688682	7.14	ppbv		98
66) Benzyl Chloride	19.12	91	1165604	6.15	ppbv		99
67) sec-Butylbenzene	19.43	105	5266992	7.28	ppbv		100
69) p-Isopropyltoluene	19.81	119	4550969	7.63	ppbv		99
70) n-Butylbenzene	20.78	91	4524682	7.48	ppbv		99
71) 2-Chlorotoluene	17.45	91	2944645	7.63	ppbv		100
72) 4-Ethyltoluene	17.84	105	3396982	7.63	ppbv		99
73) 1,3,5-Trimethylbenzene	18.01	105	3282217	7.50	ppbv		99
74) 1,2,4-Trimethylbenzene	18.85	105	3486603	7.12	ppbv		99
75) 1,3-Dichlorobenzene	19.14	146	2178403	6.83	ppbv		99
76) 1,4-Dichlorobenzene	19.29	146	2225395	6.96	ppbv		99
77) 1,2-Dichlorobenzene	20.05	146	2184445	6.90	ppbv		99
78) Hexachloro-1,3-Butadiene	24.69	225	1246130	6.40	ppbv		99
79) Naphthalene	23.94	128	3132682	6.62	ppbv		99
80) Naphthalene,2-methyl-	26.05	142	546978	3.98	ppbv		99
81) 1,2,4-Trichlorobenzene	23.75	180	1637344	7.22	ppbv		99

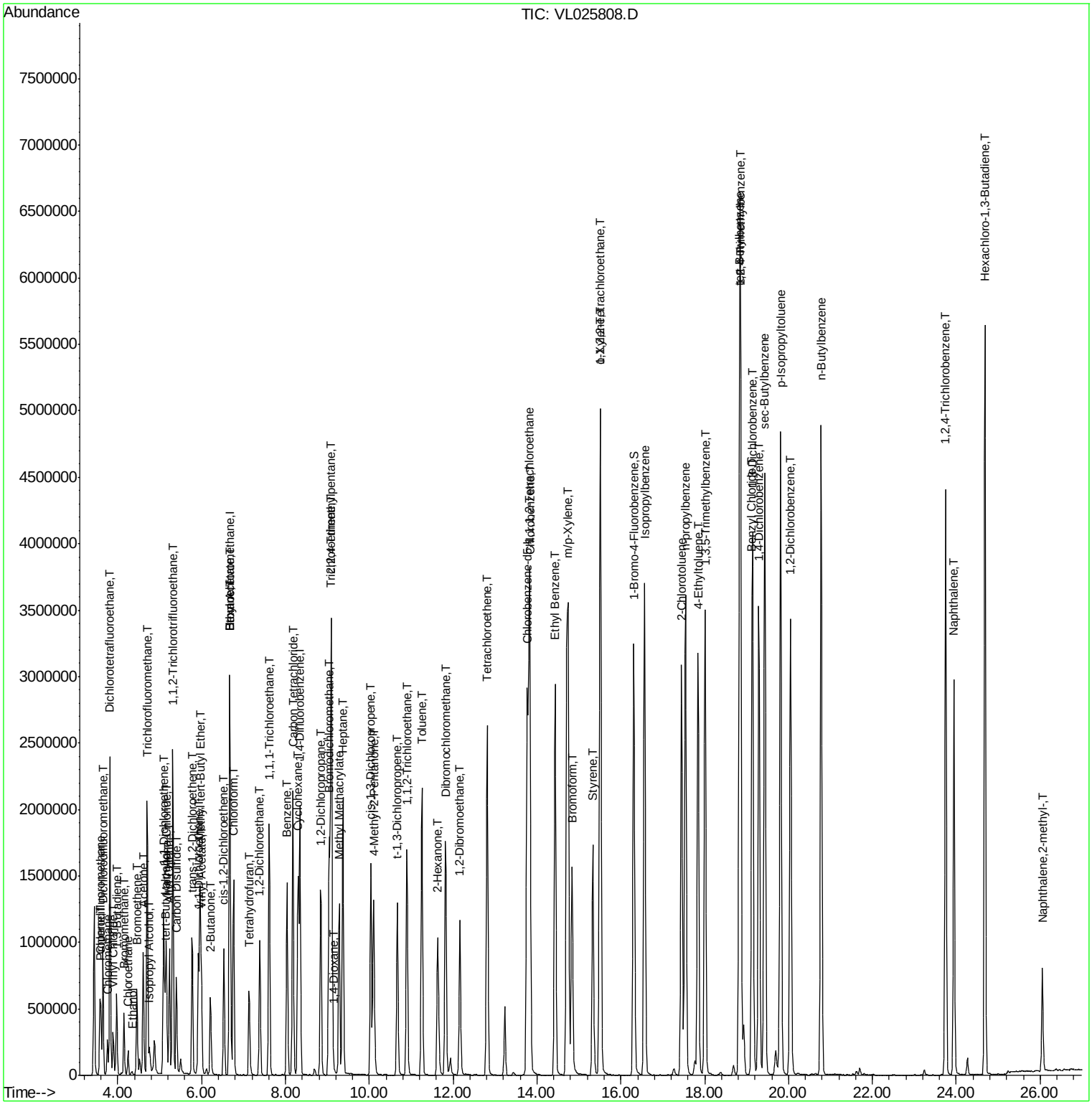
(#) = qualifier out of range (m) = manual integration (+) = signals summed

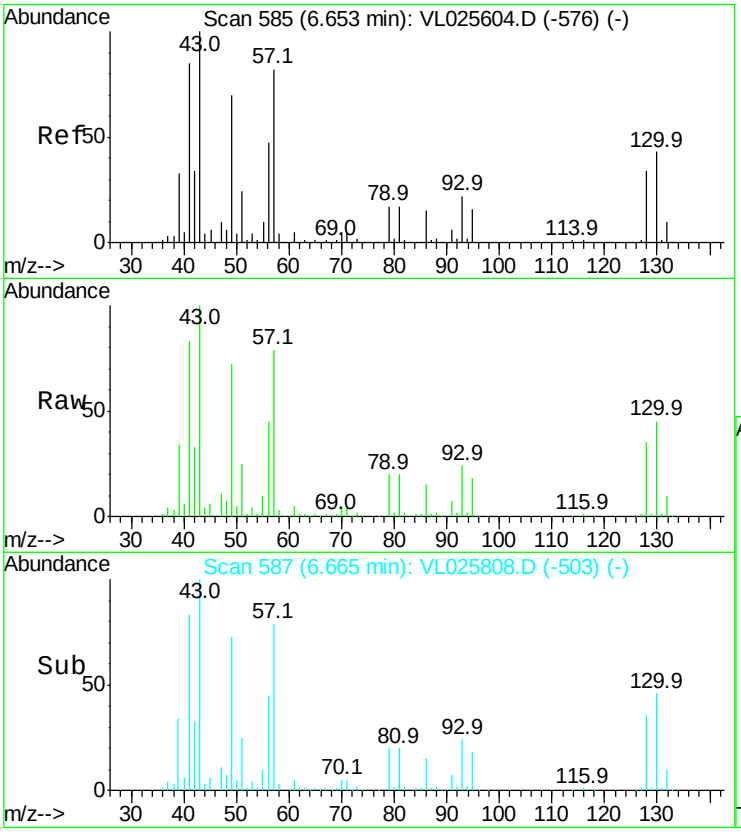
Quantitation Report (Not Reviewed)

Data Path : W:\HPCHEM1\MSVOA_L\Data\VL073115\
Data File : VL025808.D
Acq On : 31 Jul 2015 11:21
Operator : SY/MD
Sample : VL0731ABS01
Misc : 400mL/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_L
ClientSampleId : VL0731ABS01

Quant Time: Jul 31 12:37:06 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



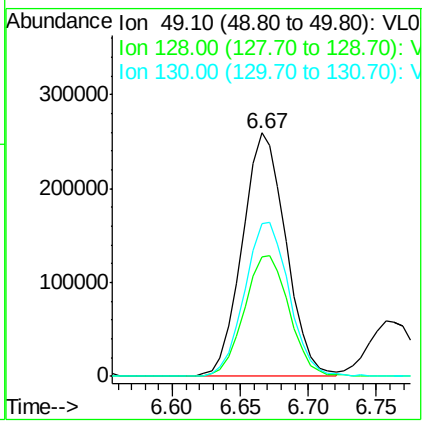


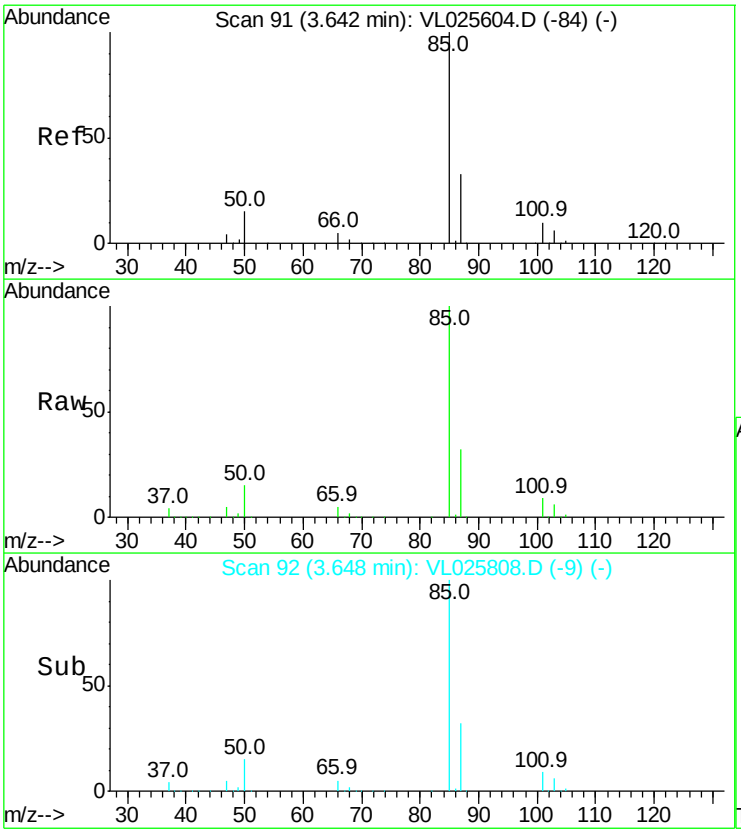
#1
Bromochloromethane
Concen: 10.00 ppbv
RT: 6.67 min Scan# 587
Delta R.T. 0.01 min
Lab File: VL025808.D
Acq: 31 Jul 2015 11:21

Instrument :
MSVOA_L
ClientSampleId :
VL0731ABS01

Tgt Ion: 49 Resp: 583578

Ion	Ratio	Lower	Upper
49	100		
128	51.2	25.4	76.0
130	64.7	31.9	95.9

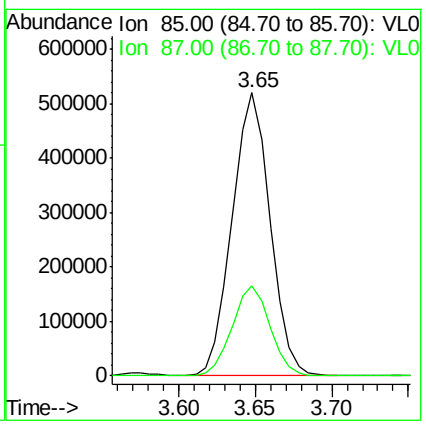


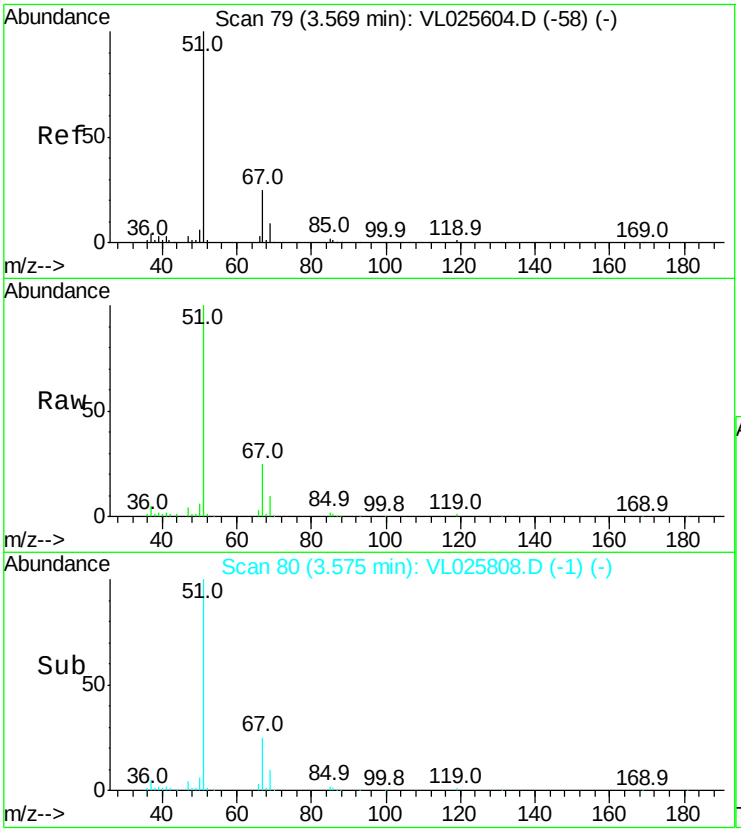


#2
Dichlorodifluoromethane
Concen: 5.92 ppbv
RT: 3.65 min Scan# 92
Delta R.T. 0.01 min
Lab File: VL025808.D
Acq: 31 Jul 2015 11:21

Tgt Ion: 85 Resp: 894164

Ion	Ratio	Lower	Upper
85	100		
87	31.9	26.5	39.7



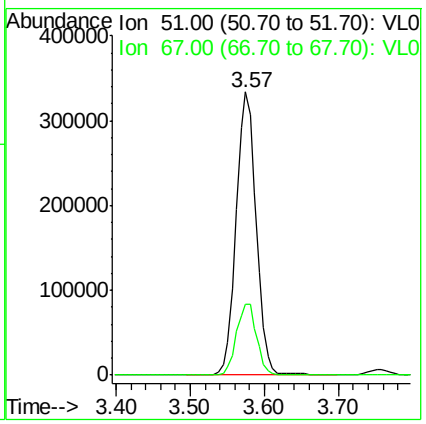


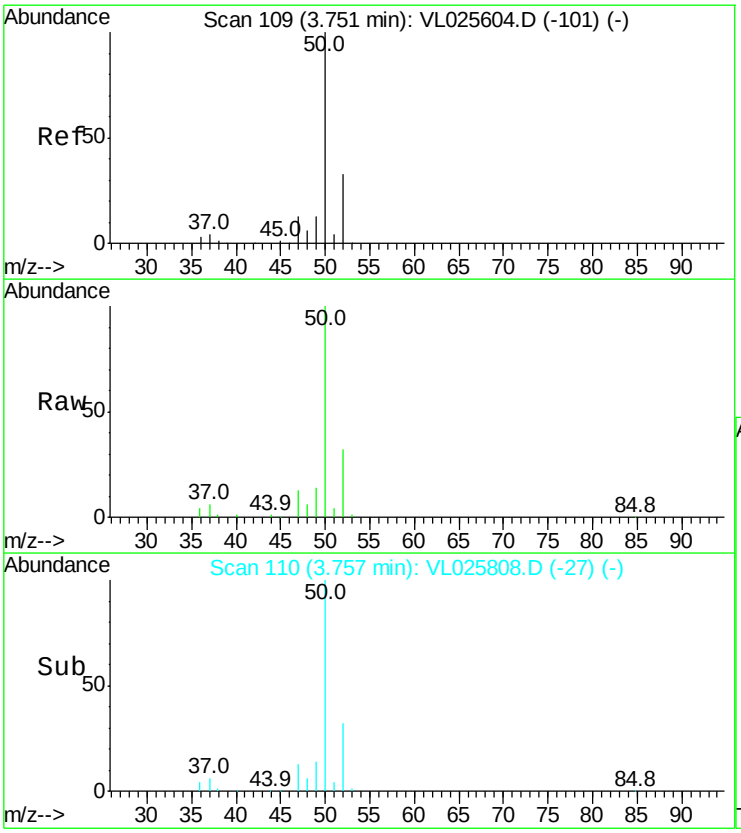
#3
Chlorodifluoromethane
Concen: 7.66 ppbv
RT: 3.57 min Scan# 80
Delta R.T. 0.01 min
Lab File: VL025808.D
Acq: 31 Jul 2015 11:21

Instrument :
MSVOA_L
ClientSampleId :
VL0731ABS01

Tgt Ion: 51 Resp: 630125

Ion	Ratio	Lower	Upper
51	100		
67	25.4	19.5	29.3

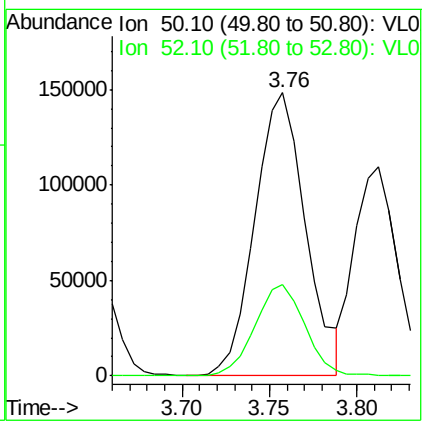


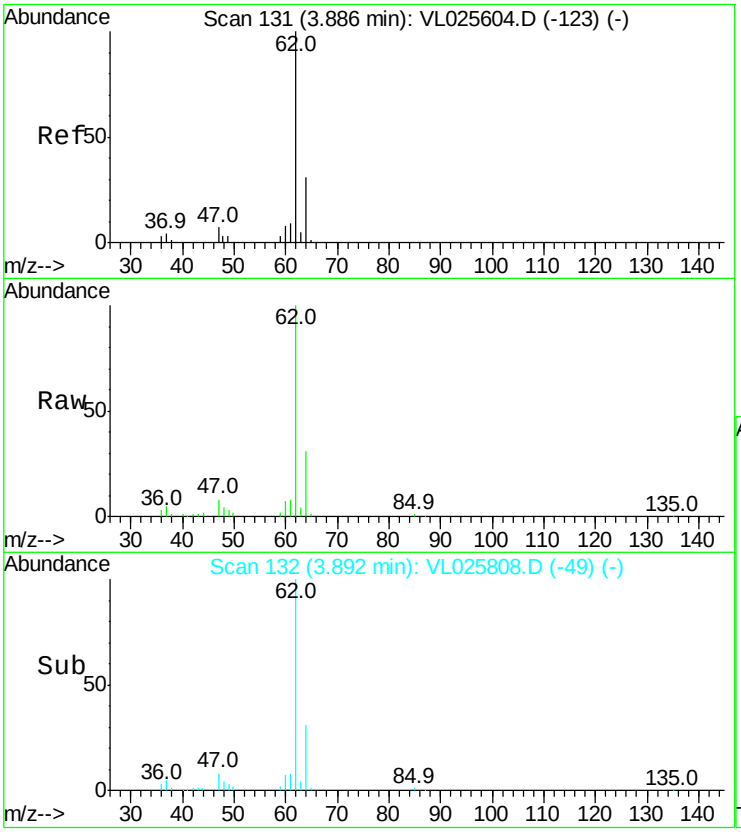


#4
Chloromethane
Concen: 8.01 ppbv
RT: 3.76 min Scan# 110
Delta R.T. 0.01 min
Lab File: VL025808.D
Acq: 31 Jul 2015 11:21

Tgt Ion: 50 Resp: 300541

Ion	Ratio	Lower	Upper
50	100		
52	32.4	26.2	39.2



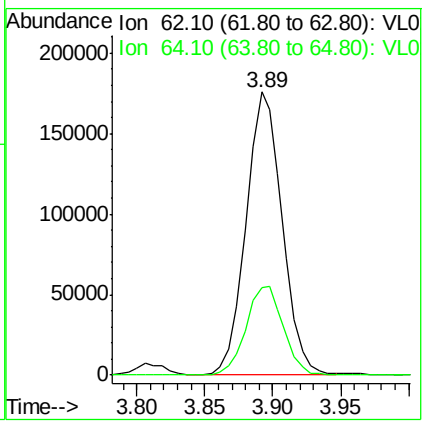


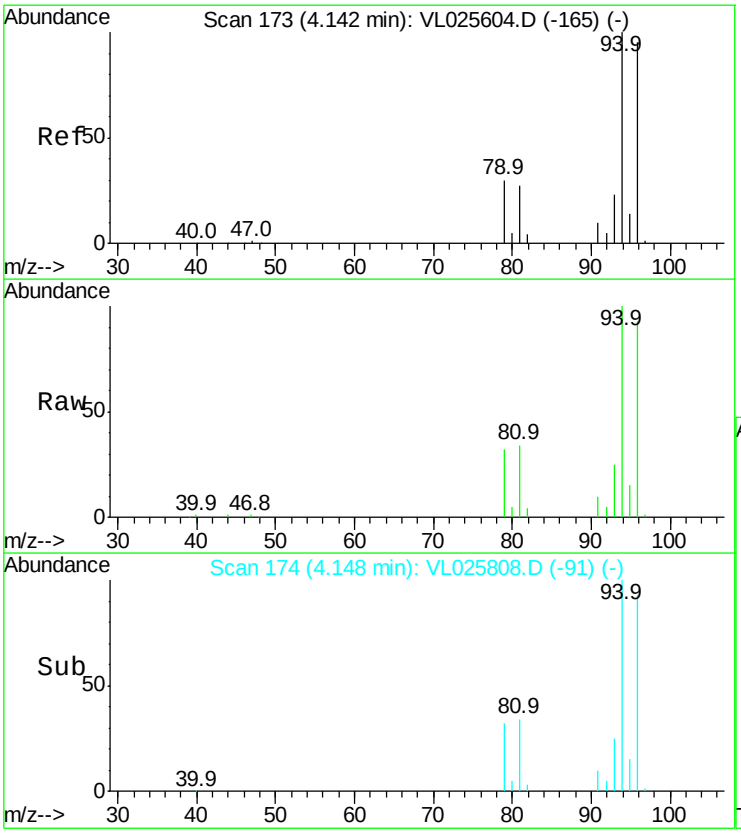
#5
Vinyl Chloride
Concen: 8.09 ppbv
RT: 3.89 min Scan# 132
Delta R.T. 0.01 min
Lab File: VL025808.D
Acq: 31 Jul 2015 11:21

Instrument : MSVOA_L
ClientSampleId : VL0731ABS01

Tgt Ion: 62 Resp: 327842

Ion	Ratio	Lower	Upper
62	100		
64	30.9	25.0	37.6

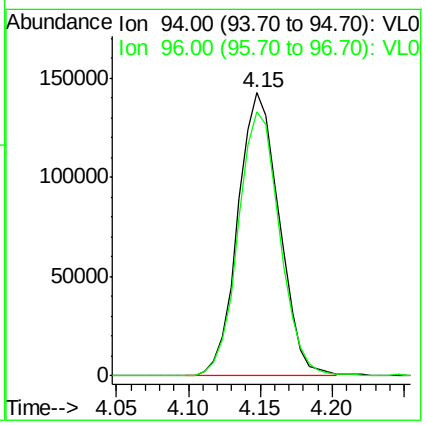


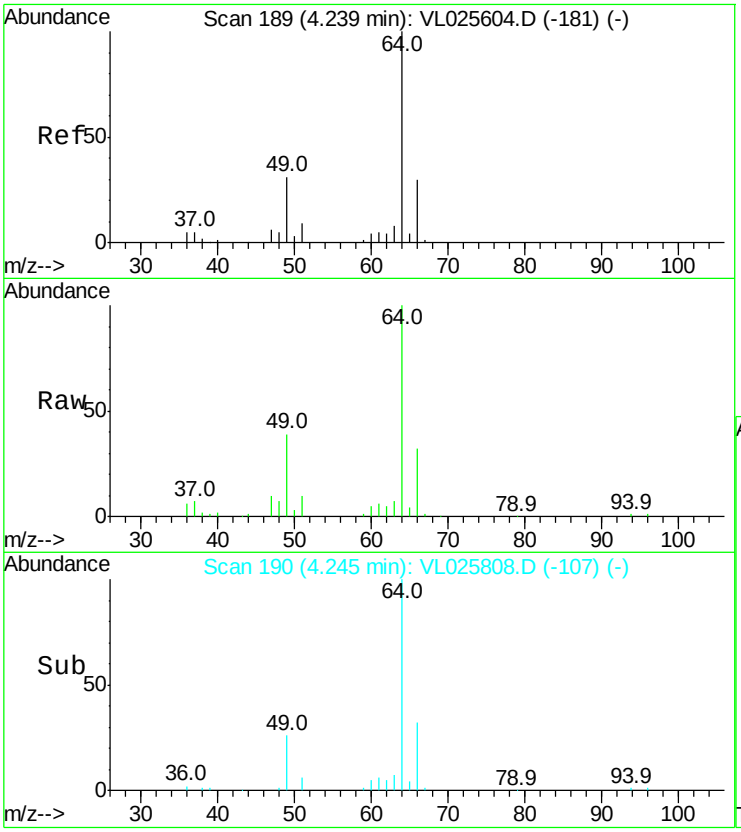


#6
Bromomethane
Concen: 8.64 ppbv
RT: 4.15 min Scan# 174
Delta R.T. 0.01 min
Lab File: VL025808.D
Acq: 31 Jul 2015 11:21

Tgt Ion: 94 Resp: 284110

Ion	Ratio	Lower	Upper
94	100		
96	93.5	75.9	113.9



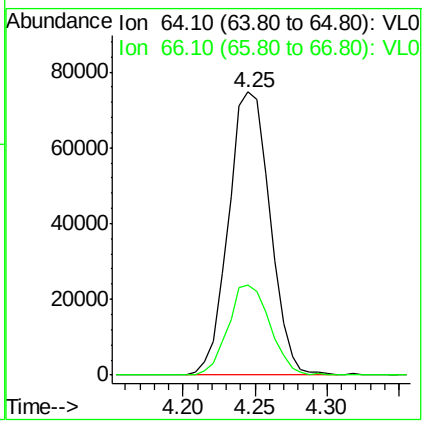


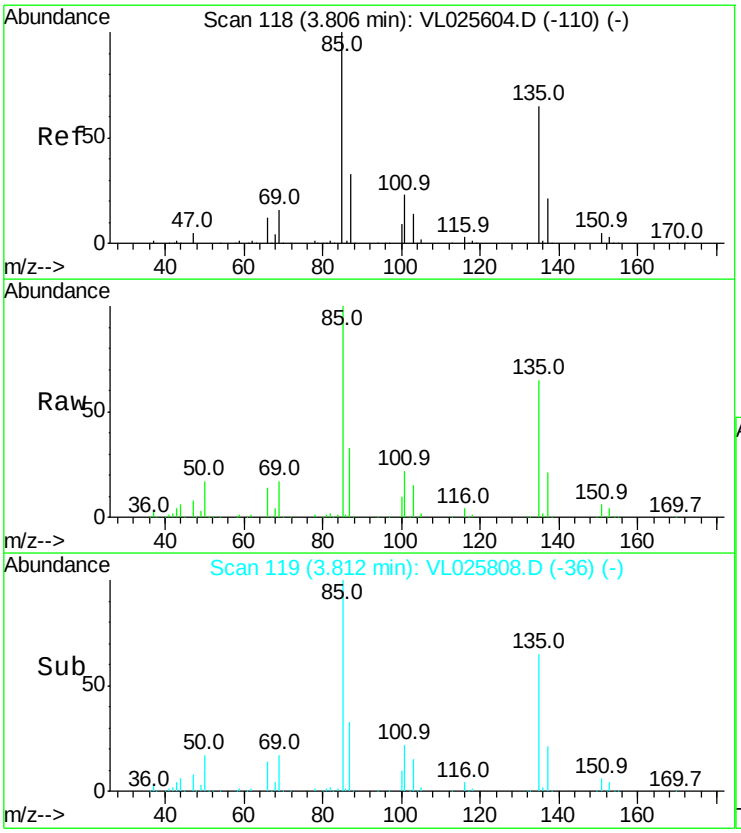
#7
Chloroethane
Concen: 7.97 ppbv
RT: 4.25 min Scan# 190
Delta R.T. 0.01 min
Lab File: VL025808.D
Acq: 31 Jul 2015 11:21

Instrument :
MSVOA_L
ClientSampleId :
VL0731ABS01

Tgt Ion: 64 Resp: 150368

Ion	Ratio	Lower	Upper
64	100		
66	31.7	23.8	35.8

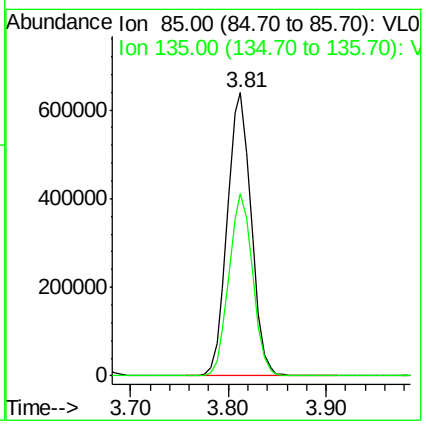


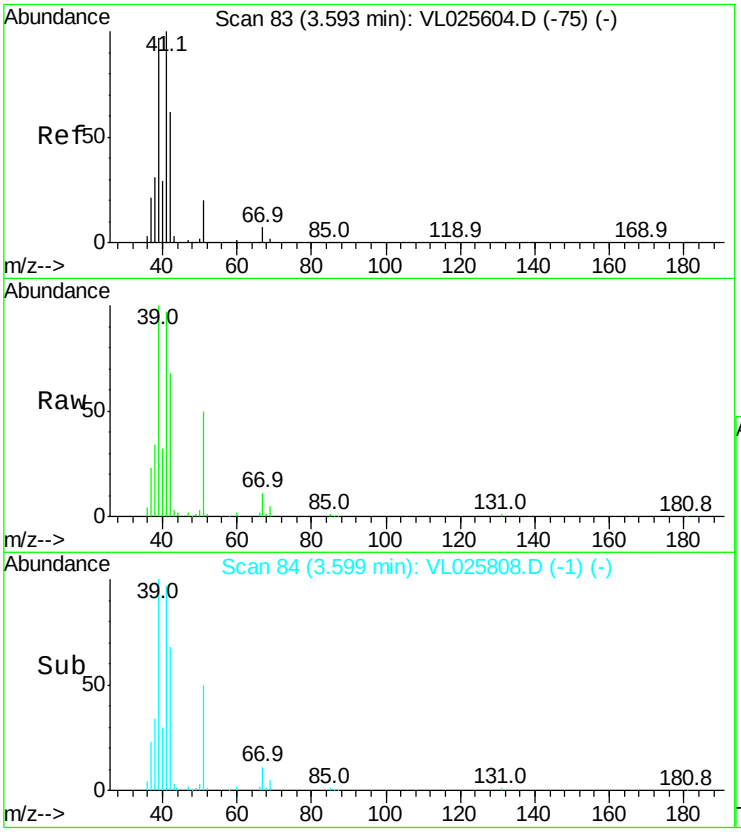


#8
Dichlorotetrafluoroethane
Concen: 8.16 ppbv
RT: 3.81 min Scan# 119
Delta R.T. 0.01 min
Lab File: VL025808.D
Acq: 31 Jul 2015 11:21

Tgt Ion: 85 Resp: 1081671

Ion	Ratio	Lower	Upper
85	100		
135	64.3	52.2	78.4



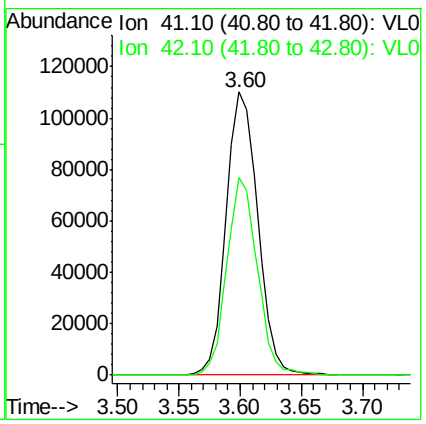


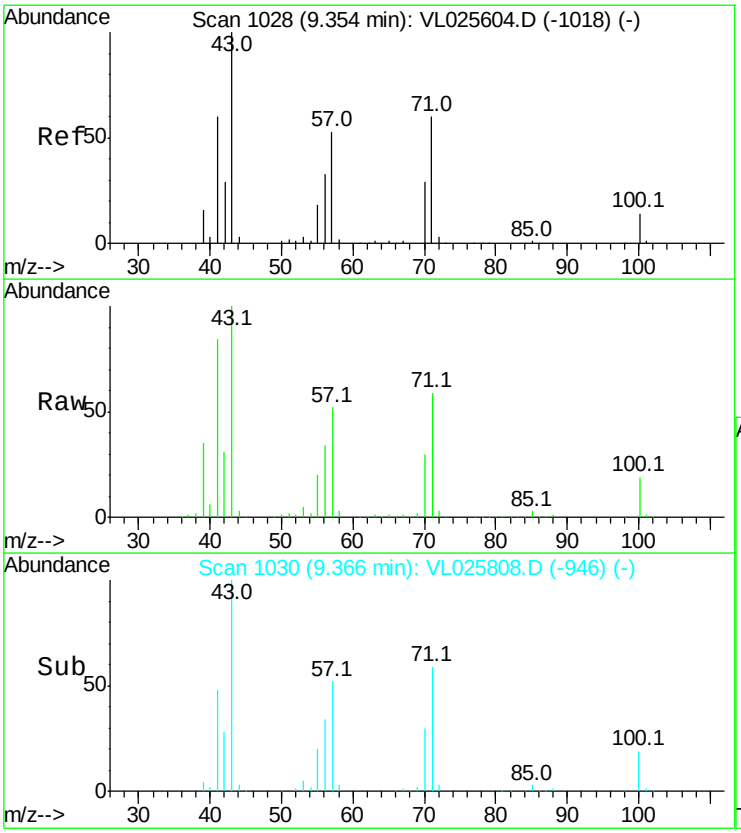
#9
Propene
Concen: 7.23 ppbv
RT: 3.60 min Scan# 84
Delta R.T. 0.01 min
Lab File: VL025808.D
Acq: 31 Jul 2015 11:21

Instrument :
MSVOA_L
ClientSampleId :
VL0731ABS01

Tgt Ion: 41 Resp: 197629

Ion	Ratio	Lower	Upper
41	100		
42	67.3	52.4	78.6

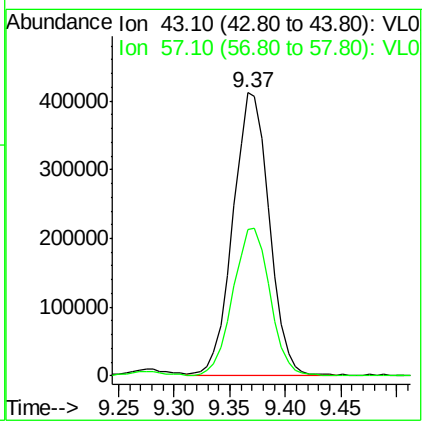


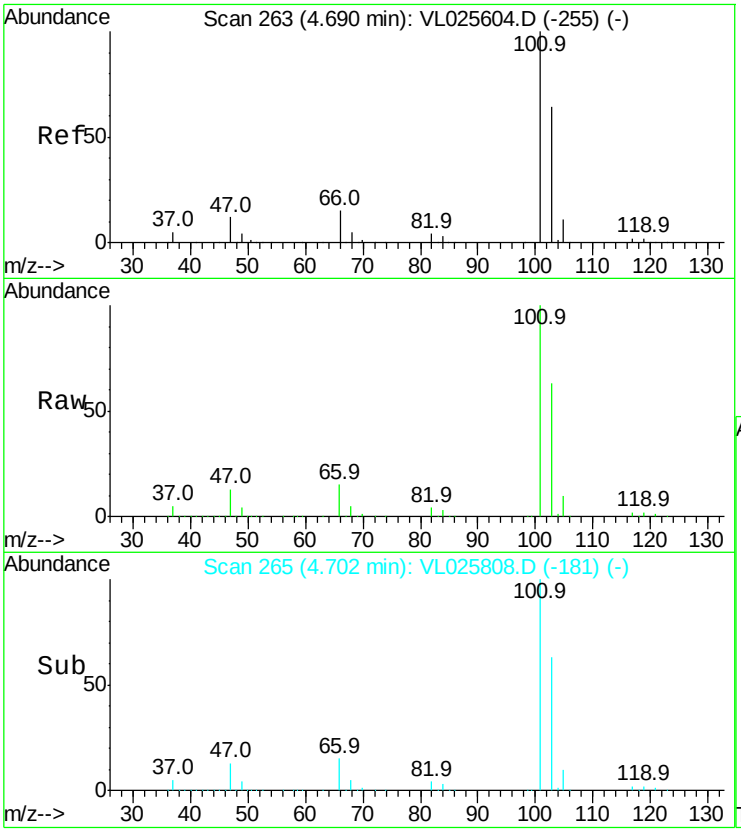


#10
Heptane
Concen: 8.66 ppbv
RT: 9.37 min Scan# 1030
Delta R.T. 0.01 min
Lab File: VL025808.D
Acq: 31 Jul 2015 11:21

Tgt Ion: 43 Resp: 921396

Ion	Ratio	Lower	Upper
43	100		
57	53.2	42.6	64.0



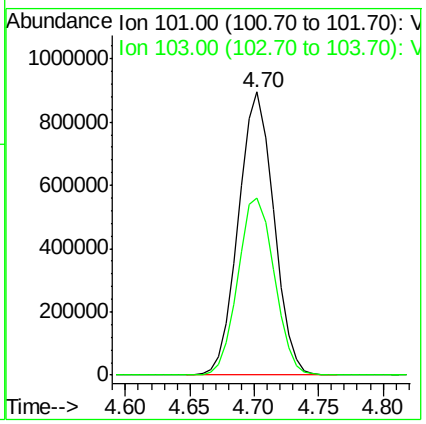


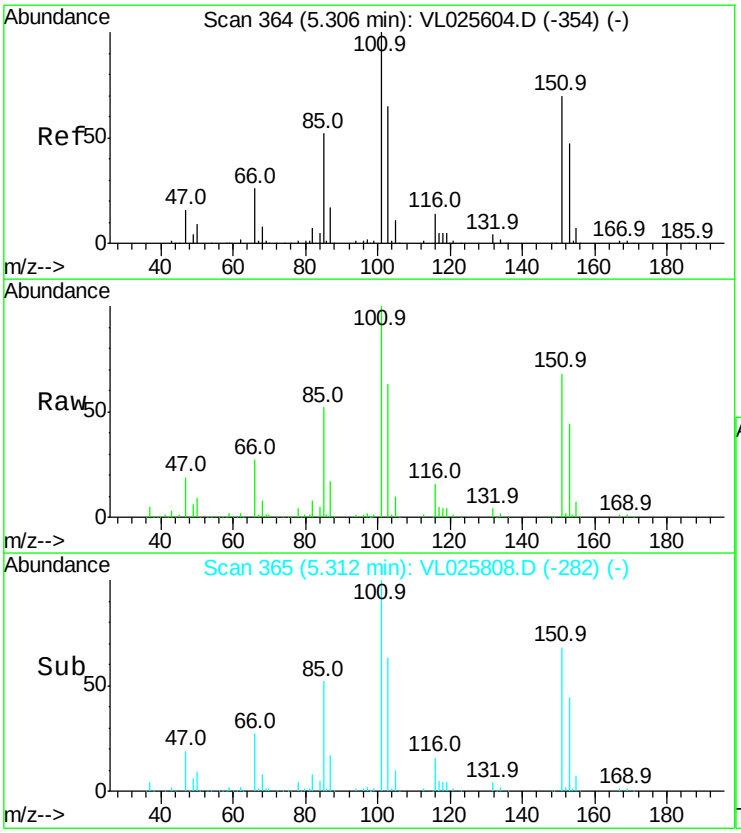
#11
Trichlorofluoromethane
Concen: 8.69 ppbv
RT: 4.70 min Scan# 265
Delta R.T. 0.01 min
Lab File: VL025808.D
Acq: 31 Jul 2015 11:21

Instrument :
MSVOA_L
ClientSampleId :
VL0731ABS01

Tgt Ion:101 Resp: 1704526

Ion	Ratio	Lower	Upper
101	100		
103	62.6	51.4	77.2

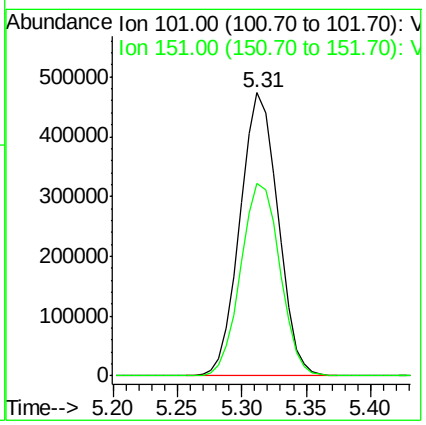


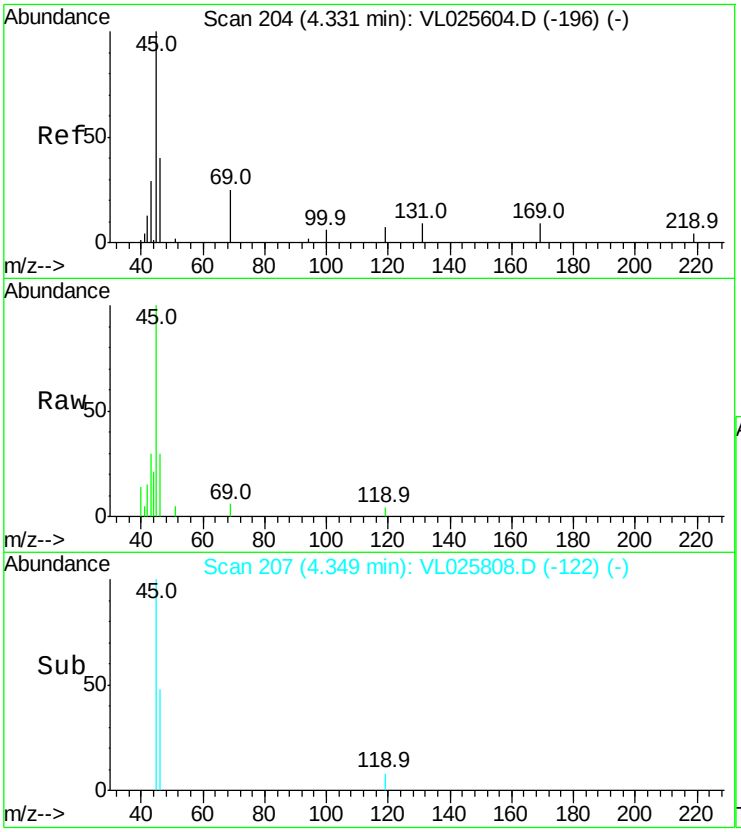


#12
1,1,2-Trichlorotrifluoroethane
Concen: 8.62 ppbv
RT: 5.31 min Scan# 365
Delta R.T. 0.01 min
Lab File: VL025808.D
Acq: 31 Jul 2015 11:21

Tgt Ion:101 Resp: 968816

Ion	Ratio	Lower	Upper
101	100		
151	70.3	56.3	84.5



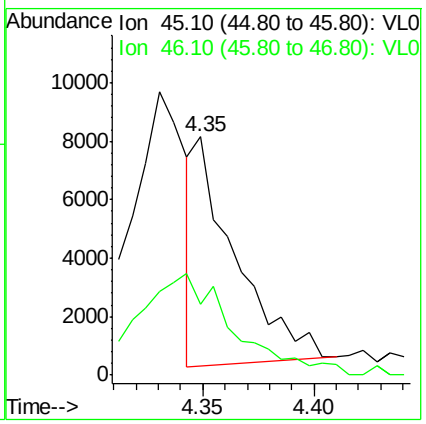


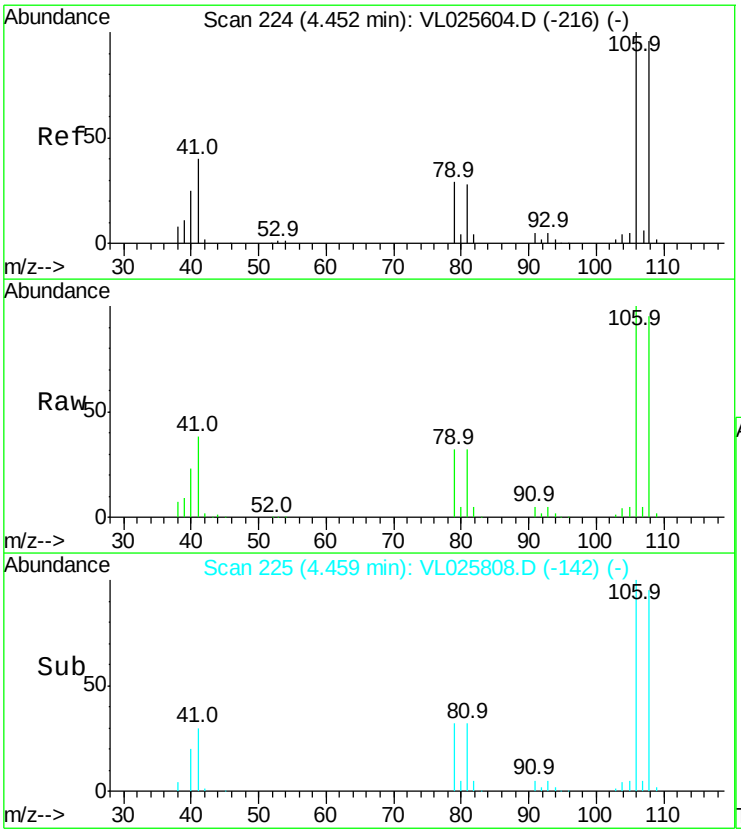
#13
Ethanol
Concen: 2.37 ppbv
RT: 4.35 min Scan# 207
Delta R.T. 0.02 min
Lab File: VL025808.D
Acq: 31 Jul 2015 11:21

Instrument :
MSVOA_L
ClientSampleId :
VL0731ABS01

Tgt Ion: 45 Resp: 10055

Ion	Ratio	Lower	Upper
45	100		
46	104.0	16.0	64.0#

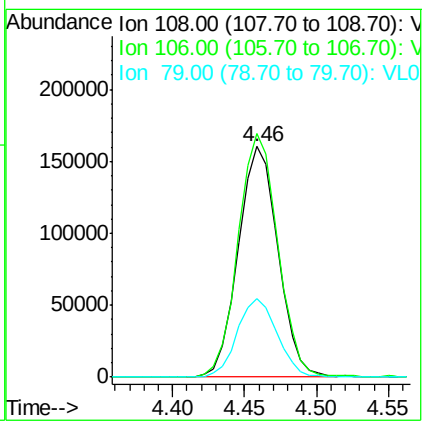


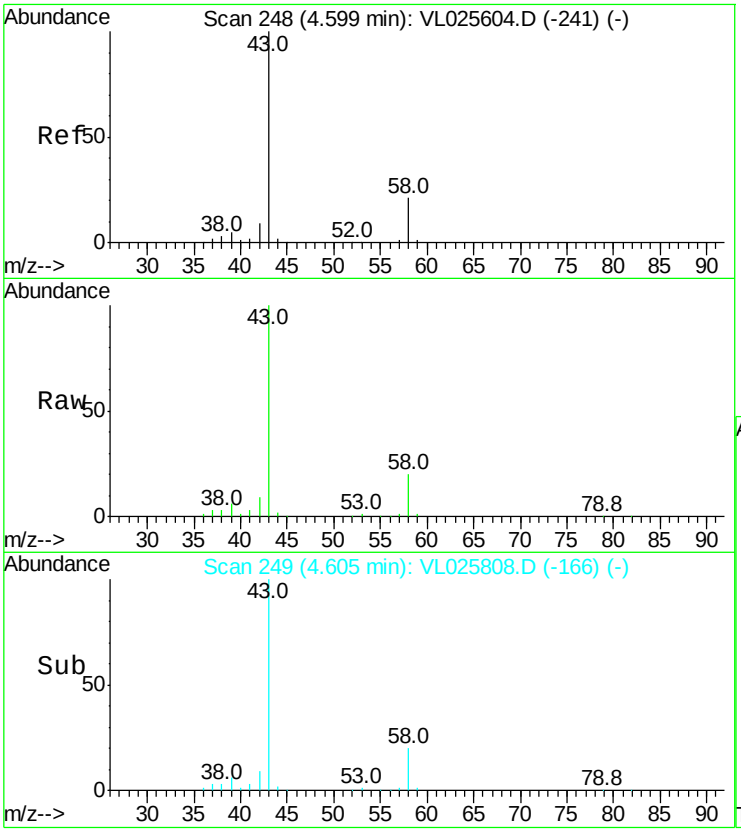


#14
Bromoethene
Concen: 8.32 ppbv
RT: 4.46 min Scan# 225
Delta R.T. 0.01 min
Lab File: VL025808.D
Acq: 31 Jul 2015 11:21

Tgt Ion:108 Resp: 306940

Ion	Ratio	Lower	Upper
108	100		
106	105.6	85.7	128.5
79	34.8	24.6	36.8



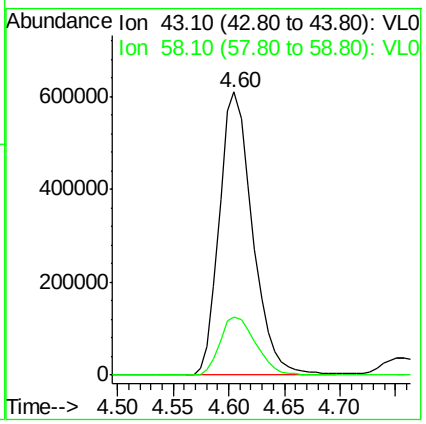


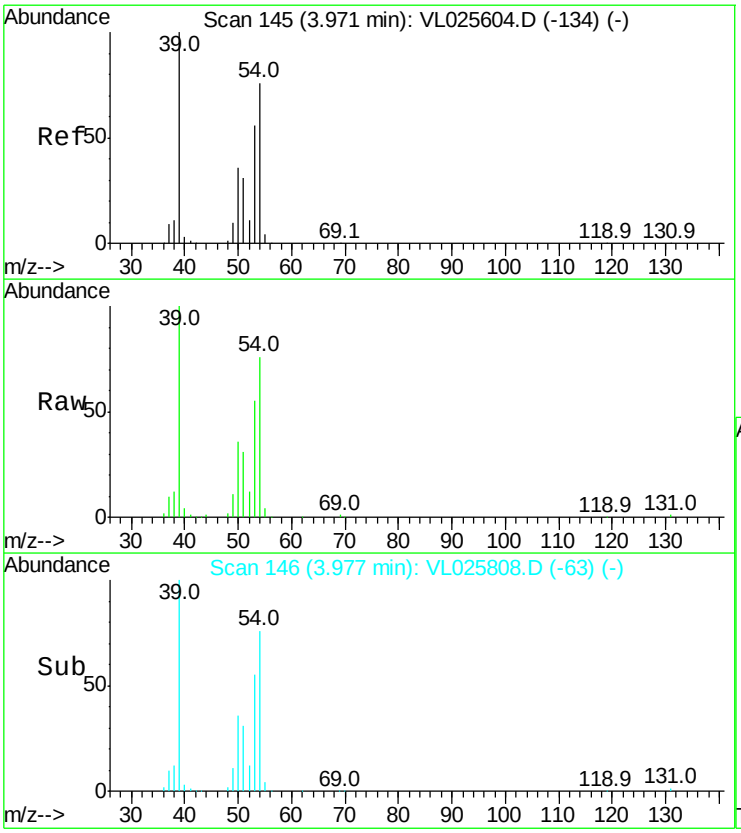
#15
Acetone
Concen: 12.22 ppbv
RT: 4.60 min Scan# 249
Delta R.T. 0.01 min
Lab File: VL025808.D
Acq: 31 Jul 2015 11:21

Instrument :
MSVOA_L
ClientSampleId :
VL0731ABS01

Tgt Ion: 43 Resp: 1260078

Ion	Ratio	Lower	Upper
43	100		
58	22.3	17.2	25.8

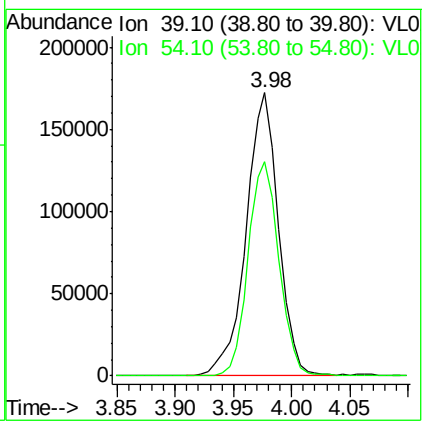


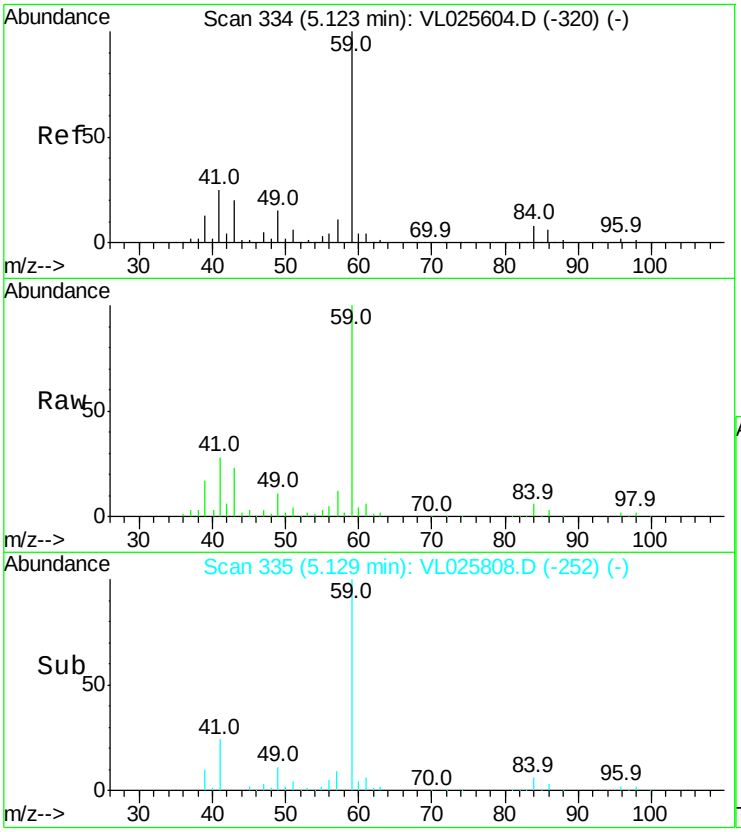


#16
1,3-Butadiene
Concen: 8.11 ppbv
RT: 3.98 min Scan# 146
Delta R.T. 0.01 min
Lab File: VL025808.D
Acq: 31 Jul 2015 11:21

Tgt Ion: 39 Resp: 332810

Ion	Ratio	Lower	Upper
39	100		
54	72.5	59.3	88.9



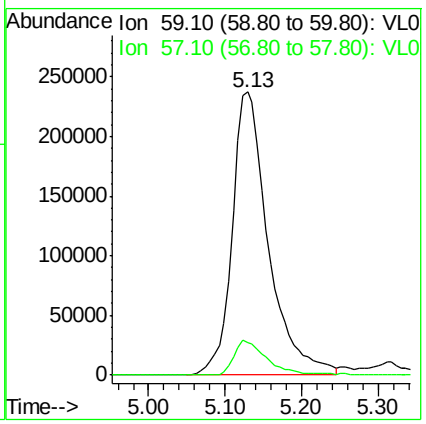


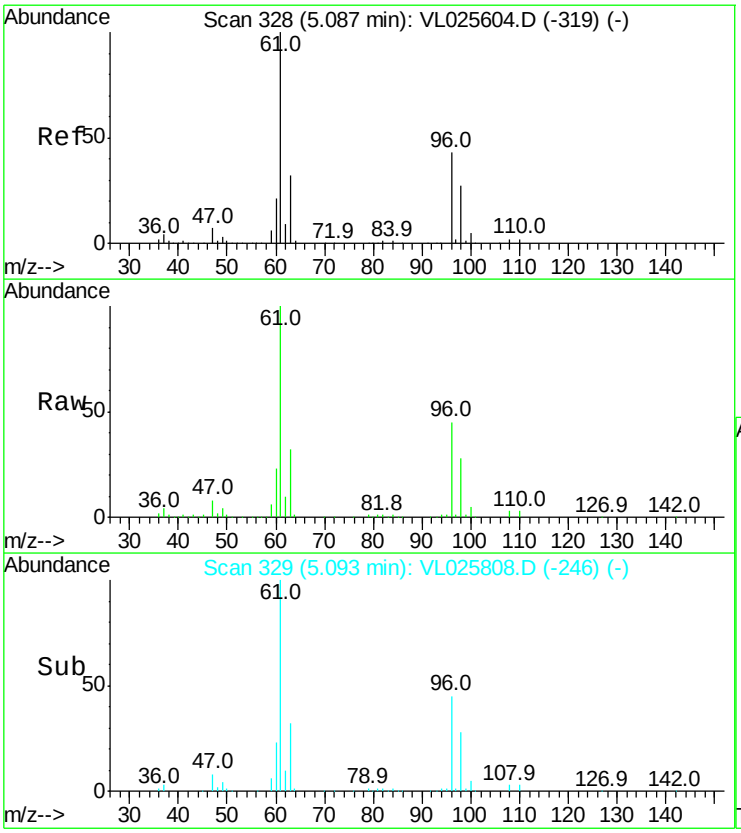
#17
tert-Butyl alcohol
Concen: 9.01 ppbv
RT: 5.13 min Scan# 335
Delta R.T. 0.01 min
Lab File: VL025808.D
Acq: 31 Jul 2015 11:21

Instrument :
MSVOA_L
ClientSampleId :
VL0731ABS01

Tgt Ion: 59 Resp: 779003

Ion	Ratio	Lower	Upper
59	100		
57	11.6	9.4	14.2

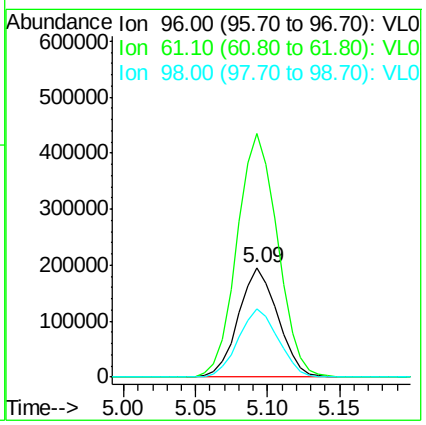


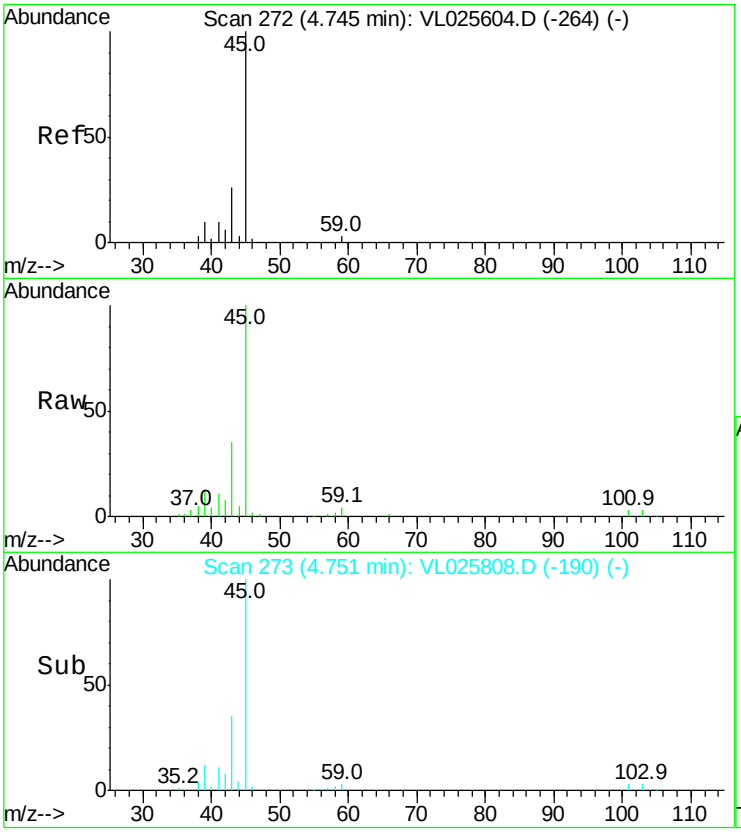


#18
1,1-Dichloroethene
Concen: 8.60 ppbv
RT: 5.09 min Scan# 329
Delta R.T. 0.01 min
Lab File: VL025808.D
Acq: 31 Jul 2015 11:21

Tgt Ion: 96 Resp: 370089

Ion	Ratio	Lower	Upper
96	100		
61	222.3	184.1	276.1
98	62.3	50.0	75.0



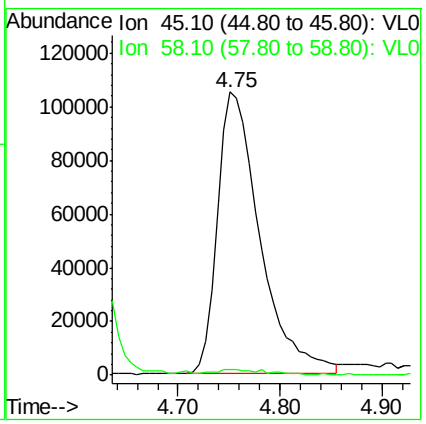


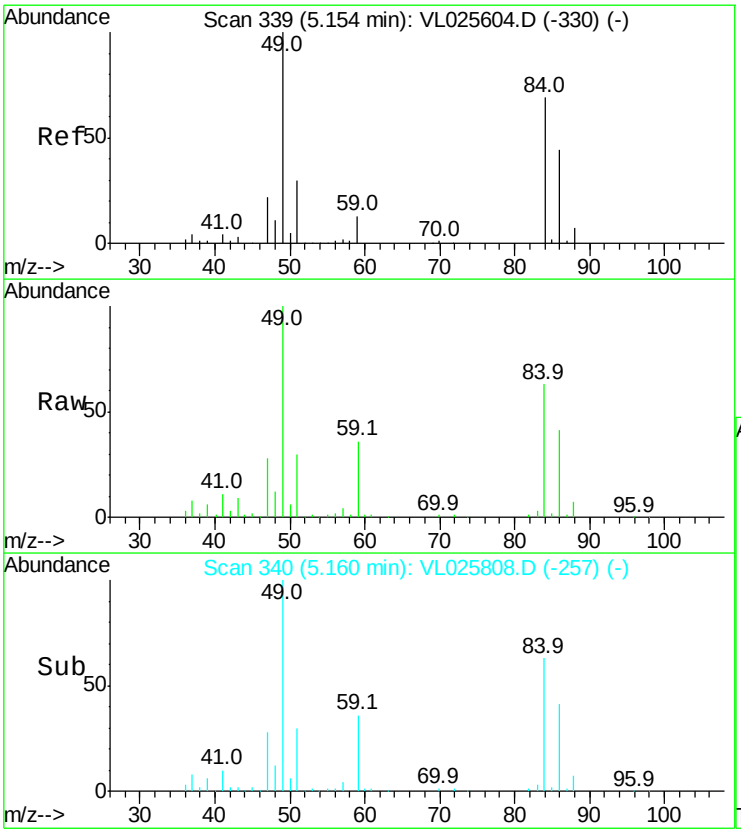
#19
Isopropyl Alcohol
Concen: 7.41 ppbv
RT: 4.75 min Scan# 273
Delta R.T. 0.01 min
Lab File: VL025808.D
Acq: 31 Jul 2015 11:21

Instrument : MSVOA_L
ClientSampleId : VL0731ABS01

Tgt Ion: 45 Resp: 304996

Ion	Ratio	Lower	Upper
45	100		
58	3.3	1.1	1.7#

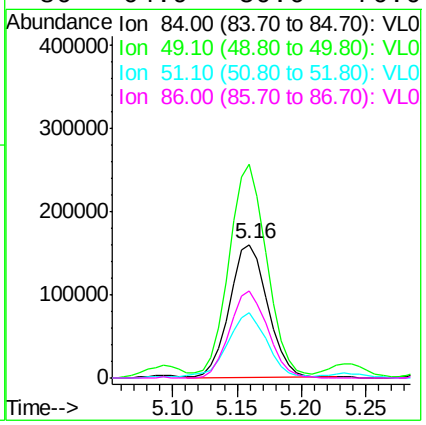


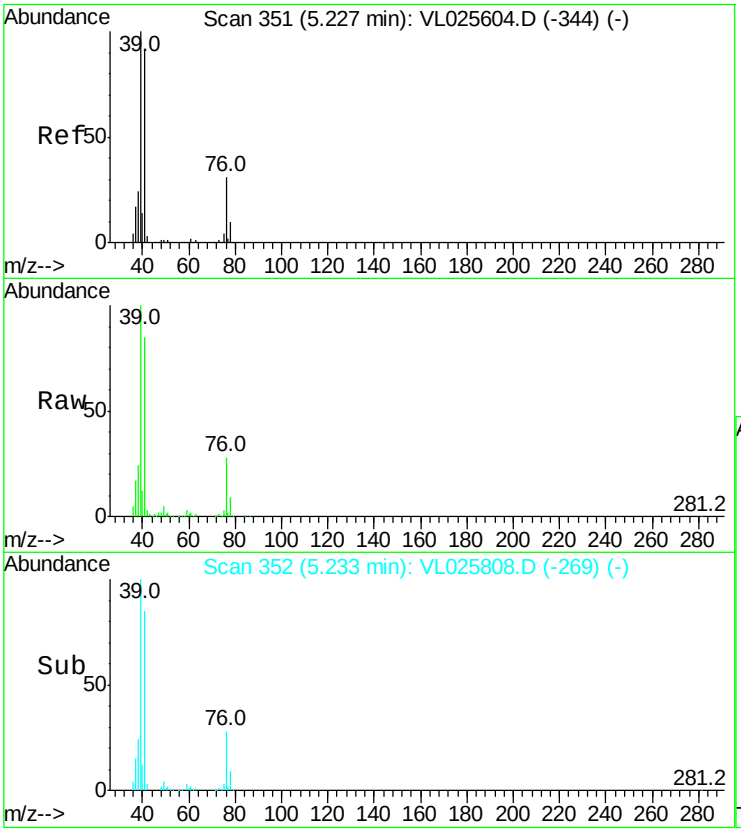


#20
Methylene Chloride
Concen: 7.88 ppbv
RT: 5.16 min Scan# 340
Delta R.T. 0.01 min
Lab File: VL025808.D
Acq: 31 Jul 2015 11:21

Tgt Ion: 84 Resp: 330130

Ion	Ratio	Lower	Upper
84	100		
49	156.9	115.2	172.8
51	47.1	35.0	52.6
86	64.9	50.6	76.0



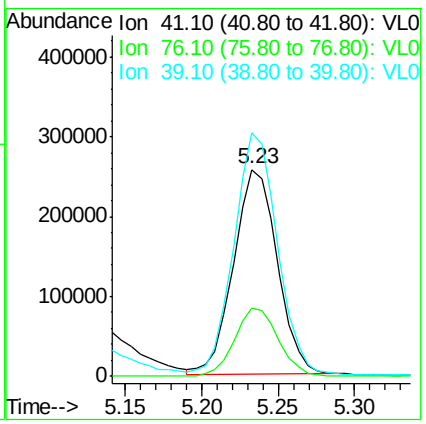


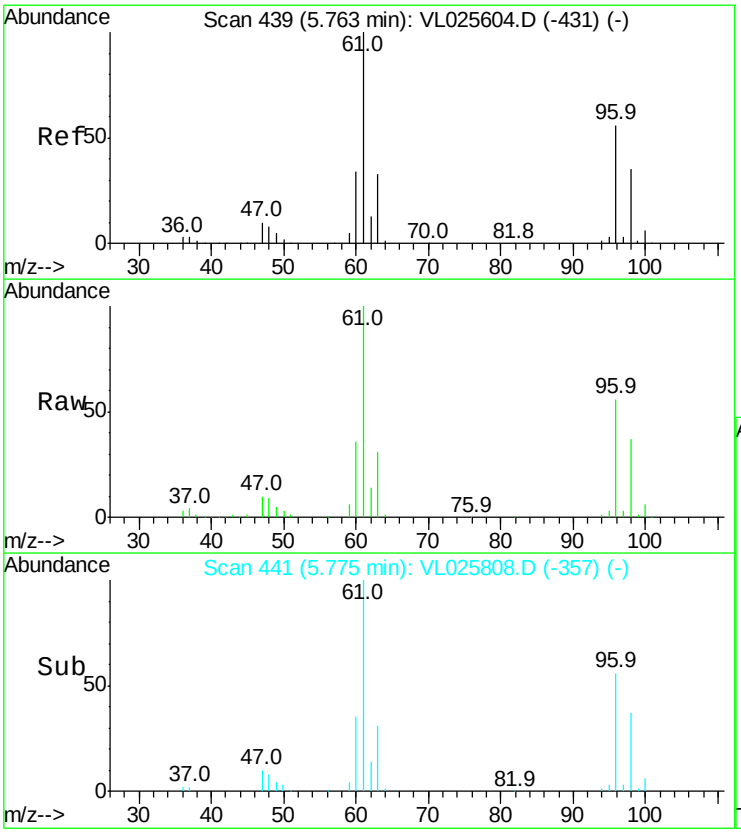
#21
Allyl Chloride
Concen: 7.91 ppbv
RT: 5.23 min Scan# 352
Delta R.T. 0.01 min
Lab File: VL025808.D
Acq: 31 Jul 2015 11:21

Instrument : MSVOA_L
ClientSampleId : VL0731ABS01

Tgt Ion: 41 Resp: 510336

Ion	Ratio	Lower	Upper
41	100		
76	33.2	26.6	40.0
39	118.8	88.2	132.4

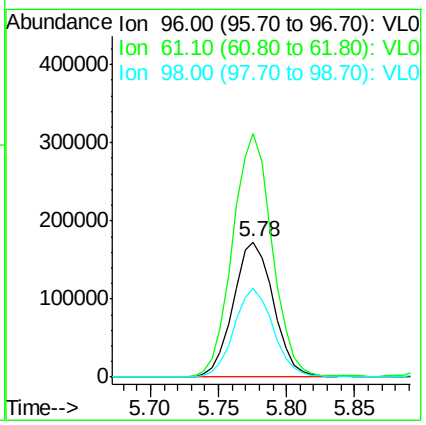


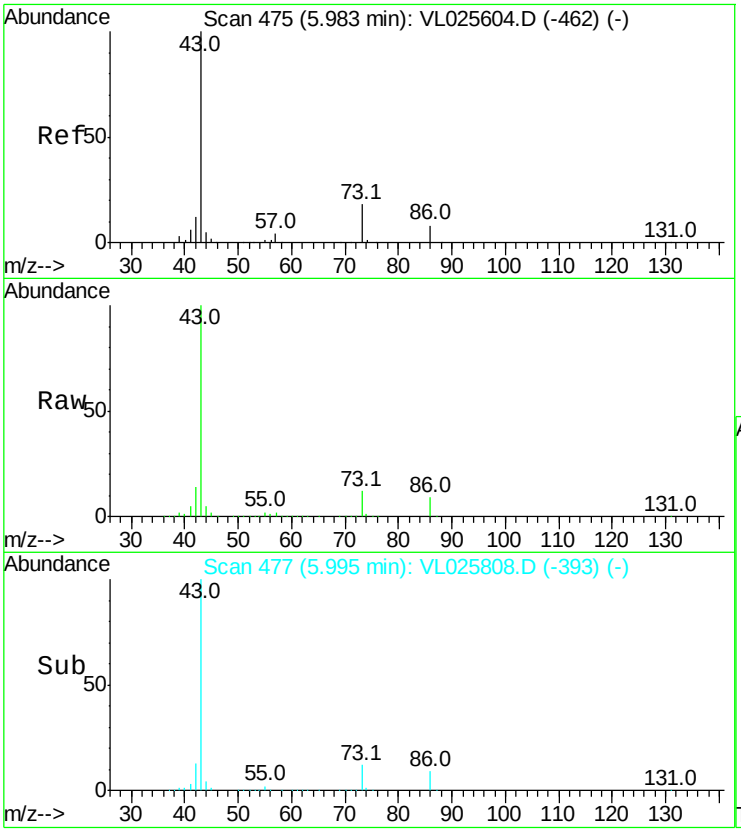


#22
trans-1,2-Dichloroethene
Concen: 8.14 ppbv
RT: 5.78 min Scan# 441
Delta R.T. 0.01 min
Lab File: VL025808.D
Acq: 31 Jul 2015 11:21

Tgt Ion: 96 Resp: 357783

Ion	Ratio	Lower	Upper
96	100		
61	179.9	141.8	212.6
98	66.0	49.0	73.6



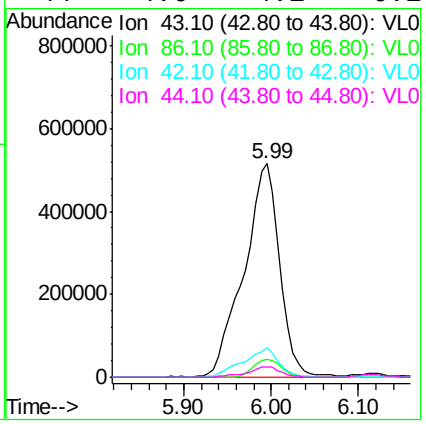


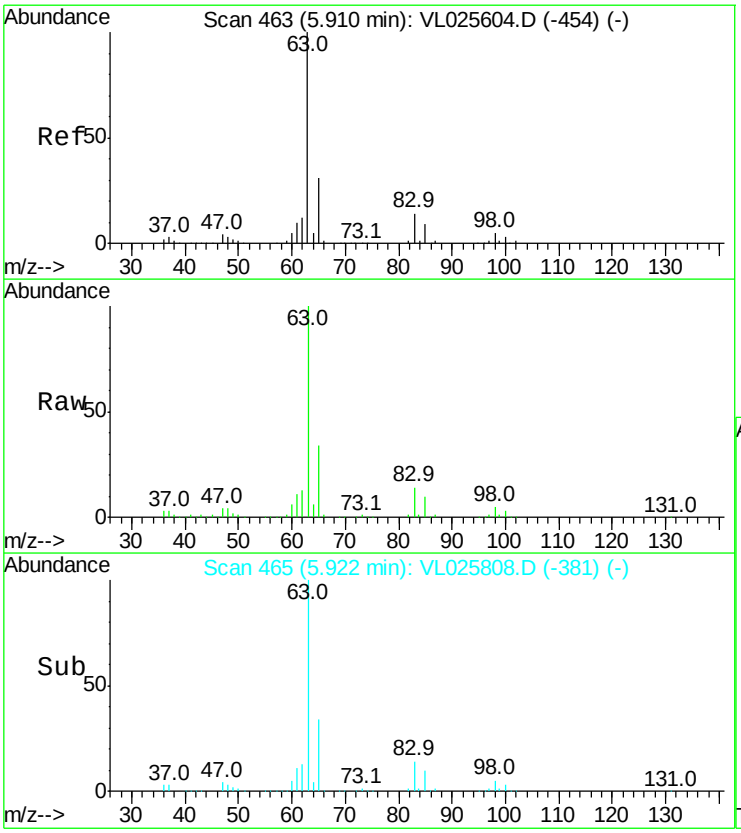
#23
Vinyl Acetate
Concen: 9.30 ppbv
RT: 5.99 min Scan# 477
Delta R.T. 0.01 min
Lab File: VL025808.D
Acq: 31 Jul 2015 11:21

Instrument : MSVOA_L
ClientSampleId : VL0731ABS01

Tgt Ion: 43 Resp: 1452622

Ion	Ratio	Lower	Upper
43	100		
86	8.5	6.7	10.1
42	13.6	9.8	14.6
44	4.6	4.1	6.1

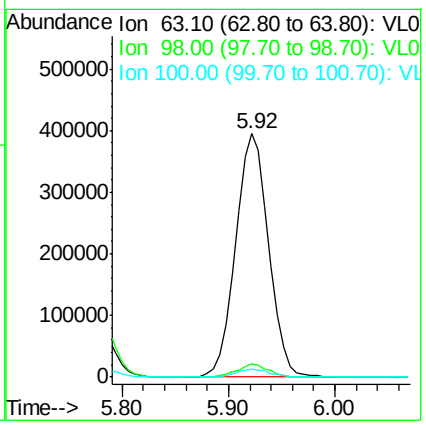


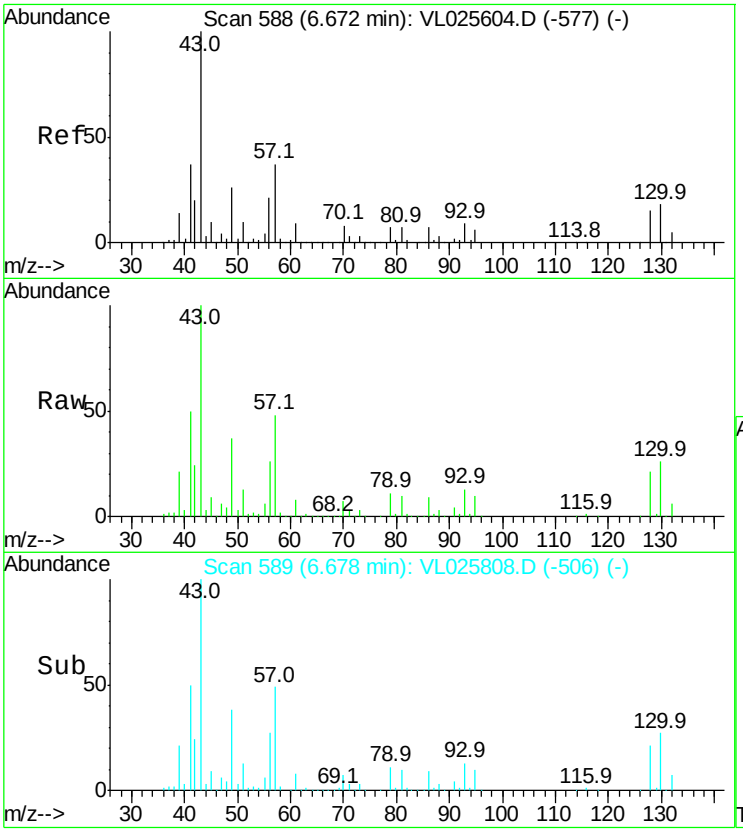


#24
1,1-Dichloroethane
Concen: 8.18 ppbv
RT: 5.92 min Scan# 465
Delta R.T. 0.01 min
Lab File: VL025808.D
Acq: 31 Jul 2015 11:21

Tgt Ion: 63 Resp: 856588

Ion	Ratio	Lower	Upper
63	100		
98	5.5	2.6	8.0
100	3.2	1.6	4.7



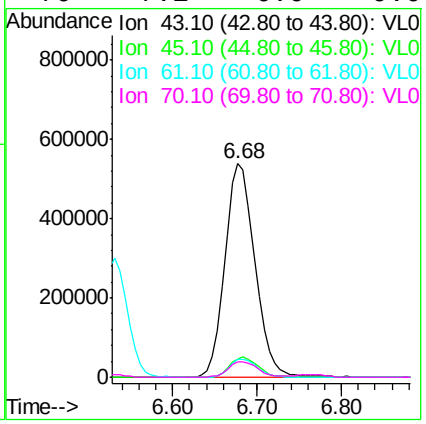


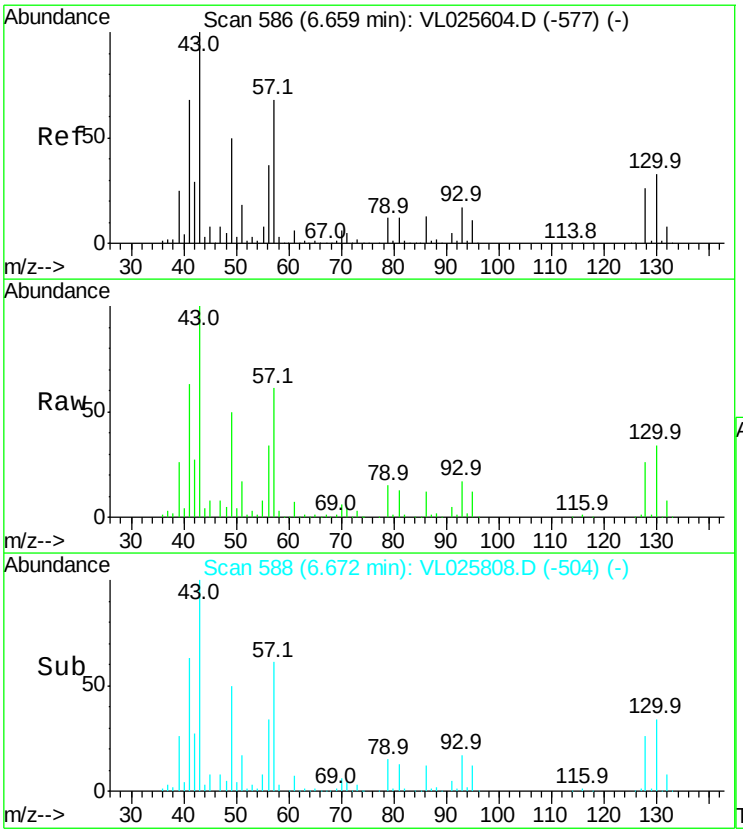
#25
Ethyl Acetate
Concen: 8.28 ppbv
RT: 6.68 min Scan# 589
Delta R.T. 0.01 min
Lab File: VL025808.D
Acq: 31 Jul 2015 11:21

Instrument : MSVOA_L
ClientSampleId : VL0731ABS01

Tgt Ion: 43 Resp: 1292012

Ion	Ratio	Lower	Upper
43	100		
45	9.1	7.5	11.3
61	8.2	6.6	10.0
70	7.1	6.0	9.0

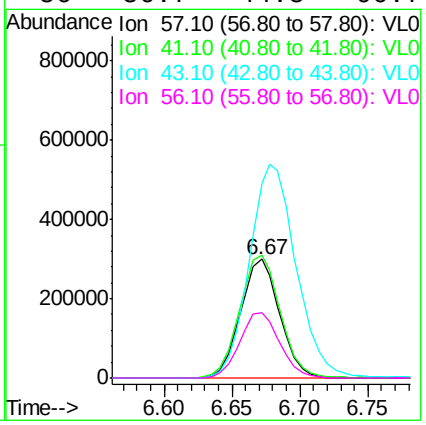


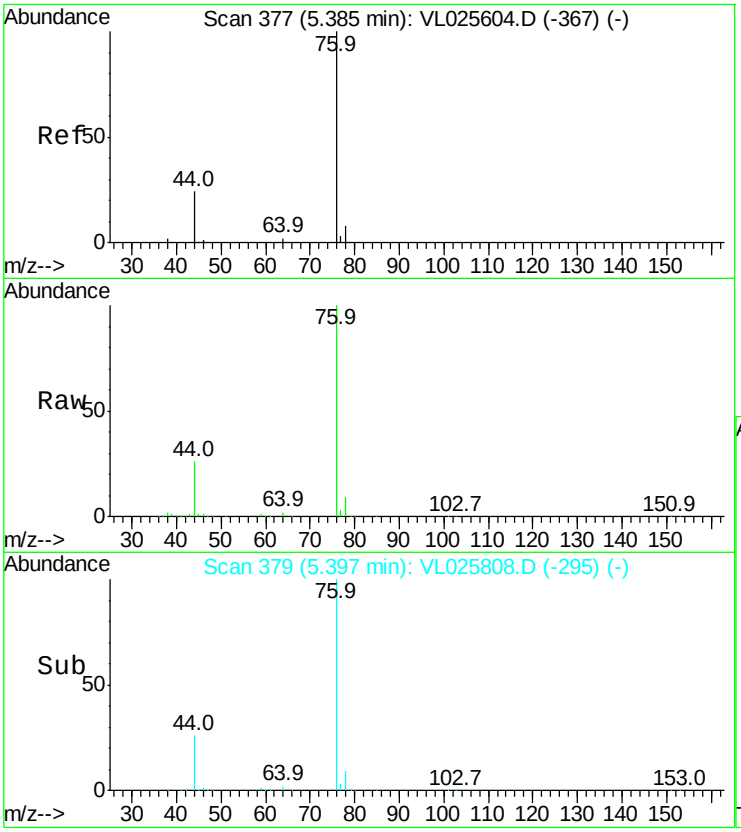


#26
Hexane
Concen: 8.19 ppbv
RT: 6.67 min Scan# 588
Delta R.T. 0.01 min
Lab File: VL025808.D
Acq: 31 Jul 2015 11:21

Tgt Ion: 57 Resp: 601405

Ion	Ratio	Lower	Upper
57	100		
41	109.1	81.4	122.2
43	216.0	171.4	257.2
56	56.7	44.5	66.7



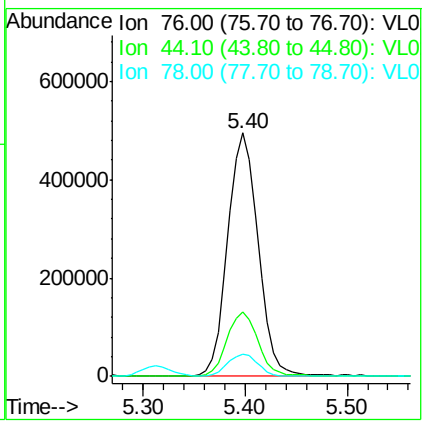


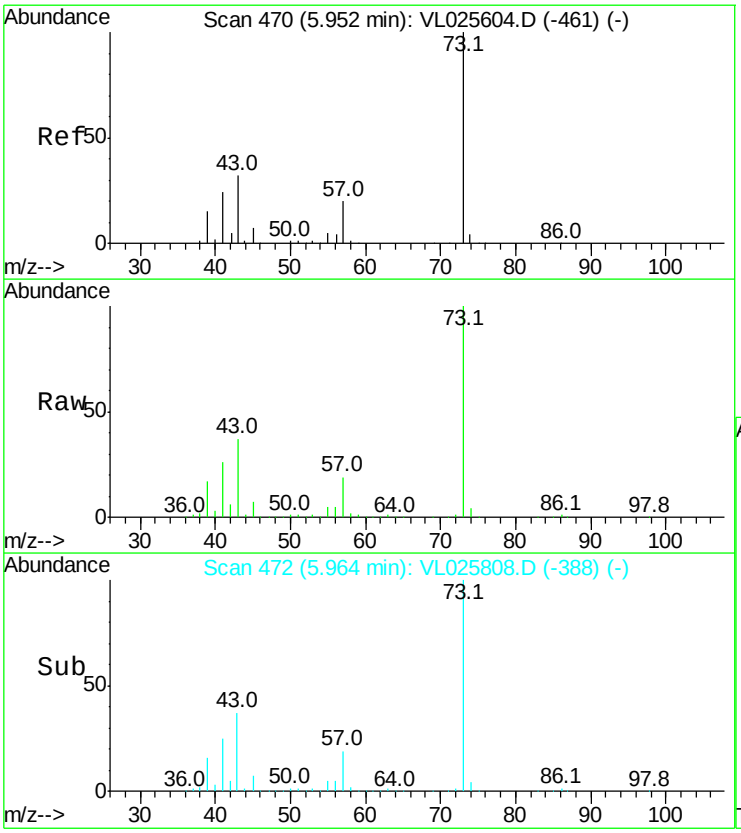
#27
Carbon Disulfide
Concen: 8.63 ppbv
RT: 5.40 min Scan# 379
Delta R.T. 0.01 min
Lab File: VL025808.D
Acq: 31 Jul 2015 11:21

Instrument : MSVOA_L
ClientSampleId : VL0731ABS01

Tgt Ion: 76 Resp: 1026544

Ion	Ratio	Lower	Upper
76	100		
44	26.7	20.2	30.4
78	9.3	7.4	11.2

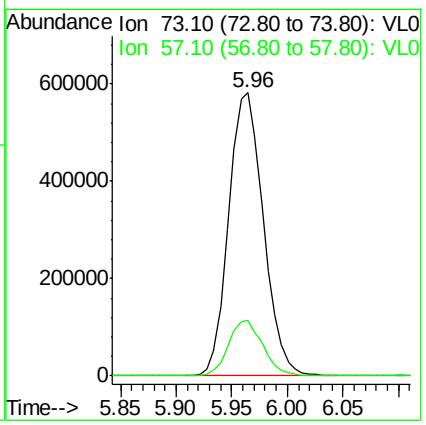


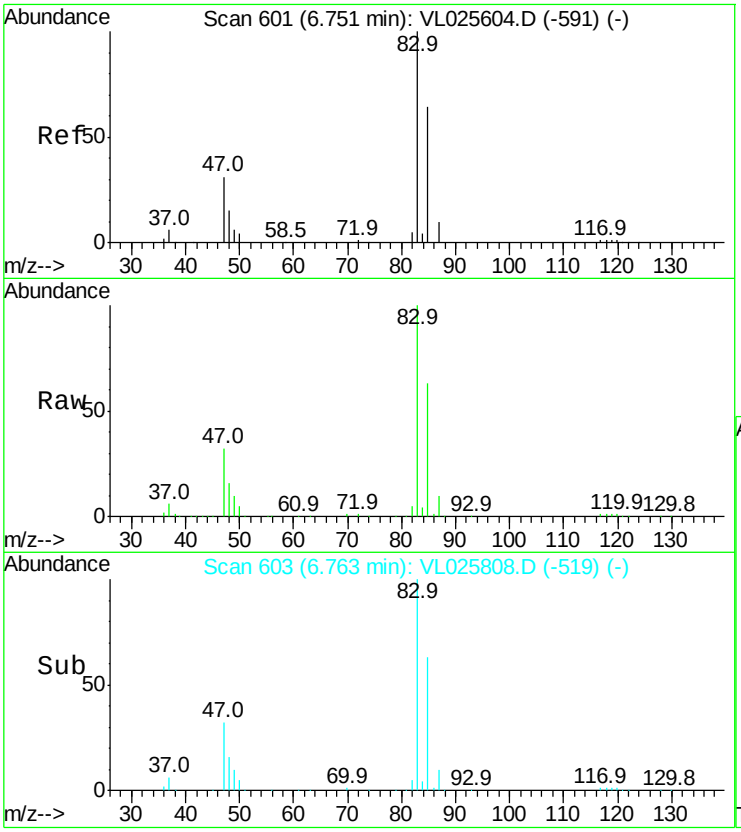


#28
Methyl tert-Butyl Ether
Concen: 8.61 ppbv
RT: 5.96 min Scan# 472
Delta R.T. 0.01 min
Lab File: VL025808.D
Acq: 31 Jul 2015 11:21

Tgt Ion: 73 Resp: 1258012

Ion	Ratio	Lower	Upper
73	100		
57	19.5	16.0	24.0



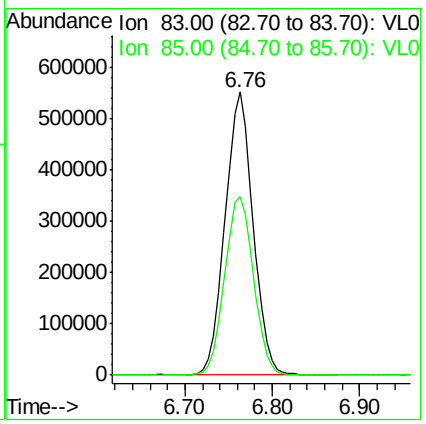


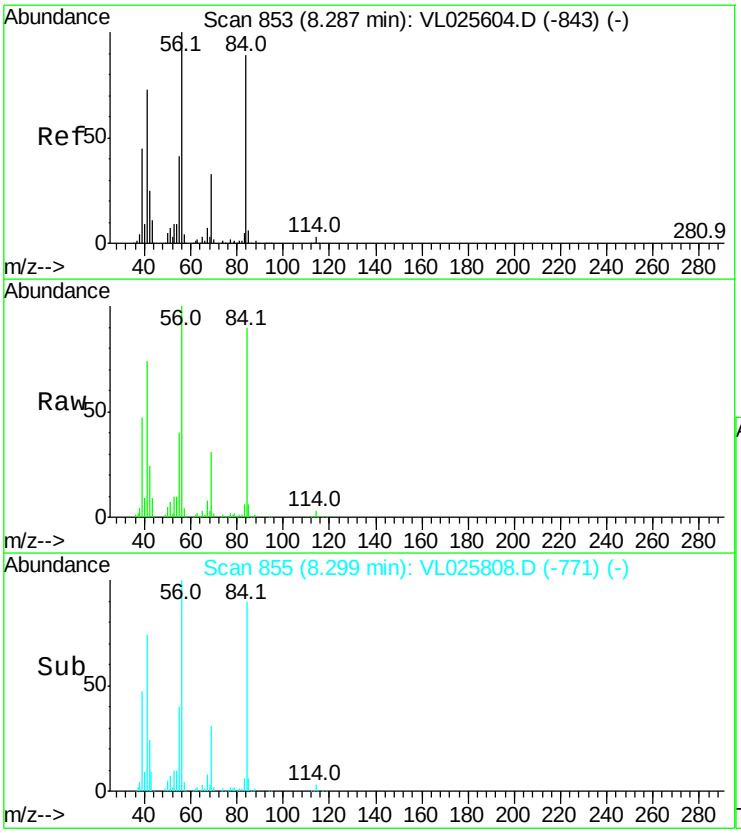
#29
Chloroform
Concen: 8.48 ppbv
RT: 6.76 min Scan# 603
Delta R.T. 0.01 min
Lab File: VL025808.D
Acq: 31 Jul 2015 11:21

Instrument :
MSVOA_L
ClientSampleId :
VL0731ABS01

Tgt Ion: 83 Resp: 1230277

Ion	Ratio	Lower	Upper
83	100		
85	63.1	51.6	77.4

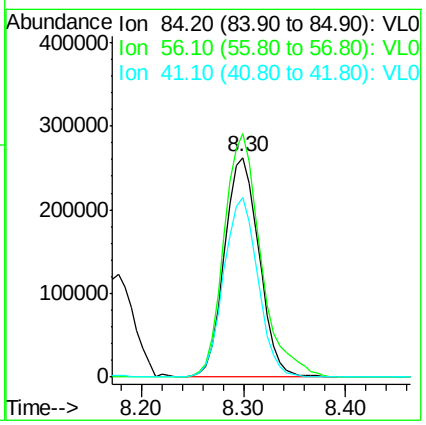


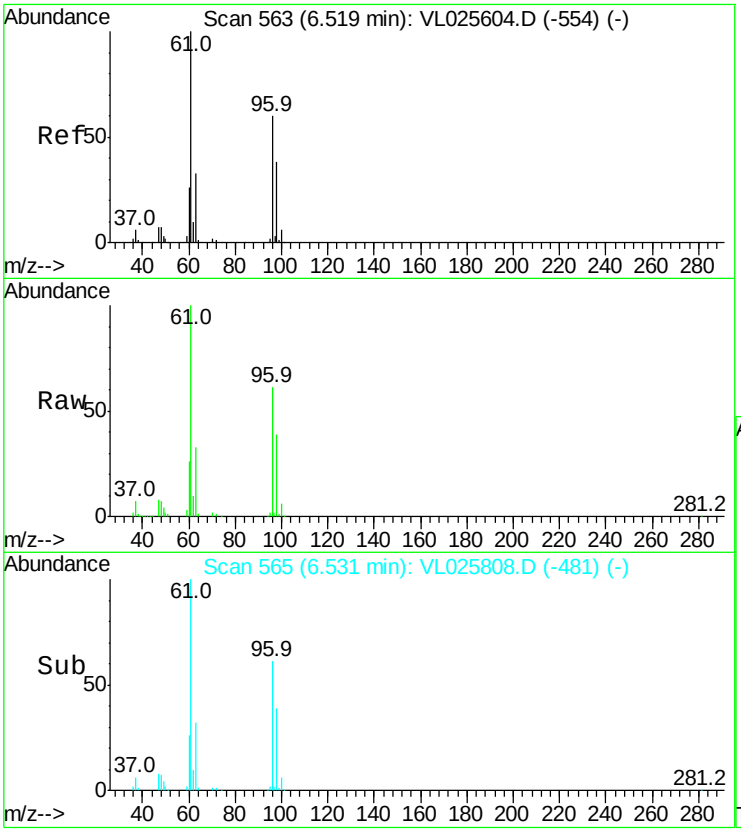


#30
Cyclohexane
Concen: 8.76 ppbv
RT: 8.30 min Scan# 855
Delta R.T. 0.01 min
Lab File: VL025808.D
Acq: 31 Jul 2015 11:21

Tgt Ion: 84 Resp: 614837

Ion	Ratio	Lower	Upper
84	100		
56	118.8	97.5	146.3
41	81.2	65.4	98.2



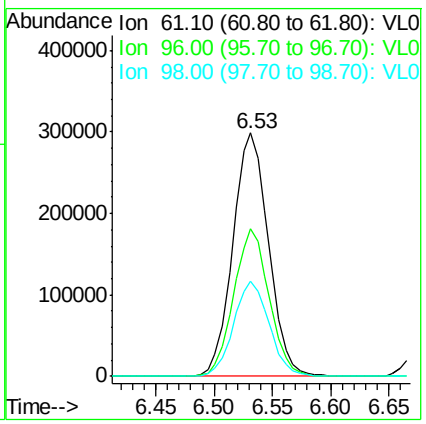


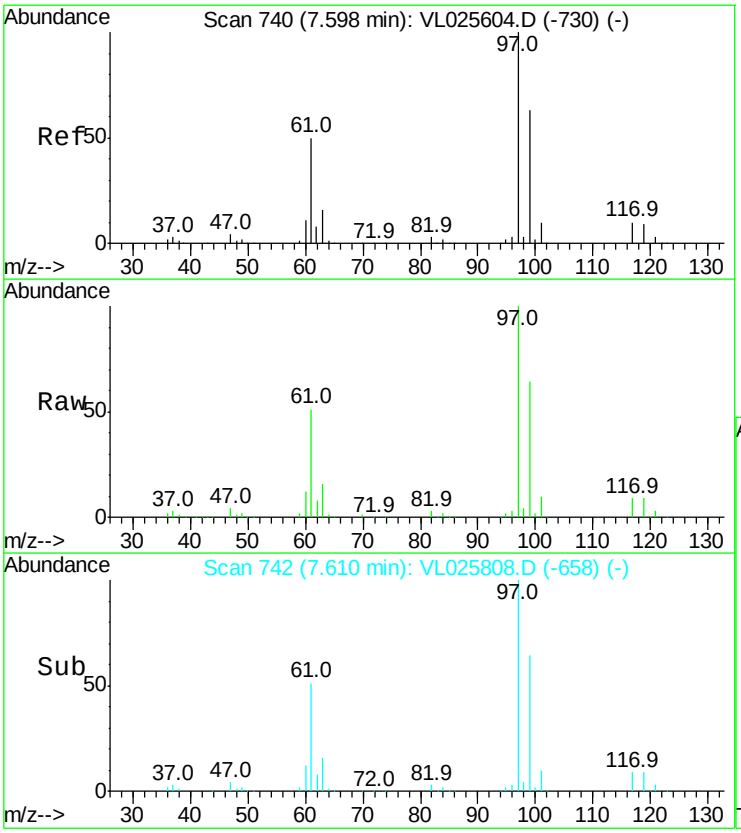
#31
cis-1,2-Dichloroethene
Concen: 8.74 ppbv
RT: 6.53 min Scan# 565
Delta R.T. 0.01 min
Lab File: VL025808.D
Acq: 31 Jul 2015 11:21

Instrument :
MSVOA_L
ClientSampleId :
VL0731ABS01

Tgt Ion: 61 Resp: 637902

Ion	Ratio	Lower	Upper
61	100		
96	60.5	48.1	72.1
98	38.9	30.7	46.1

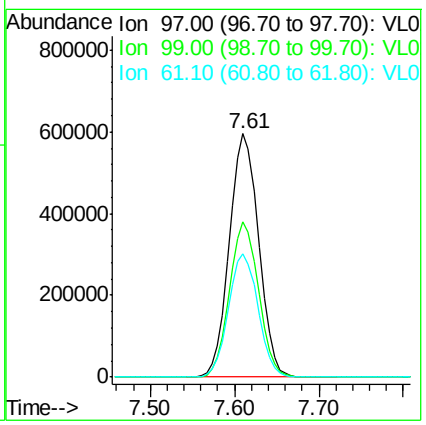


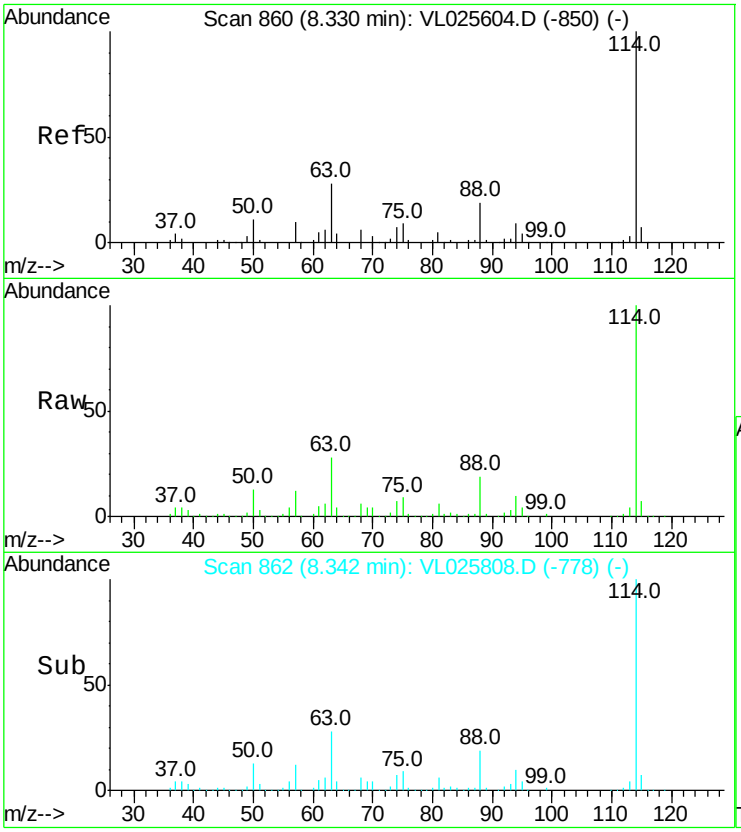


#32
1,1,1-Trichloroethane
Concen: 8.89 ppbv
RT: 7.61 min Scan# 742
Delta R.T. 0.01 min
Lab File: VL025808.D
Acq: 31 Jul 2015 11:21

Tgt Ion: 97 Resp: 1400910

Ion	Ratio	Lower	Upper
97	100		
99	63.3	51.2	76.8
61	51.2	40.4	60.6



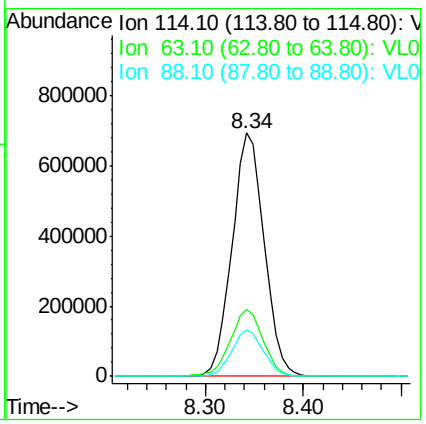


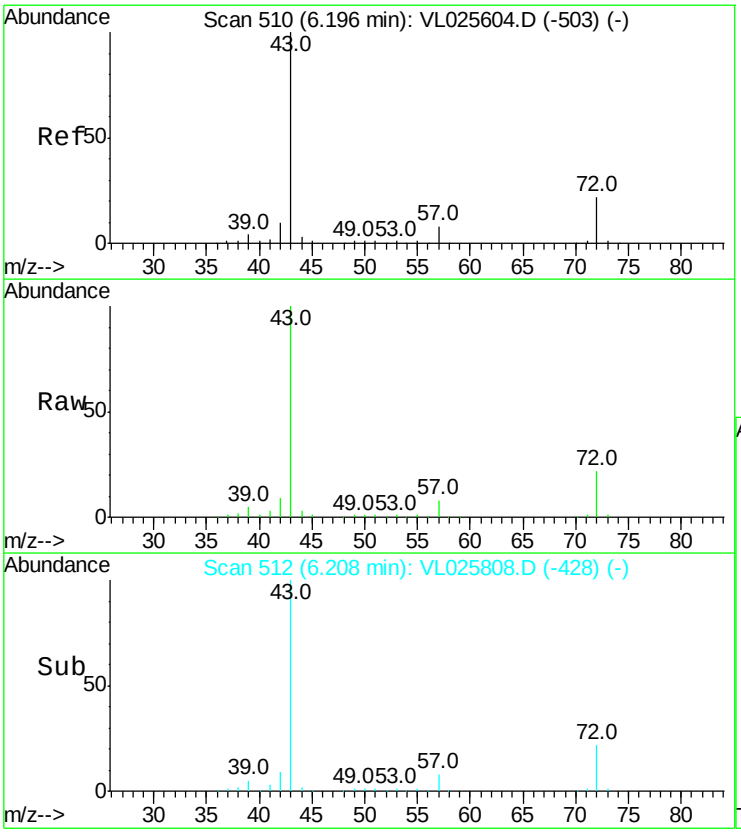
#33
1,4-Difluorobenzene
Concen: 10.00 ppbv
RT: 8.34 min Scan# 862
Delta R.T. 0.01 min
Lab File: VL025808.D
Acq: 31 Jul 2015 11:21

Instrument :
MSVOA_L
ClientSampleId :
VL0731ABS01

Tgt Ion:114 Resp: 1580603

Ion	Ratio	Lower	Upper
114	100		
63	28.4	22.4	33.6
88	18.6	15.0	22.4

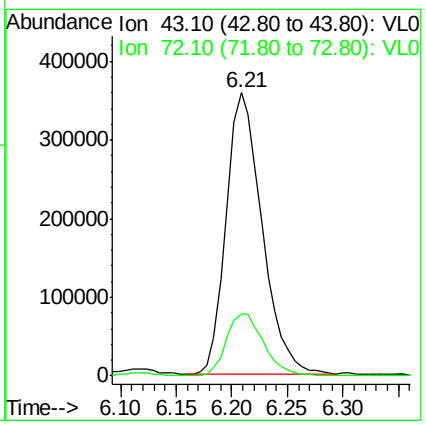


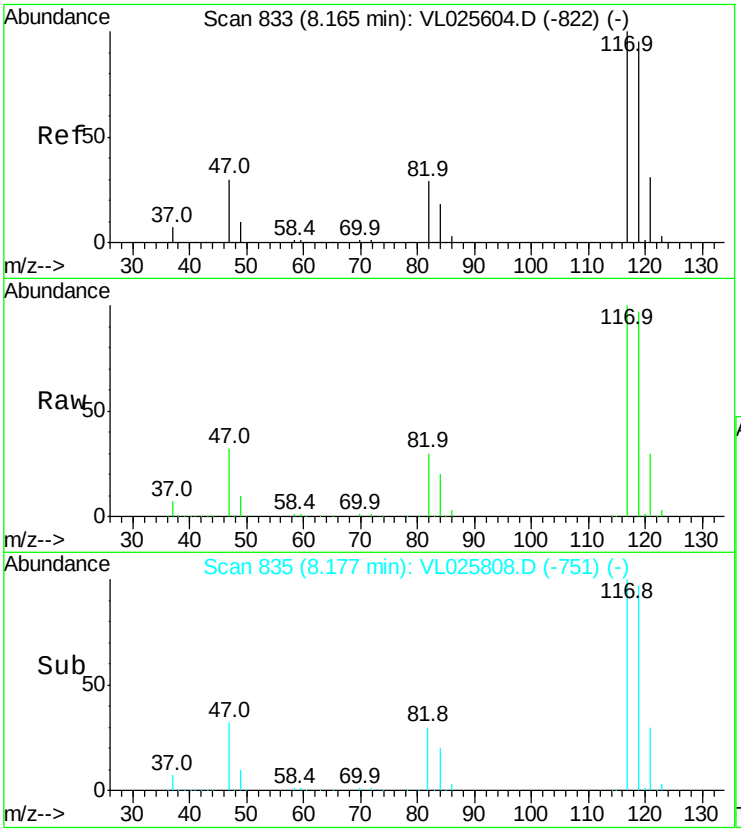


#34
2-Butanone
Concen: 8.95 ppbv
RT: 6.21 min Scan# 512
Delta R.T. 0.01 min
Lab File: VL025808.D
Acq: 31 Jul 2015 11:21

Tgt Ion: 43 Resp: 802686

Ion	Ratio	Lower	Upper
43	100		
72	23.0	18.6	28.0



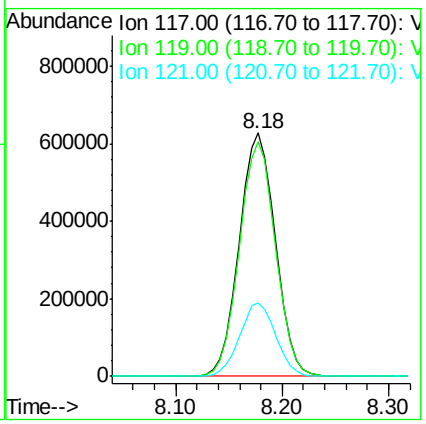


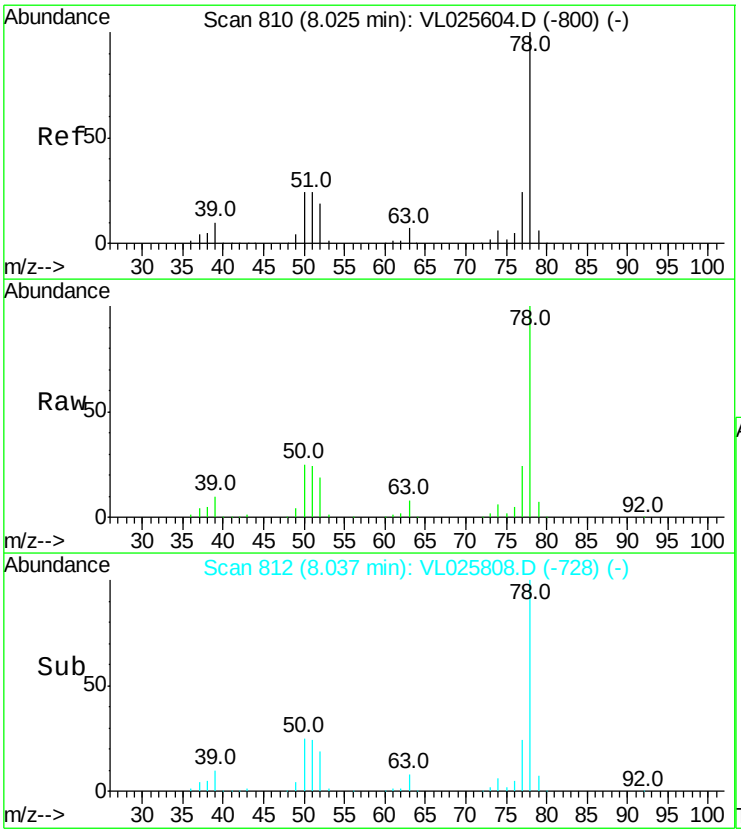
#35
Carbon Tetrachloride
Concen: 8.90 ppbv
RT: 8.18 min Scan# 835
Delta R.T. 0.01 min
Lab File: VL025808.D
Acq: 31 Jul 2015 11:21

Instrument : MSVOA_L
ClientSampleId : VL0731ABS01

Tgt Ion:117 Resp: 1498469

Ion	Ratio	Lower	Upper
117	100		
119	96.6	75.9	113.9
121	30.0	24.4	36.6

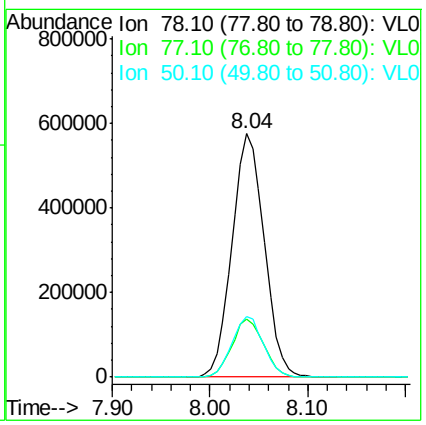


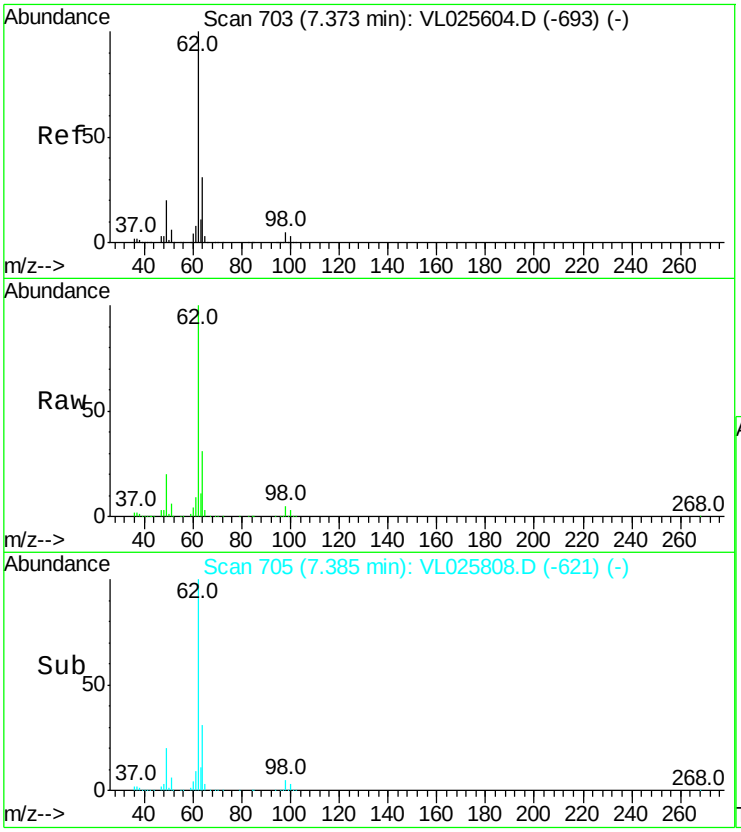


#36
Benzene
Concen: 8.70 ppbv
RT: 8.04 min Scan# 812
Delta R.T. 0.01 min
Lab File: VL025808.D
Acq: 31 Jul 2015 11:21

Tgt Ion: 78 Resp: 1317428

Ion	Ratio	Lower	Upper
78	100		
77	23.6	19.0	28.4
50	24.9	19.2	28.8



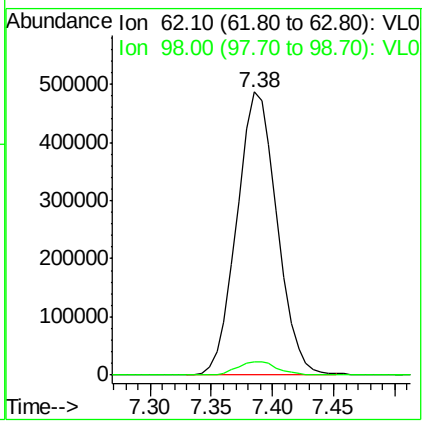


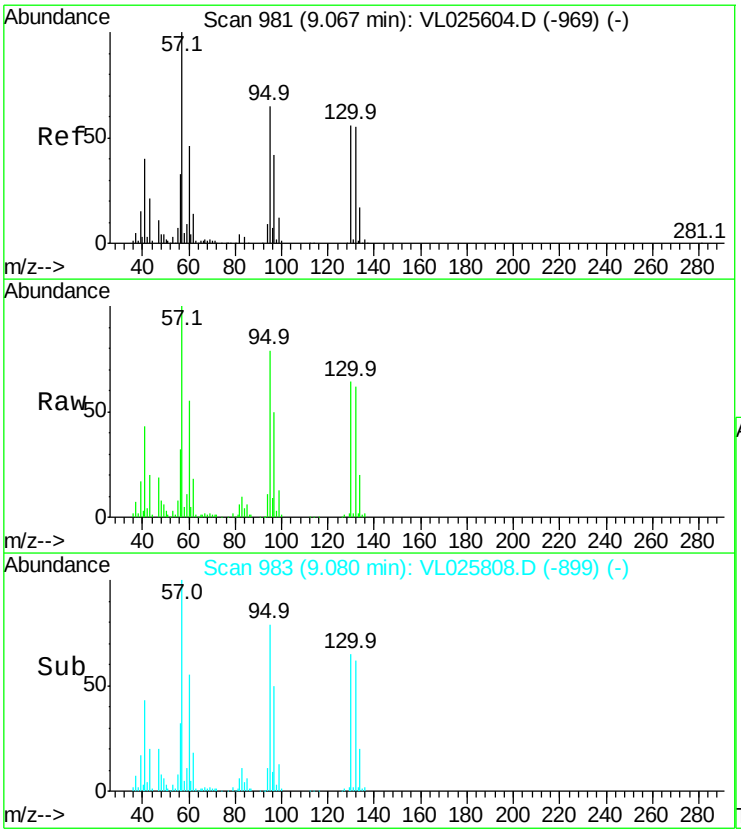
#37
1,2-Dichloroethane
Concen: 8.61 ppbv
RT: 7.38 min Scan# 705
Delta R.T. 0.01 min
Lab File: VL025808.D
Acq: 31 Jul 2015 11:21

Instrument : MSVOA_L
ClientSampleId : VL0731ABS01

Tgt Ion: 62 Resp: 1113335

Ion	Ratio	Lower	Upper
62	100		
98	4.8	4.1	6.1

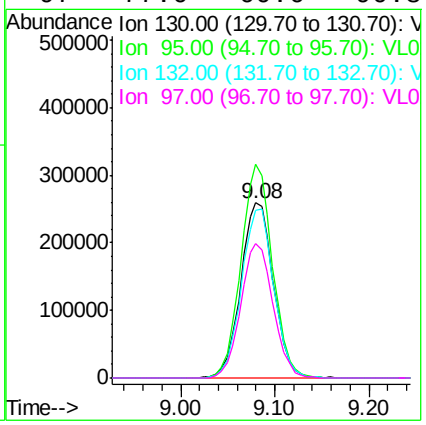


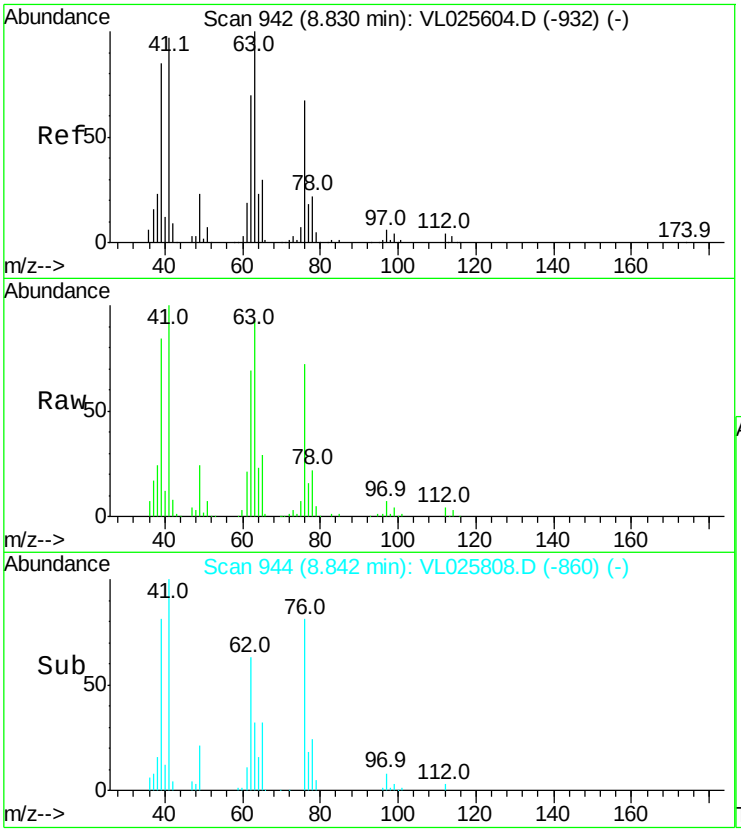


#38
Trichloroethene
Concen: 8.93 ppbv
RT: 9.08 min Scan# 983
Delta R.T. 0.01 min
Lab File: VL025808.D
Acq: 31 Jul 2015 11:21

Tgt Ion:130 Resp: 628694

Ion	Ratio	Lower	Upper
130	100		
95	122.0	94.2	141.4
132	96.0	78.6	118.0
97	77.0	60.6	90.8



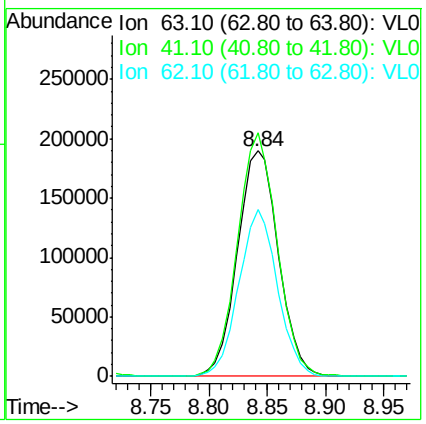


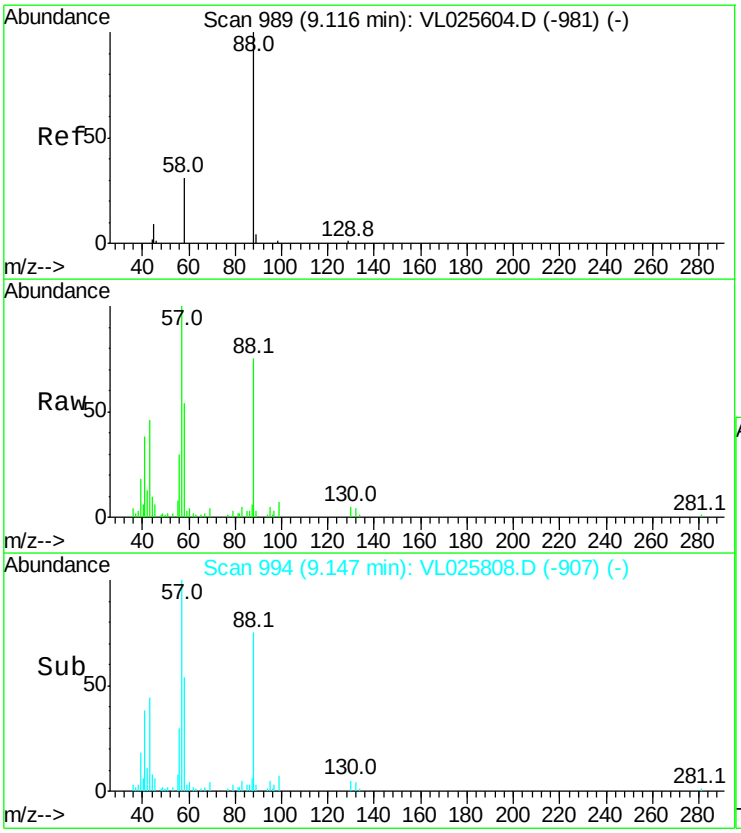
#39
1,2-Dichloropropane
Concen: 8.32 ppbv
RT: 8.84 min Scan# 944
Delta R.T. 0.01 min
Lab File: VL025808.D
Acq: 31 Jul 2015 11:21

Instrument : MSVOA_L
ClientSampleId : VL0731ABS01

Tgt Ion: 63 Resp: 465251

Ion	Ratio	Lower	Upper
63	100		
41	107.9	78.0	117.0
62	74.1	55.7	83.5

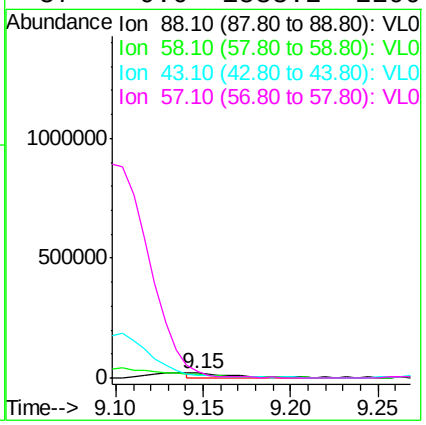


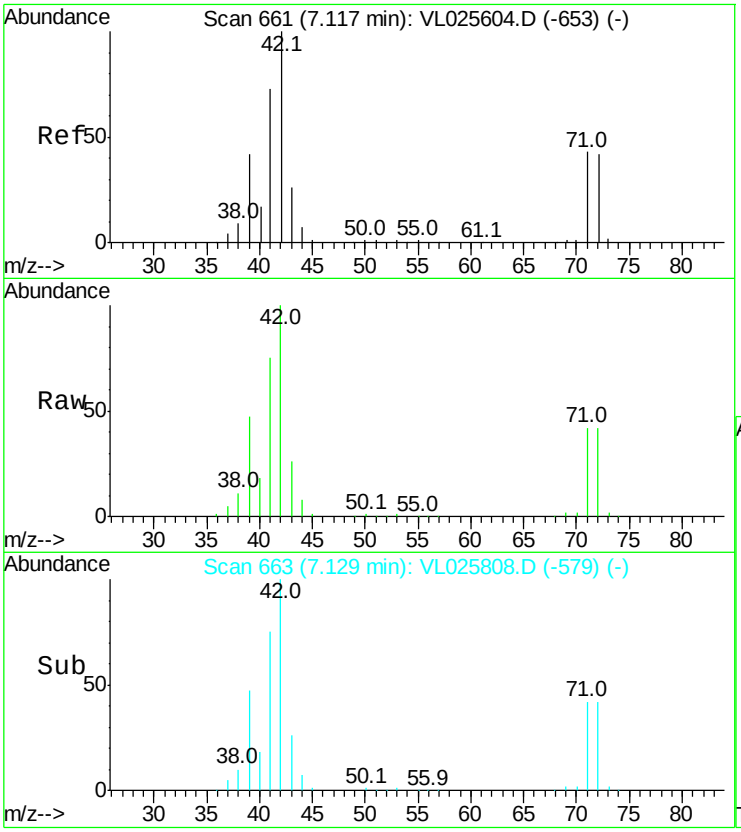


#40
1,4-Dioxane
Concen: 4.01 ppbv
RT: 9.15 min Scan# 994
Delta R.T. 0.03 min
Lab File: VL025808.D
Acq: 31 Jul 2015 11:21

Tgt Ion: 88 Resp: 35173

Ion	Ratio	Lower	Upper
88	100		
58	0.0	127.1	190.7#
43	0.0	337.7	506.5#
57	0.0	1533.2	2299.8#



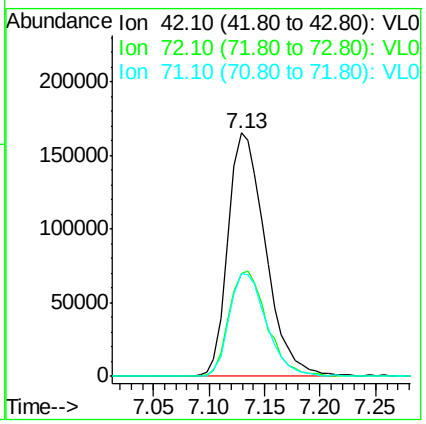


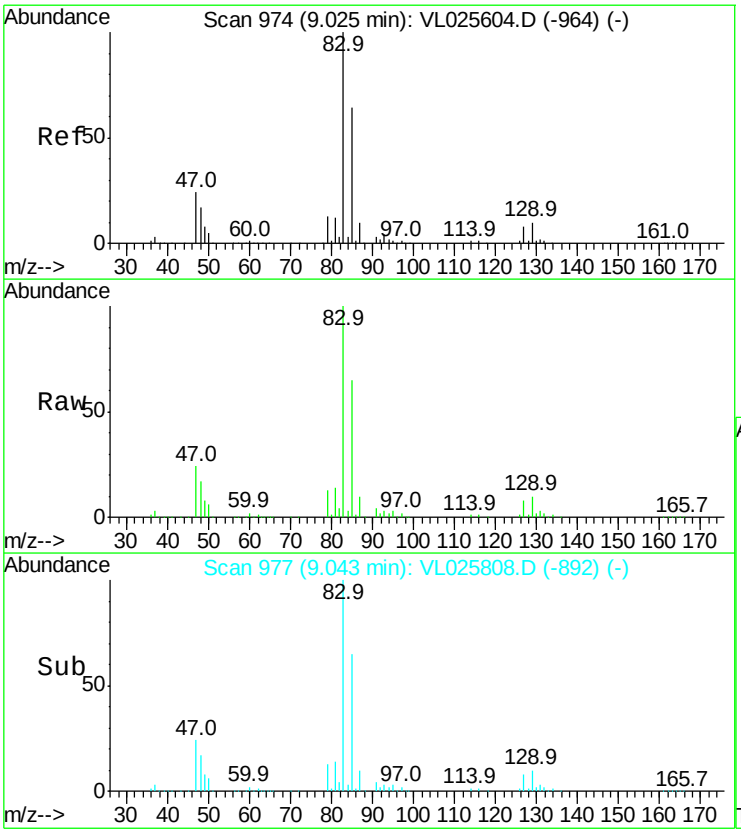
#41
Tetrahydrofuran
Concen: 8.65 ppbv
RT: 7.13 min Scan# 663
Delta R.T. 0.01 min
Lab File: VL025808.D
Acq: 31 Jul 2015 11:21

Instrument : MSVOA_L
ClientSampleId : VL0731ABS01

Tgt Ion: 42 Resp: 387277

Ion	Ratio	Lower	Upper
42	100		
72	43.5	34.0	51.0
71	41.9	33.0	49.6

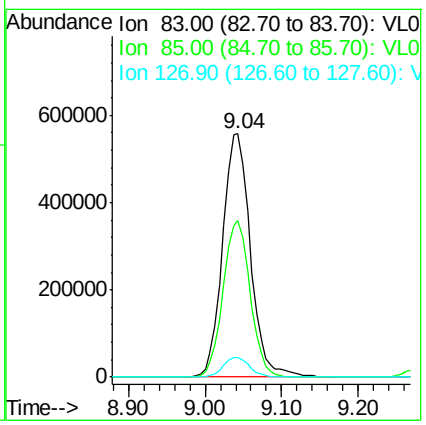


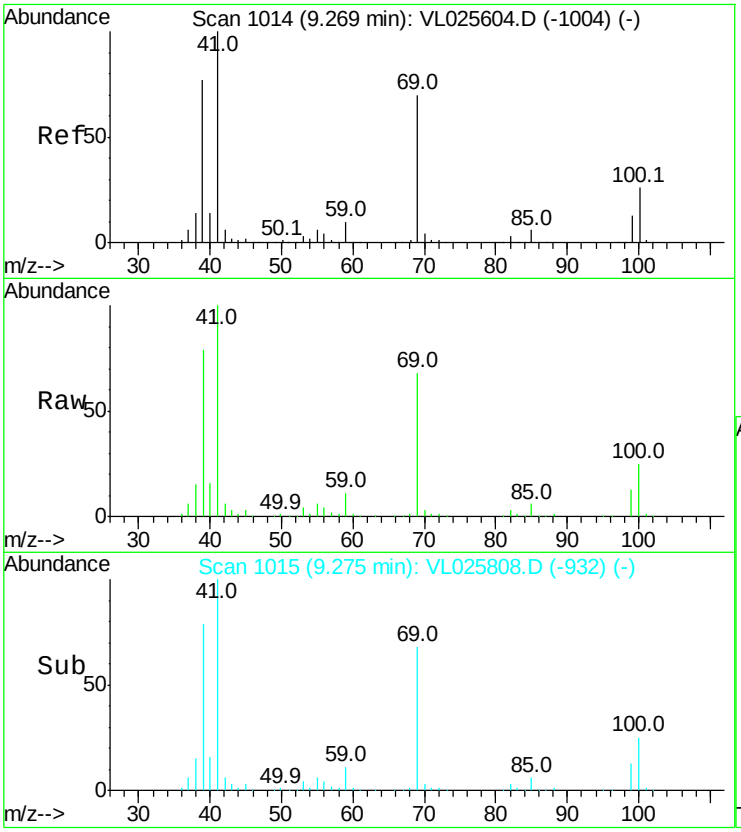


#42
Bromodichloromethane
Concen: 9.01 ppbv
RT: 9.04 min Scan# 977
Delta R.T. 0.02 min
Lab File: VL025808.D
Acq: 31 Jul 2015 11:21

Tgt Ion: 83 Resp: 1405258

Ion	Ratio	Lower	Upper
83	100		
85	64.5	51.3	76.9
127	8.1	6.0	9.0



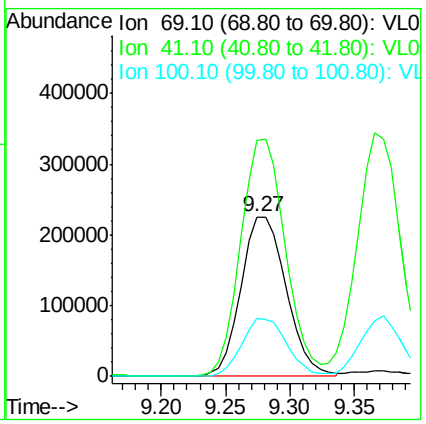


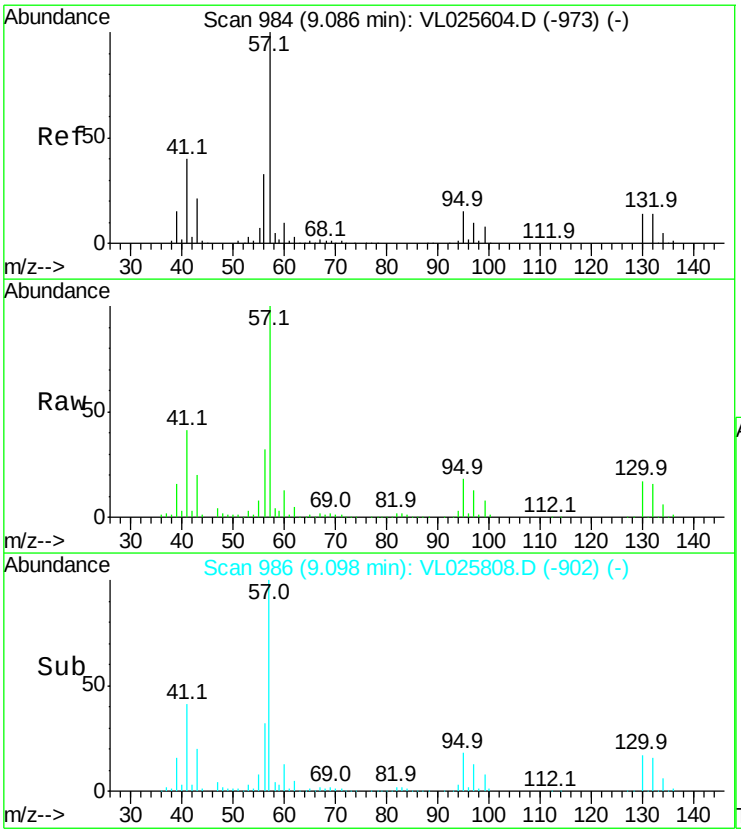
#43
Methyl Methacrylate
Concen: 9.48 ppbv
RT: 9.27 min Scan# 1015
Delta R.T. 0.01 min
Lab File: VL025808.D
Acq: 31 Jul 2015 11:21

Instrument : MSVOA_L
ClientSampleId : VL0731ABS01

Tgt Ion: 69 Resp: 550503

Ion	Ratio	Lower	Upper
69	100		
41	146.8	117.3	175.9
100	36.3	29.0	43.6

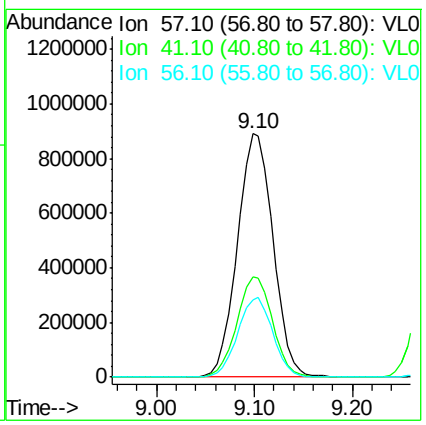


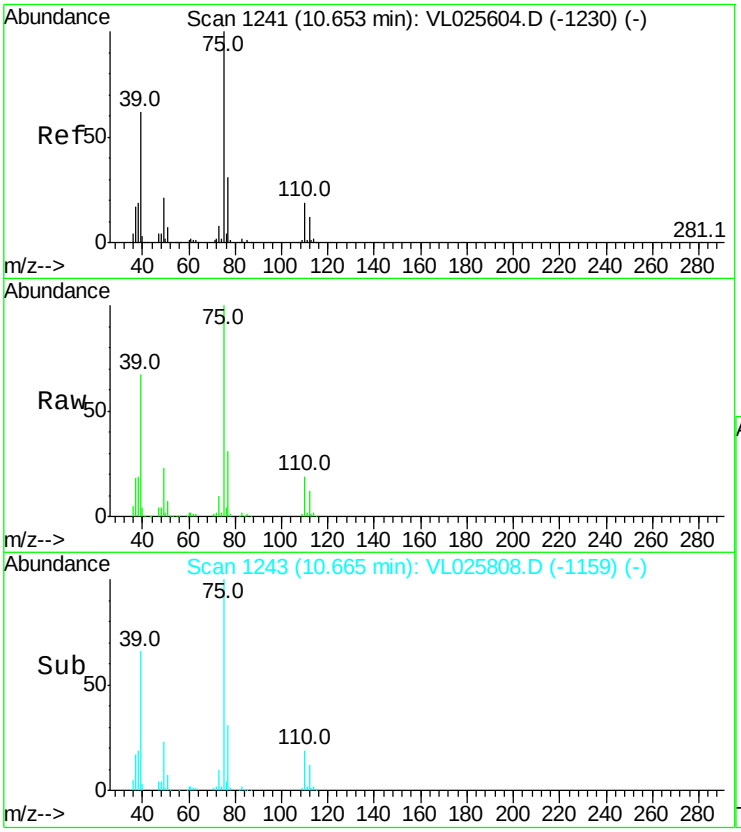


#44
2,2,4-Trimethylpentane
Concen: 8.72 ppbv
RT: 9.10 min Scan# 986
Delta R.T. 0.01 min
Lab File: VL025808.D
Acq: 31 Jul 2015 11:21

Tgt Ion: 57 Resp: 2265043

Ion	Ratio	Lower	Upper
57	100		
41	40.9	31.2	46.8
56	32.1	25.4	38.2



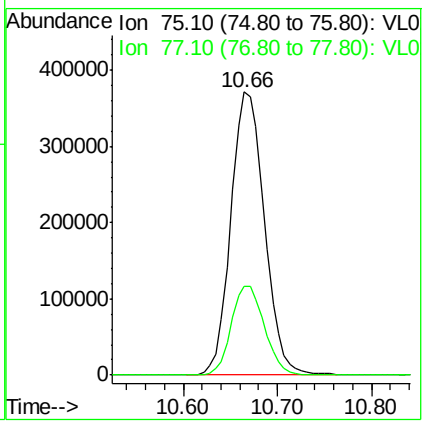


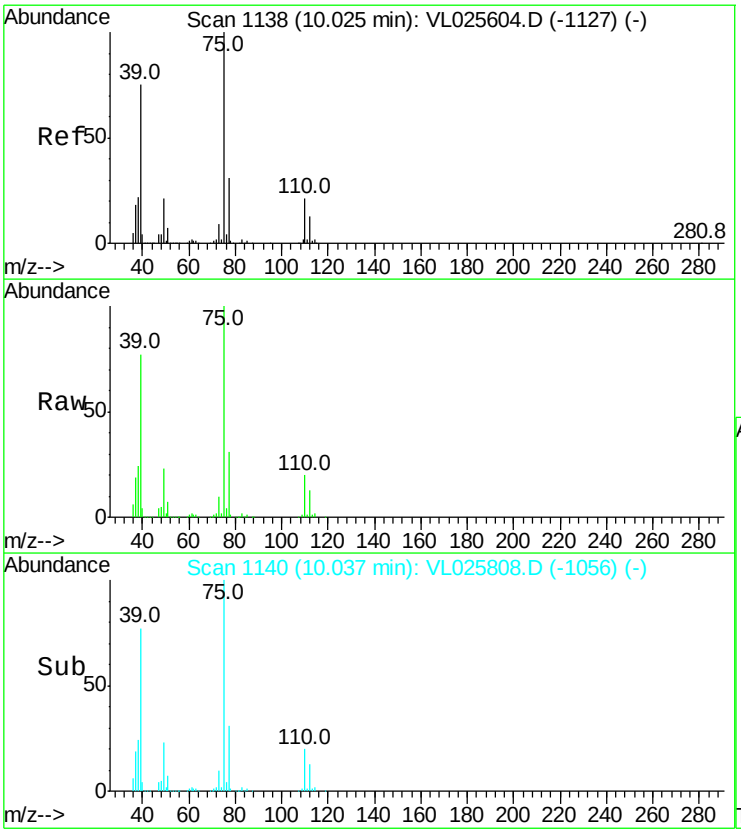
#45
t-1,3-Dichloropropene
Concen: 9.41 ppbv
RT: 10.66 min Scan# 1243
Delta R.T. 0.01 min
Lab File: VL025808.D
Acq: 31 Jul 2015 11:21

Instrument :
MSVOA_L
ClientSampleId :
VL0731ABS01

Tgt Ion: 75 Resp: 919817

Ion	Ratio	Lower	Upper
75	100		
77	31.2	24.6	37.0

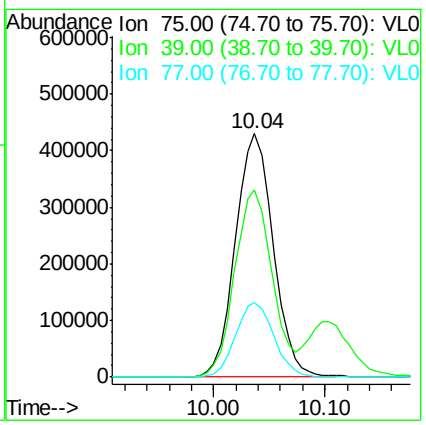


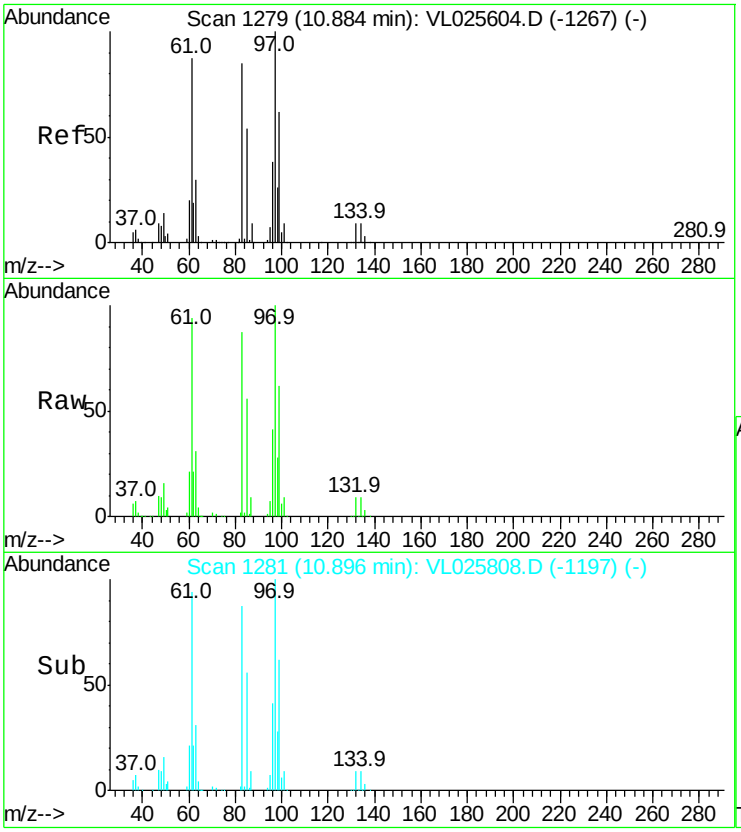


#46
cis-1,3-Dichloropropene
Concen: 9.41 ppbv
RT: 10.04 min Scan# 1140
Delta R.T. 0.01 min
Lab File: VL025808.D
Acq: 31 Jul 2015 11:21

Tgt Ion: 75 Resp: 1016562

Ion	Ratio	Lower	Upper
75	100		
39	76.9	60.4	90.6
77	30.8	24.6	37.0



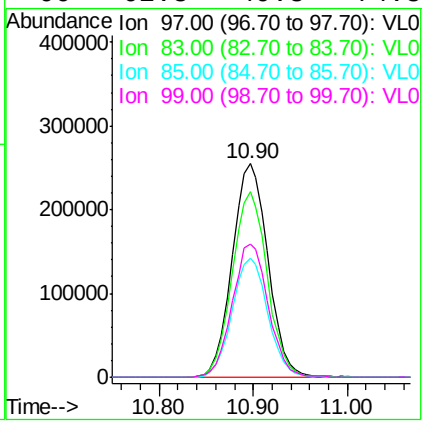


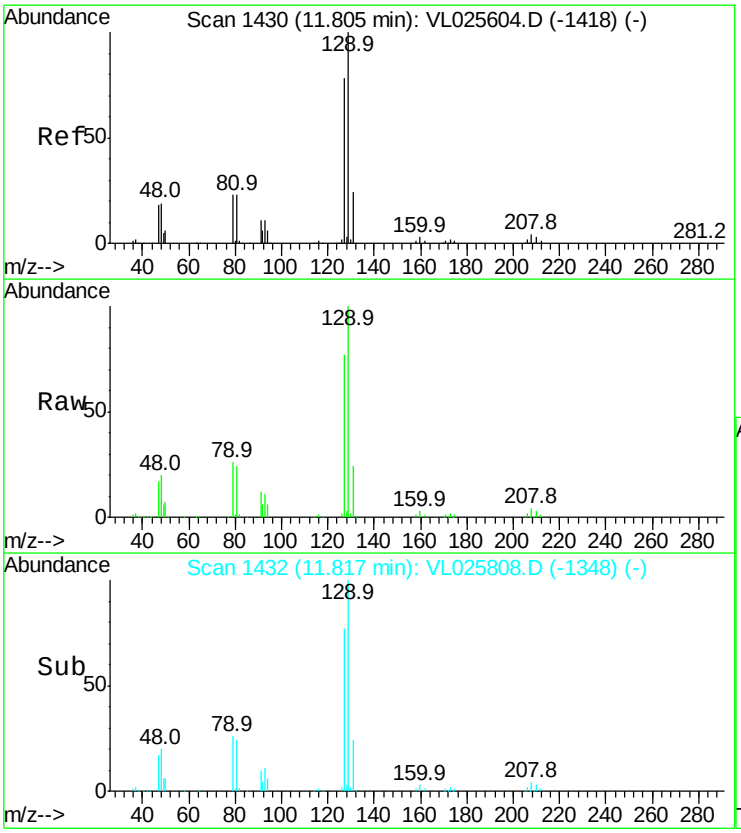
#47
1,1,2-Trichloroethane
Concen: 8.70 ppbv
RT: 10.90 min Scan# 1281
Delta R.T. 0.01 min
Lab File: VL025808.D
Acq: 31 Jul 2015 11:21

Instrument :
MSVOA_L
ClientSampleId :
VL0731ABS01

Tgt Ion: 97 Resp: 676593

Ion	Ratio	Lower	Upper
97	100		
83	86.9	67.8	101.8
85	55.9	43.5	65.3
99	62.3	49.8	74.8

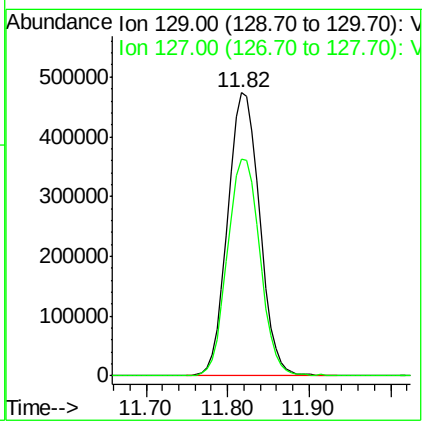


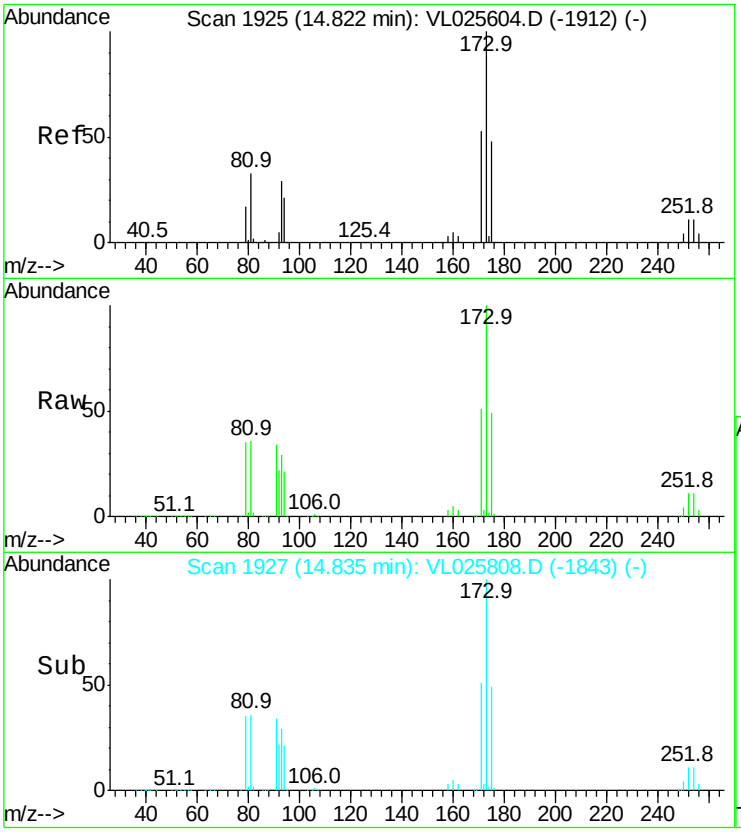


#48
Dibromochloromethane
Concen: 9.26 ppbv
RT: 11.82 min Scan# 1432
Delta R.T. 0.01 min
Lab File: VL025808.D
Acq: 31 Jul 2015 11:21

Tgt Ion:129 Resp: 1289771

Ion	Ratio	Lower	Upper
129	100		
127	78.2	39.0	116.9



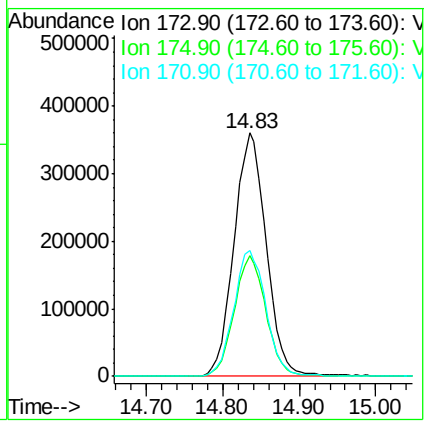


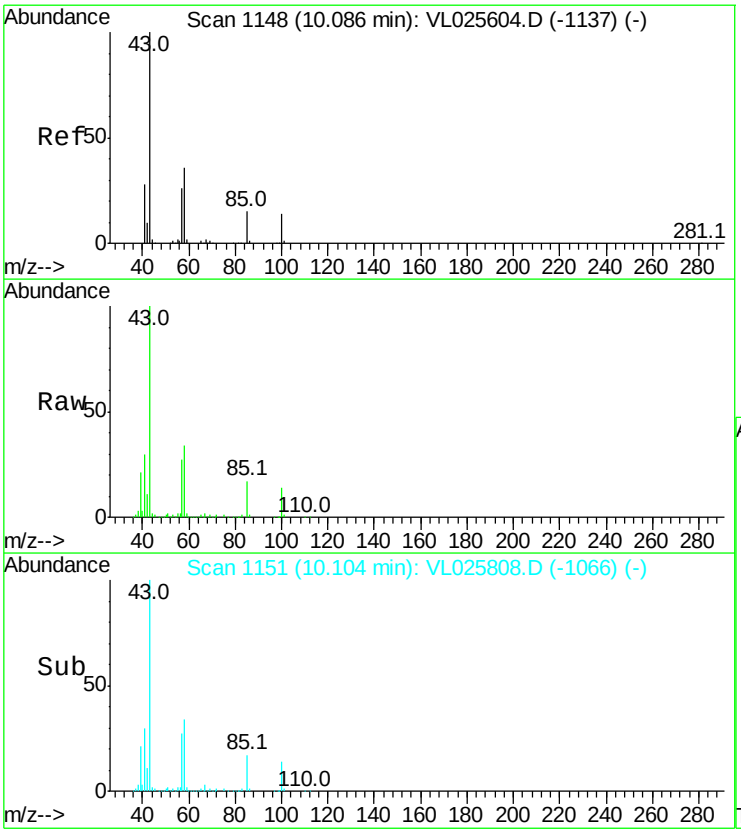
#49
Bromoform
Concen: 9.17 ppbv
RT: 14.83 min Scan# 1927
Delta R.T. 0.01 min
Lab File: VL025808.D
Acq: 31 Jul 2015 11:21

Instrument : MSVOA_L
ClientSampleId : VL0731ABS01

Tgt Ion:173 Resp: 1052197

Ion	Ratio	Lower	Upper
173	100		
175	49.1	39.5	59.3
171	52.0	42.2	63.2

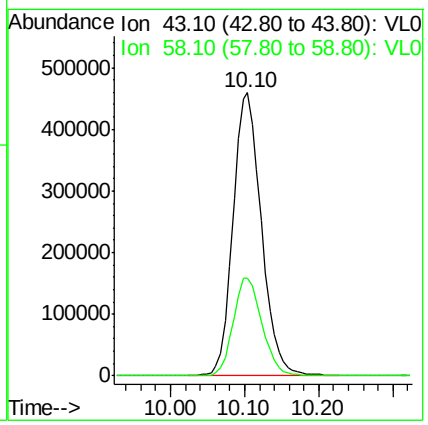


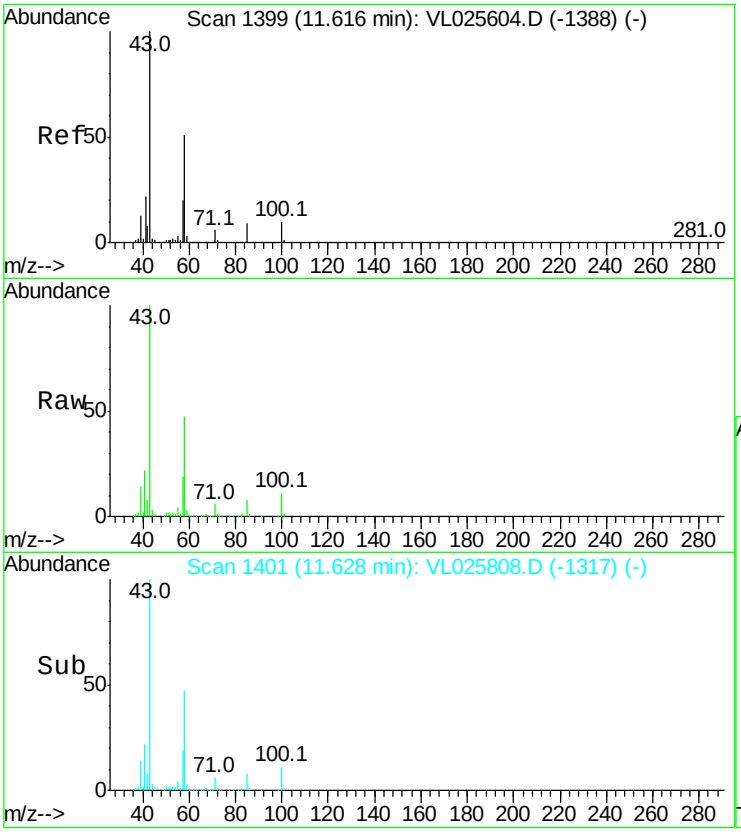


#50
4-Methyl-2-Pentanone
Concen: 9.46 ppbv
RT: 10.10 min Scan# 1151
Delta R.T. 0.02 min
Lab File: VL025808.D
Acq: 31 Jul 2015 11:21

Tgt Ion: 43 Resp: 1222610

Ion	Ratio	Lower	Upper
43	100		
58	35.3	28.5	42.7



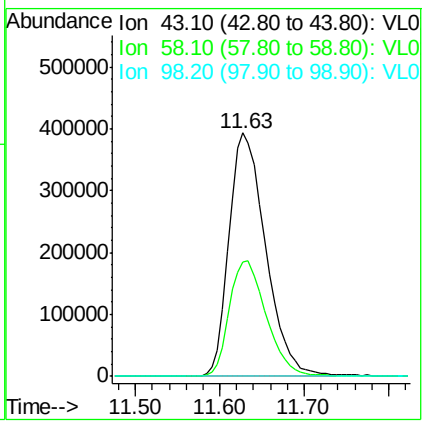


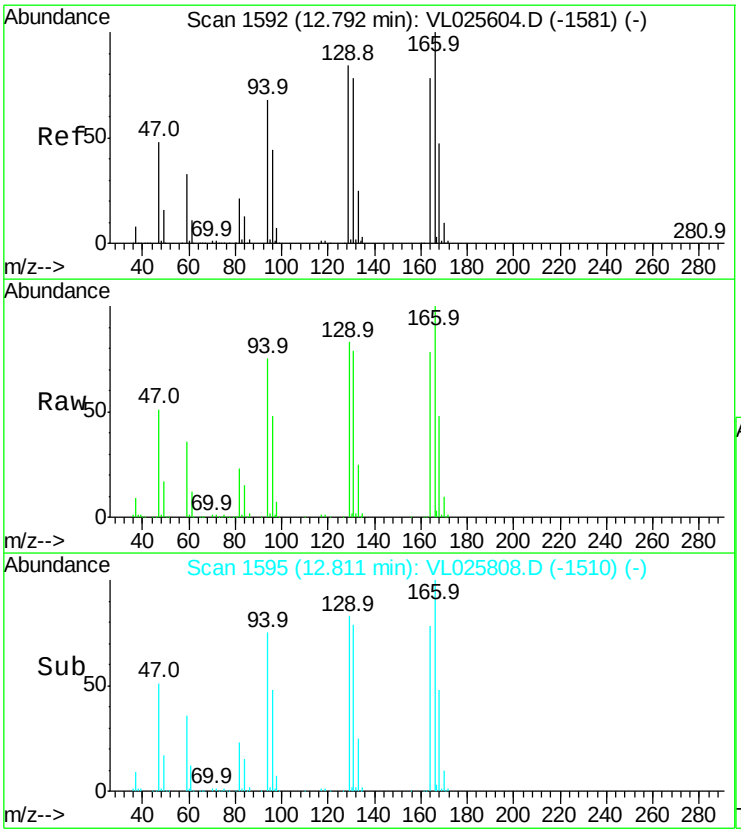
#51
2-Hexanone
Concen: 10.04 ppbv
RT: 11.63 min Scan# 1401
Delta R.T. 0.01 min
Lab File: VL025808.D
Acq: 31 Jul 2015 11:21

Instrument : MSVOA_L
ClientSampleId : VL0731ABS01

Tgt Ion: 43 Resp: 1163232

Ion	Ratio	Lower	Upper
43	100		
58	47.8	39.0	58.6
98	0.4	0.2	0.4#

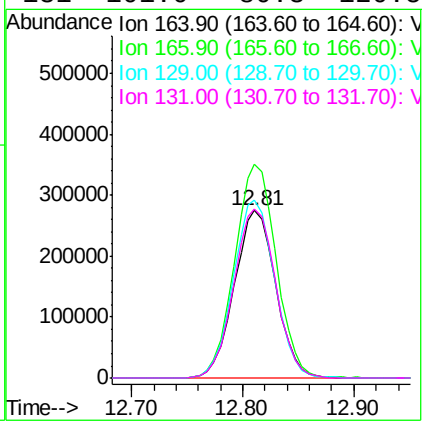


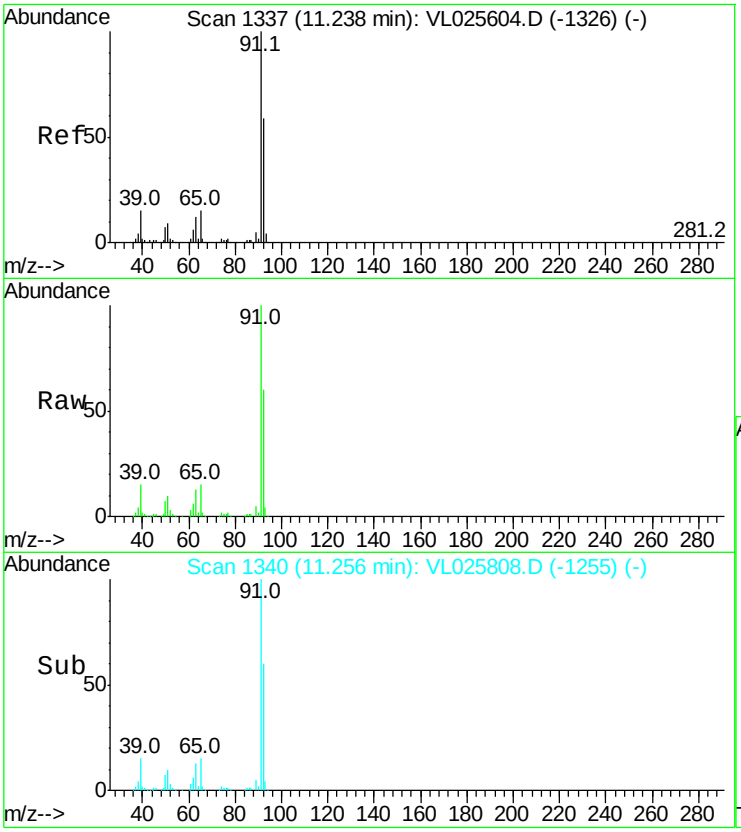


#52
Tetrachloroethene
Concen: 9.32 ppbv
RT: 12.81 min Scan# 1595
Delta R.T. 0.02 min
Lab File: VL025808.D
Acq: 31 Jul 2015 11:21

Tgt Ion:164 Resp: 707903

Ion	Ratio	Lower	Upper
164	100		
166	127.6	102.3	153.5
129	106.6	86.2	129.4
131	101.0	80.3	120.5



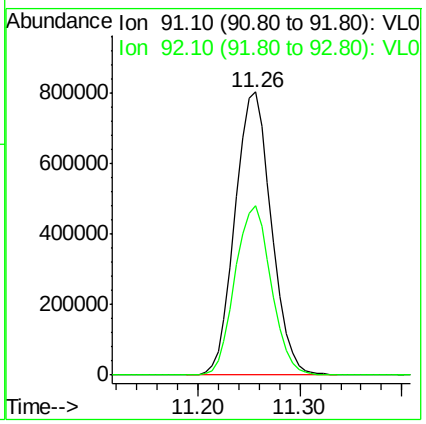


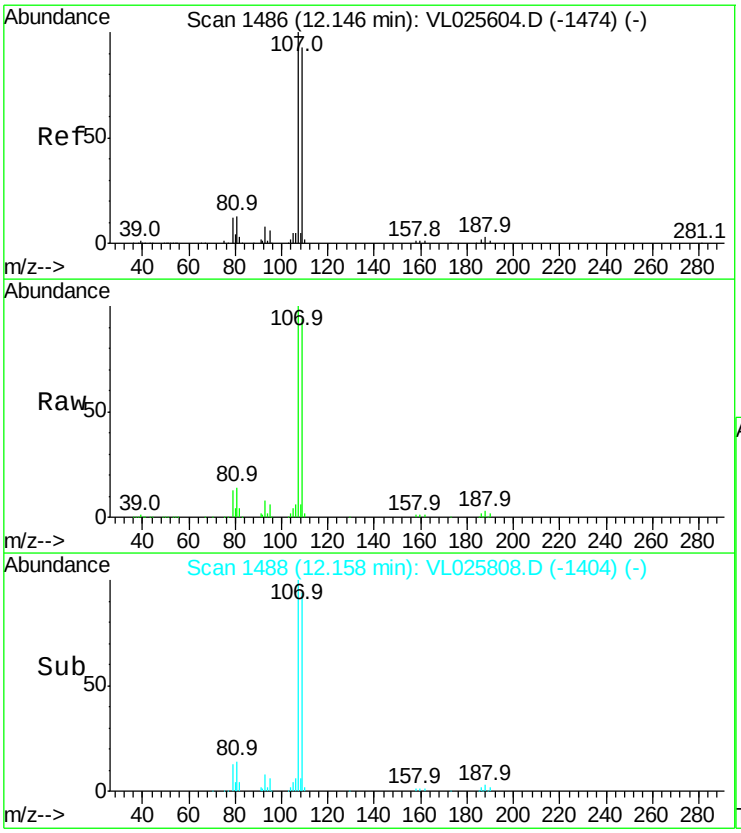
#53
Toluene
Concen: 9.34 ppbv
RT: 11.26 min Scan# 1340
Delta R.T. 0.02 min
Lab File: VL025808.D
Acq: 31 Jul 2015 11:21

Instrument : MSVOA_L
ClientSampleId : VL0731ABS01

Tgt Ion: 91 Resp: 1988133

Ion	Ratio	Lower	Upper
91	100		
92	59.9	48.2	72.2

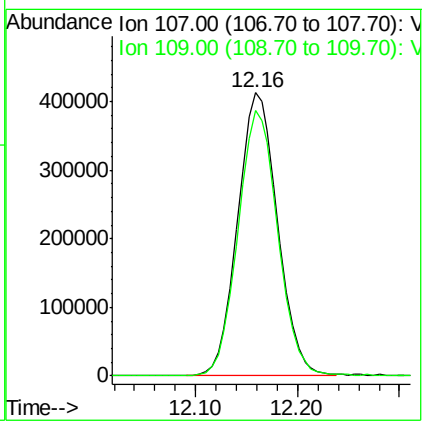


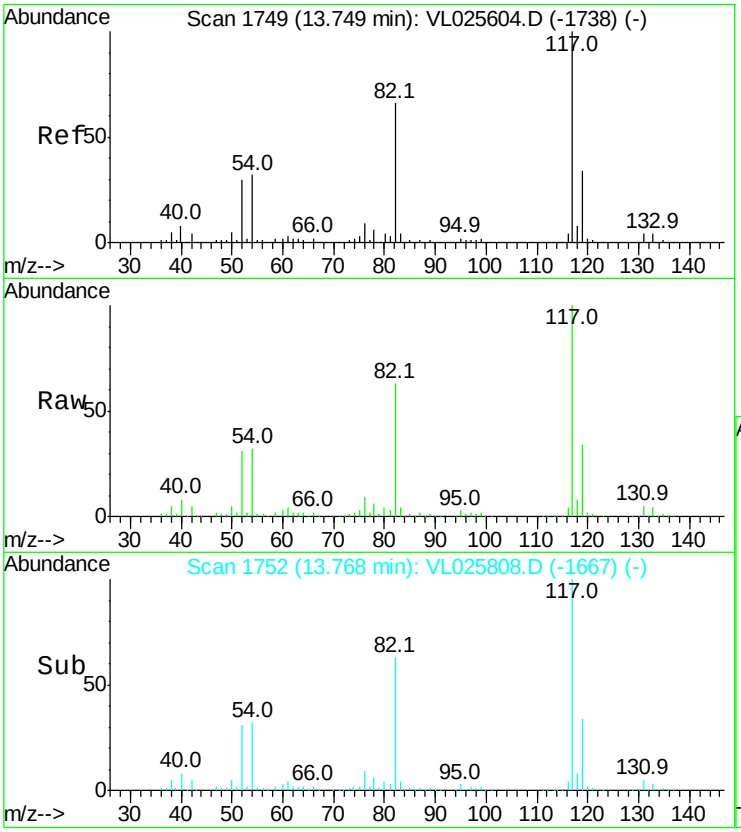


#54
1,2-Dibromoethane
Concen: 8.91 ppbv
RT: 12.16 min Scan# 1488
Delta R.T. 0.01 min
Lab File: VL025808.D
Acq: 31 Jul 2015 11:21

Tgt Ion:107 Resp: 1121152

Ion	Ratio	Lower	Upper
107	100		
109	93.6	74.1	111.1



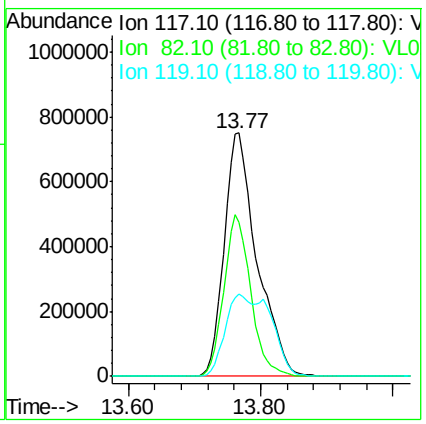


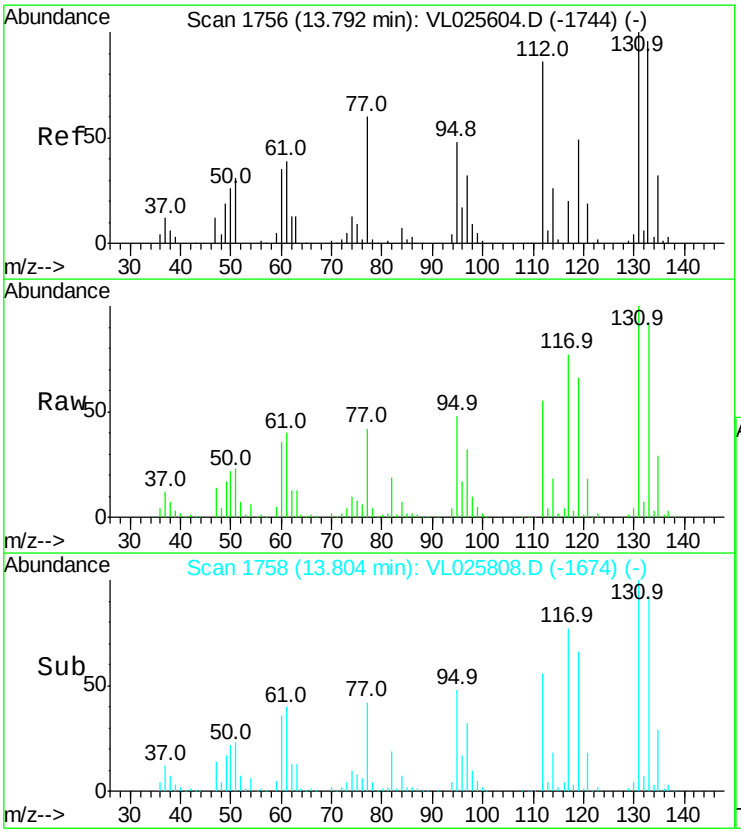
#55
Chlorobenzene-d5
Concen: 10.00 ppbv
RT: 13.77 min Scan# 1752
Delta R.T. 0.02 min
Lab File: VL025808.D
Acq: 31 Jul 2015 11:21

Instrument : MSVOA_L
ClientSampleId : VL0731ABS01

Tgt Ion:117 Resp: 2575409

Ion	Ratio	Lower	Upper
117	100		
82	54.9	50.5	75.7
119	47.5	45.1	67.7

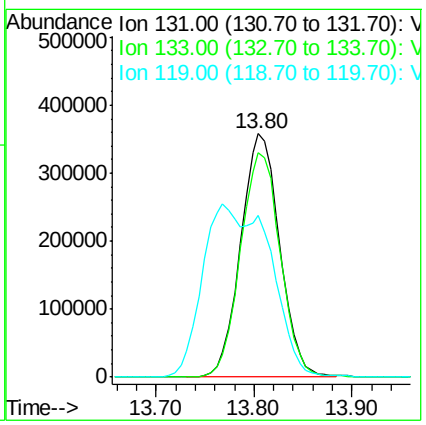


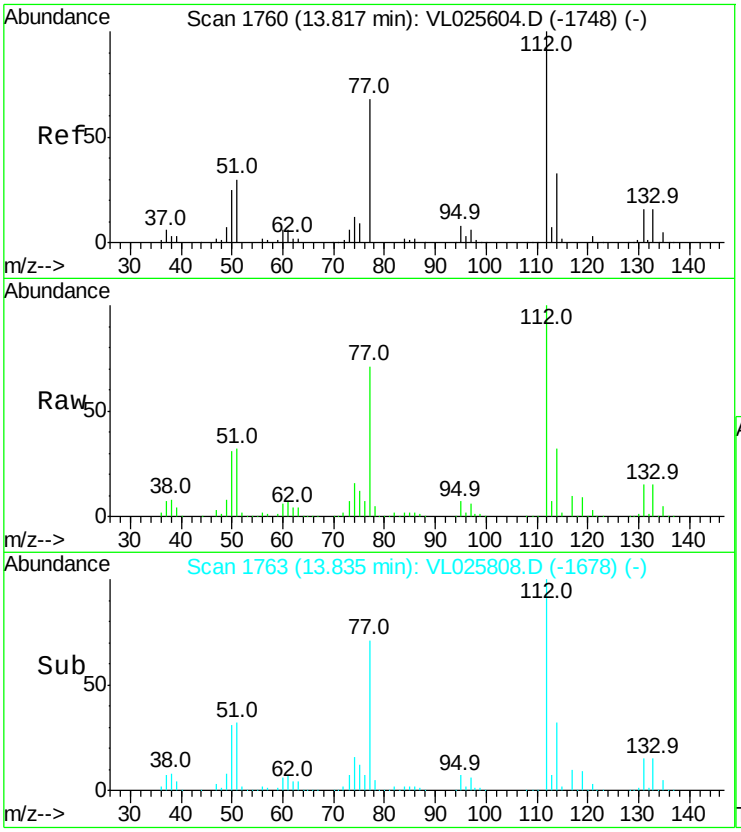


#56
1,1,1,2-Tetrachloroethane
Concen: 7.08 ppbv
RT: 13.80 min Scan# 1758
Delta R.T. 0.01 min
Lab File: VL025808.D
Acq: 31 Jul 2015 11:21

Tgt Ion:131 Resp: 985579

Ion	Ratio	Lower	Upper
131	100		
133	94.7	76.9	115.3
119	124.2	97.8	146.8



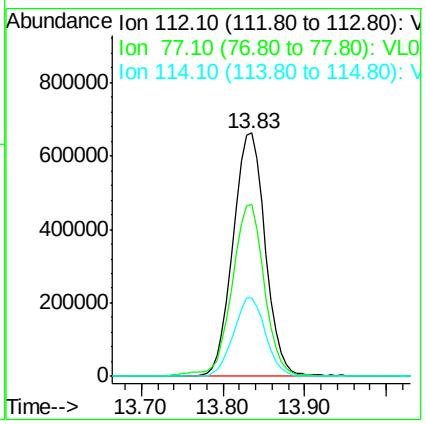


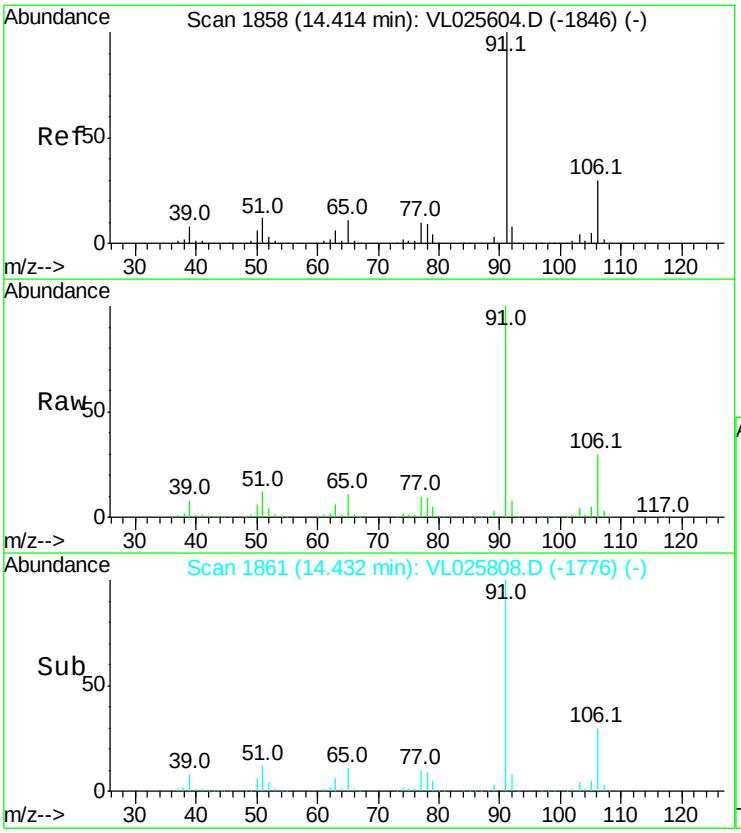
#57
Chlorobenzene
Concen: 6.63 ppbv
RT: 13.83 min Scan# 1763
Delta R.T. 0.02 min
Lab File: VL025808.D
Acq: 31 Jul 2015 11:21

Instrument : MSVOA_L
ClientSampleId : VL0731ABS01

Tgt Ion:112 Resp: 1816596

Ion	Ratio	Lower	Upper
112	100		
77	70.4	55.2	82.8
114	32.2	29.4	36.0

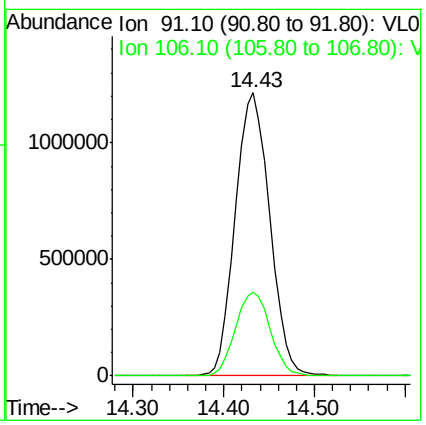


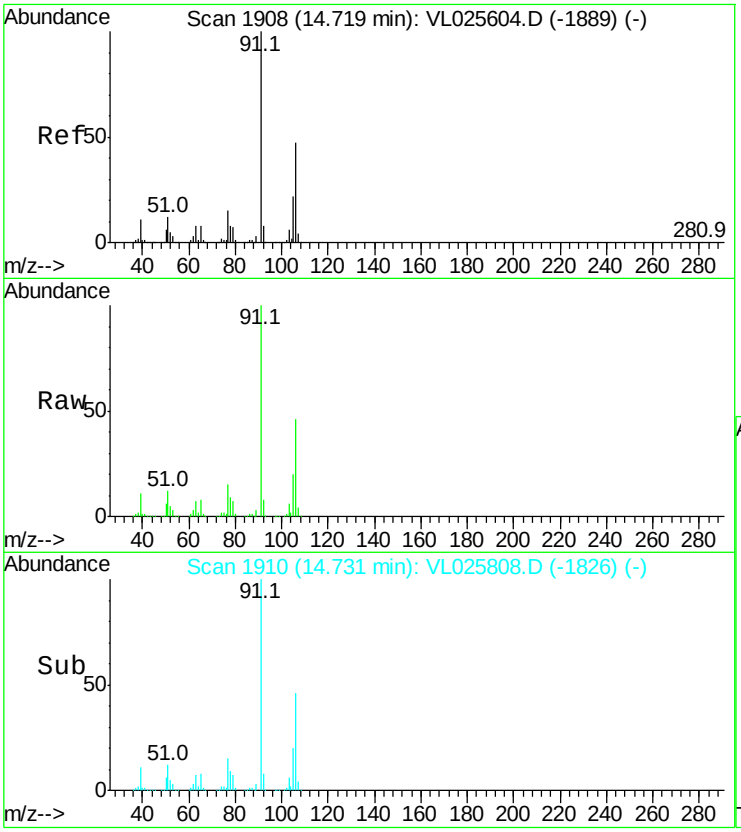


#58
Ethyl Benzene
Concen: 7.56 ppbv
RT: 14.43 min Scan# 1861
Delta R.T. 0.02 min
Lab File: VL025808.D
Acq: 31 Jul 2015 11:21

Tgt Ion: 91 Resp: 3213774

Ion	Ratio	Lower	Upper
91	100		
106	29.5	24.2	36.2



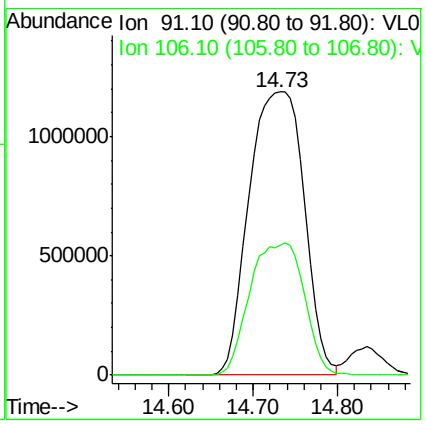


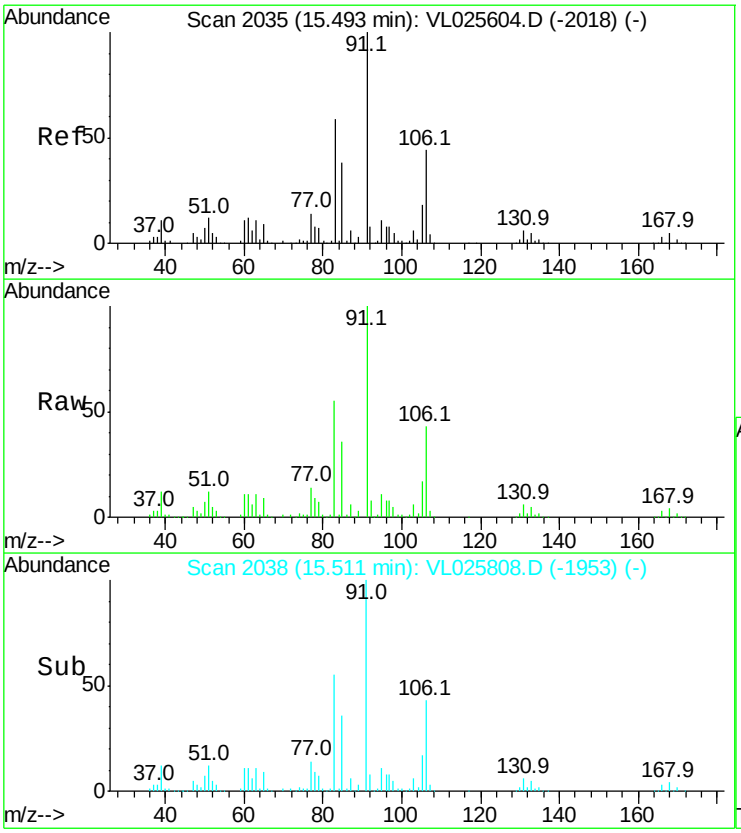
#59
m/p-Xylene
Concen: 14.31 ppbv
RT: 14.73 min Scan# 1910
Delta R.T. 0.01 min
Lab File: VL025808.D
Acq: 31 Jul 2015 11:21

Instrument : MSVOA_L
ClientSampleId : VL0731ABS01

Tgt Ion: 91 Resp: 5348883

Ion	Ratio	Lower	Upper
91	100		
106	46.3	37.9	56.9

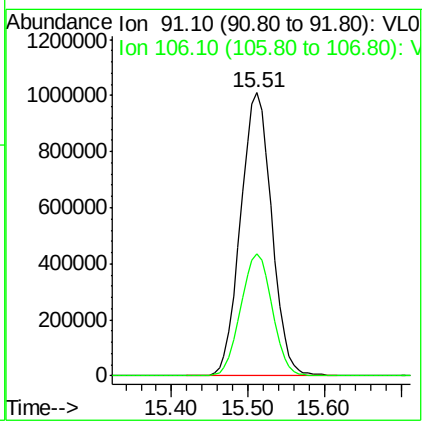


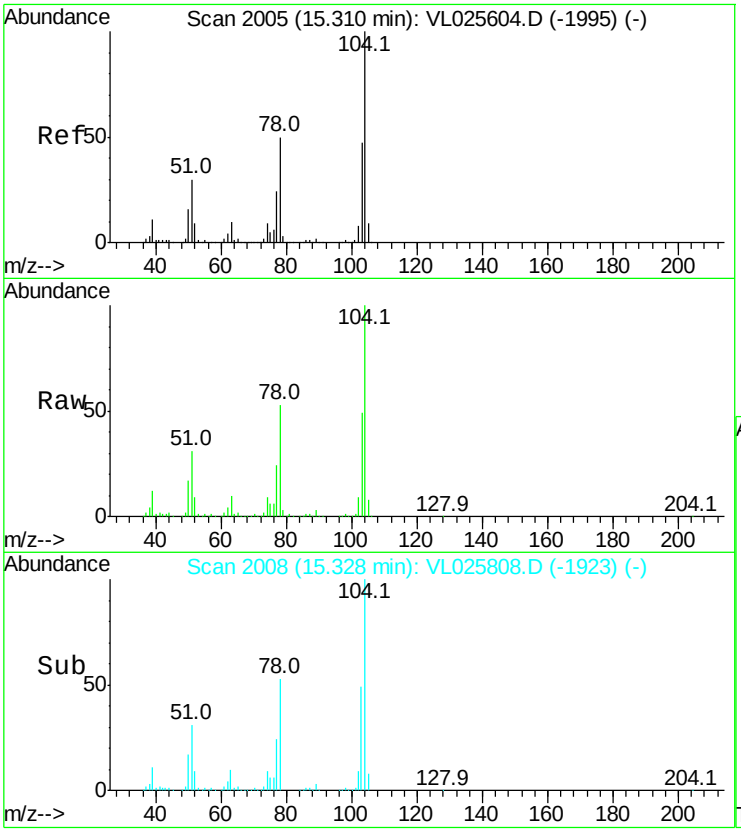


#60
o-Xylene
Concen: 7.11 ppbv
RT: 15.51 min Scan# 2038
Delta R.T. 0.02 min
Lab File: VL025808.D
Acq: 31 Jul 2015 11:21

Tgt Ion: 91 Resp: 2861366

Ion	Ratio	Lower	Upper
91	100		
106	43.8	22.1	66.1



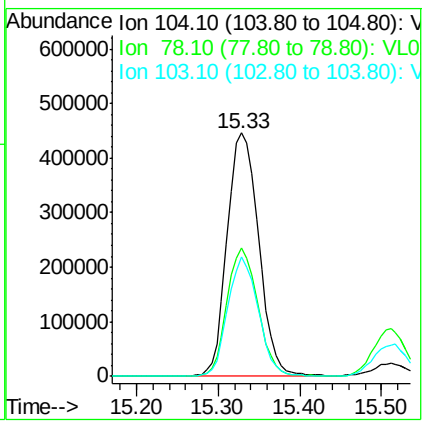


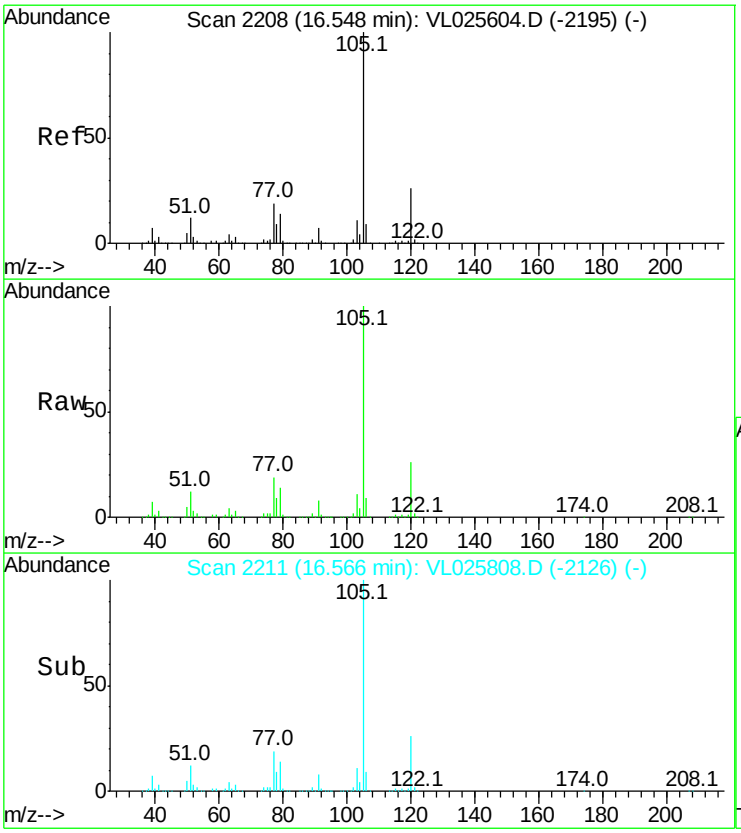
#61
Styrene
Concen: 8.49 ppbv
RT: 15.33 min Scan# 2008
Delta R.T. 0.02 min
Lab File: VL025808.D
Acq: 31 Jul 2015 11:21

Instrument :
MSVOA_L
ClientSampleId :
VL0731ABS01

Tgt Ion:104 Resp: 1196883

Ion	Ratio	Lower	Upper
104	100		
78	51.6	40.2	60.4
103	47.1	37.4	56.2

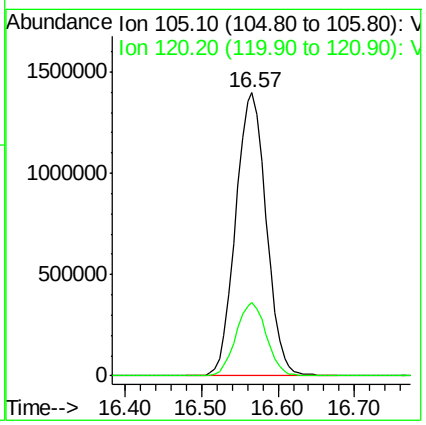


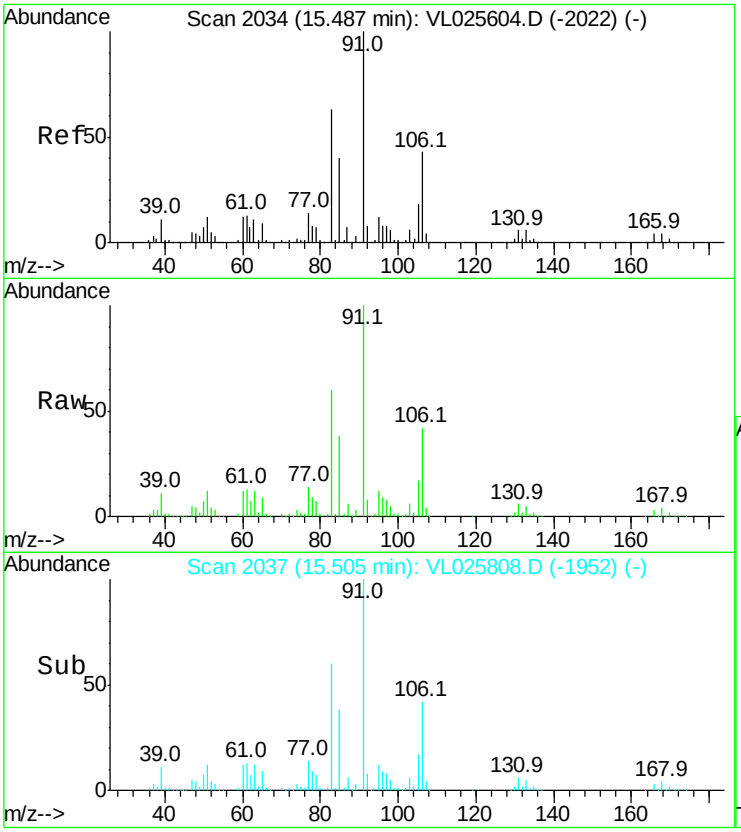


#62
Isopropylbenzene
Concen: 7.38 ppbv
RT: 16.57 min Scan# 2211
Delta R.T. 0.02 min
Lab File: VL025808.D
Acq: 31 Jul 2015 11:21

Tgt Ion:105 Resp: 3880926

Ion	Ratio	Lower	Upper
105	100		
120	25.7	20.6	31.0



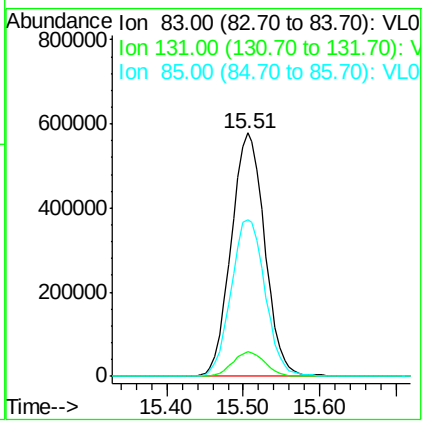


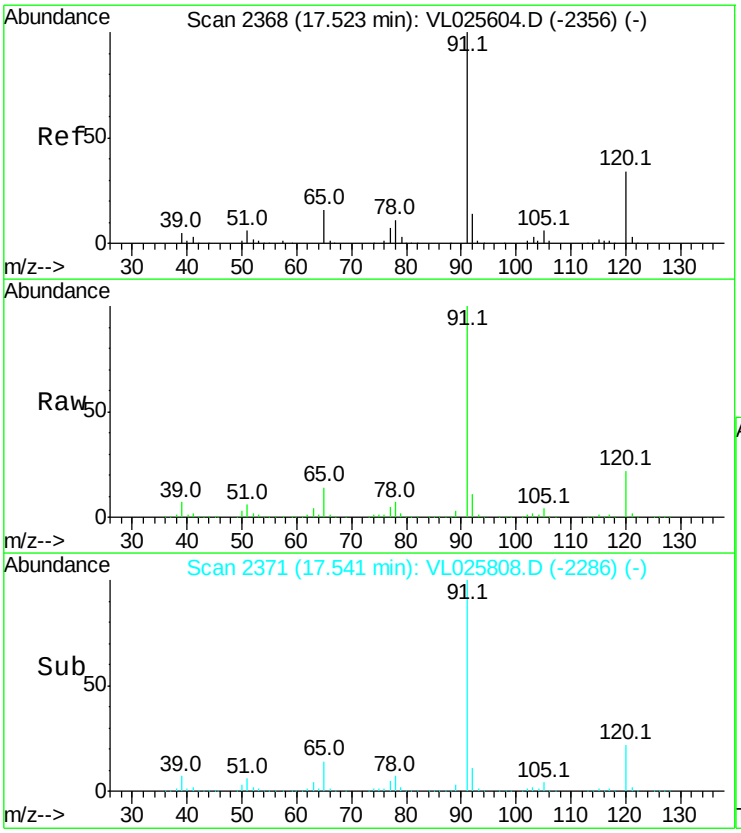
#63
1,1,2,2-Tetrachloroethane
Concen: 6.46 ppbv
RT: 15.51 min Scan# 2037
Delta R.T. 0.02 min
Lab File: VL025808.D
Acq: 31 Jul 2015 11:21

Instrument : MSVOA_L
ClientSampleId : VL0731ABS01

Tgt Ion: 83 Resp: 1758045

Ion	Ratio	Lower	Upper
83	100		
131	9.8	4.8	14.4
85	65.5	32.4	97.2

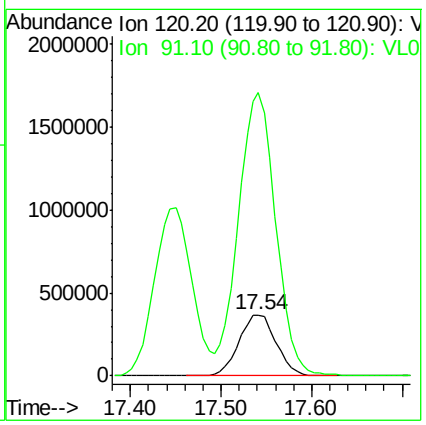


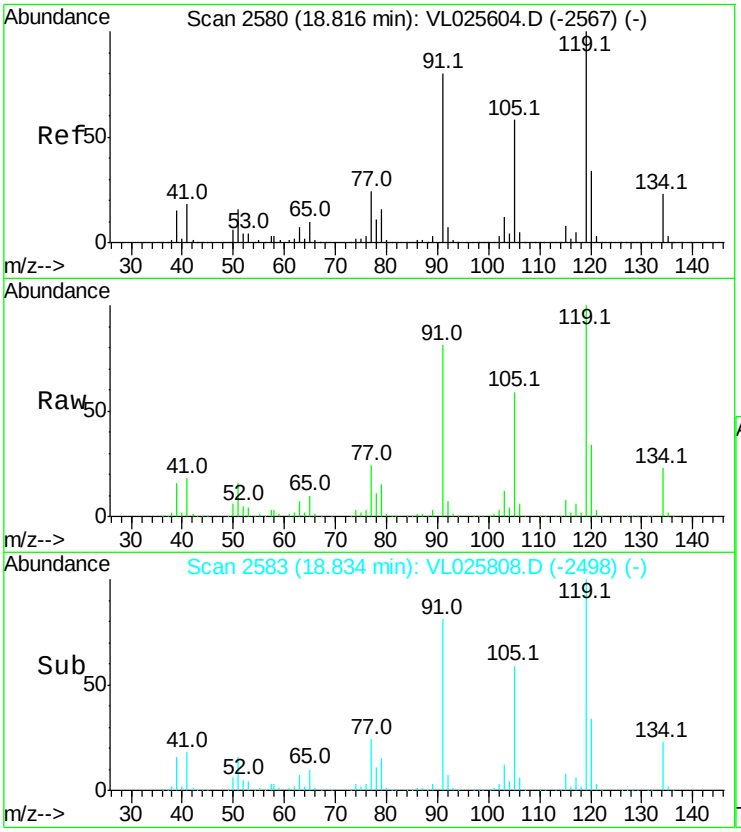


#64
n-propylbenzene
Concen: 7.33 ppbv
RT: 17.54 min Scan# 2371
Delta R.T. 0.02 min
Lab File: VL025808.D
Acq: 31 Jul 2015 11:21

Tgt Ion:120 Resp: 1042381

Ion	Ratio	Lower	Upper
120	100		
91	470.4	370.5	555.7



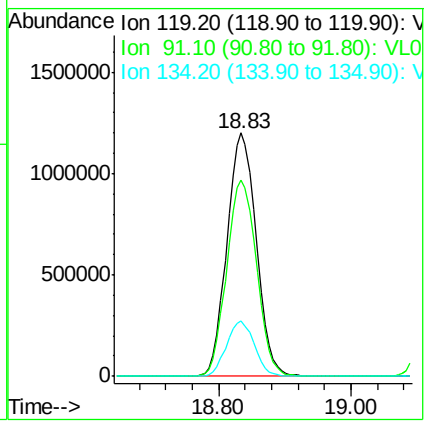


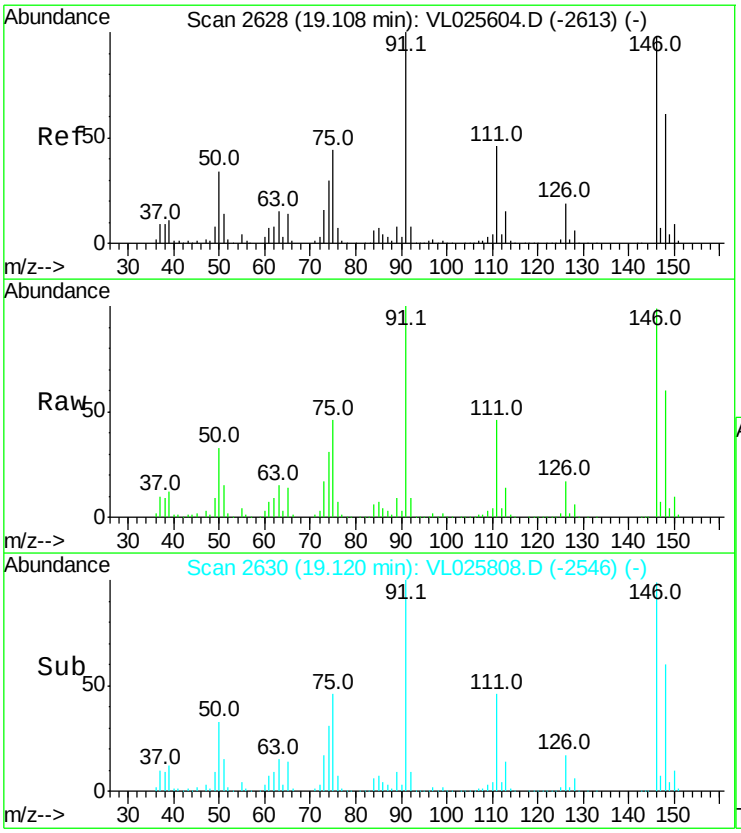
#65
tert-Butylbenzene
Concen: 7.14 ppbv
RT: 18.83 min Scan# 2583
Delta R.T. 0.02 min
Lab File: VL025808.D
Acq: 31 Jul 2015 11:21

Instrument : MSVOA_L
ClientSampleId : VL0731ABS01

Tgt Ion:119 Resp: 3688682

Ion	Ratio	Lower	Upper
119	100		
91	82.4	64.5	96.7
134	21.7	17.4	26.0

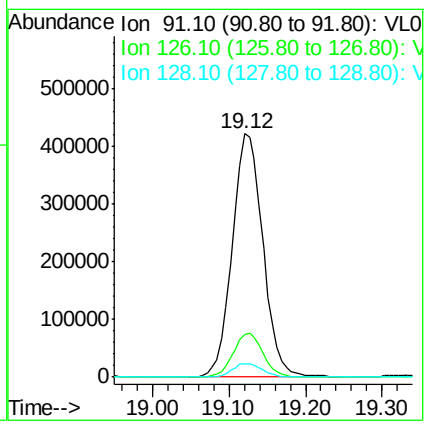


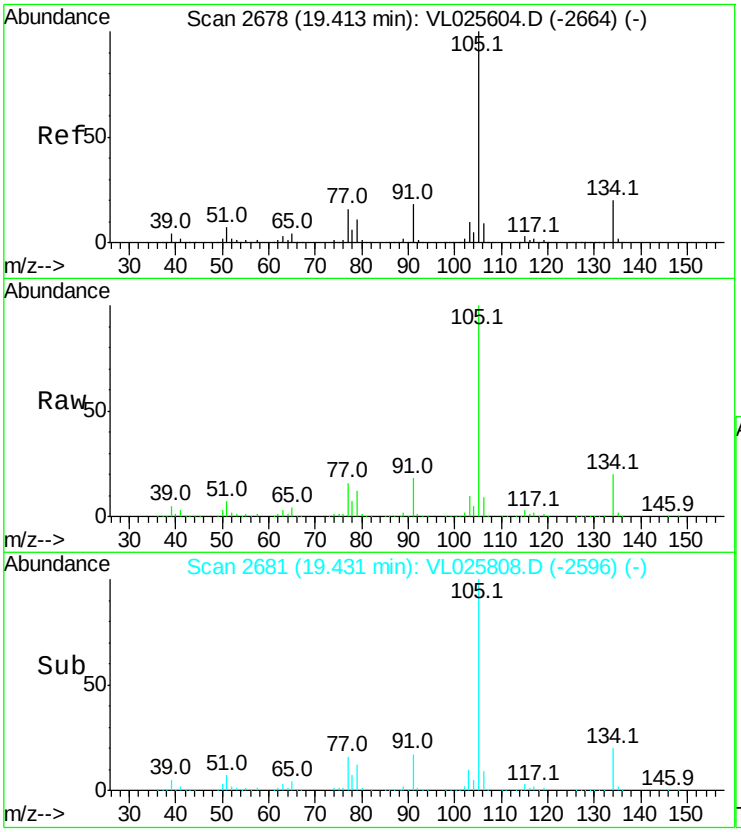


#66
Benzyl Chloride
Concen: 6.15 ppbv
RT: 19.12 min Scan# 2630
Delta R.T. 0.01 min
Lab File: VL025808.D
Acq: 31 Jul 2015 11:21

Tgt Ion: 91 Resp: 1165604

Ion	Ratio	Lower	Upper
91	100		
126	17.5	14.5	21.7
128	5.6	4.6	7.0



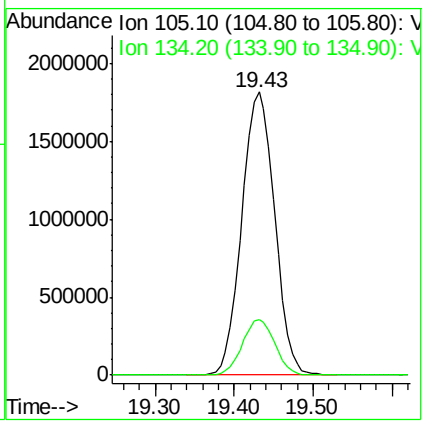


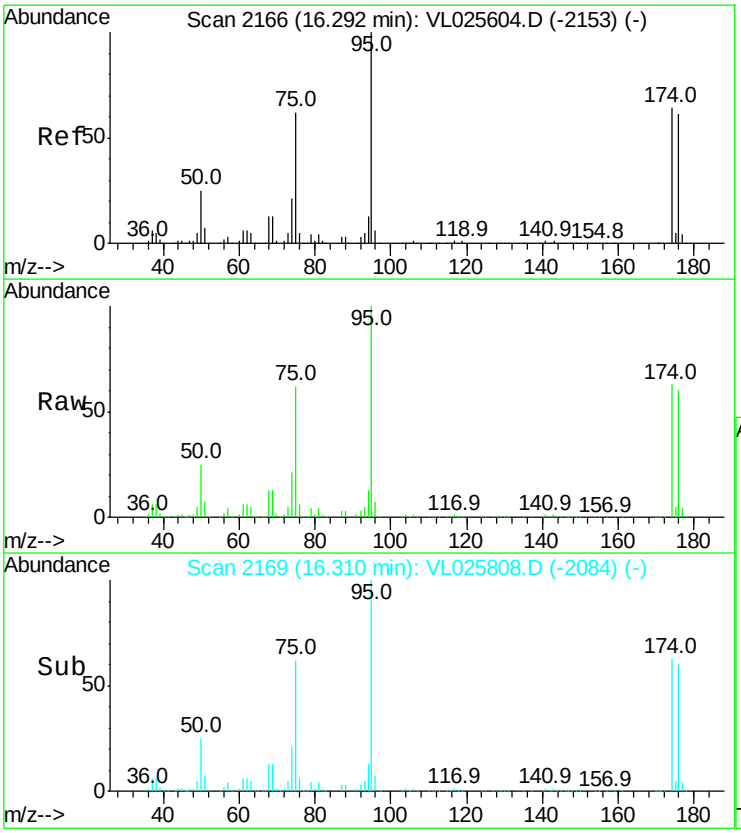
#67
sec-Butylbenzene
Concen: 7.28 ppbv
RT: 19.43 min Scan# 2681
Delta R.T. 0.02 min
Lab File: VL025808.D
Acq: 31 Jul 2015 11:21

Instrument : MSVOA_L
ClientSampleId : VL0731ABS01

Tgt Ion:105 Resp: 5266992

Ion	Ratio	Lower	Upper
105	100		
134	19.4	15.4	23.2

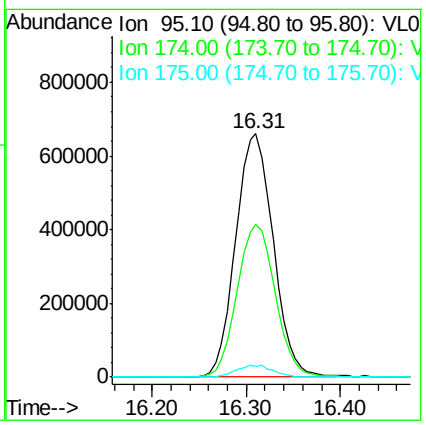


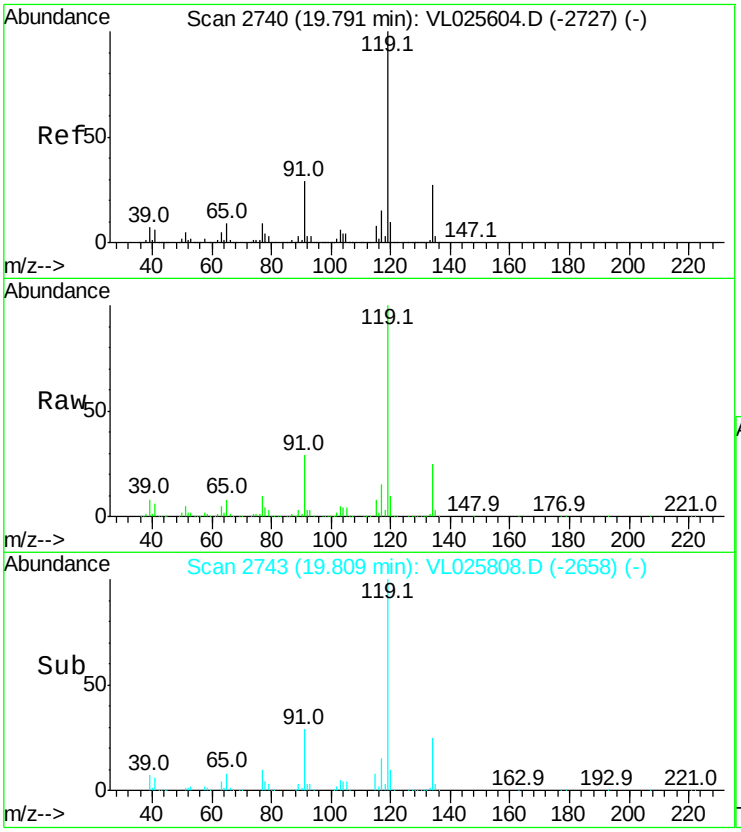


#68
1-Bromo-4-Fluorobenzene
Concen: 8.47 ppbv
RT: 16.31 min Scan# 2169
Delta R.T. 0.02 min
Lab File: VL025808.D
Acq: 31 Jul 2015 11:21

Tgt Ion: 95 Resp: 1840783

Ion	Ratio	Lower	Upper
95	100		
174	64.0	52.0	78.0
175	4.9	3.9	5.9



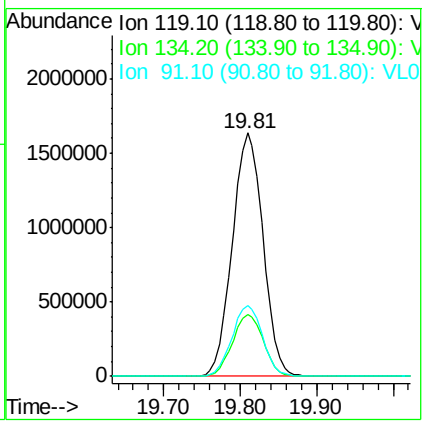


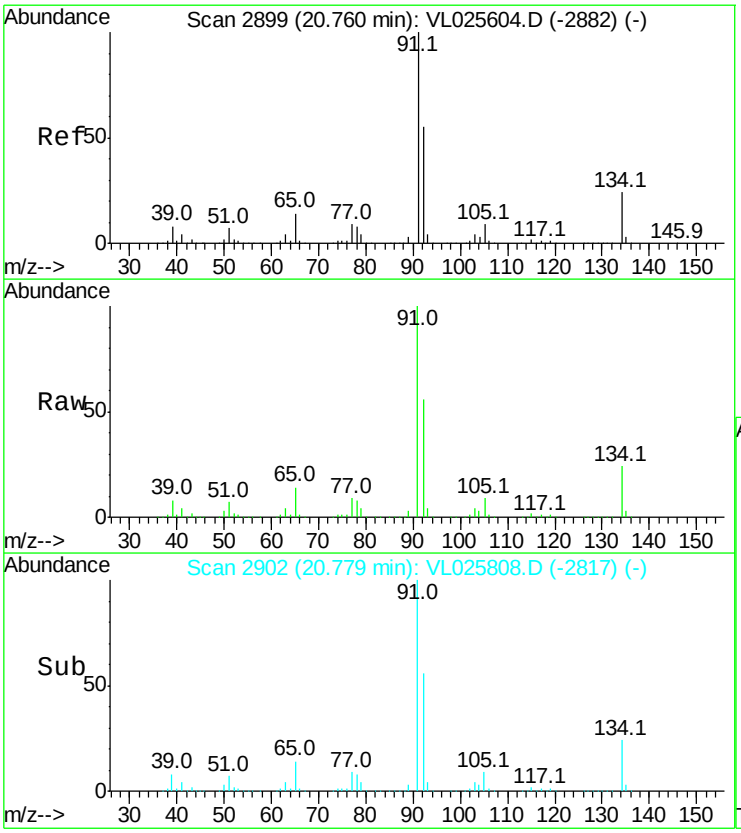
#69
p-Isopropyltoluene
Concen: 7.63 ppbv
RT: 19.81 min Scan# 2743
Delta R.T. 0.02 min
Lab File: VL025808.D
Acq: 31 Jul 2015 11:21

Instrument :
MSVOA_L
ClientSampleId :
VL0731ABS01

Tgt Ion:119 Resp: 4550969

Ion	Ratio	Lower	Upper
119	100		
134	25.6	20.7	31.1
91	28.9	22.6	34.0

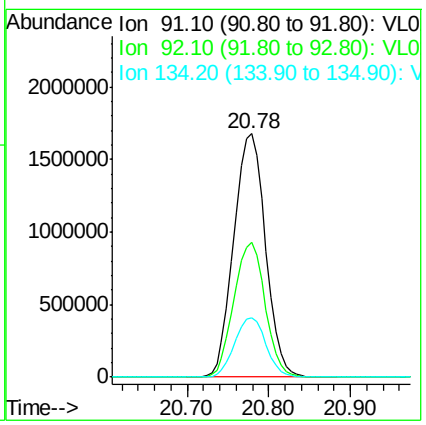


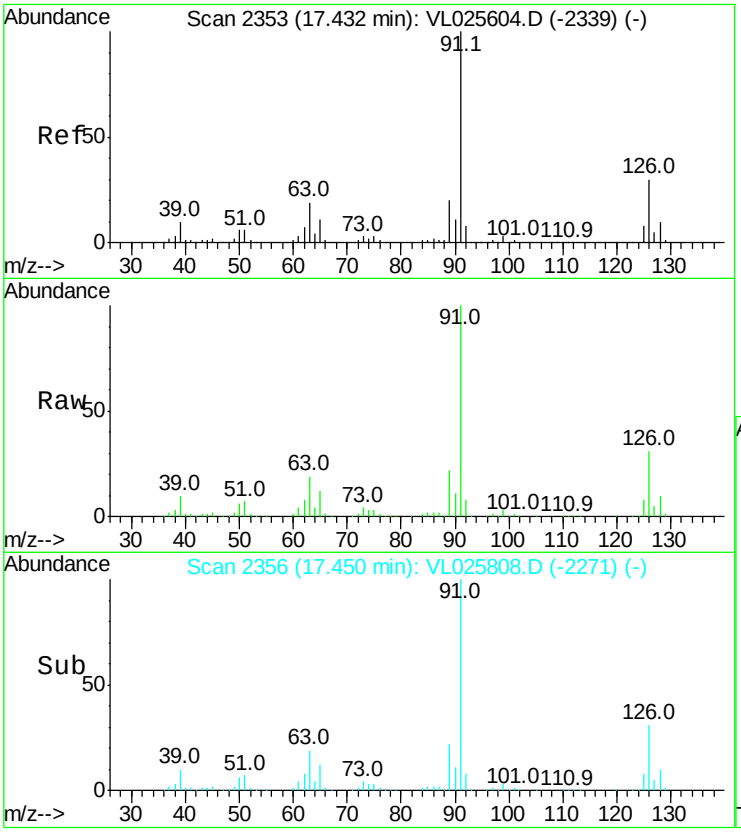


#70
n-Butylbenzene
Concen: 7.48 ppbv
RT: 20.78 min Scan# 2902
Delta R.T. 0.02 min
Lab File: VL025808.D
Acq: 31 Jul 2015 11:21

Tgt Ion: 91 Resp: 4524682

Ion	Ratio	Lower	Upper
91	100		
92	54.6	44.3	66.5
134	24.2	19.4	29.2



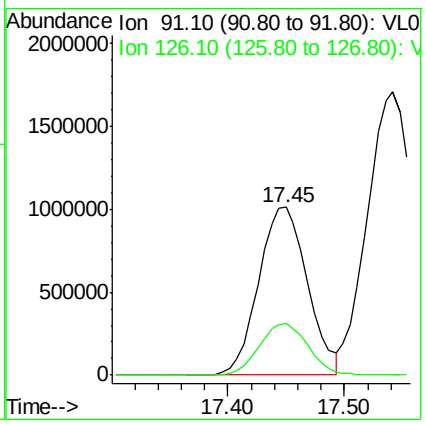


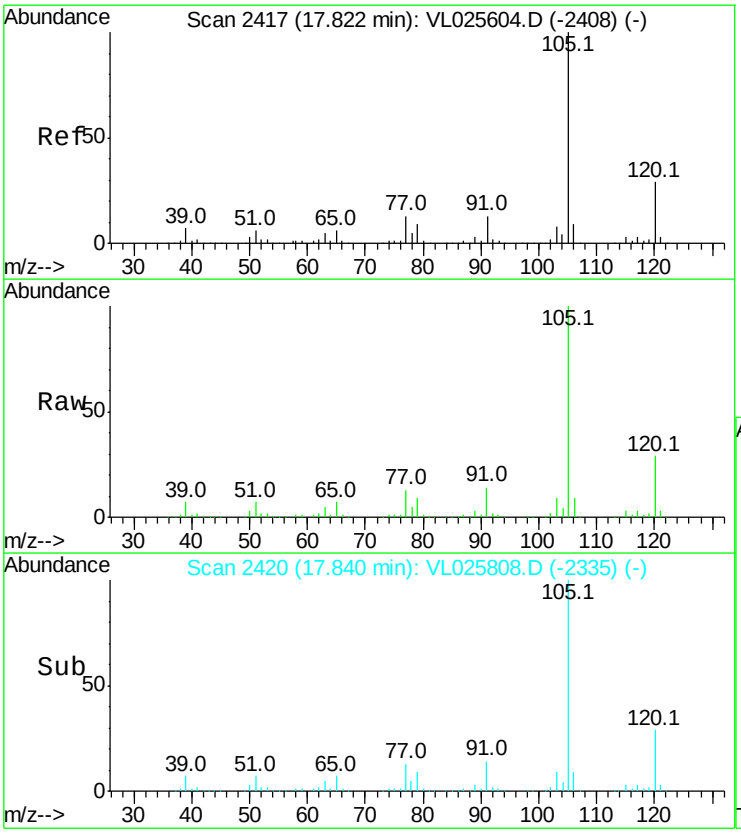
#71
2-Chlorotoluene
Concen: 7.63 ppbv
RT: 17.45 min Scan# 2356
Delta R.T. 0.02 min
Lab File: VL025808.D
Acq: 31 Jul 2015 11:21

Instrument : MSVOA_L
ClientSampleId : VL0731ABS01

Tgt Ion: 91 Resp: 2944645

Ion	Ratio	Lower	Upper
91	100		
126	30.7	12.2	49.0

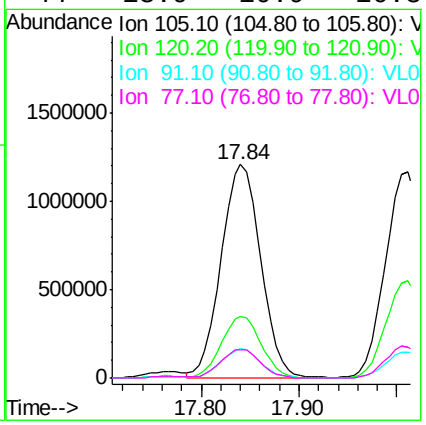


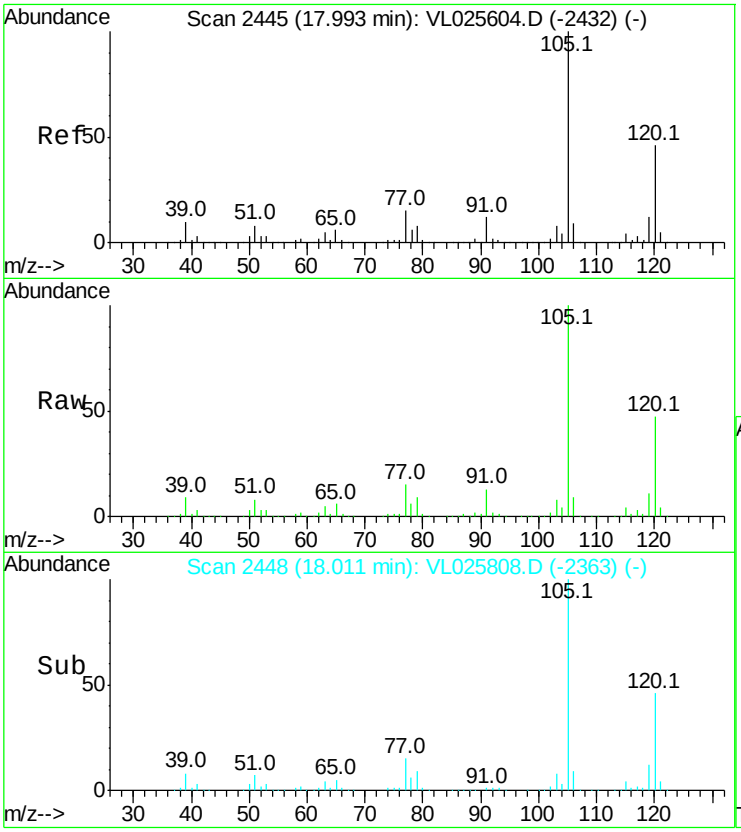


#72
4-Ethyltoluene
Concen: 7.63 ppbv
RT: 17.84 min Scan# 2420
Delta R.T. 0.02 min
Lab File: VL025808.D
Acq: 31 Jul 2015 11:21

Tgt Ion:105 Resp: 3396982

Ion	Ratio	Lower	Upper
105	100		
120	29.9	23.9	35.9
91	13.6	10.3	15.5
77	13.9	10.9	16.3



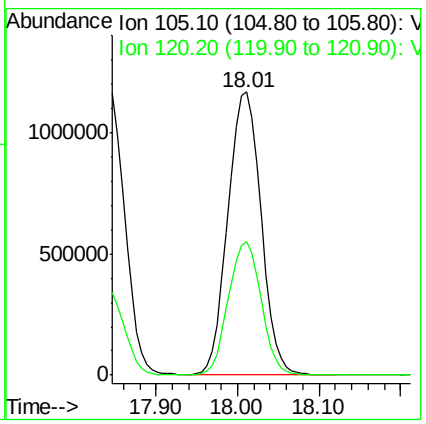


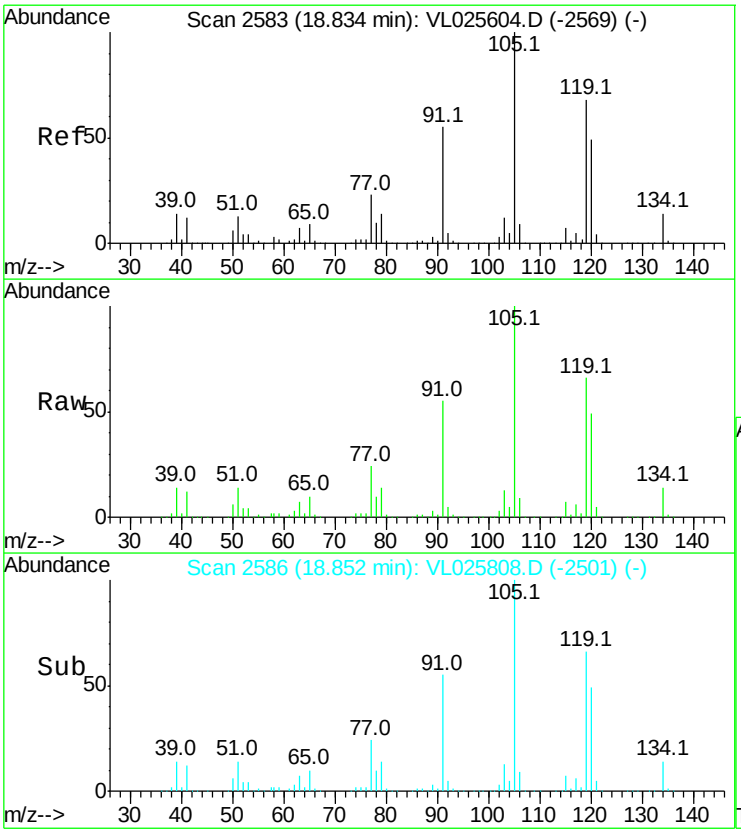
#73
1,3,5-Trimethylbenzene
Concen: 7.50 ppbv
RT: 18.01 min Scan# 2448
Delta R.T. 0.02 min
Lab File: VL025808.D
Acq: 31 Jul 2015 11:21

Instrument : MSVOA_L
ClientSampleId : VL0731ABS01

Tgt Ion:105 Resp: 3282217

Ion	Ratio	Lower	Upper
105	100		
120	47.1	37.0	55.4

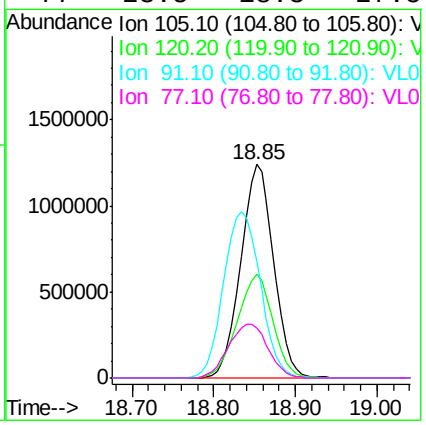


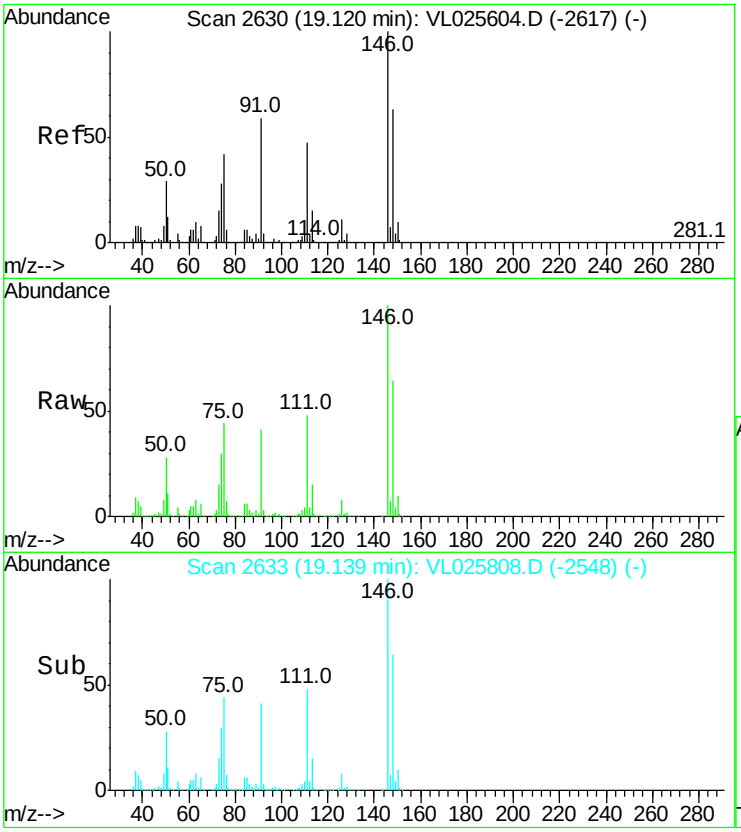


#74
1,2,4-Trimethylbenzene
Concen: 7.12 ppbv
RT: 18.85 min Scan# 2586
Delta R.T. 0.02 min
Lab File: VL025808.D
Acq: 31 Jul 2015 11:21

Tgt Ion:105 Resp: 3486603

Ion	Ratio	Lower	Upper
105	100		
120	48.8	39.3	58.9
91	54.5	43.8	65.6
77	23.5	18.3	27.5



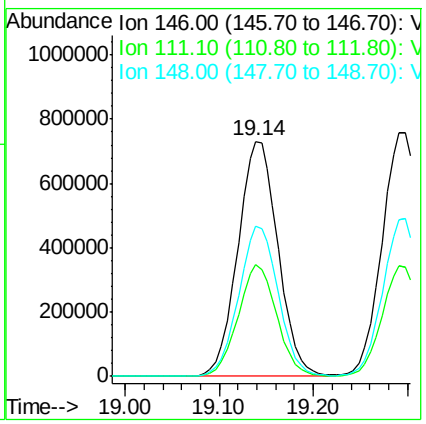


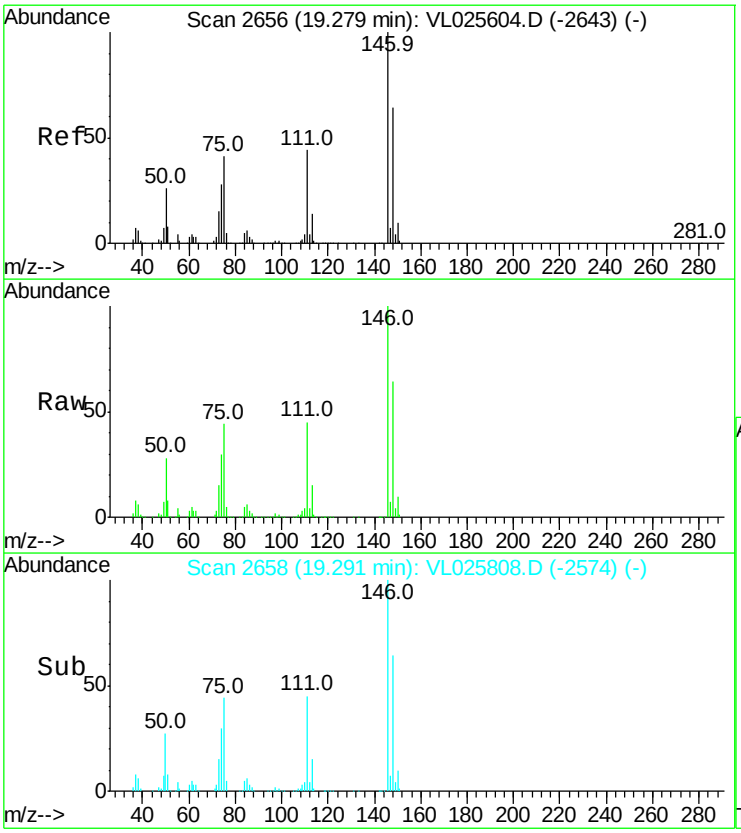
#75
1,3-Dichlorobenzene
Concen: 6.83 ppbv
RT: 19.14 min Scan# 2633
Delta R.T. 0.02 min
Lab File: VL025808.D
Acq: 31 Jul 2015 11:21

Instrument :
MSVOA_L
ClientSampleId :
VL0731ABS01

Tgt Ion:146 Resp: 2178403

Ion	Ratio	Lower	Upper
146	100		
111	46.0	22.7	68.1
148	63.2	31.8	95.3

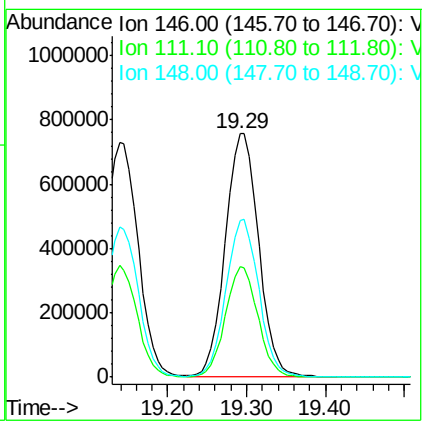


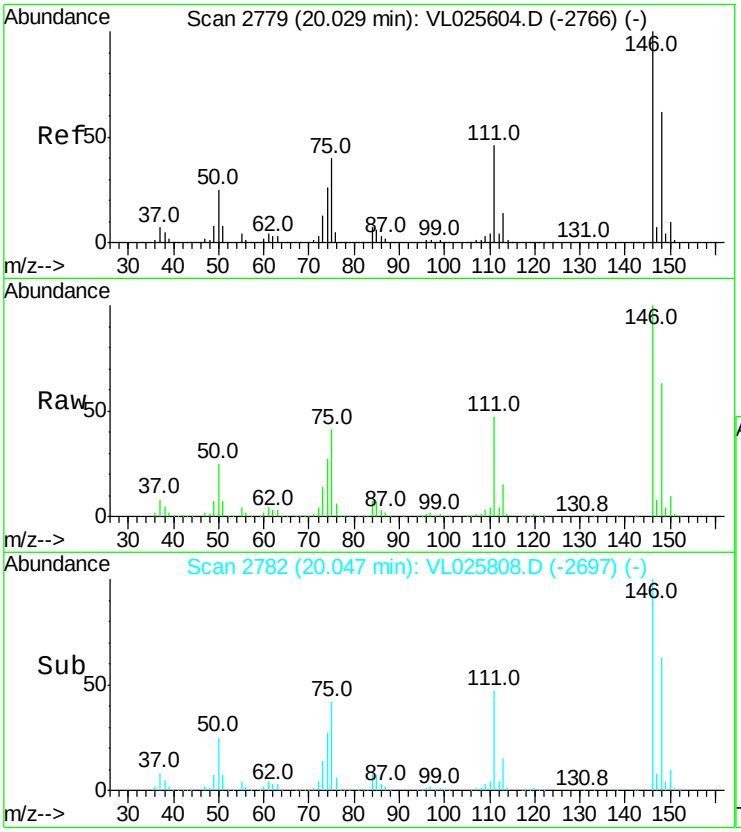


#76
1,4-Dichlorobenzene
Concen: 6.96 ppbv
RT: 19.29 min Scan# 2658
Delta R.T. 0.01 min
Lab File: VL025808.D
Acq: 31 Jul 2015 11:21

Tgt Ion:146 Resp: 2225395

Ion	Ratio	Lower	Upper
146	100		
111	44.6	22.1	66.1
148	64.3	31.9	95.9



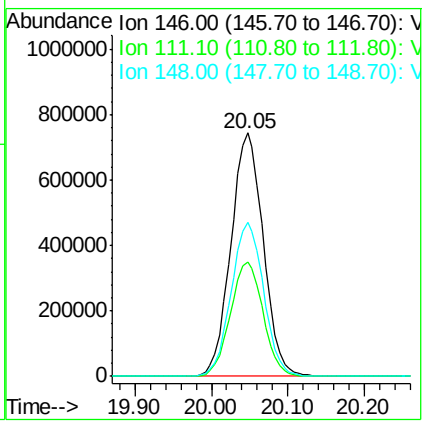


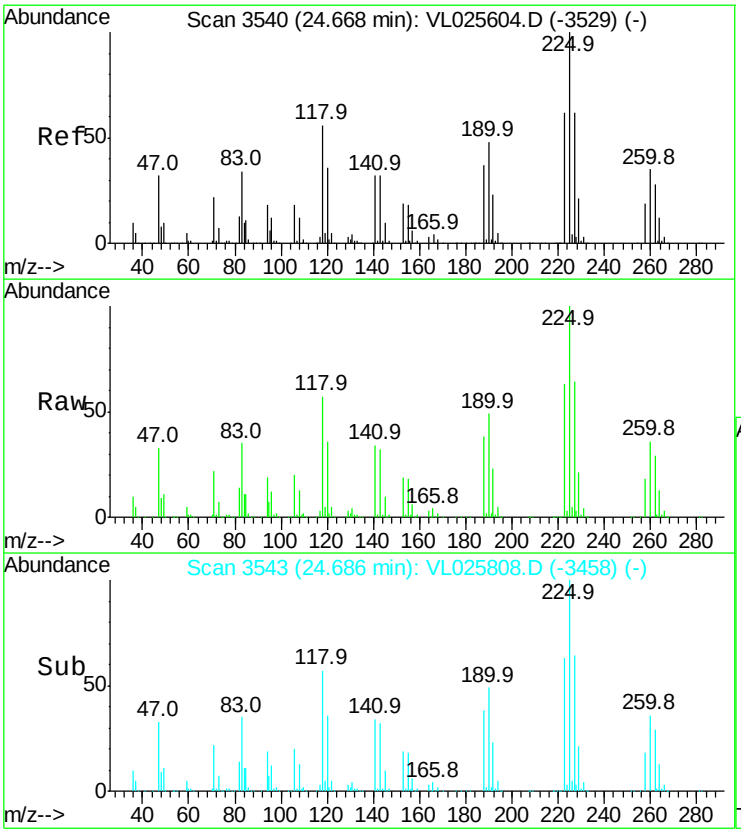
#77
1,2-Dichlorobenzene
Concen: 6.90 ppbv
RT: 20.05 min Scan# 2782
Delta R.T. 0.02 min
Lab File: VL025808.D
Acq: 31 Jul 2015 11:21

Instrument :
MSVOA_L
ClientSampleId :
VL0731ABS01

Tgt Ion:146 Resp: 2184445

Ion	Ratio	Lower	Upper
146	100		
111	47.3	23.4	70.3
148	63.5	31.6	94.8

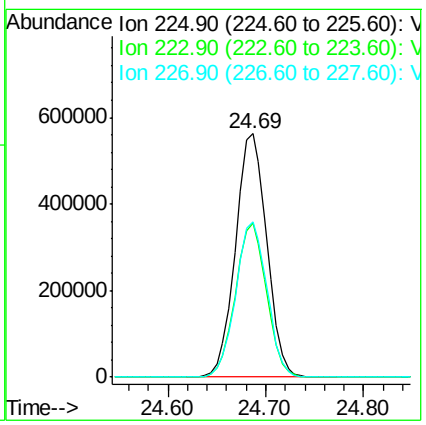


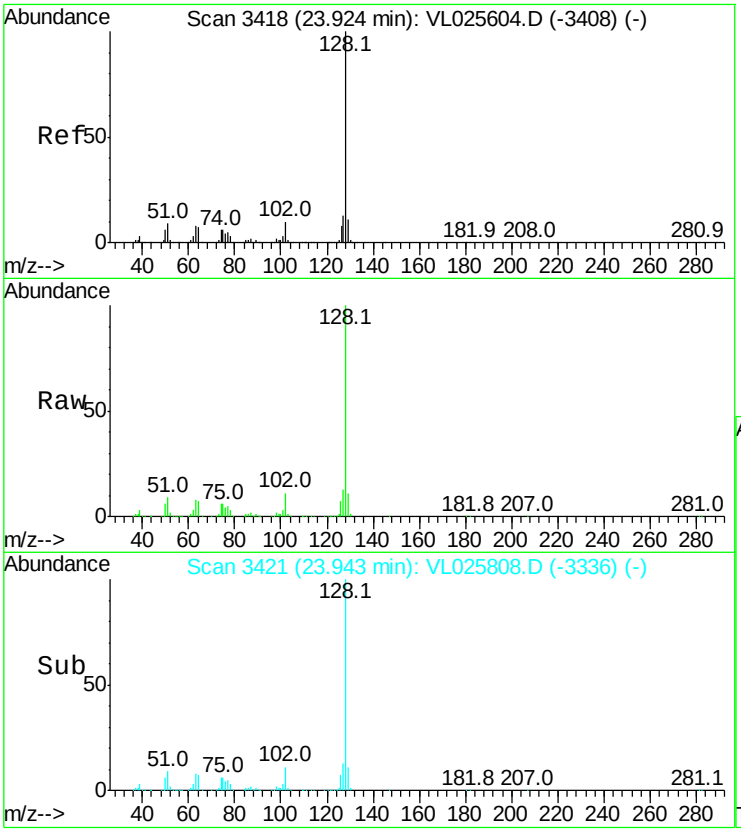


#78
Hexachloro-1,3-Butadiene
Concen: 6.40 ppbv
RT: 24.69 min Scan# 3543
Delta R.T. 0.02 min
Lab File: VL025808.D
Acq: 31 Jul 2015 11:21

Tgt Ion:225 Resp: 1246130

Ion	Ratio	Lower	Upper
225	100		
223	62.8	50.6	76.0
227	63.8	50.5	75.7



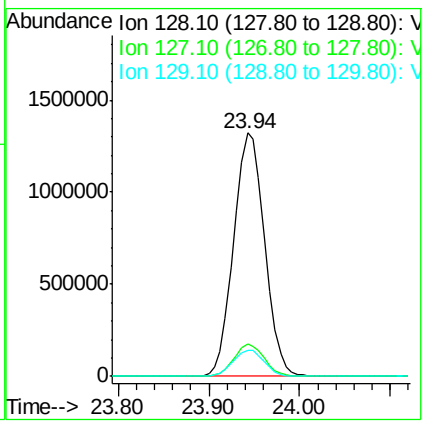


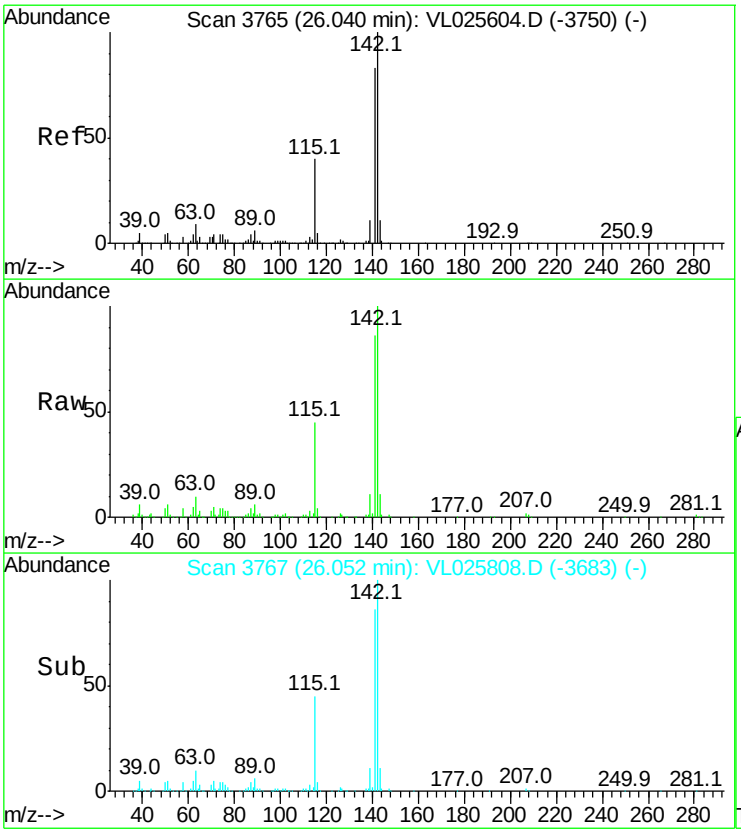
#79
Naphthalene
Concen: 6.62 ppbv
RT: 23.94 min Scan# 3421
Delta R.T. 0.02 min
Lab File: VL025808.D
Acq: 31 Jul 2015 11:21

Instrument : MSVOA_L
ClientSampleId : VL0731ABS01

Tgt Ion:128 Resp: 3132682

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

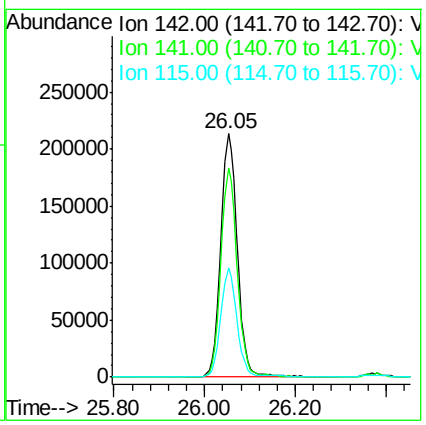


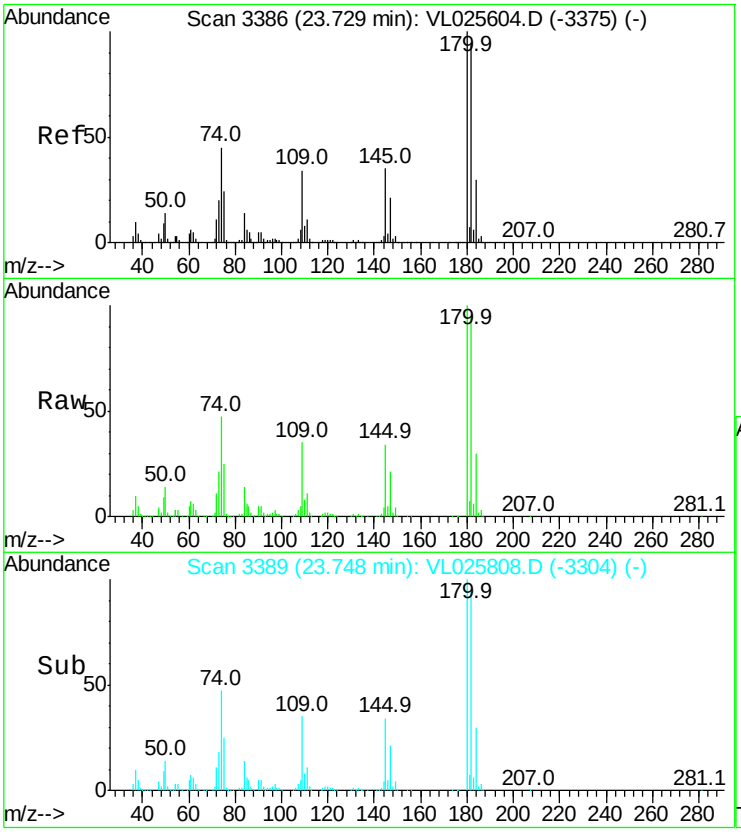


#80
Naphthalene,2-methyl-
Concen: 3.98 ppbv
RT: 26.05 min Scan# 3767
Delta R.T. 0.01 min
Lab File: VL025808.D
Acq: 31 Jul 2015 11:21

Tgt Ion:142 Resp: 546978

Ion	Ratio	Lower	Upper
142	100		
141	84.2	67.1	100.7
115	44.7	33.9	50.9





#81
1,2,4-Trichlorobenzene
Concen: 7.22 ppbv
RT: 23.75 min Scan# 3389
Delta R.T. 0.02 min
Lab File: VL025808.D
Acq: 31 Jul 2015 11:21

Instrument :
MSVOA_L
ClientSampleId :
VL0731ABS01

Tgt Ion:180 Resp: 1637344

Ion	Ratio	Lower	Upper
180	100		
182	95.8	76.1	114.1
184	30.3	24.4	36.6