Quantitation Report (Not Reviewed)

Data Path : W:\HPCHEM1\MSVOA_L\Data\VL073115\
Data File : VL025809.D
Acq On : 31 Jul 2015 12:00
Operator : SY/MD
Sample : VL0731ABS02
Misc : 400mL/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_L
ClientSampleId : VL0731ABS02

Quant Time: Jul 31 12:39:06 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	623410	10.00	ppbv		0.02
33) 1,4-Difluorobenzene	8.35	114	1706988	10.00	ppbv		0.02
55) Chlorobenzene-d5	13.77	117	2682271	10.00	ppbv		0.02
System Monitoring Compounds							
68) 1-Bromo-4-Fluorobenzene	16.32	95	1877314	8.30	ppbv		0.02
Spiked Amount 10.000	Range 65 - 135		Recovery = 83.00%				
Target Compounds							Qvalue
2) Dichlorodifluoromethane	3.65	85	1690779	10.47	ppbv		99
3) Chlorodifluoromethane	3.58	51	766248	8.72	ppbv		99
4) Chloromethane	3.76	50	340561	8.50	ppbv		100
5) Vinyl Chloride	3.90	62	396662	9.17	ppbv		99
6) Bromomethane	4.15	94	313964	8.94	ppbv		97
7) Chloroethane	4.25	64	179121	8.89	ppbv		94
8) Dichlorotetrafluoroethane	3.82	85	1245217	8.79	ppbv		99
9) Propene	3.61	41	250555	8.58	ppbv		98
10) Heptane	9.37	43	1035134	9.11	ppbv		96
11) Trichlorofluoromethane	4.71	101	1884679	9.00	ppbv		99
12) 1,1,2-Trichlorotrifluoroet	5.32	101	1066530	8.88	ppbv		100
13) Ethanol	4.35	45	45270	9.98	ppbv		99
14) Bromoethene	4.46	108	365576	9.28	ppbv		98
15) Acetone	4.61	43	907079	8.24	ppbv		99
16) 1,3-Butadiene	3.98	39	390780	8.91	ppbv		98
17) tert-Butyl alcohol	5.14	59	867212	9.38	ppbv		100
18) 1,1-Dichloroethene	5.10	96	418908	9.11	ppbv		98
19) Isopropyl Alcohol	4.76	45	434717	9.89	ppbv	#	99
20) Methylene Chloride	5.17	84	383013	8.56	ppbv		96
21) Allyl Chloride	5.24	41	607874	8.82	ppbv		97
22) trans-1,2-Dichloroethene	5.78	96	420949	8.96	ppbv		97
23) Vinyl Acetate	6.00	43	1551675	9.30	ppbv		100
24) 1,1-Dichloroethane	5.93	63	976198	8.73	ppbv		99
25) Ethyl Acetate	6.68	43	1508120	9.05	ppbv		100
26) Hexane	6.68	57	696077	8.87	ppbv		98
27) Carbon Disulfide	5.40	76	1200104	9.44	ppbv		100
28) Methyl tert-Butyl Ether	5.97	73	1466061	9.40	ppbv		99
29) Chloroform	6.77	83	1357951	8.76	ppbv		99
30) Cyclohexane	8.30	84	692968	9.24	ppbv		99
31) cis-1,2-Dichloroethene	6.54	61	744169	9.54	ppbv		99
32) 1,1,1-Trichloroethane	7.62	97	1537058	9.13	ppbv		100
34) 2-Butanone	6.21	43	896234	9.25	ppbv		100
35) Carbon Tetrachloride	8.18	117	1641977	9.03	ppbv		98
36) Benzene	8.04	78	1521930	9.31	ppbv		100
37) 1,2-Dichloroethane	7.39	62	1254639	8.99	ppbv		100
38) Trichloroethene	9.09	130	705745	9.28	ppbv		96
39) 1,2-Dichloropropane	8.85	63	528660	8.76	ppbv		97
40) 1,4-Dioxane	9.13	88	144612	15.27	ppbv		85
41) Tetrahydrofuran	7.13	42	464836	9.61	ppbv		99
42) Bromodichloromethane	9.04	83	1584395	9.41	ppbv		100
43) Methyl Methacrylate	9.29	69	635378	10.13	ppbv		99

Quantitation Report (Not Reviewed)

Data Path : W:\HPCHEM1\MSVOA_L\Data\VL073115\
Data File : VL025809.D
Acq On : 31 Jul 2015 12:00
Operator : SY/MD
Sample : VL0731ABS02
Misc : 400mL/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_L
ClientSampleId : VL0731ABS02

Quant Time: Jul 31 12:39:06 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	2590088	9.24	ppbv		99
45) t-1,3-Dichloropropene	10.67	75	1096302	10.39	ppbv		99
46) cis-1,3-Dichloropropene	10.04	75	1193386	10.23	ppbv		100
47) 1,1,2-Trichloroethane	10.90	97	752078	8.95	ppbv		98
48) Dibromochloromethane	11.82	129	1411959	9.39	ppbv		99
49) Bromoform	14.84	173	1152668	9.30	ppbv		98
50) 4-Methyl-2-Pentanone	10.11	43	1370436	9.82	ppbv		100
51) 2-Hexanone	11.63	43	1295783	10.35	ppbv	#	100
52) Tetrachloroethene	12.82	164	765764	9.34	ppbv		99
53) Toluene	11.26	91	2209683	9.62	ppbv		100
54) 1,2-Dibromoethane	12.16	107	1238545	9.11	ppbv		99
56) 1,1,1,2-Tetrachloroethane	13.81	131	1046042	7.21	ppbv		99
57) Chlorobenzene	13.83	112	1984267	6.95	ppbv		99
58) Ethyl Benzene	14.44	91	3459197	7.81	ppbv		99
59) m/p-Xylene	14.74	91	2731289	7.02	ppbv	#	26
60) o-Xylene	15.52	91	3069008	7.32	ppbv		99
61) Styrene	15.33	104	1286191	8.76	ppbv		99
62) Isopropylbenzene	16.57	105	4024765	7.34	ppbv		100
63) 1,1,2,2-Tetrachloroethane	15.51	83	1918809	6.77	ppbv		100
64) n-propylbenzene	17.55	120	1067736	7.21	ppbv		97
65) tert-Butylbenzene	18.84	119	3759720	6.99	ppbv		99
66) Benzyl Chloride	19.13	91	1423689	7.21	ppbv		100
67) sec-Butylbenzene	19.44	105	5315574	7.05	ppbv		100
69) p-Isopropyltoluene	19.82	119	4376234	7.04	ppbv		99
70) n-Butylbenzene	20.78	91	4286652	6.80	ppbv		99
71) 2-Chlorotoluene	17.45	91	3072668	7.64	ppbv		99
72) 4-Ethyltoluene	17.85	105	3470482	7.49	ppbv		99
73) 1,3,5-Trimethylbenzene	18.01	105	3340046	7.33	ppbv		99
74) 1,2,4-Trimethylbenzene	18.86	105	3500099	6.86	ppbv		96
75) 1,3-Dichlorobenzene	19.14	146	2167042	6.52	ppbv		99
76) 1,4-Dichlorobenzene	19.30	146	2220530	6.67	ppbv		100
77) 1,2-Dichlorobenzene	20.05	146	2181953	6.62	ppbv		100
78) Hexachloro-1,3-Butadiene	24.69	225	1047102	5.16	ppbv		100
79) Naphthalene	23.95	128	2662375	5.40	ppbv		99
80) Naphthalene,2-methyl-	26.06	142	664964	4.64	ppbv		99
81) 1,2,4-Trichlorobenzene	23.75	180	1263644	5.35	ppbv		99

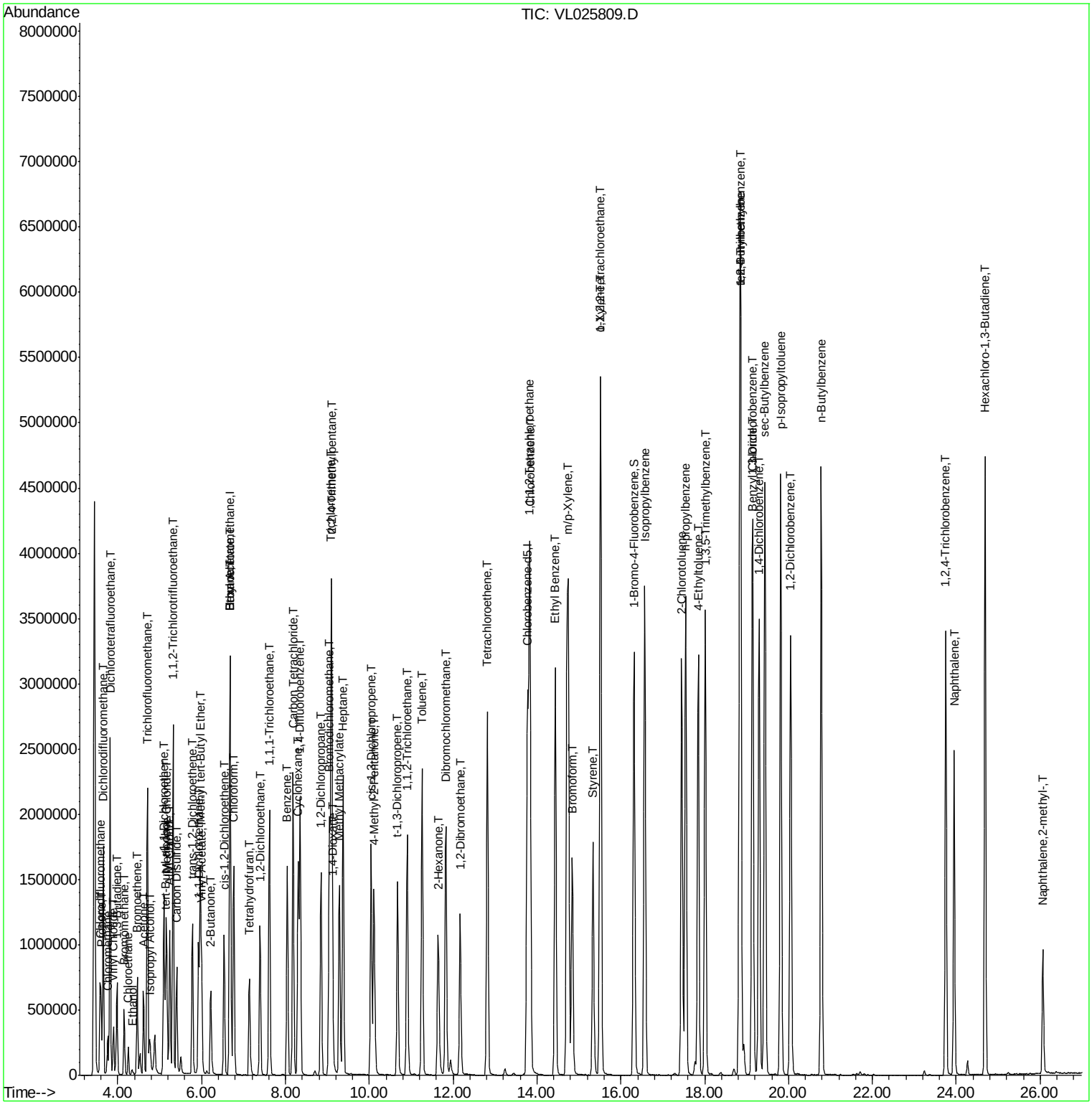
(#) = qualifier out of range (m) = manual integration (+) = signals summed

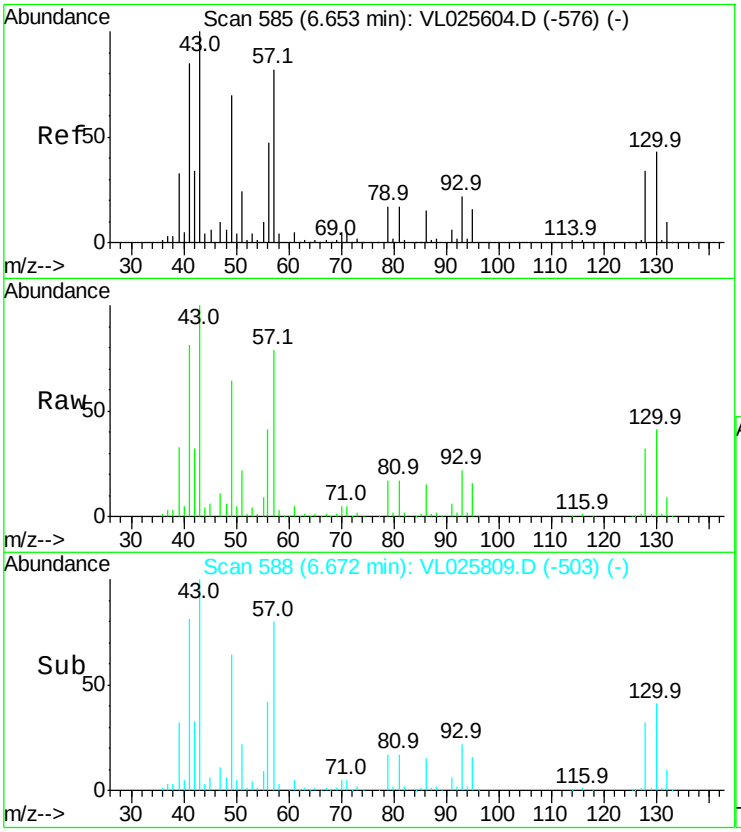
Quantitation Report (Not Reviewed)

Data Path : W:\HPCHEM1\MSVOA_L\Data\VL073115\
Data File : VL025809.D
Acq On : 31 Jul 2015 12:00
Operator : SY/MD
Sample : VL0731ABS02
Misc : 400mL/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_L
ClientSampleId : VL0731ABS02

Quant Time: Jul 31 12:39:06 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



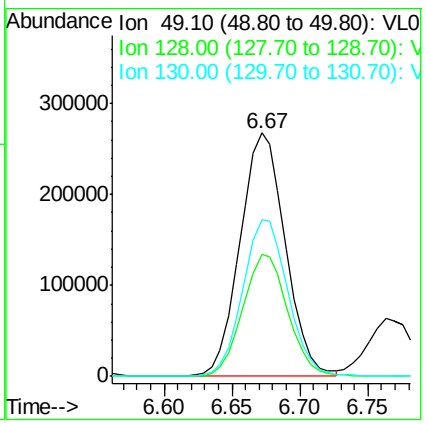


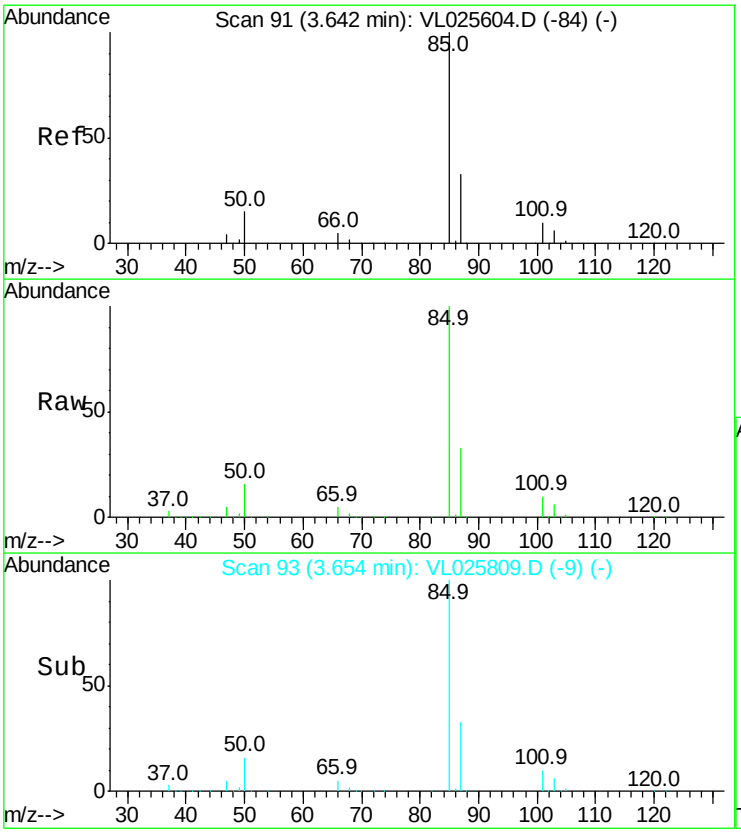
#1
Bromochloromethane
Concen: 10.00 ppbv
RT: 6.67 min Scan# 588
Delta R.T. 0.02 min
Lab File: VL025809.D
Acq: 31 Jul 2015 12:00

Instrument : MSVOA_L
ClientSampleId : VL0731ABS02

Tgt Ion: 49 Resp: 623410

Ion	Ratio	Lower	Upper
49	100		
128	50.3	25.4	76.0
130	64.6	31.9	95.9

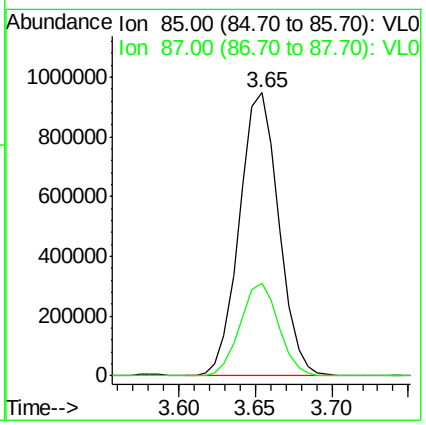


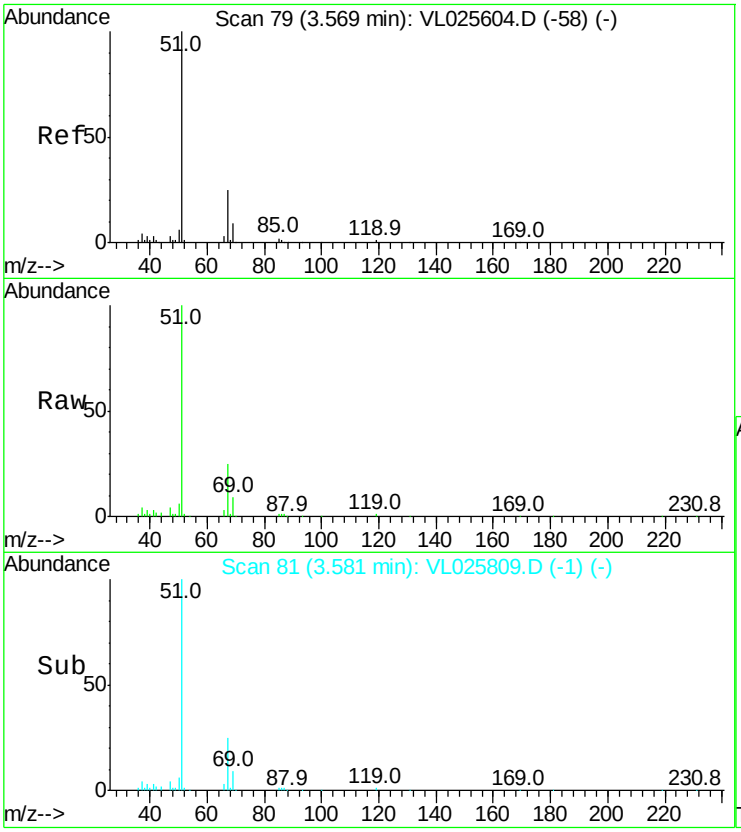


#2
Dichlorodifluoromethane
Concen: 10.47 ppbv
RT: 3.65 min Scan# 93
Delta R.T. 0.01 min
Lab File: VL025809.D
Acq: 31 Jul 2015 12:00

Tgt Ion: 85 Resp: 1690779

Ion	Ratio	Lower	Upper
85	100		
87	32.6	26.5	39.7

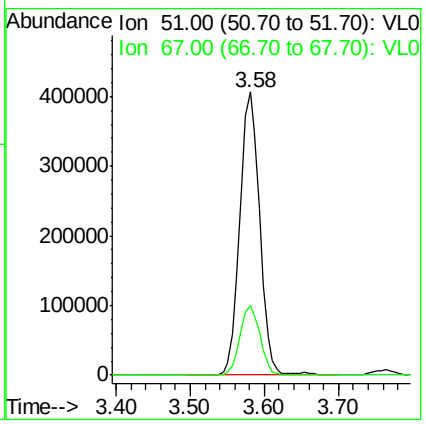




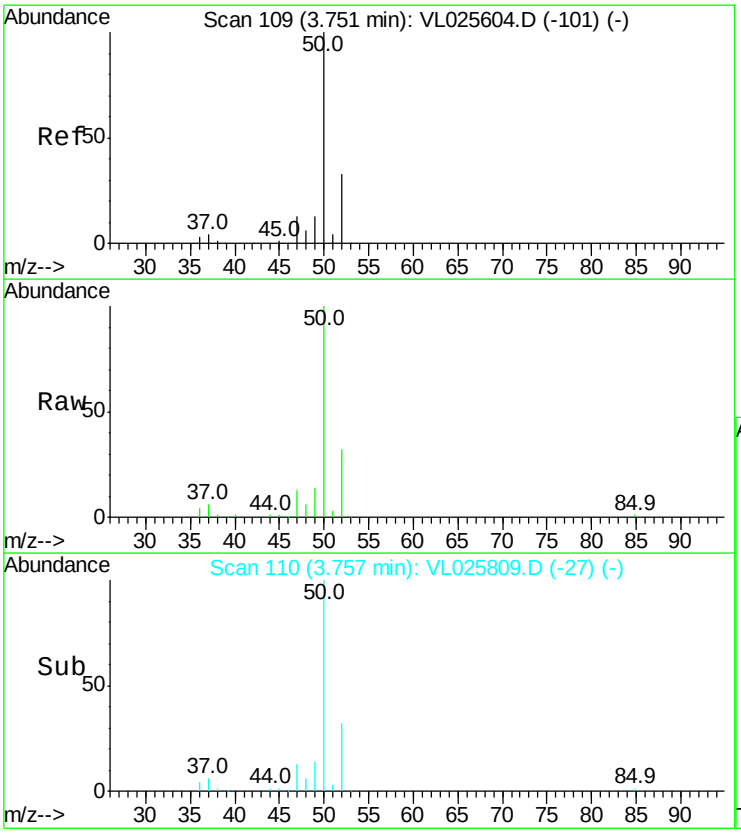
#3
Chlorodifluoromethane
Concen: 8.72 ppbv
RT: 3.58 min Scan# 81
Delta R.T. 0.01 min
Lab File: VL025809.D
Acq: 31 Jul 2015 12:00

Tgt Ion: 51 Resp: 766248

Ion	Ratio	Lower	Upper
51	100		
67	24.9	19.5	29.3



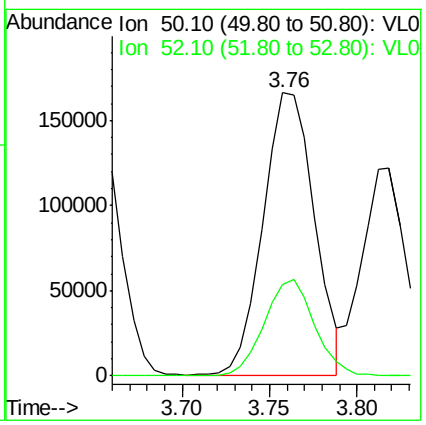
Instrument :
MSVOA_L
ClientSampleId :
VL0731ABS02

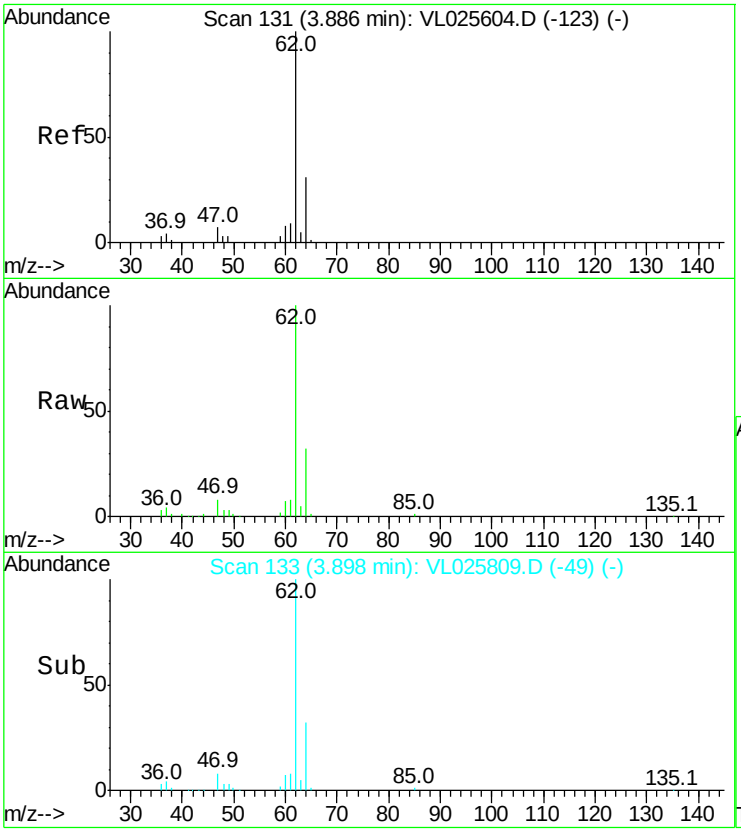


#4
Chloromethane
Concen: 8.50 ppbv
RT: 3.76 min Scan# 110
Delta R.T. 0.01 min
Lab File: VL025809.D
Acq: 31 Jul 2015 12:00

Tgt Ion: 50 Resp: 340561

Ion	Ratio	Lower	Upper
50	100		
52	32.6	26.2	39.2



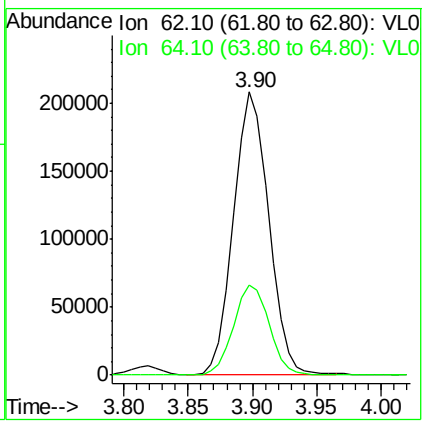


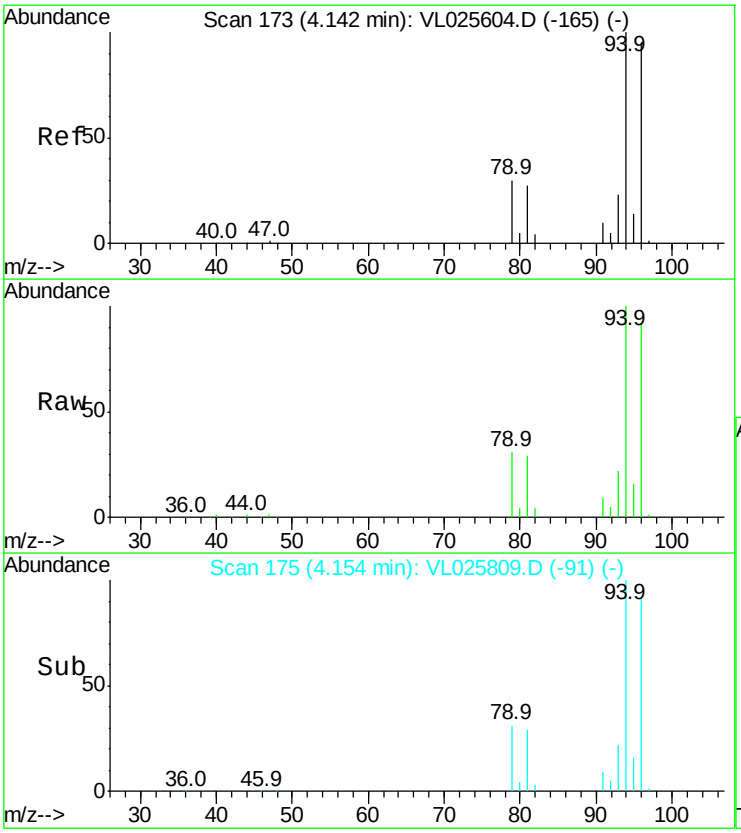
#5
Vinyl Chloride
Concen: 9.17 ppbv
RT: 3.90 min Scan# 133
Delta R.T. 0.01 min
Lab File: VL025809.D
Acq: 31 Jul 2015 12:00

Instrument :
MSVOA_L
ClientSampleId :
VL0731ABS02

Tgt Ion: 62 Resp: 396662

Ion	Ratio	Lower	Upper
62	100		
64	31.9	25.0	37.6

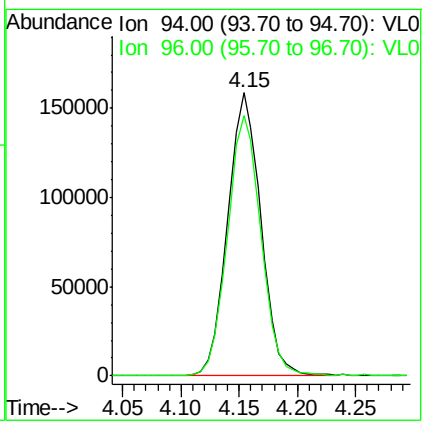


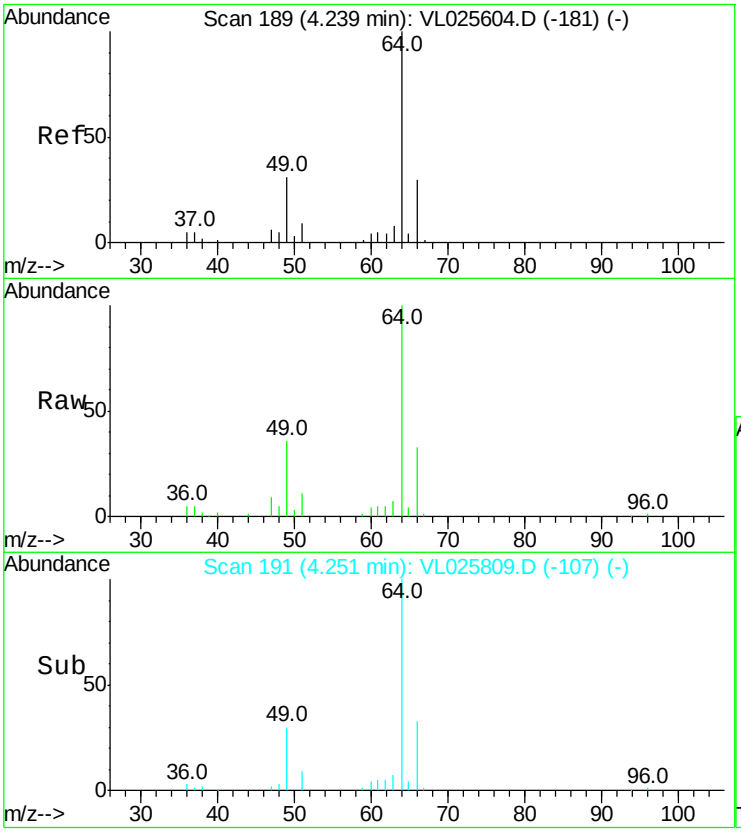


#6
Bromomethane
Concen: 8.94 ppbv
RT: 4.15 min Scan# 175
Delta R.T. 0.01 min
Lab File: VL025809.D
Acq: 31 Jul 2015 12:00

Tgt Ion: 94 Resp: 313964

Ion	Ratio	Lower	Upper
94	100		
96	91.9	75.9	113.9



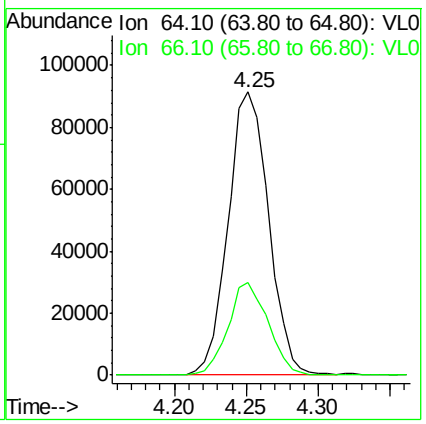


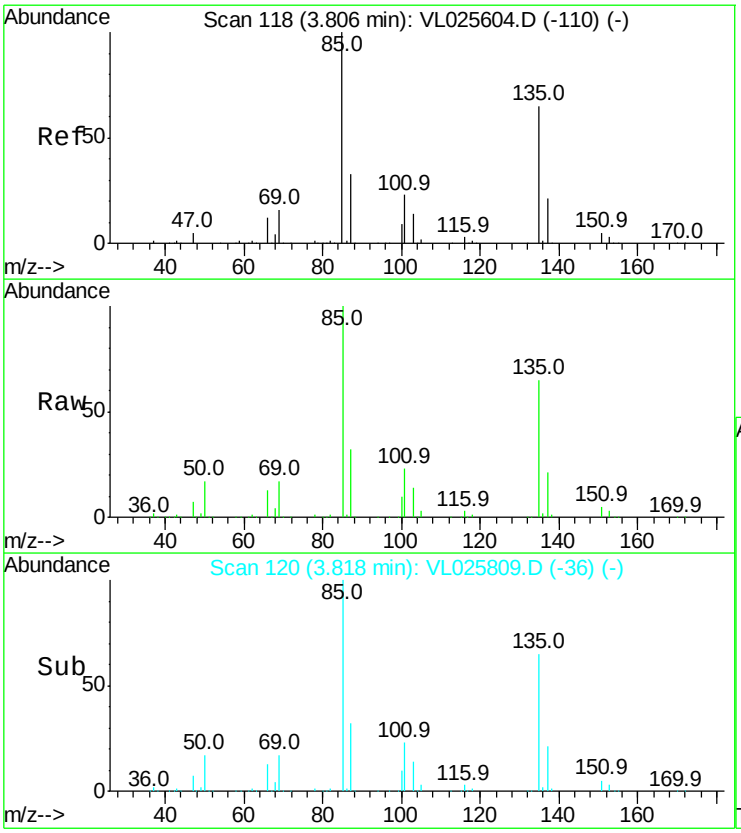
#7
Chloroethane
Concen: 8.89 ppbv
RT: 4.25 min Scan# 191
Delta R.T. 0.01 min
Lab File: VL025809.D
Acq: 31 Jul 2015 12:00

Instrument :
MSVOA_L
ClientSampleId :
VL0731ABS02

Tgt Ion: 64 Resp: 179121

Ion	Ratio	Lower	Upper
64	100		
66	33.2	23.8	35.8

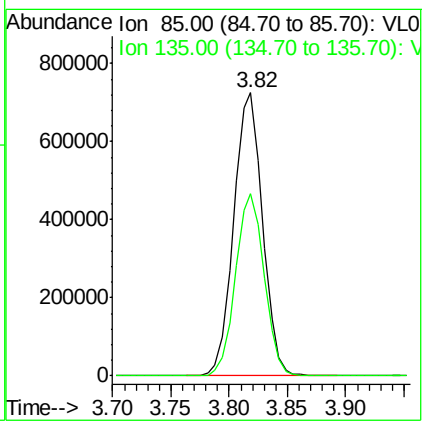


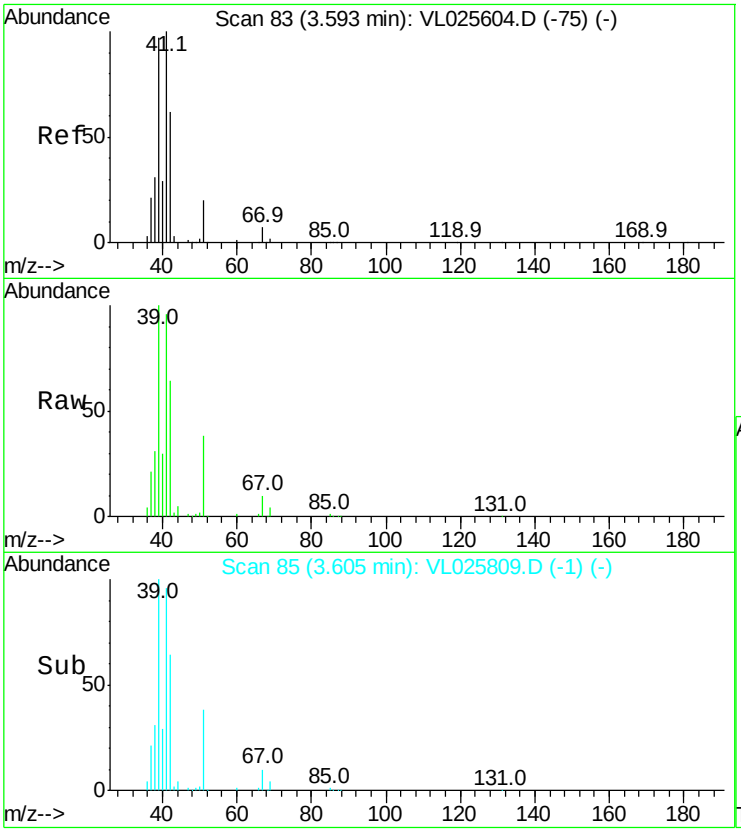


#8
Dichlorotetrafluoroethane
Concen: 8.79 ppbv
RT: 3.82 min Scan# 120
Delta R.T. 0.01 min
Lab File: VL025809.D
Acq: 31 Jul 2015 12:00

Tgt Ion: 85 Resp: 1245217

Ion	Ratio	Lower	Upper
85	100		
135	64.6	52.2	78.4



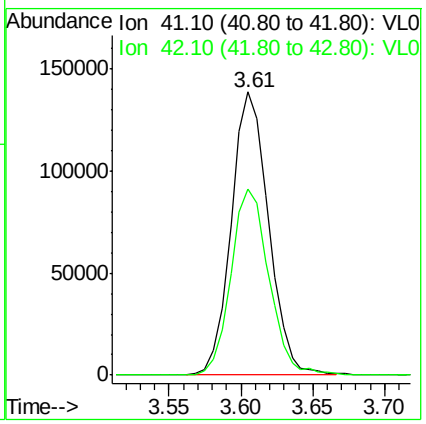


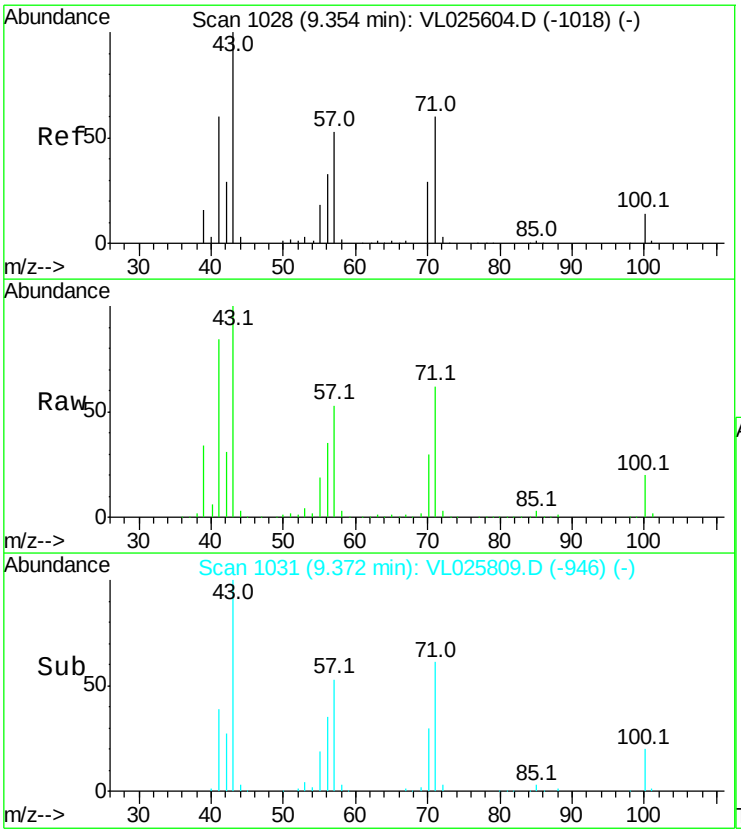
#9
Propene
Concen: 8.58 ppbv
RT: 3.61 min Scan# 85
Delta R.T. 0.01 min
Lab File: VL025809.D
Acq: 31 Jul 2015 12:00

Tgt Ion: 41 Resp: 250555

Ion	Ratio	Lower	Upper
41	100		
42	67.2	52.4	78.6

Instrument :
MSVOA_L
ClientSampleId :
VL0731ABS02

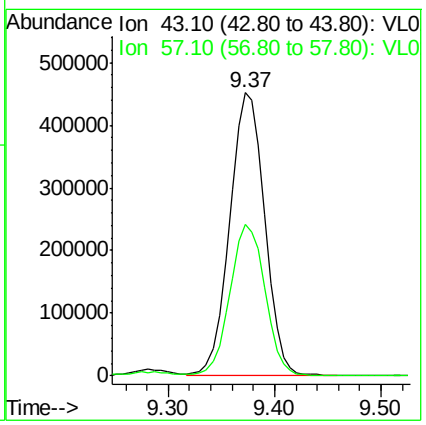


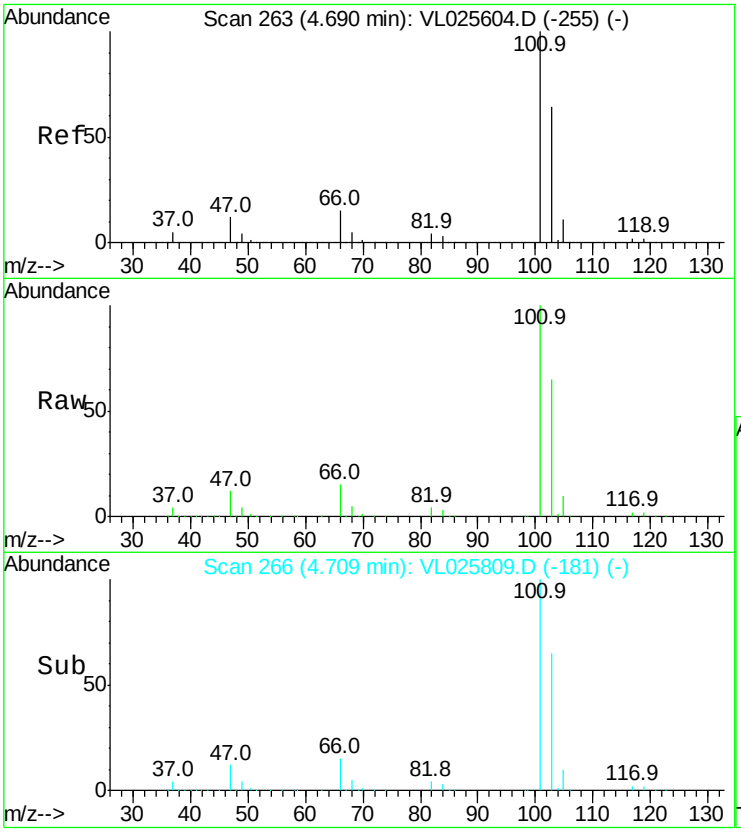


#10
Heptane
Concen: 9.11 ppbv
RT: 9.37 min Scan# 1031
Delta R.T. 0.02 min
Lab File: VL025809.D
Acq: 31 Jul 2015 12:00

Tgt Ion: 43 Resp: 1035134

Ion	Ratio	Lower	Upper
43	100		
57	55.9	42.6	64.0



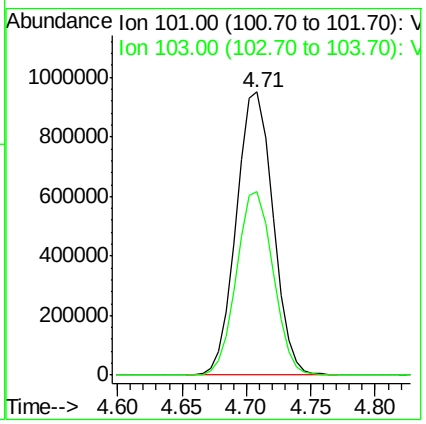


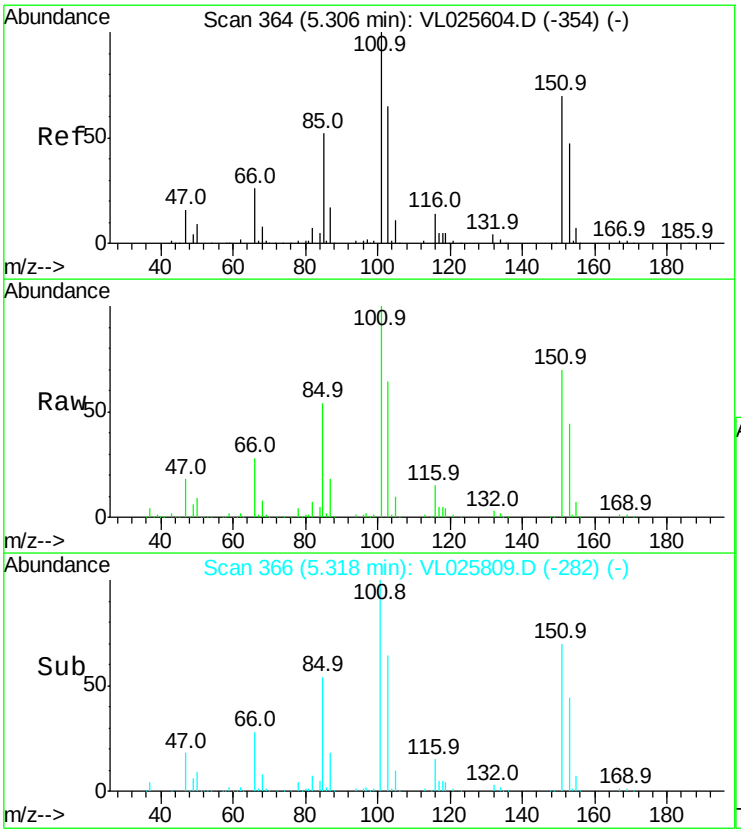
#11
Trichlorofluoromethane
Concen: 9.00 ppbv
RT: 4.71 min Scan# 266
Delta R.T. 0.02 min
Lab File: VL025809.D
Acq: 31 Jul 2015 12:00

Instrument :
MSVOA_L
ClientSampleId :
VL0731ABS02

Tgt Ion:101 Resp: 1884679

Ion	Ratio	Lower	Upper
101	100		
103	64.8	51.4	77.2

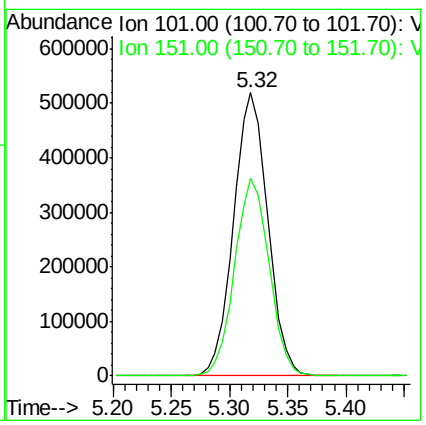


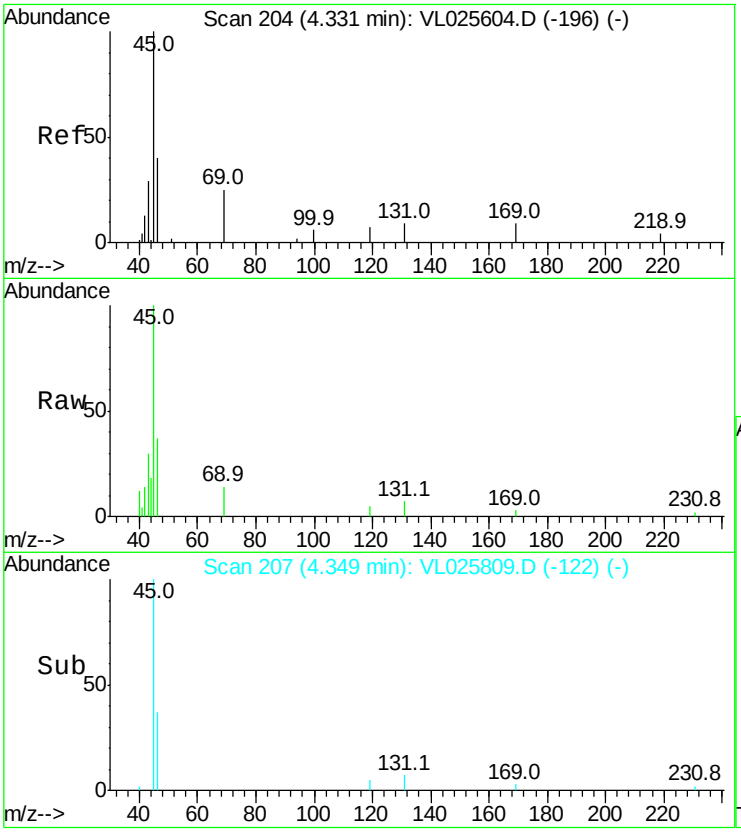


#12
1,1,2-Trichlorotrifluoroethane
Concen: 8.88 ppbv
RT: 5.32 min Scan# 366
Delta R.T. 0.01 min
Lab File: VL025809.D
Acq: 31 Jul 2015 12:00

Tgt Ion:101 Resp: 1066530

Ion	Ratio	Lower	Upper
101	100		
151	70.5	56.3	84.5



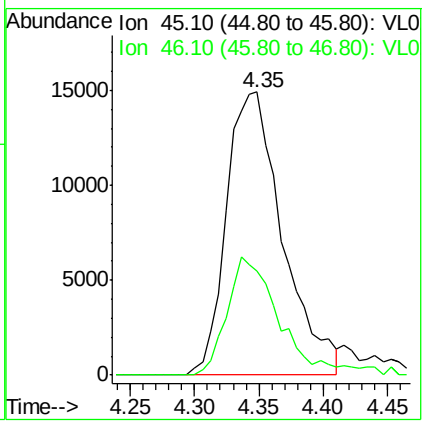


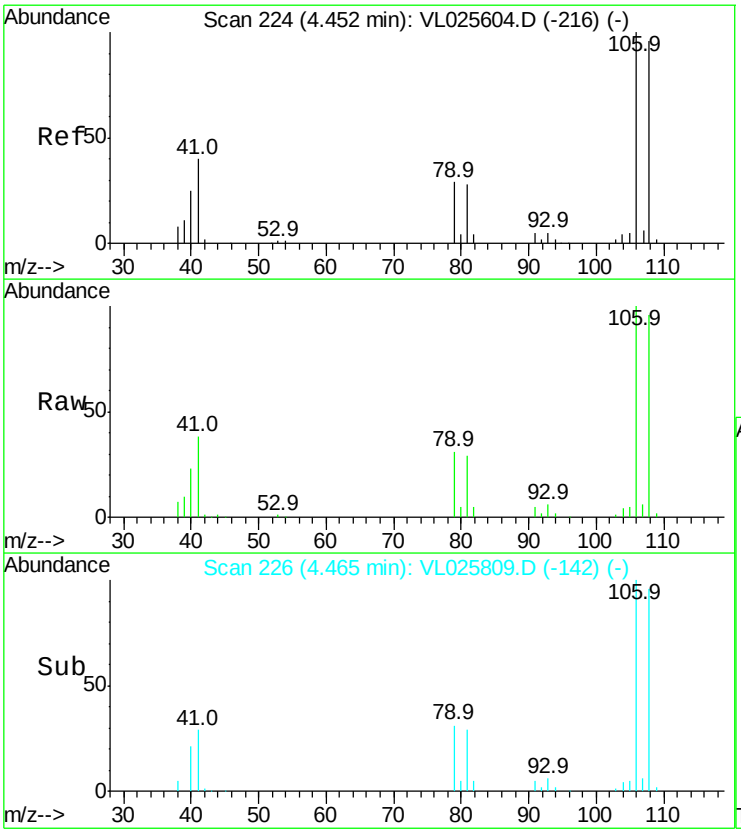
#13
Ethanol
Concen: 9.98 ppbv
RT: 4.35 min Scan# 207
Delta R.T. 0.02 min
Lab File: VL025809.D
Acq: 31 Jul 2015 12:00

Instrument :
MSVOA_L
ClientSampleId :
VL0731ABS02

Tgt Ion: 45 Resp: 45270

Ion	Ratio	Lower	Upper
45	100		
46	39.6	16.0	64.0

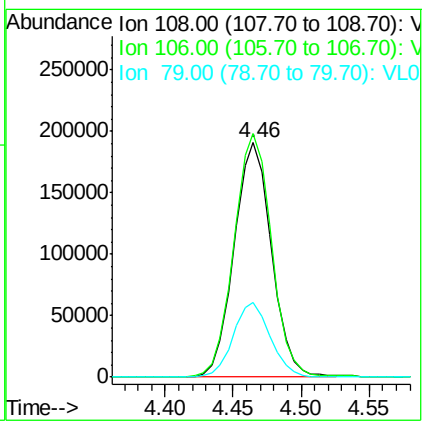


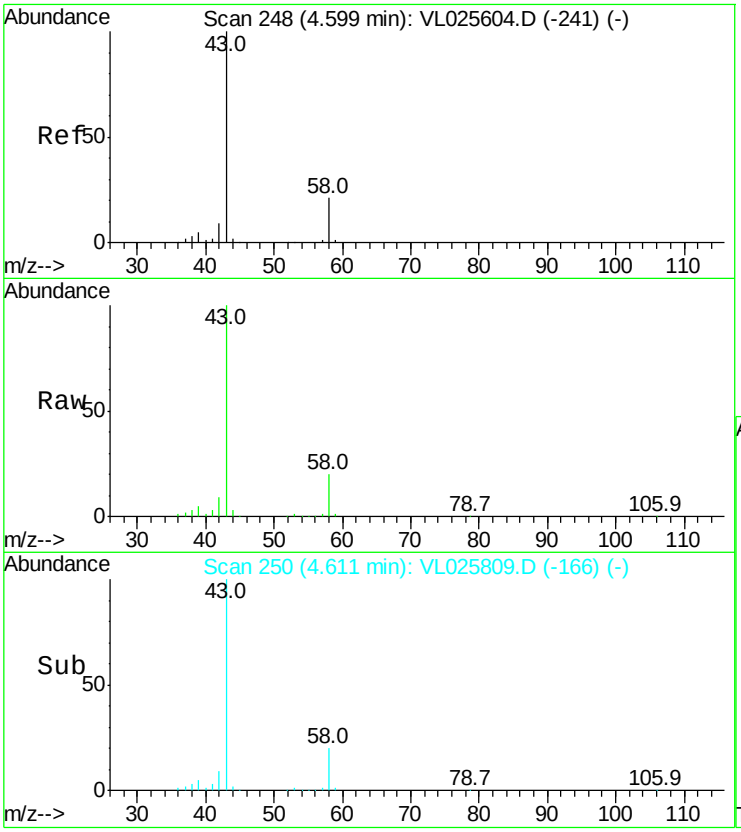


#14
Bromoethene
Concen: 9.28 ppbv
RT: 4.46 min Scan# 226
Delta R.T. 0.01 min
Lab File: VL025809.D
Acq: 31 Jul 2015 12:00

Tgt Ion:108 Resp: 365576

Ion	Ratio	Lower	Upper
108	100		
106	105.2	85.7	128.5
79	32.3	24.6	36.8



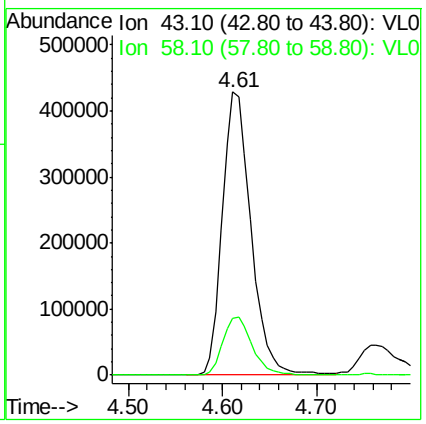


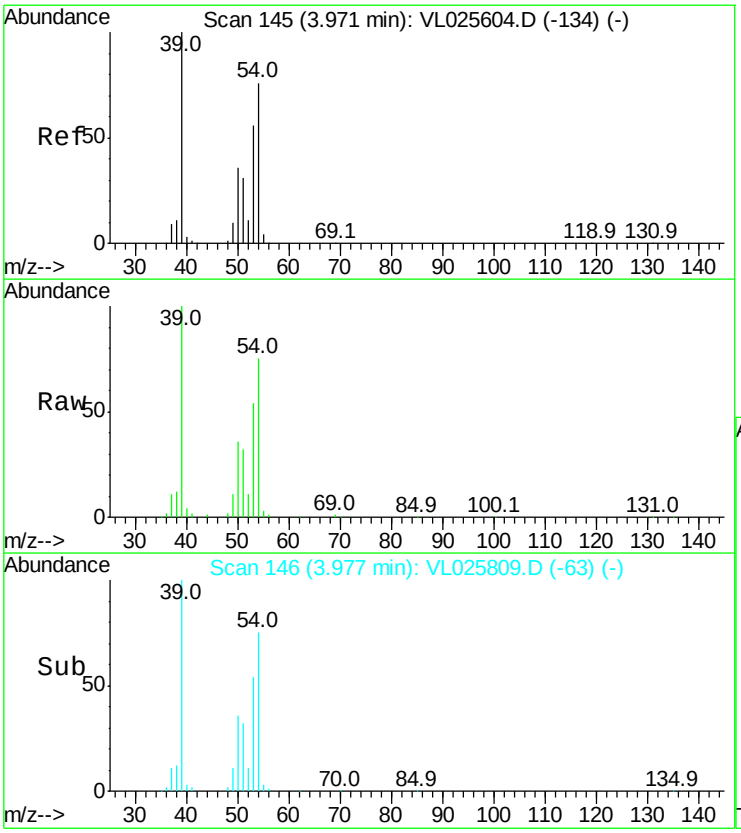
#15
Acetone
Concen: 8.24 ppbv
RT: 4.61 min Scan# 250
Delta R.T. 0.01 min
Lab File: VL025809.D
Acq: 31 Jul 2015 12:00

Instrument :
MSVOA_L
ClientSampleId :
VL0731ABS02

Tgt Ion: 43 Resp: 907079

Ion	Ratio	Lower	Upper
43	100		
58	21.2	17.2	25.8

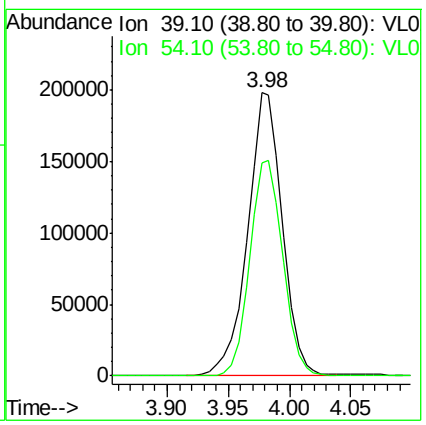


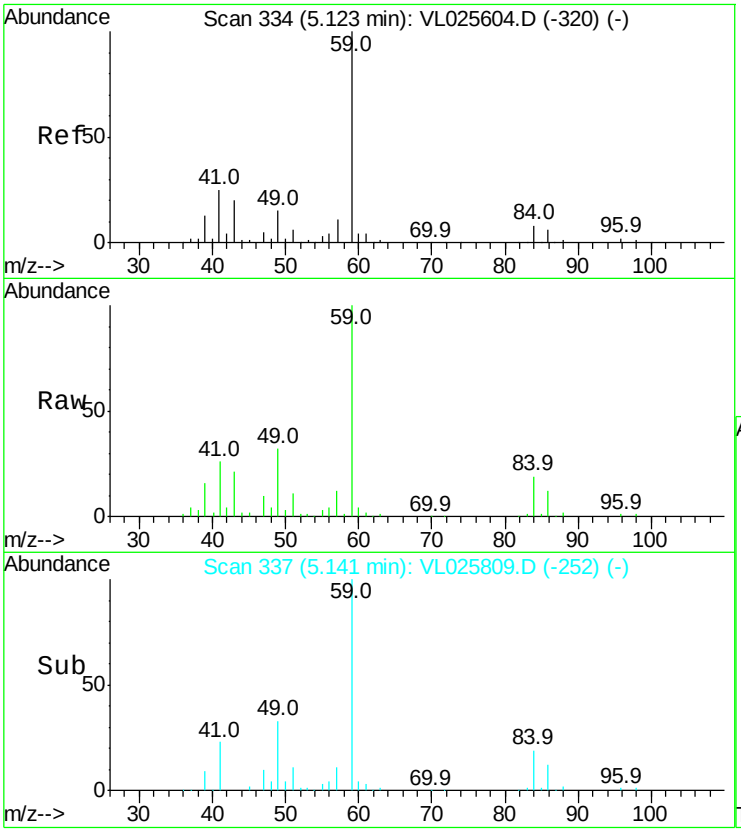


#16
1,3-Butadiene
Concen: 8.91 ppbv
RT: 3.98 min Scan# 146
Delta R.T. 0.01 min
Lab File: VL025809.D
Acq: 31 Jul 2015 12:00

Tgt Ion: 39 Resp: 390780

Ion	Ratio	Lower	Upper
39	100		
54	72.4	59.3	88.9



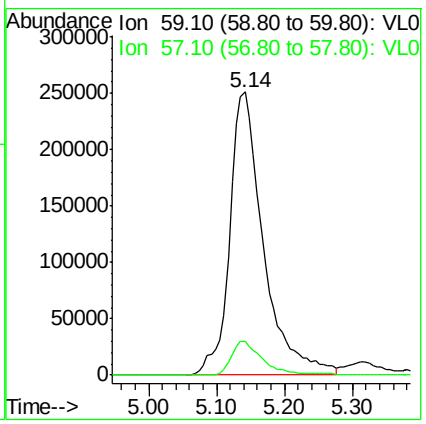


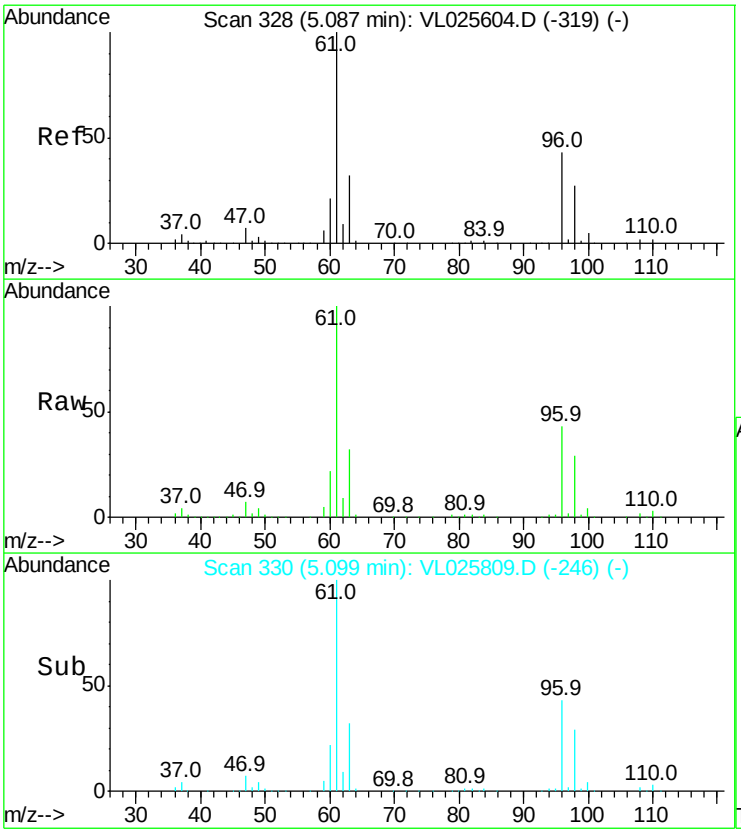
#17
tert-Butyl alcohol
Concen: 9.38 ppbv
RT: 5.14 min Scan# 337
Delta R.T. 0.02 min
Lab File: VL025809.D
Acq: 31 Jul 2015 12:00

Instrument : MSVOA_L
ClientSampleId : VL0731ABS02

Tgt Ion: 59 Resp: 867212

Ion	Ratio	Lower	Upper
59	100		
57	11.7	9.4	14.2

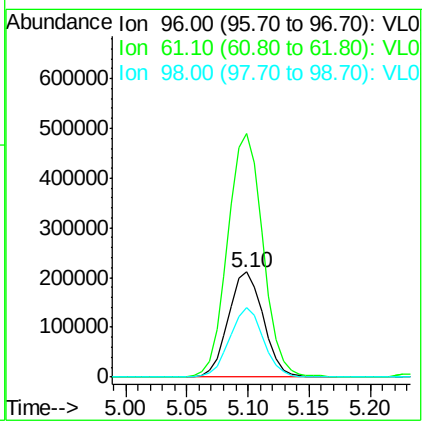


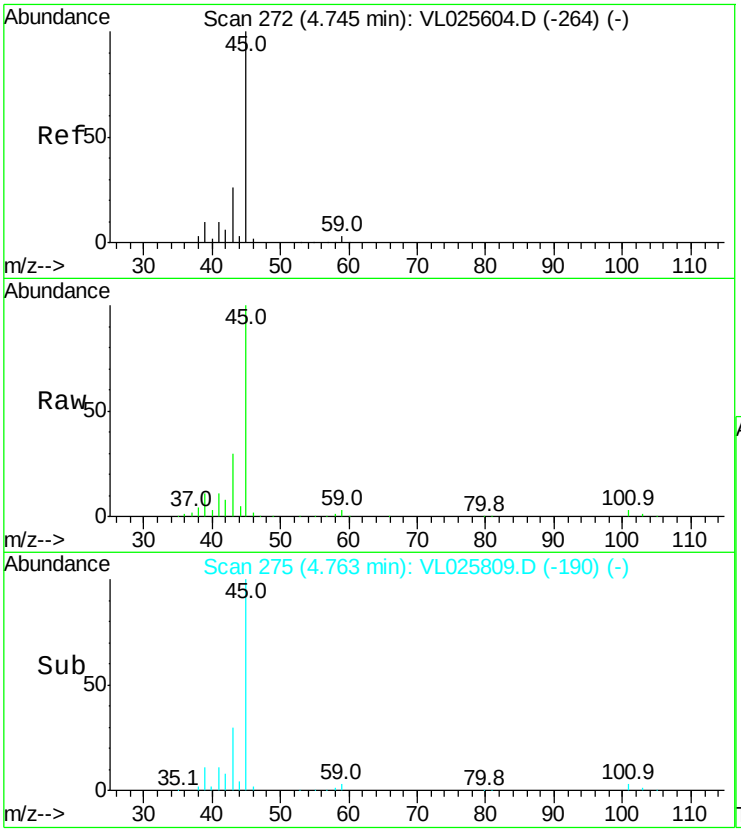


#18
1,1-Dichloroethene
Concen: 9.11 ppbv
RT: 5.10 min Scan# 330
Delta R.T. 0.01 min
Lab File: VL025809.D
Acq: 31 Jul 2015 12:00

Tgt Ion: 96 Resp: 418908

Ion	Ratio	Lower	Upper
96	100		
61	231.4	184.1	276.1
98	66.2	50.0	75.0



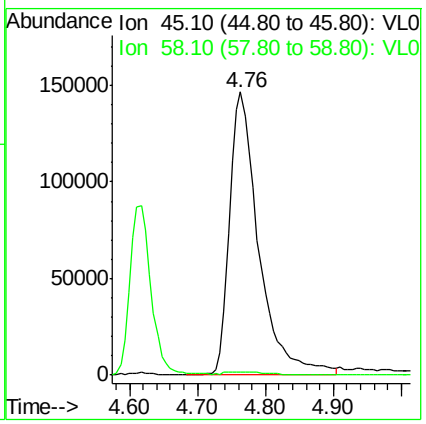


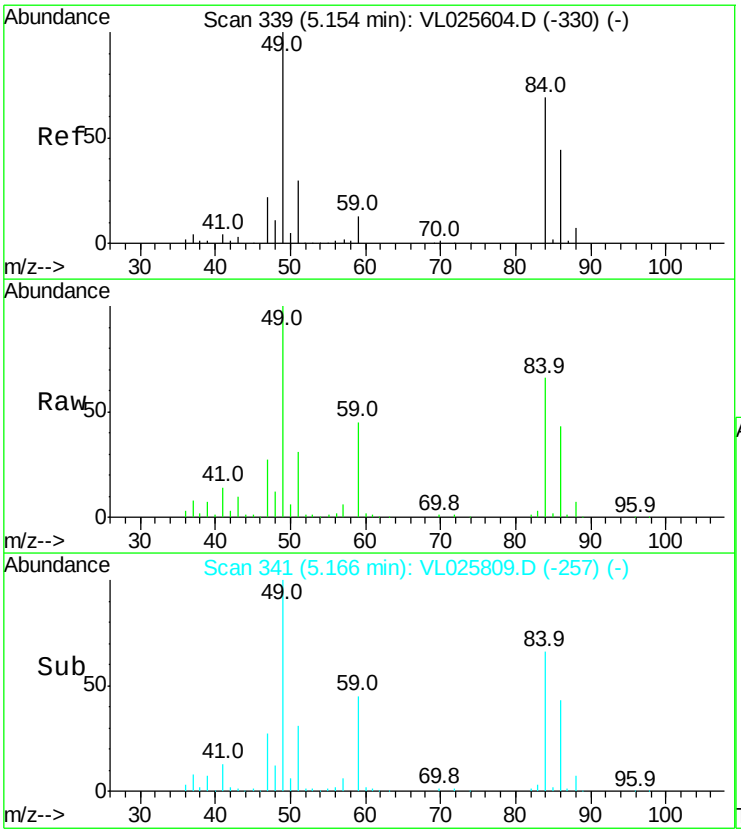
#19
Isopropyl Alcohol
Concen: 9.89 ppbv
RT: 4.76 min Scan# 275
Delta R.T. 0.02 min
Lab File: VL025809.D
Acq: 31 Jul 2015 12:00

Instrument :
MSVOA_L
ClientSampleId :
VL0731ABS02

Tgt Ion: 45 Resp: 434717

Ion	Ratio	Lower	Upper
45	100		
58	1.8	1.1	1.7#

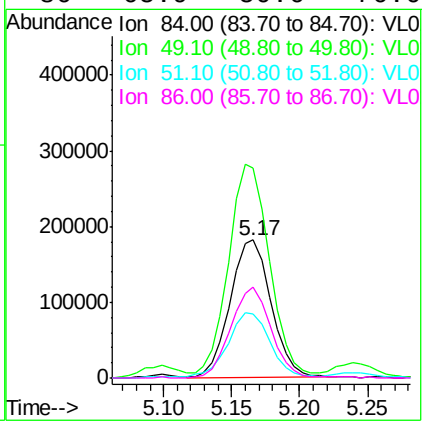


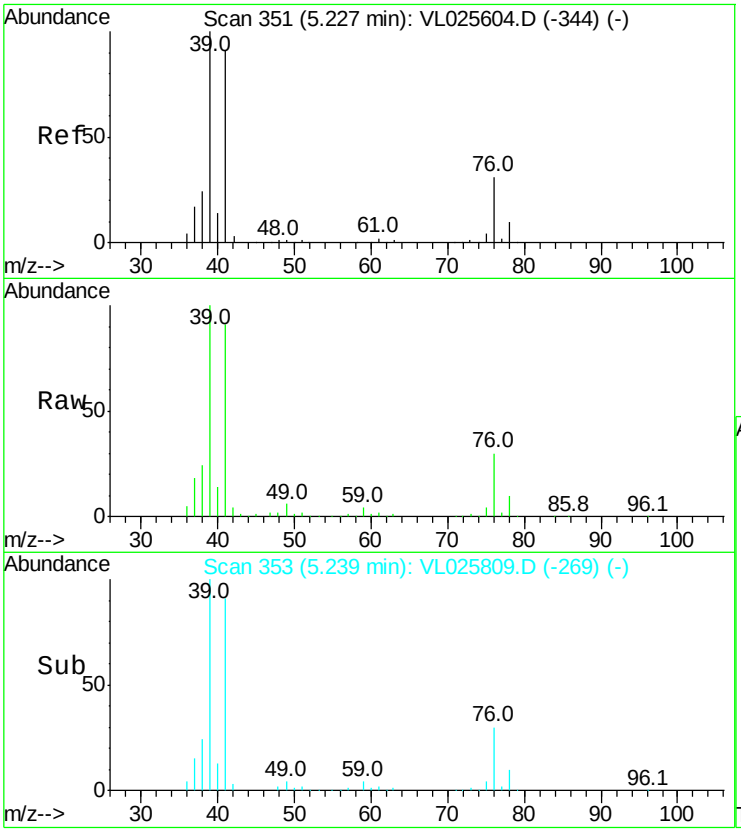


#20
Methylene Chloride
Concen: 8.56 ppbv
RT: 5.17 min Scan# 341
Delta R.T. 0.01 min
Lab File: VL025809.D
Acq: 31 Jul 2015 12:00

Tgt Ion: 84 Resp: 383013

Ion	Ratio	Lower	Upper
84	100		
49	149.7	115.2	172.8
51	45.6	35.0	52.6
86	65.9	50.6	76.0



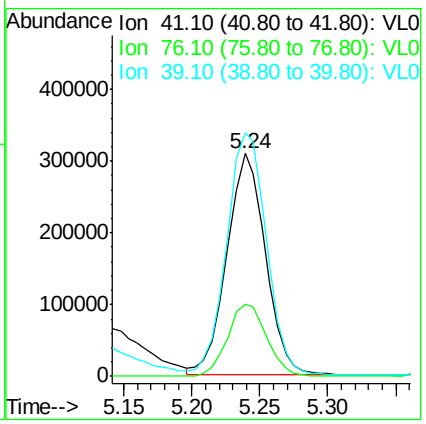


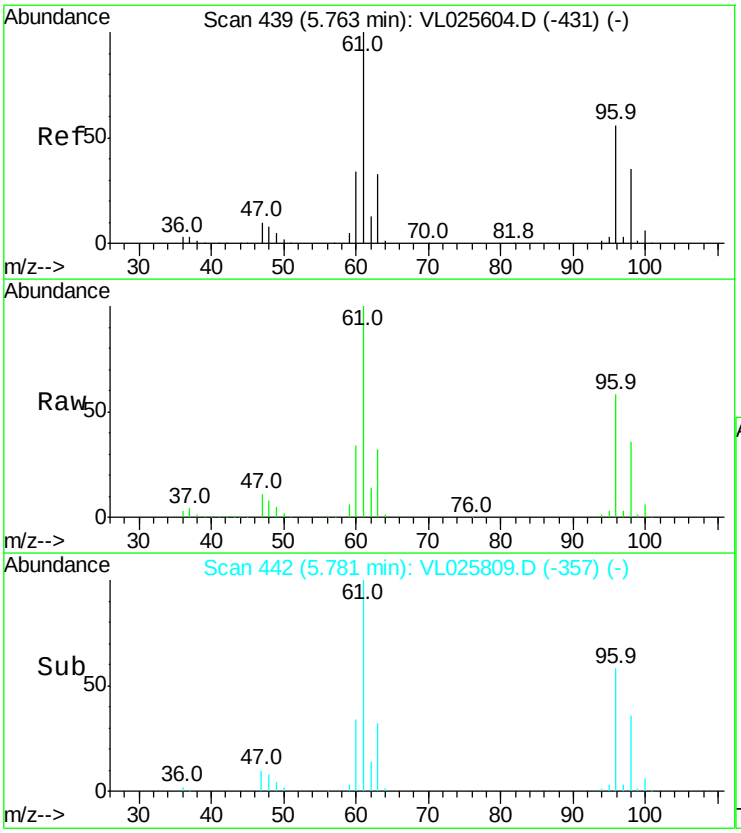
#21
Allyl Chloride
Concen: 8.82 ppbv
RT: 5.24 min Scan# 353
Delta R.T. 0.01 min
Lab File: VL025809.D
Acq: 31 Jul 2015 12:00

Instrument :
MSVOA_L
ClientSampleId :
VL0731ABS02

Tgt Ion: 41 Resp: 607874

Ion	Ratio	Lower	Upper
41	100		
76	33.4	26.6	40.0
39	114.6	88.2	132.4

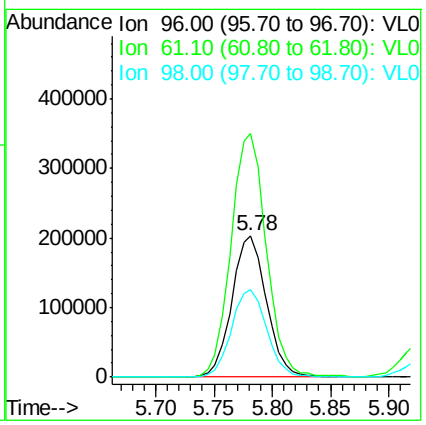


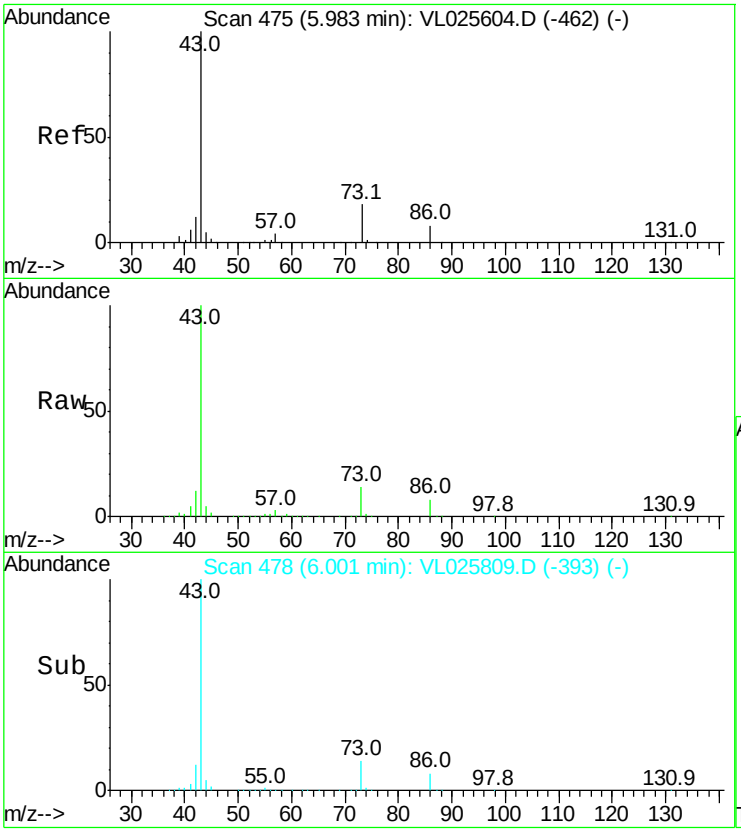


#22
trans-1,2-Dichloroethene
Concen: 8.96 ppbv
RT: 5.78 min Scan# 442
Delta R.T. 0.02 min
Lab File: VL025809.D
Acq: 31 Jul 2015 12:00

Tgt Ion: 96 Resp: 420949

Ion	Ratio	Lower	Upper
96	100		
61	172.0	141.8	212.6
98	61.9	49.0	73.6



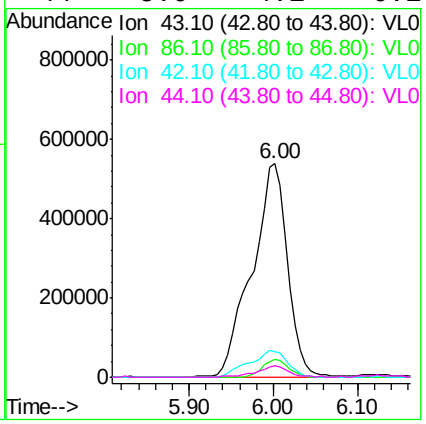


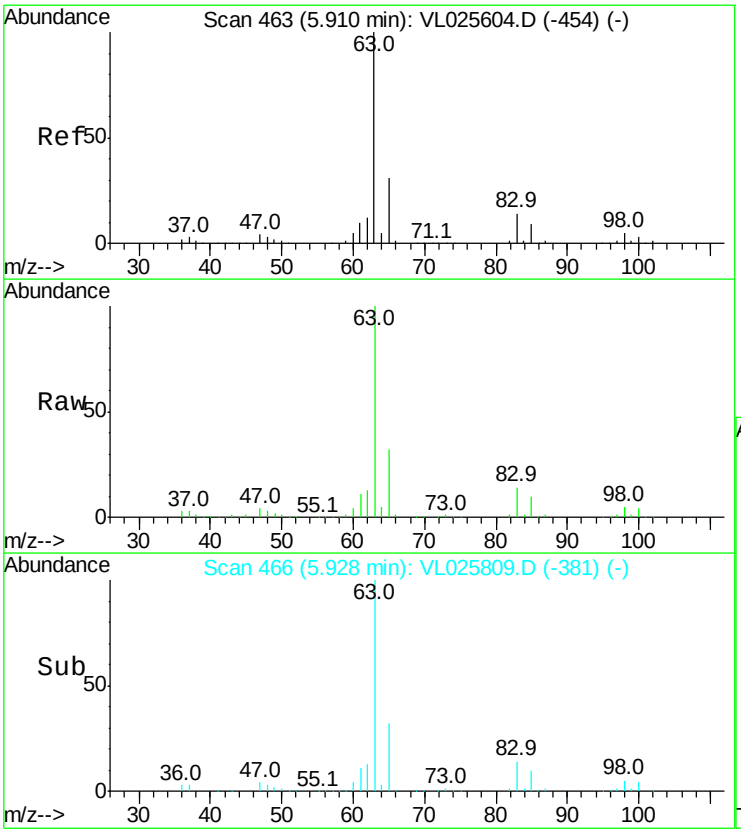
#23
Vinyl Acetate
Concen: 9.30 ppbv
RT: 6.00 min Scan# 478
Delta R.T. 0.02 min
Lab File: VL025809.D
Acq: 31 Jul 2015 12:00

Instrument : MSVOA_L
ClientSampleId : VL0731ABS02

Tgt Ion: 43 Resp: 1551675

Ion	Ratio	Lower	Upper
43	100		
86	8.3	6.7	10.1
42	12.1	9.8	14.6
44	5.0	4.1	6.1

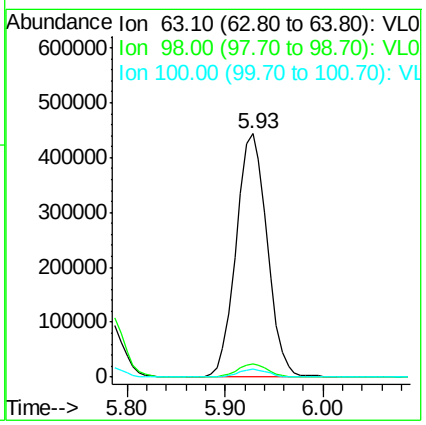


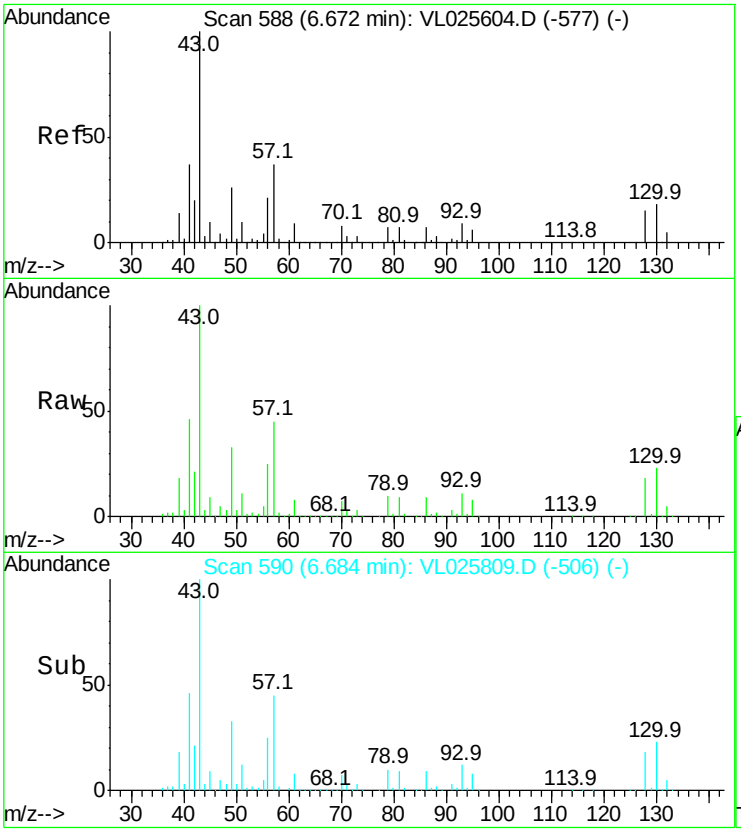


#24
1,1-Dichloroethane
Concen: 8.73 ppbv
RT: 5.93 min Scan# 466
Delta R.T. 0.02 min
Lab File: VL025809.D
Acq: 31 Jul 2015 12:00

Tgt Ion: 63 Resp: 976198

Ion	Ratio	Lower	Upper
63	100		
98	5.5	2.6	8.0
100	3.6	1.6	4.7



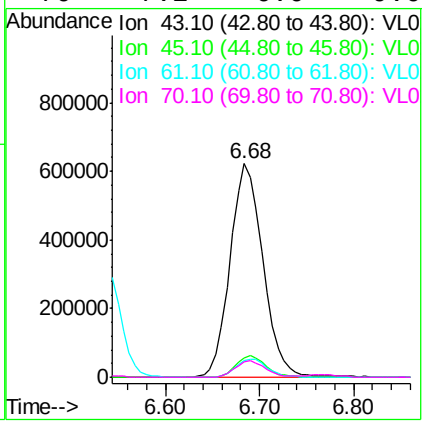


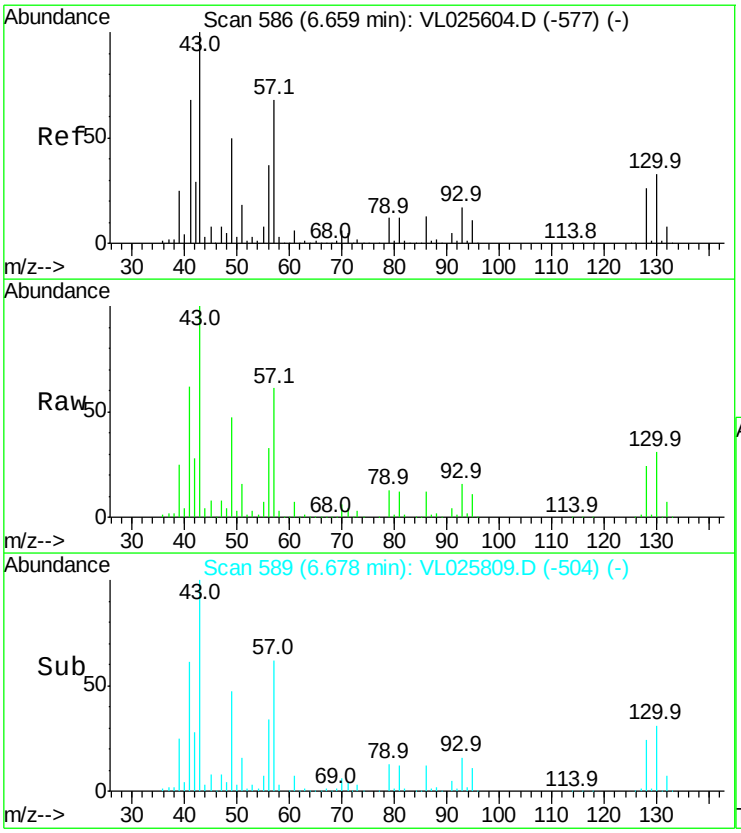
#25
Ethyl Acetate
Concen: 9.05 ppbv
RT: 6.68 min Scan# 590
Delta R.T. 0.01 min
Lab File: VL025809.D
Acq: 31 Jul 2015 12:00

Instrument : MSVOA_L
ClientSampleId : VL0731ABS02

Tgt Ion: 43 Resp: 1508120

Ion	Ratio	Lower	Upper
43	100		
45	9.3	7.5	11.3
61	8.4	6.6	10.0
70	7.2	6.0	9.0

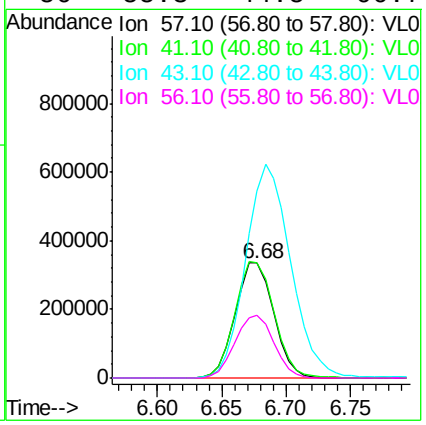


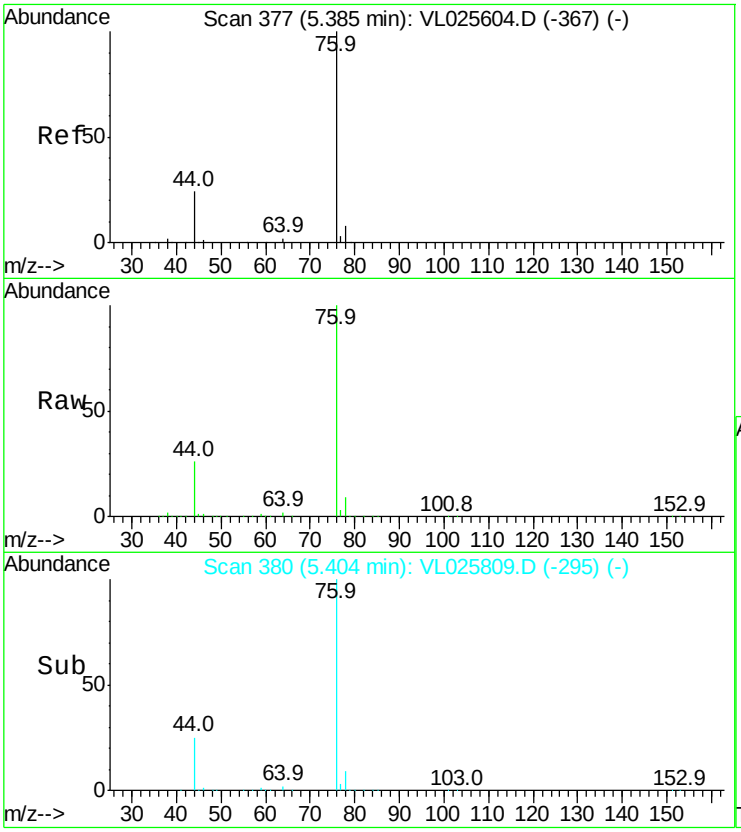


#26
Hexane
Concen: 8.87 ppbv
RT: 6.68 min Scan# 589
Delta R.T. 0.02 min
Lab File: VL025809.D
Acq: 31 Jul 2015 12:00

Tgt Ion: 57 Resp: 696077

Ion	Ratio	Lower	Upper
57	100		
41	104.4	81.4	122.2
43	217.7	171.4	257.2
56	55.3	44.5	66.7



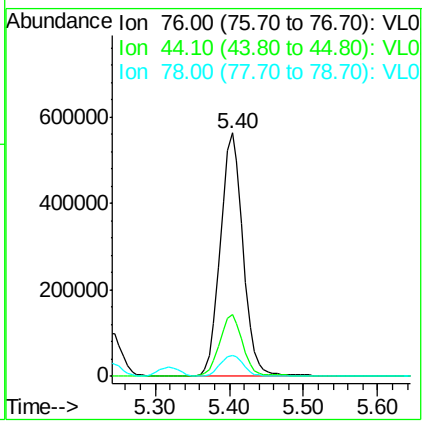


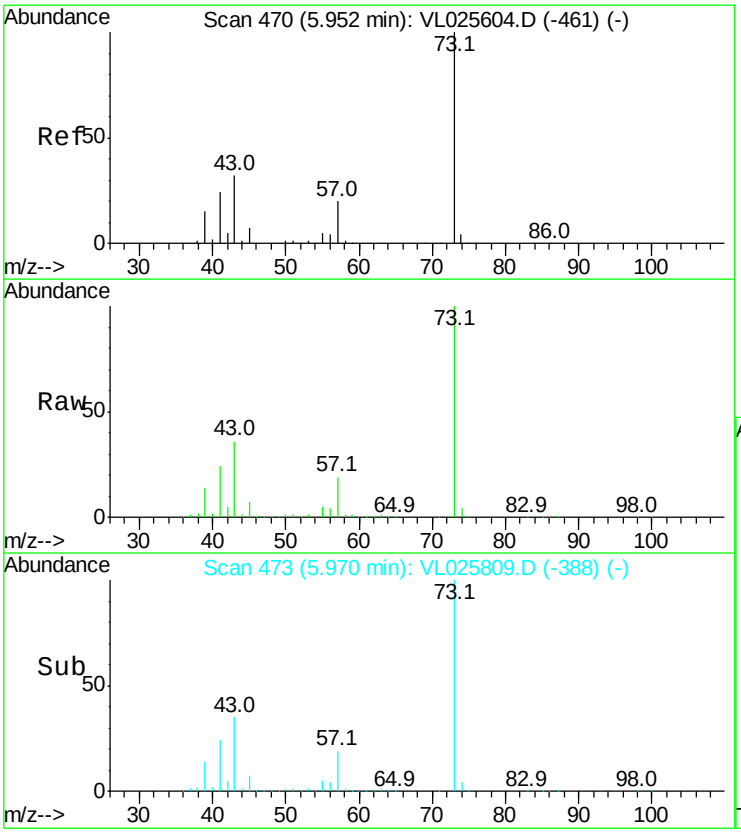
#27
Carbon Disulfide
Concen: 9.44 ppbv
RT: 5.40 min Scan# 380
Delta R.T. 0.02 min
Lab File: VL025809.D
Acq: 31 Jul 2015 12:00

Instrument : MSVOA_L
ClientSampleId : VL0731ABS02

Tgt Ion: 76 Resp: 1200104

Ion	Ratio	Lower	Upper
76	100		
44	25.0	20.2	30.4
78	9.2	7.4	11.2

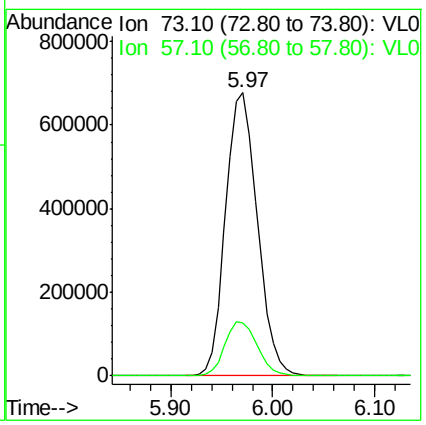


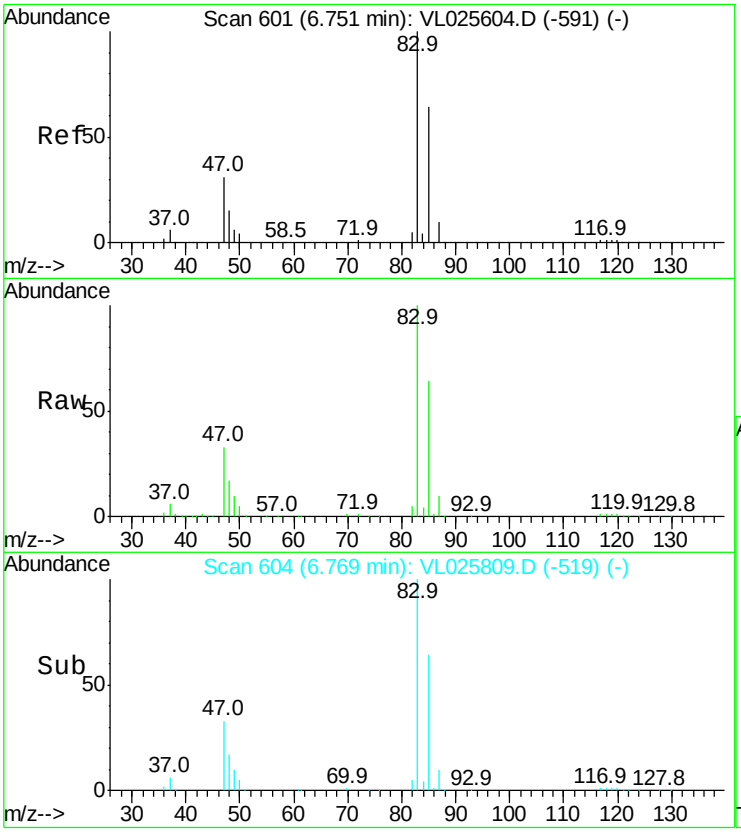


#28
Methyl tert-Butyl Ether
Concen: 9.40 ppbv
RT: 5.97 min Scan# 473
Delta R.T. 0.02 min
Lab File: VL025809.D
Acq: 31 Jul 2015 12:00

Tgt Ion: 73 Resp: 1466061

Ion	Ratio	Lower	Upper
73	100		
57	19.7	16.0	24.0



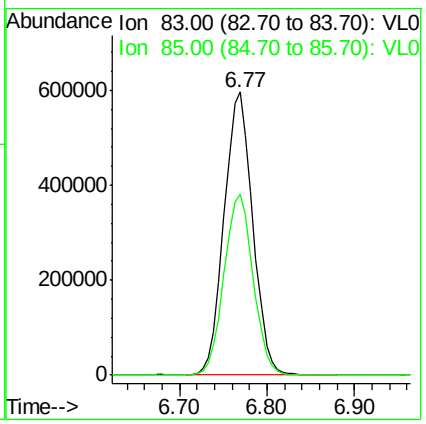


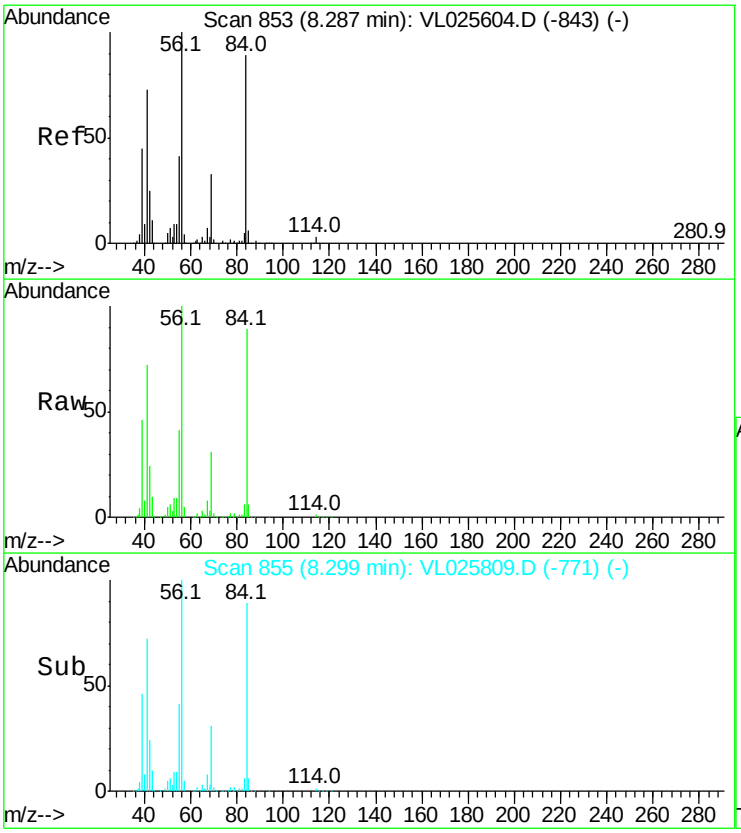
#29
Chloroform
Concen: 8.76 ppbv
RT: 6.77 min Scan# 604
Delta R.T. 0.02 min
Lab File: VL025809.D
Acq: 31 Jul 2015 12:00

Instrument :
MSVOA_L
ClientSampleId :
VL0731ABS02

Tgt Ion: 83 Resp: 1357951

Ion	Ratio	Lower	Upper
83	100		
85	63.9	51.6	77.4

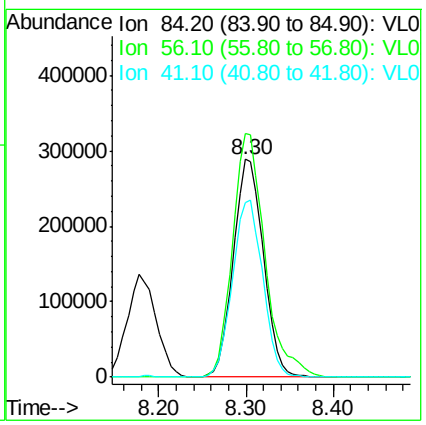


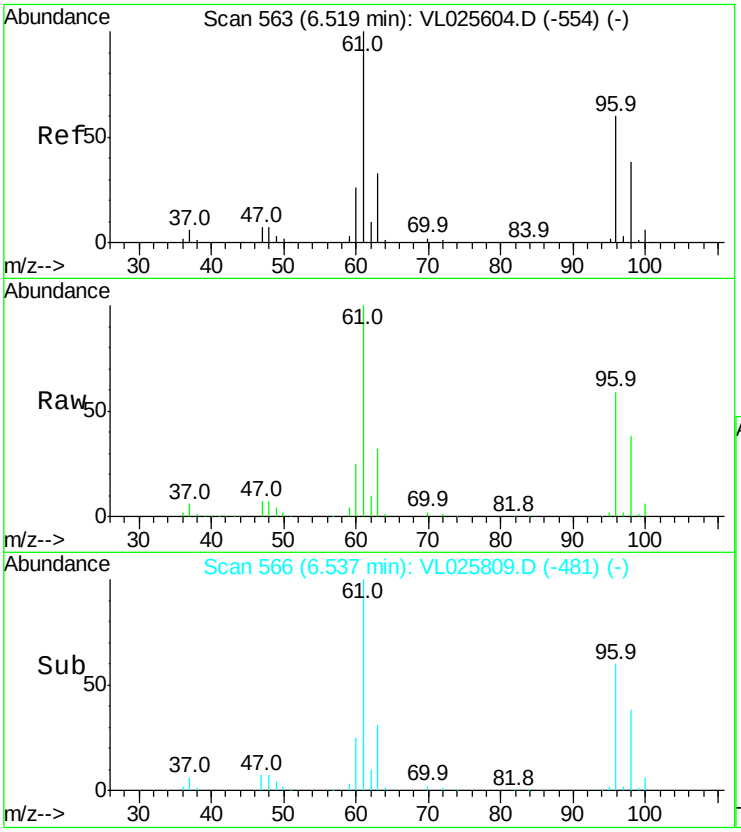


#30
Cyclohexane
Concen: 9.24 ppbv
RT: 8.30 min Scan# 855
Delta R.T. 0.01 min
Lab File: VL025809.D
Acq: 31 Jul 2015 12:00

Tgt Ion: 84 Resp: 692968

Ion	Ratio	Lower	Upper
84	100		
56	120.3	97.5	146.3
41	81.7	65.4	98.2



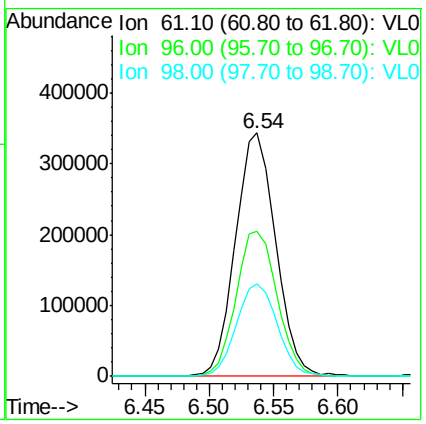


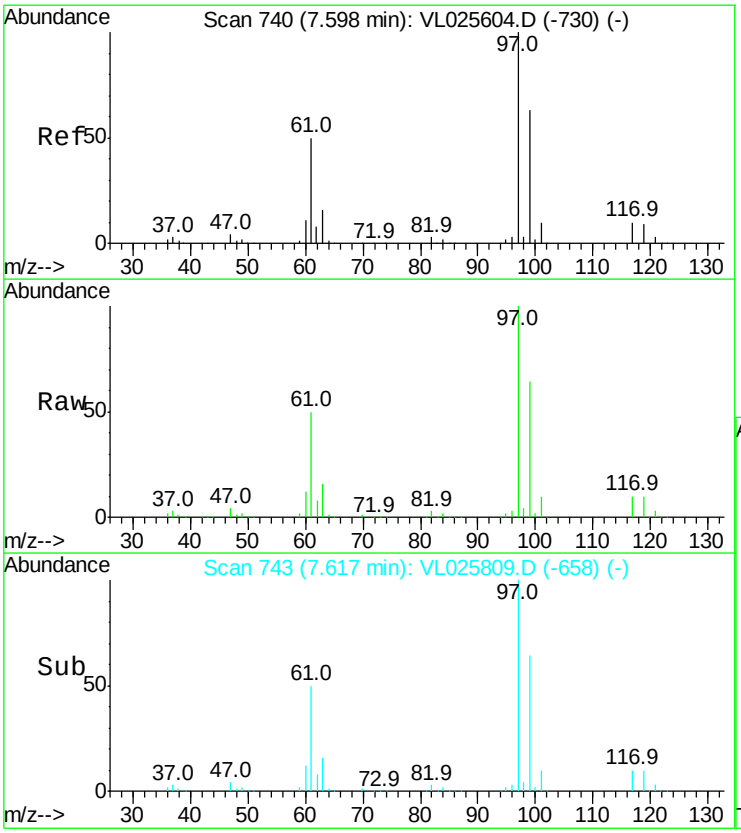
#31
cis-1,2-Dichloroethene
Concen: 9.54 ppbv
RT: 6.54 min Scan# 566
Delta R.T. 0.02 min
Lab File: VL025809.D
Acq: 31 Jul 2015 12:00

Instrument :
MSVOA_L
ClientSampleId :
VL0731ABS02

Tgt Ion: 61 Resp: 744169

Ion	Ratio	Lower	Upper
61	100		
96	59.4	48.1	72.1
98	38.3	30.7	46.1

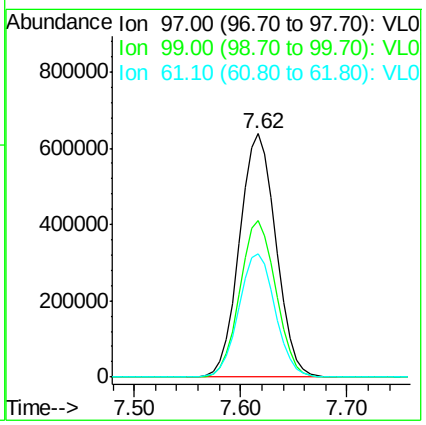


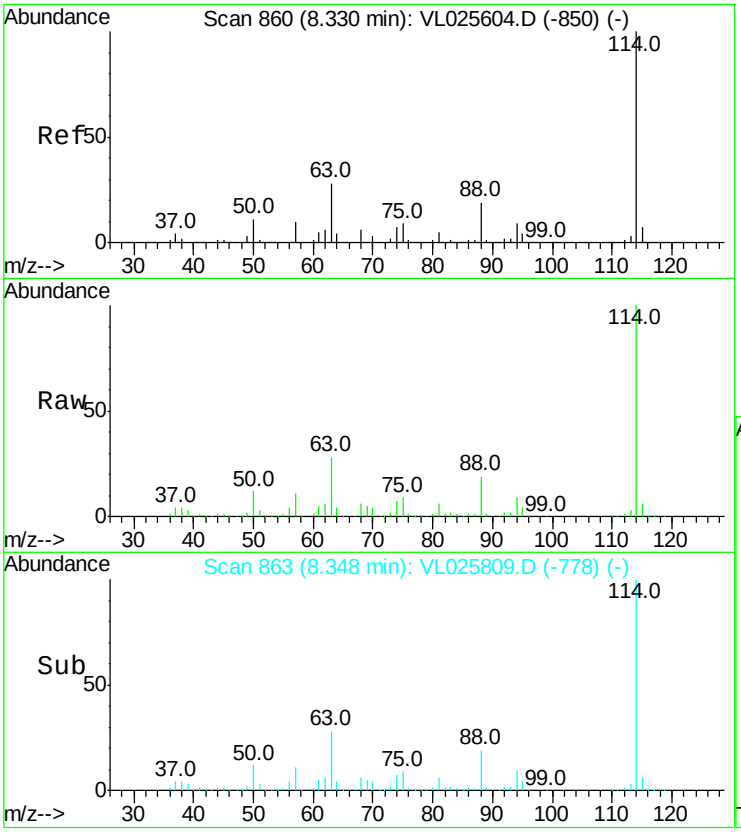


#32
1,1,1-Trichloroethane
Concen: 9.13 ppbv
RT: 7.62 min Scan# 743
Delta R.T. 0.02 min
Lab File: VL025809.D
Acq: 31 Jul 2015 12:00

Tgt Ion: 97 Resp: 1537058

Ion	Ratio	Lower	Upper
97	100		
99	63.8	51.2	76.8
61	50.9	40.4	60.6



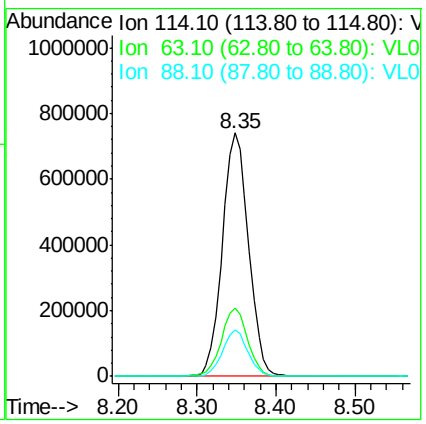


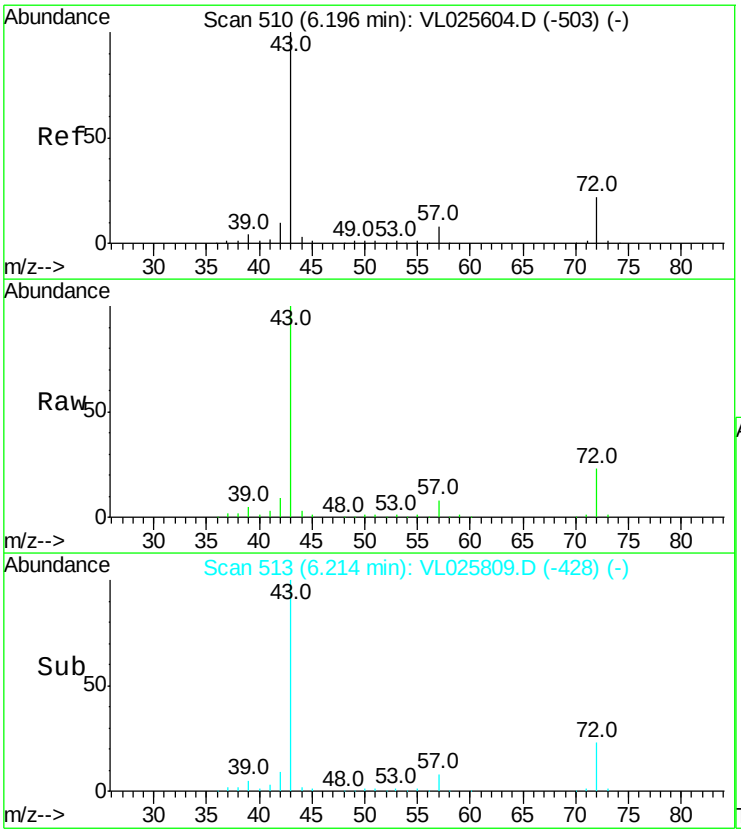
#33
1,4-Difluorobenzene
Concen: 10.00 ppbv
RT: 8.35 min Scan# 863
Delta R.T. 0.02 min
Lab File: VL025809.D
Acq: 31 Jul 2015 12:00

Instrument :
MSVOA_L
ClientSampleId :
VL0731ABS02

Tgt Ion:114 Resp: 1706988

Ion	Ratio	Lower	Upper
114	100		
63	28.5	22.4	33.6
88	18.5	15.0	22.4

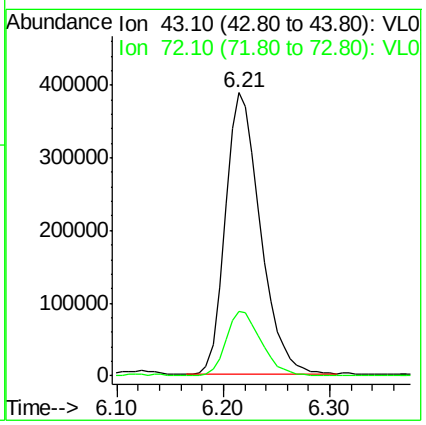


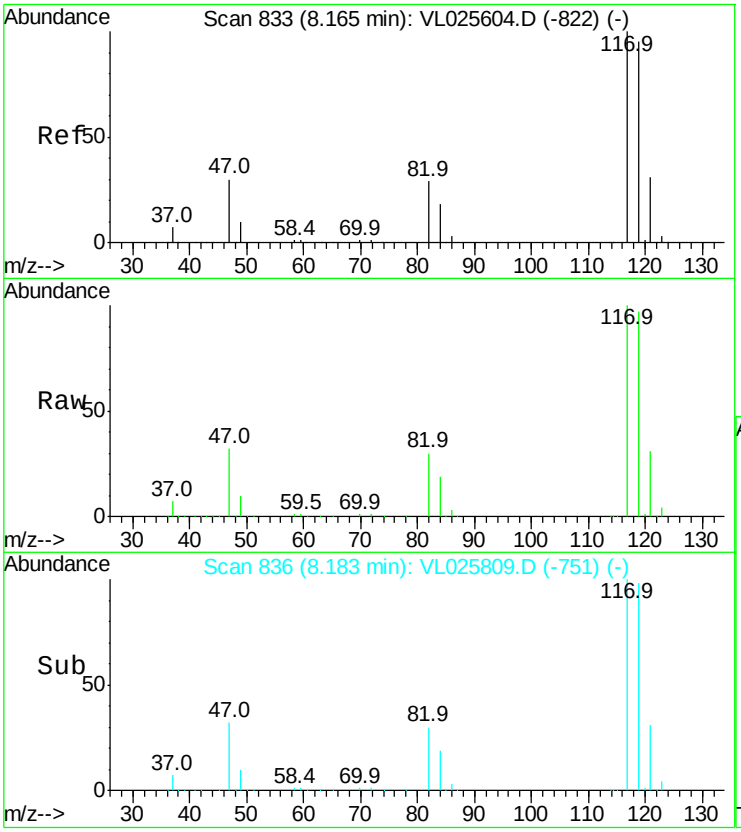


#34
2-Butanone
Concen: 9.25 ppbv
RT: 6.21 min Scan# 513
Delta R.T. 0.02 min
Lab File: VL025809.D
Acq: 31 Jul 2015 12:00

Tgt Ion: 43 Resp: 896234

Ion	Ratio	Lower	Upper
43	100		
72	23.1	18.6	28.0



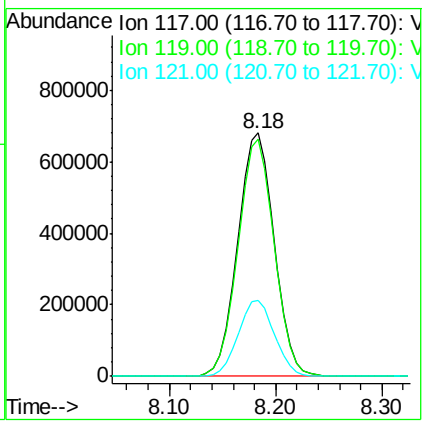


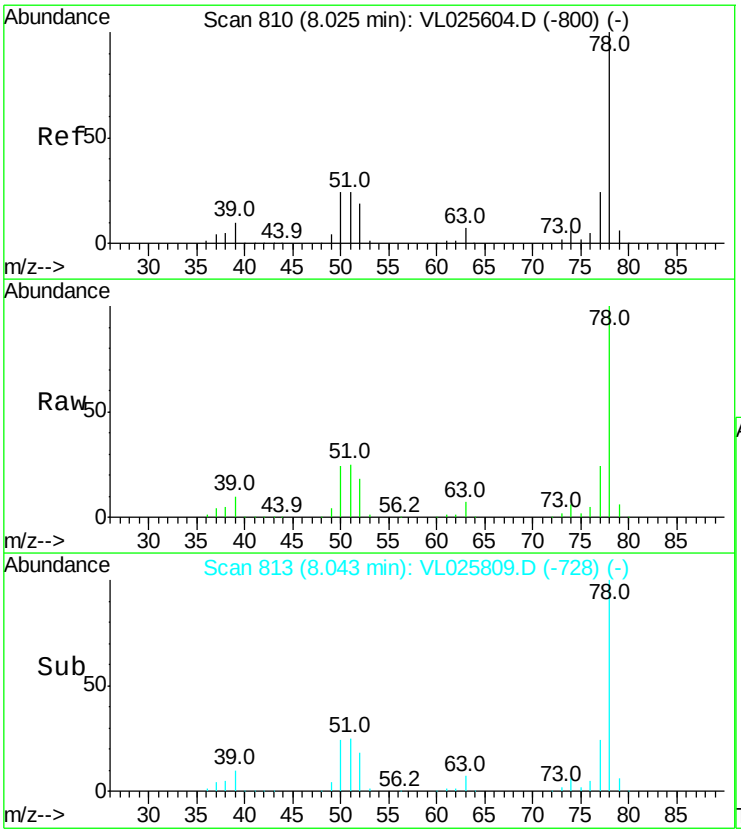
#35
Carbon Tetrachloride
Concen: 9.03 ppbv
RT: 8.18 min Scan# 836
Delta R.T. 0.02 min
Lab File: VL025809.D
Acq: 31 Jul 2015 12:00

Instrument : MSVOA_L
ClientSampleId : VL0731ABS02

Tgt Ion:117 Resp: 1641977

Ion	Ratio	Lower	Upper
117	100		
119	97.5	75.9	113.9
121	31.2	24.4	36.6

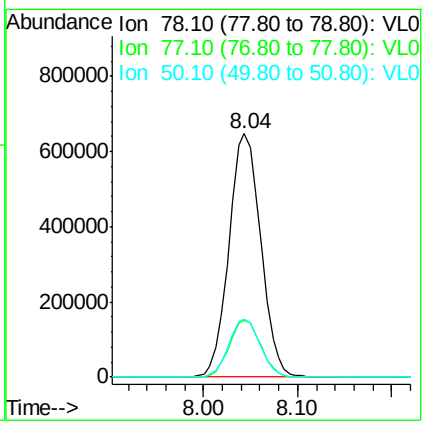


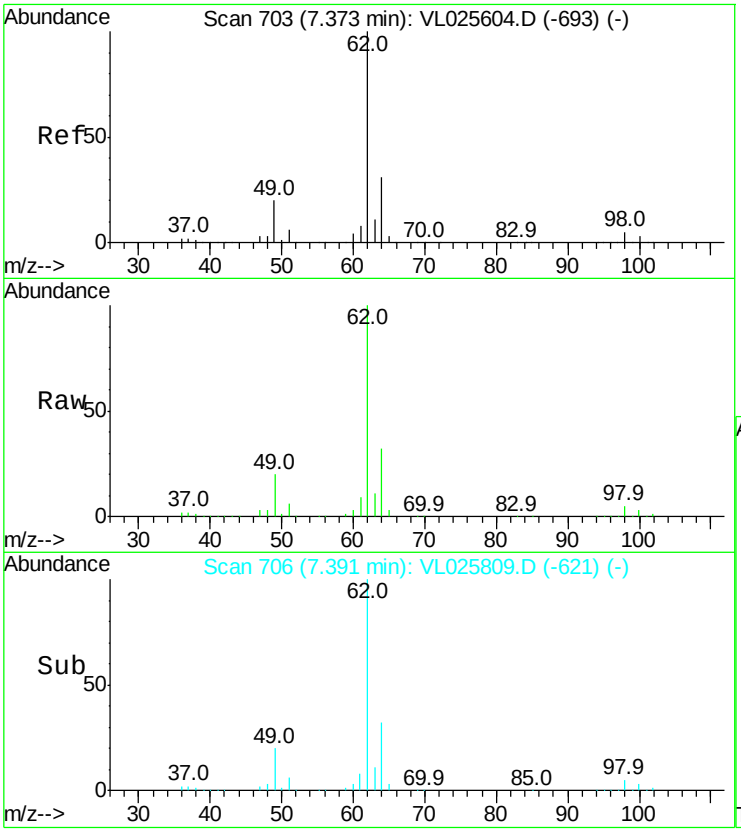


#36
Benzene
Concen: 9.31 ppbv
RT: 8.04 min Scan# 813
Delta R.T. 0.02 min
Lab File: VL025809.D
Acq: 31 Jul 2015 12:00

Tgt Ion: 78 Resp: 1521930

Ion	Ratio	Lower	Upper
78	100		
77	23.5	19.0	28.4
50	23.9	19.2	28.8



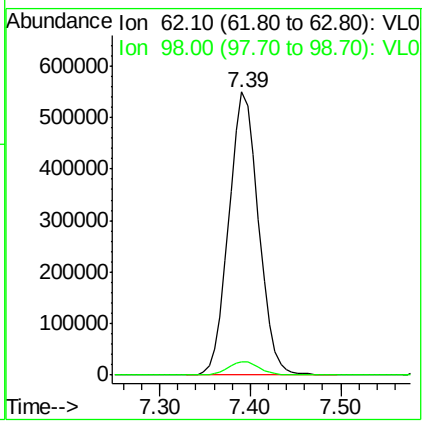


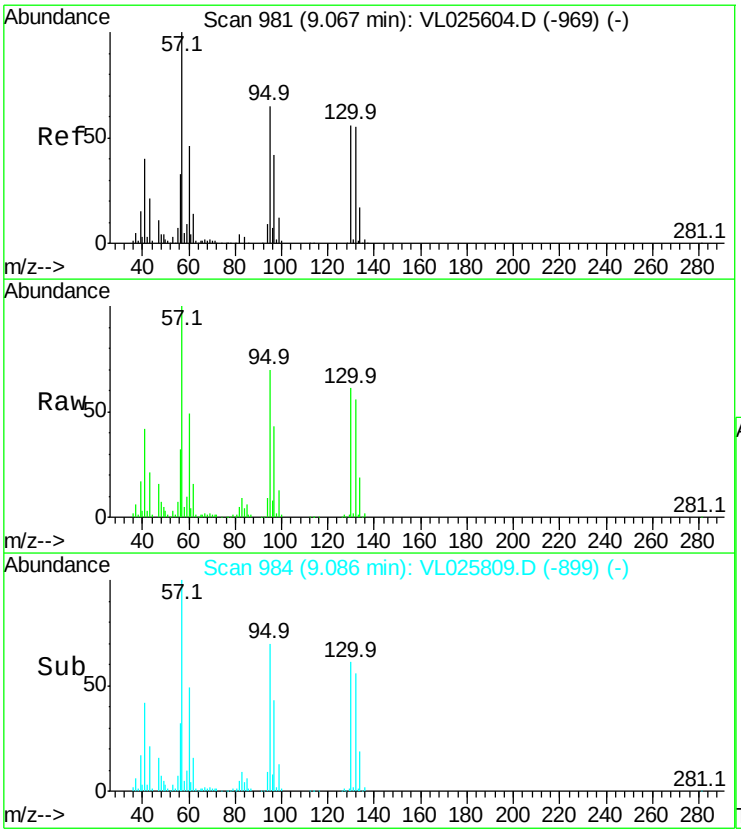
#37
1,2-Dichloroethane
Concen: 8.99 ppbv
RT: 7.39 min Scan# 706
Delta R.T. 0.02 min
Lab File: VL025809.D
Acq: 31 Jul 2015 12:00

Instrument : MSVOA_L
ClientSampleId : VL0731ABS02

Tgt Ion: 62 Resp: 1254639

Ion	Ratio	Lower	Upper
62	100		
98	5.0	4.1	6.1

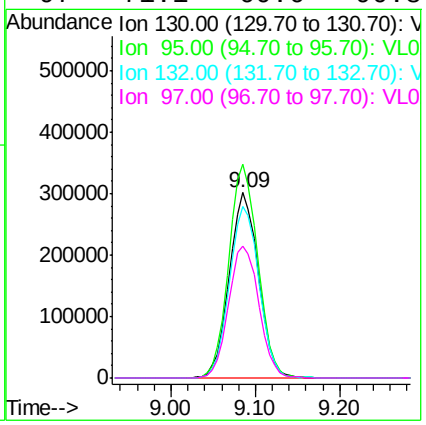


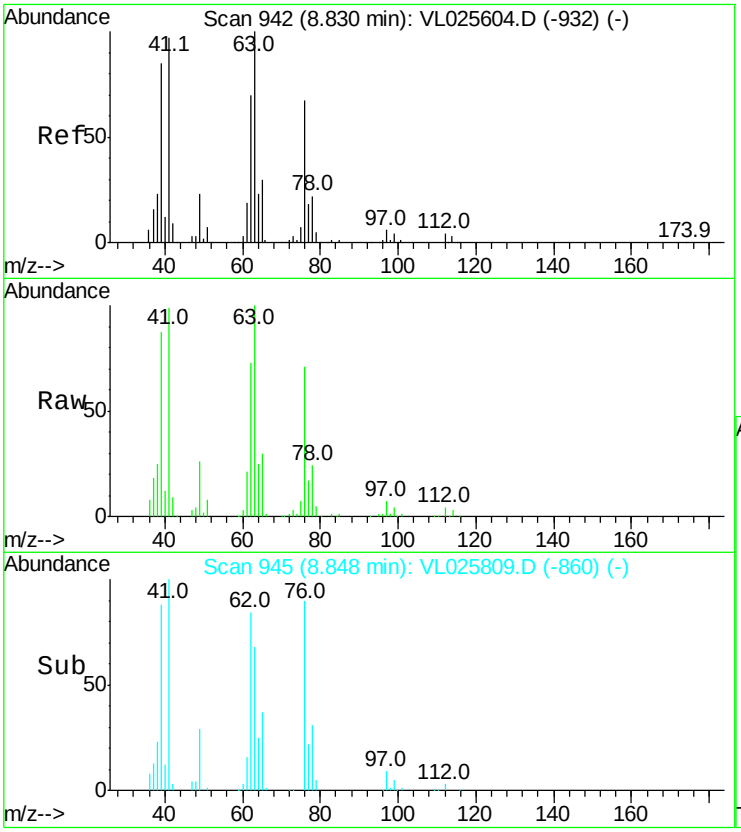


#38
Trichloroethene
Concen: 9.28 ppbv
RT: 9.09 min Scan# 984
Delta R.T. 0.02 min
Lab File: VL025809.D
Acq: 31 Jul 2015 12:00

Tgt Ion:130 Resp: 705745

Ion	Ratio	Lower	Upper
130	100		
95	115.4	94.2	141.4
132	92.8	78.6	118.0
97	71.1	60.6	90.8



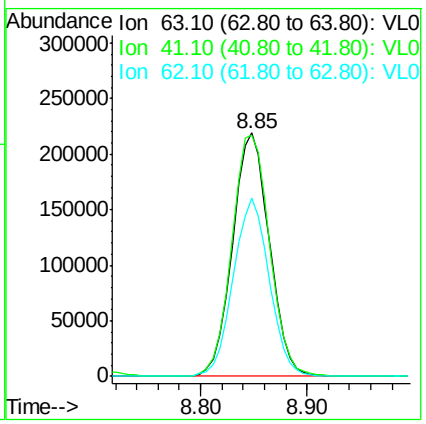


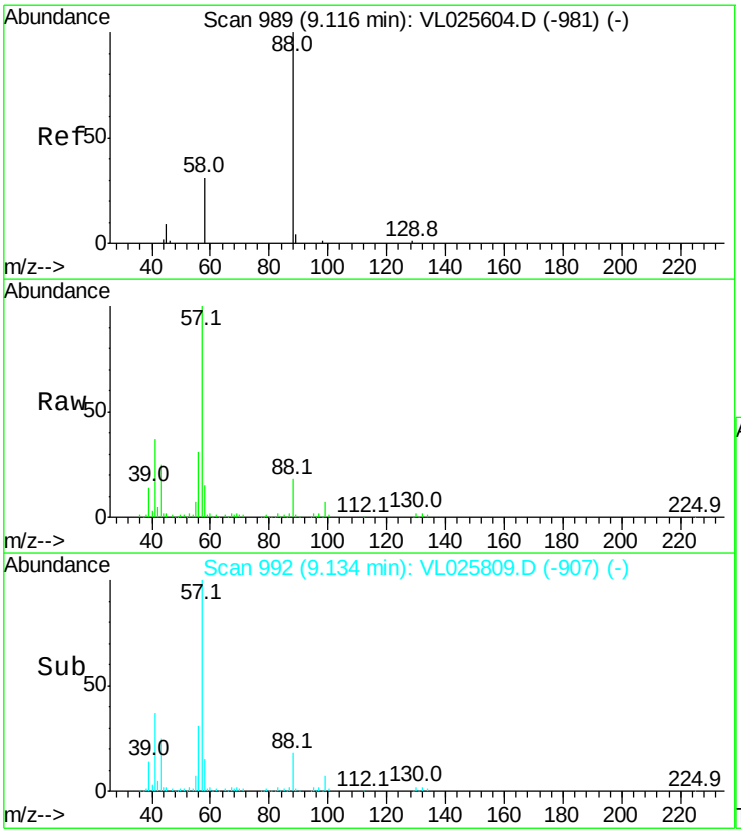
#39
1,2-Dichloropropane
Concen: 8.76 ppbv
RT: 8.85 min Scan# 945
Delta R.T. 0.02 min
Lab File: VL025809.D
Acq: 31 Jul 2015 12:00

Instrument : MSVOA_L
ClientSampleId : VL0731ABS02

Tgt Ion: 63 Resp: 528660

Ion	Ratio	Lower	Upper
63	100		
41	99.2	78.0	117.0
62	73.5	55.7	83.5

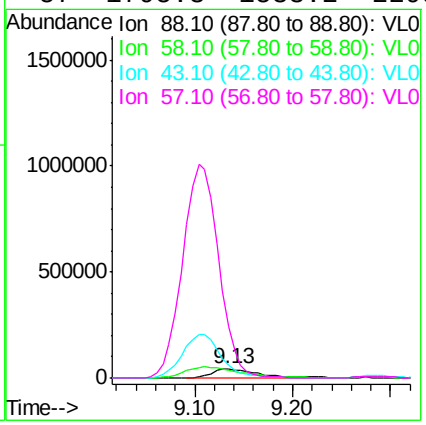


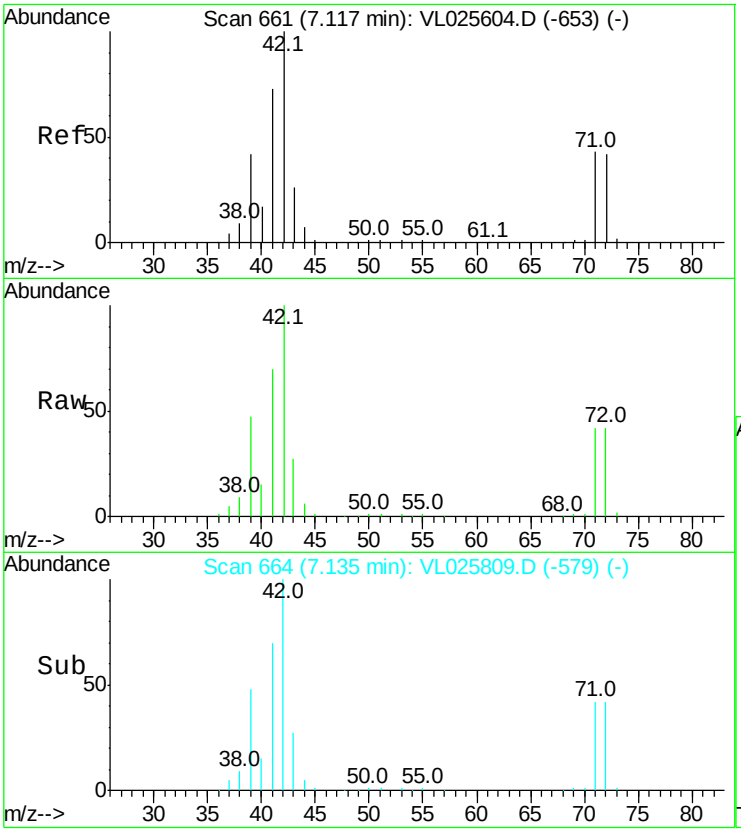


#40
1,4-Dioxane
Concen: 15.27 ppbv
RT: 9.13 min Scan# 992
Delta R.T. 0.02 min
Lab File: VL025809.D
Acq: 31 Jul 2015 12:00

Tgt Ion: 88 Resp: 144612

Ion	Ratio	Lower	Upper
88	100		
58	148.1	127.1	190.7
43	399.9	337.7	506.5
57	1795.3	1533.2	2299.8



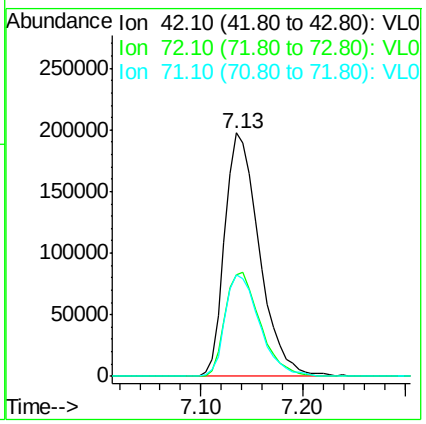


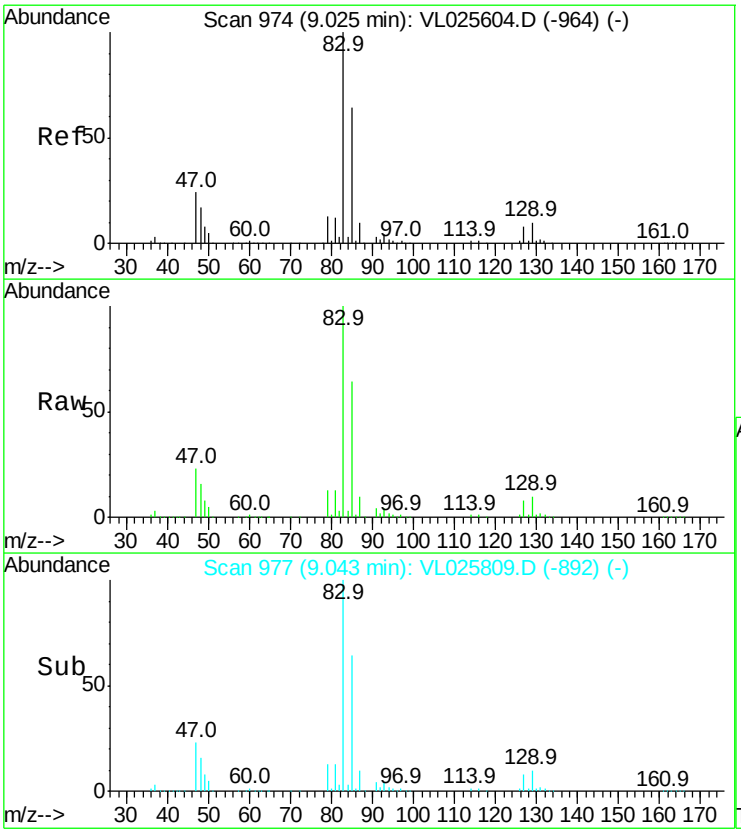
#41
Tetrahydrofuran
Concen: 9.61 ppbv
RT: 7.13 min Scan# 664
Delta R.T. 0.02 min
Lab File: VL025809.D
Acq: 31 Jul 2015 12:00

Instrument : MSVOA_L
ClientSampleId : VL0731ABS02

Tgt Ion: 42 Resp: 464836

Ion	Ratio	Lower	Upper
42	100		
72	43.2	34.0	51.0
71	41.6	33.0	49.6

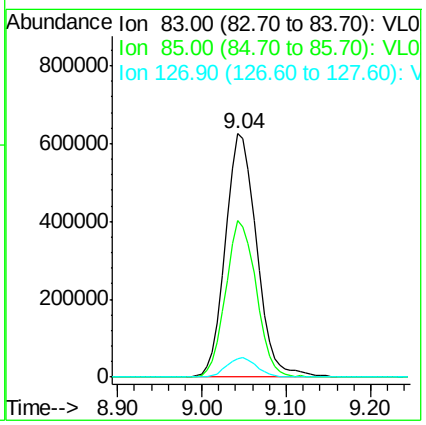


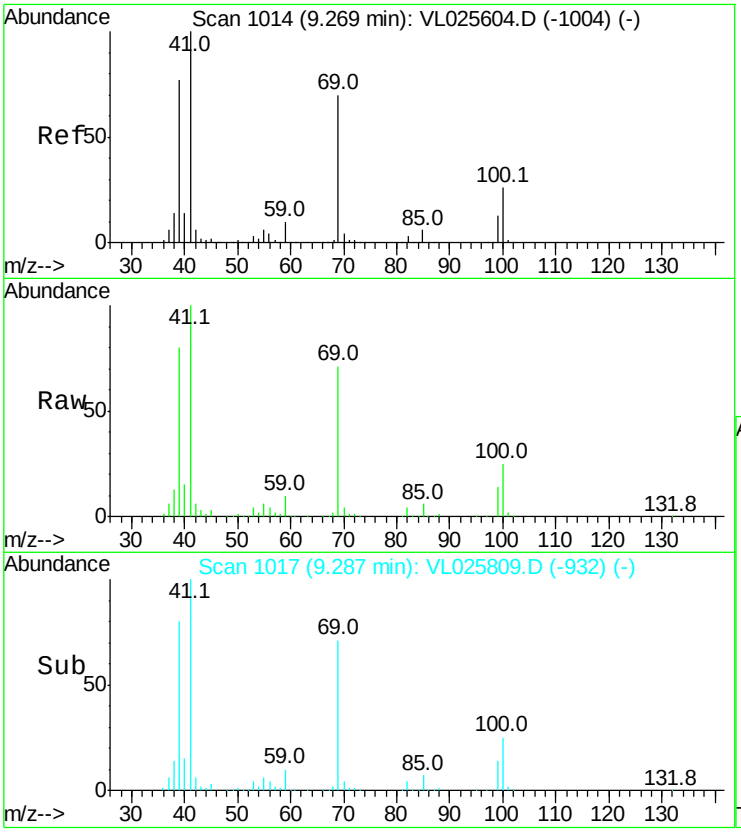


#42
Bromodichloromethane
Concen: 9.41 ppbv
RT: 9.04 min Scan# 977
Delta R.T. 0.02 min
Lab File: VL025809.D
Acq: 31 Jul 2015 12:00

Tgt Ion: 83 Resp: 1584395

Ion	Ratio	Lower	Upper
83	100		
85	64.3	51.3	76.9
127	7.7	6.0	9.0



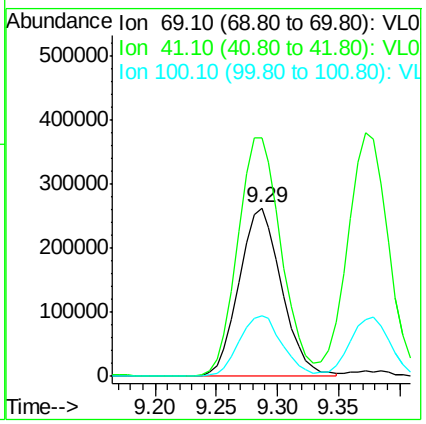


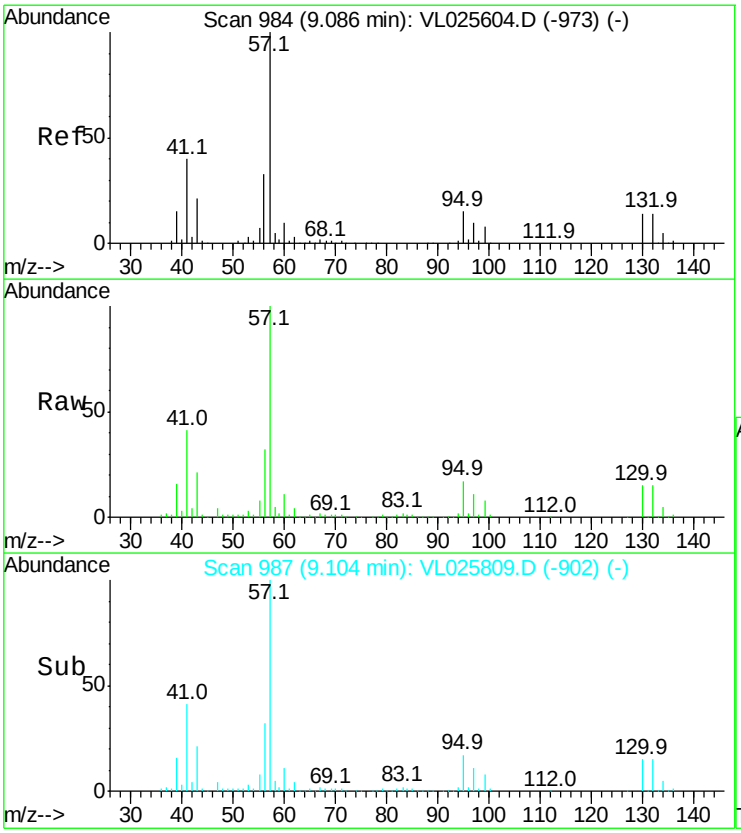
#43
Methyl Methacrylate
Concen: 10.13 ppbv
RT: 9.29 min Scan# 1017
Delta R.T. 0.02 min
Lab File: VL025809.D
Acq: 31 Jul 2015 12:00

Instrument : MSVOA_L
ClientSampleId : VL0731ABS02

Tgt Ion: 69 Resp: 635378

Ion	Ratio	Lower	Upper
69	100		
41	145.4	117.3	175.9
100	36.7	29.0	43.6

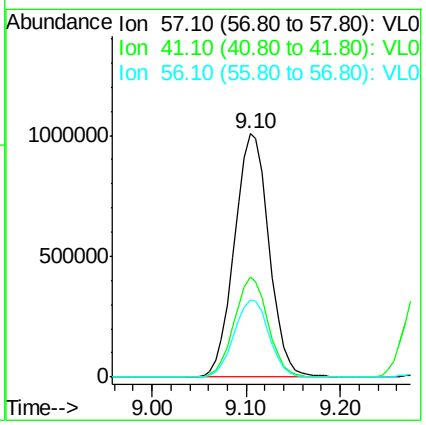


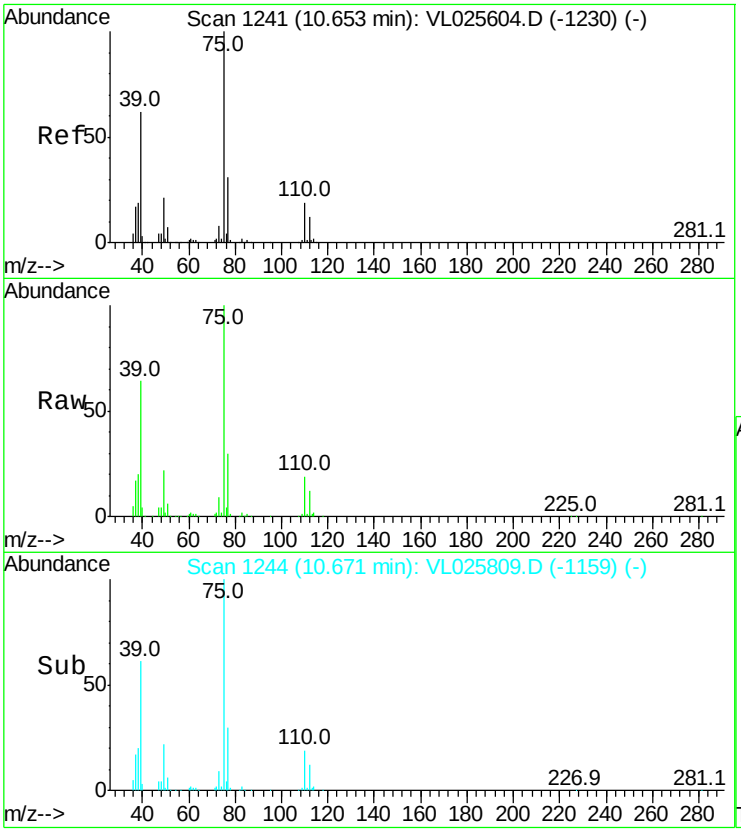


#44
2,2,4-Trimethylpentane
Concen: 9.24 ppbv
RT: 9.10 min Scan# 987
Delta R.T. 0.02 min
Lab File: VL025809.D
Acq: 31 Jul 2015 12:00

Tgt Ion: 57 Resp: 2590088

Ion	Ratio	Lower	Upper
57	100		
41	39.9	31.2	46.8
56	31.8	25.4	38.2



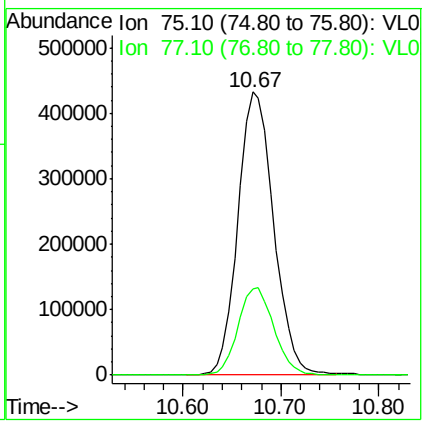


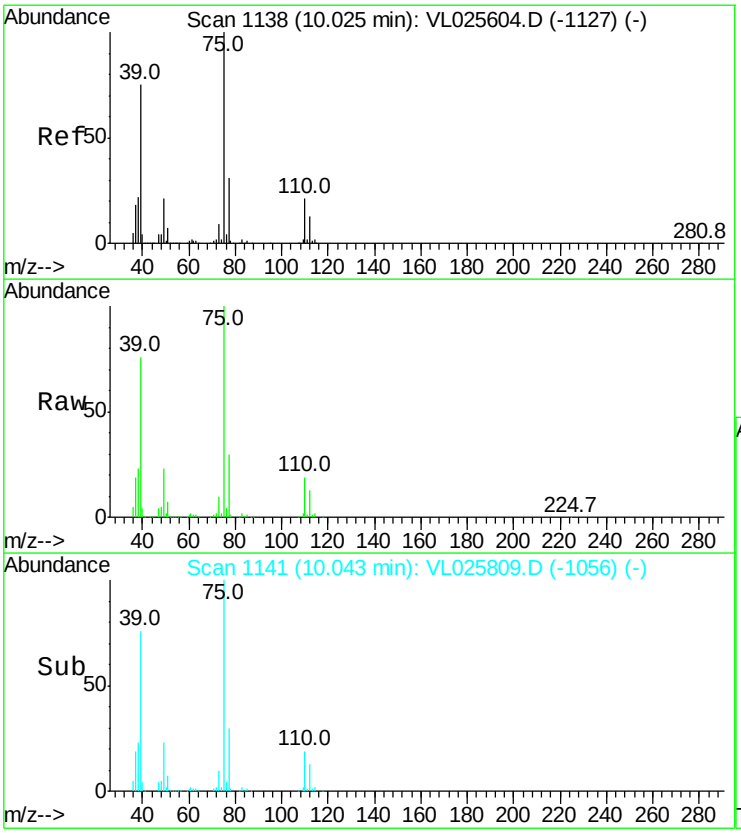
#45
t-1,3-Dichloropropene
Concen: 10.39 ppbv
RT: 10.67 min Scan# 1244
Delta R.T. 0.02 min
Lab File: VL025809.D
Acq: 31 Jul 2015 12:00

Instrument : MSVOA_L
ClientSampleId : VL0731ABS02

Tgt Ion: 75 Resp: 1096302

Ion	Ratio	Lower	Upper
75	100		
77	30.3	24.6	37.0

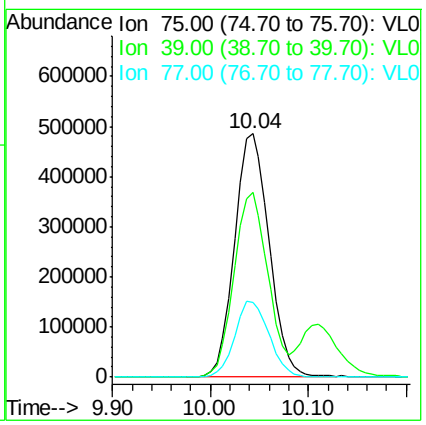


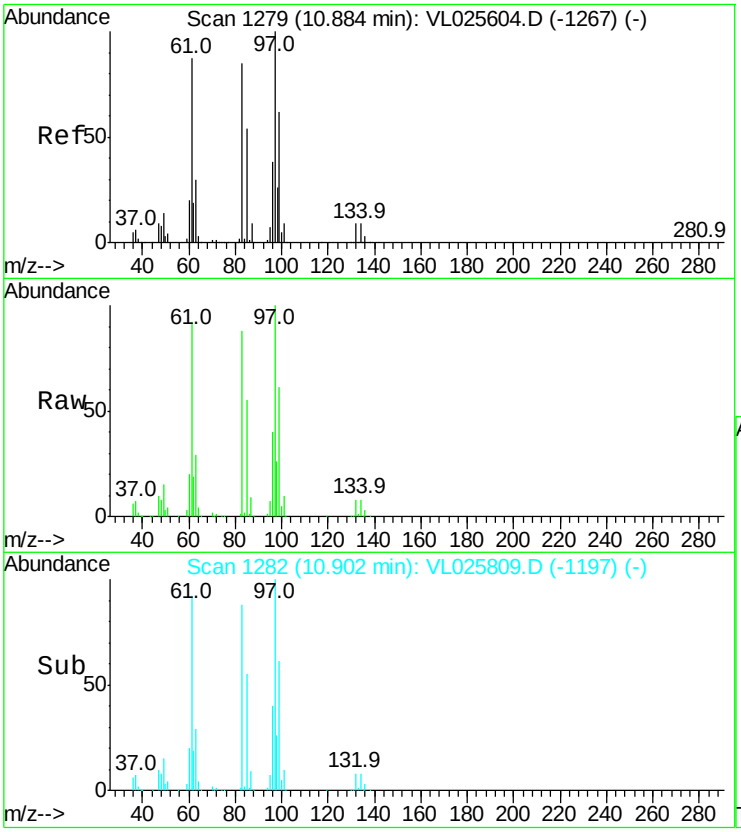


#46
cis-1,3-Dichloropropene
Concen: 10.23 ppbv
RT: 10.04 min Scan# 1141
Delta R.T. 0.02 min
Lab File: VL025809.D
Acq: 31 Jul 2015 12:00

Tgt Ion: 75 Resp: 1193386

Ion	Ratio	Lower	Upper
75	100		
39	75.8	60.4	90.6
77	30.5	24.6	37.0



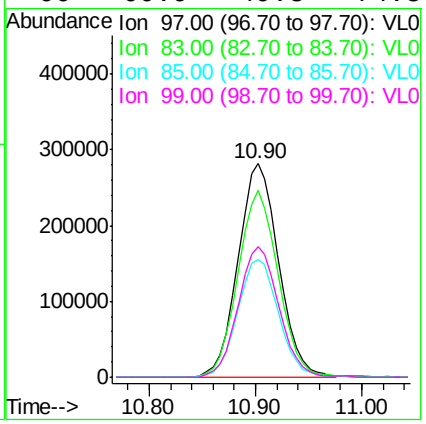


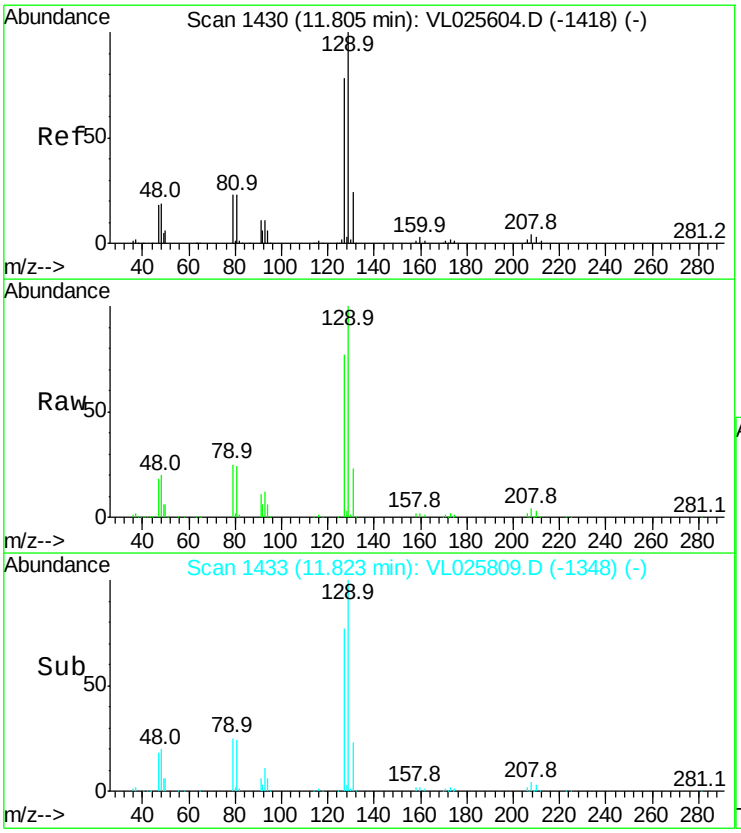
#47
1,1,2-Trichloroethane
Concen: 8.95 ppbv
RT: 10.90 min Scan# 1282
Delta R.T. 0.02 min
Lab File: VL025809.D
Acq: 31 Jul 2015 12:00

Instrument : MSVOA_L
ClientSampleId : VL0731ABS02

Tgt Ion: 97 Resp: 752078

Ion	Ratio	Lower	Upper
97	100		
83	87.6	67.8	101.8
85	54.9	43.5	65.3
99	60.9	49.8	74.8

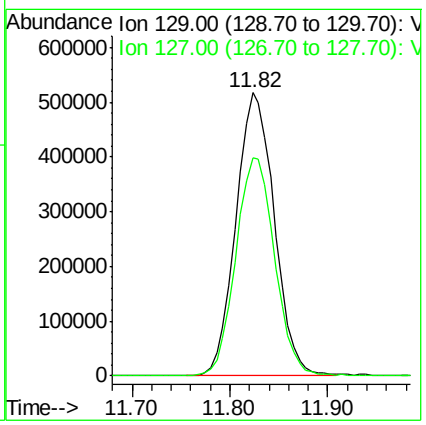


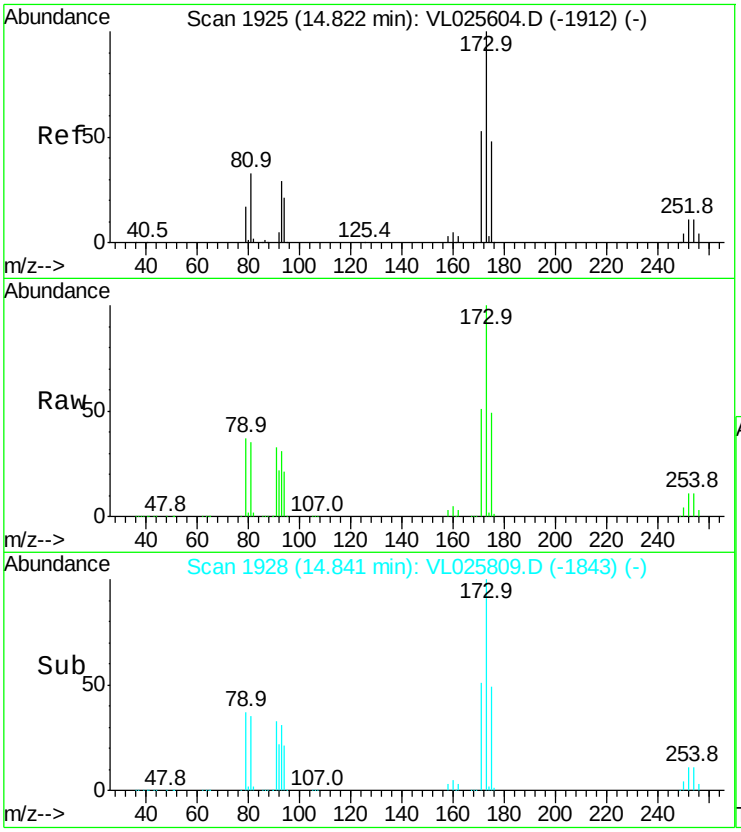


#48
Dibromochloromethane
Concen: 9.39 ppbv
RT: 11.82 min Scan# 1433
Delta R.T. 0.02 min
Lab File: VL025809.D
Acq: 31 Jul 2015 12:00

Tgt Ion:129 Resp: 1411959

Ion	Ratio	Lower	Upper
129	100		
127	78.8	39.0	116.9



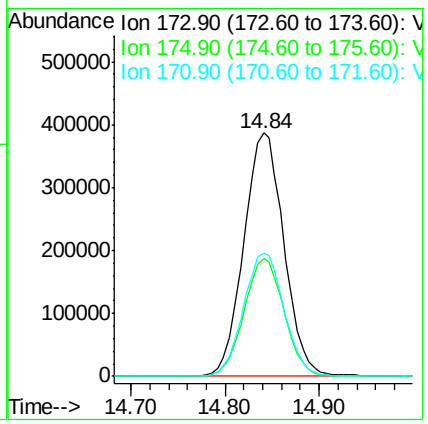


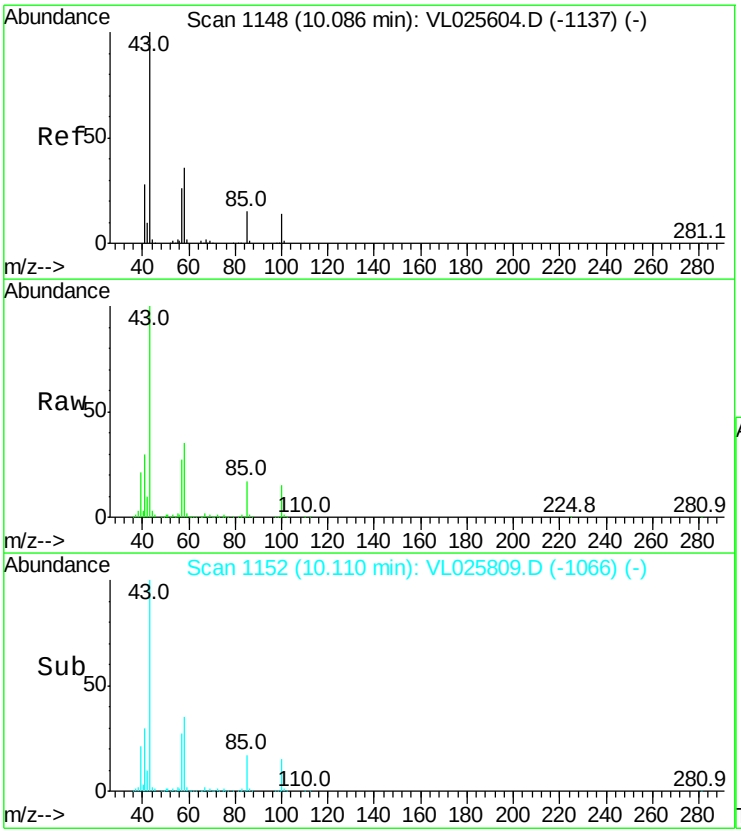
#49
Bromoform
Concen: 9.30 ppbv
RT: 14.84 min Scan# 1928
Delta R.T. 0.02 min
Lab File: VL025809.D
Acq: 31 Jul 2015 12:00

Instrument : MSVOA_L
ClientSampleId : VL0731ABS02

Tgt Ion:173 Resp: 1152668

Ion	Ratio	Lower	Upper
173	100		
175	48.3	39.5	59.3
171	51.5	42.2	63.2

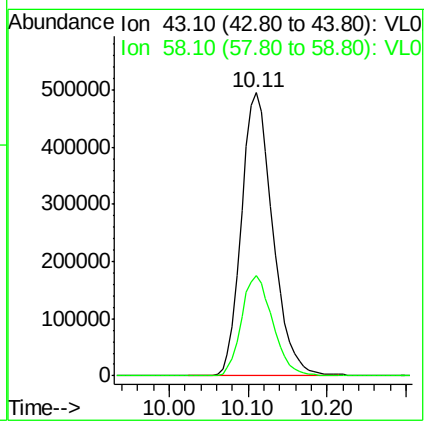


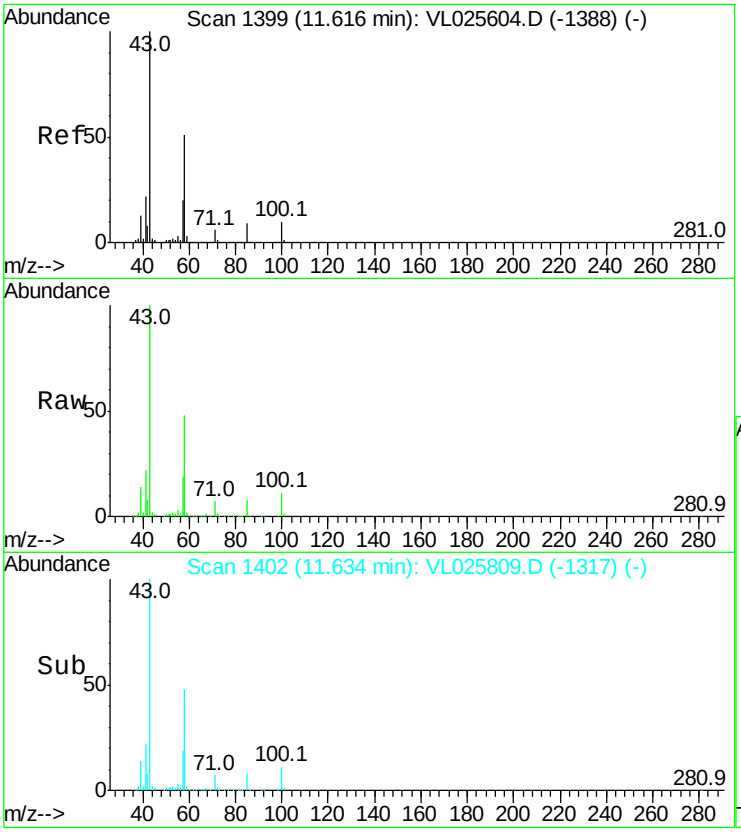


#50
4-Methyl-2-Pentanone
Concen: 9.82 ppbv
RT: 10.11 min Scan# 1152
Delta R.T. 0.02 min
Lab File: VL025809.D
Acq: 31 Jul 2015 12:00

Tgt Ion: 43 Resp: 1370436

Ion	Ratio	Lower	Upper
43	100		
58	35.5	28.5	42.7



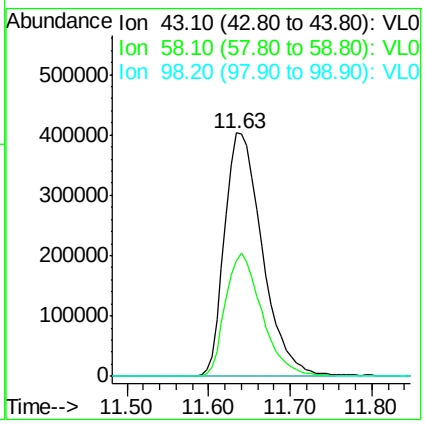


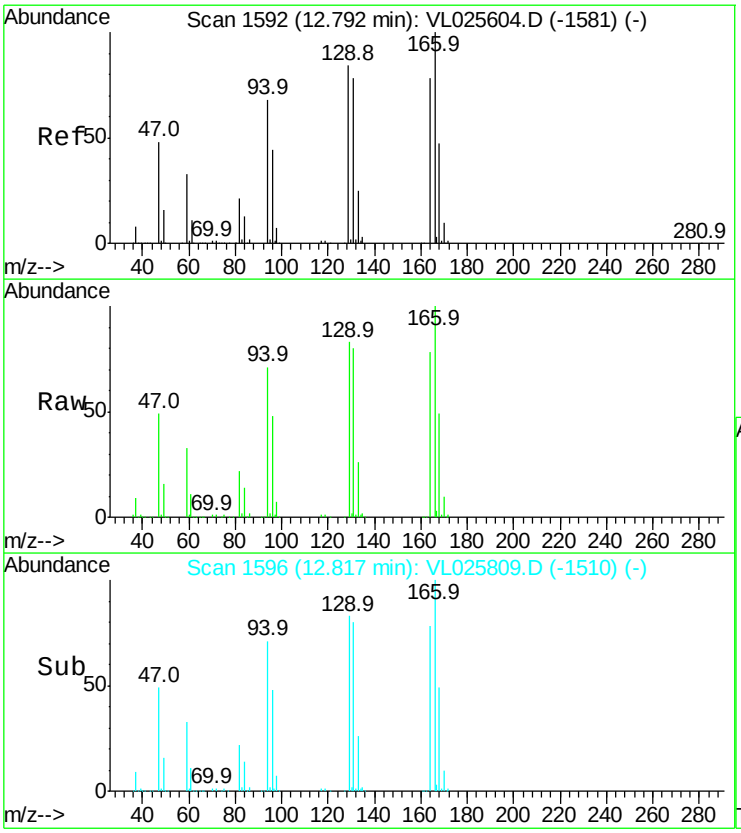
#51
2-Hexanone
Concen: 10.35 ppbv
RT: 11.63 min Scan# 1402
Delta R.T. 0.02 min
Lab File: VL025809.D
Acq: 31 Jul 2015 12:00

Instrument : MSVOA_L
ClientSampleId : VL0731ABS02

Tgt Ion: 43 Resp: 1295783

Ion	Ratio	Lower	Upper
43	100		
58	48.9	39.0	58.6
98	0.4	0.2	0.4#

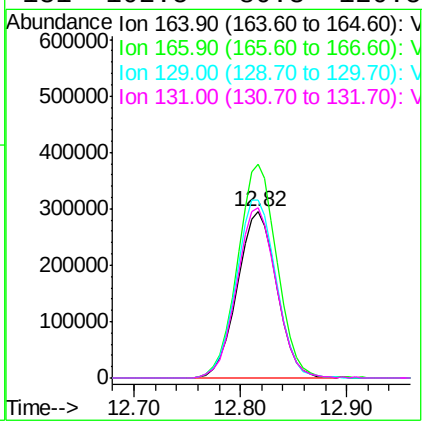


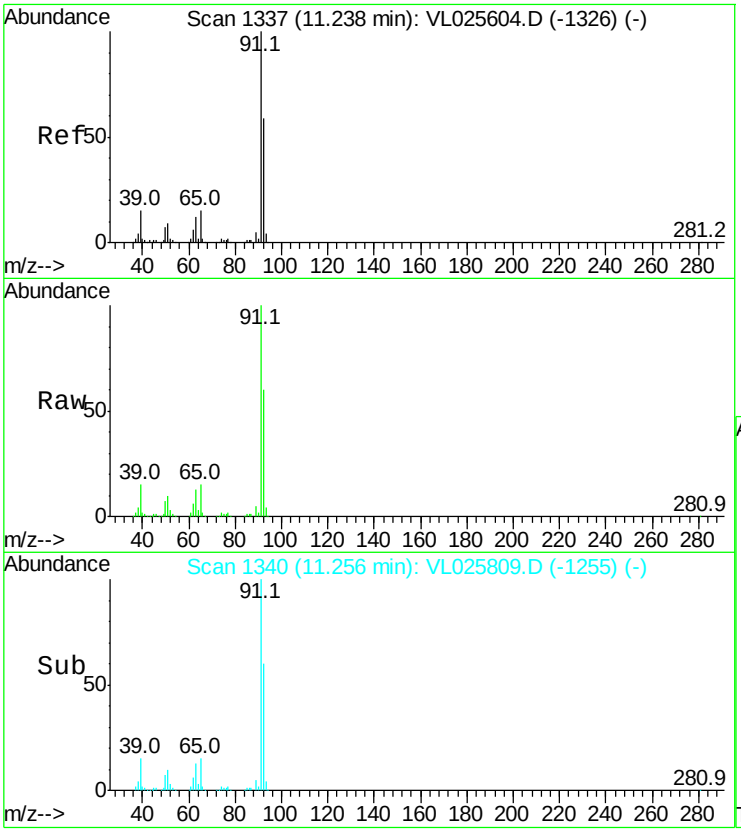


#52
Tetrachloroethene
Concen: 9.34 ppbv
RT: 12.82 min Scan# 1596
Delta R.T. 0.02 min
Lab File: VL025809.D
Acq: 31 Jul 2015 12:00

Tgt Ion:164 Resp: 765764

Ion	Ratio	Lower	Upper
164	100		
166	128.6	102.3	153.5
129	107.1	86.2	129.4
131	102.5	80.3	120.5



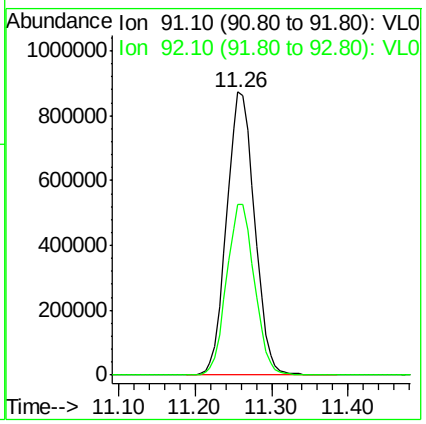


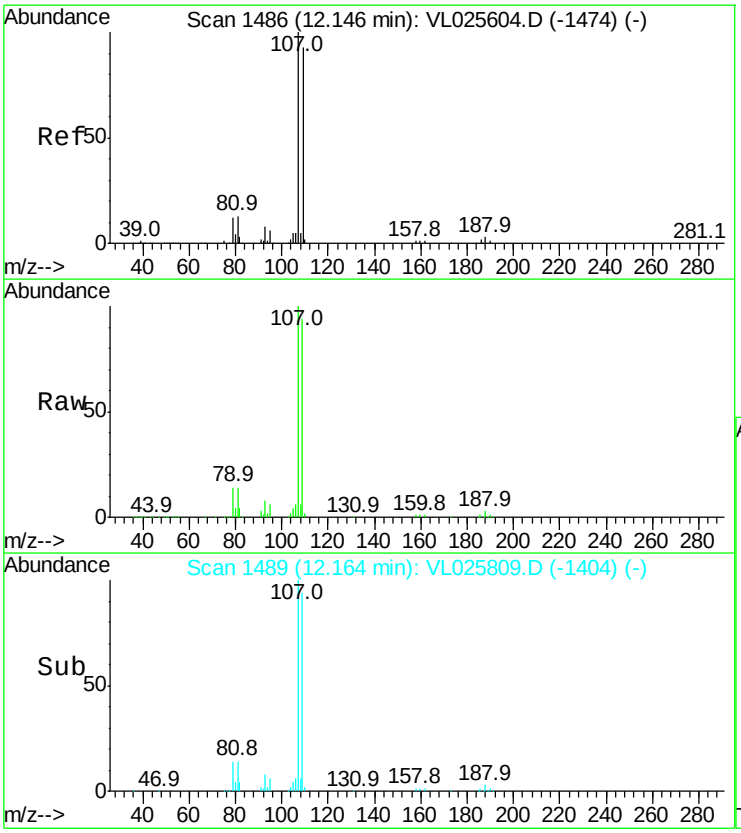
#53
Toluene
Concen: 9.62 ppbv
RT: 11.26 min Scan# 1340
Delta R.T. 0.02 min
Lab File: VL025809.D
Acq: 31 Jul 2015 12:00

Instrument :
MSVOA_L
ClientSampleId :
VL0731ABS02

Tgt Ion: 91 Resp: 2209683

Ion	Ratio	Lower	Upper
91	100		
92	60.2	48.2	72.2

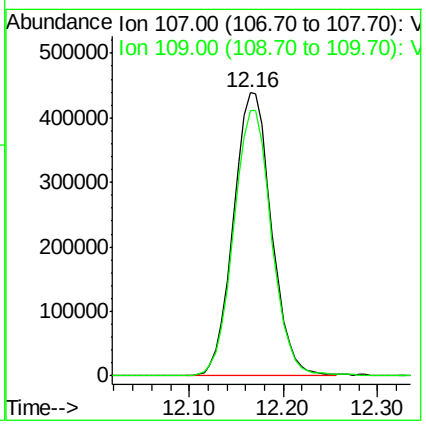


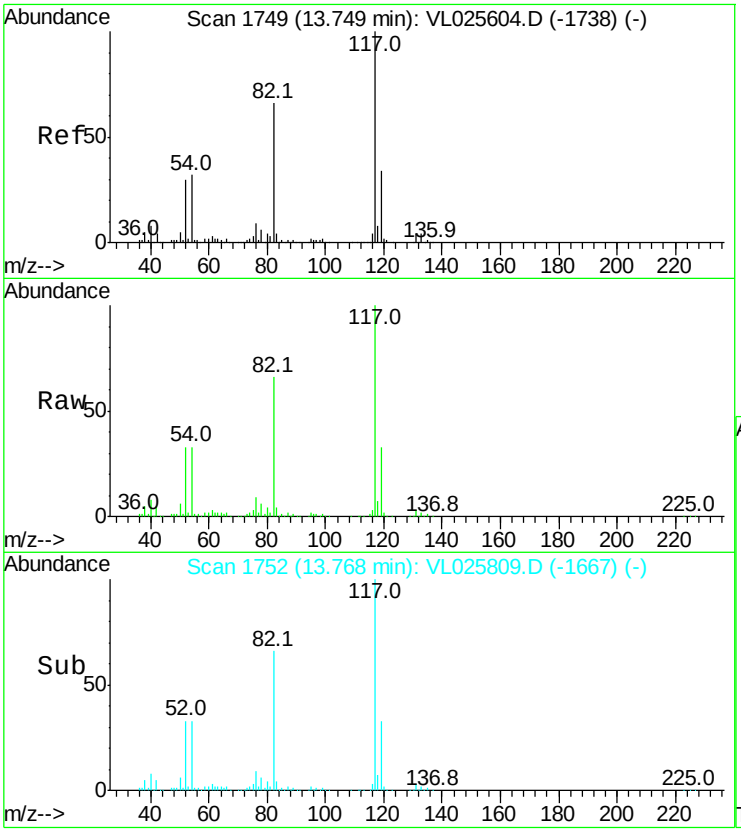


#54
1,2-Dibromoethane
Concen: 9.11 ppbv
RT: 12.16 min Scan# 1489
Delta R.T. 0.02 min
Lab File: VL025809.D
Acq: 31 Jul 2015 12:00

Tgt Ion:107 Resp: 1238545

Ion	Ratio	Lower	Upper
107	100		
109	93.6	74.1	111.1



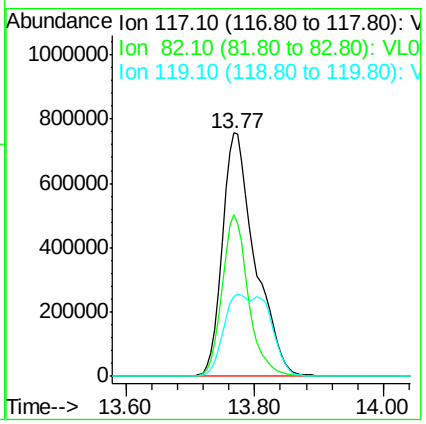


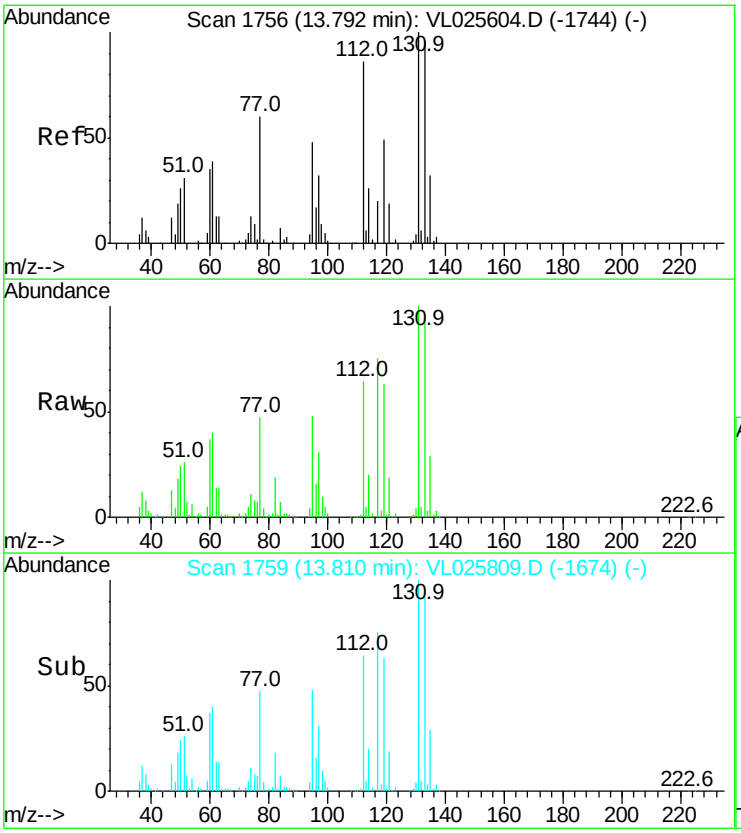
#55
Chlorobenzene-d5
Concen: 10.00 ppbv
RT: 13.77 min Scan# 1752
Delta R.T. 0.02 min
Lab File: VL025809.D
Acq: 31 Jul 2015 12:00

Instrument : MSVOA_L
ClientSampleId : VL0731ABS02

Tgt Ion:117 Resp: 2682271

Ion	Ratio	Lower	Upper
117	100		
82	53.9	50.5	75.7
119	47.7	45.1	67.7

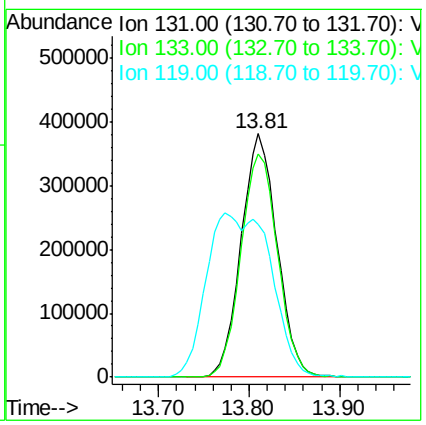


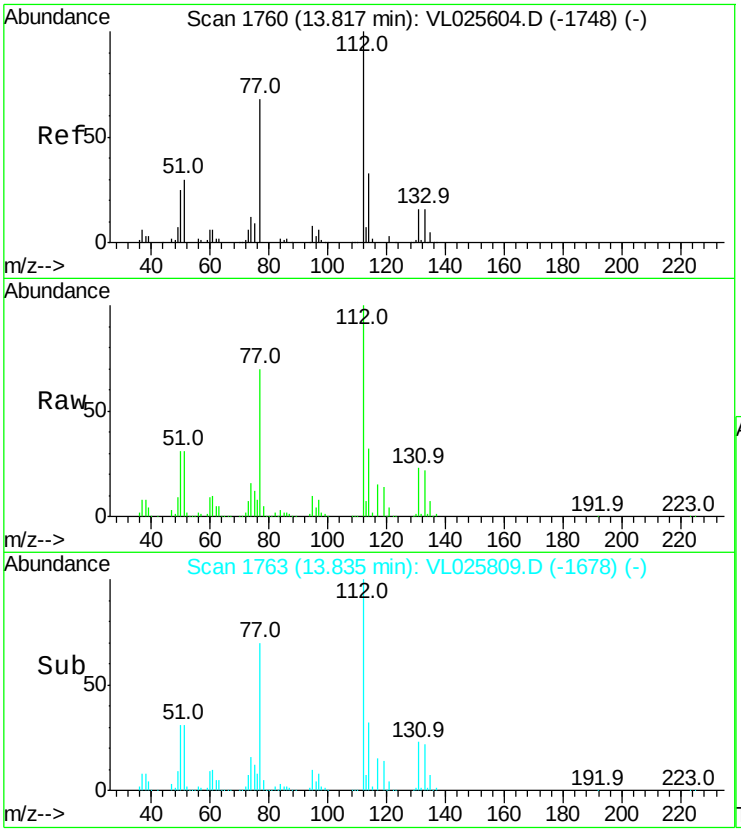


#56
1,1,1,2-Tetrachloroethane
Concen: 7.21 ppbv
RT: 13.81 min Scan# 1759
Delta R.T. 0.02 min
Lab File: VL025809.D
Acq: 31 Jul 2015 12:00

Tgt Ion:131 Resp: 1046042

Ion	Ratio	Lower	Upper
131	100		
133	94.4	76.9	115.3
119	122.3	97.8	146.8



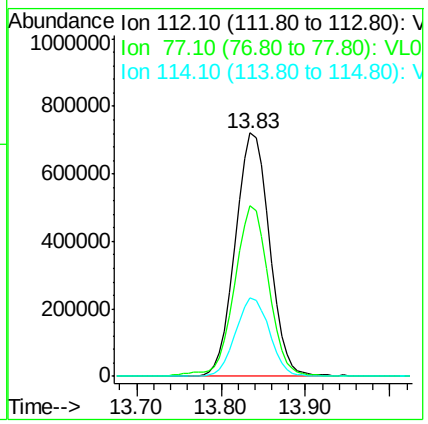


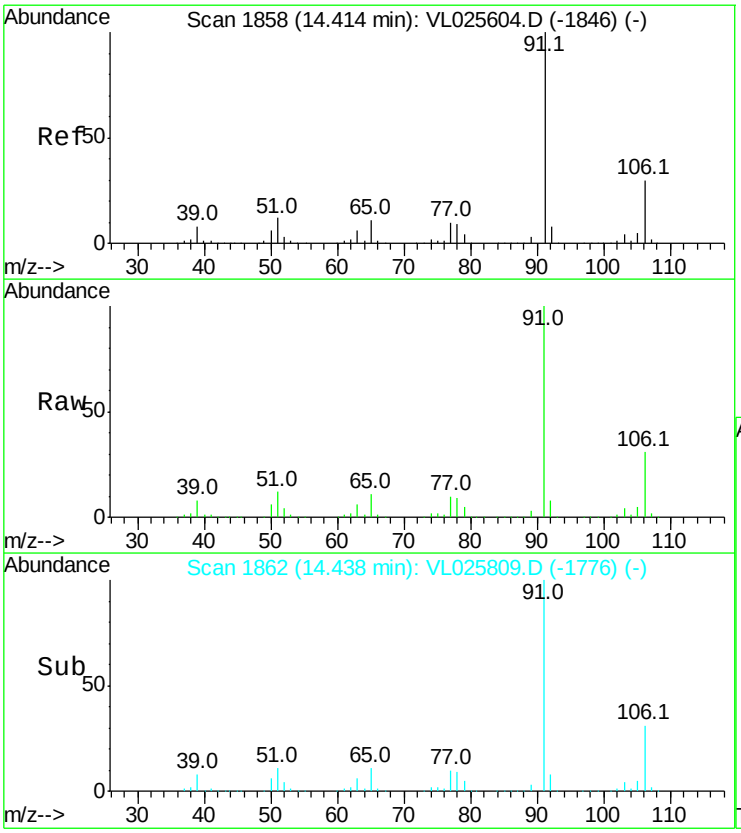
#57
Chlorobenzene
Concen: 6.95 ppbv
RT: 13.83 min Scan# 1763
Delta R.T. 0.02 min
Lab File: VL025809.D
Acq: 31 Jul 2015 12:00

Instrument : MSVOA_L
ClientSampleId : VL0731ABS02

Tgt Ion:112 Resp: 1984267

Ion	Ratio	Lower	Upper
112	100		
77	69.7	55.2	82.8
114	32.2	29.4	36.0

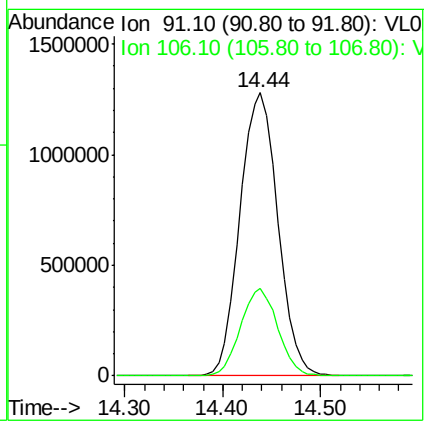


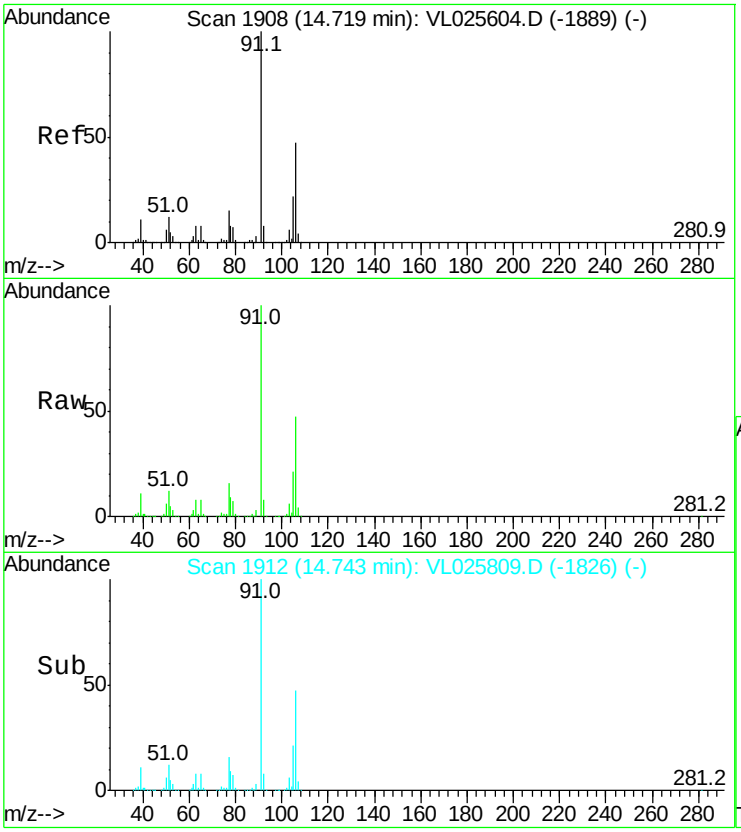


#58
Ethyl Benzene
Concen: 7.81 ppbv
RT: 14.44 min Scan# 1862
Delta R.T. 0.02 min
Lab File: VL025809.D
Acq: 31 Jul 2015 12:00

Tgt Ion: 91 Resp: 3459197

Ion	Ratio	Lower	Upper
91	100		
106	30.8	24.2	36.2



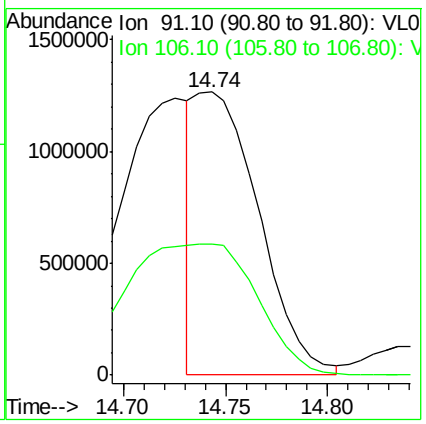


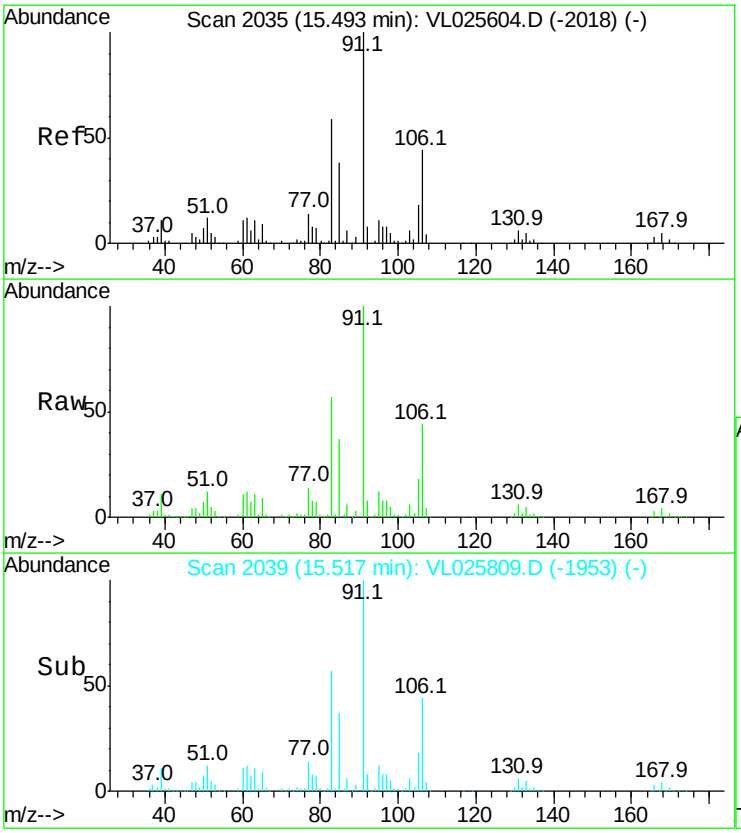
#59
m/p-Xylene
Concen: 7.02 ppbv
RT: 14.74 min Scan# 1912
Delta R.T. 0.02 min
Lab File: VL025809.D
Acq: 31 Jul 2015 12:00

Instrument : MSVOA_L
ClientSampleId : VL0731ABS02

Tgt Ion: 91 Resp: 2731289

Ion	Ratio	Lower	Upper
91	100		
106	97.1	37.9	56.9#

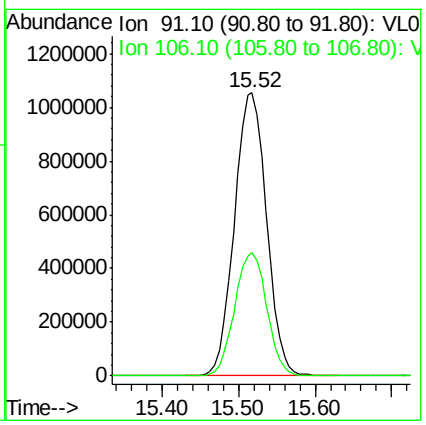


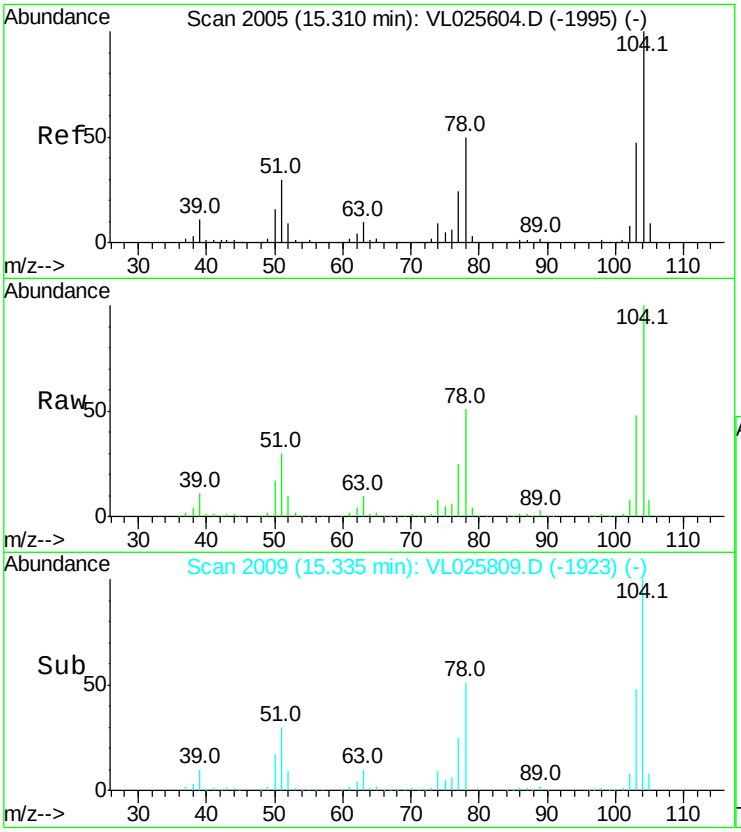


#60
o-Xylene
Concen: 7.32 ppbv
RT: 15.52 min Scan# 2039
Delta R.T. 0.02 min
Lab File: VL025809.D
Acq: 31 Jul 2015 12:00

Tgt Ion: 91 Resp: 3069008

Ion	Ratio	Lower	Upper
91	100		
106	43.6	22.1	66.1



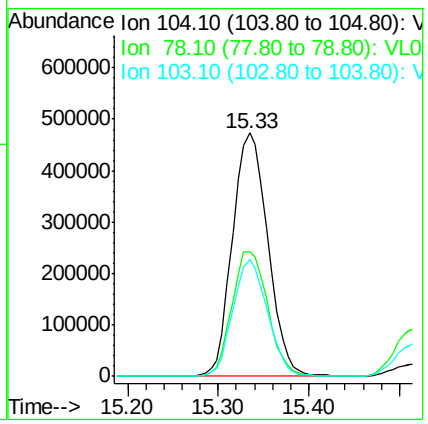


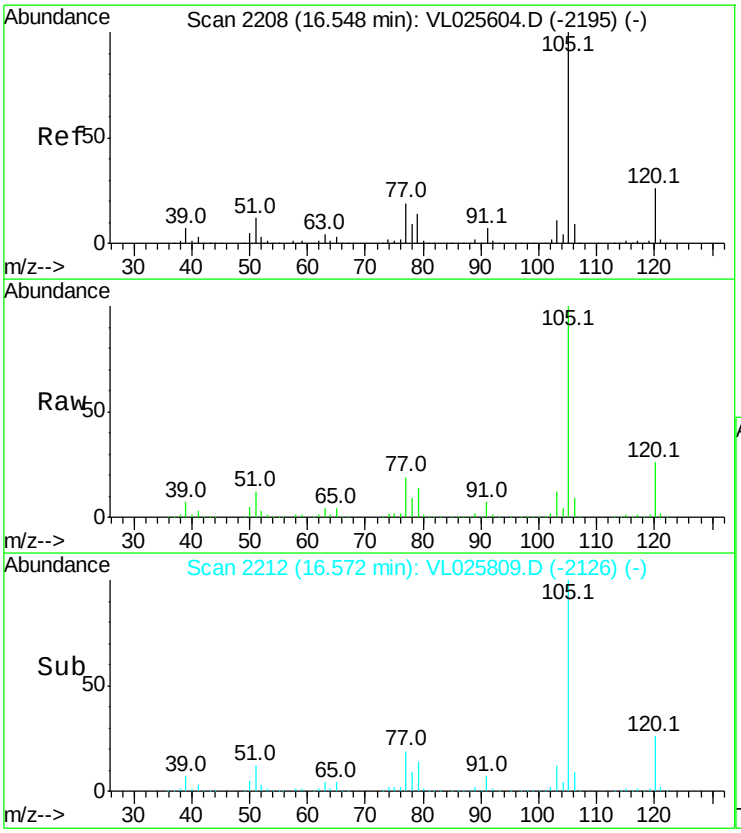
#61
Styrene
Concen: 8.76 ppbv
RT: 15.33 min Scan# 2009
Delta R.T. 0.02 min
Lab File: VL025809.D
Acq: 31 Jul 2015 12:00

Instrument : MSVOA_L
ClientSampleId : VL0731ABS02

Tgt Ion:104 Resp: 1286191

Ion	Ratio	Lower	Upper
104	100		
78	52.0	40.2	60.4
103	46.9	37.4	56.2

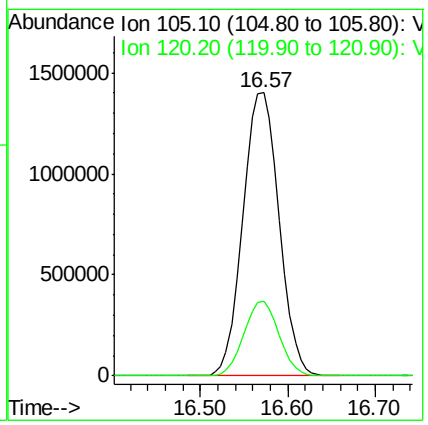


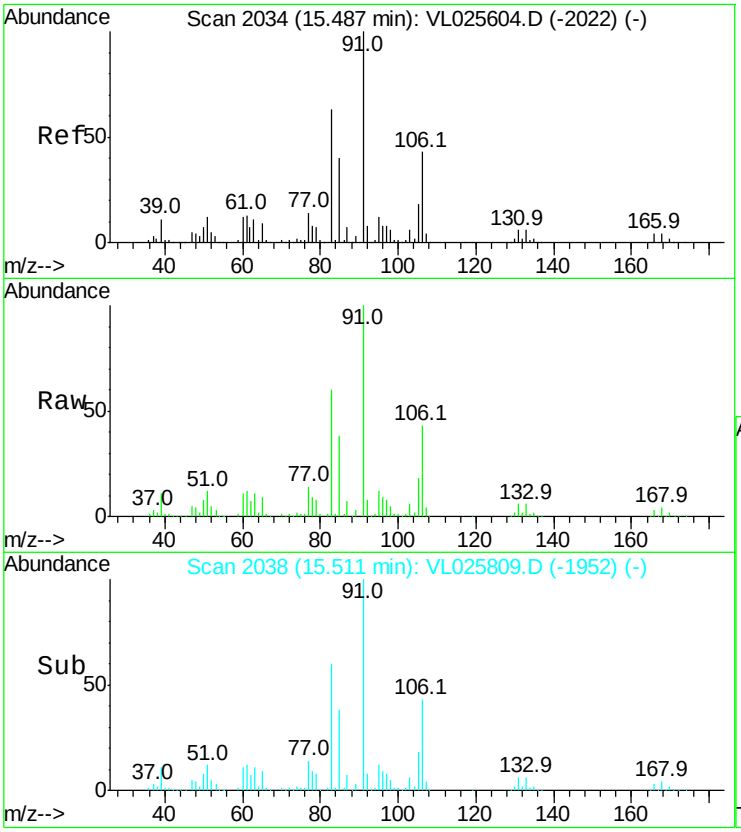


#62
Isopropylbenzene
Concen: 7.34 ppbv
RT: 16.57 min Scan# 2212
Delta R.T. 0.02 min
Lab File: VL025809.D
Acq: 31 Jul 2015 12:00

Tgt Ion:105 Resp: 4024765

Ion	Ratio	Lower	Upper
105	100		
120	25.7	20.6	31.0



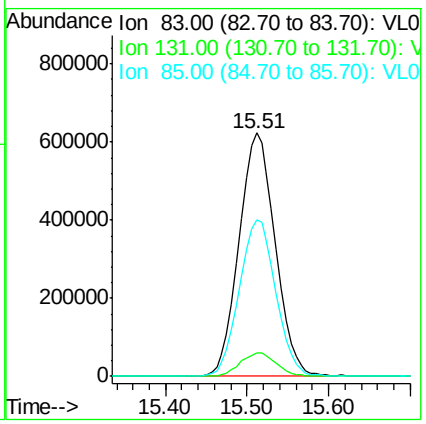


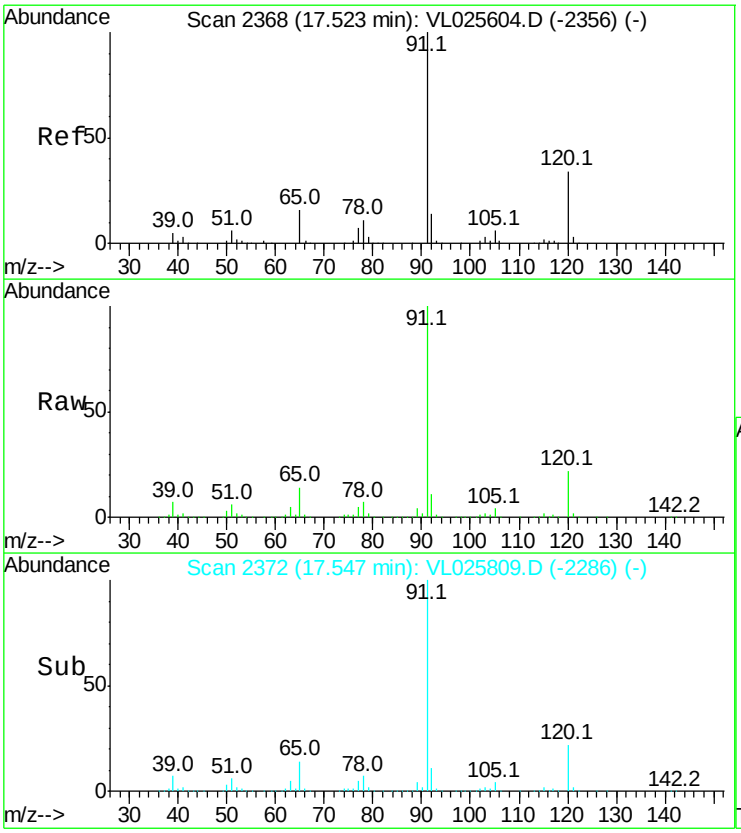
#63
1,1,2,2-Tetrachloroethane
Concen: 6.77 ppbv
RT: 15.51 min Scan# 2038
Delta R.T. 0.02 min
Lab File: VL025809.D
Acq: 31 Jul 2015 12:00

Instrument : MSVOA_L
ClientSampleId : VL0731ABS02

Tgt Ion: 83 Resp: 1918809

Ion	Ratio	Lower	Upper
83	100		
131	9.8	4.8	14.4
85	65.2	32.4	97.2

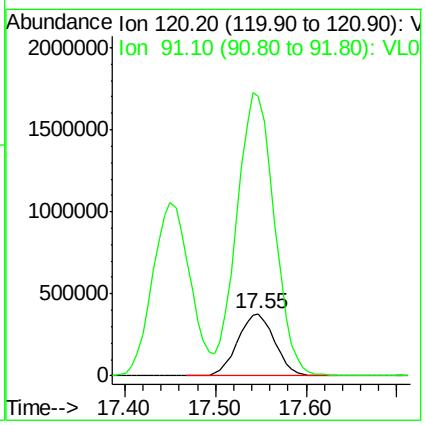


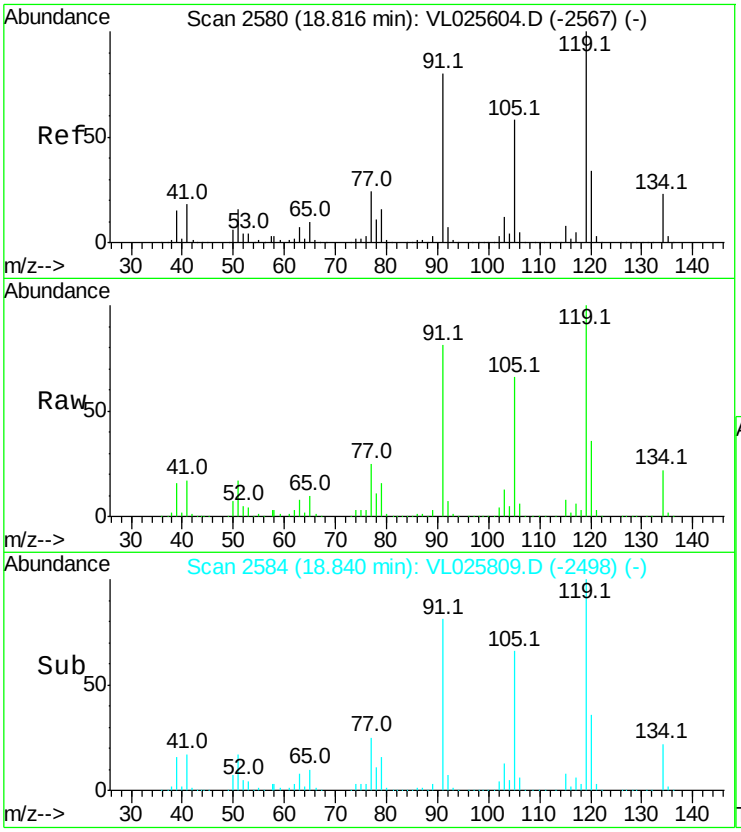


#64
n-propylbenzene
Concen: 7.21 ppbv
RT: 17.55 min Scan# 2372
Delta R.T. 0.02 min
Lab File: VL025809.D
Acq: 31 Jul 2015 12:00

Tgt Ion:120 Resp: 1067736

Ion	Ratio	Lower	Upper
120	100		
91	455.6	370.5	555.7



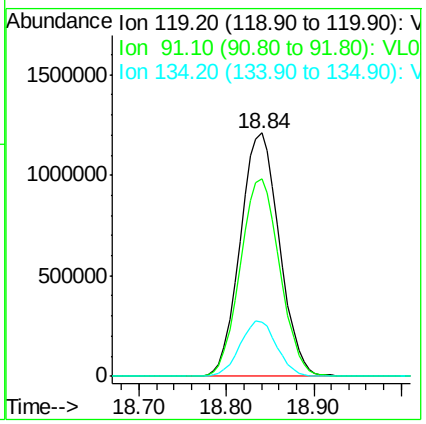


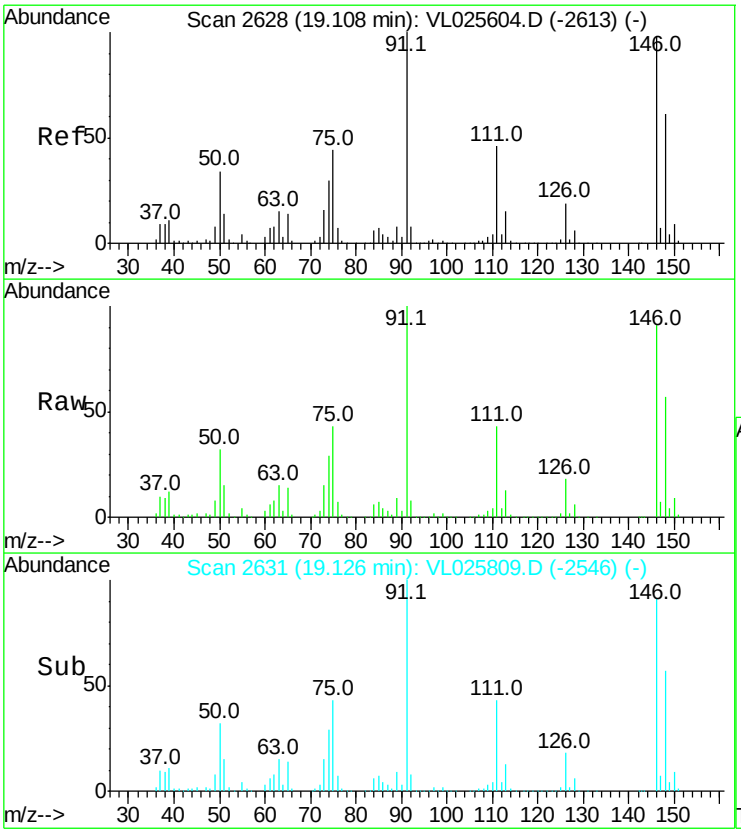
#65
tert-Butylbenzene
Concen: 6.99 ppbv
RT: 18.84 min Scan# 2584
Delta R.T. 0.02 min
Lab File: VL025809.D
Acq: 31 Jul 2015 12:00

Instrument : MSVOA_L
ClientSampleId : VL0731ABS02

Tgt Ion:119 Resp: 3759720

Ion	Ratio	Lower	Upper
119	100		
91	82.0	64.5	96.7
134	21.4	17.4	26.0

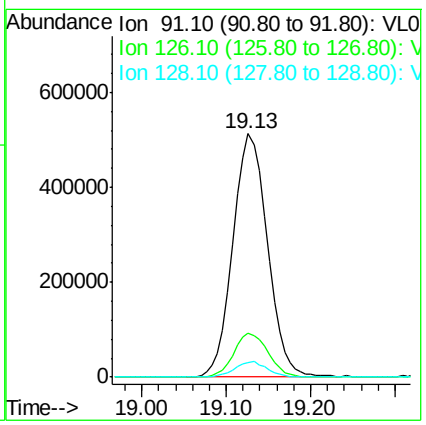


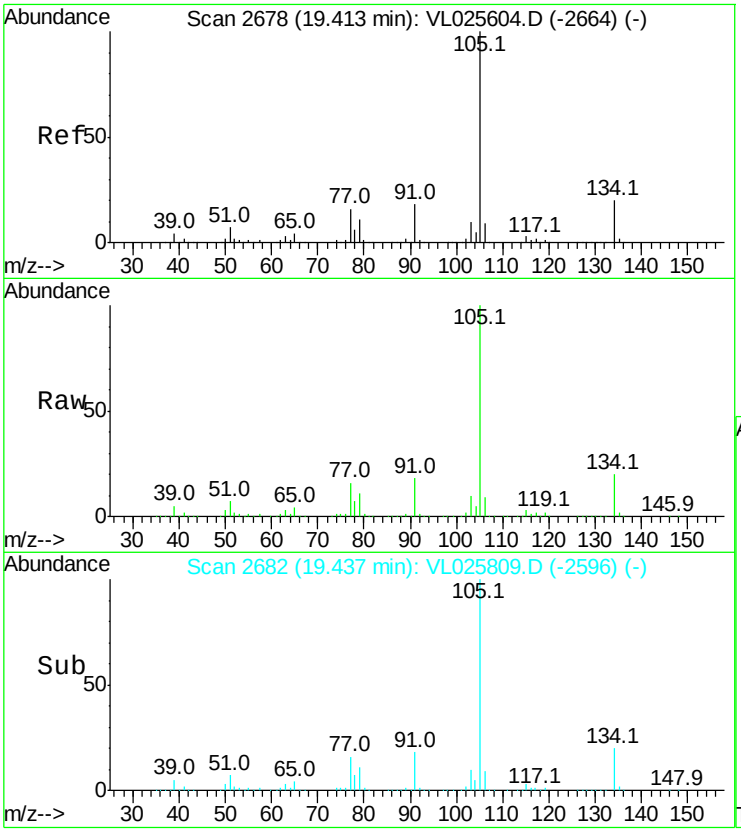


#66
Benzyl Chloride
Concen: 7.21 ppbv
RT: 19.13 min Scan# 2631
Delta R.T. 0.02 min
Lab File: VL025809.D
Acq: 31 Jul 2015 12:00

Tgt Ion: 91 Resp: 1423689

Ion	Ratio	Lower	Upper
91	100		
126	17.9	14.5	21.7
128	5.8	4.6	7.0



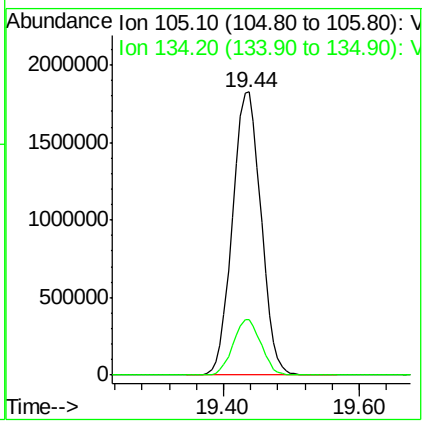


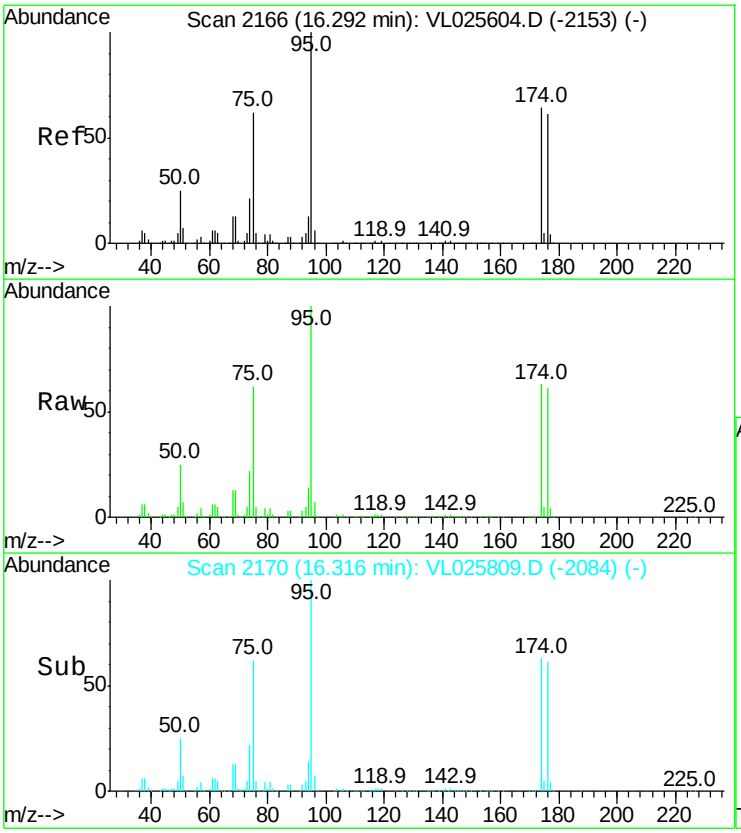
#67
sec-Butylbenzene
Concen: 7.05 ppbv
RT: 19.44 min Scan# 2682
Delta R.T. 0.02 min
Lab File: VL025809.D
Acq: 31 Jul 2015 12:00

Instrument : MSVOA_L
ClientSampleId : VL0731ABS02

Tgt Ion:105 Resp: 5315574

Ion	Ratio	Lower	Upper
105	100		
134	19.3	15.4	23.2

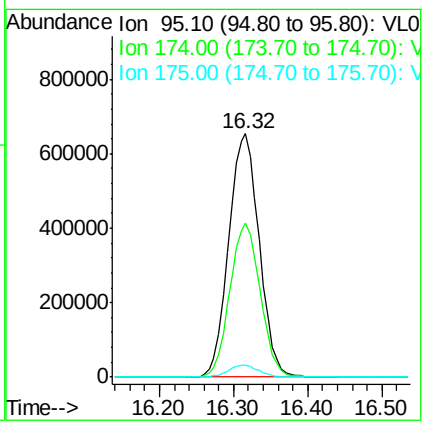


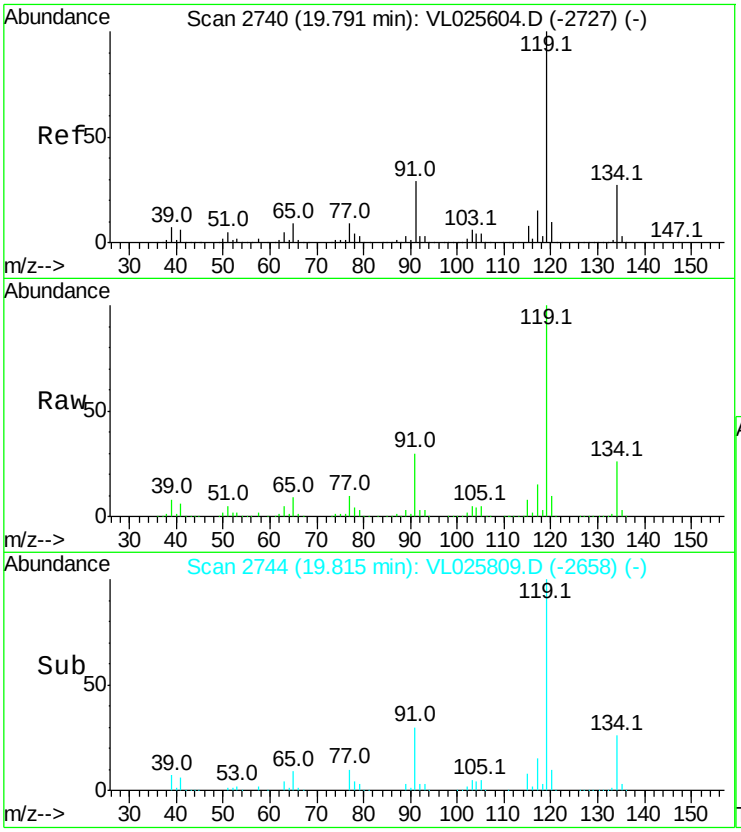


#68
1-Bromo-4-Fluorobenzene
Concen: 8.30 ppbv
RT: 16.32 min Scan# 2170
Delta R.T. 0.02 min
Lab File: VL025809.D
Acq: 31 Jul 2015 12:00

Tgt Ion: 95 Resp: 1877314

Ion	Ratio	Lower	Upper
95	100		
174	63.0	52.0	78.0
175	4.9	3.9	5.9



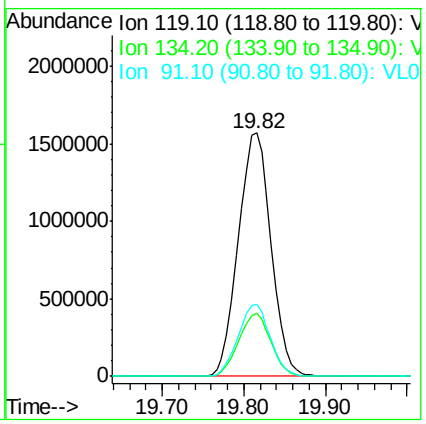


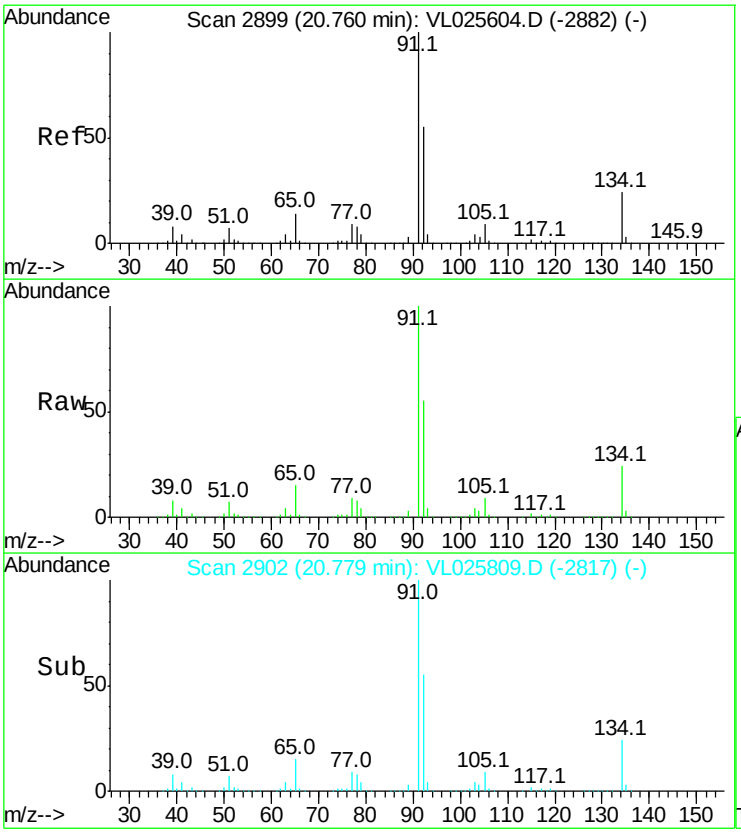
#69
p-Isopropyltoluene
Concen: 7.04 ppbv
RT: 19.82 min Scan# 2744
Delta R.T. 0.02 min
Lab File: VL025809.D
Acq: 31 Jul 2015 12:00

Instrument : MSVOA_L
ClientSampleId : VL0731ABS02

Tgt Ion:119 Resp: 4376234

Ion	Ratio	Lower	Upper
119	100		
134	25.5	20.7	31.1
91	29.0	22.6	34.0

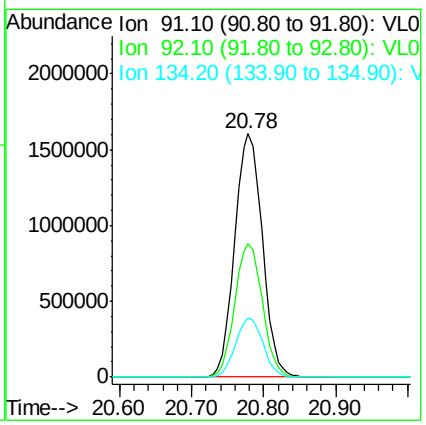


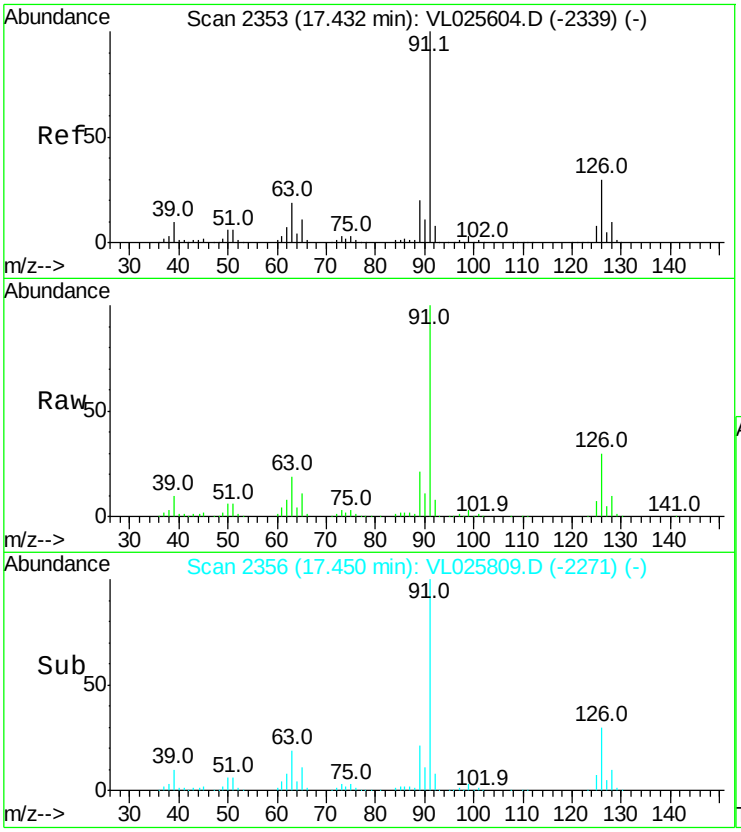


#70
n-Butylbenzene
Concen: 6.80 ppbv
RT: 20.78 min Scan# 2902
Delta R.T. 0.02 min
Lab File: VL025809.D
Acq: 31 Jul 2015 12:00

Tgt Ion: 91 Resp: 4286652

Ion	Ratio	Lower	Upper
91	100		
92	54.5	44.3	66.5
134	24.1	19.4	29.2



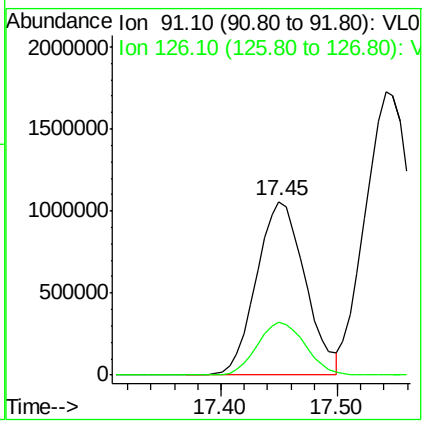


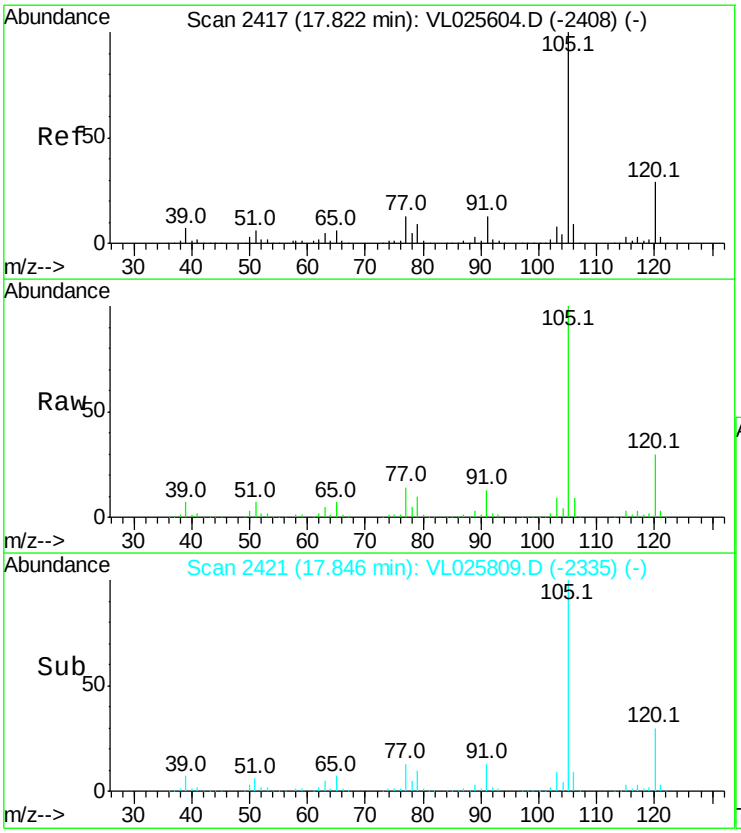
#71
2-Chlorotoluene
Concen: 7.64 ppbv
RT: 17.45 min Scan# 2356
Delta R.T. 0.02 min
Lab File: VL025809.D
Acq: 31 Jul 2015 12:00

Instrument : MSVOA_L
ClientSampleId : VL0731ABS02

Tgt Ion: 91 Resp: 3072668

Ion	Ratio	Lower	Upper
91	100		
126	30.3	12.2	49.0

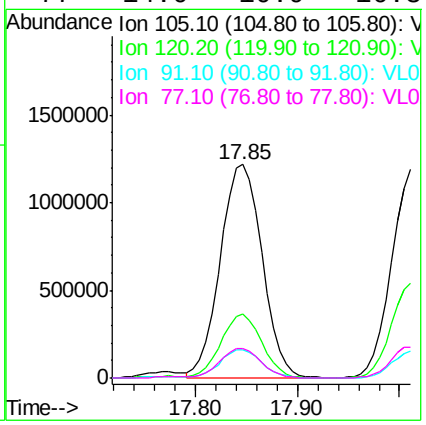


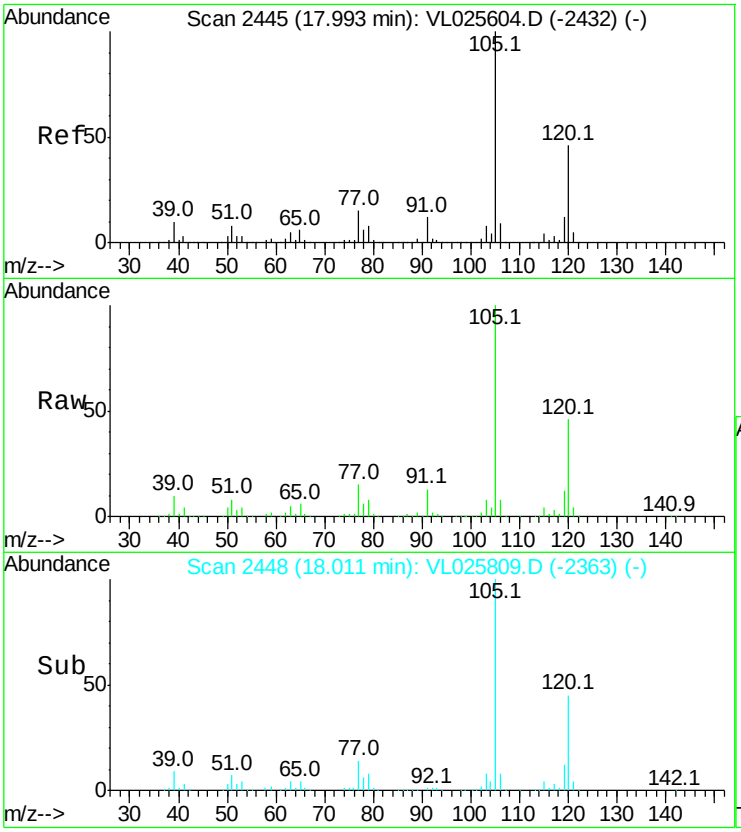


#72
4-Ethyltoluene
Concen: 7.49 ppbv
RT: 17.85 min Scan# 2421
Delta R.T. 0.02 min
Lab File: VL025809.D
Acq: 31 Jul 2015 12:00

Tgt Ion:105 Resp: 3470482

Ion	Ratio	Lower	Upper
105	100		
120	30.0	23.9	35.9
91	13.6	10.3	15.5
77	14.0	10.9	16.3



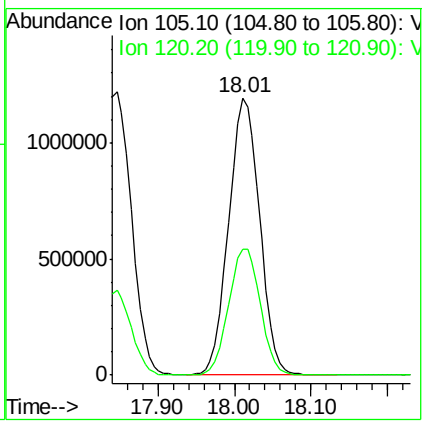


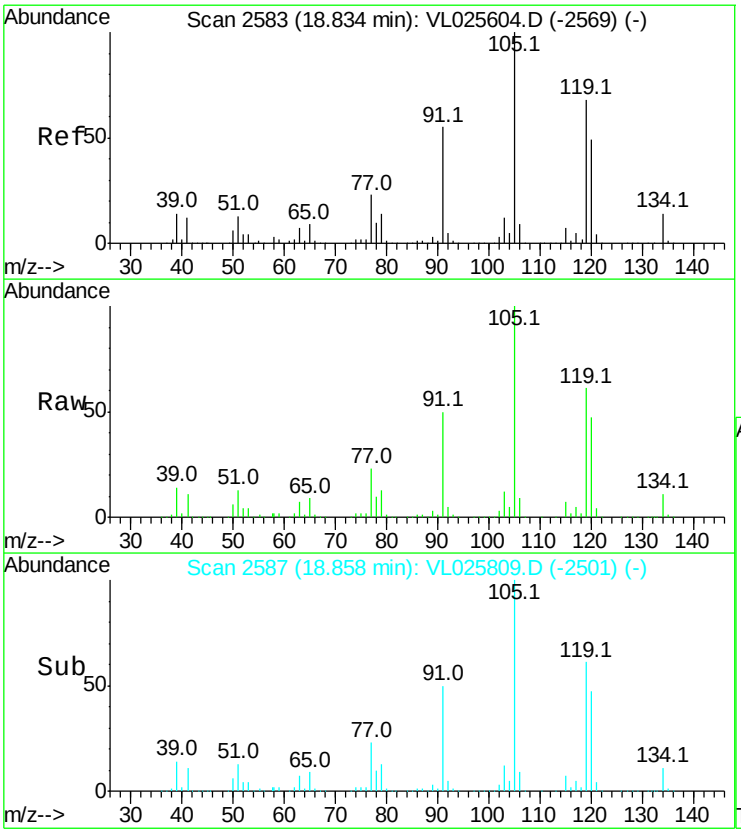
#73
1,3,5-Trimethylbenzene
Concen: 7.33 ppbv
RT: 18.01 min Scan# 2448
Delta R.T. 0.02 min
Lab File: VL025809.D
Acq: 31 Jul 2015 12:00

Instrument :
MSVOA_L
ClientSampleId :
VL0731ABS02

Tgt Ion:105 Resp: 3340046

Ion	Ratio	Lower	Upper
105	100		
120	45.5	37.0	55.4

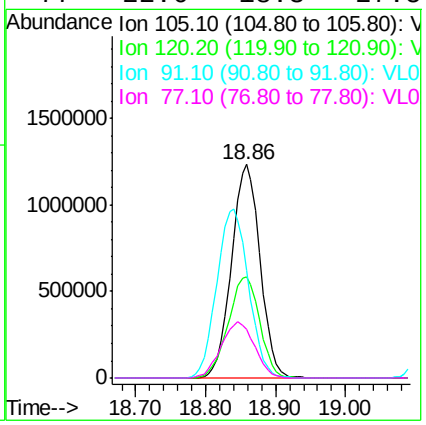


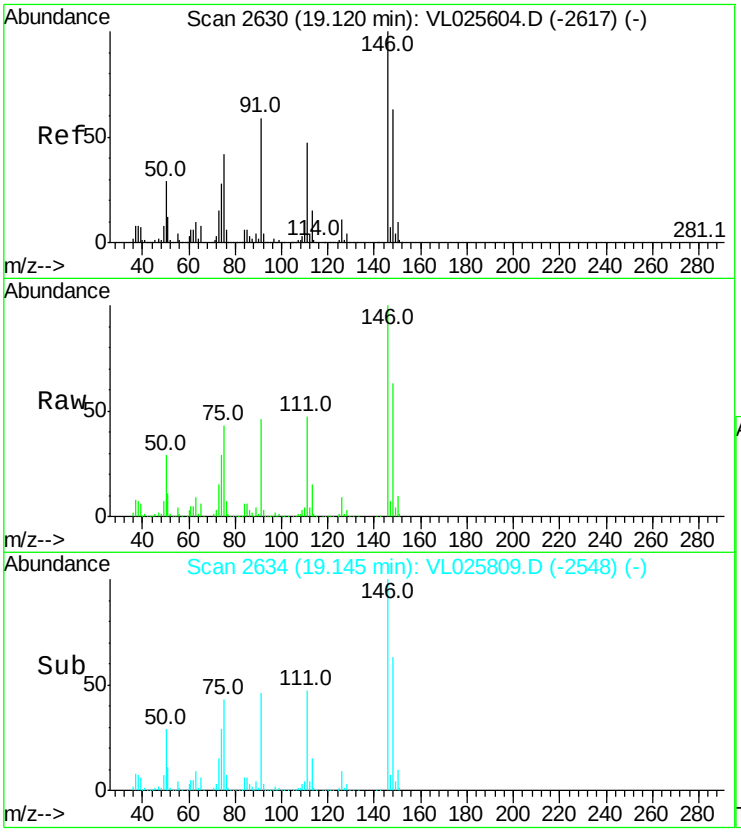


#74
1,2,4-Trimethylbenzene
Concen: 6.86 ppbv
RT: 18.86 min Scan# 2587
Delta R.T. 0.02 min
Lab File: VL025809.D
Acq: 31 Jul 2015 12:00

Tgt Ion:105 Resp: 3500099

Ion	Ratio	Lower	Upper
105	100		
120	47.2	39.3	58.9
91	50.3	43.8	65.6
77	22.6	18.3	27.5



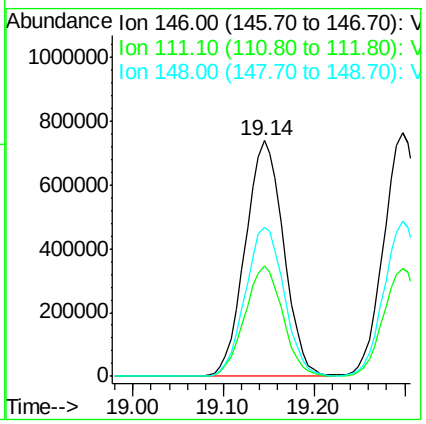


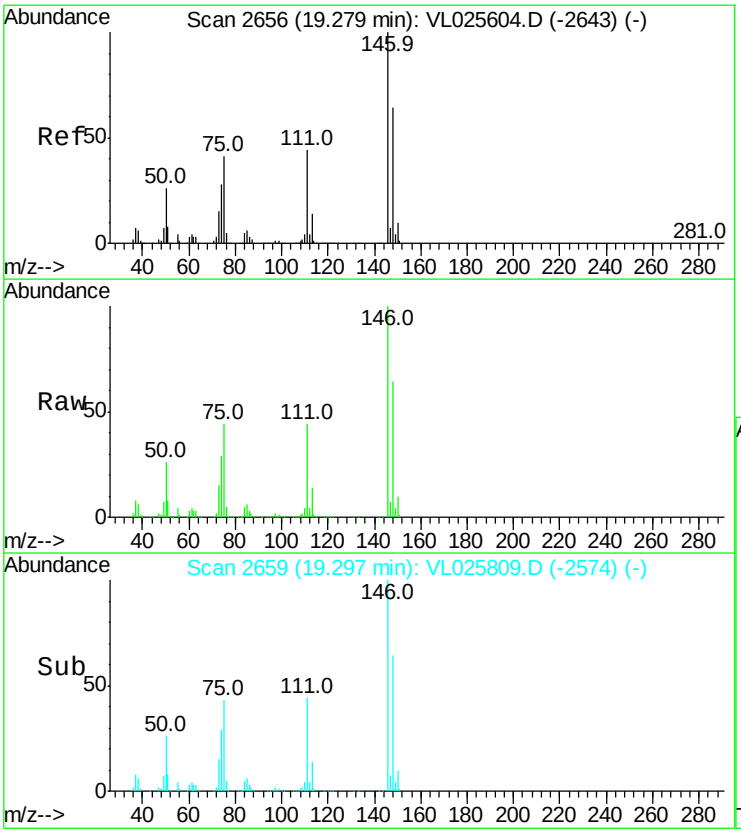
#75
1,3-Dichlorobenzene
Concen: 6.52 ppbv
RT: 19.14 min Scan# 2634
Delta R.T. 0.02 min
Lab File: VL025809.D
Acq: 31 Jul 2015 12:00

Instrument : MSVOA_L
ClientSampleId : VL0731ABS02

Tgt Ion:146 Resp: 2167042

Ion	Ratio	Lower	Upper
146	100		
111	46.3	22.7	68.1
148	64.1	31.8	95.3

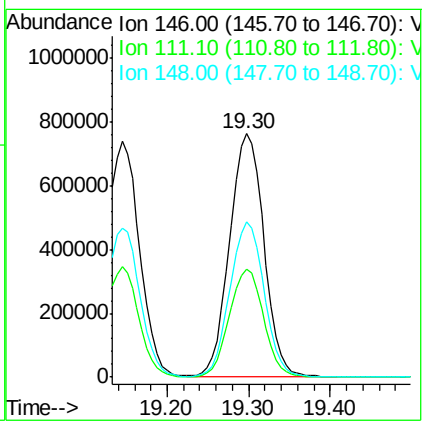


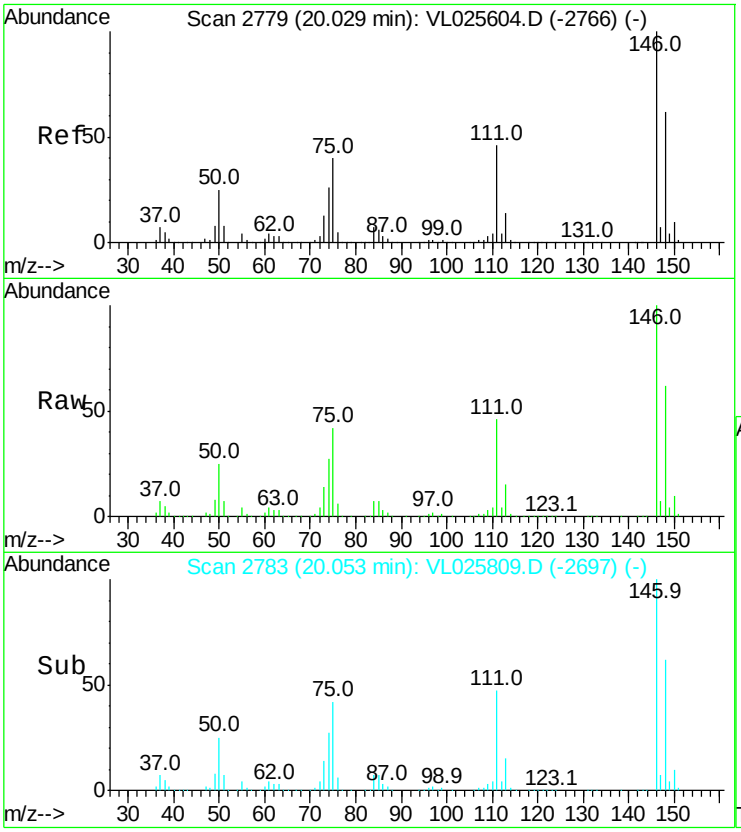


#76
1,4-Dichlorobenzene
Concen: 6.67 ppbv
RT: 19.30 min Scan# 2659
Delta R.T. 0.02 min
Lab File: VL025809.D
Acq: 31 Jul 2015 12:00

Tgt Ion:146 Resp: 2220530

Ion	Ratio	Lower	Upper
146	100		
111	44.4	22.1	66.1
148	64.2	31.9	95.9



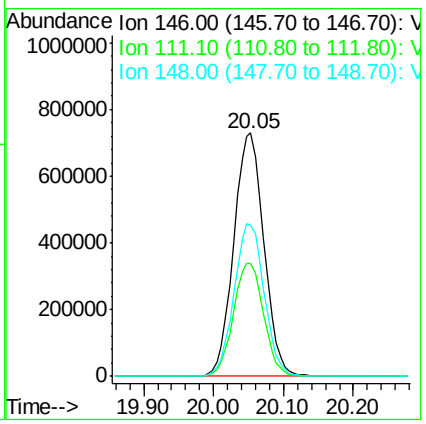


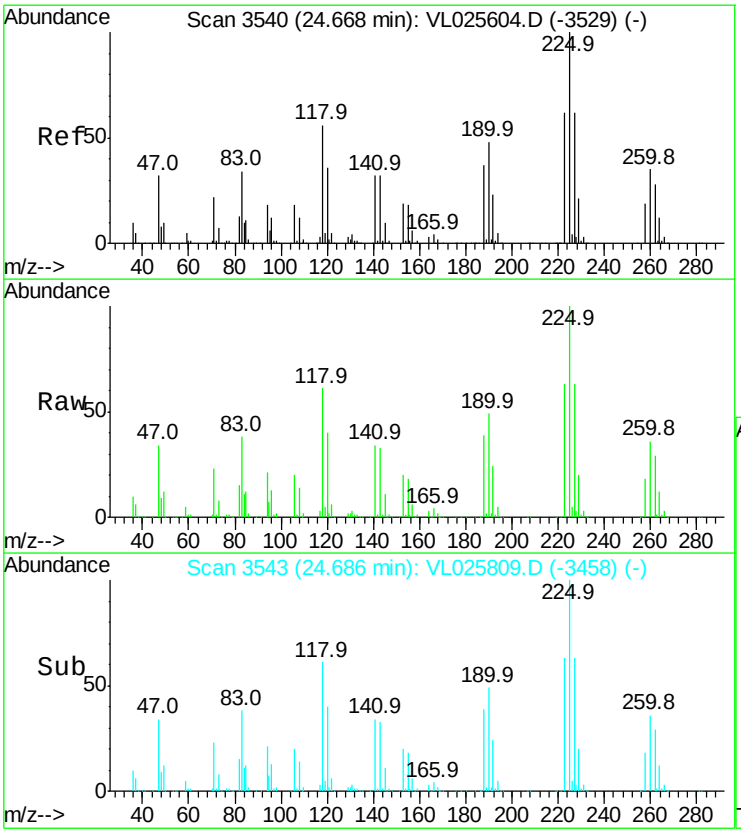
#77
1,2-Dichlorobenzene
Concen: 6.62 ppbv
RT: 20.05 min Scan# 2783
Delta R.T. 0.02 min
Lab File: VL025809.D
Acq: 31 Jul 2015 12:00

Instrument : MSVOA_L
ClientSampleId : VL0731ABS02

Tgt Ion:146 Resp: 2181953

Ion	Ratio	Lower	Upper
146	100		
111	46.9	23.4	70.3
148	63.0	31.6	94.8

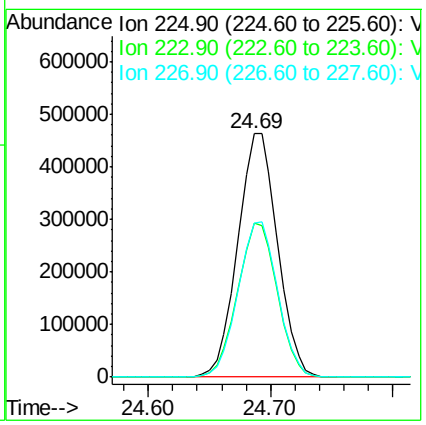


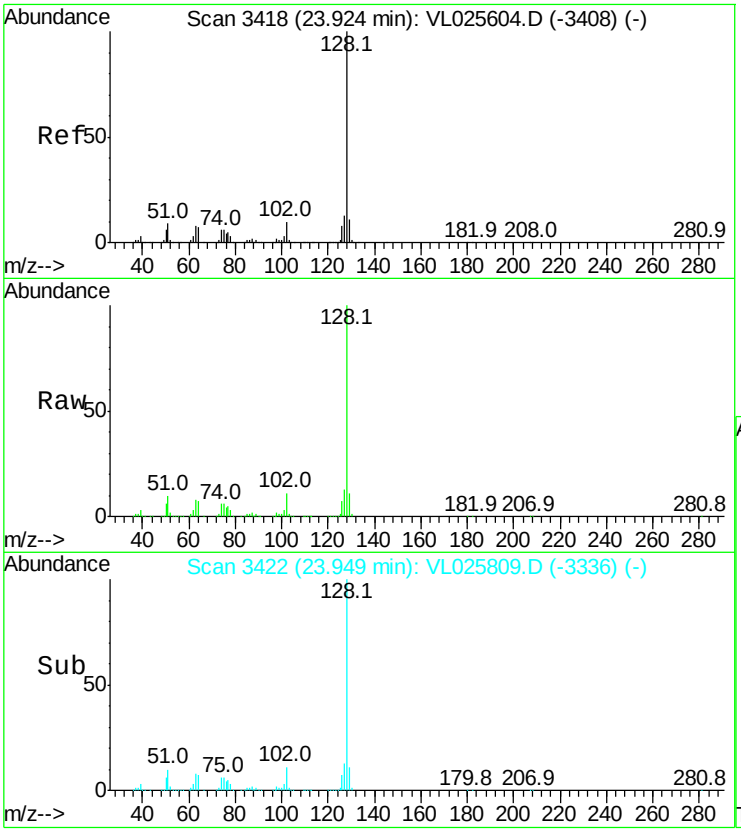


#78
Hexachloro-1,3-Butadiene
Concen: 5.16 ppbv
RT: 24.69 min Scan# 3543
Delta R.T. 0.02 min
Lab File: VL025809.D
Acq: 31 Jul 2015 12:00

Tgt Ion:225 Resp: 1047102

Ion	Ratio	Lower	Upper
225	100		
223	63.1	50.6	76.0
227	63.6	50.5	75.7



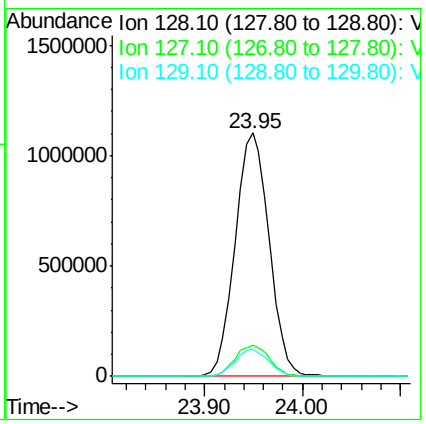


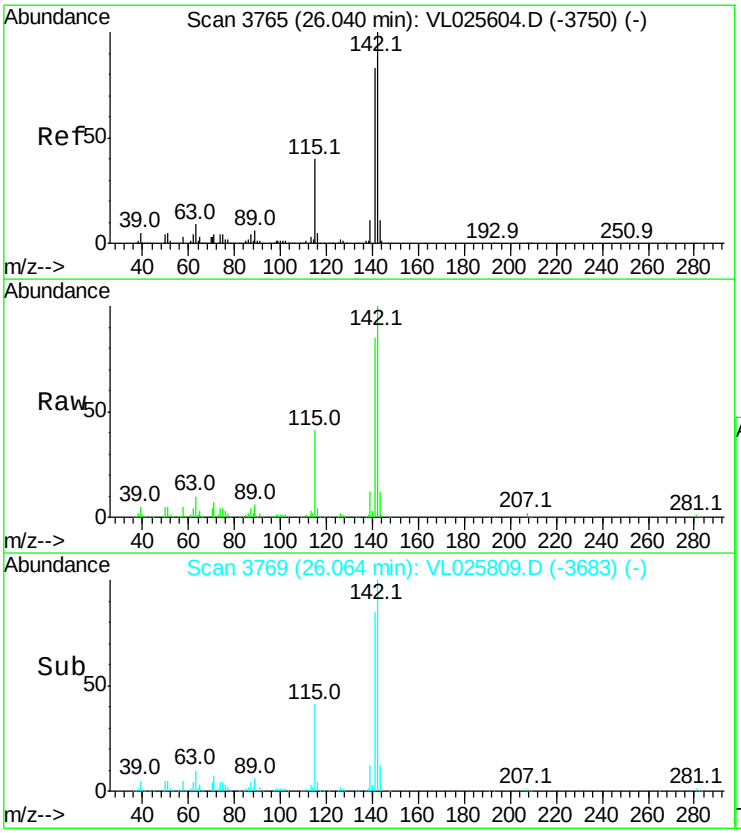
#79
Naphthalene
Concen: 5.40 ppbv
RT: 23.95 min Scan# 3422
Delta R.T. 0.02 min
Lab File: VL025809.D
Acq: 31 Jul 2015 12:00

Instrument : MSVOA_L
ClientSampleId : VL0731ABS02

Tgt Ion:128 Resp: 2662375

Ion	Ratio	Lower	Upper
128	100		
127	13.0	10.8	16.2
129	11.0	9.0	13.4

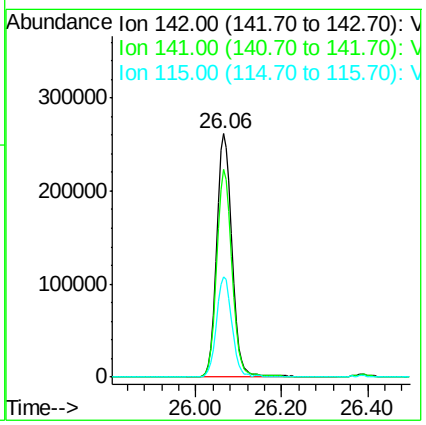


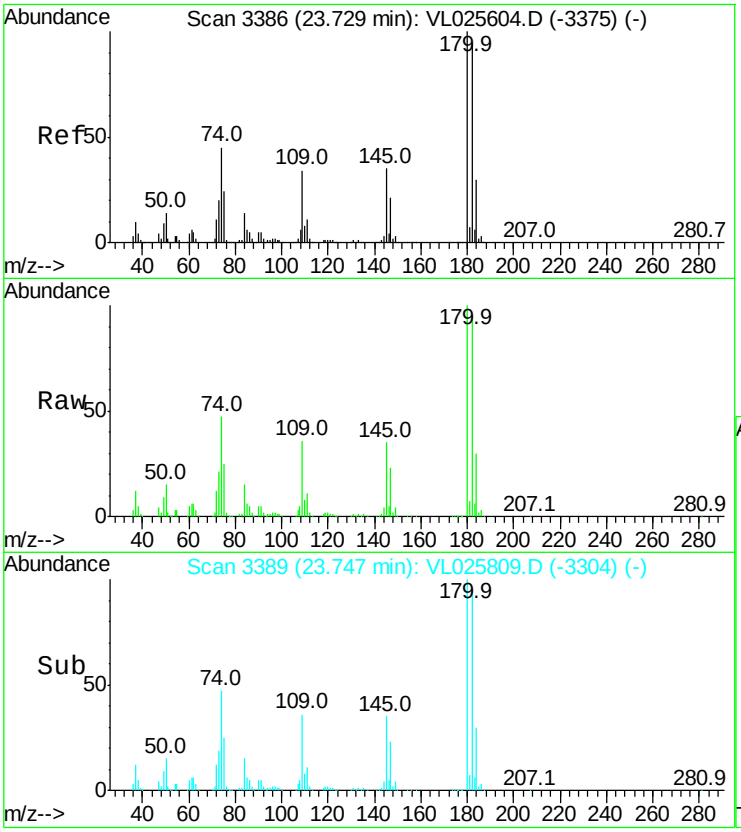


#80
Naphthalene,2-methyl-
Concen: 4.64 ppbv
RT: 26.06 min Scan# 3769
Delta R.T. 0.02 min
Lab File: VL025809.D
Acq: 31 Jul 2015 12:00

Tgt Ion:142 Resp: 664964

Ion	Ratio	Lower	Upper
142	100		
141	85.3	67.1	100.7
115	41.9	33.9	50.9





#81
1,2,4-Trichlorobenzene
Concen: 5.35 ppbv
RT: 23.75 min Scan# 3389
Delta R.T. 0.02 min
Lab File: VL025809.D
Acq: 31 Jul 2015 12:00

Instrument :
MSVOA_L
ClientSampleId :
VL0731ABS02

Tgt Ion:180 Resp: 1263644

Ion	Ratio	Lower	Upper
180	100		
182	95.9	76.1	114.1
184	30.3	24.4	36.6