Data Path : Z:\VOASRV\HPCHEM1\MSVOA_L\DATA\VL101818\

Quantitation Report (Not Reviewed)

Data File : VL032662.D
Acq On : 19 Oct 2018 00:24
Operator : SY/AP
Sample : VL1018ABS01
Misc : 400ml/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_L
ClientSampleId : VL1018ABS01

Quant Time: Oct 19 01:37:10 2018
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL101818AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LFri Oct 19 01:25:37 2018
QLast Update : Fri Oct 19 01:25:37 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
1) Bromochloromethane	5.78	49	1658643	10.00	ppbv		0.00
33) 1,4-Difluorobenzene	7.31	114	4254065	10.00	ppbv		0.00
55) Chlorobenzene-d5	12.26	117	5156175	10.00	ppbv		0.00
System Monitoring Compounds							
68) 1-Bromo-4-Fluorobenzene	14.60	95	3198947	8.33	ppbv		0.00
Spiked Amount 10.000	Range 65 - 135		Recovery = 83.30%				
Target Compounds							Qvalue
2) Dichlorodifluoromethane	3.09	85	1964182	11.623	ppbv		98
3) Chlorodifluoromethane	3.02	51	1158339	8.930	ppbv		99
4) Chloromethane	3.18	50	676407	9.331	ppbv		98
5) Vinyl Chloride	3.30	62	690055	8.789	ppbv		99
6) Bromomethane	3.53	94	439955	8.987	ppbv		93
7) Chloroethane	3.61	64	259191	8.965	ppbv		97
8) Dichlorotetrafluoroethane	3.23	85	1570848	8.819	ppbv		92
9) Propene	3.05	41	535841	10.038	ppbv		99
10) Heptane	8.26	43	2079968	10.111	ppbv		98
11) Trichlorofluoromethane	4.02	101	1927486	8.732	ppbv		99
12) 1,1,2-Trichlorotrifluoroet	4.57	101	1390411	7.574	ppbv		92
13) Ethanol	3.66	45	131635	8.628	ppbv		98
14) Bromoethene	3.80	108	549162	8.852	ppbv		100
15) Acetone	3.91	43	1165197	7.608	ppbv		100
16) 1,3-Butadiene	3.38	39	578472	10.267	ppbv		80
17) tert-Butyl alcohol	4.37	59	446008	9.901	ppbv	#	100
18) 1,1-Dichloroethene	4.36	96	752809	9.335	ppbv		95
19) Isopropyl Alcohol	4.04	45	940417	8.622	ppbv	#	98
20) Methylene Chloride	4.42	84	650411	8.366	ppbv		97
21) Allyl Chloride	4.49	41	1287140	10.235	ppbv		99
22) trans-1,2-Dichloroethene	4.98	96	750622	9.074	ppbv		88
23) Vinyl Acetate	5.17	43	2736695	10.083	ppbv		99
24) 1,1-Dichloroethane	5.11	63	1952893	9.166	ppbv		99
25) Ethyl Acetate	5.79	43	3230337	9.163	ppbv		100
26) Hexane	5.80	57	1509817	9.051	ppbv		99
27) Carbon Disulfide	4.63	76	1743474	8.616	ppbv		100
28) Methyl tert-Butyl Ether	5.13	73	2426753	10.123	ppbv		99
29) Chloroform	5.87	83	2349024	8.816	ppbv		100
30) Cyclohexane	7.26	84	1395880	10.572	ppbv		97
31) cis-1,2-Dichloroethene	5.66	61	1459045	9.433	ppbv		99
32) 1,1,1-Trichloroethane	6.64	97	2414175	8.916	ppbv		98
34) 2-Butanone	5.34	43	2231484	9.785	ppbv		99
35) Carbon Tetrachloride	7.15	117	2632140	8.718	ppbv		99
36) Benzene	7.02	78	3305096	9.567	ppbv		99
37) 1,2-Dichloroethane	6.43	62	1868036	8.816	ppbv		98
38) Trichloroethene	7.98	130	1255295	9.816	ppbv		99
39) 1,2-Dichloropropane	7.76	63	1256397	9.418	ppbv		98
40) 1,4-Dioxane	7.98	88	429126	9.419	ppbv	#	96
41) Tetrahydrofuran	6.17	42	1320991	10.395	ppbv		99
42) Bromodichloromethane	7.94	83	2673214	9.005	ppbv		98
43) Methyl Methacrylate	8.16	69	1325179	10.467	ppbv		96

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_L\DATA\VL101818\

Quantitation Report (Not Reviewed)

Data File : VL032662.D
Acq On : 19 Oct 2018 00:24
Operator : SY/AP
Sample : VL1018ABS01
Misc : 400ml/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_L
ClientSampleId : VL1018ABS01

Quant Time: Oct 19 01:37:10 2018
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL101818AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LFri Oct 19 01:25:37 2018
QLast Update : Fri Oct 19 01:25:37 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
44) 2,2,4-Trimethylpentane	8.01	57	5519814	9.360	ppbv		100
45) t-1,3-Dichloropropene	9.44	75	1907060	11.253	ppbv		100
46) cis-1,3-Dichloropropene	8.86	75	2045331	10.563	ppbv		99
47) 1,1,2-Trichloroethane	9.63	97	1446770	9.179	ppbv		99
48) Dibromochloromethane	10.47	129	2280963	8.682	ppbv		100
49) Bromoform	13.23	173	1917945	9.290	ppbv		99
50) 4-Methyl-2-Pentanone	8.89	43	3491713	10.335	ppbv		99
51) 2-Hexanone	10.29	43	2433329	9.689	ppbv	#	99
52) Tetrachloroethene	11.39	164	1177783	9.779	ppbv		96
53) Toluene	9.97	91	4129521	10.428	ppbv		99
54) 1,2-Dibromoethane	10.78	107	2072947	9.676	ppbv		98
56) 1,1,1,2-Tetrachloroethane	12.30	131	1645517	7.298	ppbv	#	56
57) Chlorobenzene	12.32	112	2851247	7.519	ppbv		96
58) Ethyl Benzene	12.89	91	5094672	8.505	ppbv		100
59) m/p-Xylene	13.17	91	4330840	8.119	ppbv	#	30
60) o-Xylene	13.87	91	4022396	7.817	ppbv		99
61) Styrene	13.70	104	3127833	9.066	ppbv		97
62) Isopropylbenzene	14.85	105	5608325	7.701	ppbv		100
63) 1,1,2,2-Tetrachloroethane	13.86	83	2742451	6.803	ppbv		99
64) n-propylbenzene	15.74	120	1423721	7.867	ppbv		97
65) tert-Butylbenzene	16.93	119	4744926	7.651	ppbv		96
66) Benzyl Chloride	17.18	91	2710581	8.465	ppbv		99
67) sec-Butylbenzene	17.48	105	6695901	7.591	ppbv		99
69) p-Isopropyltoluene	17.84	119	5429353	7.767	ppbv		98
70) n-Butylbenzene	18.73	91	5473443	7.606	ppbv		99
71) 2-Chlorotoluene	15.64	91	4182577	8.082	ppbv		98
72) 4-Ethyltoluene	16.02	105	4527897	8.262	ppbv		99
73) 1,3,5-Trimethylbenzene	16.18	105	4238680	7.941	ppbv		96
74) 1,2,4-Trimethylbenzene	16.95	105	4262461	7.477	ppbv		92
75) 1,3-Dichlorobenzene	17.19	146	2371707	7.235	ppbv		99
76) 1,4-Dichlorobenzene	17.33	146	2379120	7.865	ppbv		98
77) 1,2-Dichlorobenzene	18.01	146	2256826	7.267	ppbv		98
78) Hexachloro-1,3-Butadiene	23.56	225	1200798	8.183	ppbv		100
79) Naphthalene	22.43	128	3530225	9.964	ppbv		100
80) Naphthalene,2-methyl-	25.13	142	1202724	13.960	ppbv		99
81) 1,2,4-Trichlorobenzene	22.16	180	1656794	9.029	ppbv		99

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

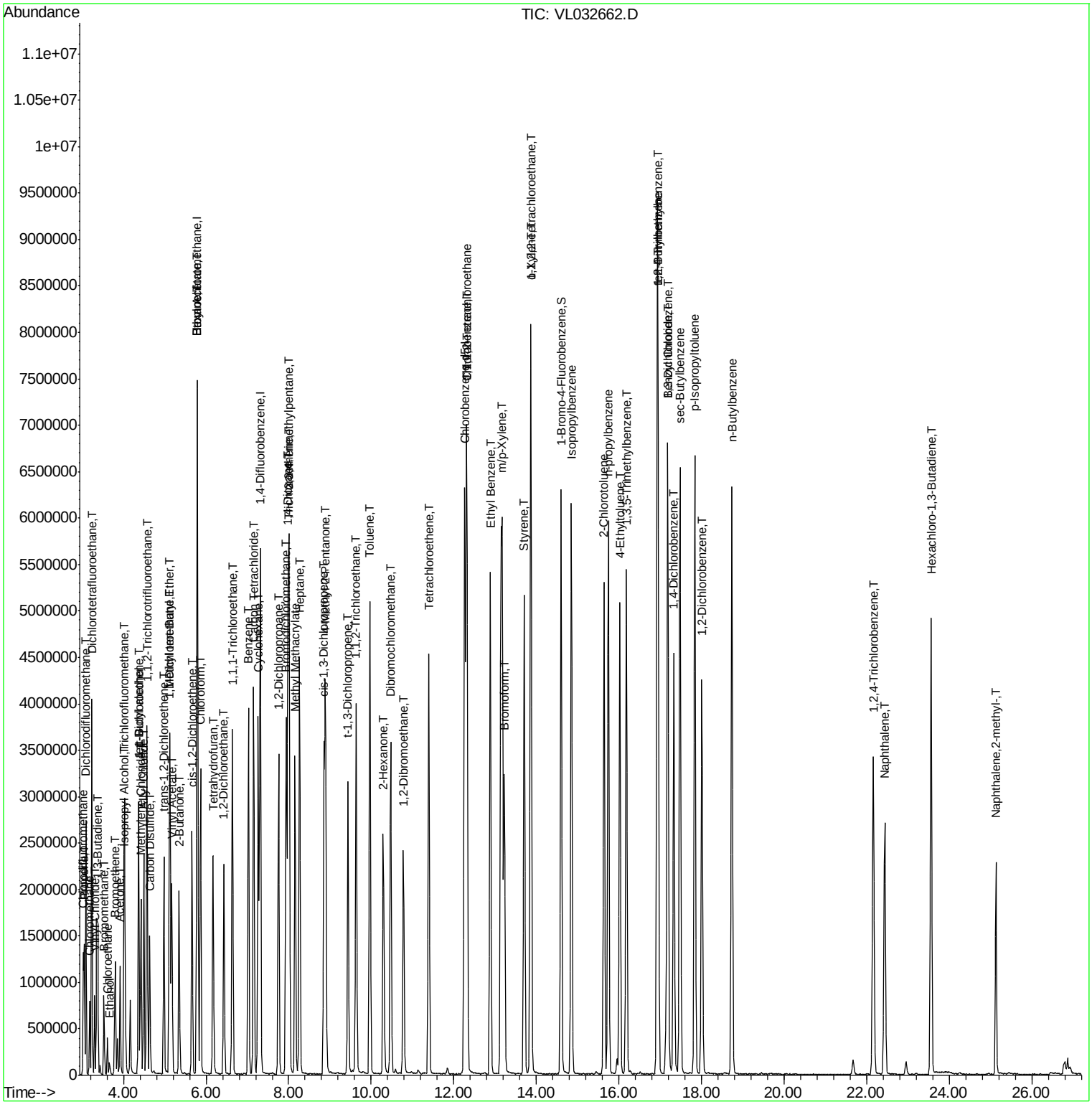
Data Path : Z:\VOASRV\HPCHEM1\MSVOA_L\DATA\VL101818\

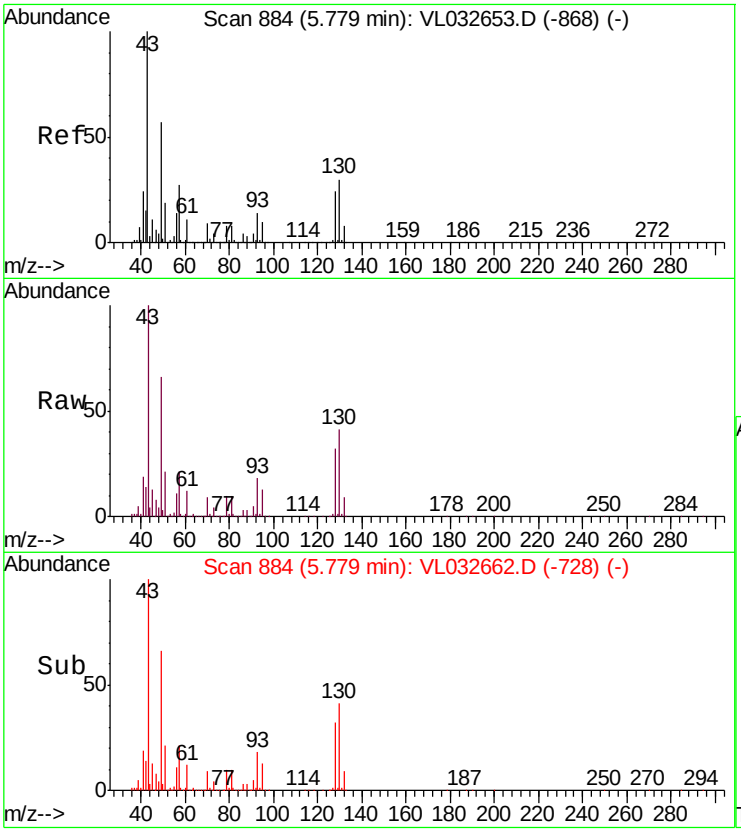
Quantitation Report (Not Reviewed)

Data File : VL032662.D
Acq On : 19 Oct 2018 00:24
Operator : SY/AP
Sample : VL1018ABS01
Misc : 400ml/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_L
ClientSampleId : VL1018ABS01

Quant Time: Oct 19 01:37:10 2018
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL101818AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LFri Oct 19 01:25:37 2018
QLast Update : Fri Oct 19 01:25:37 2018
Response via : Initial Calibration



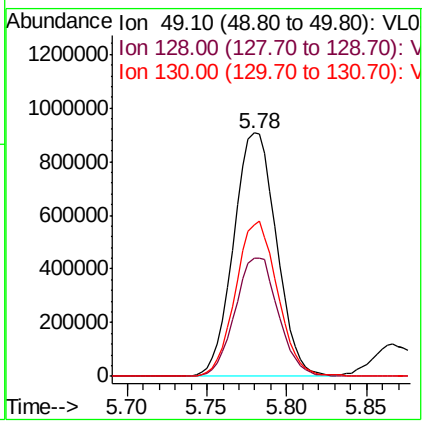


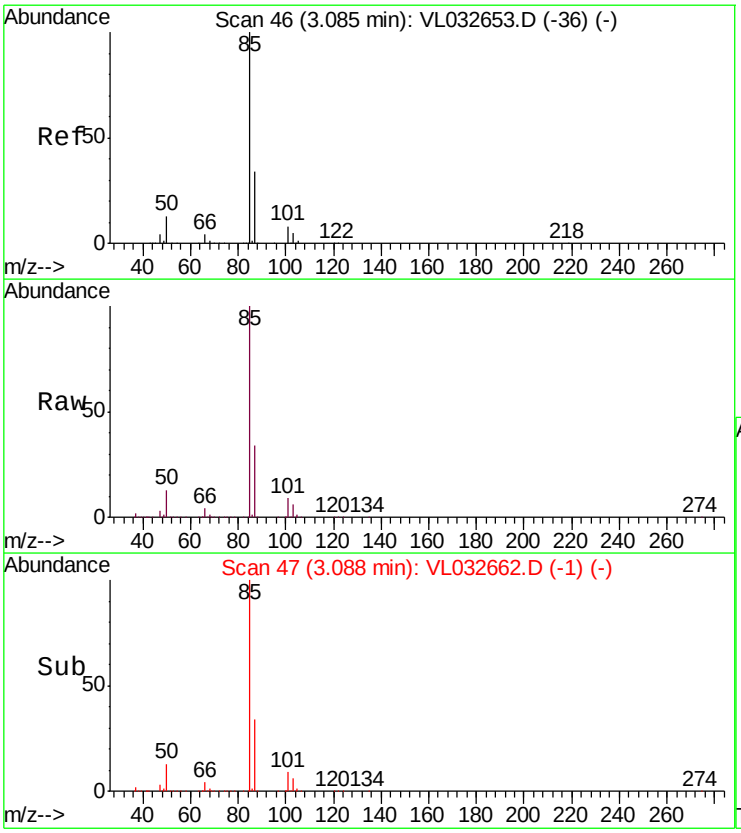
#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 5.78 min Scan# 884
Delta R.T. 0.00 min
Lab File: VL032662.D
Acq: 19 Oct 2018 00:24

Instrument :
MSVOA_L
ClientSampleId :
VL1018ABS01

Tgt Ion: 49 Resp: 1658643

Ion	Ratio	Lower	Upper
49	100		
128	49.2	22.3	66.8
130	62.6	28.4	85.3

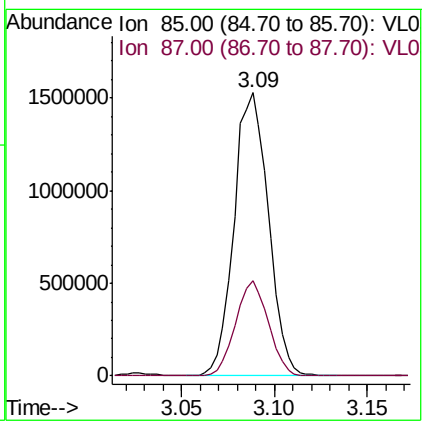


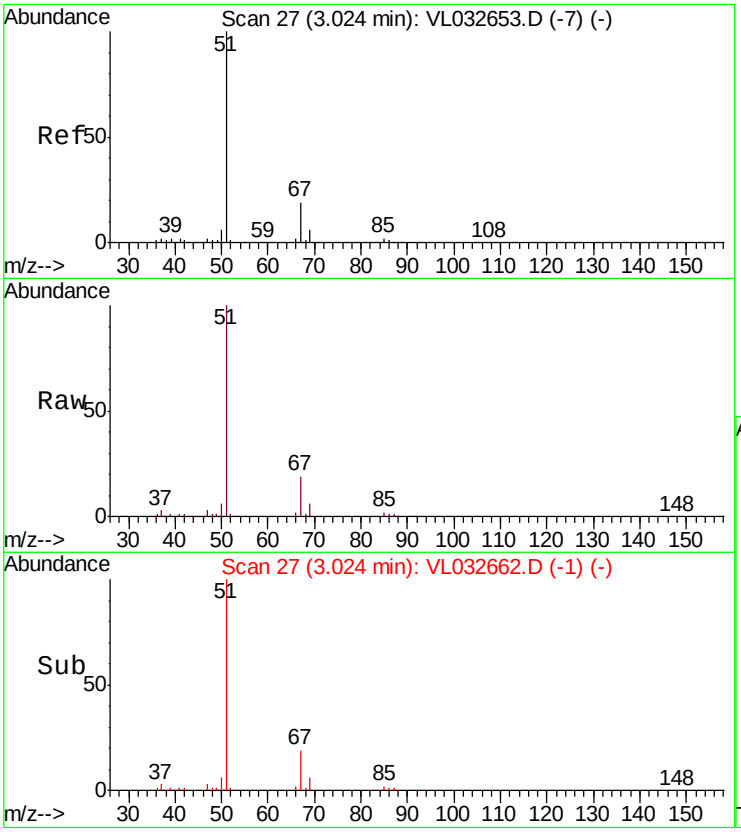


#2
Dichlorodifluoromethane
Concen: 11.623 ppbv
RT: 3.09 min Scan# 47
Delta R.T. 0.00 min
Lab File: VL032662.D
Acq: 19 Oct 2018 00:24

Tgt Ion: 85 Resp: 1964182

Ion	Ratio	Lower	Upper
85	100		
87	33.7	26.2	39.2



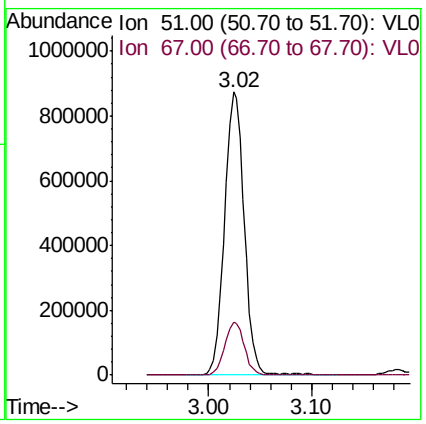


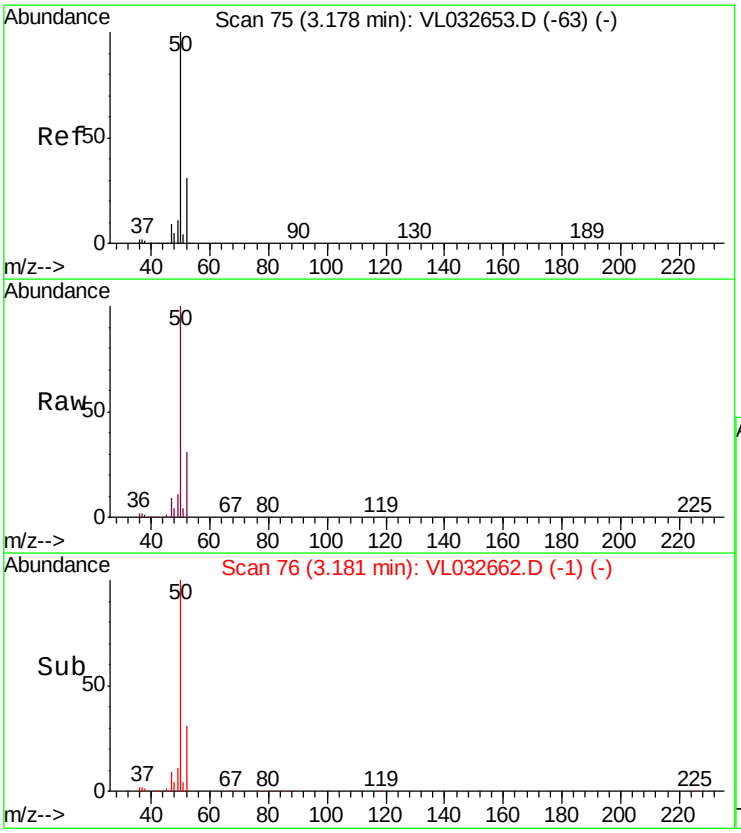
#3
Chlorodifluoromethane
Concen: 8.930 ppbv
RT: 3.02 min Scan# 27
Delta R.T. 0.00 min
Lab File: VL032662.D
Acq: 19 Oct 2018 00:24

Instrument :
MSVOA_L
ClientSampleId :
VL1018ABS01

Tgt Ion: 51 Resp: 1158339

Ion	Ratio	Lower	Upper
51	100		
67	18.5	15.2	22.8

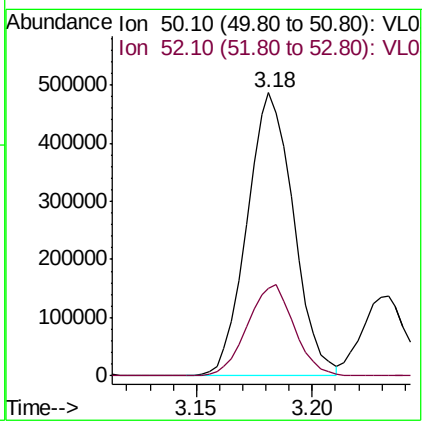


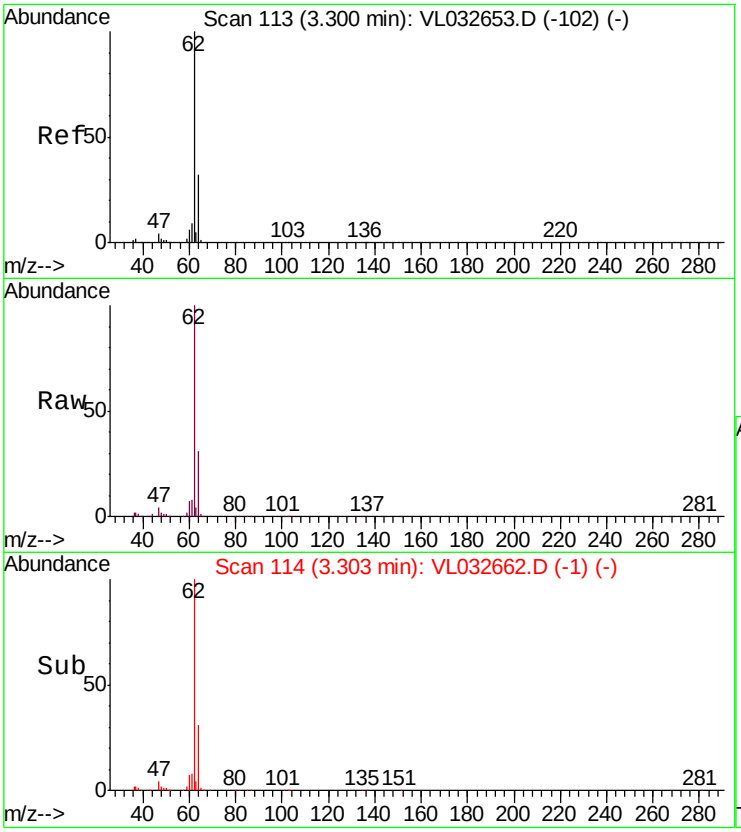


#4
Chloromethane
Concen: 9.331 ppbv
RT: 3.18 min Scan# 76
Delta R.T. 0.00 min
Lab File: VL032662.D
Acq: 19 Oct 2018 00:24

Tgt Ion: 50 Resp: 676407

Ion	Ratio	Lower	Upper
50	100		
52	31.1	25.9	38.9



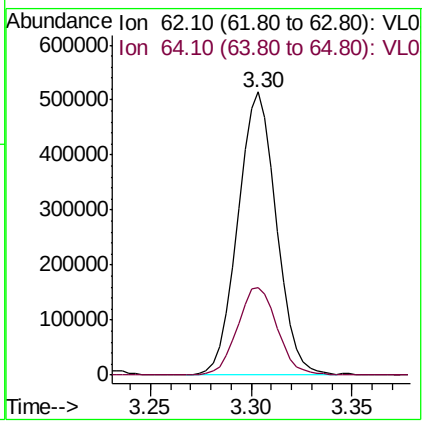


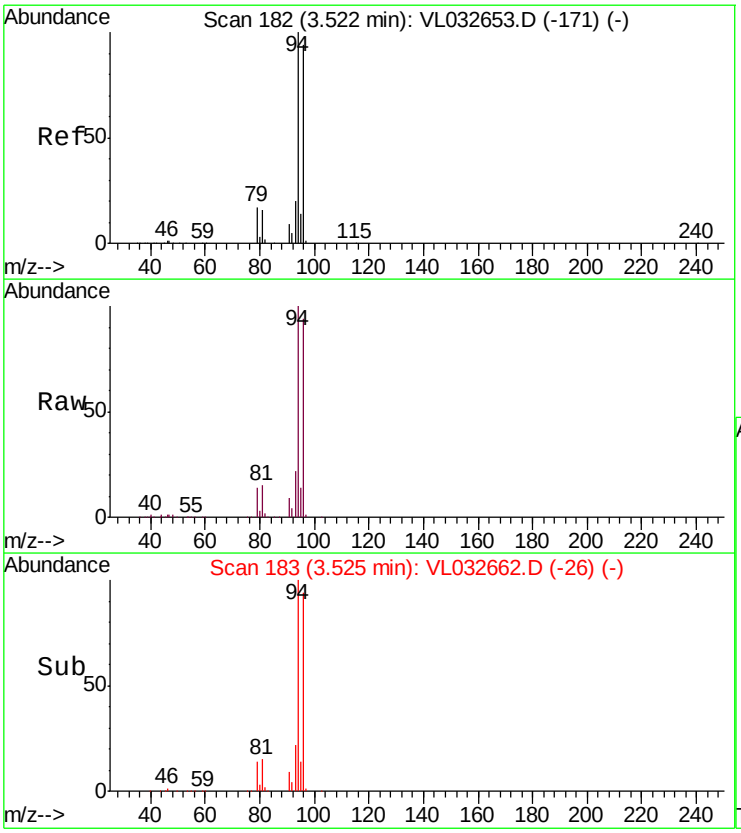
#5
Vinyl Chloride
Concen: 8.789 ppbv
RT: 3.30 min Scan# 114
Delta R.T. 0.00 min
Lab File: VL032662.D
Acq: 19 Oct 2018 00:24

Instrument : MSVOA_L
ClientSampleId : VL1018ABS01

Tgt Ion: 62 Resp: 690055

Ion	Ratio	Lower	Upper
62	100		
64	31.1	25.5	38.3

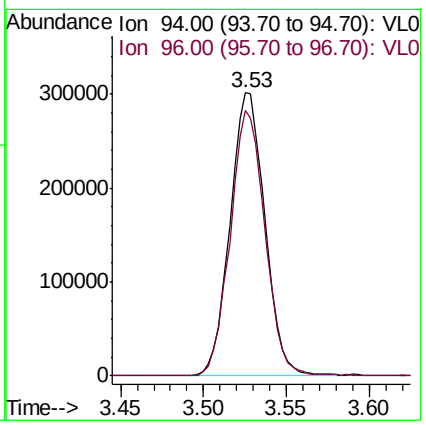


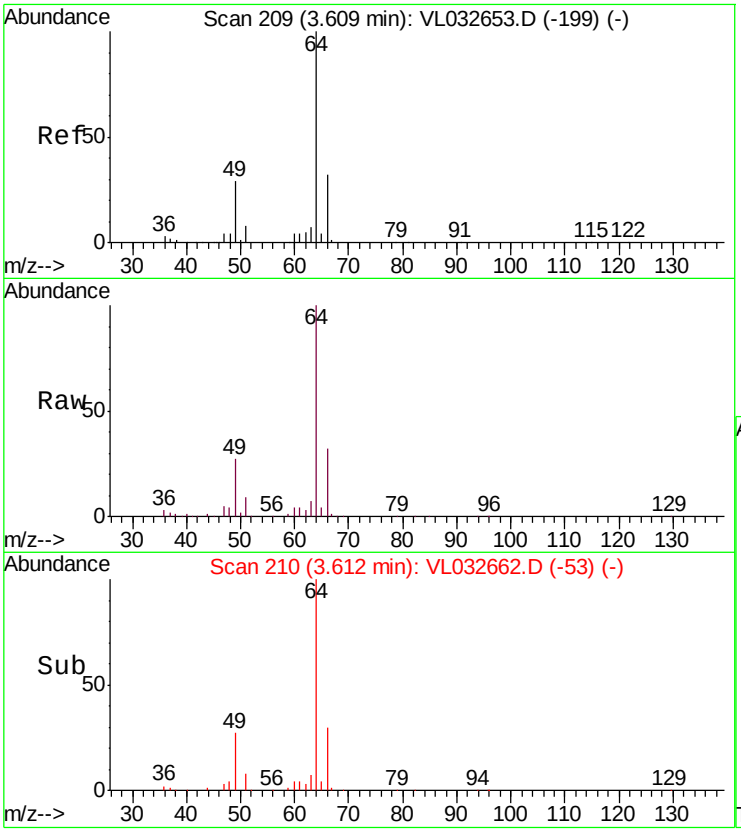


#6
Bromomethane
Concen: 8.987 ppbv
RT: 3.53 min Scan# 183
Delta R.T. 0.00 min
Lab File: VL032662.D
Acq: 19 Oct 2018 00:24

Tgt Ion: 94 Resp: 439955

Ion	Ratio	Lower	Upper
94	100		
96	93.8	69.8	104.8



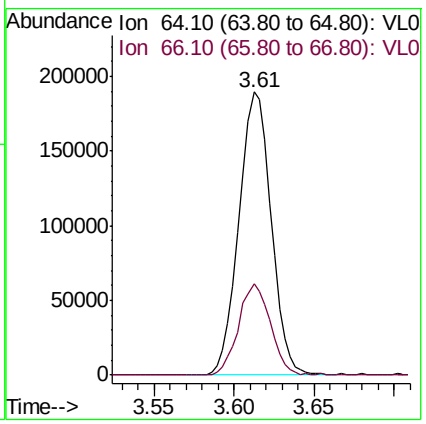


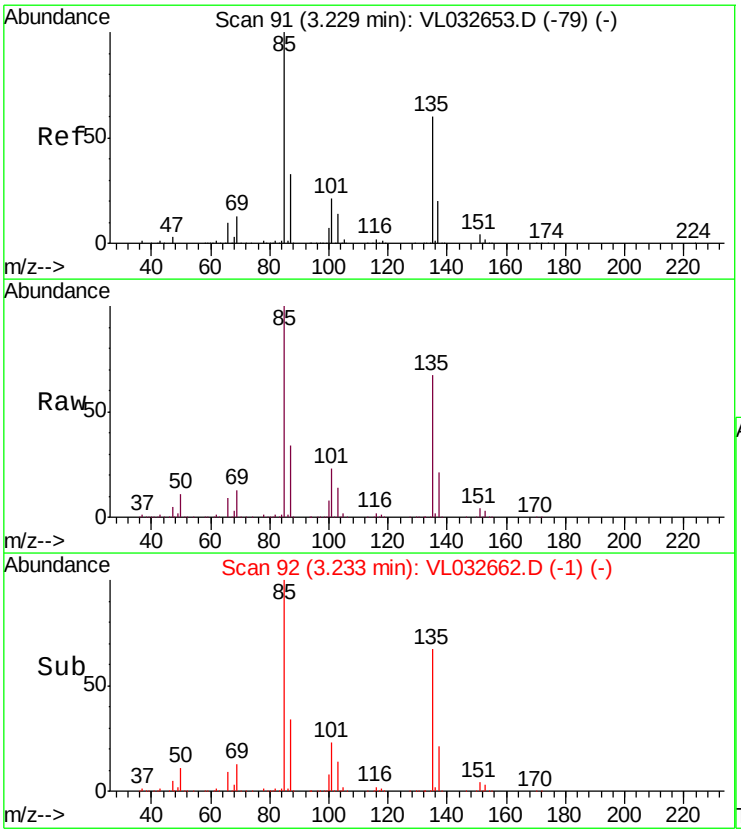
#7
Chloroethane
Concen: 8.965 ppbv
RT: 3.61 min Scan# 210
Delta R.T. 0.00 min
Lab File: VL032662.D
Acq: 19 Oct 2018 00:24

Instrument :
MSVOA_L
ClientSampleId :
VL1018ABS01

Tgt Ion: 64 Resp: 259191

Ion	Ratio	Lower	Upper
64	100		
66	32.3	24.4	36.6

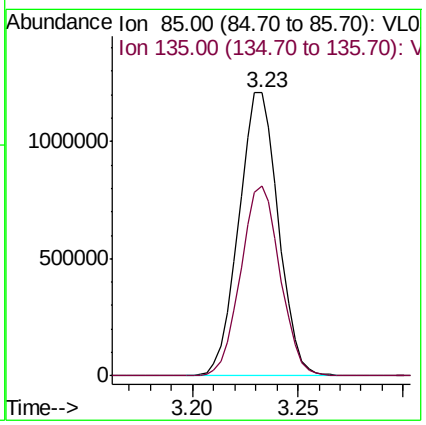


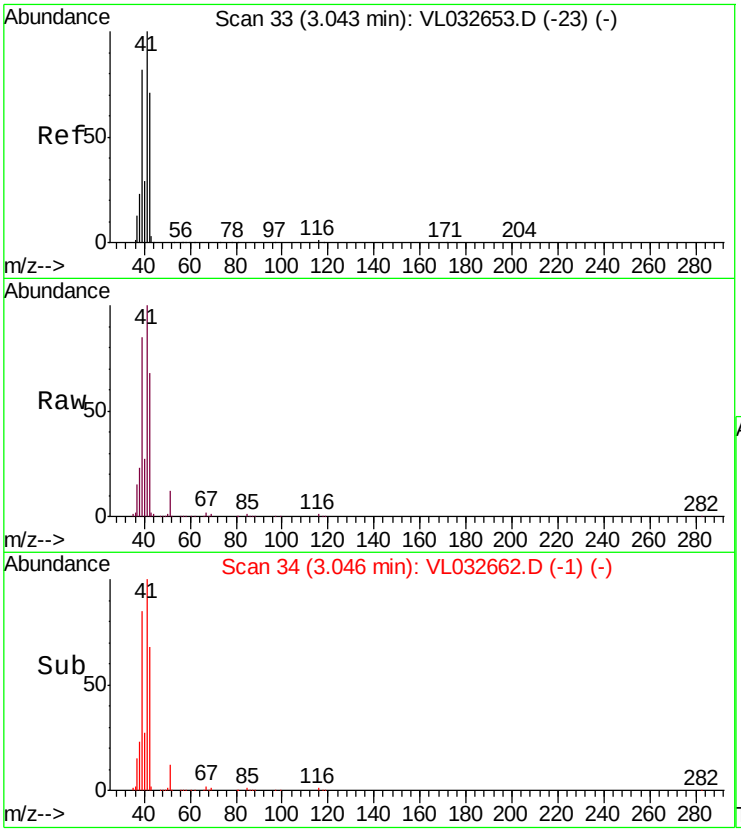


#8
Dichlorotetrafluoroethane
Concen: 8.819 ppbv
RT: 3.23 min Scan# 92
Delta R.T. 0.00 min
Lab File: VL032662.D
Acq: 19 Oct 2018 00:24

Tgt Ion: 85 Resp: 1570848

Ion	Ratio	Lower	Upper
85	100		
135	67.2	49.0	73.4



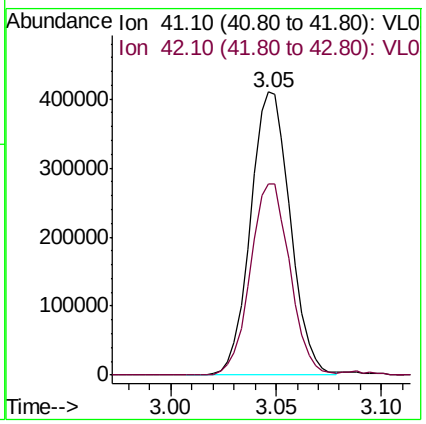


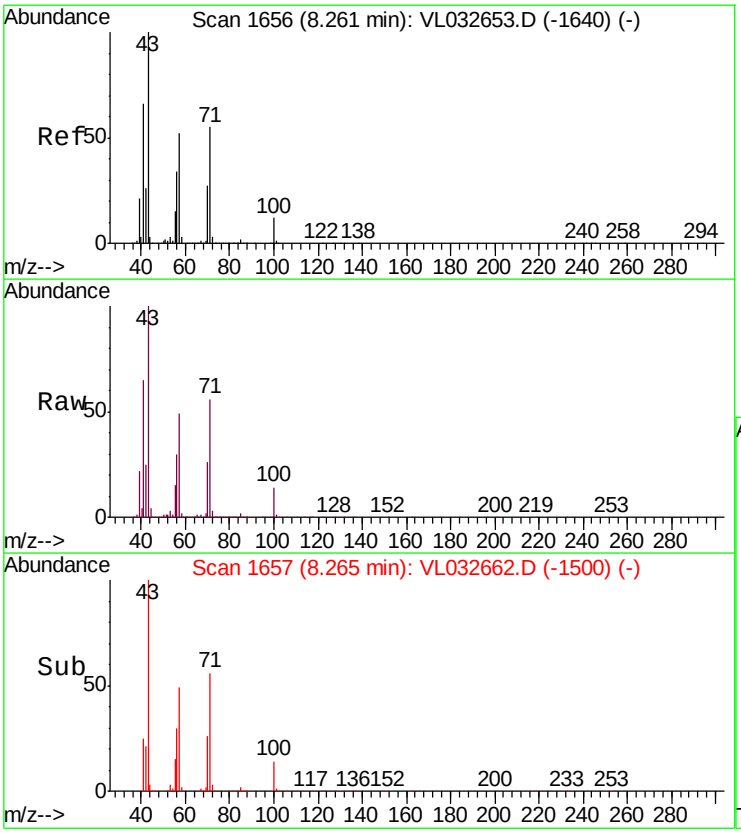
#9
Propene
Concen: 10.038 ppbv
RT: 3.05 min Scan# 34
Delta R.T. 0.00 min
Lab File: VL032662.D
Acq: 19 Oct 2018 00:24

Instrument :
MSVOA_L
ClientSampleId :
VL1018ABS01

Tgt Ion: 41 Resp: 535841

Ion	Ratio	Lower	Upper
41	100		
42	68.7	55.4	83.0

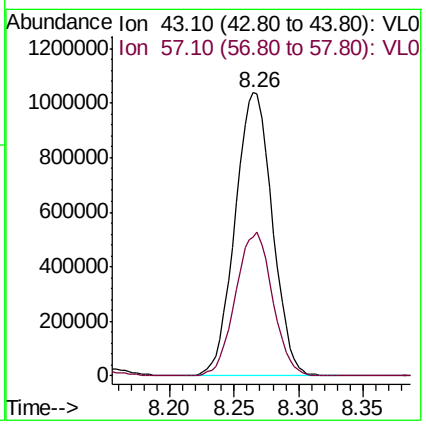


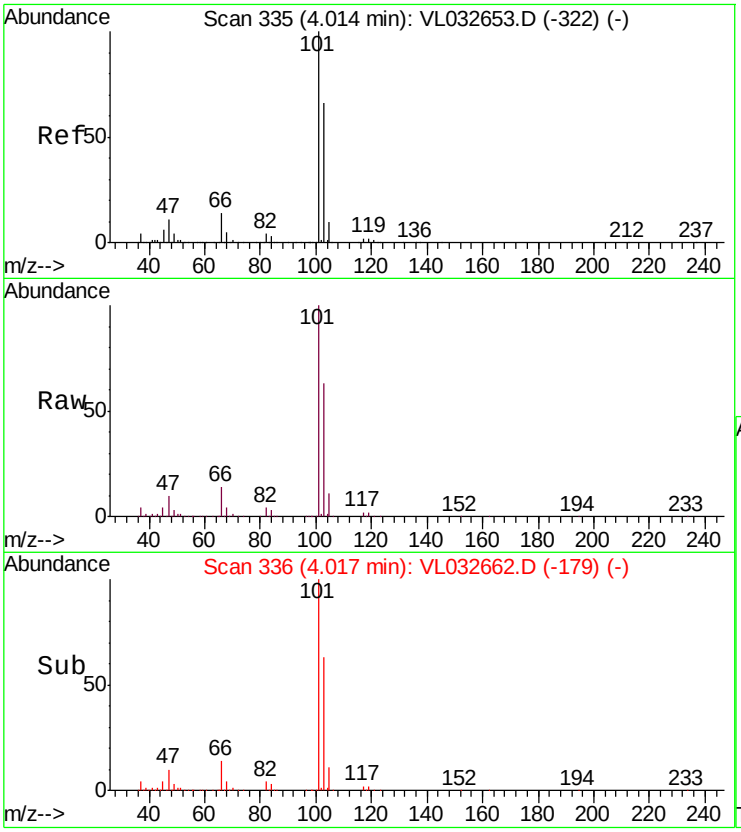


#10
Heptane
Concen: 10.111 ppbv
RT: 8.26 min Scan# 1657
Delta R.T. 0.00 min
Lab File: VL032662.D
Acq: 19 Oct 2018 00:24

Tgt Ion: 43 Resp: 2079968

Ion	Ratio	Lower	Upper
43	100		
57	50.5	41.5	62.3



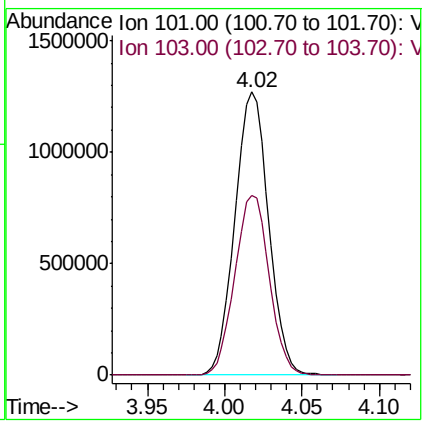


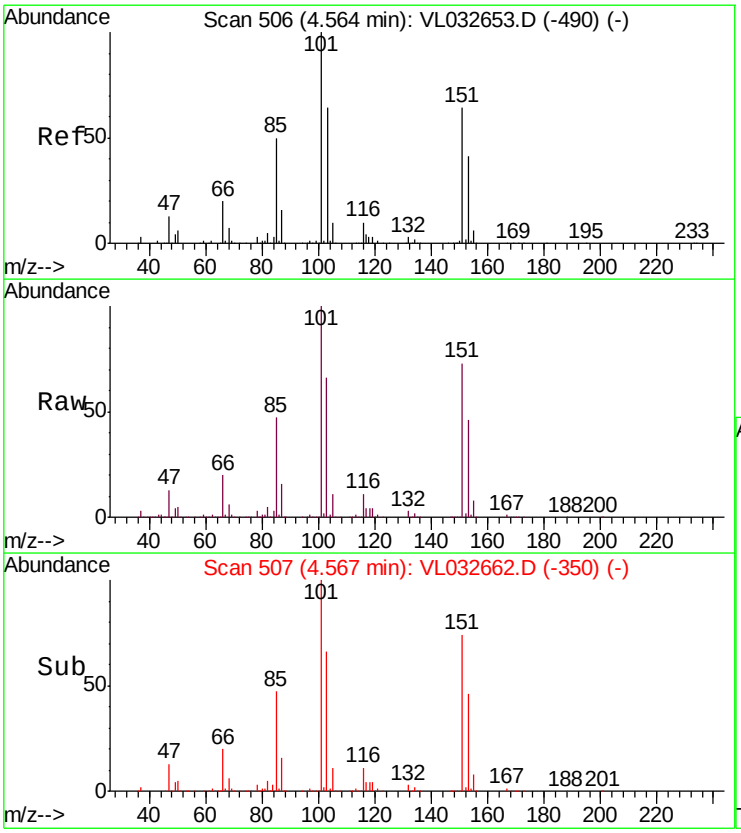
#11
Trichlorofluoromethane
Concen: 8.732 ppbv
RT: 4.02 min Scan# 336
Delta R.T. 0.00 min
Lab File: VL032662.D
Acq: 19 Oct 2018 00:24

Instrument :
MSVOA_L
ClientSampleId :
VL1018ABS01

Tgt Ion:101 Resp: 1927486

Ion	Ratio	Lower	Upper
101	100		
103	63.4	51.4	77.2

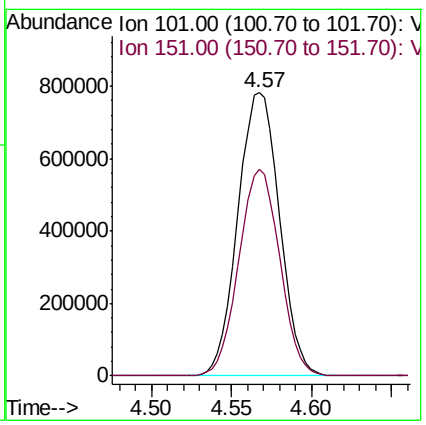


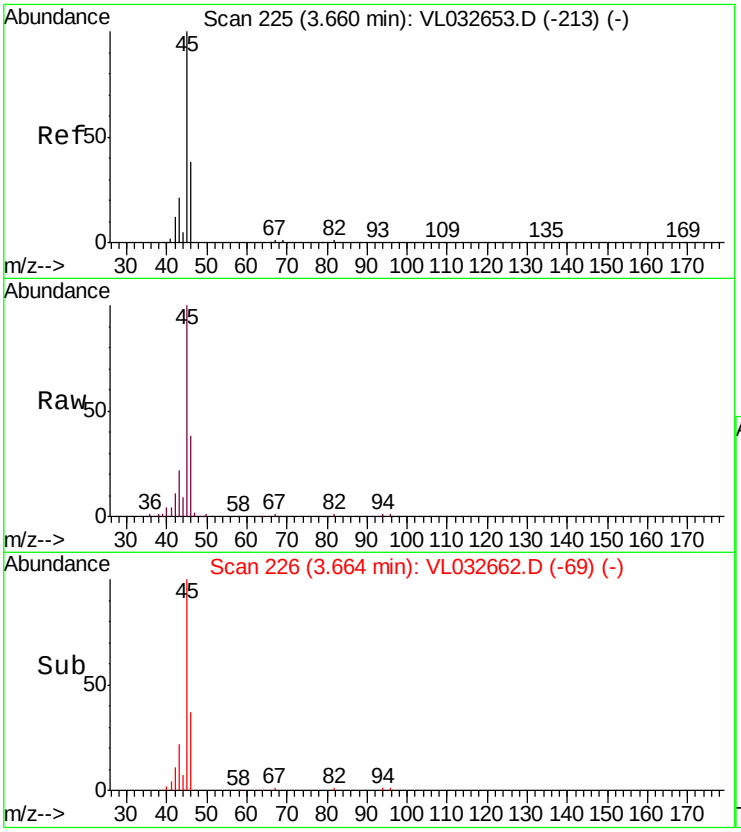


#12
1,1,2-Trichlorotrifluoroethane
Concen: 7.574 ppbv
RT: 4.57 min Scan# 507
Delta R.T. 0.00 min
Lab File: VL032662.D
Acq: 19 Oct 2018 00:24

Tgt Ion:101 Resp: 1390411

Ion	Ratio	Lower	Upper
101	100		
151	71.8	52.3	78.5

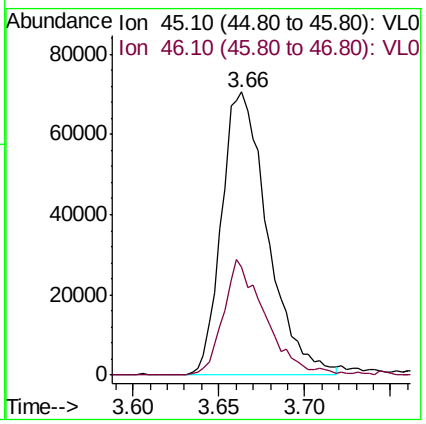




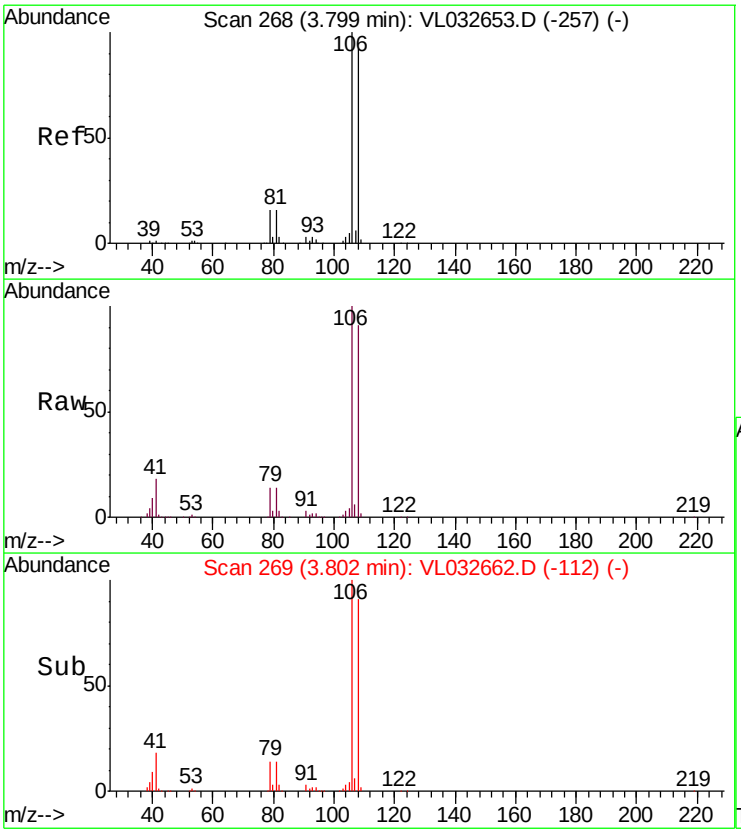
#13
Ethanol
Concen: 8.628 ppbv
RT: 3.66 min Scan# 226
Delta R.T. 0.00 min
Lab File: VL032662.D
Acq: 19 Oct 2018 00:24

Tgt Ion: 45 Resp: 131635

Ion	Ratio	Lower	Upper
45	100		
46	37.2	15.4	61.8



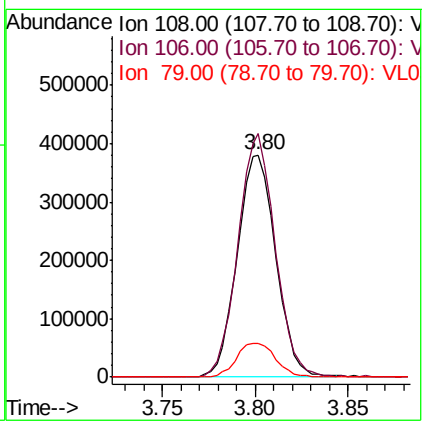
Instrument :
MSVOA_L
ClientSampleId :
VL1018ABS01

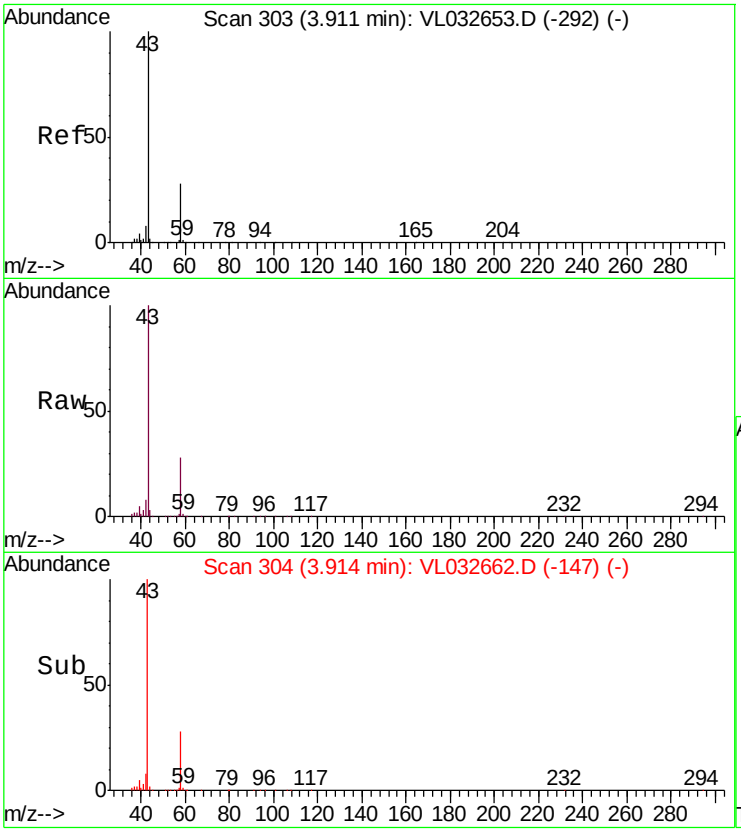


#14
Bromoethene
Concen: 8.852 ppbv
RT: 3.80 min Scan# 269
Delta R.T. 0.00 min
Lab File: VL032662.D
Acq: 19 Oct 2018 00:24

Tgt Ion:108 Resp: 549162

Ion	Ratio	Lower	Upper
108	100		
106	106.1	85.0	127.4
79	15.9	13.7	20.5



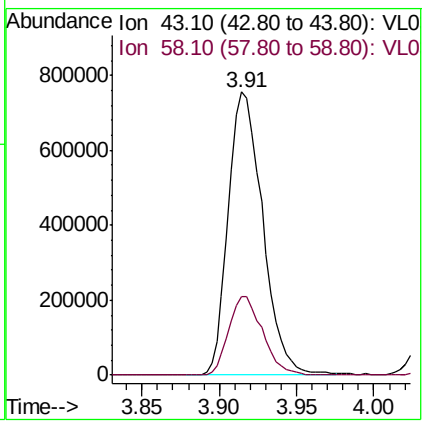


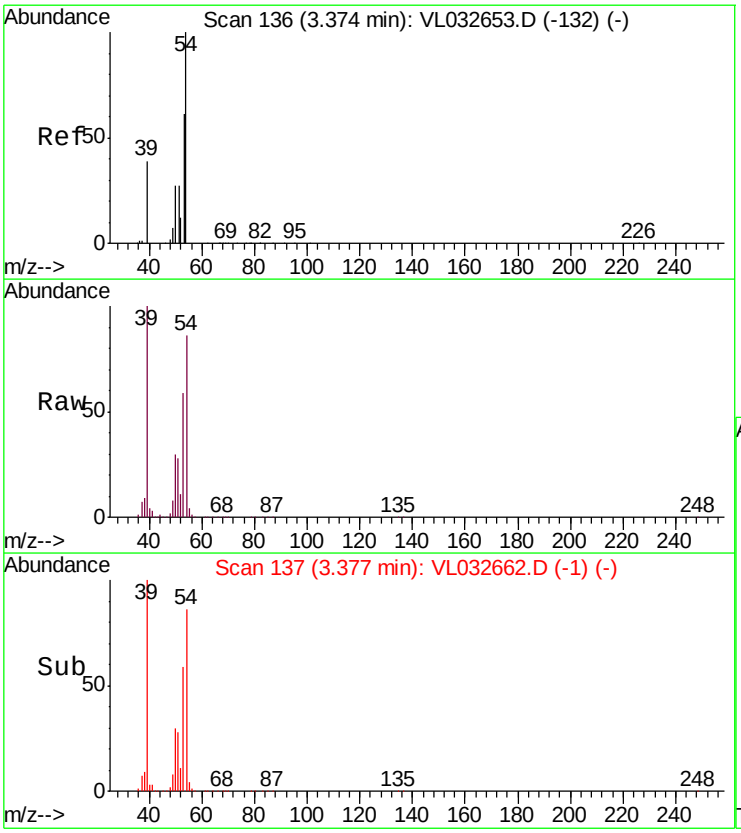
#15
Acetone
Concen: 7.608 ppbv
RT: 3.91 min Scan# 304
Delta R.T. 0.00 min
Lab File: VL032662.D
Acq: 19 Oct 2018 00:24

Instrument :
MSVOA_L
ClientSampleId :
VL1018ABS01

Tgt Ion: 43 Resp: 1165197

Ion	Ratio	Lower	Upper
43	100		
58	27.7	22.1	33.1

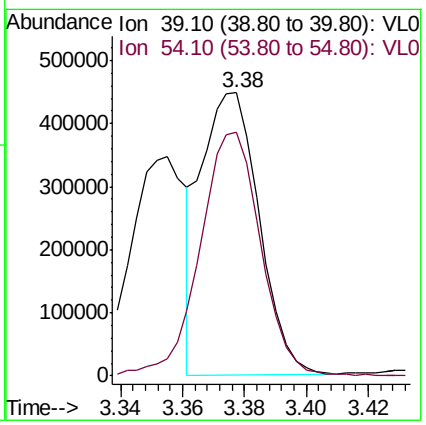


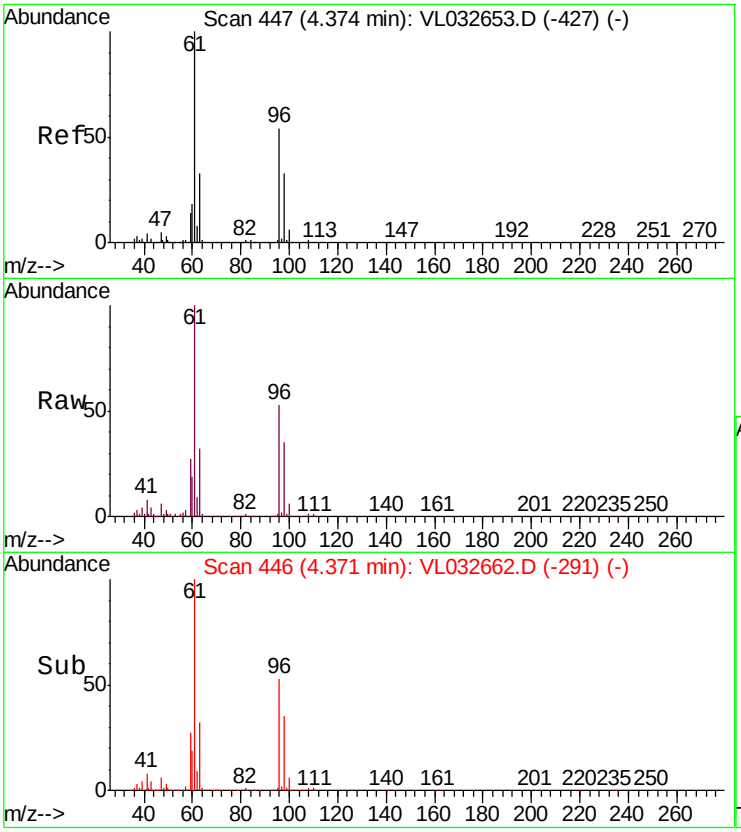


#16
1,3-Butadiene
Concen: 10.267 ppbv
RT: 3.38 min Scan# 137
Delta R.T. 0.00 min
Lab File: VL032662.D
Acq: 19 Oct 2018 00:24

Tgt Ion: 39 Resp: 578472

Ion	Ratio	Lower	Upper
39	100		
54	91.5	90.4	135.6



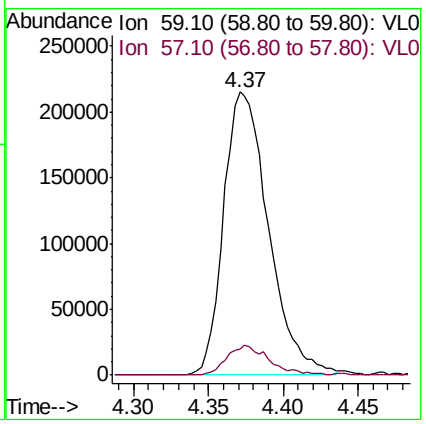


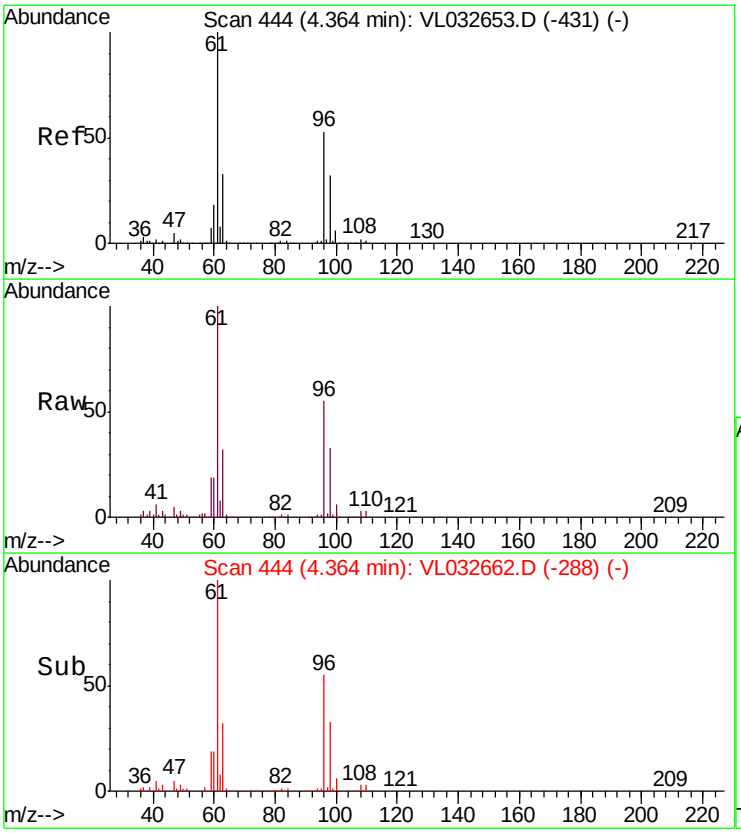
#17
tert-Butyl alcohol
Concen: 9.901 ppbv
RT: 4.37 min Scan# 446
Delta R.T. -0.00 min
Lab File: VL032662.D
Acq: 19 Oct 2018 00:24

Instrument :
MSVOA_L
ClientSampleId :
VL1018ABS01

Tgt Ion: 59 Resp: 446008

Ion	Ratio	Lower	Upper
59	100		
57	10.3	0.0	0.0#

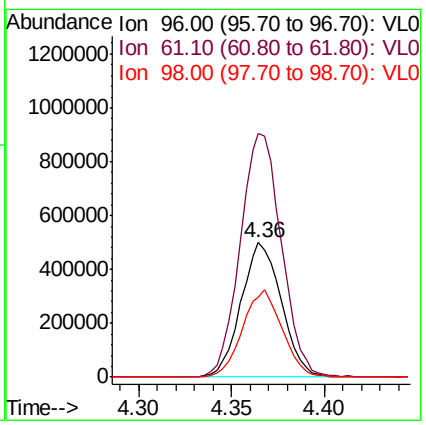


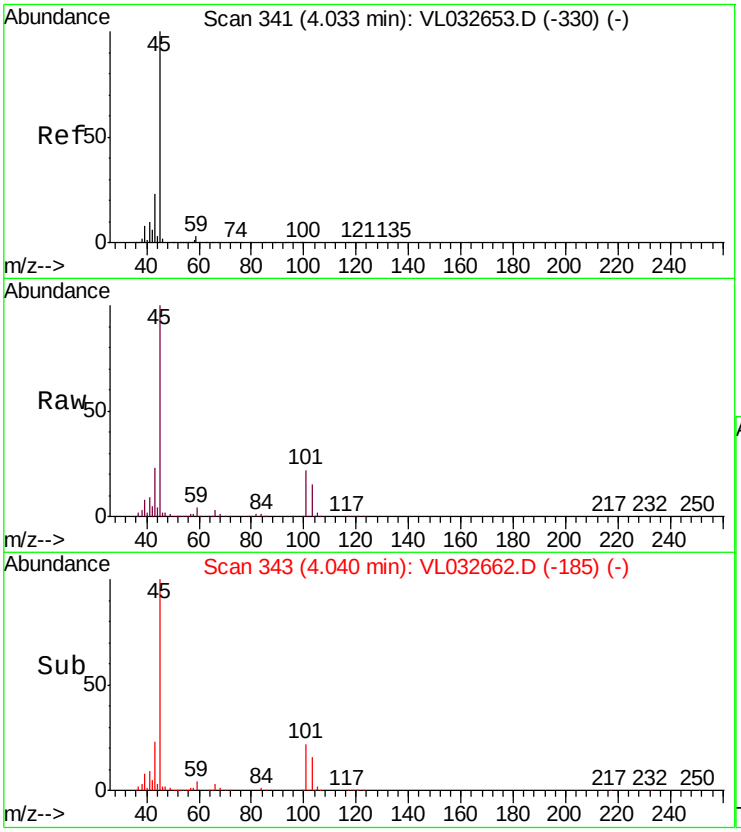


#18
1,1-Dichloroethene
Concen: 9.335 ppbv
RT: 4.36 min Scan# 444
Delta R.T. 0.00 min
Lab File: VL032662.D
Acq: 19 Oct 2018 00:24

Tgt Ion: 96 Resp: 752809

Ion	Ratio	Lower	Upper
96	100		
61	181.0	151.6	227.4
98	59.8	50.6	75.8



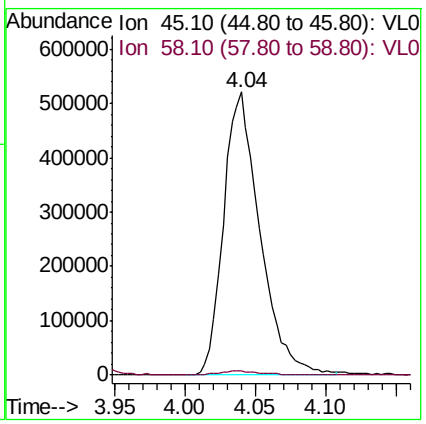


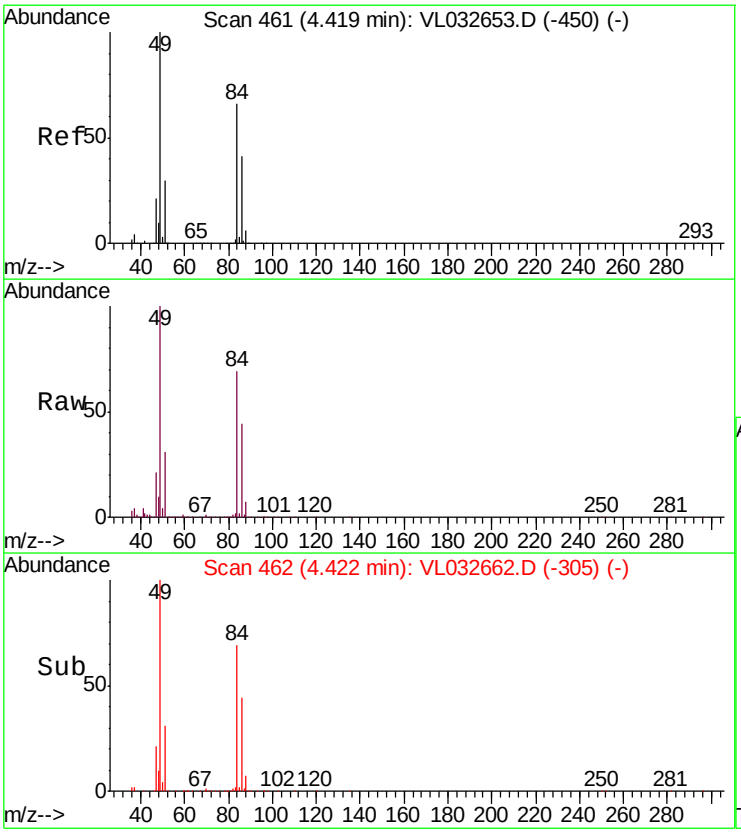
#19
Isopropyl Alcohol
Concen: 8.622 ppbv
RT: 4.04 min Scan# 343
Delta R.T. 0.01 min
Lab File: VL032662.D
Acq: 19 Oct 2018 00:24

Instrument : MSVOA_L
ClientSampleId : VL1018ABS01

Tgt Ion: 45 Resp: 940417

Ion	Ratio	Lower	Upper
45	100		
58	1.8	2.0	3.0#

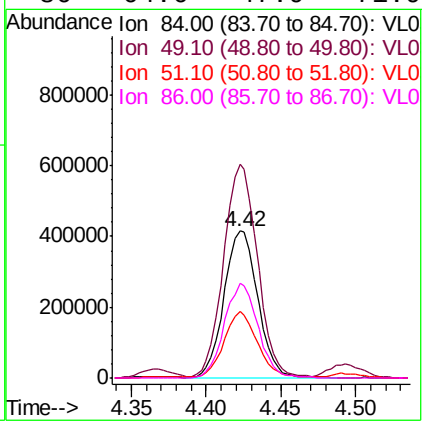


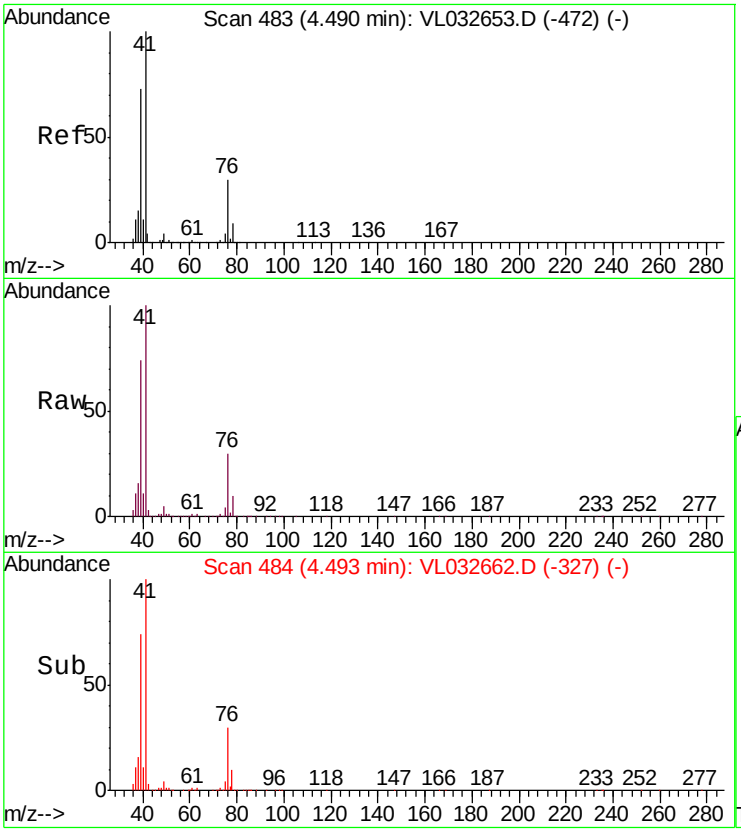


#20
Methylene Chloride
Concen: 8.366 ppbv
RT: 4.42 min Scan# 462
Delta R.T. 0.00 min
Lab File: VL032662.D
Acq: 19 Oct 2018 00:24

Tgt Ion: 84 Resp: 650411

Ion	Ratio	Lower	Upper
84	100		
49	144.5	113.5	170.3
51	45.1	34.8	52.2
86	64.6	47.9	71.9



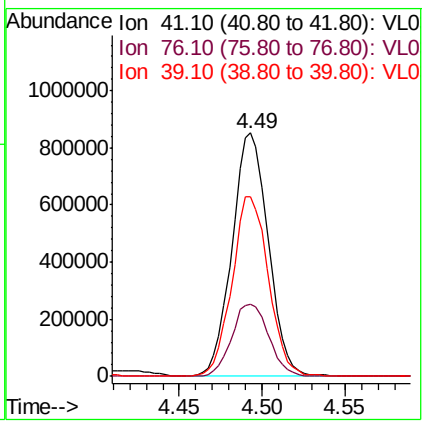


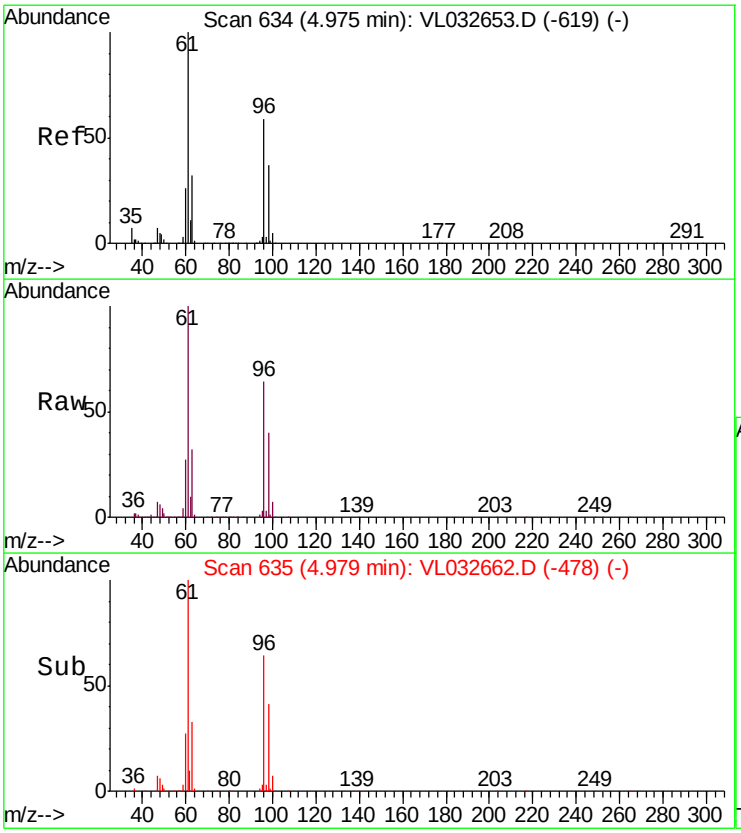
#21
Allyl Chloride
Concen: 10.235 ppbv
RT: 4.49 min Scan# 484
Delta R.T. 0.00 min
Lab File: VL032662.D
Acq: 19 Oct 2018 00:24

Instrument :
MSVOA_L
ClientSampleId :
VL1018ABS01

Tgt Ion: 41 Resp: 1287140

Ion	Ratio	Lower	Upper
41	100		
76	30.6	24.3	36.5
39	74.9	60.3	90.5

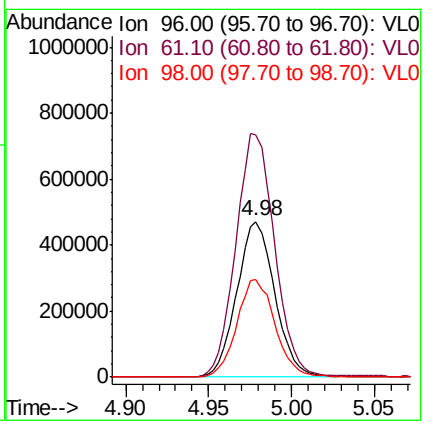


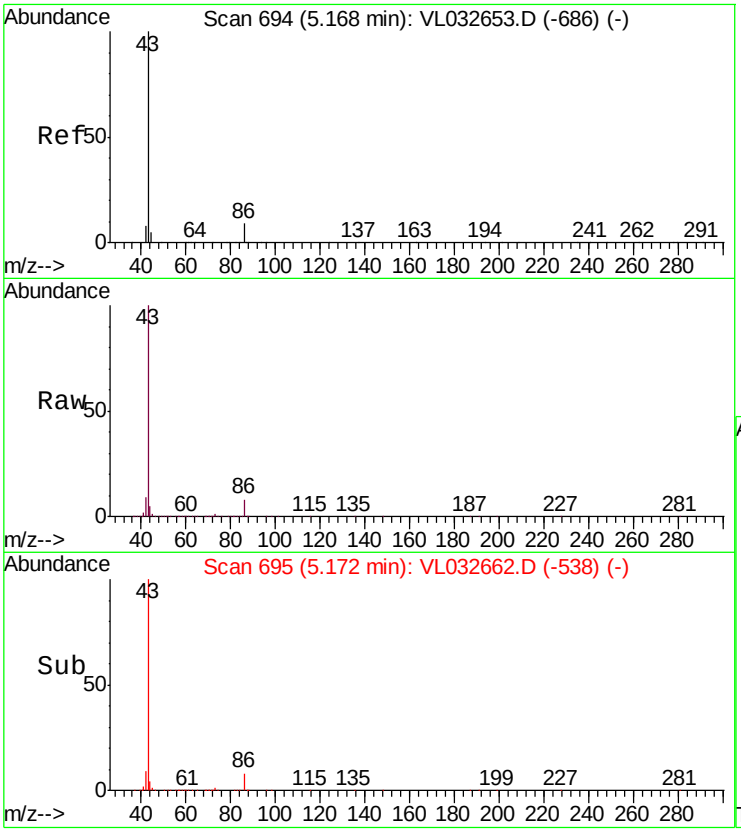


#22
trans-1,2-Dichloroethene
Concen: 9.074 ppbv
RT: 4.98 min Scan# 635
Delta R.T. 0.00 min
Lab File: VL032662.D
Acq: 19 Oct 2018 00:24

Tgt Ion: 96 Resp: 750622

Ion	Ratio	Lower	Upper
96	100		
61	155.9	140.4	210.6
98	63.0	55.0	82.6



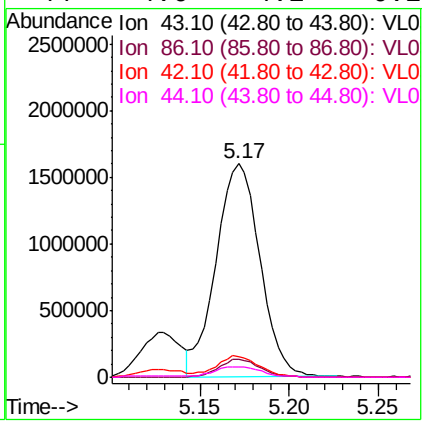


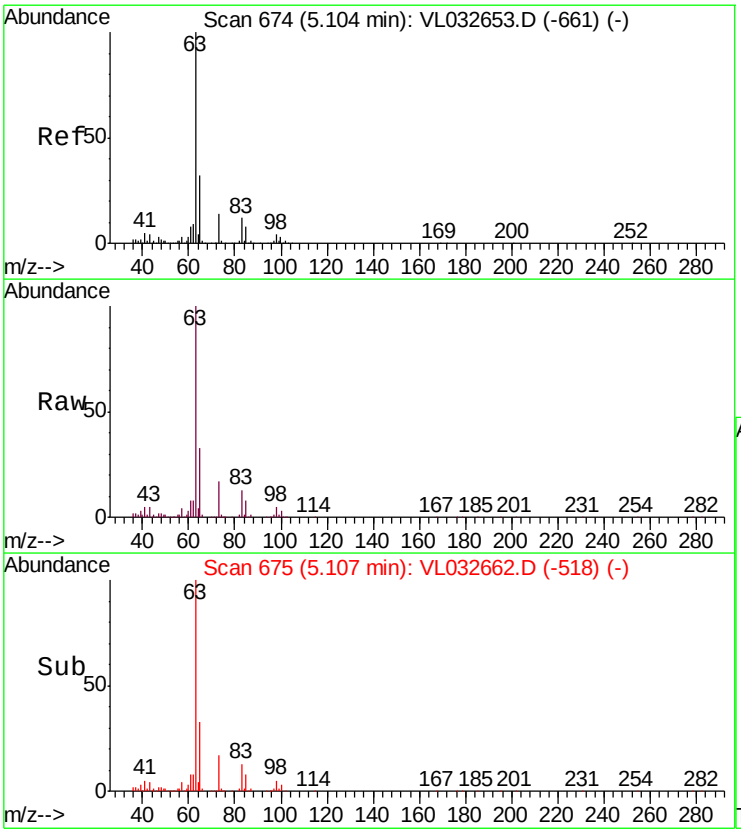
#23
Vinyl Acetate
Concen: 10.083 ppbv
RT: 5.17 min Scan# 695
Delta R.T. 0.00 min
Lab File: VL032662.D
Acq: 19 Oct 2018 00:24

Instrument :
MSVOA_L
ClientSampleId :
VL1018ABS01

Tgt Ion: 43 Resp: 2736695

Ion	Ratio	Lower	Upper
43	100		
86	8.4	6.1	9.1
42	9.3	7.4	11.2
44	4.6	4.2	6.2

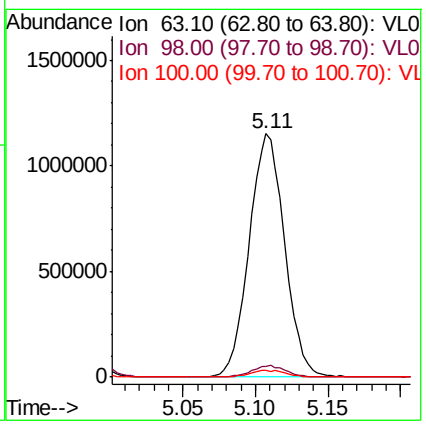


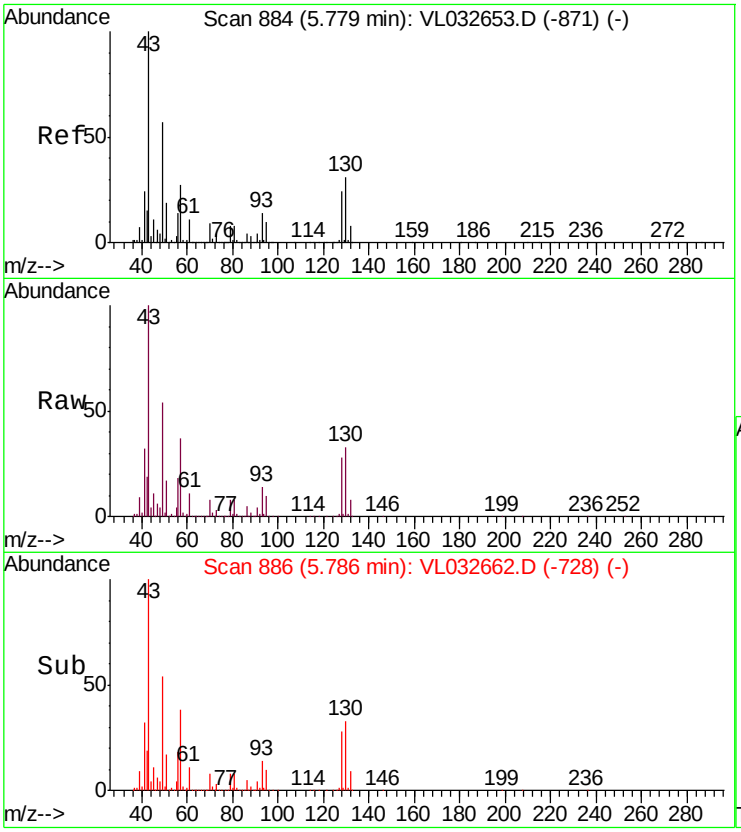


#24
1,1-Dichloroethane
Concen: 9.166 ppbv
RT: 5.11 min Scan# 675
Delta R.T. 0.00 min
Lab File: VL032662.D
Acq: 19 Oct 2018 00:24

Tgt Ion: 63 Resp: 1952893

Ion	Ratio	Lower	Upper
63	100		
98	4.4	2.1	6.3
100	3.0	1.2	3.6



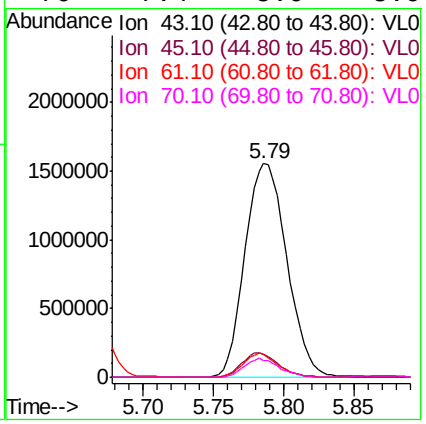


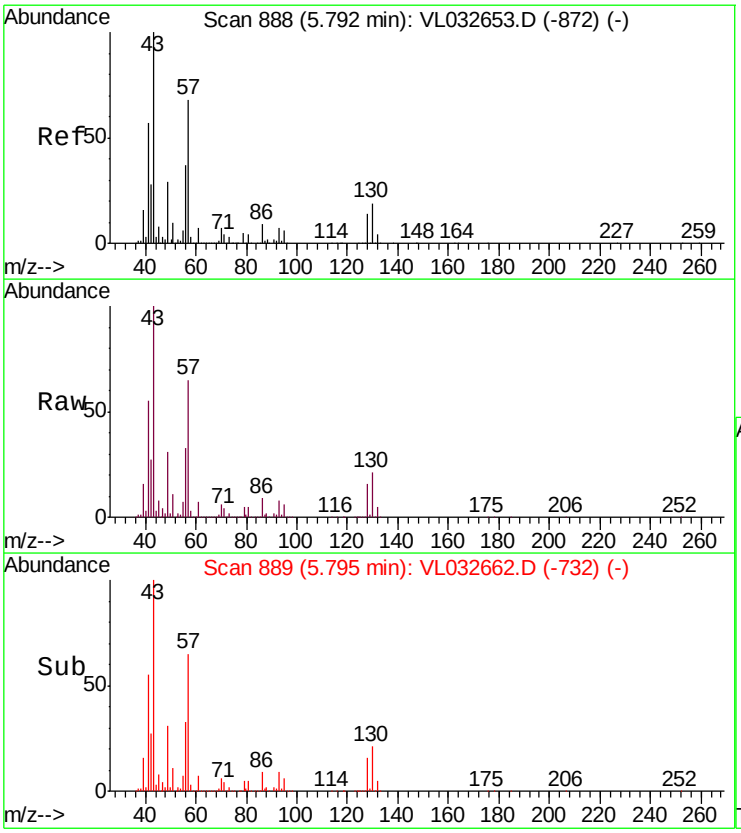
#25
Ethyl Acetate
Concen: 9.163 ppbv
RT: 5.79 min Scan# 886
Delta R.T. 0.01 min
Lab File: VL032662.D
Acq: 19 Oct 2018 00:24

Instrument : MSVOA_L
ClientSampleId : VL1018ABS01

Tgt Ion: 43 Resp: 3230337

Ion	Ratio	Lower	Upper
43	100		
45	10.0	8.0	12.0
61	9.6	8.0	12.0
70	7.4	5.9	8.9

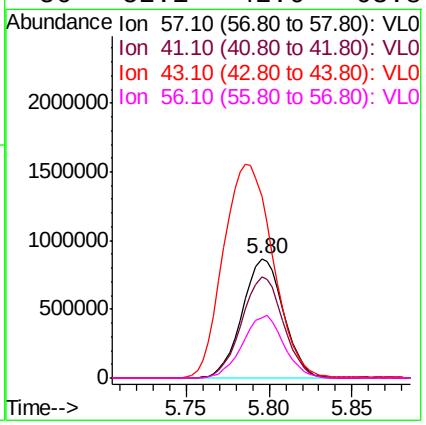


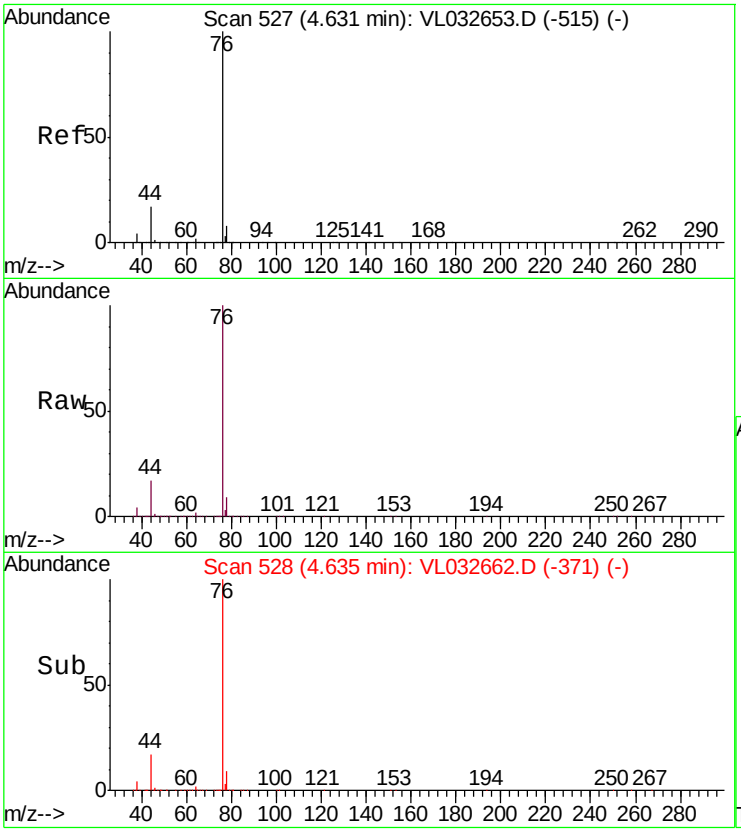


#26
Hexane
Concen: 9.051 ppbv
RT: 5.80 min Scan# 889
Delta R.T. 0.00 min
Lab File: VL032662.D
Acq: 19 Oct 2018 00:24

Tgt Ion: 57 Resp: 1509817

Ion	Ratio	Lower	Upper
57	100		
41	85.3	67.4	101.0
43	215.1	171.9	257.9
56	52.1	42.6	63.8



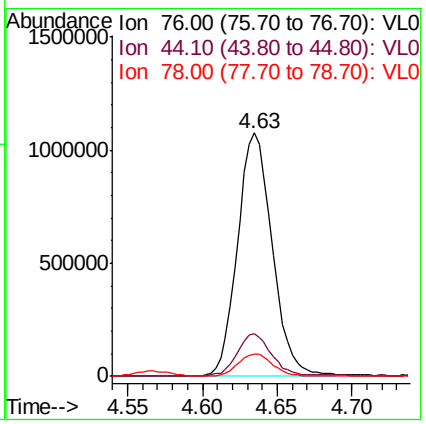


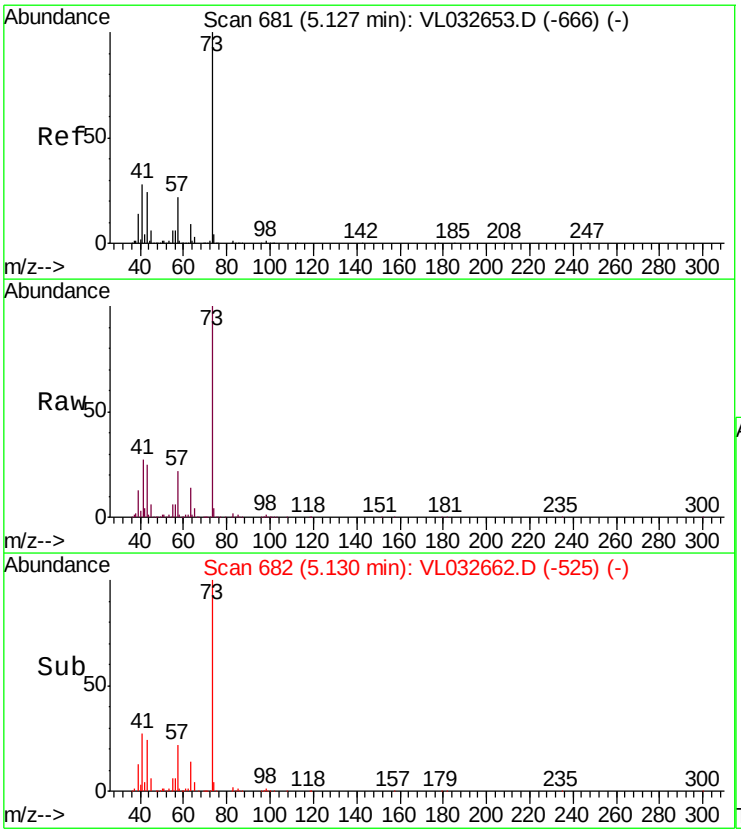
#27
Carbon Disulfide
Concen: 8.616 ppbv
RT: 4.63 min Scan# 528
Delta R.T. 0.00 min
Lab File: VL032662.D
Acq: 19 Oct 2018 00:24

Instrument :
MSVOA_L
ClientSampleId :
VL1018ABS01

Tgt Ion: 76 Resp: 1743474

Ion	Ratio	Lower	Upper
76	100		
44	16.9	13.7	20.5
78	9.3	7.4	11.2

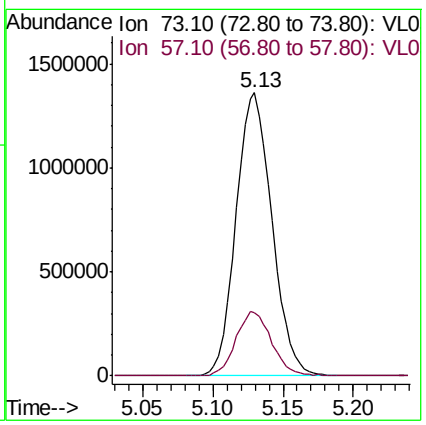


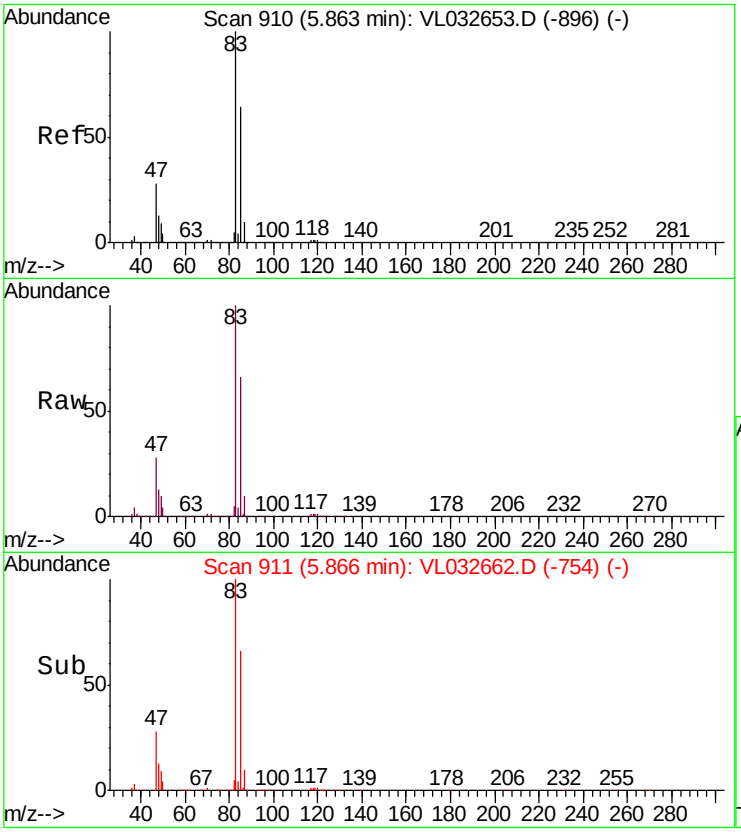


#28
Methyl tert-Butyl Ether
Concen: 10.123 ppbv
RT: 5.13 min Scan# 682
Delta R.T. 0.00 min
Lab File: VL032662.D
Acq: 19 Oct 2018 00:24

Tgt Ion: 73 Resp: 2426753

Ion	Ratio	Lower	Upper
73	100		
57	22.8	18.0	27.0



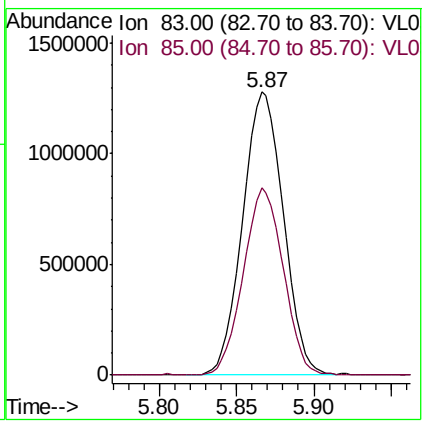


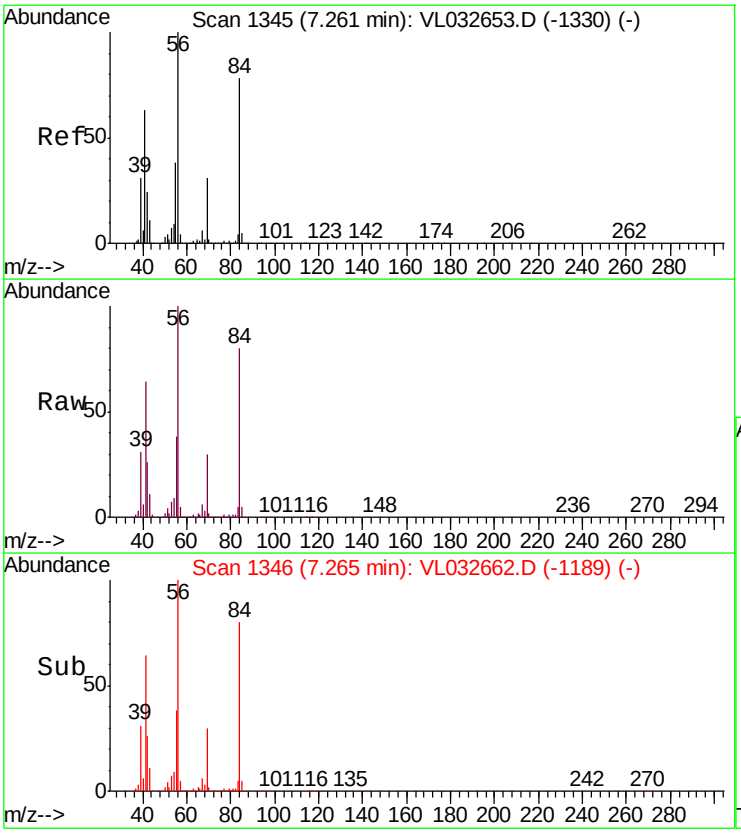
#29
Chloroform
Concen: 8.816 ppbv
RT: 5.87 min Scan# 911
Delta R.T. 0.00 min
Lab File: VL032662.D
Acq: 19 Oct 2018 00:24

Instrument :
MSVOA_L
ClientSampleId :
VL1018ABS01

Tgt Ion: 83 Resp: 2349024

Ion	Ratio	Lower	Upper
83	100		
85	66.0	53.0	79.6

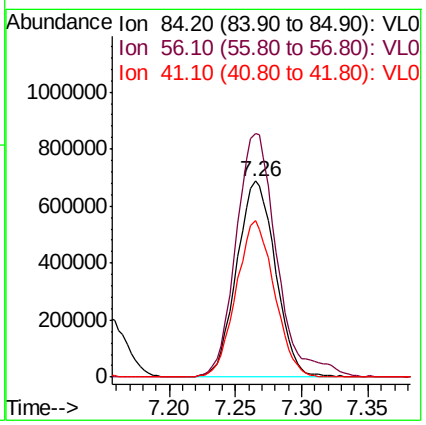


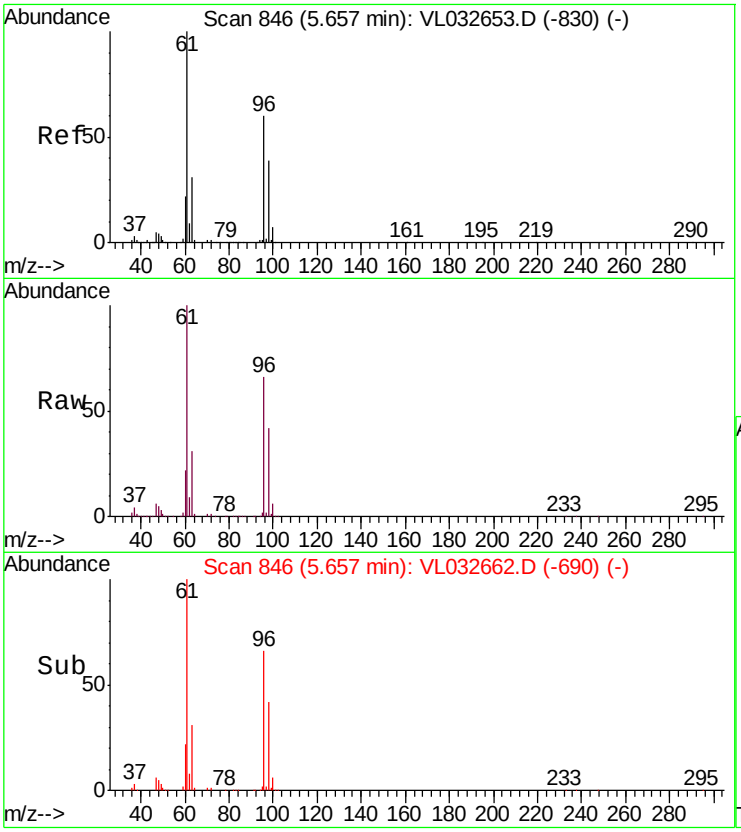


#30
Cyclohexane
Concen: 10.572 ppbv
RT: 7.26 min Scan# 1346
Delta R.T. 0.00 min
Lab File: VL032662.D
Acq: 19 Oct 2018 00:24

Tgt Ion: 84 Resp: 1395880

Ion	Ratio	Lower	Upper
84	100		
56	131.8	108.3	162.5
41	79.0	64.8	97.2



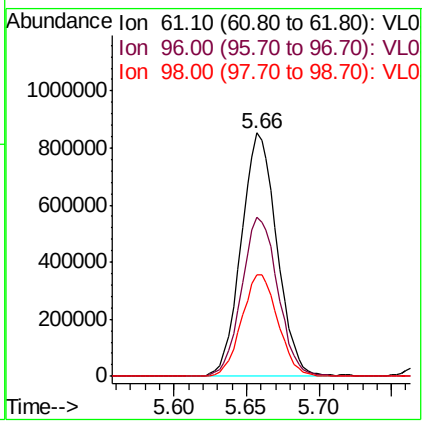


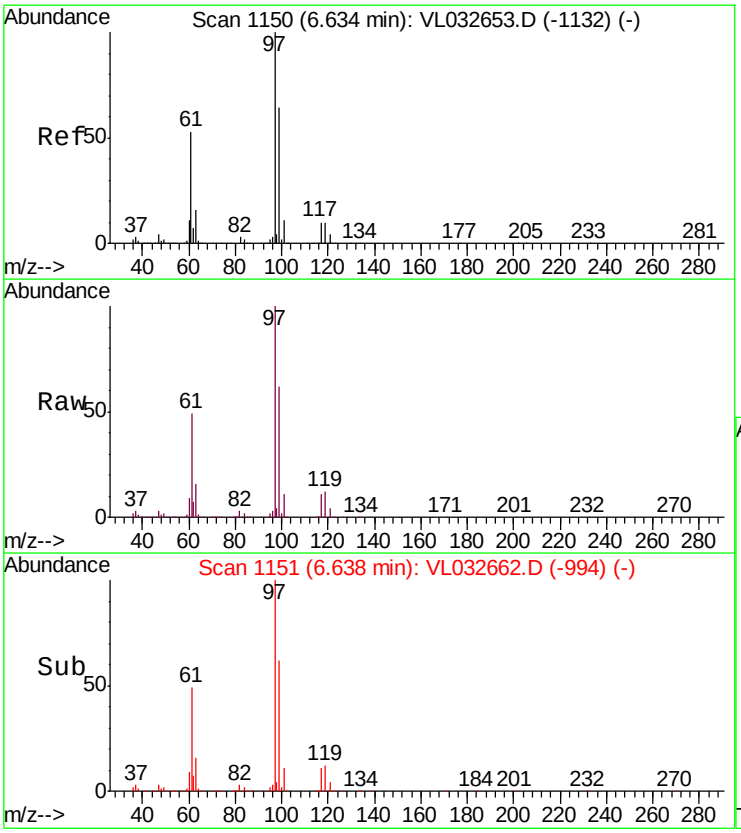
#31
cis-1,2-Dichloroethene
Concen: 9.433 ppbv
RT: 5.66 min Scan# 846
Delta R.T. 0.00 min
Lab File: VL032662.D
Acq: 19 Oct 2018 00:24

Instrument :
MSVOA_L
ClientSampleId :
VL1018ABS01

Tgt Ion: 61 Resp: 1459045

Ion	Ratio	Lower	Upper
61	100		
96	65.6	51.8	77.6
98	41.9	33.8	50.6

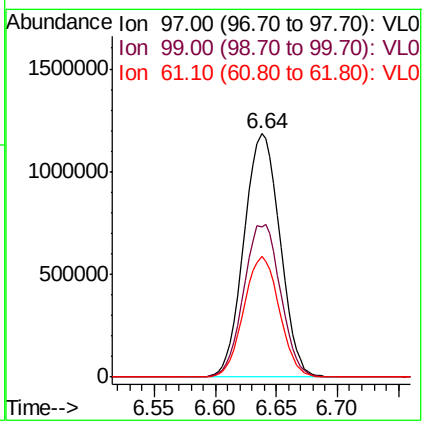


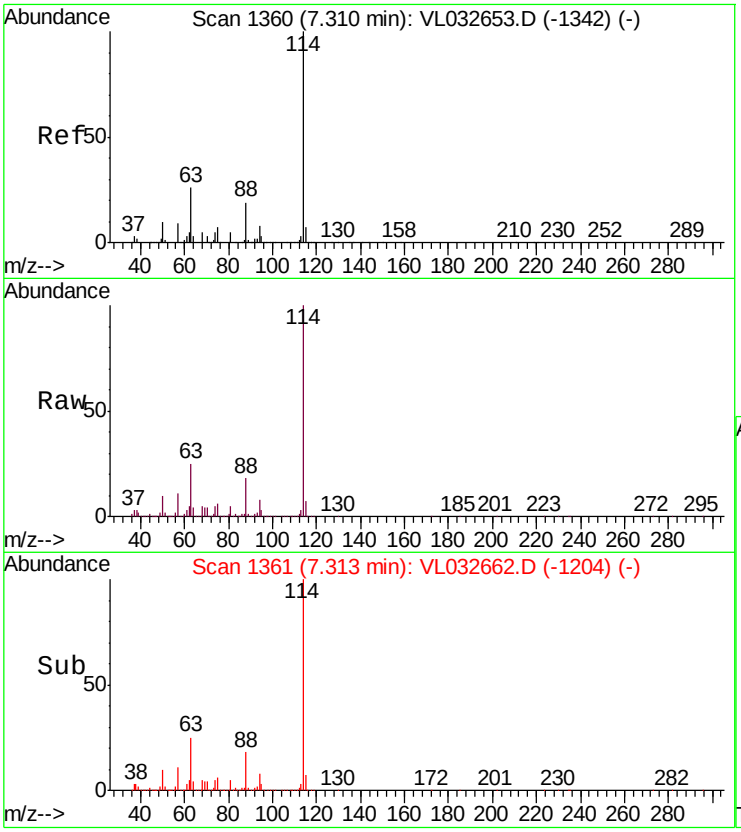


#32
1,1,1-Trichloroethane
Concen: 8.916 ppbv
RT: 6.64 min Scan# 1151
Delta R.T. 0.00 min
Lab File: VL032662.D
Acq: 19 Oct 2018 00:24

Tgt Ion: 97 Resp: 2414175

Ion	Ratio	Lower	Upper
97	100		
99	64.2	52.0	78.0
61	49.1	40.7	61.1



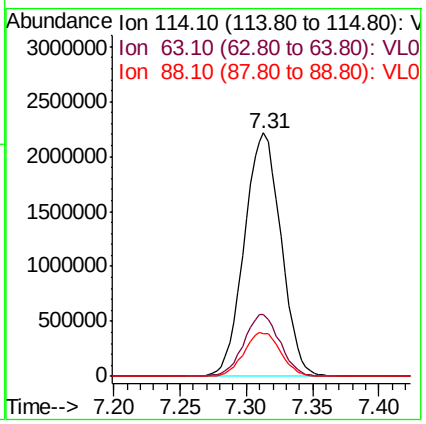


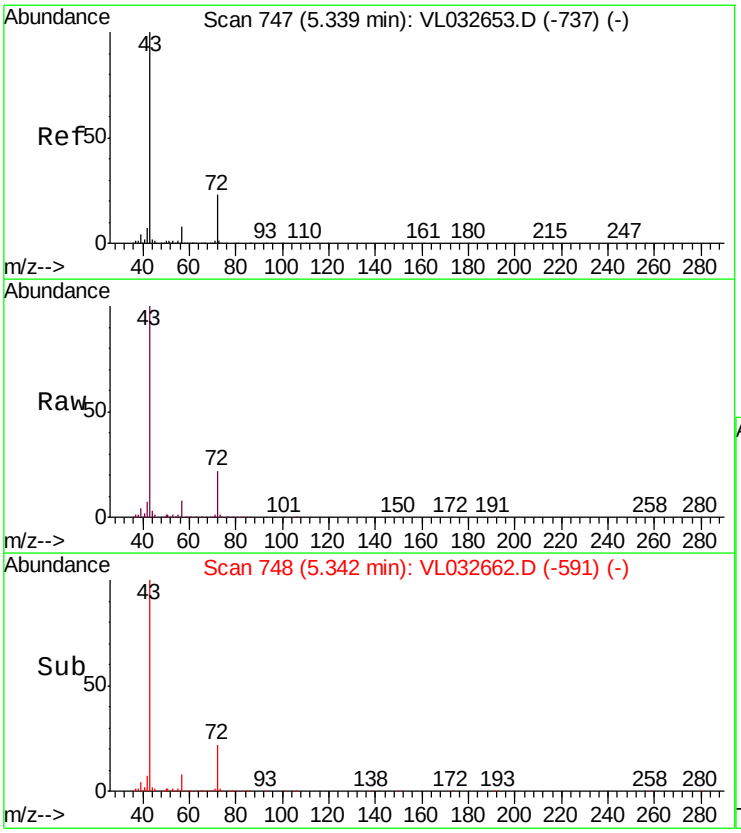
#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 7.31 min Scan# 1361
Delta R.T. 0.00 min
Lab File: VL032662.D
Acq: 19 Oct 2018 00:24

Instrument :
MSVOA_L
ClientSampleId :
VL1018ABS01

Tgt Ion:114 Resp: 4254065

Ion	Ratio	Lower	Upper
114	100		
63	25.2	21.7	32.5
88	18.0	14.9	22.3

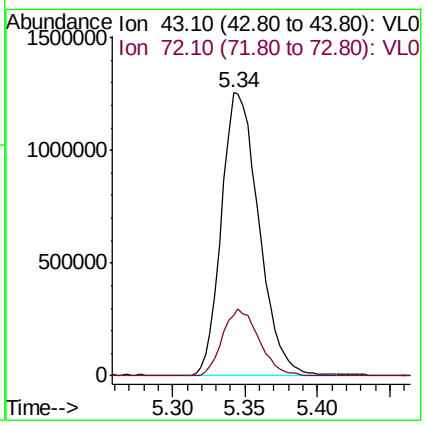


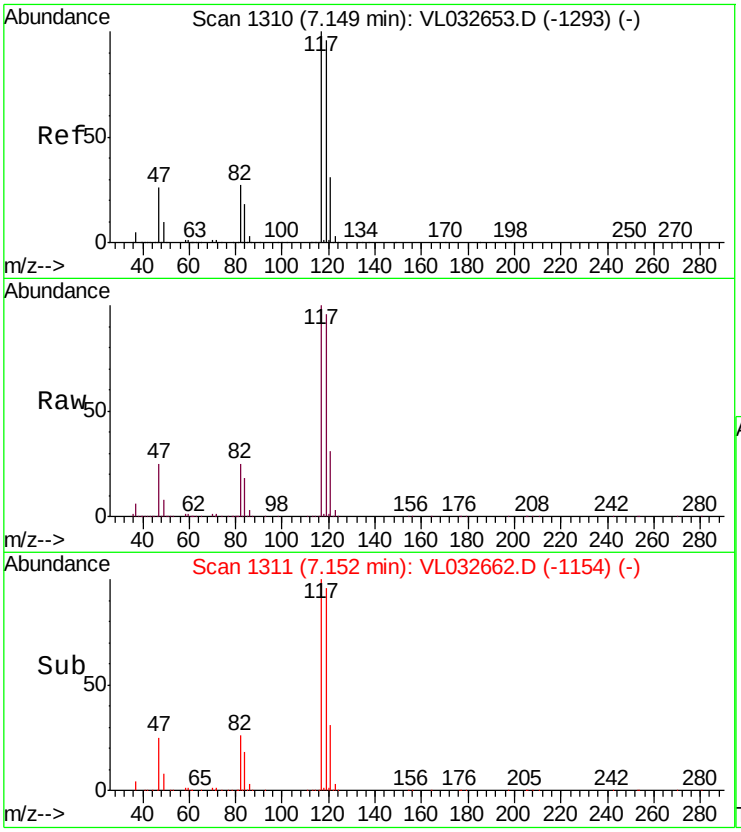


#34
2-Butanone
Concen: 9.785 ppbv
RT: 5.34 min Scan# 748
Delta R.T. 0.00 min
Lab File: VL032662.D
Acq: 19 Oct 2018 00:24

Tgt Ion: 43 Resp: 2231484

Ion	Ratio	Lower	Upper
43	100		
72	23.6	18.6	27.8



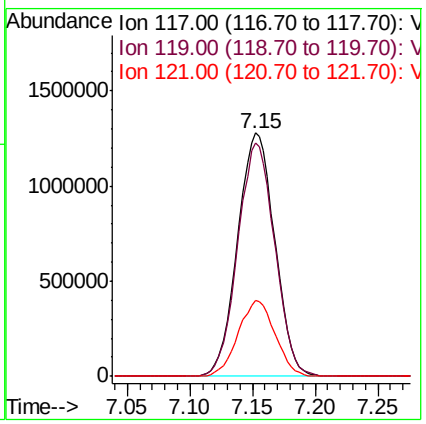


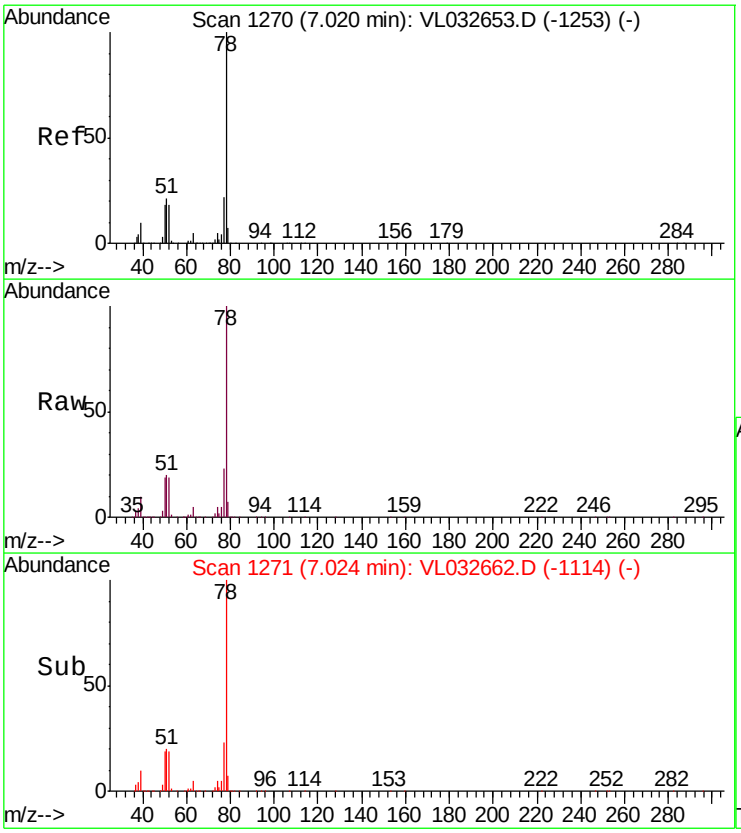
#35
Carbon Tetrachloride
Concen: 8.718 ppbv
RT: 7.15 min Scan# 1311
Delta R.T. 0.00 min
Lab File: VL032662.D
Acq: 19 Oct 2018 00:24

Instrument :
MSVOA_L
ClientSampleId :
VL1018ABS01

Tgt Ion:117 Resp: 2632140

Ion	Ratio	Lower	Upper
117	100		
119	95.7	75.7	113.5
121	31.1	24.7	37.1

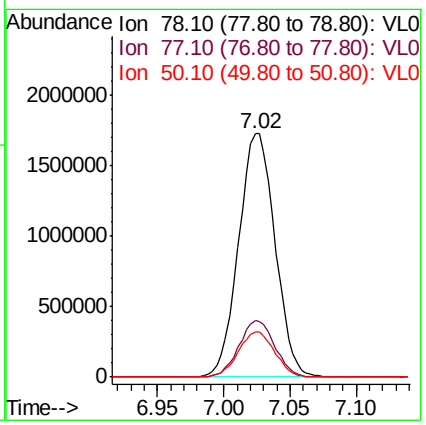


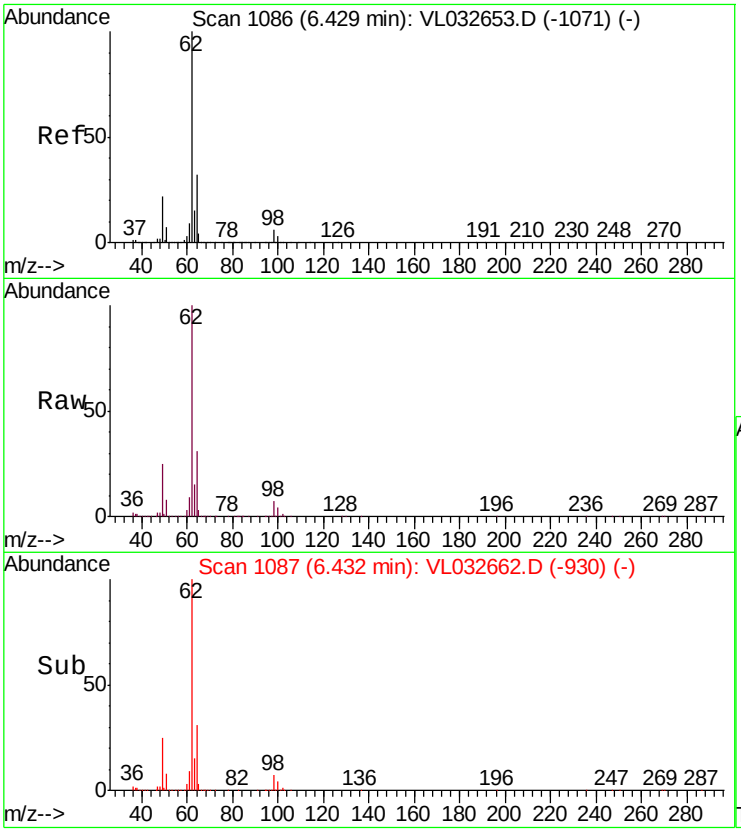


#36
Benzene
Concen: 9.567 ppbv
RT: 7.02 min Scan# 1271
Delta R.T. 0.00 min
Lab File: VL032662.D
Acq: 19 Oct 2018 00:24

Tgt Ion: 78 Resp: 3305096

Ion	Ratio	Lower	Upper
78	100		
77	23.2	18.1	27.1
50	18.5	15.1	22.7



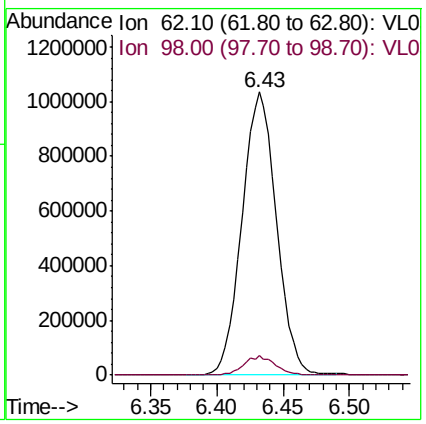


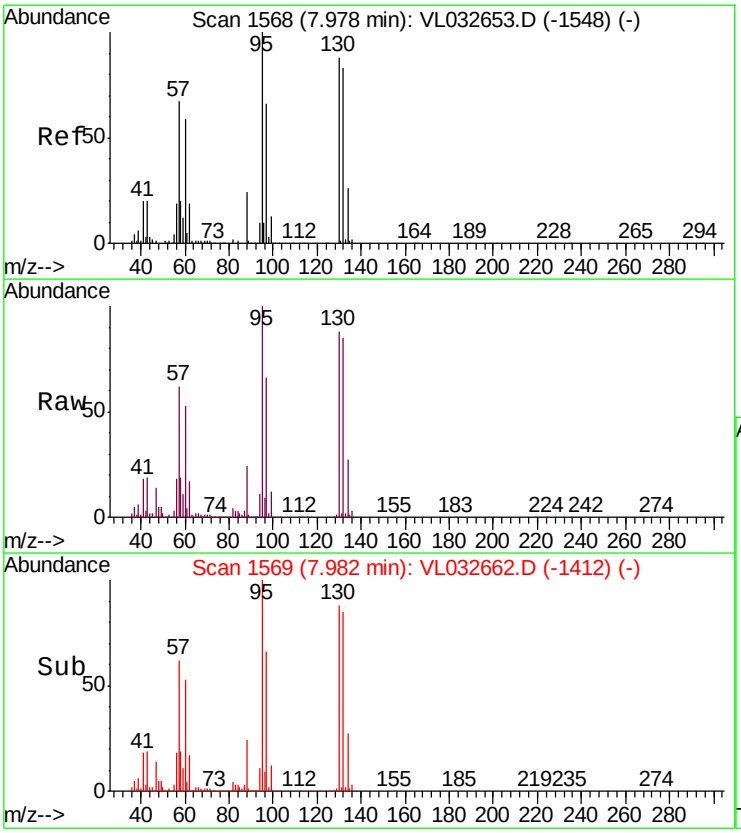
#37
1,2-Dichloroethane
Concen: 8.816 ppbv
RT: 6.43 min Scan# 1087
Delta R.T. 0.00 min
Lab File: VL032662.D
Acq: 19 Oct 2018 00:24

Instrument :
MSVOA_L
ClientSampleId :
VL1018ABS01

Tgt Ion: 62 Resp: 1868036

Ion	Ratio	Lower	Upper
62	100		
98	6.3	4.4	6.6

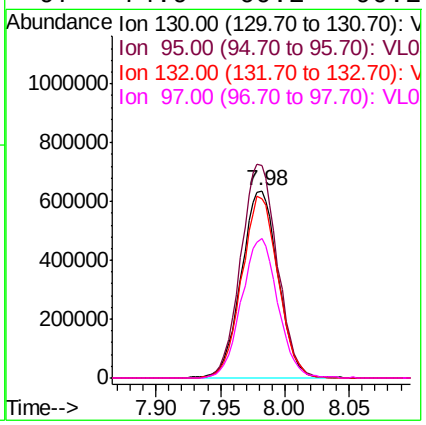


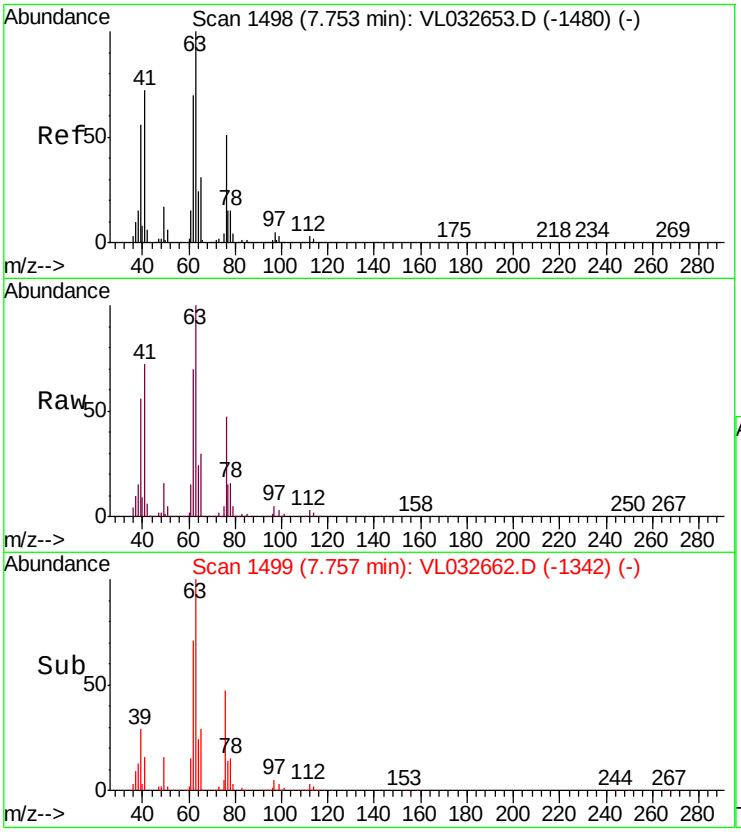


#38
Trichloroethene
Concen: 9.816 ppbv
RT: 7.98 min Scan# 1569
Delta R.T. 0.00 min
Lab File: VL032662.D
Acq: 19 Oct 2018 00:24

Tgt Ion:130 Resp: 1255295

Ion	Ratio	Lower	Upper
130	100		
95	113.7	93.4	140.0
132	96.1	76.5	114.7
97	74.9	60.2	90.2



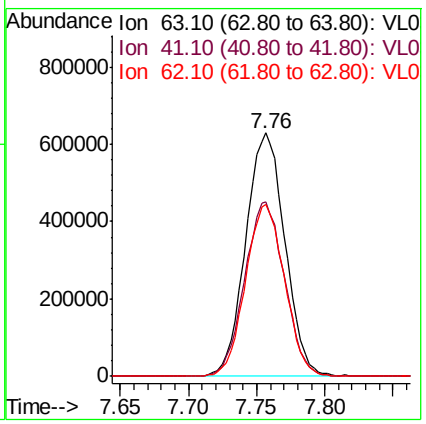


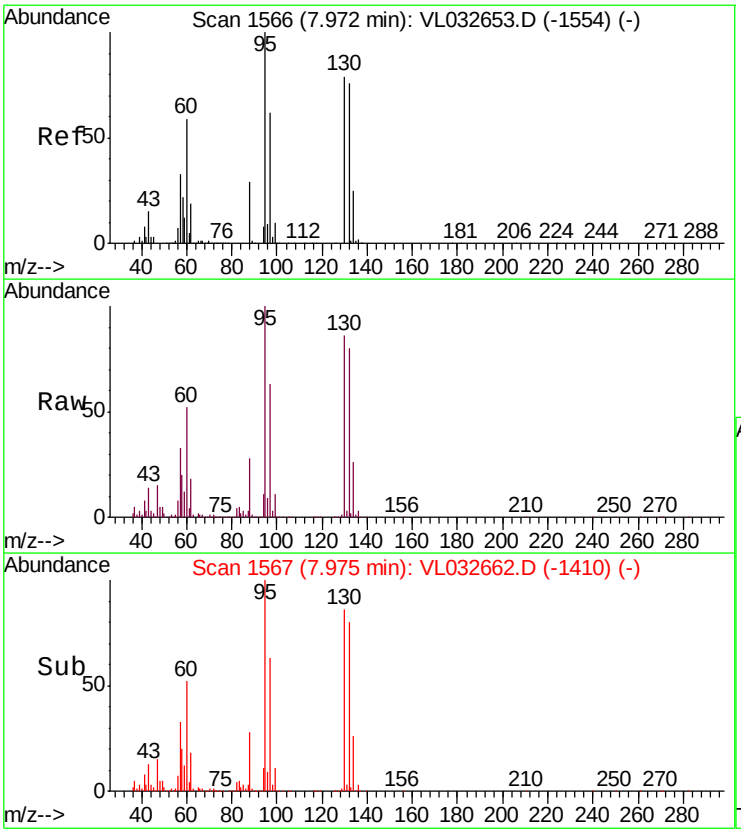
#39
1,2-Dichloropropane
Concen: 9.418 ppbv
RT: 7.76 min Scan# 1499
Delta R.T. 0.00 min
Lab File: VL032662.D
Acq: 19 Oct 2018 00:24

Instrument : MSVOA_L
ClientSampleId : VL1018ABS01

Tgt Ion: 63 Resp: 1256397

Ion	Ratio	Lower	Upper
63	100		
41	71.5	56.2	84.4
62	70.4	54.4	81.6

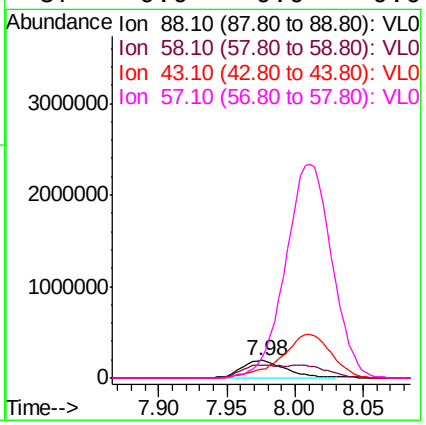


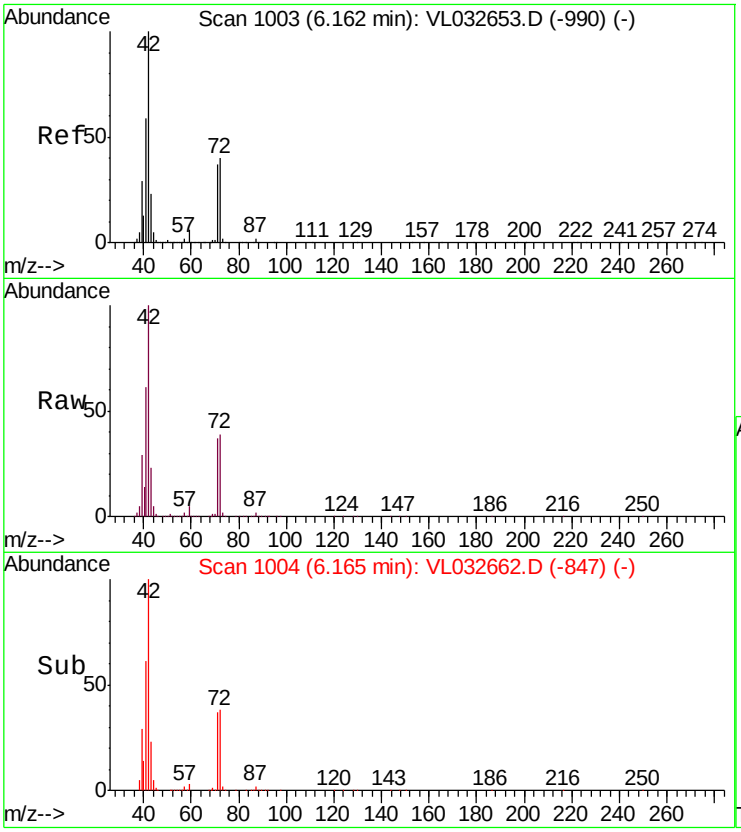


#40
1,4-Dioxane
Concen: 9.419 ppbv
RT: 7.98 min Scan# 1567
Delta R.T. 0.00 min
Lab File: VL032662.D
Acq: 19 Oct 2018 00:24

Tgt Ion: 88 Resp: 429126

Ion	Ratio	Lower	Upper
88	100		
58	134.5	104.0	156.0
43	0.0	0.0	0.0
57	0.0	0.0	0.0



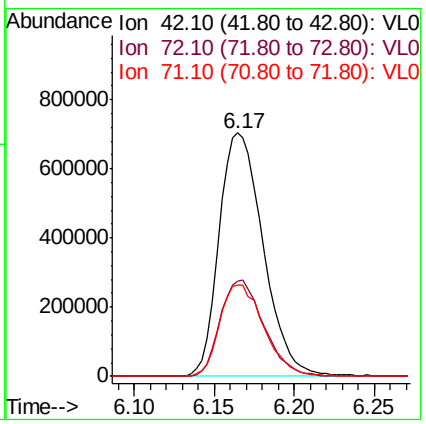


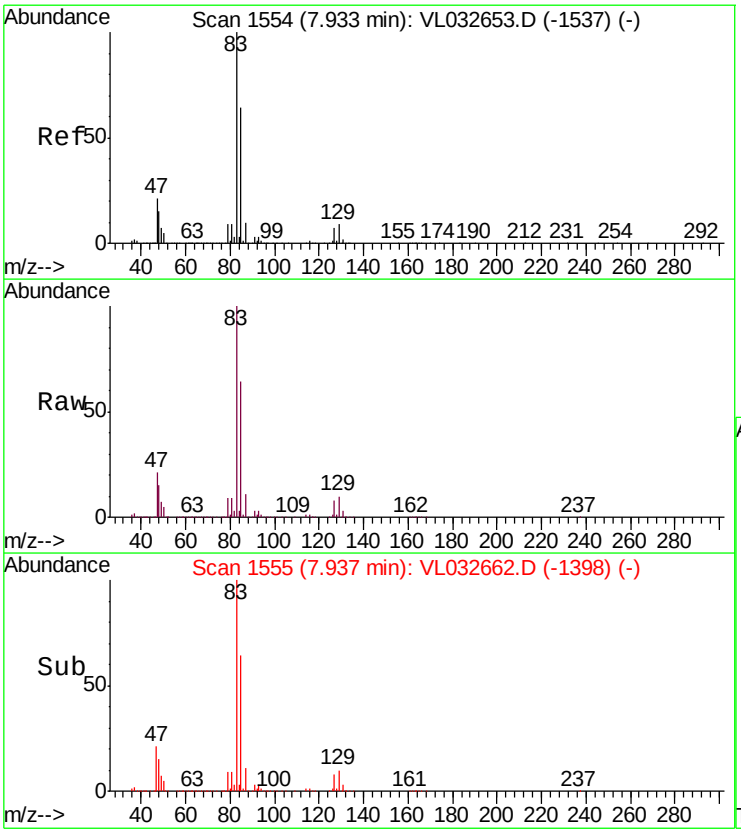
#41
Tetrahydrofuran
Concen: 10.395 ppbv
RT: 6.17 min Scan# 1004
Delta R.T. 0.00 min
Lab File: VL032662.D
Acq: 19 Oct 2018 00:24

Instrument : MSVOA_L
ClientSampleId : VL1018ABS01

Tgt Ion: 42 Resp: 1320991

Ion	Ratio	Lower	Upper
42	100		
72	39.5	32.4	48.6
71	38.3	31.3	46.9

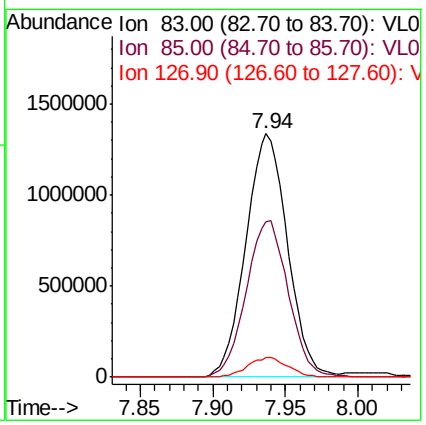


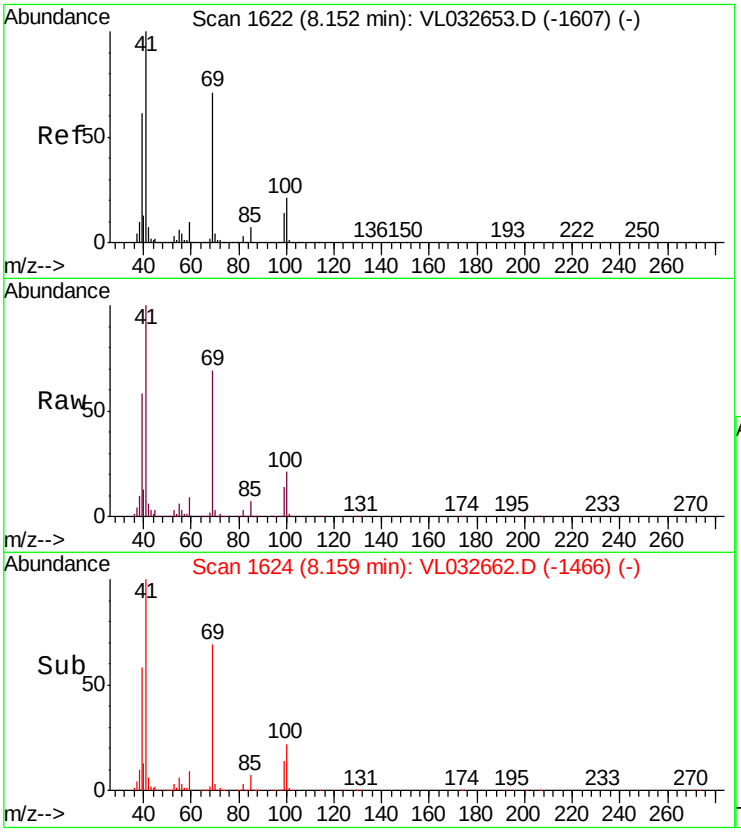


#42
Bromodichloromethane
Concen: 9.005 ppbv
RT: 7.94 min Scan# 1555
Delta R.T. 0.00 min
Lab File: VL032662.D
Acq: 19 Oct 2018 00:24

Tgt Ion: 83 Resp: 2673214

Ion	Ratio	Lower	Upper
83	100		
85	63.8	52.4	78.6
127	7.9	6.1	9.1



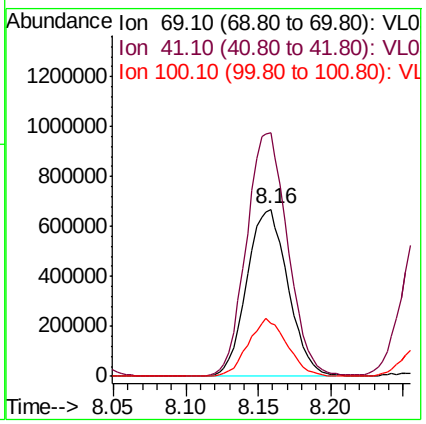


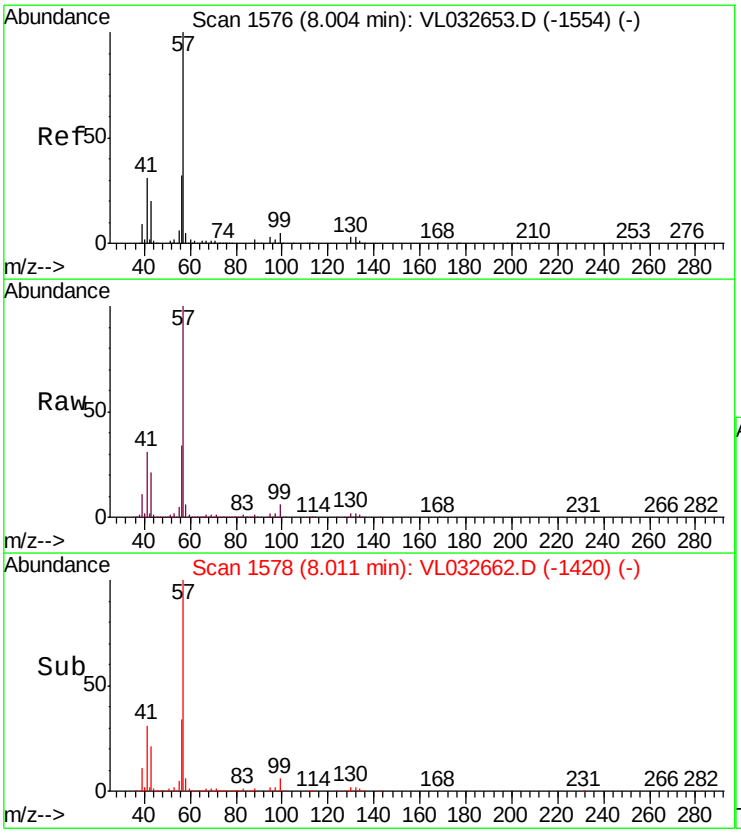
#43
Methyl Methacrylate
Concen: 10.467 ppbv
RT: 8.16 min Scan# 1624
Delta R.T. 0.01 min
Lab File: VL032662.D
Acq: 19 Oct 2018 00:24

Instrument : MSVOA_L
ClientSampleId : VL1018ABS01

Tgt Ion: 69 Resp: 1325179

Ion	Ratio	Lower	Upper
69	100		
41	145.9	113.2	169.8
100	32.7	24.4	36.6

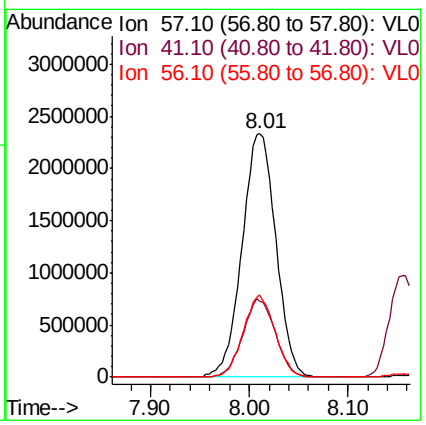


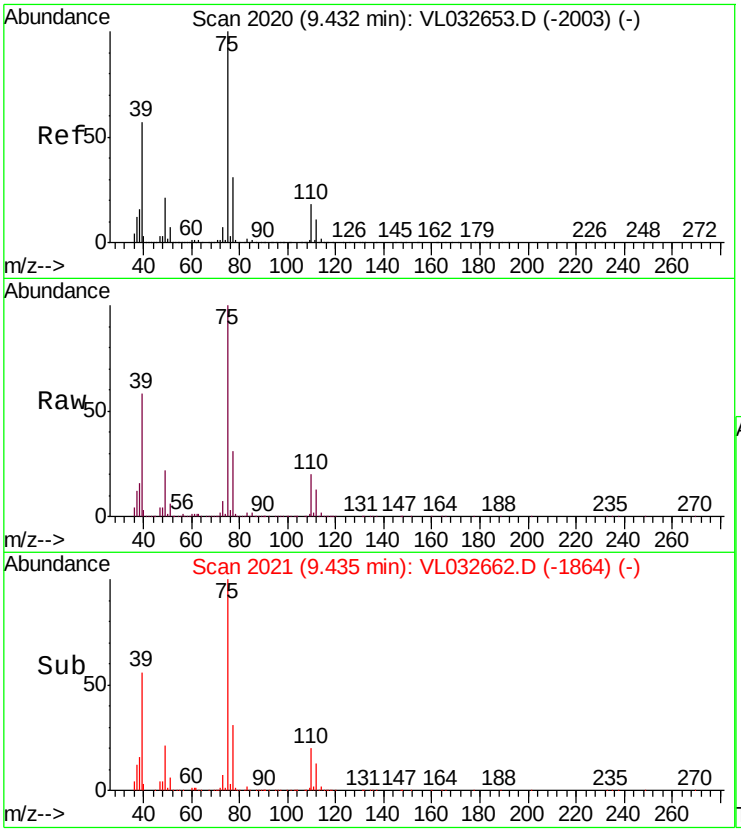


#44
2,2,4-Trimethylpentane
Concen: 9.360 ppbv
RT: 8.01 min Scan# 1578
Delta R.T. 0.01 min
Lab File: VL032662.D
Acq: 19 Oct 2018 00:24

Tgt Ion: 57 Resp: 5519814

Ion	Ratio	Lower	Upper
57	100		
41	30.9	24.7	37.1
56	31.7	25.0	37.4



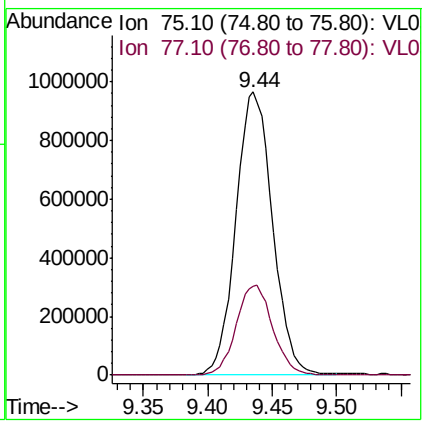


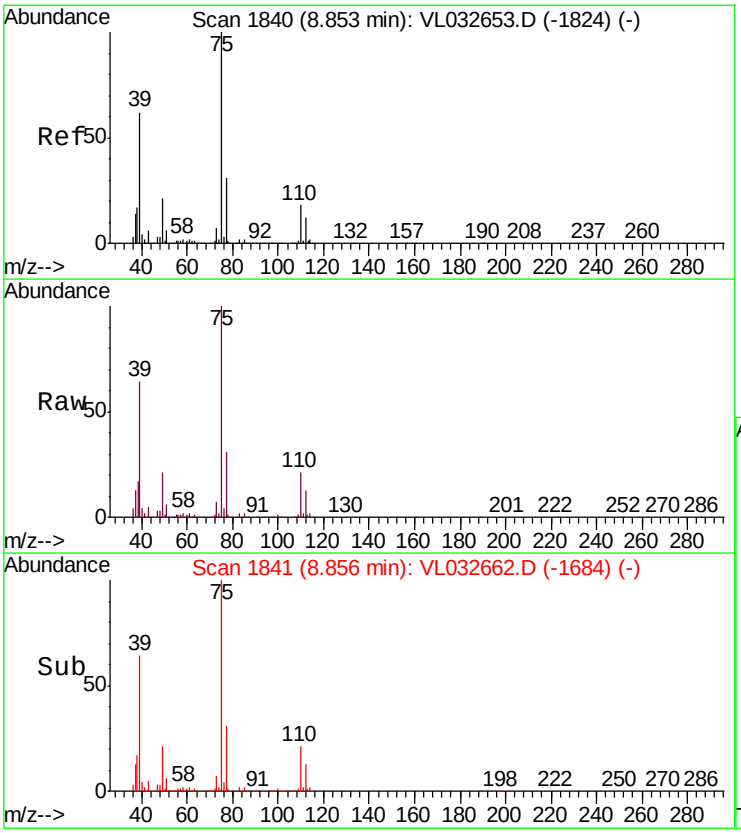
#45
t-1,3-Dichloropropene
Concen: 11.253 ppbv
RT: 9.44 min Scan# 2021
Delta R.T. 0.00 min
Lab File: VL032662.D
Acq: 19 Oct 2018 00:24

Instrument :
MSVOA_L
ClientSampleId :
VL1018ABS01

Tgt Ion: 75 Resp: 1907060

Ion	Ratio	Lower	Upper
75	100		
77	31.4	25.3	37.9

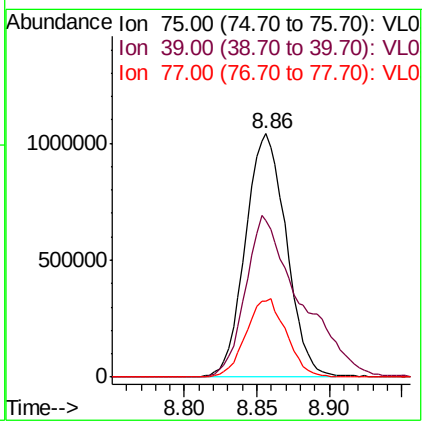


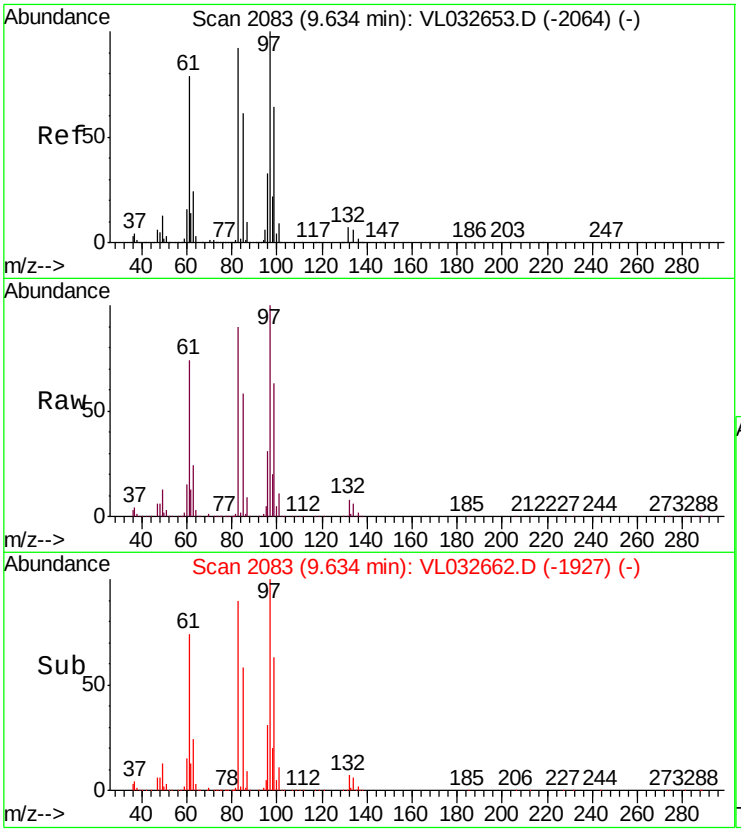


#46
cis-1,3-Dichloropropene
Concen: 10.563 ppbv
RT: 8.86 min Scan# 1841
Delta R.T. 0.00 min
Lab File: VL032662.D
Acq: 19 Oct 2018 00:24

Tgt Ion: 75 Resp: 2045331

Ion	Ratio	Lower	Upper
75	100		
39	64.3	50.9	76.3
77	31.3	25.8	38.6



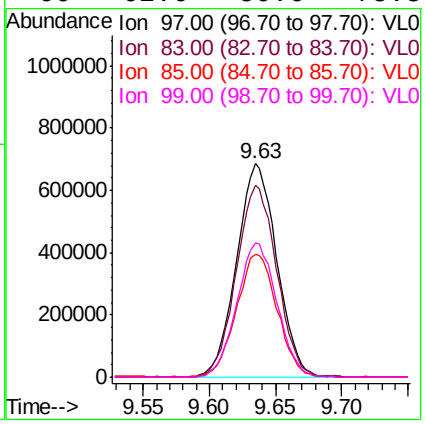


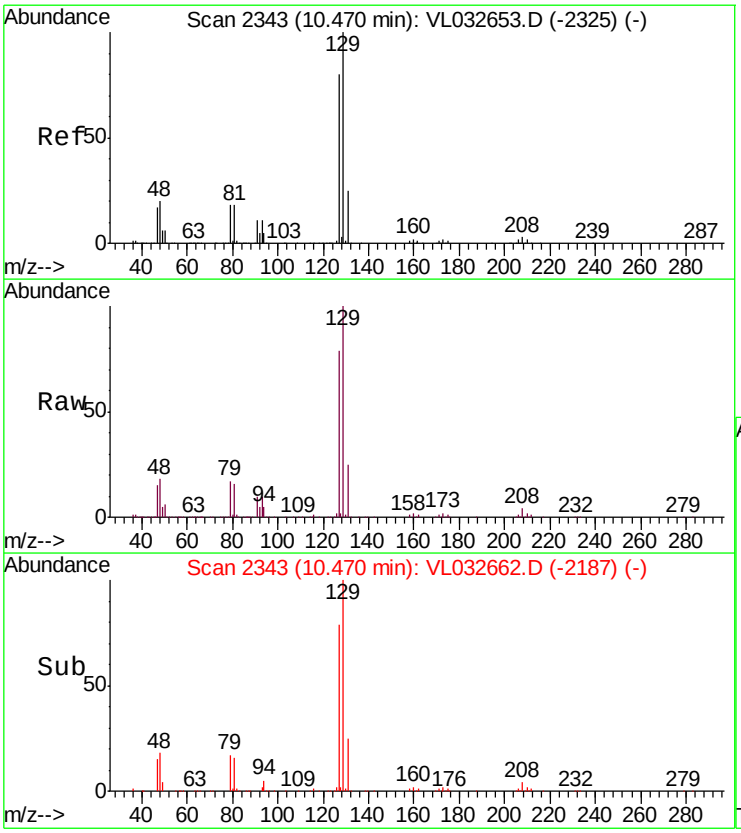
#47
1,1,2-Trichloroethane
Concen: 9.179 ppbv
RT: 9.63 min Scan# 2083
Delta R.T. 0.00 min
Lab File: VL032662.D
Acq: 19 Oct 2018 00:24

Instrument :
MSVOA_L
ClientSampleId :
VL1018ABS01

Tgt Ion: 97 Resp: 1446770

Ion	Ratio	Lower	Upper
97	100		
83	89.6	73.5	110.3
85	57.4	45.8	68.6
99	62.6	50.6	75.8

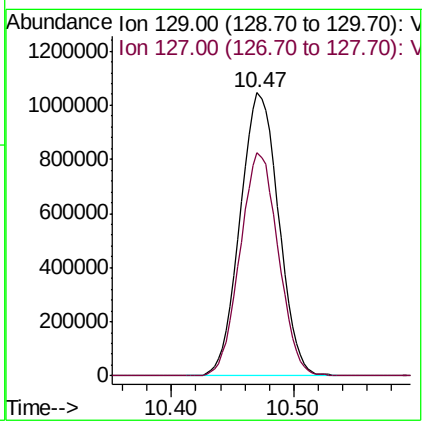


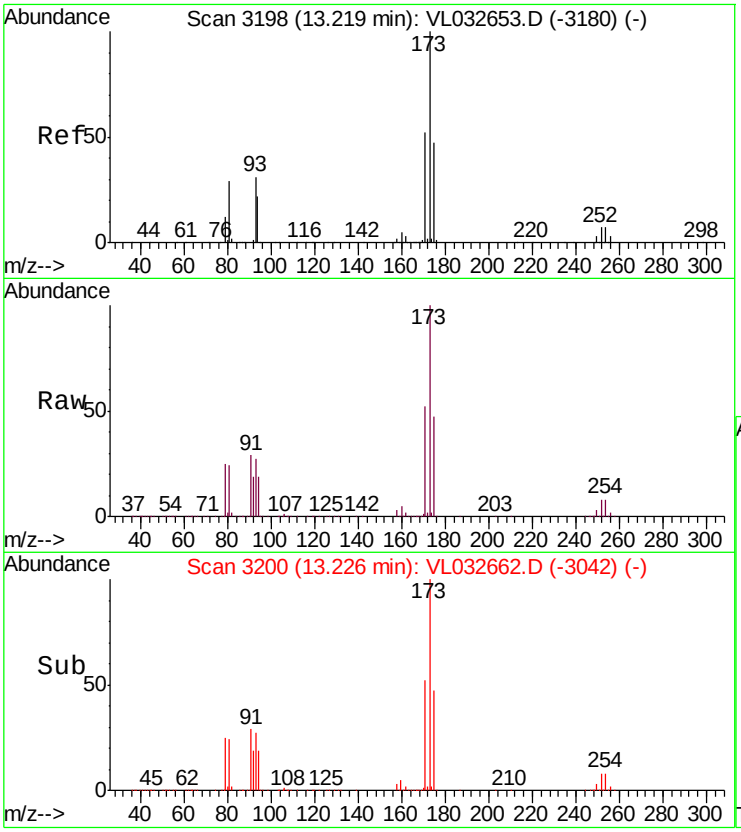


#48
Dibromochloromethane
Concen: 8.682 ppbv
RT: 10.47 min Scan# 2343
Delta R.T. 0.00 min
Lab File: VL032662.D
Acq: 19 Oct 2018 00:24

Tgt Ion:129 Resp: 2280963

Ion	Ratio	Lower	Upper
129	100		
127	78.2	39.1	117.5



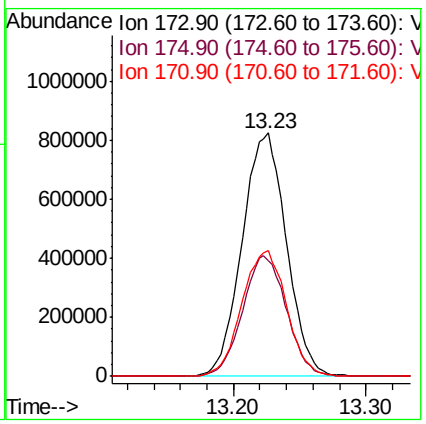


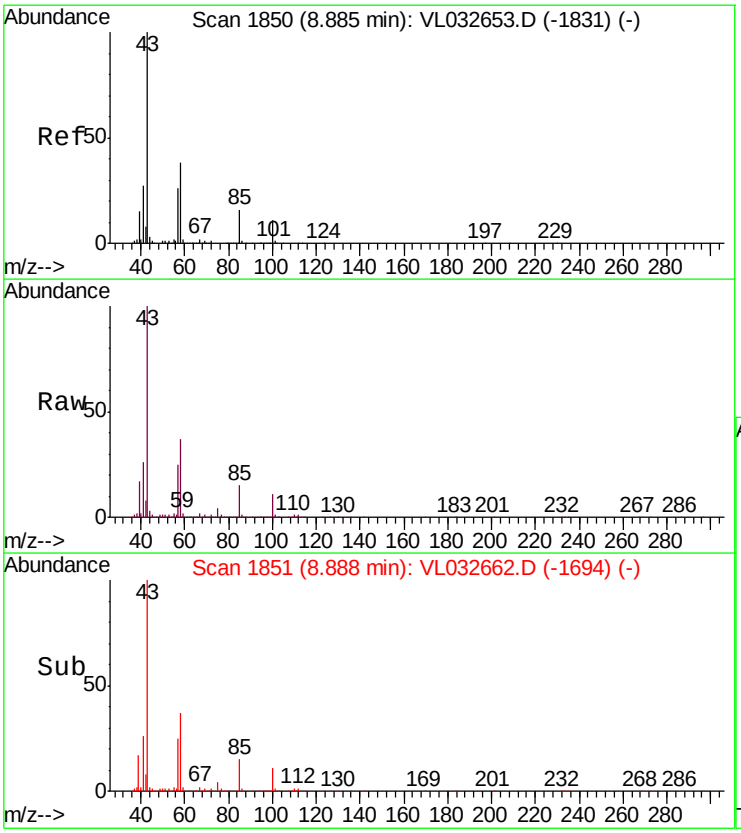
#49
Bromoform
Concen: 9.290 ppbv
RT: 13.23 min Scan# 3200
Delta R.T. 0.01 min
Lab File: VL032662.D
Acq: 19 Oct 2018 00:24

Instrument : MSVOA_L
ClientSampleId : VL1018ABS01

Tgt Ion:173 Resp: 1917945

Ion	Ratio	Lower	Upper
173	100		
175	49.2	39.0	58.4
171	52.2	42.2	63.2

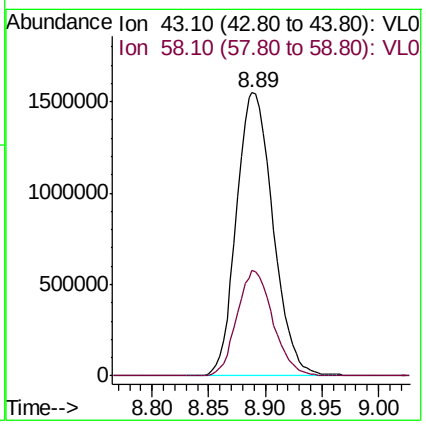


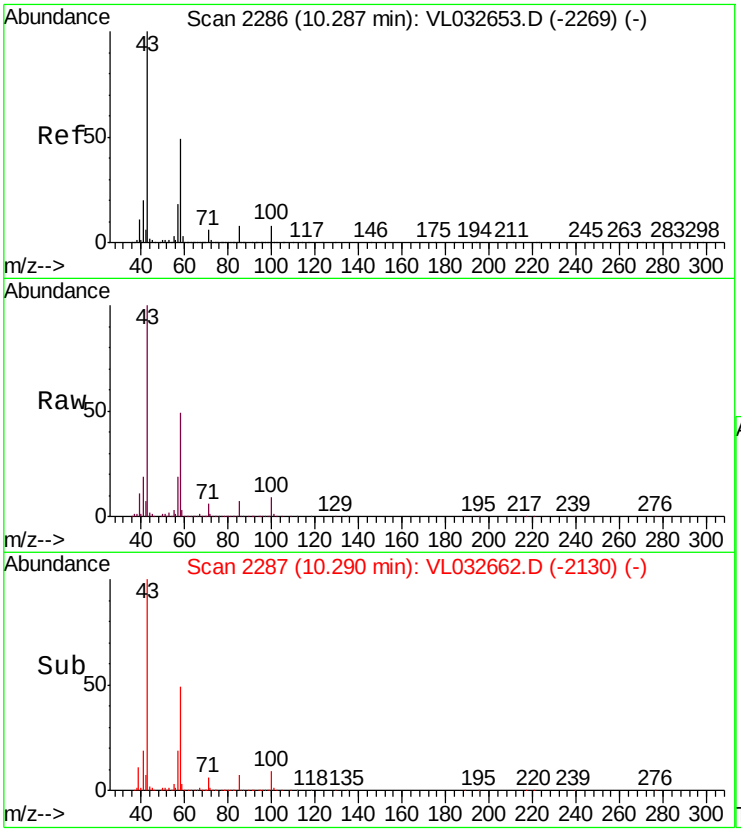


#50
4-Methyl-2-Pentanone
Concen: 10.335 ppbv
RT: 8.89 min Scan# 1851
Delta R.T. 0.00 min
Lab File: VL032662.D
Acq: 19 Oct 2018 00:24

Tgt Ion: 43 Resp: 3491713

Ion	Ratio	Lower	Upper
43	100		
58	36.5	29.7	44.5



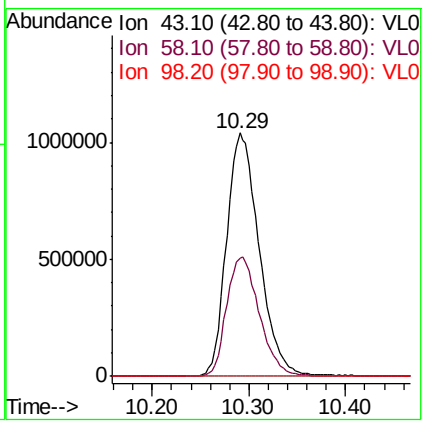


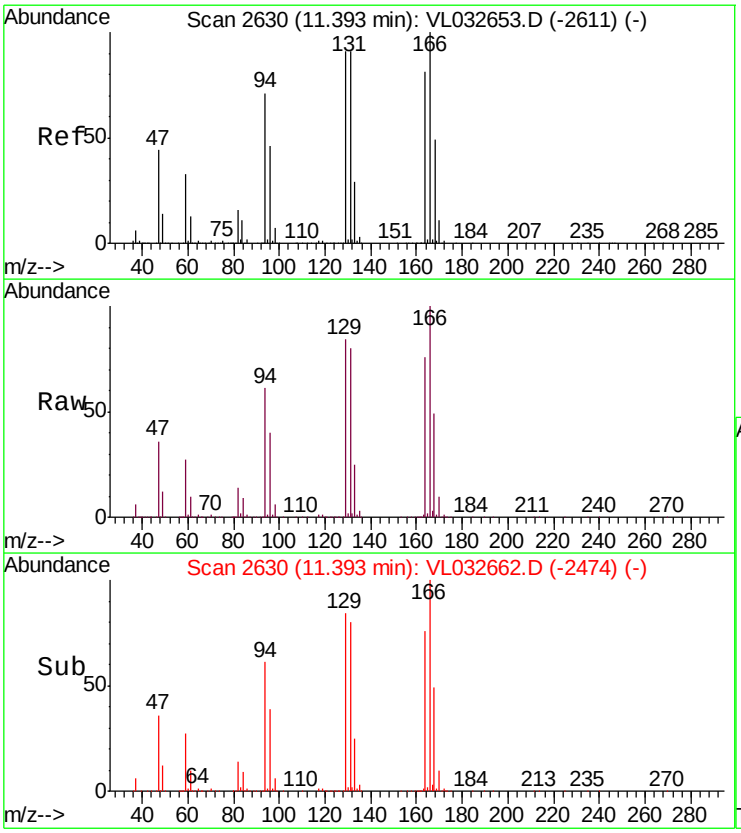
#51
2-Hexanone
Concen: 9.689 ppbv
RT: 10.29 min Scan# 2287
Delta R.T. 0.00 min
Lab File: VL032662.D
Acq: 19 Oct 2018 00:24

Instrument : MSVOA_L
ClientSampleId : VL1018ABS01

Tgt Ion: 43 Resp: 2433329

Ion	Ratio	Lower	Upper
43	100		
58	49.5	40.4	60.6
98	0.2	0.4	0.6#

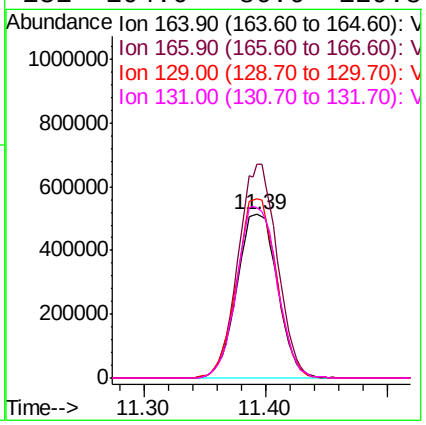


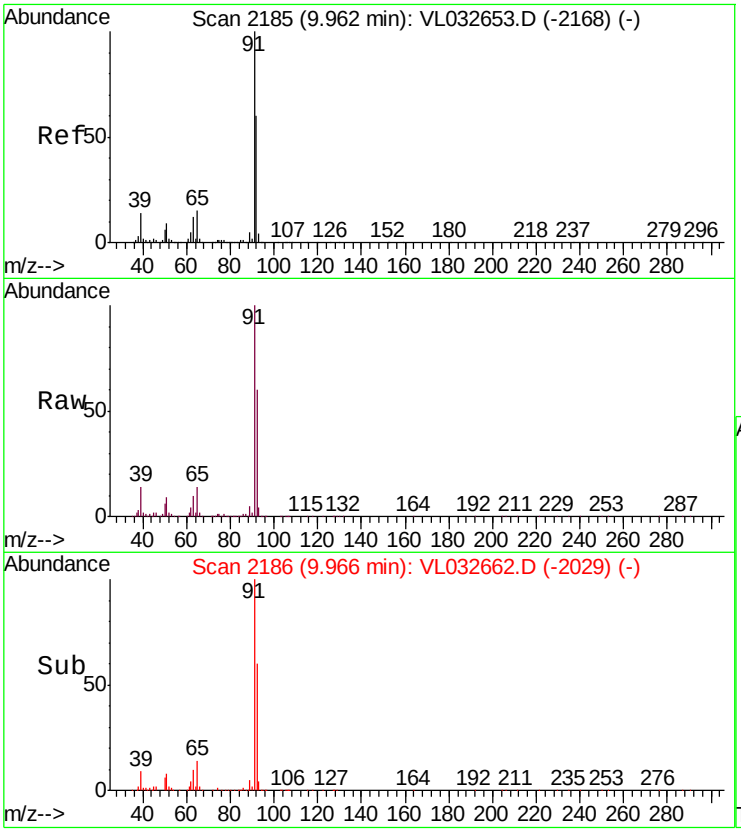


#52
Tetrachloroethene
Concen: 9.779 ppbv
RT: 11.39 min Scan# 2630
Delta R.T. 0.00 min
Lab File: VL032662.D
Acq: 19 Oct 2018 00:24

Tgt Ion:164 Resp: 1177783

Ion	Ratio	Lower	Upper
164	100		
166	130.8	100.5	150.7
129	109.8	90.0	135.0
131	104.0	86.6	129.8



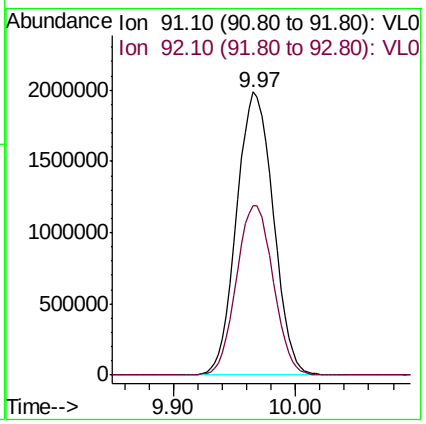


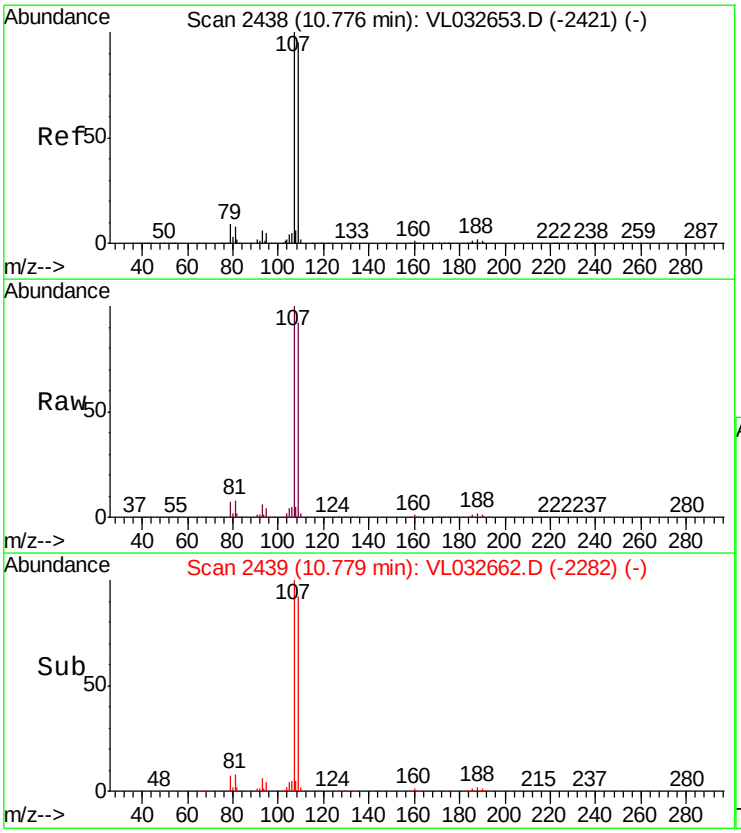
#53
Toluene
Concen: 10.428 ppbv
RT: 9.97 min Scan# 2186
Delta R.T. 0.00 min
Lab File: VL032662.D
Acq: 19 Oct 2018 00:24

Instrument :
MSVOA_L
ClientSampleId :
VL1018ABS01

Tgt Ion: 91 Resp: 4129521

Ion	Ratio	Lower	Upper
91	100		
92	60.1	48.4	72.6

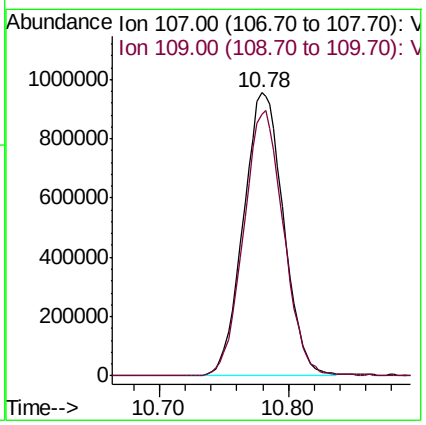


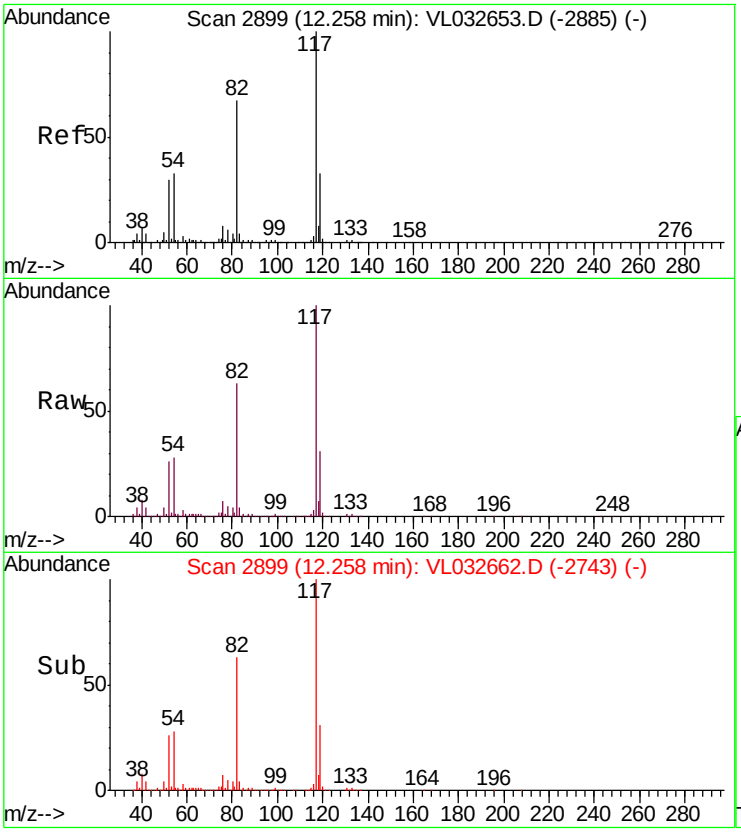


#54
1,2-Dibromoethane
Concen: 9.676 ppbv
RT: 10.78 min Scan# 2439
Delta R.T. 0.00 min
Lab File: VL032662.D
Acq: 19 Oct 2018 00:24

Tgt Ion:107 Resp: 2072947

Ion	Ratio	Lower	Upper
107	100		
109	92.2	75.3	112.9



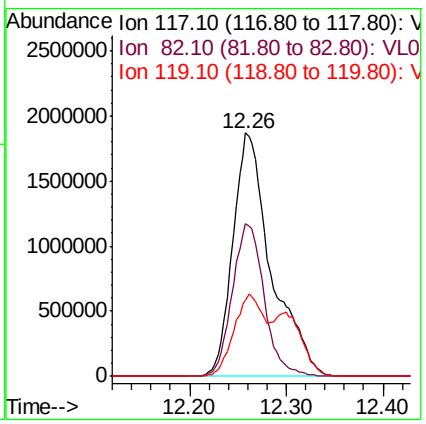


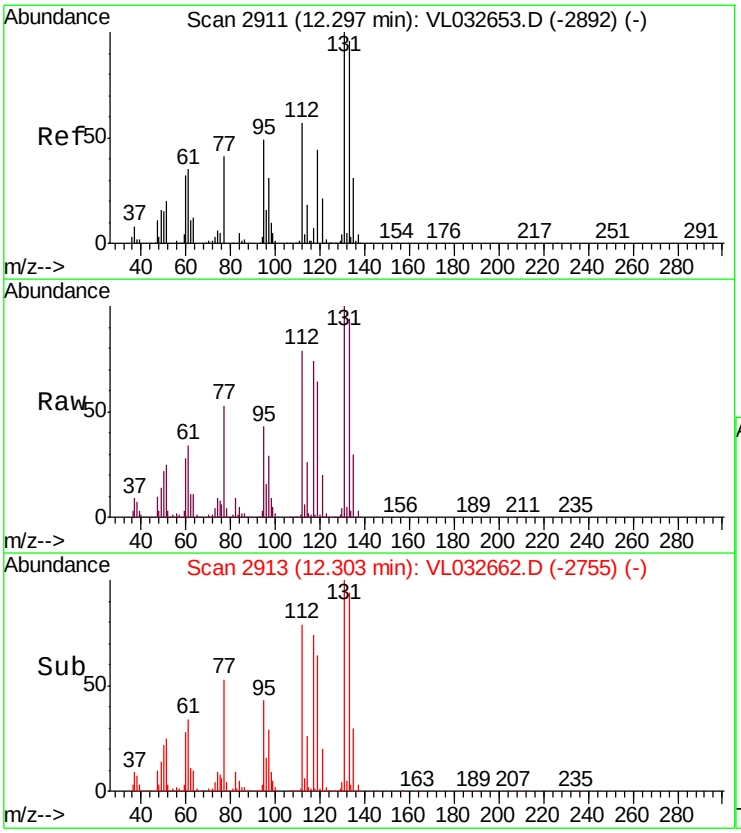
#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 12.26 min Scan# 2899
Delta R.T. 0.00 min
Lab File: VL032662.D
Acq: 19 Oct 2018 00:24

Instrument : MSVOA_L
ClientSampleId : VL1018ABS01

Tgt Ion:117 Resp: 5156175

Ion	Ratio	Lower	Upper
117	100		
82	52.0	52.7	79.1#
119	46.3	26.7	40.1#

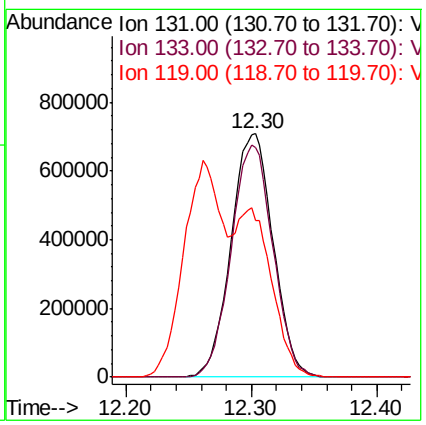


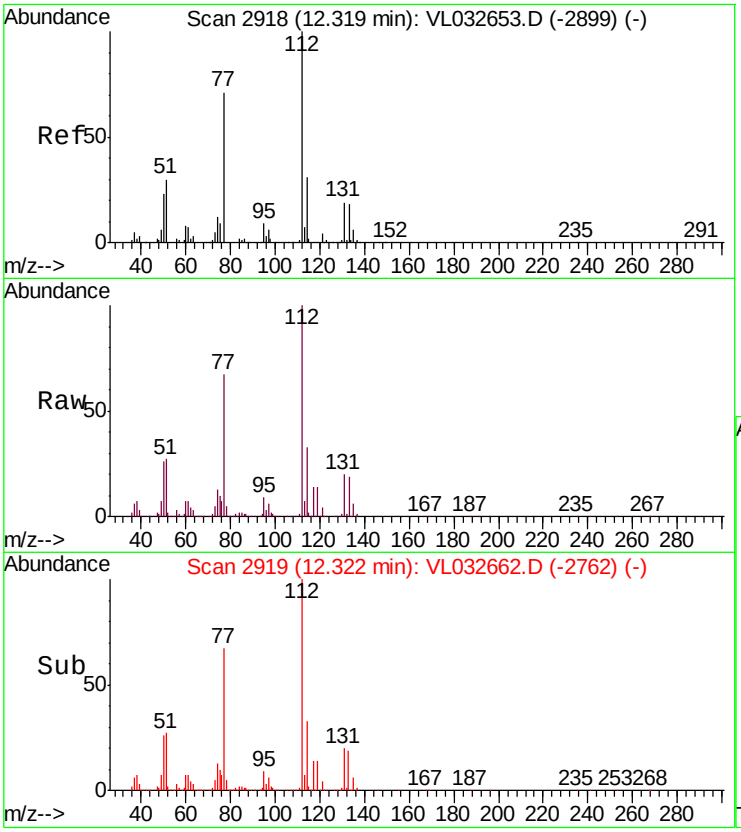


#56
1,1,1,2-Tetrachloroethane
Concen: 7.298 ppbv
RT: 12.30 min Scan# 2913
Delta R.T. 0.01 min
Lab File: VL032662.D
Acq: 19 Oct 2018 00:24

Tgt Ion:131 Resp: 1645517

Ion	Ratio	Lower	Upper
131	100		
133	95.1	75.4	113.2
119	145.0	49.1	73.7#



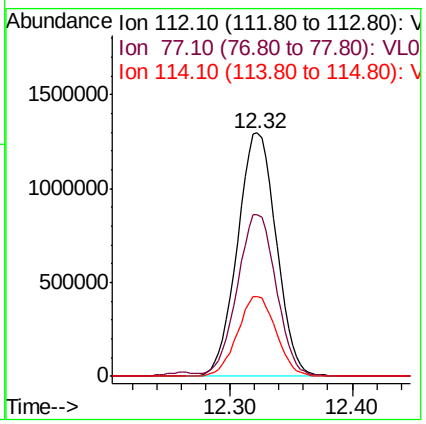


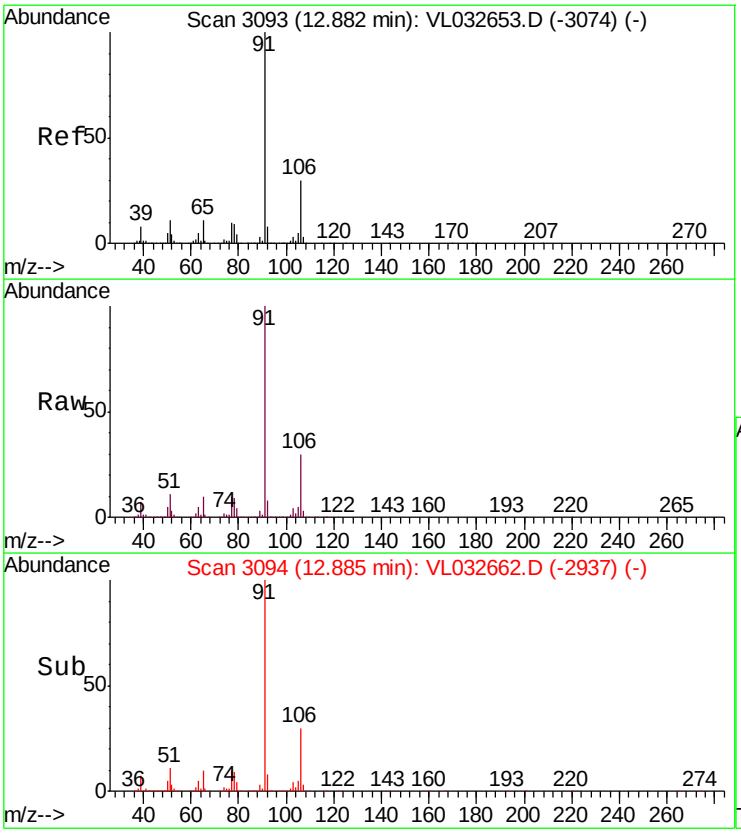
#57
Chlorobenzene
Concen: 7.519 ppbv
RT: 12.32 min Scan# 2919
Delta R.T. 0.00 min
Lab File: VL032662.D
Acq: 19 Oct 2018 00:24

Instrument : MSVOA_L
ClientSampleId : VL1018ABS01

Tgt Ion:112 Resp: 2851247

Ion	Ratio	Lower	Upper
112	100		
77	66.5	56.8	85.2
114	32.9	30.3	37.1

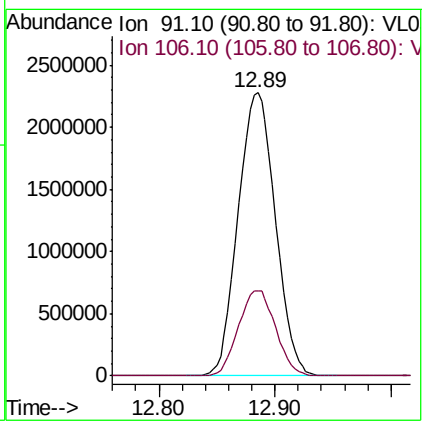


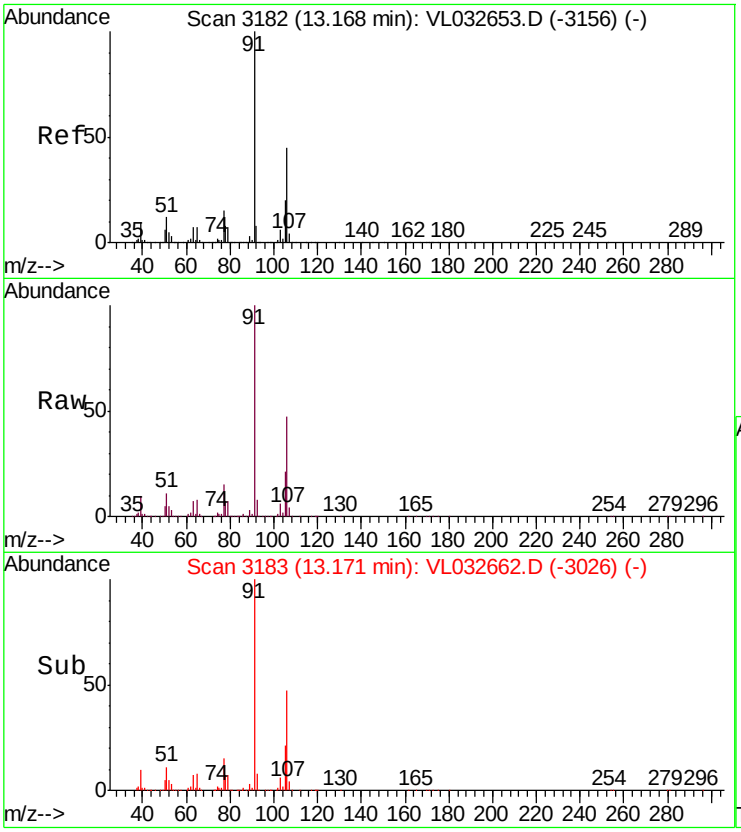


#58
Ethyl Benzene
Concen: 8.505 ppbv
RT: 12.89 min Scan# 3094
Delta R.T. 0.00 min
Lab File: VL032662.D
Acq: 19 Oct 2018 00:24

Tgt Ion: 91 Resp: 5094672

Ion	Ratio	Lower	Upper
91	100		
106	30.1	24.2	36.2



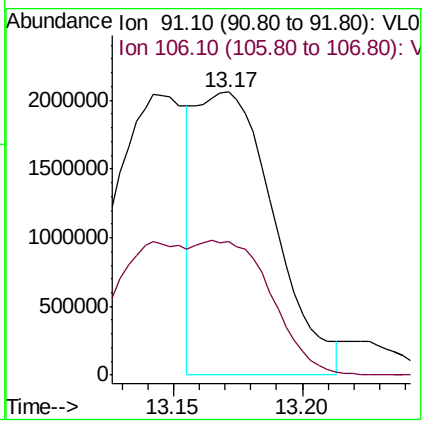


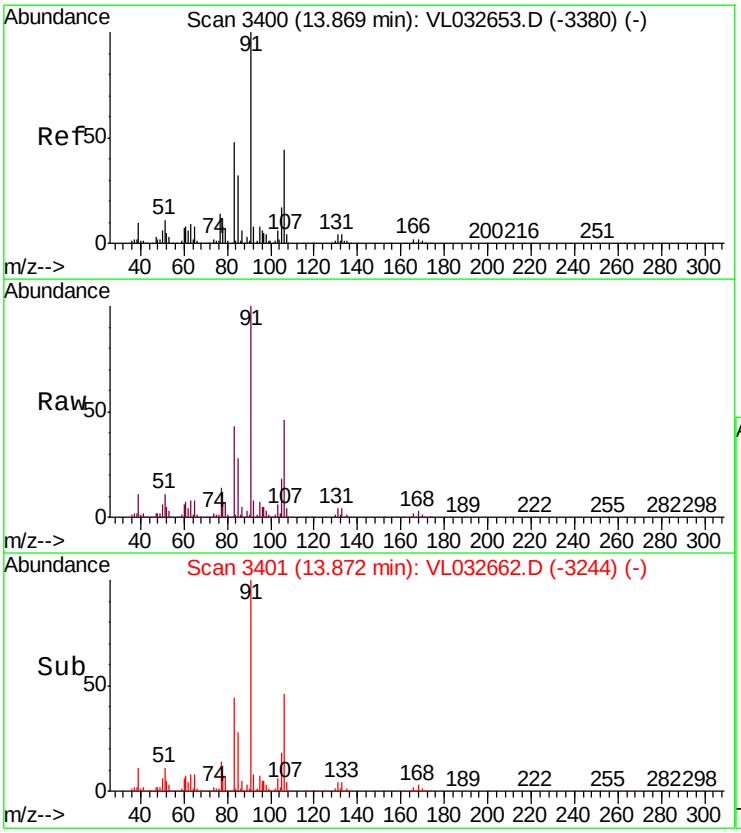
#59
m/p-Xylene
Concen: 8.119 ppbv
RT: 13.17 min Scan# 3183
Delta R.T. 0.00 min
Lab File: VL032662.D
Acq: 19 Oct 2018 00:24

Instrument : MSVOA_L
ClientSampleId : VL1018ABS01

Tgt Ion: 91 Resp: 4330840

Ion	Ratio	Lower	Upper
91	100		
106	90.8	35.9	53.9#

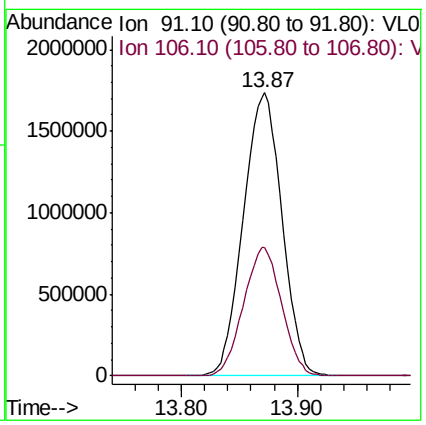


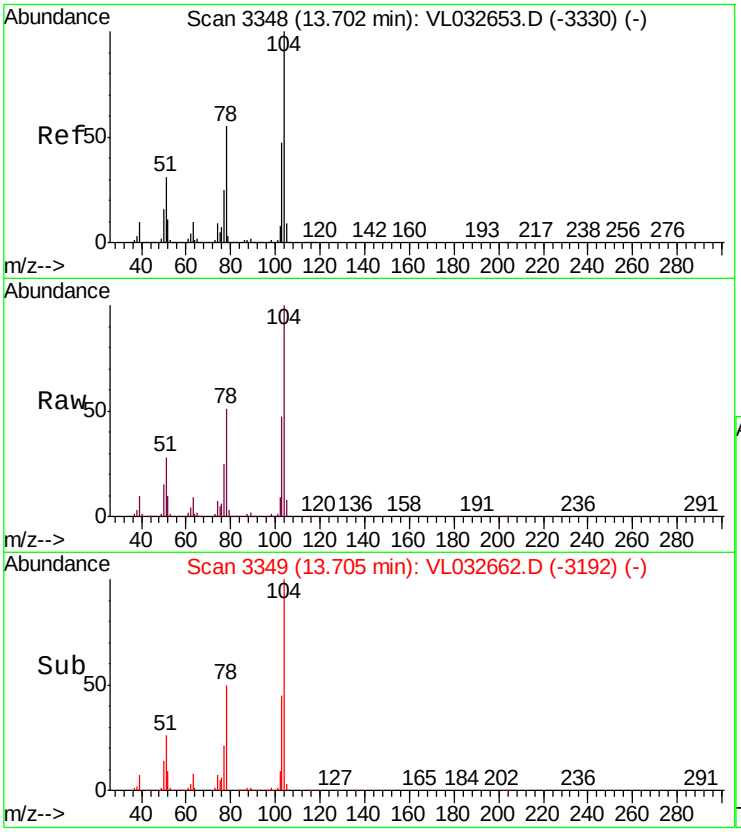


#60
o-Xylene
Concen: 7.817 ppbv
RT: 13.87 min Scan# 3401
Delta R.T. 0.00 min
Lab File: VL032662.D
Acq: 19 Oct 2018 00:24

Tgt Ion: 91 Resp: 4022396

Ion	Ratio	Lower	Upper
91	100		
106	44.9	22.1	66.1



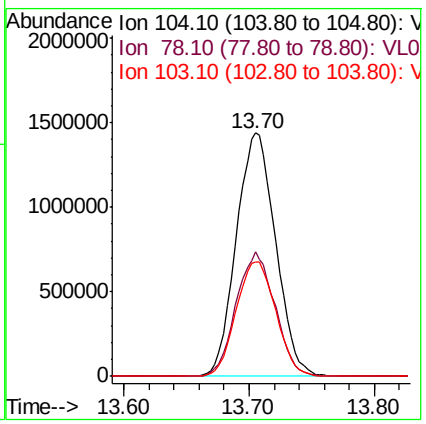


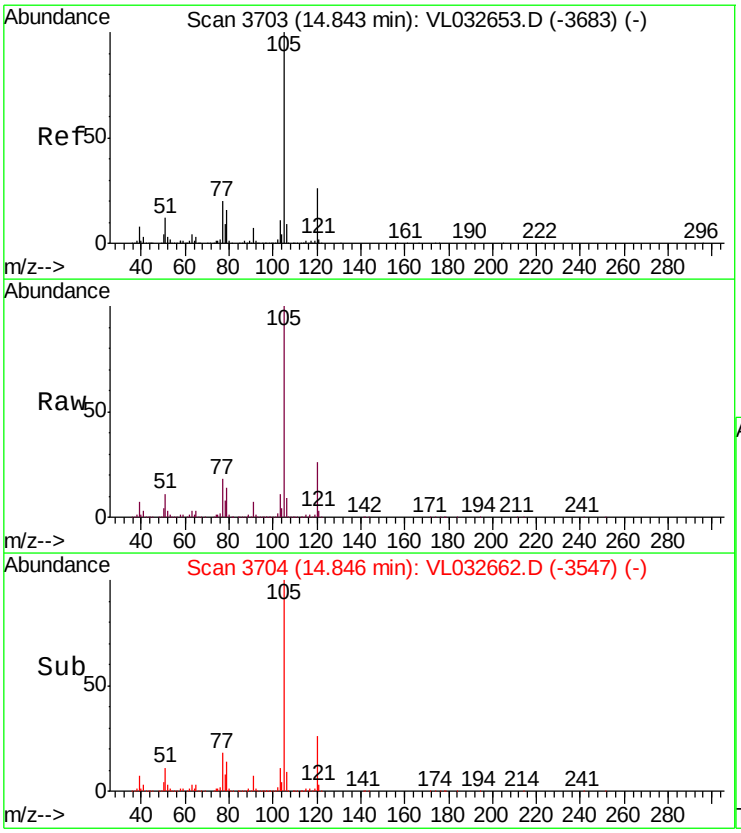
#61
Styrene
Concen: 9.066 ppbv
RT: 13.70 min Scan# 3349
Delta R.T. 0.00 min
Lab File: VL032662.D
Acq: 19 Oct 2018 00:24

Instrument : MSVOA_L
ClientSampleId : VL1018ABS01

Tgt Ion:104 Resp: 3127833

Ion	Ratio	Lower	Upper
104	100		
78	50.6	42.8	64.2
103	47.8	37.4	56.0

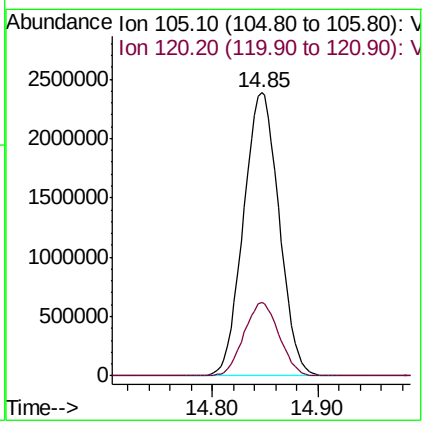


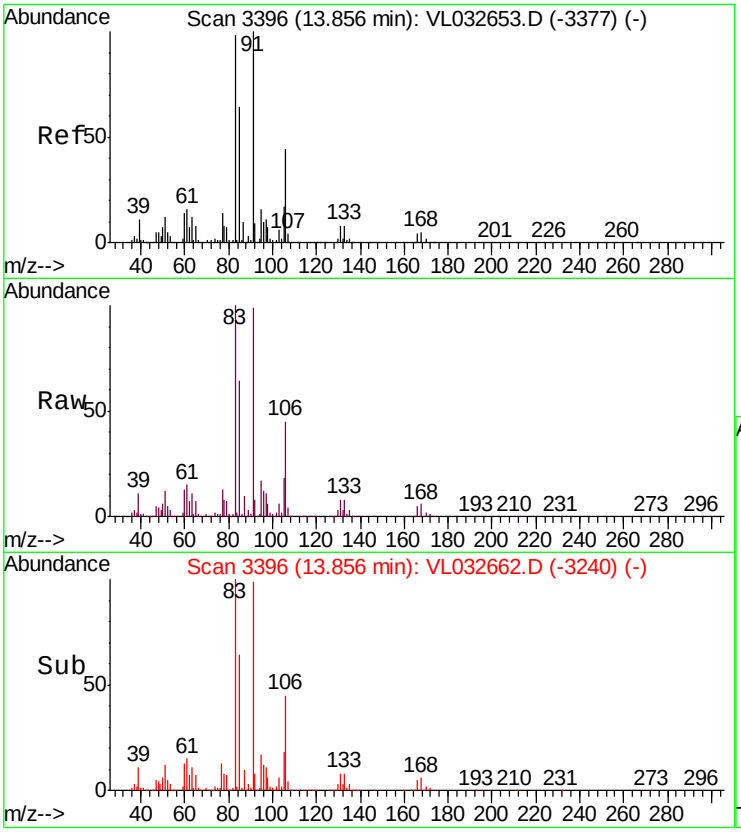


#62
Isopropylbenzene
Concen: 7.701 ppbv
RT: 14.85 min Scan# 3704
Delta R.T. 0.00 min
Lab File: VL032662.D
Acq: 19 Oct 2018 00:24

Tgt Ion:105 Resp: 5608325

Ion	Ratio	Lower	Upper
105	100		
120	25.6	20.5	30.7



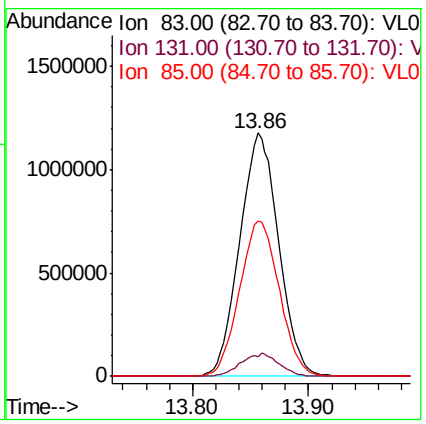


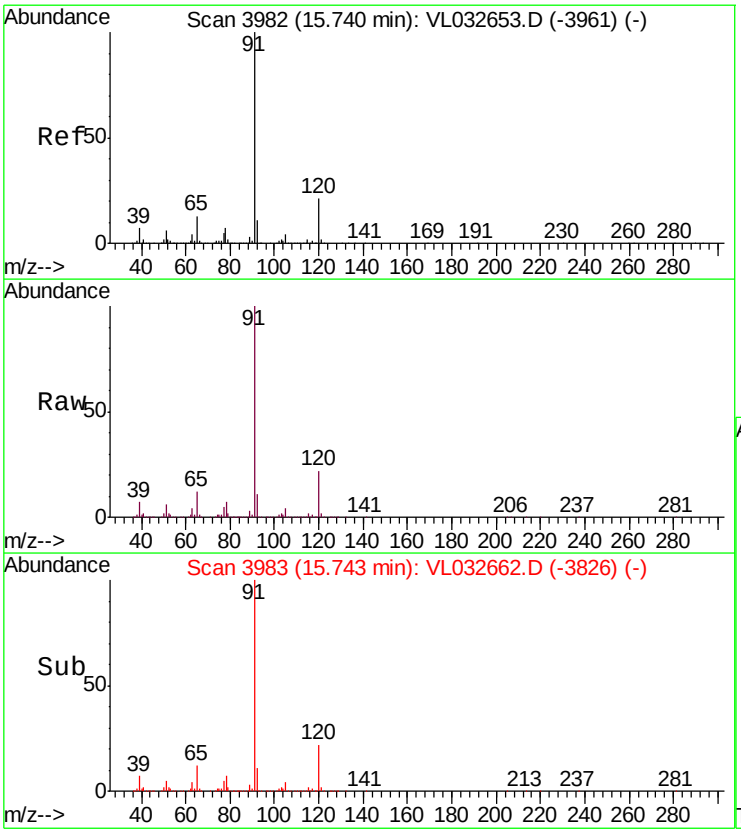
#63
1,1,2,2-Tetrachloroethane
Concen: 6.803 ppbv
RT: 13.86 min Scan# 3396
Delta R.T. 0.00 min
Lab File: VL032662.D
Acq: 19 Oct 2018 00:24

Instrument :
MSVOA_L
ClientSampleId :
VL1018ABS01

Tgt Ion: 83 Resp: 2742451

Ion	Ratio	Lower	Upper
83	100		
131	9.3	4.3	12.9
85	65.4	32.3	96.9

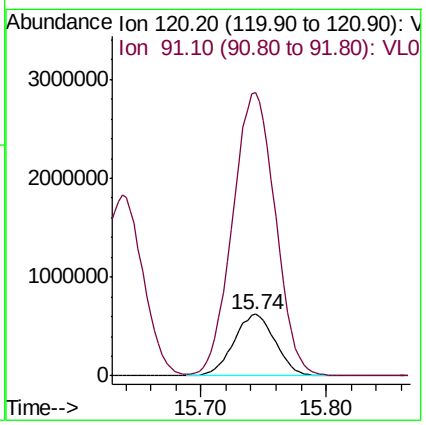


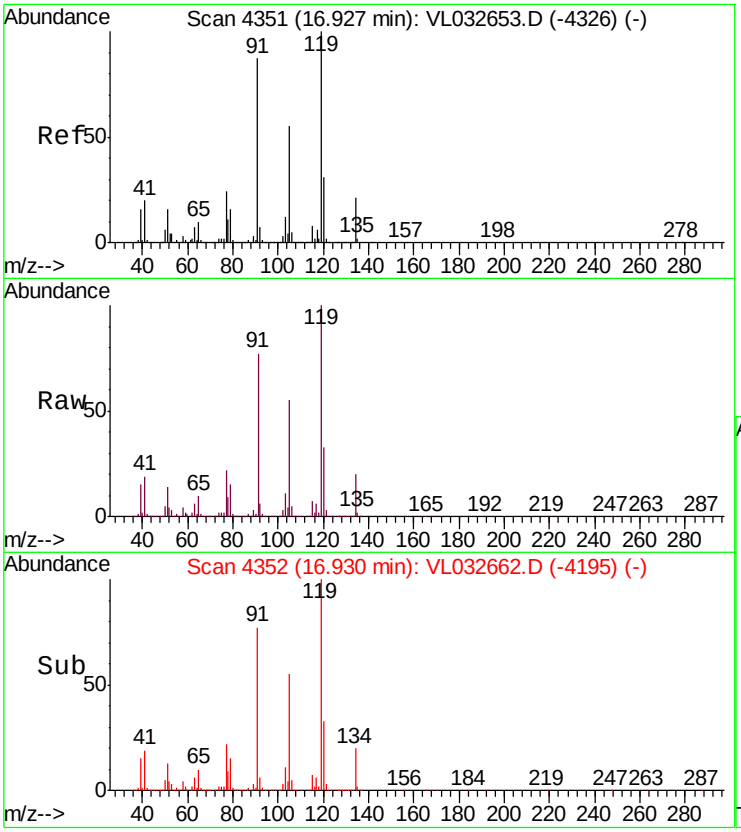


#64
n-propylbenzene
Concen: 7.867 ppbv
RT: 15.74 min Scan# 3983
Delta R.T. 0.00 min
Lab File: VL032662.D
Acq: 19 Oct 2018 00:24

Tgt Ion:120 Resp: 1423721

Ion	Ratio	Lower	Upper
120	100		
91	478.3	390.2	585.2



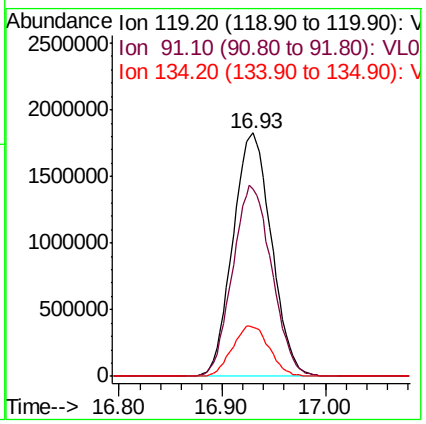


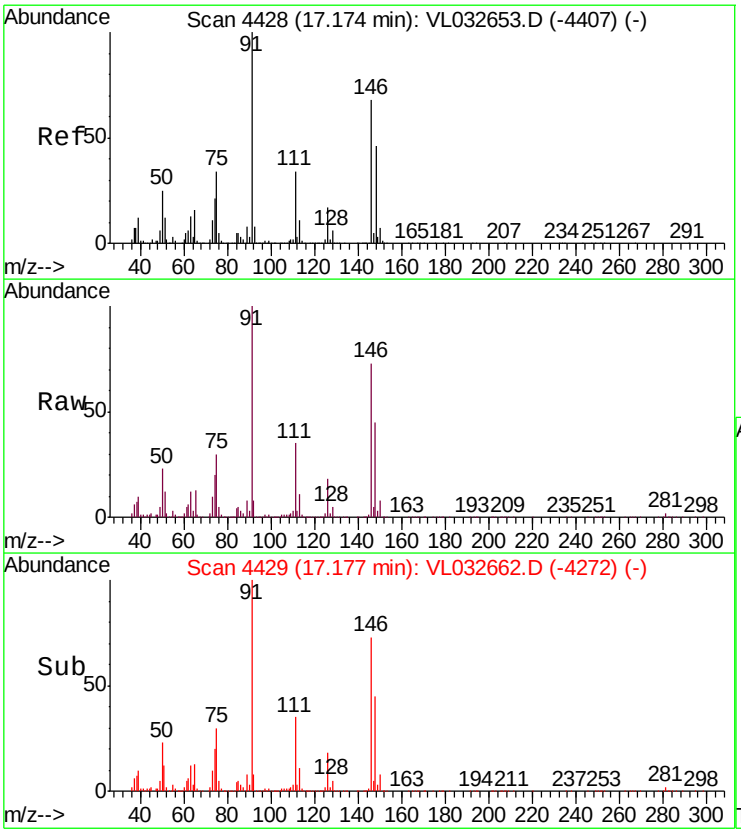
#65
tert-Butylbenzene
Concen: 7.651 ppbv
RT: 16.93 min Scan# 4352
Delta R.T. 0.00 min
Lab File: VL032662.D
Acq: 19 Oct 2018 00:24

Instrument : MSVOA_L
ClientSampleId : VL1018ABS01

Tgt Ion:119 Resp: 4744926

Ion	Ratio	Lower	Upper
119	100		
91	79.9	67.8	101.8
134	19.9	15.8	23.8

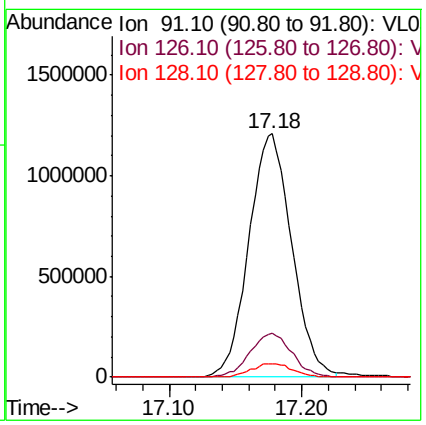


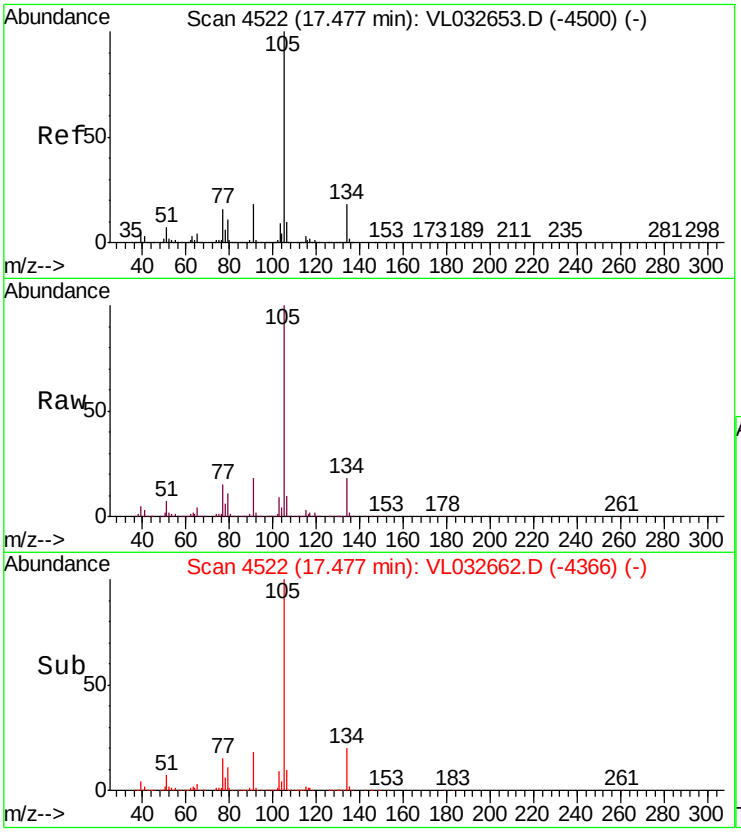


#66
Benzyl Chloride
Concen: 8.465 ppbv
RT: 17.18 min Scan# 4429
Delta R.T. 0.00 min
Lab File: VL032662.D
Acq: 19 Oct 2018 00:24

Tgt Ion: 91 Resp: 2710581

Ion	Ratio	Lower	Upper
91	100		
126	18.1	13.9	20.9
128	5.6	4.3	6.5



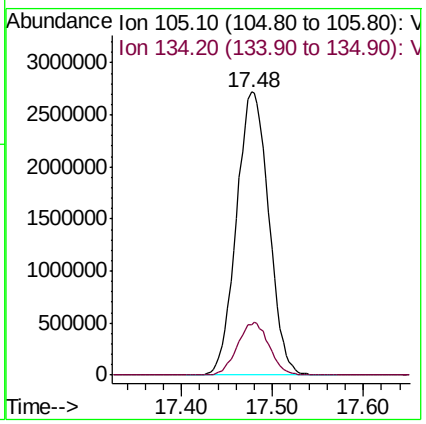


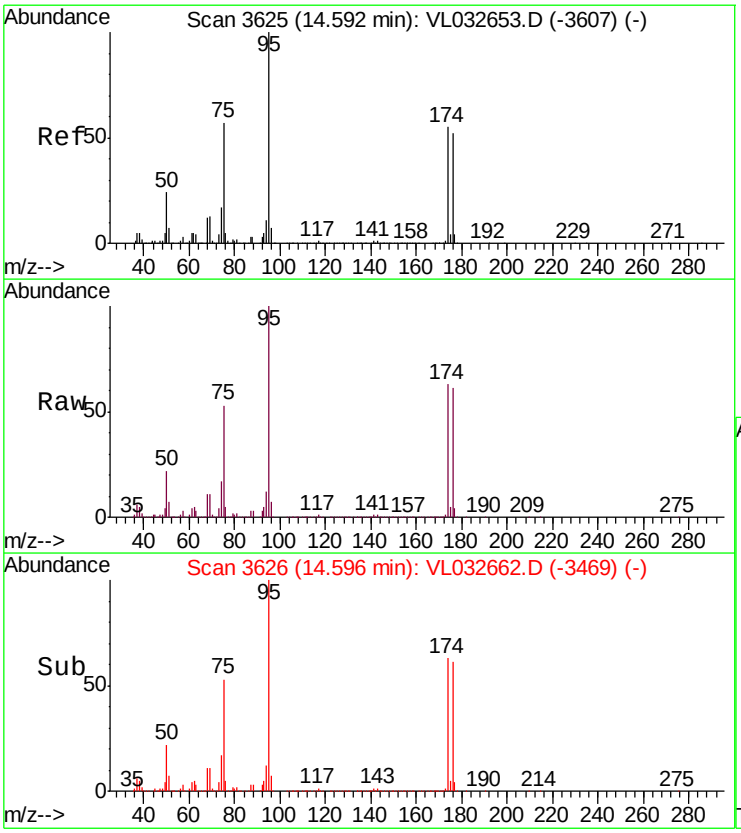
#67
sec-Butylbenzene
Concen: 7.591 ppbv
RT: 17.48 min Scan# 4522
Delta R.T. 0.00 min
Lab File: VL032662.D
Acq: 19 Oct 2018 00:24

Instrument :
MSVOA_L
ClientSampleId :
VL1018ABS01

Tgt Ion:105 Resp: 6695901

Ion	Ratio	Lower	Upper
105	100		
134	18.2	14.2	21.2

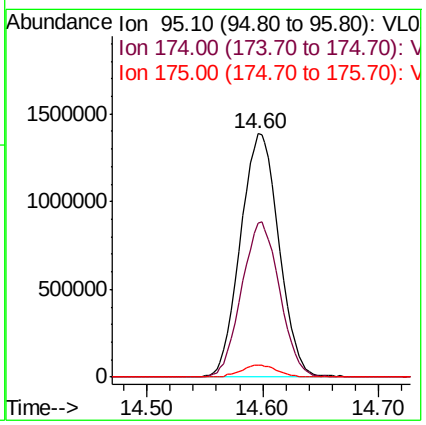


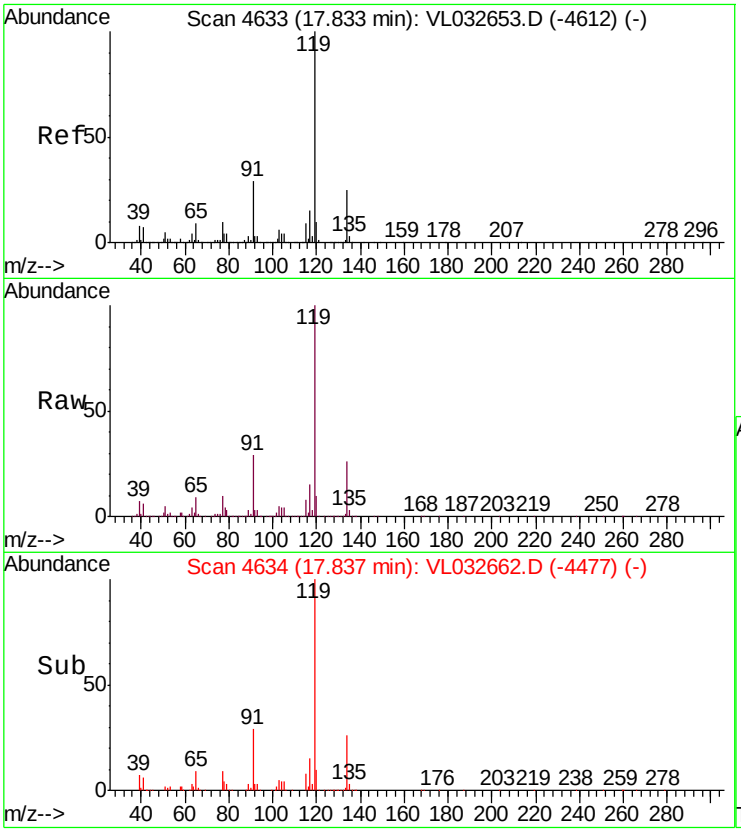


#68
1-Bromo-4-Fluorobenzene
Concen: 8.332 ppbv
RT: 14.60 min Scan# 3626
Delta R.T. 0.00 min
Lab File: VL032662.D
Acq: 19 Oct 2018 00:24

Tgt Ion: 95 Resp: 3198947

Ion	Ratio	Lower	Upper
95	100		
174	63.4	46.0	69.0
175	4.8	3.4	5.0



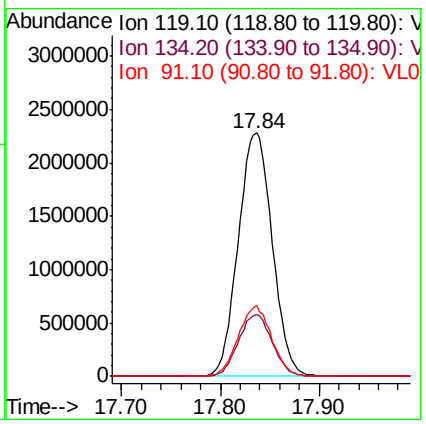


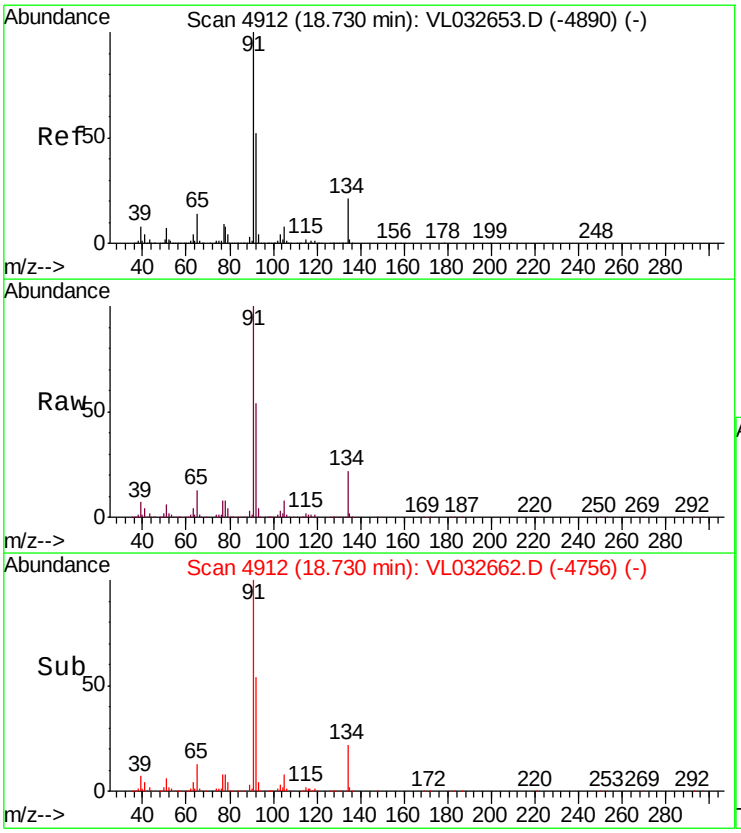
#69
p-Isopropyltoluene
Concen: 7.767 ppbv
RT: 17.84 min Scan# 4634
Delta R.T. 0.00 min
Lab File: VL032662.D
Acq: 19 Oct 2018 00:24

Instrument :
MSVOA_L
ClientSampleId :
VL1018ABS01

Tgt Ion:119 Resp: 5429353

Ion	Ratio	Lower	Upper
119	100		
134	25.2	20.2	30.2
91	28.2	24.0	36.0

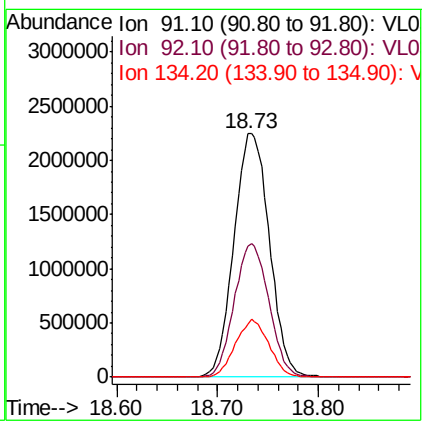


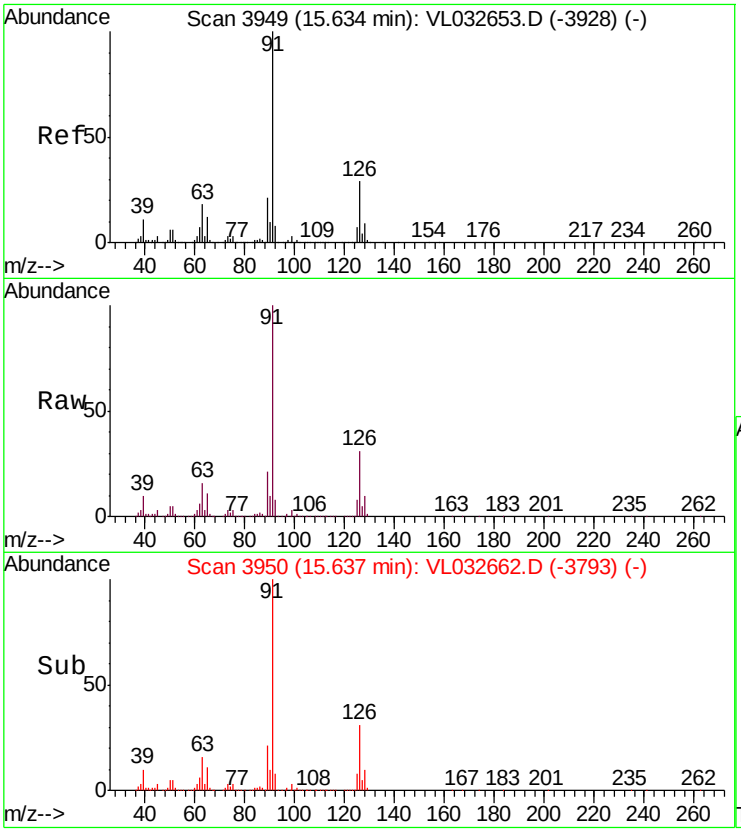


#70
n-Butylbenzene
Concen: 7.606 ppbv
RT: 18.73 min Scan# 4912
Delta R.T. 0.00 min
Lab File: VL032662.D
Acq: 19 Oct 2018 00:24

Tgt Ion: 91 Resp: 5473443

Ion	Ratio	Lower	Upper
91	100		
92	53.8	43.0	64.4
134	22.3	17.0	25.6



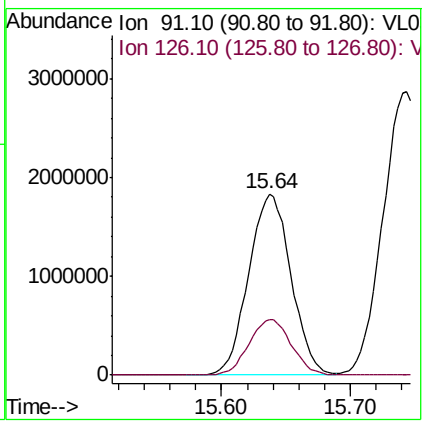


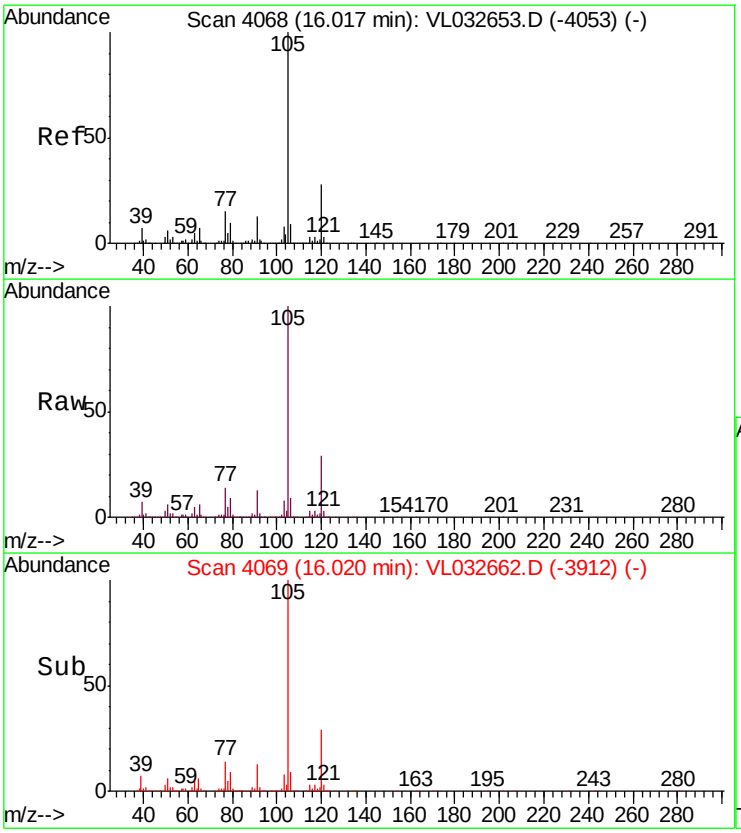
#71
2-Chlorotoluene
Concen: 8.082 ppbv
RT: 15.64 min Scan# 3950
Delta R.T. 0.00 min
Lab File: VL032662.D
Acq: 19 Oct 2018 00:24

Instrument : MSVOA_L
ClientSampleId : VL1018ABS01

Tgt Ion: 91 Resp: 4182577

Ion	Ratio	Lower	Upper
91	100		
126	30.8	11.8	47.4

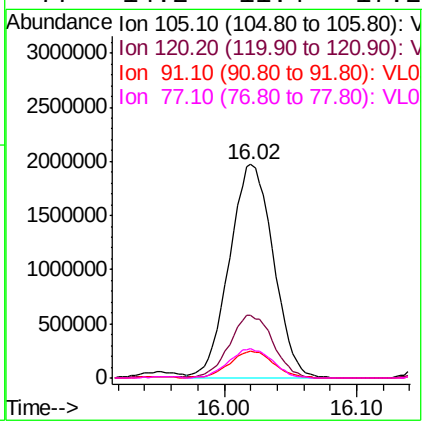


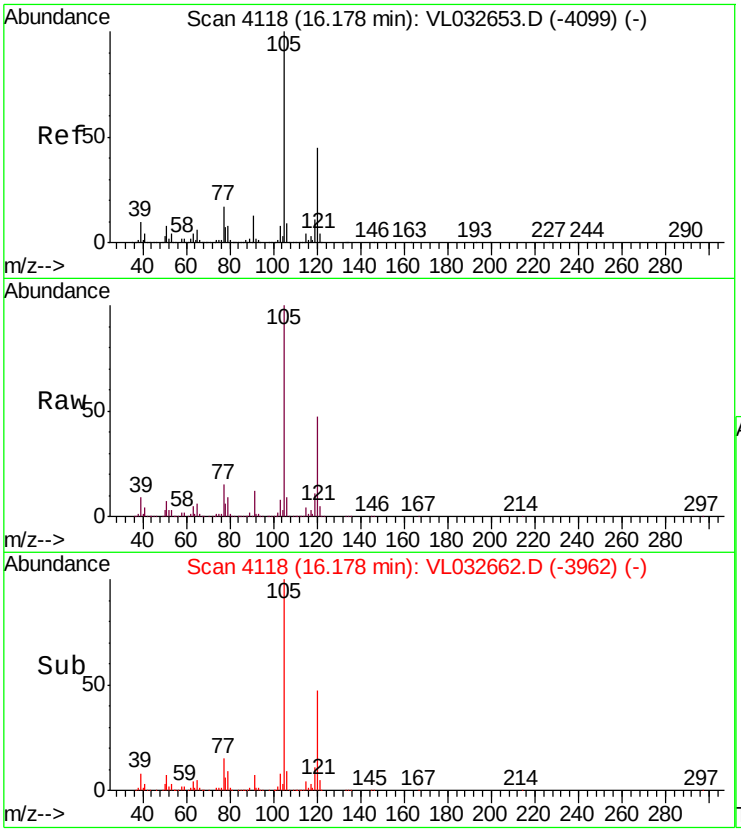


#72
4-Ethyltoluene
Concen: 8.262 ppbv
RT: 16.02 min Scan# 4069
Delta R.T. 0.00 min
Lab File: VL032662.D
Acq: 19 Oct 2018 00:24

Tgt Ion:105 Resp: 4527897

Ion	Ratio	Lower	Upper
105	100		
120	29.2	23.7	35.5
91	12.6	10.4	15.6
77	14.2	11.4	17.2



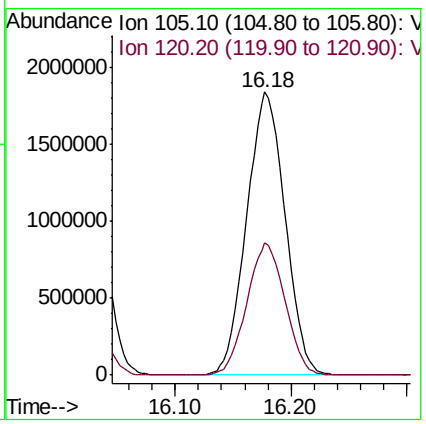


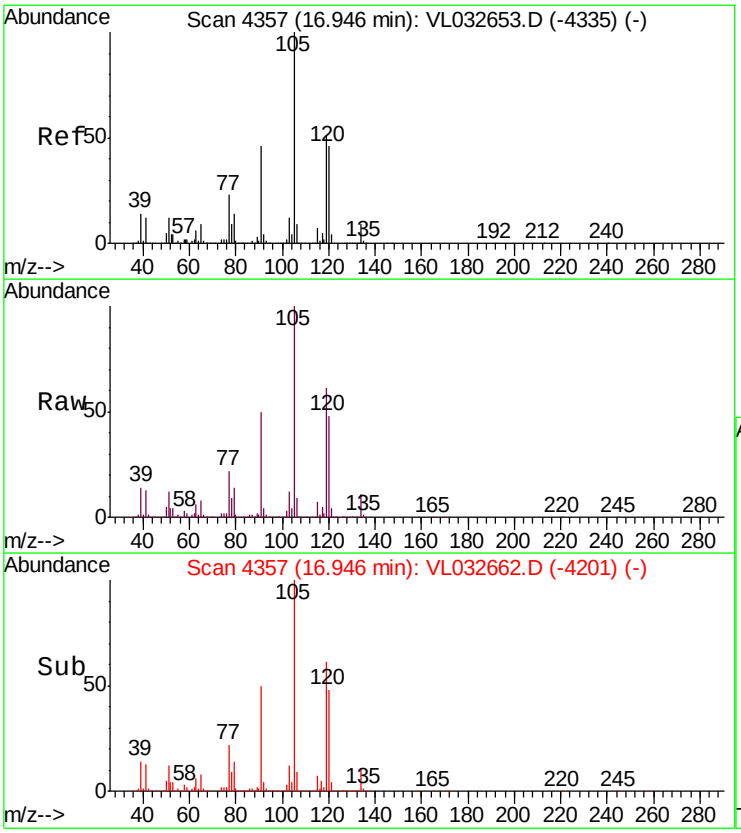
#73
1,3,5-Trimethylbenzene
Concen: 7.941 ppbv
RT: 16.18 min Scan# 4118
Delta R.T. 0.00 min
Lab File: VL032662.D
Acq: 19 Oct 2018 00:24

Instrument :
MSVOA_L
ClientSampleId :
VL1018ABS01

Tgt Ion:105 Resp: 4238680

Ion	Ratio	Lower	Upper
105	100		
120	47.0	35.4	53.2

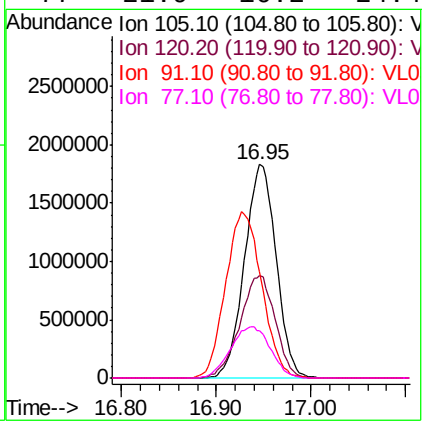


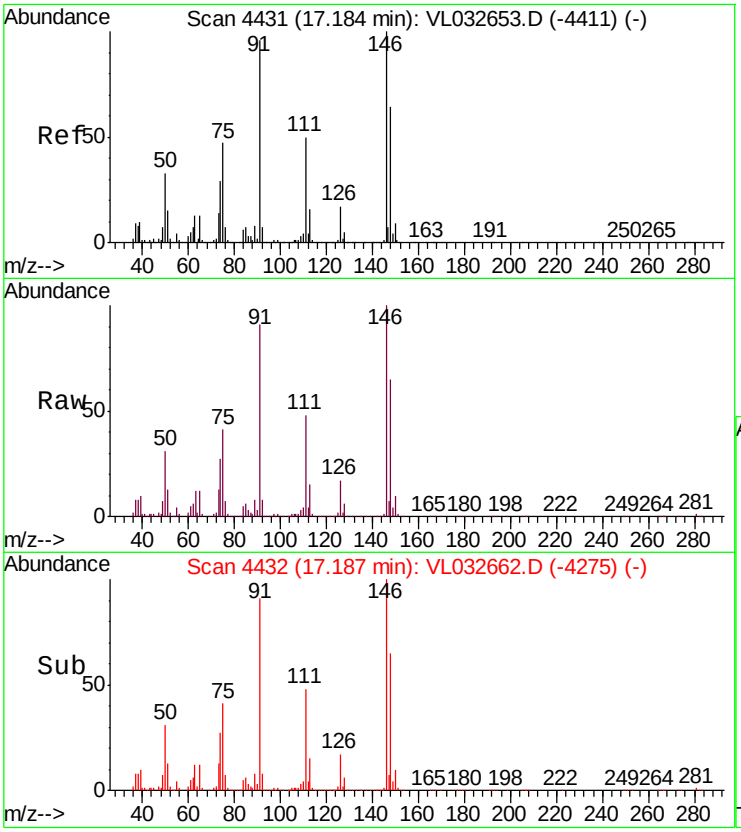


#74
1,2,4-Trimethylbenzene
Concen: 7.477 ppbv
RT: 16.95 min Scan# 4357
Delta R.T. 0.00 min
Lab File: VL032662.D
Acq: 19 Oct 2018 00:24

Tgt Ion:105 Resp: 4262461

Ion	Ratio	Lower	Upper
105	100		
120	47.9	35.8	53.8
91	49.6	33.2	49.8
77	21.9	16.2	24.4



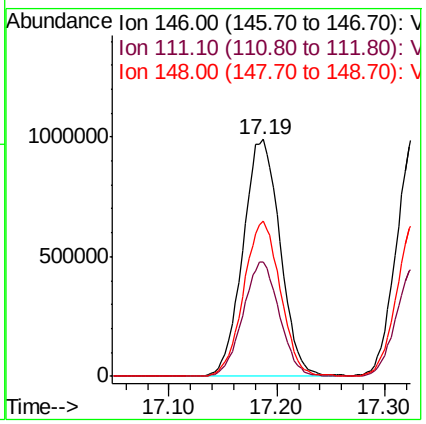


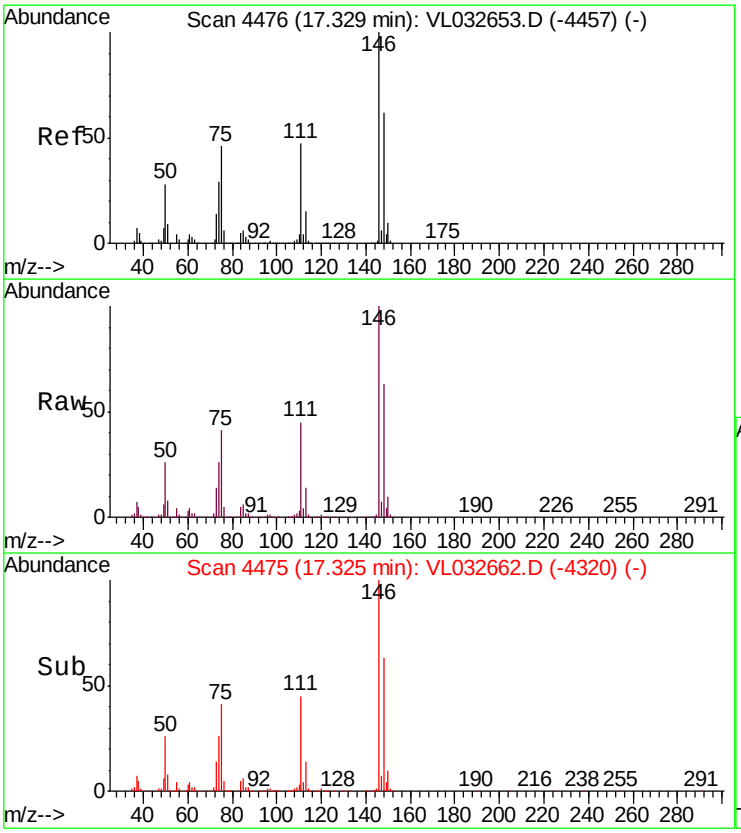
#75
1,3-Dichlorobenzene
Concen: 7.235 ppbv
RT: 17.19 min Scan# 4432
Delta R.T. 0.00 min
Lab File: VL032662.D
Acq: 19 Oct 2018 00:24

Instrument : MSVOA_L
ClientSampleId : VL1018ABS01

Tgt Ion:146 Resp: 2371707

Ion	Ratio	Lower	Upper
146	100		
111	47.4	24.4	73.2
148	64.7	31.9	95.9

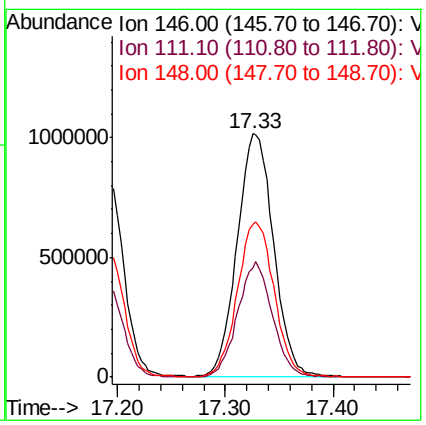


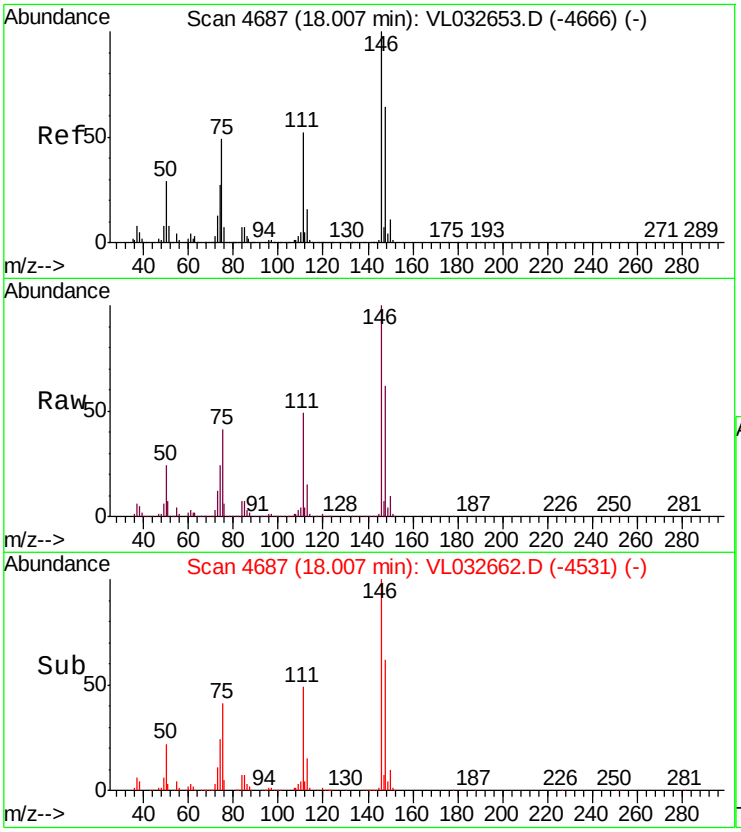


#76
1,4-Dichlorobenzene
Concen: 7.865 ppbv
RT: 17.33 min Scan# 4475
Delta R.T. -0.00 min
Lab File: VL032662.D
Acq: 19 Oct 2018 00:24

Tgt Ion:146 Resp: 2379120

Ion	Ratio	Lower	Upper
146	100		
111	45.4	23.7	71.1
148	64.7	32.1	96.3



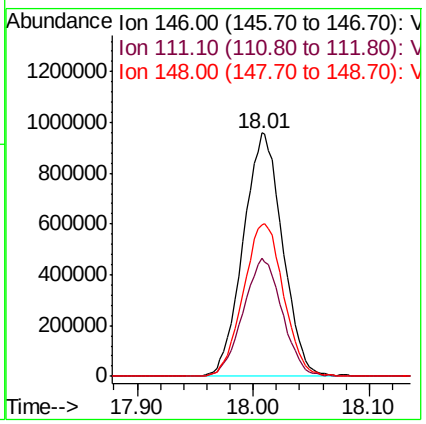


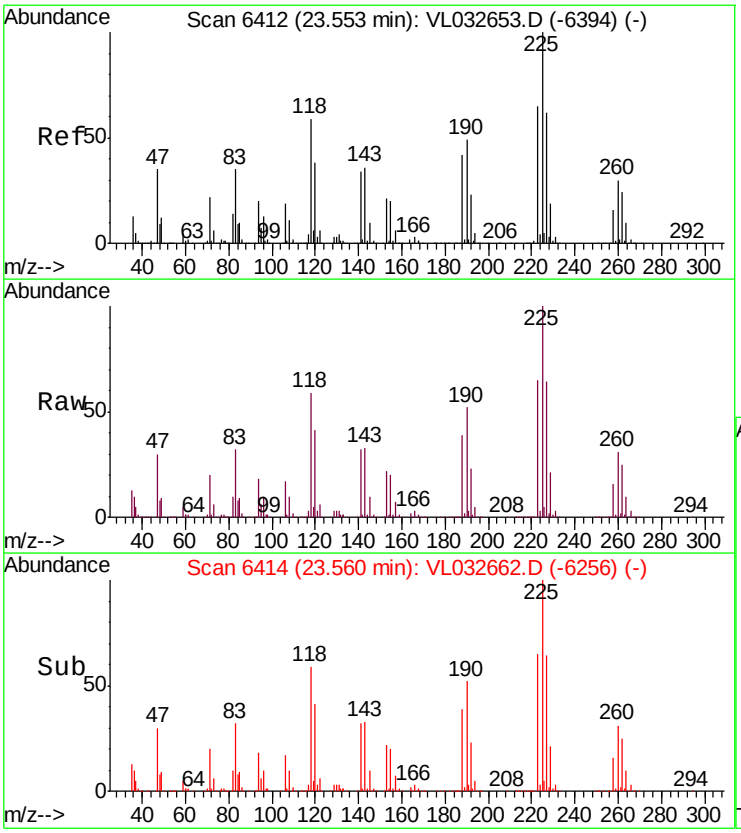
#77
1,2-Dichlorobenzene
Concen: 7.267 ppbv
RT: 18.01 min Scan# 4687
Delta R.T. 0.00 min
Lab File: VL032662.D
Acq: 19 Oct 2018 00:24

Instrument :
MSVOA_L
ClientSampleId :
VL1018ABS01

Tgt Ion:146 Resp: 2256826

Ion	Ratio	Lower	Upper
146	100		
111	48.3	25.3	75.8
148	64.4	31.9	95.9

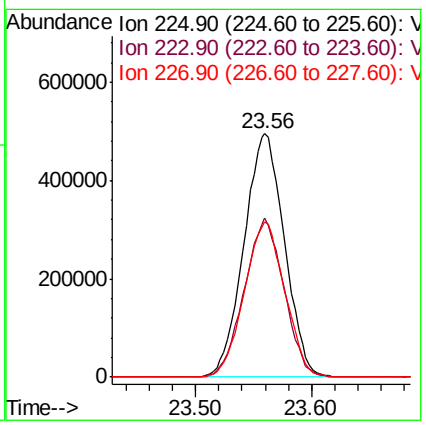


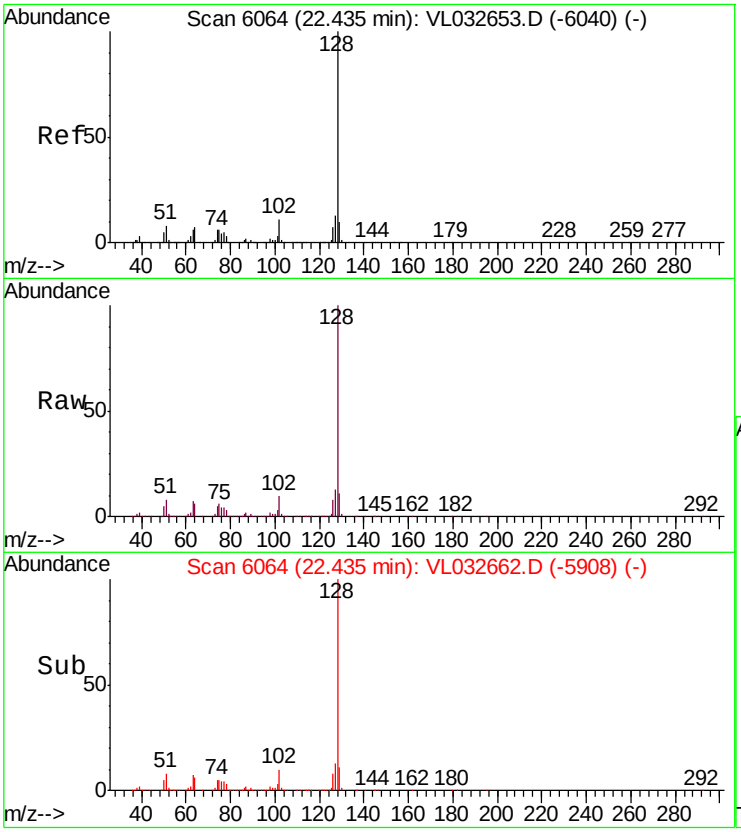


#78
Hexachloro-1,3-Butadiene
Concen: 8.183 ppbv
RT: 23.56 min Scan# 6414
Delta R.T. 0.01 min
Lab File: VL032662.D
Acq: 19 Oct 2018 00:24

Tgt Ion:225 Resp: 1200798

Ion	Ratio	Lower	Upper
225	100		
223	63.9	50.7	76.1
227	63.6	50.7	76.1



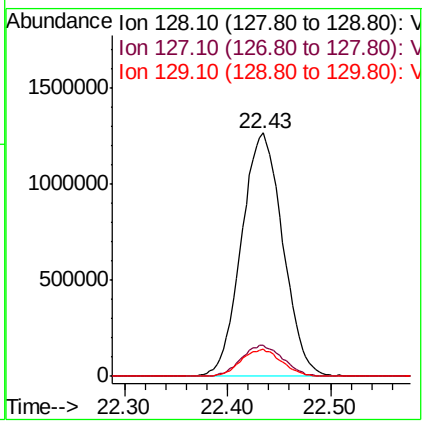


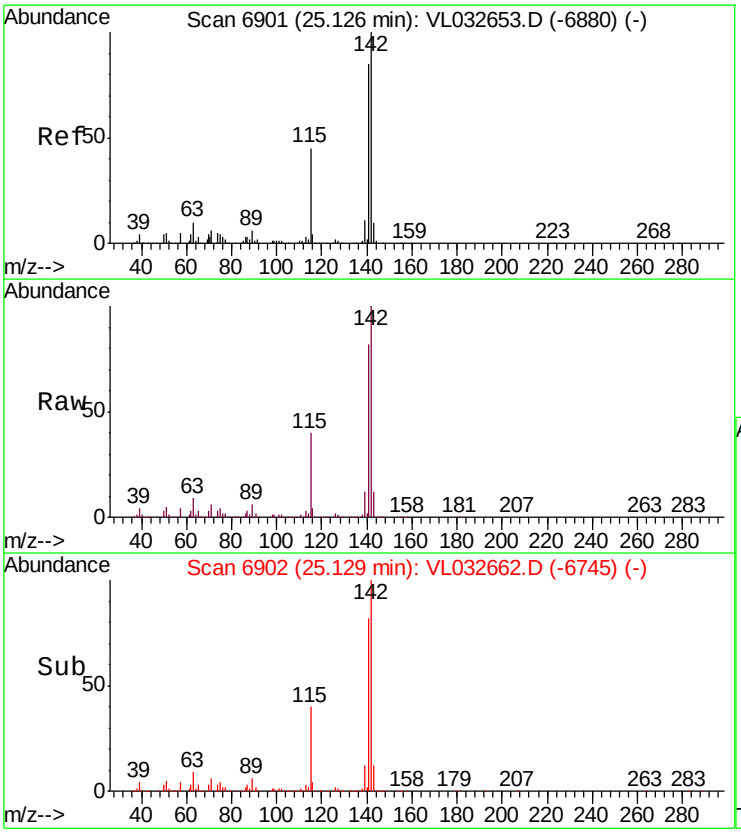
#79
Naphthalene
Concen: 9.964 ppbv
RT: 22.43 min Scan# 6064
Delta R.T. 0.00 min
Lab File: VL032662.D
Acq: 19 Oct 2018 00:24

Instrument :
MSVOA_L
ClientSampleId :
VL1018ABS01

Tgt Ion:128 Resp: 3530225

Ion	Ratio	Lower	Upper
128	100		
127	13.0	10.3	15.5
129	11.1	8.6	13.0

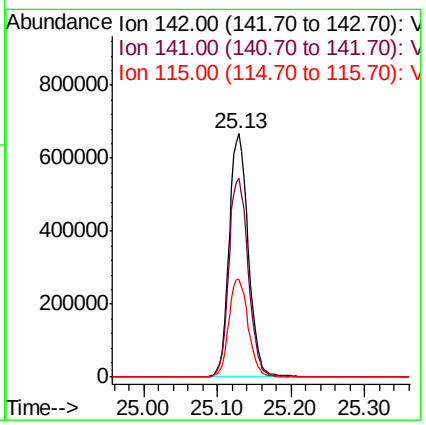


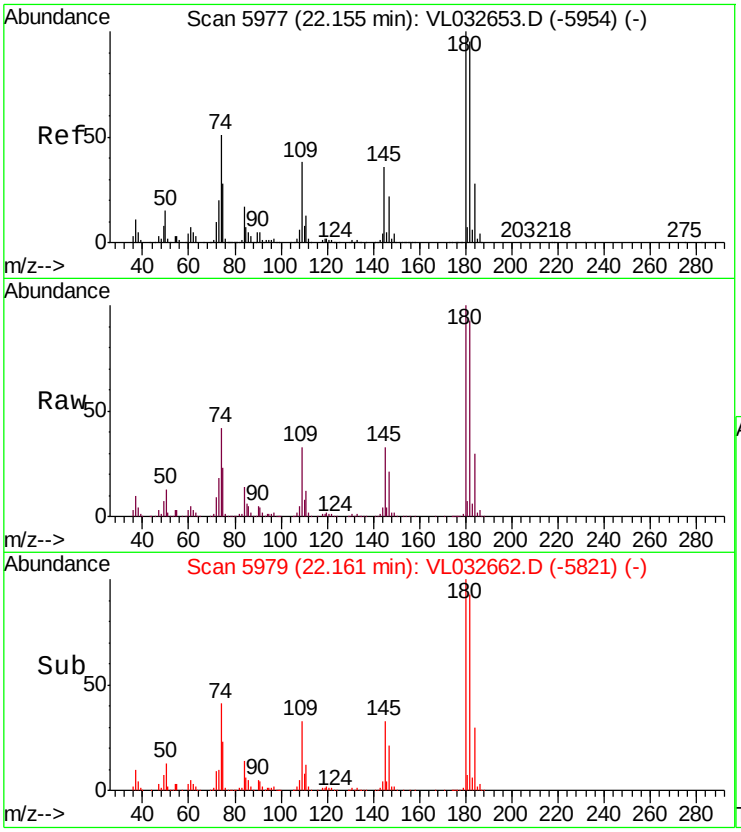


#80
Naphthalene,2-methyl-
Concen: 13.960 ppbv
RT: 25.13 min Scan# 6902
Delta R.T. 0.00 min
Lab File: VL032662.D
Acq: 19 Oct 2018 00:24

Tgt Ion:142 Resp: 1202724

Ion	Ratio	Lower	Upper
142	100		
141	83.4	67.5	101.3
115	41.1	33.5	50.3





#81
1,2,4-Trichlorobenzene
Concen: 9.029 ppbv
RT: 22.16 min Scan# 5979
Delta R.T. 0.01 min
Lab File: VL032662.D
Acq: 19 Oct 2018 00:24

Instrument :
MSVOA_L
ClientSampleId :
VL1018ABS01

Tgt Ion:180 Resp: 1656794

Ion	Ratio	Lower	Upper
180	100		
182	95.3	76.5	114.7
184	30.3	24.7	37.1