Data Path : W:\HPCHEM1\MSVOA_L\DATA\VL121317\

Quantitation Report (Not Reviewed)

Data File : VL031219.D
Acq On : 14 Dec 2017 3:31
Operator : SY/AP
Sample : VSTDICV010
Misc : 400ml/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_L
ClientSampleId : BFB

Quant Time: Dec 14 04:32:44 2017
Quant Method : W:\HPCHEM1\MSVOA_L\METHODS\VL121317AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LThu Dec 14 04:29:58 2017
QLast Update : Thu Dec 14 04:29:58 2017
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
1) Bromochloromethane	5.91	49	1644952	10.00	ppbv		0.00
33) 1,4-Difluorobenzene	7.46	114	4007506	10.00	ppbv		0.00
55) Chlorobenzene-d5	12.42	117	5041659	10.00	ppbv		0.00
System Monitoring Compounds							
68) 1-Bromo-4-Fluorobenzene	14.75	95	3143389	8.77	ppbv		0.00
Spiked Amount 10.000	Range 65 - 135		Recovery = 87.70%				
Target Compounds							Qvalue
2) Dichlorodifluoromethane	3.18	85	1551067	11.16	ppbv		100
3) Chlorodifluoromethane	3.12	51	1534314	8.20	ppbv		100
4) Chloromethane	3.27	50	984458	9.74	ppbv		97
5) Vinyl Chloride	3.40	62	936142	8.96	ppbv		98
6) Bromomethane	3.63	94	583164	9.42	ppbv		99
7) Chloroethane	3.72	64	367038	9.48	ppbv		95
8) Dichlorotetrafluoroethane	3.32	85	1990719	10.32	ppbv		98
9) Propene	3.13	41	866135	9.44	ppbv		100
10) Heptane	8.41	43	2332018	8.35	ppbv		99
11) Trichlorofluoromethane	4.13	101	2095700	9.18	ppbv		98
12) 1,1,2-Trichlorotrifluoroet	4.68	101	1368616	8.55	ppbv		98
13) Ethanol	3.77	45	194263	7.34	ppbv		100
14) Bromoethene	3.91	108	652259	9.48	ppbv		99
15) Acetone	4.02	43	1843498	8.49	ppbv		98
16) 1,3-Butadiene	3.47	39	849898	9.10	ppbv		97
17) tert-Butyl alcohol	4.49	59	900563	7.39	ppbv		99
18) 1,1-Dichloroethene	4.48	96	661706	9.23	ppbv		97
19) Isopropyl Alcohol	4.14	45	1186649	8.64	ppbv	#	88
20) Methylene Chloride	4.54	84	606515	8.44	ppbv		97
21) Allyl Chloride	4.61	41	1126092	8.82	ppbv		98
22) trans-1,2-Dichloroethene	5.10	96	739766	8.39	ppbv		97
23) Vinyl Acetate	5.30	43	2730645	7.81	ppbv		99
24) 1,1-Dichloroethane	5.23	63	2125229	8.37	ppbv		100
25) Ethyl Acetate	5.92	43	3521546	7.94	ppbv		99
26) Hexane	5.93	57	1676150	7.97	ppbv		98
27) Carbon Disulfide	4.76	76	1807667	8.58	ppbv		99
28) Methyl tert-Butyl Ether	5.25	73	2242168	8.15	ppbv		99
29) Chloroform	6.00	83	2338590	8.23	ppbv		99
30) Cyclohexane	7.41	84	1388566	7.49	ppbv		99
31) cis-1,2-Dichloroethene	5.79	61	1539801	8.07	ppbv		99
32) 1,1,1-Trichloroethane	6.78	97	2378809	7.83	ppbv		99
34) 2-Butanone	5.47	43	2375626	8.39	ppbv		100
35) Carbon Tetrachloride	7.30	117	2304116	8.03	ppbv		97
36) Benzene	7.17	78	3428822	8.07	ppbv		99
37) 1,2-Dichloroethane	6.57	62	1913688	8.17	ppbv		100
38) Trichloroethene	8.13	130	1326277	8.01	ppbv		98
39) 1,2-Dichloropropane	7.90	63	1285439	8.56	ppbv		99
40) 1,4-Dioxane	8.12	88	499886	9.22	ppbv	#	96
41) Tetrahydrofuran	6.30	42	1355502	8.52	ppbv		99
42) Bromodichloromethane	8.08	83	2531722	9.17	ppbv		99
43) Methyl Methacrylate	8.30	69	1280922	9.00	ppbv		99

Data Path : W:\HPCHEM1\MSVOA_L\DATA\VL121317\

Quantitation Report (Not Reviewed)

Data File : VL031219.D
Acq On : 14 Dec 2017 3:31
Operator : SY/AP
Sample : VSTDICV010
Misc : 400ml/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_L
ClientSampleId : BFB

Quant Time: Dec 14 04:32:44 2017
Quant Method : W:\HPCHEM1\MSVOA_L\METHODS\VL121317AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LThu Dec 14 04:29:58 2017
QLast Update : Thu Dec 14 04:29:58 2017
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
44) 2,2,4-Trimethylpentane	8.16	57	5612538	8.75	ppbv		100
45) t-1,3-Dichloropropene	9.58	75	1739079	8.94	ppbv		99
46) cis-1,3-Dichloropropene	9.00	75	2165796	8.85	ppbv		98
47) 1,1,2-Trichloroethane	9.79	97	1429016	9.17	ppbv		98
48) Dibromochloromethane	10.63	129	2302240	9.46	ppbv		99
49) Bromoform	13.38	173	1711246	9.53	ppbv		100
50) 4-Methyl-2-Pentanone	9.04	43	3019269	8.72	ppbv		100
51) 2-Hexanone	10.44	43	2839357	8.59	ppbv	#	100
52) Tetrachloroethene	11.55	164	1261373	8.05	ppbv		97
53) Toluene	10.12	91	4189756	9.09	ppbv		100
54) 1,2-Dibromoethane	10.94	107	2150042	9.11	ppbv		100
56) 1,1,1,2-Tetrachloroethane	12.46	131	1541506	6.85	ppbv		93
57) Chlorobenzene	12.48	112	3097092	6.59	ppbv		99
58) Ethyl Benzene	13.04	91	5605398	6.73	ppbv		98
59) m/p-Xylene	13.32	91	4364567	6.55	ppbv	#	28
60) o-Xylene	14.03	91	4405838	6.56	ppbv		99
61) Styrene	13.86	104	1288410	6.69	ppbv		99
62) Isopropylbenzene	15.00	105	5941855	6.75	ppbv		99
63) 1,1,2,2-Tetrachloroethane	14.01	83	2863815	6.36	ppbv		100
64) n-propylbenzene	15.90	120	1594260	6.82	ppbv		100
65) tert-Butylbenzene	17.08	119	5054202	6.48	ppbv		99
66) Benzyl Chloride	17.33	91	616747	7.34	ppbv		99
67) sec-Butylbenzene	17.63	105	7194405	6.71	ppbv		99
69) p-Isopropyltoluene	17.99	119	5908909	6.60	ppbv		100
70) n-Butylbenzene	18.88	91	5841180	6.77	ppbv		100
71) 2-Chlorotoluene	15.79	91	4431196	6.78	ppbv		100
72) 4-Ethyltoluene	16.18	105	4953493	6.73	ppbv		100
73) 1,3,5-Trimethylbenzene	16.33	105	4377370	6.68	ppbv		100
74) 1,2,4-Trimethylbenzene	17.10	105	4388230	6.37	ppbv		98
75) 1,3-Dichlorobenzene	17.34	146	2862599	6.55	ppbv		100
76) 1,4-Dichlorobenzene	17.48	146	2889607	6.55	ppbv		99
77) 1,2-Dichlorobenzene	18.16	146	2872043	6.73	ppbv		99
78) Hexachloro-1,3-Butadiene	23.71	225	636922	6.50	ppbv		100
79) Naphthalene	22.62	128	3834192	6.88	ppbv		100
80) Naphthalene,2-methyl-	25.25	142	1222873	5.89	ppbv		100
81) 1,2,4-Trichlorobenzene	22.34	180	1726671	6.65	ppbv		100

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

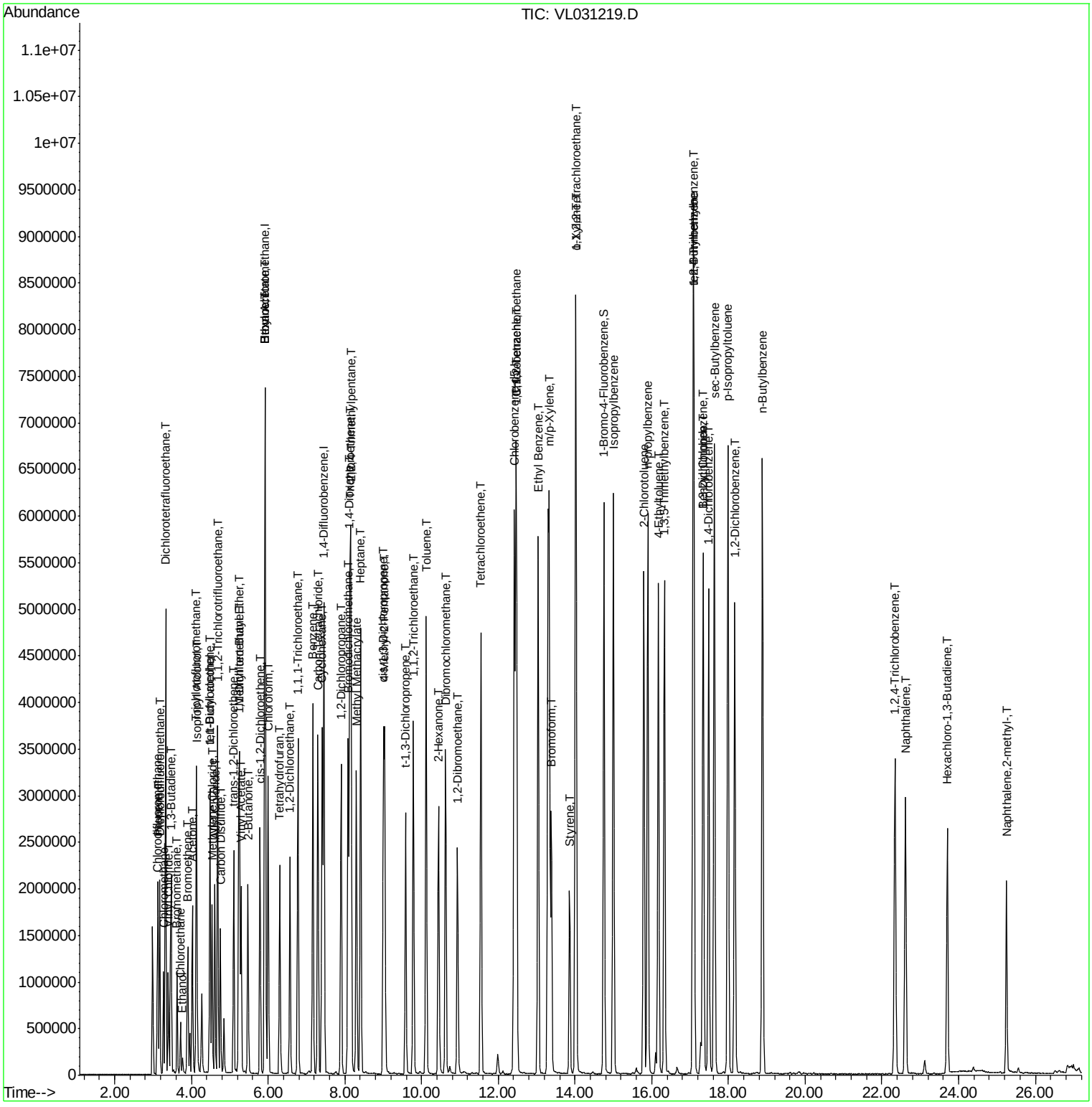
Data Path : W:\HPCHEM1\MSVOA_L\DATA\VL121317\

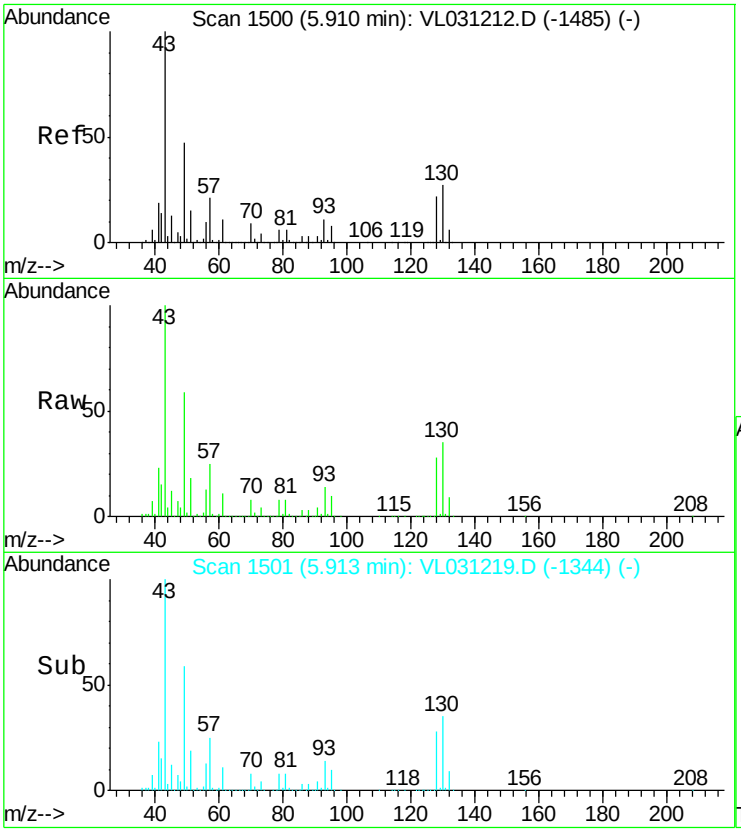
Quantitation Report (Not Reviewed)

Data File : VL031219.D
Acq On : 14 Dec 2017 3:31
Operator : SY/AP
Sample : VSTDICV010
Misc : 400ml/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_L
ClientSampleId : BFB

Quant Time: Dec 14 04:32:44 2017
Quant Method : W:\HPCHEM1\MSVOA_L\METHODS\VL121317AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LThu Dec 14 04:29:58 2017
QLast Update : Thu Dec 14 04:29:58 2017
Response via : Initial Calibration



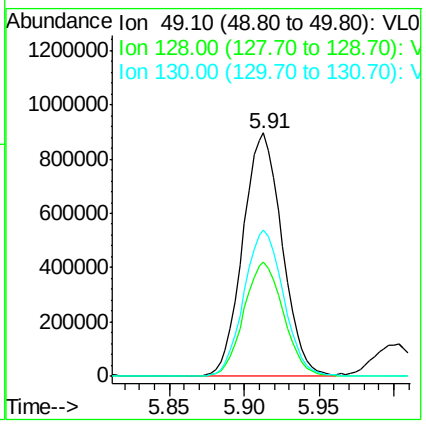


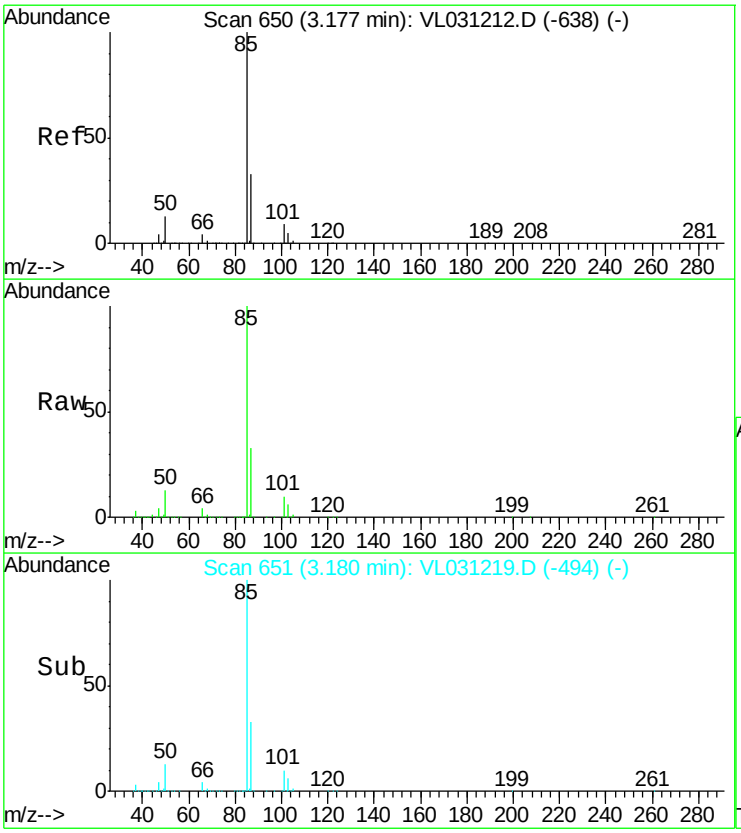
#1
Bromochloromethane
Concen: 10.00 ppbv
RT: 5.91 min Scan# 1501
Delta R.T. 0.00 min
Lab File: VL031219.D
Acq: 14 Dec 2017 3:31

Instrument :
MSVOA_L
ClientSampleId :
BFB

Tgt Ion: 49 Resp: 1644952

Ion	Ratio	Lower	Upper
49	100		
128	47.5	23.2	69.5
130	60.8	29.6	88.8

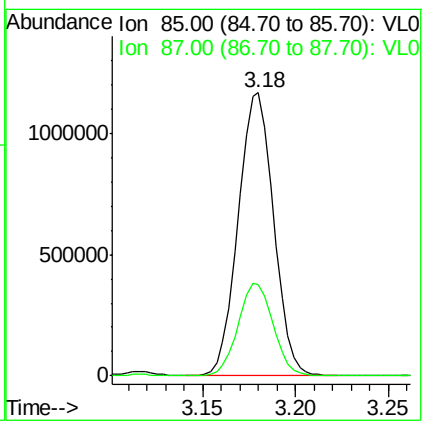


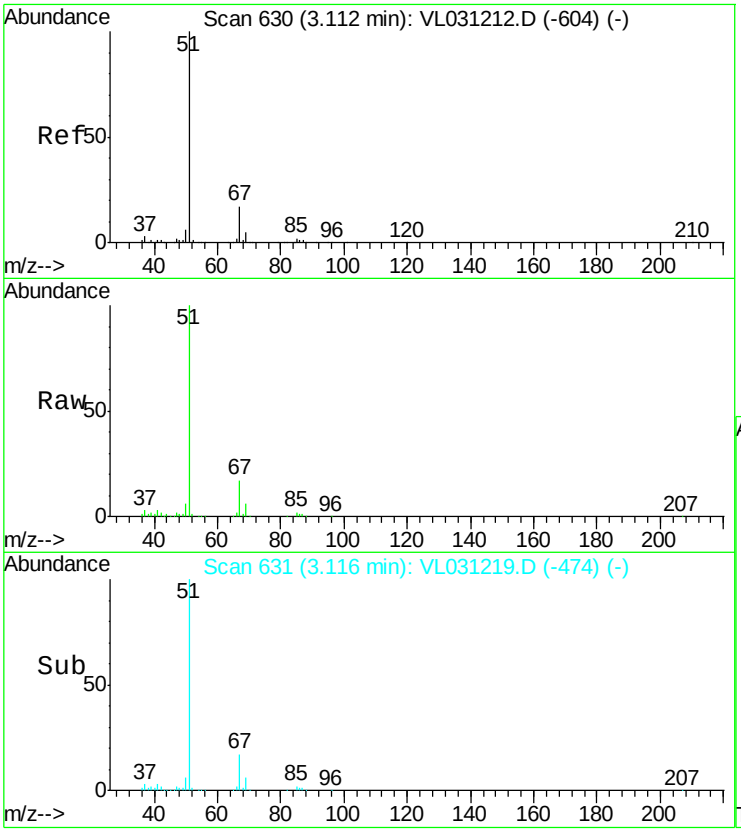


#2
Dichlorodifluoromethane
Concen: 11.16 ppbv
RT: 3.18 min Scan# 651
Delta R.T. 0.00 min
Lab File: VL031219.D
Acq: 14 Dec 2017 3:31

Tgt Ion: 85 Resp: 1551067

Ion	Ratio	Lower	Upper
85	100		
87	32.5	26.2	39.2



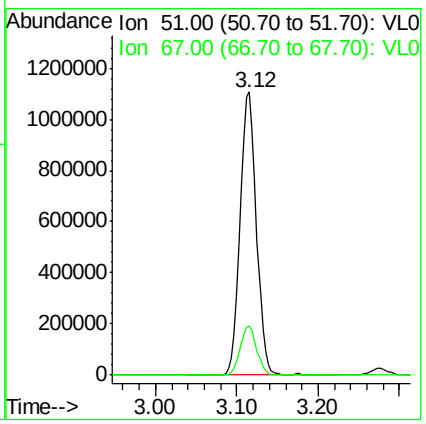


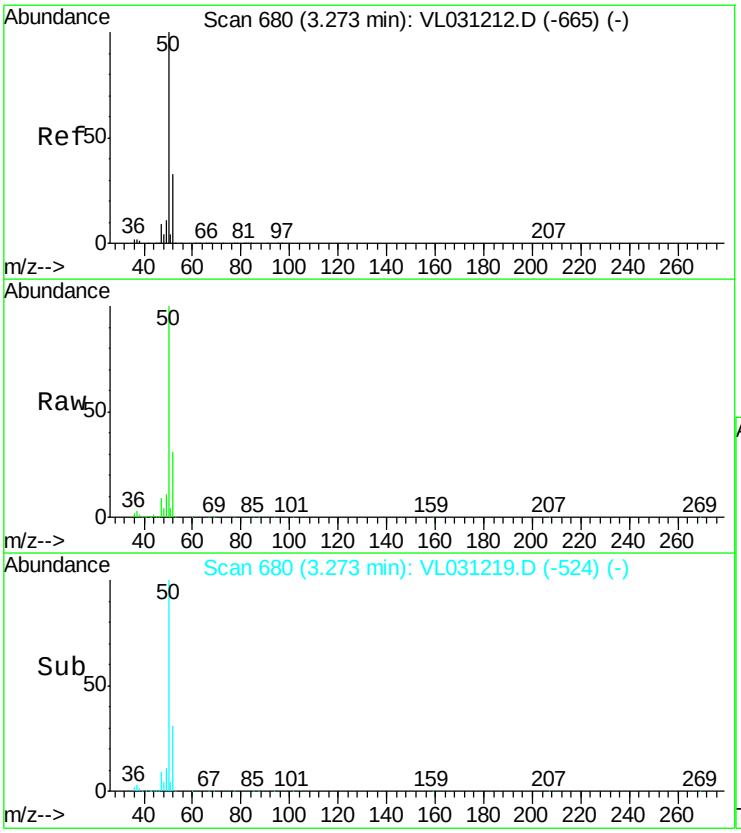
#3
Chlorodifluoromethane
Concen: 8.20 ppbv
RT: 3.12 min Scan# 631
Delta R.T. 0.00 min
Lab File: VL031219.D
Acq: 14 Dec 2017 3:31

Instrument :
MSVOA_L
ClientSampleId :
BFB

Tgt Ion: 51 Resp: 1534314

Ion	Ratio	Lower	Upper
51	100		
67	17.4	13.8	20.6

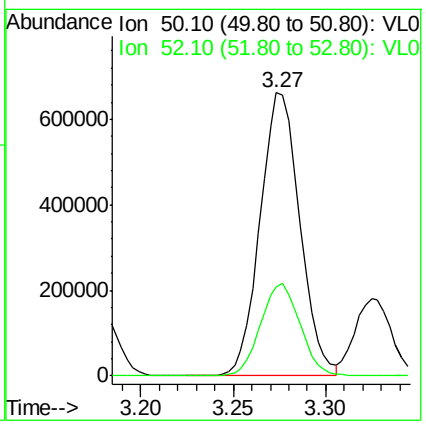


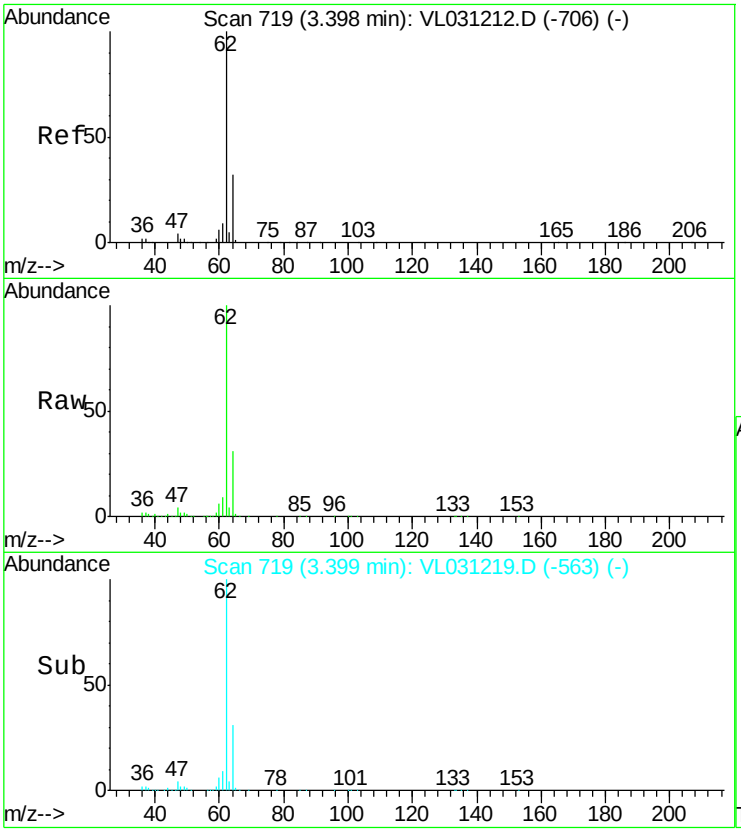


#4
Chloromethane
Concen: 9.74 ppbv
RT: 3.27 min Scan# 680
Delta R.T. 0.00 min
Lab File: VL031219.D
Acq: 14 Dec 2017 3:31

Tgt Ion: 50 Resp: 984458

Ion	Ratio	Lower	Upper
50	100		
52	31.3	26.5	39.7



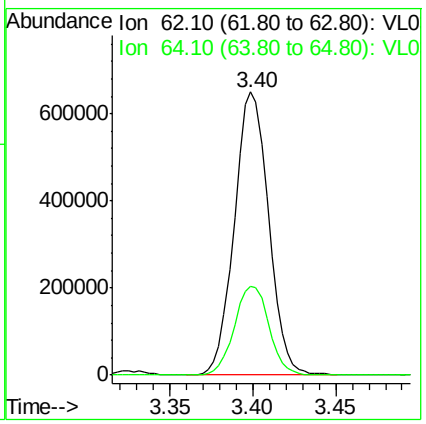


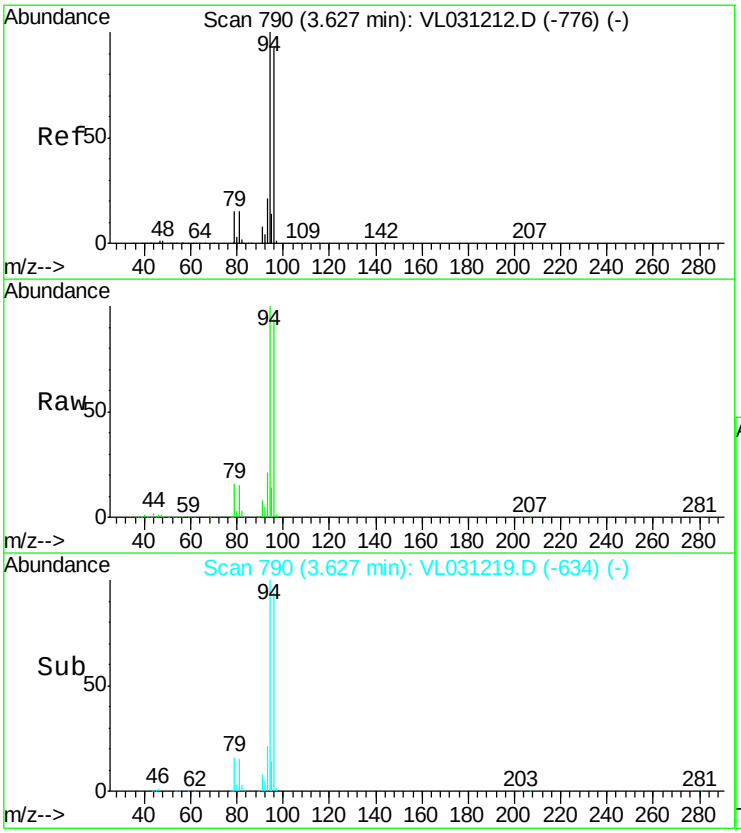
#5
Vinyl Chloride
Concen: 8.96 ppbv
RT: 3.40 min Scan# 719
Delta R.T. 0.00 min
Lab File: VL031219.D
Acq: 14 Dec 2017 3:31

Instrument :
MSVOA_L
ClientSampleId :
BFB

Tgt Ion: 62 Resp: 936142

Ion	Ratio	Lower	Upper
62	100		
64	31.3	25.9	38.9

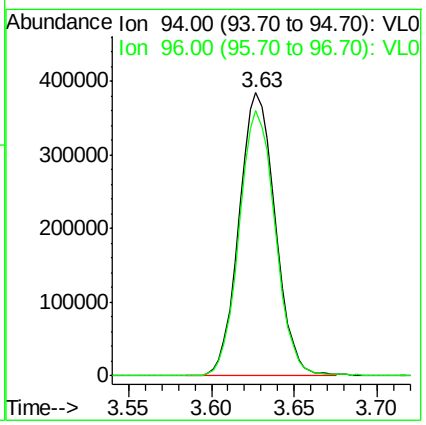


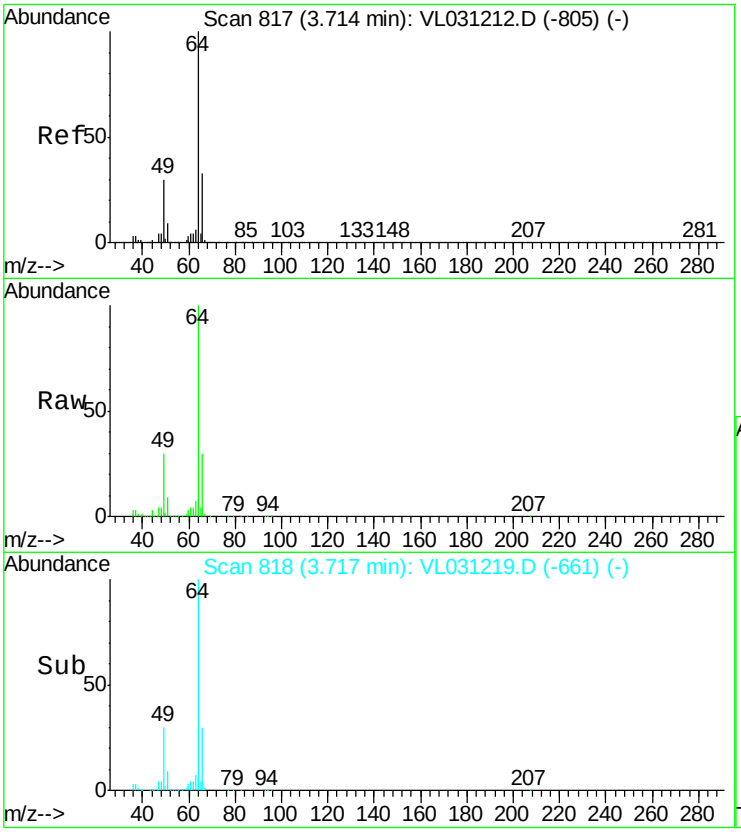


#6
Bromomethane
Concen: 9.42 ppbv
RT: 3.63 min Scan# 790
Delta R.T. 0.00 min
Lab File: VL031219.D
Acq: 14 Dec 2017 3:31

Tgt Ion: 94 Resp: 583164

Ion	Ratio	Lower	Upper
94	100		
96	94.0	74.4	111.6



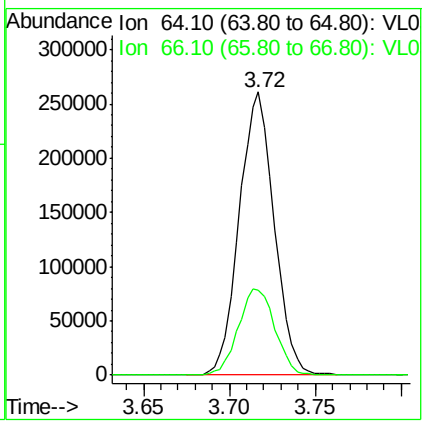


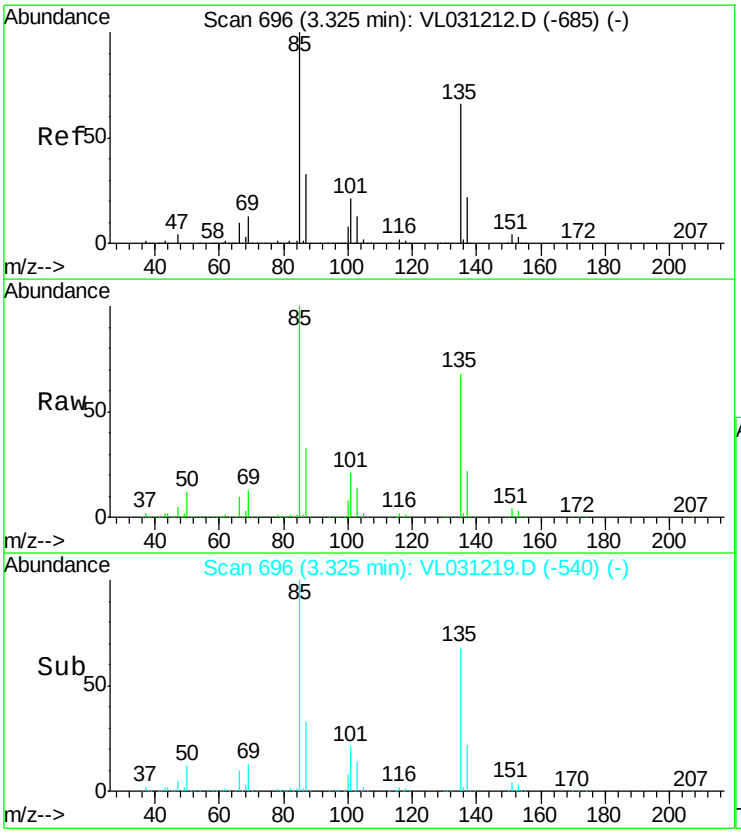
#7
Chloroethane
Concen: 9.48 ppbv
RT: 3.72 min Scan# 818
Delta R.T. 0.00 min
Lab File: VL031219.D
Acq: 14 Dec 2017 3:31

Instrument :
MSVOA_L
ClientSampleId :
BFB

Tgt Ion: 64 Resp: 367038

Ion	Ratio	Lower	Upper
64	100		
66	30.0	26.2	39.2

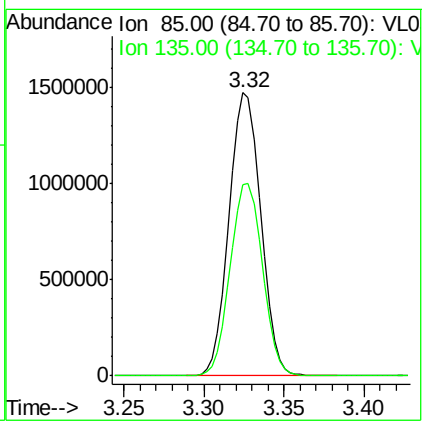


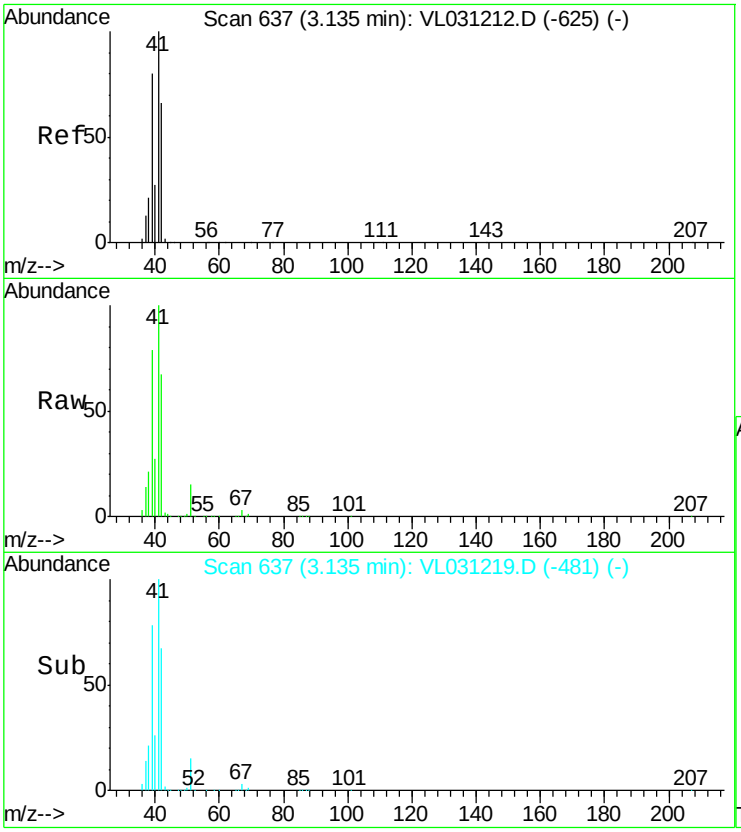


#8
Dichlorotetrafluoroethane
Concen: 10.32 ppbv
RT: 3.32 min Scan# 696
Delta R.T. 0.00 min
Lab File: VL031219.D
Acq: 14 Dec 2017 3:31

Tgt Ion: 85 Resp: 1990719

Ion	Ratio	Lower	Upper
85	100		
135	69.3	54.0	81.0



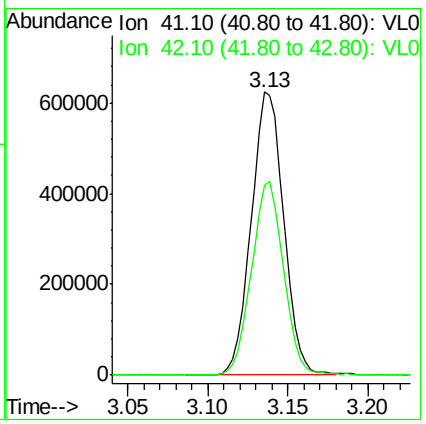


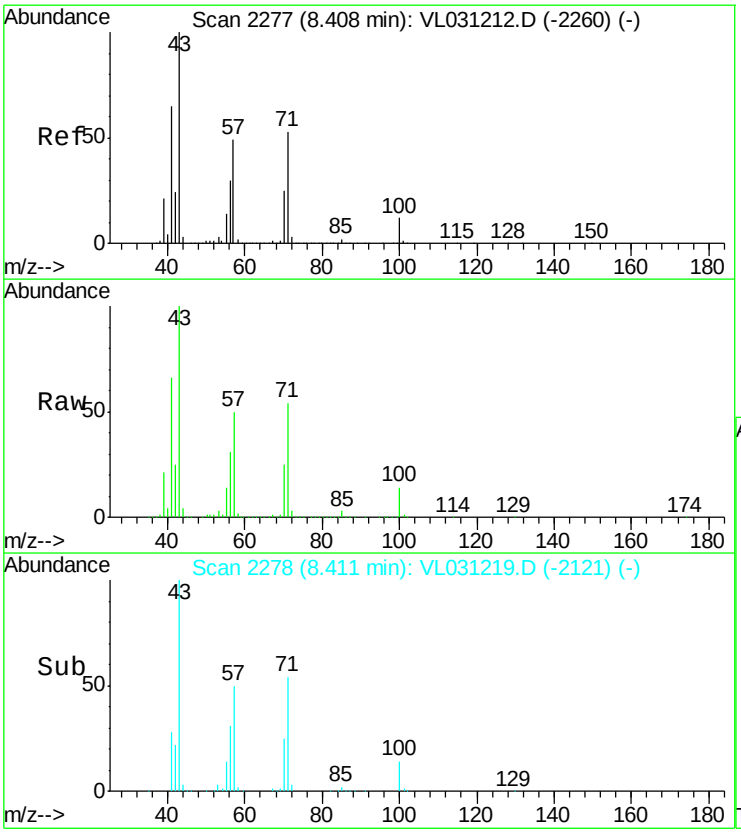
#9
Propene
Concen: 9.44 ppbv
RT: 3.13 min Scan# 637
Delta R.T. 0.00 min
Lab File: VL031219.D
Acq: 14 Dec 2017 3:31

Instrument :
MSVOA_L
ClientSampleId :
BFB

Tgt Ion: 41 Resp: 866135

Ion	Ratio	Lower	Upper
41	100		
42	67.6	54.3	81.5

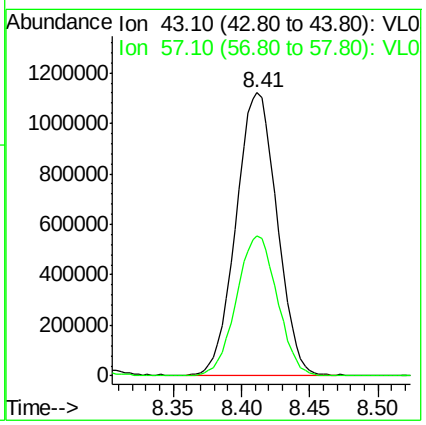


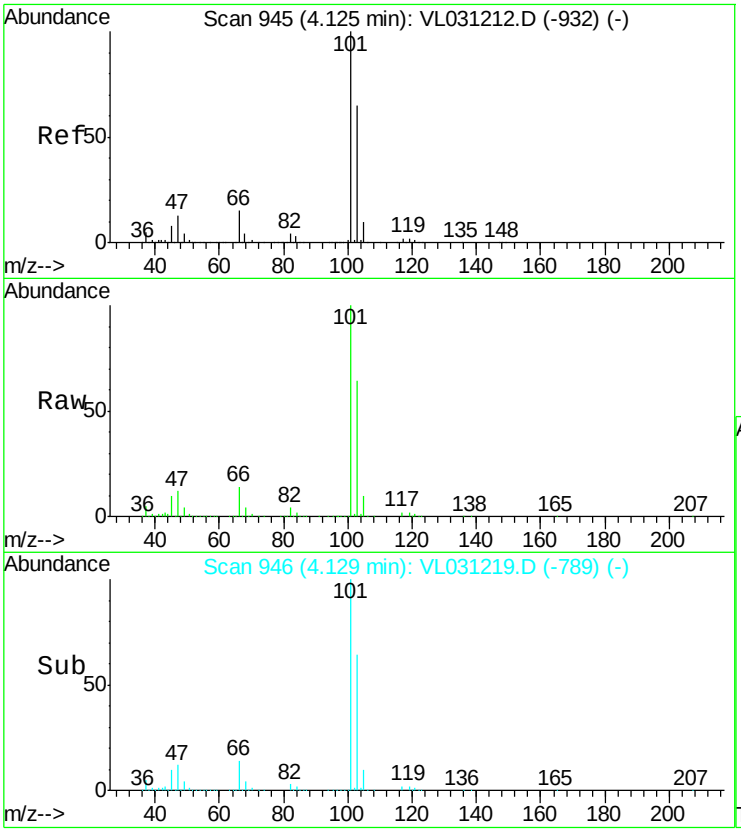


#10
Heptane
Concen: 8.35 ppbv
RT: 8.41 min Scan# 2278
Delta R.T. 0.00 min
Lab File: VL031219.D
Acq: 14 Dec 2017 3:31

Tgt Ion: 43 Resp: 2332018

Ion	Ratio	Lower	Upper
43	100		
57	49.2	39.8	59.8



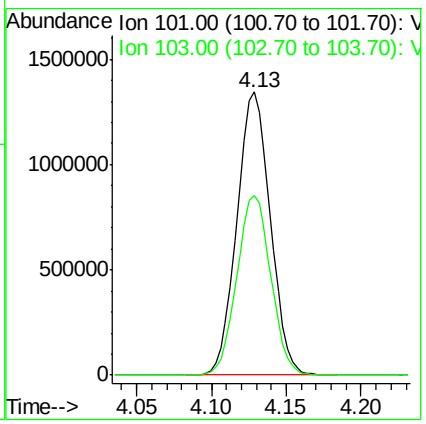


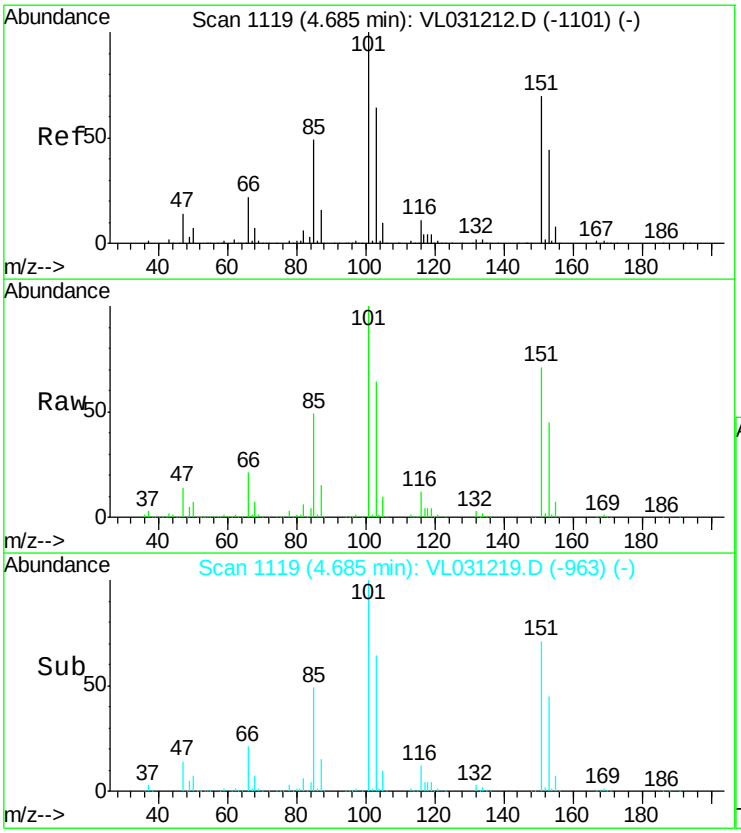
#11
Trichlorofluoromethane
Concen: 9.18 ppbv
RT: 4.13 min Scan# 946
Delta R.T. 0.00 min
Lab File: VL031219.D
Acq: 14 Dec 2017 3:31

Instrument :
MSVOA_L
ClientSampleId :
BFB

Tgt Ion:101 Resp: 2095700

Ion	Ratio	Lower	Upper
101	100		
103	63.5	51.8	77.8

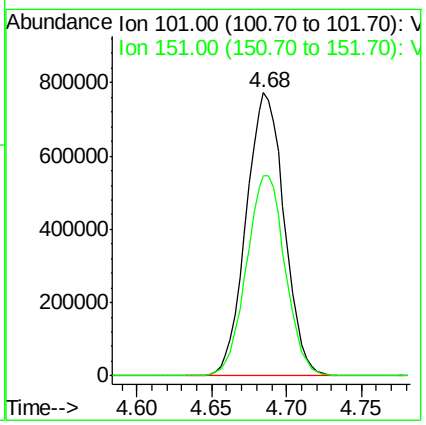


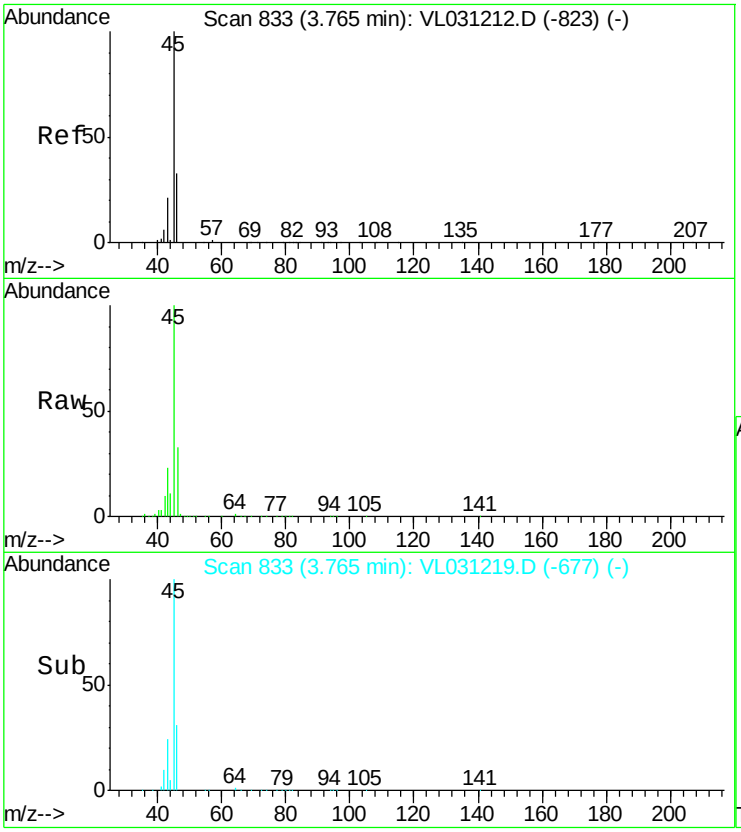


#12
1,1,2-Trichlorotrifluoroethane
Concen: 8.55 ppbv
RT: 4.68 min Scan# 1119
Delta R.T. 0.00 min
Lab File: VL031219.D
Acq: 14 Dec 2017 3:31

Tgt Ion:101 Resp: 1368616

Ion	Ratio	Lower	Upper
101	100		
151	72.1	56.5	84.7



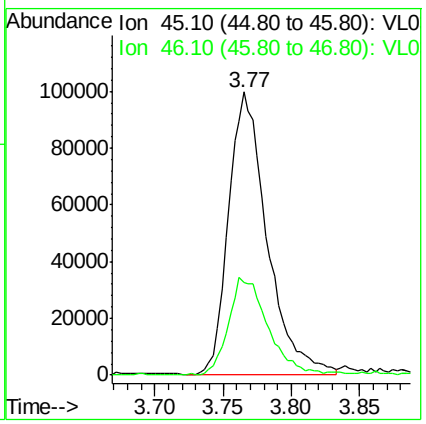


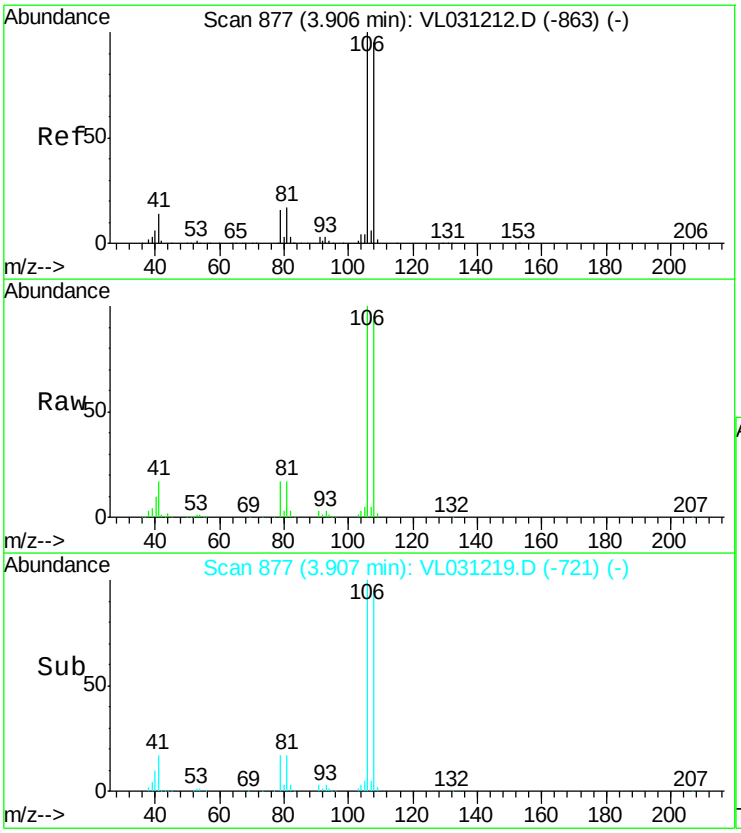
#13
Ethanol
Concen: 7.34 ppbv
RT: 3.77 min Scan# 833
Delta R.T. 0.00 min
Lab File: VL031219.D
Acq: 14 Dec 2017 3:31

Instrument :
MSVOA_L
ClientSampleId :
BFB

Tgt Ion: 45 Resp: 194263

Ion	Ratio	Lower	Upper
45	100		
46	36.2	14.6	58.4

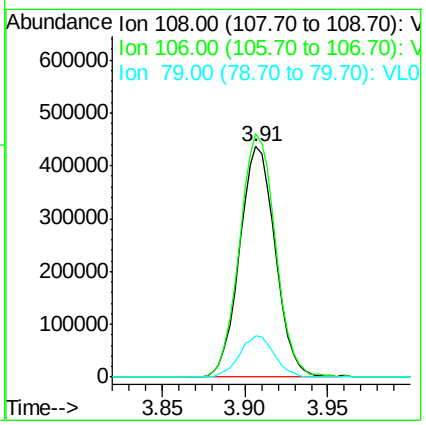


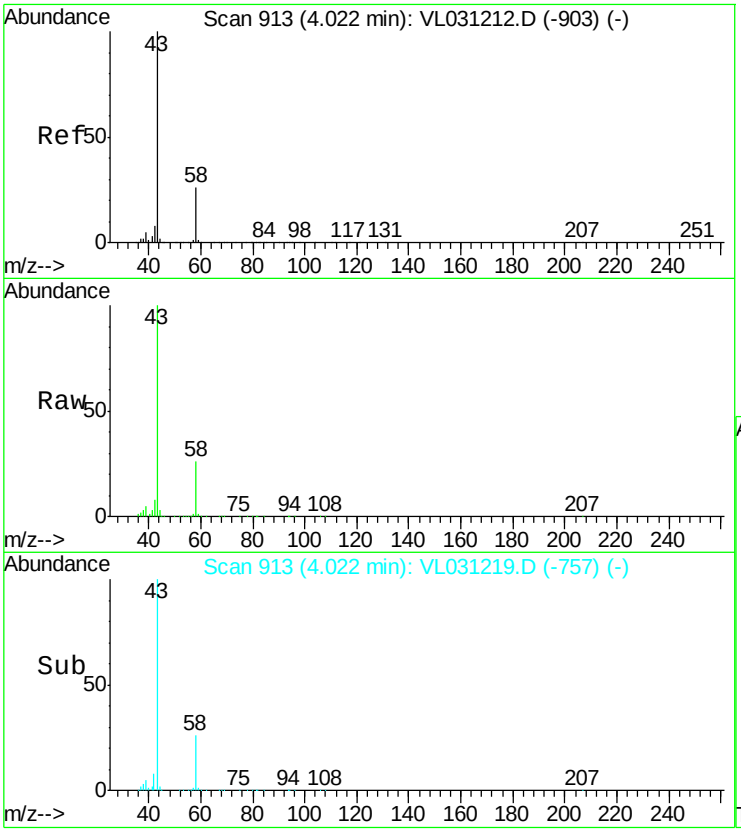


#14
Bromoethene
Concen: 9.48 ppbv
RT: 3.91 min Scan# 877
Delta R.T. 0.00 min
Lab File: VL031219.D
Acq: 14 Dec 2017 3:31

Tgt Ion:108 Resp: 652259

Ion	Ratio	Lower	Upper
108	100		
106	106.8	86.5	129.7
79	17.8	14.2	21.4

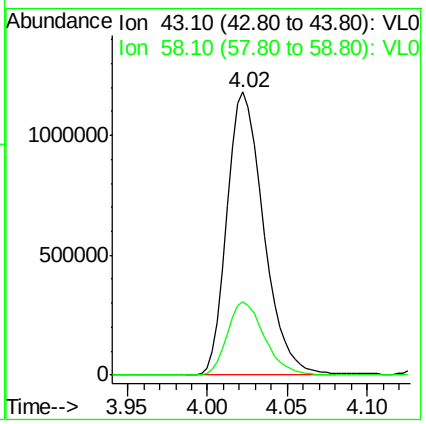




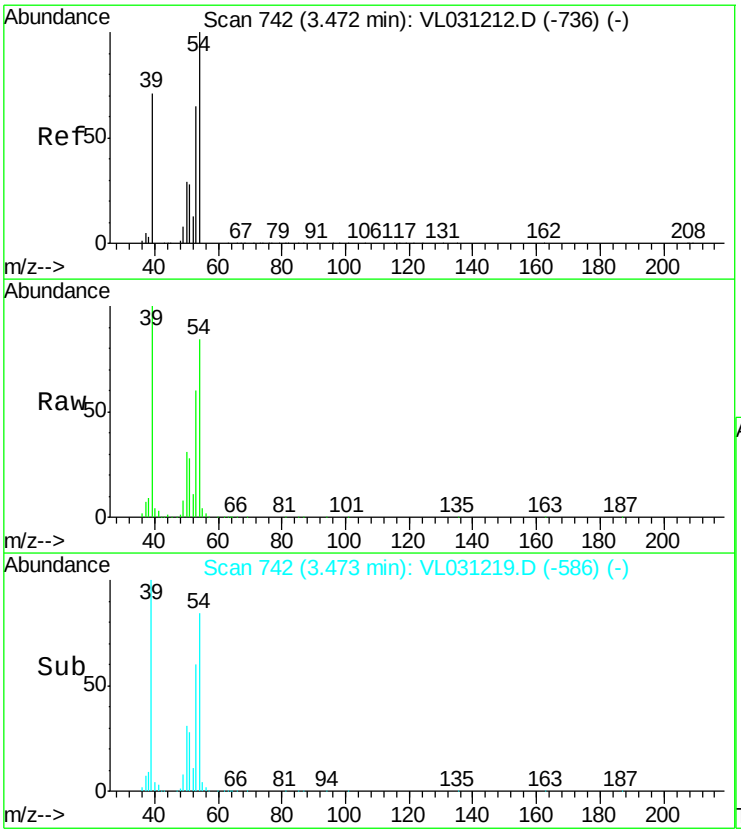
#15
Acetone
Concen: 8.49 ppbv
RT: 4.02 min Scan# 913
Delta R.T. 0.00 min
Lab File: VL031219.D
Acq: 14 Dec 2017 3:31

Tgt Ion: 43 Resp: 1843498

Ion	Ratio	Lower	Upper
43	100		
58	26.4	20.3	30.5



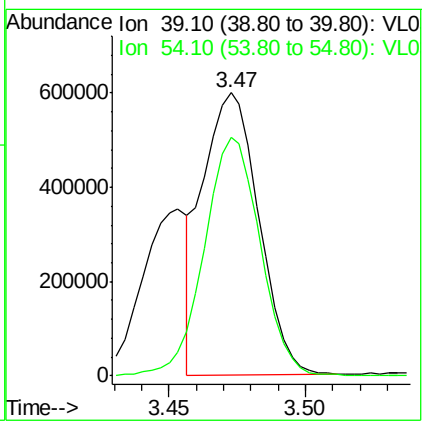
Instrument :
MSVOA_L
ClientSampleId :
BFB

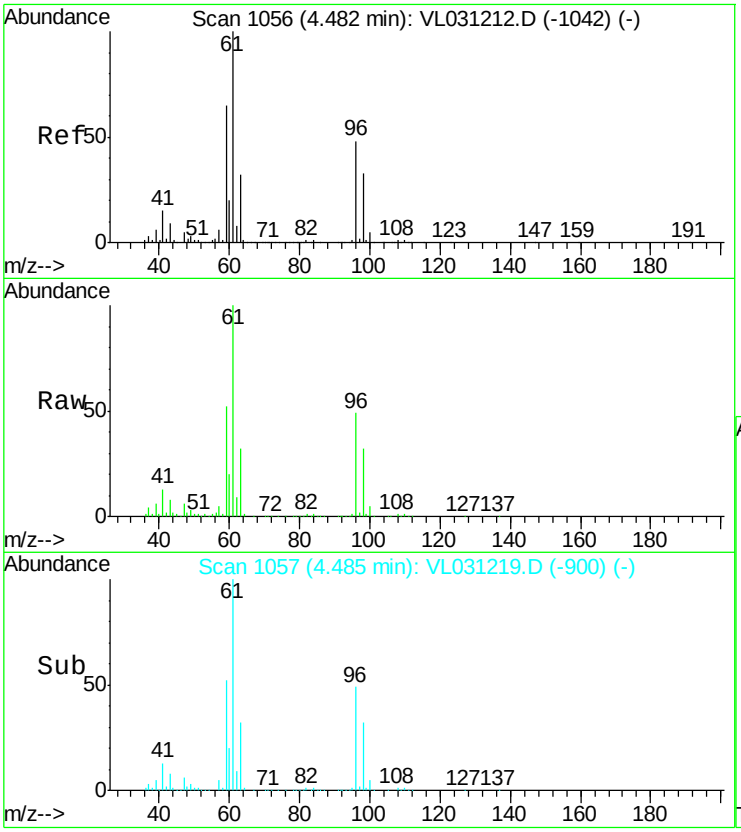


#16
1,3-Butadiene
Concen: 9.10 ppbv
RT: 3.47 min Scan# 742
Delta R.T. 0.00 min
Lab File: VL031219.D
Acq: 14 Dec 2017 3:31

Tgt Ion: 39 Resp: 849898

Ion	Ratio	Lower	Upper
39	100		
54	85.3	66.4	99.6



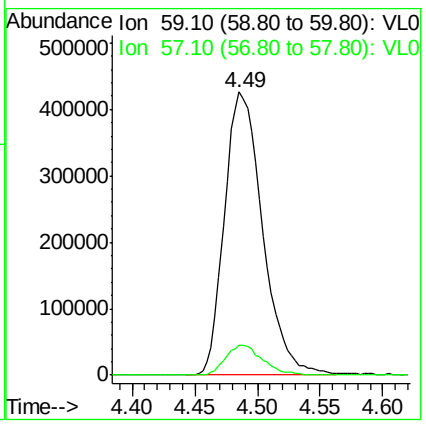


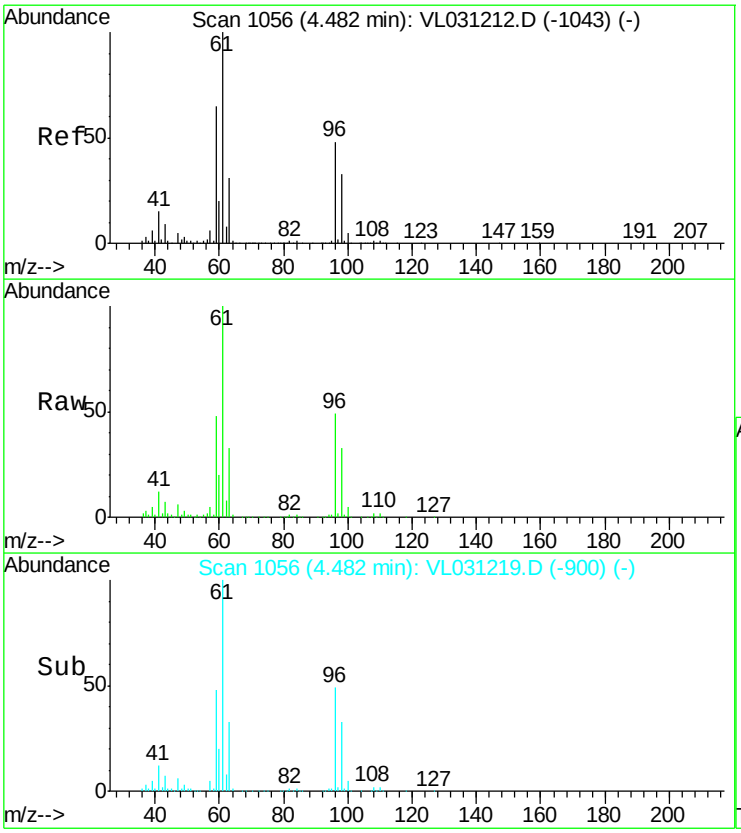
#17
tert-Butyl alcohol
Concen: 7.39 ppbv
RT: 4.49 min Scan# 1057
Delta R.T. 0.00 min
Lab File: VL031219.D
Acq: 14 Dec 2017 3:31

Instrument : MSVOA_L
ClientSampleId : BFB

Tgt Ion: 59 Resp: 900563

Ion	Ratio	Lower	Upper
59	100		
57	10.5	8.2	12.2

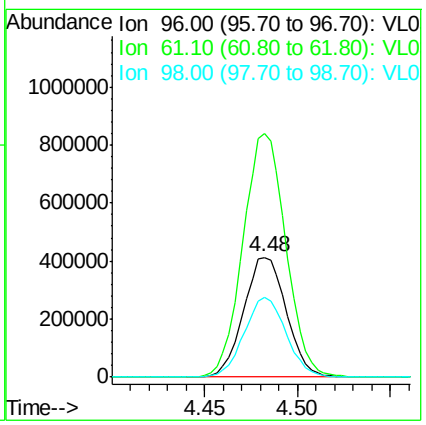


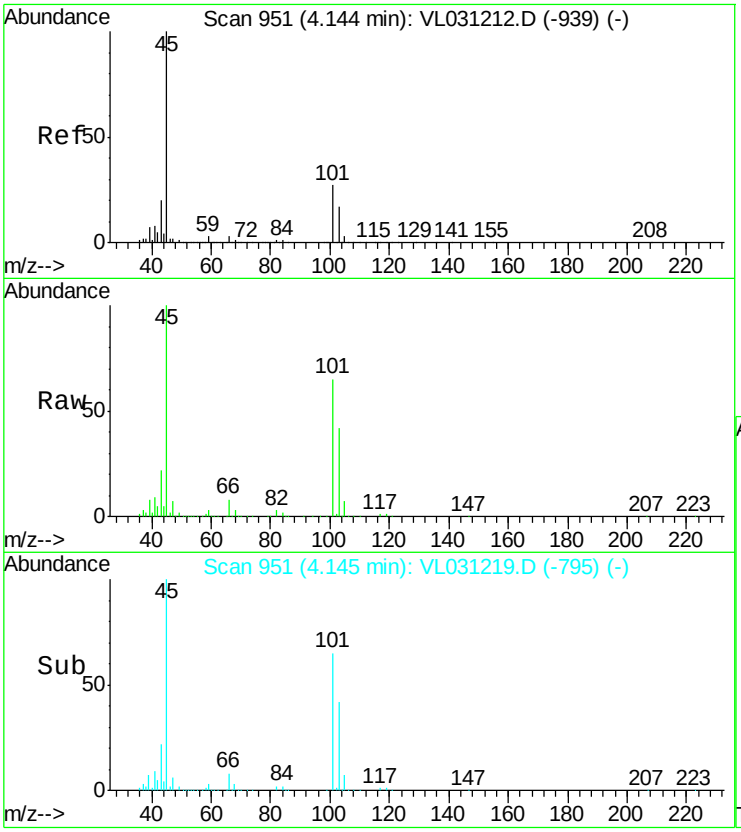


#18
1,1-Dichloroethene
Concen: 9.23 ppbv
RT: 4.48 min Scan# 1056
Delta R.T. 0.00 min
Lab File: VL031219.D
Acq: 14 Dec 2017 3:31

Tgt Ion: 96 Resp: 661706

Ion	Ratio	Lower	Upper
96	100		
61	203.5	166.8	250.2
98	66.4	55.0	82.6



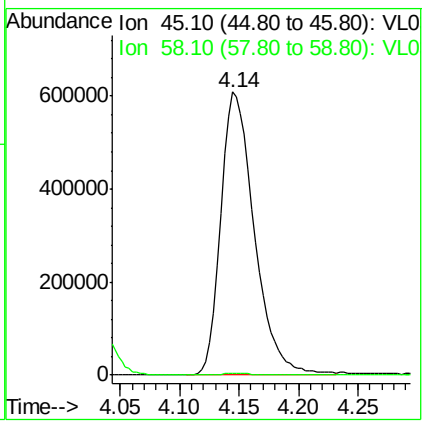


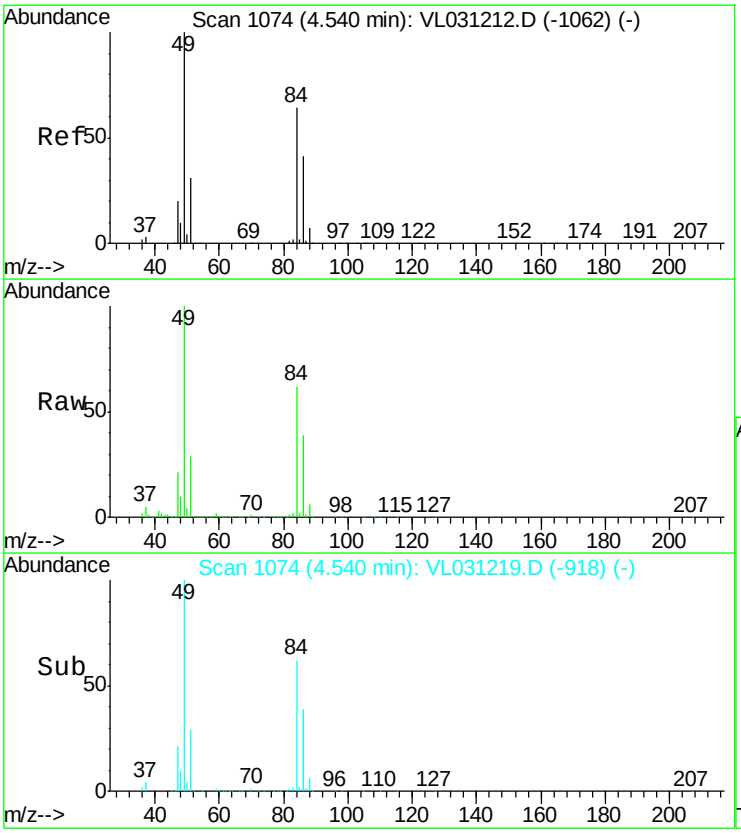
#19
Isopropyl Alcohol
Concen: 8.64 ppbv
RT: 4.14 min Scan# 951
Delta R.T. 0.00 min
Lab File: VL031219.D
Acq: 14 Dec 2017 3:31

Instrument :
MSVOA_L
ClientSampleId :
BFB

Tgt Ion: 45 Resp: 1186649

Ion	Ratio	Lower	Upper
45	100		
58	41.0	27.2	40.8#

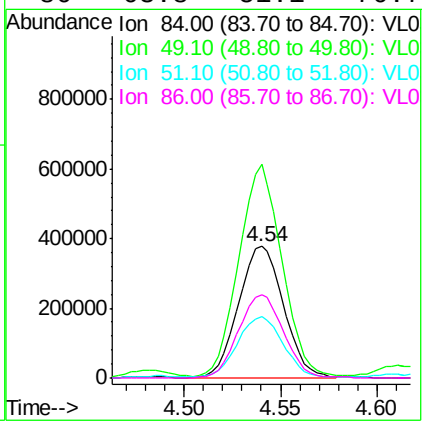


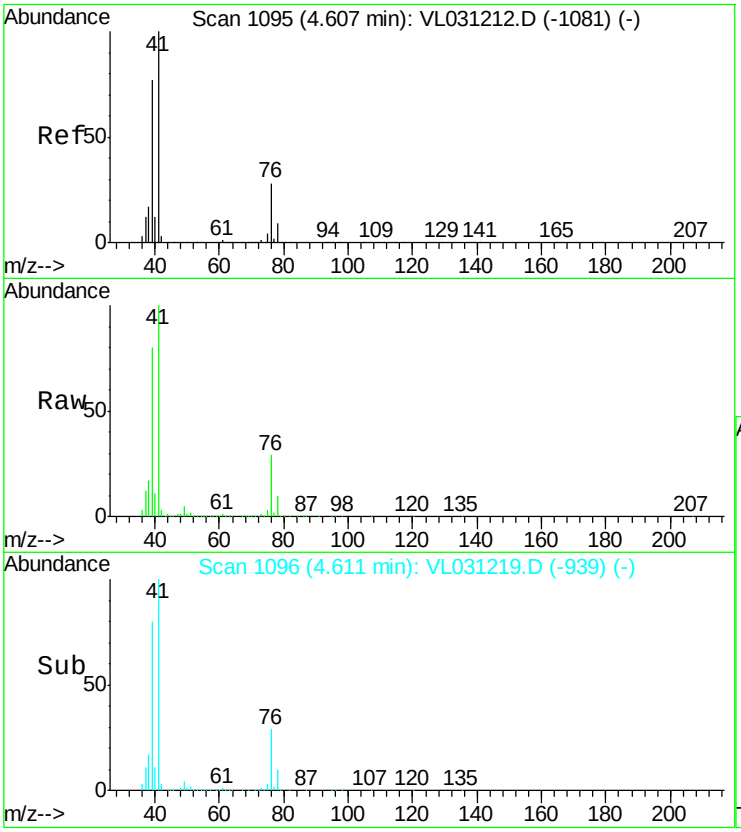


#20
Methylene Chloride
Concen: 8.44 ppbv
RT: 4.54 min Scan# 1074
Delta R.T. 0.00 min
Lab File: VL031219.D
Acq: 14 Dec 2017 3:31

Tgt Ion: 84 Resp: 606515

Ion	Ratio	Lower	Upper
84	100		
49	161.3	125.8	188.6
51	46.6	39.3	58.9
86	63.8	51.1	76.7



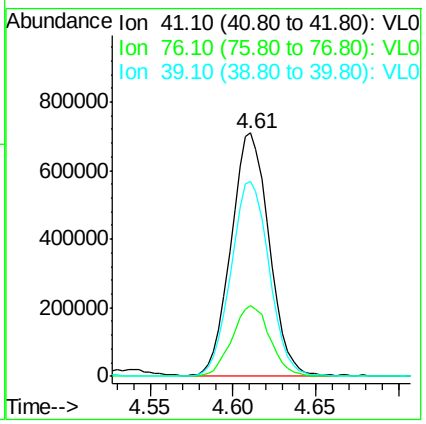


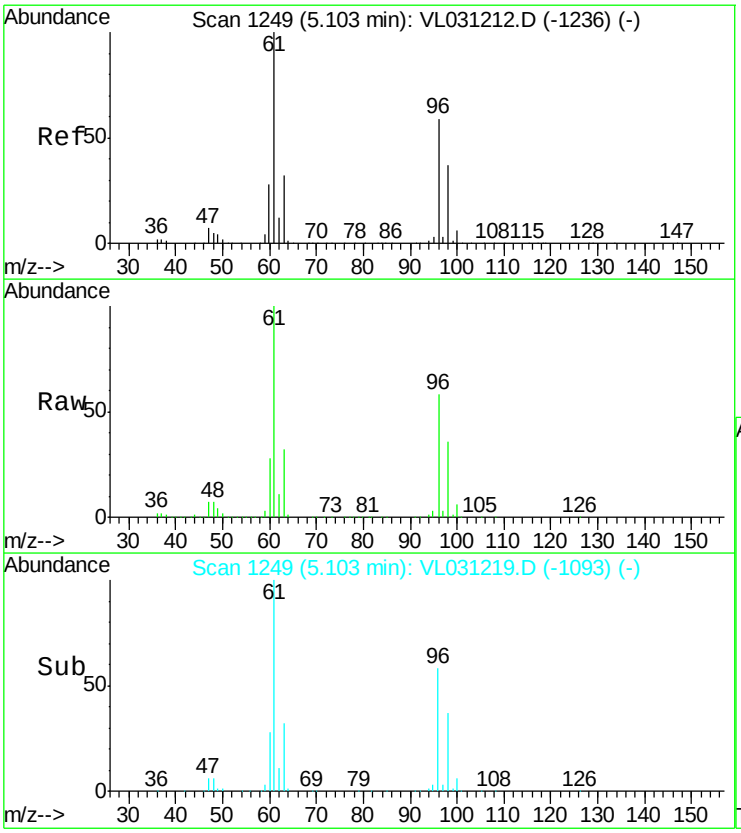
#21
Allyl Chloride
Concen: 8.82 ppbv
RT: 4.61 min Scan# 1096
Delta R.T. 0.00 min
Lab File: VL031219.D
Acq: 14 Dec 2017 3:31

Instrument : MSVOA_L
ClientSampleId : BFB

Tgt Ion: 41 Resp: 1126092

Ion	Ratio	Lower	Upper
41	100		
76	29.0	22.9	34.3
39	80.8	62.6	93.8

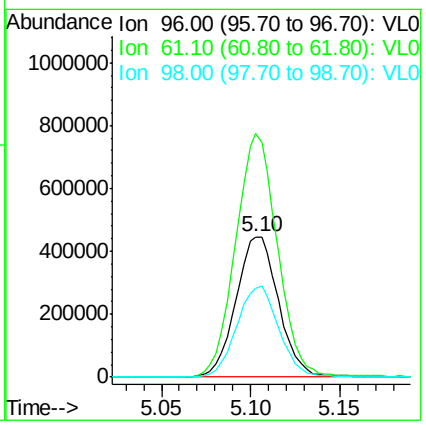


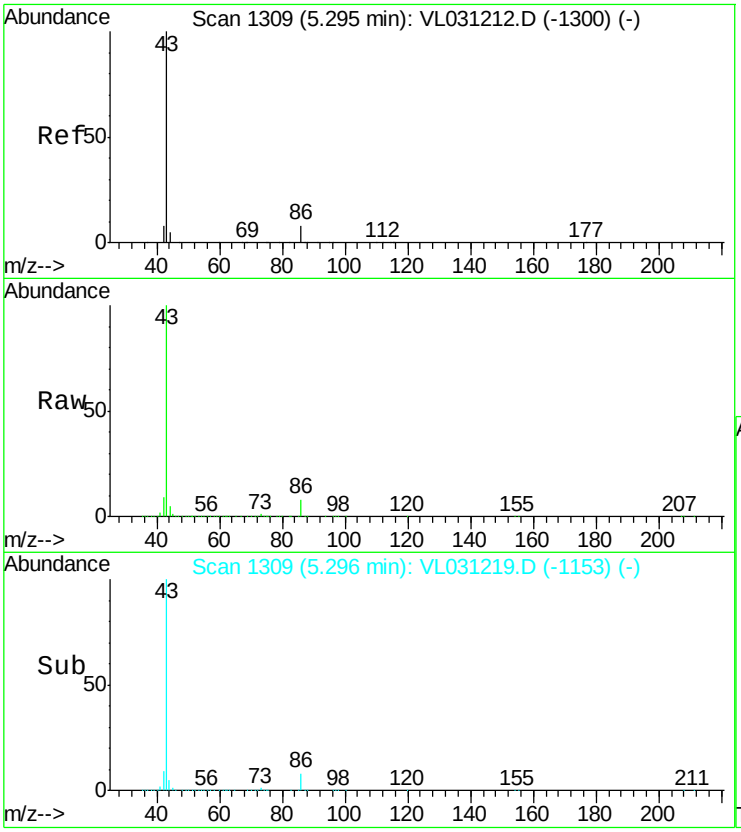


#22
trans-1,2-Dichloroethene
Concen: 8.39 ppbv
RT: 5.10 min Scan# 1249
Delta R.T. 0.00 min
Lab File: VL031219.D
Acq: 14 Dec 2017 3:31

Tgt Ion: 96 Resp: 739766

Ion	Ratio	Lower	Upper
96	100		
61	173.6	135.0	202.4
98	62.9	50.5	75.7



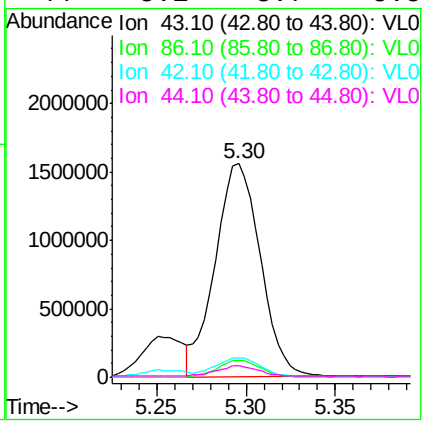


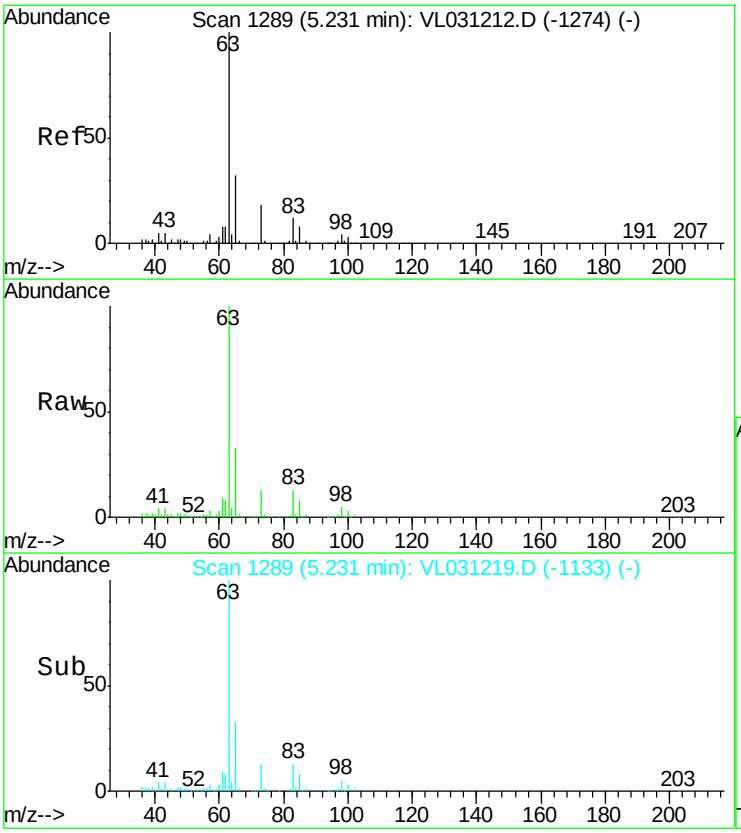
#23
Vinyl Acetate
Concen: 7.81 ppbv
RT: 5.30 min Scan# 1309
Delta R.T. 0.00 min
Lab File: VL031219.D
Acq: 14 Dec 2017 3:31

Instrument : MSVOA_L
ClientSampleId : BFB

Tgt Ion: 43 Resp: 2730645

Ion	Ratio	Lower	Upper
43	100		
86	8.0	5.9	8.9
42	9.1	7.3	10.9
44	5.1	3.7	5.5

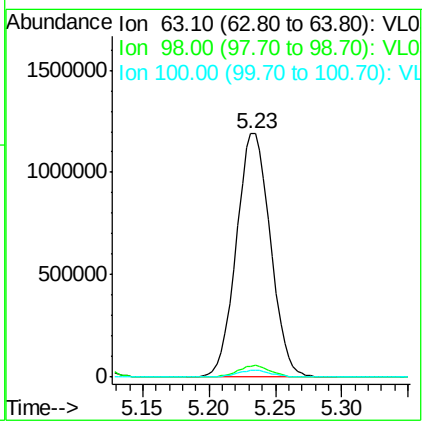


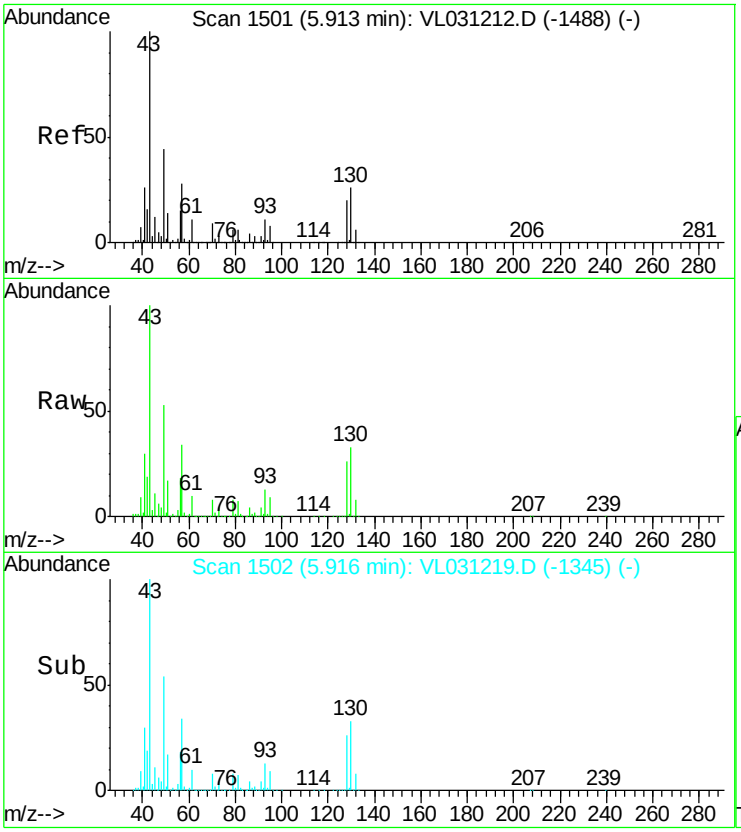


#24
1,1-Dichloroethane
Concen: 8.37 ppbv
RT: 5.23 min Scan# 1289
Delta R.T. 0.00 min
Lab File: VL031219.D
Acq: 14 Dec 2017 3:31

Tgt Ion: 63 Resp: 2125229

Ion	Ratio	Lower	Upper
63	100		
98	4.6	2.3	6.8
100	2.6	1.4	4.2



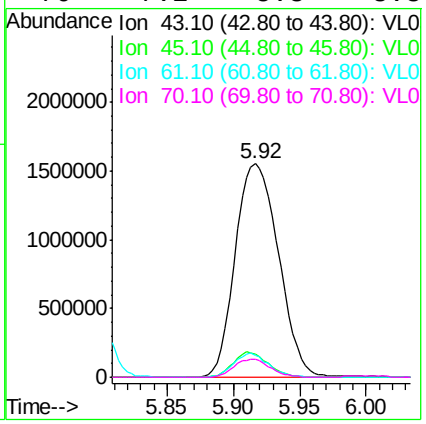


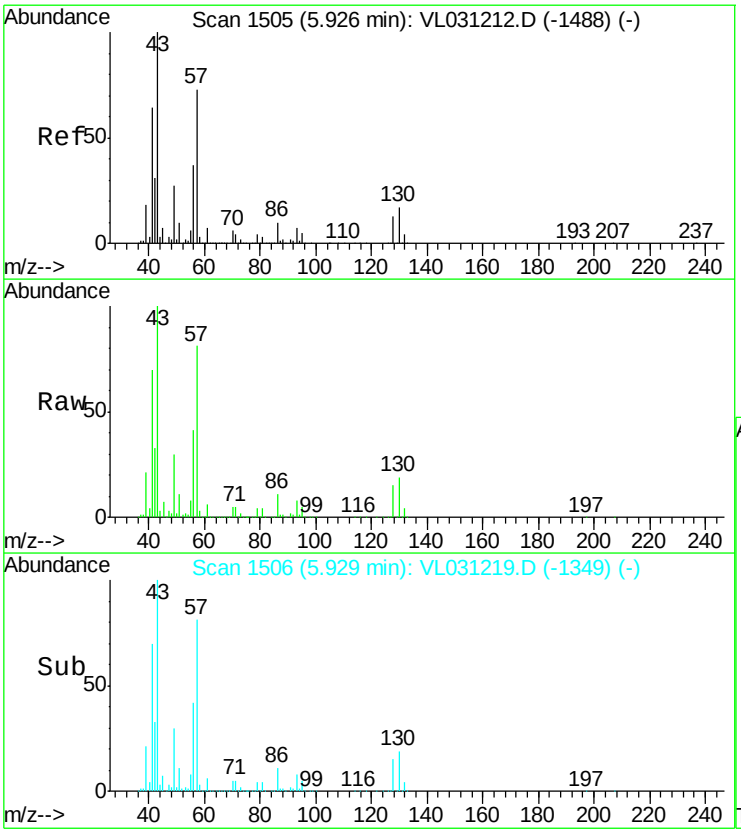
#25
Ethyl Acetate
Concen: 7.94 ppbv
RT: 5.92 min Scan# 1502
Delta R.T. 0.00 min
Lab File: VL031219.D
Acq: 14 Dec 2017 3:31

Instrument :
MSVOA_L
ClientSampleId :
BFB

Tgt Ion: 43 Resp: 3521546

Ion	Ratio	Lower	Upper
43	100		
45	9.7	8.0	12.0
61	8.9	7.4	11.0
70	7.2	5.8	8.8

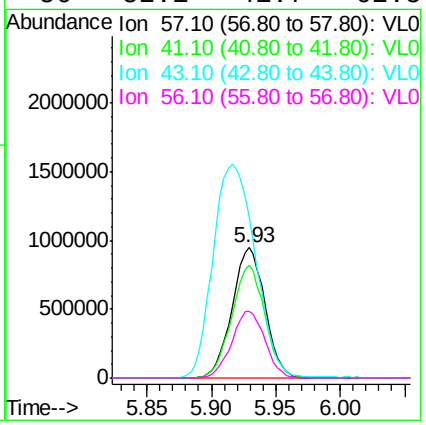


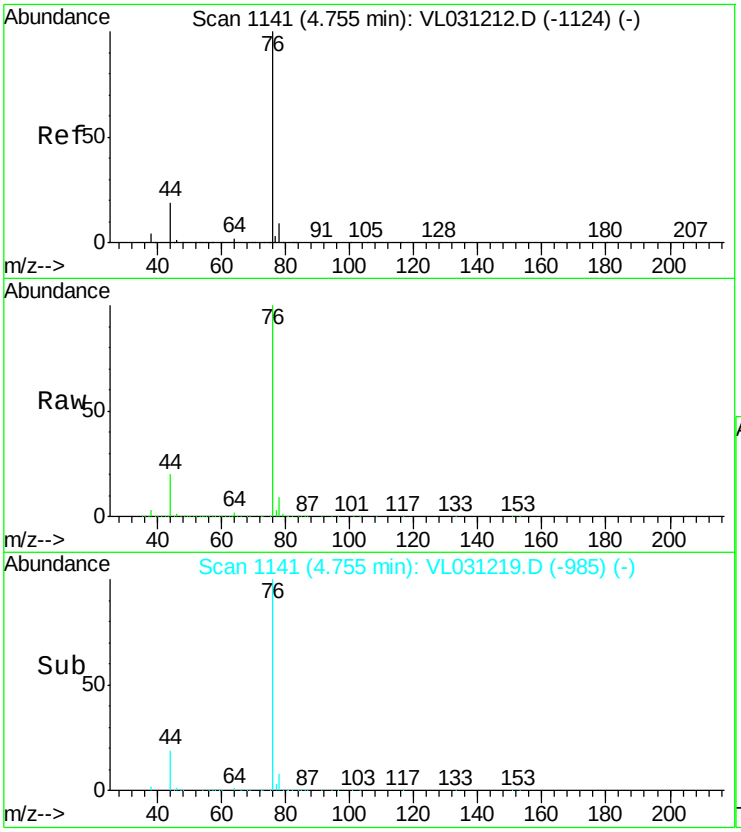


#26
Hexane
Concen: 7.97 ppbv
RT: 5.93 min Scan# 1506
Delta R.T. 0.00 min
Lab File: VL031219.D
Acq: 14 Dec 2017 3:31

Tgt Ion: 57 Resp: 1676150

Ion	Ratio	Lower	Upper
57	100		
41	87.9	70.3	105.5
43	211.3	173.8	260.8
56	52.1	41.7	62.5



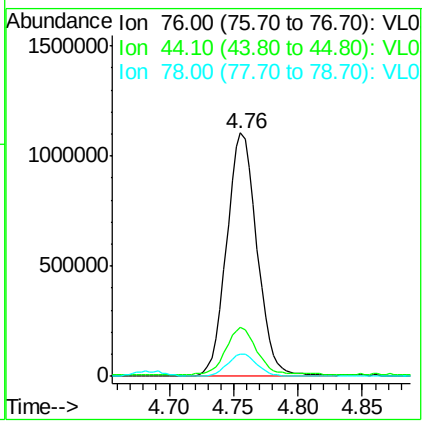


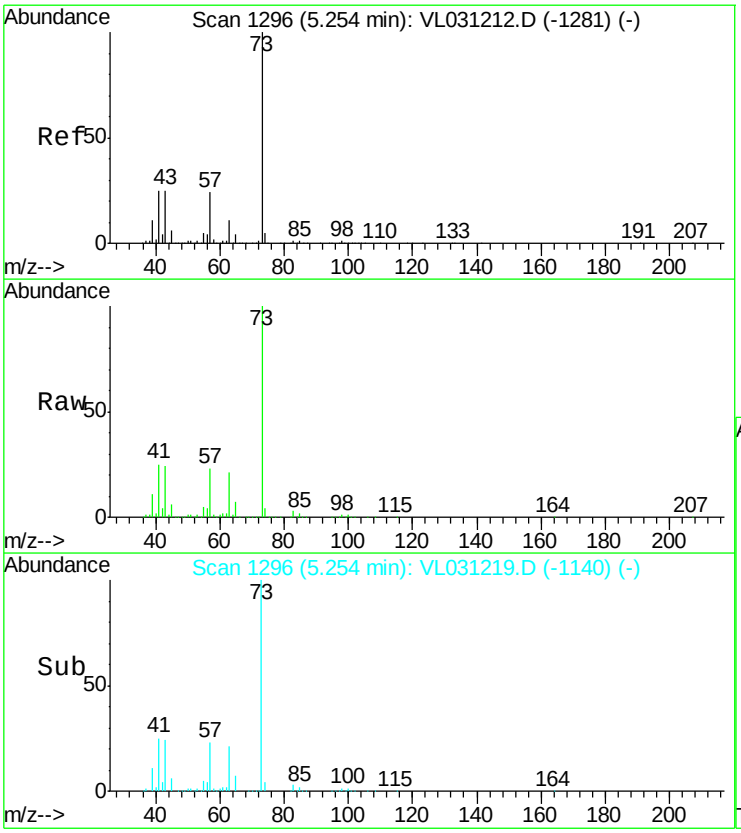
#27
Carbon Disulfide
Concen: 8.58 ppbv
RT: 4.76 min Scan# 1141
Delta R.T. 0.00 min
Lab File: VL031219.D
Acq: 14 Dec 2017 3:31

Instrument :
MSVOA_L
ClientSampleId :
BFB

Tgt Ion: 76 Resp: 1807667

Ion	Ratio	Lower	Upper
76	100		
44	19.5	16.0	24.0
78	9.1	7.5	11.3

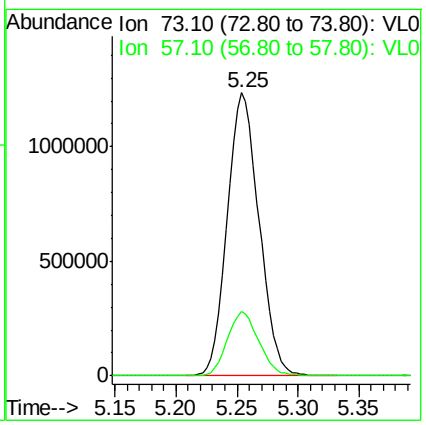


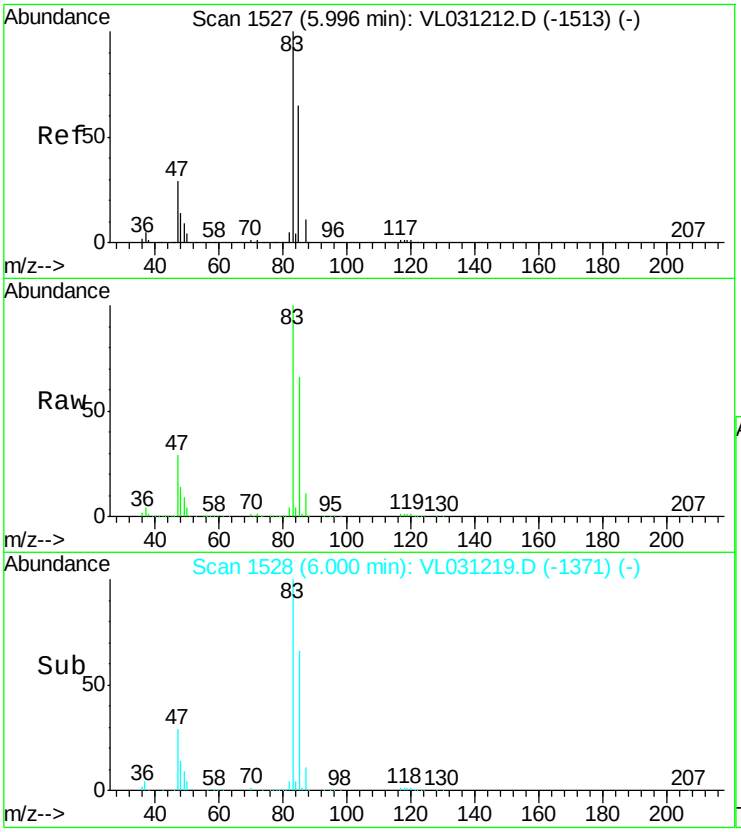


#28
Methyl tert-Butyl Ether
Concen: 8.15 ppbv
RT: 5.25 min Scan# 1296
Delta R.T. 0.00 min
Lab File: VL031219.D
Acq: 14 Dec 2017 3:31

Tgt Ion: 73 Resp: 2242168

Ion	Ratio	Lower	Upper
73	100		
57	22.7	18.5	27.7



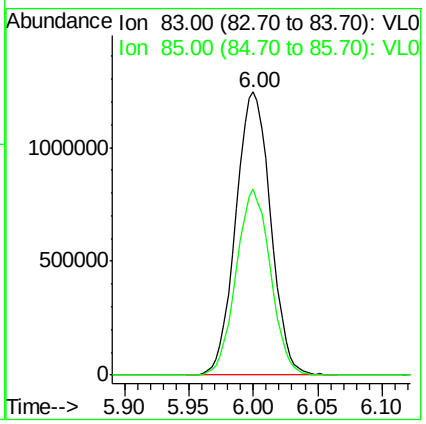


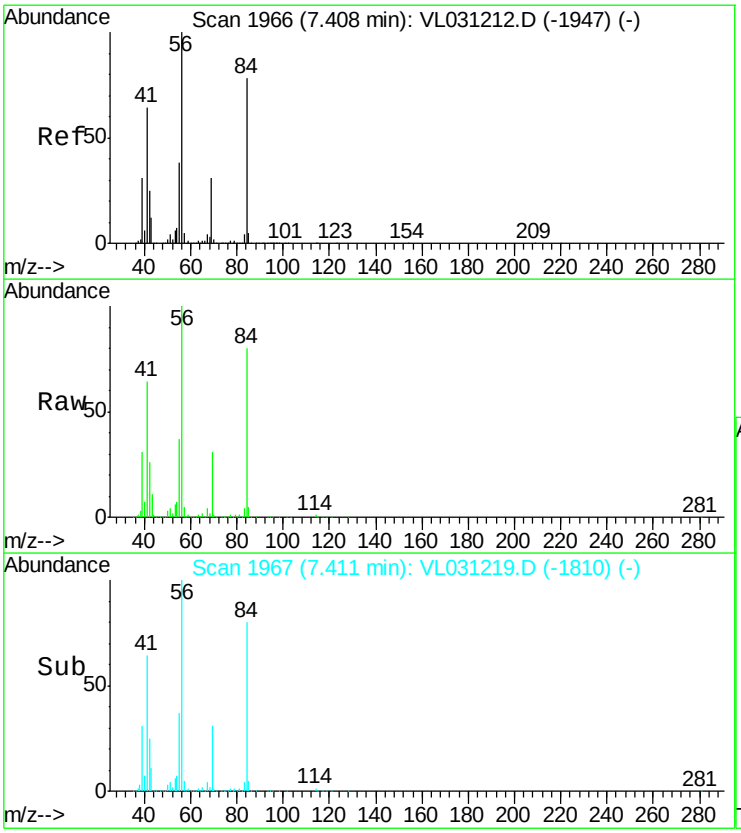
#29
Chloroform
Concen: 8.23 ppbv
RT: 6.00 min Scan# 1528
Delta R.T. 0.00 min
Lab File: VL031219.D
Acq: 14 Dec 2017 3:31

Instrument :
MSVOA_L
ClientSampleId :
BFB

Tgt Ion: 83 Resp: 2338590

Ion	Ratio	Lower	Upper
83	100		
85	65.6	51.8	77.6

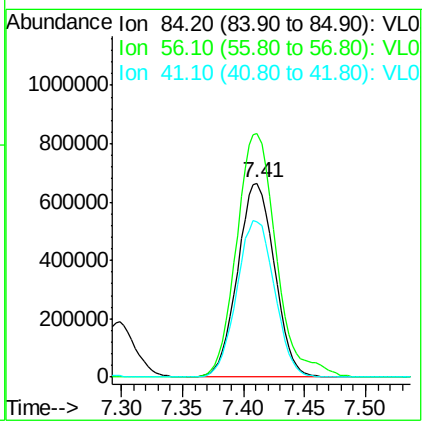


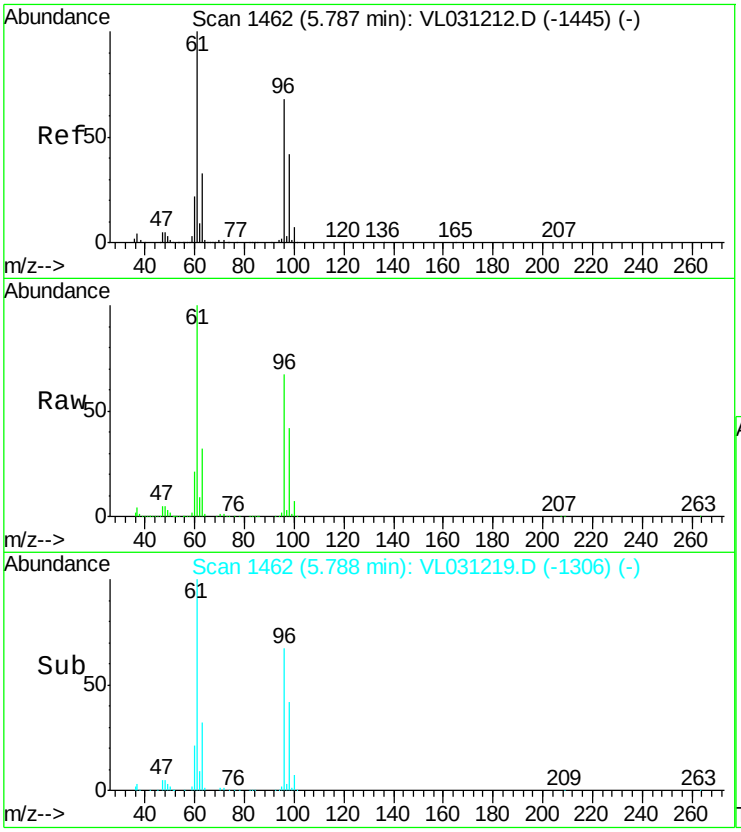


#30
Cyclohexane
Concen: 7.49 ppbv
RT: 7.41 min Scan# 1967
Delta R.T. 0.00 min
Lab File: VL031219.D
Acq: 14 Dec 2017 3:31

Tgt Ion: 84 Resp: 1388566

Ion	Ratio	Lower	Upper
84	100		
56	135.6	108.0	162.0
41	82.2	66.2	99.4



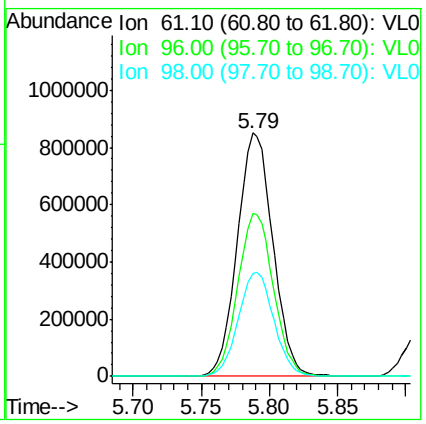


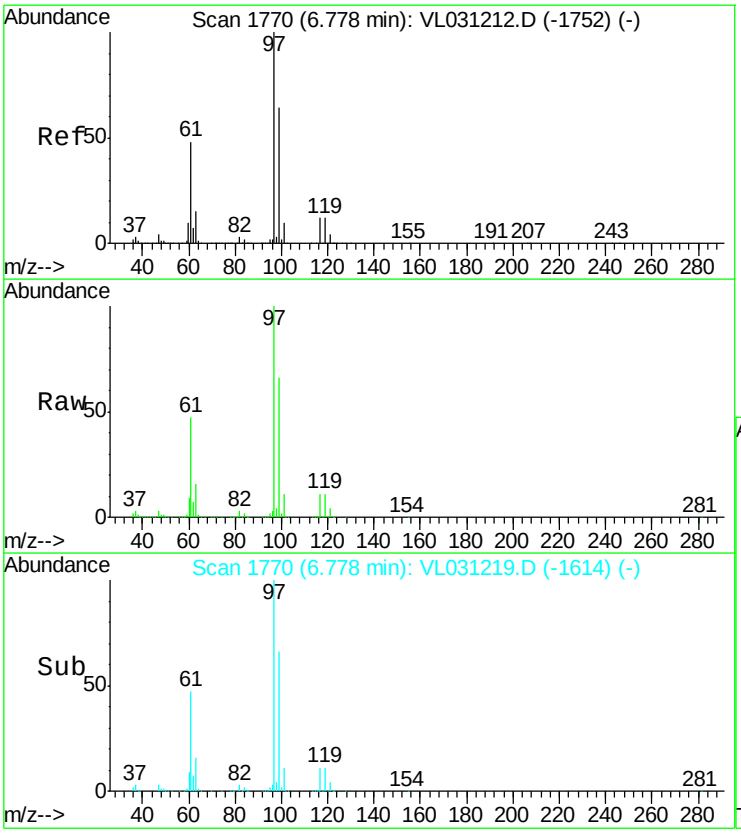
#31
cis-1,2-Dichloroethene
Concen: 8.07 ppbv
RT: 5.79 min Scan# 1462
Delta R.T. 0.00 min
Lab File: VL031219.D
Acq: 14 Dec 2017 3:31

Instrument :
MSVOA_L
ClientSampleId :
BFB

Tgt Ion: 61 Resp: 1539801

Ion	Ratio	Lower	Upper
61	100		
96	67.0	54.4	81.6
98	42.4	33.6	50.4

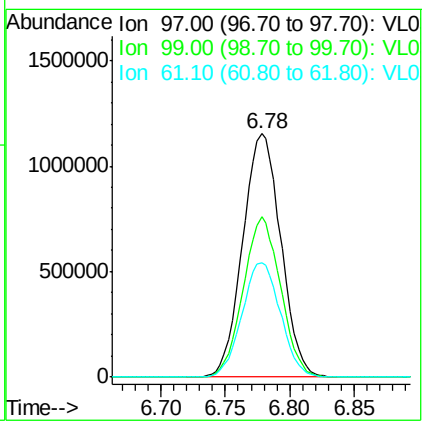


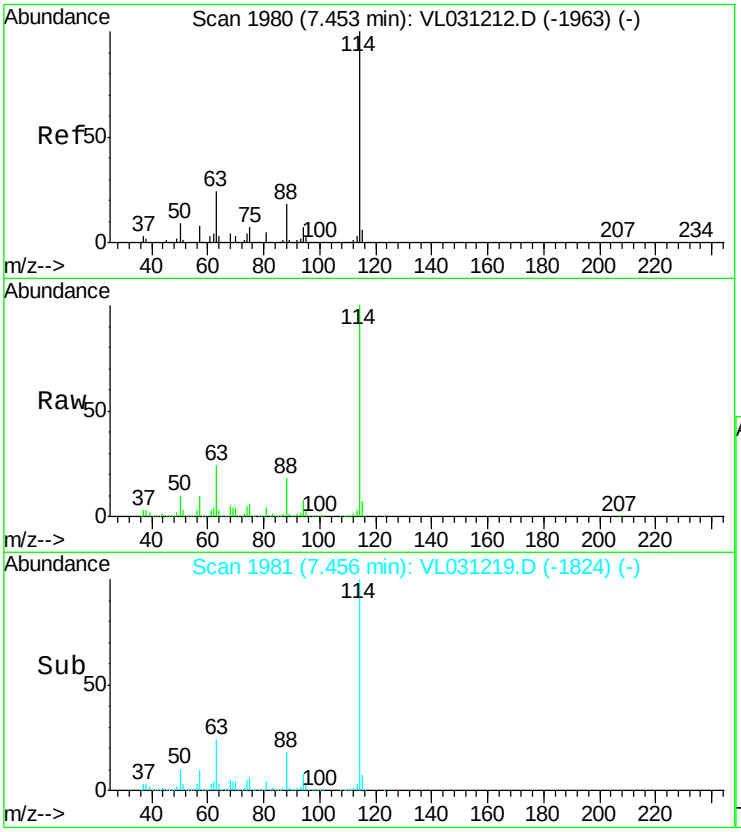


#32
1,1,1-Trichloroethane
Concen: 7.83 ppbv
RT: 6.78 min Scan# 1770
Delta R.T. 0.00 min
Lab File: VL031219.D
Acq: 14 Dec 2017 3:31

Tgt Ion: 97 Resp: 2378809

Ion	Ratio	Lower	Upper
97	100		
99	64.5	51.4	77.0
61	47.4	38.4	57.6



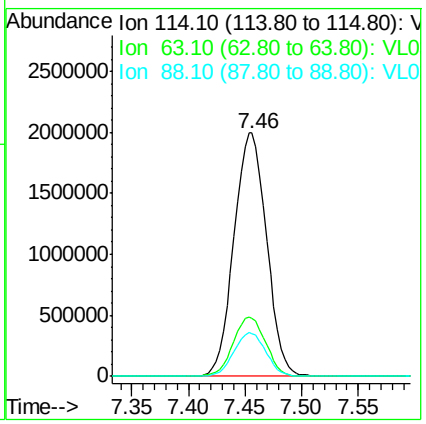


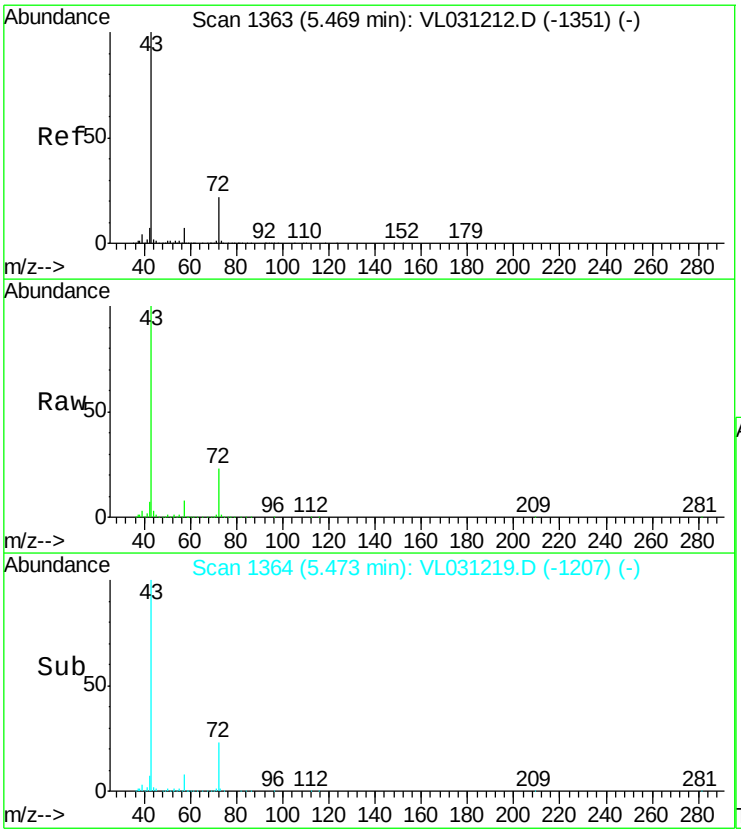
#33
1,4-Difluorobenzene
Concen: 10.00 ppbv
RT: 7.46 min Scan# 1981
Delta R.T. 0.00 min
Lab File: VL031219.D
Acq: 14 Dec 2017 3:31

Instrument :
MSVOA_L
ClientSampleId :
BFB

Tgt Ion:114 Resp: 4007506

Ion	Ratio	Lower	Upper
114	100		
63	24.5	19.8	29.8
88	17.6	14.2	21.4

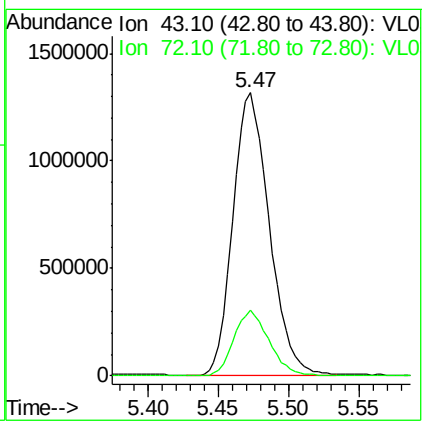


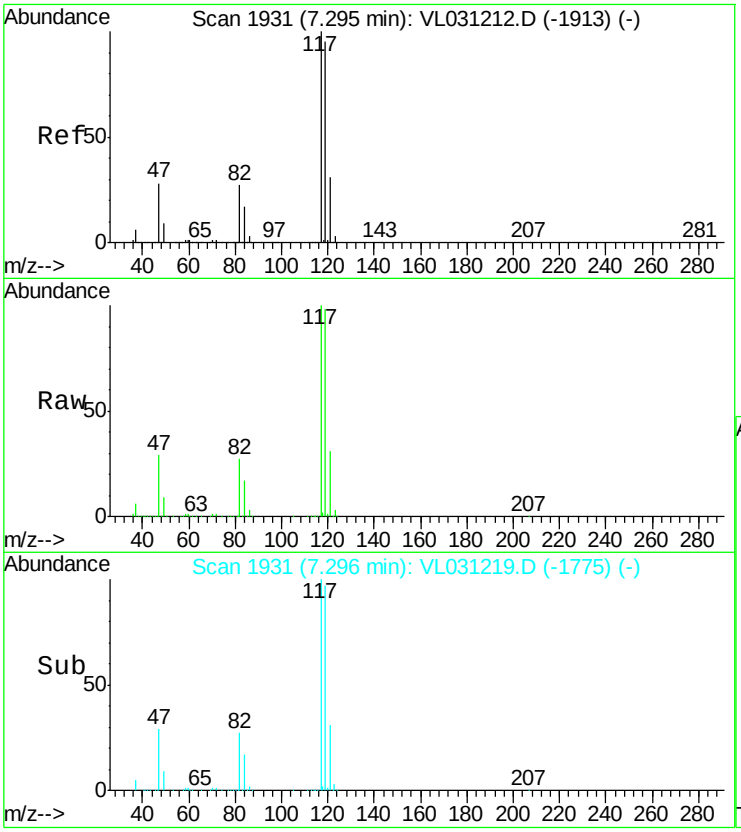


#34
2-Butanone
Concen: 8.39 ppbv
RT: 5.47 min Scan# 1364
Delta R.T. 0.00 min
Lab File: VL031219.D
Acq: 14 Dec 2017 3:31

Tgt Ion: 43 Resp: 2375626

Ion	Ratio	Lower	Upper
43	100		
72	22.7	18.1	27.1



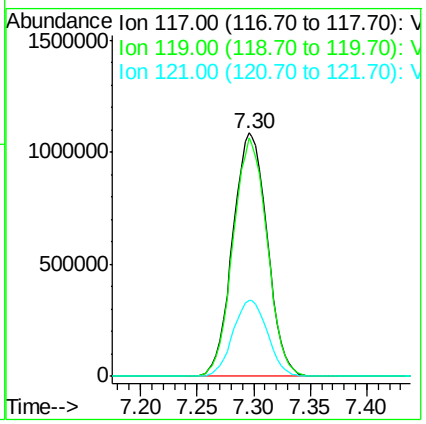


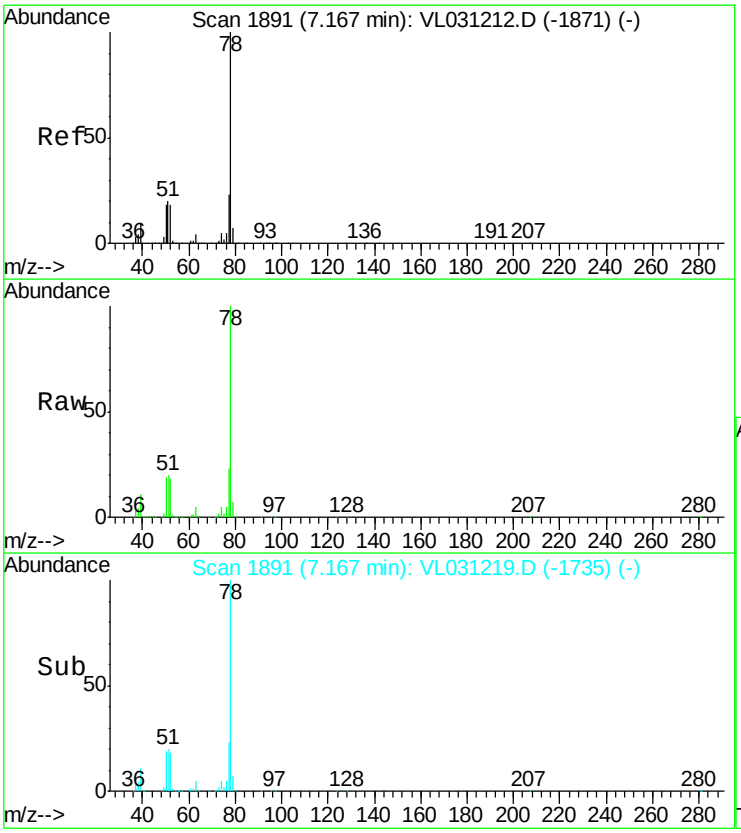
#35
Carbon Tetrachloride
Concen: 8.03 ppbv
RT: 7.30 min Scan# 1931
Delta R.T. 0.00 min
Lab File: VL031219.D
Acq: 14 Dec 2017 3:31

Instrument :
MSVOA_L
ClientSampleId :
BFB

Tgt Ion:117 Resp: 2304116

Ion	Ratio	Lower	Upper
117	100		
119	97.9	75.9	113.9
121	31.4	24.6	37.0

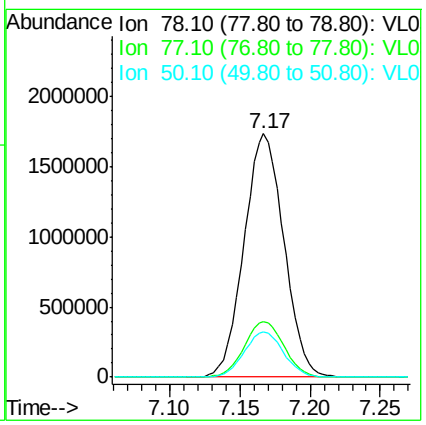


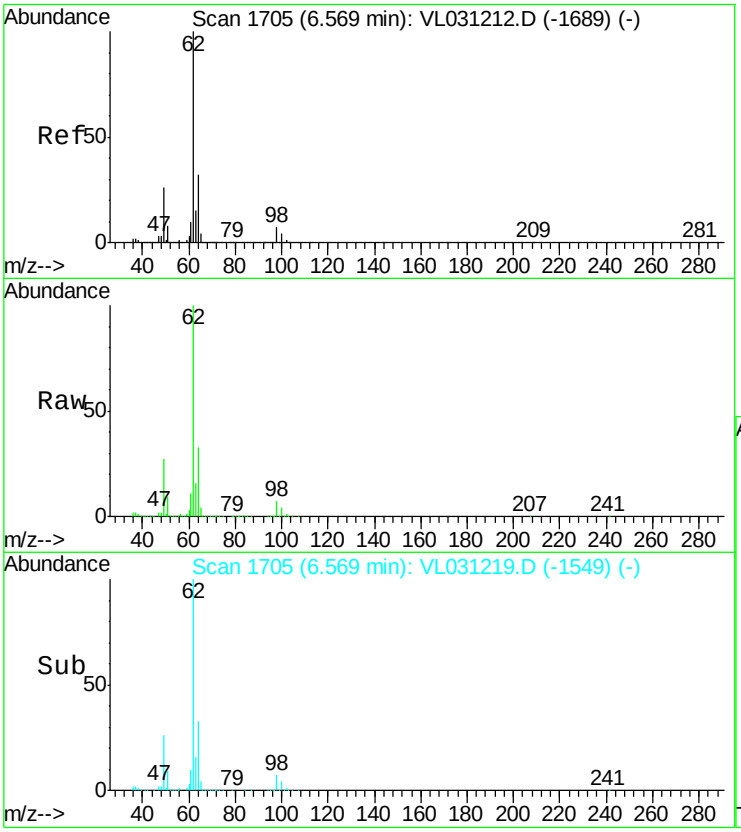


#36
Benzene
Concen: 8.07 ppbv
RT: 7.17 min Scan# 1891
Delta R.T. 0.00 min
Lab File: VL031219.D
Acq: 14 Dec 2017 3:31

Tgt Ion: 78 Resp: 3428822

Ion	Ratio	Lower	Upper
78	100		
77	22.7	18.1	27.1
50	18.8	14.6	21.8



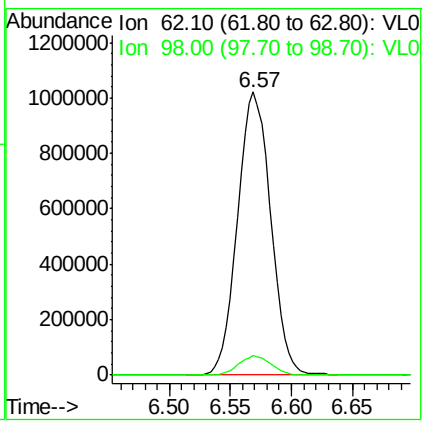


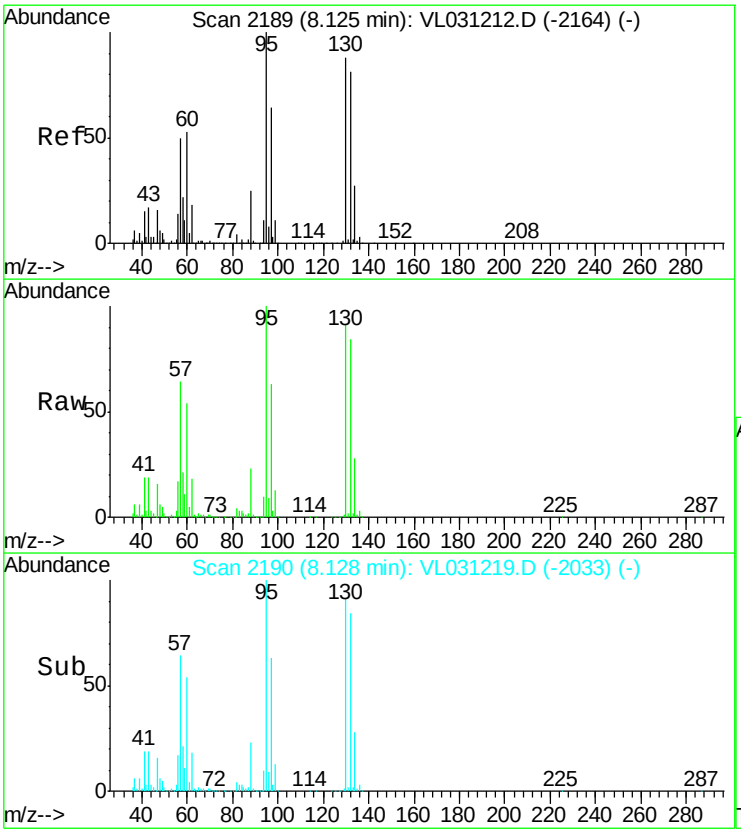
#37
1,2-Dichloroethane
Concen: 8.17 ppbv
RT: 6.57 min Scan# 1705
Delta R.T. 0.00 min
Lab File: VL031219.D
Acq: 14 Dec 2017 3:31

Instrument :
MSVOA_L
ClientSampleId :
BFB

Tgt Ion: 62 Resp: 1913688

Ion	Ratio	Lower	Upper
62	100		
98	6.8	5.4	8.2

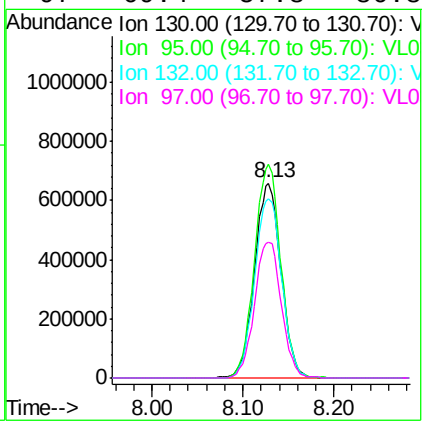


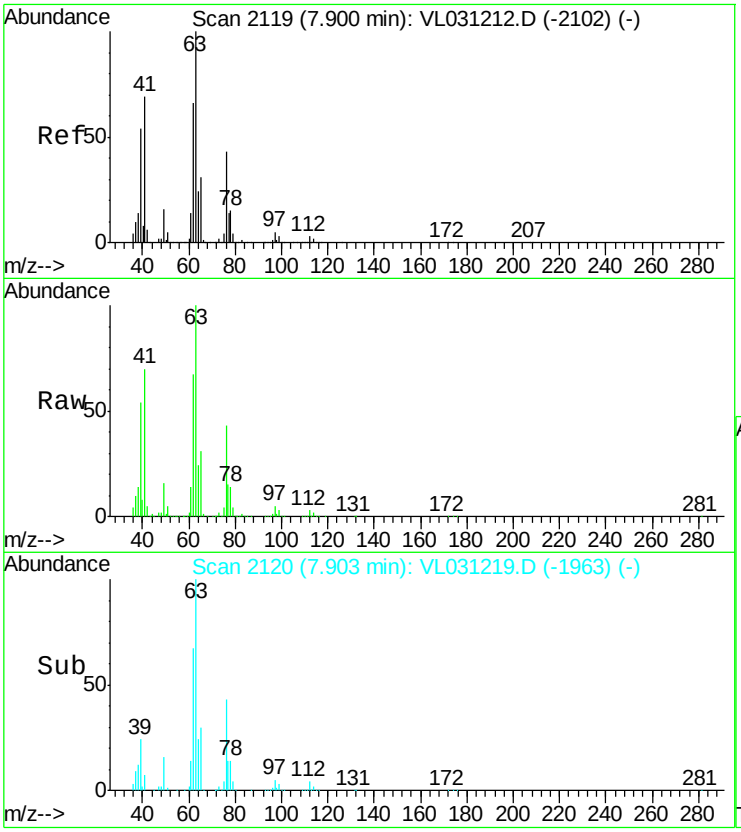


#38
Trichloroethene
Concen: 8.01 ppbv
RT: 8.13 min Scan# 2190
Delta R.T. 0.00 min
Lab File: VL031219.D
Acq: 14 Dec 2017 3:31

Tgt Ion:130 Resp: 1326277

Ion	Ratio	Lower	Upper
130	100		
95	109.4	90.6	135.8
132	92.0	73.5	110.3
97	69.4	57.8	86.8



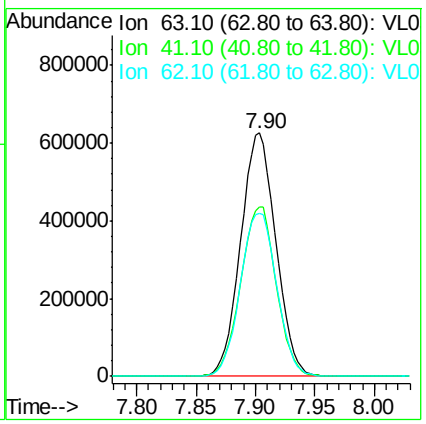


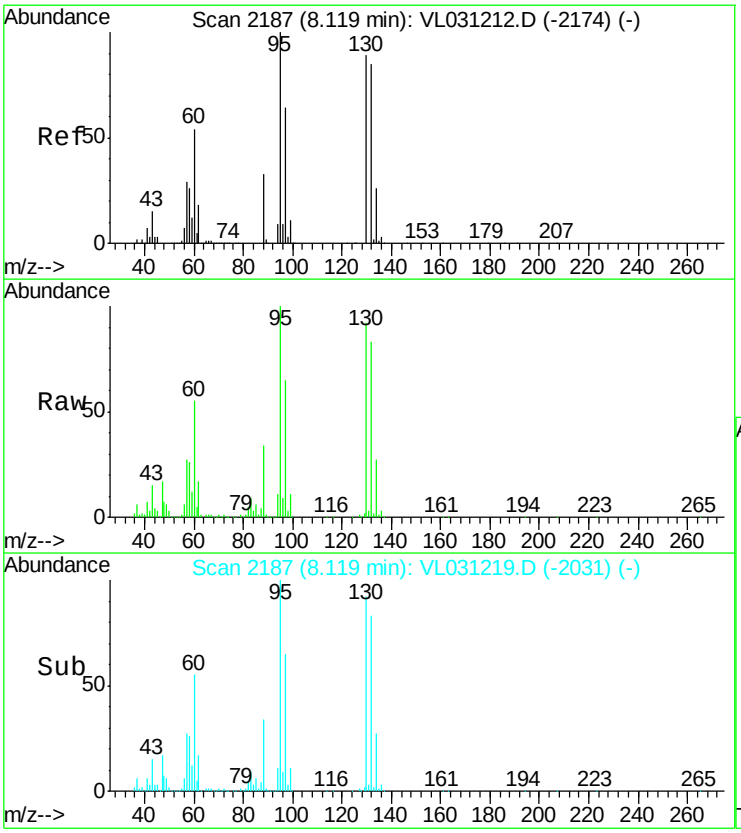
#39
1,2-Dichloropropane
Concen: 8.56 ppbv
RT: 7.90 min Scan# 2120
Delta R.T. 0.00 min
Lab File: VL031219.D
Acq: 14 Dec 2017 3:31

Instrument :
MSVOA_L
ClientSampleId :
BFB

Tgt Ion: 63 Resp: 1285439

Ion	Ratio	Lower	Upper
63	100		
41	69.7	55.2	82.8
62	67.0	53.0	79.4

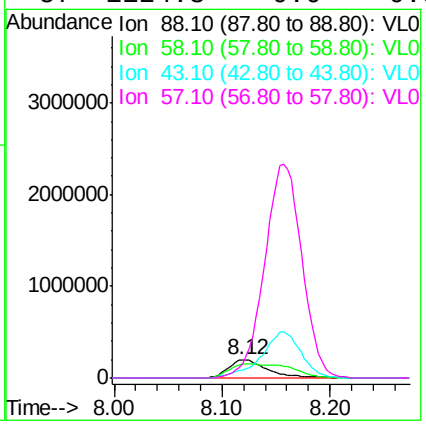


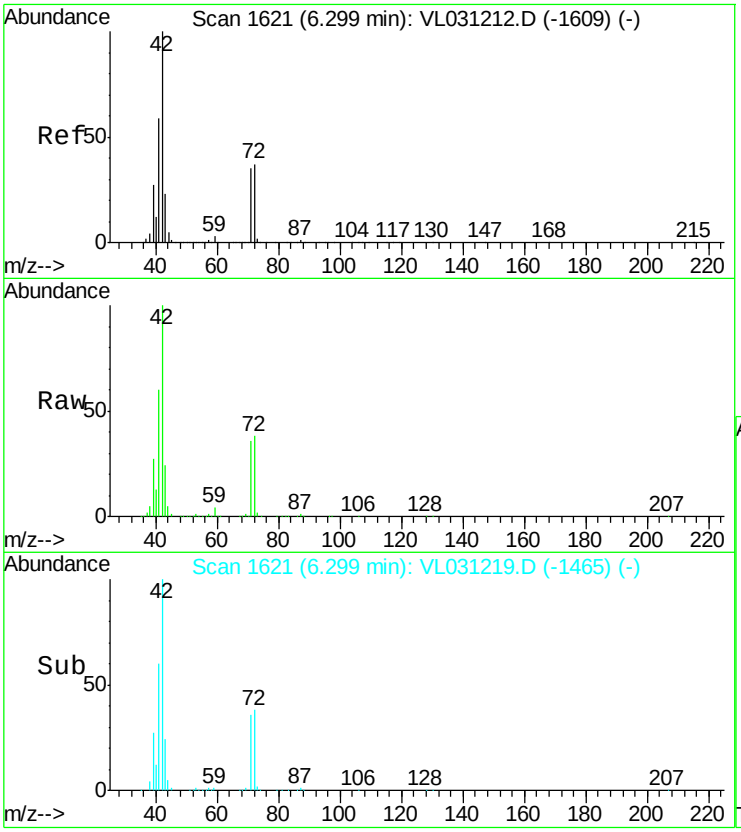


#40
1,4-Dioxane
Concen: 9.22 ppbv
RT: 8.12 min Scan# 2187
Delta R.T. 0.00 min
Lab File: VL031219.D
Acq: 14 Dec 2017 3:31

Tgt Ion: 88 Resp: 499886

Ion	Ratio	Lower	Upper
88	100		
58	125.6	104.3	156.5
43	255.7	0.0	0.0#
57	1124.3	0.0	0.0#



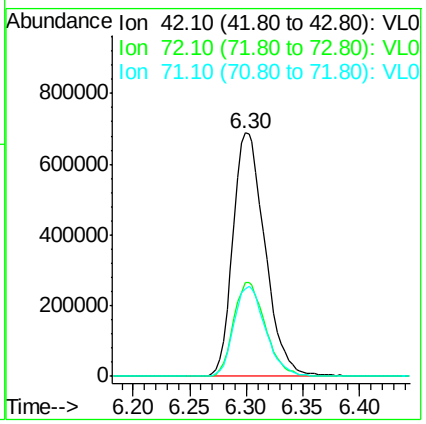


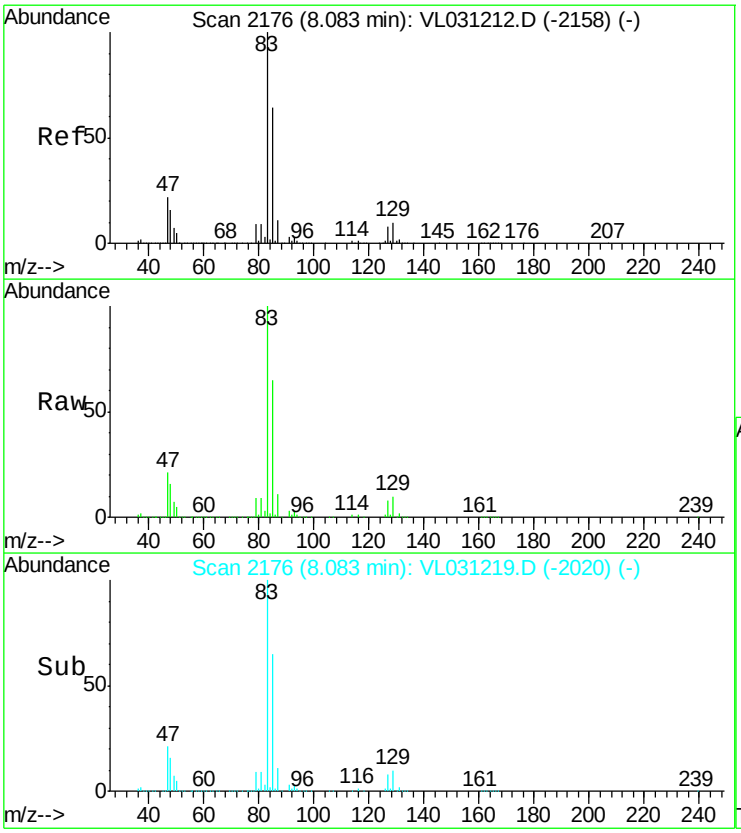
#41
Tetrahydrofuran
Concen: 8.52 ppbv
RT: 6.30 min Scan# 1621
Delta R.T. 0.00 min
Lab File: VL031219.D
Acq: 14 Dec 2017 3:31

Instrument :
MSVOA_L
ClientSampleId :
BFB

Tgt Ion: 42 Resp: 1355502

Ion	Ratio	Lower	Upper
42	100		
72	38.6	30.2	45.4
71	36.8	29.0	43.6

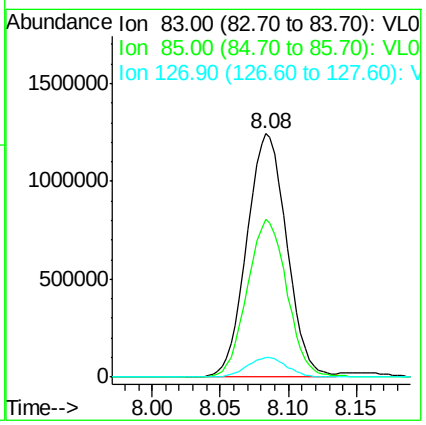


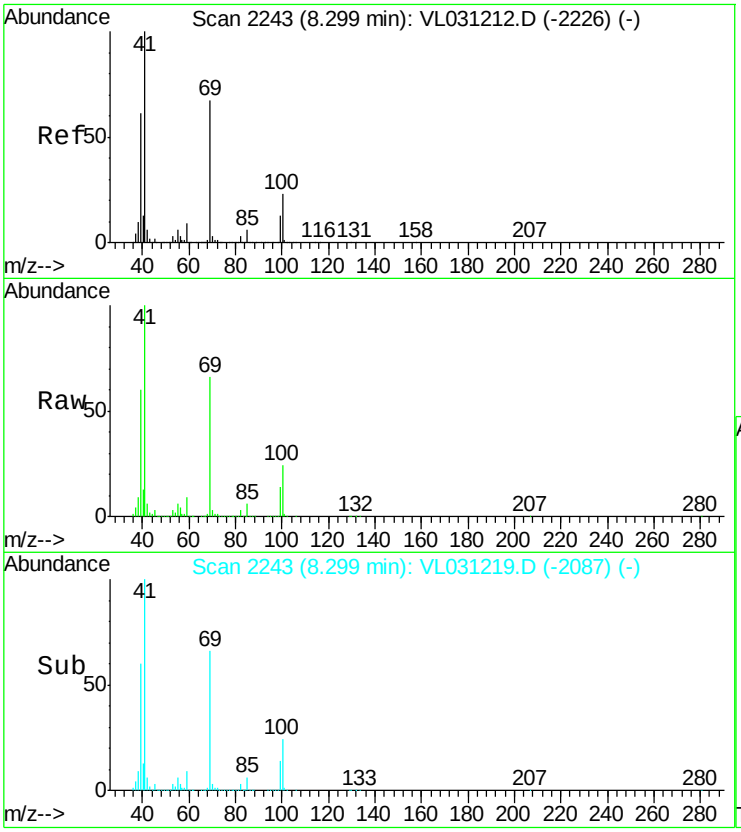


#42
Bromodichloromethane
Concen: 9.17 ppbv
RT: 8.08 min Scan# 2176
Delta R.T. 0.00 min
Lab File: VL031219.D
Acq: 14 Dec 2017 3:31

Tgt Ion: 83 Resp: 2531722

Ion	Ratio	Lower	Upper
83	100		
85	64.8	51.5	77.3
127	7.8	6.5	9.7



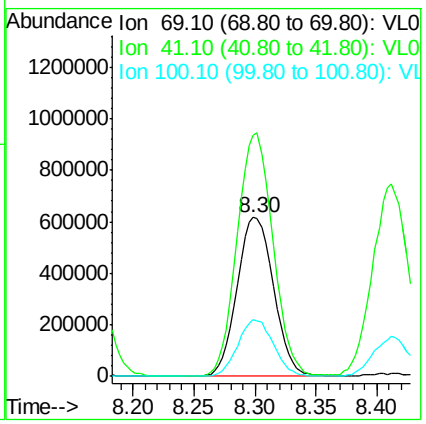


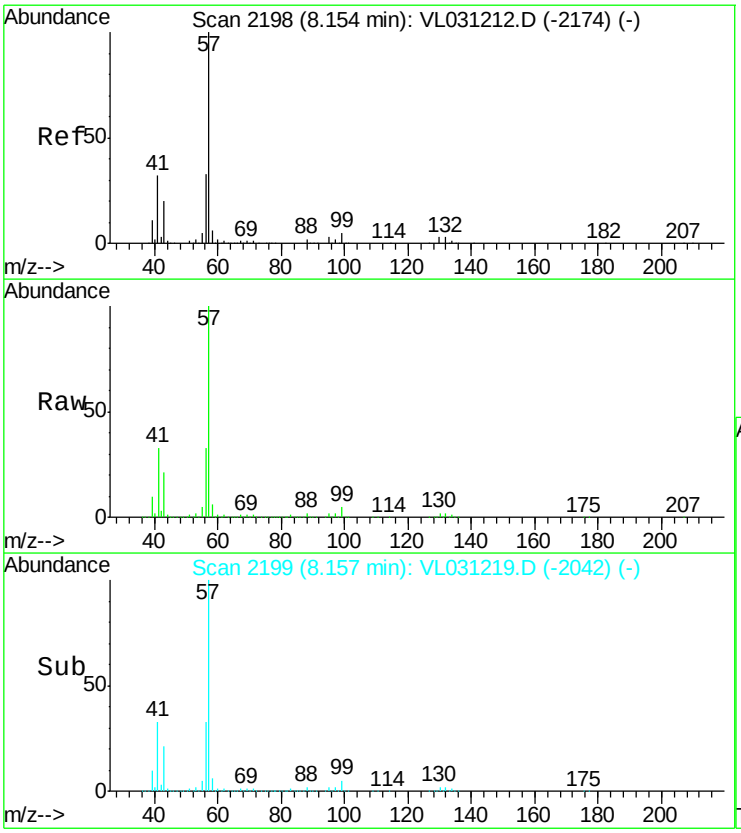
#43
Methyl Methacrylate
Concen: 9.00 ppbv
RT: 8.30 min Scan# 2243
Delta R.T. 0.00 min
Lab File: VL031219.D
Acq: 14 Dec 2017 3:31

Instrument : MSVOA_L
ClientSampleId : BFB

Tgt Ion: 69 Resp: 1280922

Ion	Ratio	Lower	Upper
69	100		
41	149.8	121.1	181.7
100	34.8	27.4	41.2

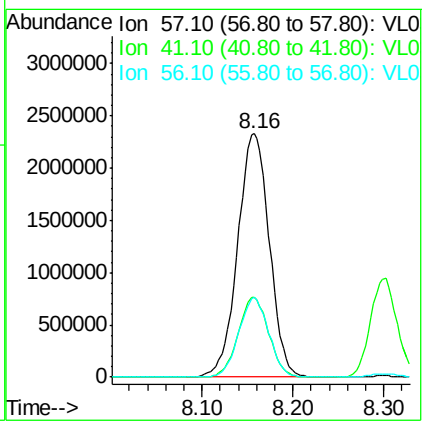


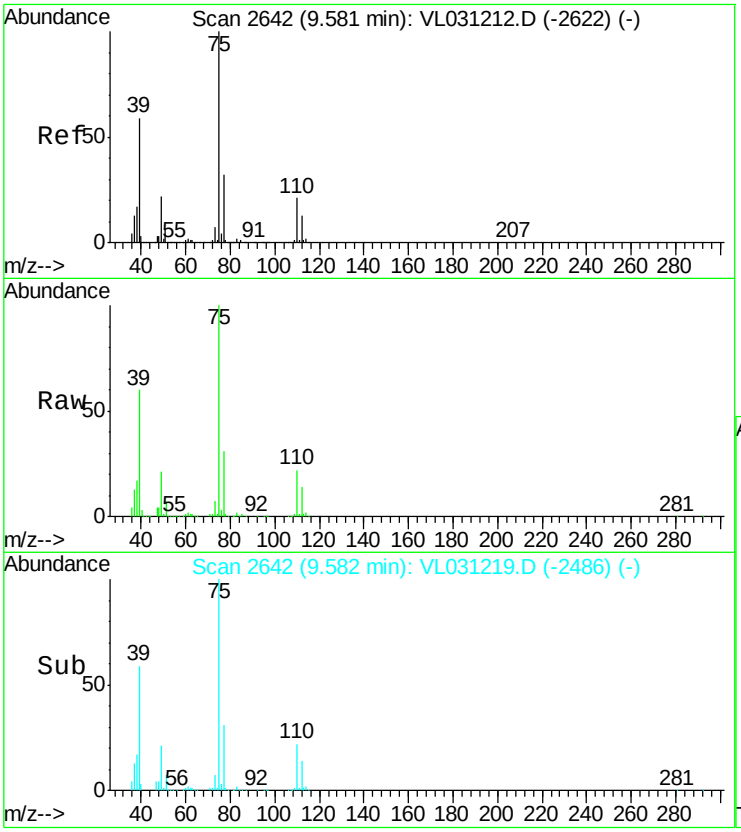


#44
2,2,4-Trimethylpentane
Concen: 8.75 ppbv
RT: 8.16 min Scan# 2199
Delta R.T. 0.00 min
Lab File: VL031219.D
Acq: 14 Dec 2017 3:31

Tgt Ion: 57 Resp: 5612538

Ion	Ratio	Lower	Upper
57	100		
41	31.6	25.5	38.3
56	31.1	25.0	37.6



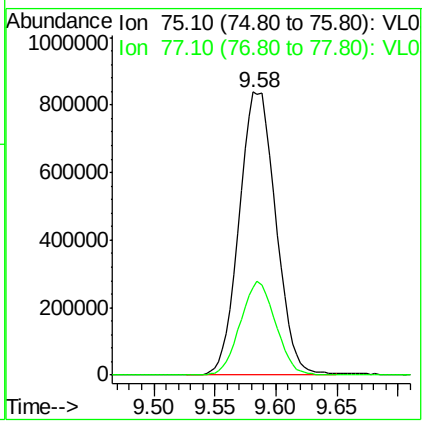


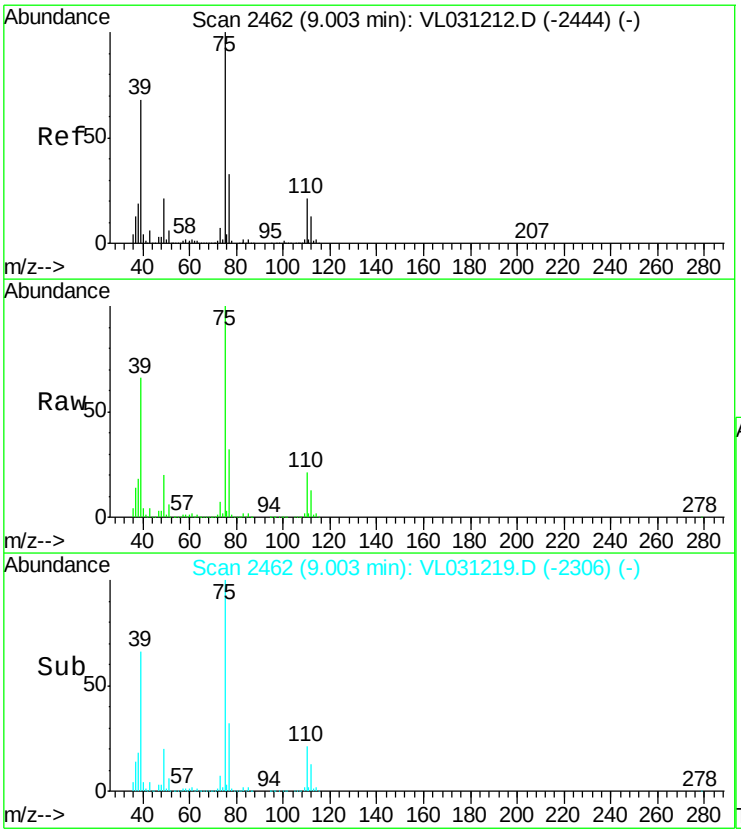
#45
t-1,3-Dichloropropene
Concen: 8.94 ppbv
RT: 9.58 min Scan# 2642
Delta R.T. 0.00 min
Lab File: VL031219.D
Acq: 14 Dec 2017 3:31

Instrument :
MSVOA_L
ClientSampleId :
BFB

Tgt Ion: 75 Resp: 1739079

Ion	Ratio	Lower	Upper
75	100		
77	31.2	25.4	38.2

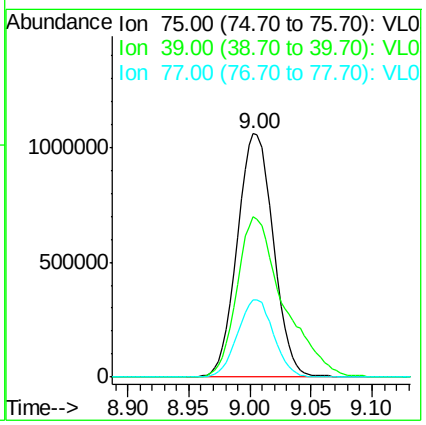


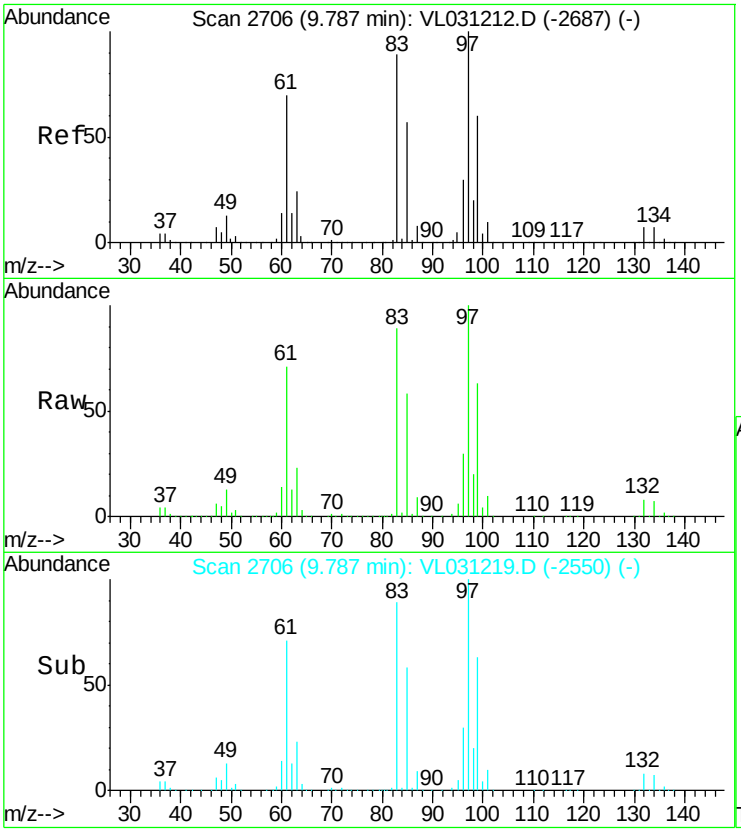


#46
cis-1,3-Dichloropropene
Concen: 8.85 ppbv
RT: 9.00 min Scan# 2462
Delta R.T. 0.00 min
Lab File: VL031219.D
Acq: 14 Dec 2017 3:31

Tgt Ion: 75 Resp: 2165796

Ion	Ratio	Lower	Upper
75	100		
39	66.0	54.2	81.4
77	32.0	26.2	39.4



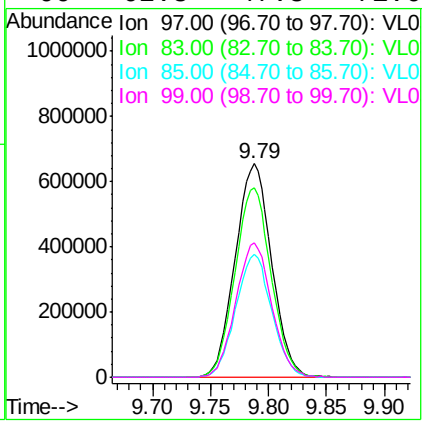


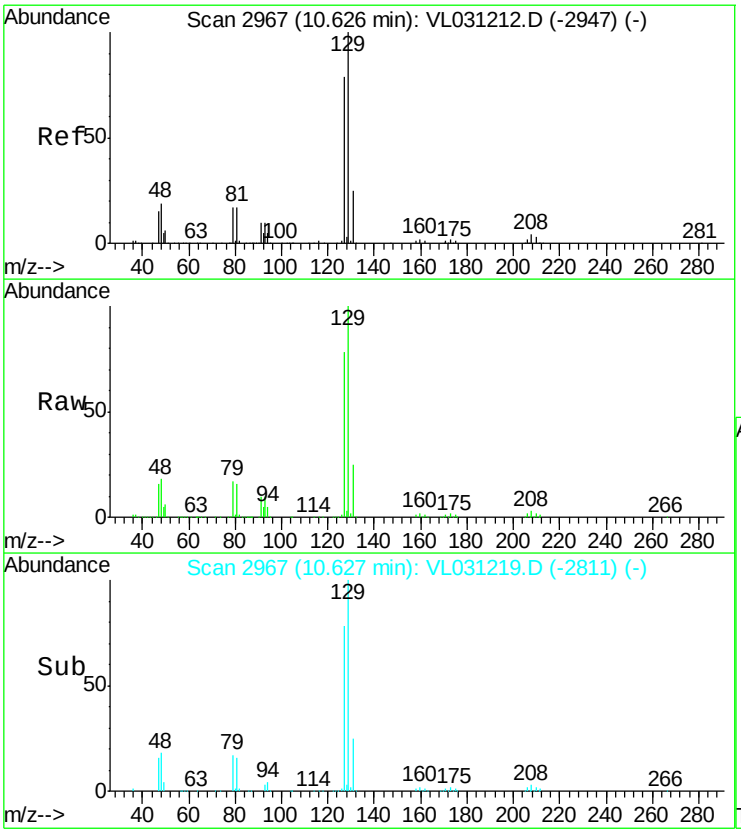
#47
1,1,2-Trichloroethane
Concen: 9.17 ppbv
RT: 9.79 min Scan# 2706
Delta R.T. 0.00 min
Lab File: VL031219.D
Acq: 14 Dec 2017 3:31

Instrument : MSVOA_L
ClientSampleId : BFB

Tgt Ion: 97 Resp: 1429016

Ion	Ratio	Lower	Upper
97	100		
83	88.6	71.0	106.4
85	57.5	45.3	67.9
99	62.8	47.8	71.6

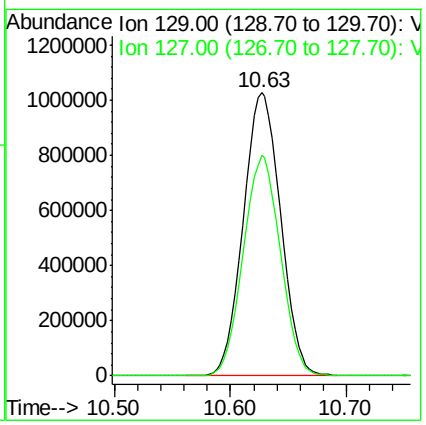


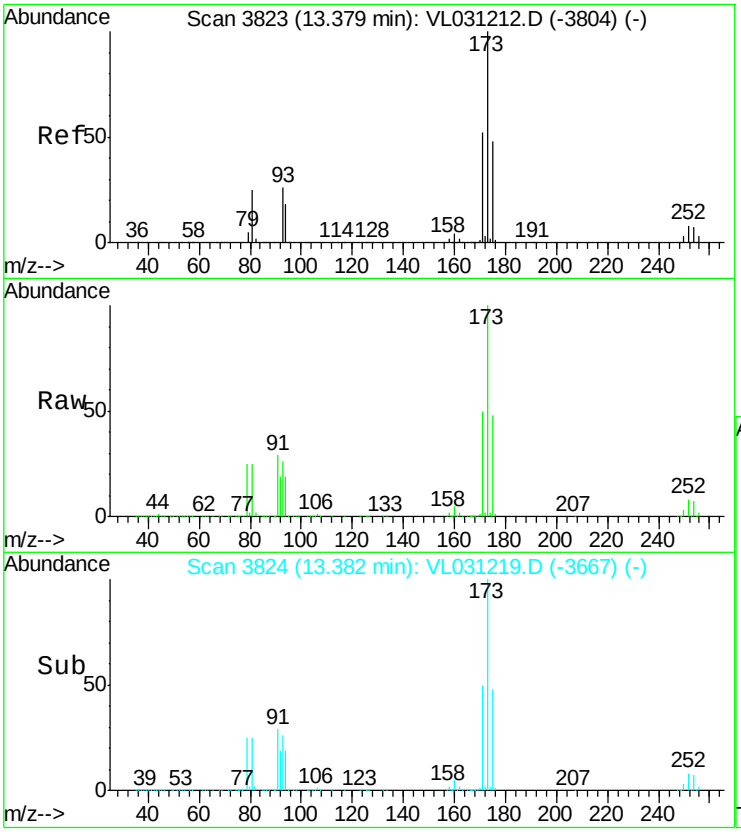


#48
Dibromochloromethane
Concen: 9.46 ppbv
RT: 10.63 min Scan# 2967
Delta R.T. 0.00 min
Lab File: VL031219.D
Acq: 14 Dec 2017 3:31

Tgt Ion:129 Resp: 2302240

Ion	Ratio	Lower	Upper
129	100		
127	77.6	39.1	117.5



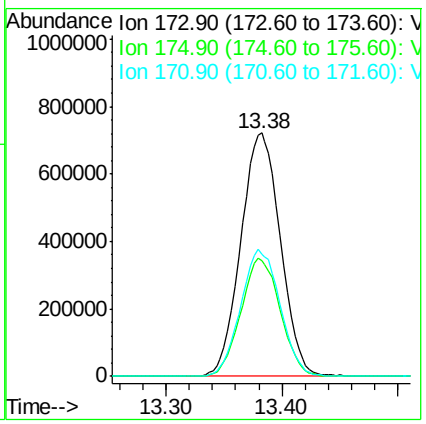


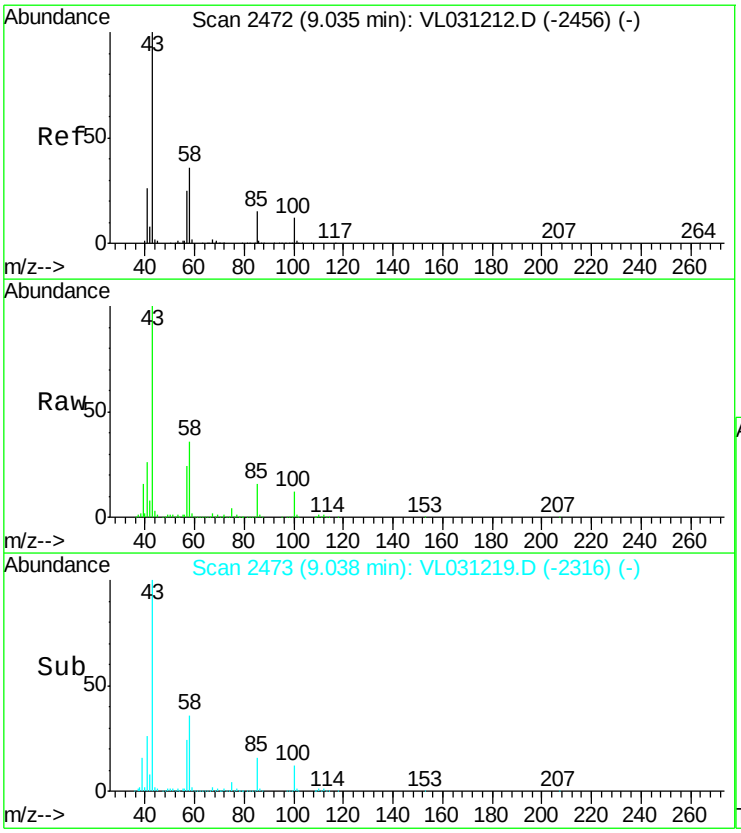
#49
Bromoform
Concen: 9.53 ppbv
RT: 13.38 min Scan# 3824
Delta R.T. 0.00 min
Lab File: VL031219.D
Acq: 14 Dec 2017 3:31

Instrument :
MSVOA_L
ClientSampleId :
BFB

Tgt Ion:173 Resp: 1711246

Ion	Ratio	Lower	Upper
173	100		
175	48.4	39.0	58.4
171	52.1	41.8	62.8

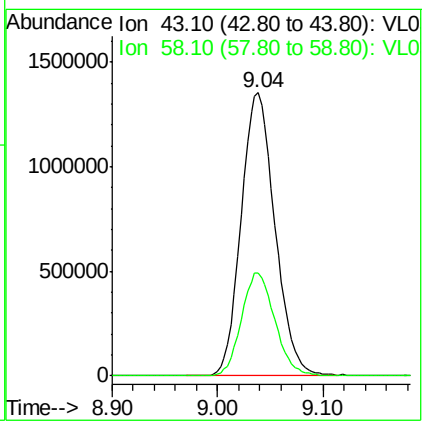


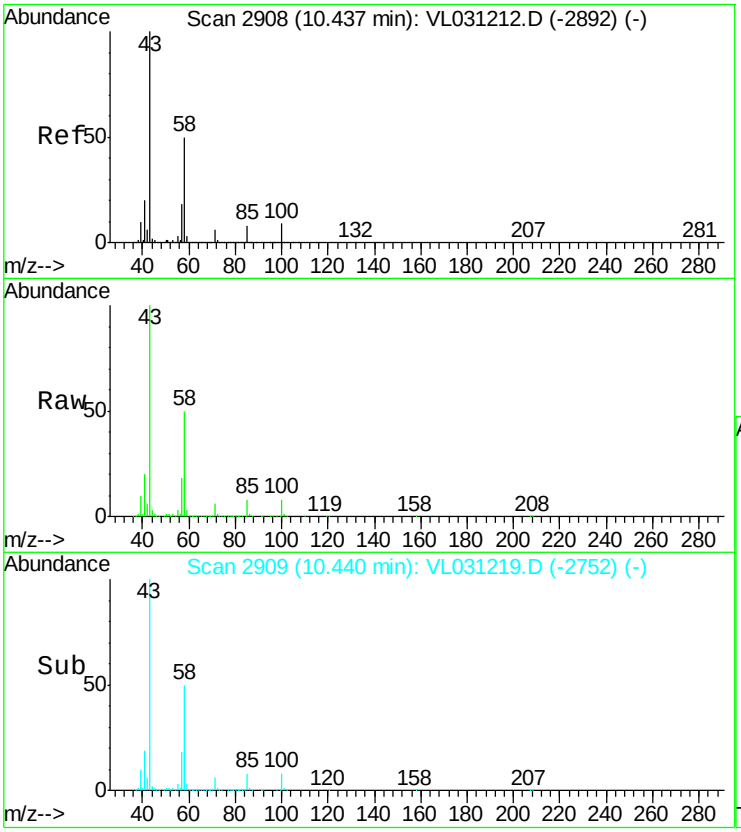


#50
4-Methyl-2-Pentanone
Concen: 8.72 ppbv
RT: 9.04 min Scan# 2473
Delta R.T. 0.00 min
Lab File: VL031219.D
Acq: 14 Dec 2017 3:31

Tgt Ion: 43 Resp: 3019269

Ion	Ratio	Lower	Upper
43	100		
58	36.0	28.8	43.2



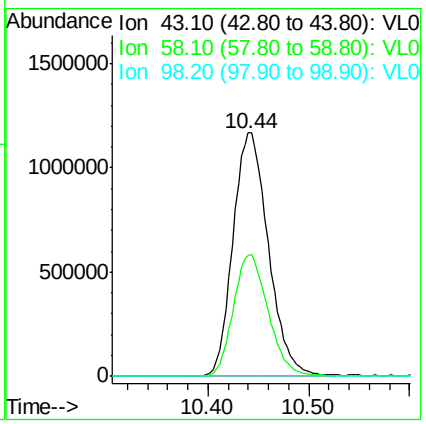


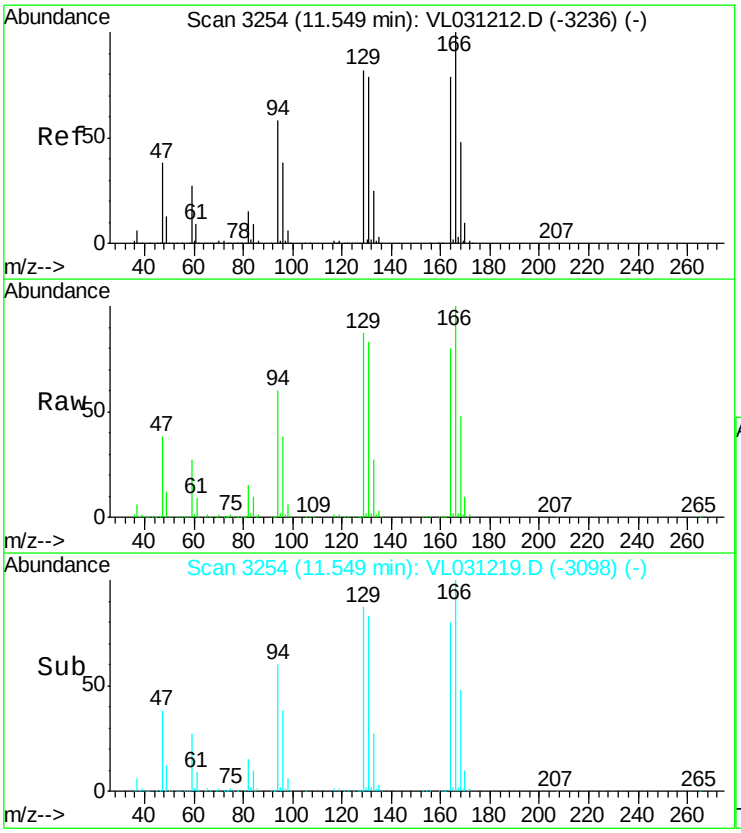
#51
2-Hexanone
Concen: 8.59 ppbv
RT: 10.44 min Scan# 2909
Delta R.T. 0.00 min
Lab File: VL031219.D
Acq: 14 Dec 2017 3:31

Instrument : MSVOA_L
ClientSampleId : BFB

Tgt Ion: 43 Resp: 2839357

Ion	Ratio	Lower	Upper
43	100		
58	49.5	39.8	59.6
98	0.1	0.0	0.0#

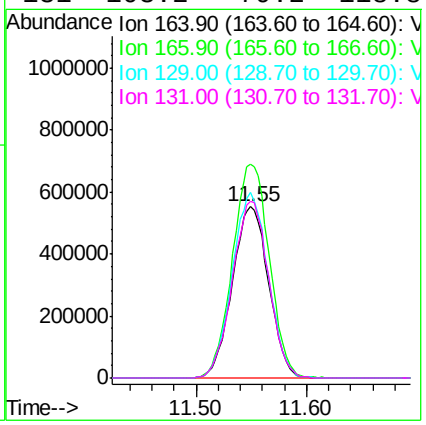


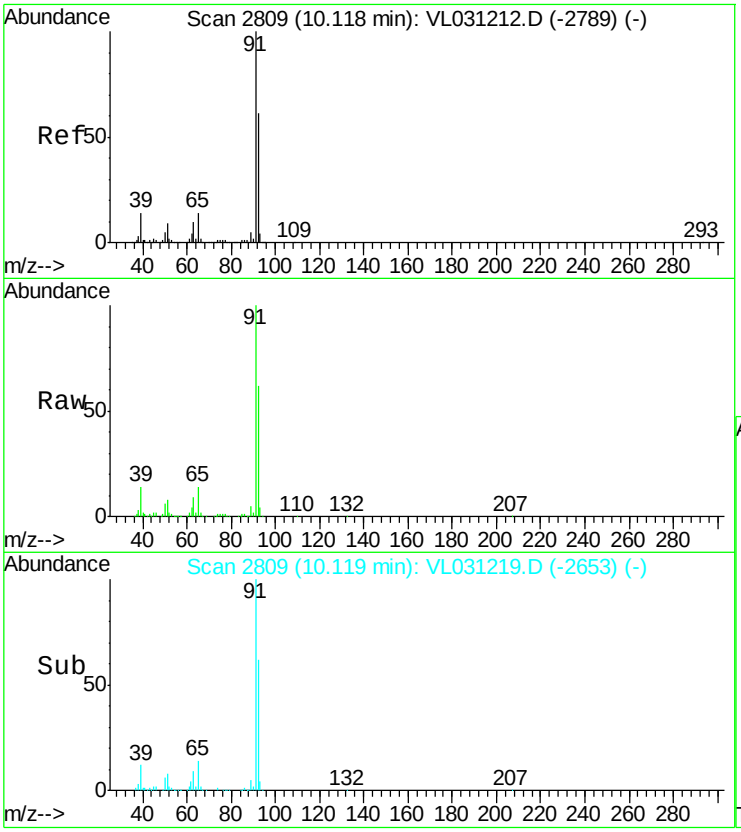


#52
Tetrachloroethene
Concen: 8.05 ppbv
RT: 11.55 min Scan# 3254
Delta R.T. 0.00 min
Lab File: VL031219.D
Acq: 14 Dec 2017 3:31

Tgt Ion:164 Resp: 1261373

Ion	Ratio	Lower	Upper
164	100		
166	124.7	100.6	151.0
129	108.0	82.9	124.3
131	103.2	79.2	118.8



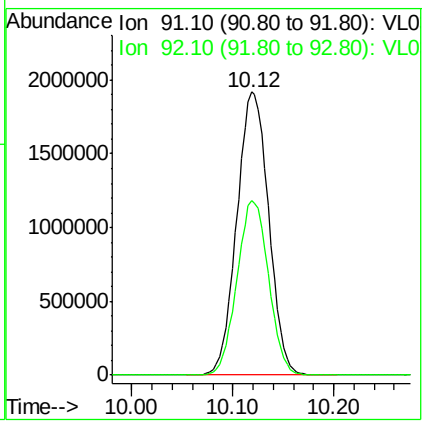


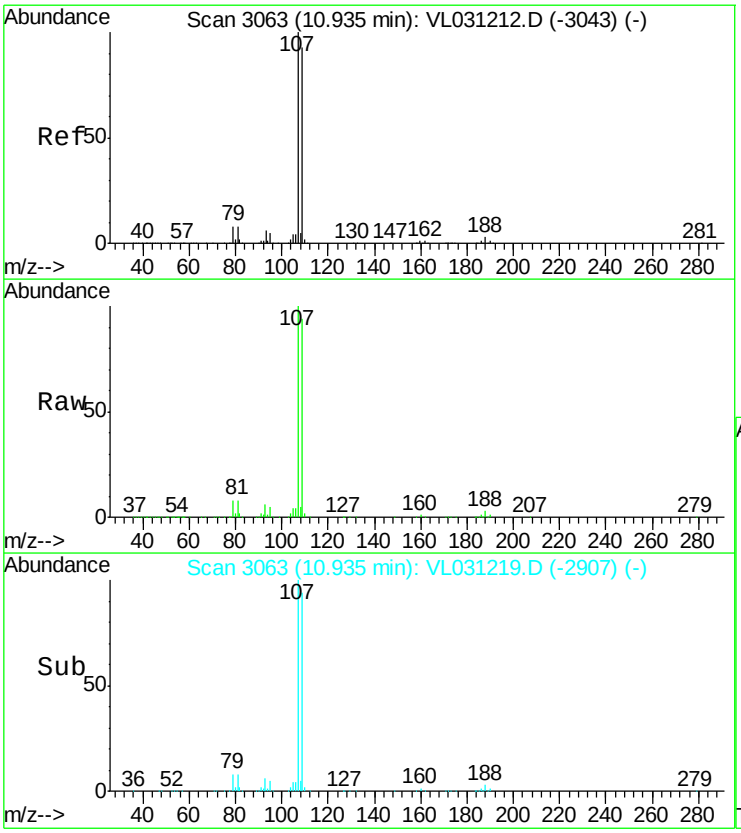
#53
Toluene
Concen: 9.09 ppbv
RT: 10.12 min Scan# 2809
Delta R.T. 0.00 min
Lab File: VL031219.D
Acq: 14 Dec 2017 3:31

Instrument :
MSVOA_L
ClientSampleId :
BFB

Tgt Ion: 91 Resp: 4189756

Ion	Ratio	Lower	Upper
91	100		
92	61.2	49.1	73.7

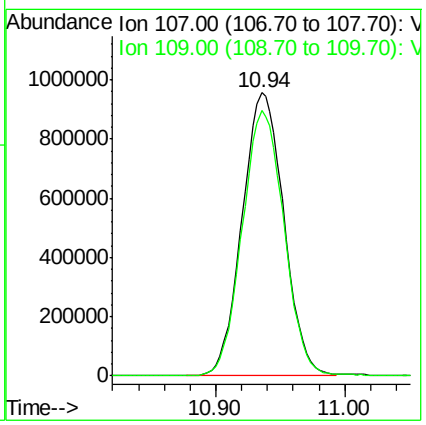


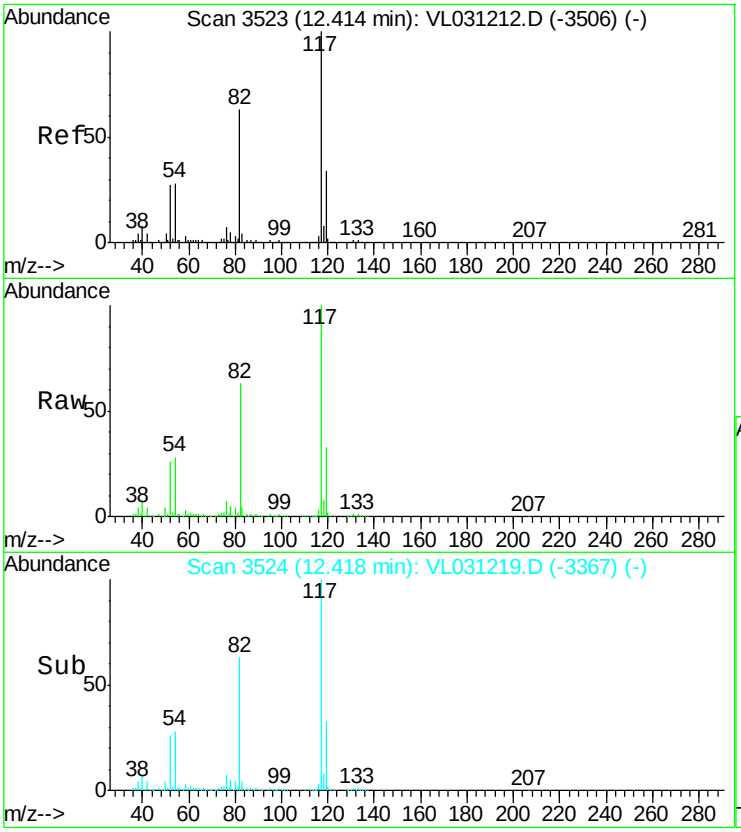


#54
1,2-Dibromoethane
Concen: 9.11 ppbv
RT: 10.94 min Scan# 3063
Delta R.T. 0.00 min
Lab File: VL031219.D
Acq: 14 Dec 2017 3:31

Tgt Ion:107 Resp: 2150042

Ion	Ratio	Lower	Upper
107	100		
109	93.8	74.7	112.1



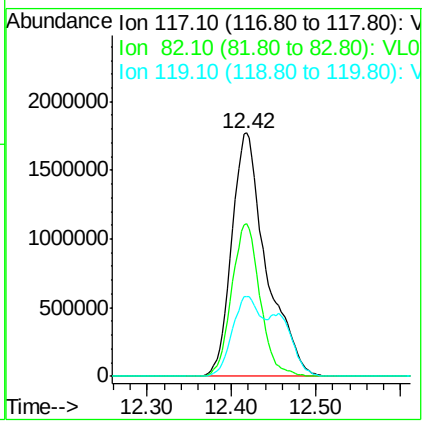


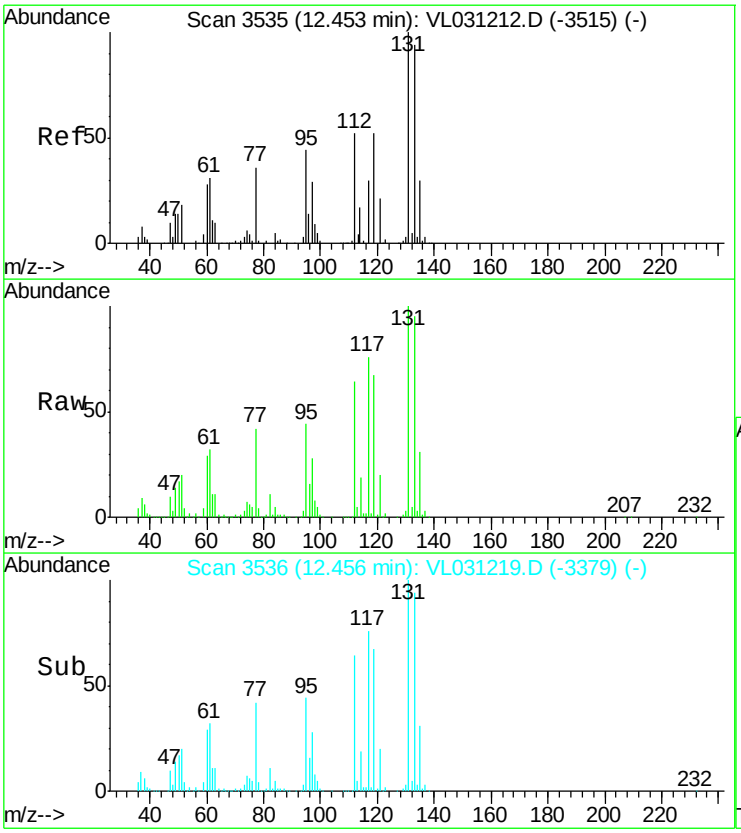
#55
Chlorobenzene-d5
Concen: 10.00 ppbv
RT: 12.42 min Scan# 3524
Delta R.T. 0.00 min
Lab File: VL031219.D
Acq: 14 Dec 2017 3:31

Instrument :
MSVOA_L
ClientSampleId :
BFB

Tgt Ion:117 Resp: 5041659

Ion	Ratio	Lower	Upper
117	100		
82	52.1	48.1	72.1
119	45.5	23.1	34.7#

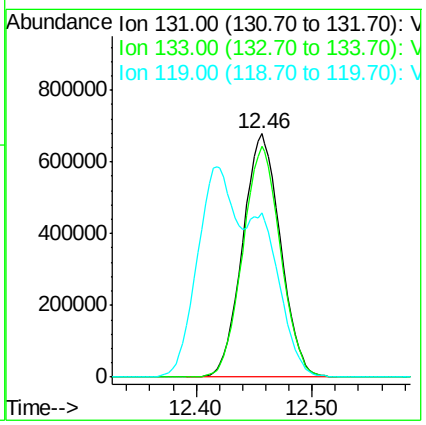


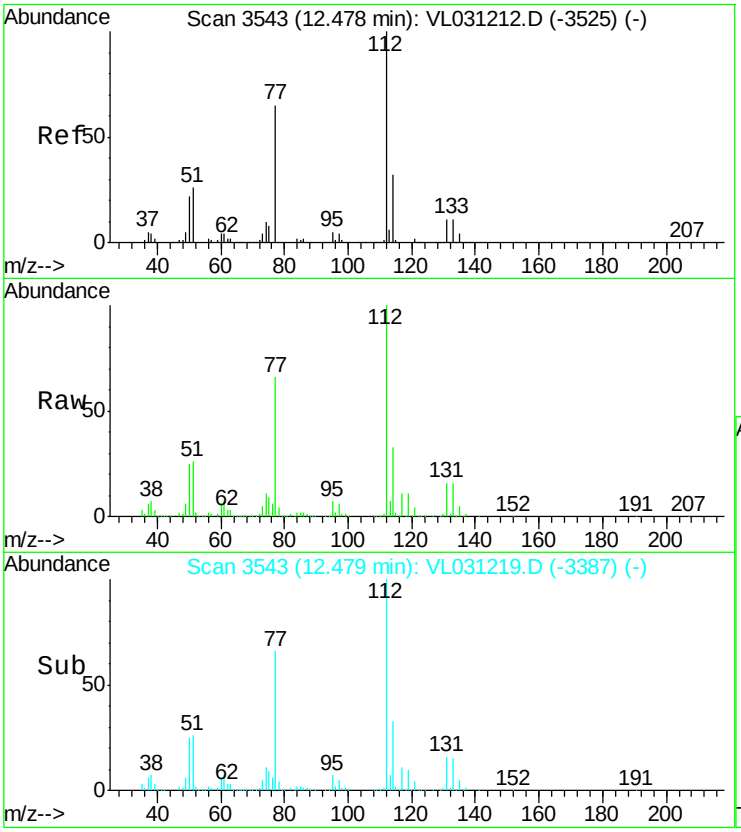


#56
1,1,1,2-Tetrachloroethane
Concen: 6.85 ppbv
RT: 12.46 min Scan# 3536
Delta R.T. 0.00 min
Lab File: VL031219.D
Acq: 14 Dec 2017 3:31

Tgt Ion:131 Resp: 1541506

Ion	Ratio	Lower	Upper
131	100		
133	94.8	76.1	114.1
119	148.8	108.5	162.7



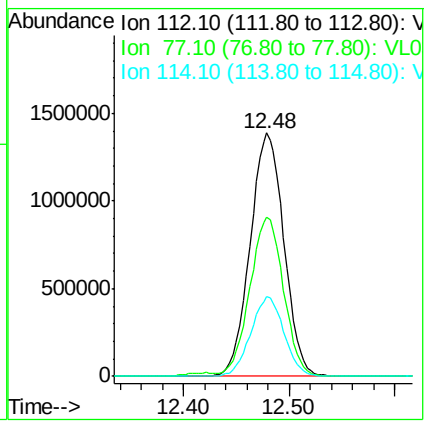


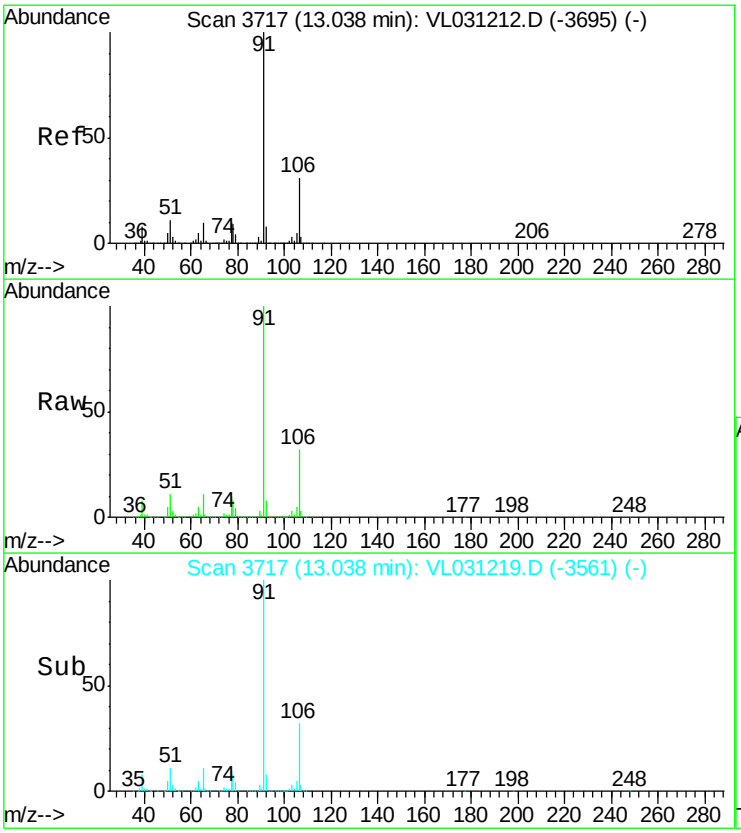
#57
Chlorobenzene
Concen: 6.59 ppbv
RT: 12.48 min Scan# 3543
Delta R.T. 0.00 min
Lab File: VL031219.D
Acq: 14 Dec 2017 3:31

Instrument :
MSVOA_L
ClientSampleId :
BFB

Tgt Ion:112 Resp: 3097092

Ion	Ratio	Lower	Upper
112	100		
77	65.3	52.9	79.3
114	32.6	29.1	35.5

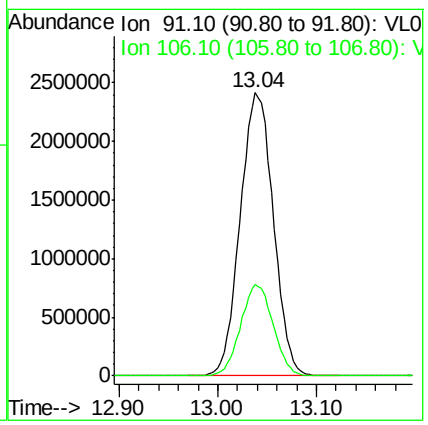


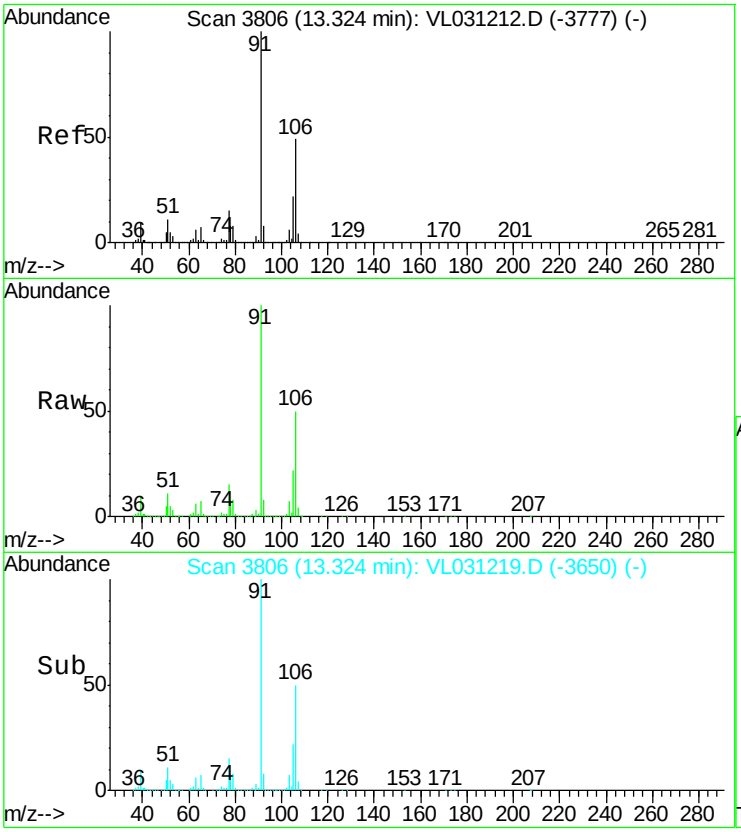


#58
Ethyl Benzene
Concen: 6.73 ppbv
RT: 13.04 min Scan# 3717
Delta R.T. 0.00 min
Lab File: VL031219.D
Acq: 14 Dec 2017 3:31

Tgt Ion: 91 Resp: 5605398

Ion	Ratio	Lower	Upper
91	100		
106	32.5	25.1	37.7



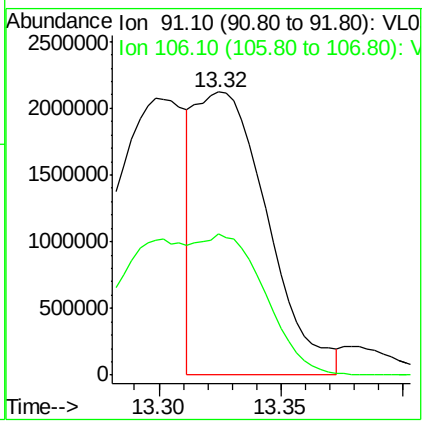


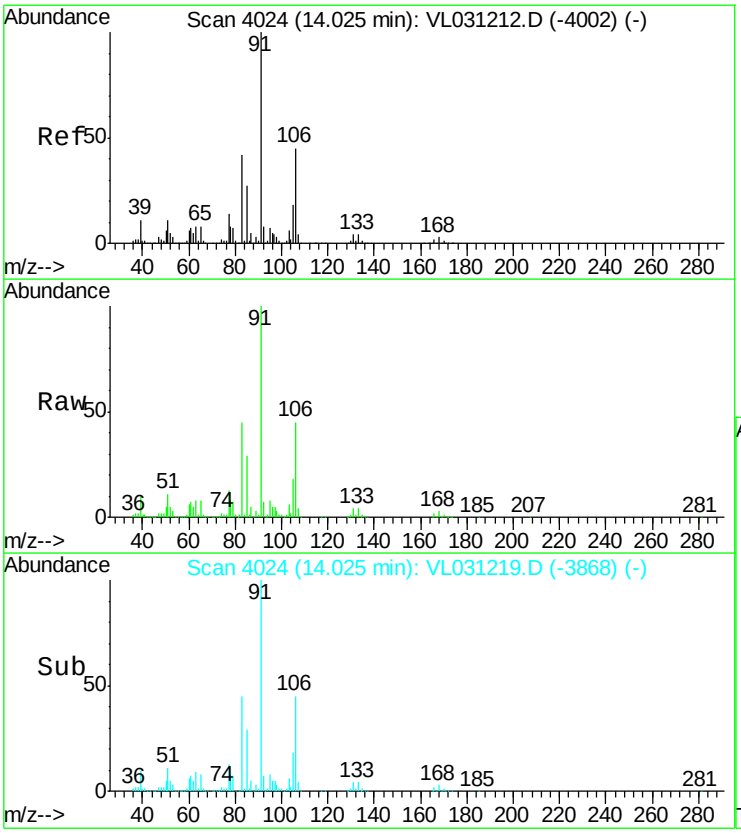
#59
m/p-Xylene
Concen: 6.55 ppbv
RT: 13.32 min Scan# 3806
Delta R.T. 0.00 min
Lab File: VL031219.D
Acq: 14 Dec 2017 3:31

Instrument : MSVOA_L
ClientSampleId : BFB

Tgt Ion: 91 Resp: 4364567

Ion	Ratio	Lower	Upper
91	100		
106	96.8	38.5	57.7#

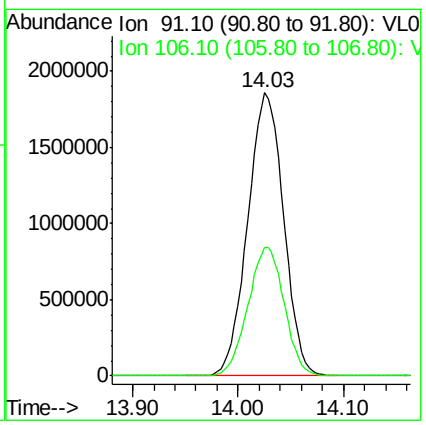


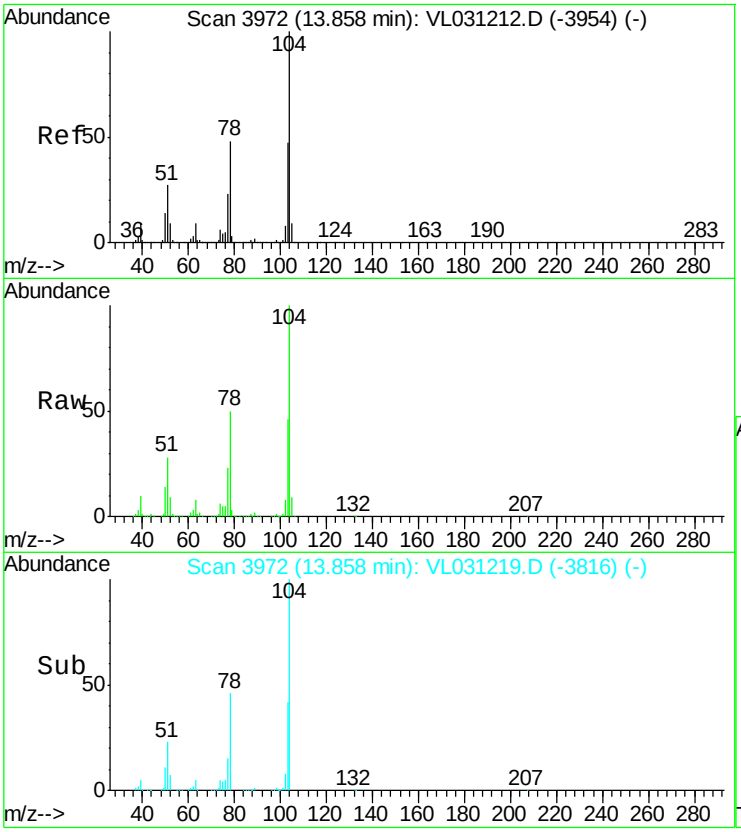


#60
o-Xylene
Concen: 6.56 ppbv
RT: 14.03 min Scan# 4024
Delta R.T. 0.00 min
Lab File: VL031219.D
Acq: 14 Dec 2017 3:31

Tgt Ion: 91 Resp: 4405838

Ion	Ratio	Lower	Upper
91	100		
106	45.9	22.7	68.1



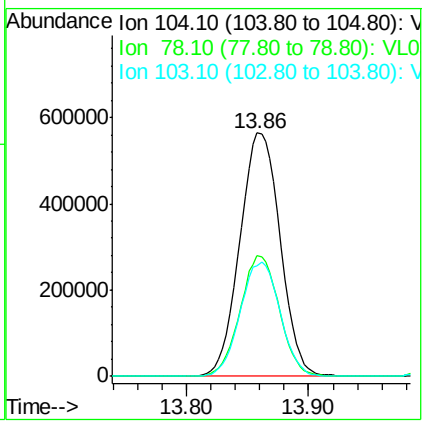


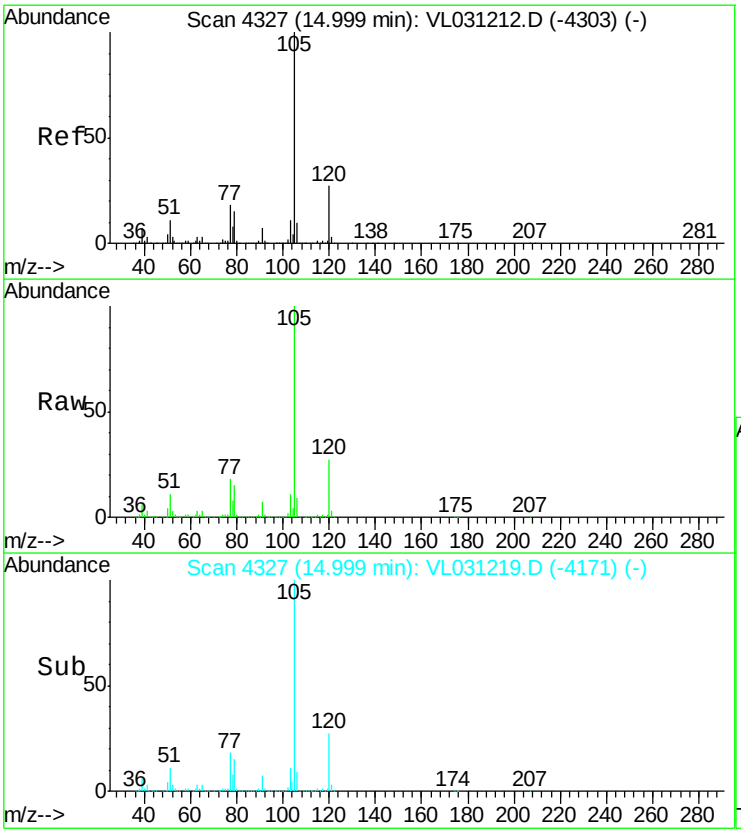
#61
Styrene
Concen: 6.69 ppbv
RT: 13.86 min Scan# 3972
Delta R.T. 0.00 min
Lab File: VL031219.D
Acq: 14 Dec 2017 3:31

Instrument :
MSVOA_L
ClientSampleId :
BFB

Tgt Ion:104 Resp: 1288410

Ion	Ratio	Lower	Upper
104	100		
78	48.2	39.1	58.7
103	46.7	37.3	55.9

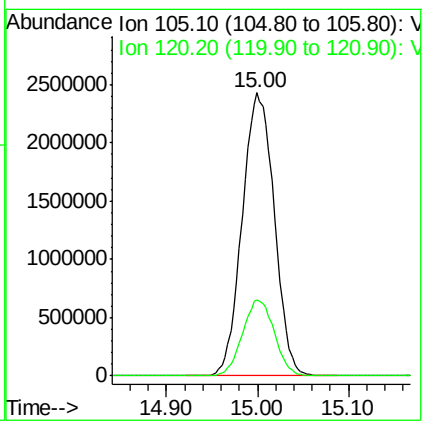


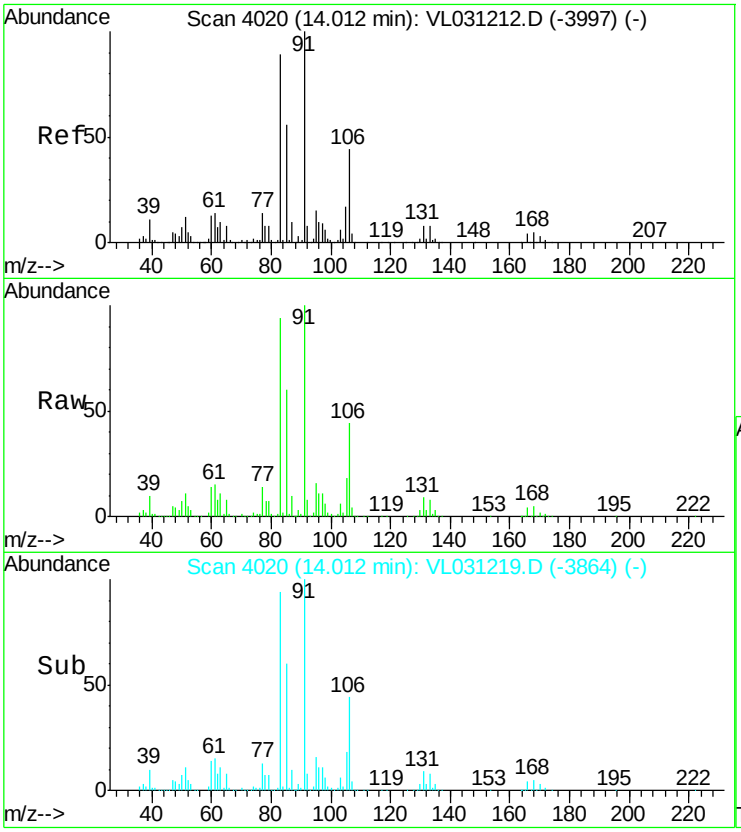


#62
Isopropylbenzene
Concen: 6.75 ppbv
RT: 15.00 min Scan# 4327
Delta R.T. 0.00 min
Lab File: VL031219.D
Acq: 14 Dec 2017 3:31

Tgt Ion:105 Resp: 5941855

Ion	Ratio	Lower	Upper
105	100		
120	26.6	21.0	31.6



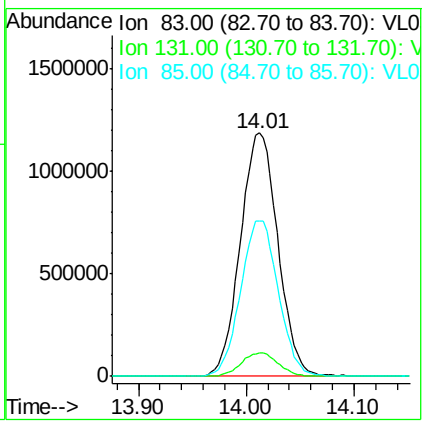


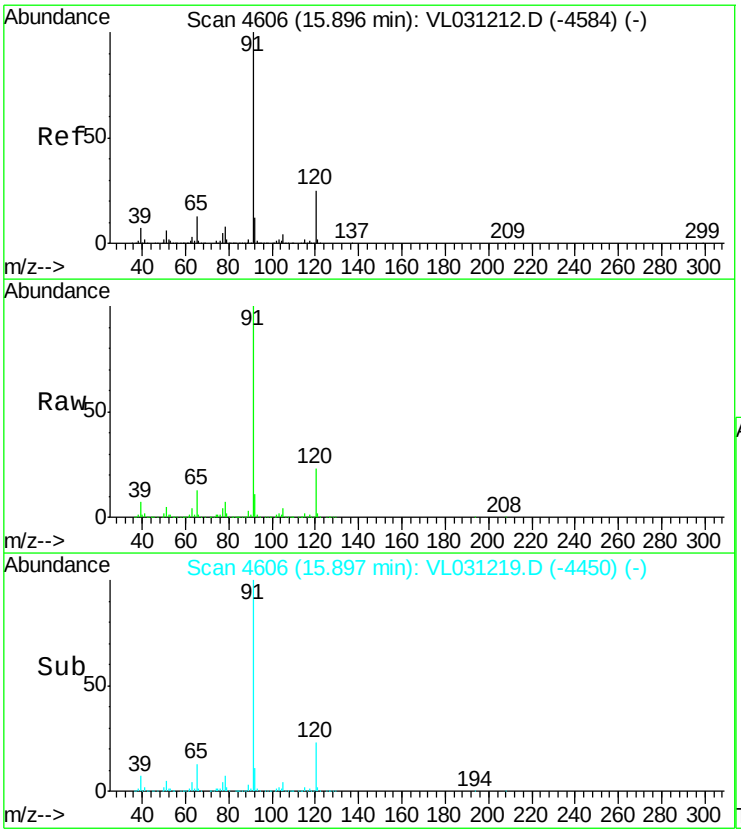
#63
1,1,2,2-Tetrachloroethane
Concen: 6.36 ppbv
RT: 14.01 min Scan# 4020
Delta R.T. 0.00 min
Lab File: VL031219.D
Acq: 14 Dec 2017 3:31

Instrument : MSVOA_L
ClientSampleId : BFB

Tgt Ion: 83 Resp: 2863815

Ion	Ratio	Lower	Upper
83	100		
131	9.7	4.8	14.3
85	64.4	32.1	96.5

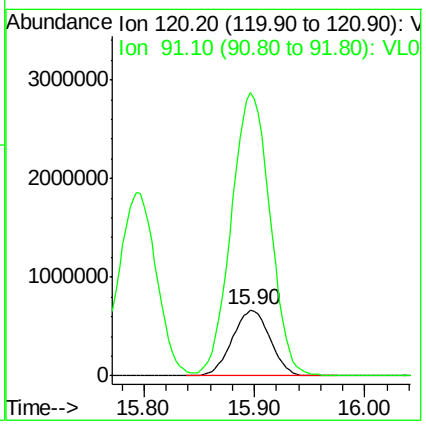


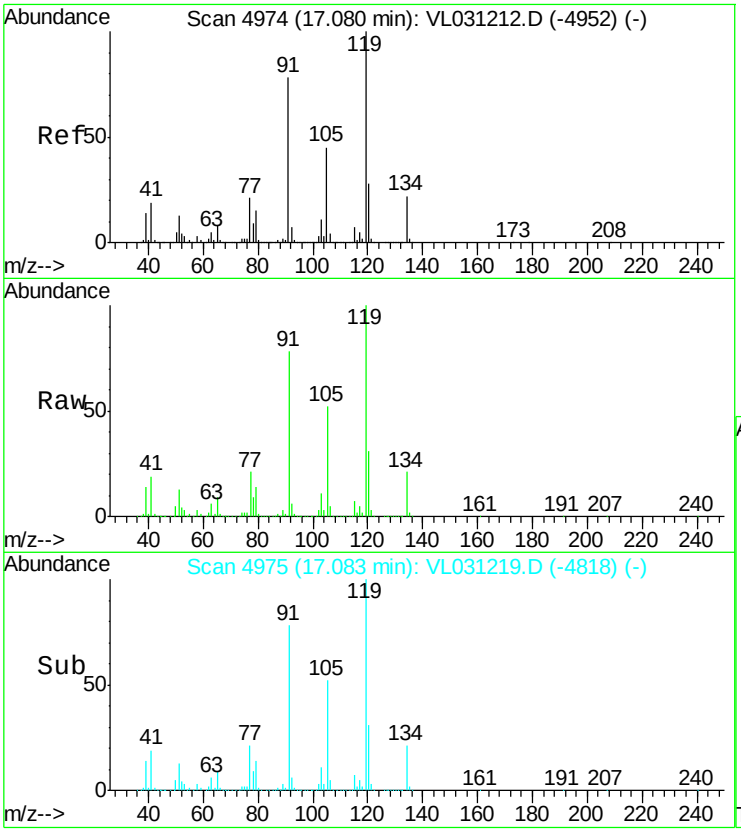


#64
n-propylbenzene
Concen: 6.82 ppbv
RT: 15.90 min Scan# 4606
Delta R.T. 0.00 min
Lab File: VL031219.D
Acq: 14 Dec 2017 3:31

Tgt Ion:120 Resp: 1594260

Ion	Ratio	Lower	Upper
120	100		
91	439.5	352.1	528.1



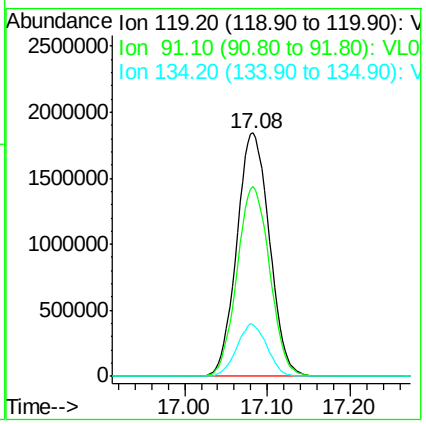


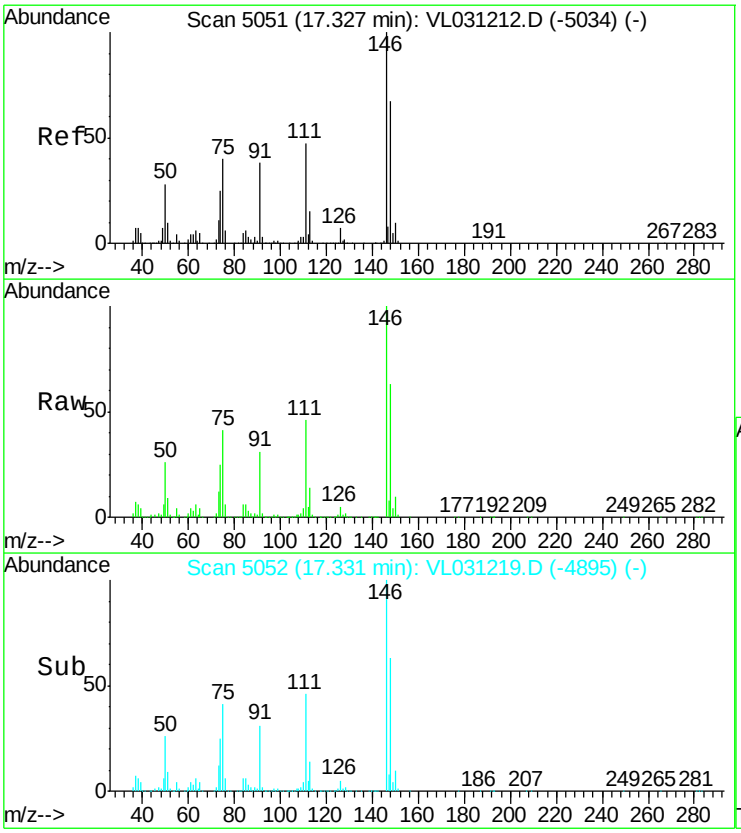
#65
tert-Butylbenzene
Concen: 6.48 ppbv
RT: 17.08 min Scan# 4975
Delta R.T. 0.00 min
Lab File: VL031219.D
Acq: 14 Dec 2017 3:31

Instrument : MSVOA_L
ClientSampleId : BFB

Tgt Ion:119 Resp: 5054202

Ion	Ratio	Lower	Upper
119	100		
91	77.8	63.3	94.9
134	20.0	16.1	24.1

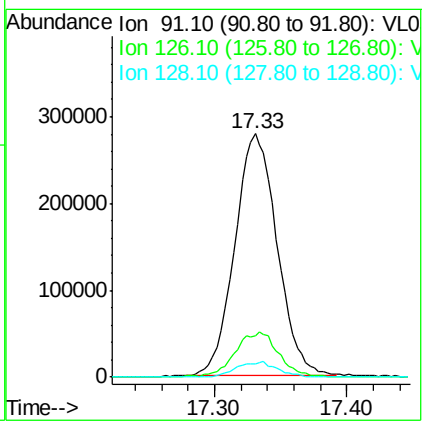


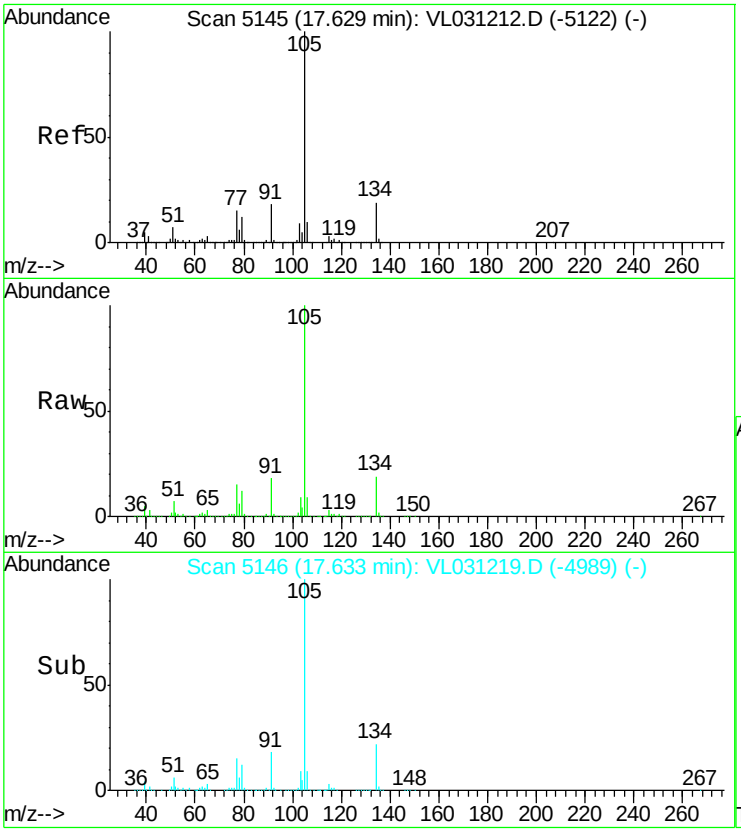


#66
Benzyl Chloride
Concen: 7.34 ppbv
RT: 17.33 min Scan# 5052
Delta R.T. 0.00 min
Lab File: VL031219.D
Acq: 14 Dec 2017 3:31

Tgt Ion: 91 Resp: 616747

Ion	Ratio	Lower	Upper
91	100		
126	19.6	15.2	22.8
128	6.3	4.9	7.3



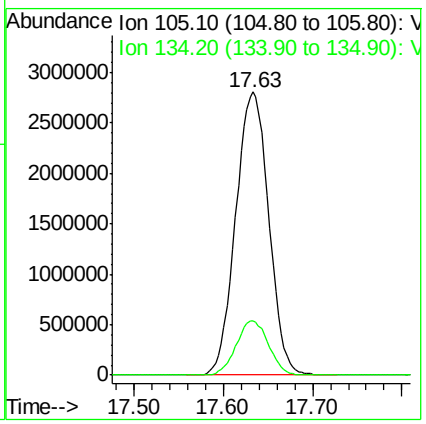


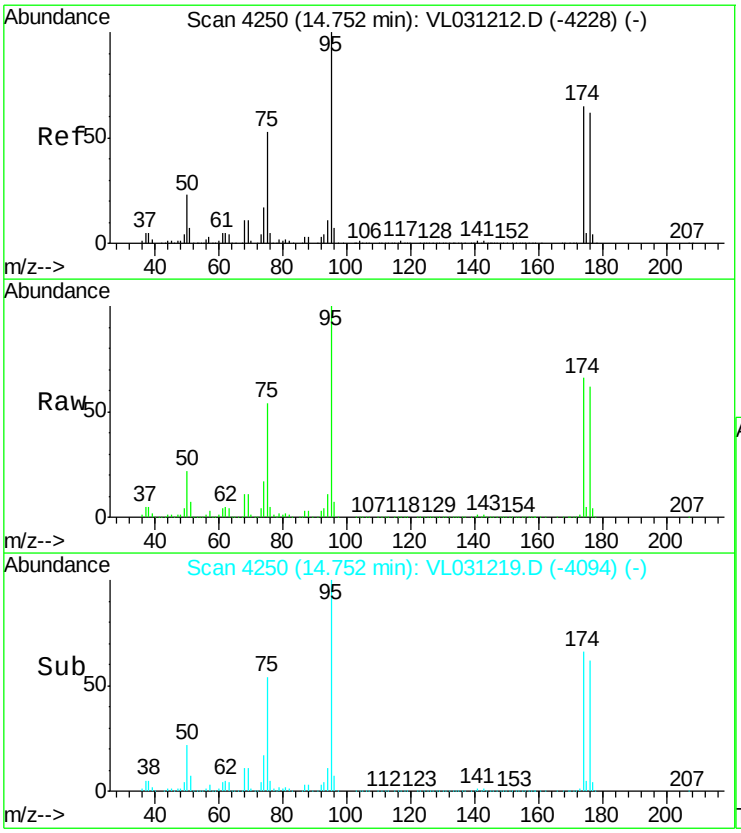
#67
sec-Butylbenzene
Concen: 6.71 ppbv
RT: 17.63 min Scan# 5146
Delta R.T. 0.00 min
Lab File: VL031219.D
Acq: 14 Dec 2017 3:31

Instrument : MSVOA_L
ClientSampleId : BFB

Tgt Ion:105 Resp: 7194405

Ion	Ratio	Lower	Upper
105	100		
134	18.9	15.3	22.9

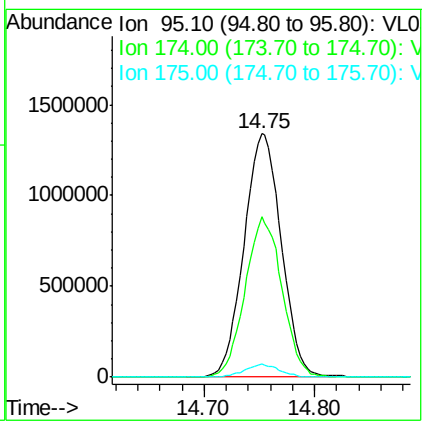


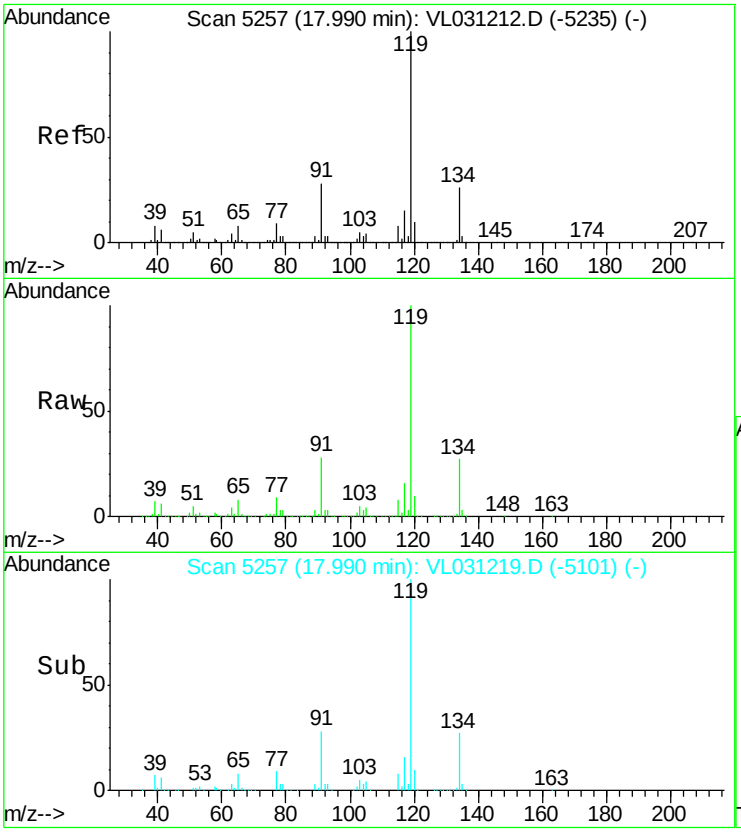


#68
1-Bromo-4-Fluorobenzene
Concen: 8.77 ppbv
RT: 14.75 min Scan# 4250
Delta R.T. 0.00 min
Lab File: VL031219.D
Acq: 14 Dec 2017 3:31

Tgt Ion: 95 Resp: 3143389

Ion	Ratio	Lower	Upper
95	100		
174	65.1	52.5	78.7
175	4.9	4.1	6.1



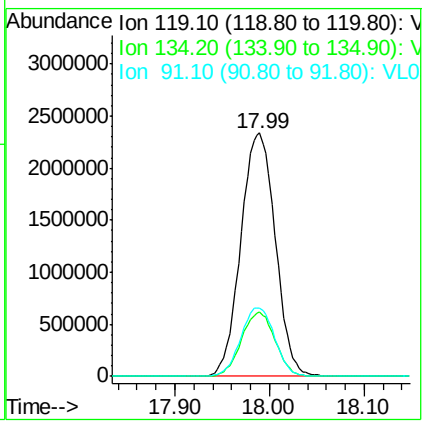


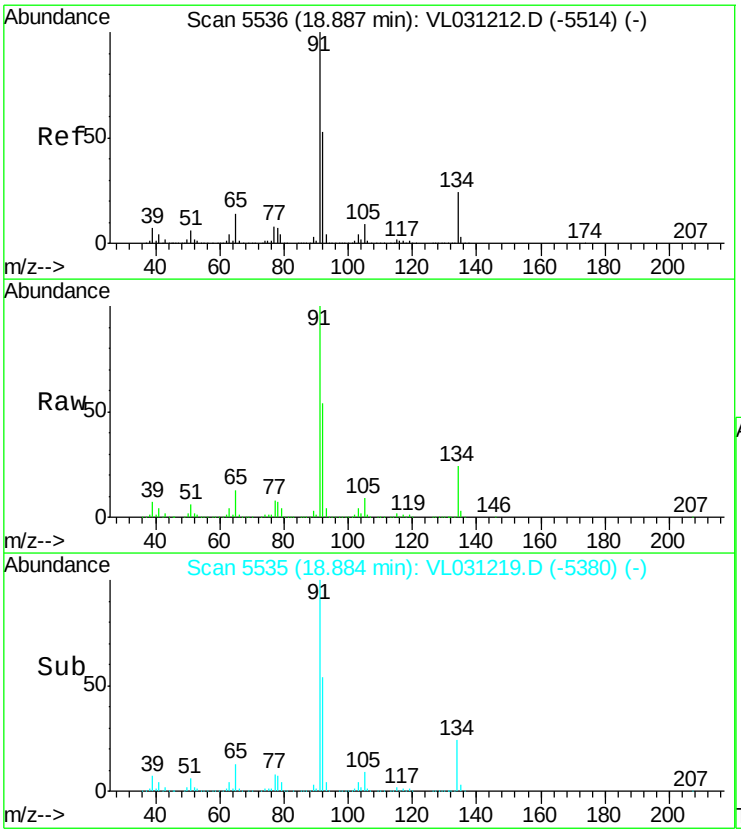
#69
p-Isopropyltoluene
Concen: 6.60 ppbv
RT: 17.99 min Scan# 5257
Delta R.T. 0.00 min
Lab File: VL031219.D
Acq: 14 Dec 2017 3:31

Instrument :
MSVOA_L
ClientSampleId :
BFB

Tgt Ion:119 Resp: 5908909

Ion	Ratio	Lower	Upper
119	100		
134	25.9	20.7	31.1
91	27.9	22.3	33.5

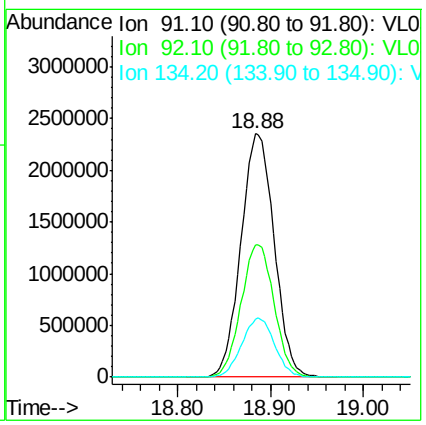


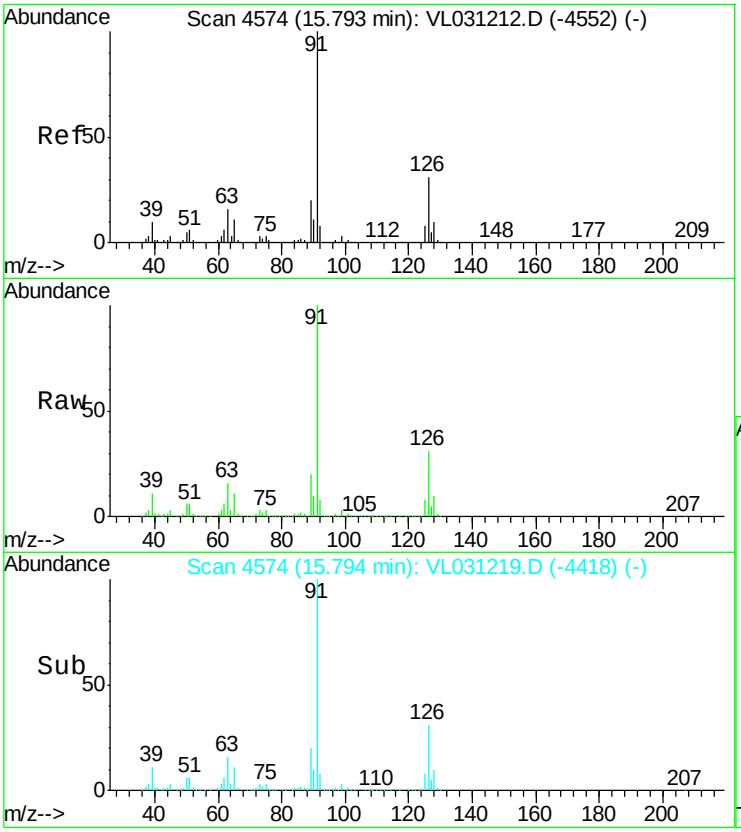


#70
n-Butylbenzene
Concen: 6.77 ppbv
RT: 18.88 min Scan# 5535
Delta R.T. -0.00 min
Lab File: VL031219.D
Acq: 14 Dec 2017 3:31

Tgt Ion: 91 Resp: 5841180

Ion	Ratio	Lower	Upper
91	100		
92	54.2	43.4	65.2
134	24.1	19.3	28.9



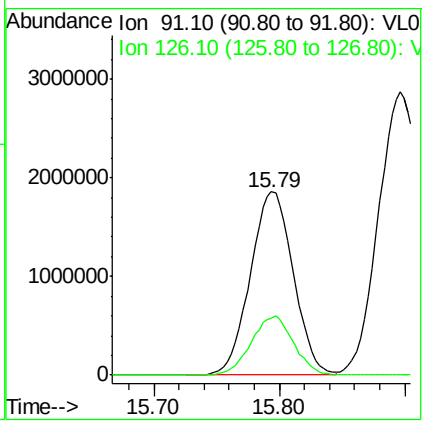


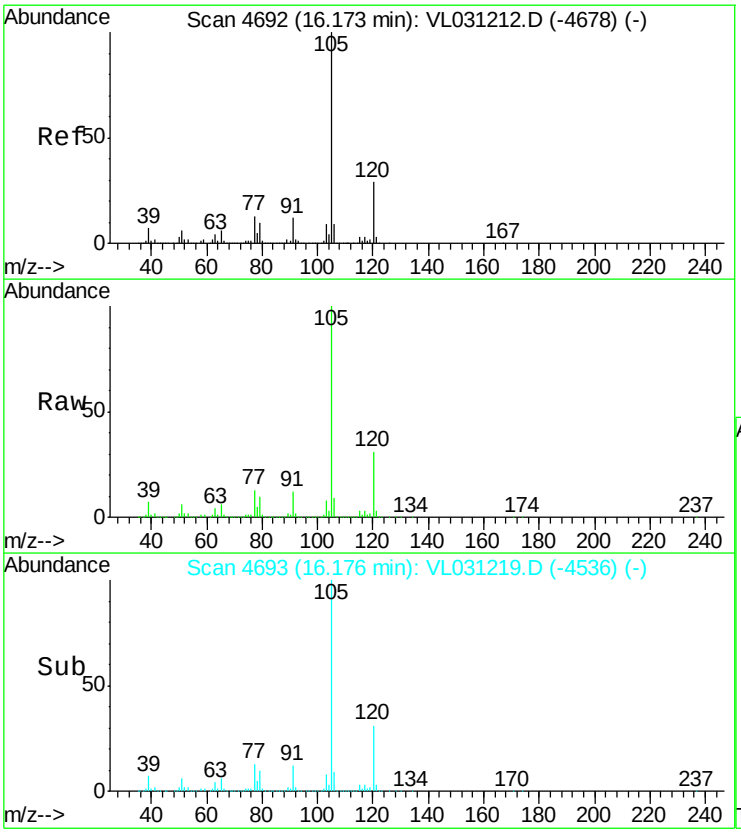
#71
2-Chlorotoluene
Concen: 6.78 ppbv
RT: 15.79 min Scan# 4574
Delta R.T. 0.00 min
Lab File: VL031219.D
Acq: 14 Dec 2017 3:31

Instrument :
MSVOA_L
ClientSampleId :
BFB

Tgt Ion: 91 Resp: 4431196

Ion	Ratio	Lower	Upper
91	100		
126	31.7	12.6	50.6

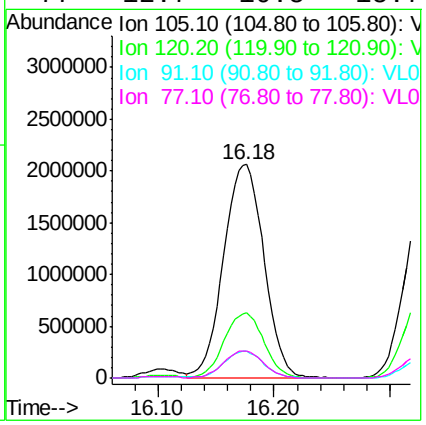


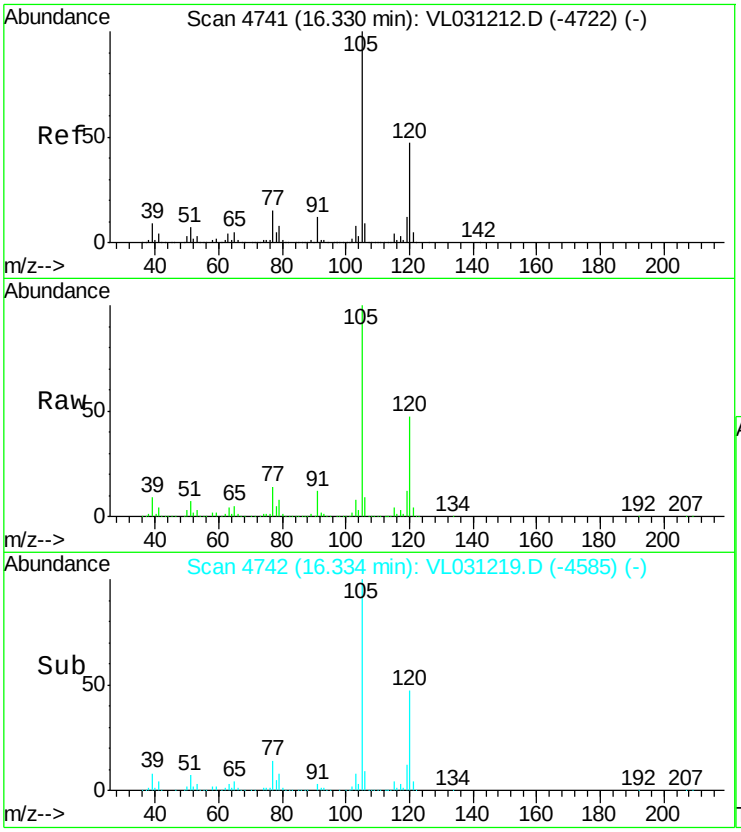


#72
4-Ethyltoluene
Concen: 6.73 ppbv
RT: 16.18 min Scan# 4693
Delta R.T. 0.00 min
Lab File: VL031219.D
Acq: 14 Dec 2017 3:31

Tgt Ion:105 Resp: 4953493

Ion	Ratio	Lower	Upper
105	100		
120	30.2	24.2	36.2
91	12.1	9.8	14.8
77	12.7	10.5	15.7



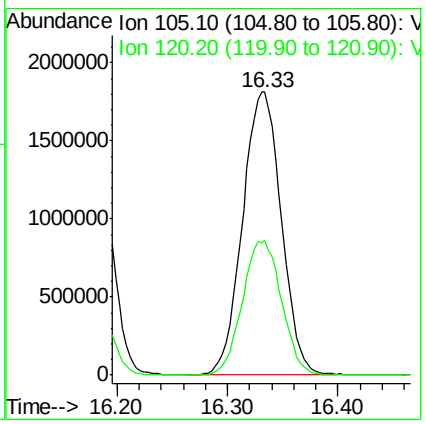


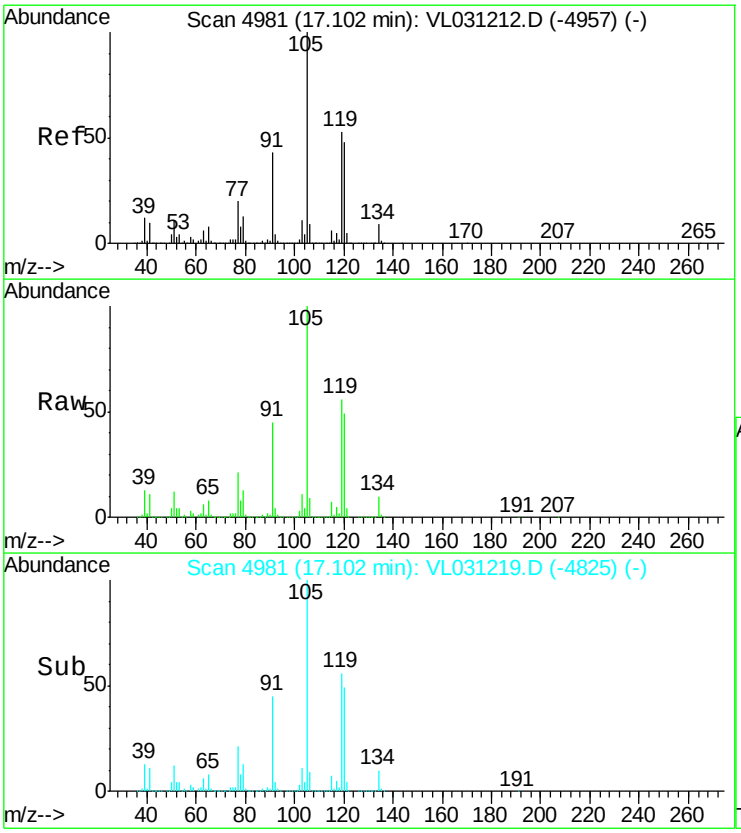
#73
1,3,5-Trimethylbenzene
Concen: 6.68 ppbv
RT: 16.33 min Scan# 4742
Delta R.T. 0.00 min
Lab File: VL031219.D
Acq: 14 Dec 2017 3:31

Instrument :
MSVOA_L
ClientSampleId :
BFB

Tgt Ion:105 Resp: 4377370

Ion	Ratio	Lower	Upper
105	100		
120	47.5	37.8	56.6

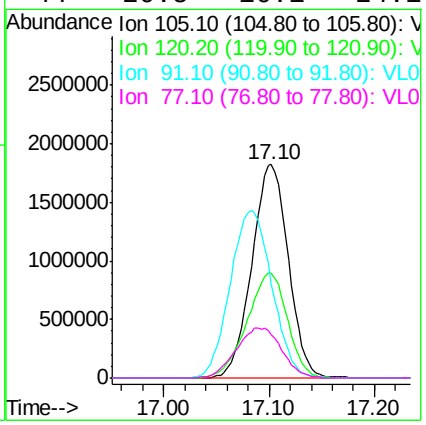


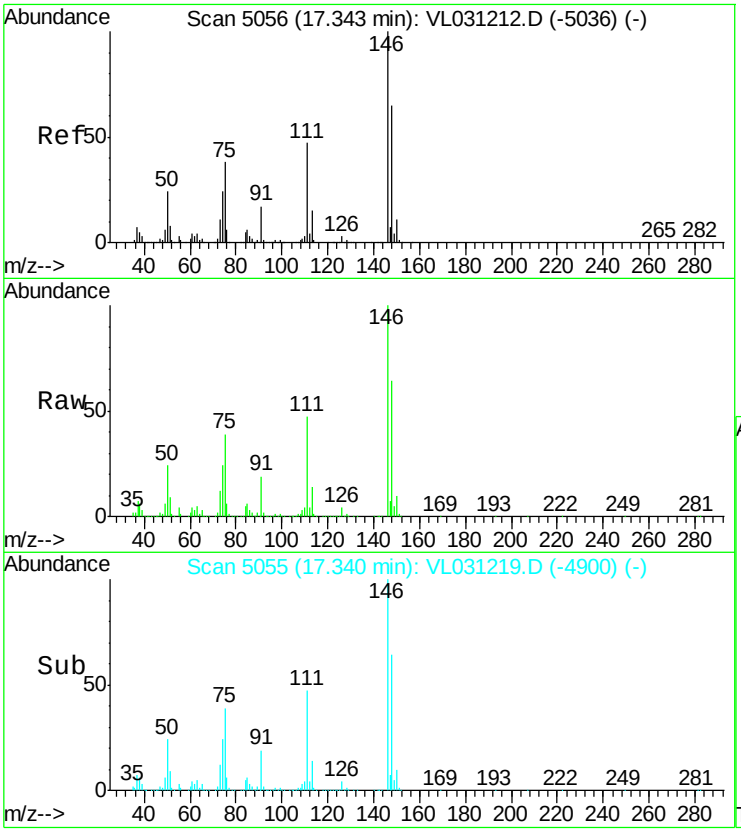


#74
1,2,4-Trimethylbenzene
Concen: 6.37 ppbv
RT: 17.10 min Scan# 4981
Delta R.T. 0.00 min
Lab File: VL031219.D
Acq: 14 Dec 2017 3:31

Tgt Ion:105 Resp: 4388230

Ion	Ratio	Lower	Upper
105	100		
120	49.0	38.6	58.0
91	44.4	34.2	51.4
77	20.5	16.1	24.1



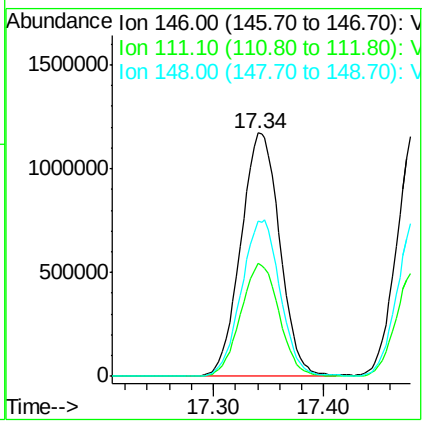


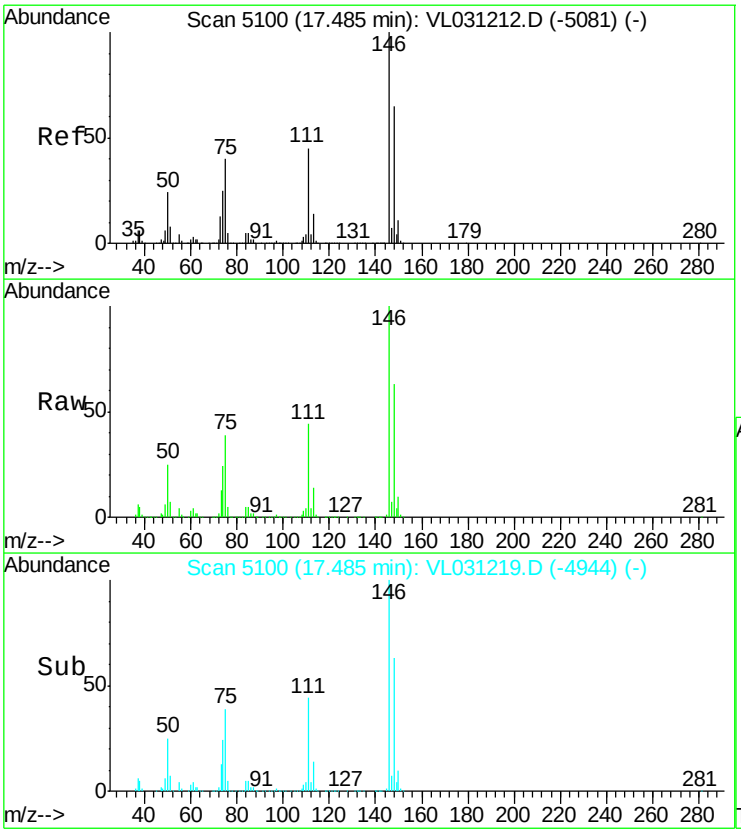
#75
1,3-Dichlorobenzene
Concen: 6.55 ppbv
RT: 17.34 min Scan# 5055
Delta R.T. -0.00 min
Lab File: VL031219.D
Acq: 14 Dec 2017 3:31

Instrument :
MSVOA_L
ClientSampleId :
BFB

Tgt Ion:146 Resp: 2862599

Ion	Ratio	Lower	Upper
146	100		
111	45.8	22.7	68.1
148	64.0	32.0	96.2

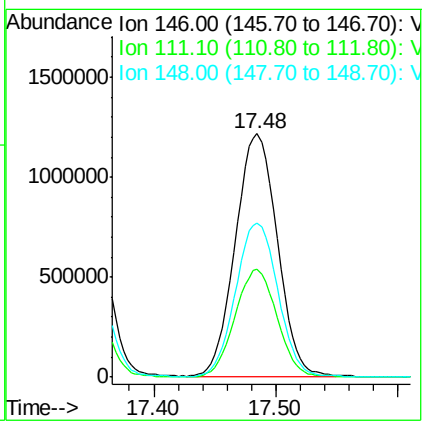


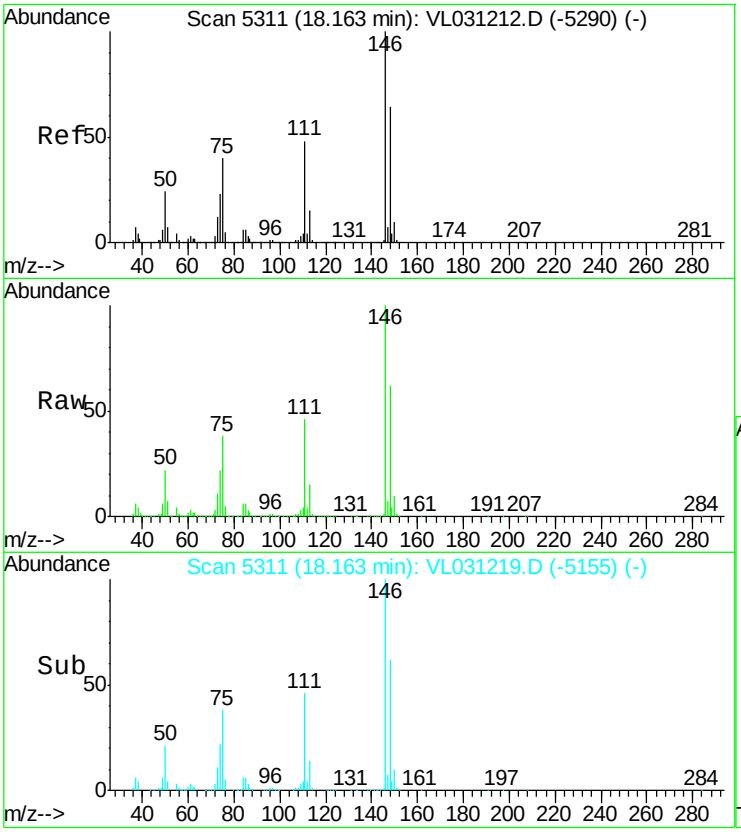


#76
1,4-Dichlorobenzene
Concen: 6.55 ppbv
RT: 17.48 min Scan# 5100
Delta R.T. 0.00 min
Lab File: VL031219.D
Acq: 14 Dec 2017 3:31

Tgt Ion:146 Resp: 2889607

Ion	Ratio	Lower	Upper
146	100		
111	44.8	22.1	66.1
148	64.6	32.0	96.0



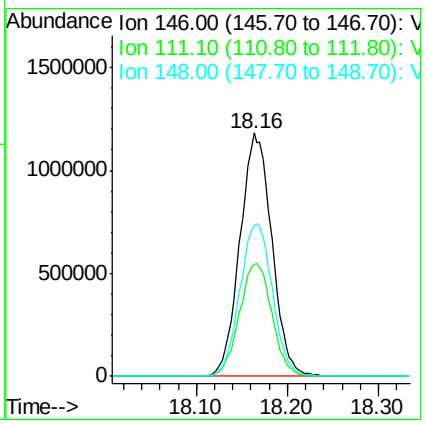


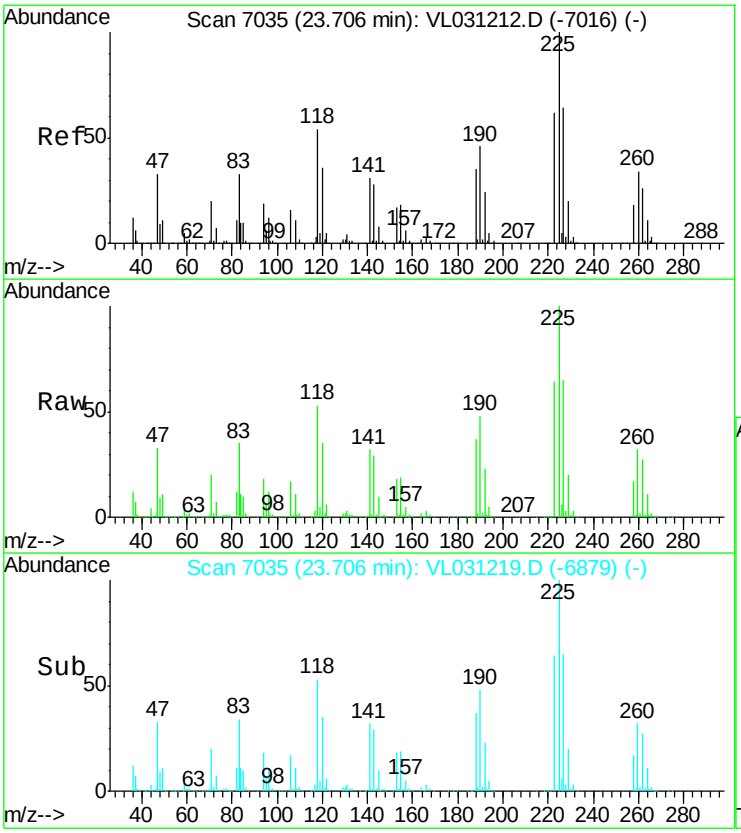
#77
1,2-Dichlorobenzene
Concen: 6.73 ppbv
RT: 18.16 min Scan# 5311
Delta R.T. 0.00 min
Lab File: VL031219.D
Acq: 14 Dec 2017 3:31

Instrument :
MSVOA_L
ClientSampleId :
BFB

Tgt Ion:146 Resp: 2872043

Ion	Ratio	Lower	Upper
146	100		
111	47.3	23.3	69.8
148	64.3	31.9	95.7

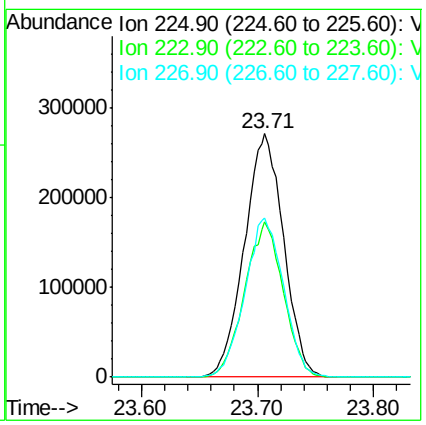


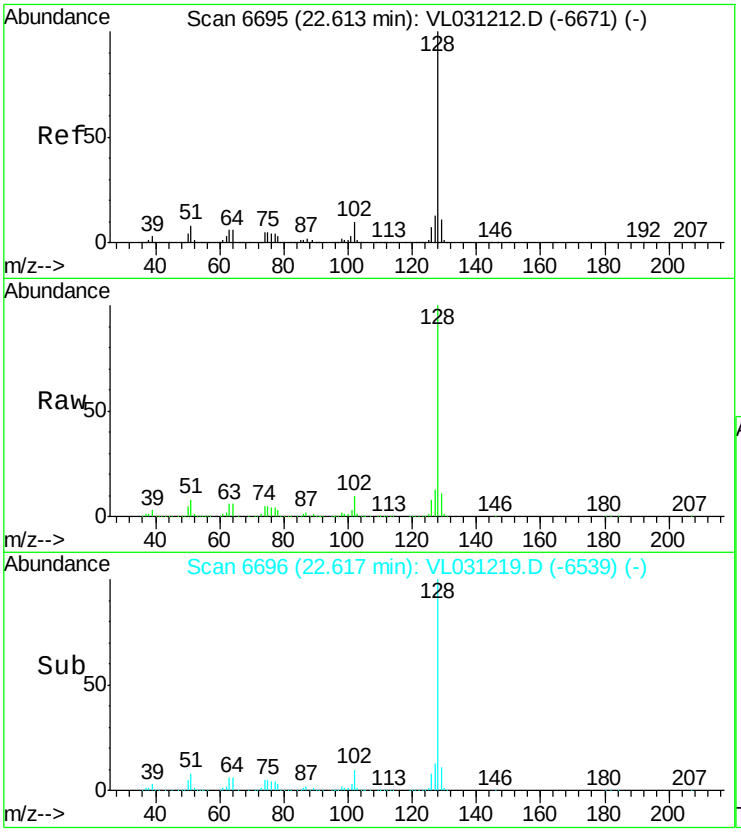


#78
Hexachloro-1,3-Butadiene
Concen: 6.50 ppbv
RT: 23.71 min Scan# 7035
Delta R.T. 0.00 min
Lab File: VL031219.D
Acq: 14 Dec 2017 3:31

Tgt Ion:225 Resp: 636922

Ion	Ratio	Lower	Upper
225	100		
223	62.6	50.4	75.6
227	64.5	51.3	76.9



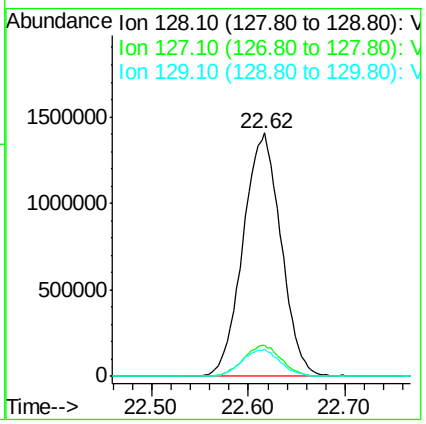


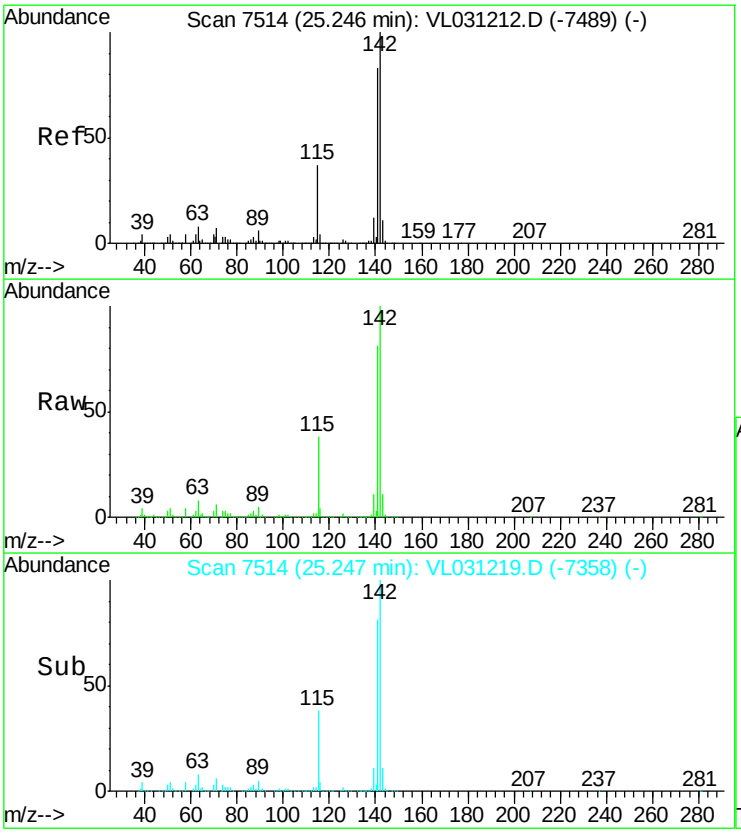
#79
Naphthalene
Concen: 6.88 ppbv
RT: 22.62 min Scan# 6696
Delta R.T. 0.00 min
Lab File: VL031219.D
Acq: 14 Dec 2017 3:31

Instrument :
MSVOA_L
ClientSampleId :
BFB

Tgt Ion:128 Resp: 3834192

Ion	Ratio	Lower	Upper
128	100		
127	12.9	10.2	15.2
129	11.0	8.9	13.3

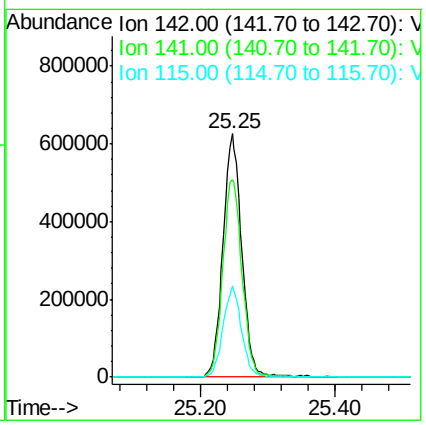


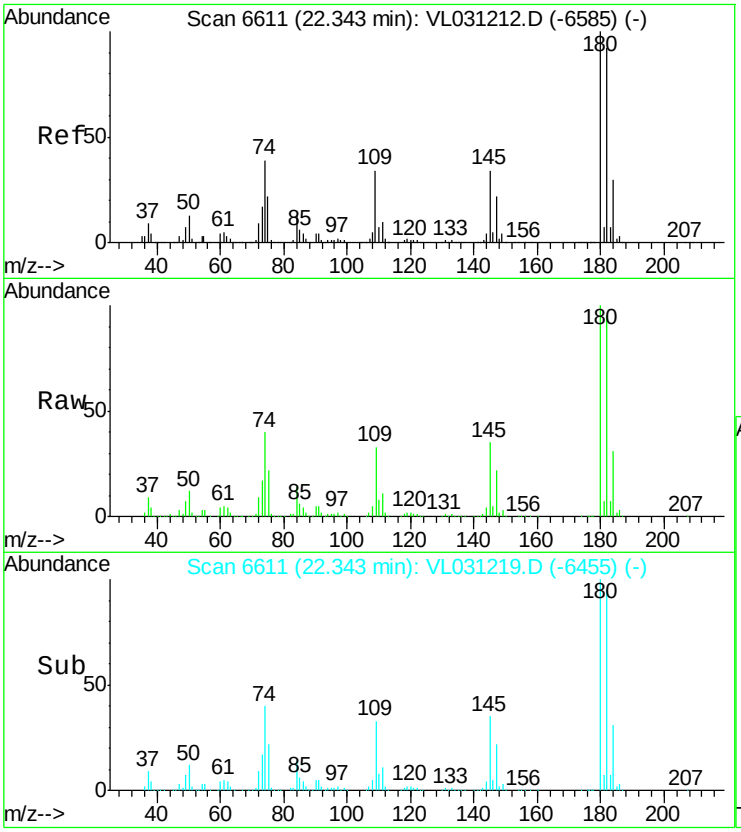


#80
Naphthalene,2-methyl-
Concen: 5.89 ppbv
RT: 25.25 min Scan# 7514
Delta R.T. 0.00 min
Lab File: VL031219.D
Acq: 14 Dec 2017 3:31

Tgt Ion:142 Resp: 1222873

Ion	Ratio	Lower	Upper
142	100		
141	83.5	66.8	100.2
115	36.9	29.7	44.5





#81
1,2,4-Trichlorobenzene
Concen: 6.65 ppbv
RT: 22.34 min Scan# 6611
Delta R.T. 0.00 min
Lab File: VL031219.D
Acq: 14 Dec 2017 3:31

Instrument :
MSVOA_L
ClientSampleId :
BFB

Tgt Ion:180 Resp: 1726671

Ion	Ratio	Lower	Upper
180	100		
182	95.4	75.9	113.9
184	30.1	24.2	36.2