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

Quantitation Report (Not Reviewed)

Data File : VL031221.D
Acq On : 14 Dec 2017 5:31
Operator : SY/AP
Sample : VL1213ABS01
Misc : 400ml/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_L
ClientSampleId : VL1213ABS01

Quant Time: Dec 14 07:07:08 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	1642243	10.00	ppbv		0.00
33) 1,4-Difluorobenzene	7.45	114	4145947	10.00	ppbv		0.00
55) Chlorobenzene-d5	12.42	117	5325153	10.00	ppbv		0.00
System Monitoring Compounds							
68) 1-Bromo-4-Fluorobenzene	14.75	95	3195229	8.44	ppbv		0.00
Spiked Amount 10.000	Range 65 - 135		Recovery = 84.40%				
Target Compounds							Qvalue
2) Dichlorodifluoromethane	3.18	85	1371657	9.89	ppbv		100
3) Chlorodifluoromethane	3.12	51	1509571	8.08	ppbv		100
4) Chloromethane	3.28	50	953198	9.45	ppbv		99
5) Vinyl Chloride	3.40	62	900677	8.63	ppbv		99
6) Bromomethane	3.63	94	559089	9.04	ppbv		97
7) Chloroethane	3.72	64	356759	9.23	ppbv		100
8) Dichlorotetrafluoroethane	3.33	85	1919876	9.97	ppbv		98
9) Propene	3.14	41	834225	9.10	ppbv		99
10) Heptane	8.41	43	2381763	8.54	ppbv		100
11) Trichlorofluoromethane	4.13	101	2107680	9.24	ppbv		100
12) 1,1,2-Trichlorotrifluoroet	4.69	101	1402487	8.78	ppbv		98
13) Ethanol	3.77	45	186861	7.07	ppbv		98
14) Bromoethene	3.91	108	651171	9.48	ppbv		99
15) Acetone	4.02	43	1847235	8.52	ppbv		98
16) 1,3-Butadiene	3.47	39	822754	8.82	ppbv		97
17) tert-Butyl alcohol	4.49	59	875421	7.20	ppbv		99
18) 1,1-Dichloroethene	4.48	96	681929	9.53	ppbv		92
19) Isopropyl Alcohol	4.15	45	1146207	8.36	ppbv	#	85
20) Methylene Chloride	4.54	84	630601	8.79	ppbv		95
21) Allyl Chloride	4.61	41	1149226	9.01	ppbv		99
22) trans-1,2-Dichloroethene	5.11	96	760083	8.64	ppbv		97
23) Vinyl Acetate	5.30	43	2705503	7.75	ppbv		99
24) 1,1-Dichloroethane	5.23	63	2144831	8.46	ppbv		99
25) Ethyl Acetate	5.92	43	3572332	8.07	ppbv		99
26) Hexane	5.93	57	1705307	8.12	ppbv		97
27) Carbon Disulfide	4.76	76	1811365	8.61	ppbv		98
28) Methyl tert-Butyl Ether	5.25	73	2221932	8.09	ppbv		99
29) Chloroform	6.00	83	2453002	8.65	ppbv		100
30) Cyclohexane	7.41	84	1463431	7.91	ppbv		99
31) cis-1,2-Dichloroethene	5.79	61	1594740	8.37	ppbv		100
32) 1,1,1-Trichloroethane	6.78	97	2437649	8.04	ppbv		100
34) 2-Butanone	5.47	43	2445624	8.35	ppbv		100
35) Carbon Tetrachloride	7.30	117	2416931	8.14	ppbv		99
36) Benzene	7.17	78	3516492	8.00	ppbv		99
37) 1,2-Dichloroethane	6.57	62	1964481	8.10	ppbv		100
38) Trichloroethene	8.13	130	1351134	7.88	ppbv		96
39) 1,2-Dichloropropane	7.90	63	1310563	8.44	ppbv		95
40) 1,4-Dioxane	8.12	88	486386	8.67	ppbv	#	100
41) Tetrahydrofuran	6.30	42	1409585	8.56	ppbv		99
42) Bromodichloromethane	8.08	83	2581732	9.04	ppbv		99
43) Methyl Methacrylate	8.30	69	1301339	8.84	ppbv		100

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

Quantitation Report (Not Reviewed)

Data File : VL031221.D
Acq On : 14 Dec 2017 5:31
Operator : SY/AP
Sample : VL1213ABS01
Misc : 400ml/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_L
ClientSampleId : VL1213ABS01

Quant Time: Dec 14 07:07:08 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	5686583	8.57	ppbv		100
45) t-1,3-Dichloropropene	9.58	75	1825412	9.07	ppbv		98
46) cis-1,3-Dichloropropene	9.00	75	2208808	8.73	ppbv		97
47) 1,1,2-Trichloroethane	9.79	97	1480669	9.19	ppbv		98
48) Dibromochloromethane	10.63	129	2414336	9.59	ppbv		100
49) Bromoform	13.38	173	1728469	9.31	ppbv		100
50) 4-Methyl-2-Pentanone	9.04	43	3093285	8.63	ppbv		100
51) 2-Hexanone	10.44	43	2956539	8.65	ppbv	#	99
52) Tetrachloroethene	11.55	164	1346531	8.31	ppbv		98
53) Toluene	10.12	91	4341035	9.11	ppbv		100
54) 1,2-Dibromoethane	10.94	107	2283158	9.35	ppbv		99
56) 1,1,1,2-Tetrachloroethane	12.46	131	1647212	6.93	ppbv		94
57) Chlorobenzene	12.48	112	3292214	6.63	ppbv		98
58) Ethyl Benzene	13.04	91	5736629	6.52	ppbv		99
59) m/p-Xylene	13.33	91	4821660	6.85	ppbv	#	39
60) o-Xylene	14.03	91	4570710	6.44	ppbv		99
61) Styrene	13.86	104	1338728	6.58	ppbv		99
62) Isopropylbenzene	15.00	105	6121932	6.58	ppbv		99
63) 1,1,2,2-Tetrachloroethane	14.01	83	2977107	6.26	ppbv		100
64) n-propylbenzene	15.90	120	1642028	6.65	ppbv		100
65) tert-Butylbenzene	17.08	119	5231435	6.35	ppbv		99
66) Benzyl Chloride	17.33	91	600587	6.76	ppbv		99
67) sec-Butylbenzene	17.63	105	7384084	6.52	ppbv		100
69) p-Isopropyltoluene	17.99	119	6112921	6.47	ppbv		100
70) n-Butylbenzene	18.89	91	5998368	6.58	ppbv		100
71) 2-Chlorotoluene	15.79	91	4574050	6.62	ppbv		100
72) 4-Ethyltoluene	16.17	105	5126726	6.60	ppbv		99
73) 1,3,5-Trimethylbenzene	16.33	105	4494126	6.50	ppbv		99
74) 1,2,4-Trimethylbenzene	17.10	105	4554198	6.26	ppbv		96
75) 1,3-Dichlorobenzene	17.34	146	2935213	6.36	ppbv		99
76) 1,4-Dichlorobenzene	17.48	146	3000736	6.44	ppbv		100
77) 1,2-Dichlorobenzene	18.17	146	2948900	6.54	ppbv		100
78) Hexachloro-1,3-Butadiene	23.71	225	631945	6.10	ppbv		99
79) Naphthalene	22.61	128	3791128	6.44	ppbv		99
80) Naphthalene,2-methyl-	25.25	142	1141965	5.21	ppbv		100
81) 1,2,4-Trichlorobenzene	22.34	180	1690451	6.16	ppbv		100

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

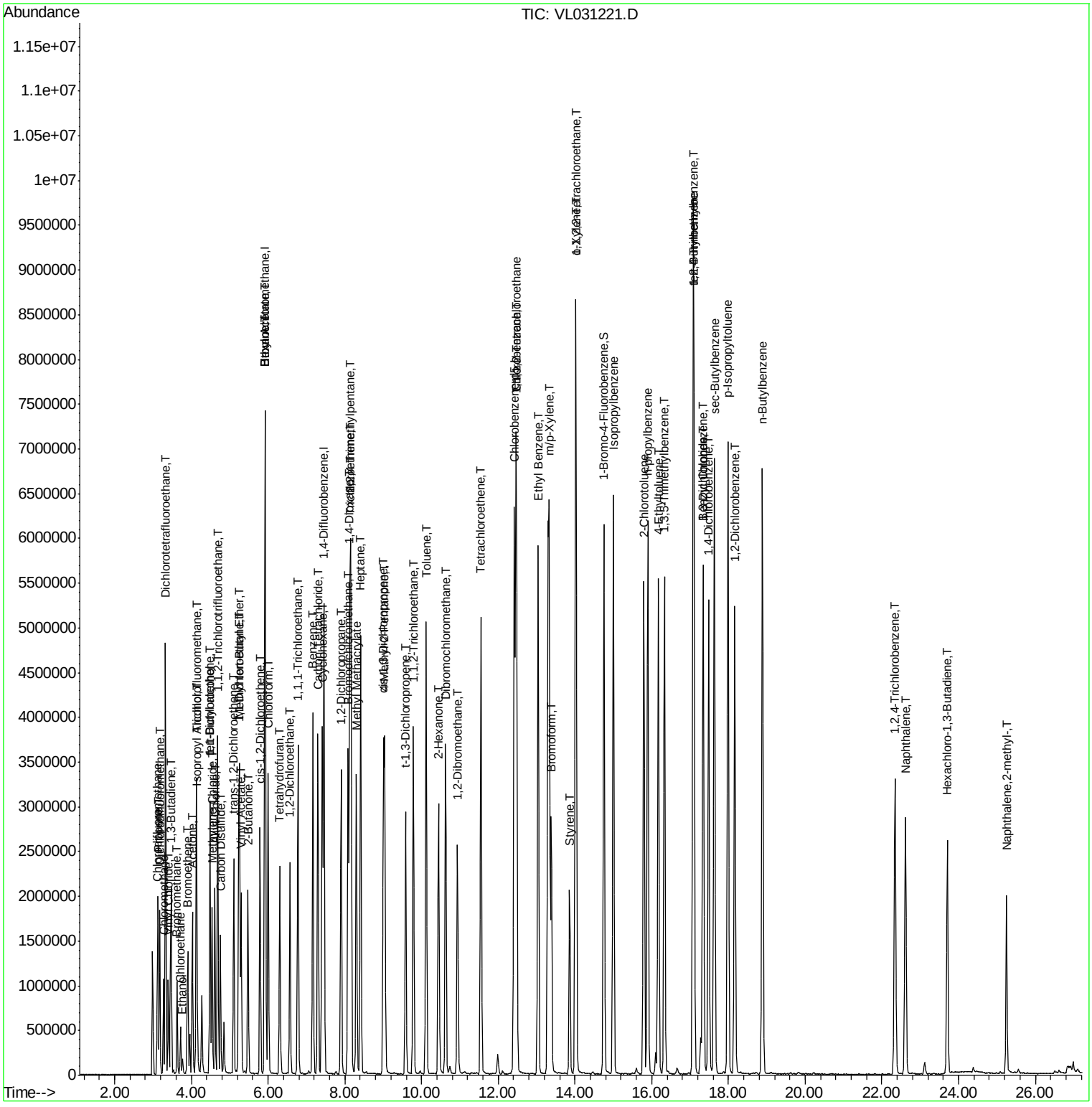
Data Path : W:\HPCHEM1\MSVOA_L\DATA\VL121317\

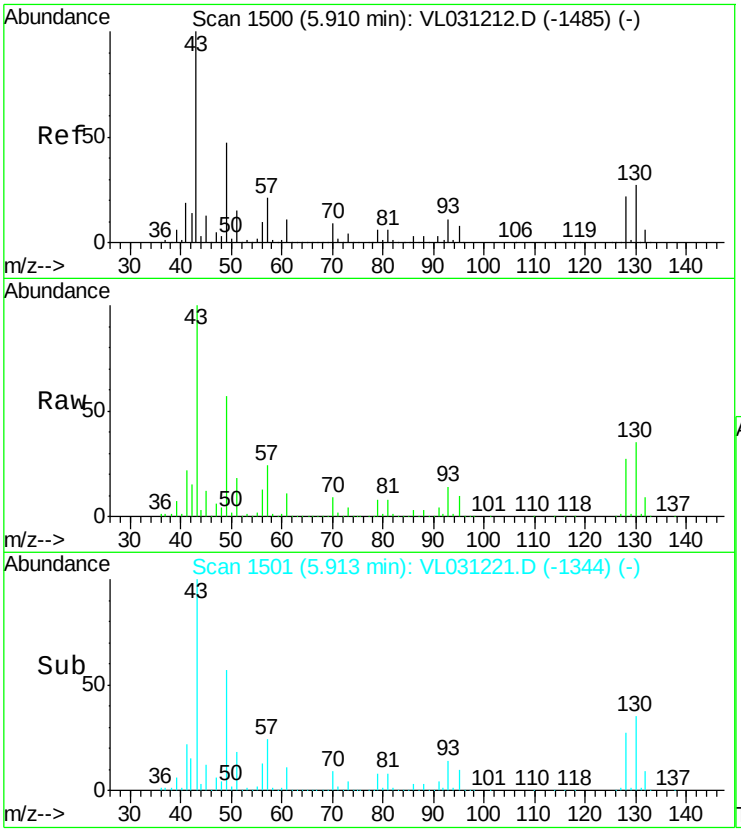
Quantitation Report (Not Reviewed)

Data File : VL031221.D
Acq On : 14 Dec 2017 5:31
Operator : SY/AP
Sample : VL1213ABS01
Misc : 400ml/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_L
ClientSampleId : VL1213ABS01

Quant Time: Dec 14 07:07:08 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



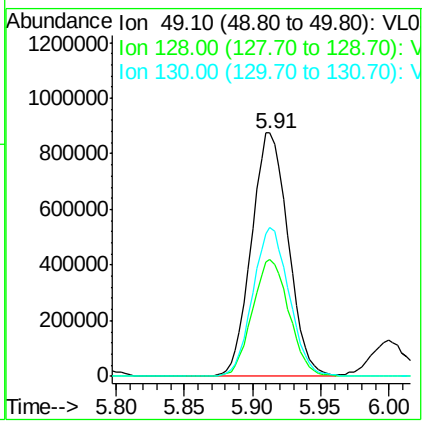


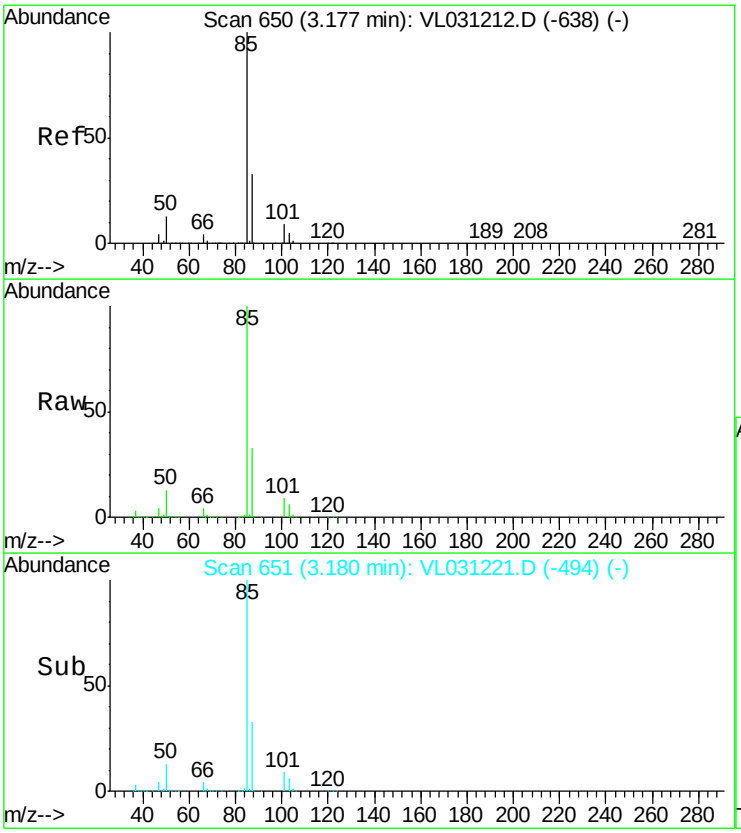
#1
Bromochloromethane
Concen: 10.00 ppbv
RT: 5.91 min Scan# 1501
Delta R.T. 0.00 min
Lab File: VL031221.D
Acq: 14 Dec 2017 5:31

Instrument :
MSVOA_L
ClientSampleId :
VL1213ABS01

Tgt Ion: 49 Resp: 1642243

Ion	Ratio	Lower	Upper
49	100		
128	48.0	23.2	69.5
130	60.7	29.6	88.8

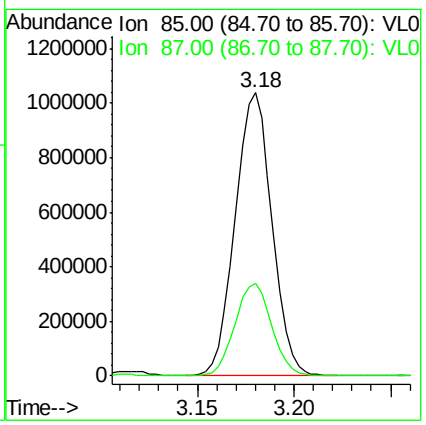


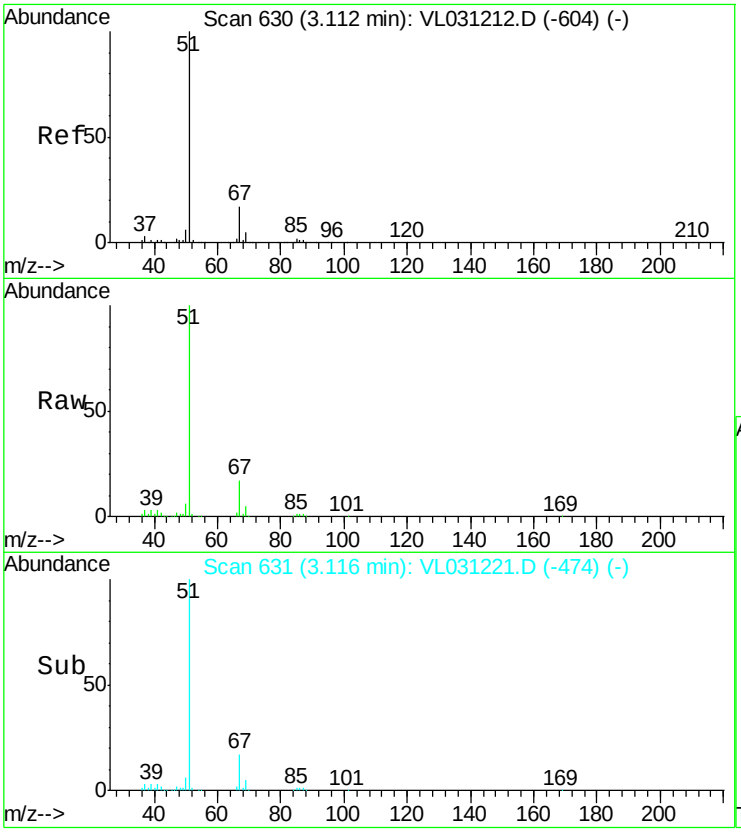


#2
Dichlorodifluoromethane
Concen: 9.89 ppbv
RT: 3.18 min Scan# 651
Delta R.T. 0.00 min
Lab File: VL031221.D
Acq: 14 Dec 2017 5:31

Tgt Ion: 85 Resp: 1371657

Ion	Ratio	Lower	Upper
85	100		
87	32.8	26.2	39.2



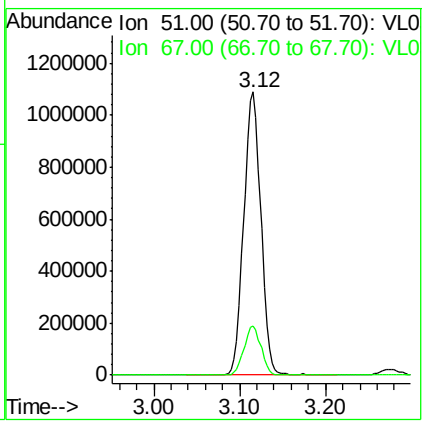


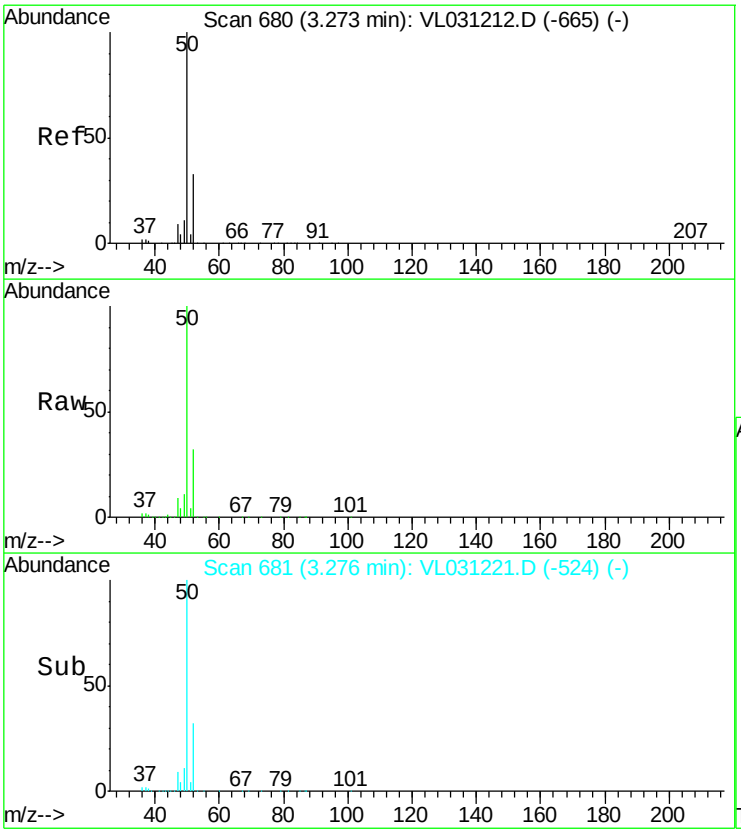
#3
Chlorodifluoromethane
Concen: 8.08 ppbv
RT: 3.12 min Scan# 631
Delta R.T. 0.00 min
Lab File: VL031221.D
Acq: 14 Dec 2017 5:31

Instrument :
MSVOA_L
ClientSampleId :
VL1213ABS01

Tgt Ion: 51 Resp: 1509571

Ion	Ratio	Lower	Upper
51	100		
67	17.3	13.8	20.6

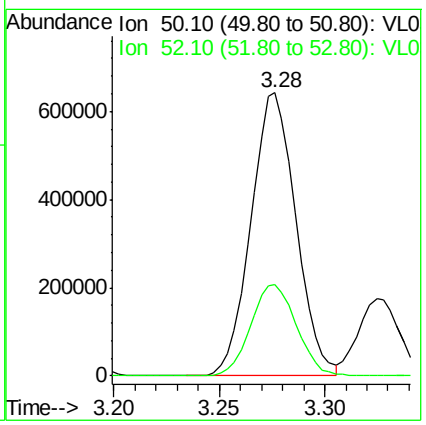


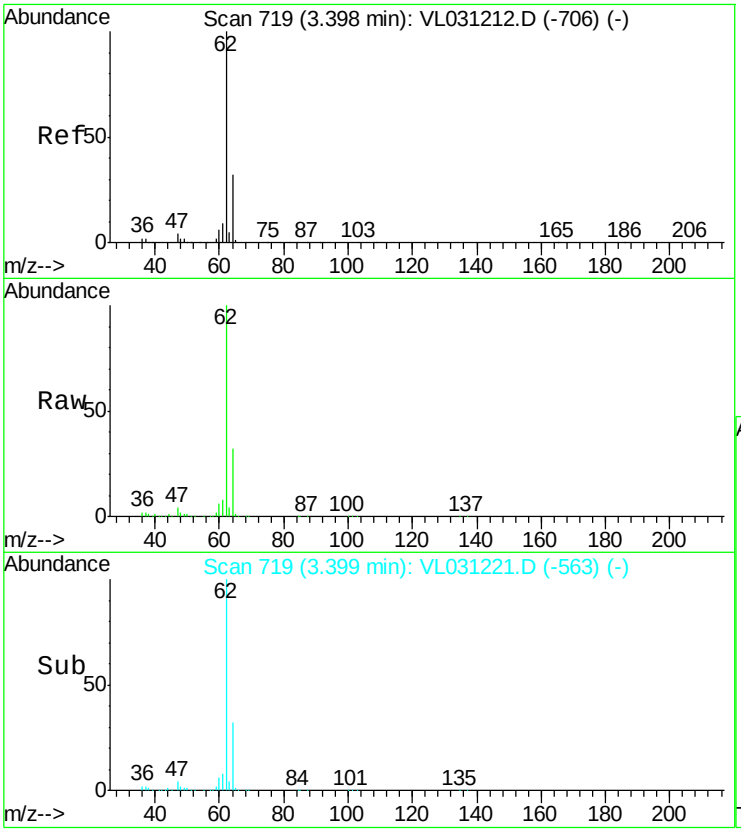


#4
Chloromethane
Concen: 9.45 ppbv
RT: 3.28 min Scan# 681
Delta R.T. 0.00 min
Lab File: VL031221.D
Acq: 14 Dec 2017 5:31

Tgt Ion: 50 Resp: 953198

Ion	Ratio	Lower	Upper
50	100		
52	32.5	26.5	39.7



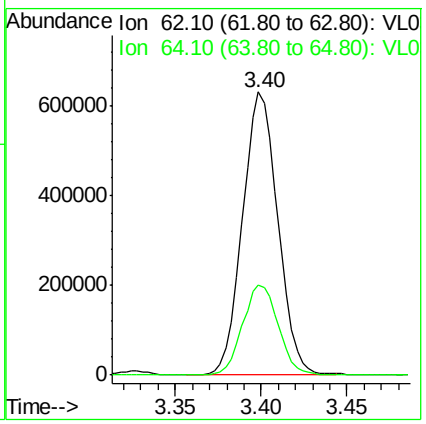


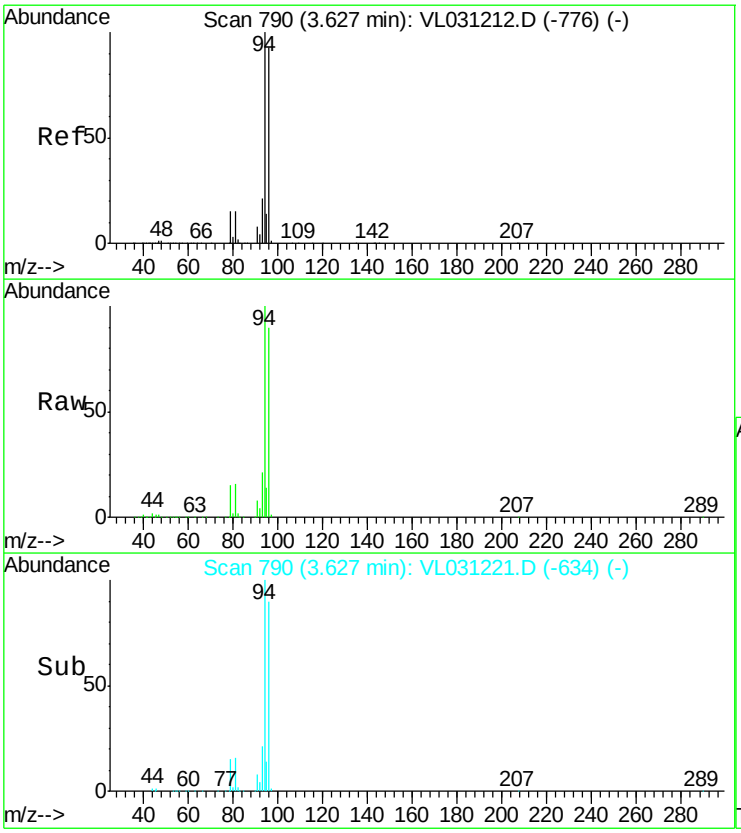
#5
Vinyl Chloride
Concen: 8.63 ppbv
RT: 3.40 min Scan# 719
Delta R.T. 0.00 min
Lab File: VL031221.D
Acq: 14 Dec 2017 5:31

Instrument : MSVOA_L
ClientSampleId : VL1213ABS01

Tgt Ion: 62 Resp: 900677

Ion	Ratio	Lower	Upper
62	100		
64	32.0	25.9	38.9

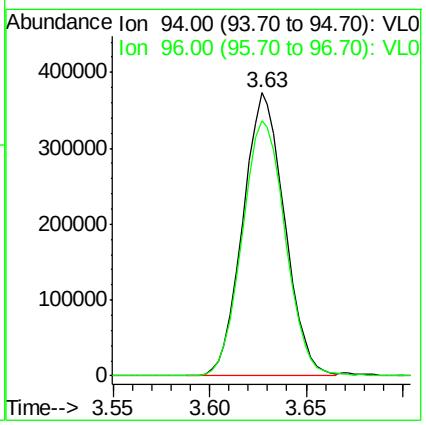


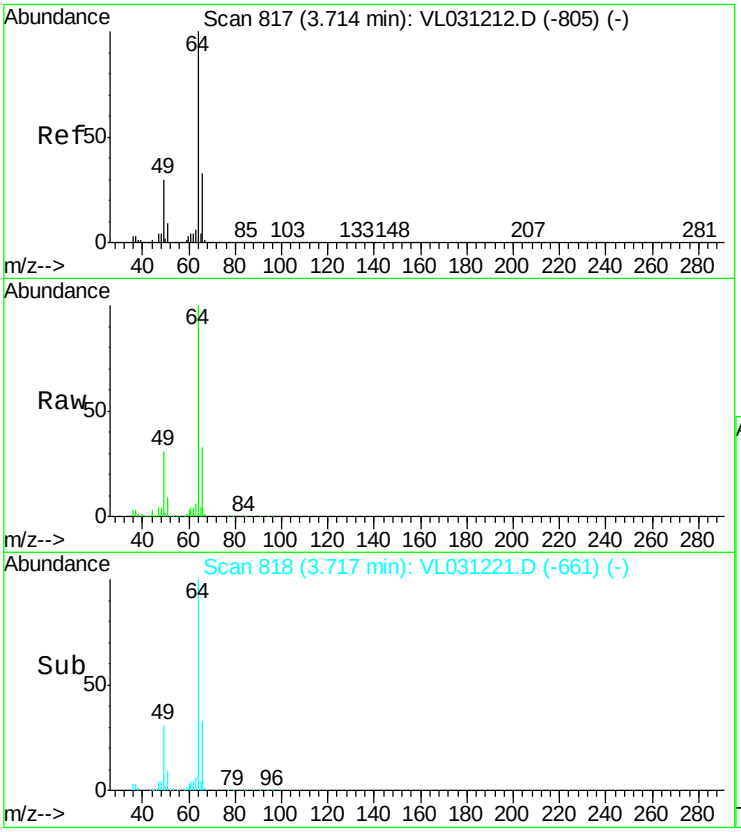


#6
Bromomethane
Concen: 9.04 ppbv
RT: 3.63 min Scan# 790
Delta R.T. 0.00 min
Lab File: VL031221.D
Acq: 14 Dec 2017 5:31

Tgt Ion: 94 Resp: 559089

Ion	Ratio	Lower	Upper
94	100		
96	90.1	74.4	111.6



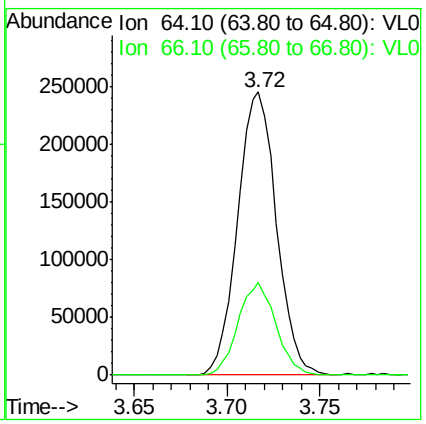


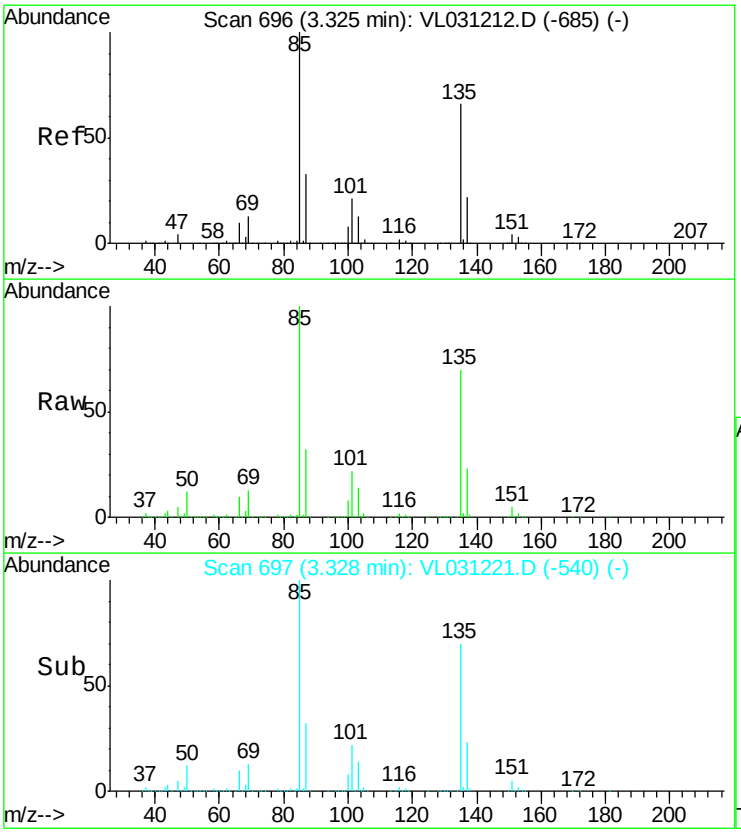
#7
Chloroethane
Concen: 9.23 ppbv
RT: 3.72 min Scan# 818
Delta R.T. 0.00 min
Lab File: VL031221.D
Acq: 14 Dec 2017 5:31

Instrument :
MSVOA_L
ClientSampleId :
VL1213ABS01

Tgt Ion: 64 Resp: 356759

Ion	Ratio	Lower	Upper
64	100		
66	32.7	26.2	39.2

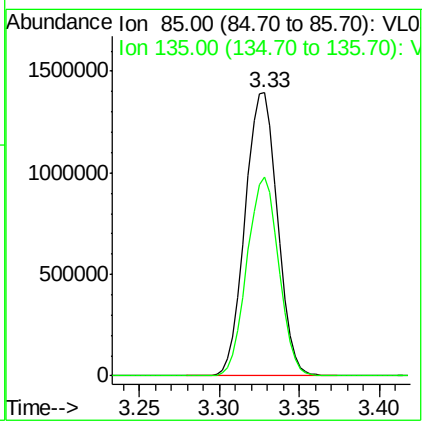


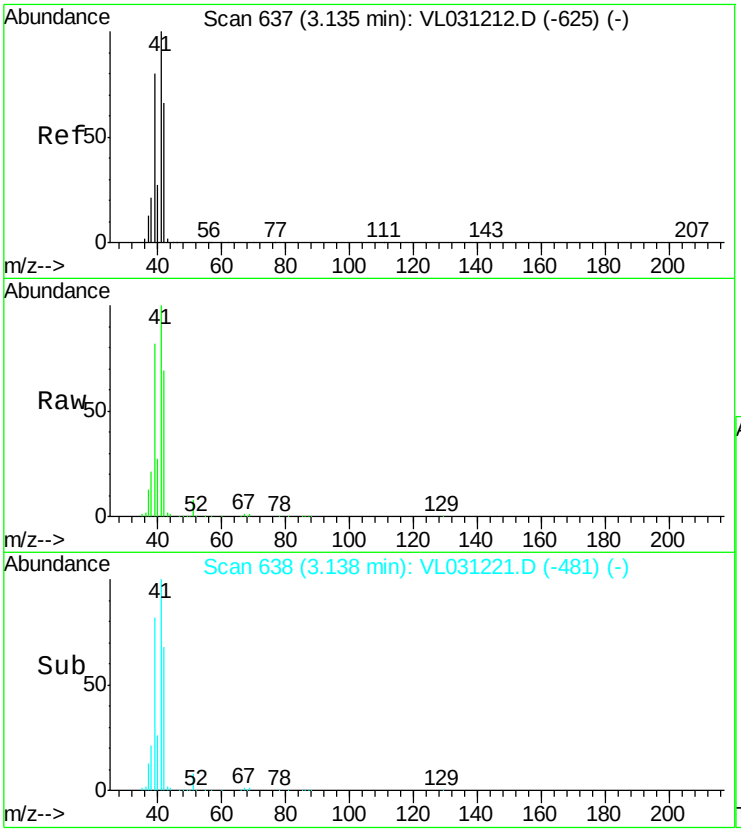


#8
Dichlorotetrafluoroethane
Concen: 9.97 ppbv
RT: 3.33 min Scan# 697
Delta R.T. 0.00 min
Lab File: VL031221.D
Acq: 14 Dec 2017 5:31

Tgt Ion: 85 Resp: 1919876

Ion	Ratio	Lower	Upper
85	100		
135	69.3	54.0	81.0



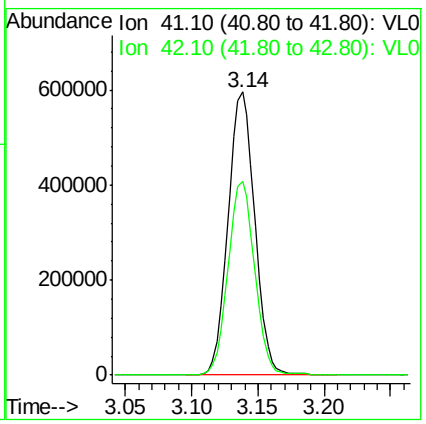


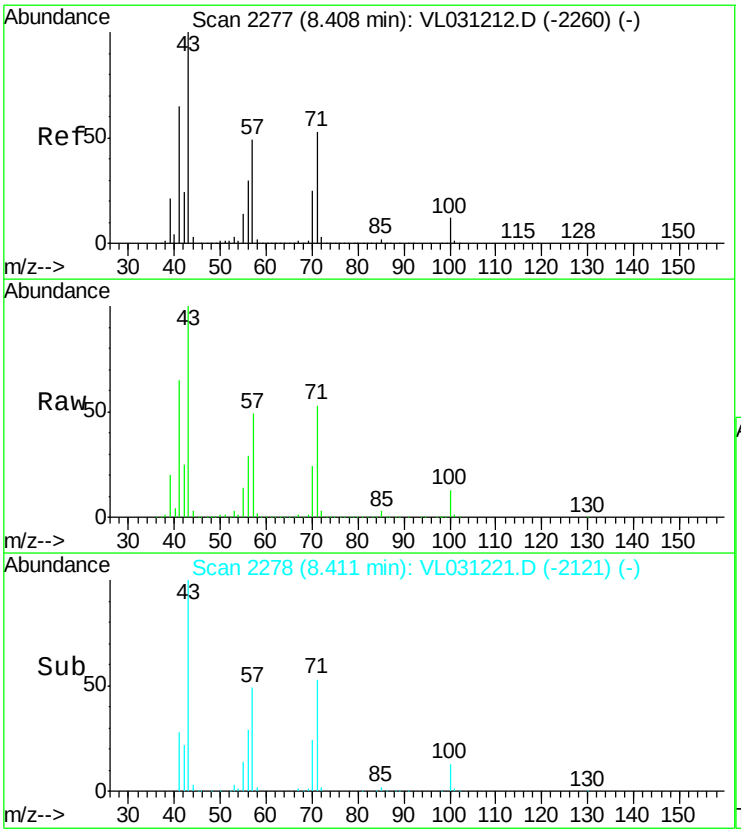
#9
Propene
Concen: 9.10 ppbv
RT: 3.14 min Scan# 638
Delta R.T. 0.00 min
Lab File: VL031221.D
Acq: 14 Dec 2017 5:31

Instrument : MSVOA_L
ClientSampleId : VL1213ABS01

Tgt Ion: 41 Resp: 834225

Ion	Ratio	Lower	Upper
41	100		
42	68.6	54.3	81.5

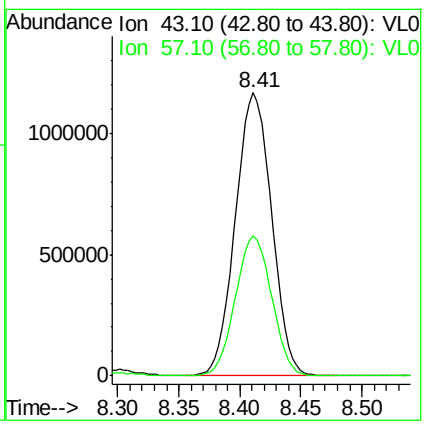


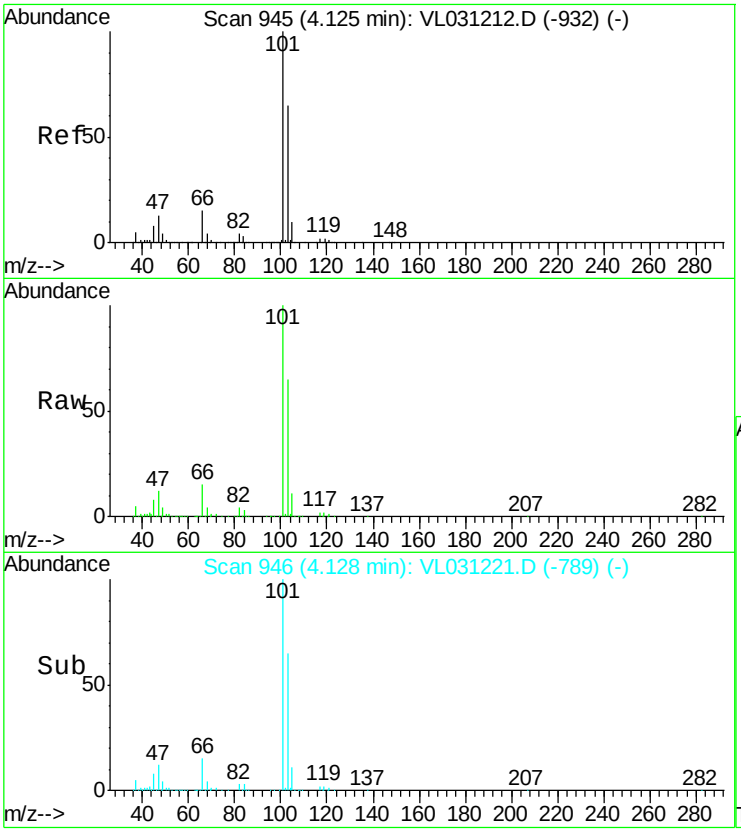


#10
Heptane
Concen: 8.54 ppbv
RT: 8.41 min Scan# 2278
Delta R.T. 0.00 min
Lab File: VL031221.D
Acq: 14 Dec 2017 5:31

Tgt Ion: 43 Resp: 2381763

Ion	Ratio	Lower	Upper
43	100		
57	49.7	39.8	59.8



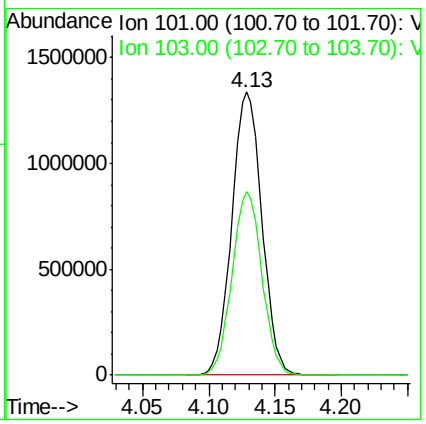


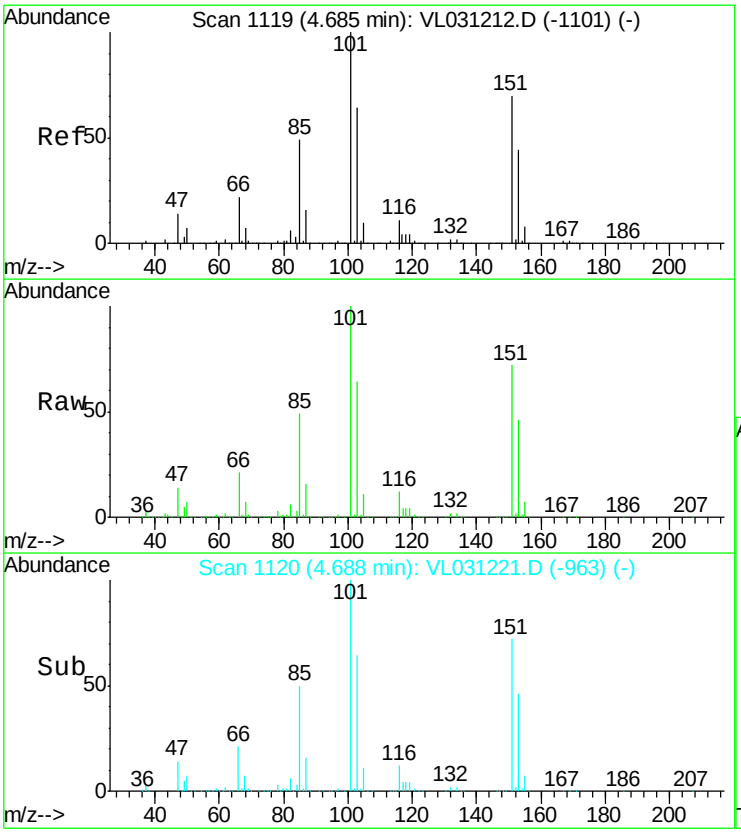
#11
Trichlorofluoromethane
Concen: 9.24 ppbv
RT: 4.13 min Scan# 946
Delta R.T. 0.00 min
Lab File: VL031221.D
Acq: 14 Dec 2017 5:31

Instrument :
MSVOA_L
ClientSampleId :
VL1213ABS01

Tgt Ion:101 Resp: 2107680

Ion	Ratio	Lower	Upper
101	100		
103	65.0	51.8	77.8

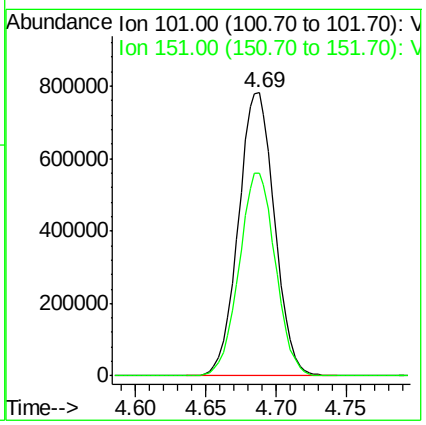


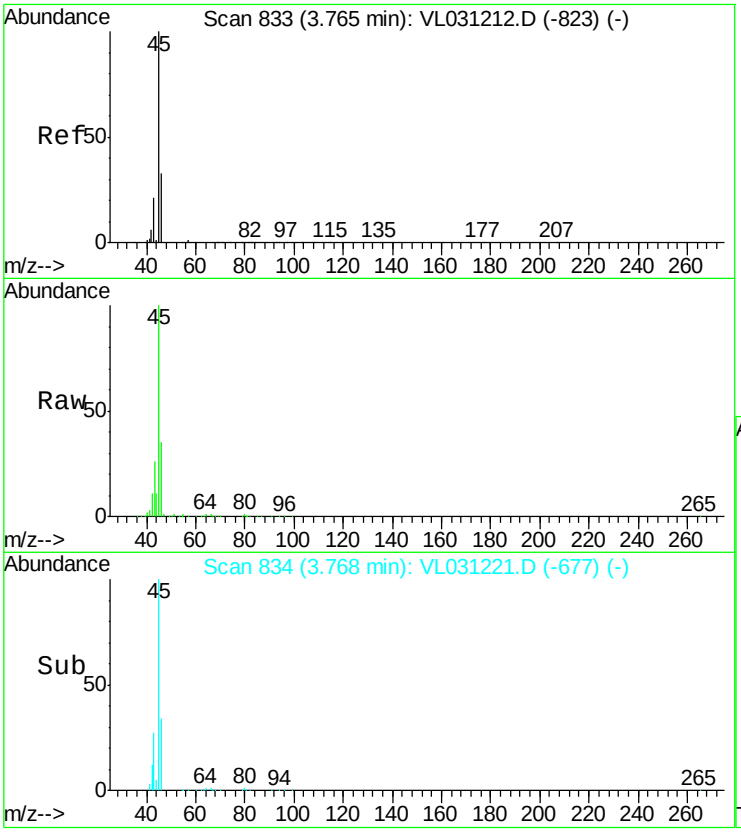


#12
1,1,2-Trichlorotrifluoroethane
Concen: 8.78 ppbv
RT: 4.69 min Scan# 1120
Delta R.T. 0.00 min
Lab File: VL031221.D
Acq: 14 Dec 2017 5:31

Tgt Ion:101 Resp: 1402487

Ion	Ratio	Lower	Upper
101	100		
151	72.2	56.5	84.7



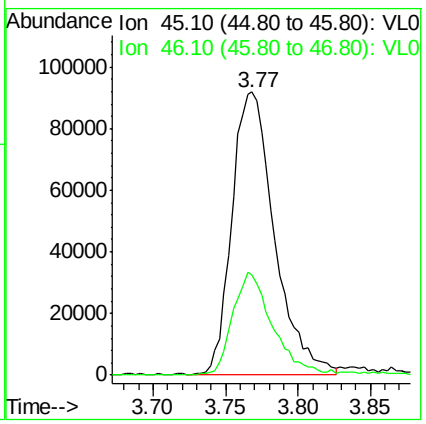


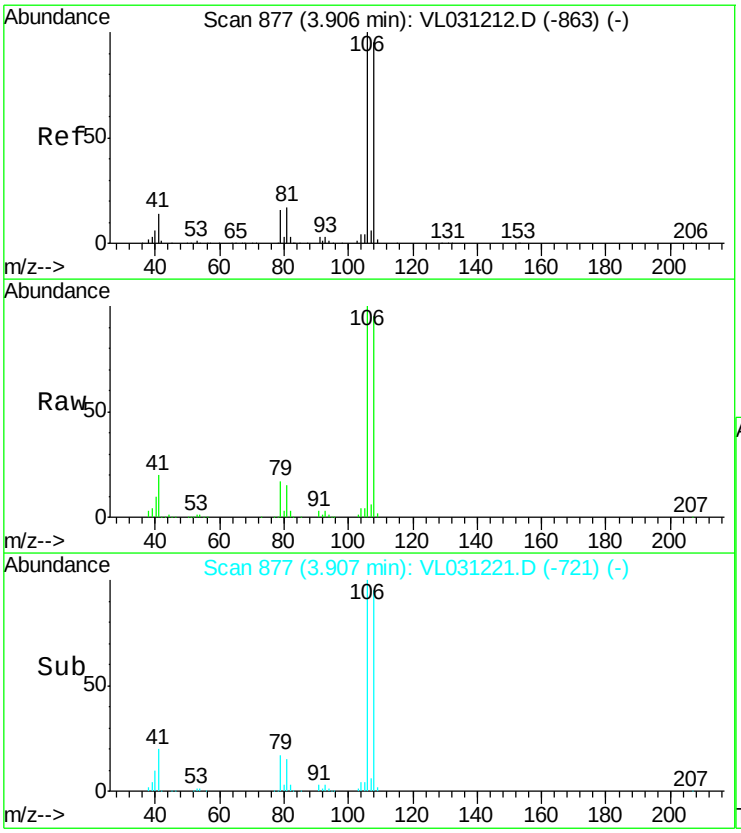
#13
Ethanol
Concen: 7.07 ppbv
RT: 3.77 min Scan# 834
Delta R.T. 0.00 min
Lab File: VL031221.D
Acq: 14 Dec 2017 5:31

Instrument :
MSVOA_L
ClientSampleId :
VL1213ABS01

Tgt Ion: 45 Resp: 186861

Ion	Ratio	Lower	Upper
45	100		
46	35.4	14.6	58.4

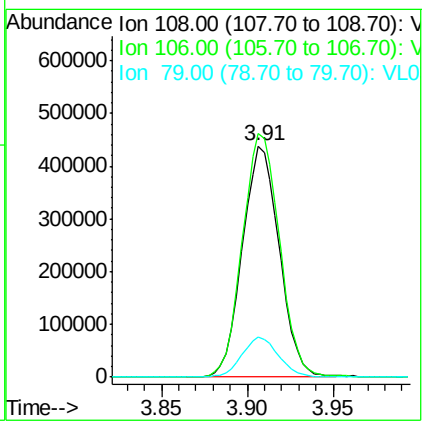


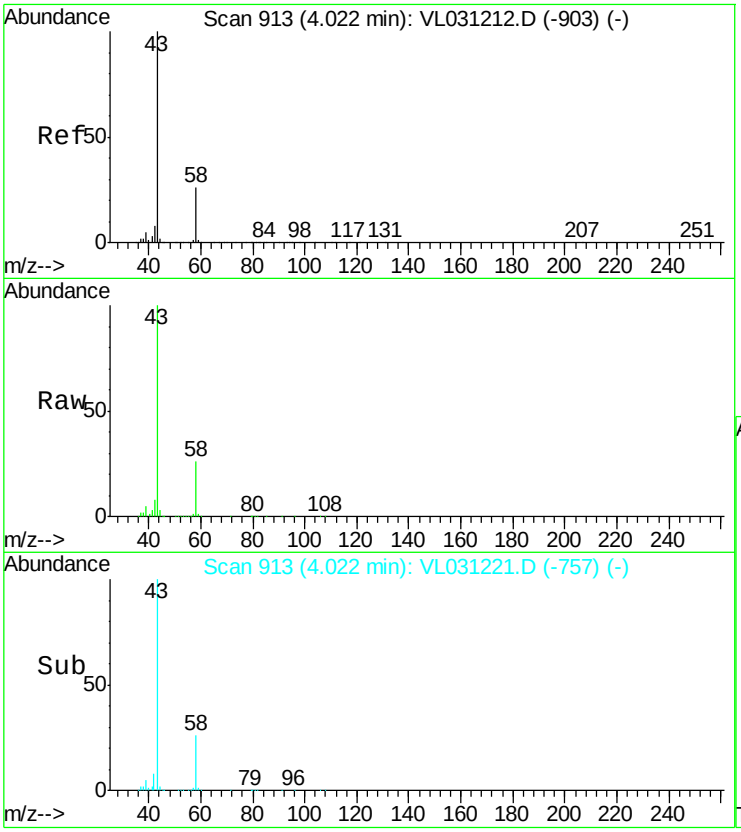


#14
Bromoethene
Concen: 9.48 ppbv
RT: 3.91 min Scan# 877
Delta R.T. 0.00 min
Lab File: VL031221.D
Acq: 14 Dec 2017 5:31

Tgt Ion:108 Resp: 651171

Ion	Ratio	Lower	Upper
108	100		
106	107.2	86.5	129.7
79	17.3	14.2	21.4



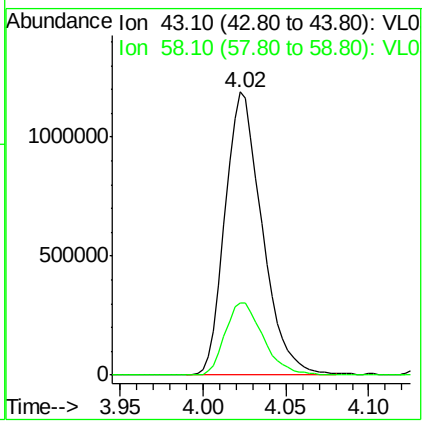


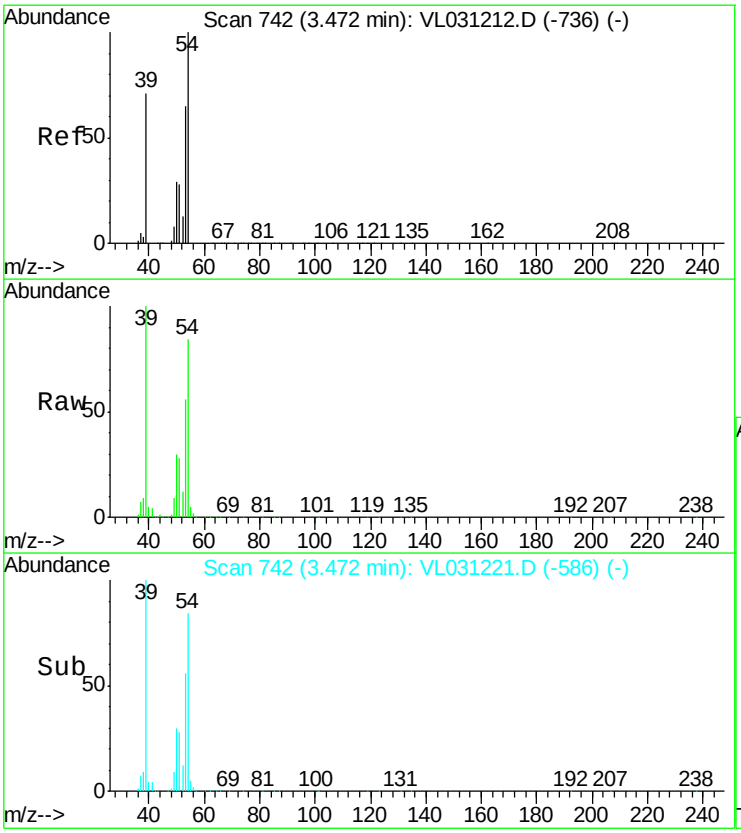
#15
Acetone
Concen: 8.52 ppbv
RT: 4.02 min Scan# 913
Delta R.T. 0.00 min
Lab File: VL031221.D
Acq: 14 Dec 2017 5:31

Instrument : MSVOA_L
ClientSampleId : VL1213ABS01

Tgt Ion: 43 Resp: 1847235

Ion	Ratio	Lower	Upper
43	100		
58	26.2	20.3	30.5

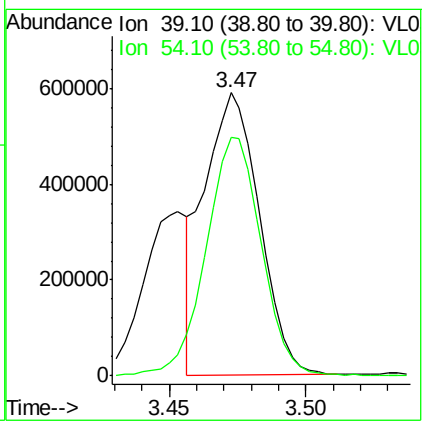


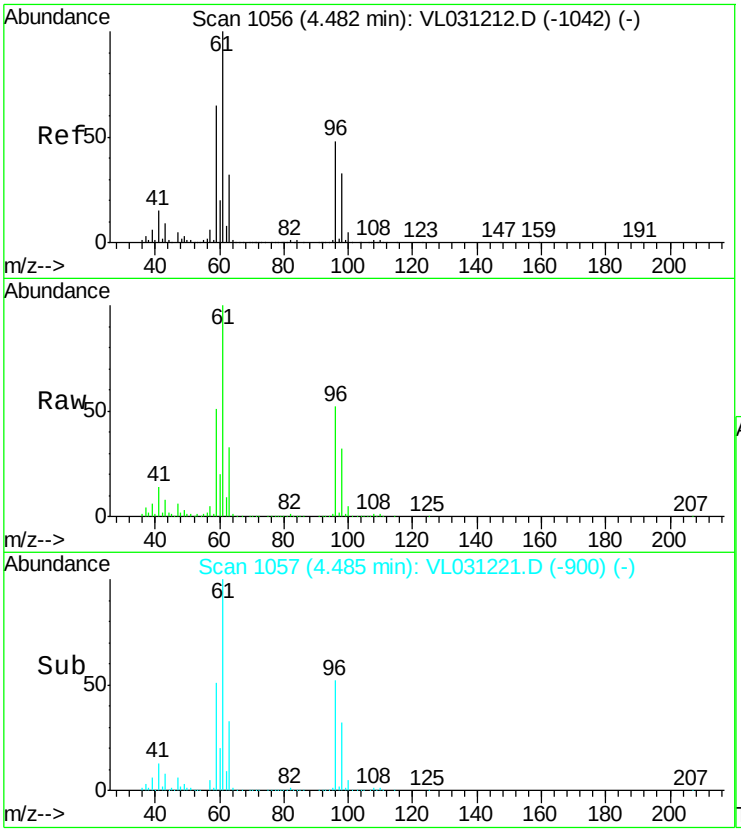


#16
1,3-Butadiene
Concen: 8.82 ppbv
RT: 3.47 min Scan# 742
Delta R.T. 0.00 min
Lab File: VL031221.D
Acq: 14 Dec 2017 5:31

Tgt Ion: 39 Resp: 822754

Ion	Ratio	Lower	Upper
39	100		
54	85.9	66.4	99.6



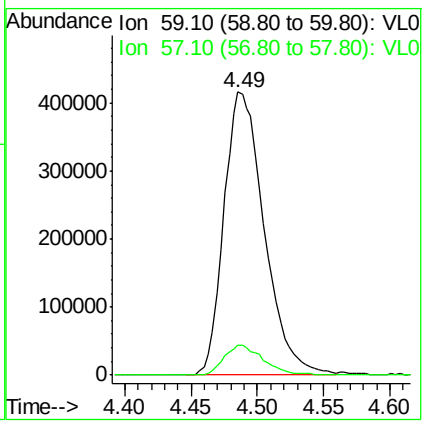


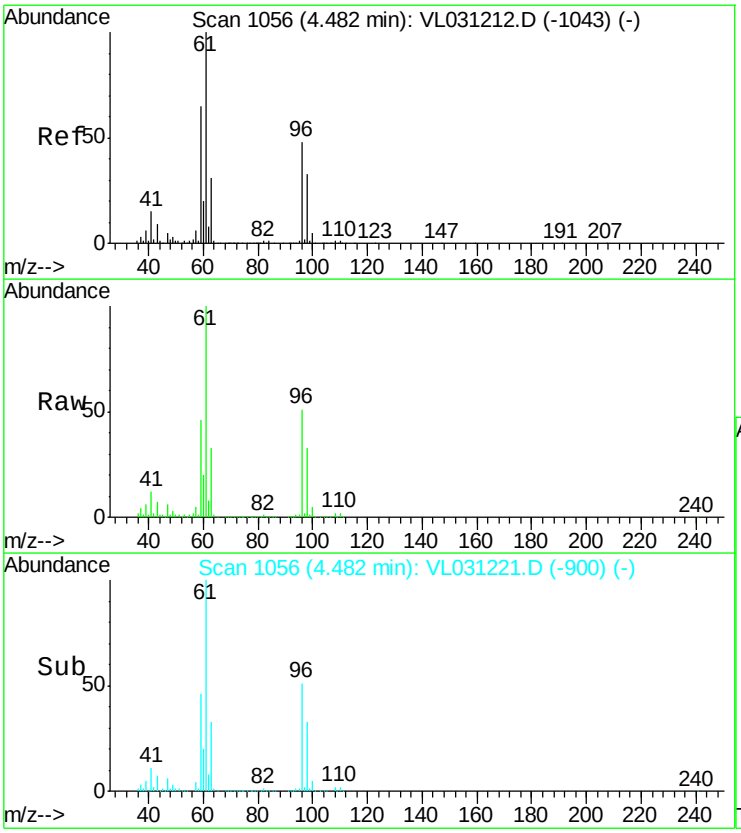
#17
tert-Butyl alcohol
Concen: 7.20 ppbv
RT: 4.49 min Scan# 1057
Delta R.T. 0.00 min
Lab File: VL031221.D
Acq: 14 Dec 2017 5:31

Instrument : MSVOA_L
ClientSampleId : VL1213ABS01

Tgt Ion: 59 Resp: 875421

Ion	Ratio	Lower	Upper
59	100		
57	10.5	8.2	12.2

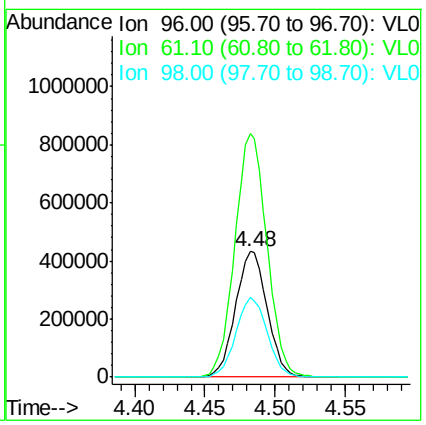


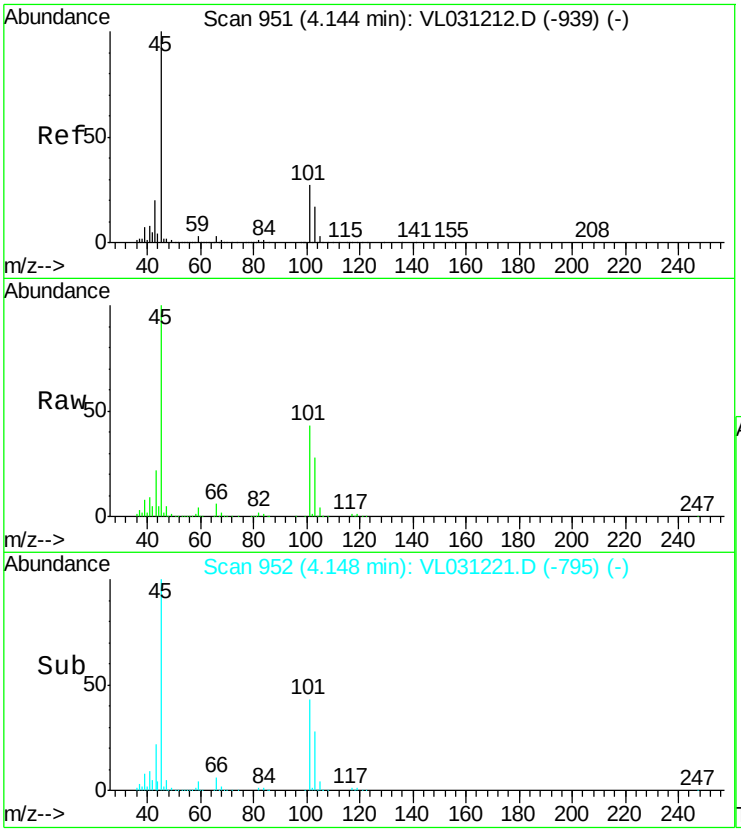


#18
1,1-Dichloroethene
Concen: 9.53 ppbv
RT: 4.48 min Scan# 1056
Delta R.T. 0.00 min
Lab File: VL031221.D
Acq: 14 Dec 2017 5:31

Tgt Ion: 96 Resp: 681929

Ion	Ratio	Lower	Upper
96	100		
61	194.2	166.8	250.2
98	63.9	55.0	82.6



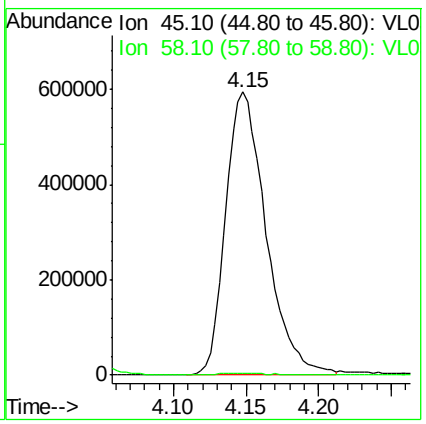


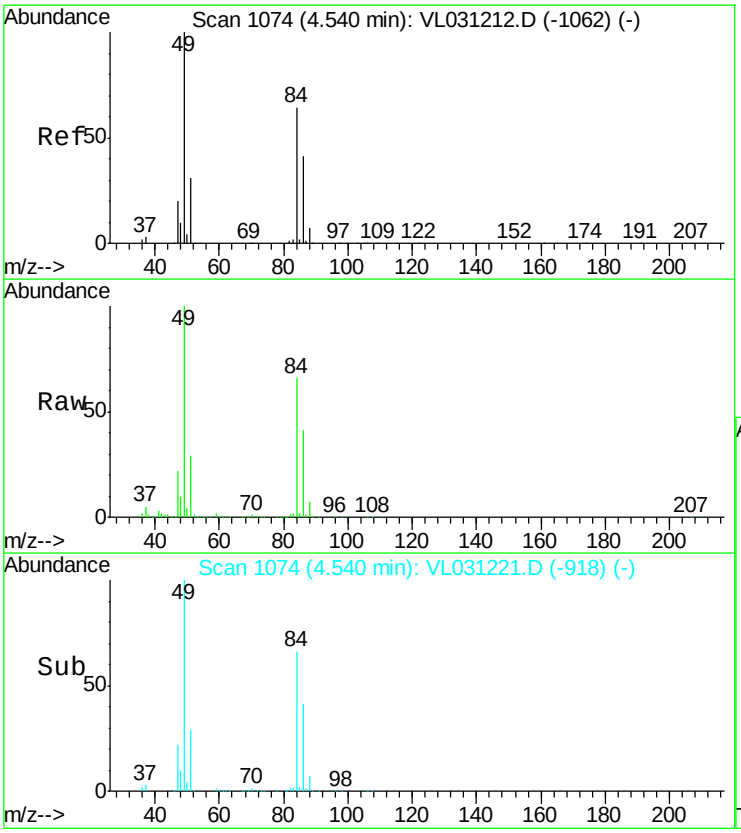
#19
Isopropyl Alcohol
Concen: 8.36 ppbv
RT: 4.15 min Scan# 952
Delta R.T. 0.00 min
Lab File: VL031221.D
Acq: 14 Dec 2017 5:31

Instrument : MSVOA_L
ClientSampleId : VL1213ABS01

Tgt Ion: 45 Resp: 1146207

Ion	Ratio	Lower	Upper
45	100		
58	42.4	27.2	40.8#

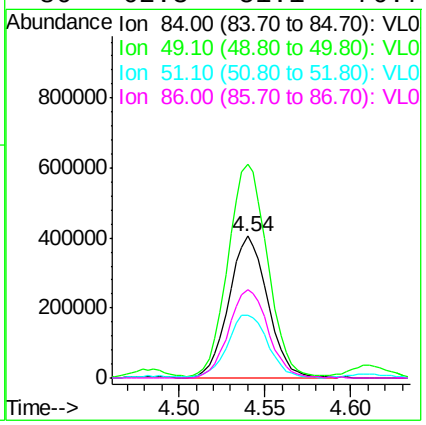


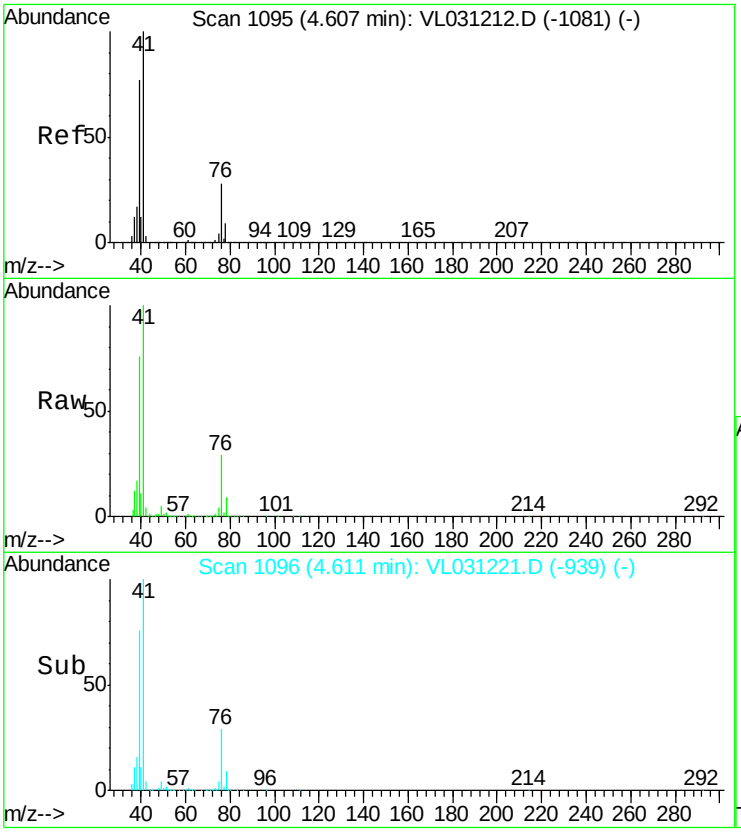


#20
Methylene Chloride
Concen: 8.79 ppbv
RT: 4.54 min Scan# 1074
Delta R.T. 0.00 min
Lab File: VL031221.D
Acq: 14 Dec 2017 5:31

Tgt Ion: 84 Resp: 630601

Ion	Ratio	Lower	Upper
84	100		
49	150.4	125.8	188.6
51	43.9	39.3	58.9
86	62.3	51.1	76.7



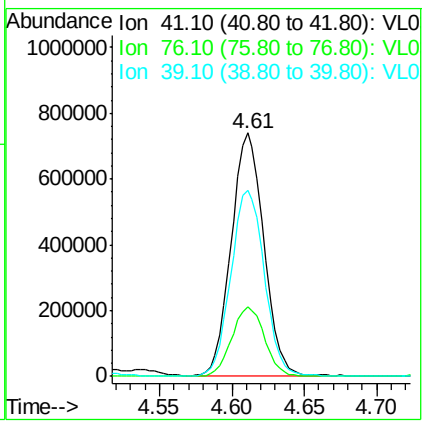


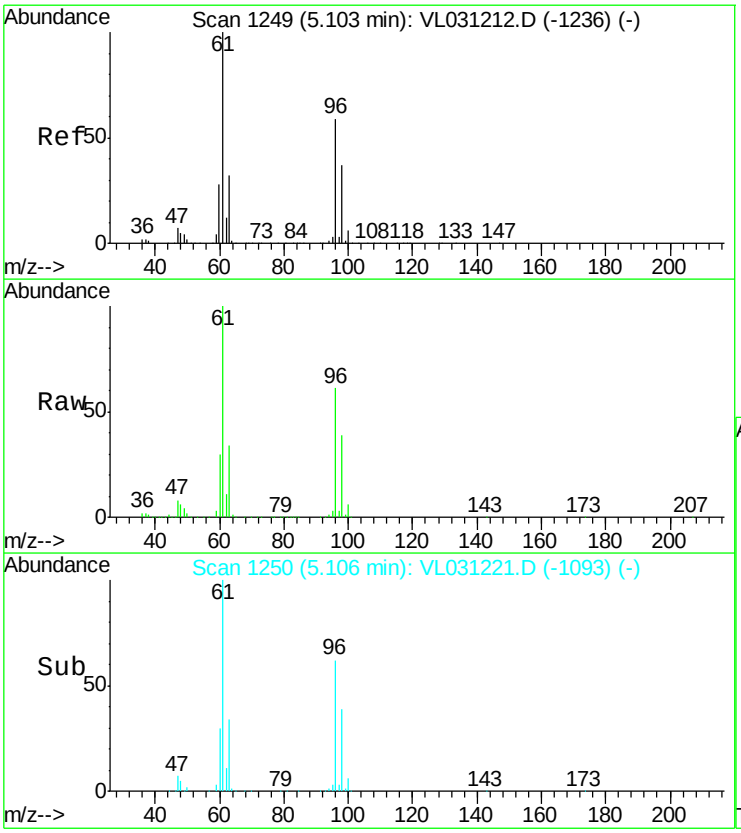
#21
Allyl Chloride
Concen: 9.01 ppbv
RT: 4.61 min Scan# 1096
Delta R.T. 0.00 min
Lab File: VL031221.D
Acq: 14 Dec 2017 5:31

Instrument : MSVOA_L
ClientSampleId : VL1213ABS01

Tgt Ion: 41 Resp: 1149226

Ion	Ratio	Lower	Upper
41	100		
76	29.1	22.9	34.3
39	78.8	62.6	93.8

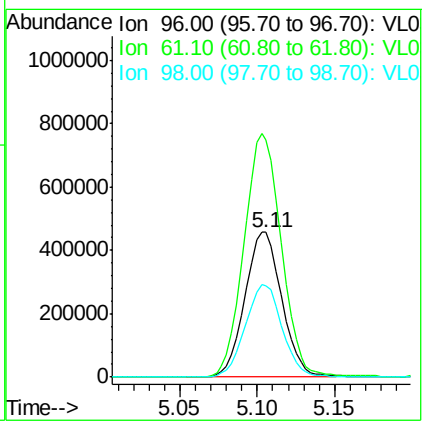


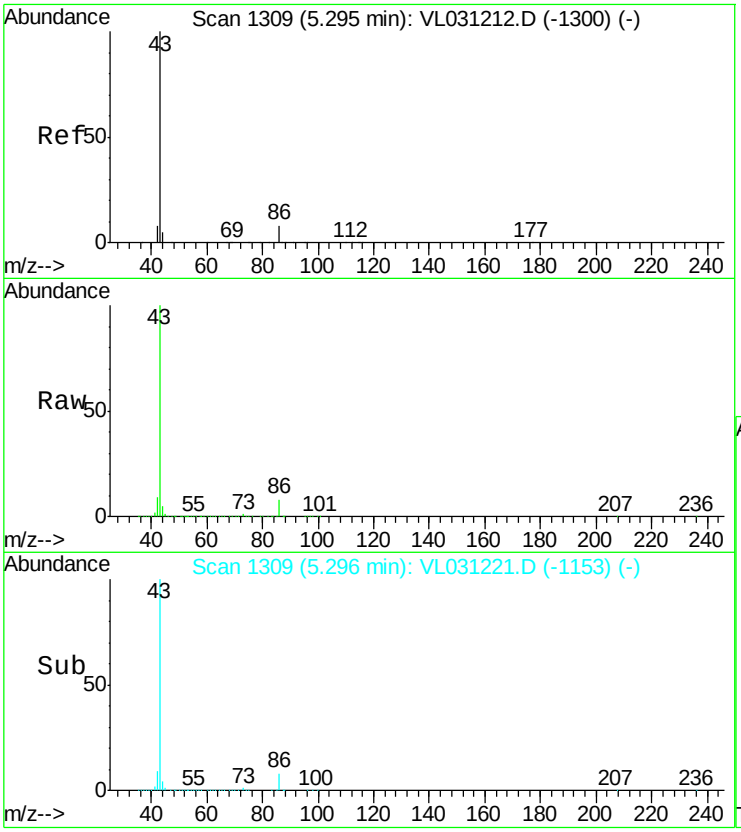


#22
trans-1,2-Dichloroethene
Concen: 8.64 ppbv
RT: 5.11 min Scan# 1250
Delta R.T. 0.00 min
Lab File: VL031221.D
Acq: 14 Dec 2017 5:31

Tgt Ion: 96 Resp: 760083

Ion	Ratio	Lower	Upper
96	100		
61	163.6	135.0	202.4
98	63.1	50.5	75.7



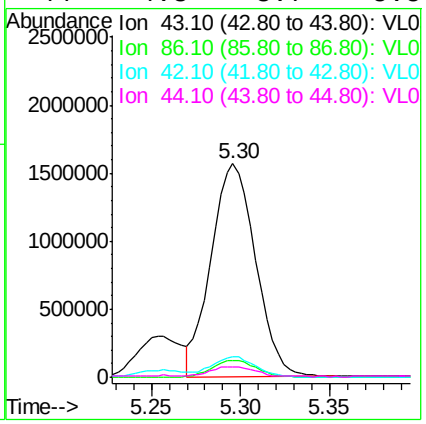


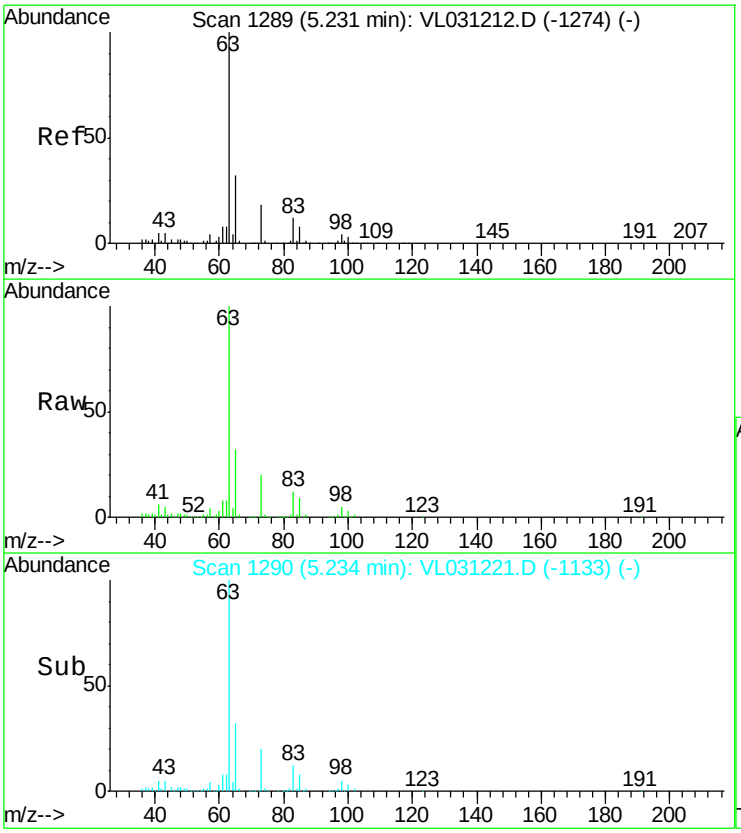
#23
Vinyl Acetate
Concen: 7.75 ppbv
RT: 5.30 min Scan# 1309
Delta R.T. 0.00 min
Lab File: VL031221.D
Acq: 14 Dec 2017 5:31

Instrument : MSVOA_L
ClientSampleId : VL1213ABS01

Tgt Ion: 43 Resp: 2705503

Ion	Ratio	Lower	Upper
43	100		
86	7.8	5.9	8.9
42	9.4	7.3	10.9
44	4.8	3.7	5.5

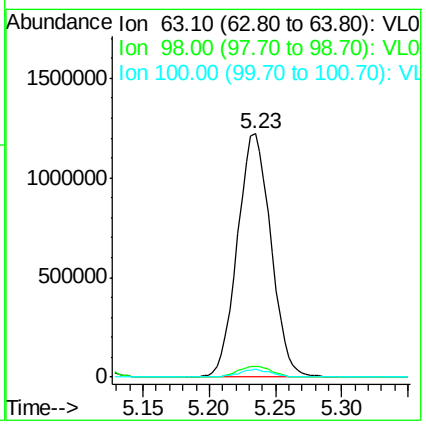


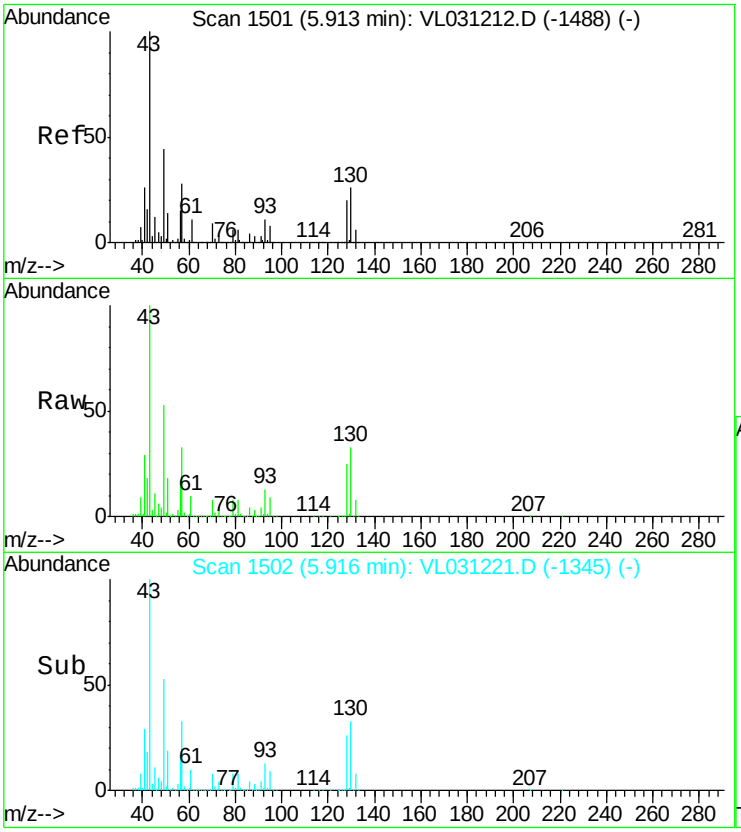


#24
1,1-Dichloroethane
Concen: 8.46 ppbv
RT: 5.23 min Scan# 1290
Delta R.T. 0.00 min
Lab File: VL031221.D
Acq: 14 Dec 2017 5:31

Tgt Ion: 63 Resp: 2144831

Ion	Ratio	Lower	Upper
63	100		
98	4.6	2.3	6.8
100	3.1	1.4	4.2



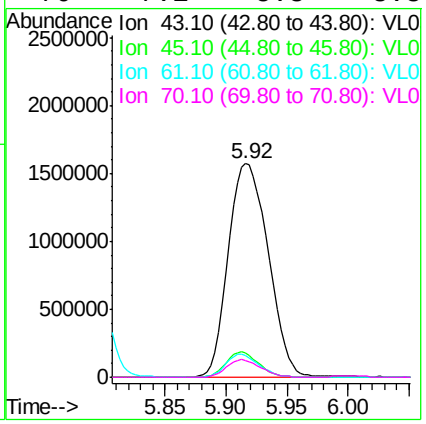


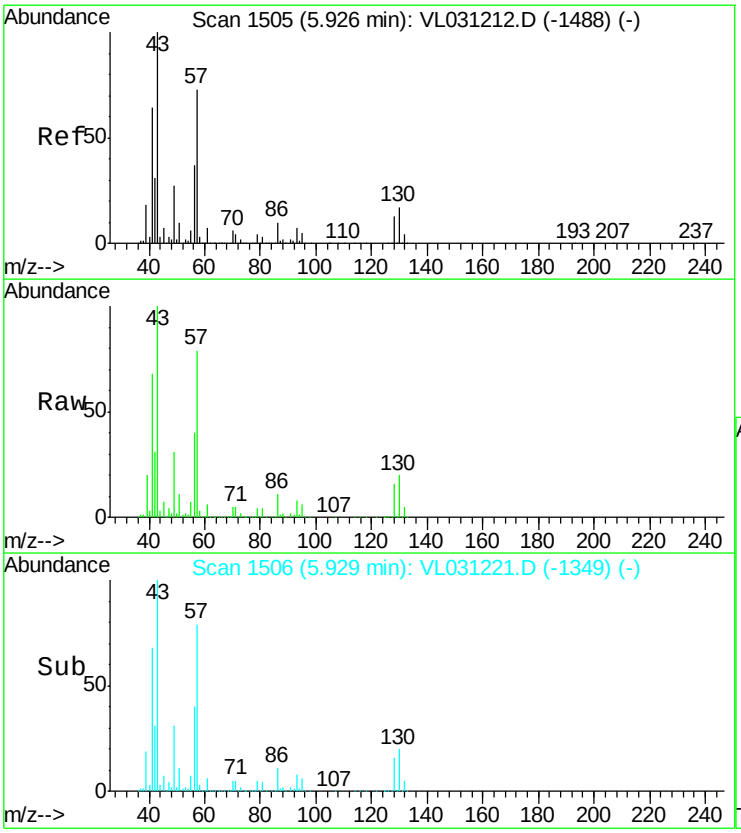
#25
Ethyl Acetate
Concen: 8.07 ppbv
RT: 5.92 min Scan# 1502
Delta R.T. 0.00 min
Lab File: VL031221.D
Acq: 14 Dec 2017 5:31

Instrument : MSVOA_L
ClientSampleId : VL1213ABS01

Tgt Ion: 43 Resp: 3572332

Ion	Ratio	Lower	Upper
43	100		
45	9.7	8.0	12.0
61	9.1	7.4	11.0
70	7.1	5.8	8.8

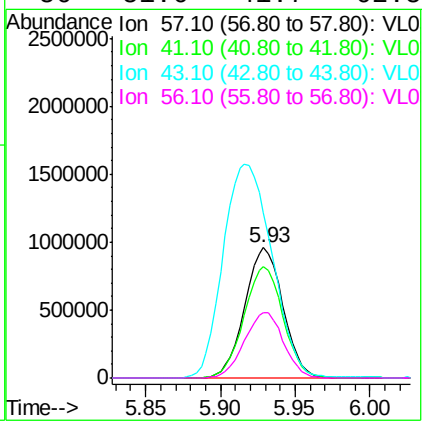


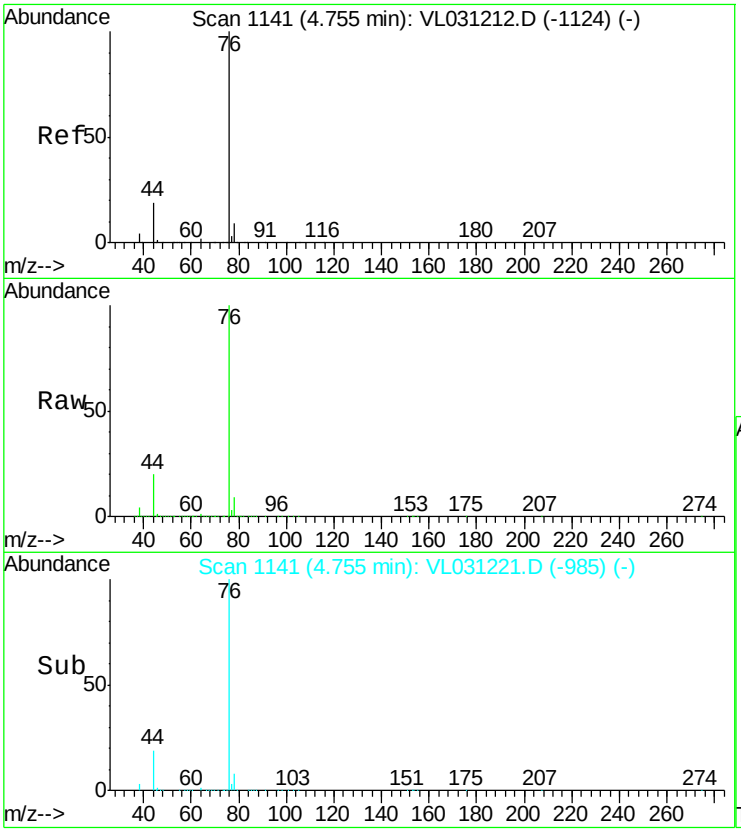


#26
Hexane
Concen: 8.12 ppbv
RT: 5.93 min Scan# 1506
Delta R.T. 0.00 min
Lab File: VL031221.D
Acq: 14 Dec 2017 5:31

Tgt Ion: 57 Resp: 1705307

Ion	Ratio	Lower	Upper
57	100		
41	87.6	70.3	105.5
43	210.5	173.8	260.8
56	51.6	41.7	62.5



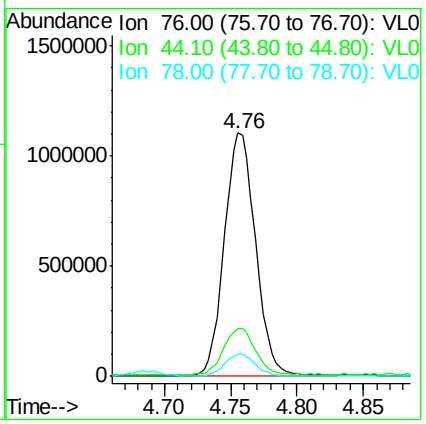


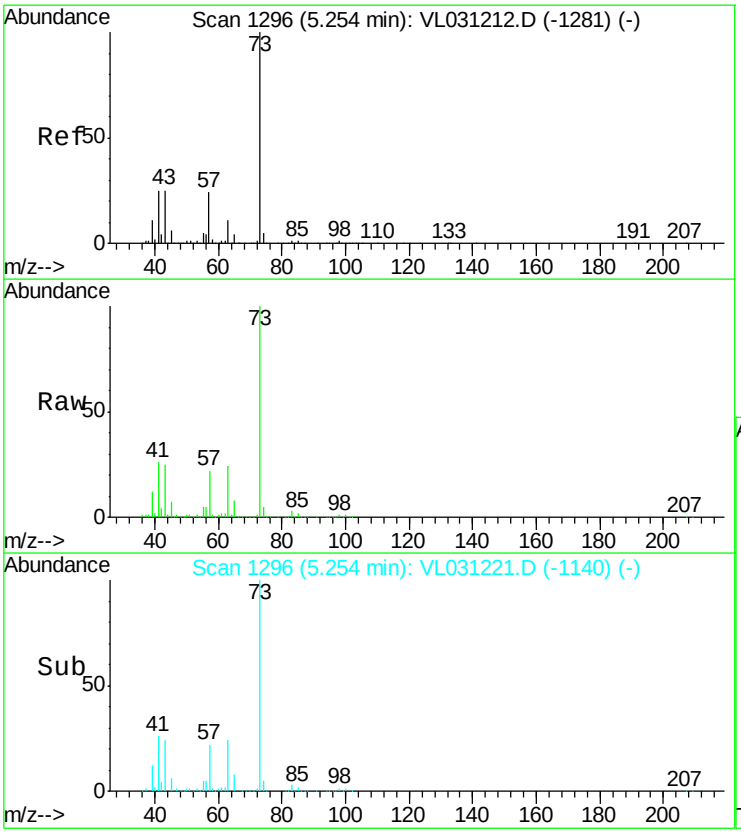
#27
Carbon Disulfide
Concen: 8.61 ppbv
RT: 4.76 min Scan# 1141
Delta R.T. 0.00 min
Lab File: VL031221.D
Acq: 14 Dec 2017 5:31

Instrument :
MSVOA_L
ClientSampleId :
VL1213ABS01

Tgt Ion: 76 Resp: 1811365

Ion	Ratio	Lower	Upper
76	100		
44	19.0	16.0	24.0
78	9.2	7.5	11.3

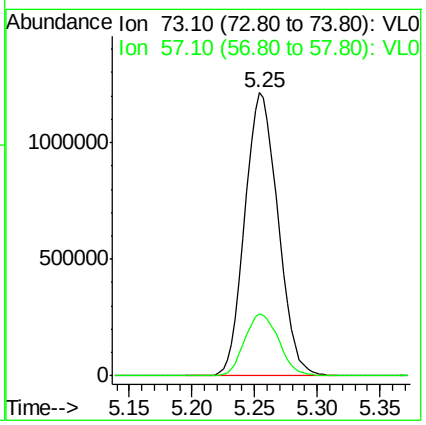


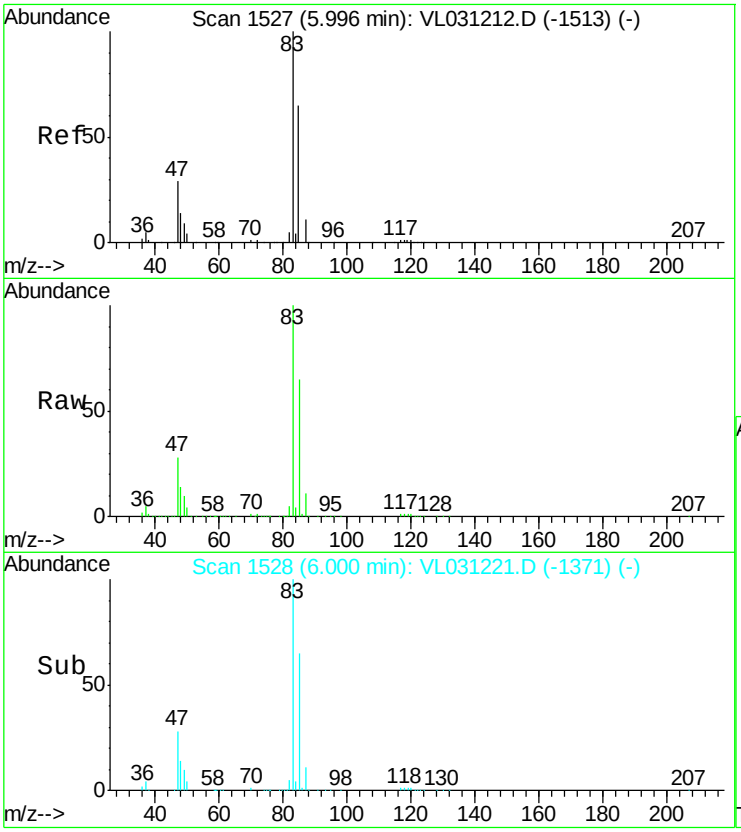


#28
Methyl tert-Butyl Ether
Concen: 8.09 ppbv
RT: 5.25 min Scan# 1296
Delta R.T. 0.00 min
Lab File: VL031221.D
Acq: 14 Dec 2017 5:31

Tgt Ion: 73 Resp: 2221932

Ion	Ratio	Lower	Upper
73	100		
57	22.7	18.5	27.7



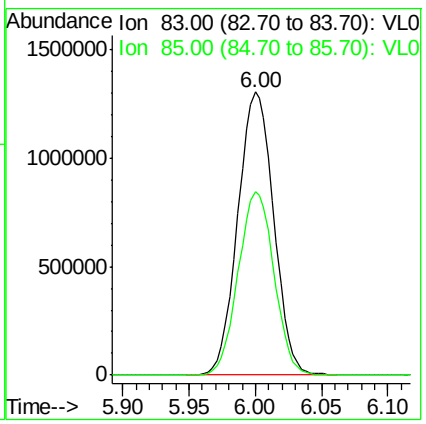


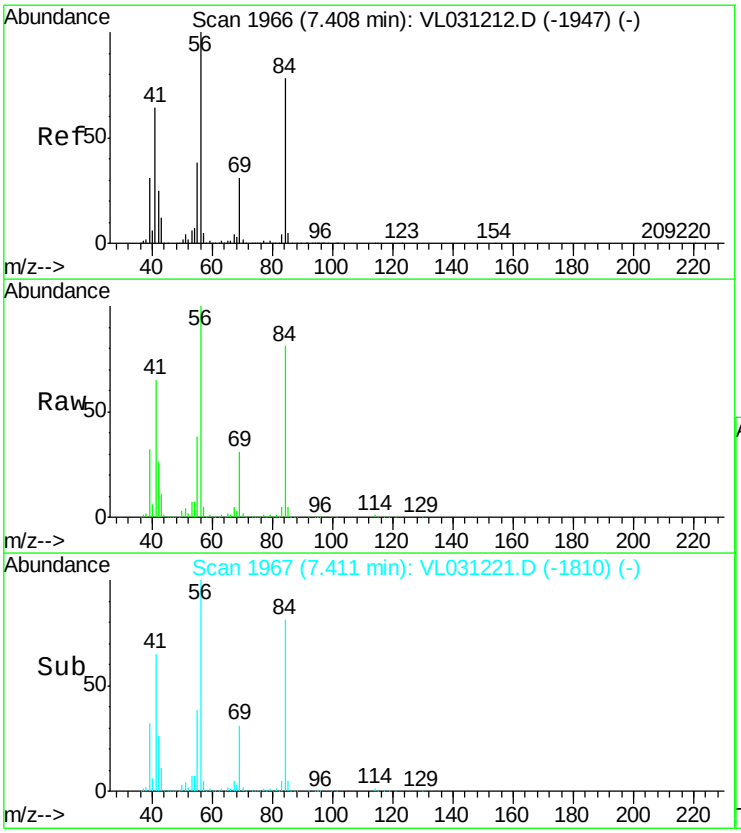
#29
Chloroform
Concen: 8.65 ppbv
RT: 6.00 min Scan# 1528
Delta R.T. 0.00 min
Lab File: VL031221.D
Acq: 14 Dec 2017 5:31

Instrument :
MSVOA_L
ClientSampleId :
VL1213ABS01

Tgt Ion: 83 Resp: 2453002

Ion	Ratio	Lower	Upper
83	100		
85	64.7	51.8	77.6

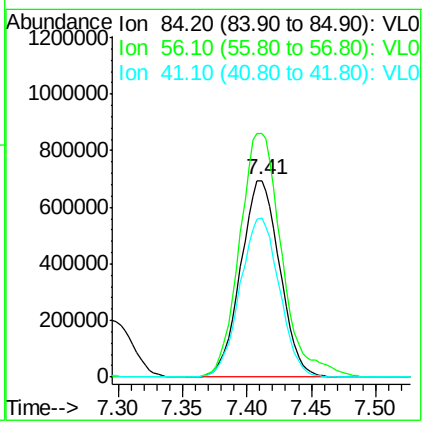


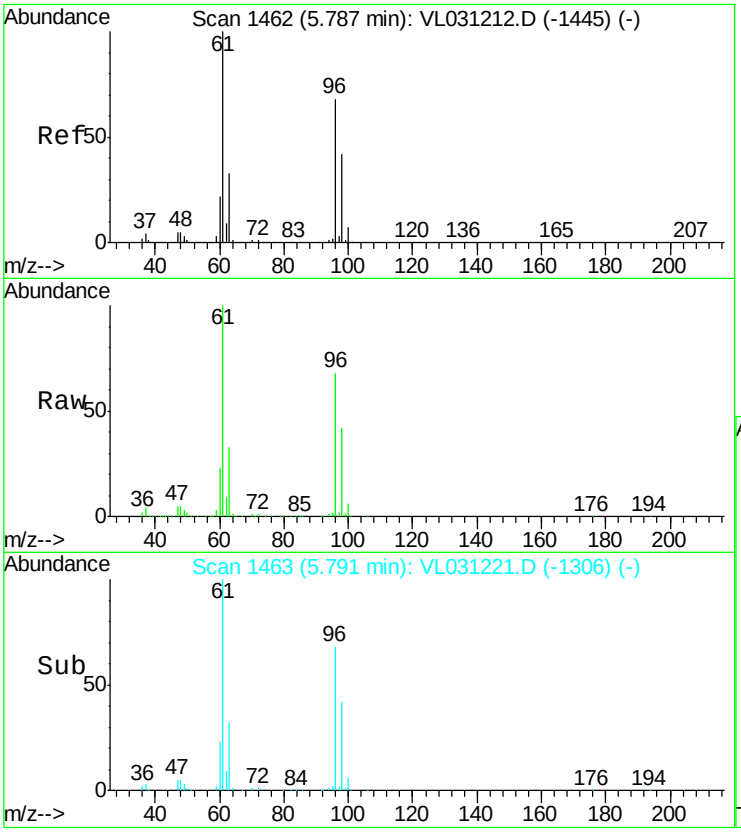


#30
Cyclohexane
Concen: 7.91 ppbv
RT: 7.41 min Scan# 1967
Delta R.T. 0.00 min
Lab File: VL031221.D
Acq: 14 Dec 2017 5:31

Tgt Ion: 84 Resp: 1463431

Ion	Ratio	Lower	Upper
84	100		
56	134.3	108.0	162.0
41	81.8	66.2	99.4



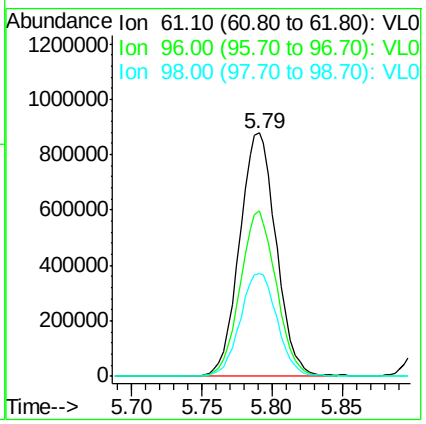


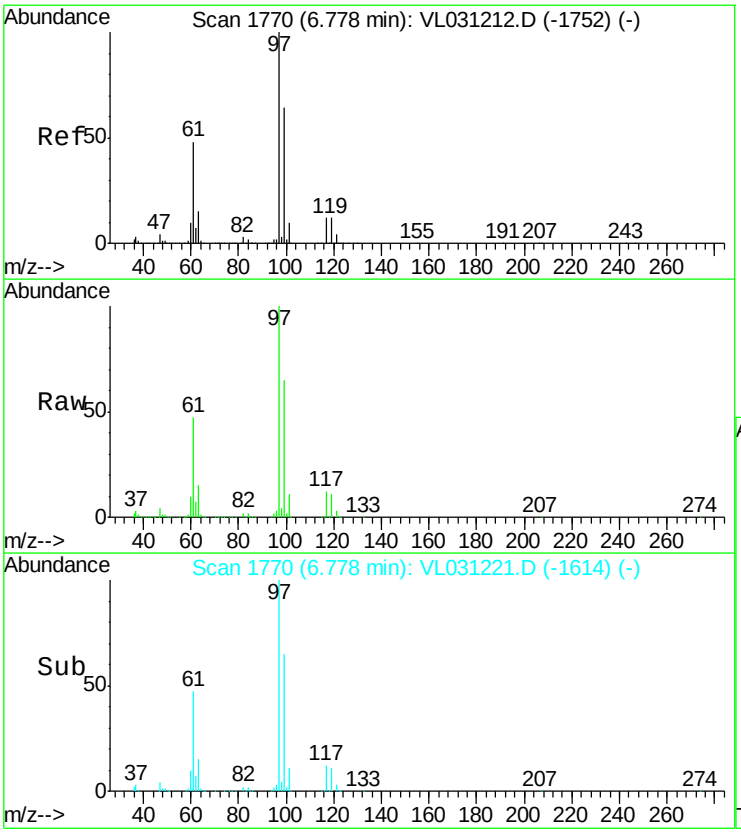
#31
cis-1,2-Dichloroethene
Concen: 8.37 ppbv
RT: 5.79 min Scan# 1463
Delta R.T. 0.00 min
Lab File: VL031221.D
Acq: 14 Dec 2017 5:31

Instrument :
MSVOA_L
ClientSampleId :
VL1213ABS01

Tgt Ion: 61 Resp: 1594740

Ion	Ratio	Lower	Upper
61	100		
96	68.0	54.4	81.6
98	42.4	33.6	50.4

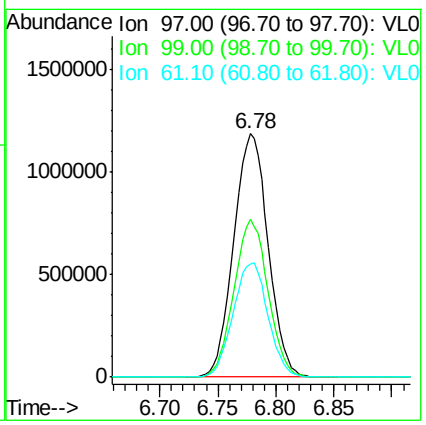


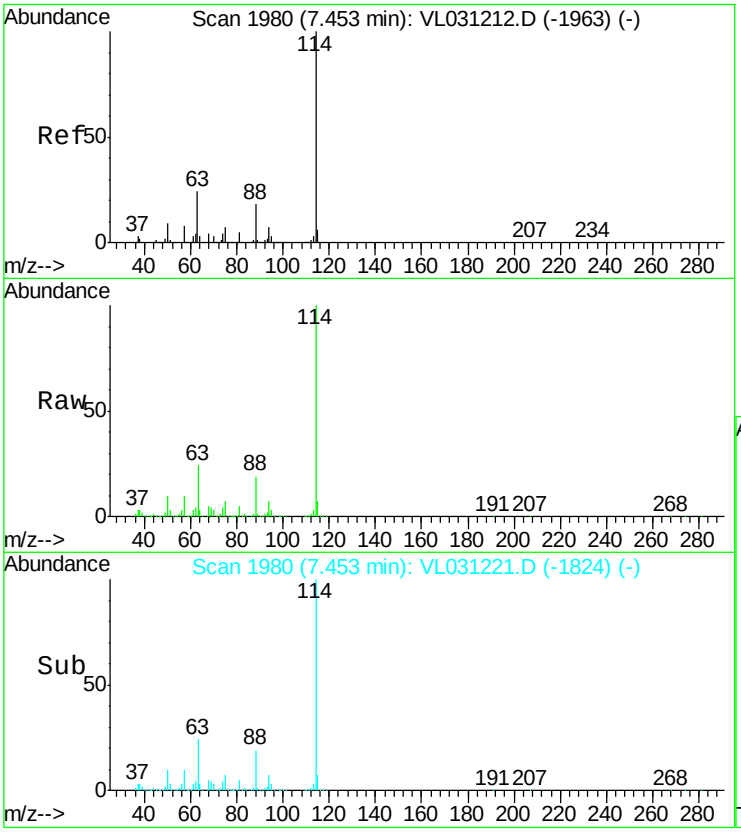


#32
1,1,1-Trichloroethane
Concen: 8.04 ppbv
RT: 6.78 min Scan# 1770
Delta R.T. 0.00 min
Lab File: VL031221.D
Acq: 14 Dec 2017 5:31

Tgt Ion: 97 Resp: 2437649

Ion	Ratio	Lower	Upper
97	100		
99	64.2	51.4	77.0
61	47.6	38.4	57.6



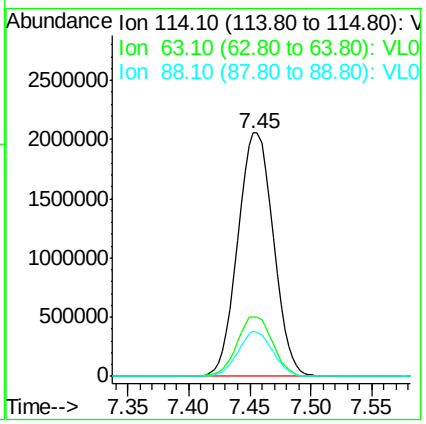


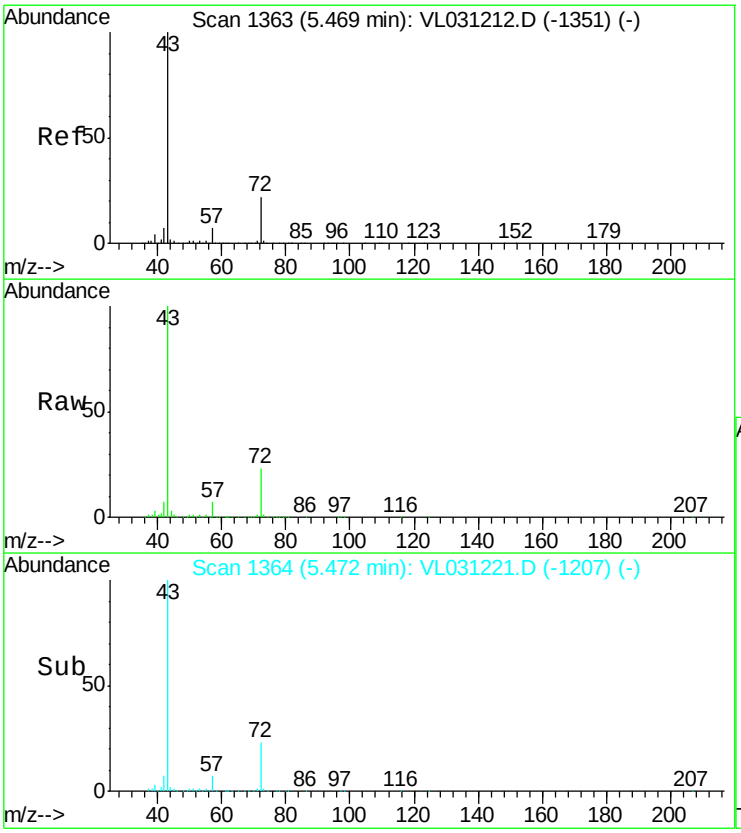
#33
1,4-Difluorobenzene
Concen: 10.00 ppbv
RT: 7.45 min Scan# 1980
Delta R.T. 0.00 min
Lab File: VL031221.D
Acq: 14 Dec 2017 5:31

Instrument :
MSVOA_L
ClientSampleId :
VL1213ABS01

Tgt Ion:114 Resp: 4145947

Ion	Ratio	Lower	Upper
114	100		
63	24.5	19.8	29.8
88	17.9	14.2	21.4

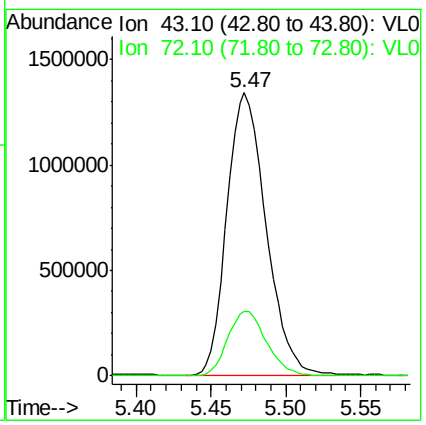


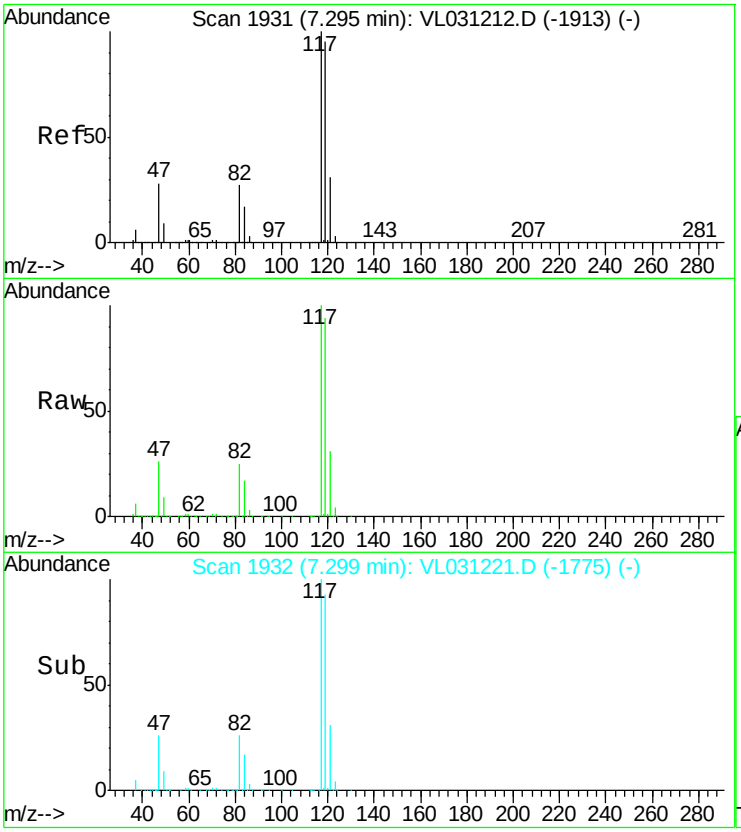


#34
2-Butanone
Concen: 8.35 ppbv
RT: 5.47 min Scan# 1364
Delta R.T. 0.00 min
Lab File: VL031221.D
Acq: 14 Dec 2017 5:31

Tgt Ion: 43 Resp: 2445624

Ion	Ratio	Lower	Upper
43	100		
72	22.8	18.1	27.1



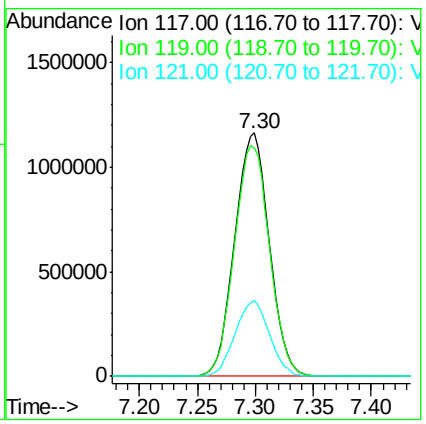


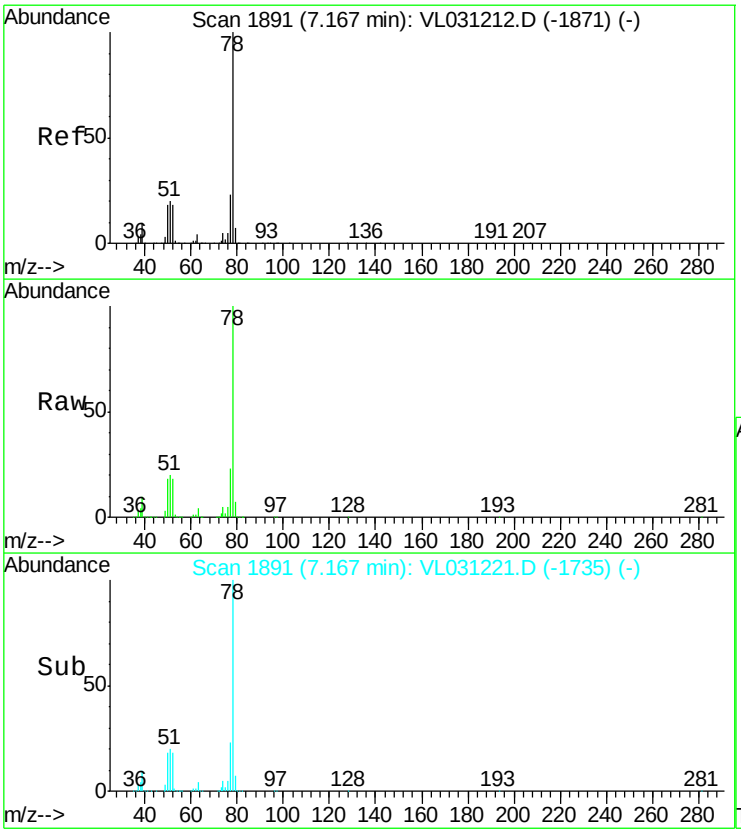
#35
Carbon Tetrachloride
Concen: 8.14 ppbv
RT: 7.30 min Scan# 1932
Delta R.T. 0.00 min
Lab File: VL031221.D
Acq: 14 Dec 2017 5:31

Instrument :
MSVOA_L
ClientSampleId :
VL1213ABS01

Tgt Ion:117 Resp: 2416931

Ion	Ratio	Lower	Upper
117	100		
119	93.7	75.9	113.9
121	31.0	24.6	37.0

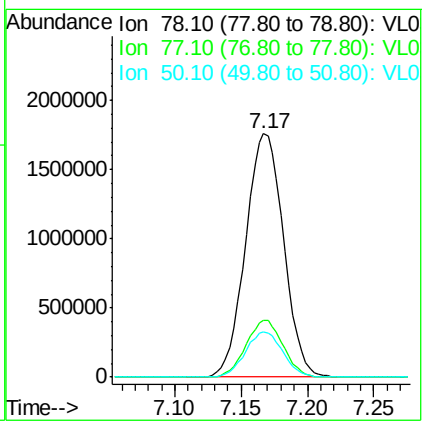


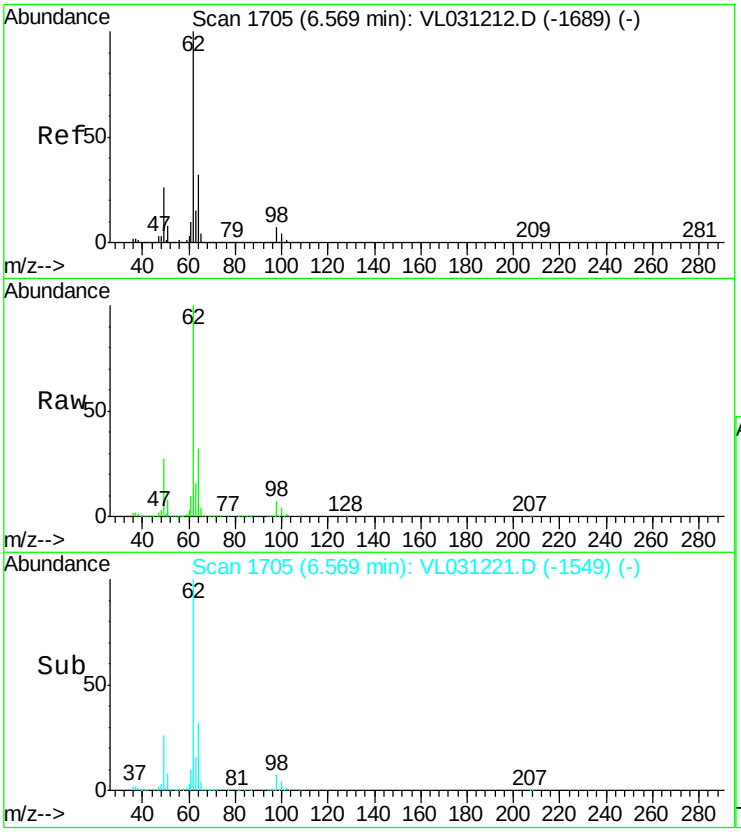


#36
Benzene
Concen: 8.00 ppbv
RT: 7.17 min Scan# 1891
Delta R.T. 0.00 min
Lab File: VL031221.D
Acq: 14 Dec 2017 5:31

Tgt Ion: 78 Resp: 3516492

Ion	Ratio	Lower	Upper
78	100		
77	23.4	18.1	27.1
50	18.4	14.6	21.8



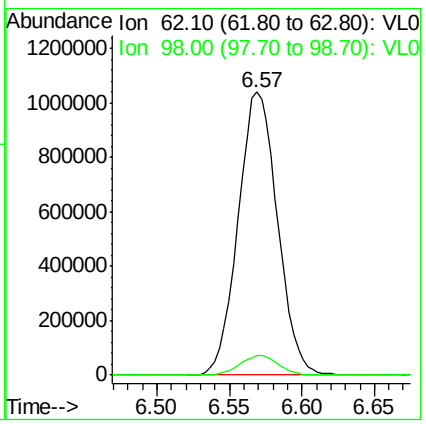


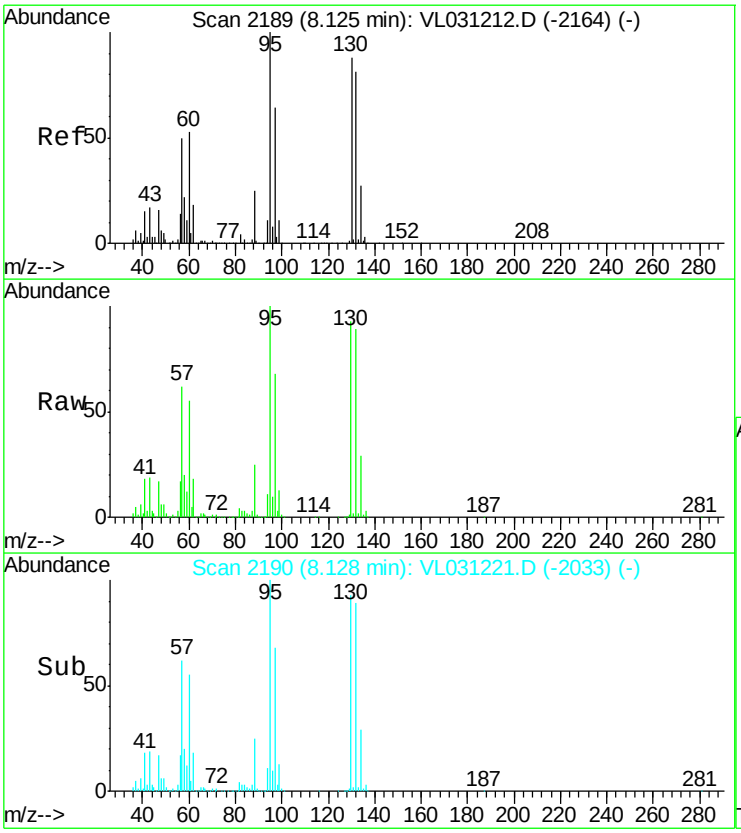
#37
1,2-Dichloroethane
Concen: 8.10 ppbv
RT: 6.57 min Scan# 1705
Delta R.T. 0.00 min
Lab File: VL031221.D
Acq: 14 Dec 2017 5:31

Instrument :
MSVOA_L
ClientSampleId :
VL1213ABS01

Tgt Ion: 62 Resp: 1964481

Ion	Ratio	Lower	Upper
62	100		
98	6.9	5.4	8.2

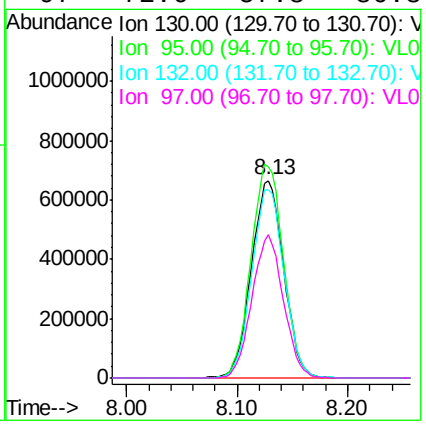


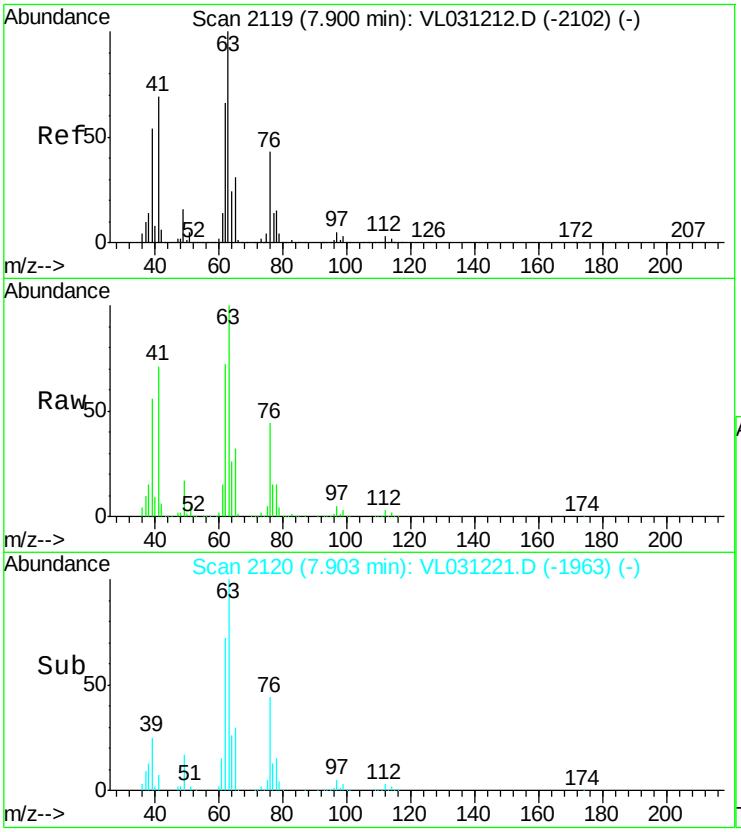


#38
Trichloroethene
Concen: 7.88 ppbv
RT: 8.13 min Scan# 2190
Delta R.T. 0.00 min
Lab File: VL031221.D
Acq: 14 Dec 2017 5:31

Tgt Ion:130 Resp: 1351134

Ion	Ratio	Lower	Upper
130	100		
95	107.2	90.6	135.8
132	95.6	73.5	110.3
97	72.6	57.8	86.8



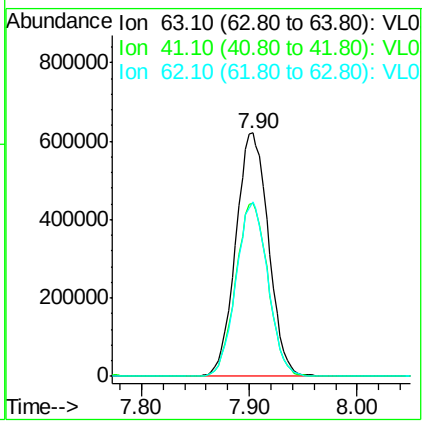


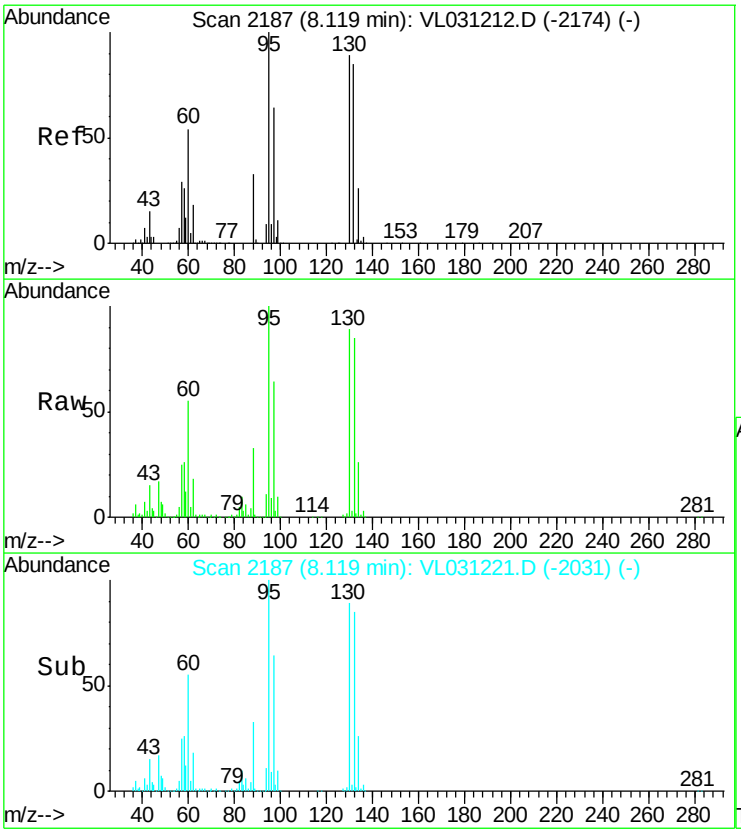
#39
1,2-Dichloropropane
Concen: 8.44 ppbv
RT: 7.90 min Scan# 2120
Delta R.T. 0.00 min
Lab File: VL031221.D
Acq: 14 Dec 2017 5:31

Instrument :
MSVOA_L
ClientSampleId :
VL1213ABS01

Tgt Ion: 63 Resp: 1310563

Ion	Ratio	Lower	Upper
63	100		
41	71.2	55.2	82.8
62	71.7	53.0	79.4

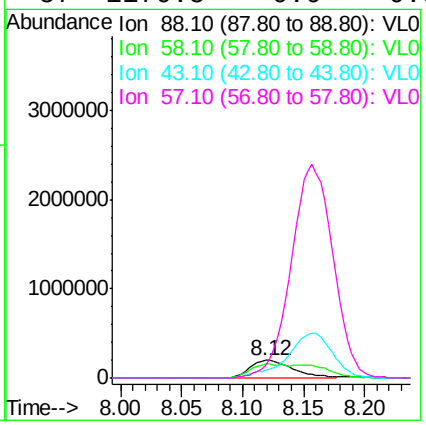


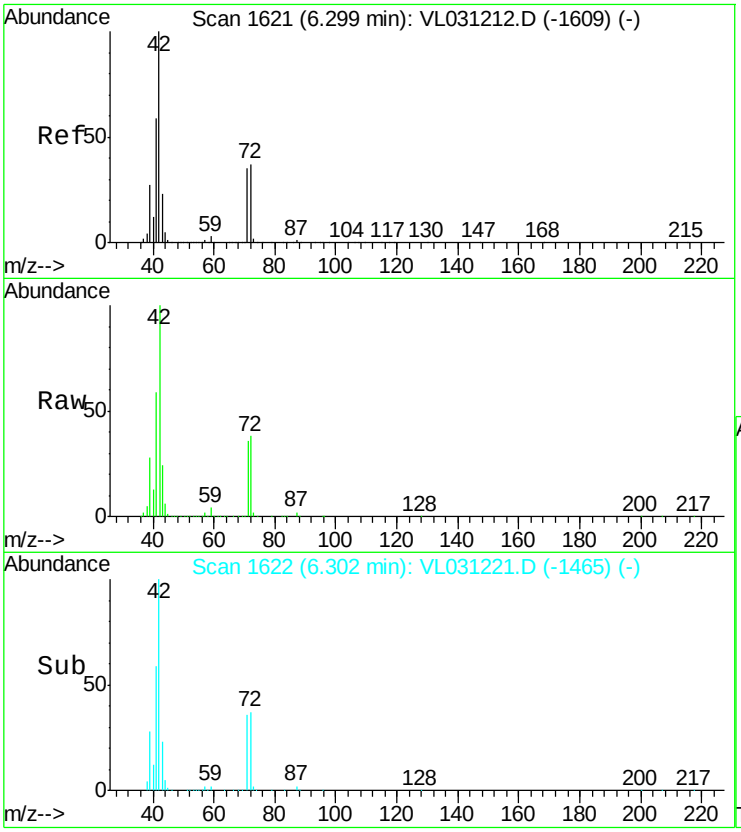


#40
1,4-Dioxane
Concen: 8.67 ppbv
RT: 8.12 min Scan# 2187
Delta R.T. 0.00 min
Lab File: VL031221.D
Acq: 14 Dec 2017 5:31

Tgt Ion: 88 Resp: 486386

Ion	Ratio	Lower	Upper
88	100		
58	130.9	104.3	156.5
43	265.8	0.0	0.0#
57	1170.5	0.0	0.0#



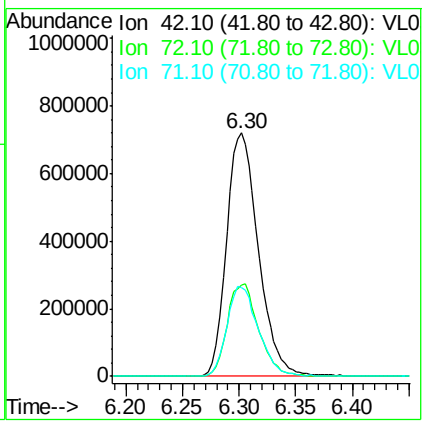


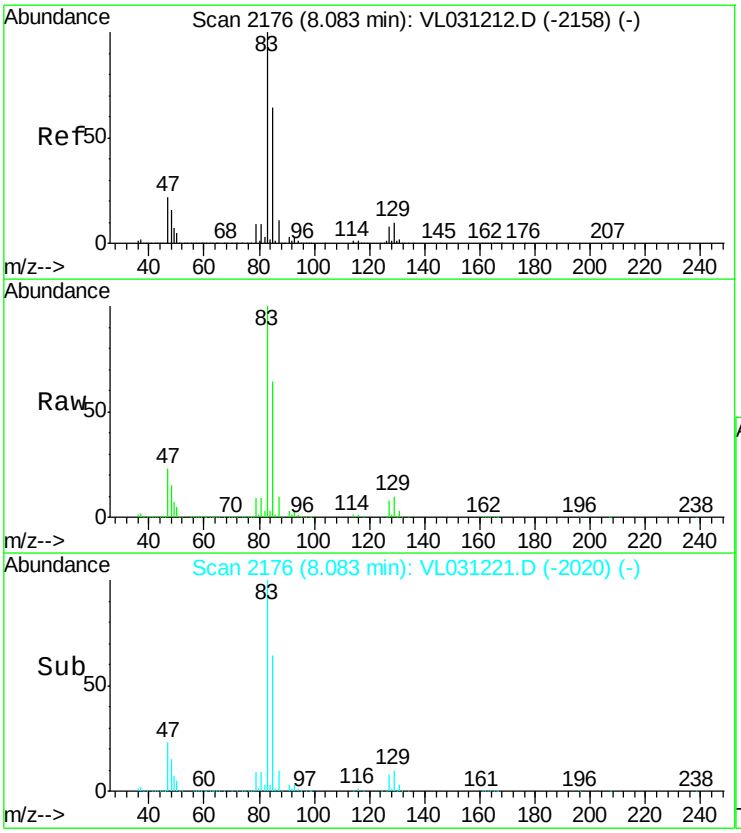
#41
Tetrahydrofuran
Concen: 8.56 ppbv
RT: 6.30 min Scan# 1622
Delta R.T. 0.00 min
Lab File: VL031221.D
Acq: 14 Dec 2017 5:31

Instrument : MSVOA_L
ClientSampleId : VL1213ABS01

Tgt Ion: 42 Resp: 1409585

Ion	Ratio	Lower	Upper
42	100		
72	37.9	30.2	45.4
71	36.9	29.0	43.6

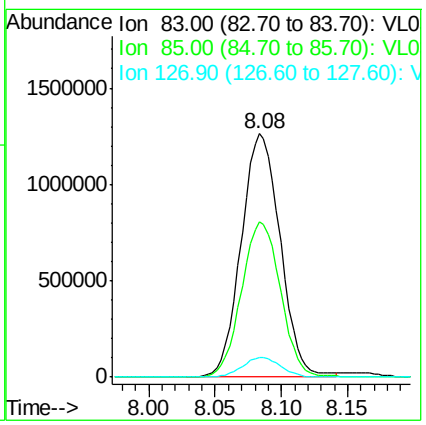


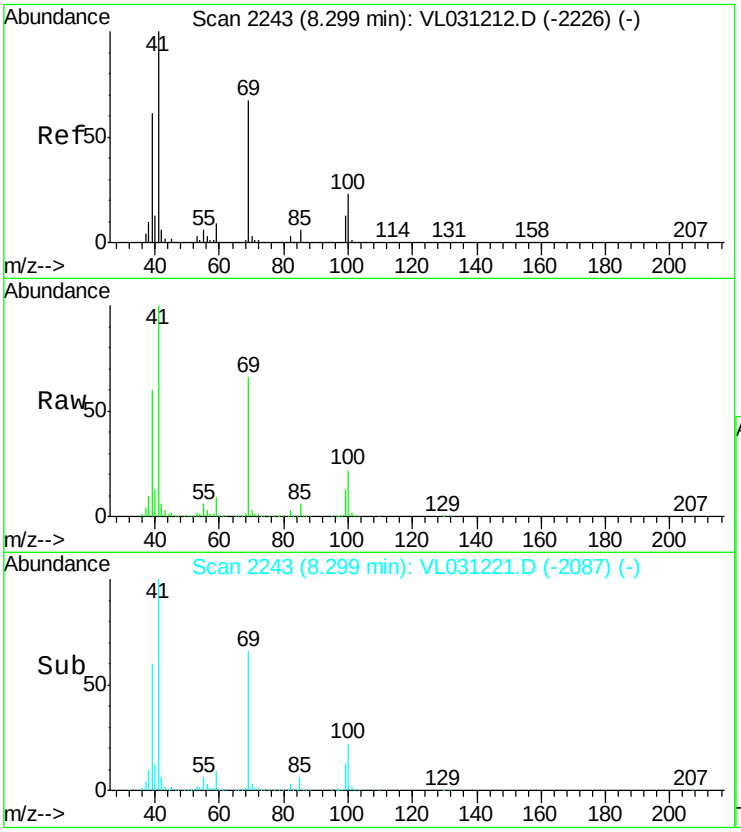


#42
Bromodichloromethane
Concen: 9.04 ppbv
RT: 8.08 min Scan# 2176
Delta R.T. 0.00 min
Lab File: VL031221.D
Acq: 14 Dec 2017 5:31

Tgt Ion: 83 Resp: 2581732

Ion	Ratio	Lower	Upper
83	100		
85	63.8	51.5	77.3
127	8.0	6.5	9.7



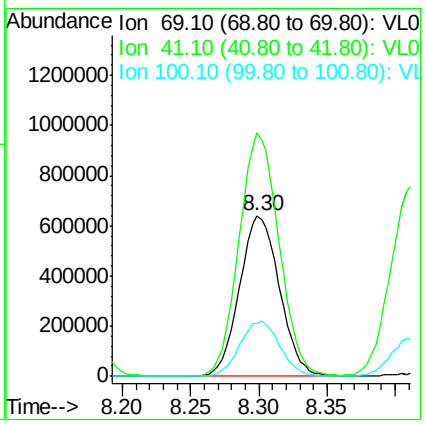


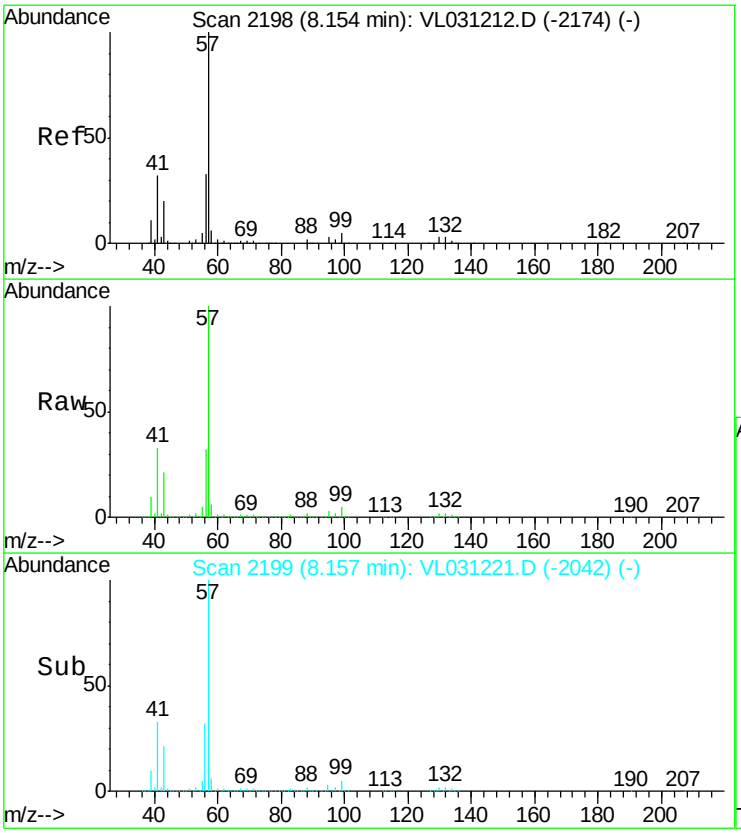
#43
Methyl Methacrylate
Concen: 8.84 ppbv
RT: 8.30 min Scan# 2243
Delta R.T. 0.00 min
Lab File: VL031221.D
Acq: 14 Dec 2017 5:31

Instrument :
MSVOA_L
ClientSampleId :
VL1213ABS01

Tgt Ion: 69 Resp: 1301339

Ion	Ratio	Lower	Upper
69	100		
41	151.0	121.1	181.7
100	34.5	27.4	41.2

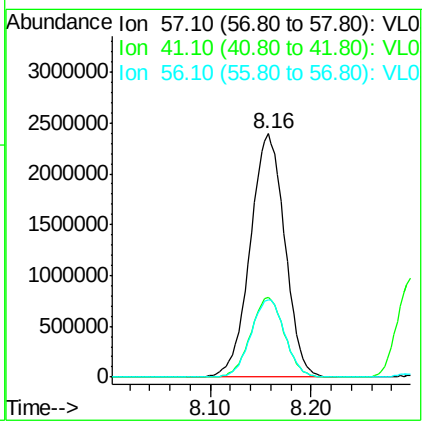


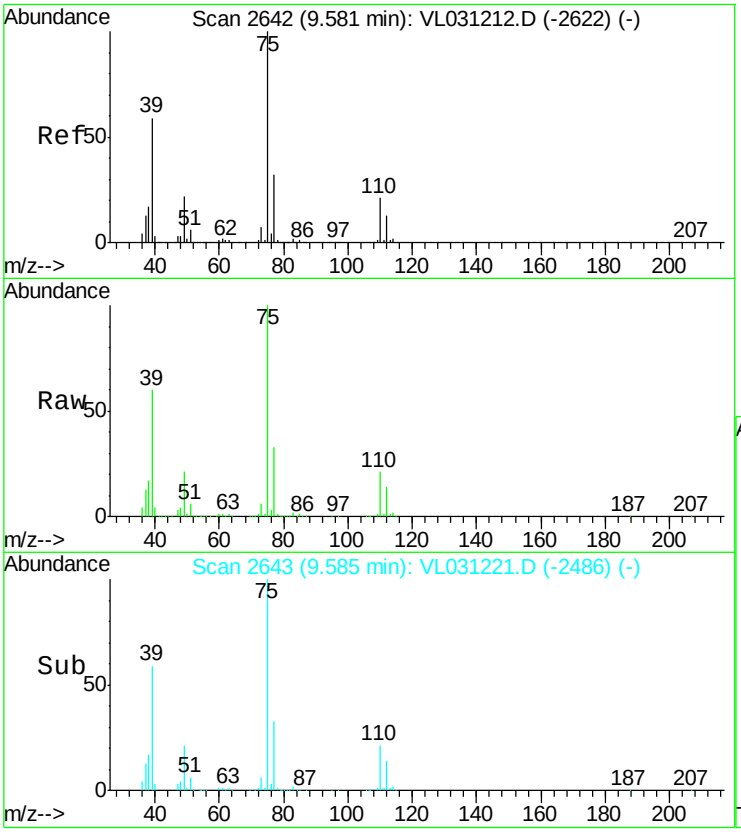


#44
2,2,4-Trimethylpentane
Concen: 8.57 ppbv
RT: 8.16 min Scan# 2199
Delta R.T. 0.00 min
Lab File: VL031221.D
Acq: 14 Dec 2017 5:31

Tgt Ion: 57 Resp: 5686583

Ion	Ratio	Lower	Upper
57	100		
41	31.7	25.5	38.3
56	31.3	25.0	37.6



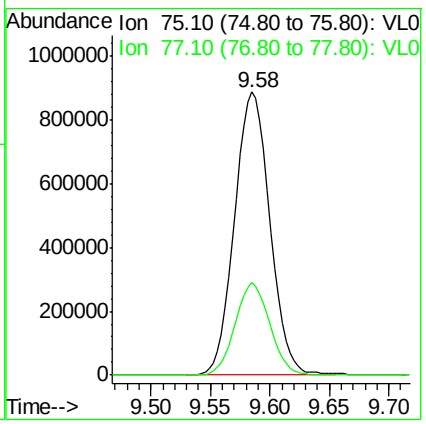


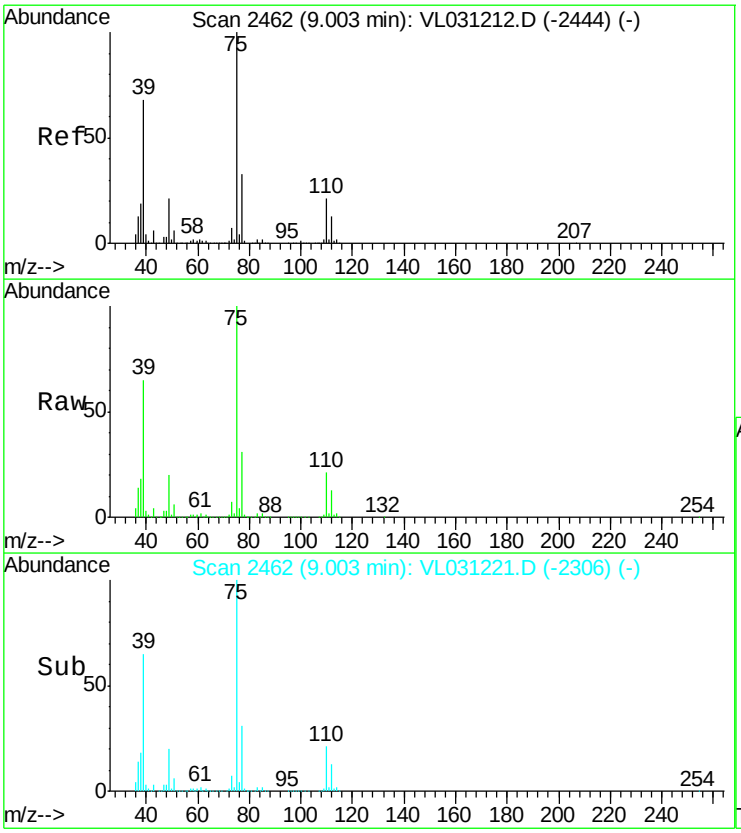
#45
t-1,3-Dichloropropene
Concen: 9.07 ppbv
RT: 9.58 min Scan# 2643
Delta R.T. 0.00 min
Lab File: VL031221.D
Acq: 14 Dec 2017 5:31

Instrument :
MSVOA_L
ClientSampleId :
VL1213ABS01

Tgt Ion: 75 Resp: 1825412

Ion	Ratio	Lower	Upper
75	100		
77	32.7	25.4	38.2

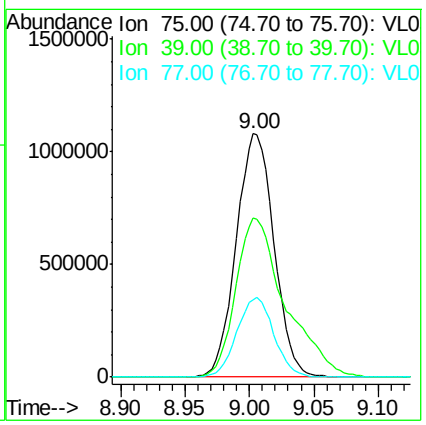


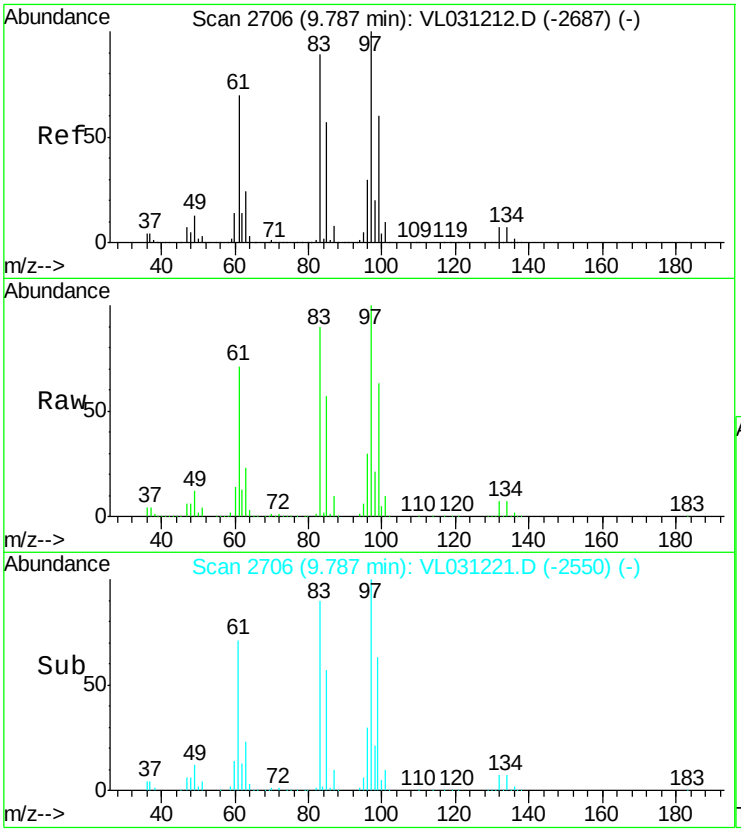


#46
cis-1,3-Dichloropropene
Concen: 8.73 ppbv
RT: 9.00 min Scan# 2462
Delta R.T. 0.00 min
Lab File: VL031221.D
Acq: 14 Dec 2017 5:31

Tgt Ion: 75 Resp: 2208808

Ion	Ratio	Lower	Upper
75	100		
39	65.4	54.2	81.4
77	31.5	26.2	39.4



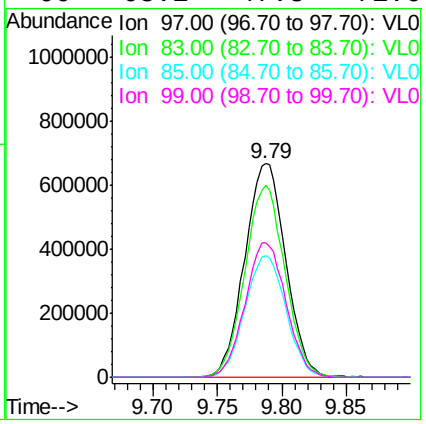


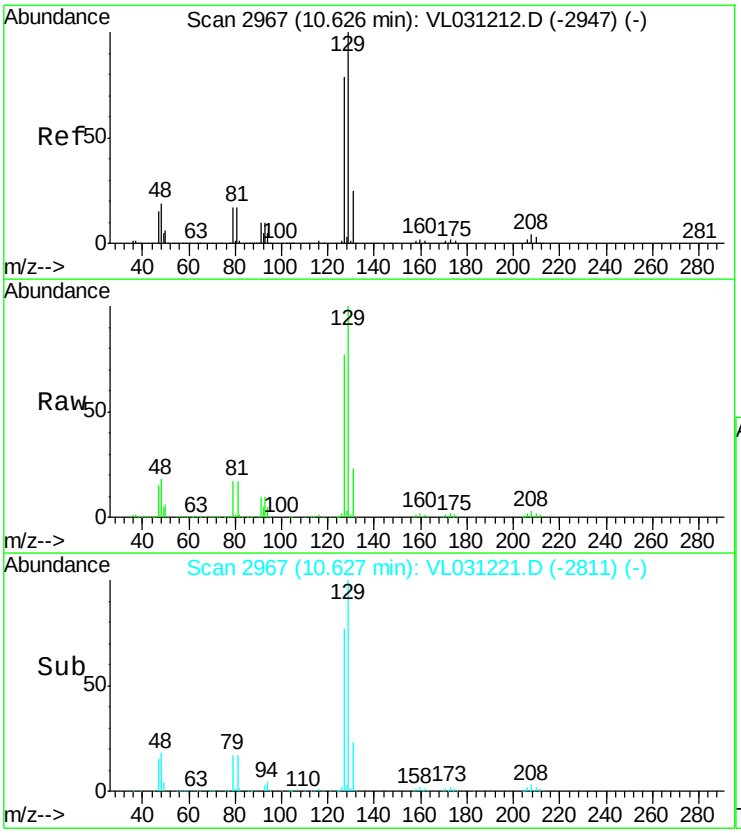
#47
1,1,2-Trichloroethane
Concen: 9.19 ppbv
RT: 9.79 min Scan# 2706
Delta R.T. 0.00 min
Lab File: VL031221.D
Acq: 14 Dec 2017 5:31

Instrument :
MSVOA_L
ClientSampleId :
VL1213ABS01

Tgt Ion: 97 Resp: 1480669

Ion	Ratio	Lower	Upper
97	100		
83	90.0	71.0	106.4
85	56.7	45.3	67.9
99	63.1	47.8	71.6

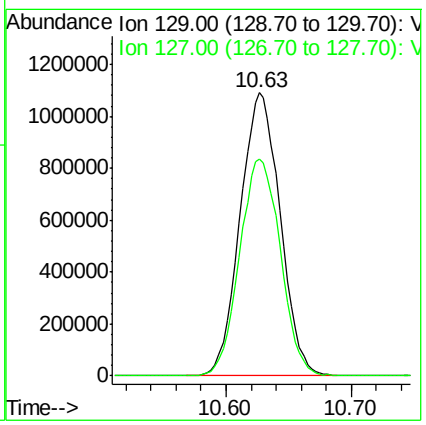


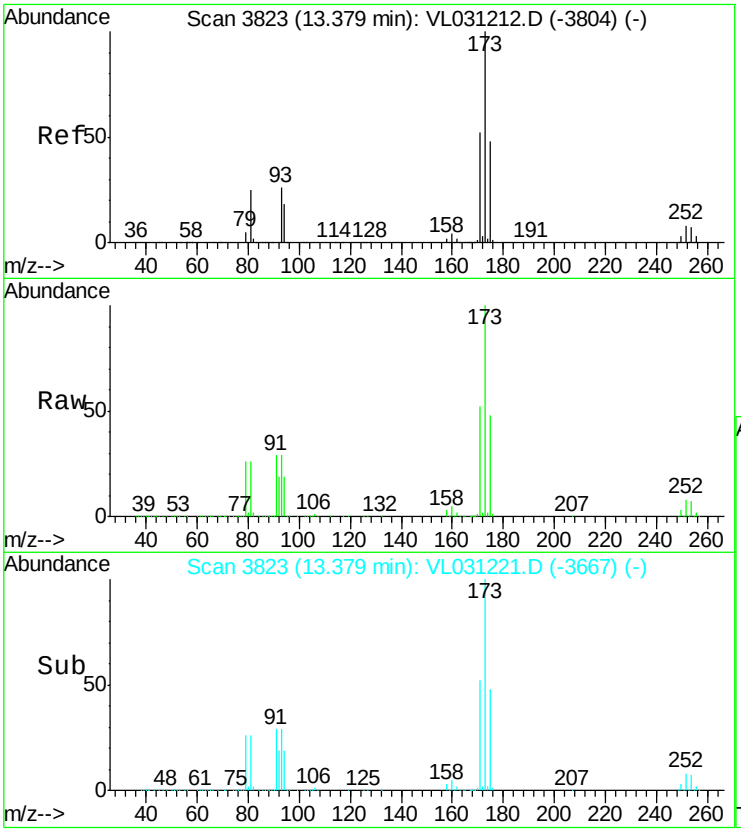


#48
Dibromochloromethane
Concen: 9.59 ppbv
RT: 10.63 min Scan# 2967
Delta R.T. 0.00 min
Lab File: VL031221.D
Acq: 14 Dec 2017 5:31

Tgt Ion:129 Resp: 2414336

Ion	Ratio	Lower	Upper
129	100		
127	78.5	39.1	117.5



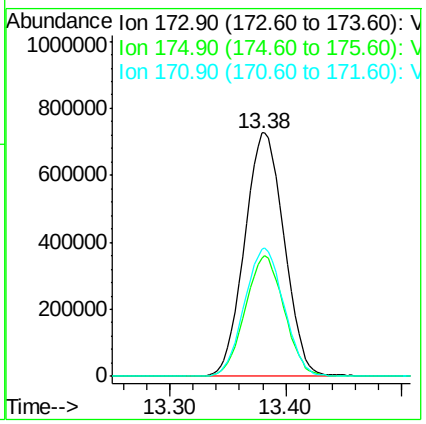


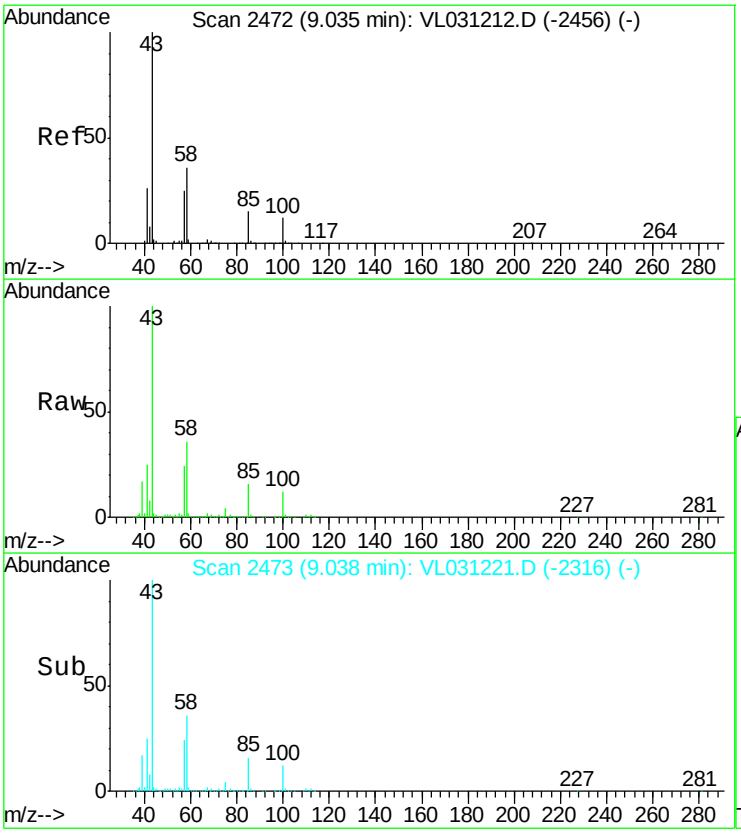
#49
Bromoform
Concen: 9.31 ppbv
RT: 13.38 min Scan# 3823
Delta R.T. 0.00 min
Lab File: VL031221.D
Acq: 14 Dec 2017 5:31

Instrument :
MSVOA_L
ClientSampleId :
VL1213ABS01

Tgt Ion:173 Resp: 1728469

Ion	Ratio	Lower	Upper
173	100		
175	48.7	39.0	58.4
171	52.7	41.8	62.8

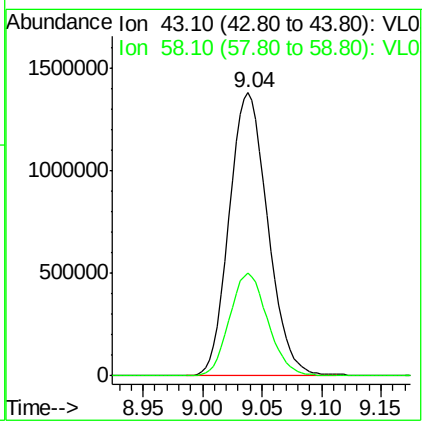


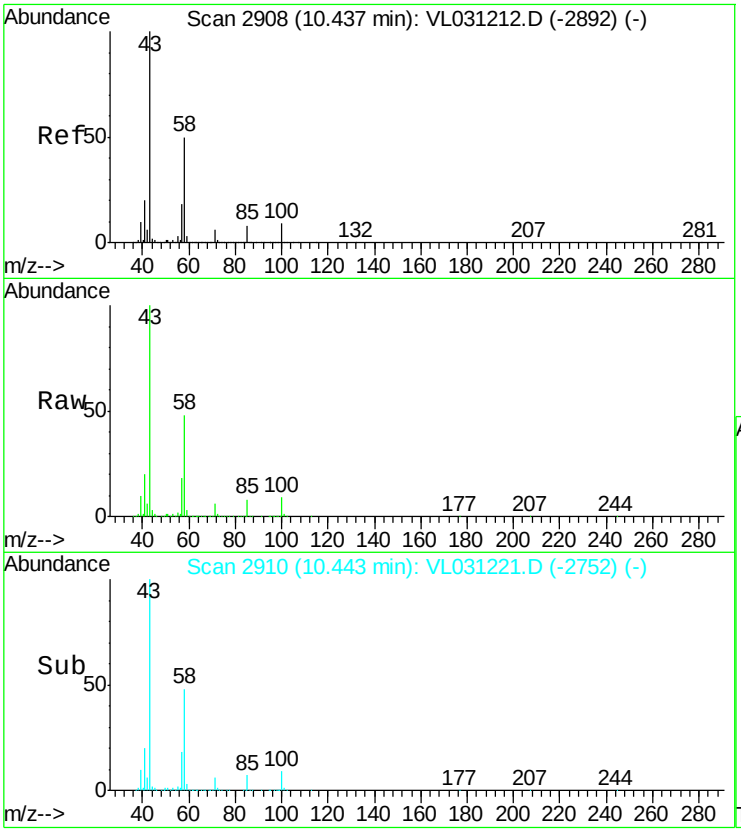


#50
4-Methyl-2-Pentanone
Concen: 8.63 ppbv
RT: 9.04 min Scan# 2473
Delta R.T. 0.00 min
Lab File: VL031221.D
Acq: 14 Dec 2017 5:31

Tgt Ion: 43 Resp: 3093285

Ion	Ratio	Lower	Upper
43	100		
58	36.1	28.8	43.2



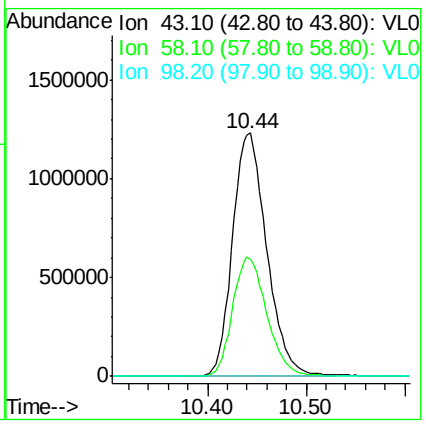


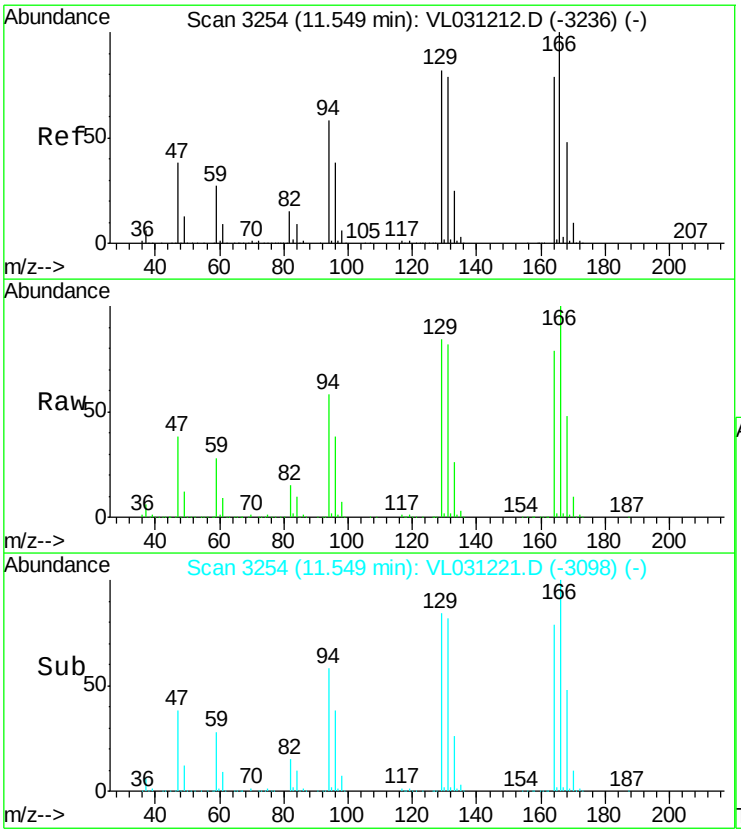
#51
2-Hexanone
Concen: 8.65 ppbv
RT: 10.44 min Scan# 2910
Delta R.T. 0.01 min
Lab File: VL031221.D
Acq: 14 Dec 2017 5:31

Instrument : MSVOA_L
ClientSampleId : VL1213ABS01

Tgt Ion: 43 Resp: 2956539

Ion	Ratio	Lower	Upper
43	100		
58	49.3	39.8	59.6
98	0.1	0.0	0.0#

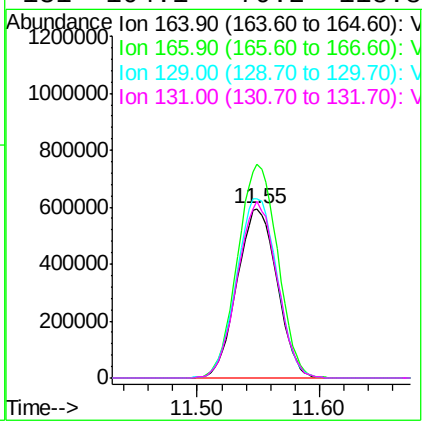


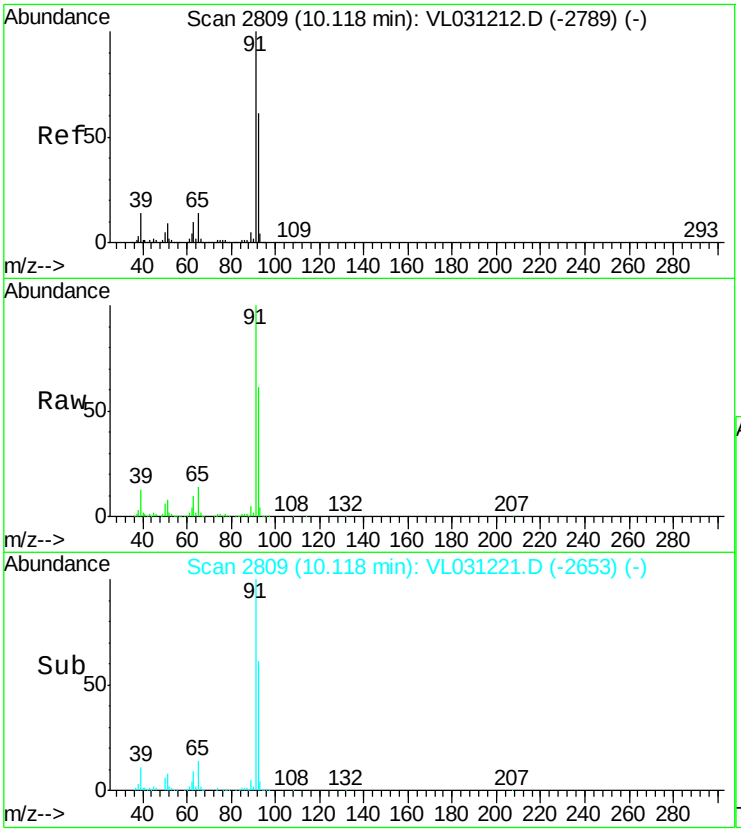


#52
Tetrachloroethene
Concen: 8.31 ppbv
RT: 11.55 min Scan# 3254
Delta R.T. 0.00 min
Lab File: VL031221.D
Acq: 14 Dec 2017 5:31

Tgt Ion:164 Resp: 1346531

Ion	Ratio	Lower	Upper
164	100		
166	126.2	100.6	151.0
129	105.5	82.9	124.3
131	104.1	79.2	118.8



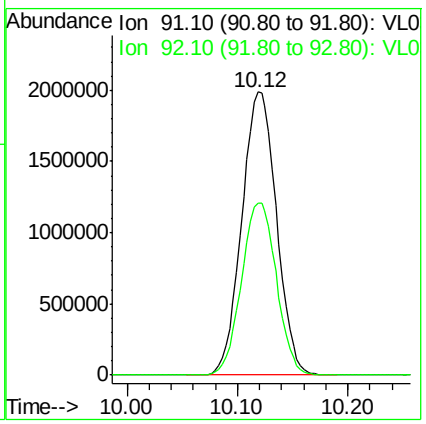


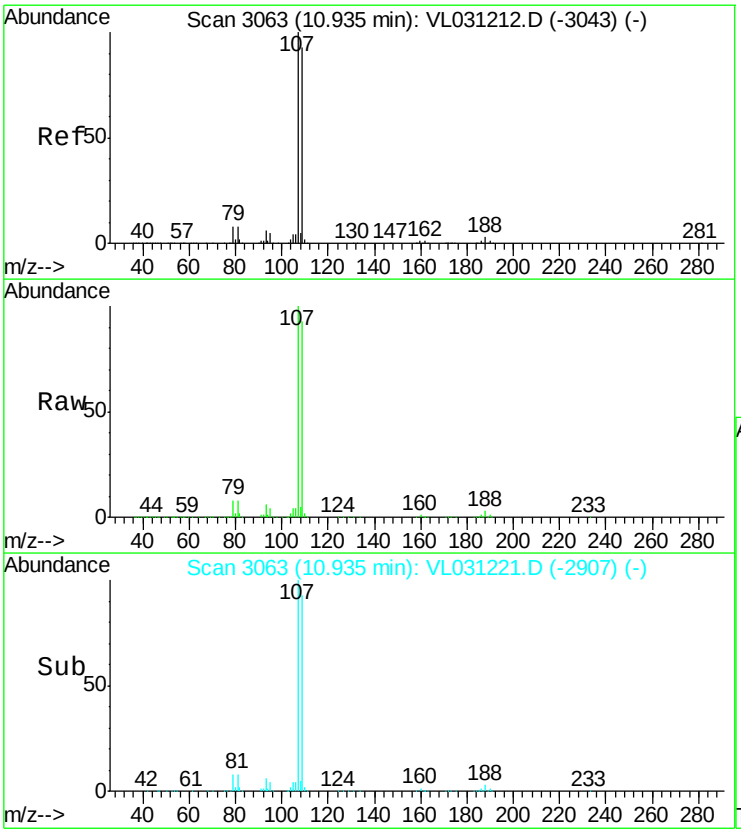
#53
Toluene
Concen: 9.11 ppbv
RT: 10.12 min Scan# 2809
Delta R.T. 0.00 min
Lab File: VL031221.D
Acq: 14 Dec 2017 5:31

Instrument : MSVOA_L
ClientSampleId : VL1213ABS01

Tgt Ion: 91 Resp: 4341035

Ion	Ratio	Lower	Upper
91	100		
92	61.1	49.1	73.7

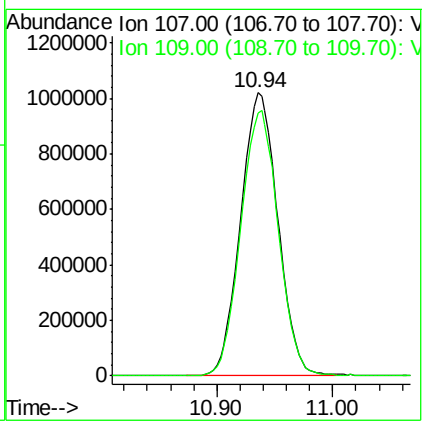


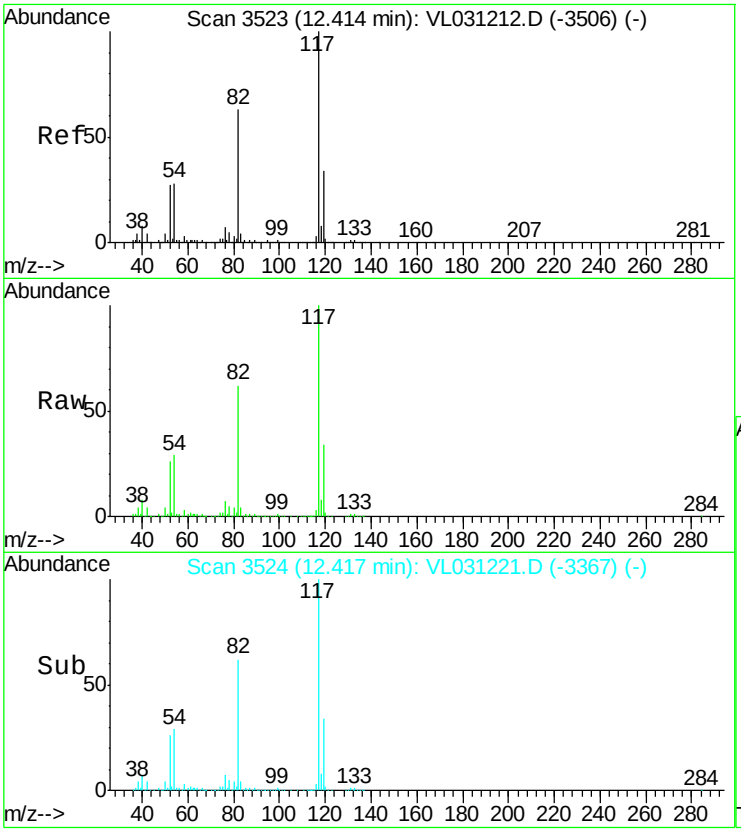


#54
1,2-Dibromoethane
Concen: 9.35 ppbv
RT: 10.94 min Scan# 3063
Delta R.T. 0.00 min
Lab File: VL031221.D
Acq: 14 Dec 2017 5:31

Tgt Ion:107 Resp: 2283158

Ion	Ratio	Lower	Upper
107	100		
109	92.8	74.7	112.1



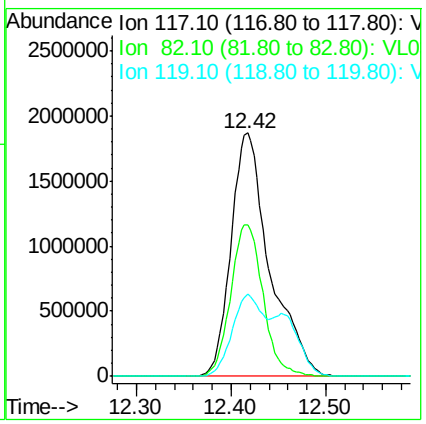


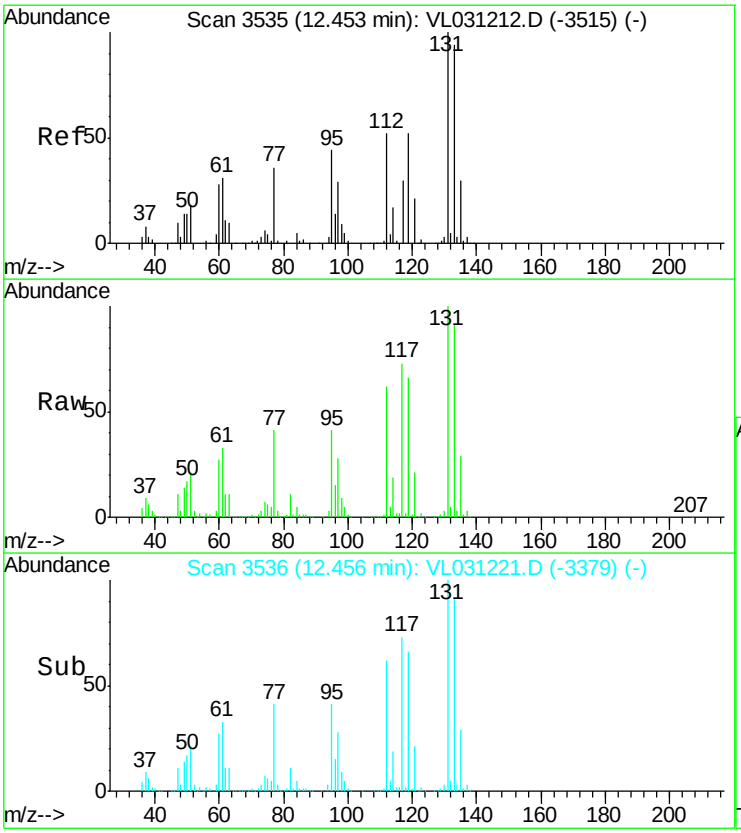
#55
Chlorobenzene-d5
Concen: 10.00 ppbv
RT: 12.42 min Scan# 3524
Delta R.T. 0.00 min
Lab File: VL031221.D
Acq: 14 Dec 2017 5:31

Instrument : MSVOA_L
ClientSampleId : VL1213ABS01

Tgt Ion:117 Resp: 5325153

Ion	Ratio	Lower	Upper
117	100		
82	52.2	48.1	72.1
119	45.6	23.1	34.7#

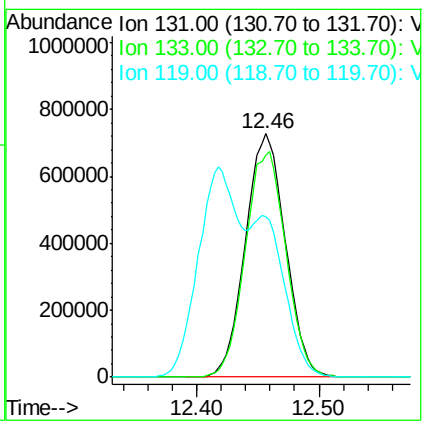


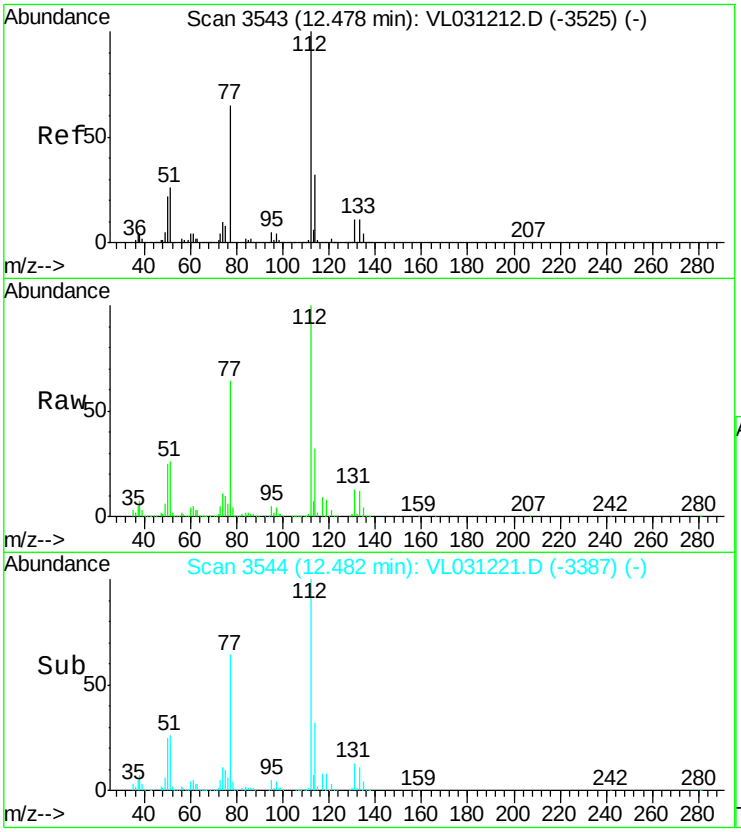


#56
1,1,1,2-Tetrachloroethane
Concen: 6.93 ppbv
RT: 12.46 min Scan# 3536
Delta R.T. 0.00 min
Lab File: VL031221.D
Acq: 14 Dec 2017 5:31

Tgt Ion:131 Resp: 1647212

Ion	Ratio	Lower	Upper
131	100		
133	94.3	76.1	114.1
119	147.3	108.5	162.7



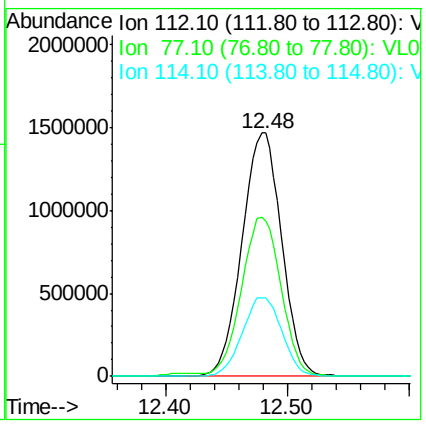


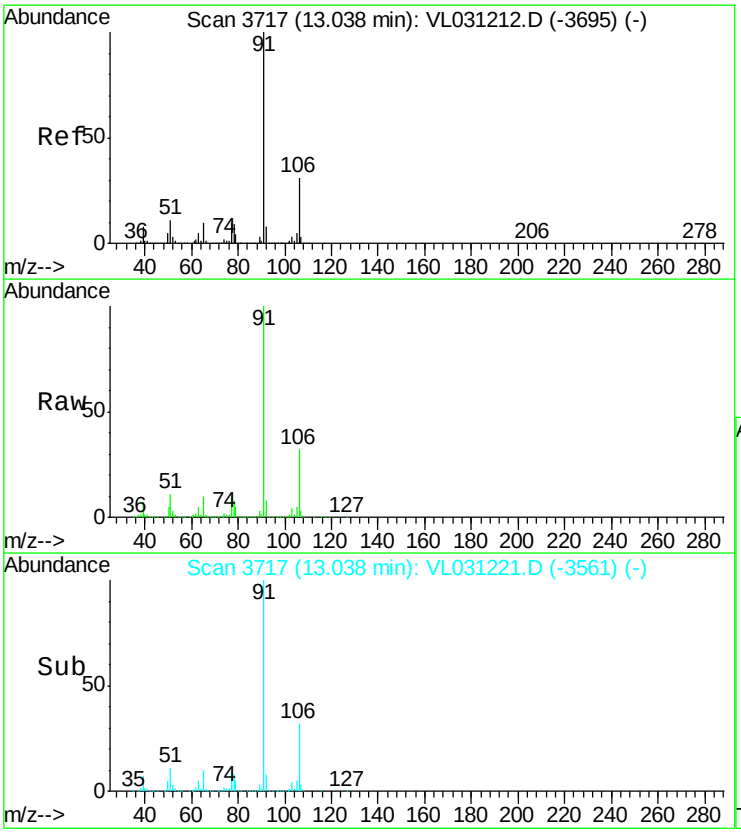
#57
Chlorobenzene
Concen: 6.63 ppbv
RT: 12.48 min Scan# 3544
Delta R.T. 0.00 min
Lab File: VL031221.D
Acq: 14 Dec 2017 5:31

Instrument :
MSVOA_L
ClientSampleId :
VL1213ABS01

Tgt Ion:112 Resp: 3292214

Ion	Ratio	Lower	Upper
112	100		
77	63.9	52.9	79.3
114	32.0	29.1	35.5

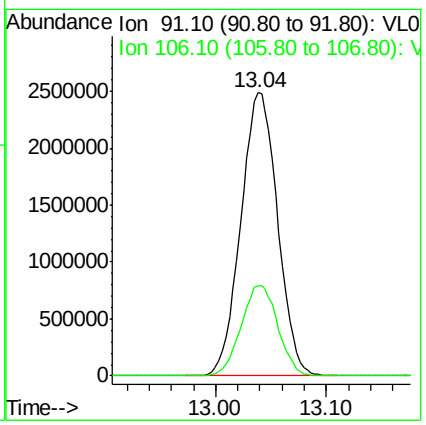


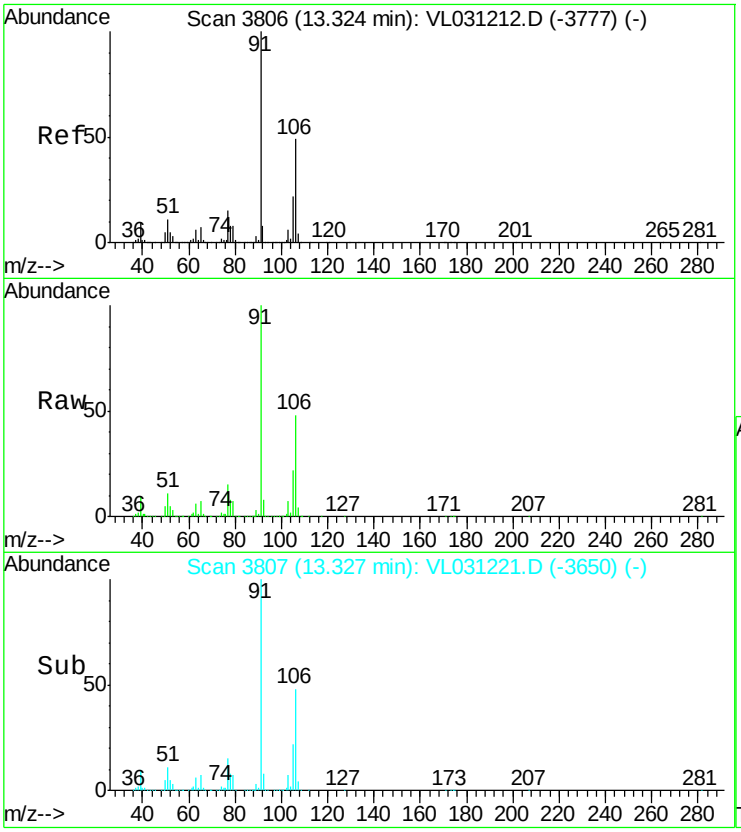


#58
Ethyl Benzene
Concen: 6.52 ppbv
RT: 13.04 min Scan# 3717
Delta R.T. 0.00 min
Lab File: VL031221.D
Acq: 14 Dec 2017 5:31

Tgt Ion: 91 Resp: 5736629

Ion	Ratio	Lower	Upper
91	100		
106	31.8	25.1	37.7



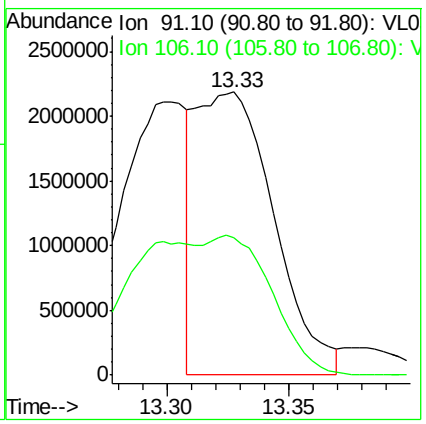


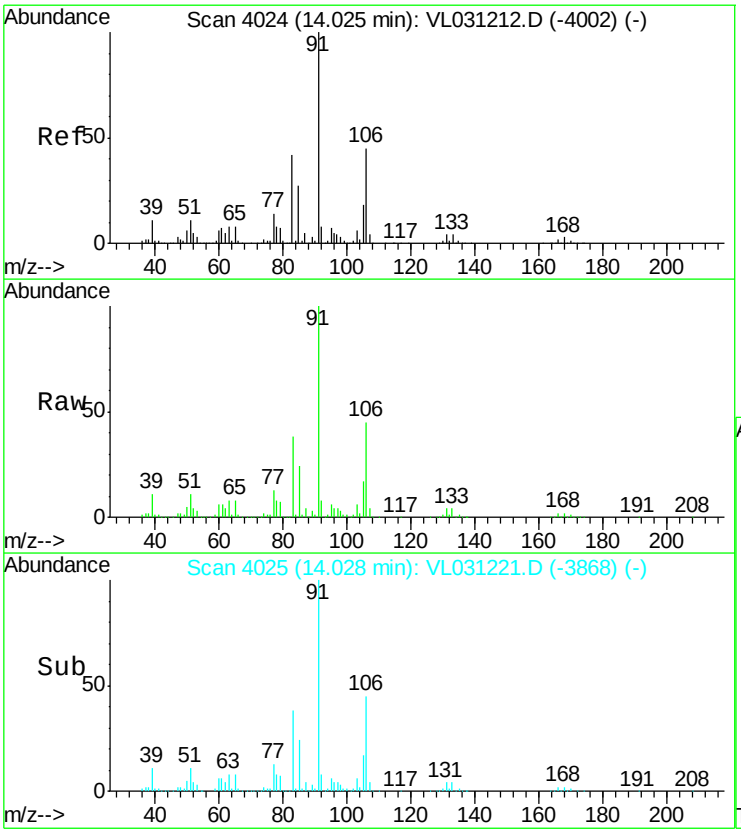
#59
m/p-Xylene
Concen: 6.85 ppbv
RT: 13.33 min Scan# 3807
Delta R.T. 0.00 min
Lab File: VL031221.D
Acq: 14 Dec 2017 5:31

Instrument : MSVOA_L
ClientSampleId : VL1213ABS01

Tgt Ion: 91 Resp: 4821660

Ion	Ratio	Lower	Upper
91	100		
106	89.6	38.5	57.7#

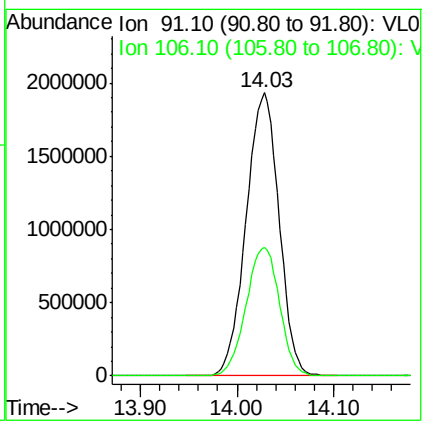


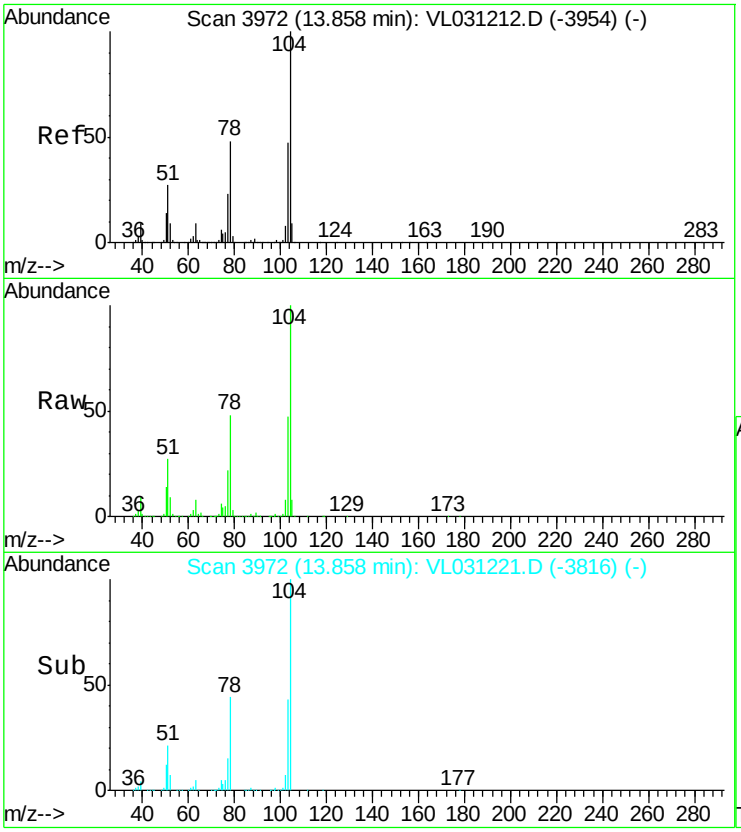


#60
o-Xylene
Concen: 6.44 ppbv
RT: 14.03 min Scan# 4025
Delta R.T. 0.00 min
Lab File: VL031221.D
Acq: 14 Dec 2017 5:31

Tgt Ion: 91 Resp: 4570710

Ion	Ratio	Lower	Upper
91	100		
106	46.2	22.7	68.1



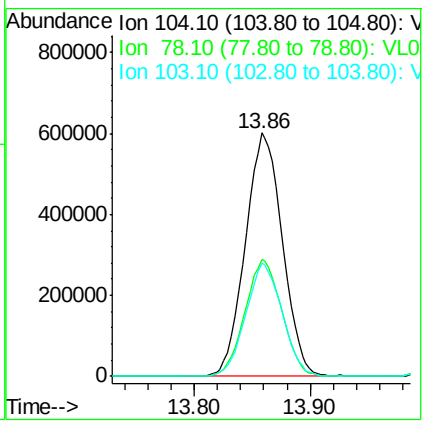


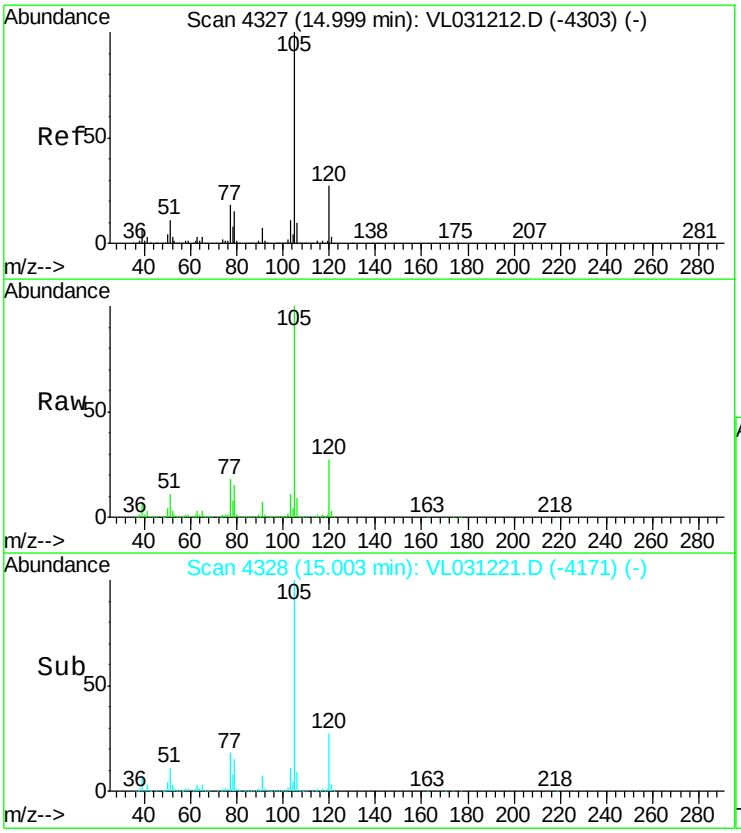
#61
Styrene
Concen: 6.58 ppbv
RT: 13.86 min Scan# 3972
Delta R.T. 0.00 min
Lab File: VL031221.D
Acq: 14 Dec 2017 5:31

Instrument :
MSVOA_L
ClientSampleId :
VL1213ABS01

Tgt Ion:104 Resp: 1338728

Ion	Ratio	Lower	Upper
104	100		
78	48.0	39.1	58.7
103	45.7	37.3	55.9

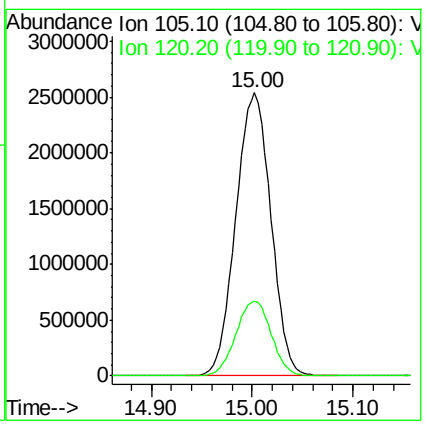


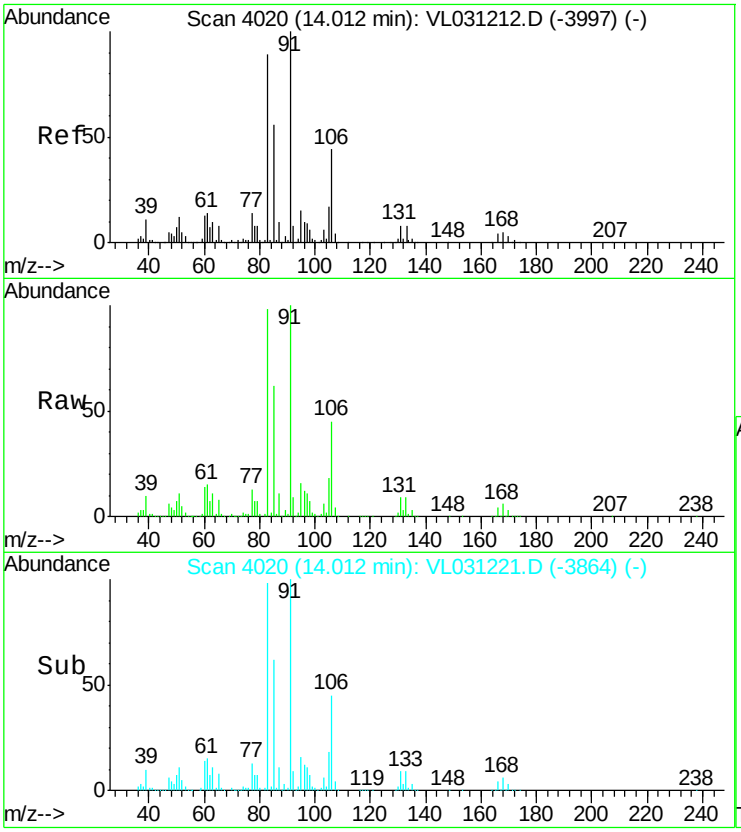


#62
Isopropylbenzene
Concen: 6.58 ppbv
RT: 15.00 min Scan# 4328
Delta R.T. 0.00 min
Lab File: VL031221.D
Acq: 14 Dec 2017 5:31

Tgt Ion:105 Resp: 6121932

Ion	Ratio	Lower	Upper
105	100		
120	26.6	21.0	31.6



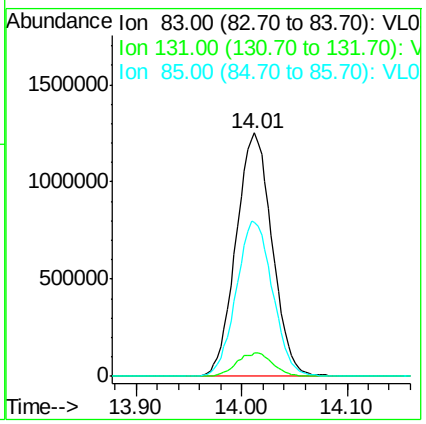


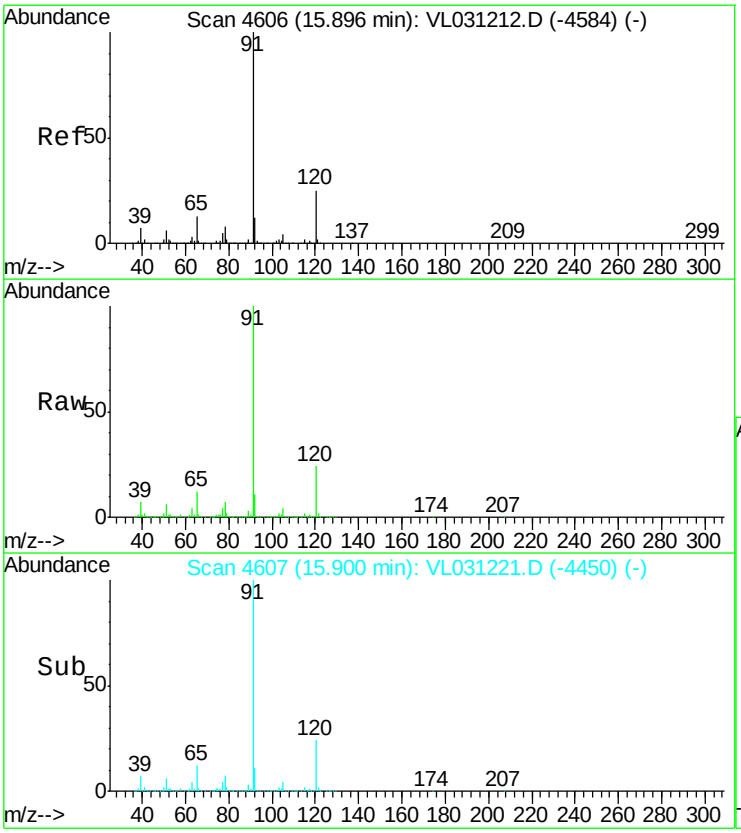
#63
1,1,2,2-Tetrachloroethane
Concen: 6.26 ppbv
RT: 14.01 min Scan# 4020
Delta R.T. 0.00 min
Lab File: VL031221.D
Acq: 14 Dec 2017 5:31

Instrument : MSVOA_L
ClientSampleId : VL1213ABS01

Tgt Ion: 83 Resp: 2977107

Ion	Ratio	Lower	Upper
83	100		
131	9.7	4.8	14.3
85	64.6	32.1	96.5

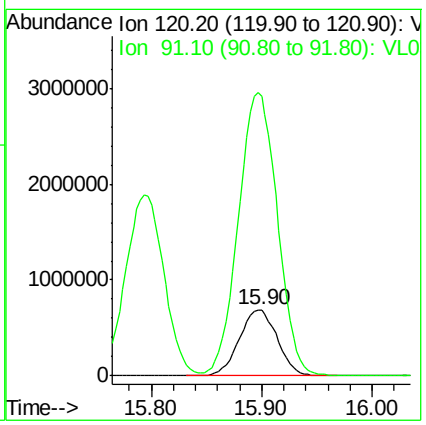


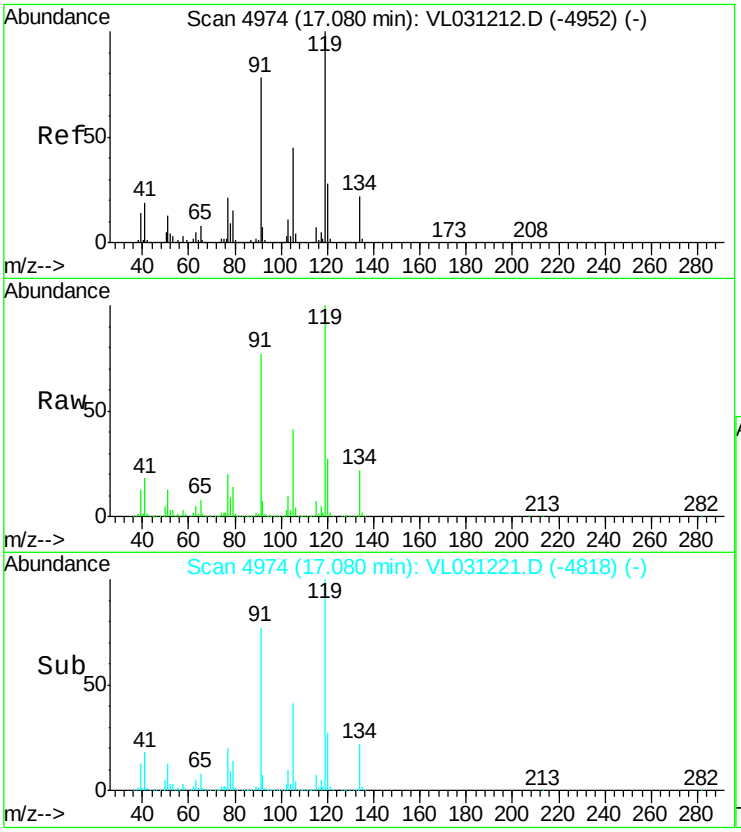


#64
n-propylbenzene
Concen: 6.65 ppbv
RT: 15.90 min Scan# 4607
Delta R.T. 0.00 min
Lab File: VL031221.D
Acq: 14 Dec 2017 5:31

Tgt Ion:120 Resp: 1642028

Ion	Ratio	Lower	Upper
120	100		
91	441.3	352.1	528.1



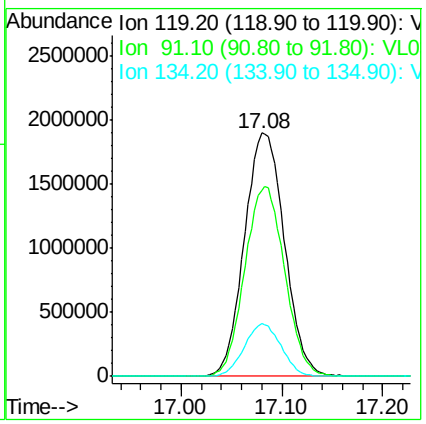


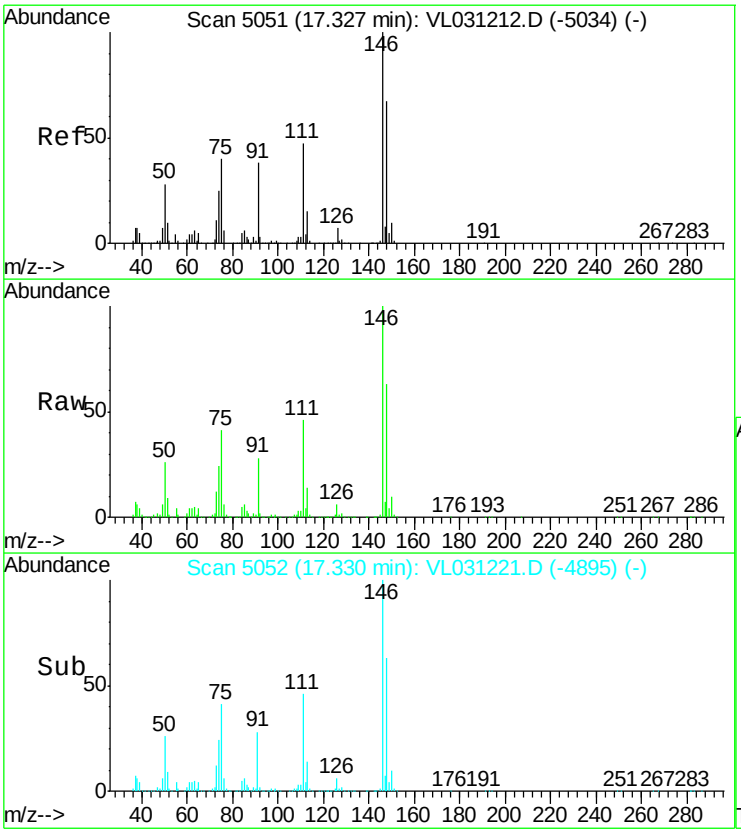
#65
tert-Butylbenzene
Concen: 6.35 ppbv
RT: 17.08 min Scan# 4974
Delta R.T. 0.00 min
Lab File: VL031221.D
Acq: 14 Dec 2017 5:31

Instrument :
MSVOA_L
ClientSampleId :
VL1213ABS01

Tgt Ion:119 Resp: 5231435

Ion	Ratio	Lower	Upper
119	100		
91	77.8	63.3	94.9
134	20.1	16.1	24.1

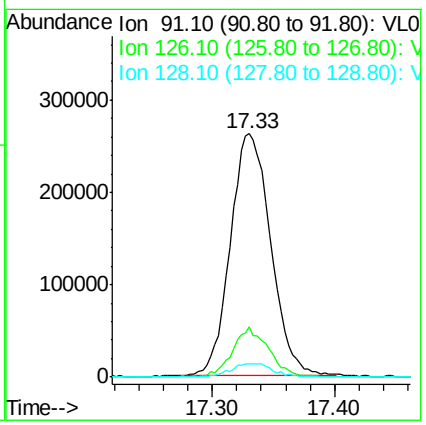


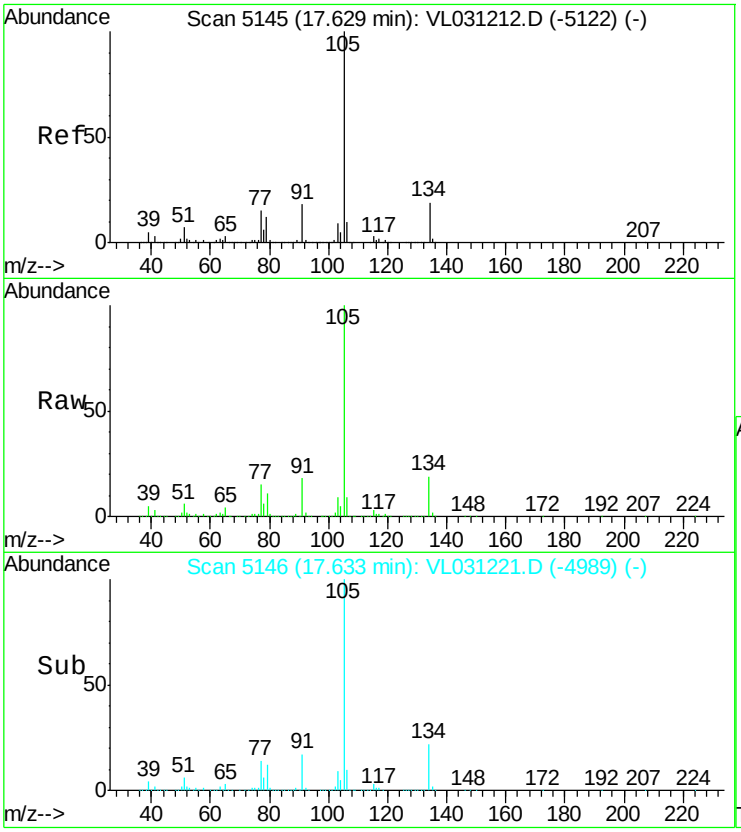


#66
Benzyl Chloride
Concen: 6.76 ppbv
RT: 17.33 min Scan# 5052
Delta R.T. 0.00 min
Lab File: VL031221.D
Acq: 14 Dec 2017 5:31

Tgt Ion: 91 Resp: 600587

Ion	Ratio	Lower	Upper
91	100		
126	18.7	15.2	22.8
128	5.9	4.9	7.3



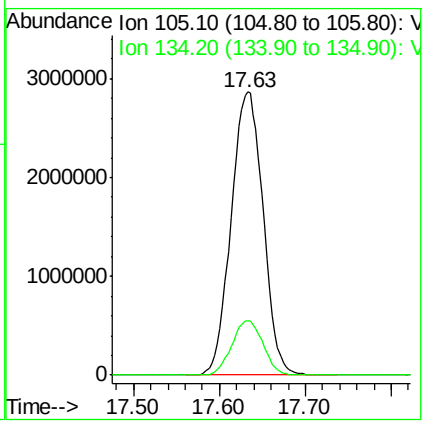


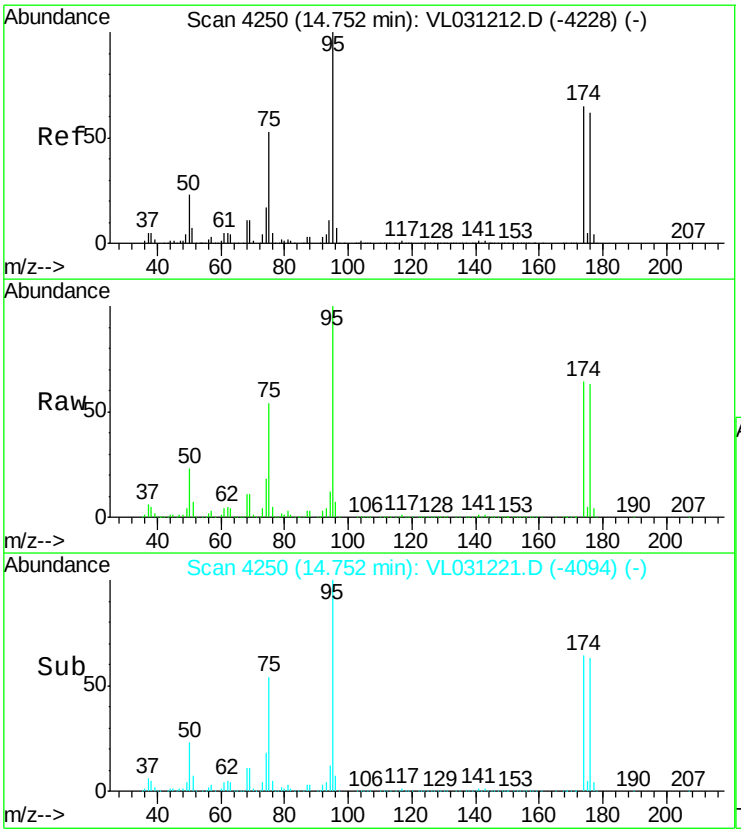
#67
sec-Butylbenzene
Concen: 6.52 ppbv
RT: 17.63 min Scan# 5146
Delta R.T. 0.00 min
Lab File: VL031221.D
Acq: 14 Dec 2017 5:31

Instrument : MSVOA_L
ClientSampleId : VL1213ABS01

Tgt Ion:105 Resp: 7384084

Ion	Ratio	Lower	Upper
105	100		
134	18.9	15.3	22.9

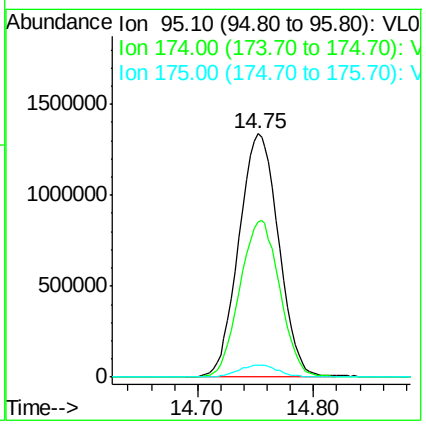


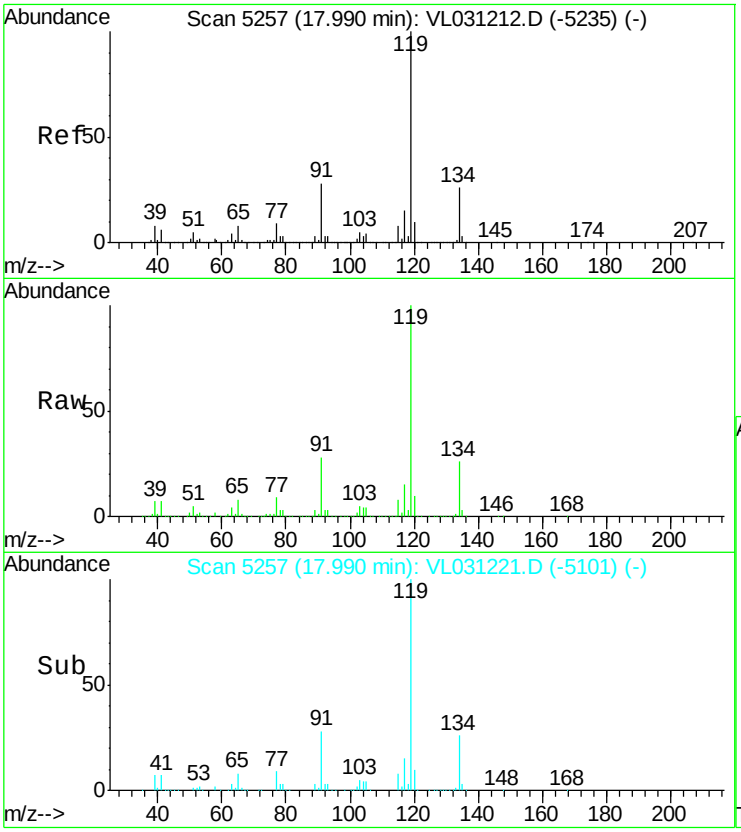


#68
1-Bromo-4-Fluorobenzene
Concen: 8.44 ppbv
RT: 14.75 min Scan# 4250
Delta R.T. 0.00 min
Lab File: VL031221.D
Acq: 14 Dec 2017 5:31

Tgt Ion: 95 Resp: 3195229

Ion	Ratio	Lower	Upper
95	100		
174	65.2	52.5	78.7
175	5.0	4.1	6.1



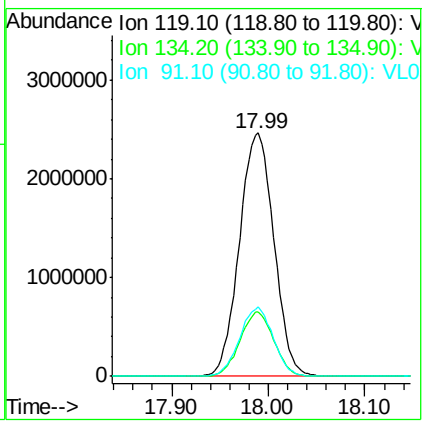


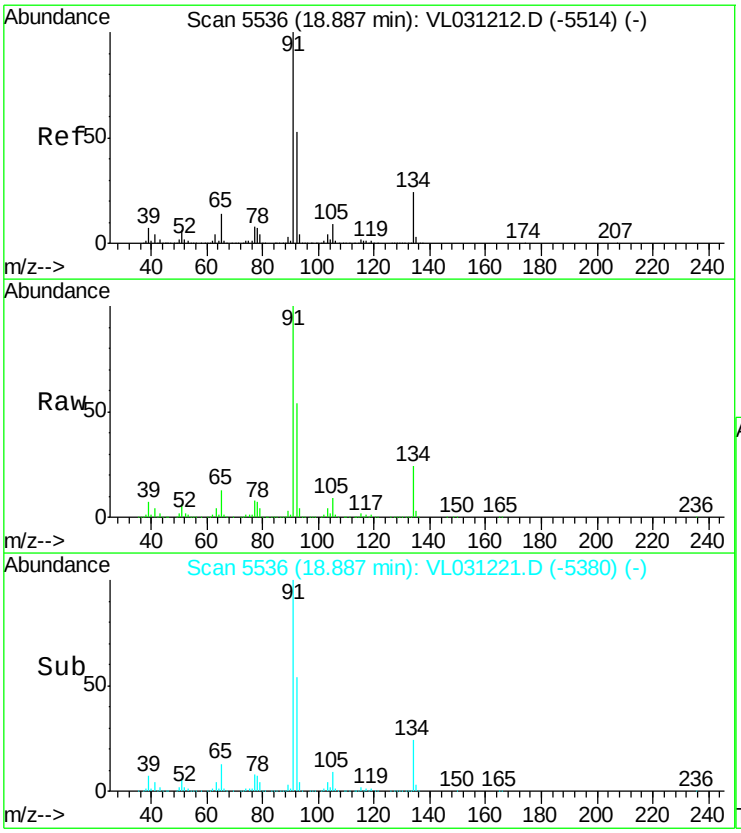
#69
p-Isopropyltoluene
Concen: 6.47 ppbv
RT: 17.99 min Scan# 5257
Delta R.T. 0.00 min
Lab File: VL031221.D
Acq: 14 Dec 2017 5:31

Instrument :
MSVOA_L
ClientSampleId :
VL1213ABS01

Tgt Ion:119 Resp: 6112921

Ion	Ratio	Lower	Upper
119	100		
134	25.9	20.7	31.1
91	27.7	22.3	33.5

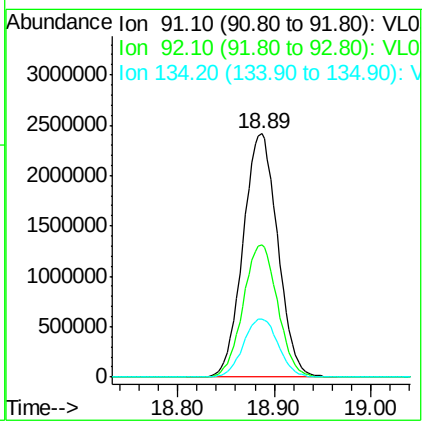


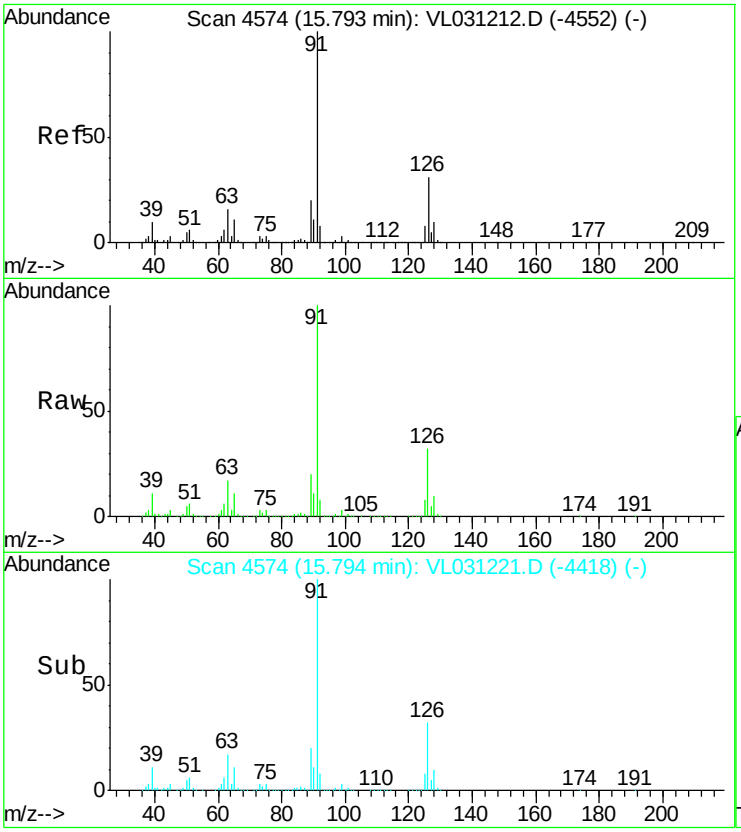


#70
n-Butylbenzene
Concen: 6.58 ppbv
RT: 18.89 min Scan# 5536
Delta R.T. 0.00 min
Lab File: VL031221.D
Acq: 14 Dec 2017 5:31

Tgt Ion: 91 Resp: 5998368

Ion	Ratio	Lower	Upper
91	100		
92	54.2	43.4	65.2
134	24.2	19.3	28.9



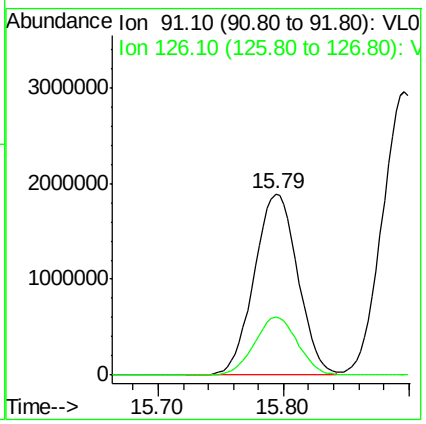


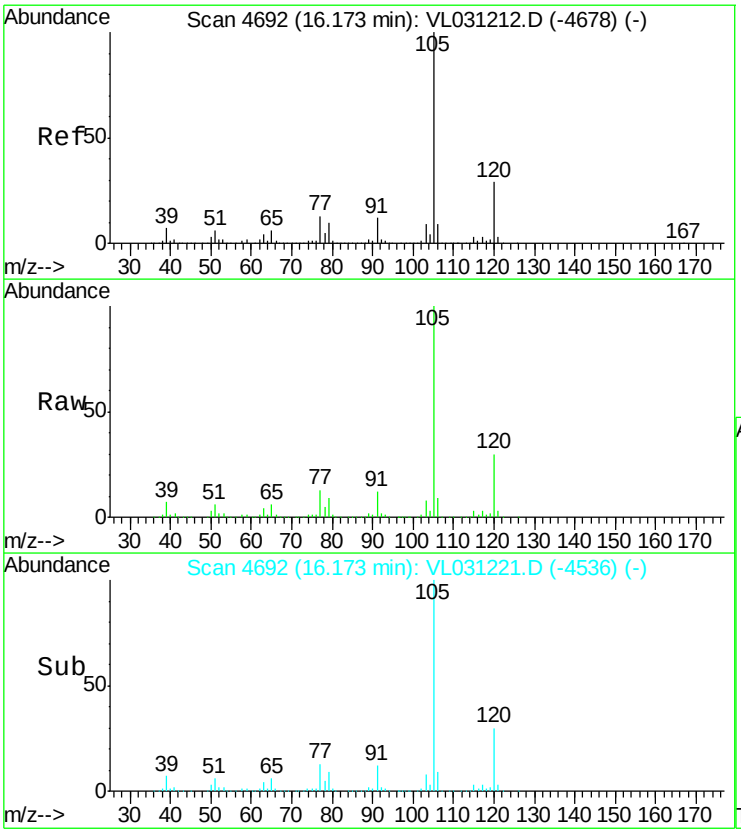
#71
2-Chlorotoluene
Concen: 6.62 ppbv
RT: 15.79 min Scan# 4574
Delta R.T. 0.00 min
Lab File: VL031221.D
Acq: 14 Dec 2017 5:31

Instrument : MSVOA_L
ClientSampleId : VL1213ABS01

Tgt Ion: 91 Resp: 4574050

Ion	Ratio	Lower	Upper
91	100		
126	31.9	12.6	50.6

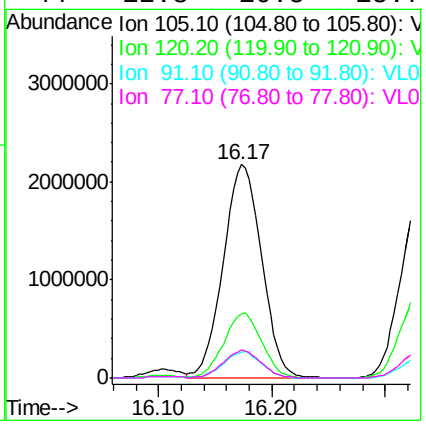


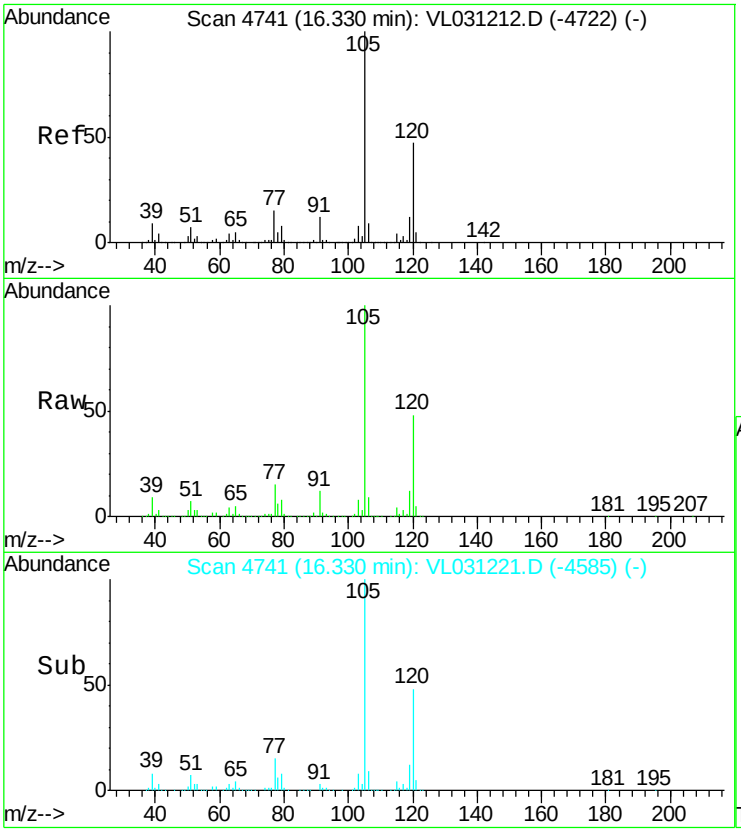


#72
4-Ethyltoluene
Concen: 6.60 ppbv
RT: 16.17 min Scan# 4692
Delta R.T. 0.00 min
Lab File: VL031221.D
Acq: 14 Dec 2017 5:31

Tgt Ion:105 Resp: 5126726

Ion	Ratio	Lower	Upper
105	100		
120	30.3	24.2	36.2
91	12.0	9.8	14.8
77	12.8	10.5	15.7



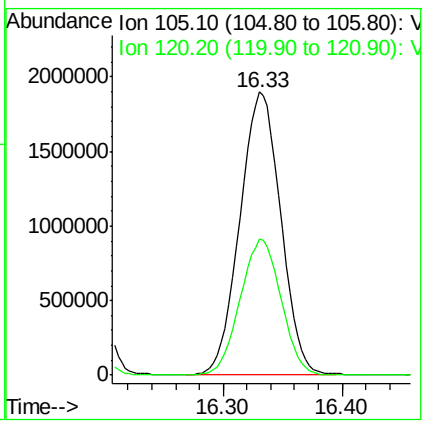


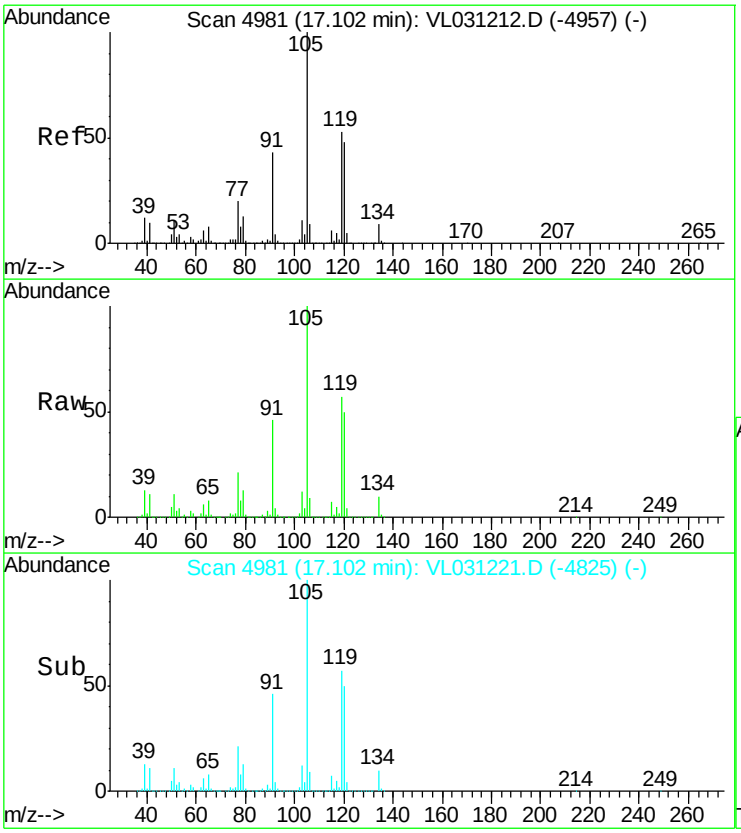
#73
1,3,5-Trimethylbenzene
Concen: 6.50 ppbv
RT: 16.33 min Scan# 4741
Delta R.T. 0.00 min
Lab File: VL031221.D
Acq: 14 Dec 2017 5:31

Instrument :
MSVOA_L
ClientSampleId :
VL1213ABS01

Tgt Ion:105 Resp: 4494126

Ion	Ratio	Lower	Upper
105	100		
120	48.1	37.8	56.6

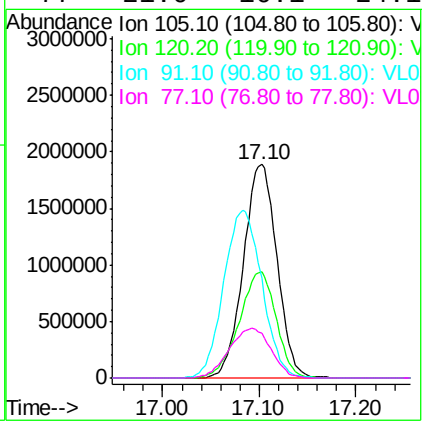


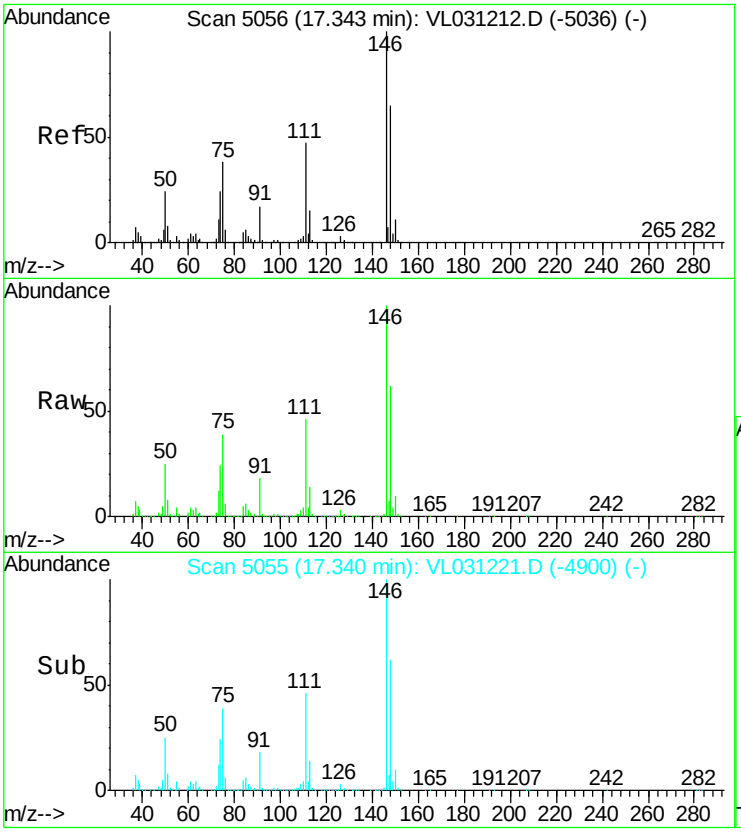


#74
1,2,4-Trimethylbenzene
Concen: 6.26 ppbv
RT: 17.10 min Scan# 4981
Delta R.T. 0.00 min
Lab File: VL031221.D
Acq: 14 Dec 2017 5:31

Tgt Ion:105 Resp: 4554198

Ion	Ratio	Lower	Upper
105	100		
120	50.0	38.6	58.0
91	46.4	34.2	51.4
77	21.0	16.1	24.1



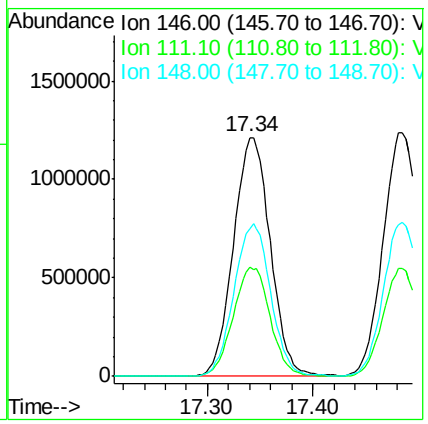


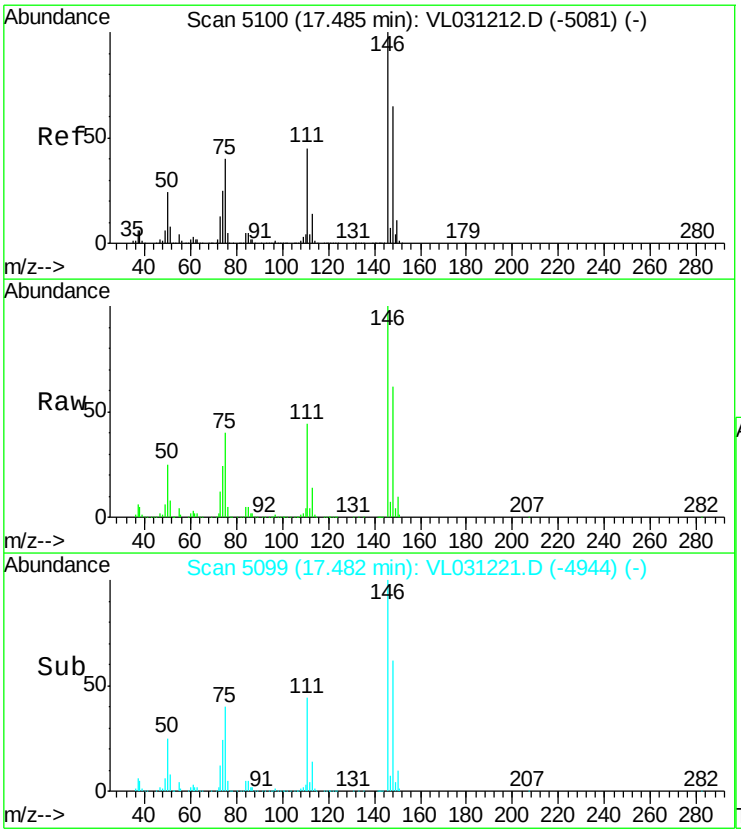
#75
1,3-Dichlorobenzene
Concen: 6.36 ppbv
RT: 17.34 min Scan# 5055
Delta R.T. -0.00 min
Lab File: VL031221.D
Acq: 14 Dec 2017 5:31

Instrument : MSVOA_L
ClientSampleId : VL1213ABS01

Tgt Ion:146 Resp: 2935213

Ion	Ratio	Lower	Upper
146	100		
111	46.0	22.7	68.1
148	63.9	32.0	96.2

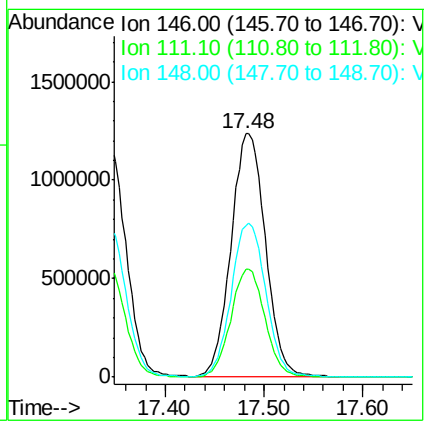


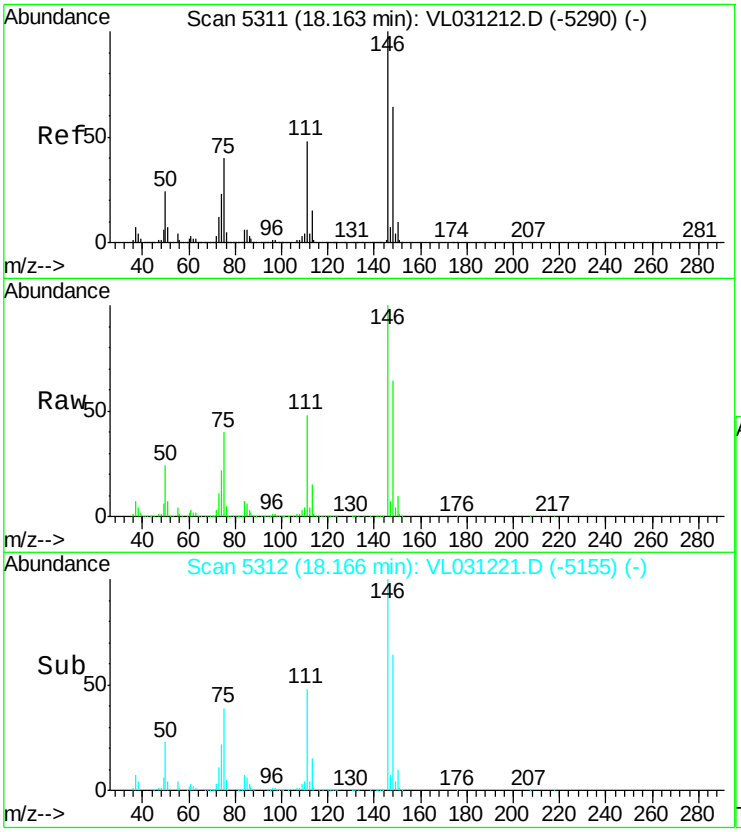


#76
1,4-Dichlorobenzene
Concen: 6.44 ppbv
RT: 17.48 min Scan# 5099
Delta R.T. -0.00 min
Lab File: VL031221.D
Acq: 14 Dec 2017 5:31

Tgt Ion:146 Resp: 3000736

Ion	Ratio	Lower	Upper
146	100		
111	44.0	22.1	66.1
148	63.7	32.0	96.0



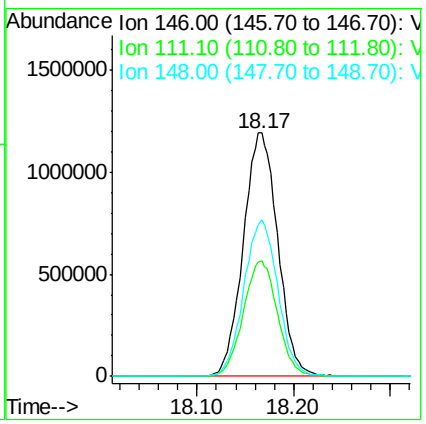


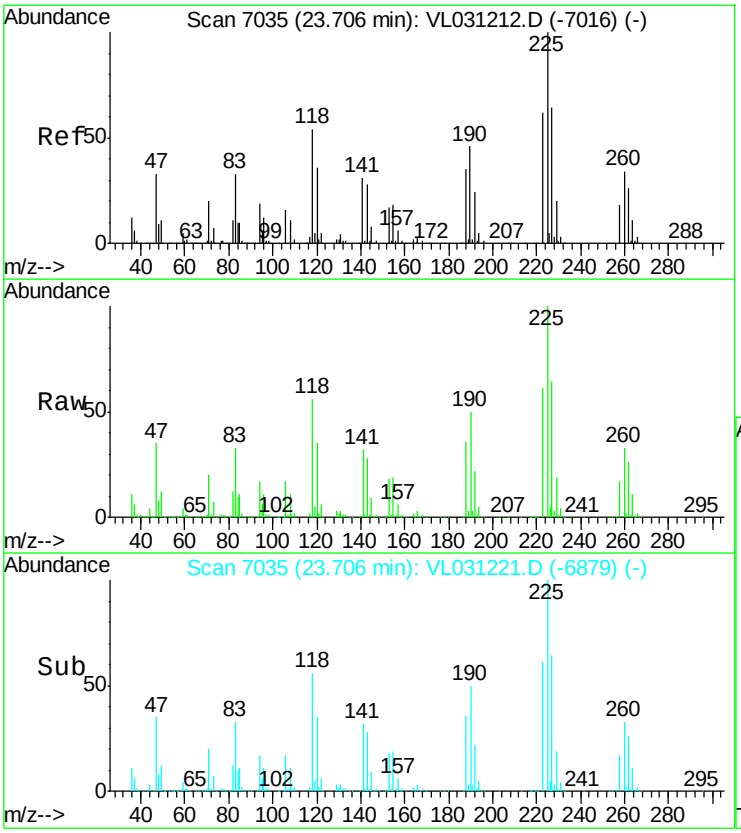
#77
1,2-Dichlorobenzene
Concen: 6.54 ppbv
RT: 18.17 min Scan# 5312
Delta R.T. 0.00 min
Lab File: VL031221.D
Acq: 14 Dec 2017 5:31

Instrument :
MSVOA_L
ClientSampleId :
VL1213ABS01

Tgt Ion:146 Resp: 2948900

Ion	Ratio	Lower	Upper
146	100		
111	46.9	23.3	69.8
148	63.6	31.9	95.7

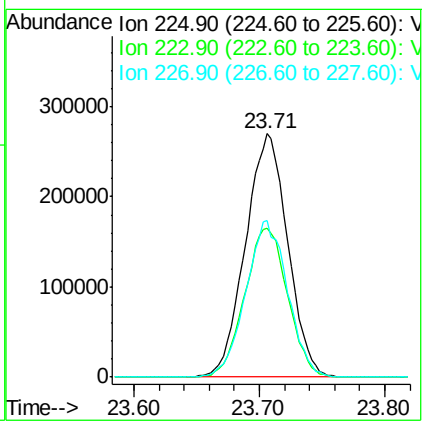


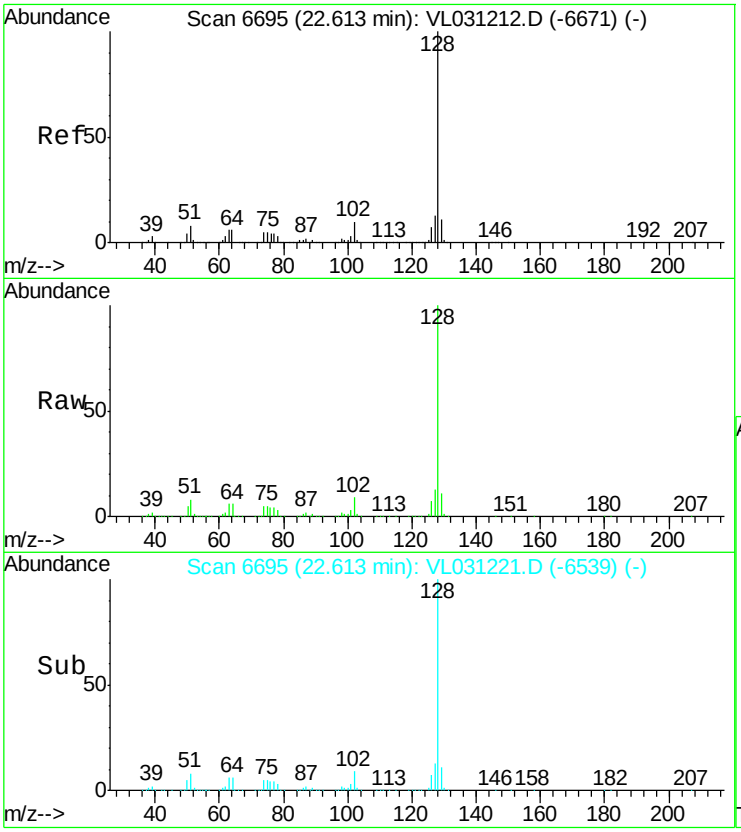


#78
Hexachloro-1,3-Butadiene
Concen: 6.10 ppbv
RT: 23.71 min Scan# 7035
Delta R.T. 0.00 min
Lab File: VL031221.D
Acq: 14 Dec 2017 5:31

Tgt Ion:225 Resp: 631945

Ion	Ratio	Lower	Upper
225	100		
223	62.2	50.4	75.6
227	63.5	51.3	76.9



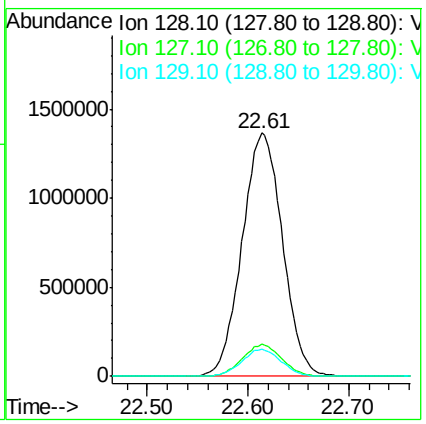


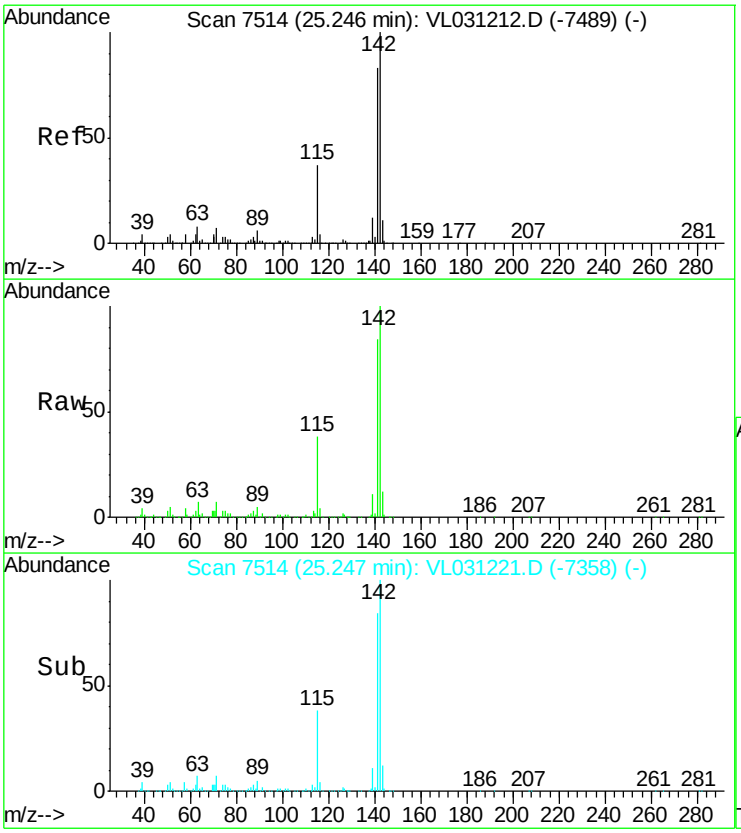
#79
Naphthalene
Concen: 6.44 ppbv
RT: 22.61 min Scan# 6695
Delta R.T. 0.00 min
Lab File: VL031221.D
Acq: 14 Dec 2017 5:31

Instrument :
MSVOA_L
ClientSampleId :
VL1213ABS01

Tgt Ion:128 Resp: 3791128

Ion	Ratio	Lower	Upper
128	100		
127	13.1	10.2	15.2
129	11.1	8.9	13.3

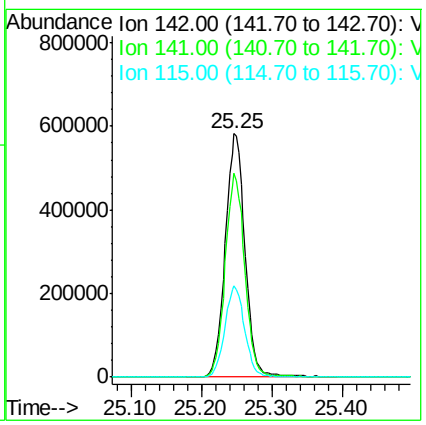


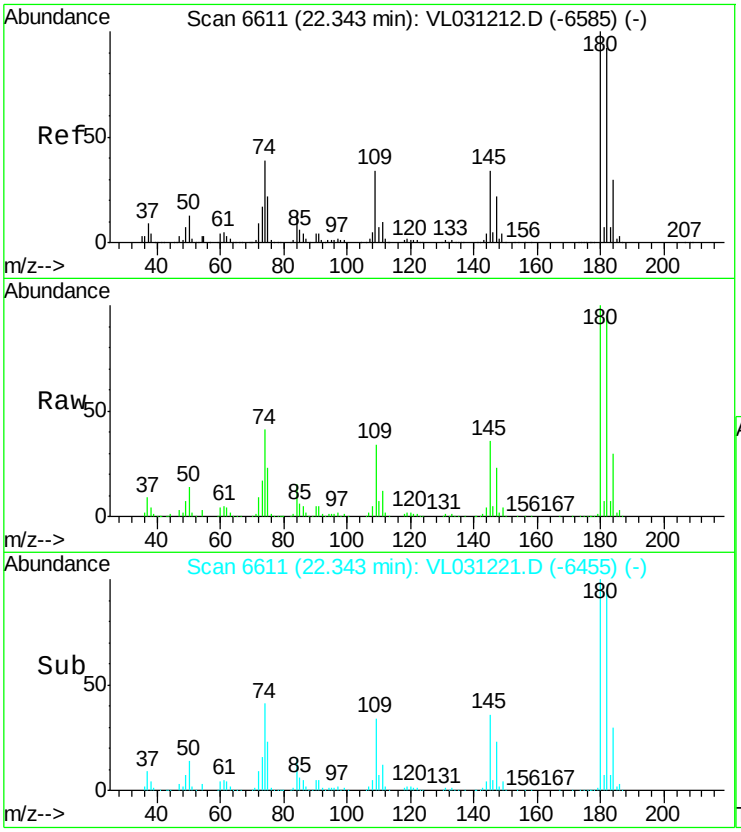


#80
Naphthalene,2-methyl-
Concen: 5.21 ppbv
RT: 25.25 min Scan# 7514
Delta R.T. 0.00 min
Lab File: VL031221.D
Acq: 14 Dec 2017 5:31

Tgt Ion:142 Resp: 1141965

Ion	Ratio	Lower	Upper
142	100		
141	83.3	66.8	100.2
115	37.6	29.7	44.5





#81
1,2,4-Trichlorobenzene
Concen: 6.16 ppbv
RT: 22.34 min Scan# 6611
Delta R.T. 0.00 min
Lab File: VL031221.D
Acq: 14 Dec 2017 5:31

Instrument :
MSVOA_L
ClientSampleId :
VL1213ABS01

Tgt Ion:180 Resp: 1690451

Ion	Ratio	Lower	Upper
180	100		
182	95.0	75.9	113.9
184	30.2	24.2	36.2