Quantitation Report (Not Reviewed)

Data Path : W:\HPCHEM1\MSVOA_L\DATA\VL012218\
Data File : VL031431.D
Acq On : 23 Jan 2018 00:51
Operator : SY/AP
Sample : J1089-13
Misc : 400ml/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_L
ClientSampleId : MDL-AIR-6

Quant Time: Jan 23 06:22:21 2018
Quant Method : W:\HPCHEM1\MSVOA_L\METHODS\VL012218AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LMon Jan 22 17:52:32 2018
QLast Update : Mon Jan 22 17:52:32 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
1) Bromochloromethane	5.90	49	1201073	10.00	ppbv		0.00
33) 1,4-Difluorobenzene	7.44	114	2725005	10.00	ppbv		0.00
55) Chlorobenzene-d5	12.41	117	2669897	10.00	ppbv		0.00
System Monitoring Compounds							
68) 1-Bromo-4-Fluorobenzene	14.75	95	2161983	10.11	ppbv		0.00
Spiked Amount 10.000	Range 65 - 135		Recovery = 101.10%				
Target Compounds							Qvalue
2) Dichlorodifluoromethane	3.18	85	37441	0.22	ppbv		96
3) Chlorodifluoromethane	3.11	51	21857	0.14	ppbv		98
4) Chloromethane	3.27	50	9560	0.13	ppbv	#	87
5) Vinyl Chloride	3.40	62	9324	0.14	ppbv	#	84
6) Bromomethane	3.63	94	7044	0.14	ppbv		83
7) Chloroethane	3.72	64	3166	0.11	ppbv		99
8) Dichlorotetrafluoroethane	3.32	85	25944	0.14	ppbv		96
9) Propene	3.13	41	3279	0.06	ppbv	#	16
10) Heptane	8.40	43	15002	0.09	ppbv		100
11) Trichlorofluoromethane	4.13	101	32440	0.14	ppbv		91
12) 1,1,2-Trichlorotrifluoroet	4.68	101	19936	0.14	ppbv		98
13) Ethanol	3.79	45	1291	0.08	ppbv	#	1
14) Bromoethene	3.91	108	7556	0.13	ppbv	#	96
15) Acetone	4.04	43	32055	0.20	ppbv		98
16) 1,3-Butadiene	3.47	39	8321	0.12	ppbv		100
17) tert-Butyl alcohol	4.48	59	358	0.00	ppbv	#	71
18) 1,1-Dichloroethene	4.48	96	8740	0.14	ppbv		85
19) Isopropyl Alcohol	4.17	45	11486	0.12	ppbv	#	94
20) Methylene Chloride	4.54	84	16995	0.27	ppbv		87
21) Allyl Chloride	4.61	41	7612	0.08	ppbv	#	39
22) trans-1,2-Dichloroethene	5.09	96	2767	0.04	ppbv	#	59
23) Vinyl Acetate	5.28	43	2482	0.01	ppbv	#	68
24) 1,1-Dichloroethane	5.22	63	15225	0.09	ppbv	#	95
25) Ethyl Acetate	5.93	43	33341	0.12	ppbv	#	97
26) Hexane	5.91	57	4425	0.03	ppbv	#	1
27) Carbon Disulfide	4.76	76	18234	0.11	ppbv	#	57
28) Methyl tert-Butyl Ether	5.27	73	16426	0.11	ppbv		93
29) Chloroform	5.99	83	27403	0.13	ppbv		100
30) Cyclohexane	7.41	84	6151	0.06	ppbv	#	1
31) cis-1,2-Dichloroethene	5.78	61	7707	0.06	ppbv		90
32) 1,1,1-Trichloroethane	6.77	97	25335	0.12	ppbv		87
34) 2-Butanone	5.49	43	21963	0.13	ppbv		99
35) Carbon Tetrachloride	7.29	117	15727	0.07	ppbv		96
36) Benzene	7.16	78	25284	0.10	ppbv		98
37) 1,2-Dichloroethane	6.56	62	13943	0.07	ppbv	#	85
38) Trichloroethene	8.13	130	4317	0.05	ppbv		93
39) 1,2-Dichloropropane	7.45	63	766300	8.42	ppbv	#	22
40) 1,4-Dioxane	8.16	88	44	0.00	ppbv	#	1
41) Tetrahydrofuran	6.33	42	4848	0.05	ppbv	#	38
42) Bromodichloromethane	8.08	83	9635	0.04	ppbv		99
43) Methyl Methacrylate	8.28	69	327	0.00	ppbv	#	1

Quantitation Report (Not Reviewed)

Data Path : W:\HPCHEM1\MSVOA_L\DATA\VL012218\
Data File : VL031431.D
Acq On : 23 Jan 2018 00:51
Operator : SY/AP
Sample : J1089-13
Misc : 400ml/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_L
ClientSampleId : MDL-AIR-6

Quant Time: Jan 23 06:22:21 2018
Quant Method : W:\HPCHEM1\MSVOA_L\METHODS\VL012218AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LMon Jan 22 17:52:32 2018
QLast Update : Mon Jan 22 17:52:32 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
44) 2,2,4-Trimethylpentane	8.16	57	36615	0.09	ppbv	#	84
45) t-1,3-Dichloropropene	9.58	75	8706	0.07	ppbv	#	85
46) cis-1,3-Dichloropropene	9.00	75	5542	0.04	ppbv	#	68
47) 1,1,2-Trichloroethane	9.77	97	8225	0.08	ppbv	#	82
48) Dibromochloromethane	10.61	129	9432	0.05	ppbv	#	10
49) Bromoform	13.37	173	12862	0.09	ppbv	#	80
50) 4-Methyl-2-Pentanone	9.07	43	10575	0.05	ppbv	#	59
51) 2-Hexanone	10.44	43	658	0.00	ppbv	#	31
52) Tetrachloroethene	11.55	164	3116	0.03	ppbv		87
53) Toluene	10.11	91	13178	0.05	ppbv	#	35
54) 1,2-Dibromoethane	10.92	107	7019	0.04	ppbv		81
56) 1,1,1,2-Tetrachloroethane	12.45	131	9885	0.08	ppbv	#	27
57) Chlorobenzene	12.47	112	31428	0.14	ppbv	#	67
58) Ethyl Benzene	13.04	91	34668	0.09	ppbv		99
59) m/p-Xylene	13.31	91	30358	0.09	ppbv	#	40
60) o-Xylene	14.02	91	27067	0.08	ppbv		96
61) Styrene	13.85	104	3715	0.05	ppbv	#	54
62) Isopropylbenzene	14.99	105	24692	0.06	ppbv	#	68
63) 1,1,2,2-Tetrachloroethane	14.00	83	10570	0.05	ppbv	#	1
64) n-propylbenzene	15.89	120	8117	0.08	ppbv		69
65) tert-Butylbenzene	17.08	119	13698	0.04	ppbv	#	1
66) Benzyl Chloride	17.32	91	1030	0.03	ppbv	#	66
67) sec-Butylbenzene	17.62	105	14267	0.03	ppbv	#	11
69) p-Isopropyltoluene	17.98	119	12041	0.03	ppbv	#	46
70) n-Butylbenzene	18.88	91	33100	0.08	ppbv		96
71) 2-Chlorotoluene	15.79	91	26813	0.08	ppbv		93
72) 4-Ethyltoluene	16.17	105	3955	0.01	ppbv	#	1
73) 1,3,5-Trimethylbenzene	16.33	105	23653	0.08	ppbv		94
74) 1,2,4-Trimethylbenzene	17.09	105	13809	0.04	ppbv	#	76
75) 1,3-Dichlorobenzene	17.32	146	9298	0.04	ppbv	#	23
76) 1,4-Dichlorobenzene	17.48	146	16480	0.08	ppbv	#	66
77) 1,2-Dichlorobenzene	18.16	146	15450	0.08	ppbv	#	63
78) Hexachloro-1,3-Butadiene	23.71	225	7756	0.11	ppbv	#	37
79) Naphthalene	22.61	128	5496	0.03	ppbv	#	76
80) Naphthalene,2-methyl-	25.35	142	261	0.00	ppbv		97
81) 1,2,4-Trichlorobenzene	22.33	180	1427	0.01	ppbv	#	12

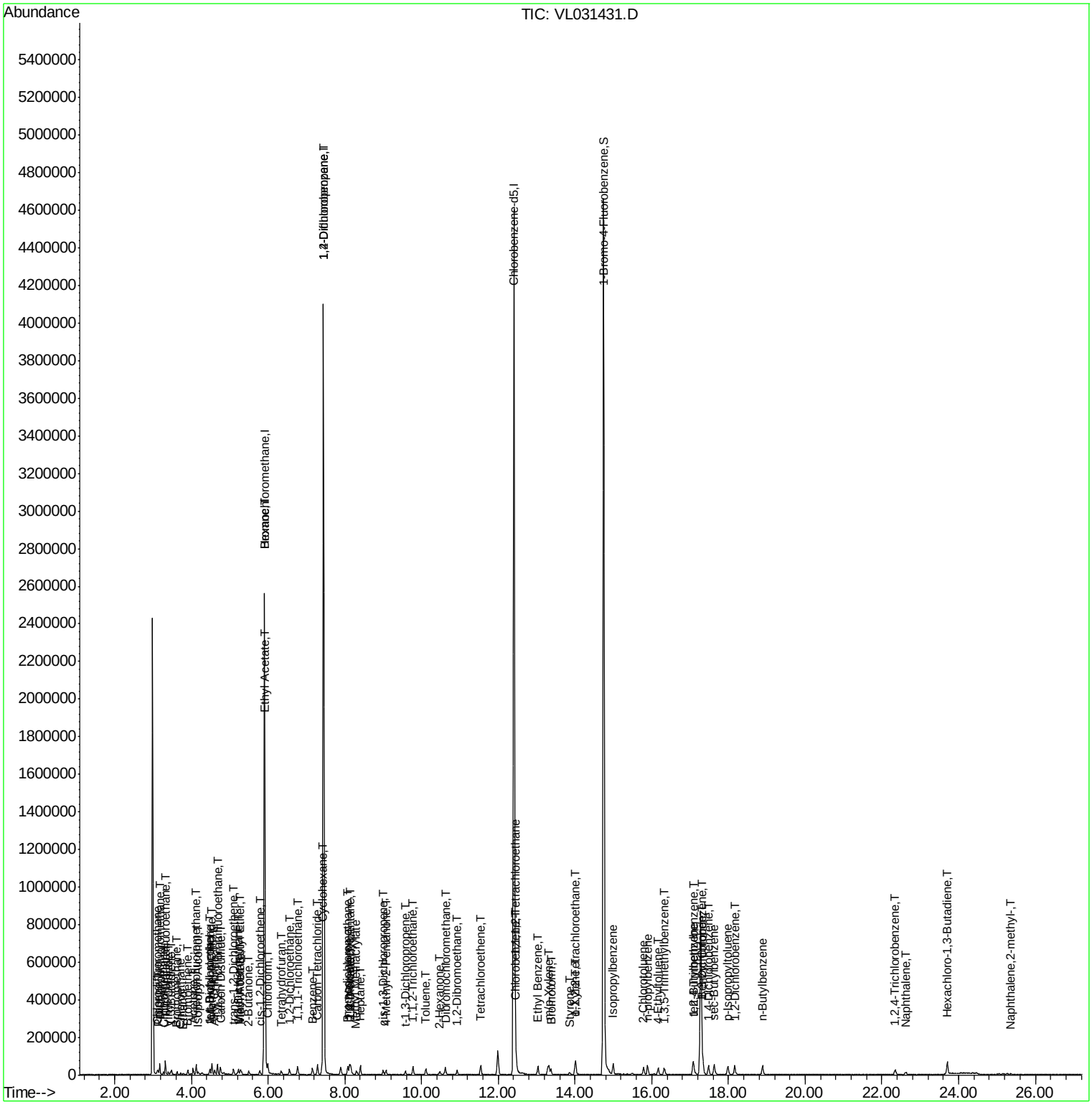
(#) = qualifier out of range (m) = manual integration (+) = signals summed

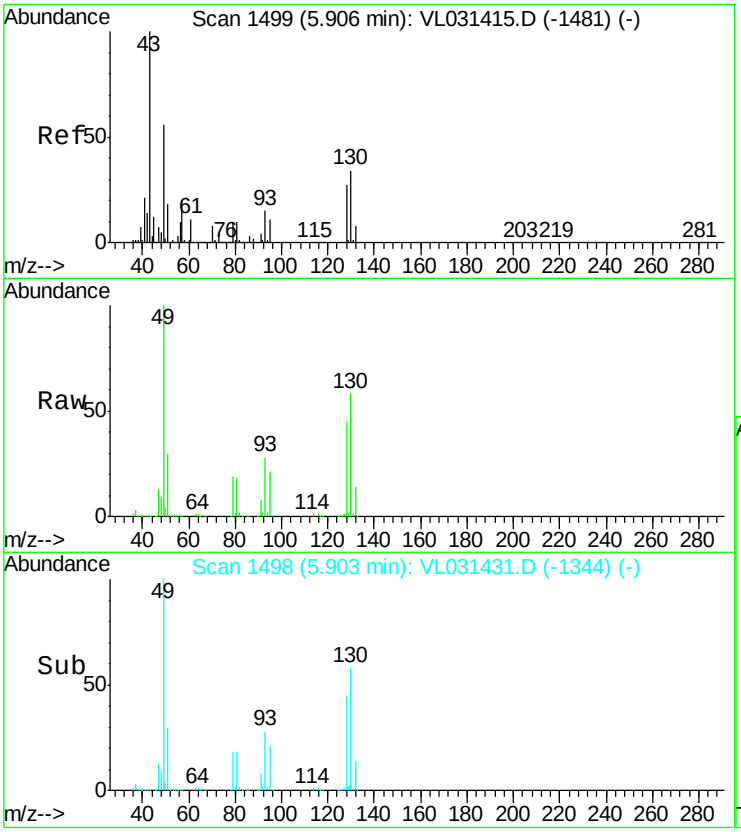
Quantitation Report (Not Reviewed)

Data Path : W:\HPCHEM1\MSVOA_L\DATA\VL012218\
Data File : VL031431.D
Acq On : 23 Jan 2018 00:51
Operator : SY/AP
Sample : J1089-13
Misc : 400ml/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_L
ClientSampleId : MDL-AIR-6

Quant Time: Jan 23 06:22:21 2018
Quant Method : W:\HPCHEM1\MSVOA_L\METHODS\VL012218AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LMon Jan 22 17:52:32 2018
QLast Update : Mon Jan 22 17:52:32 2018
Response via : Initial Calibration



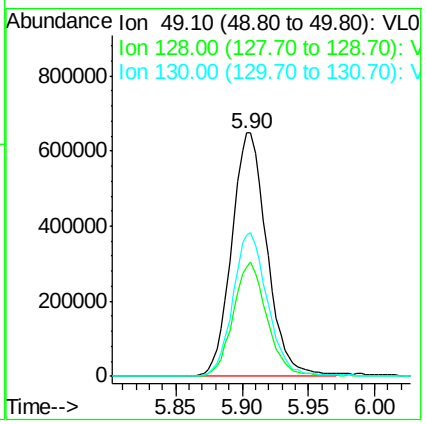


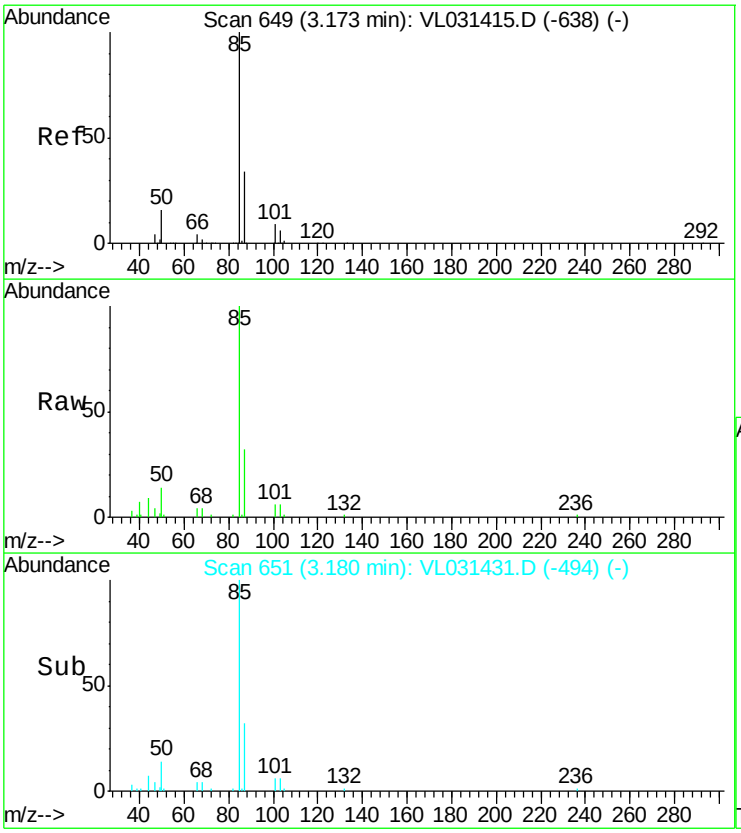
#1
Bromochloromethane
Concen: 10.00 ppbv
RT: 5.90 min Scan# 1498
Delta R.T. -0.01 min
Lab File: VL031431.D
Acq: 23 Jan 2018 00:51

Instrument :
MSVOA_L
ClientSampleId :
MDL-AIR-6

Tgt Ion: 49 Resp: 1201073

Ion	Ratio	Lower	Upper
49	100		
128	45.4	23.5	70.6
130	58.7	29.9	89.7

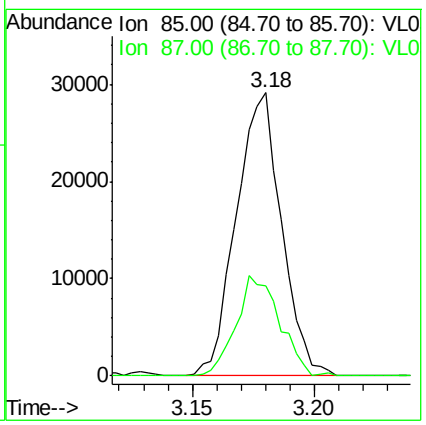


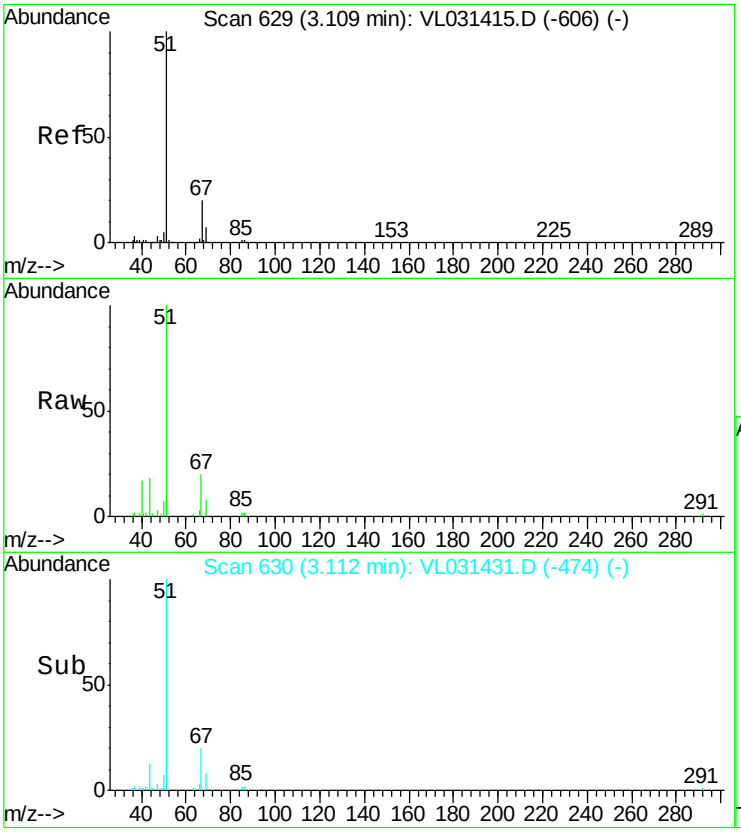


#2
Dichlorodifluoromethane
Concen: 0.22 ppbv
RT: 3.18 min Scan# 651
Delta R.T. 0.00 min
Lab File: VL031431.D
Acq: 23 Jan 2018 00:51

Tgt Ion: 85 Resp: 37441

Ion	Ratio	Lower	Upper
85	100		
87	31.7	27.4	41.0



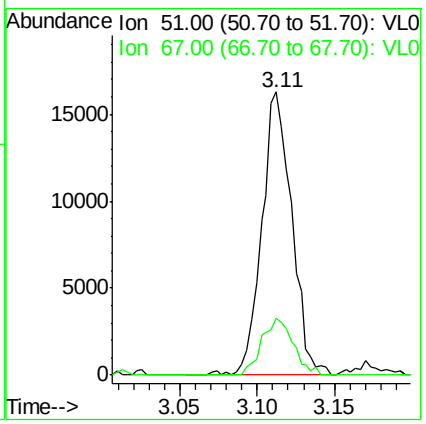


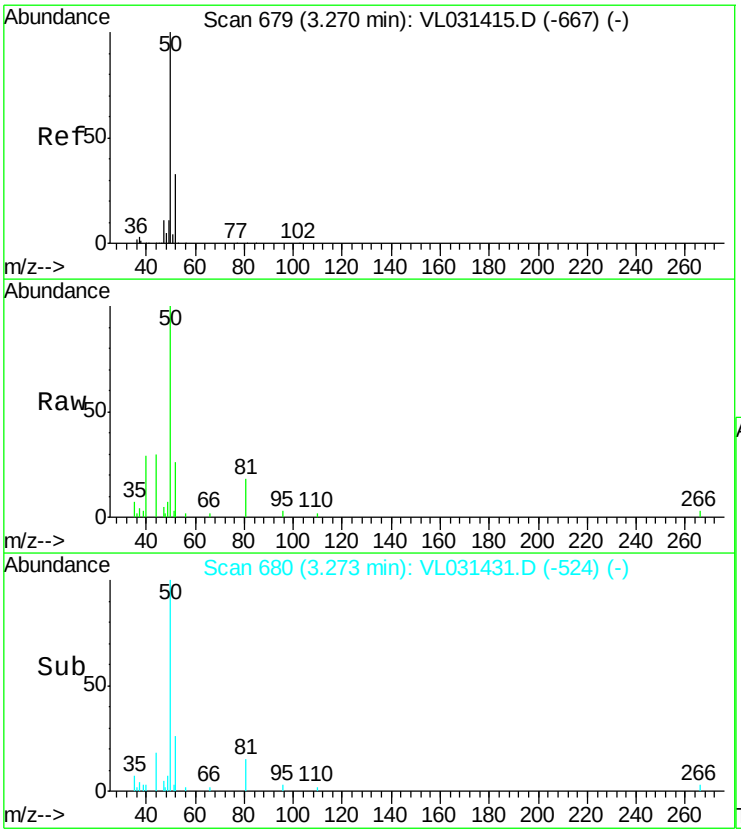
#3
Chlorodifluoromethane
Concen: 0.14 ppbv
RT: 3.11 min Scan# 630
Delta R.T. 0.00 min
Lab File: VL031431.D
Acq: 23 Jan 2018 00:51

Instrument : MSVOA_L
ClientSampleId : MDL-AIR-6

Tgt Ion: 51 Resp: 21857

Ion	Ratio	Lower	Upper
51	100		
67	21.1	16.0	24.0

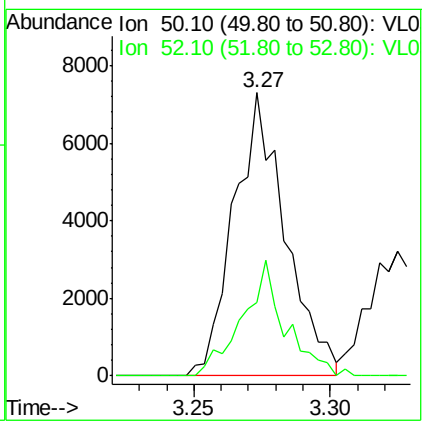


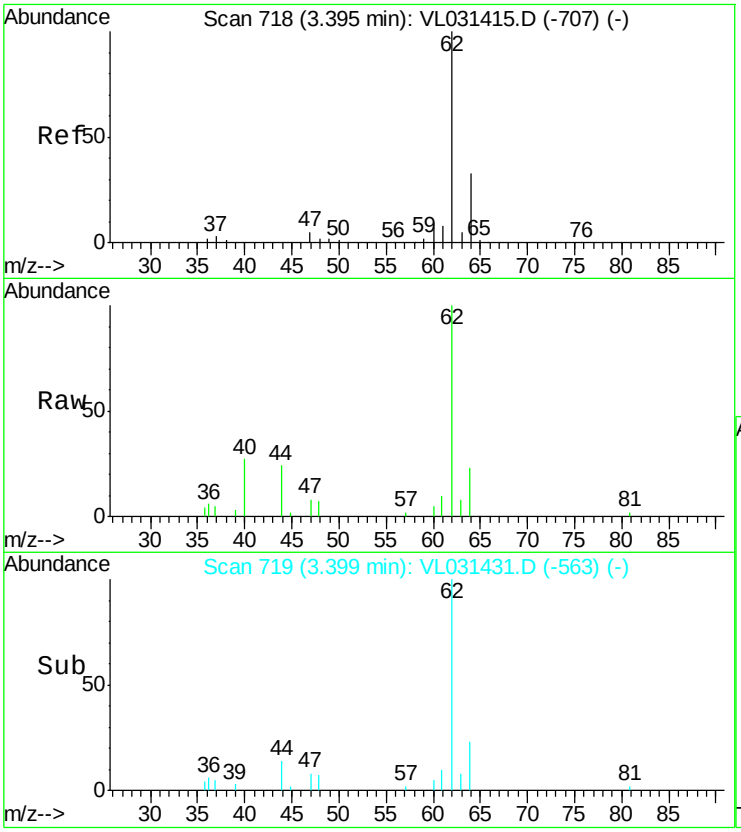


#4
Chloromethane
Concen: 0.13 ppbv
RT: 3.27 min Scan# 680
Delta R.T. 0.00 min
Lab File: VL031431.D
Acq: 23 Jan 2018 00:51

Tgt Ion: 50 Resp: 9560

Ion	Ratio	Lower	Upper
50	100		
52	25.8	26.4	39.6#



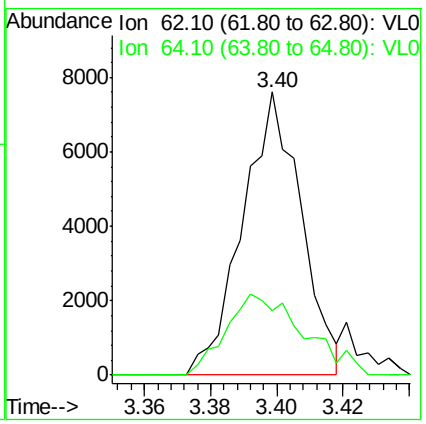


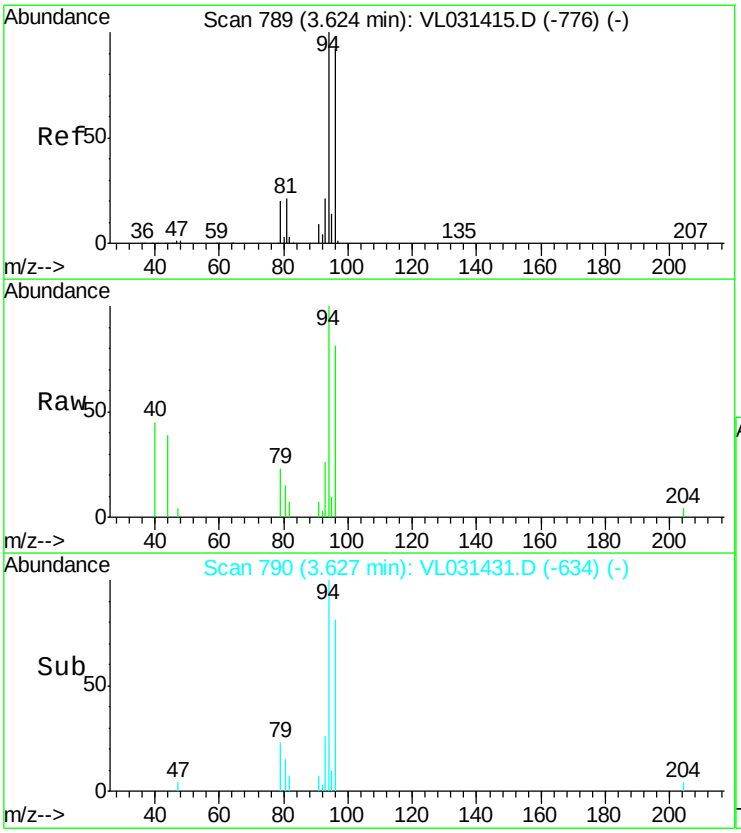
#5
Vinyl Chloride
Concen: 0.14 ppbv
RT: 3.40 min Scan# 719
Delta R.T. 0.00 min
Lab File: VL031431.D
Acq: 23 Jan 2018 00:51

Instrument :
MSVOA_L
ClientSampleId :
MDL-AIR-6

Tgt Ion: 62 Resp: 9324

Ion	Ratio	Lower	Upper
62	100		
64	22.8	25.4	38.0#

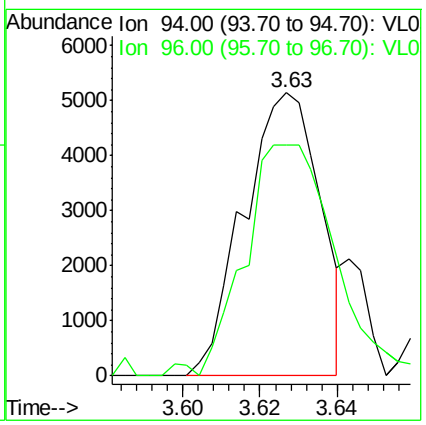


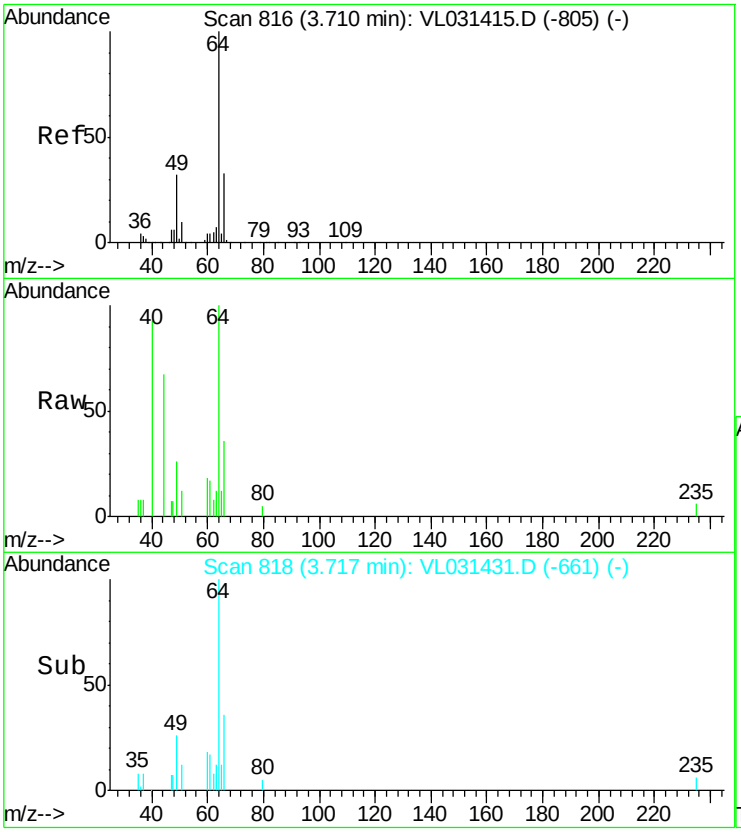


#6
Bromomethane
Concen: 0.14 ppbv
RT: 3.63 min Scan# 790
Delta R.T. 0.00 min
Lab File: VL031431.D
Acq: 23 Jan 2018 00:51

Tgt Ion: 94 Resp: 7044

Ion	Ratio	Lower	Upper
94	100		
96	77.8	75.1	112.7



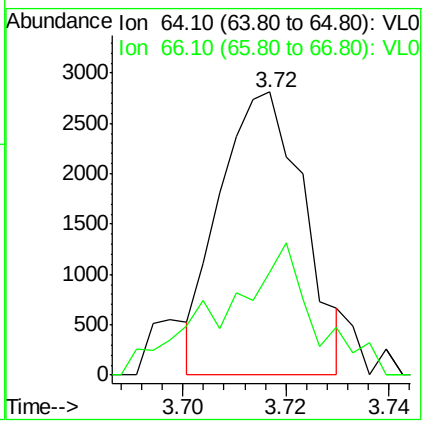


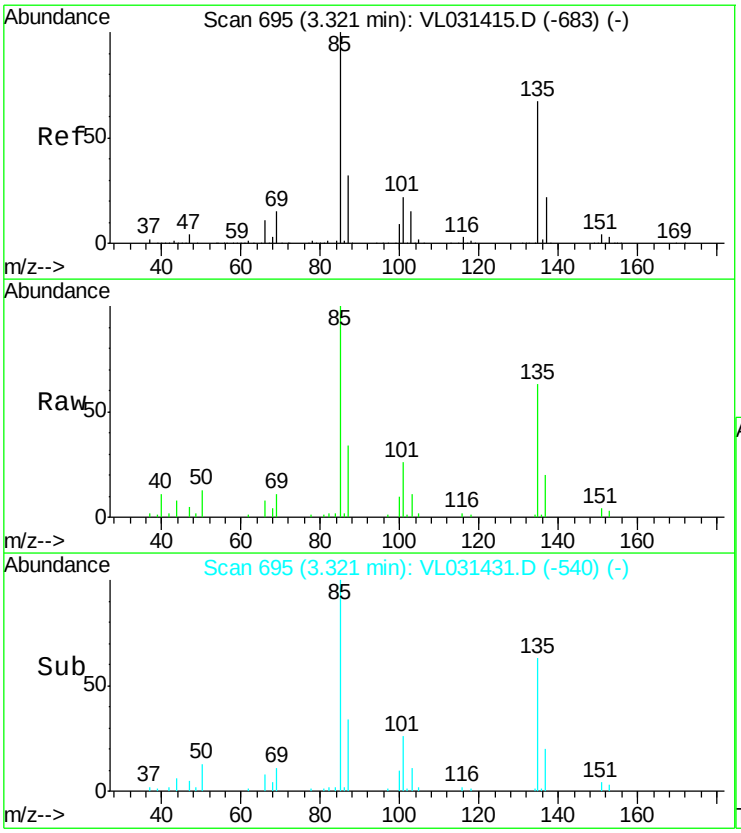
#7
Chloroethane
Concen: 0.11 ppbv
RT: 3.72 min Scan# 818
Delta R.T. 0.00 min
Lab File: VL031431.D
Acq: 23 Jan 2018 00:51

Instrument : MSVOA_L
ClientSampleId : MDL-AIR-6

Tgt Ion: 64 Resp: 3166

Ion	Ratio	Lower	Upper
64	100		
66	32.6	26.3	39.5

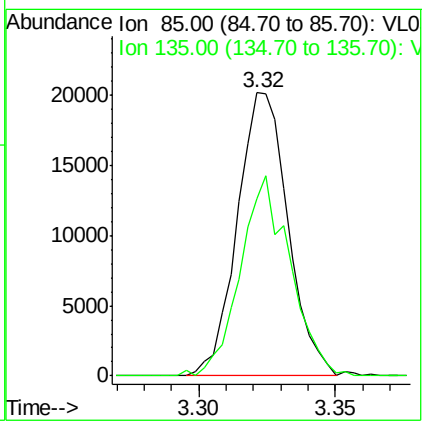


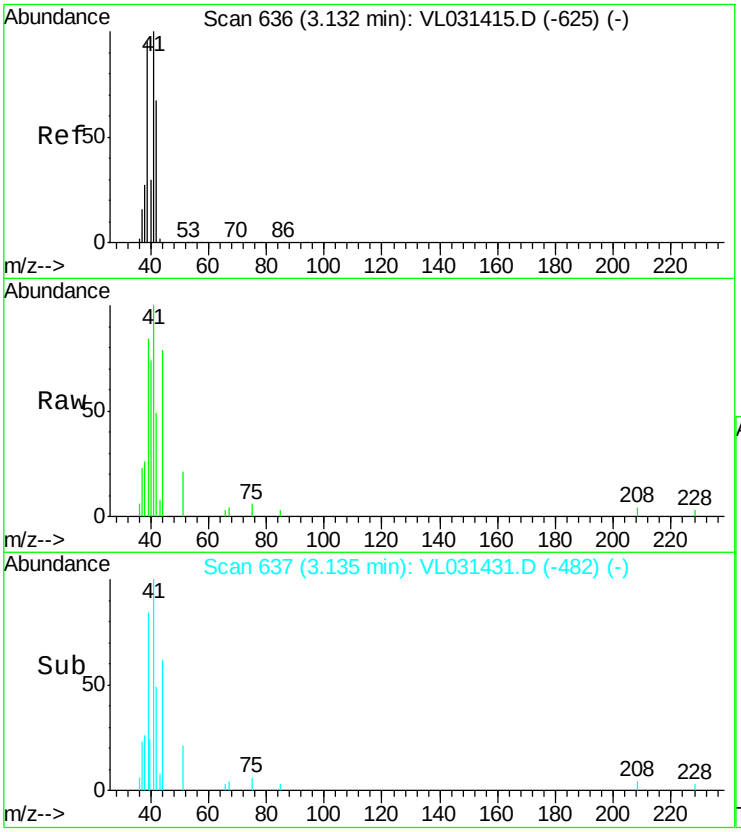


#8
Dichlorotetrafluoroethane
Concen: 0.14 ppbv
RT: 3.32 min Scan# 695
Delta R.T. -0.00 min
Lab File: VL031431.D
Acq: 23 Jan 2018 00:51

Tgt Ion: 85 Resp: 25944

Ion	Ratio	Lower	Upper
85	100		
135	69.5	53.3	79.9



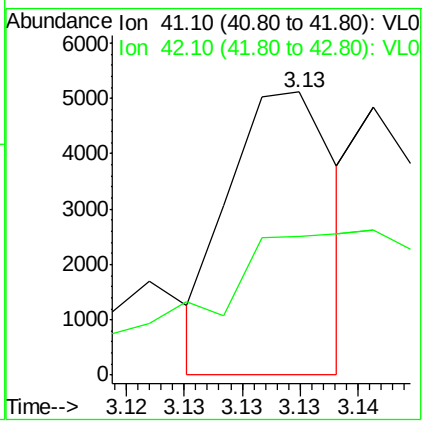


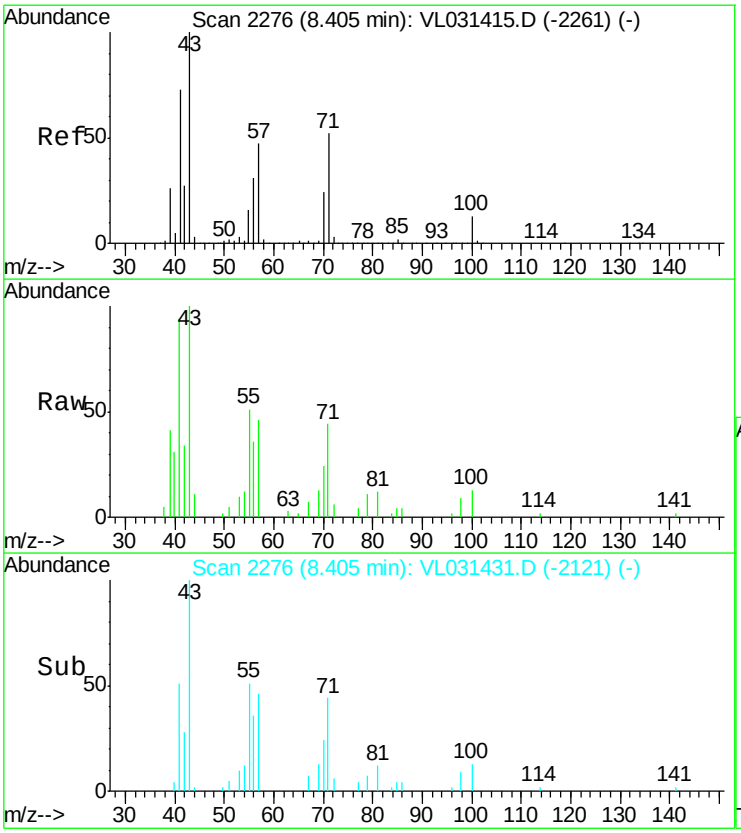
#9
Propene
Concen: 0.06 ppbv
RT: 3.13 min Scan# 637
Delta R.T. -0.00 min
Lab File: VL031431.D
Acq: 23 Jan 2018 00:51

Instrument :
MSVOA_L
ClientSampleId :
MDL-AIR-6

Tgt Ion: 41 Resp: 3279

Ion	Ratio	Lower	Upper
41	100		
42	0.0	54.6	82.0#

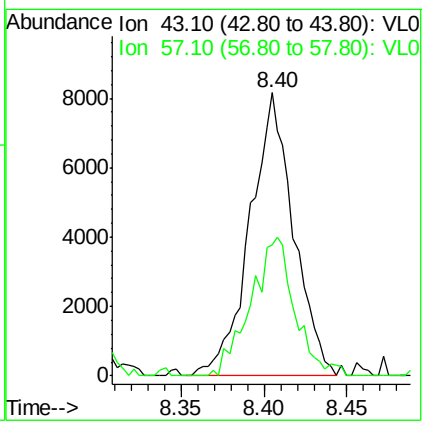


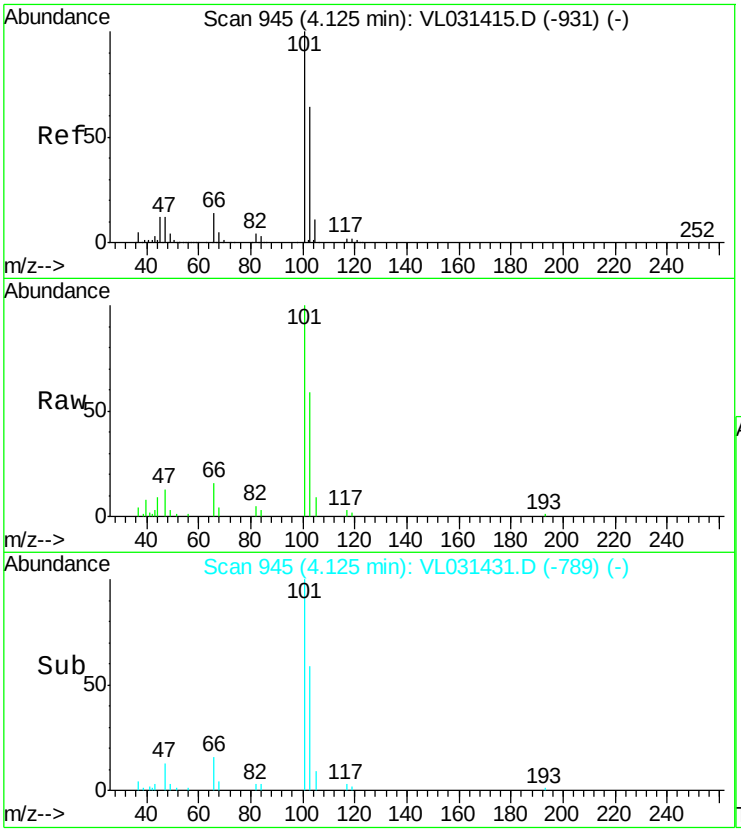


#10
Heptane
Concen: 0.09 ppbv
RT: 8.40 min Scan# 2276
Delta R.T. -0.00 min
Lab File: VL031431.D
Acq: 23 Jan 2018 00:51

Tgt Ion: 43 Resp: 15002

Ion	Ratio	Lower	Upper
43	100		
57	49.4	39.7	59.5



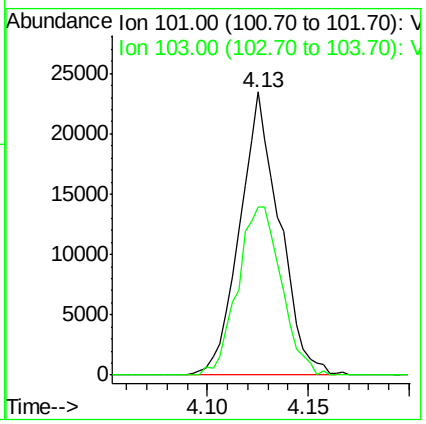


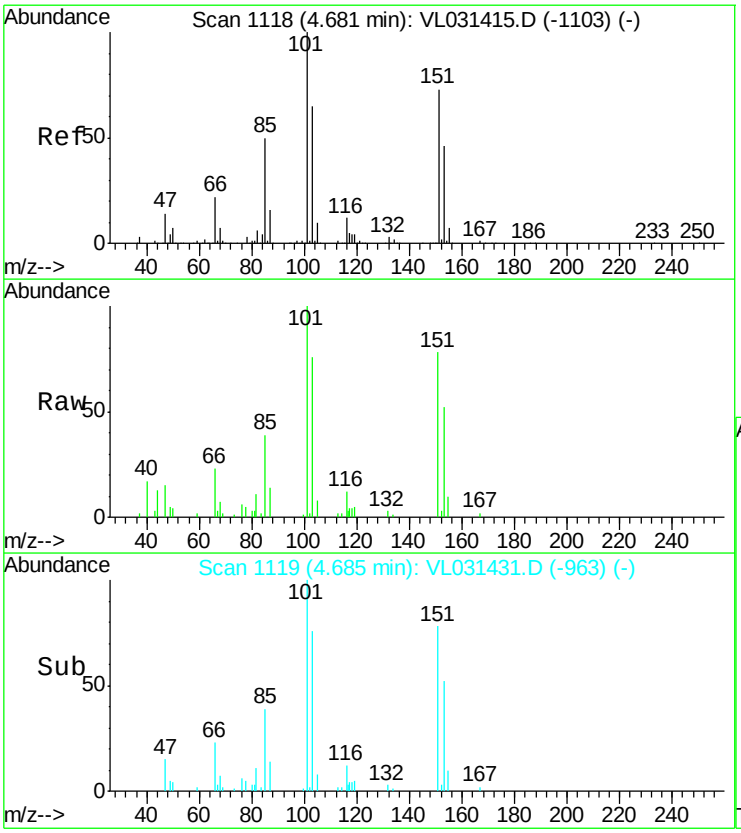
#11
Trichlorofluoromethane
Concen: 0.14 ppbv
RT: 4.13 min Scan# 945
Delta R.T. 0.00 min
Lab File: VL031431.D
Acq: 23 Jan 2018 00:51

Instrument :
MSVOA_L
ClientSampleId :
MDL-AIR-6

Tgt Ion:101 Resp: 32440

Ion	Ratio	Lower	Upper
101	100		
103	59.4	53.1	79.7

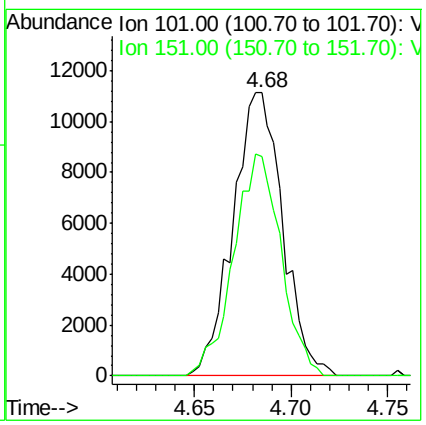


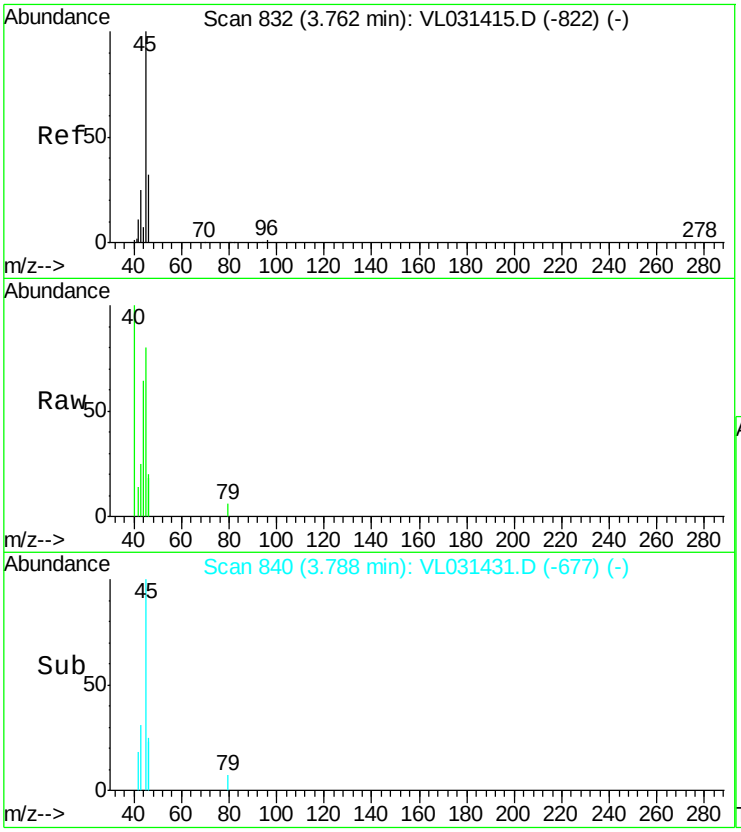


#12
1,1,2-Trichlorotrifluoroethane
Concen: 0.14 ppbv
RT: 4.68 min Scan# 1119
Delta R.T. 0.00 min
Lab File: VL031431.D
Acq: 23 Jan 2018 00:51

Tgt Ion:101 Resp: 19936

Ion	Ratio	Lower	Upper
101	100		
151	74.3	58.1	87.1



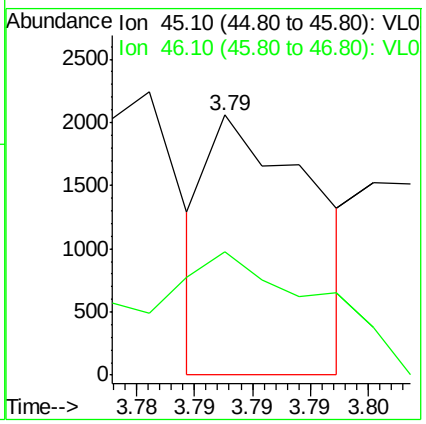


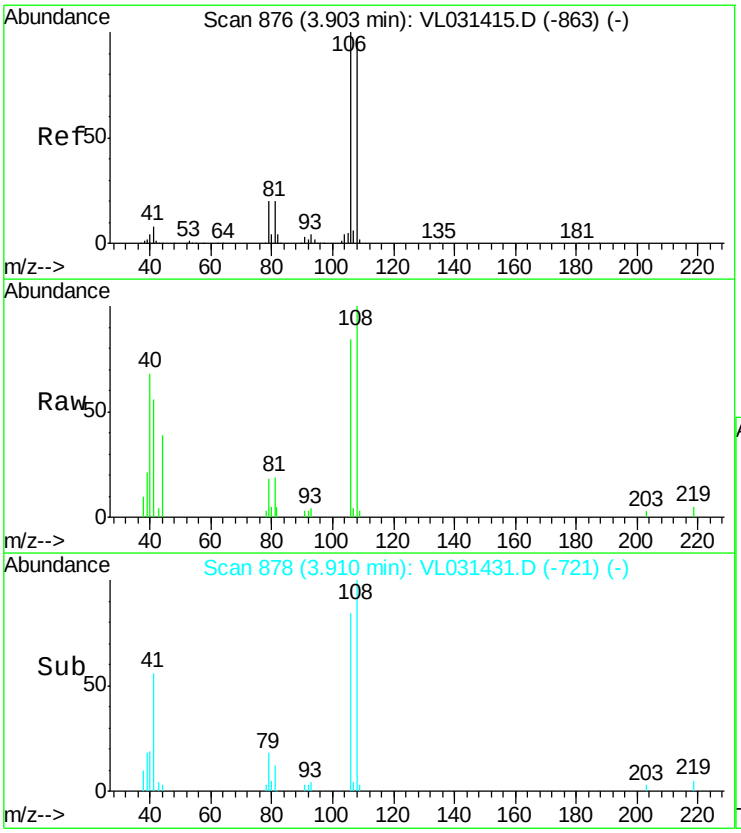
#13
Ethanol
Concen: 0.08 ppbv
RT: 3.79 min Scan# 840
Delta R.T. 0.02 min
Lab File: VL031431.D
Acq: 23 Jan 2018 00:51

Instrument :
MSVOA_L
ClientSampleId :
MDL-AIR-6

Tgt Ion: 45 Resp: 1291

Ion	Ratio	Lower	Upper
45	100		
46	115.6	14.9	59.5#

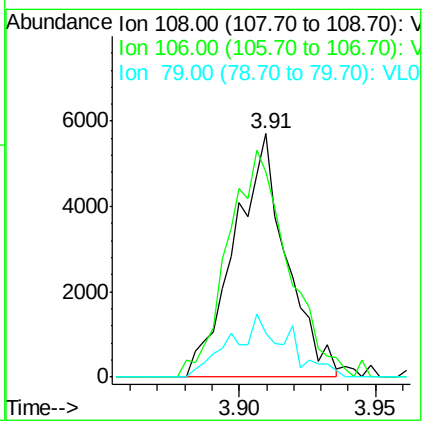


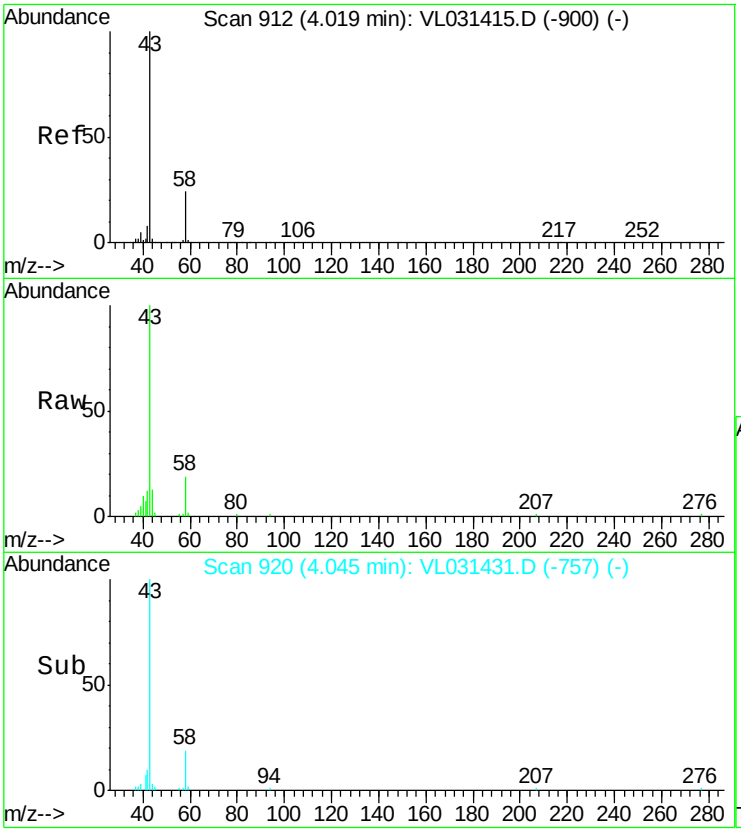


#14
Bromoethene
Concen: 0.13 ppbv
RT: 3.91 min Scan# 878
Delta R.T. 0.00 min
Lab File: VL031431.D
Acq: 23 Jan 2018 00:51

Tgt Ion:108 Resp: 7556

Ion	Ratio	Lower	Upper
108	100		
106	108.7	85.3	127.9
79	28.1	16.8	25.2#



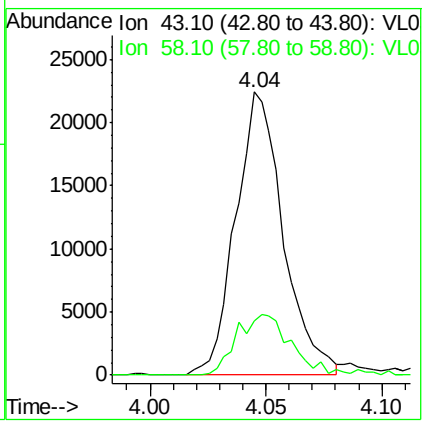


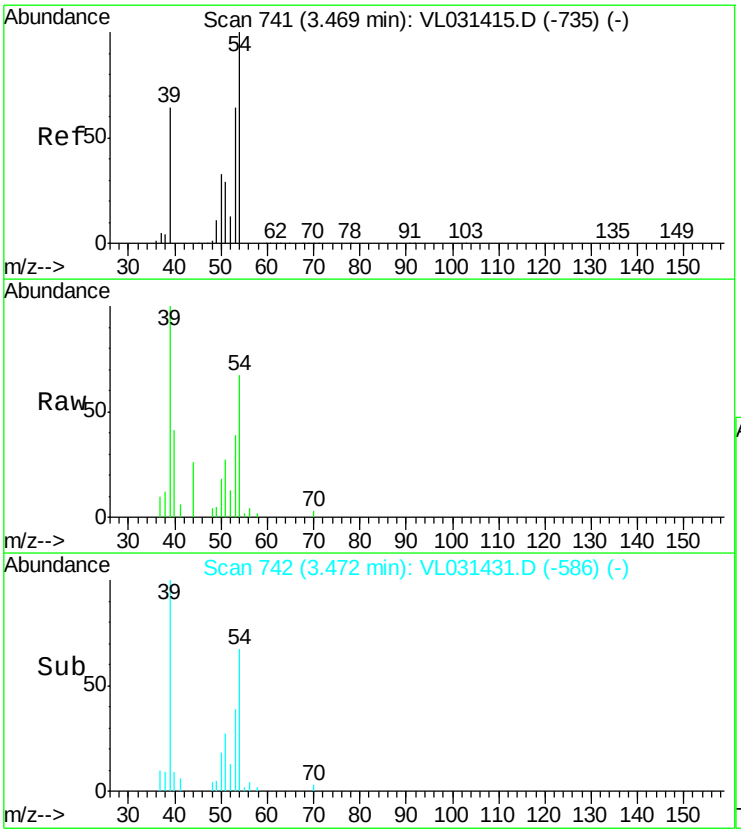
#15
Acetone
Concen: 0.20 ppbv
RT: 4.04 min Scan# 920
Delta R.T. 0.02 min
Lab File: VL031431.D
Acq: 23 Jan 2018 00:51

Instrument : MSVOA_L
ClientSampleId : MDL-AIR-6

Tgt Ion: 43 Resp: 32055

Ion	Ratio	Lower	Upper
43	100		
58	25.3	19.4	29.2

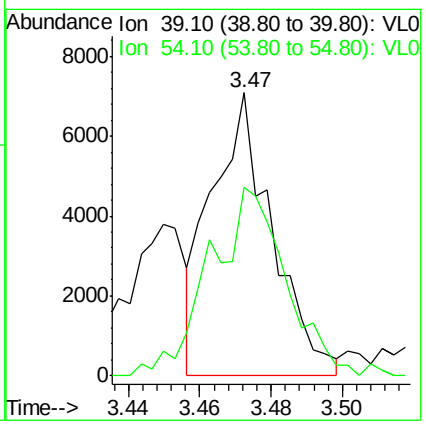


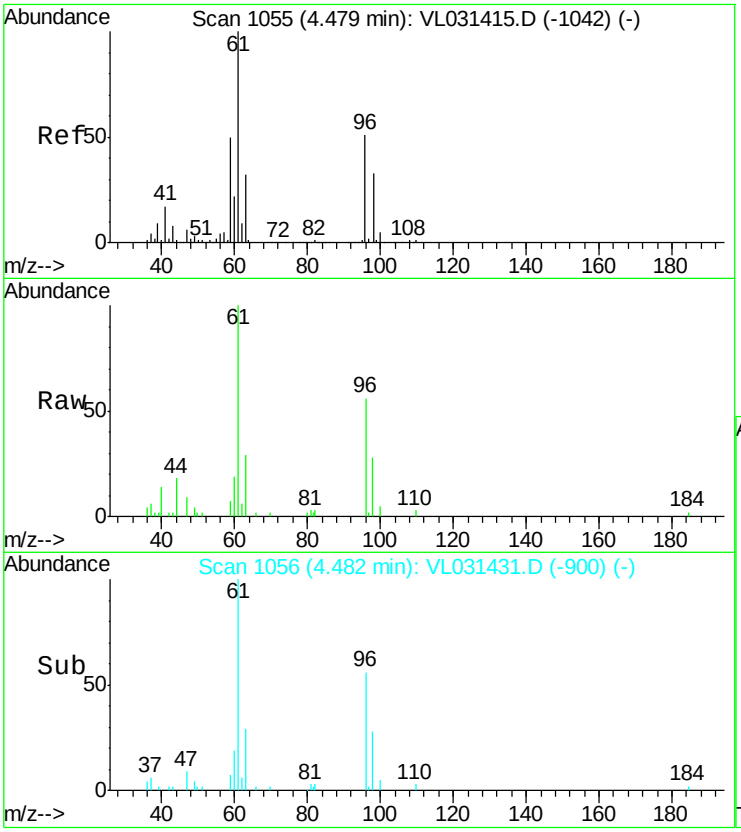


#16
1,3-Butadiene
Concen: 0.12 ppbv
RT: 3.47 min Scan# 742
Delta R.T. 0.00 min
Lab File: VL031431.D
Acq: 23 Jan 2018 00:51

Tgt Ion: 39 Resp: 8321

Ion	Ratio	Lower	Upper
39	100		
54	84.2	67.0	100.6



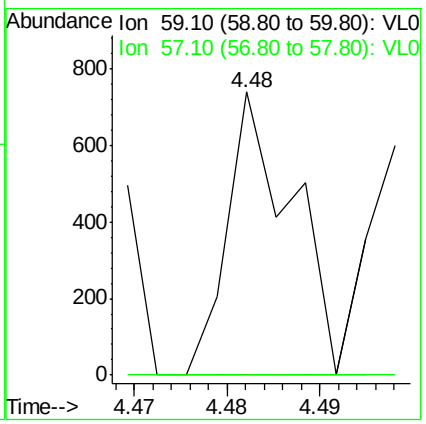


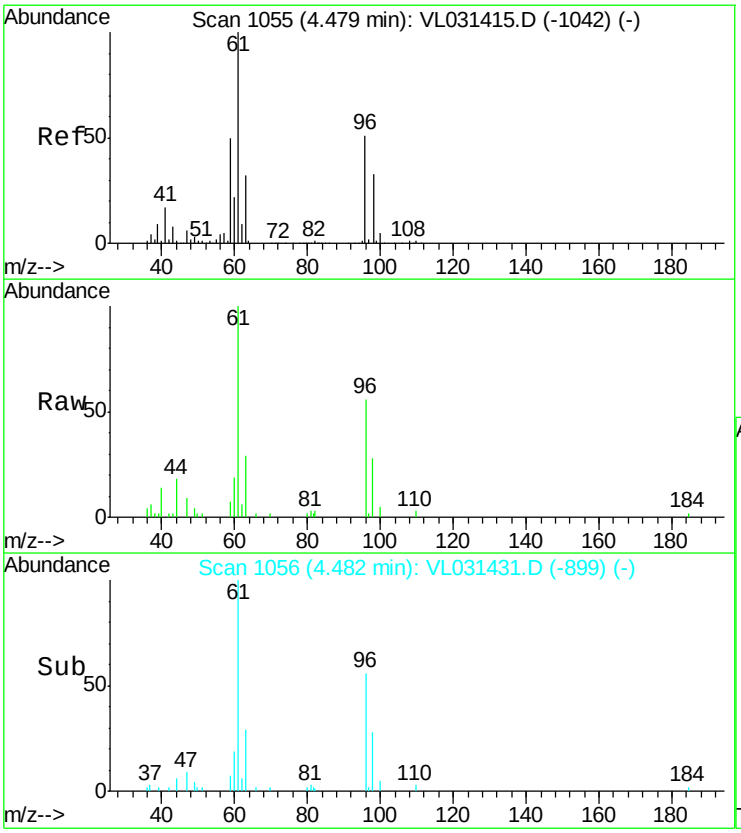
#17
tert-Butyl alcohol
Concen: 0.00 ppbv
RT: 4.48 min Scan# 1056
Delta R.T. 0.00 min
Lab File: VL031431.D
Acq: 23 Jan 2018 00:51

Instrument :
MSVOA_L
ClientSampleId :
MDL-AIR-6

Tgt Ion: 59 Resp: 358

Ion	Ratio	Lower	Upper
59	100		
57	0.0	8.6	13.0#

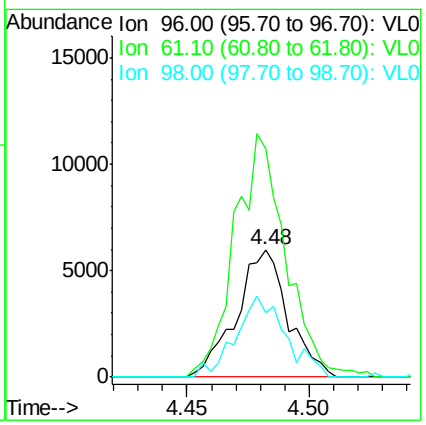


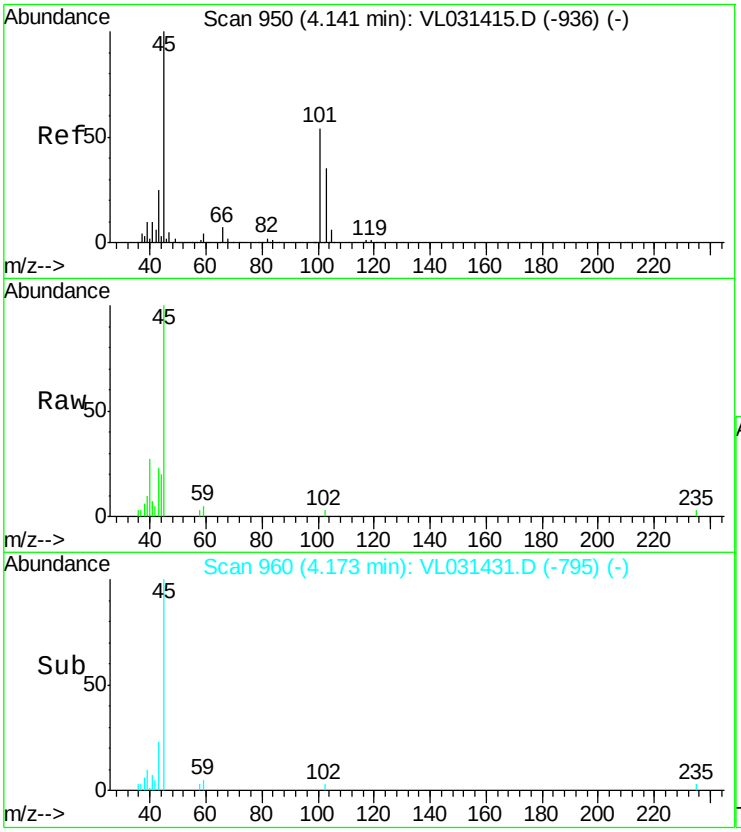


#18
1,1-Dichloroethene
Concen: 0.14 ppbv
RT: 4.48 min Scan# 1056
Delta R.T. 0.00 min
Lab File: VL031431.D
Acq: 23 Jan 2018 00:51

Tgt Ion: 96 Resp: 8740

Ion	Ratio	Lower	Upper
96	100		
61	179.5	161.6	242.4
98	50.9	49.6	74.4



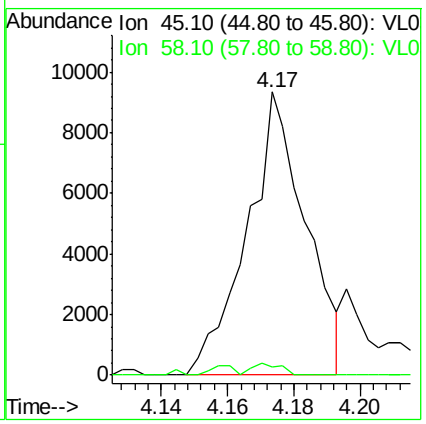


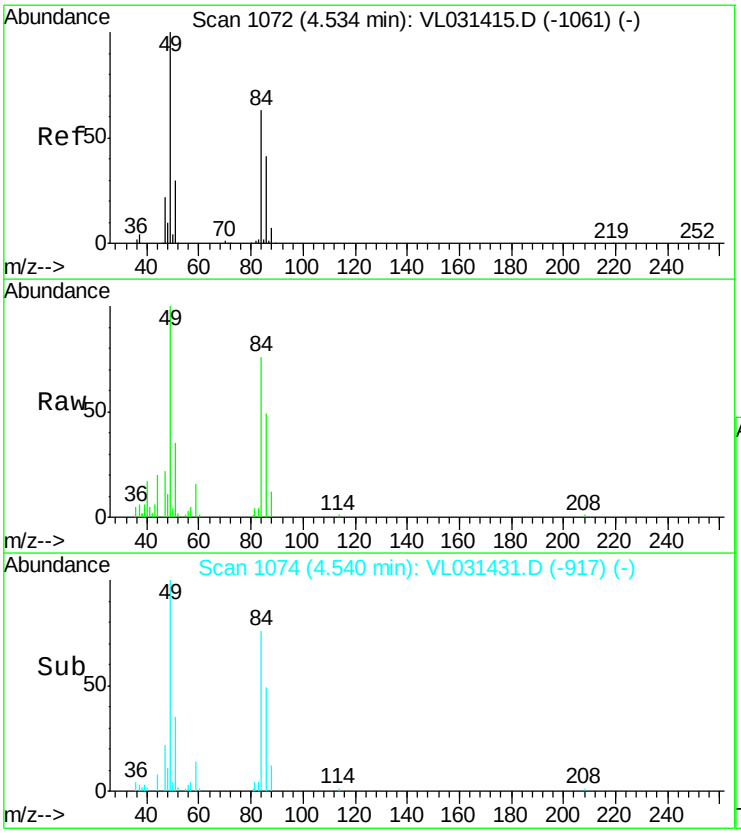
#19
Isopropyl Alcohol
Concen: 0.12 ppbv
RT: 4.17 min Scan# 960
Delta R.T. 0.03 min
Lab File: VL031431.D
Acq: 23 Jan 2018 00:51

Instrument :
MSVOA_L
ClientSampleId :
MDL-AIR-6

Tgt Ion: 45 Resp: 11486

Ion	Ratio	Lower	Upper
45	100		
58	3.6	1.0	1.4#

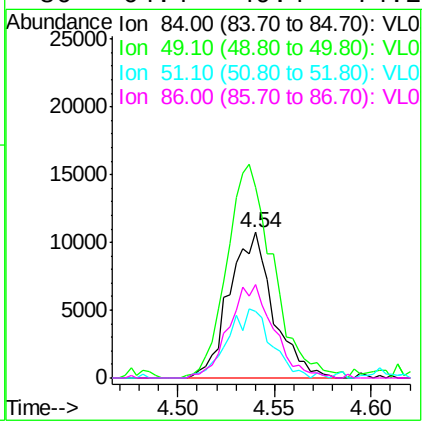


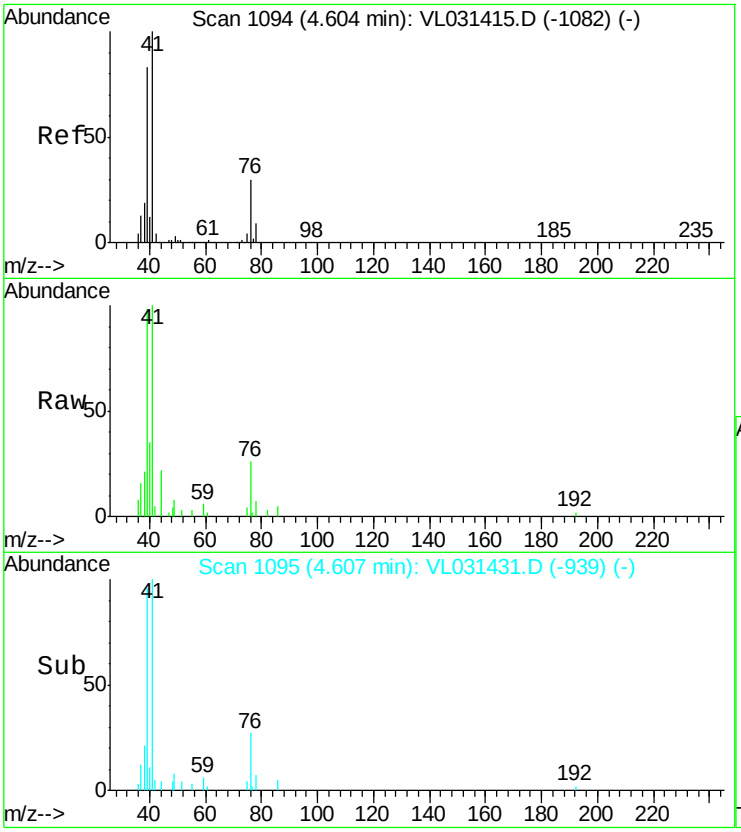


#20
Methylene Chloride
Concen: 0.27 ppbv
RT: 4.54 min Scan# 1074
Delta R.T. 0.00 min
Lab File: VL031431.D
Acq: 23 Jan 2018 00:51

Tgt Ion: 84 Resp: 16995

Ion	Ratio	Lower	Upper
84	100		
49	129.3	123.4	185.0
51	45.8	35.6	53.4
86	64.4	49.4	74.2



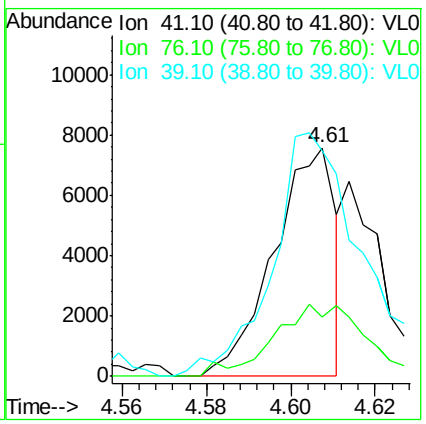


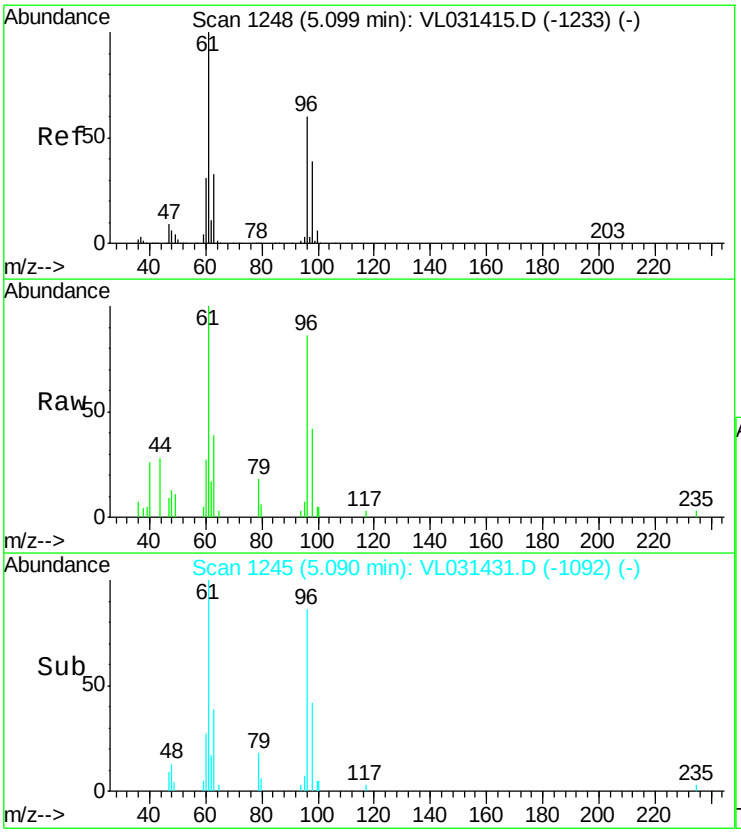
#21
Allyl Chloride
Concen: 0.08 ppbv
RT: 4.61 min Scan# 1095
Delta R.T. 0.00 min
Lab File: VL031431.D
Acq: 23 Jan 2018 00:51

Instrument : MSVOA_L
ClientSampleId : MDL-AIR-6

Tgt Ion: 41 Resp: 7612

Ion	Ratio	Lower	Upper
41	100		
76	49.8	24.2	36.2#
39	151.8	69.8	104.8#

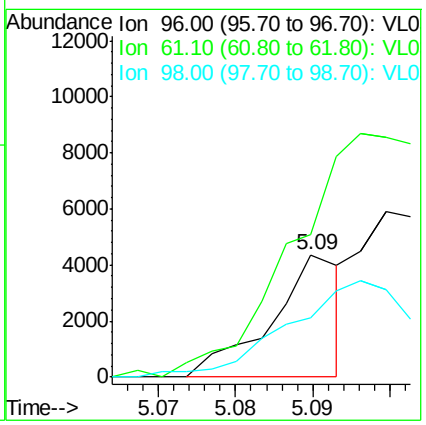


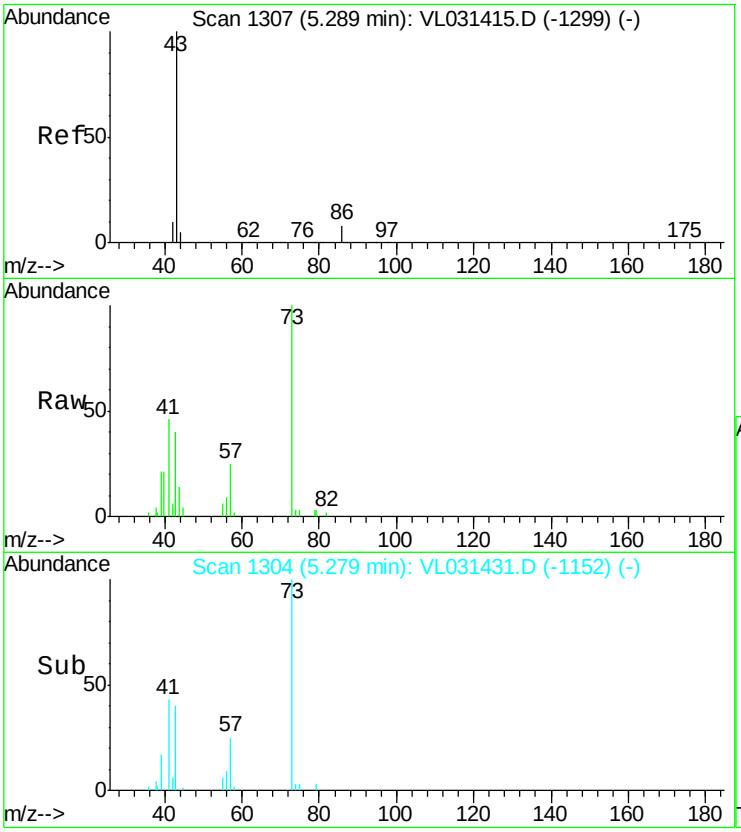


#22
trans-1,2-Dichloroethene
Concen: 0.04 ppbv
RT: 5.09 min Scan# 1245
Delta R.T. -0.01 min
Lab File: VL031431.D
Acq: 23 Jan 2018 00:51

Tgt Ion: 96 Resp: 2767

Ion	Ratio	Lower	Upper
96	100		
61	104.6	135.0	202.4#
98	44.7	52.2	78.2#



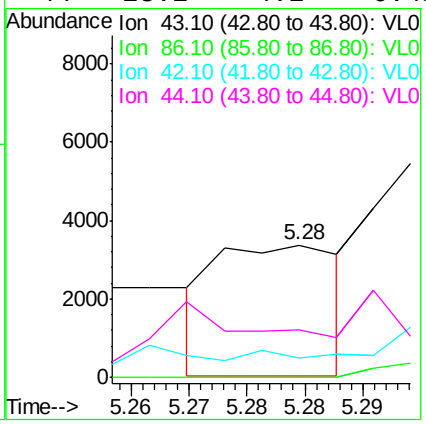


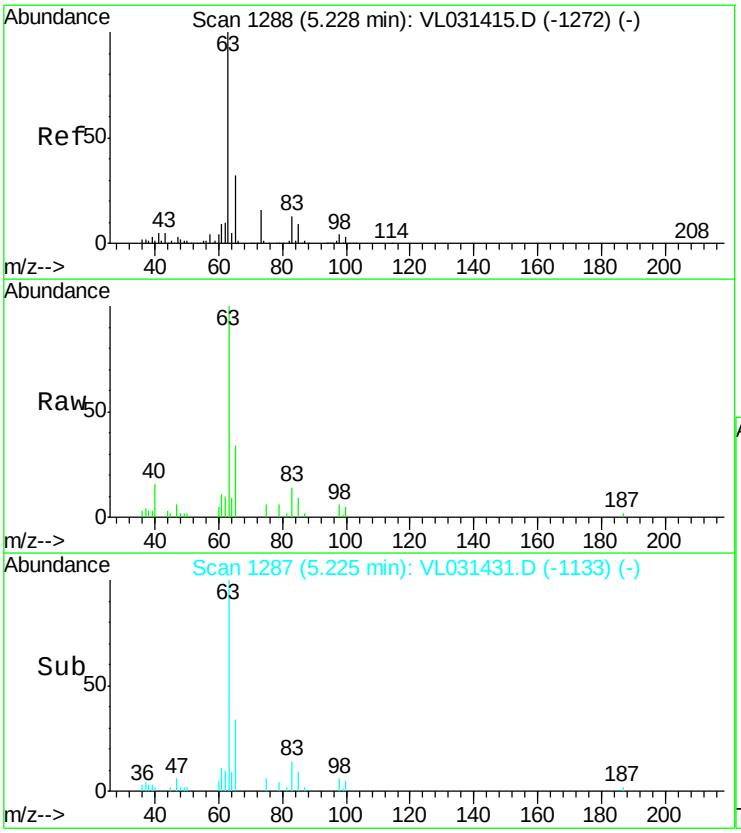
#23
Vinyl Acetate
Concen: 0.01 ppbv
RT: 5.28 min Scan# 1304
Delta R.T. -0.01 min
Lab File: VL031431.D
Acq: 23 Jan 2018 00:51

Instrument : MSVOA_L
ClientSampleId : MDL-AIR-6

Tgt Ion: 43 Resp: 2482

Ion	Ratio	Lower	Upper
43	100		
86	0.0	5.6	8.4#
42	0.0	8.6	12.8#
44	23.2	4.2	6.4#

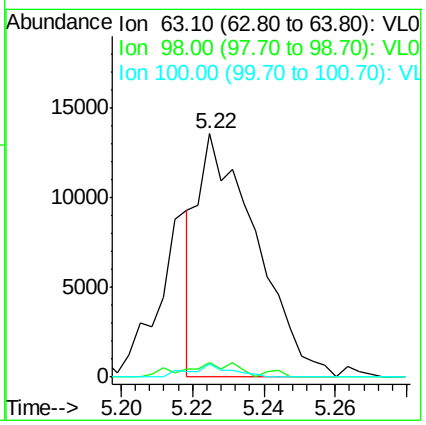


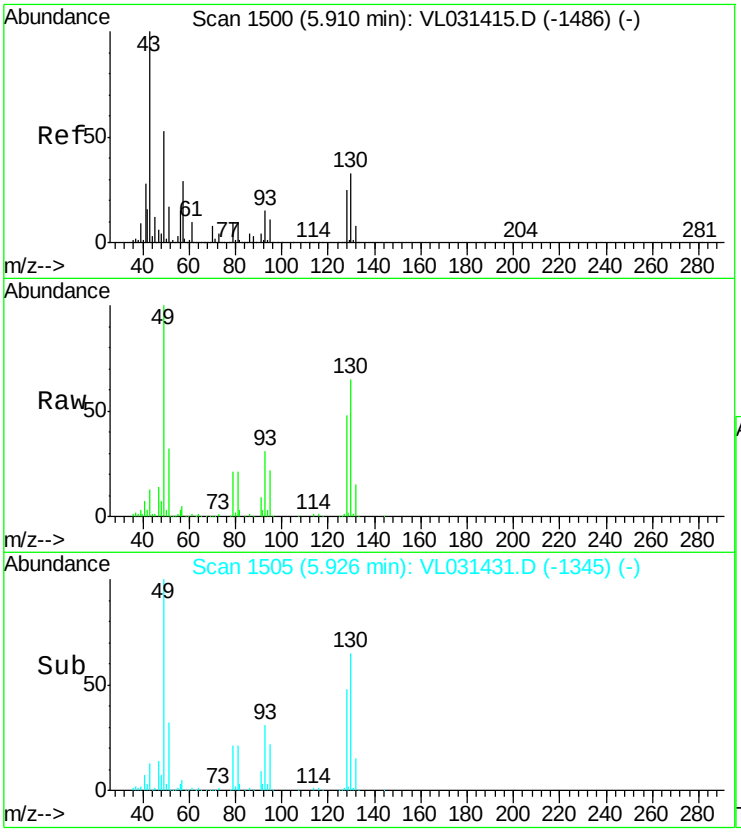


#24
1,1-Dichloroethane
Concen: 0.09 ppbv
RT: 5.22 min Scan# 1287
Delta R.T. -0.01 min
Lab File: VL031431.D
Acq: 23 Jan 2018 00:51

Tgt Ion: 63 Resp: 15225

Ion	Ratio	Lower	Upper
63	100		
98	5.9	2.4	7.1
100	5.3	1.3	3.9#



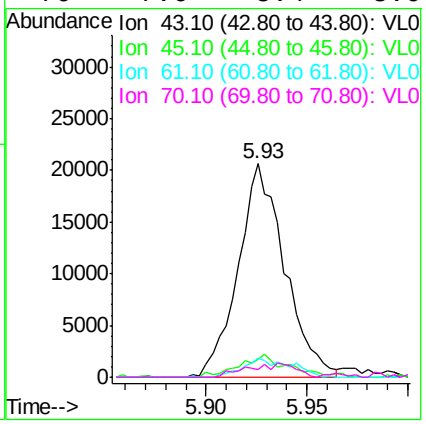


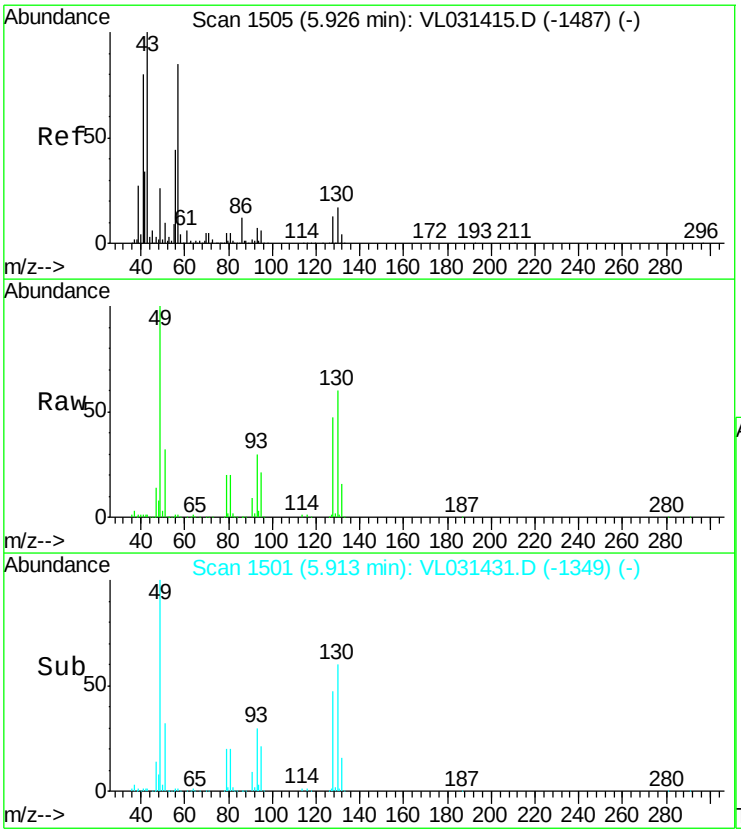
#25
Ethyl Acetate
Concen: 0.12 ppbv
RT: 5.93 min Scan# 1505
Delta R.T. 0.01 min
Lab File: VL031431.D
Acq: 23 Jan 2018 00:51

Instrument :
MSVOA_L
ClientSampleId :
MDL-AIR-6

Tgt Ion: 43 Resp: 33341

Ion	Ratio	Lower	Upper
43	100		
45	11.6	7.8	11.6#
61	9.2	7.0	10.6
70	7.6	5.4	8.0

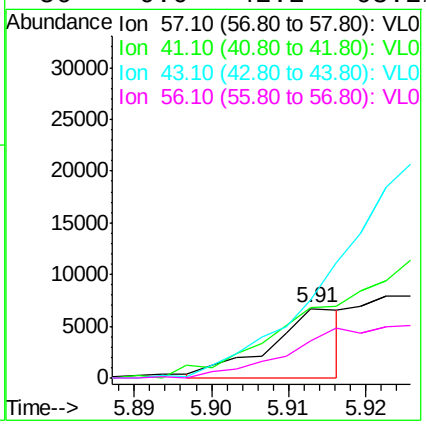


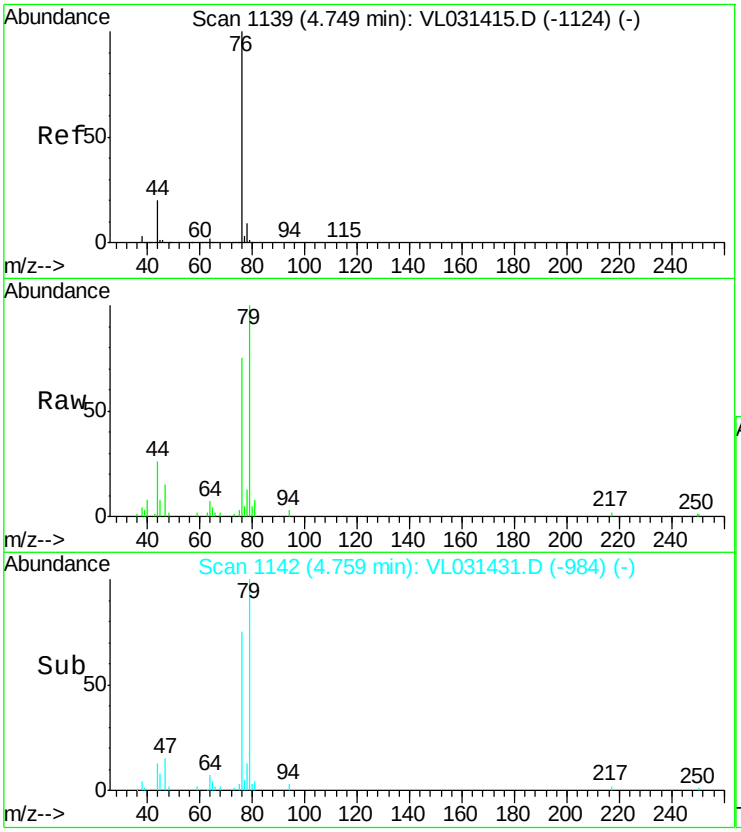


#26
Hexane
Concen: 0.03 ppbv
RT: 5.91 min Scan# 1501
Delta R.T. -0.01 min
Lab File: VL031431.D
Acq: 23 Jan 2018 00:51

Tgt Ion: 57 Resp: 4425

Ion	Ratio	Lower	Upper
57	100		
41	0.0	77.1	115.7#
43	0.0	180.7	271.1#
56	0.0	42.2	63.2#



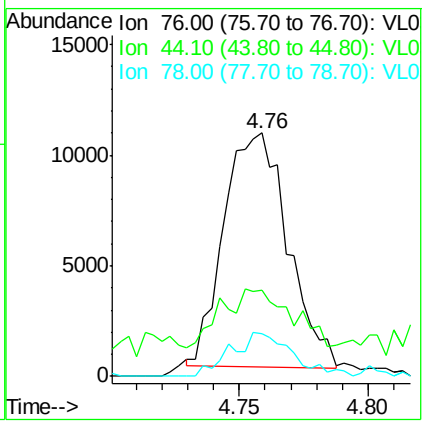


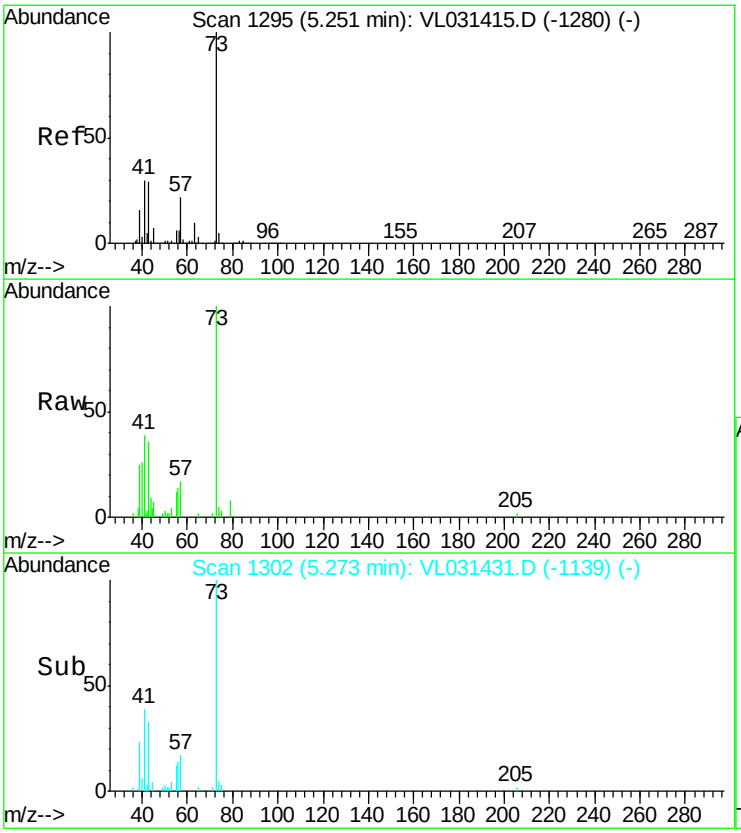
#27
Carbon Disulfide
Concen: 0.11 ppbv
RT: 4.76 min Scan# 1142
Delta R.T. 0.01 min
Lab File: VL031431.D
Acq: 23 Jan 2018 00:51

Instrument : MSVOA_L
ClientSampleId : MDL-AIR-6

Tgt Ion: 76 Resp: 18234

Ion	Ratio	Lower	Upper
76	100		
44	44.2	16.7	25.1#
78	19.3	7.5	11.3#

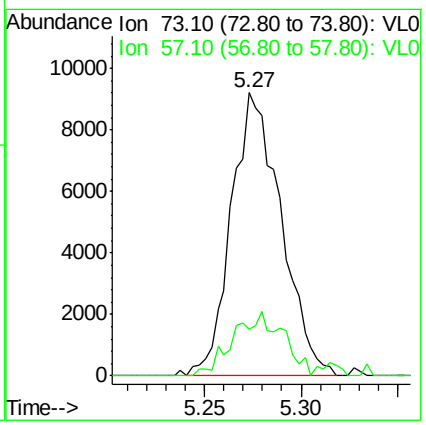


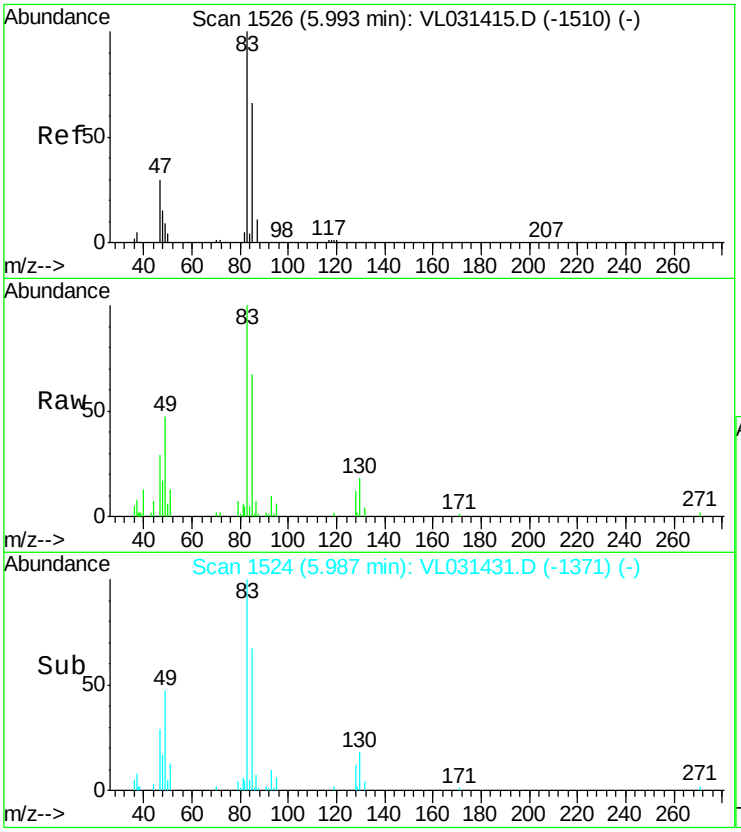


#28
Methyl tert-Butyl Ether
Concen: 0.11 ppbv
RT: 5.27 min Scan# 1302
Delta R.T. 0.02 min
Lab File: VL031431.D
Acq: 23 Jan 2018 00:51

Tgt Ion: 73 Resp: 16426

Ion	Ratio	Lower	Upper
73	100		
57	25.1	17.5	26.3



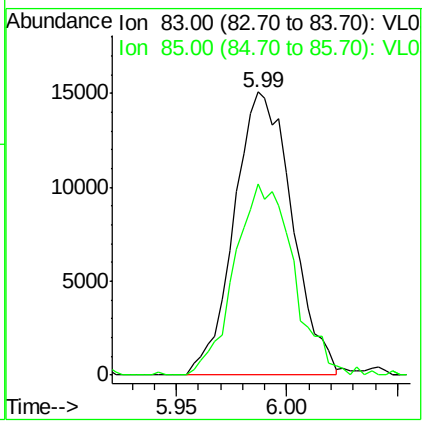


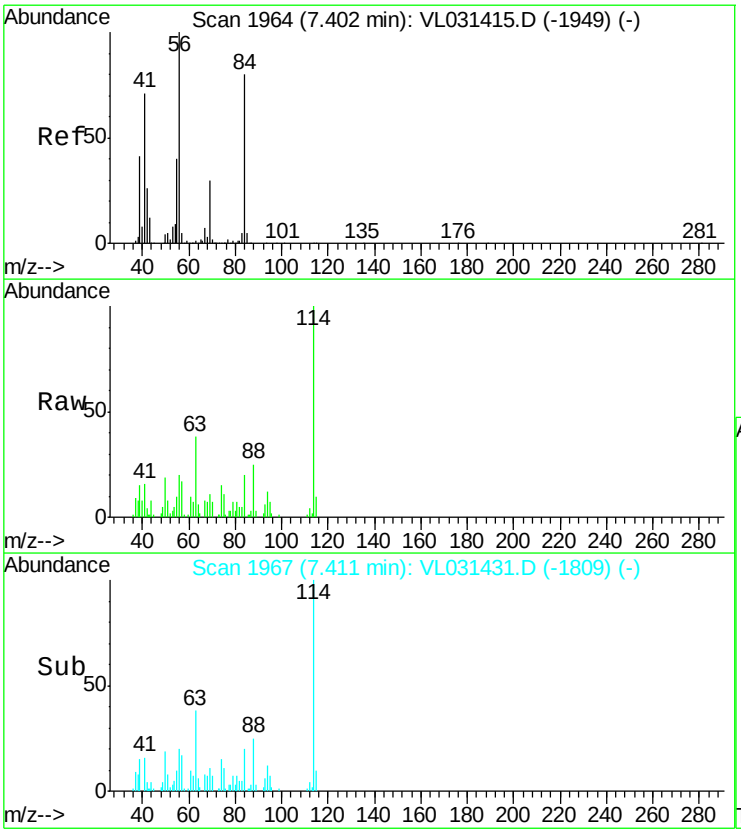
#29
Chloroform
Concen: 0.13 ppbv
RT: 5.99 min Scan# 1524
Delta R.T. -0.01 min
Lab File: VL031431.D
Acq: 23 Jan 2018 00:51

Instrument :
MSVOA_L
ClientSampleId :
MDL-AIR-6

Tgt Ion: 83 Resp: 27403

Ion	Ratio	Lower	Upper
83	100		
85	64.3	51.3	76.9

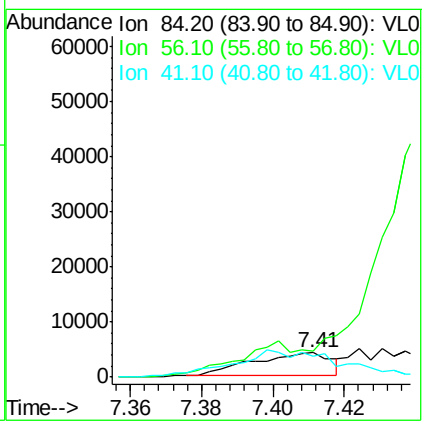


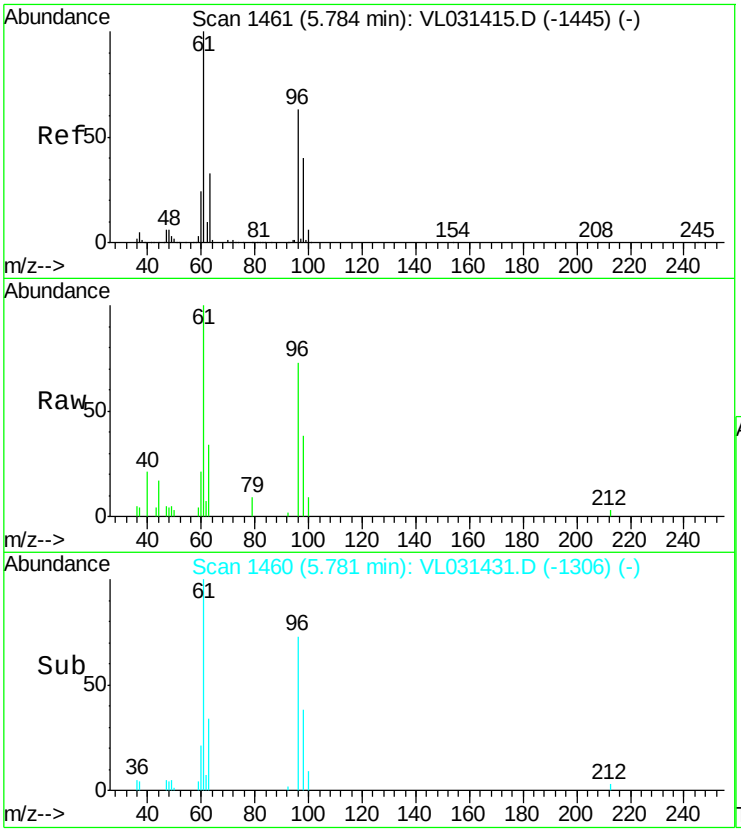


#30
Cyclohexane
Concen: 0.06 ppbv
RT: 7.41 min Scan# 1967
Delta R.T. 0.01 min
Lab File: VL031431.D
Acq: 23 Jan 2018 00:51

Tgt Ion: 84 Resp: 6151

Ion	Ratio	Lower	Upper
84	100		
56	0.0	109.0	163.4#
41	167.8	73.3	109.9#



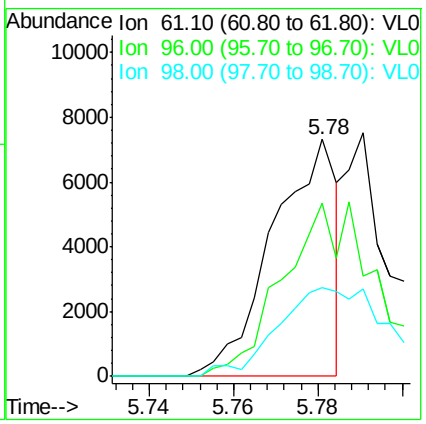


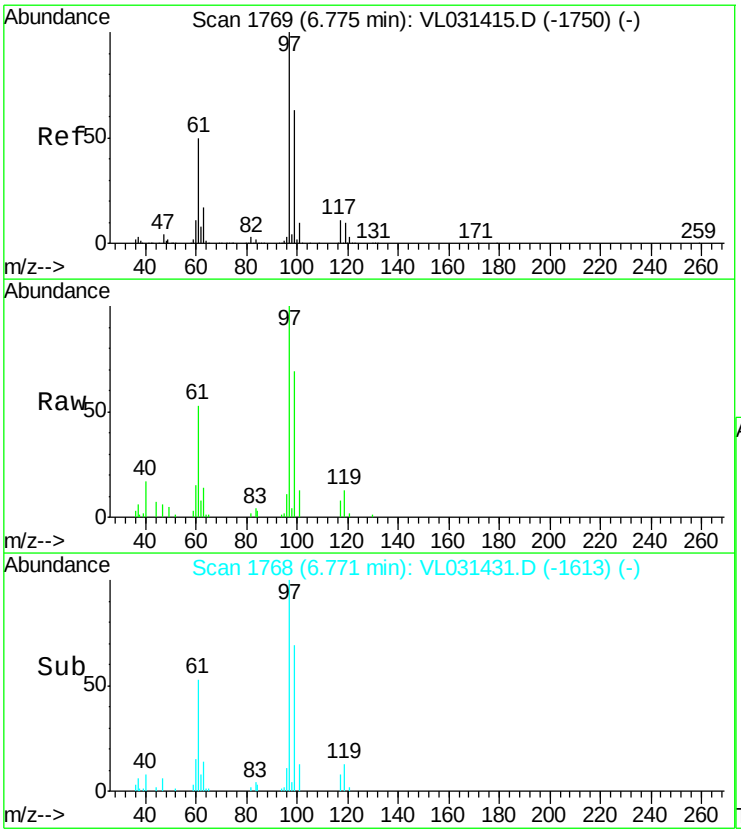
#31
cis-1,2-Dichloroethene
Concen: 0.06 ppbv
RT: 5.78 min Scan# 1460
Delta R.T. -0.01 min
Lab File: VL031431.D
Acq: 23 Jan 2018 00:51

Instrument :
MSVOA_L
ClientSampleId :
MDL-AIR-6

Tgt Ion: 61 Resp: 7707

Ion	Ratio	Lower	Upper
61	100		
96	73.3	51.3	76.9
98	37.6	33.6	50.4

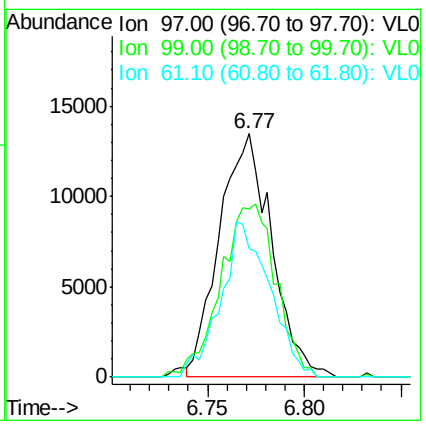


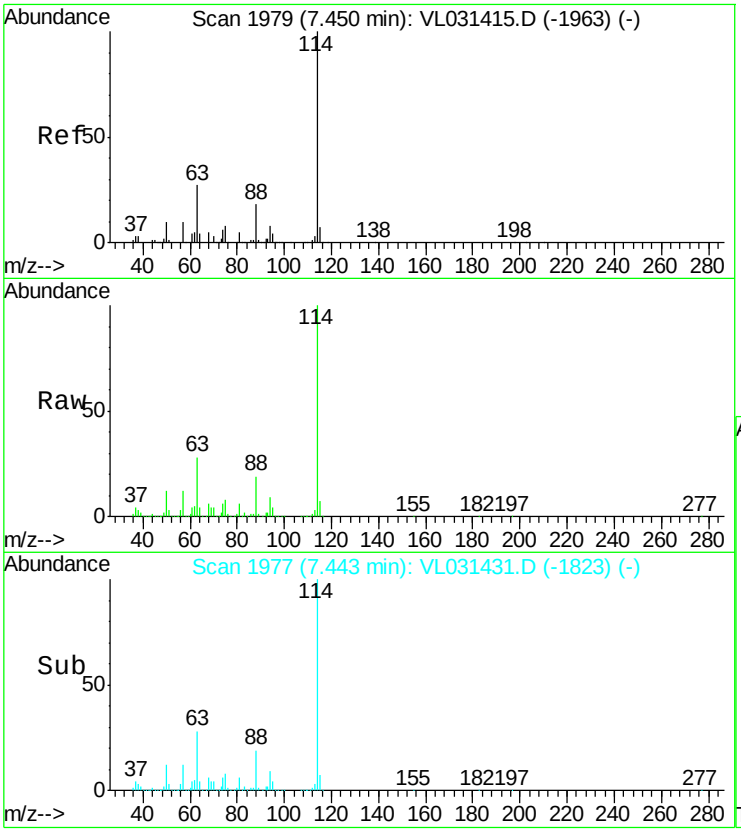


#32
1,1,1-Trichloroethane
Concen: 0.12 ppbv
RT: 6.77 min Scan# 1768
Delta R.T. -0.00 min
Lab File: VL031431.D
Acq: 23 Jan 2018 00:51

Tgt Ion: 97 Resp: 25335

Ion	Ratio	Lower	Upper
97	100		
99	75.2	51.9	77.9
61	59.4	40.6	61.0



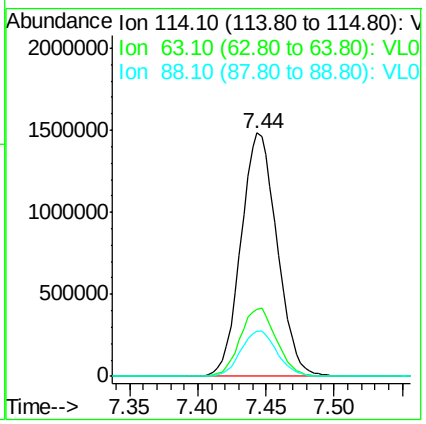


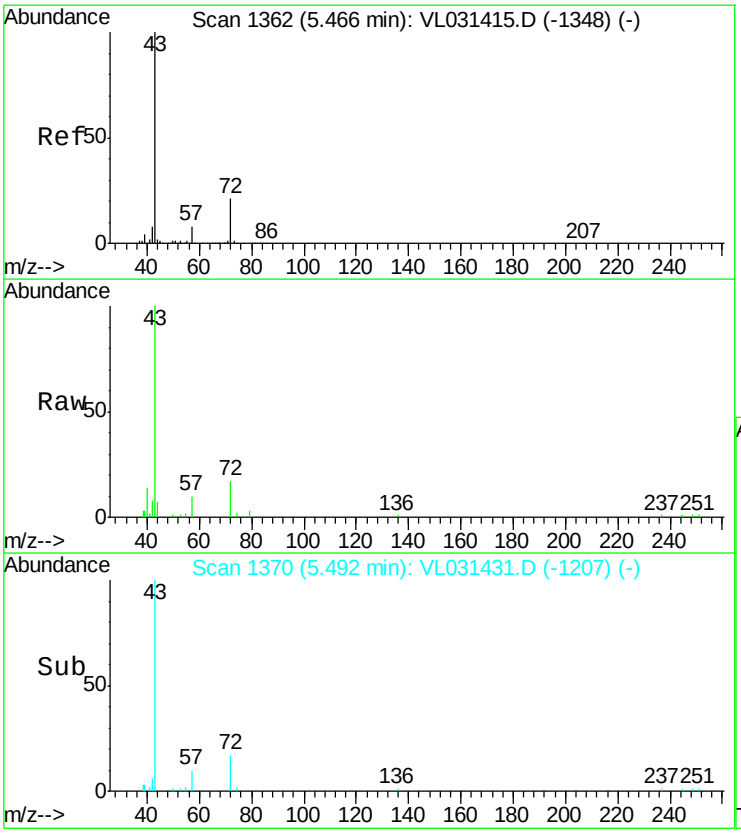
#33
1,4-Difluorobenzene
Concen: 10.00 ppbv
RT: 7.44 min Scan# 1977
Delta R.T. -0.01 min
Lab File: VL031431.D
Acq: 23 Jan 2018 00:51

Instrument :
MSVOA_L
ClientSampleId :
MDL-AIR-6

Tgt Ion:114 Resp: 2725005

Ion	Ratio	Lower	Upper
114	100		
63	28.2	22.5	33.7
88	18.7	14.6	22.0

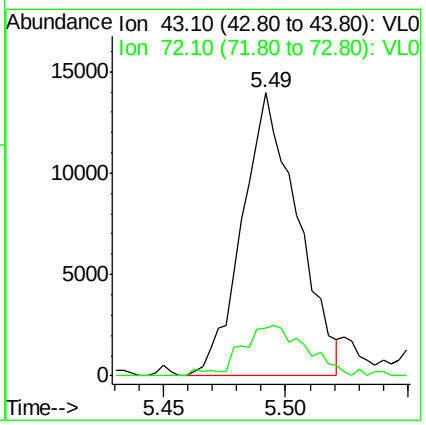


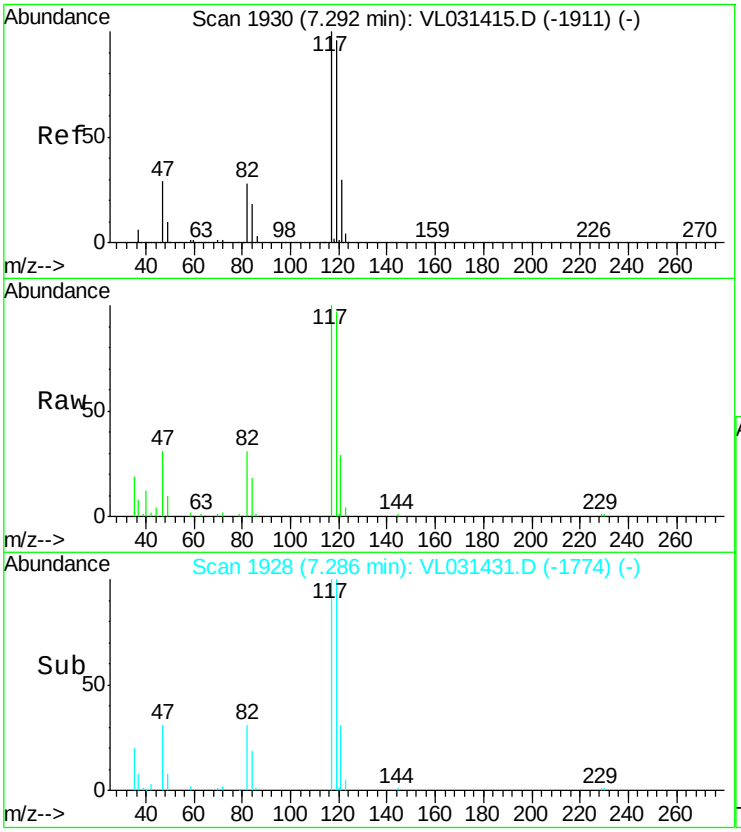


#34
2-Butanone
Concen: 0.13 ppbv
RT: 5.49 min Scan# 1370
Delta R.T. 0.02 min
Lab File: VL031431.D
Acq: 23 Jan 2018 00:51

Tgt Ion: 43 Resp: 21963

Ion	Ratio	Lower	Upper
43	100		
72	21.4	16.8	25.2



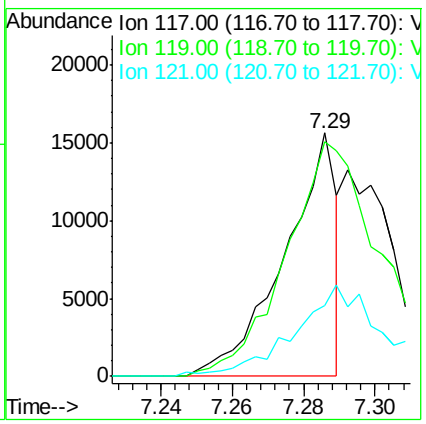


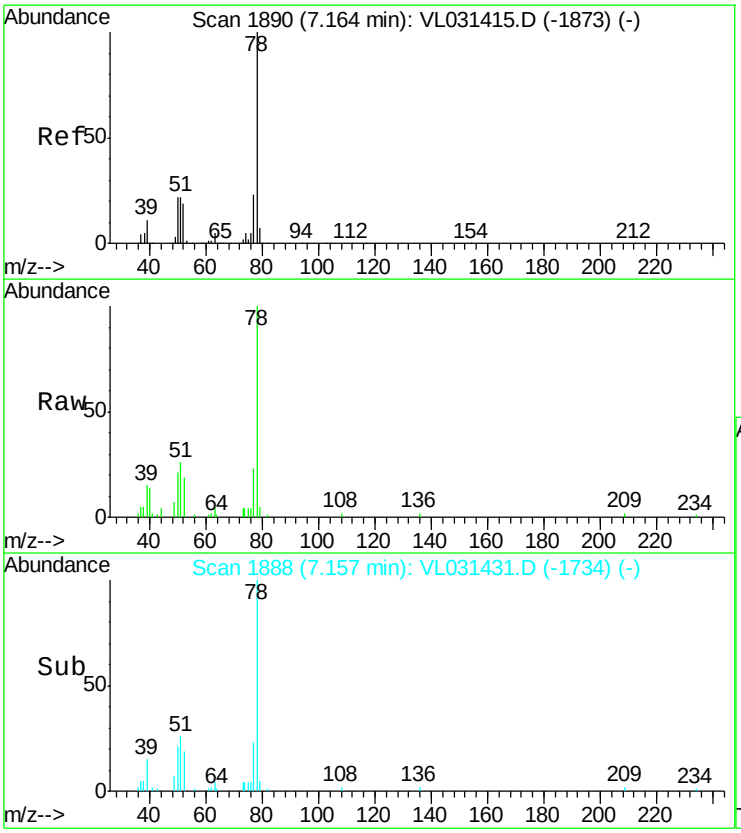
#35
Carbon Tetrachloride
Concen: 0.07 ppbv
RT: 7.29 min Scan# 1928
Delta R.T. -0.01 min
Lab File: VL031431.D
Acq: 23 Jan 2018 00:51

Instrument : MSVOA_L
ClientSampleId : MDL-AIR-6

Tgt Ion:117 Resp: 15727

Ion	Ratio	Lower	Upper
117	100		
119	96.6	74.2	111.4
121	27.2	24.2	36.4

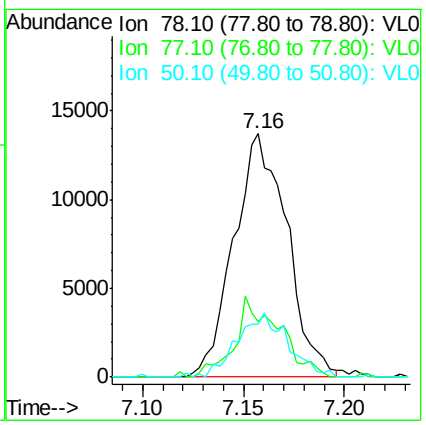


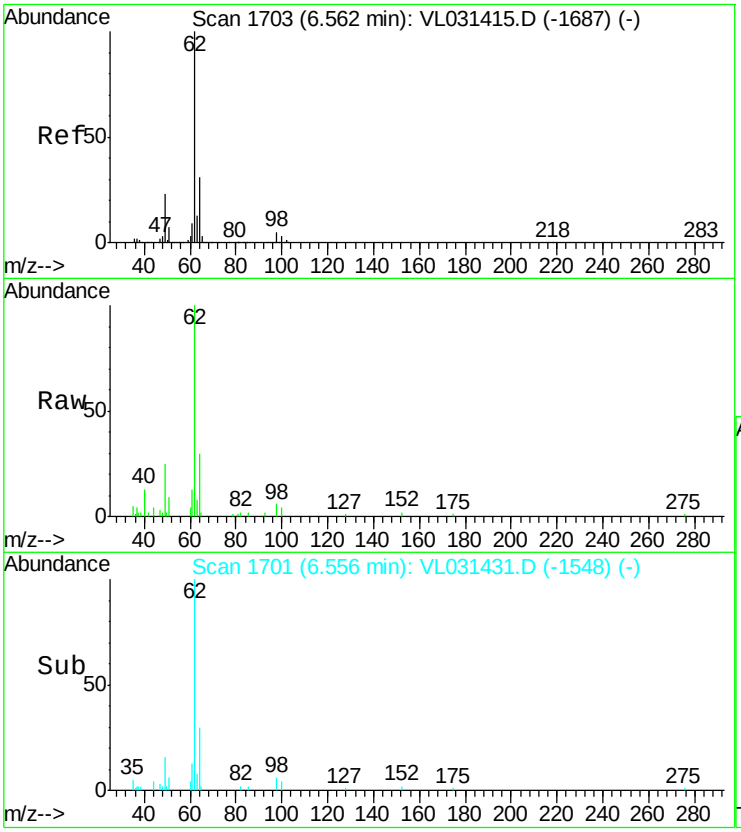


#36
Benzene
Concen: 0.10 ppbv
RT: 7.16 min Scan# 1888
Delta R.T. -0.01 min
Lab File: VL031431.D
Acq: 23 Jan 2018 00:51

Tgt Ion: 78 Resp: 25284

Ion	Ratio	Lower	Upper
78	100		
77	22.9	18.7	28.1
50	21.5	18.4	27.6



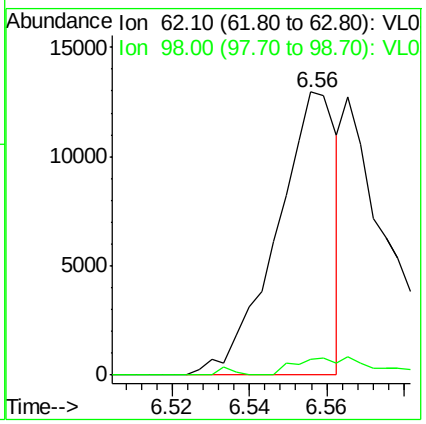


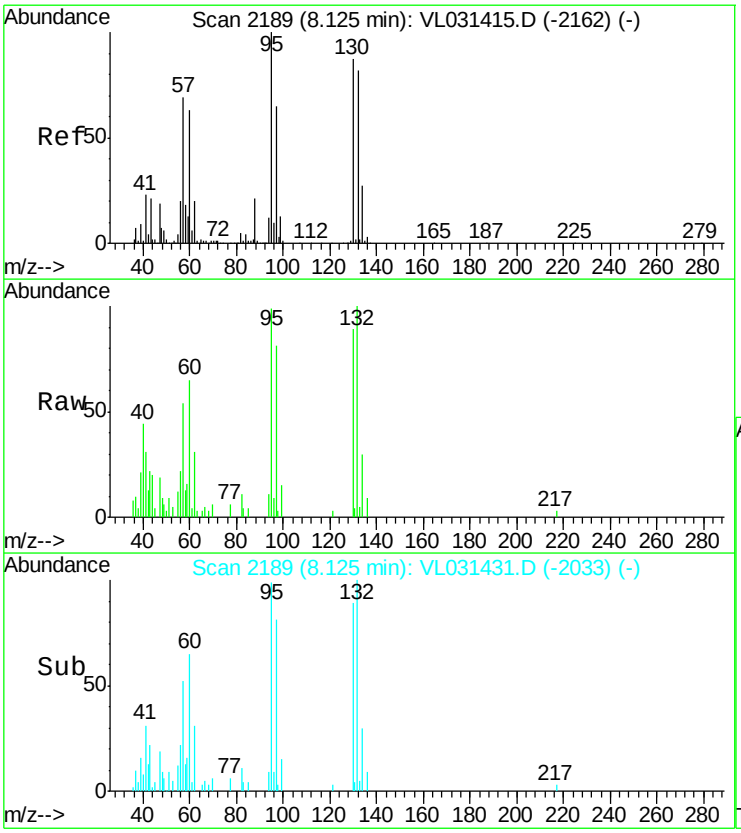
#37
1,2-Dichloroethane
Concen: 0.07 ppbv
RT: 6.56 min Scan# 1701
Delta R.T. -0.01 min
Lab File: VL031431.D
Acq: 23 Jan 2018 00:51

Instrument :
MSVOA_L
ClientSampleId :
MDL-AIR-6

Tgt Ion: 62 Resp: 13943

Ion	Ratio	Lower	Upper
62	100		
98	0.0	4.1	6.1#

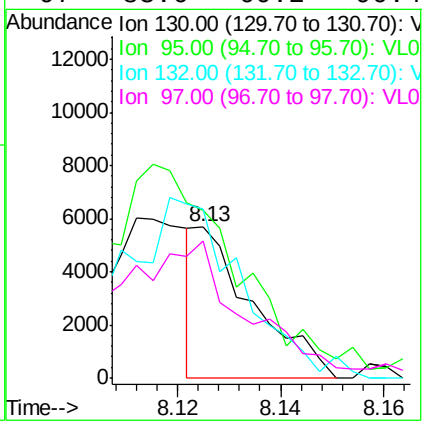


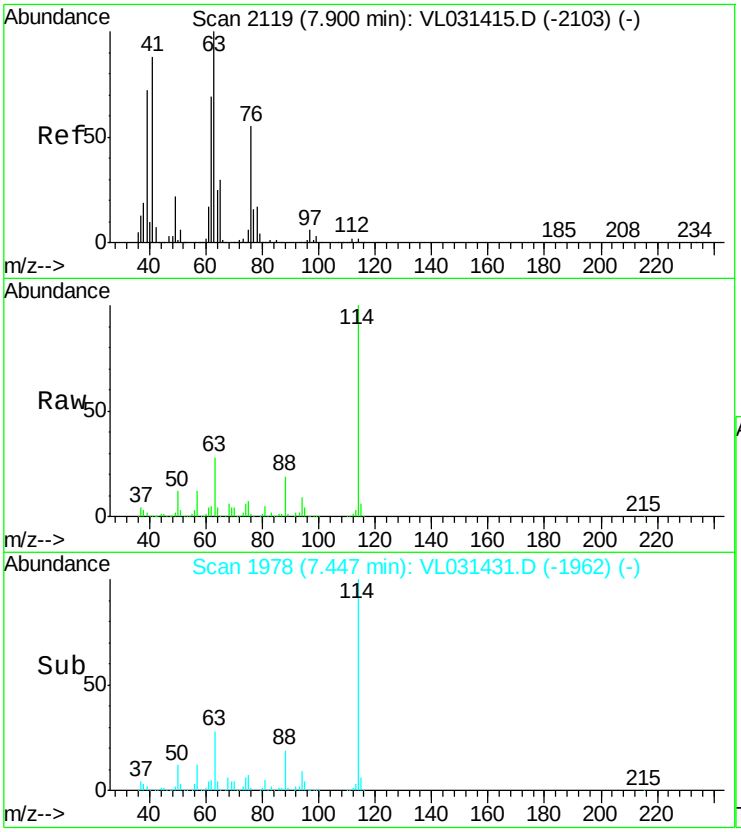


#38
Trichloroethene
Concen: 0.05 ppbv
RT: 8.13 min Scan# 2189
Delta R.T. 0.00 min
Lab File: VL031431.D
Acq: 23 Jan 2018 00:51

Tgt Ion:130 Resp: 4317

Ion	Ratio	Lower	Upper
130	100		
95	104.1	92.9	139.3
132	93.9	74.9	112.3
97	83.6	60.2	90.4



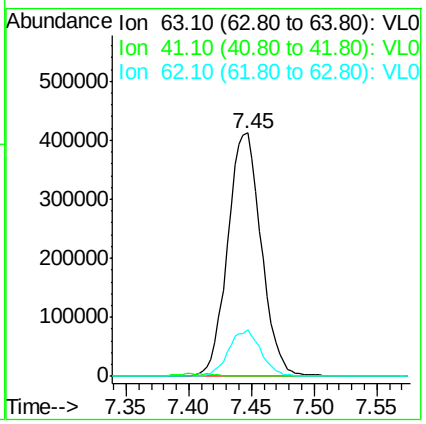


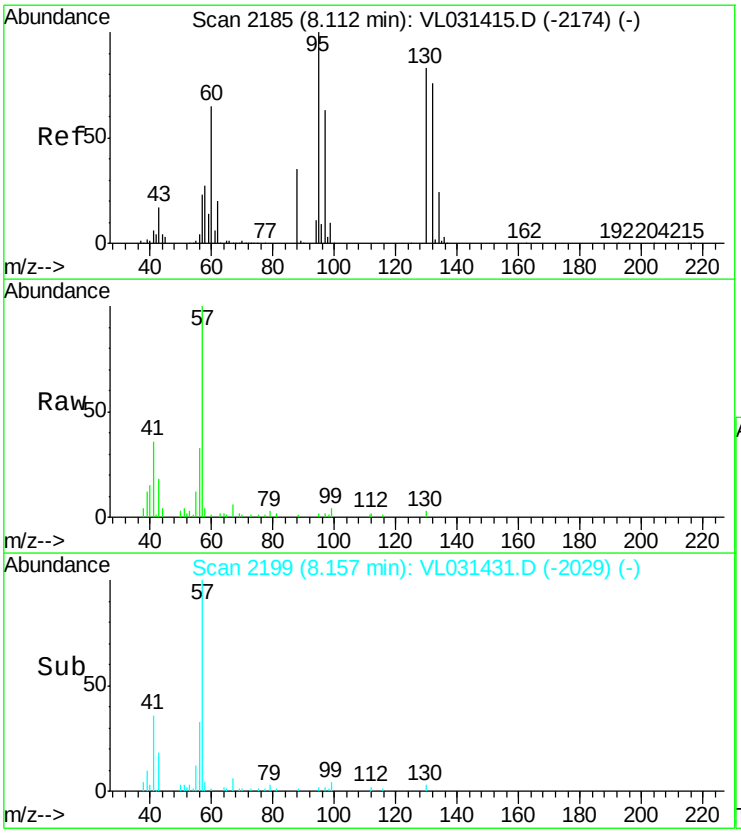
#39
1,2-Dichloropropane
Concen: 8.42 ppbv
RT: 7.45 min Scan# 1978
Delta R.T. -0.45 min
Lab File: VL031431.D
Acq: 23 Jan 2018 00:51

Instrument : MSVOA_L
ClientSampleId : MDL-AIR-6

Tgt Ion: 63 Resp: 766300

Ion	Ratio	Lower	Upper
63	100		
41	0.1	67.6	101.4#
62	18.8	51.8	77.6#

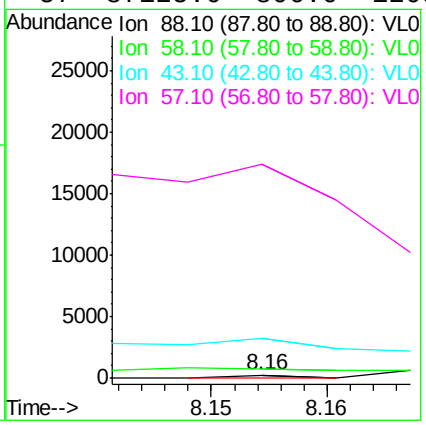


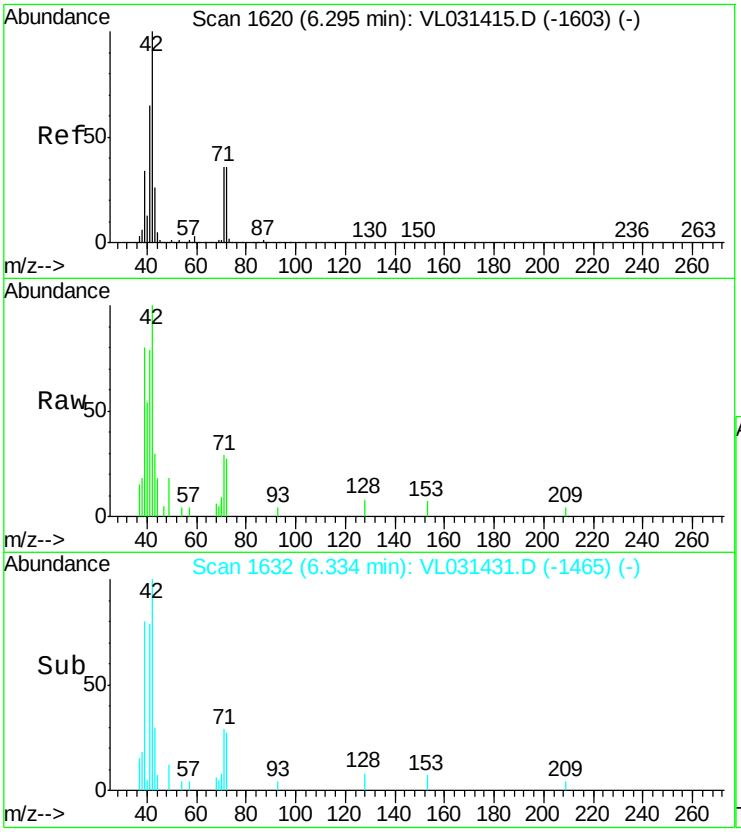


#40
1,4-Dioxane
Concen: 0.00 ppbv
RT: 8.16 min Scan# 2199
Delta R.T. 0.05 min
Lab File: VL031431.D
Acq: 23 Jan 2018 00:51

Tgt Ion: 88 Resp: 44

Ion	Ratio	Lower	Upper
88	100		
58	2154.5	98.2	147.2#
43	21206.8	197.3	295.9#
57	87125.0	806.0	1209.0#



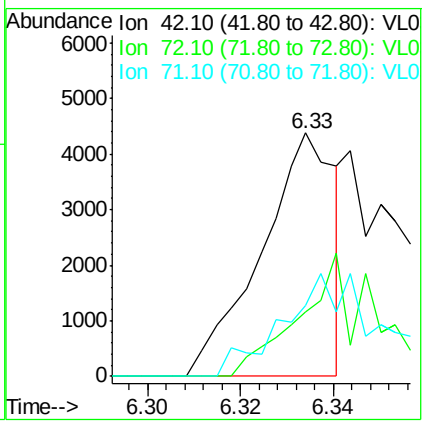


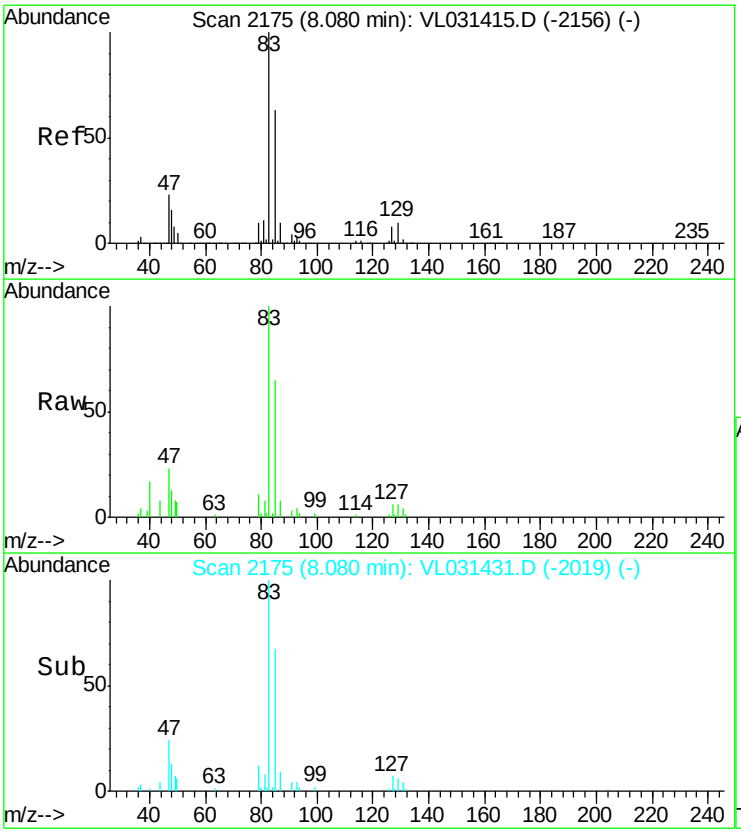
#41
Tetrahydrofuran
Concen: 0.05 ppbv
RT: 6.33 min Scan# 1632
Delta R.T. 0.04 min
Lab File: VL031431.D
Acq: 23 Jan 2018 00:51

Instrument : MSVOA_L
ClientSampleId : MDL-AIR-6

Tgt Ion: 42 Resp: 4848

Ion	Ratio	Lower	Upper
42	100		
72	0.0	30.4	45.6#
71	0.0	29.2	43.8#

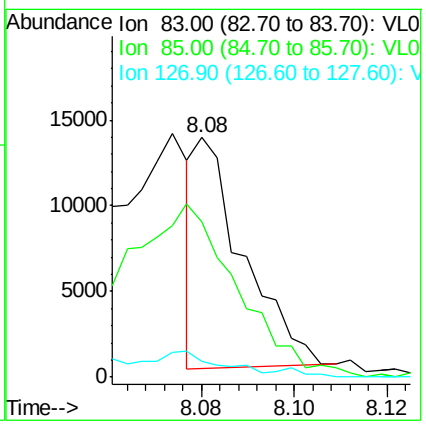


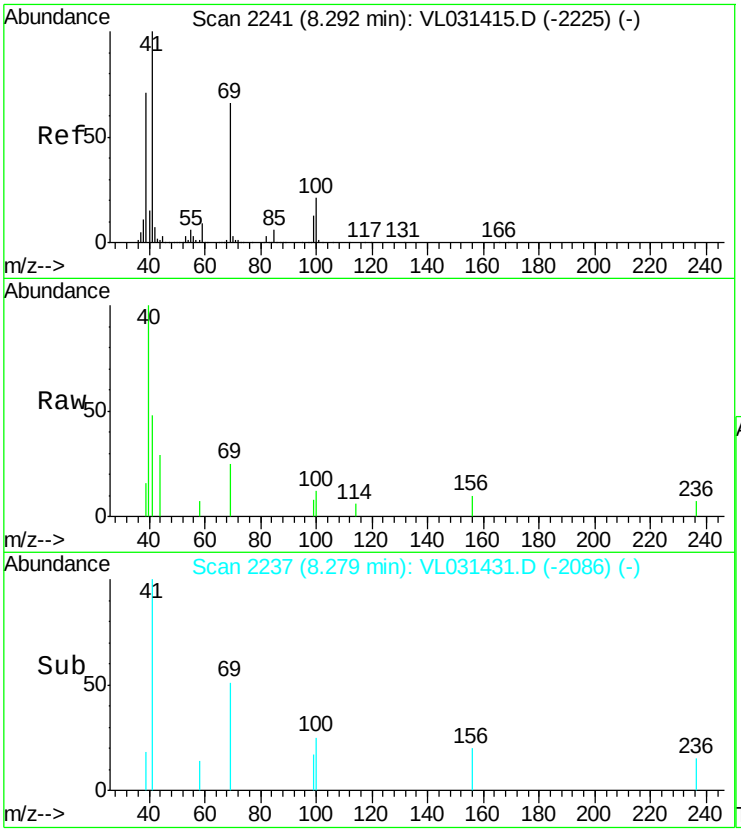


#42
Bromodichloromethane
Concen: 0.04 ppbv
RT: 8.08 min Scan# 2175
Delta R.T. 0.00 min
Lab File: VL031431.D
Acq: 23 Jan 2018 00:51

Tgt Ion: 83 Resp: 9635

Ion	Ratio	Lower	Upper
83	100		
85	64.7	52.1	78.1
127	6.8	6.6	10.0



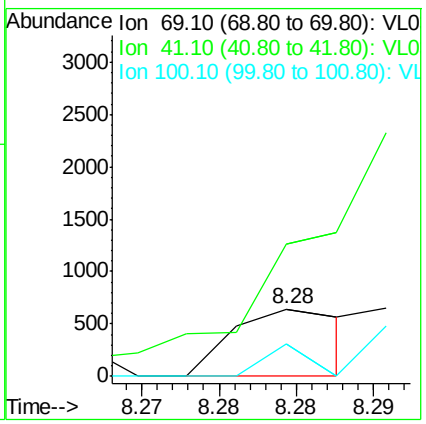


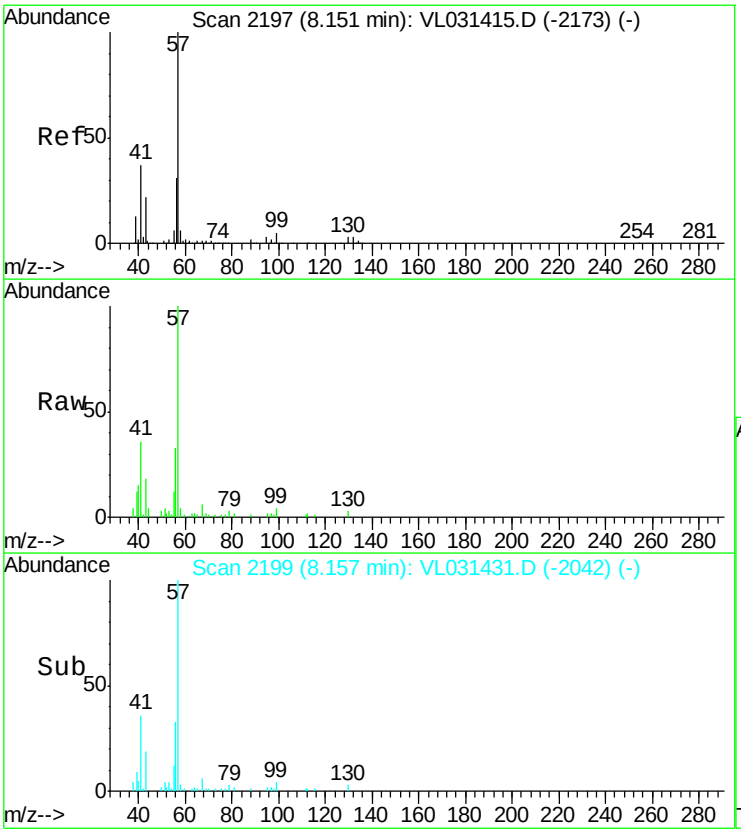
#43
Methyl Methacrylate
Concen: 0.00 ppbv
RT: 8.28 min Scan# 2237
Delta R.T. -0.02 min
Lab File: VL031431.D
Acq: 23 Jan 2018 00:51

Instrument :
MSVOA_L
ClientSampleId :
MDL-AIR-6

Tgt Ion: 69 Resp: 327

Ion	Ratio	Lower	Upper
69	100		
41	0.0	127.0	190.6#
100	0.0	24.6	37.0#

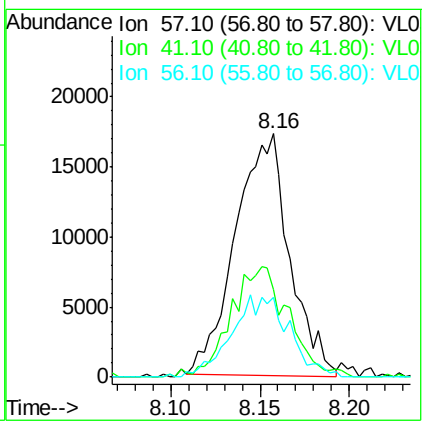


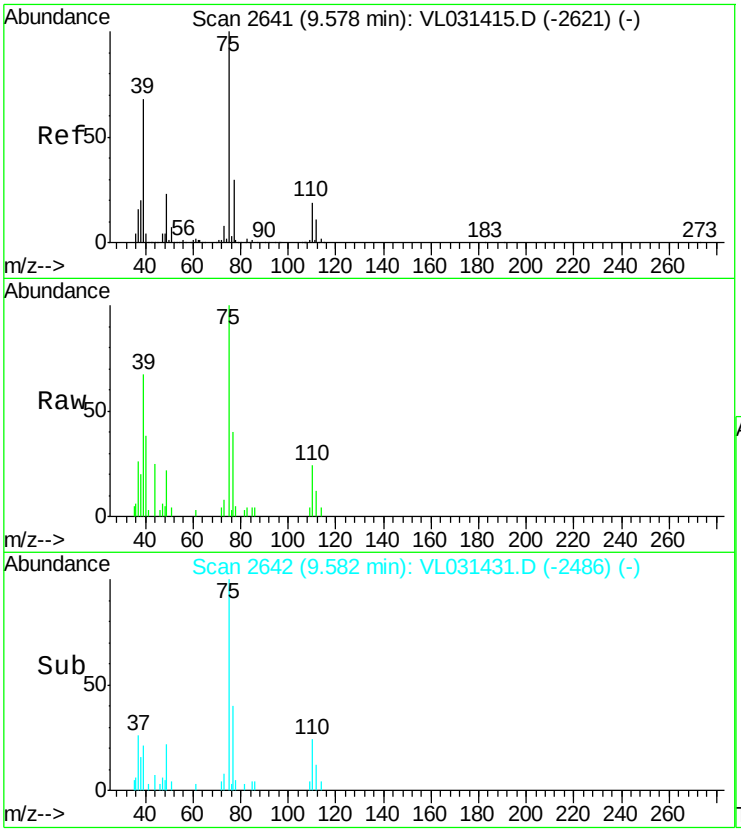


#44
2,2,4-Trimethylpentane
Concen: 0.09 ppbv
RT: 8.16 min Scan# 2199
Delta R.T. 0.00 min
Lab File: VL031431.D
Acq: 23 Jan 2018 00:51

Tgt Ion: 57 Resp: 36615

Ion	Ratio	Lower	Upper
57	100		
41	48.6	28.8	43.2#
56	35.9	24.6	37.0



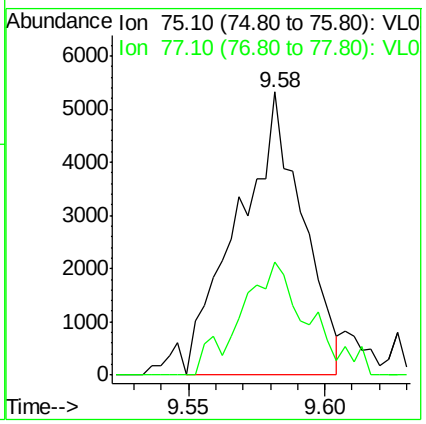


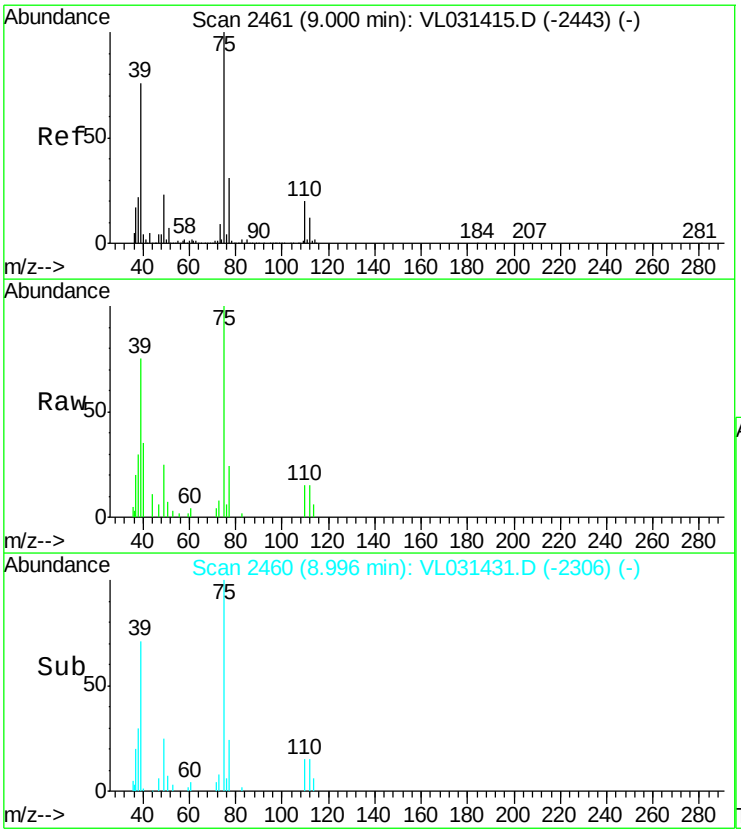
#45
t-1,3-Dichloropropene
Concen: 0.07 ppbv
RT: 9.58 min Scan# 2642
Delta R.T. 0.00 min
Lab File: VL031431.D
Acq: 23 Jan 2018 00:51

Instrument :
MSVOA_L
ClientSampleId :
MDL-AIR-6

Tgt Ion: 75 Resp: 8706

Ion	Ratio	Lower	Upper
75	100		
77	40.0	25.3	37.9#

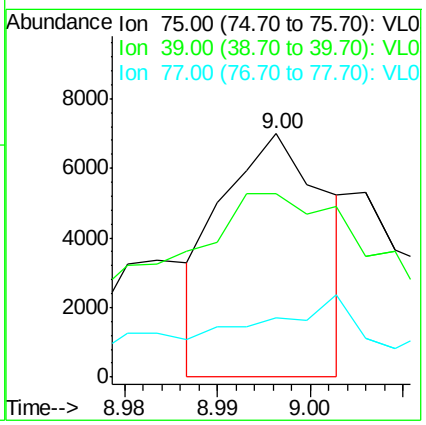


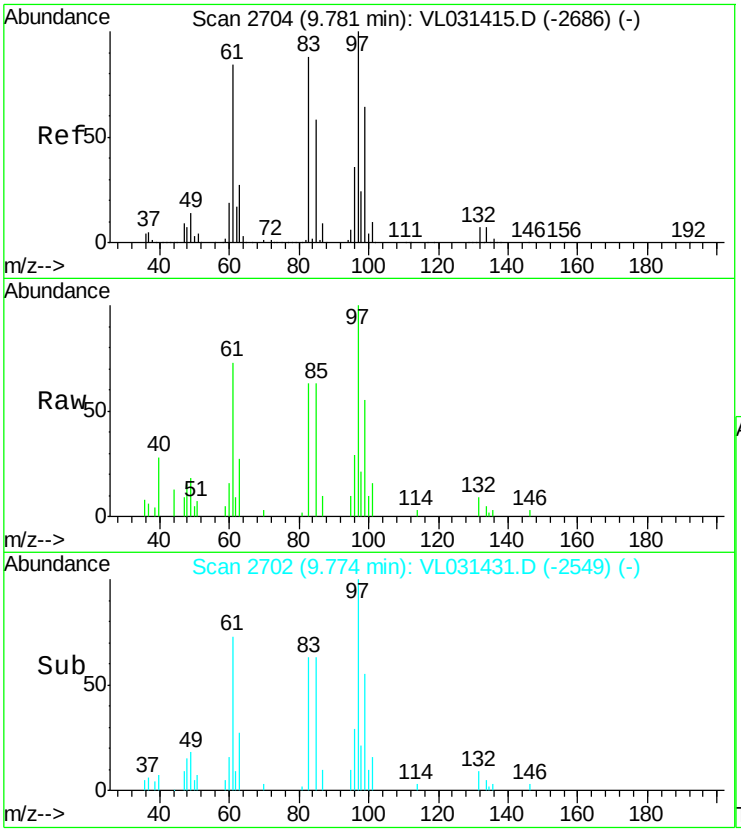


#46
cis-1,3-Dichloropropene
Concen: 0.04 ppbv
RT: 9.00 min Scan# 2460
Delta R.T. -0.01 min
Lab File: VL031431.D
Acq: 23 Jan 2018 00:51

Tgt Ion: 75 Resp: 5542

Ion	Ratio	Lower	Upper
75	100		
39	44.4	59.4	89.0#
77	16.9	25.0	37.4#



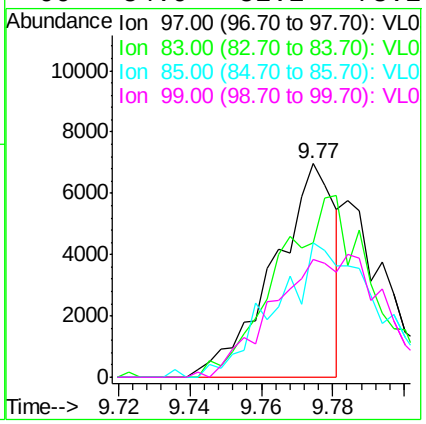


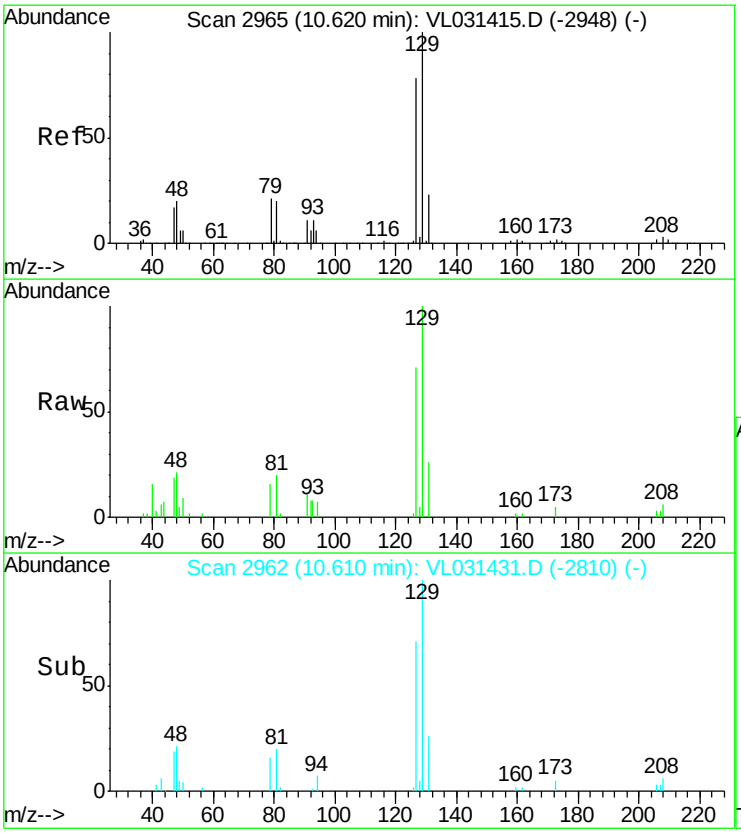
#47
1,1,2-Trichloroethane
Concen: 0.08 ppbv
RT: 9.77 min Scan# 2702
Delta R.T. -0.01 min
Lab File: VL031431.D
Acq: 23 Jan 2018 00:51

Instrument : MSVOA_L
ClientSampleId : MDL-AIR-6

Tgt Ion: 97 Resp: 8225

Ion	Ratio	Lower	Upper
97	100		
83	63.0	71.4	107.2#
85	63.1	46.2	69.2
99	54.9	52.2	78.2

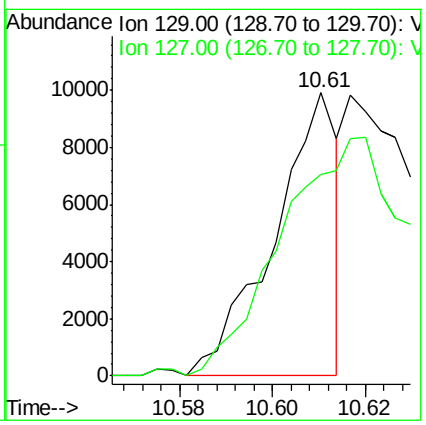


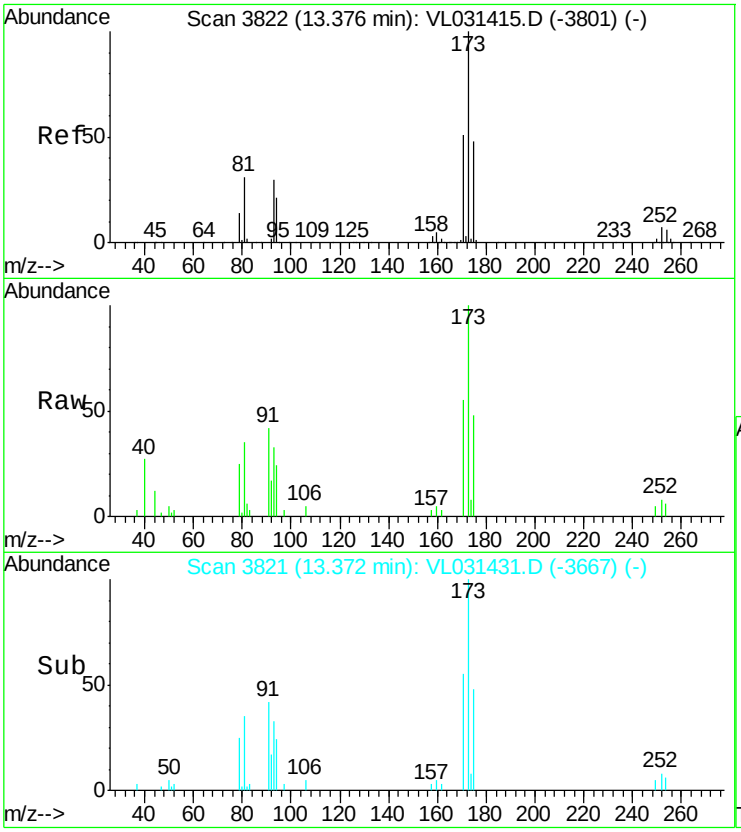


#48
Dibromochloromethane
Concen: 0.05 ppbv
RT: 10.61 min Scan# 2962
Delta R.T. -0.01 min
Lab File: VL031431.D
Acq: 23 Jan 2018 00:51

Tgt Ion:129 Resp: 9432

Ion	Ratio	Lower	Upper
129	100		
127	0.0	39.4	118.1#



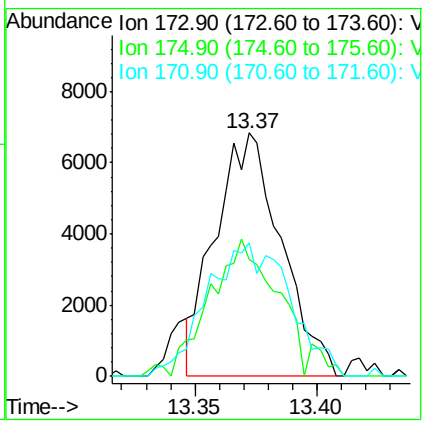


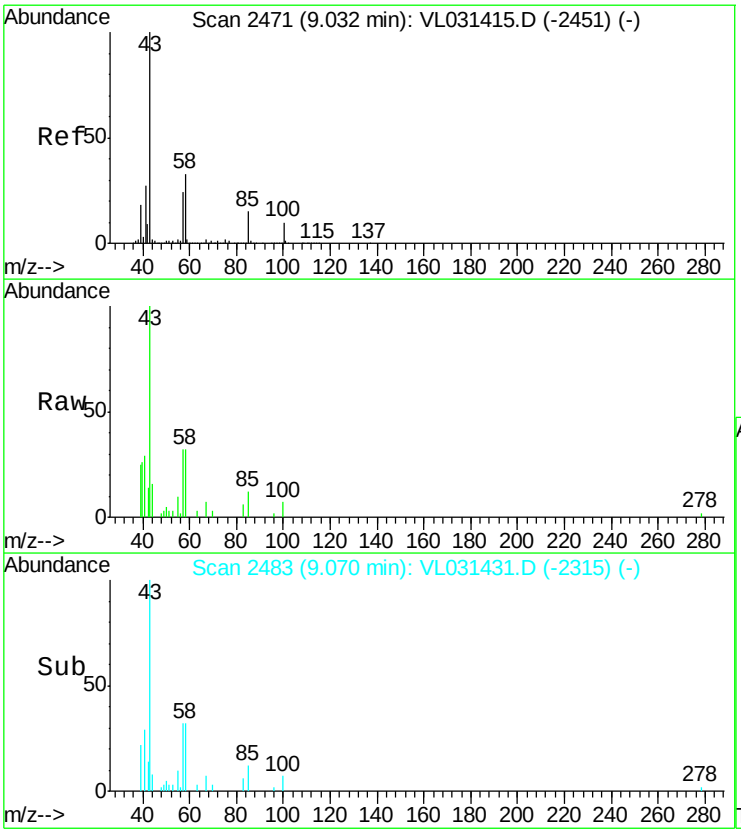
#49
Bromoform
Concen: 0.09 ppbv
RT: 13.37 min Scan# 3821
Delta R.T. -0.01 min
Lab File: VL031431.D
Acq: 23 Jan 2018 00:51

Instrument :
MSVOA_L
ClientSampleId :
MDL-AIR-6

Tgt Ion:173 Resp: 12862

Ion	Ratio	Lower	Upper
173	100		
175	60.4	39.0	58.4#
171	68.7	42.0	63.0#

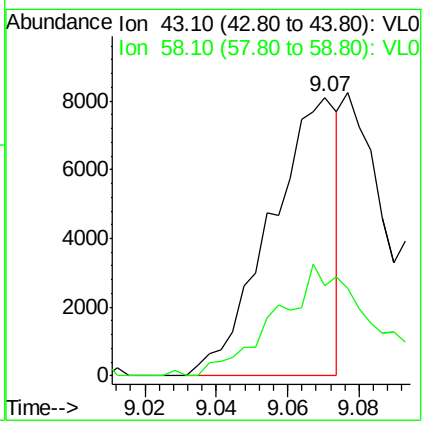


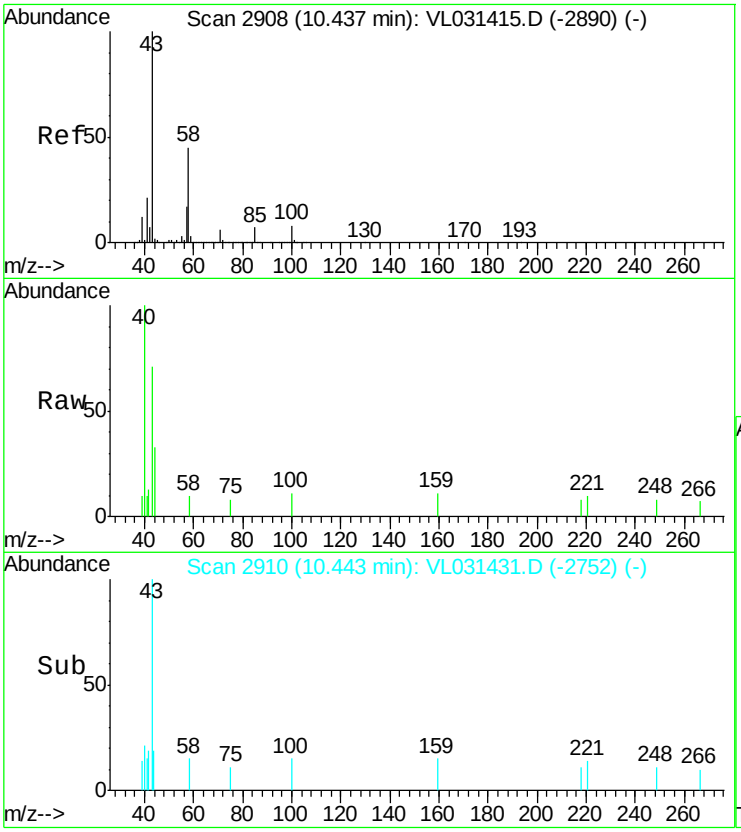


#50
4-Methyl-2-Pentanone
Concen: 0.05 ppbv
RT: 9.07 min Scan# 2483
Delta R.T. 0.04 min
Lab File: VL031431.D
Acq: 23 Jan 2018 00:51

Tgt Ion: 43 Resp: 10575

Ion	Ratio	Lower	Upper
43	100		
58	57.3	27.1	40.7#



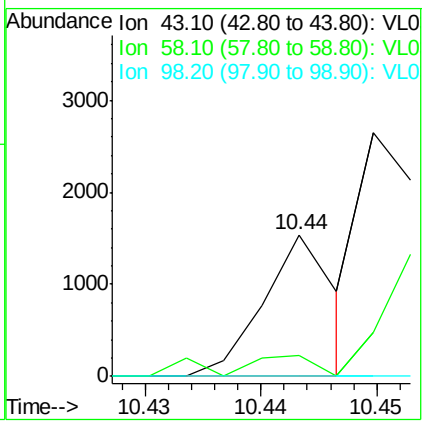


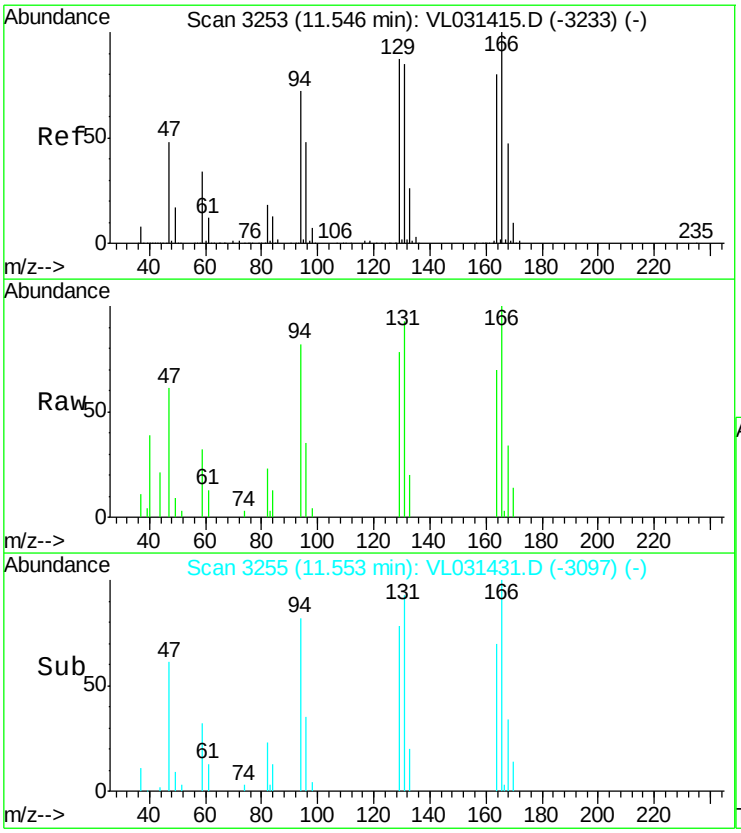
#51
2-Hexanone
Concen: 0.00 ppbv
RT: 10.44 min Scan# 2910
Delta R.T. 0.01 min
Lab File: VL031431.D
Acq: 23 Jan 2018 00:51

Instrument : MSVOA_L
ClientSampleId : MDL-AIR-6

Tgt Ion: 43 Resp: 658

Ion	Ratio	Lower	Upper
43	100		
58	0.0	36.2	54.4#
98	0.0	0.1	0.1#

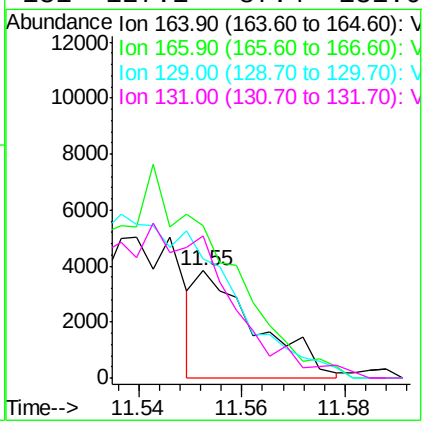


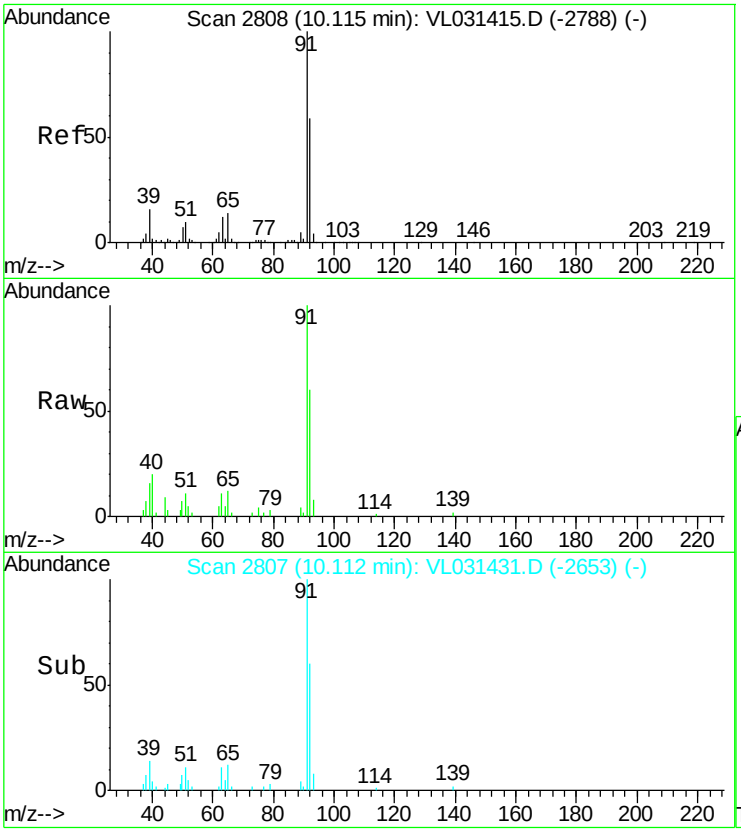


#52
Tetrachloroethene
Concen: 0.03 ppbv
RT: 11.55 min Scan# 3255
Delta R.T. 0.01 min
Lab File: VL031431.D
Acq: 23 Jan 2018 00:51

Tgt Ion:164 Resp: 3116

Ion	Ratio	Lower	Upper
164	100		
166	143.3	100.2	150.2
129	107.3	91.4	137.0
131	127.1	87.4	131.0



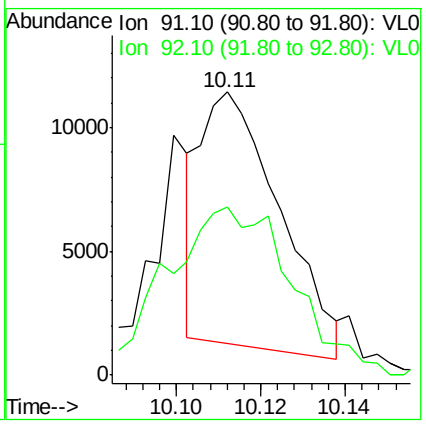


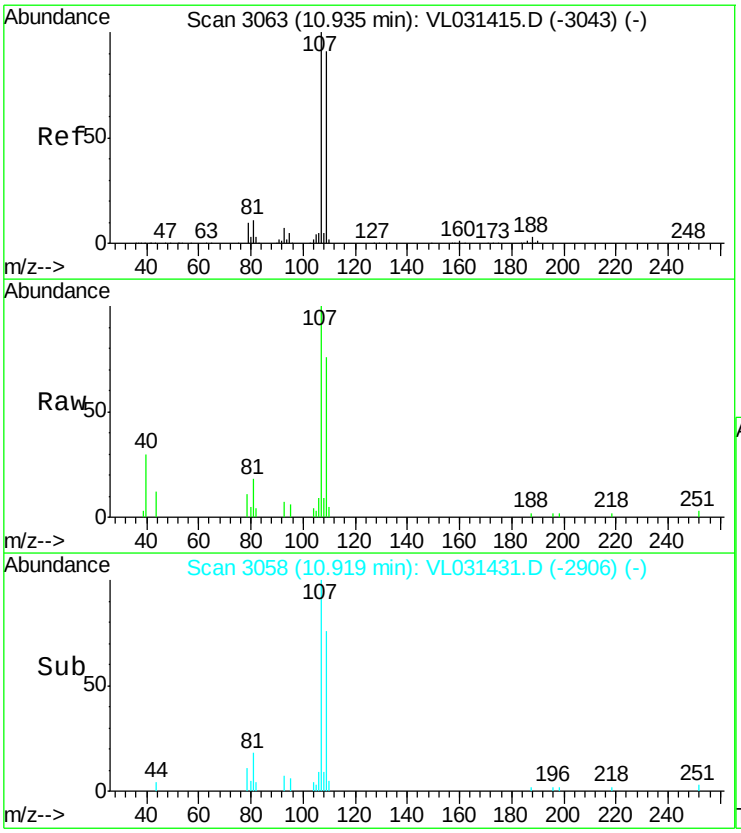
#53
Toluene
Concen: 0.05 ppbv
RT: 10.11 min Scan# 2807
Delta R.T. -0.01 min
Lab File: VL031431.D
Acq: 23 Jan 2018 00:51

Instrument : MSVOA_L
ClientSampleId : MDL-AIR-6

Tgt Ion: 91 Resp: 13178

Ion	Ratio	Lower	Upper
91	100		
92	108.9	47.8	71.6#

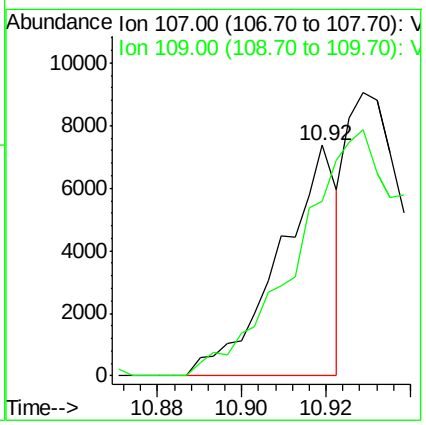


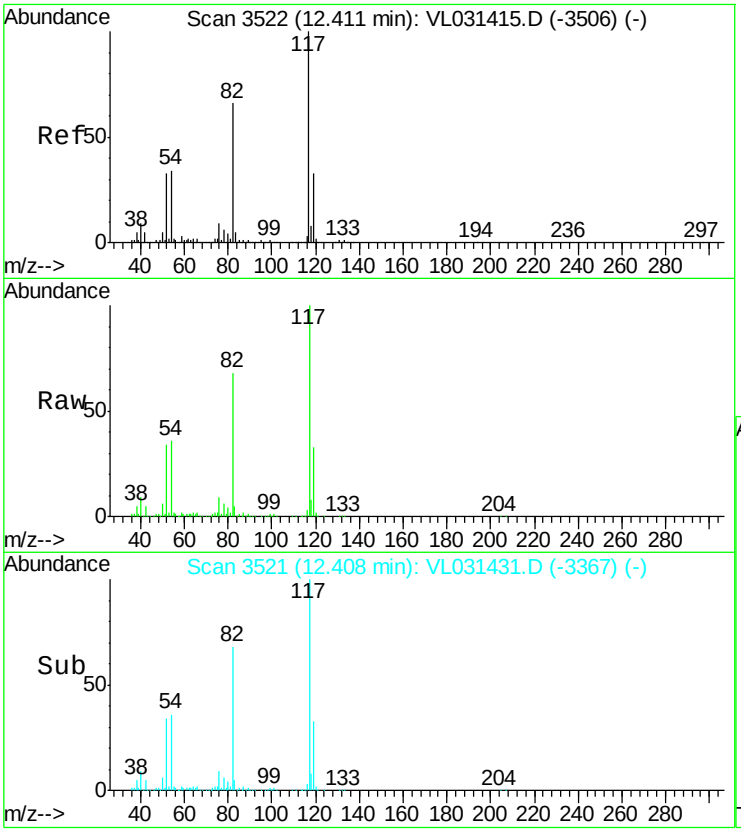


#54
1,2-Dibromoethane
Concen: 0.04 ppbv
RT: 10.92 min Scan# 3058
Delta R.T. -0.01 min
Lab File: VL031431.D
Acq: 23 Jan 2018 00:51

Tgt Ion:107 Resp: 7019

Ion	Ratio	Lower	Upper
107	100		
109	75.9	75.5	113.3



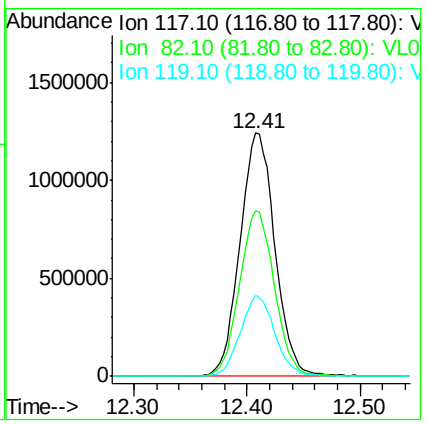


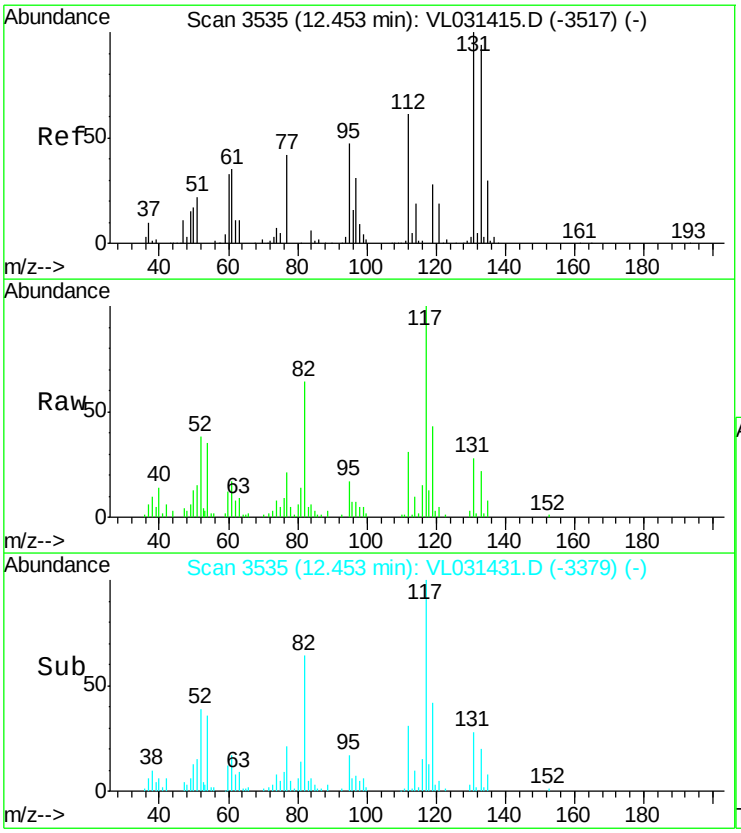
#55
Chlorobenzene-d5
Concen: 10.00 ppbv
RT: 12.41 min Scan# 3521
Delta R.T. -0.01 min
Lab File: VL031431.D
Acq: 23 Jan 2018 00:51

Instrument :
MSVOA_L
ClientSampleId :
MDL-AIR-6

Tgt Ion:117 Resp: 2669897

Ion	Ratio	Lower	Upper
117	100		
82	68.4	51.8	77.6
119	33.1	24.2	36.2

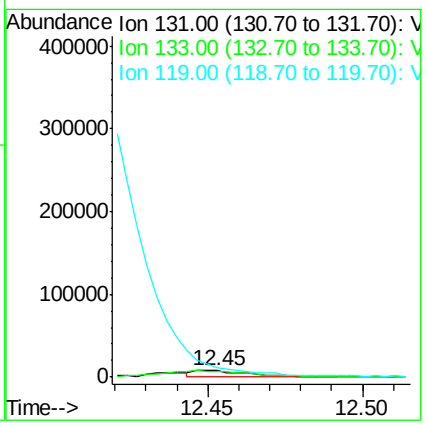


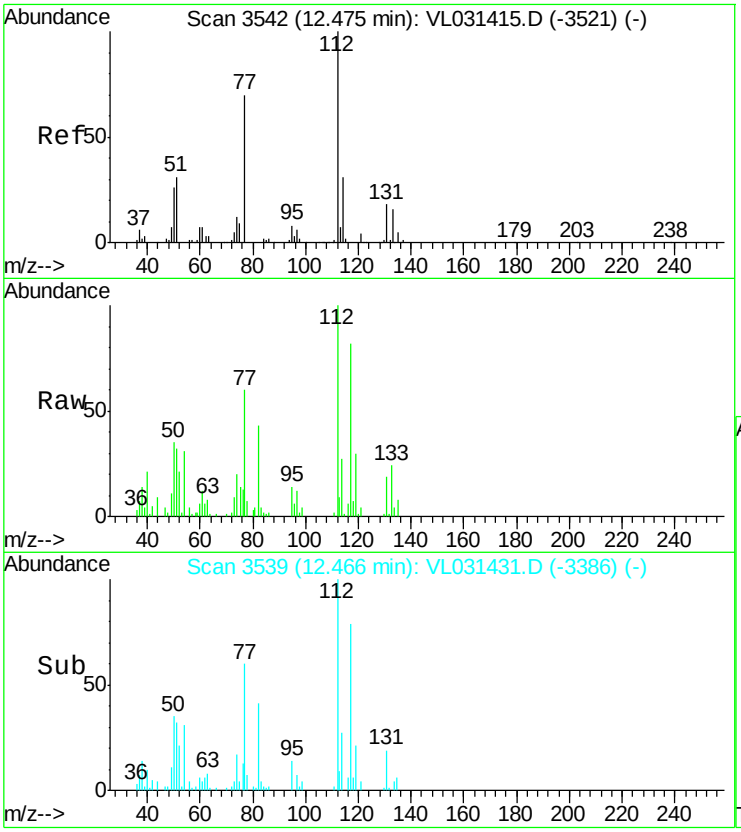


#56
1,1,1,2-Tetrachloroethane
Concen: 0.08 ppbv
RT: 12.45 min Scan# 3535
Delta R.T. 0.00 min
Lab File: VL031431.D
Acq: 23 Jan 2018 00:51

Tgt Ion:131 Resp: 9885

Ion	Ratio	Lower	Upper
131	100		
133	164.2	76.9	115.3#
119	0.0	47.7	71.5#



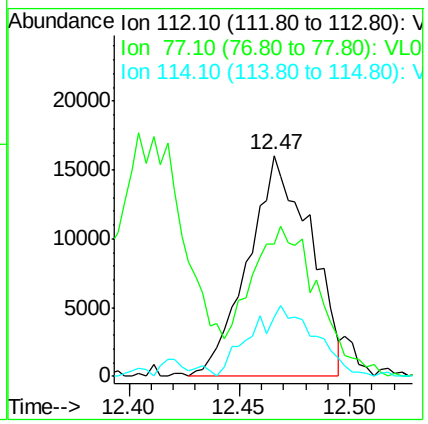


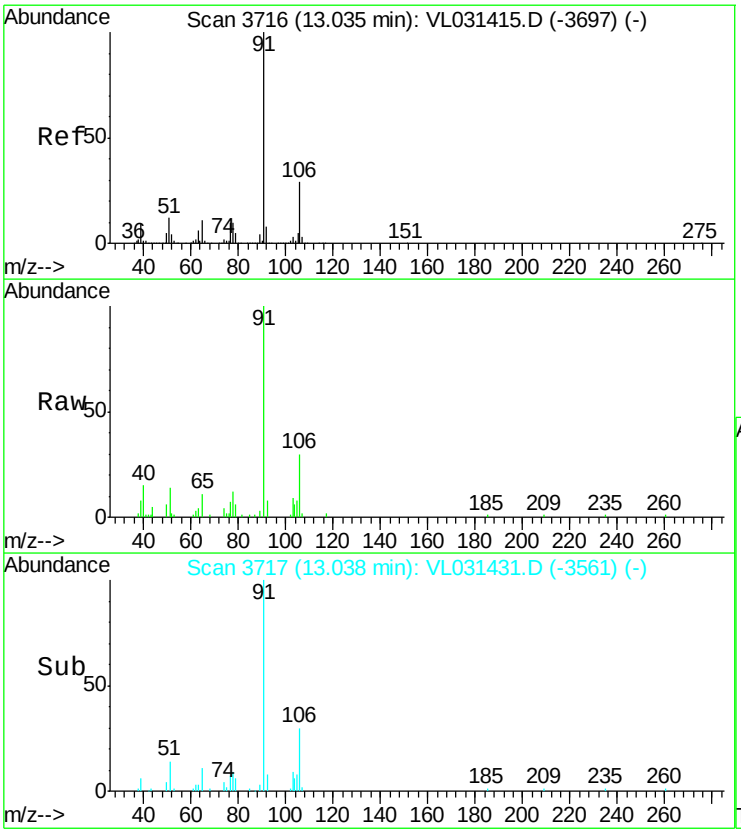
#57
Chlorobenzene
Concen: 0.14 ppbv
RT: 12.47 min Scan# 3539
Delta R.T. -0.01 min
Lab File: VL031431.D
Acq: 23 Jan 2018 00:51

Instrument :
MSVOA_L
ClientSampleId :
MDL-AIR-6

Tgt Ion:112 Resp: 31428

Ion	Ratio	Lower	Upper
112	100		
77	35.8	56.0	84.0#
114	23.6	29.1	35.5#

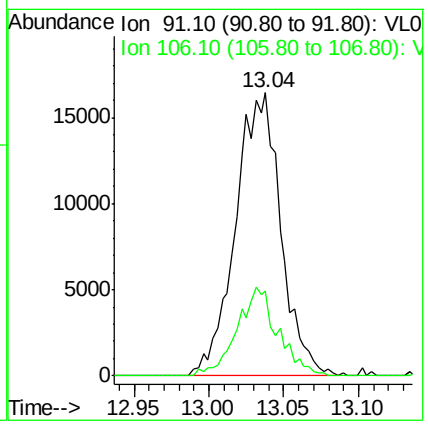


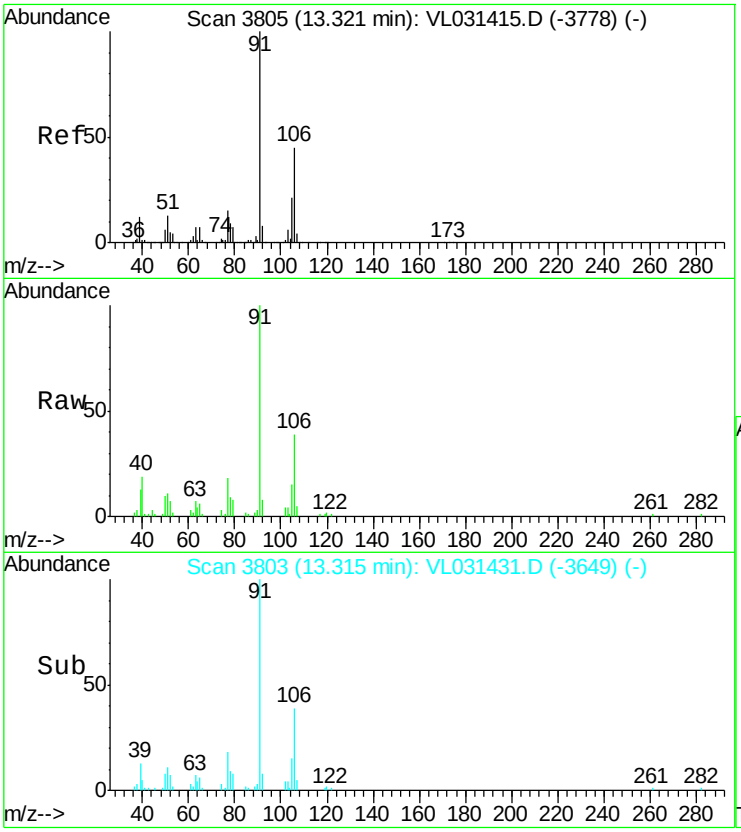


#58
Ethyl Benzene
Concen: 0.09 ppbv
RT: 13.04 min Scan# 3717
Delta R.T. 0.00 min
Lab File: VL031431.D
Acq: 23 Jan 2018 00:51

Tgt Ion: 91 Resp: 34668

Ion	Ratio	Lower	Upper
91	100		
106	30.1	23.8	35.6



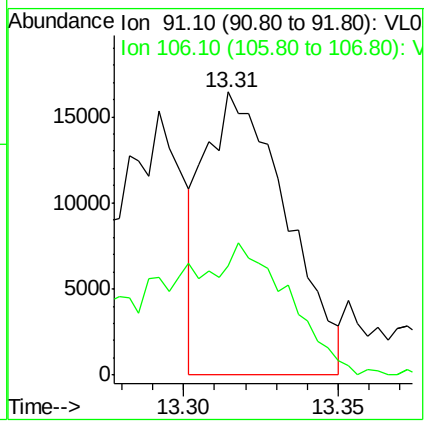


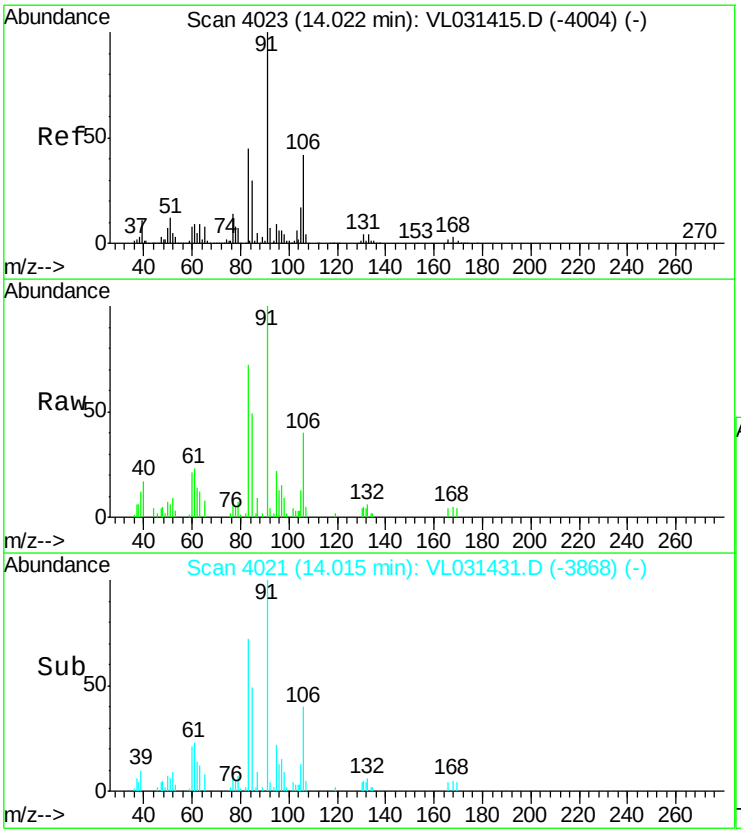
#59
m/p-Xylene
Concen: 0.09 ppbv
RT: 13.31 min Scan# 3803
Delta R.T. -0.01 min
Lab File: VL031431.D
Acq: 23 Jan 2018 00:51

Instrument : MSVOA_L
ClientSampleId : MDL-AIR-6

Tgt Ion: 91 Resp: 30358

Ion	Ratio	Lower	Upper
91	100		
106	83.2	35.6	53.4#

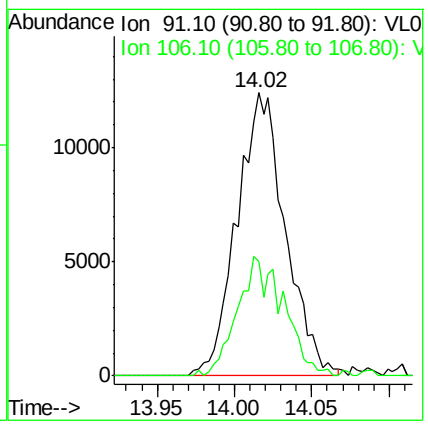


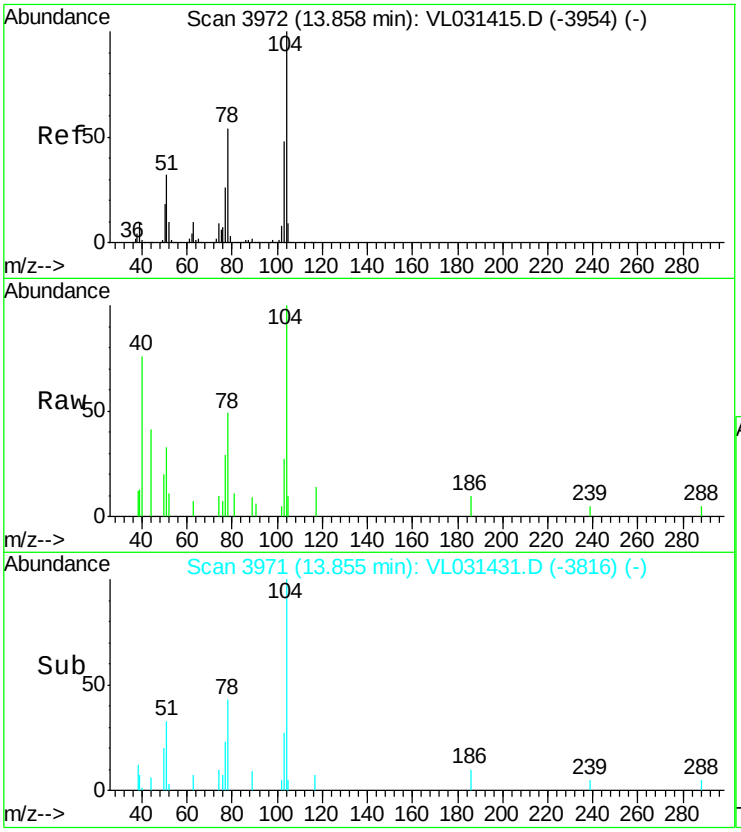


#60
o-Xylene
Concen: 0.08 ppbv
RT: 14.02 min Scan# 4021
Delta R.T. -0.01 min
Lab File: VL031431.D
Acq: 23 Jan 2018 00:51

Tgt Ion: 91 Resp: 27067

Ion	Ratio	Lower	Upper
91	100		
106	40.2	21.3	64.0



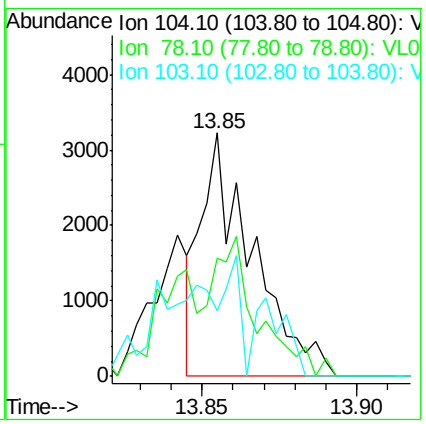


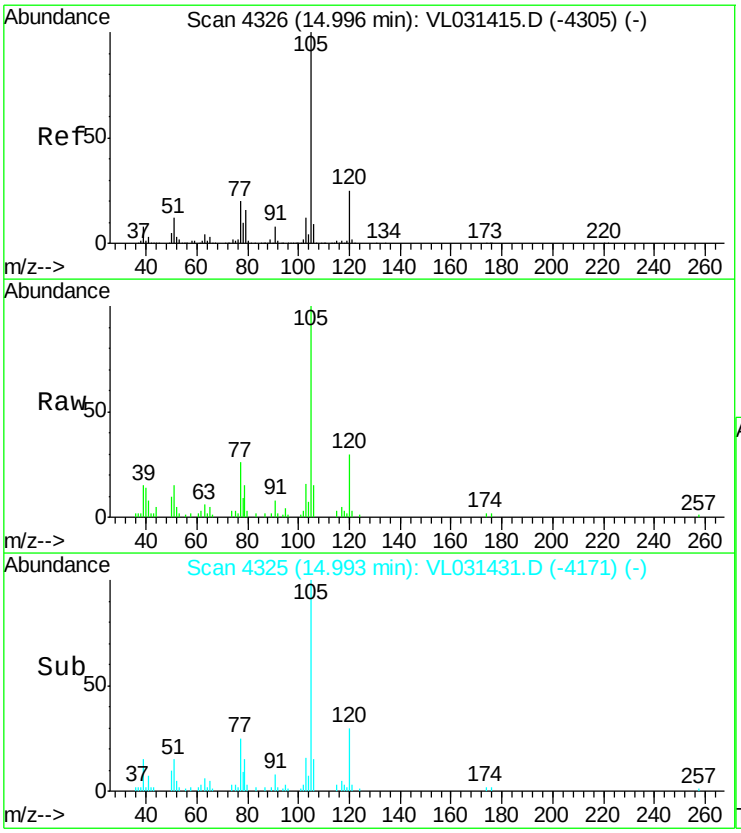
#61
Styrene
Concen: 0.05 ppbv
RT: 13.85 min Scan# 3971
Delta R.T. -0.00 min
Lab File: VL031431.D
Acq: 23 Jan 2018 00:51

Instrument : MSVOA_L
ClientSampleId : MDL-AIR-6

Tgt Ion:104 Resp: 3715

Ion	Ratio	Lower	Upper
104	100		
78	90.4	45.4	68.0#
103	79.8	38.6	57.8#

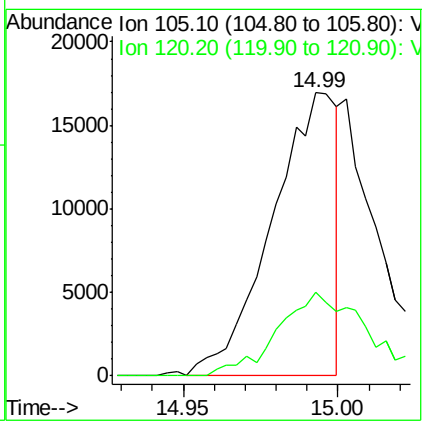


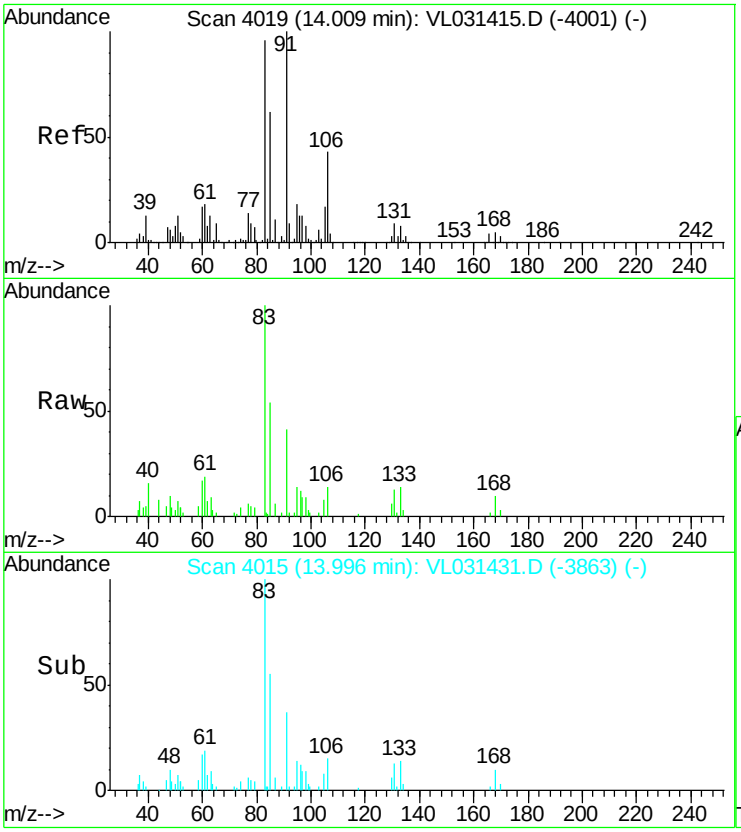


#62
Isopropylbenzene
Concen: 0.06 ppbv
RT: 14.99 min Scan# 4325
Delta R.T. -0.01 min
Lab File: VL031431.D
Acq: 23 Jan 2018 00:51

Tgt Ion:105 Resp: 24692

Ion	Ratio	Lower	Upper
105	100		
120	40.8	19.9	29.9#



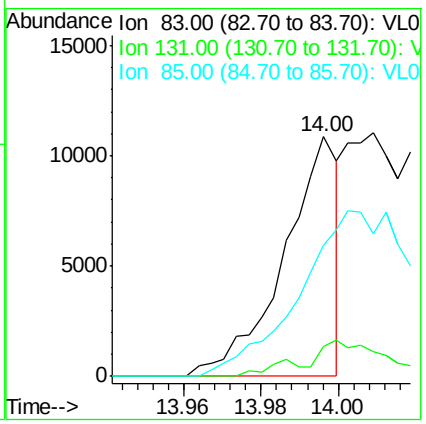


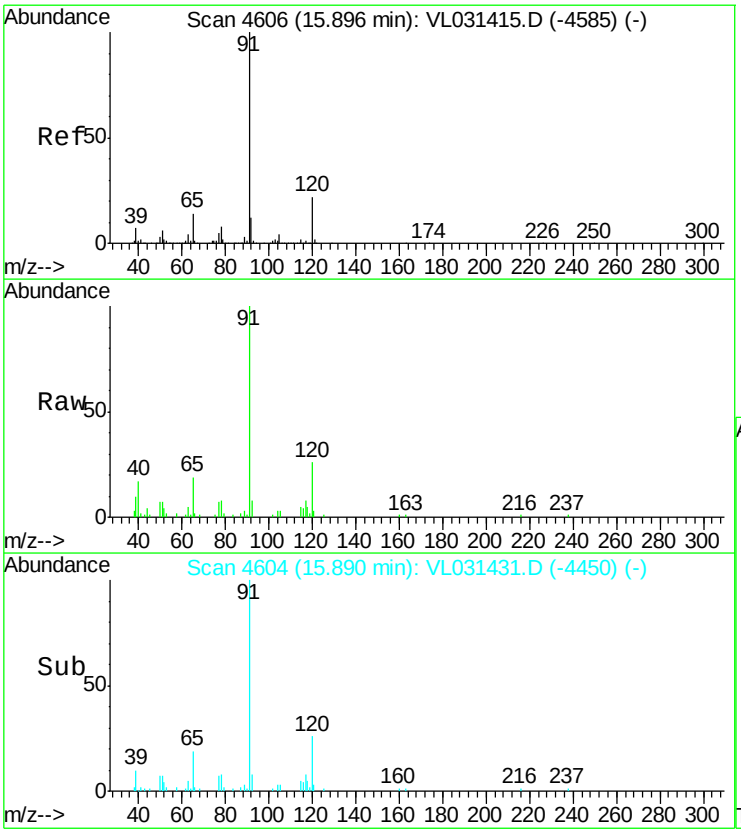
#63
1,1,2,2-Tetrachloroethane
Concen: 0.05 ppbv
RT: 14.00 min Scan# 4015
Delta R.T. -0.01 min
Lab File: VL031431.D
Acq: 23 Jan 2018 00:51

Instrument : MSVOA_L
ClientSampleId : MDL-AIR-6

Tgt Ion: 83 Resp: 10570

Ion	Ratio	Lower	Upper
83	100		
131	26.7	4.8	14.3#
85	169.7	32.4	97.0#

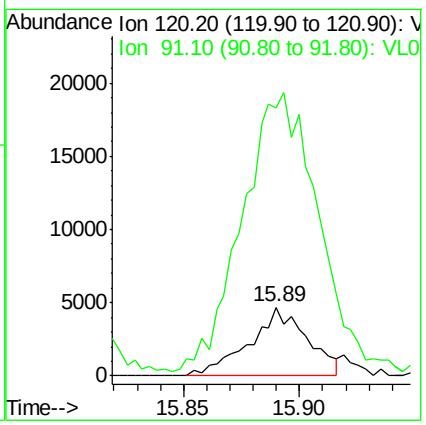


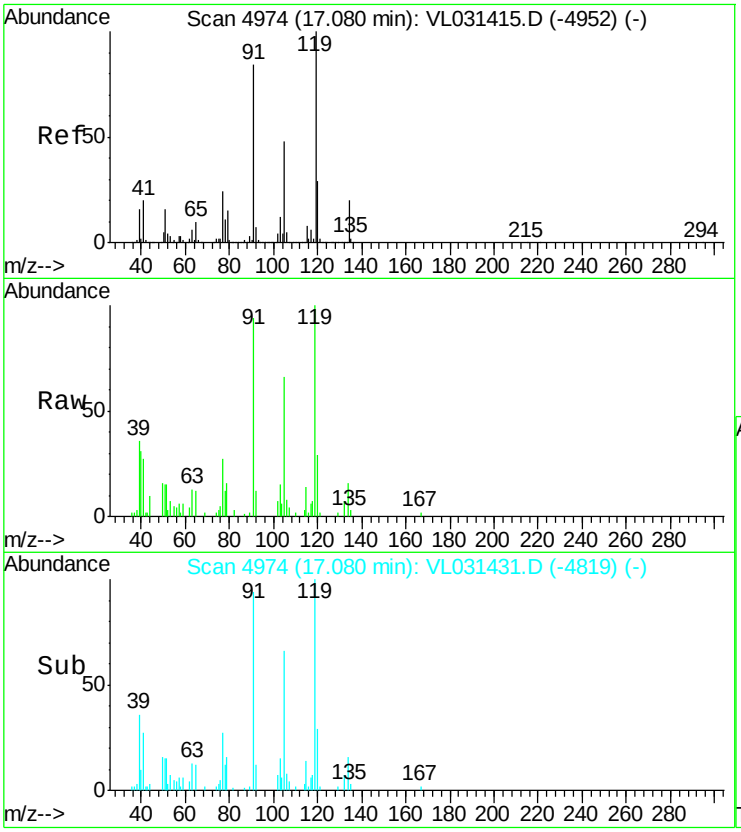


#64
n-propylbenzene
Concen: 0.08 ppbv
RT: 15.89 min Scan# 4604
Delta R.T. -0.01 min
Lab File: VL031431.D
Acq: 23 Jan 2018 00:51

Tgt Ion:120 Resp: 8117

Ion	Ratio	Lower	Upper
120	100		
91	572.1	389.8	584.6



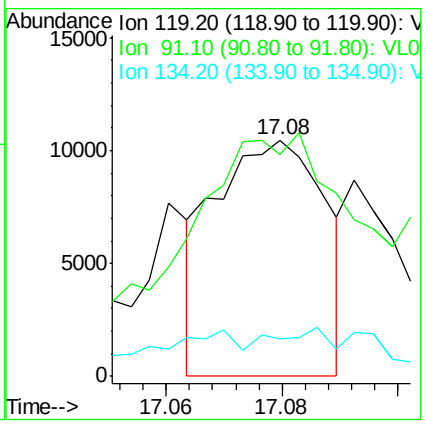


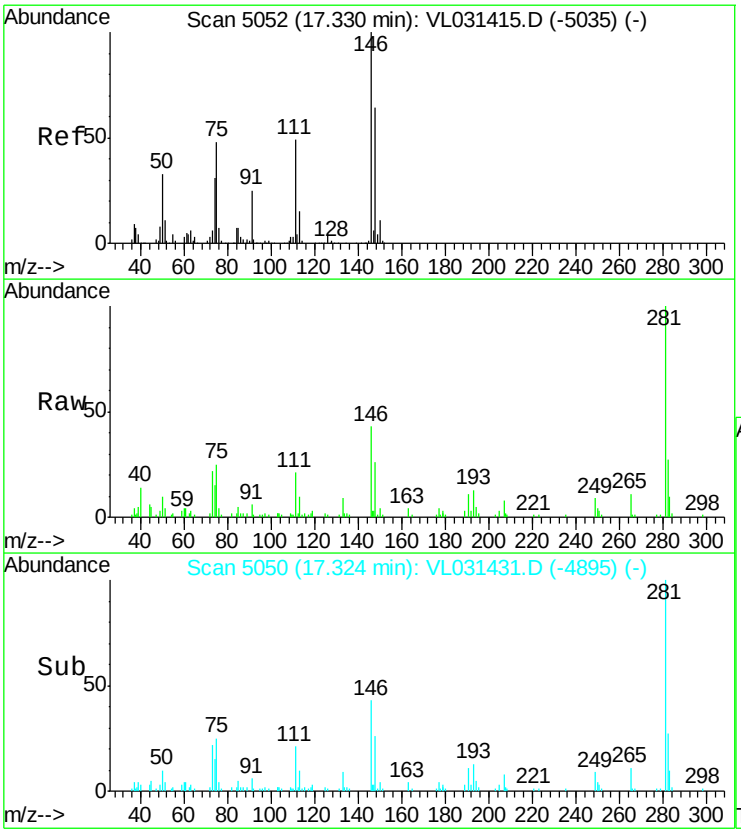
#65
tert-Butylbenzene
Concen: 0.04 ppbv
RT: 17.08 min Scan# 4974
Delta R.T. -0.00 min
Lab File: VL031431.D
Acq: 23 Jan 2018 00:51

Instrument : MSVOA_L
ClientSampleId : MDL-AIR-6

Tgt Ion:119 Resp: 13698

Ion	Ratio	Lower	Upper
119	100		
91	210.4	69.0	103.6#
134	43.3	15.7	23.5#

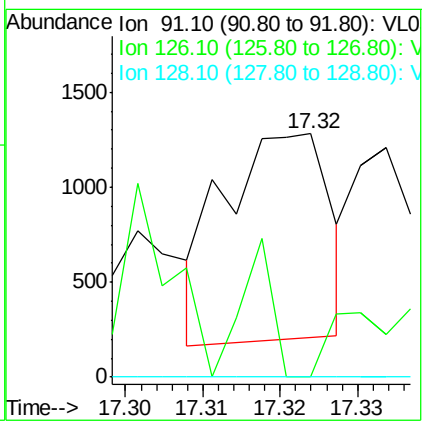


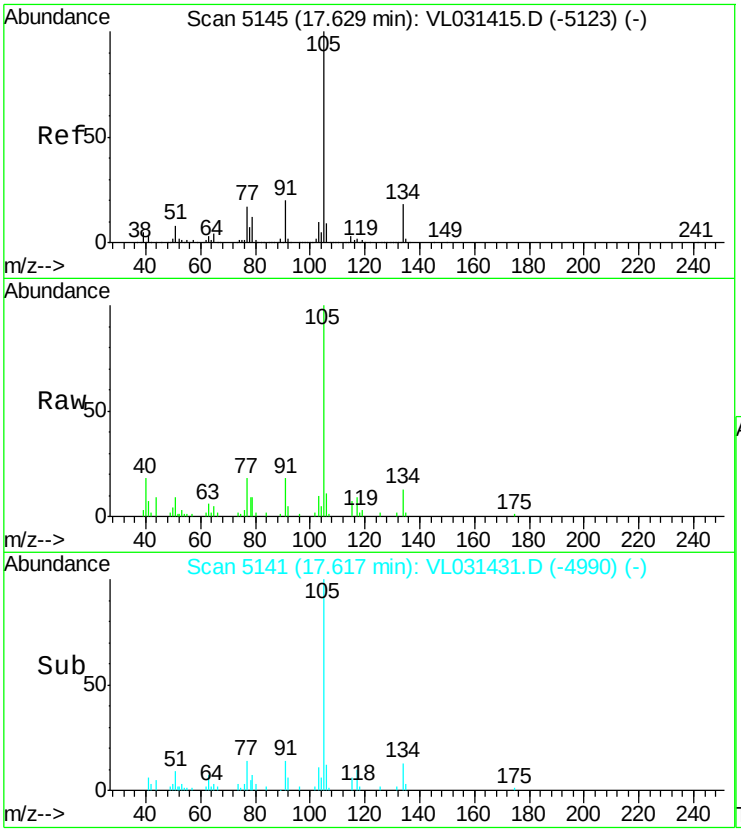


#66
Benzyl Chloride
Concen: 0.03 ppbv
RT: 17.32 min Scan# 5050
Delta R.T. -0.00 min
Lab File: VL031431.D
Acq: 23 Jan 2018 00:51

Tgt Ion: 91 Resp: 1030

Ion	Ratio	Lower	Upper
91	100		
126	0.0	13.8	20.8#
128	0.0	4.6	6.8#



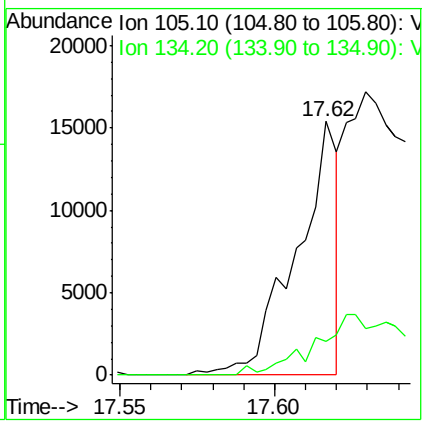


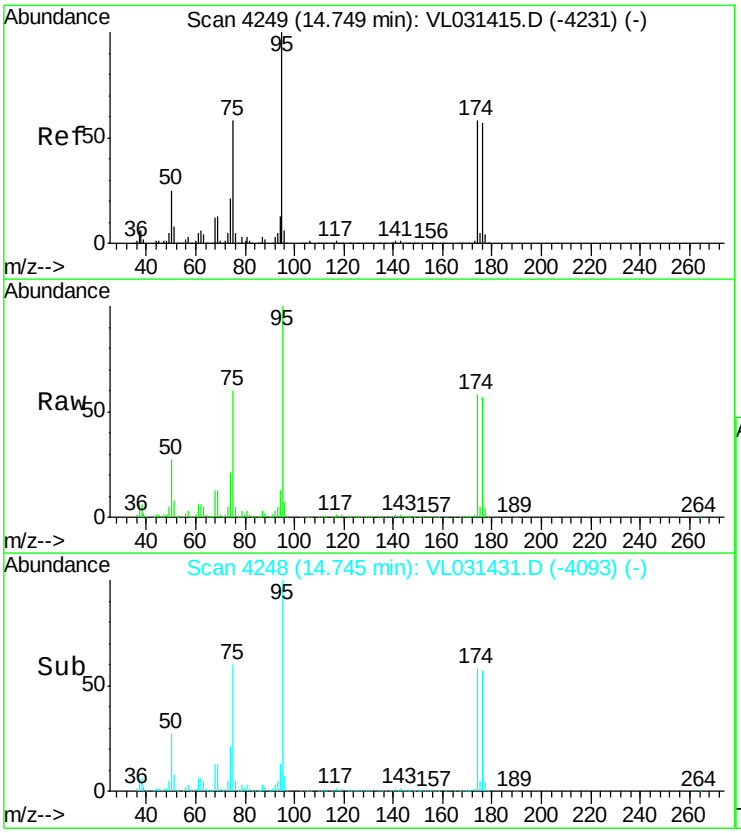
#67
sec-Butylbenzene
Concen: 0.03 ppbv
RT: 17.62 min Scan# 5141
Delta R.T. -0.02 min
Lab File: VL031431.D
Acq: 23 Jan 2018 00:51

Instrument : MSVOA_L
ClientSampleId : MDL-AIR-6

Tgt Ion:105 Resp: 14267

Ion	Ratio	Lower	Upper
105	100		
134	57.6	14.5	21.7#

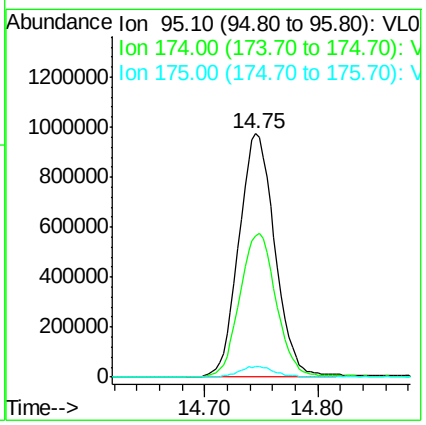


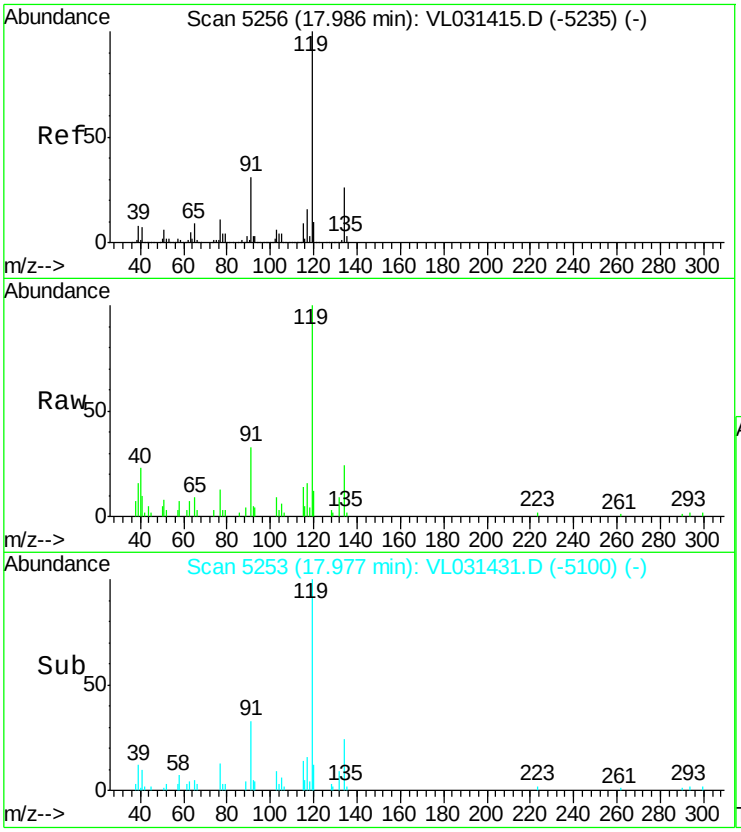


#68
1-Bromo-4-Fluorobenzene
Concen: 10.11 ppbv
RT: 14.75 min Scan# 4248
Delta R.T. -0.00 min
Lab File: VL031431.D
Acq: 23 Jan 2018 00:51

Tgt Ion: 95 Resp: 2161983

Ion	Ratio	Lower	Upper
95	100		
174	59.9	48.2	72.4
175	4.5	3.6	5.4



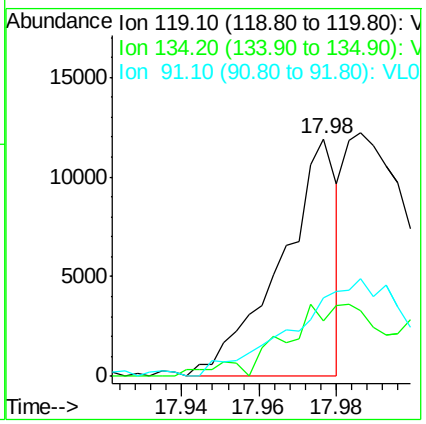


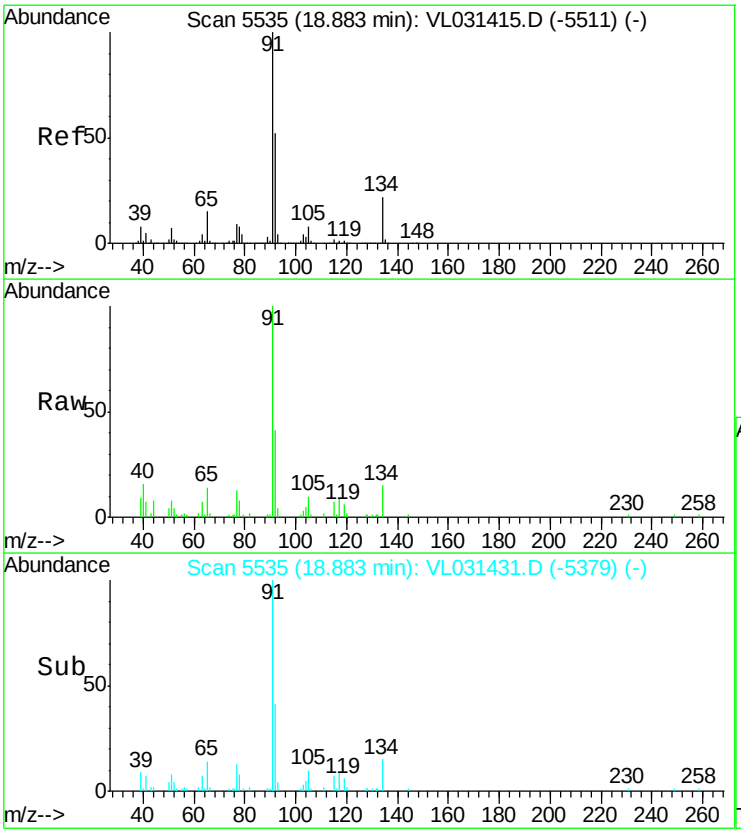
#69
p-Isopropyltoluene
Concen: 0.03 ppbv
RT: 17.98 min Scan# 5253
Delta R.T. -0.01 min
Lab File: VL031431.D
Acq: 23 Jan 2018 00:51

Instrument : MSVOA_L
ClientSampleId : MDL-AIR-6

Tgt Ion:119 Resp: 12041

Ion	Ratio	Lower	Upper
119	100		
134	0.0	20.2	30.4#
91	0.0	25.0	37.4#

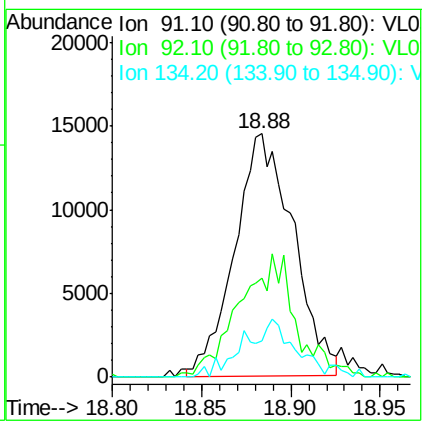


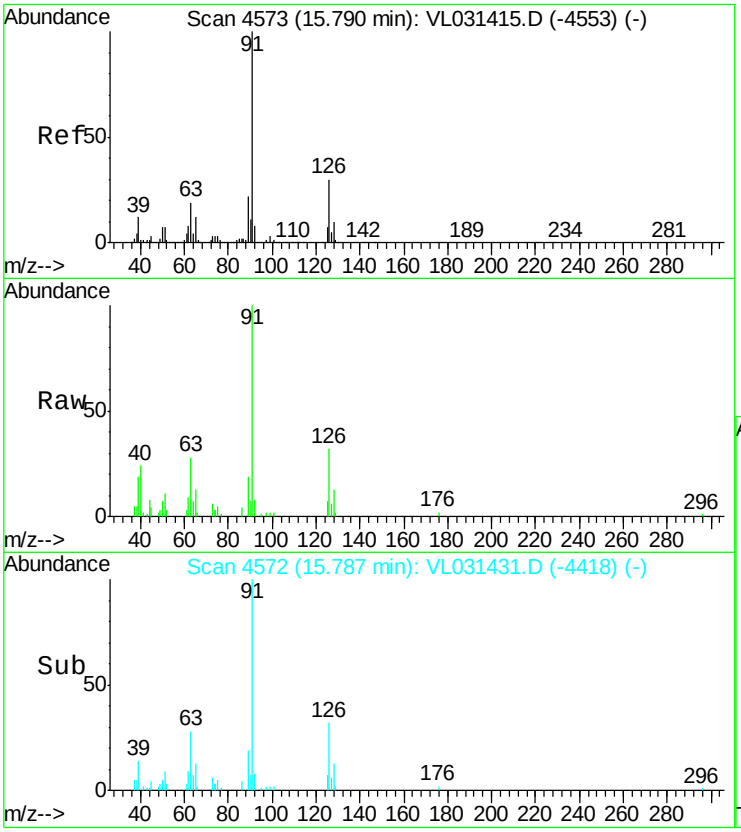


#70
n-Butylbenzene
Concen: 0.08 ppbv
RT: 18.88 min Scan# 5535
Delta R.T. 0.00 min
Lab File: VL031431.D
Acq: 23 Jan 2018 00:51

Tgt Ion: 91 Resp: 33100

Ion	Ratio	Lower	Upper
91	100		
92	49.3	42.2	63.4
134	22.0	17.4	26.2



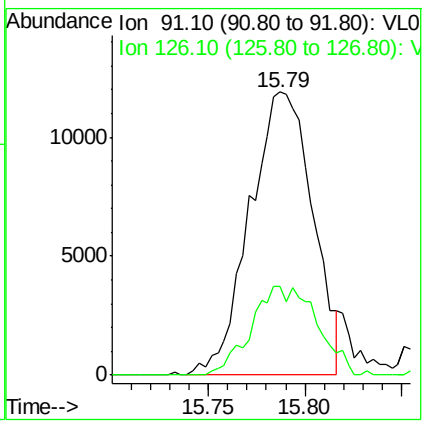


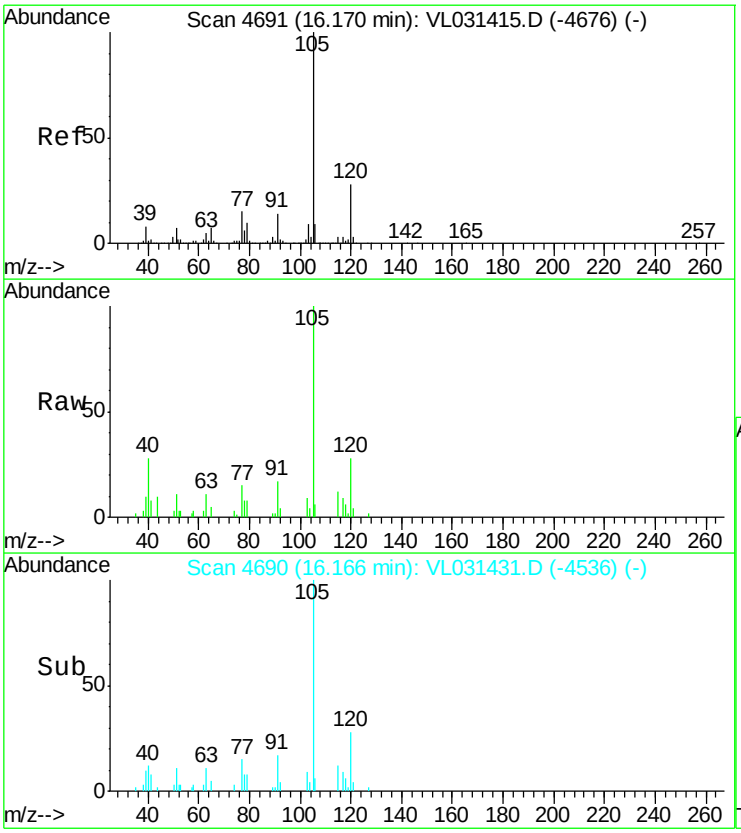
#71
2-Chlorotoluene
Concen: 0.08 ppbv
RT: 15.79 min Scan# 4572
Delta R.T. -0.01 min
Lab File: VL031431.D
Acq: 23 Jan 2018 00:51

Instrument : MSVOA_L
ClientSampleId : MDL-AIR-6

Tgt Ion: 91 Resp: 26813

Ion	Ratio	Lower	Upper
91	100		
126	33.0	11.7	46.9

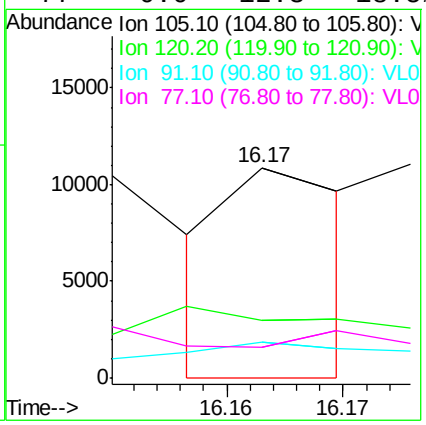


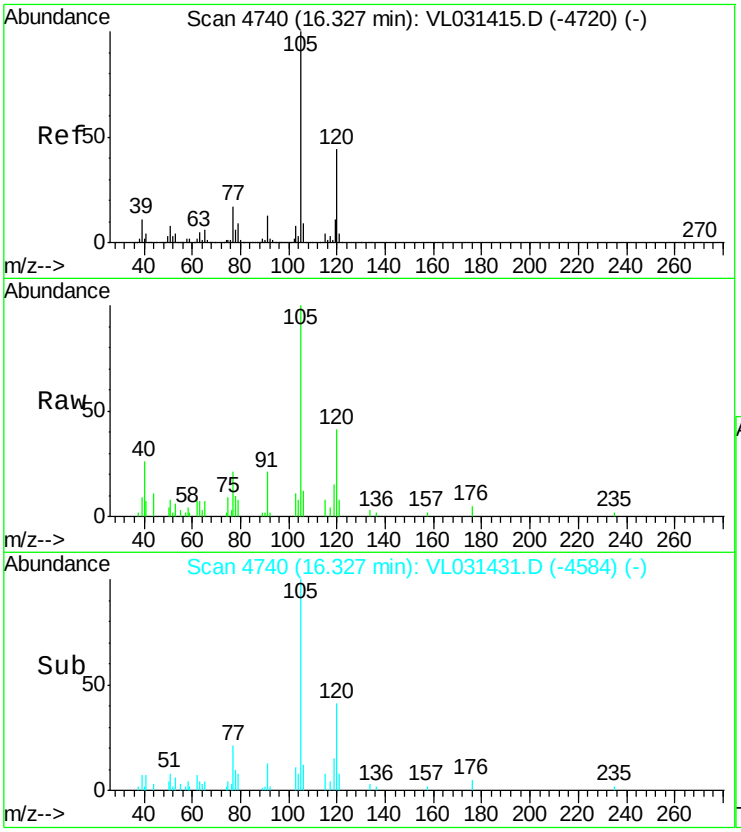


#72
4-Ethyltoluene
Concen: 0.01 ppbv
RT: 16.17 min Scan# 4690
Delta R.T. -0.01 min
Lab File: VL031431.D
Acq: 23 Jan 2018 00:51

Tgt Ion:105 Resp: 3955

Ion	Ratio	Lower	Upper
105	100		
120	181.6	23.0	34.6#
91	0.0	11.0	16.4#
77	0.0	12.3	18.5#



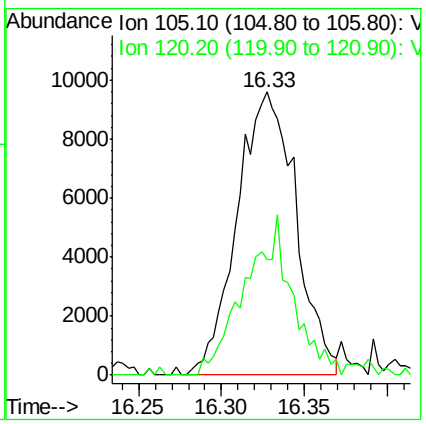


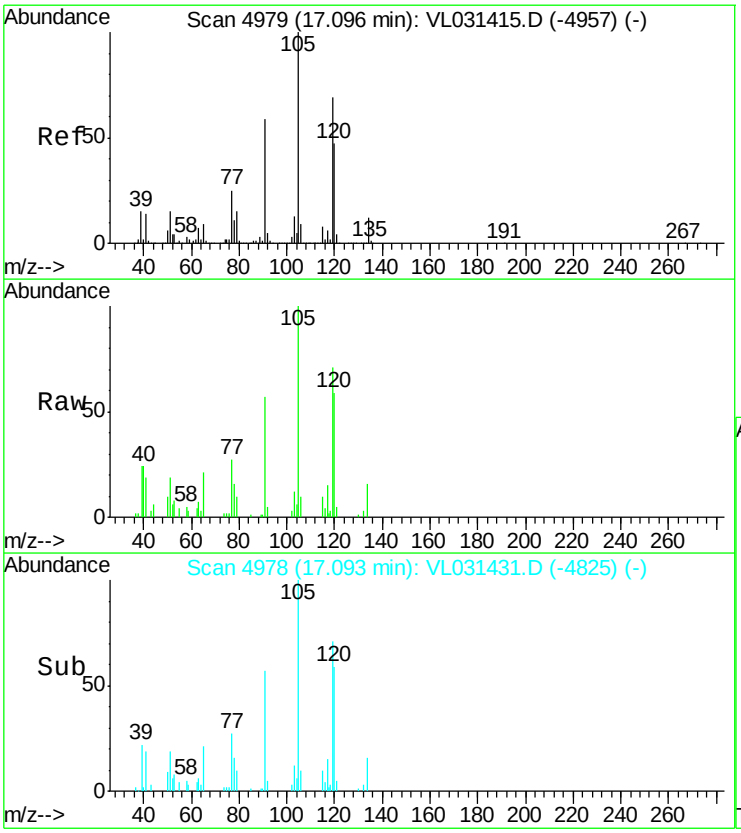
#73
1,3,5-Trimethylbenzene
Concen: 0.08 ppbv
RT: 16.33 min Scan# 4740
Delta R.T. 0.00 min
Lab File: VL031431.D
Acq: 23 Jan 2018 00:51

Instrument :
MSVOA_L
ClientSampleId :
MDL-AIR-6

Tgt Ion:105 Resp: 23653

Ion	Ratio	Lower	Upper
105	100		
120	41.0	35.8	53.6

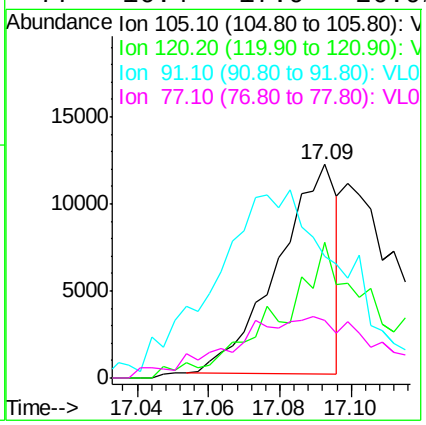


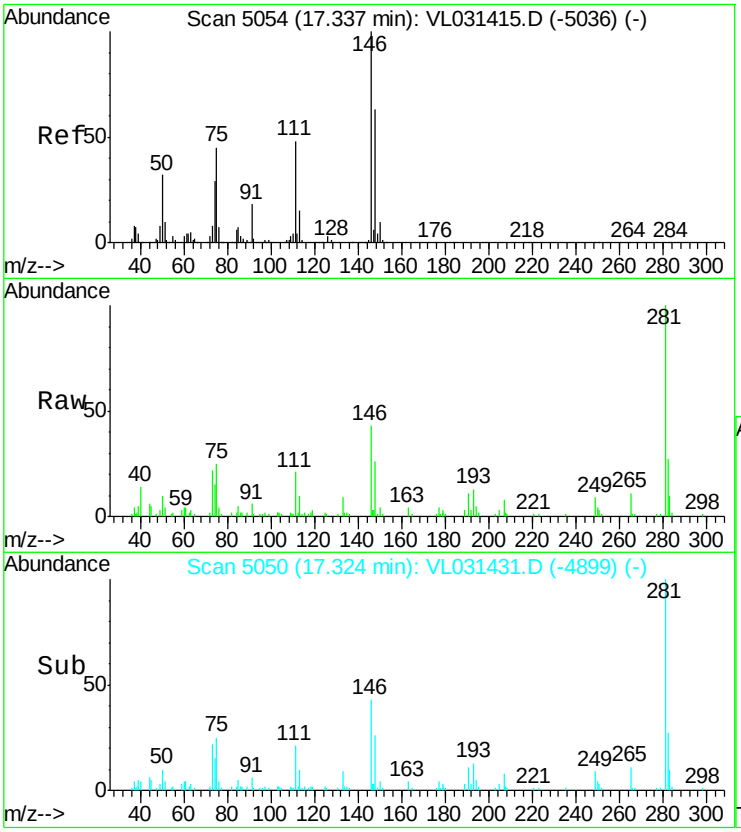


#74
1,2,4-Trimethylbenzene
Concen: 0.04 ppbv
RT: 17.09 min Scan# 4978
Delta R.T. -0.01 min
Lab File: VL031431.D
Acq: 23 Jan 2018 00:51

Tgt Ion:105 Resp: 13809

Ion	Ratio	Lower	Upper
105	100		
120	58.8	37.0	55.6#
91	21.7	35.1	52.7#
77	16.4	17.9	26.9#



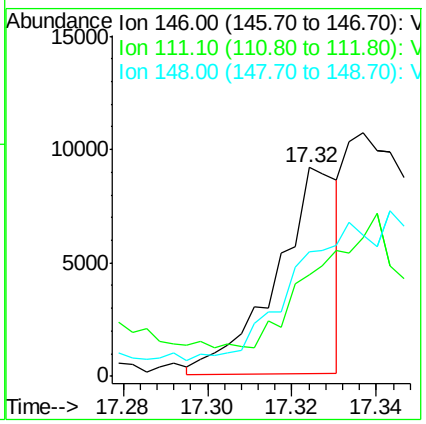


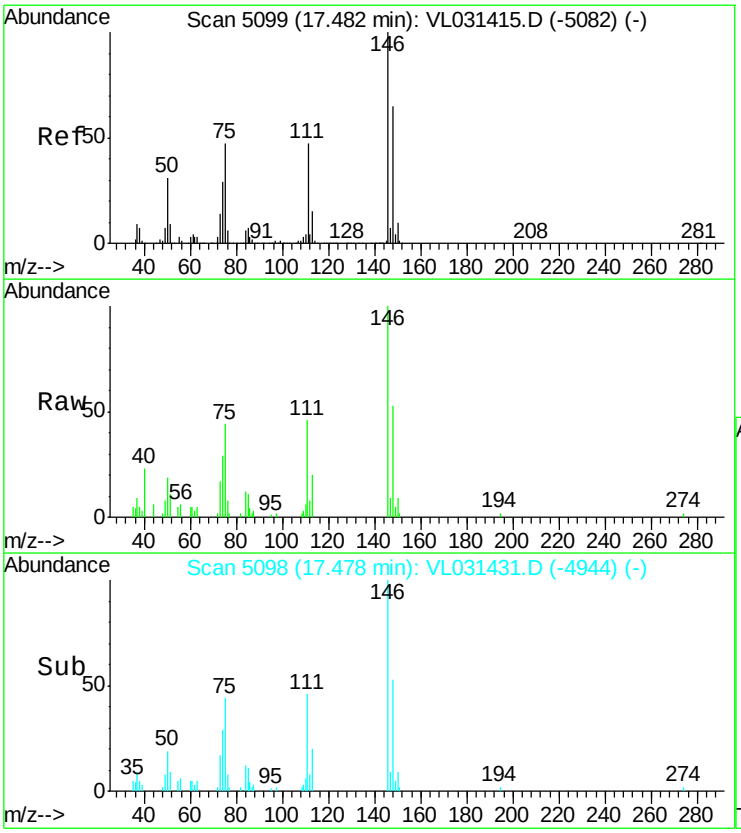
#75
1,3-Dichlorobenzene
Concen: 0.04 ppbv
RT: 17.32 min Scan# 5050
Delta R.T. -0.02 min
Lab File: VL031431.D
Acq: 23 Jan 2018 00:51

Instrument :
MSVOA_L
ClientSampleId :
MDL-AIR-6

Tgt Ion:146 Resp: 9298

Ion	Ratio	Lower	Upper
146	100		
111	0.0	24.2	72.6#
148	0.0	32.1	96.3#

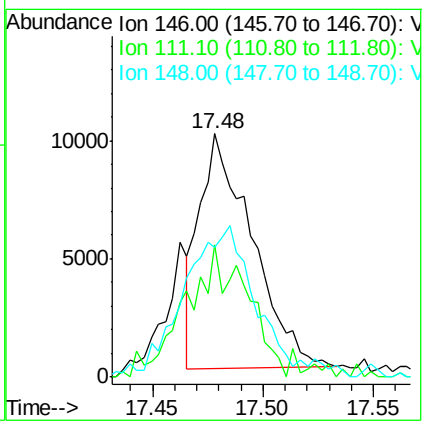


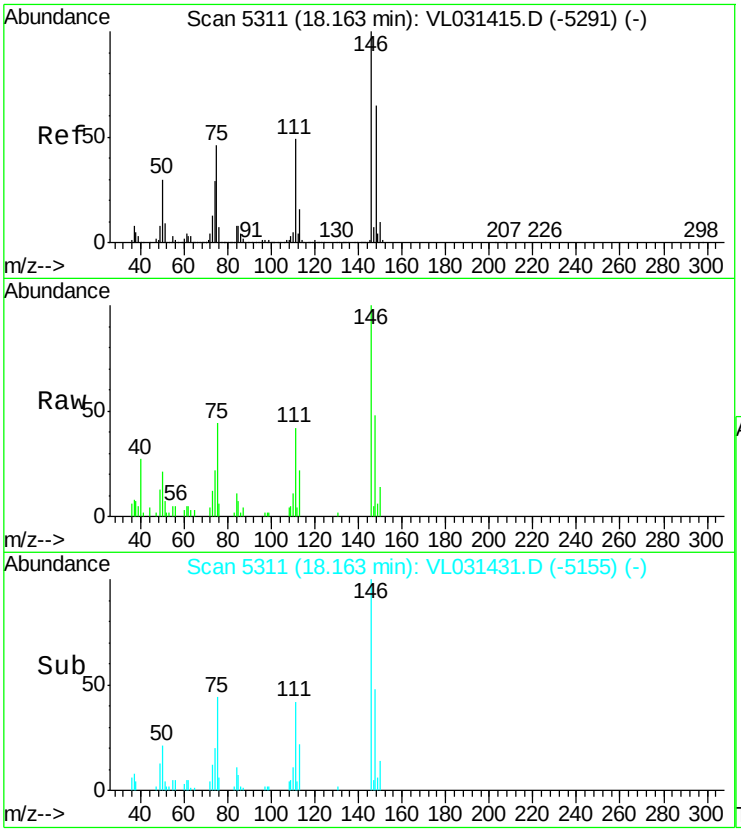


#76
1,4-Dichlorobenzene
Concen: 0.08 ppbv
RT: 17.48 min Scan# 5098
Delta R.T. -0.01 min
Lab File: VL031431.D
Acq: 23 Jan 2018 00:51

Tgt Ion:146 Resp: 16480

Ion	Ratio	Lower	Upper
146	100		
111	70.5	23.3	69.9#
148	90.9	32.4	97.2



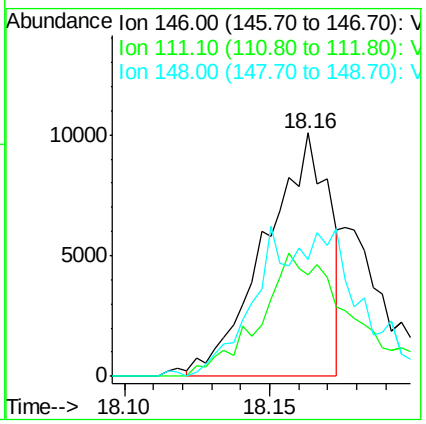


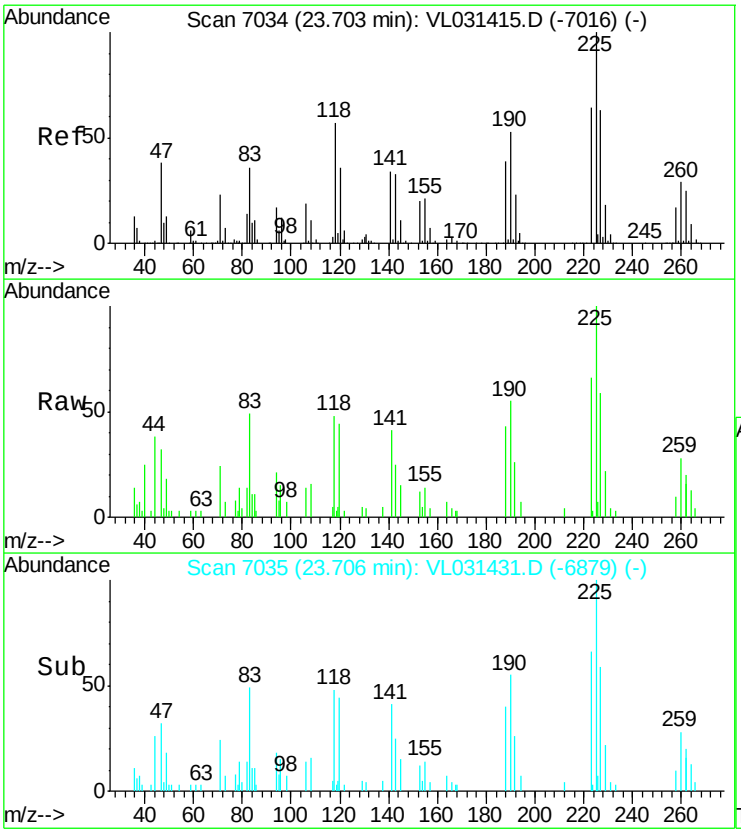
#77
1,2-Dichlorobenzene
Concen: 0.08 ppbv
RT: 18.16 min Scan# 5311
Delta R.T. 0.00 min
Lab File: VL031431.D
Acq: 23 Jan 2018 00:51

Instrument : MSVOA_L
ClientSampleId : MDL-AIR-6

Tgt Ion:146 Resp: 15450

Ion	Ratio	Lower	Upper
146	100		
111	70.9	24.6	74.0
148	96.8	32.3	96.8#

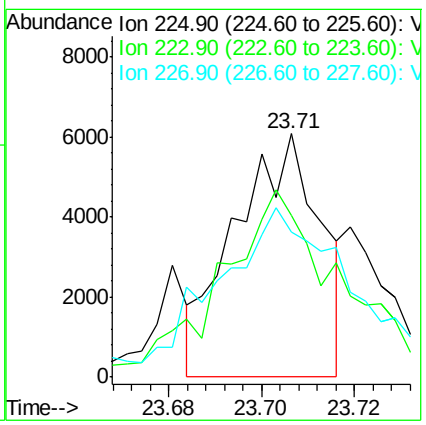


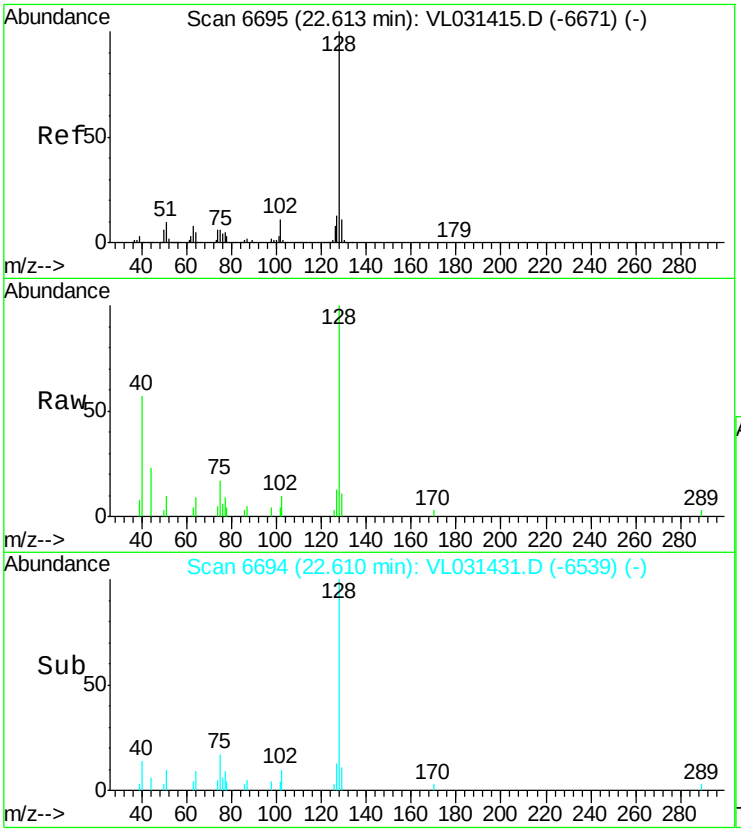


#78
Hexachloro-1,3-Butadiene
Concen: 0.11 ppbv
RT: 23.71 min Scan# 7035
Delta R.T. 0.00 min
Lab File: VL031431.D
Acq: 23 Jan 2018 00:51

Tgt Ion:225 Resp: 7756

Ion	Ratio	Lower	Upper
225	100		
223	112.0	51.3	76.9#
227	114.3	50.7	76.1#



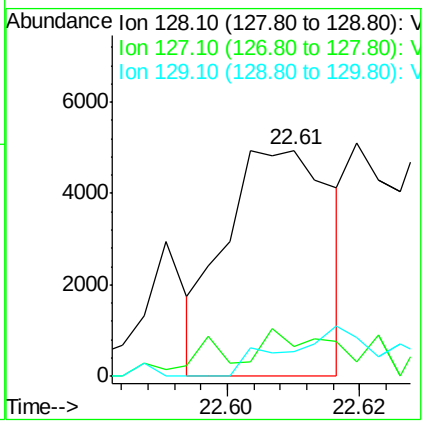


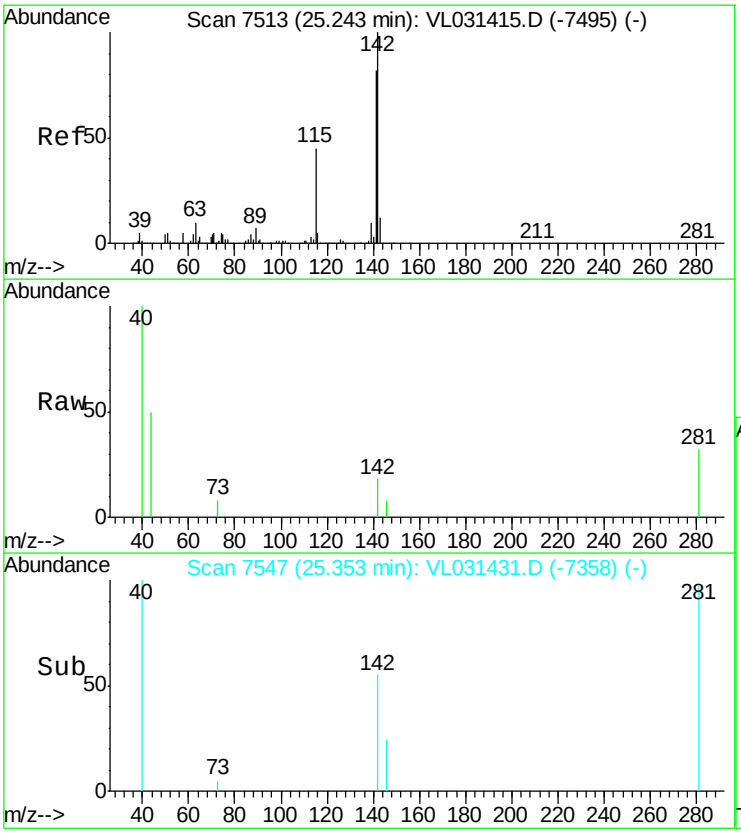
#79
Naphthalene
Concen: 0.03 ppbv
RT: 22.61 min Scan# 6694
Delta R.T. -0.00 min
Lab File: VL031431.D
Acq: 23 Jan 2018 00:51

Instrument : MSVOA_L
ClientSampleId : MDL-AIR-6

Tgt Ion:128 Resp: 5496

Ion	Ratio	Lower	Upper
128	100		
127	0.0	10.6	16.0#
129	16.8	9.2	13.8#

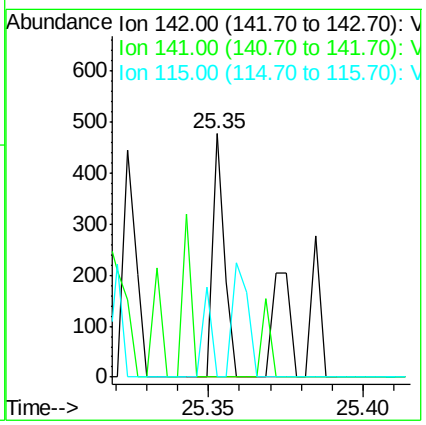


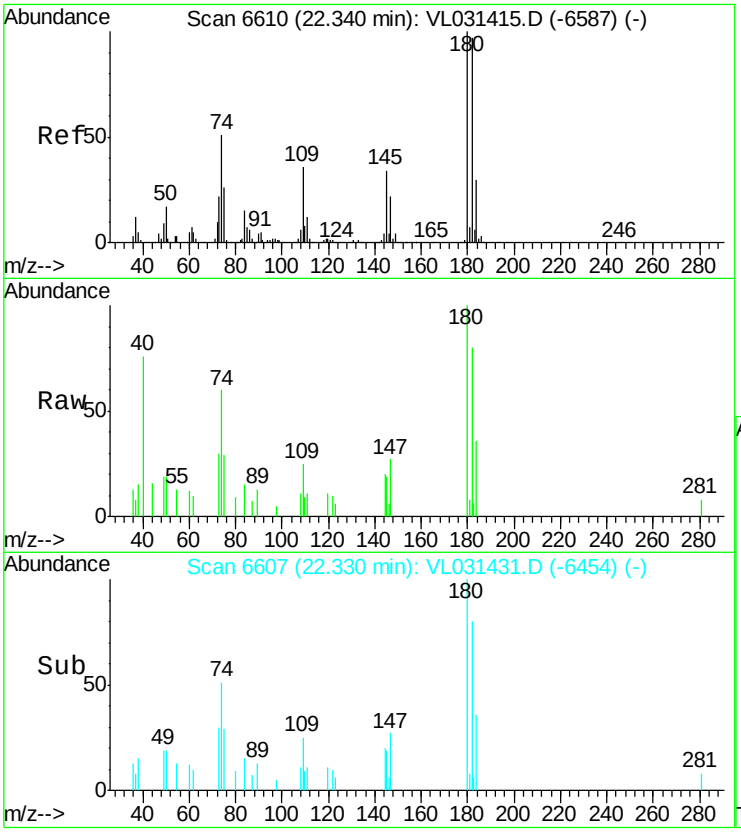


#80
Naphthalene,2-methyl-
Concen: 0.00 ppbv
RT: 25.35 min Scan# 7547
Delta R.T. 0.11 min
Lab File: VL031431.D
Acq: 23 Jan 2018 00:51

Tgt Ion:142 Resp: 261

Ion	Ratio	Lower	Upper
142	100		
141	87.4	68.7	103.1
115	41.8	36.3	54.5





#81
1,2,4-Trichlorobenzene
Concen: 0.01 ppbv
RT: 22.33 min Scan# 6607
Delta R.T. -0.01 min
Lab File: VL031431.D
Acq: 23 Jan 2018 00:51

Instrument :
MSVOA_L
ClientSampleId :
MDL-AIR-6

Tgt Ion:180 Resp: 1427

Ion	Ratio	Lower	Upper
180	100		
182	0.0	76.2	114.4#
184	0.0	24.2	36.4#