Quantitation Report (Not Reviewed)

Data Path : W:\HPCHEM1\MSVOA_L\DATA\VL012218\
Data File : VL031437.D
Acq On : 23 Jan 2018 4:28
Operator : SY/AP
Sample : J1089-12
Misc : 400ml/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_L
ClientSampleId : MDL-AIR-5

Quant Time: Jan 23 06:25:13 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	5.91	49	1172957	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.45	114	2640567	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.41	117	2591603	10.00	ppbv	0.00
System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	14.75	95	2130221	10.26	ppbv	0.00
Spiked Amount 10.000	Range 65 - 135		Recovery = 102.60%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	3.18	85	9399	0.06	ppbv	91
3) Chlorodifluoromethane	3.12	51	5385	0.03	ppbv #	88
4) Chloromethane	3.28	50	3125	0.05	ppbv #	86
5) Vinyl Chloride	3.40	62	2402	0.04	ppbv #	69
6) Bromomethane	3.64	94	1560	0.03	ppbv	86
7) Chloroethane	3.72	64	593	0.02	ppbv #	42
8) Dichlorotetrafluoroethane	3.33	85	7058	0.04	ppbv	99
9) Propene	3.13	41	748	0.01	ppbv #	16
10) Heptane	8.40	43	775	0.00	ppbv #	28
11) Trichlorofluoromethane	4.13	101	7332	0.03	ppbv	89
12) 1,1,2-Trichlorotrifluoroet	4.68	101	2405	0.02	ppbv #	11
13) Ethanol	3.78	45	157	0.01	ppbv #	38
14) Bromoethene	3.90	108	1435	0.03	ppbv #	86
15) Acetone	4.06	43	10554	0.07	ppbv	99
16) 1,3-Butadiene	3.47	39	669	0.01	ppbv #	1
17) tert-Butyl alcohol	4.51	59	34	0.00	ppbv #	71
18) 1,1-Dichloroethene	4.48	96	909	0.02	ppbv #	37
19) Isopropyl Alcohol	4.19	45	2398	0.02	ppbv #	1
20) Methylene Chloride	4.54	84	3825	0.06	ppbv #	62
21) Allyl Chloride	4.61	41	1065	0.01	ppbv #	1
22) trans-1,2-Dichloroethene	5.10	96	1430	0.02	ppbv #	42
23) Vinyl Acetate	5.31	43	3807	0.02	ppbv #	94
24) 1,1-Dichloroethane	5.23	63	669	0.00	ppbv #	56
25) Ethyl Acetate	5.89	43	64	0.00	ppbv #	76
26) Hexane	5.93	57	2966	0.02	ppbv #	56
27) Carbon Disulfide	4.76	76	5412	0.03	ppbv #	76
28) Methyl tert-Butyl Ether	5.28	73	1250	0.01	ppbv #	54
29) Chloroform	5.99	83	6948	0.03	ppbv #	81
30) Cyclohexane	7.40	84	348	0.00	ppbv #	1
31) cis-1,2-Dichloroethene	5.78	61	1996	0.02	ppbv #	42
32) 1,1,1-Trichloroethane	6.77	97	1157	0.01	ppbv #	1
34) 2-Butanone	5.46	43	84	0.00	ppbv #	55
35) Carbon Tetrachloride	7.29	117	6441	0.03	ppbv #	83
36) Benzene	7.16	78	3478	0.01	ppbv #	67
37) 1,2-Dichloroethane	6.57	62	3927	0.02	ppbv #	85
38) Trichloroethene	8.12	130	1085	0.01	ppbv #	38
39) 1,2-Dichloropropane	7.44	63	745531	8.46	ppbv #	22
40) 1,4-Dioxane	8.20	88	69	0.00	ppbv #	1
41) Tetrahydrofuran	6.35	42	958	0.01	ppbv #	35
42) Bromodichloromethane	8.08	83	6597	0.03	ppbv #	77
43) Methyl Methacrylate	8.29	69	319	0.00	ppbv #	1

Quantitation Report (Not Reviewed)

Data Path : W:\HPCHEM1\MSVOA_L\DATA\VL012218\
Data File : VL031437.D
Acq On : 23 Jan 2018 4:28
Operator : SY/AP
Sample : J1089-12
Misc : 400ml/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_L
ClientSampleId : MDL-AIR-5

Quant Time: Jan 23 06:25:13 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	8.15	57	2312	0.01 ppbv #	1
45) t-1,3-Dichloropropene	9.58	75	761	0.01 ppbv #	77
46) cis-1,3-Dichloropropene	9.00	75	895	0.01 ppbv #	28
47) 1,1,2-Trichloroethane	9.78	97	1247	0.01 ppbv #	77
48) Dibromochloromethane	10.61	129	2789	0.02 ppbv #	10
49) Bromoform	13.37	173	3122	0.02 ppbv #	84
50) 4-Methyl-2-Pentanone	9.05	43	116	0.00 ppbv #	41
51) 2-Hexanone	10.42	43	65	0.00 ppbv #	31
52) Tetrachloroethene	11.55	164	761	0.01 ppbv #	33
53) Toluene	10.12	91	1592	0.01 ppbv #	1
54) 1,2-Dibromoethane	10.92	107	740	0.00 ppbv #	59
56) 1,1,1,2-Tetrachloroethane	12.45	131	1364	0.01 ppbv #	9
57) Chlorobenzene	12.47	112	2778	0.01 ppbv #	39
58) Ethyl Benzene	13.03	91	4733	0.01 ppbv #	64
59) m/p-Xylene	13.32	91	2279	0.01 ppbv #	32
60) o-Xylene	14.02	91	3086	0.01 ppbv #	33
61) Styrene	13.85	104	148	0.00 ppbv #	1
62) Isopropylbenzene	14.99	105	4282	0.01 ppbv #	38
63) 1,1,2,2-Tetrachloroethane	14.01	83	1268	0.01 ppbv #	1
64) n-propylbenzene	15.89	120	473	0.00 ppbv #	1
65) tert-Butylbenzene	17.08	119	842	0.00 ppbv #	16
66) Benzyl Chloride	17.32	91	191	0.01 ppbv #	66
67) sec-Butylbenzene	17.63	105	3160	0.01 ppbv #	59
69) p-Isopropyltoluene	17.98	119	2042	0.01 ppbv #	46
70) n-Butylbenzene	18.88	91	1785	0.00 ppbv #	34
71) 2-Chlorotoluene	15.79	91	1569	0.01 ppbv #	45
72) 4-Ethyltoluene	16.17	105	1520	0.00 ppbv #	35
73) 1,3,5-Trimethylbenzene	16.33	105	2707	0.01 ppbv #	47
74) 1,2,4-Trimethylbenzene	17.10	105	2561	0.01 ppbv #	46
75) 1,3-Dichlorobenzene	17.33	146	1766	0.01 ppbv #	23
76) 1,4-Dichlorobenzene	17.48	146	2748	0.01 ppbv #	3
77) 1,2-Dichlorobenzene	18.16	146	1335	0.01 ppbv #	1
78) Hexachloro-1,3-Butadiene	23.70	225	1179	0.02 ppbv #	18
79) Naphthalene	22.61	128	333	0.00 ppbv #	68
80) Naphthalene,2-methyl-	25.27	142	741	0.01 ppbv #	35
81) 1,2,4-Trichlorobenzene	22.33	180	689	0.01 ppbv #	12

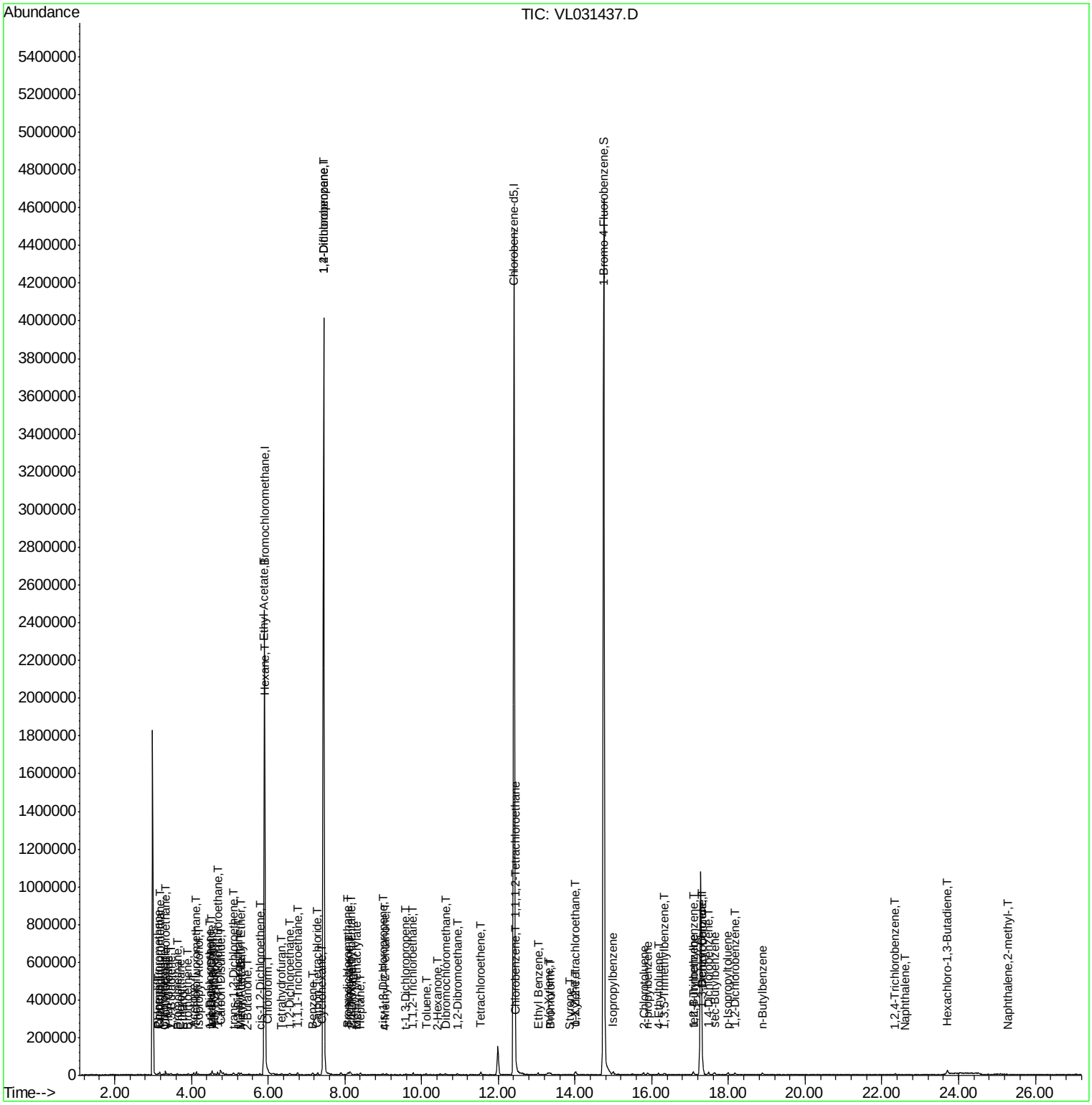
(#) = qualifier out of range (m) = manual integration (+) = signals summed

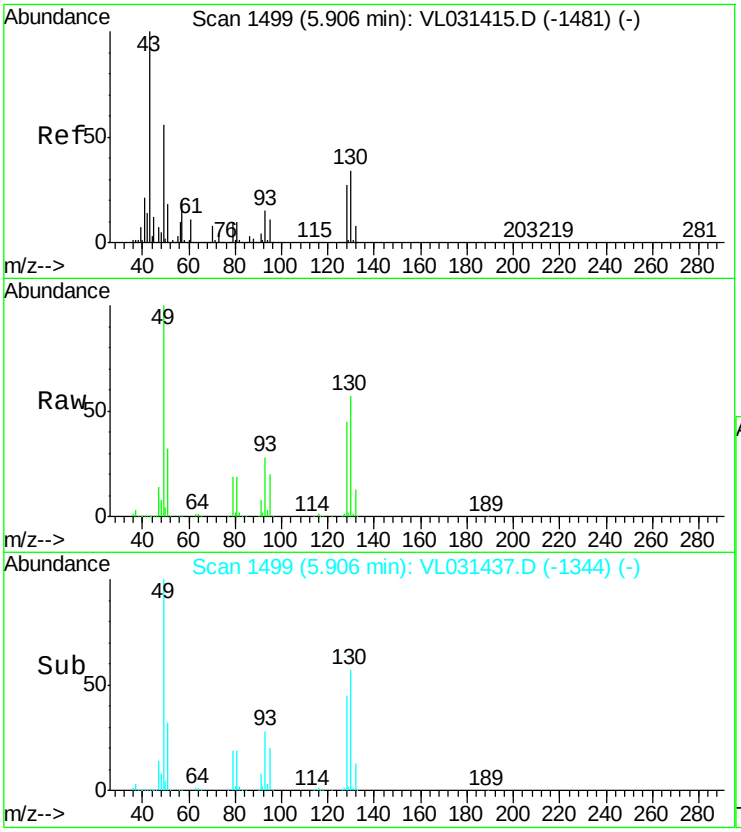
Quantitation Report (Not Reviewed)

Data Path : W:\HPCHEM1\MSVOA_L\DATA\VL012218\
Data File : VL031437.D
Acq On : 23 Jan 2018 4:28
Operator : SY/AP
Sample : J1089-12
Misc : 400ml/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_L
ClientSampleId :
MDL-AIR-5

Quant Time: Jan 23 06:25:13 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



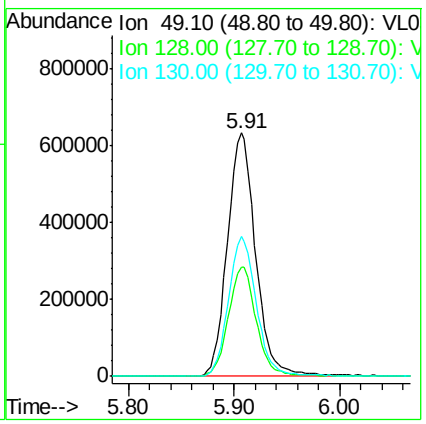


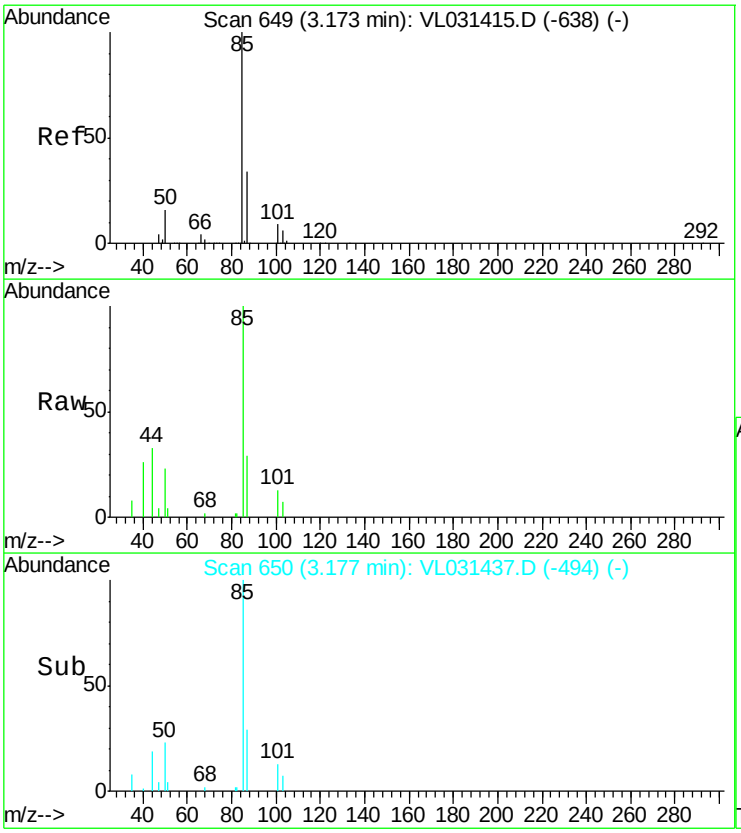
#1
Bromochloromethane
Concen: 10.00 ppbv
RT: 5.91 min Scan# 1499
Delta R.T. -0.00 min
Lab File: VL031437.D
Acq: 23 Jan 2018 4:28

Instrument :
MSVOA_L
ClientSampleId :
MDL-AIR-5

Tgt Ion: 49 Resp: 1172957

Ion	Ratio	Lower	Upper
49	100		
128	45.0	23.5	70.6
130	57.8	29.9	89.7

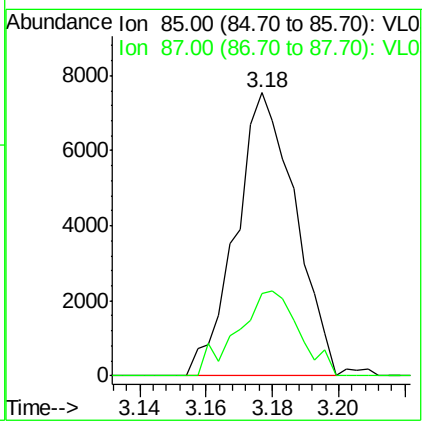


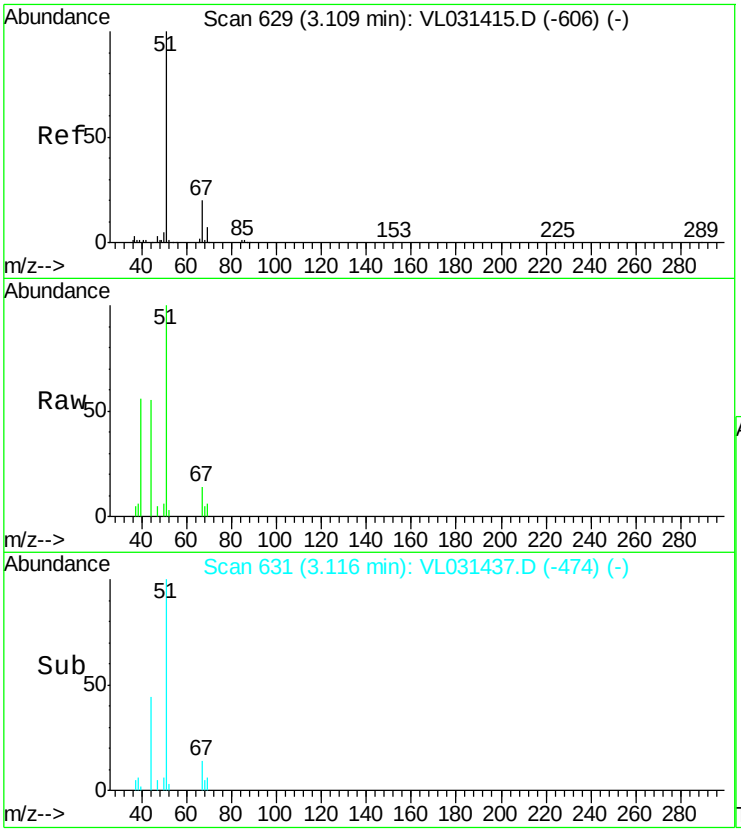


#2
Dichlorodifluoromethane
Concen: 0.06 ppbv
RT: 3.18 min Scan# 650
Delta R.T. 0.00 min
Lab File: VL031437.D
Acq: 23 Jan 2018 4:28

Tgt Ion: 85 Resp: 9399

Ion	Ratio	Lower	Upper
85	100		
87	29.0	27.4	41.0



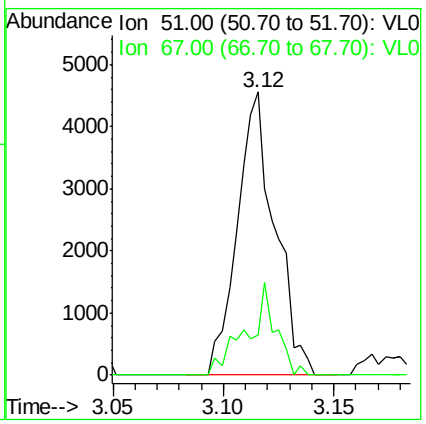


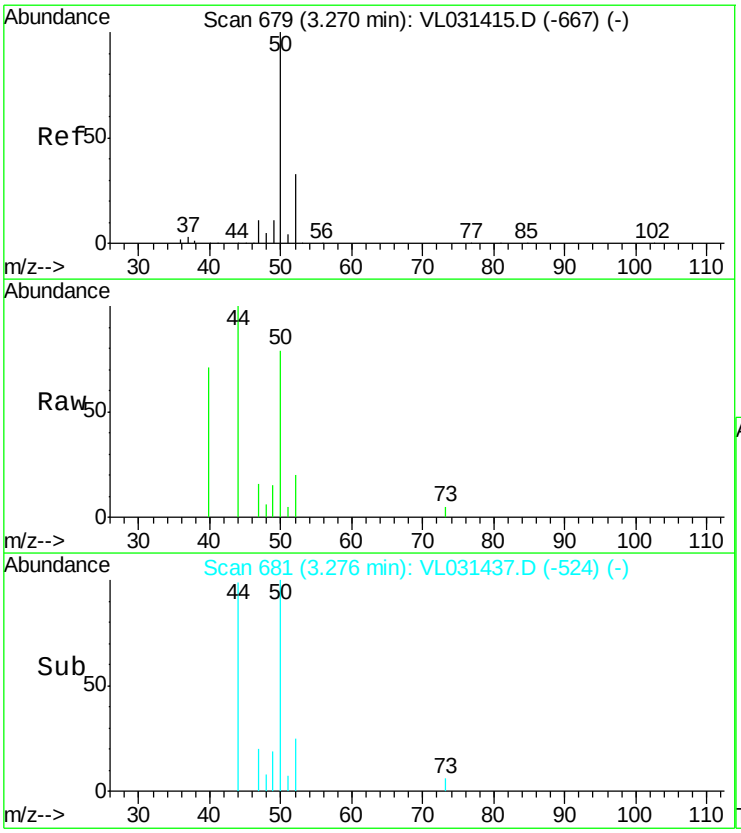
#3
Chlorodifluoromethane
Concen: 0.03 ppbv
RT: 3.12 min Scan# 631
Delta R.T. 0.00 min
Lab File: VL031437.D
Acq: 23 Jan 2018 4:28

Instrument :
MSVOA_L
ClientSampleId :
MDL-AIR-5

Tgt Ion: 51 Resp: 5385

Ion	Ratio	Lower	Upper
51	100		
67	25.4	16.0	24.0#

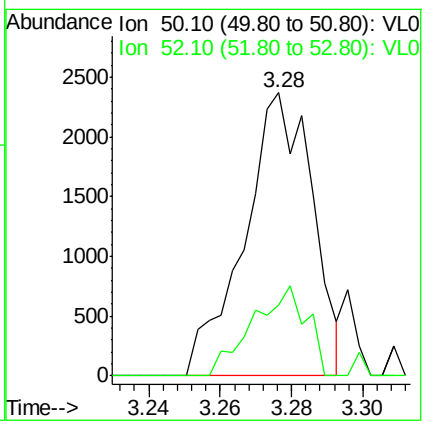


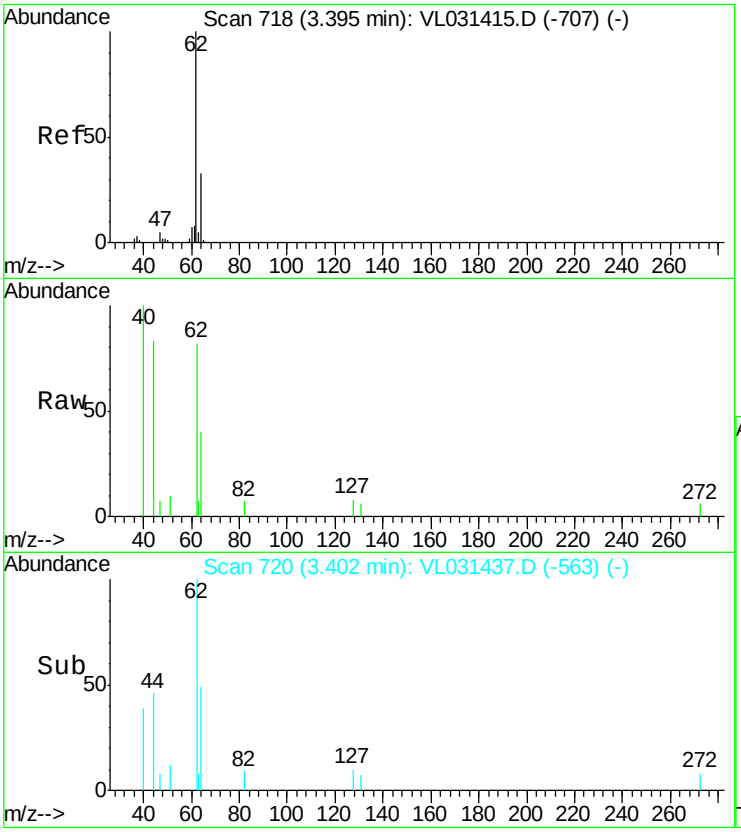


#4
Chloromethane
Concen: 0.05 ppbv
RT: 3.28 min Scan# 681
Delta R.T. 0.00 min
Lab File: VL031437.D
Acq: 23 Jan 2018 4:28

Tgt Ion: 50 Resp: 3125

Ion	Ratio	Lower	Upper
50	100		
52	25.0	26.4	39.6#



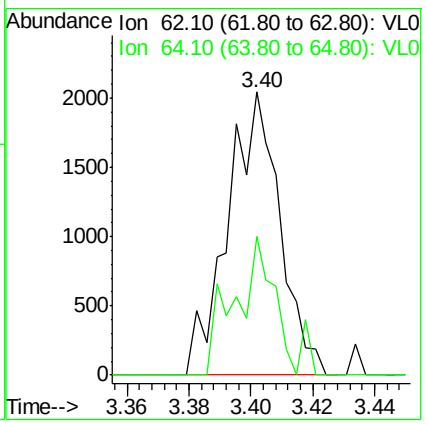


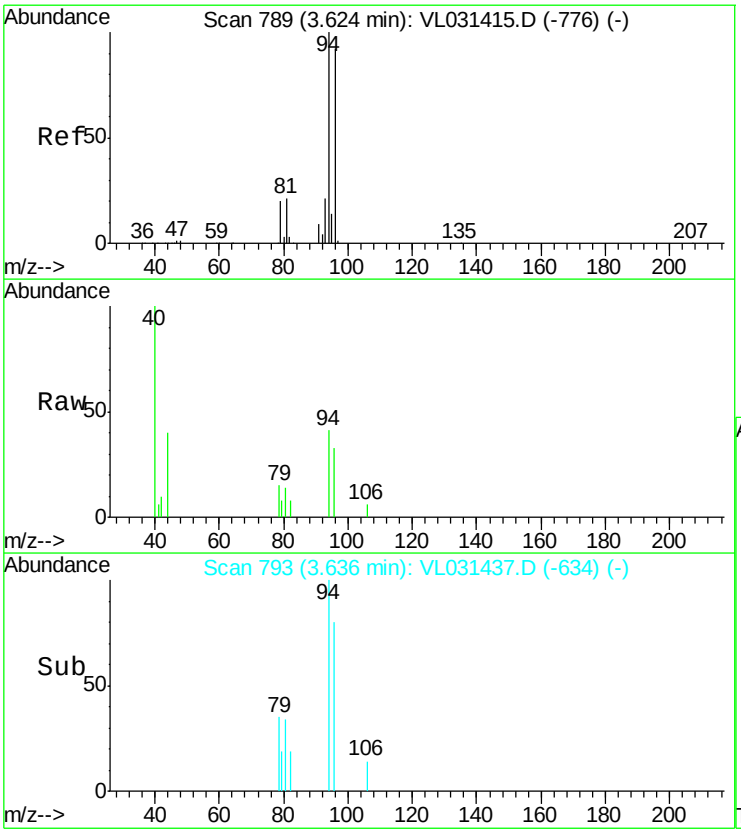
#5
Vinyl Chloride
Concen: 0.04 ppbv
RT: 3.40 min Scan# 720
Delta R.T. 0.00 min
Lab File: VL031437.D
Acq: 23 Jan 2018 4:28

Instrument : MSVOA_L
ClientSampleId : MDL-AIR-5

Tgt Ion: 62 Resp: 2402

Ion	Ratio	Lower	Upper
62	100		
64	48.8	25.4	38.0#

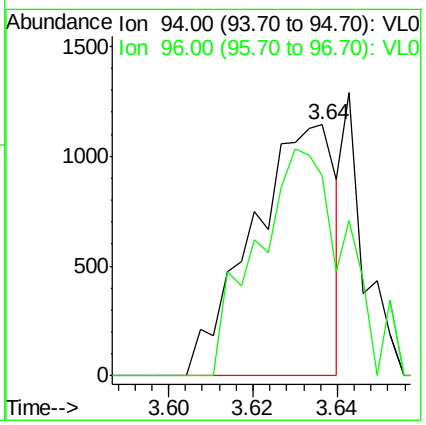


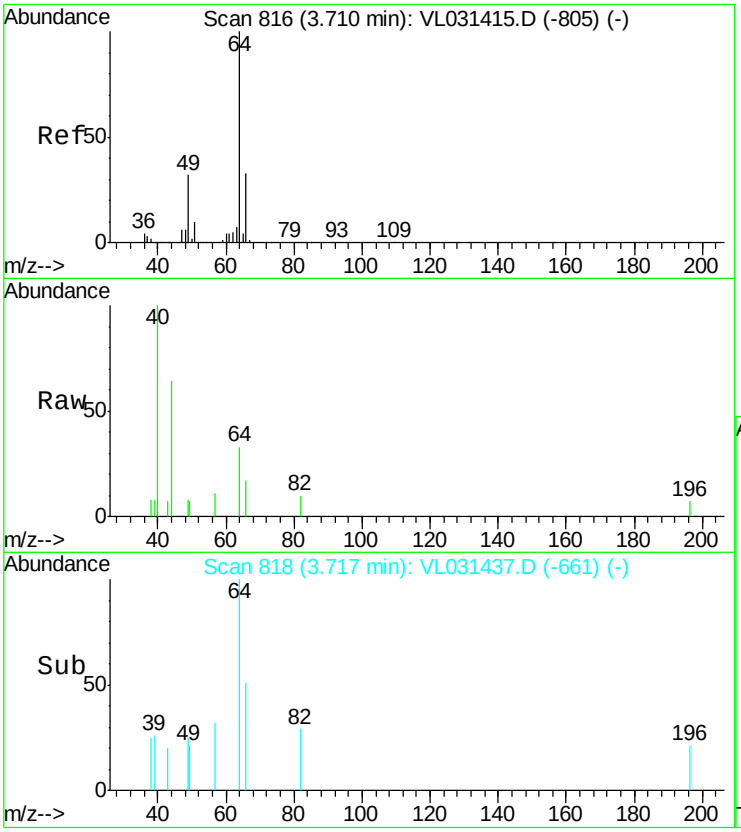


#6
Bromomethane
Concen: 0.03 ppbv
RT: 3.64 min Scan# 793
Delta R.T. 0.01 min
Lab File: VL031437.D
Acq: 23 Jan 2018 4:28

Tgt Ion: 94 Resp: 1560

Ion	Ratio	Lower	Upper
94	100		
96	79.9	75.1	112.7



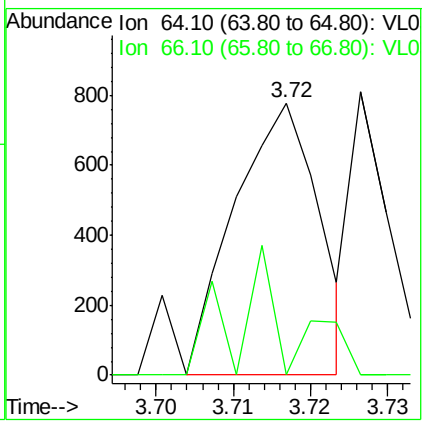


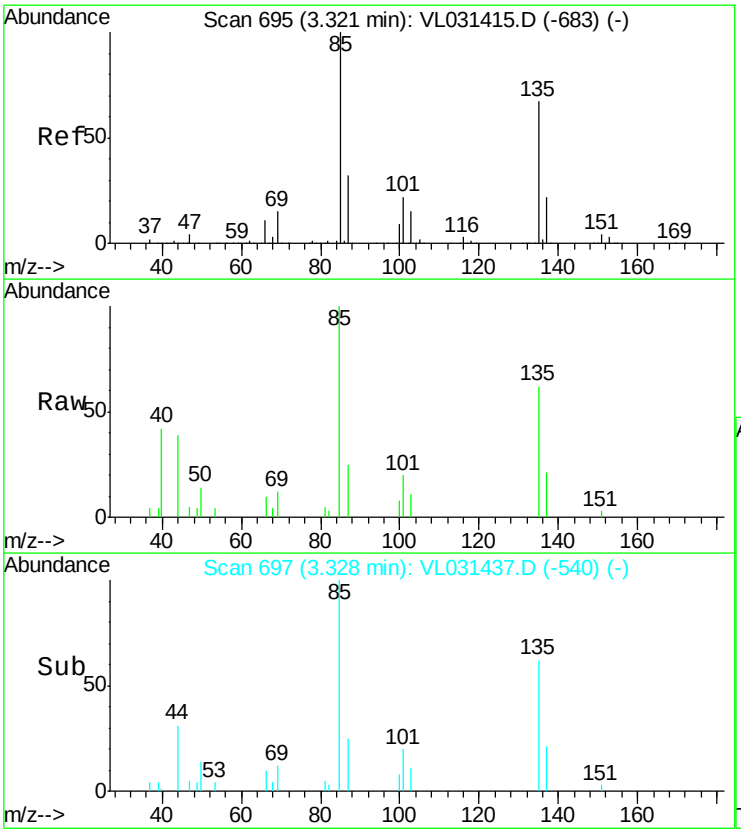
#7
Chloroethane
Concen: 0.02 ppbv
RT: 3.72 min Scan# 818
Delta R.T. 0.00 min
Lab File: VL031437.D
Acq: 23 Jan 2018 4:28

Instrument : MSVOA_L
ClientSampleId : MDL-AIR-5

Tgt Ion: 64 Resp: 593

Ion	Ratio	Lower	Upper
64	100		
66	0.0	26.3	39.5#

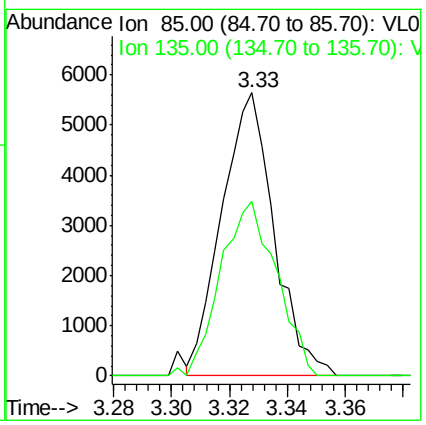


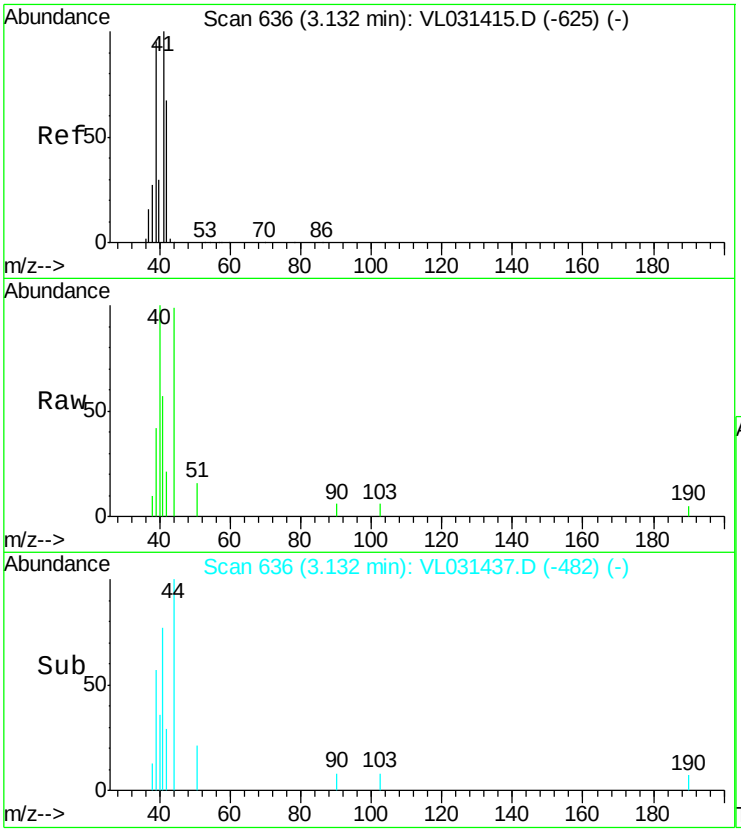


#8
Dichlorotetrafluoroethane
Concen: 0.04 ppbv
RT: 3.33 min Scan# 697
Delta R.T. 0.00 min
Lab File: VL031437.D
Acq: 23 Jan 2018 4:28

Tgt Ion: 85 Resp: 7058

Ion	Ratio	Lower	Upper
85	100		
135	65.9	53.3	79.9



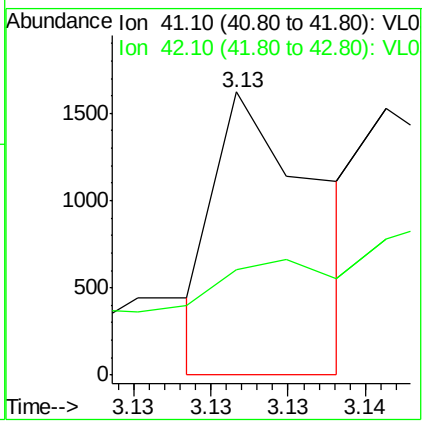


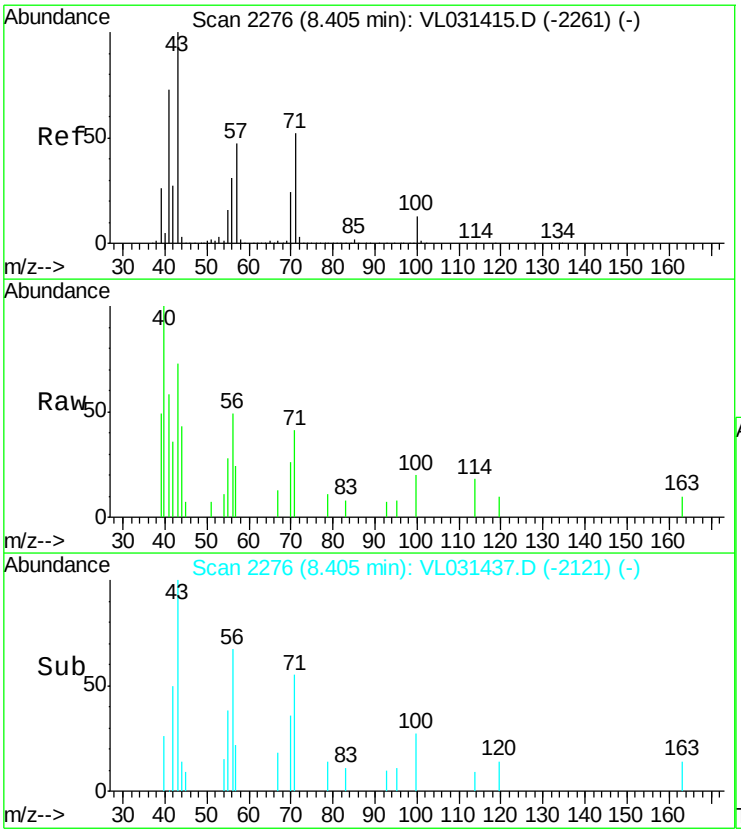
#9
Propene
Concen: 0.01 ppbv
RT: 3.13 min Scan# 636
Delta R.T. -0.01 min
Lab File: VL031437.D
Acq: 23 Jan 2018 4:28

Instrument :
MSVOA_L
ClientSampleId :
MDL-AIR-5

Tgt Ion: 41 Resp: 748

Ion	Ratio	Lower	Upper
41	100		
42	0.0	54.6	82.0#

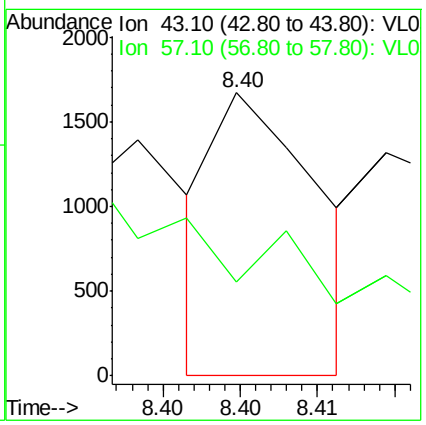


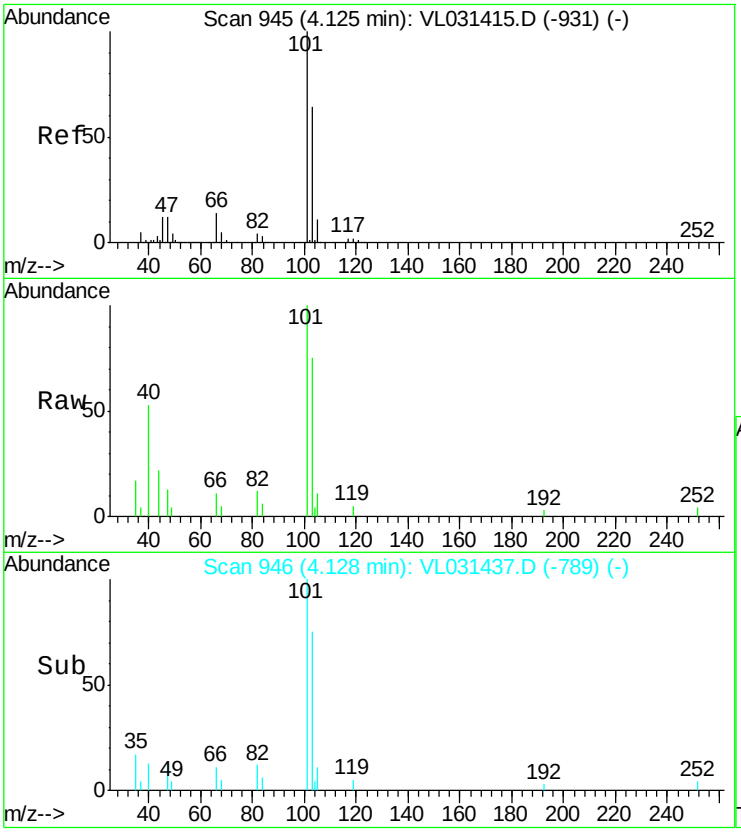


#10
Heptane
Concen: 0.00 ppbv
RT: 8.40 min Scan# 2276
Delta R.T. -0.00 min
Lab File: VL031437.D
Acq: 23 Jan 2018 4:28

Tgt Ion: 43 Resp: 775

Ion	Ratio	Lower	Upper
43	100		
57	0.0	39.7	59.5#



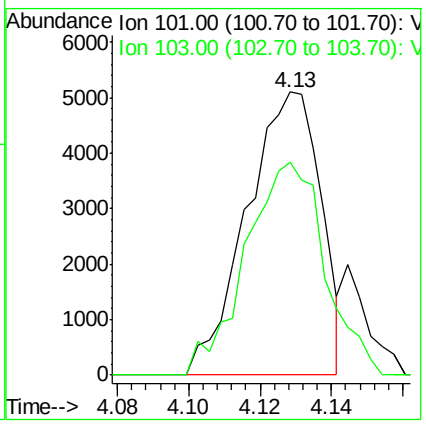


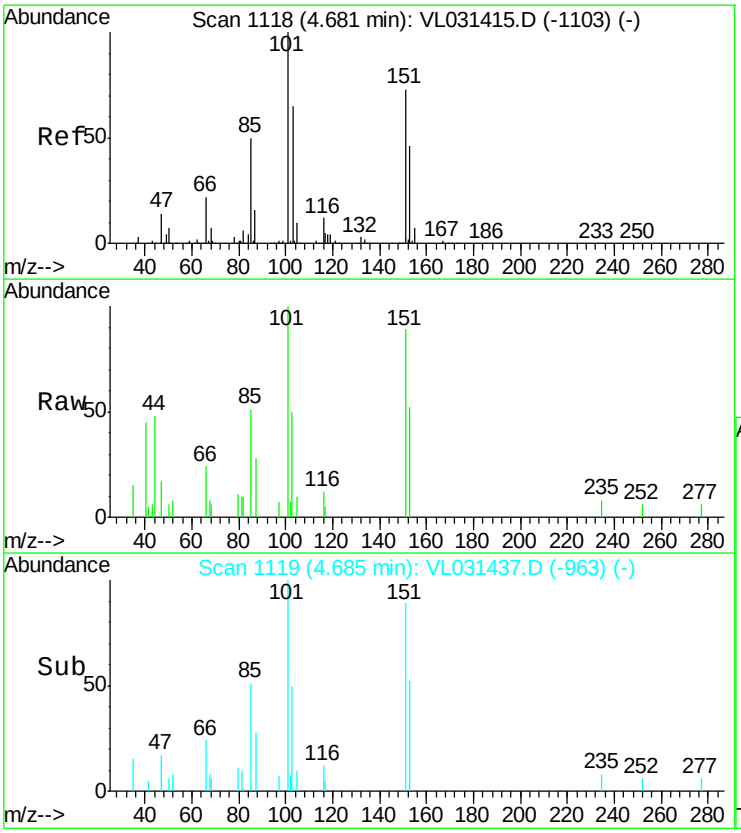
#11
Trichlorofluoromethane
Concen: 0.03 ppbv
RT: 4.13 min Scan# 946
Delta R.T. 0.00 min
Lab File: VL031437.D
Acq: 23 Jan 2018 4:28

Instrument :
MSVOA_L
ClientSampleId :
MDL-AIR-5

Tgt Ion:101 Resp: 7332

Ion	Ratio	Lower	Upper
101	100		
103	75.0	53.1	79.7

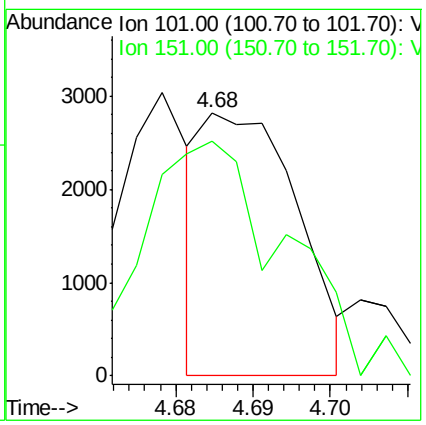


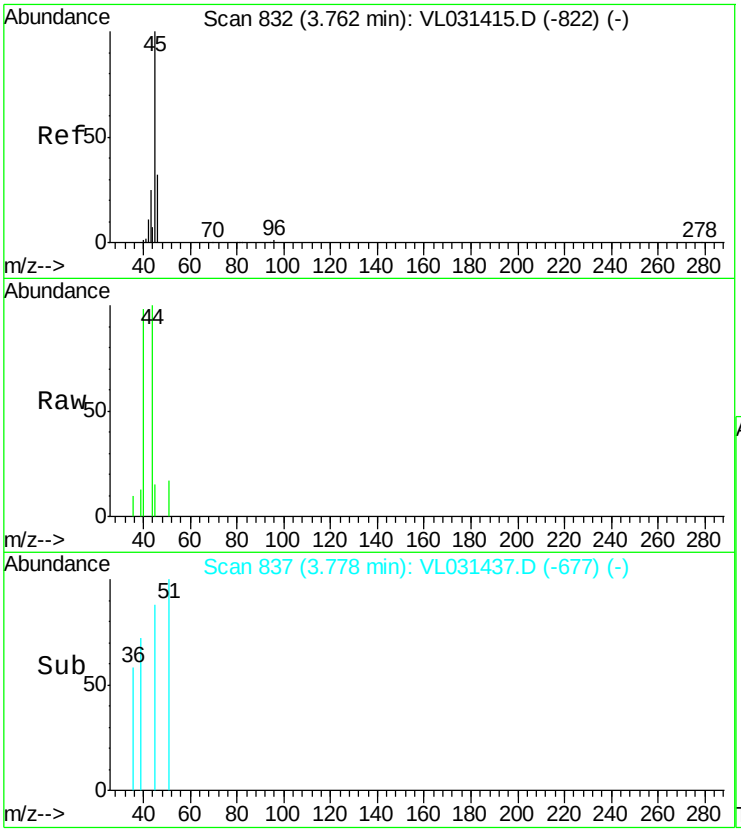


#12
1,1,2-Trichlorotrifluoroethane
Concen: 0.02 ppbv
RT: 4.68 min Scan# 1119
Delta R.T. 0.00 min
Lab File: VL031437.D
Acq: 23 Jan 2018 4:28

Tgt Ion:101 Resp: 2405

Ion	Ratio	Lower	Upper
101	100		
151	147.1	58.1	87.1#



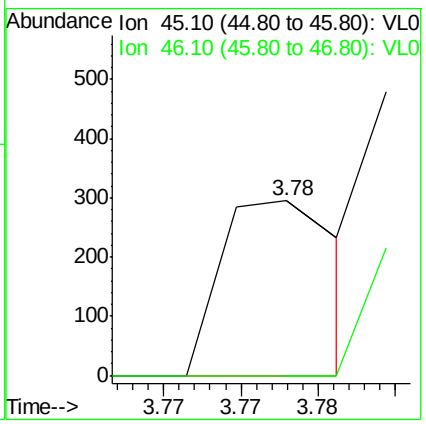


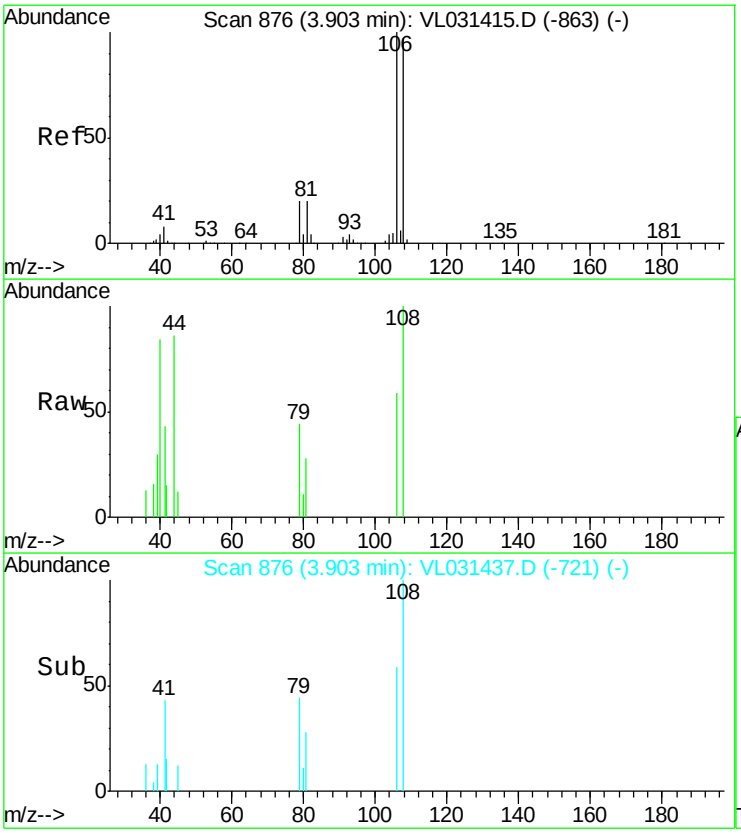
#13
Ethanol
Concen: 0.01 ppbv
RT: 3.78 min Scan# 837
Delta R.T. 0.01 min
Lab File: VL031437.D
Acq: 23 Jan 2018 4:28

Instrument : MSVOA_L
ClientSampleId : MDL-AIR-5

Tgt Ion: 45 Resp: 157

Ion	Ratio	Lower	Upper
45	100		
46	0.0	14.9	59.5#

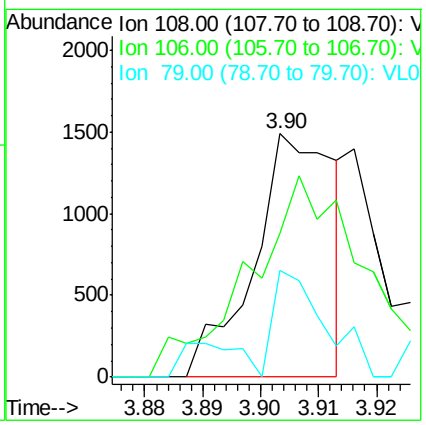


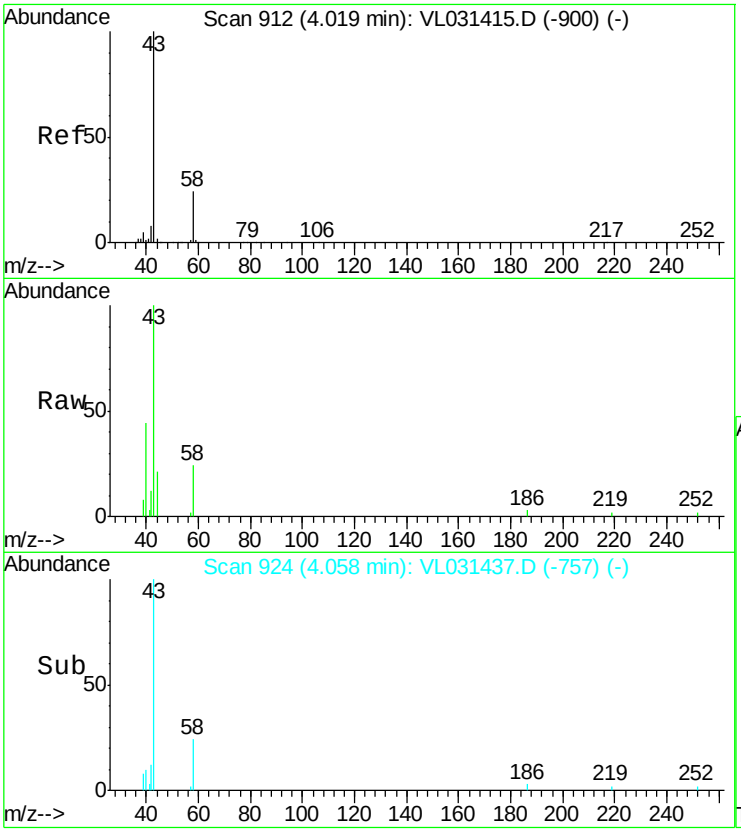


#14
Bromoethene
Concen: 0.03 ppbv
RT: 3.90 min Scan# 876
Delta R.T. -0.00 min
Lab File: VL031437.D
Acq: 23 Jan 2018 4:28

Tgt Ion:108 Resp: 1435

Ion	Ratio	Lower	Upper
108	100		
106	115.1	85.3	127.9
79	41.6	16.8	25.2#



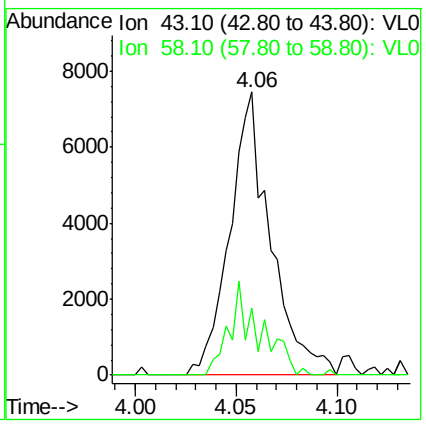


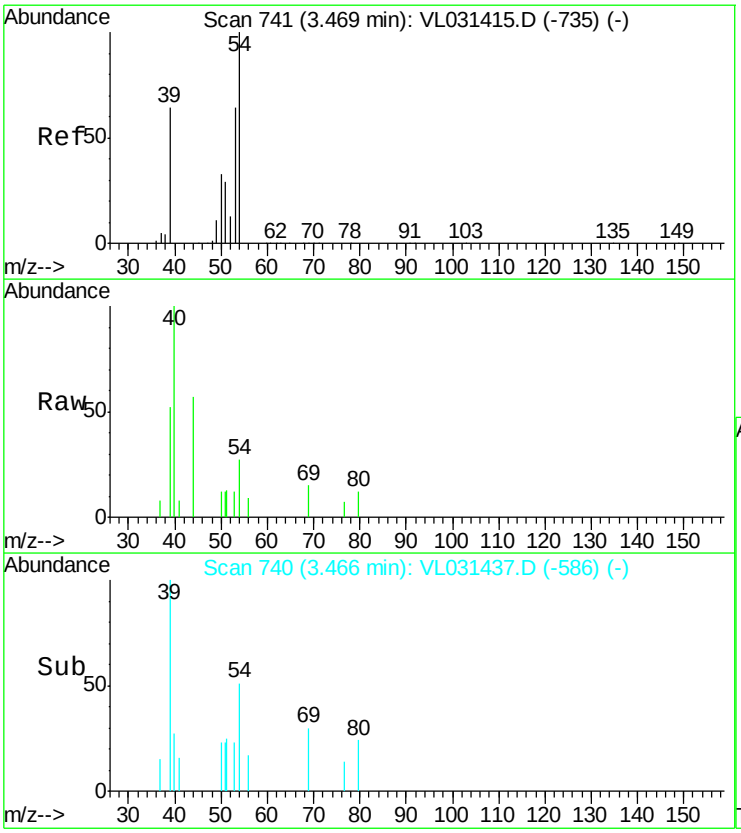
#15
Acetone
Concen: 0.07 ppbv
RT: 4.06 min Scan# 924
Delta R.T. 0.04 min
Lab File: VL031437.D
Acq: 23 Jan 2018 4:28

Instrument : MSVOA_L
ClientSampleId : MDL-AIR-5

Tgt Ion: 43 Resp: 10554

Ion	Ratio	Lower	Upper
43	100		
58	24.5	19.4	29.2

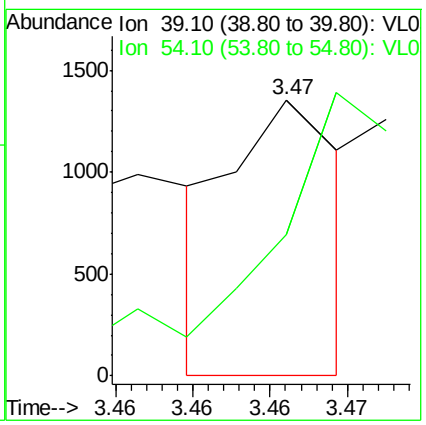


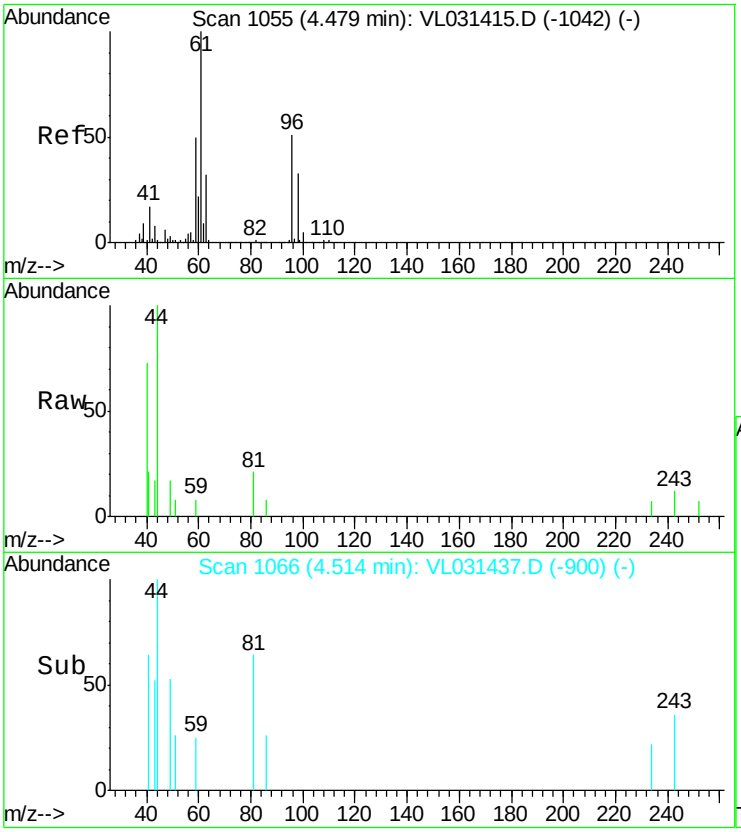


#16
1,3-Butadiene
Concen: 0.01 ppbv
RT: 3.47 min Scan# 740
Delta R.T. -0.01 min
Lab File: VL031437.D
Acq: 23 Jan 2018 4:28

Tgt Ion: 39 Resp: 669

Ion	Ratio	Lower	Upper
39	100		
54	258.1	67.0	100.6#



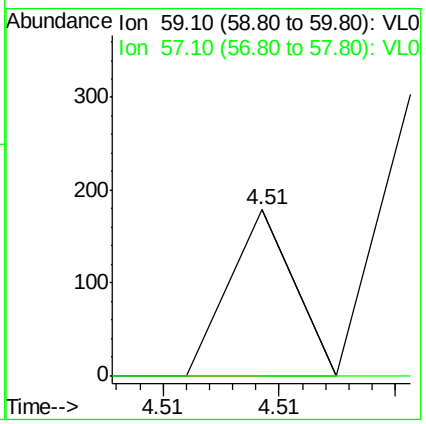


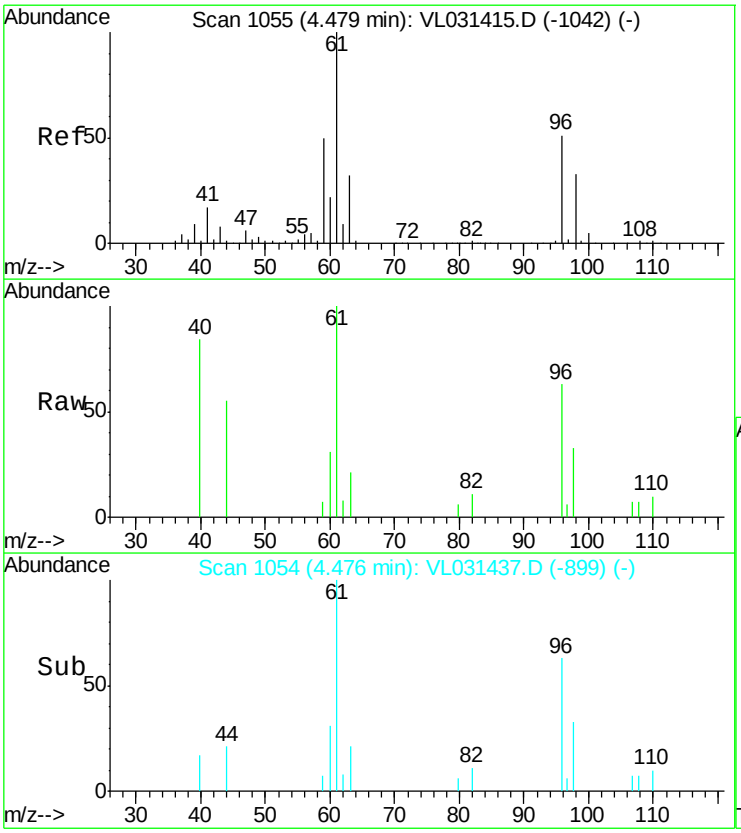
#17
tert-Butyl alcohol
Concen: 0.00 ppbv
RT: 4.51 min Scan# 1066
Delta R.T. 0.03 min
Lab File: VL031437.D
Acq: 23 Jan 2018 4:28

Instrument :
MSVOA_L
ClientSampleId :
MDL-AIR-5

Tgt Ion: 59 Resp: 34

Ion	Ratio	Lower	Upper
59	100		
57	0.0	8.6	13.0#

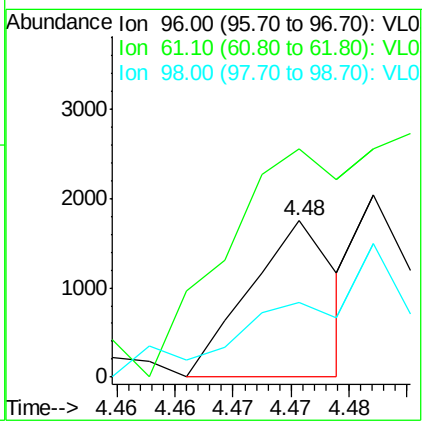


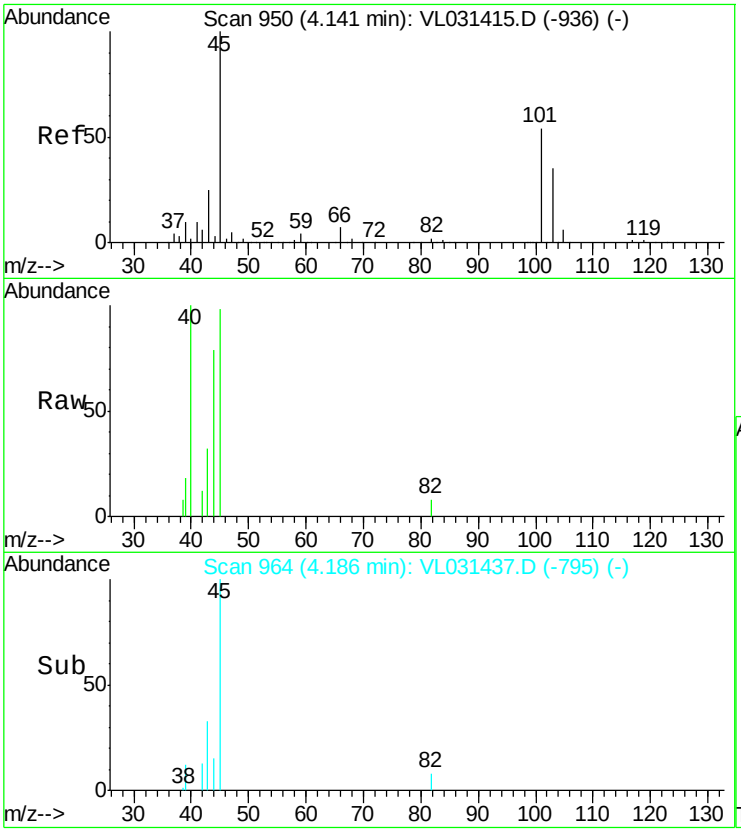


#18
1,1-Dichloroethene
Concen: 0.02 ppbv
RT: 4.48 min Scan# 1054
Delta R.T. -0.00 min
Lab File: VL031437.D
Acq: 23 Jan 2018 4:28

Tgt Ion: 96 Resp: 909

Ion	Ratio	Lower	Upper
96	100		
61	91.1	161.6	242.4#
98	36.4	49.6	74.4#



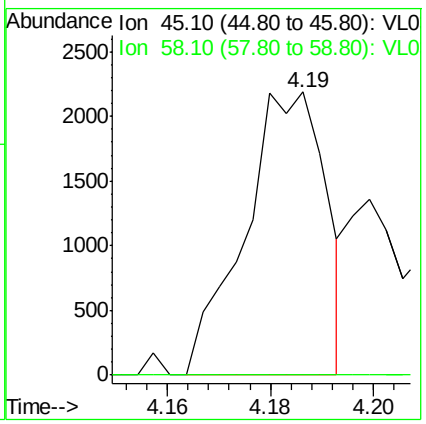


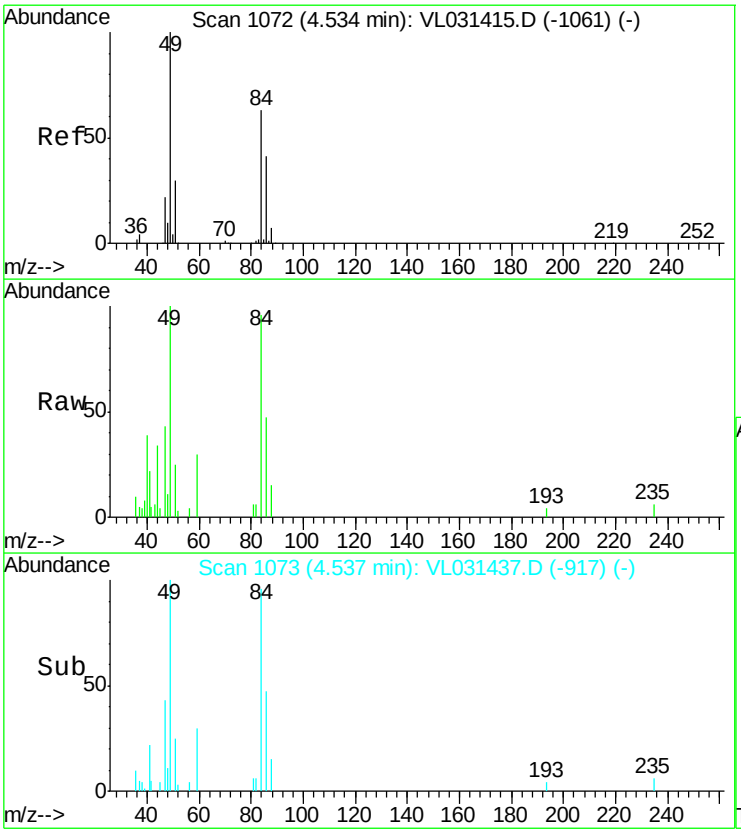
#19
Isopropyl Alcohol
Concen: 0.02 ppbv
RT: 4.19 min Scan# 964
Delta R.T. 0.04 min
Lab File: VL031437.D
Acq: 23 Jan 2018 4:28

Instrument : MSVOA_L
ClientSampleId : MDL-AIR-5

Tgt Ion: 45 Resp: 2398

Ion	Ratio	Lower	Upper
45	100		
58	109.3	1.0	1.4#

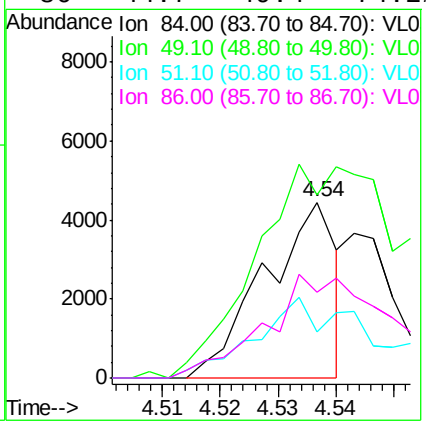


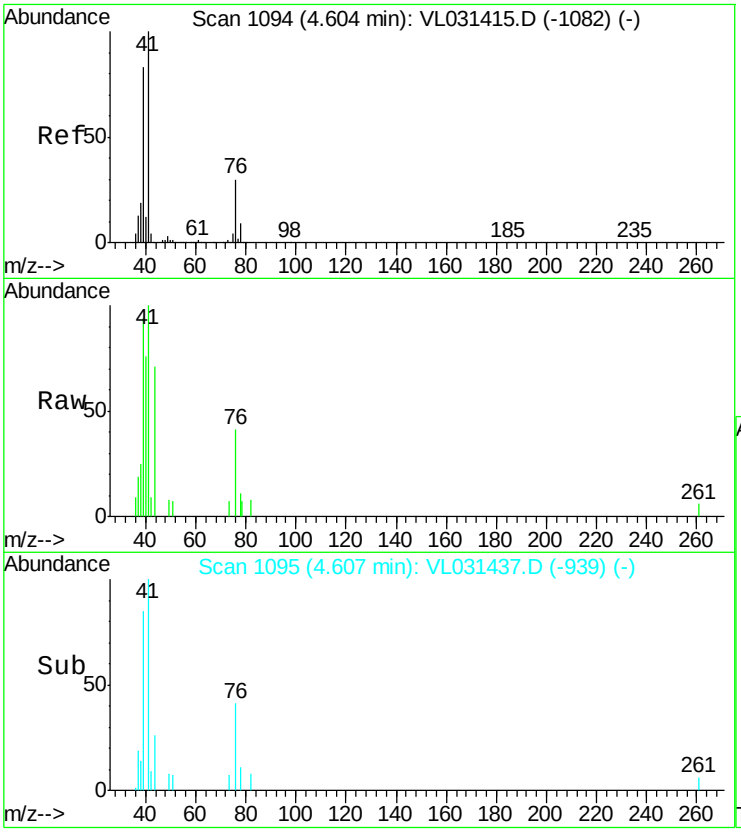


#20
Methylene Chloride
Concen: 0.06 ppbv
RT: 4.54 min Scan# 1073
Delta R.T. 0.00 min
Lab File: VL031437.D
Acq: 23 Jan 2018 4:28

Tgt Ion: 84 Resp: 3825

Ion	Ratio	Lower	Upper
84	100		
49	94.9	123.4	185.0#
51	22.0	35.6	53.4#
86	44.7	49.4	74.2#



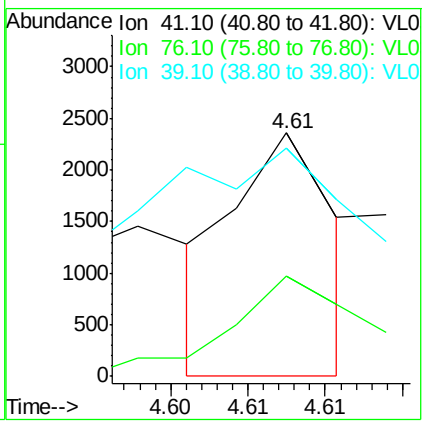


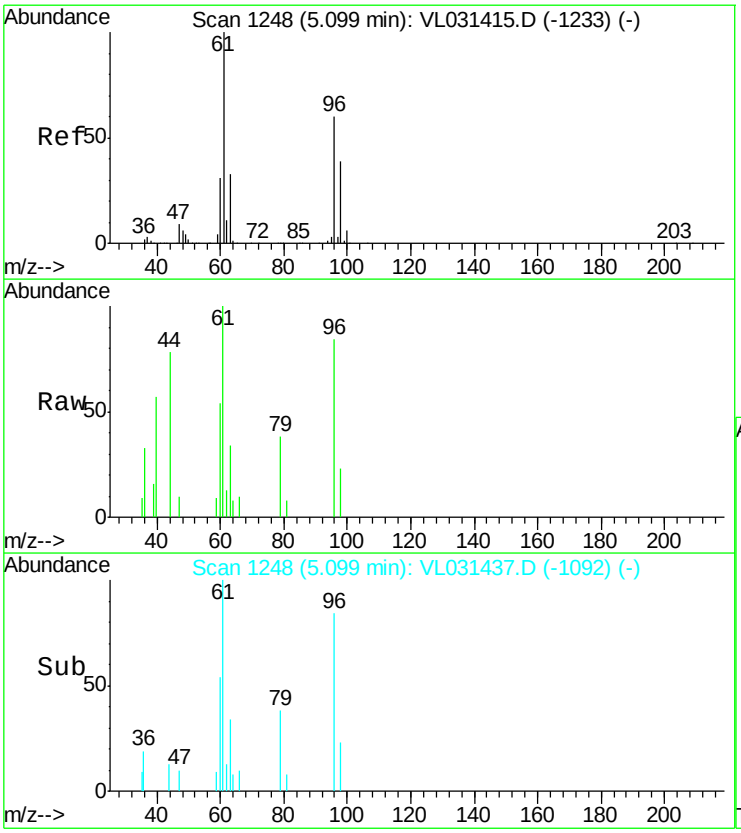
#21
Allyl Chloride
Concen: 0.01 ppbv
RT: 4.61 min Scan# 1095
Delta R.T. 0.00 min
Lab File: VL031437.D
Acq: 23 Jan 2018 4:28

Instrument :
MSVOA_L
ClientSampleId :
MDL-AIR-5

Tgt Ion: 41 Resp: 1065

Ion	Ratio	Lower	Upper
41	100		
76	79.5	24.2	36.2#
39	311.7	69.8	104.8#

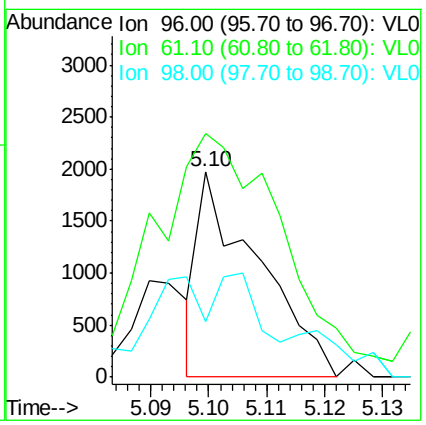


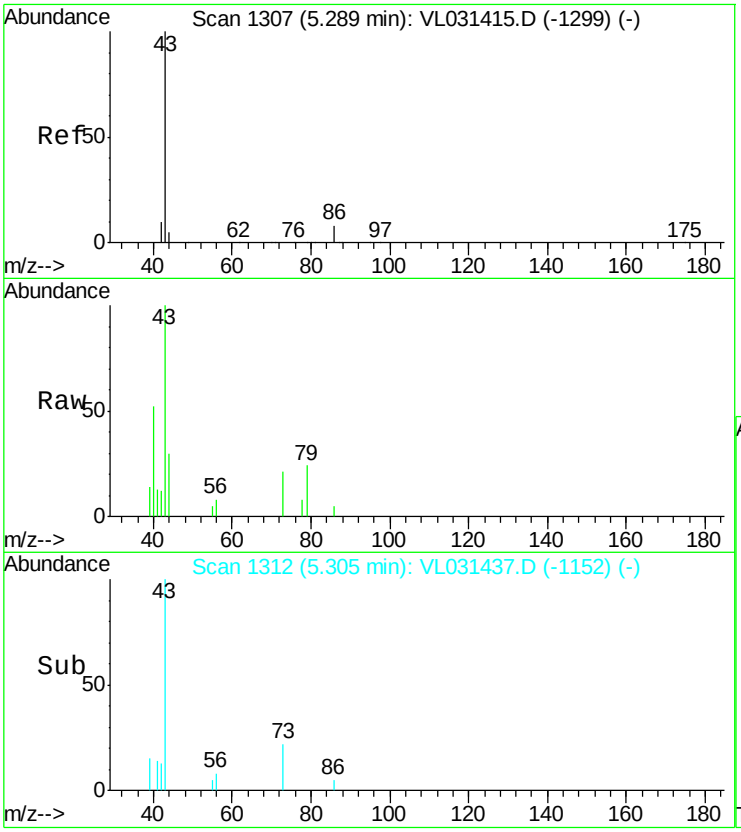


#22
trans-1,2-Dichloroethene
Concen: 0.02 ppbv
RT: 5.10 min Scan# 1248
Delta R.T. 0.00 min
Lab File: VL031437.D
Acq: 23 Jan 2018 4:28

Tgt Ion: 96 Resp: 1430

Ion	Ratio	Lower	Upper
96	100		
61	94.8	135.0	202.4#
98	11.5	52.2	78.2#



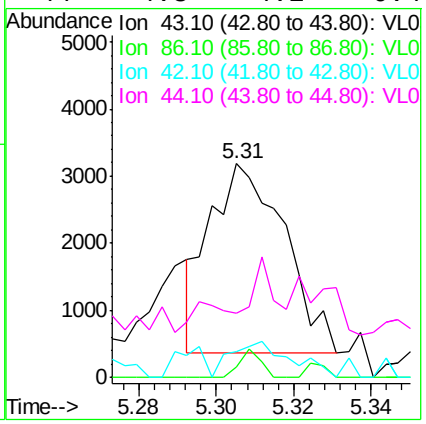


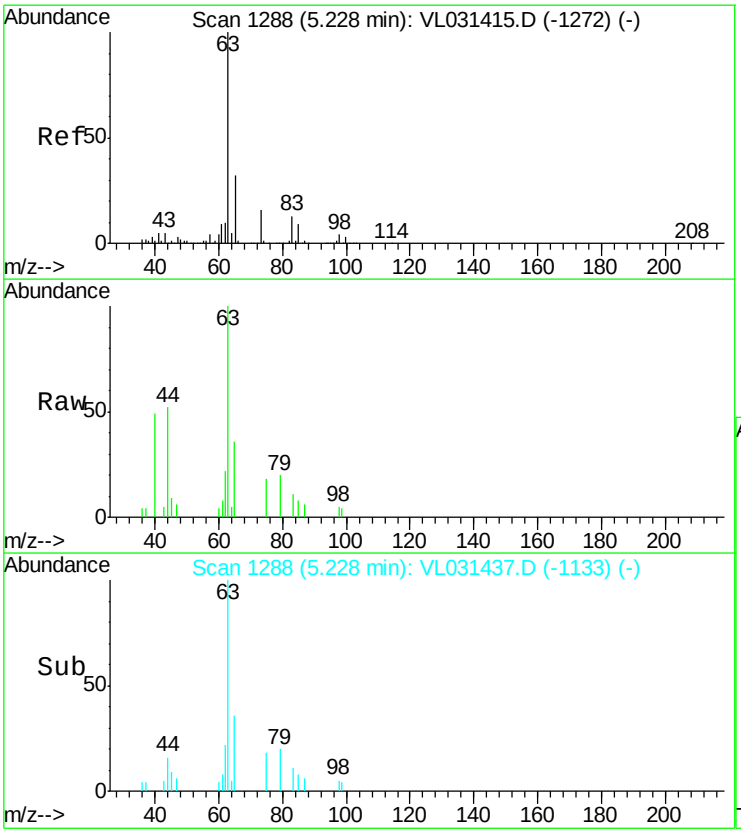
#23
Vinyl Acetate
Concen: 0.02 ppbv
RT: 5.31 min Scan# 1312
Delta R.T. 0.01 min
Lab File: VL031437.D
Acq: 23 Jan 2018 4:28

Instrument : MSVOA_L
ClientSampleId : MDL-AIR-5

Tgt Ion: 43 Resp: 3807

Ion	Ratio	Lower	Upper
43	100		
86	5.4	5.6	8.4#
42	13.7	8.6	12.8#
44	4.3	4.2	6.4

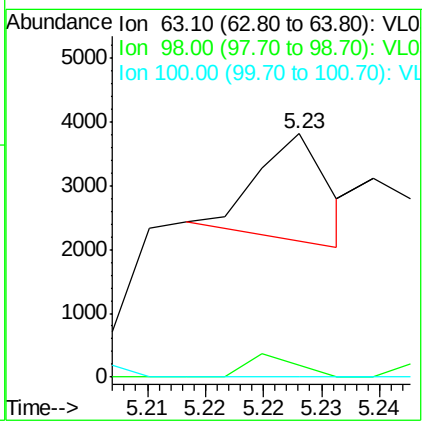


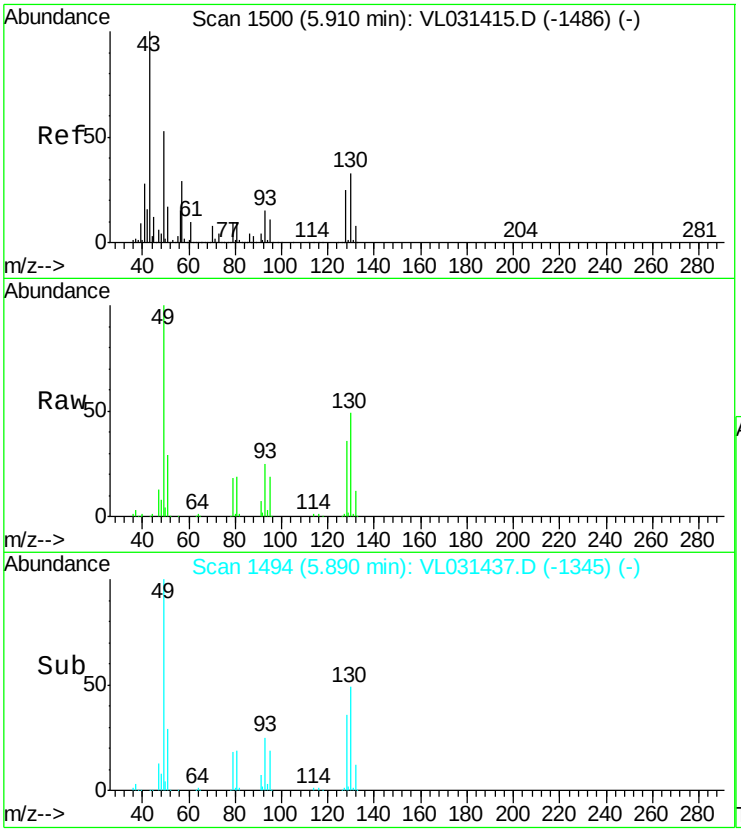


#24
1,1-Dichloroethane
Concen: 0.00 ppbv
RT: 5.23 min Scan# 1288
Delta R.T. -0.00 min
Lab File: VL031437.D
Acq: 23 Jan 2018 4:28

Tgt Ion: 63 Resp: 669

Ion	Ratio	Lower	Upper
63	100		
98	25.9	2.4	7.1#
100	0.0	1.3	3.9#



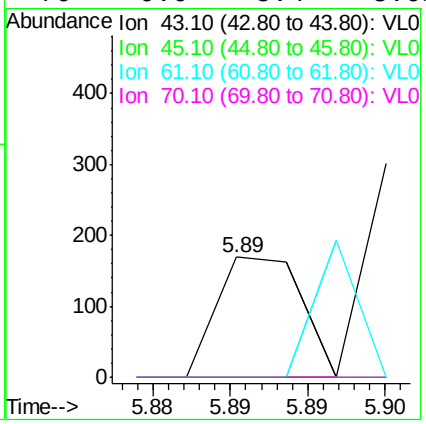


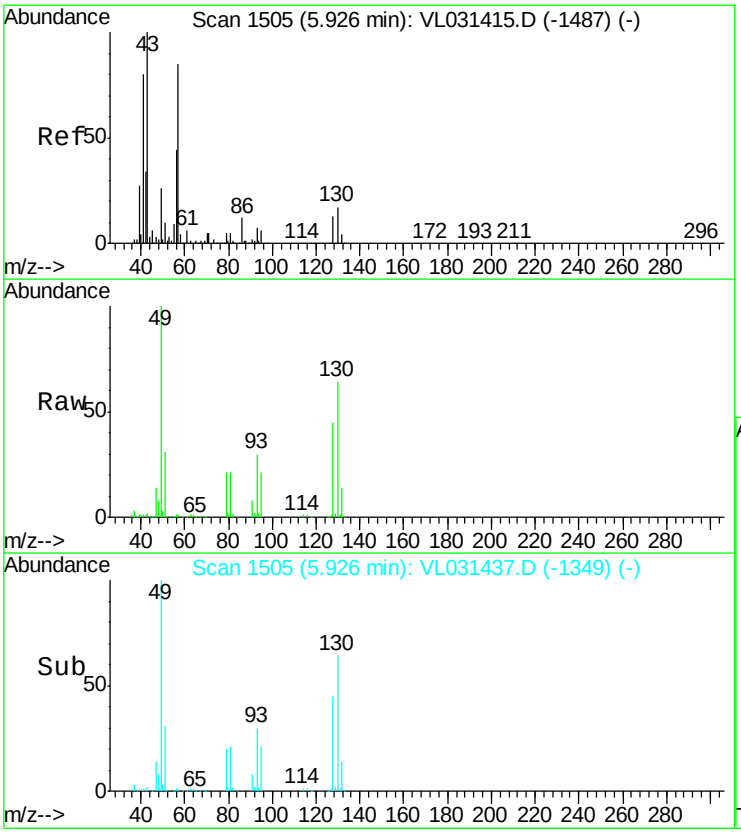
#25
Ethyl Acetate
Concen: 0.00 ppbv
RT: 5.89 min Scan# 1494
Delta R.T. -0.02 min
Lab File: VL031437.D
Acq: 23 Jan 2018 4:28

Instrument : MSVOA_L
ClientSampleId : MDL-AIR-5

Tgt Ion: 43 Resp: 64

Ion	Ratio	Lower	Upper
43	100		
45	0.0	7.8	11.6#
61	0.0	7.0	10.6#
70	0.0	5.4	8.0#

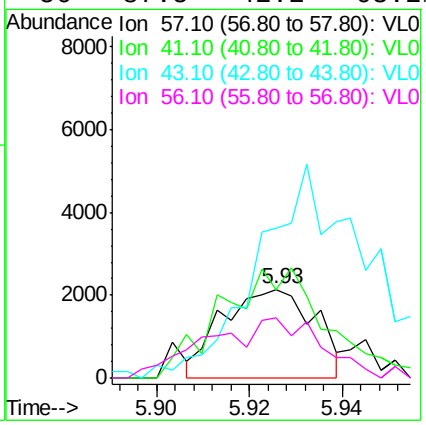


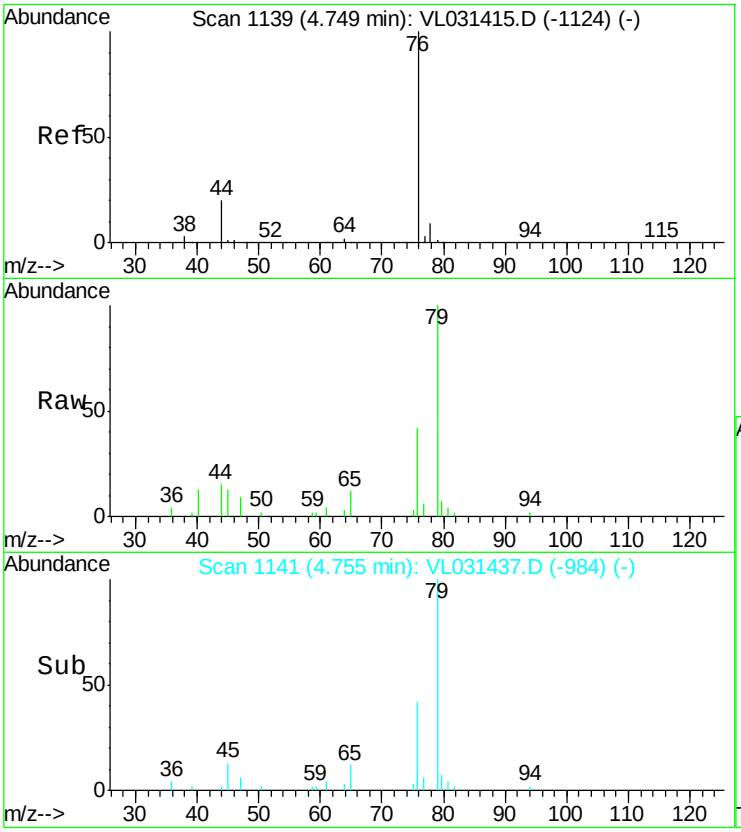


#26
Hexane
Concen: 0.02 ppbv
RT: 5.93 min Scan# 1505
Delta R.T. 0.00 min
Lab File: VL031437.D
Acq: 23 Jan 2018 4:28

Tgt Ion: 57 Resp: 2966

Ion	Ratio	Lower	Upper
57	100		
41	143.3	77.1	115.7#
43	293.1	180.7	271.1#
56	87.5	42.2	63.2#



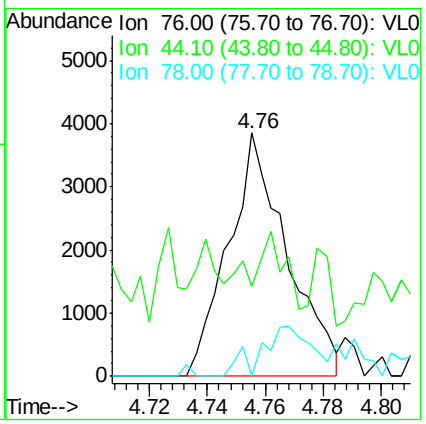


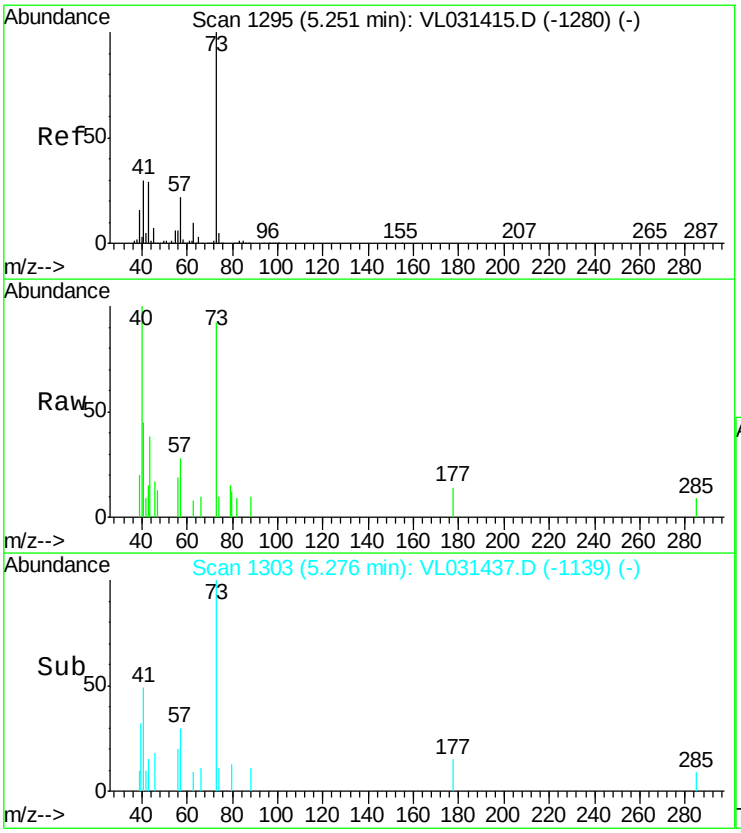
#27
Carbon Disulfide
Concen: 0.03 ppbv
RT: 4.76 min Scan# 1141
Delta R.T. 0.00 min
Lab File: VL031437.D
Acq: 23 Jan 2018 4:28

Instrument : MSVOA_L
ClientSampleId : MDL-AIR-5

Tgt Ion: 76 Resp: 5412

Ion	Ratio	Lower	Upper
76	100		
44	25.2	16.7	25.1#
78	29.9	7.5	11.3#

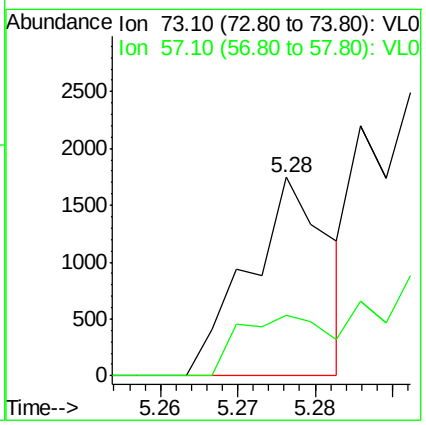


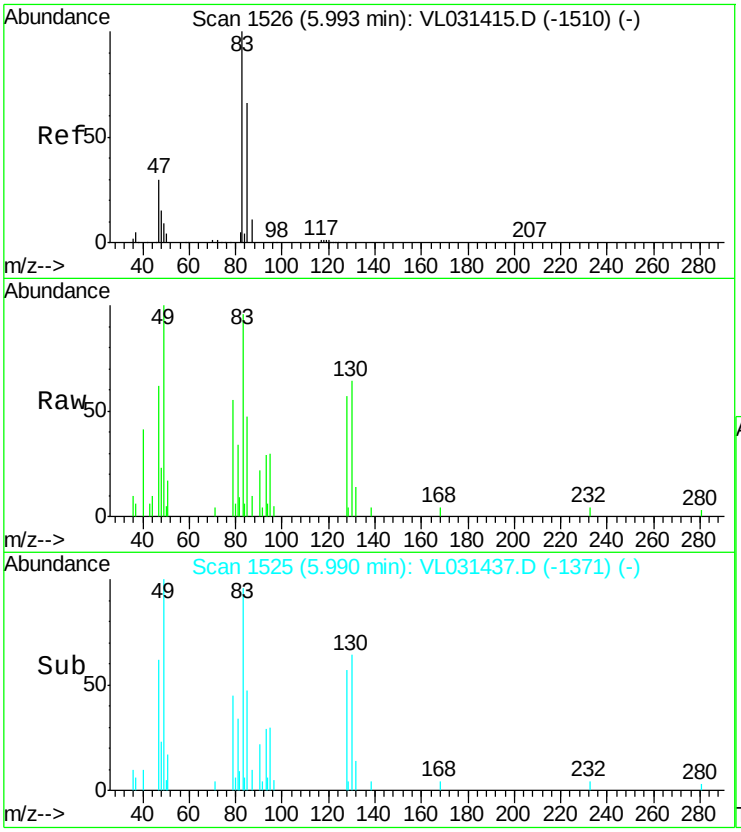


#28
Methyl tert-Butyl Ether
Concen: 0.01 ppbv
RT: 5.28 min Scan# 1303
Delta R.T. 0.03 min
Lab File: VL031437.D
Acq: 23 Jan 2018 4:28

Tgt Ion: 73 Resp: 1250

Ion	Ratio	Lower	Upper
73	100		
57	0.0	17.5	26.3#



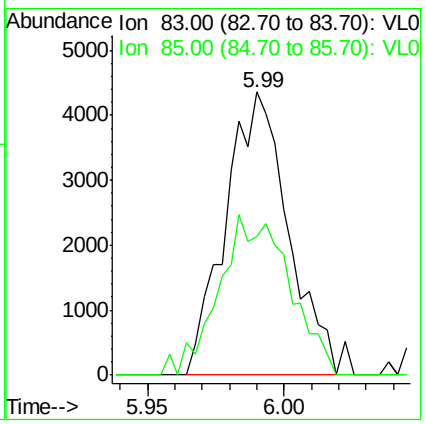


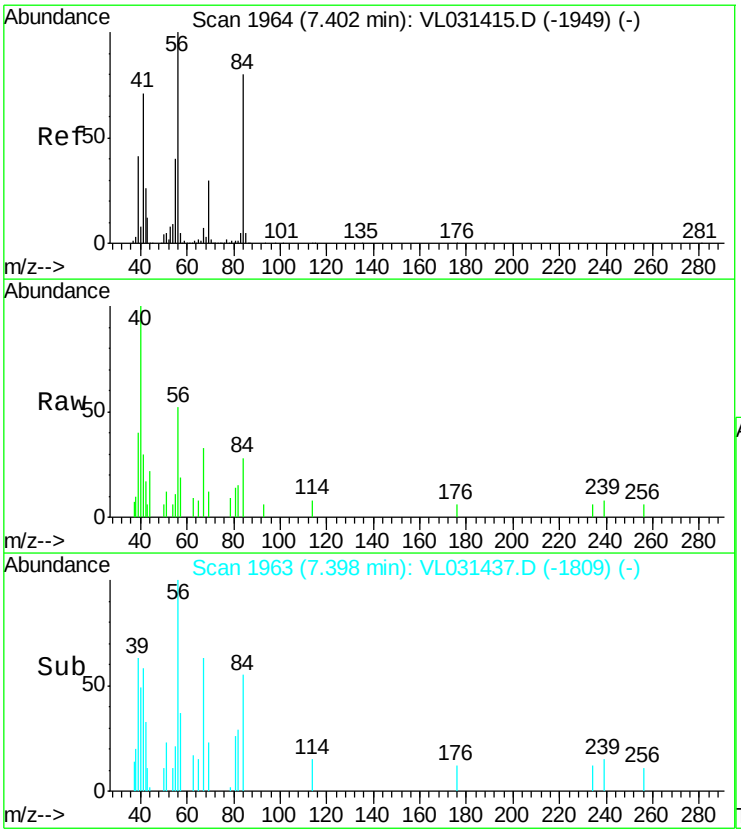
#29
Chloroform
Concen: 0.03 ppbv
RT: 5.99 min Scan# 1525
Delta R.T. -0.01 min
Lab File: VL031437.D
Acq: 23 Jan 2018 4:28

Instrument : MSVOA_L
ClientSampleId : MDL-AIR-5

Tgt Ion: 83 Resp: 6948

Ion	Ratio	Lower	Upper
83	100		
85	49.2	51.3	76.9#

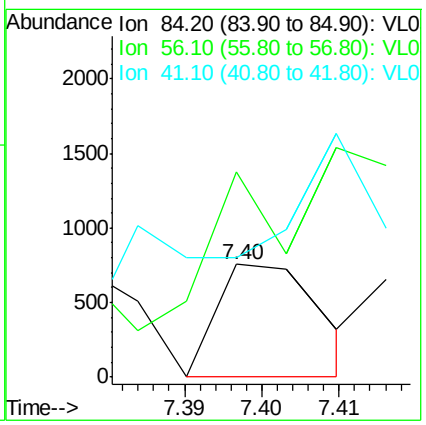


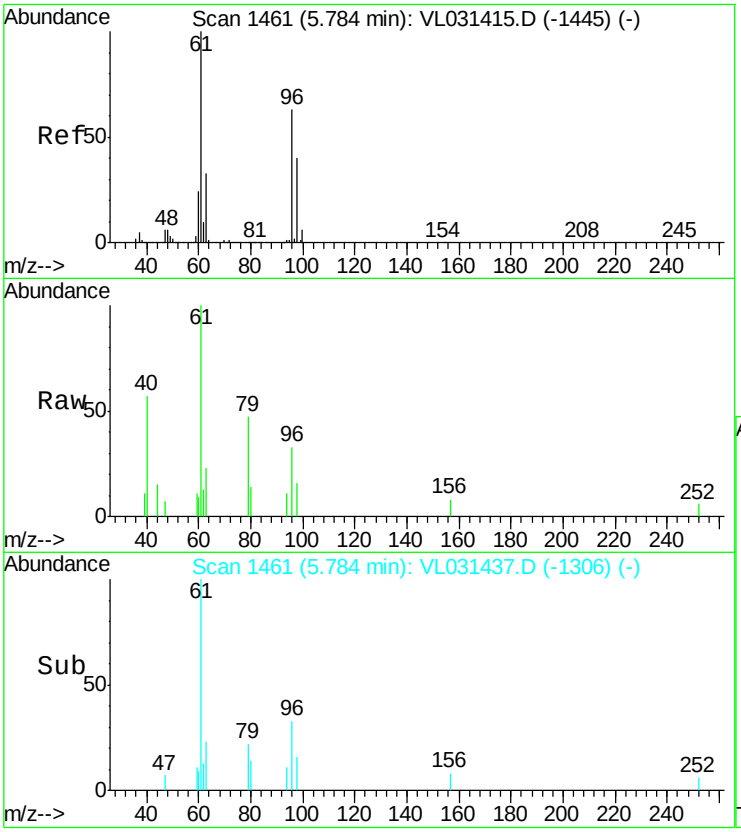


#30
Cyclohexane
Concen: 0.00 ppbv
RT: 7.40 min Scan# 1963
Delta R.T. -0.01 min
Lab File: VL031437.D
Acq: 23 Jan 2018 4:28

Tgt Ion: 84 Resp: 348

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



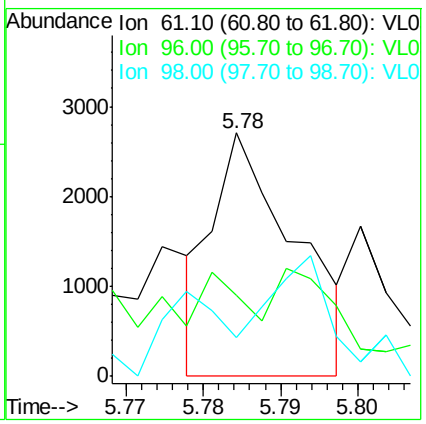


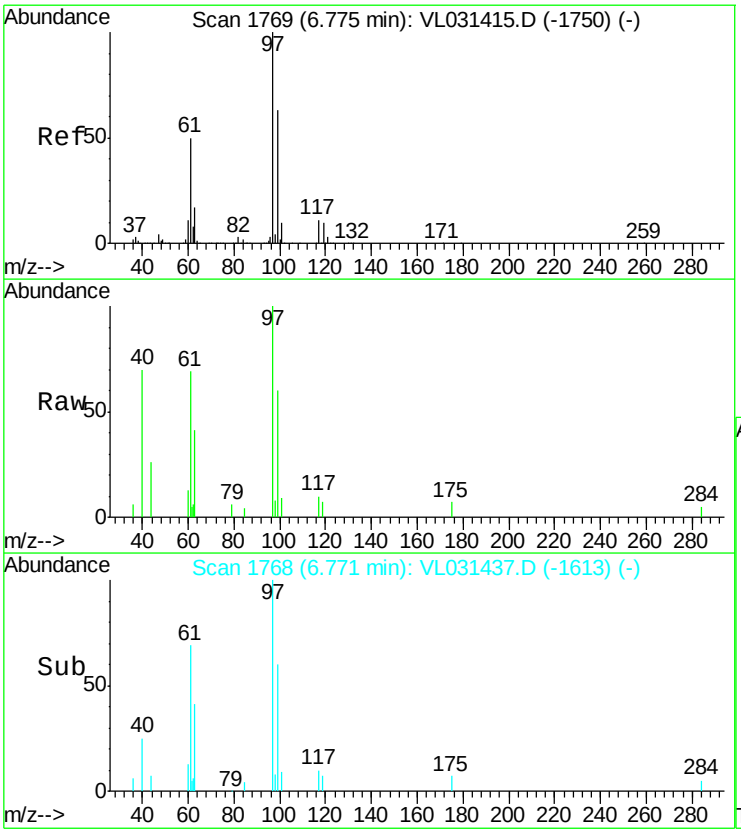
#31
cis-1,2-Dichloroethene
Concen: 0.02 ppbv
RT: 5.78 min Scan# 1461
Delta R.T. -0.00 min
Lab File: VL031437.D
Acq: 23 Jan 2018 4:28

Instrument : MSVOA_L
ClientSampleId : MDL-AIR-5

Tgt Ion: 61 Resp: 1996

Ion	Ratio	Lower	Upper
61	100		
96	22.7	51.3	76.9#
98	0.0	33.6	50.4#

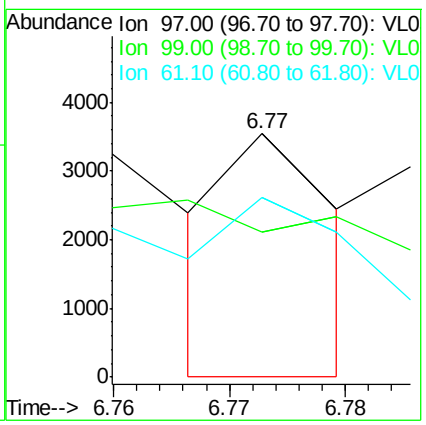


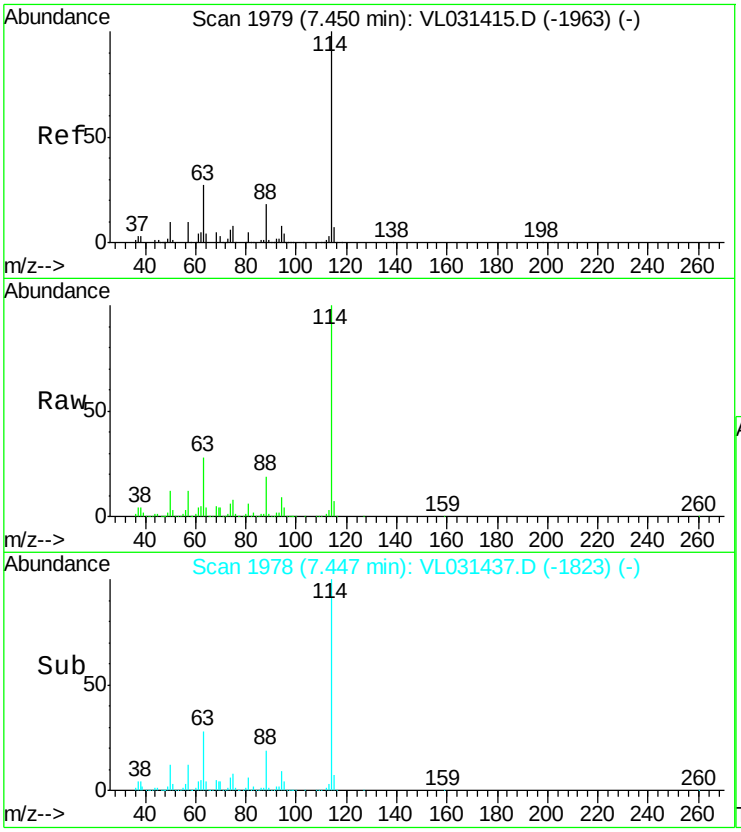


#32
1,1,1-Trichloroethane
Concen: 0.01 ppbv
RT: 6.77 min Scan# 1768
Delta R.T. -0.00 min
Lab File: VL031437.D
Acq: 23 Jan 2018 4:28

Tgt Ion: 97 Resp: 1157

Ion	Ratio	Lower	Upper
97	100		
99	398.7	51.9	77.9#
61	363.1	40.6	61.0#



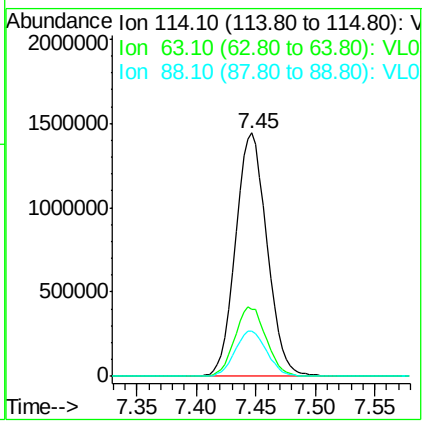


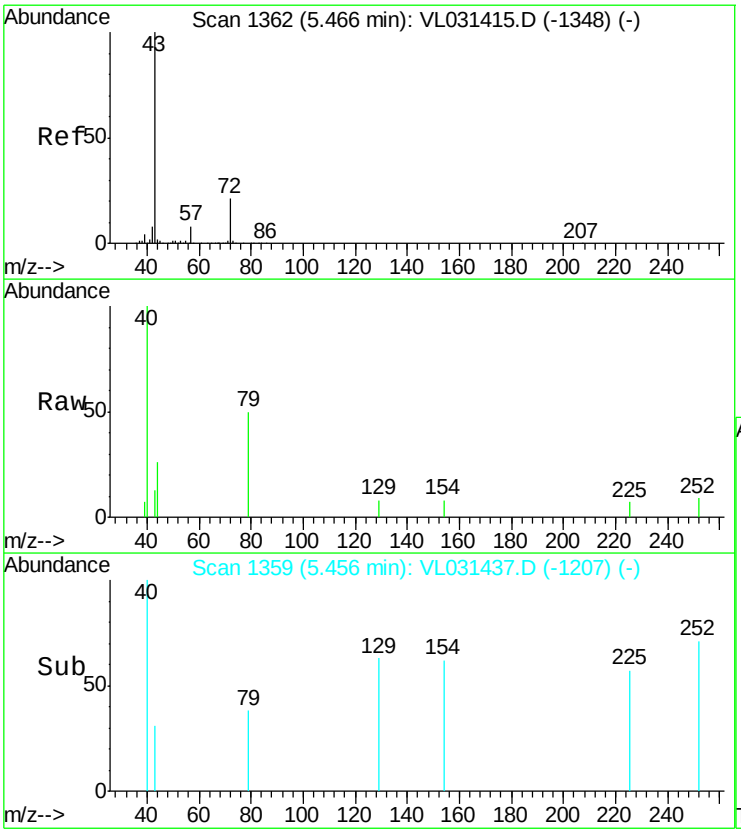
#33
1,4-Difluorobenzene
Concen: 10.00 ppbv
RT: 7.45 min Scan# 1978
Delta R.T. -0.00 min
Lab File: VL031437.D
Acq: 23 Jan 2018 4:28

Instrument :
MSVOA_L
ClientSampleId :
MDL-AIR-5

Tgt Ion:114 Resp: 2640567

Ion	Ratio	Lower	Upper
114	100		
63	28.6	22.5	33.7
88	18.8	14.6	22.0

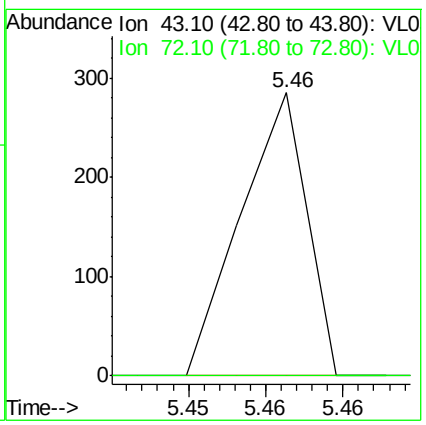


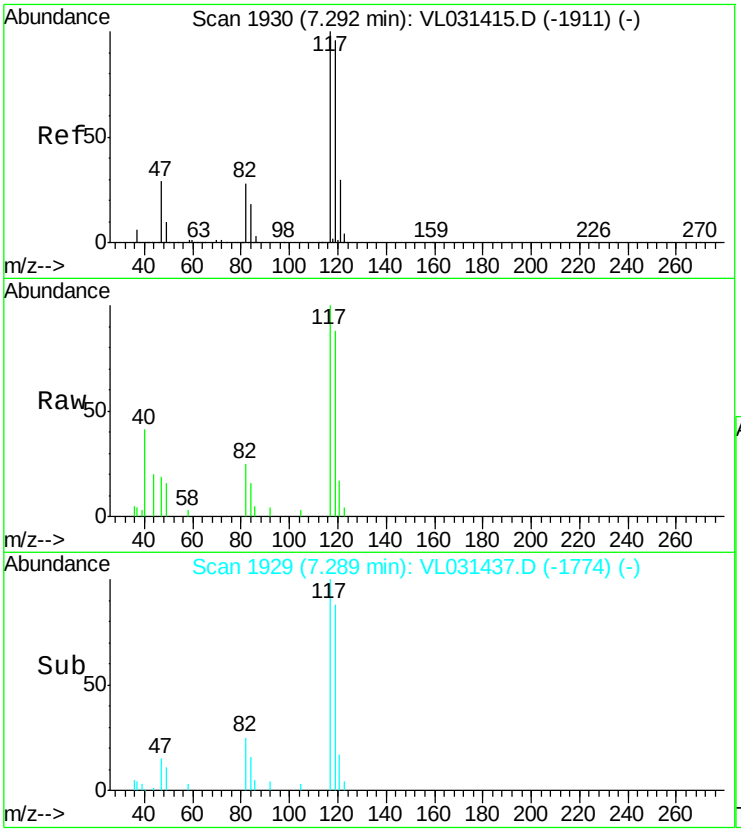


#34
2-Butanone
Concen: 0.00 ppbv
RT: 5.46 min Scan# 1359
Delta R.T. -0.01 min
Lab File: VL031437.D
Acq: 23 Jan 2018 4:28

Tgt Ion: 43 Resp: 84

Ion	Ratio	Lower	Upper
43	100		
72	0.0	16.8	25.2#



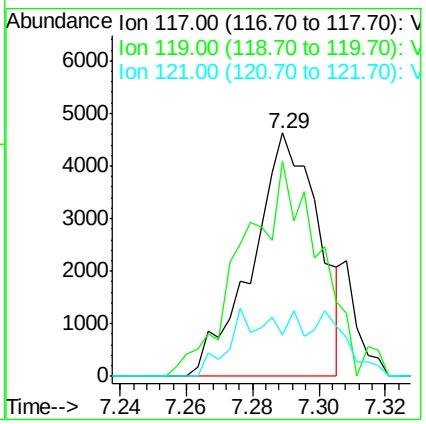


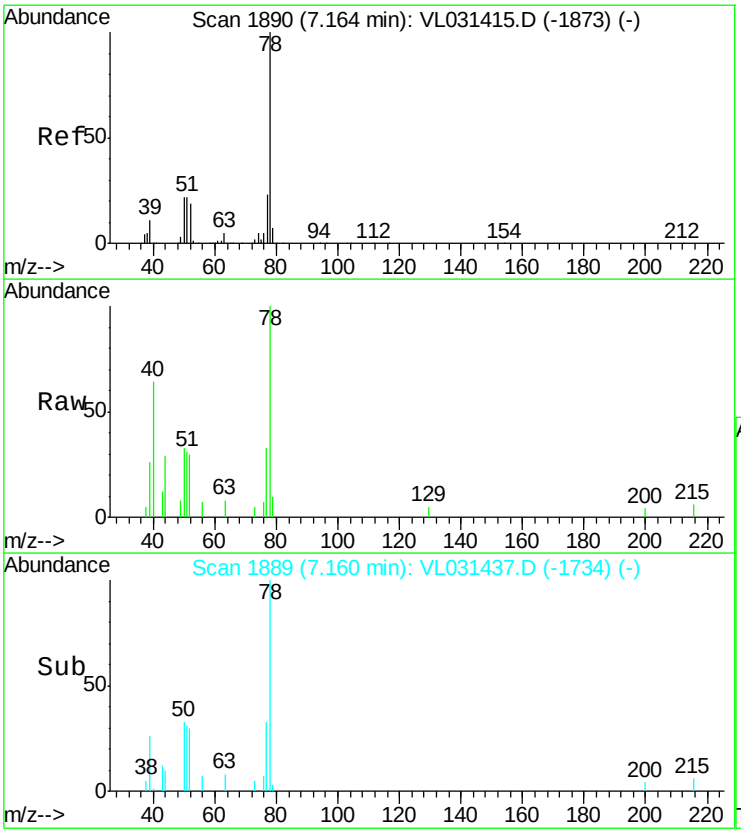
#35
Carbon Tetrachloride
Concen: 0.03 ppbv
RT: 7.29 min Scan# 1929
Delta R.T. -0.00 min
Lab File: VL031437.D
Acq: 23 Jan 2018 4:28

Instrument : MSVOA_L
ClientSampleId : MDL-AIR-5

Tgt Ion:117 Resp: 6441

Ion	Ratio	Lower	Upper
117	100		
119	79.2	74.2	111.4
121	16.8	24.2	36.4#

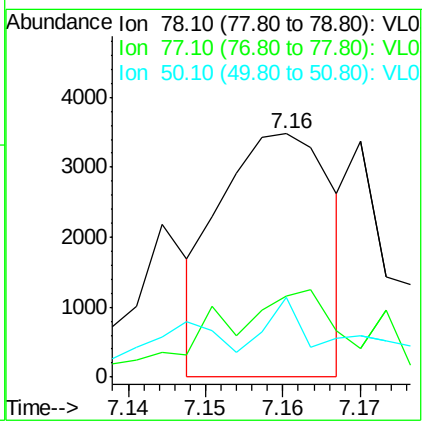


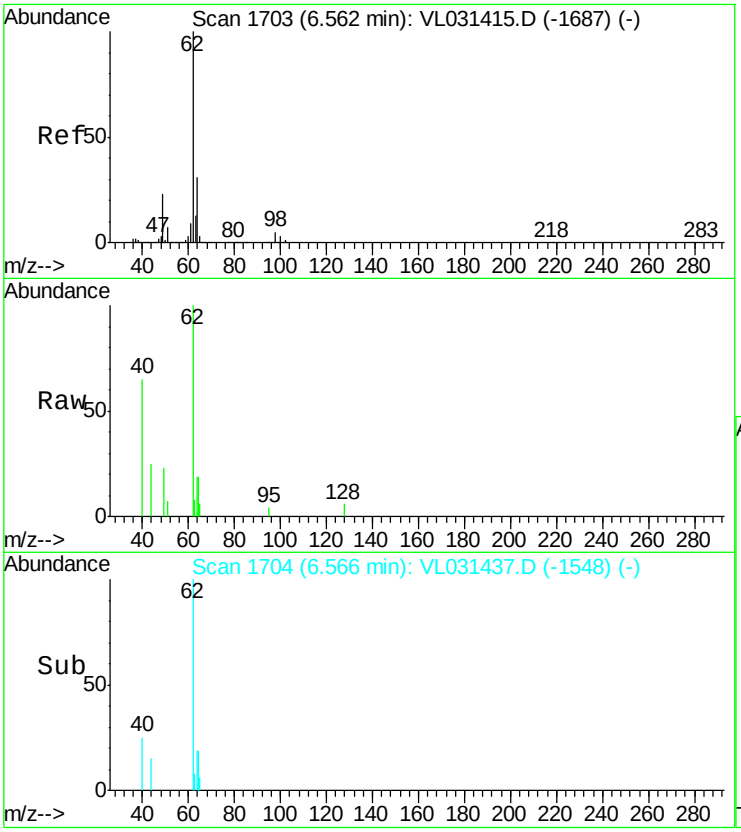


#36
Benzene
Concen: 0.01 ppbv
RT: 7.16 min Scan# 1889
Delta R.T. -0.00 min
Lab File: VL031437.D
Acq: 23 Jan 2018 4:28

Tgt Ion: 78 Resp: 3478

Ion	Ratio	Lower	Upper
78	100		
77	46.5	18.7	28.1#
50	32.0	18.4	27.6#



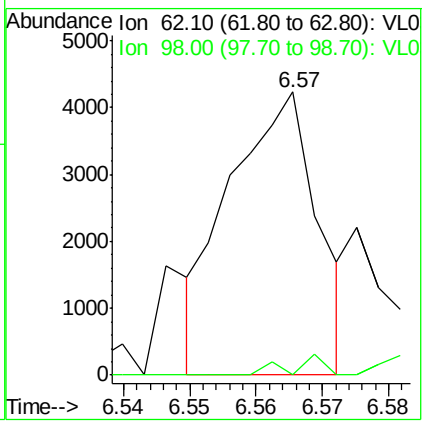


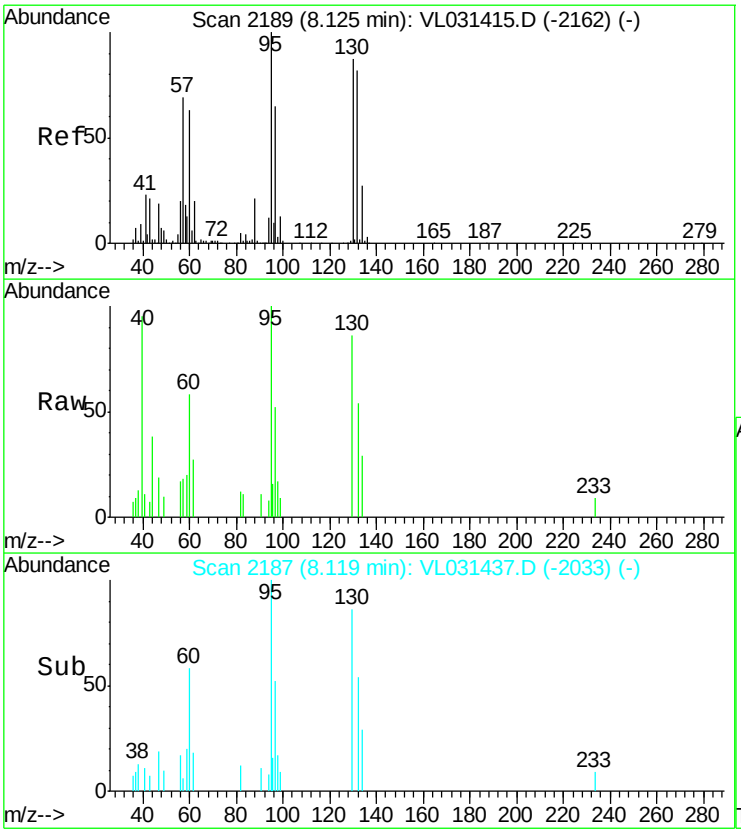
#37
1,2-Dichloroethane
Concen: 0.02 ppbv
RT: 6.57 min Scan# 1704
Delta R.T. 0.00 min
Lab File: VL031437.D
Acq: 23 Jan 2018 4:28

Instrument : MSVOA_L
ClientSampleId : MDL-AIR-5

Tgt Ion: 62 Resp: 3927

Ion	Ratio	Lower	Upper
62	100		
98	0.0	4.1	6.1#

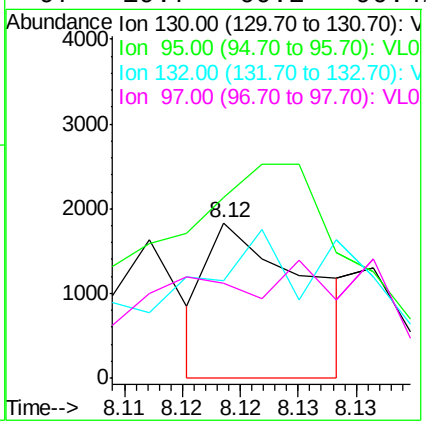


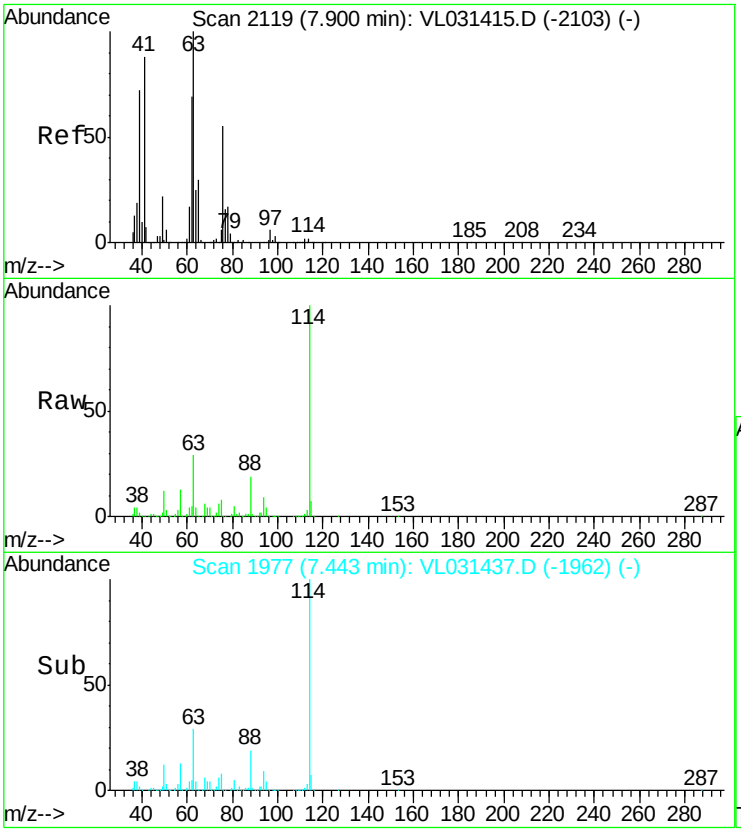


#38
Trichloroethene
Concen: 0.01 ppbv
RT: 8.12 min Scan# 2187
Delta R.T. -0.01 min
Lab File: VL031437.D
Acq: 23 Jan 2018 4:28

Tgt Ion:130 Resp: 1085

Ion	Ratio	Lower	Upper
130	100		
95	82.2	92.9	139.3#
132	0.0	74.9	112.3#
97	19.7	60.2	90.4#



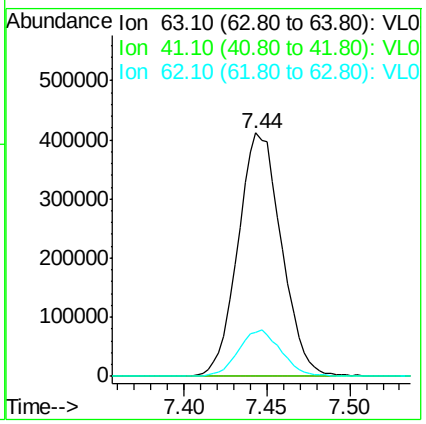


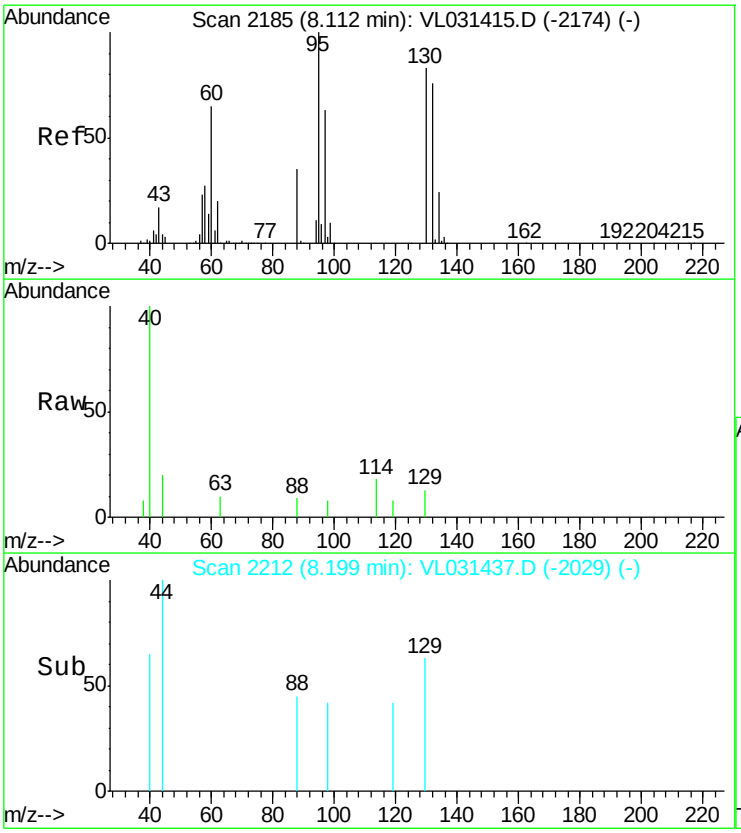
#39
1,2-Dichloropropane
Concen: 8.46 ppbv
RT: 7.44 min Scan# 1977
Delta R.T. -0.45 min
Lab File: VL031437.D
Acq: 23 Jan 2018 4:28

Instrument : MSVOA_L
ClientSampleId : MDL-AIR-5

Tgt Ion: 63 Resp: 745531

Ion	Ratio	Lower	Upper
63	100		
41	0.1	67.6	101.4#
62	17.9	51.8	77.6#

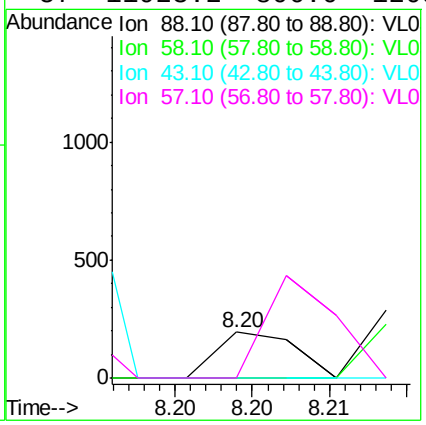


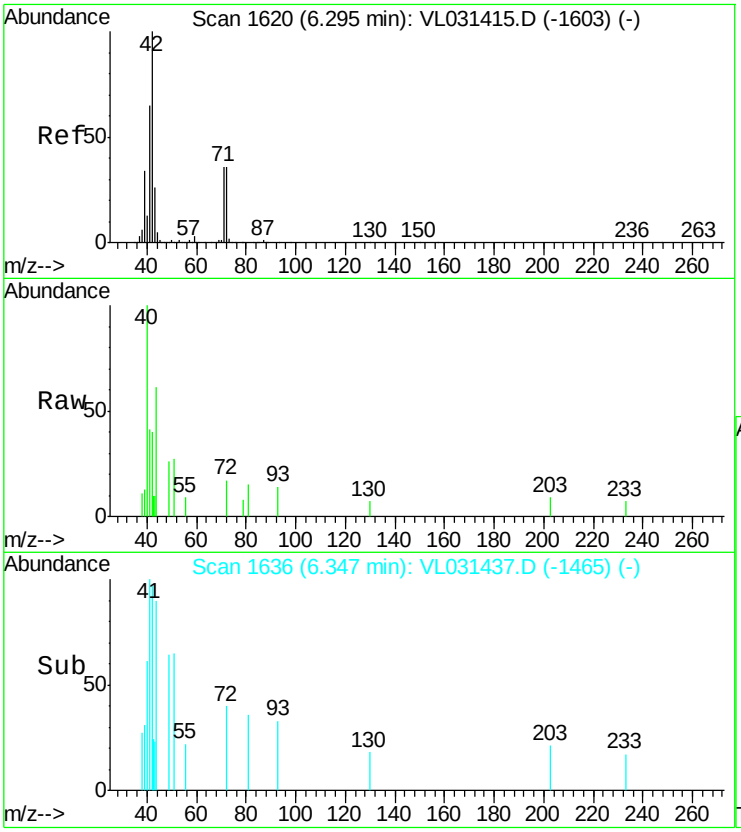


#40
1,4-Dioxane
Concen: 0.00 ppbv
RT: 8.20 min Scan# 2212
Delta R.T. 0.09 min
Lab File: VL031437.D
Acq: 23 Jan 2018 4:28

Tgt Ion: 88 Resp: 69

Ion	Ratio	Lower	Upper
88	100		
58	942.0	98.2	147.2#
43	3640.6	197.3	295.9#
57	11923.2	806.0	1209.0#



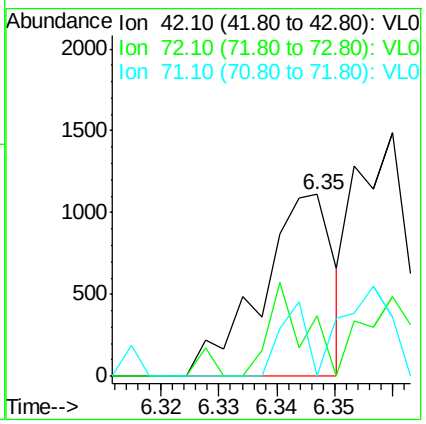


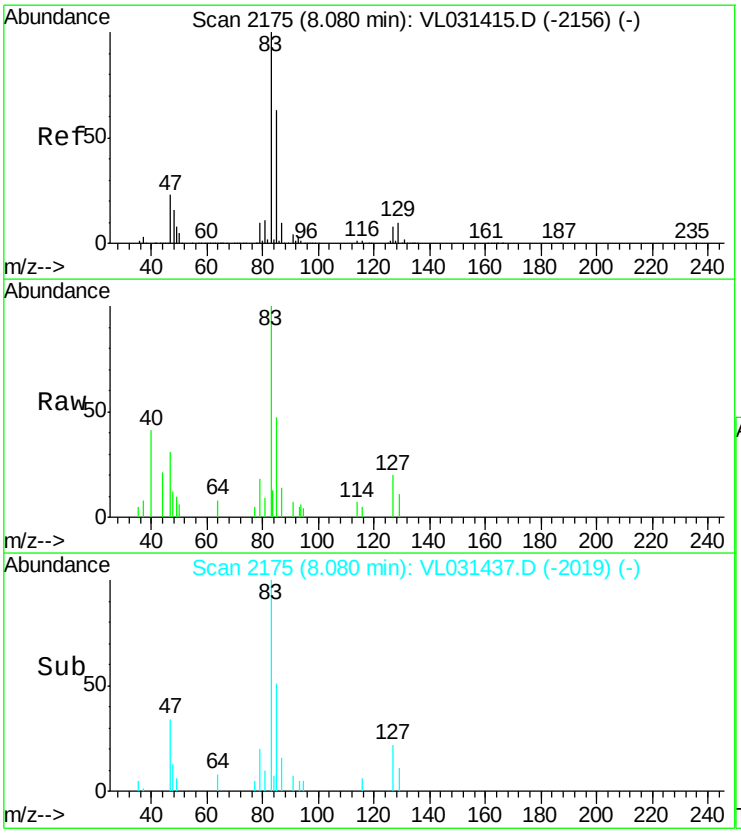
#41
Tetrahydrofuran
Concen: 0.01 ppbv
RT: 6.35 min Scan# 1636
Delta R.T. 0.05 min
Lab File: VL031437.D
Acq: 23 Jan 2018 4:28

Instrument : MSVOA_L
ClientSampleId : MDL-AIR-5

Tgt Ion: 42 Resp: 958

Ion	Ratio	Lower	Upper
42	100		
72	78.8	30.4	45.6#
71	0.0	29.2	43.8#

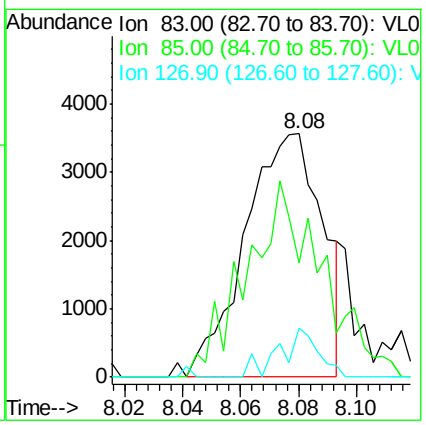


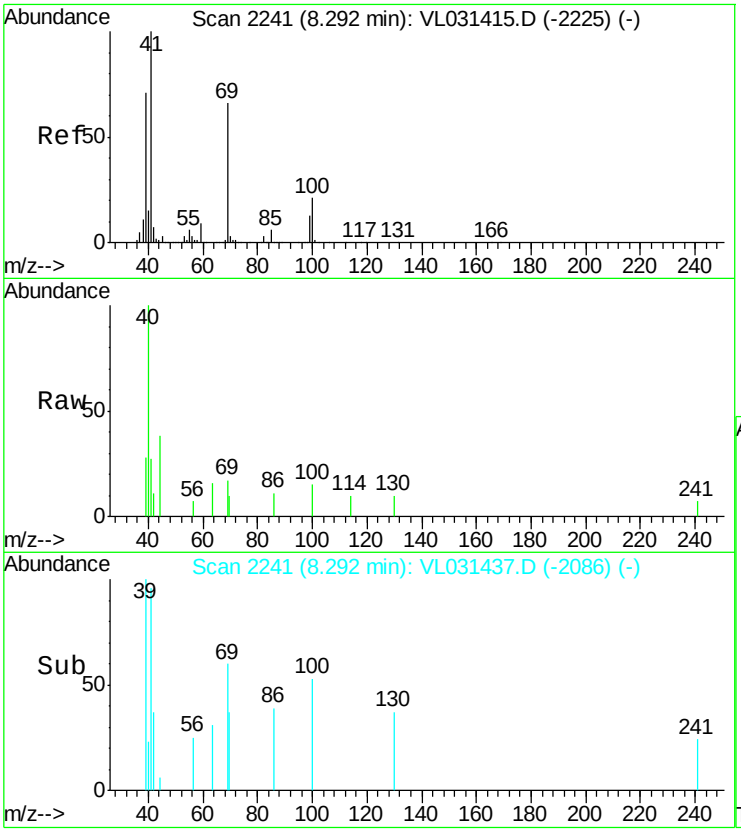


#42
Bromodichloromethane
Concen: 0.03 ppbv
RT: 8.08 min Scan# 2175
Delta R.T. 0.00 min
Lab File: VL031437.D
Acq: 23 Jan 2018 4:28

Tgt Ion: 83 Resp: 6597

Ion	Ratio	Lower	Upper
83	100		
85	46.9	52.1	78.1#
127	16.0	6.6	10.0#



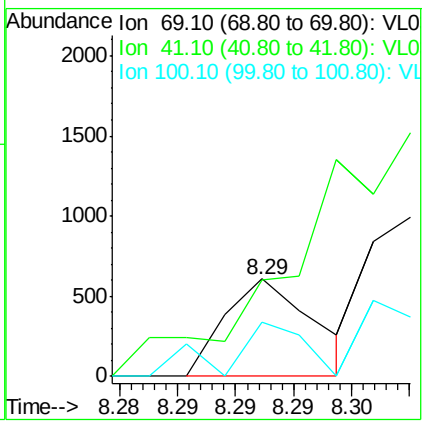


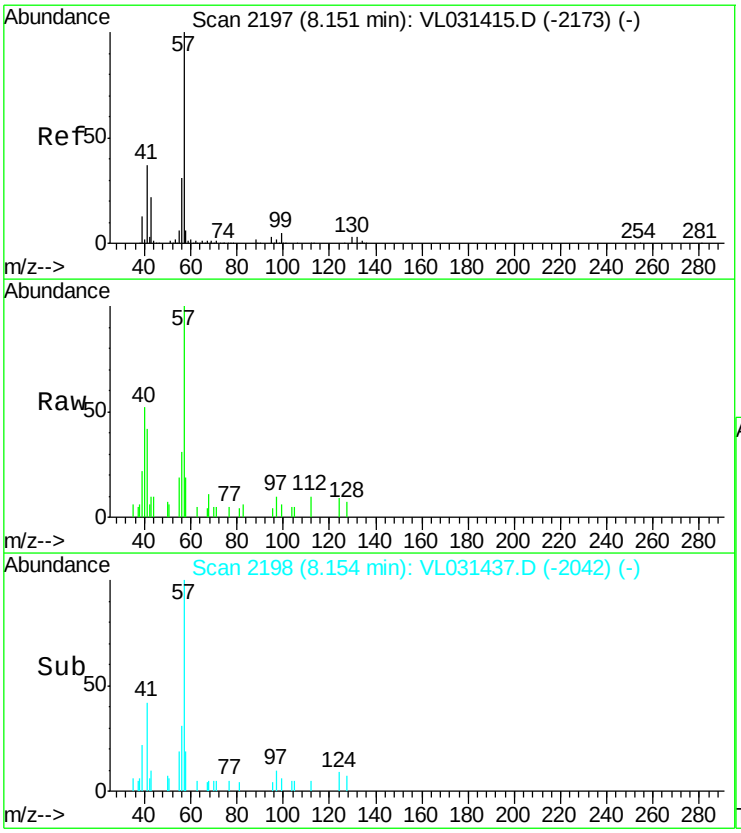
#43
Methyl Methacrylate
Concen: 0.00 ppbv
RT: 8.29 min Scan# 2241
Delta R.T. -0.00 min
Lab File: VL031437.D
Acq: 23 Jan 2018 4:28

Instrument :
MSVOA_L
ClientSampleId :
MDL-AIR-5

Tgt Ion: 69 Resp: 319

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

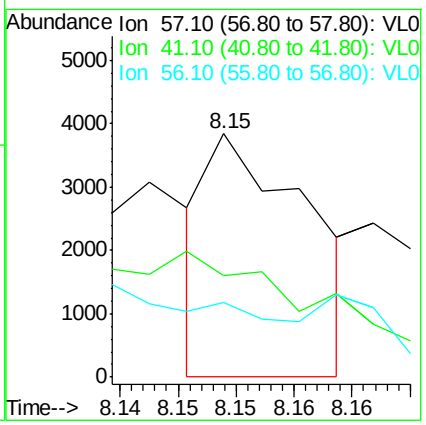


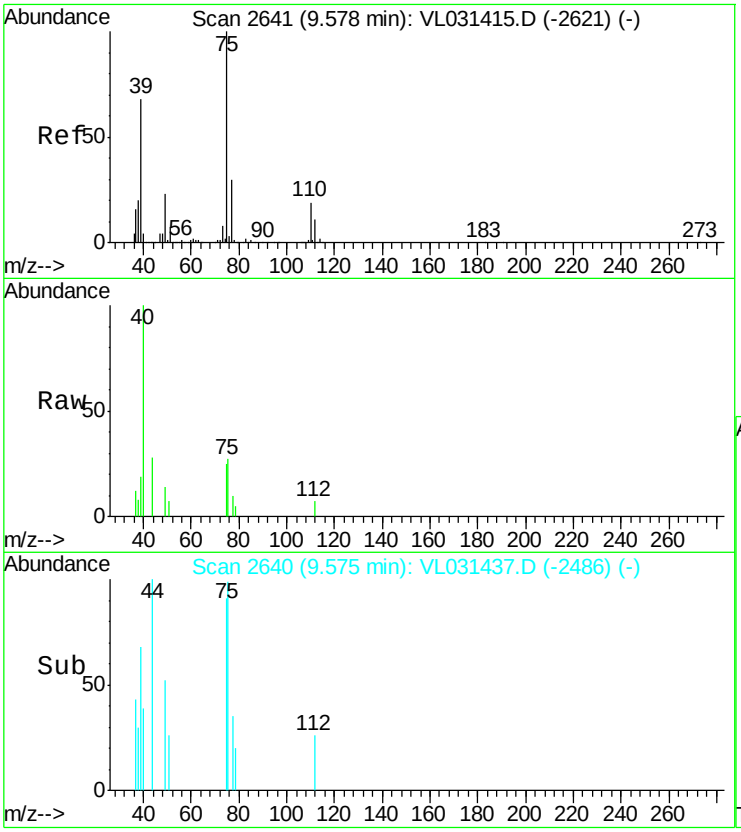


#44
2,2,4-Trimethylpentane
Concen: 0.01 ppbv
RT: 8.15 min Scan# 2198
Delta R.T. 0.00 min
Lab File: VL031437.D
Acq: 23 Jan 2018 4:28

Tgt Ion: 57 Resp: 2312

Ion	Ratio	Lower	Upper
57	100		
41	179.2	28.8	43.2#
56	0.0	24.6	37.0#



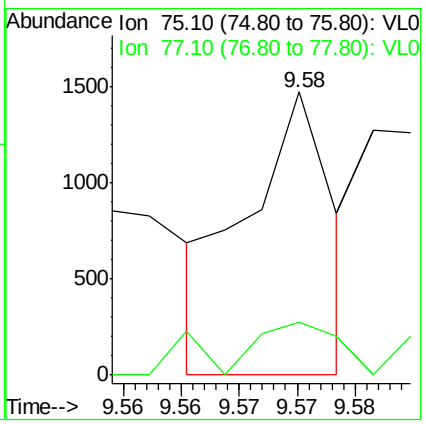


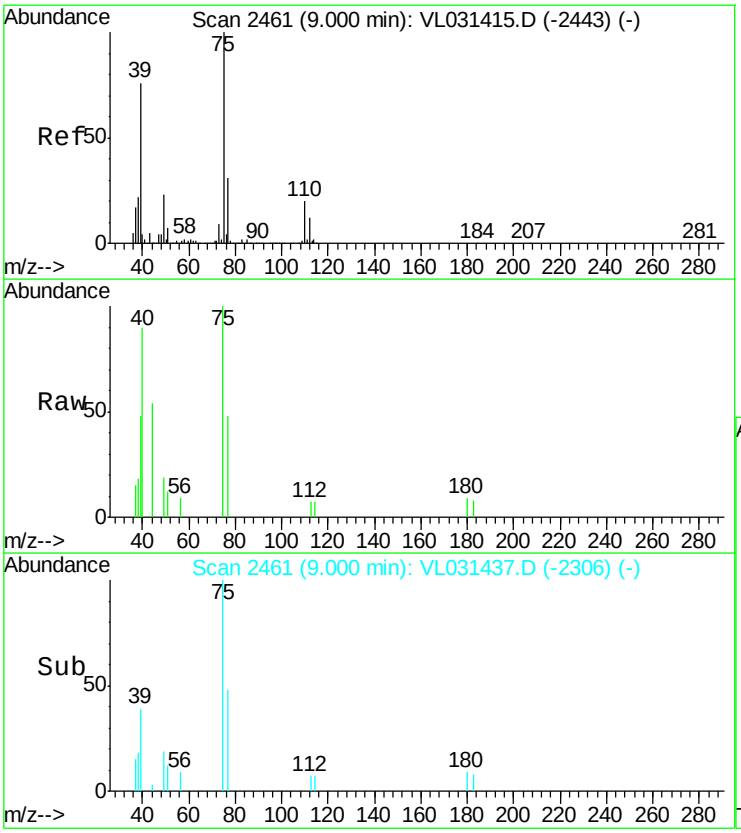
#45
t-1,3-Dichloropropene
Concen: 0.01 ppbv
RT: 9.58 min Scan# 2640
Delta R.T. -0.01 min
Lab File: VL031437.D
Acq: 23 Jan 2018 4:28

Instrument :
MSVOA_L
ClientSampleId :
MDL-AIR-5

Tgt Ion: 75 Resp: 761

Ion	Ratio	Lower	Upper
75	100		
77	18.7	25.3	37.9#

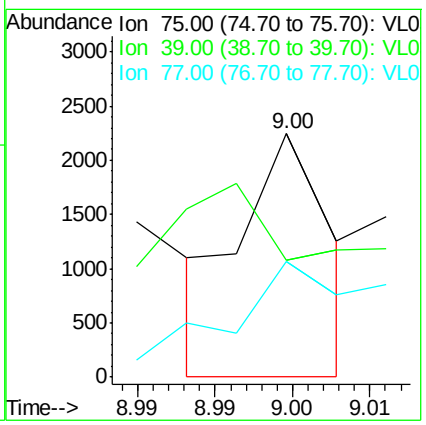


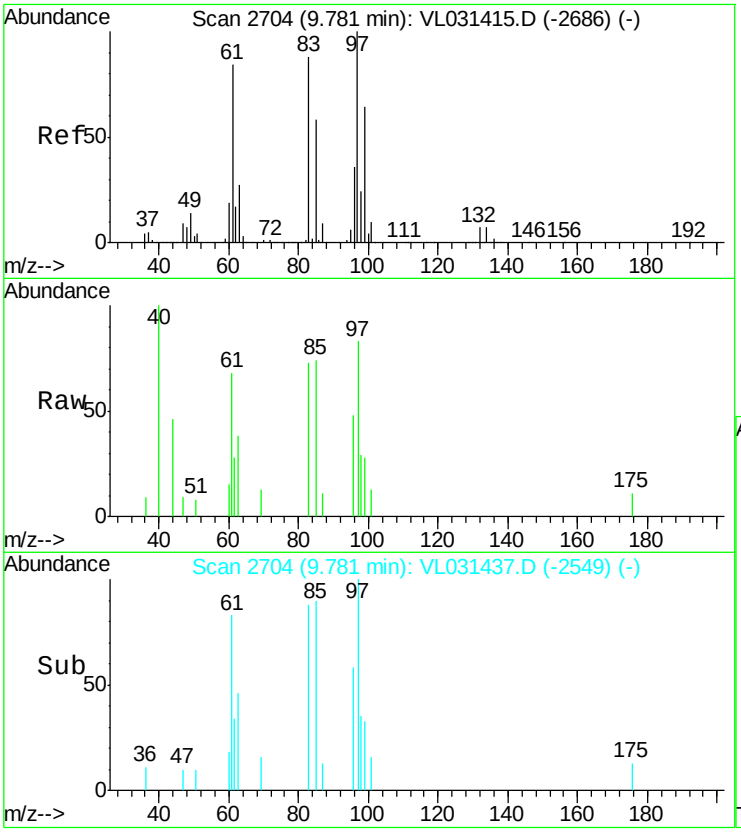


#46
cis-1,3-Dichloropropene
Concen: 0.01 ppbv
RT: 9.00 min Scan# 2461
Delta R.T. -0.00 min
Lab File: VL031437.D
Acq: 23 Jan 2018 4:28

Tgt Ion: 75 Resp: 895

Ion	Ratio	Lower	Upper
75	100		
39	0.0	59.4	89.0#
77	49.7	25.0	37.4#



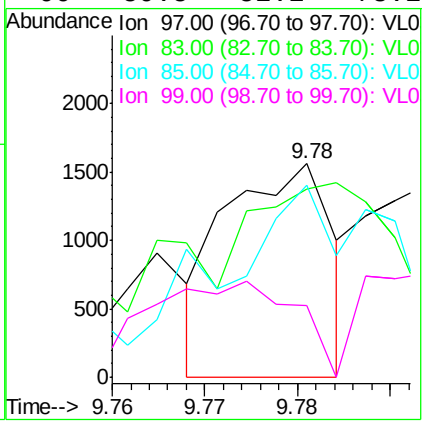


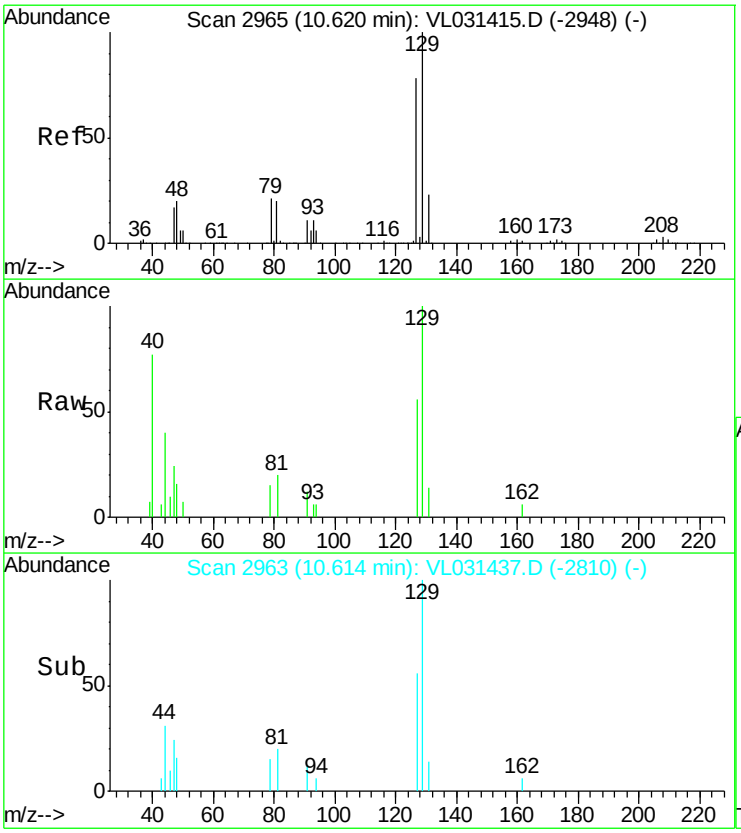
#47
1,1,2-Trichloroethane
Concen: 0.01 ppbv
RT: 9.78 min Scan# 2704
Delta R.T. -0.00 min
Lab File: VL031437.D
Acq: 23 Jan 2018 4:28

Instrument :
MSVOA_L
ClientSampleId :
MDL-AIR-5

Tgt Ion: 97 Resp: 1247

Ion	Ratio	Lower	Upper
97	100		
83	44.8	71.4	107.2#
85	58.8	46.2	69.2
99	59.5	52.2	78.2

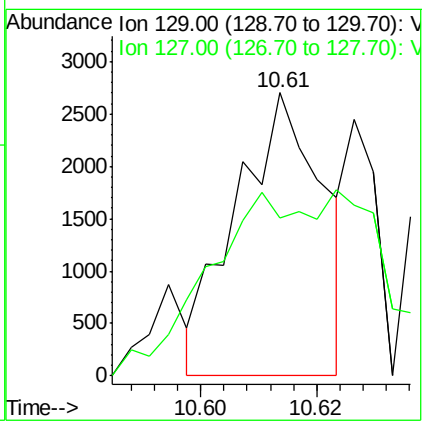


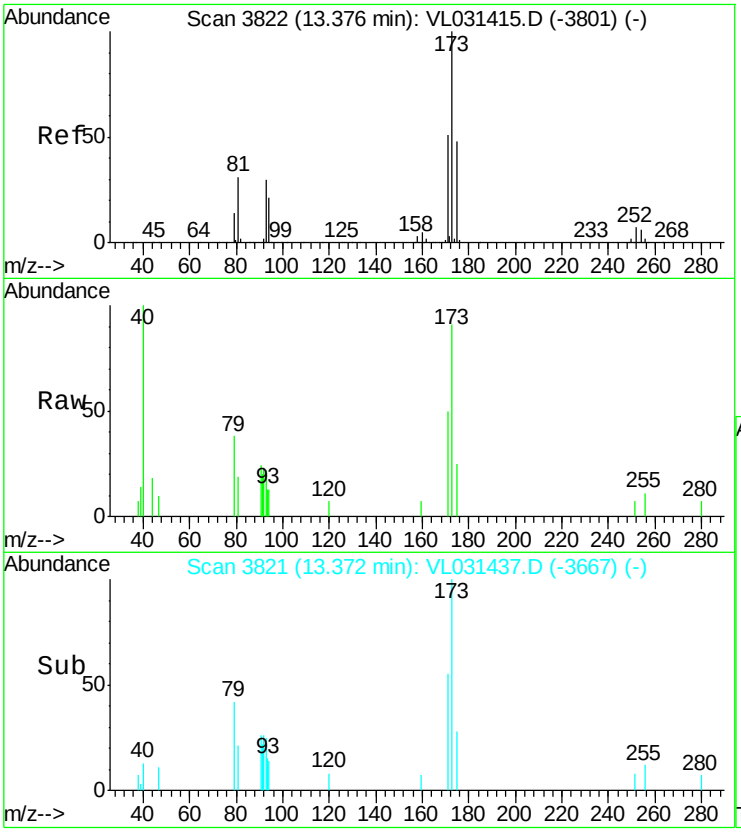


#48
Dibromochloromethane
Concen: 0.02 ppbv
RT: 10.61 min Scan# 2963
Delta R.T. -0.01 min
Lab File: VL031437.D
Acq: 23 Jan 2018 4:28

Tgt Ion:129 Resp: 2789

Ion	Ratio	Lower	Upper
129	100		
127	0.0	39.4	118.1#



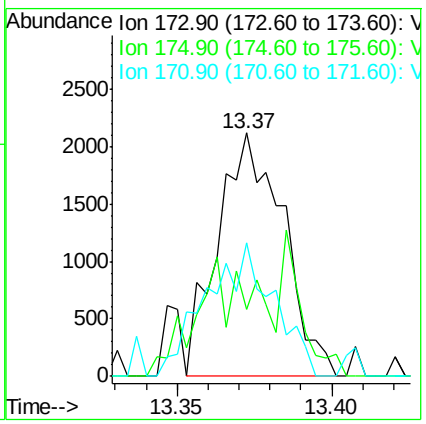


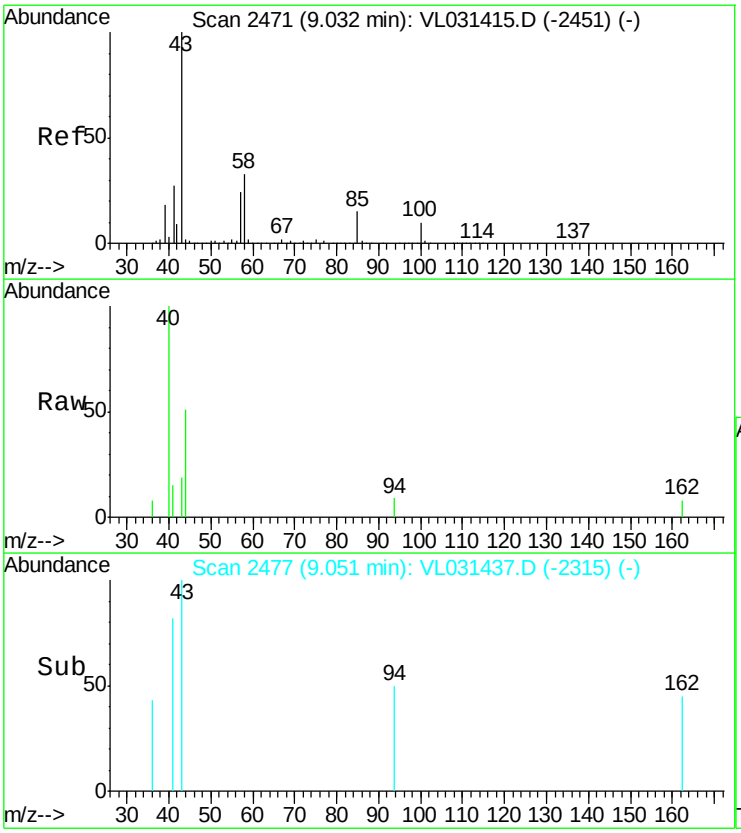
#49
Bromoform
Concen: 0.02 ppbv
RT: 13.37 min Scan# 3821
Delta R.T. -0.01 min
Lab File: VL031437.D
Acq: 23 Jan 2018 4:28

Instrument :
MSVOA_L
ClientSampleId :
MDL-AIR-5

Tgt Ion:173 Resp: 3122

Ion	Ratio	Lower	Upper
173	100		
175	62.7	39.0	58.4#
171	61.2	42.0	63.0

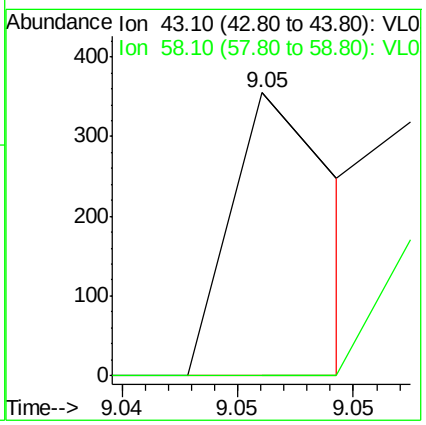


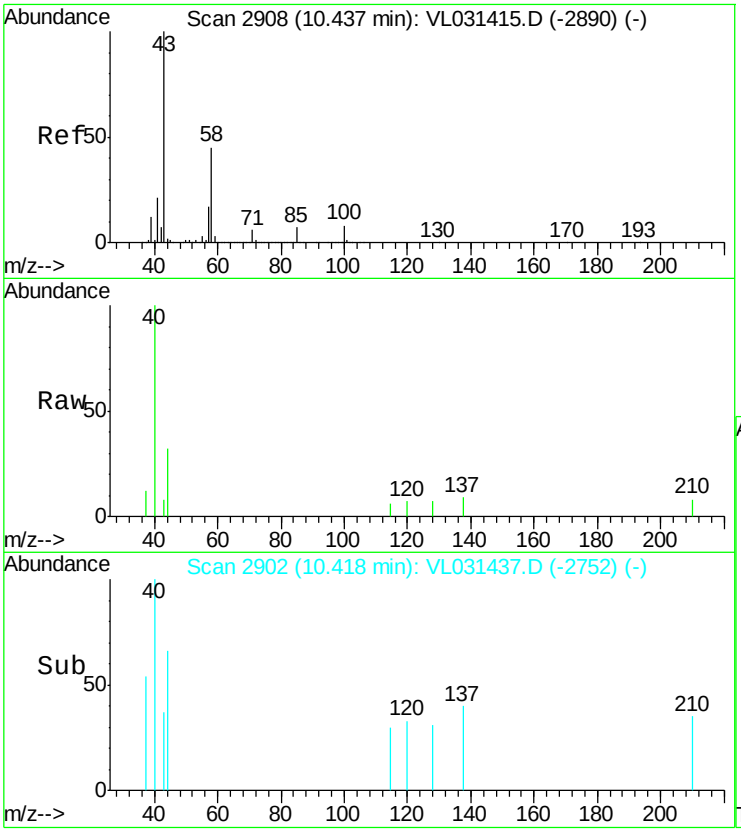


#50
4-Methyl-2-Pentanone
Concen: 0.00 ppbv
RT: 9.05 min Scan# 2477
Delta R.T. 0.02 min
Lab File: VL031437.D
Acq: 23 Jan 2018 4:28

Tgt Ion: 43 Resp: 116

Ion	Ratio	Lower	Upper
43	100		
58	0.0	27.1	40.7#



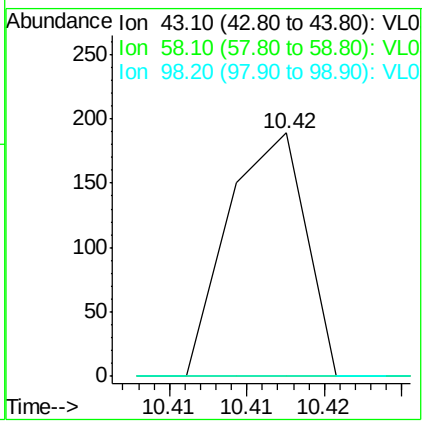


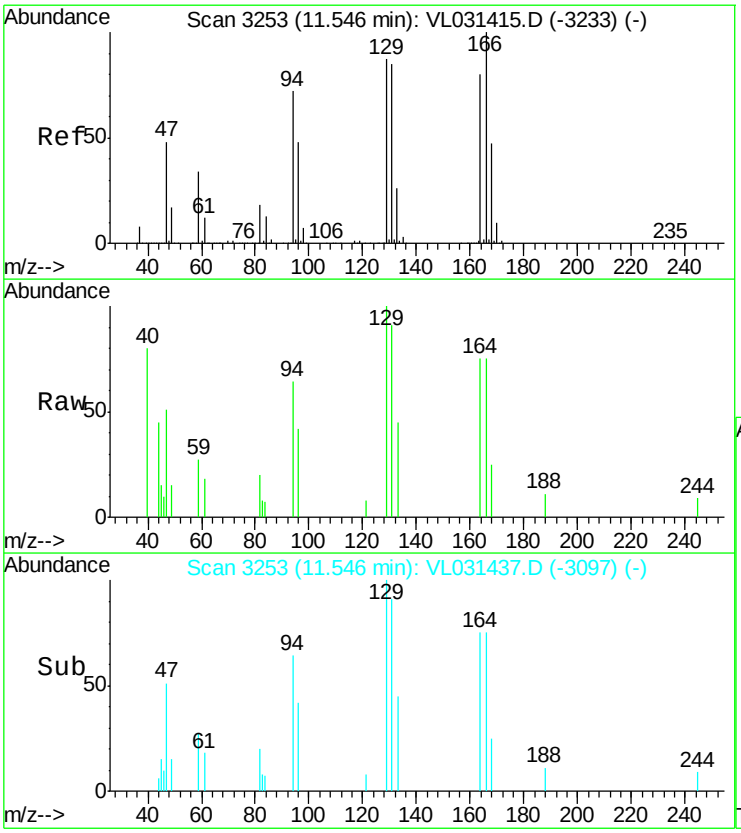
#51
2-Hexanone
Concen: 0.00 ppbv
RT: 10.42 min Scan# 2902
Delta R.T. -0.02 min
Lab File: VL031437.D
Acq: 23 Jan 2018 4:28

Instrument : MSVOA_L
ClientSampleId : MDL-AIR-5

Tgt Ion: 43 Resp: 65

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

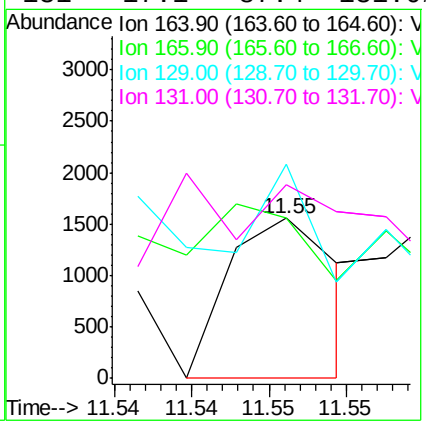


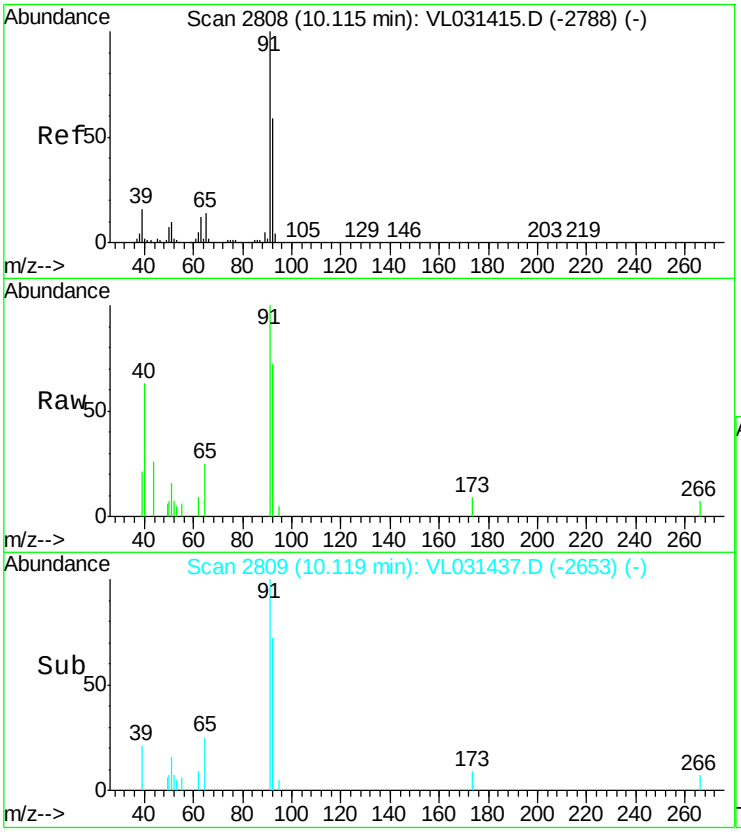


#52
Tetrachloroethene
Concen: 0.01 ppbv
RT: 11.55 min Scan# 3253
Delta R.T. 0.00 min
Lab File: VL031437.D
Acq: 23 Jan 2018 4:28

Tgt Ion:164 Resp: 761

Ion	Ratio	Lower	Upper
164	100		
166	39.0	100.2	150.2#
129	73.5	91.4	137.0#
131	17.1	87.4	131.0#



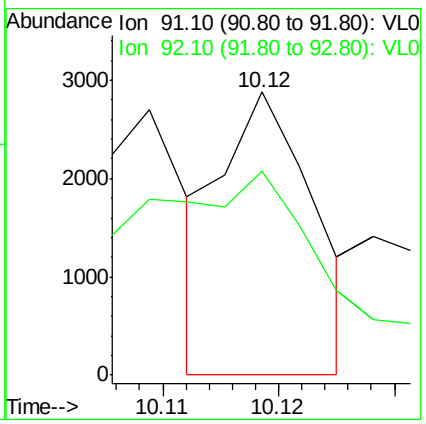


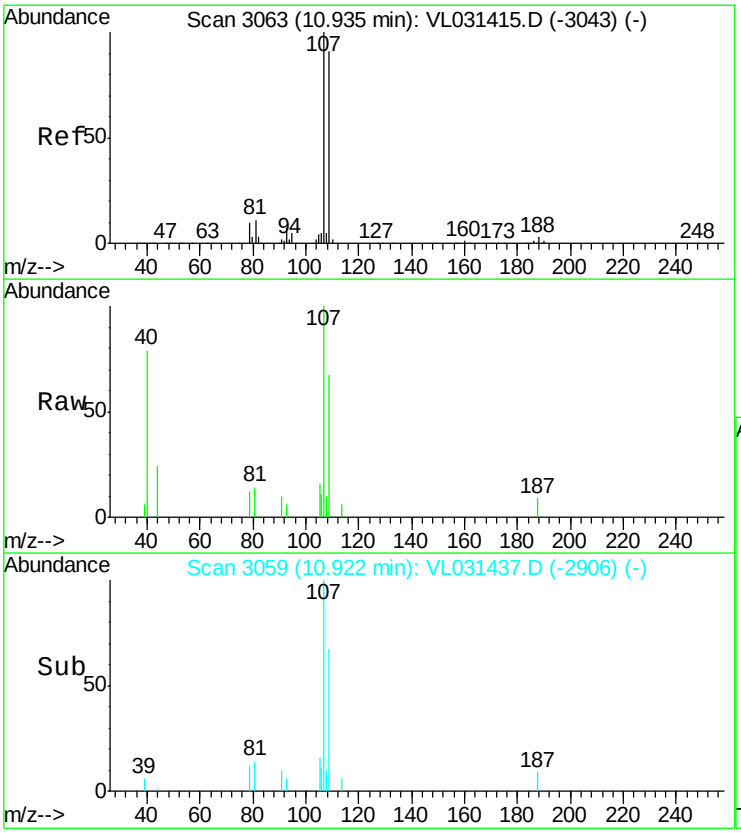
#53
Toluene
Concen: 0.01 ppbv
RT: 10.12 min Scan# 2809
Delta R.T. 0.00 min
Lab File: VL031437.D
Acq: 23 Jan 2018 4:28

Instrument : MSVOA_L
ClientSampleId : MDL-AIR-5

Tgt Ion: 91 Resp: 1592

Ion	Ratio	Lower	Upper
91	100		
92	210.1	47.8	71.6#

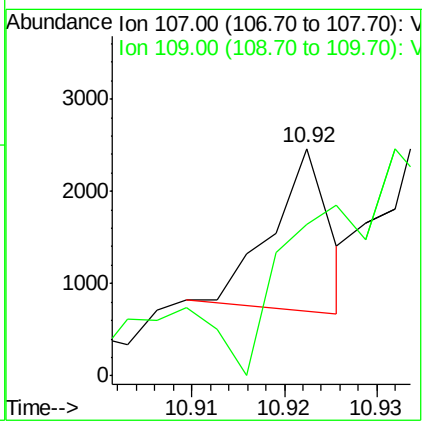


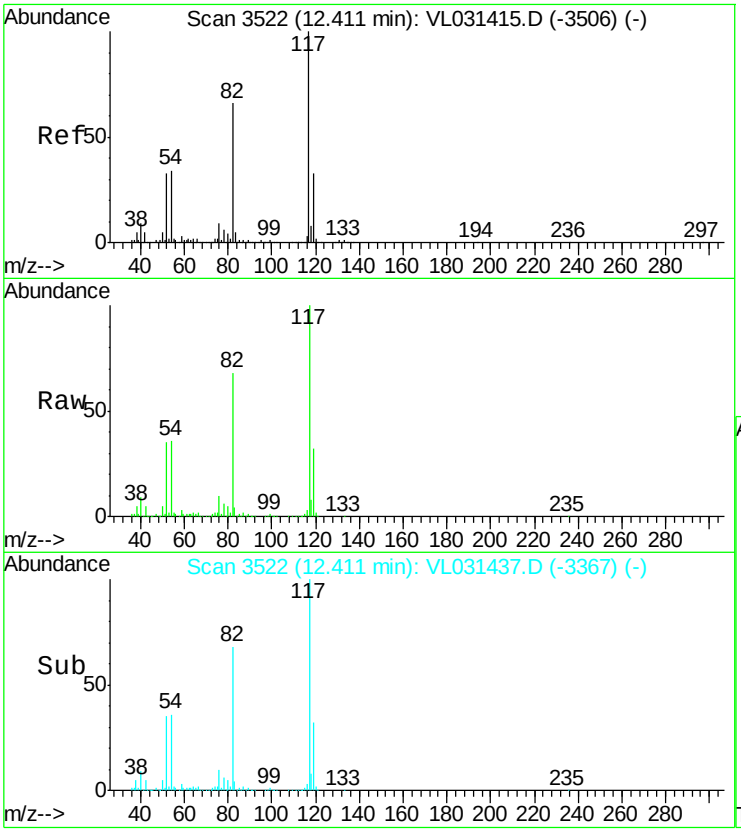


#54
1,2-Dibromoethane
Concen: 0.00 ppbv
RT: 10.92 min Scan# 3059
Delta R.T. -0.01 min
Lab File: VL031437.D
Acq: 23 Jan 2018 4:28

Tgt Ion:107 Resp: 740

Ion	Ratio	Lower	Upper
107	100		
109	55.0	75.5	113.3#



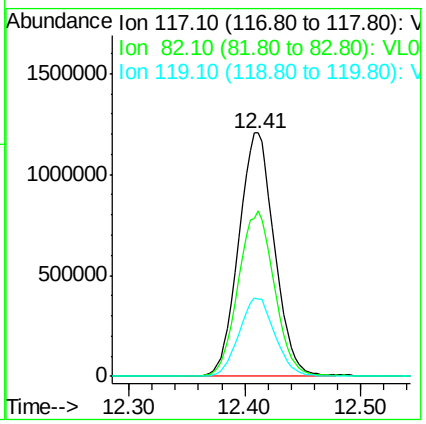


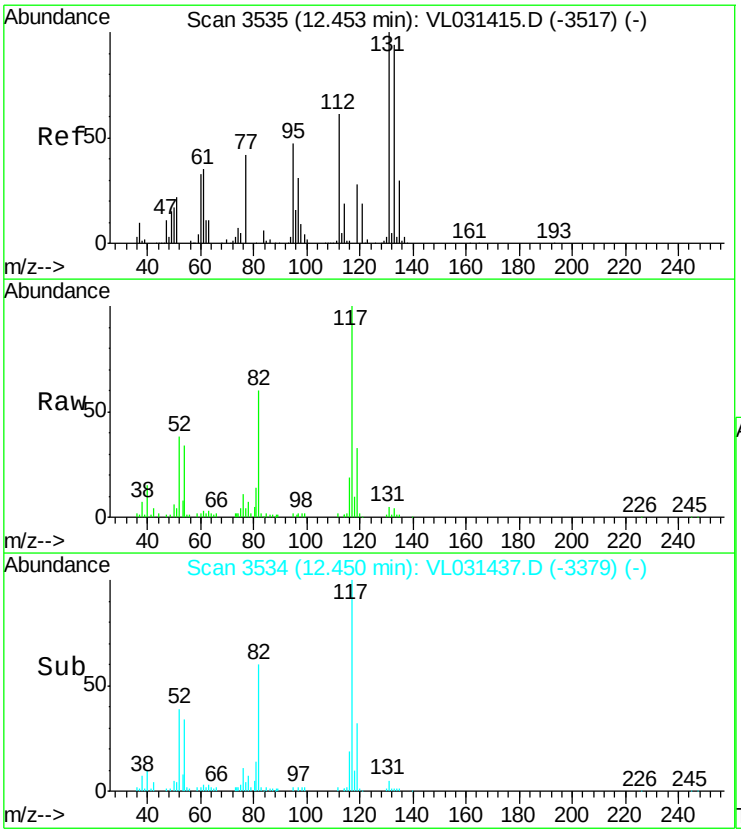
#55
Chlorobenzene-d5
Concen: 10.00 ppbv
RT: 12.41 min Scan# 3522
Delta R.T. -0.00 min
Lab File: VL031437.D
Acq: 23 Jan 2018 4:28

Instrument :
MSVOA_L
ClientSampleId :
MDL-AIR-5

Tgt Ion:117 Resp: 2591603

Ion	Ratio	Lower	Upper
117	100		
82	68.8	51.8	77.6
119	32.4	24.2	36.2

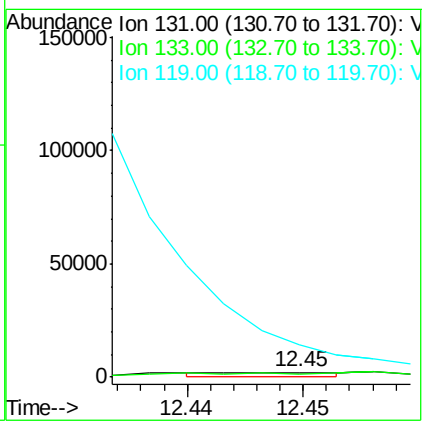


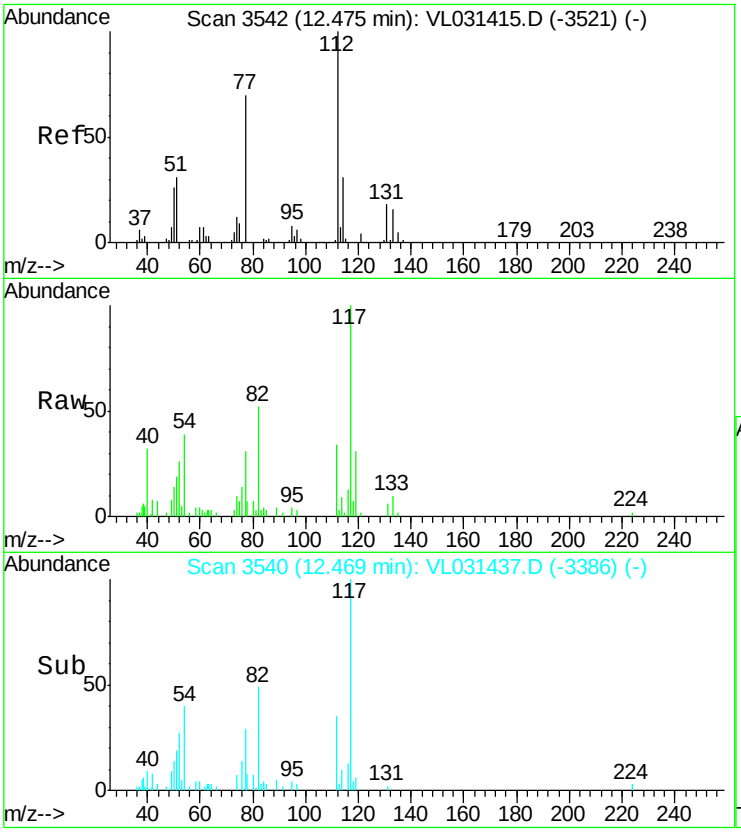


#56
1,1,1,2-Tetrachloroethane
Concen: 0.01 ppbv
RT: 12.45 min Scan# 3534
Delta R.T. -0.00 min
Lab File: VL031437.D
Acq: 23 Jan 2018 4:28

Tgt Ion:131 Resp: 1364

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



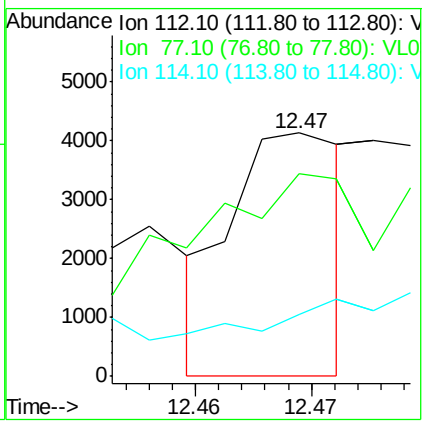


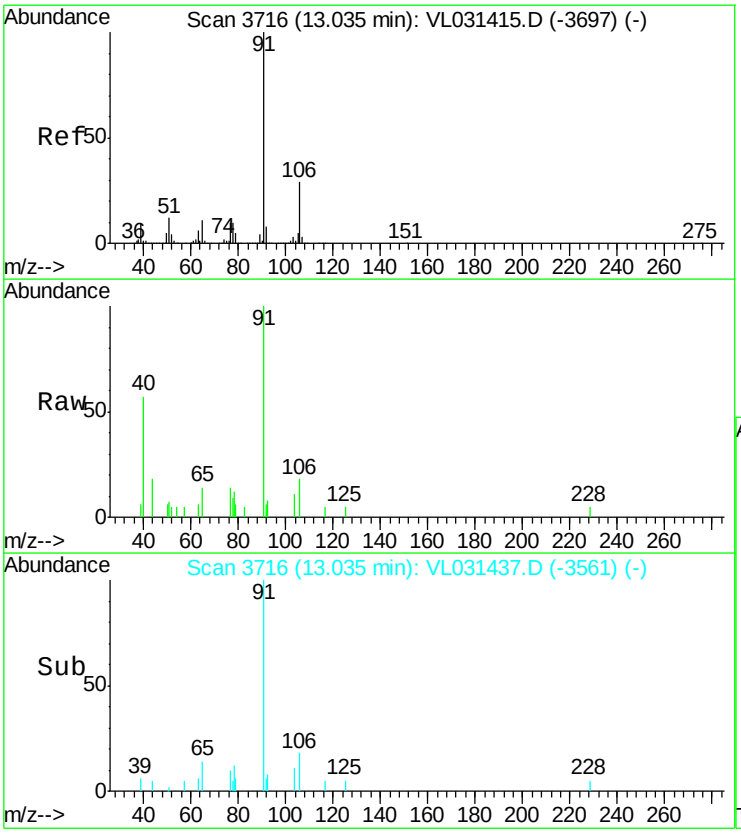
#57
Chlorobenzene
Concen: 0.01 ppbv
RT: 12.47 min Scan# 3540
Delta R.T. -0.01 min
Lab File: VL031437.D
Acq: 23 Jan 2018 4:28

Instrument : MSVOA_L
ClientSampleId : MDL-AIR-5

Tgt Ion:112 Resp: 2778

Ion	Ratio	Lower	Upper
112	100		
77	121.1	56.0	84.0#
114	0.0	29.1	35.5#

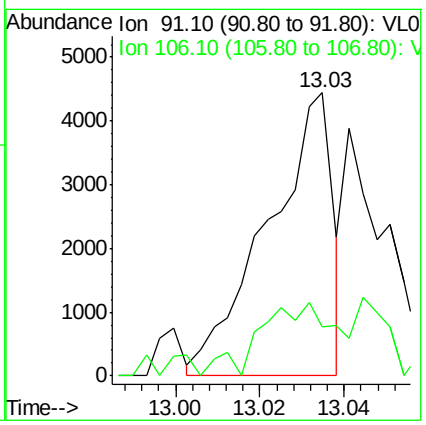


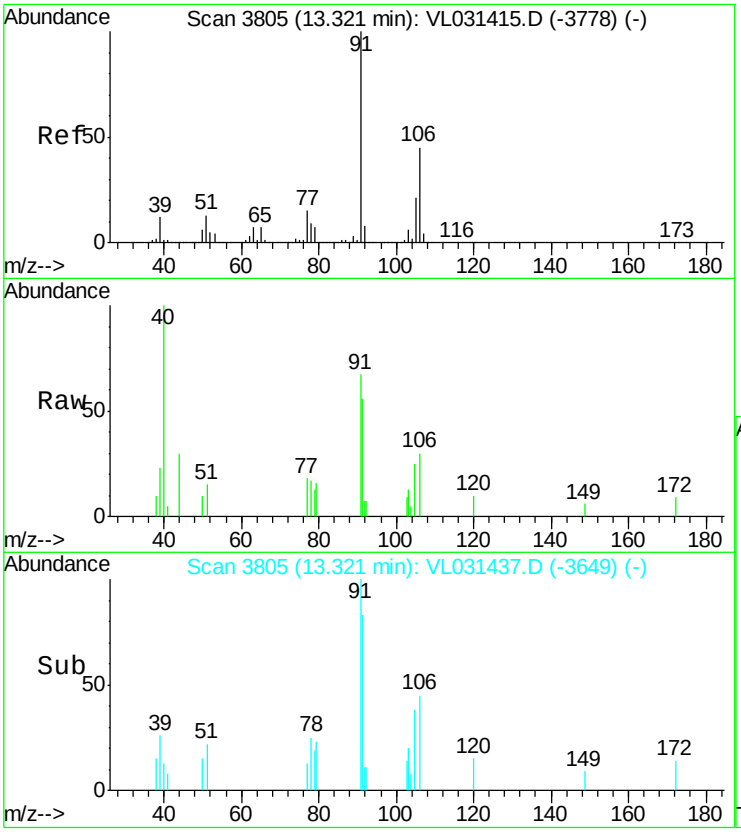


#58
Ethyl Benzene
Concen: 0.01 ppbv
RT: 13.03 min Scan# 3716
Delta R.T. -0.00 min
Lab File: VL031437.D
Acq: 23 Jan 2018 4:28

Tgt Ion: 91 Resp: 4733

Ion	Ratio	Lower	Upper
91	100		
106	10.1	23.8	35.6#



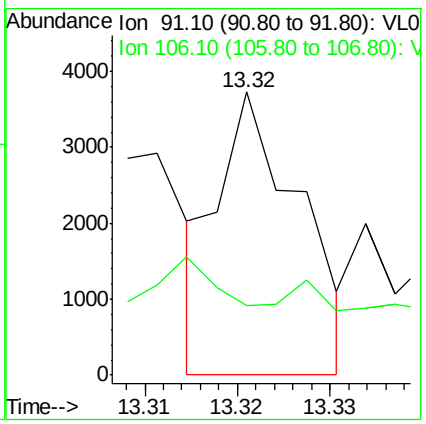


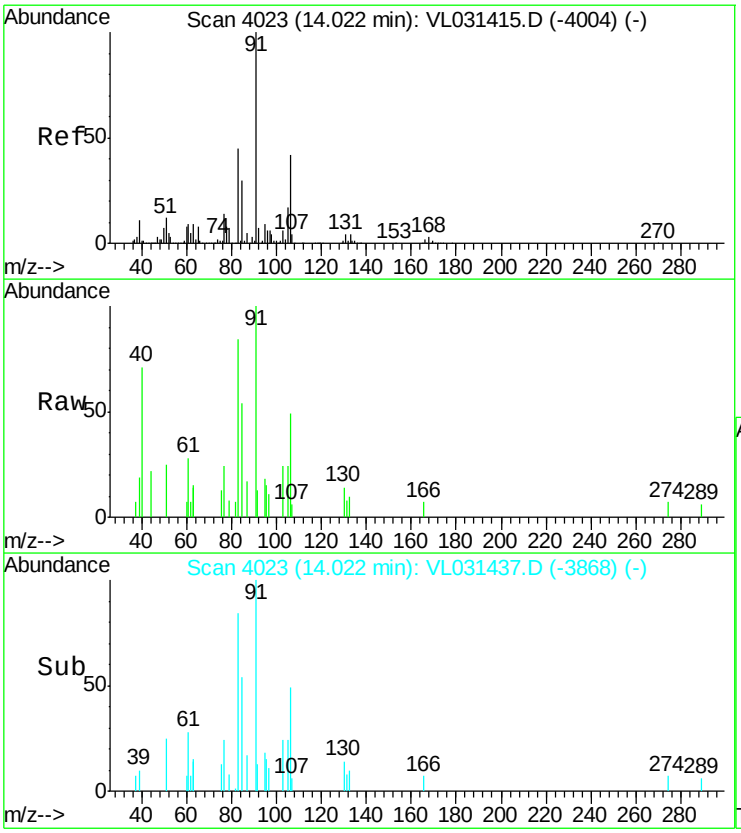
#59
m/p-Xylene
Concen: 0.01 ppbv
RT: 13.32 min Scan# 3805
Delta R.T. 0.00 min
Lab File: VL031437.D
Acq: 23 Jan 2018 4:28

Instrument :
MSVOA_L
ClientSampleId :
MDL-AIR-5

Tgt Ion: 91 Resp: 2279

Ion	Ratio	Lower	Upper
91	100		
106	0.0	35.6	53.4#

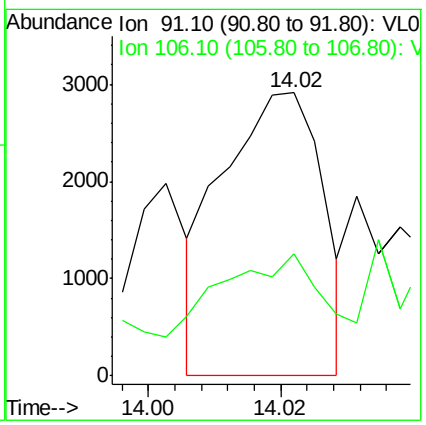


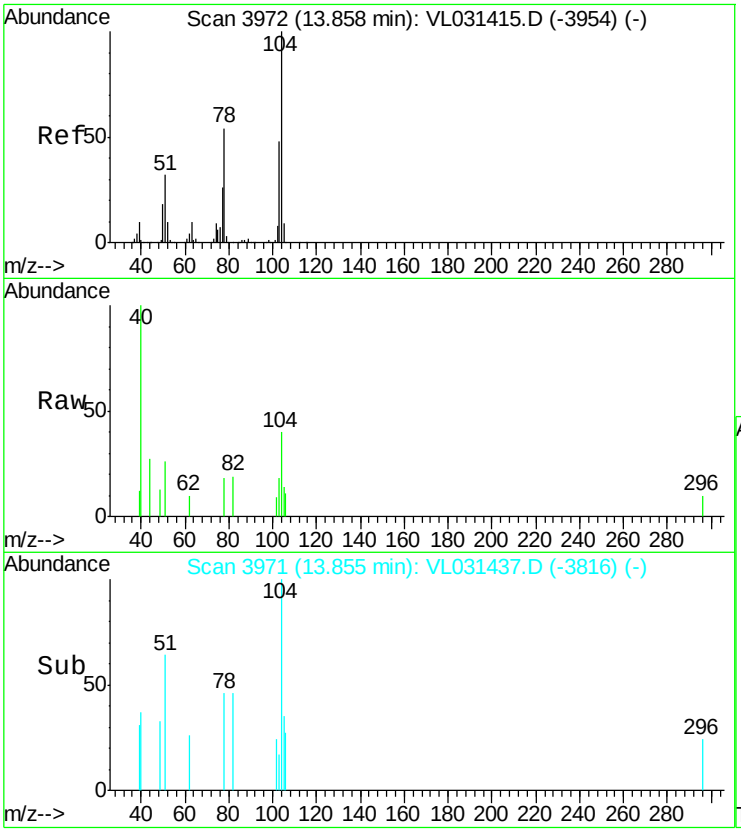


#60
o-Xylene
Concen: 0.01 ppbv
RT: 14.02 min Scan# 4023
Delta R.T. -0.00 min
Lab File: VL031437.D
Acq: 23 Jan 2018 4:28

Tgt Ion: 91 Resp: 3086

Ion	Ratio	Lower	Upper
91	100		
106	0.0	21.3	64.0#



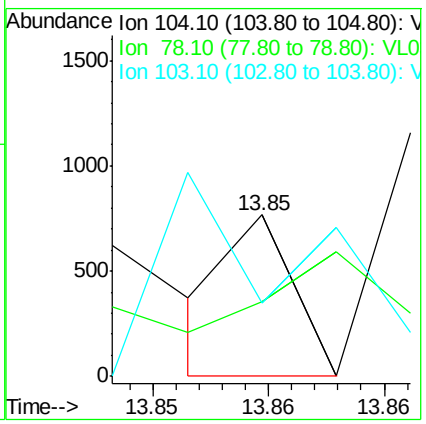


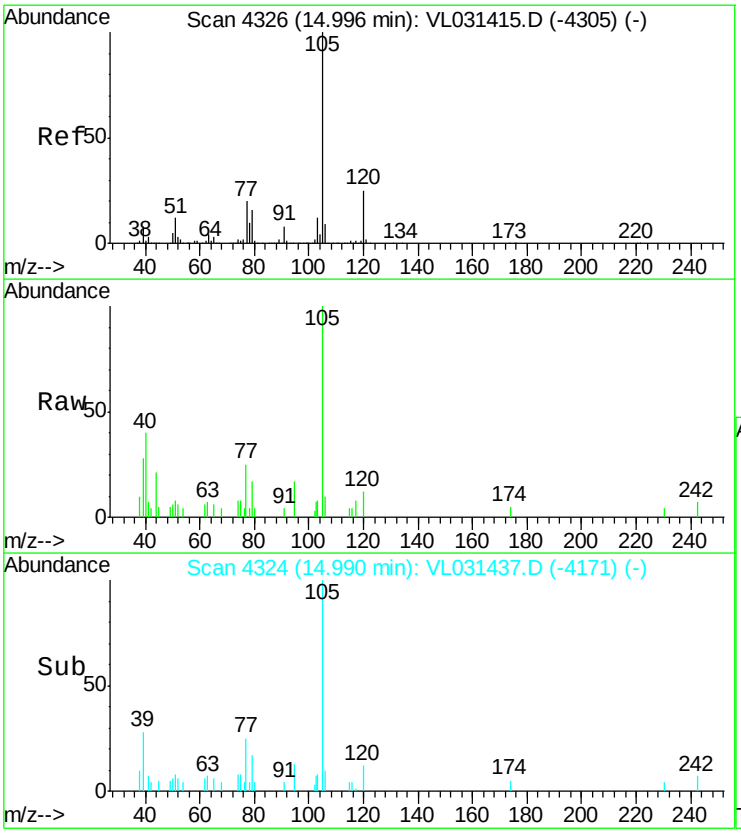
#61
Styrene
Concen: 0.00 ppbv
RT: 13.85 min Scan# 3971
Delta R.T. -0.00 min
Lab File: VL031437.D
Acq: 23 Jan 2018 4:28

Instrument : MSVOA_L
ClientSampleId : MDL-AIR-5

Tgt Ion:104 Resp: 148

Ion	Ratio	Lower	Upper
104	100		
78	0.0	45.4	68.0#
103	548.6	38.6	57.8#

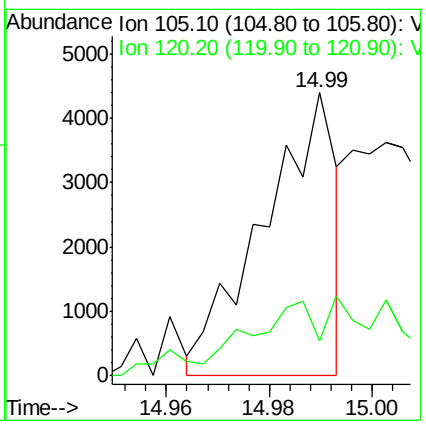


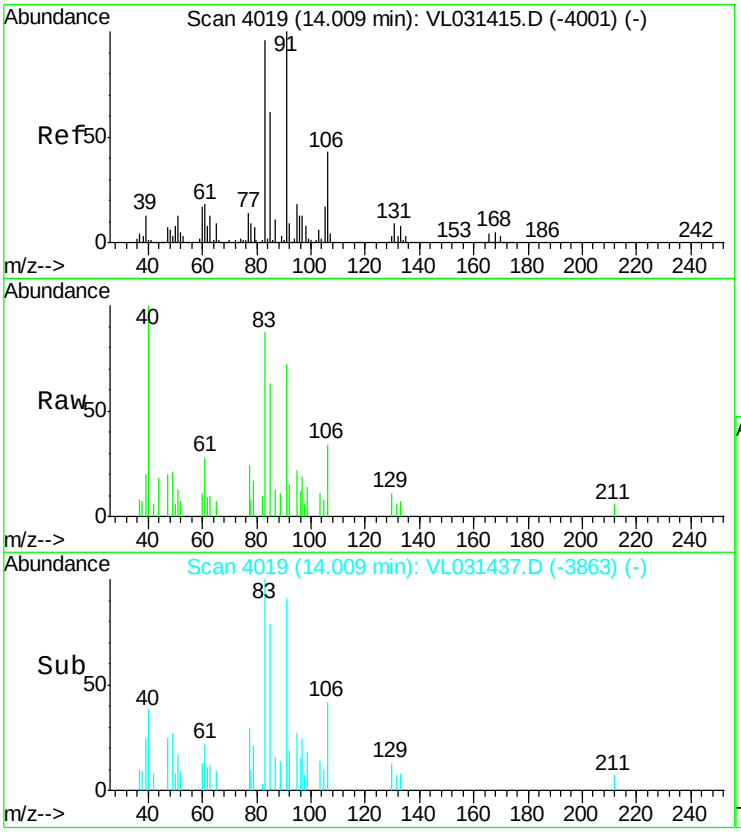


#62
Isopropylbenzene
Concen: 0.01 ppbv
RT: 14.99 min Scan# 4324
Delta R.T. -0.01 min
Lab File: VL031437.D
Acq: 23 Jan 2018 4:28

Tgt Ion:105 Resp: 4282

Ion	Ratio	Lower	Upper
105	100		
120	55.8	19.9	29.9#



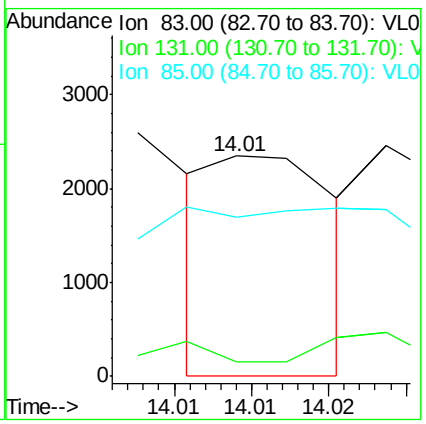


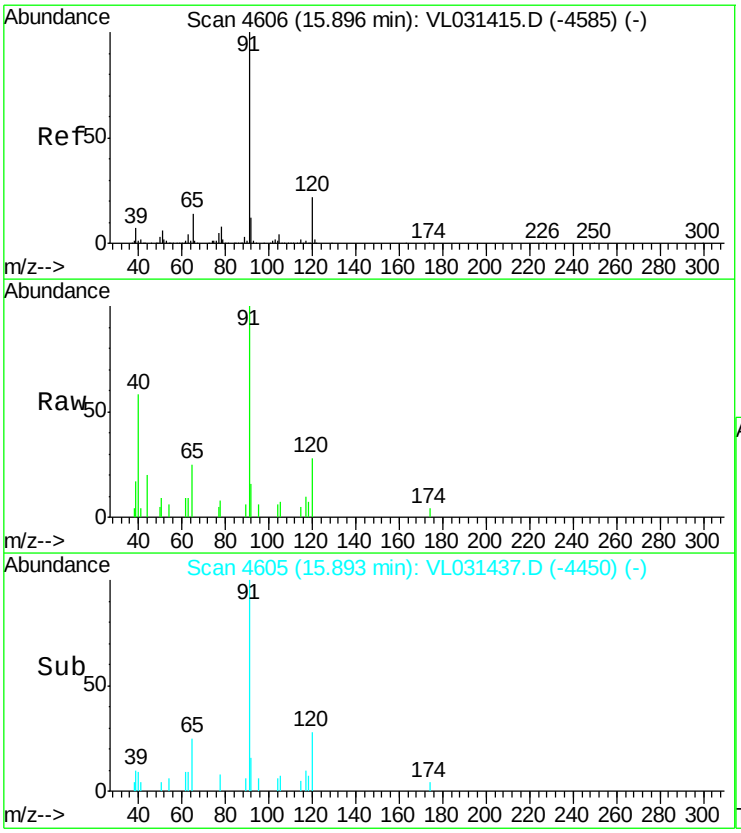
#63
1,1,2,2-Tetrachloroethane
Concen: 0.01 ppbv
RT: 14.01 min Scan# 4019
Delta R.T. 0.00 min
Lab File: VL031437.D
Acq: 23 Jan 2018 4:28

Instrument : MSVOA_L
ClientSampleId : MDL-AIR-5

Tgt Ion: 83 Resp: 1268

Ion	Ratio	Lower	Upper
83	100		
131	0.0	4.8	14.3#
85	353.9	32.4	97.0#

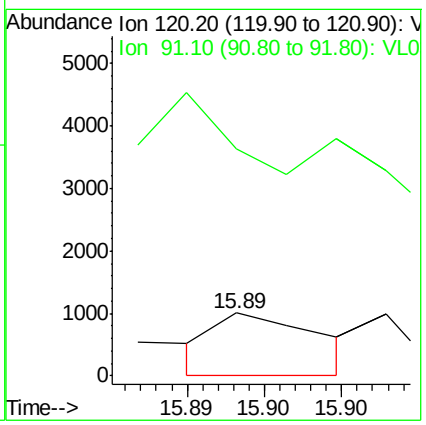


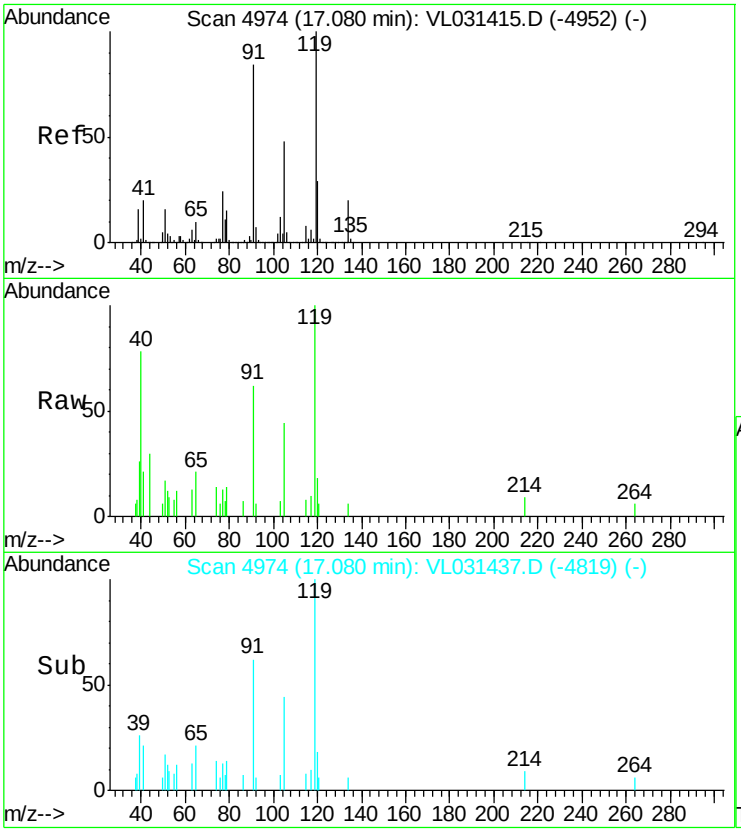


#64
n-propylbenzene
Concen: 0.00 ppbv
RT: 15.89 min Scan# 4605
Delta R.T. -0.00 min
Lab File: VL031437.D
Acq: 23 Jan 2018 4:28

Tgt Ion:120 Resp: 473

Ion	Ratio	Lower	Upper
120	100		
91	1997.9	389.8	584.6#



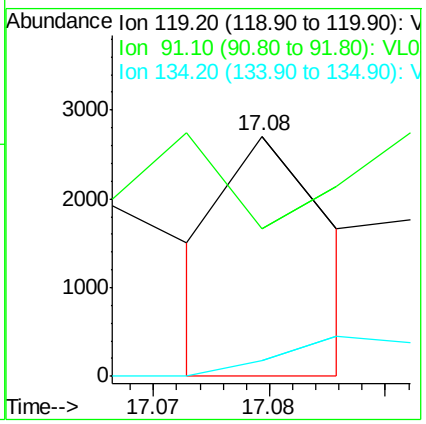


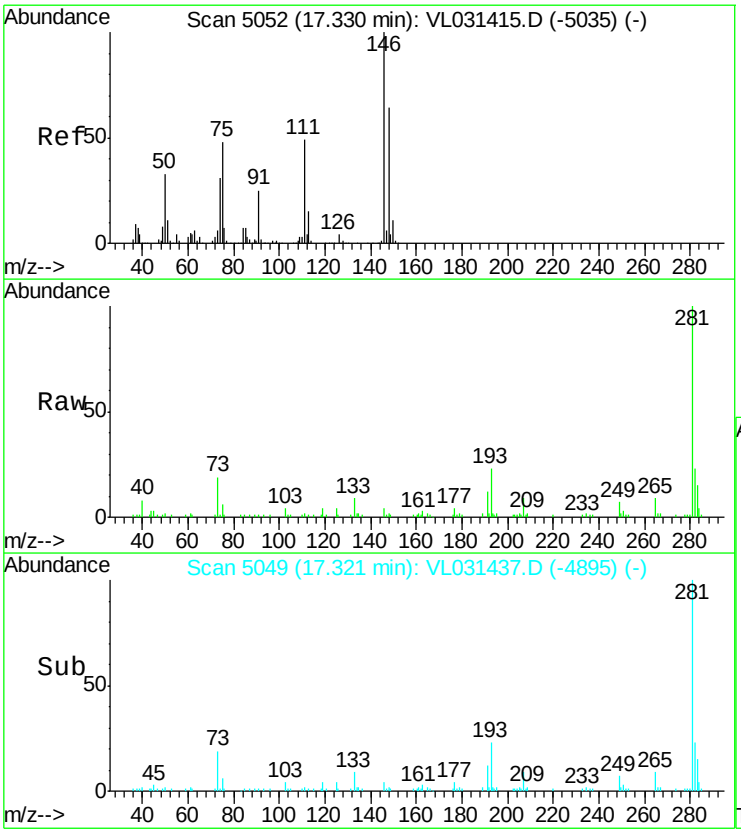
#65
tert-Butylbenzene
Concen: 0.00 ppbv
RT: 17.08 min Scan# 4974
Delta R.T. -0.00 min
Lab File: VL031437.D
Acq: 23 Jan 2018 4:28

Instrument :
MSVOA_L
ClientSampleId :
MDL-AIR-5

Tgt Ion:119 Resp: 842

Ion	Ratio	Lower	Upper
119	100		
91	0.0	69.0	103.6#
134	0.0	15.7	23.5#

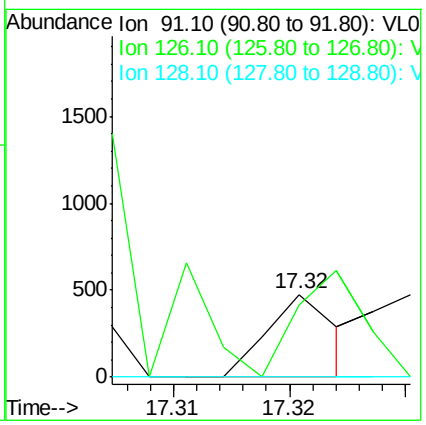


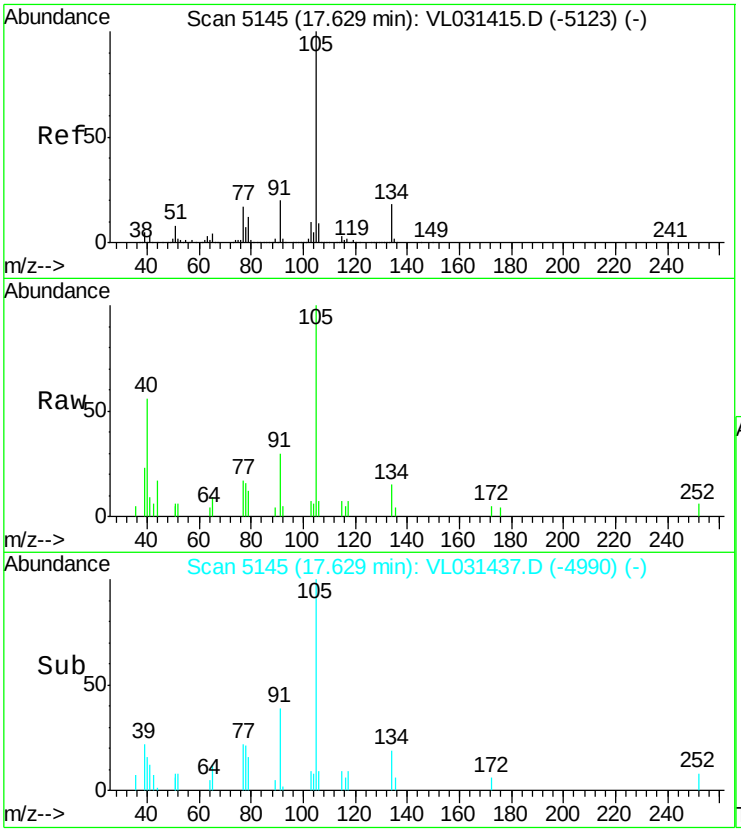


#66
Benzyl Chloride
Concen: 0.01 ppbv
RT: 17.32 min Scan# 5049
Delta R.T. -0.01 min
Lab File: VL031437.D
Acq: 23 Jan 2018 4:28

Tgt Ion: 91 Resp: 191

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



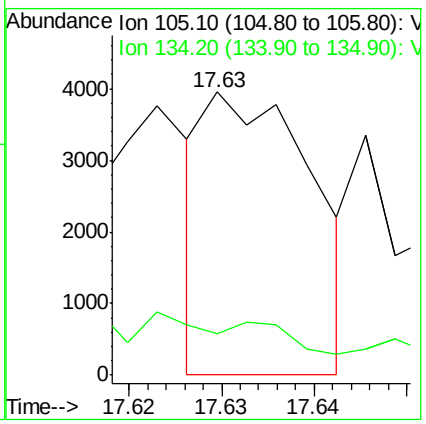


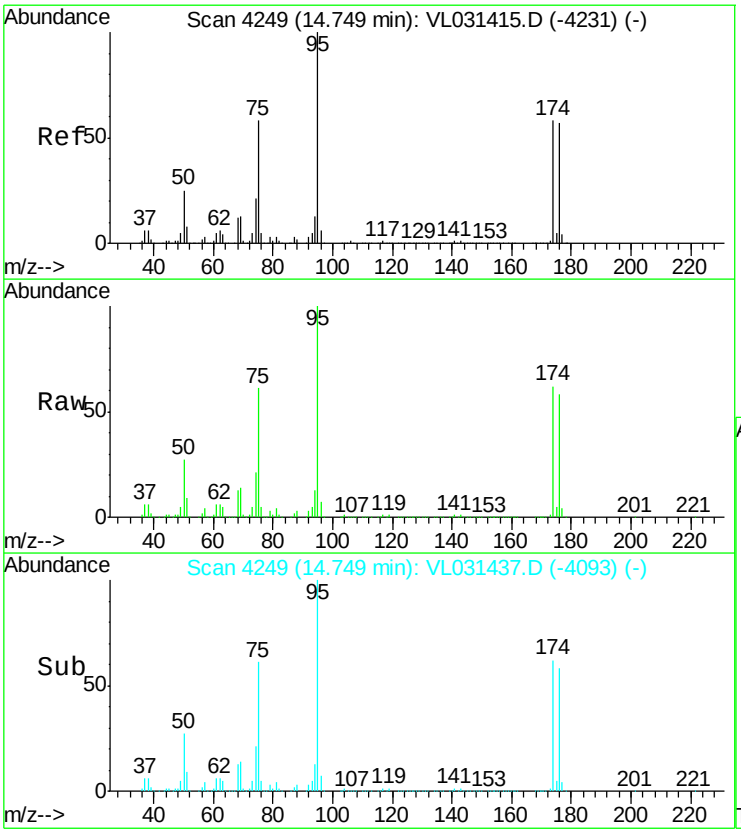
#67
sec-Butylbenzene
Concen: 0.01 ppbv
RT: 17.63 min Scan# 5145
Delta R.T. -0.00 min
Lab File: VL031437.D
Acq: 23 Jan 2018 4:28

Instrument :
MSVOA_L
ClientSampleId :
MDL-AIR-5

Tgt Ion:105 Resp: 3160

Ion	Ratio	Lower	Upper
105	100		
134	0.0	14.5	21.7#

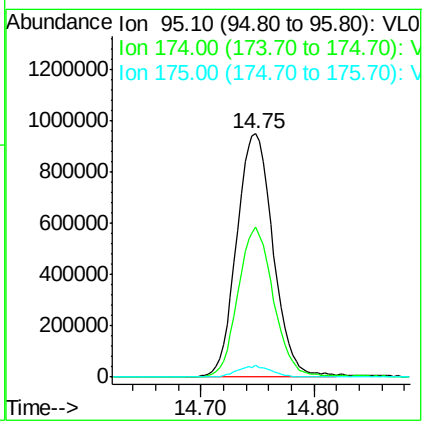


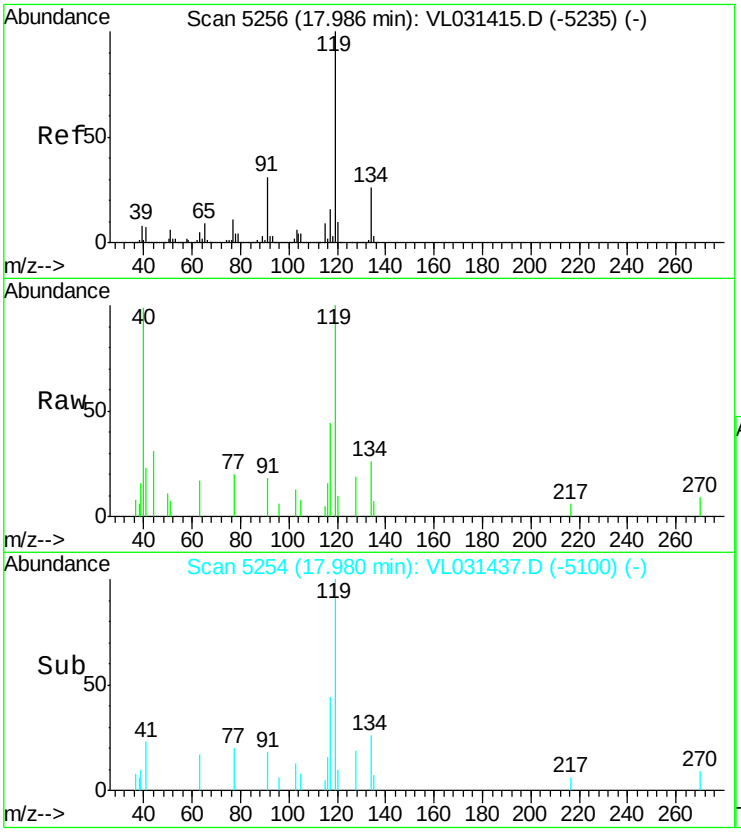


#68
1-Bromo-4-Fluorobenzene
Concen: 10.26 ppbv
RT: 14.75 min Scan# 4249
Delta R.T. 0.00 min
Lab File: VL031437.D
Acq: 23 Jan 2018 4:28

Tgt Ion: 95 Resp: 2130221

Ion	Ratio	Lower	Upper
95	100		
174	60.8	48.2	72.4
175	4.4	3.6	5.4



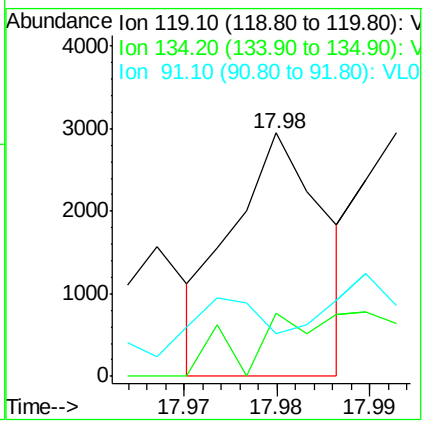


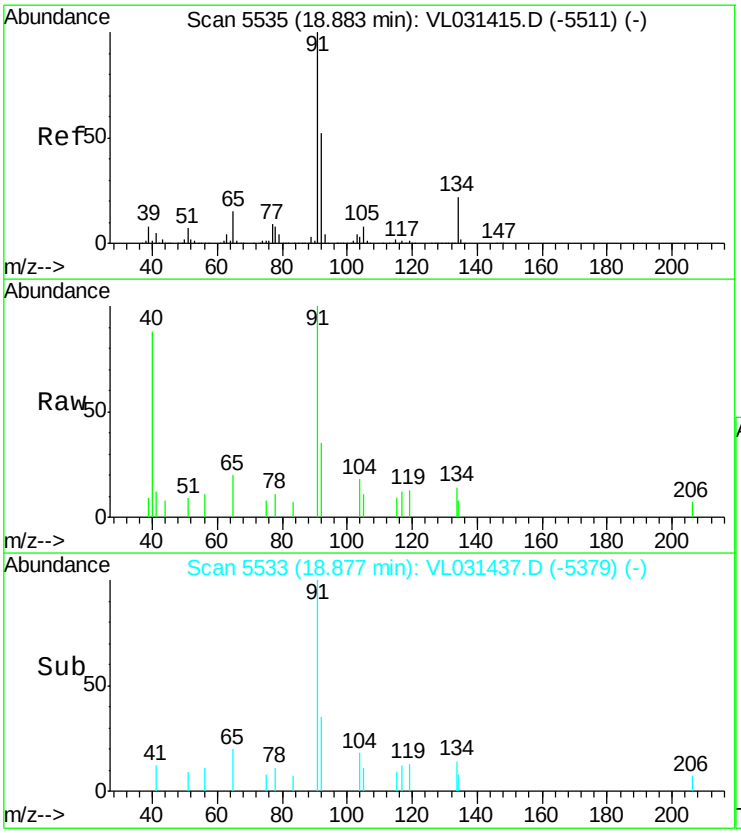
#69
p-Isopropyltoluene
Concen: 0.01 ppbv
RT: 17.98 min Scan# 5254
Delta R.T. -0.01 min
Lab File: VL031437.D
Acq: 23 Jan 2018 4:28

Instrument : MSVOA_L
ClientSampleId : MDL-AIR-5

Tgt Ion:119 Resp: 2042

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

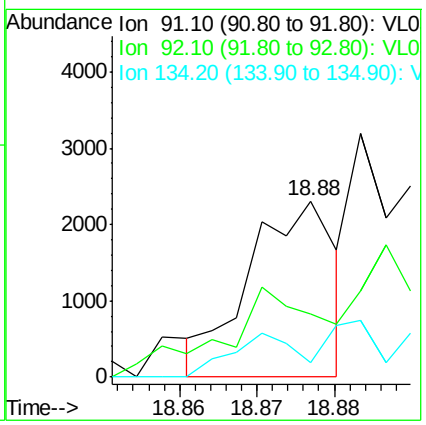


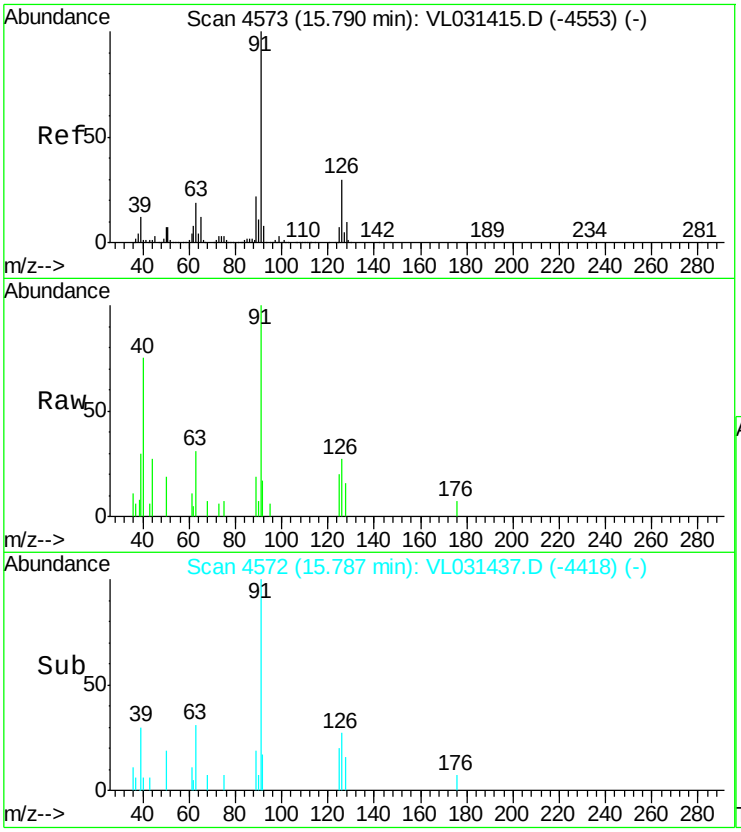


#70
n-Butylbenzene
Concen: 0.00 ppbv
RT: 18.88 min Scan# 5533
Delta R.T. -0.01 min
Lab File: VL031437.D
Acq: 23 Jan 2018 4:28

Tgt Ion: 91 Resp: 1785

Ion	Ratio	Lower	Upper
91	100		
92	0.0	42.2	63.4#
134	0.0	17.4	26.2#



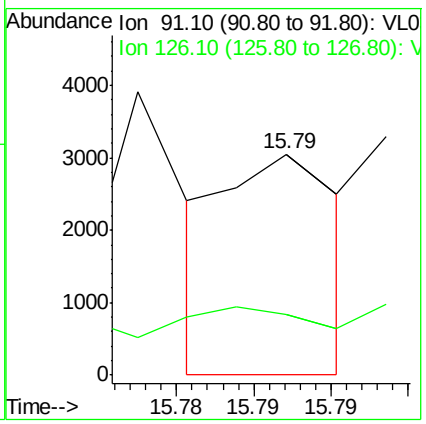


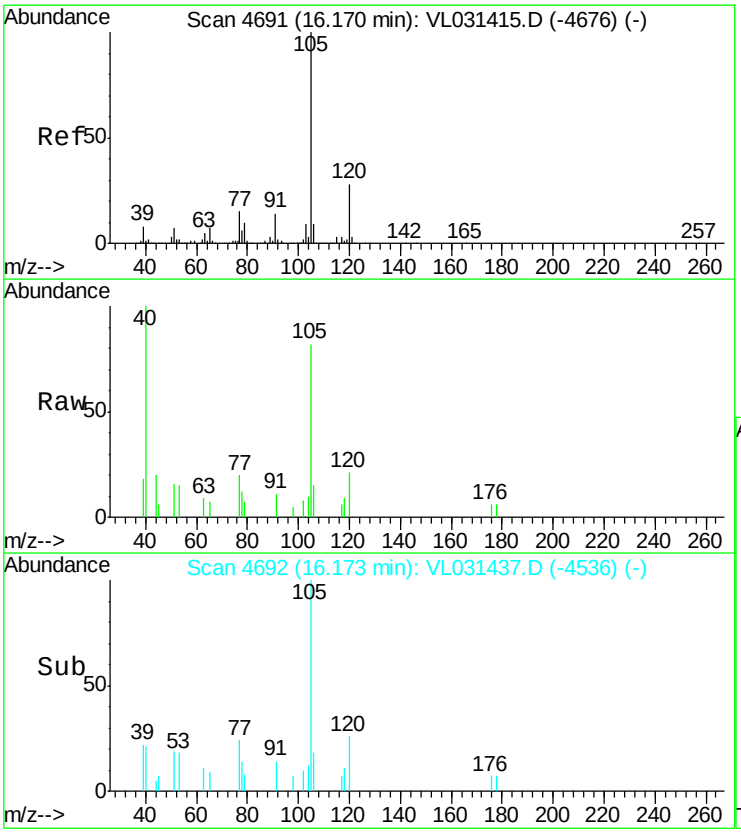
#71
2-Chlorotoluene
Concen: 0.01 ppbv
RT: 15.79 min Scan# 4572
Delta R.T. -0.01 min
Lab File: VL031437.D
Acq: 23 Jan 2018 4:28

Instrument : MSVOA_L
ClientSampleId : MDL-AIR-5

Tgt Ion: 91 Resp: 1569

Ion	Ratio	Lower	Upper
91	100		
126	0.0	11.7	46.9#

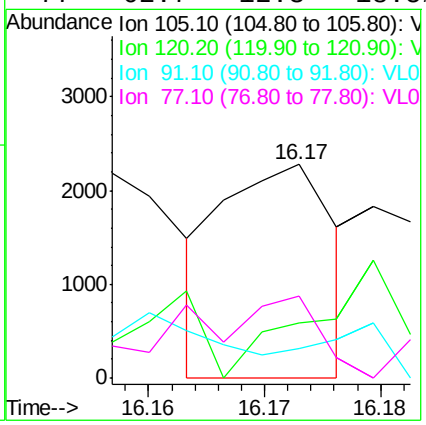


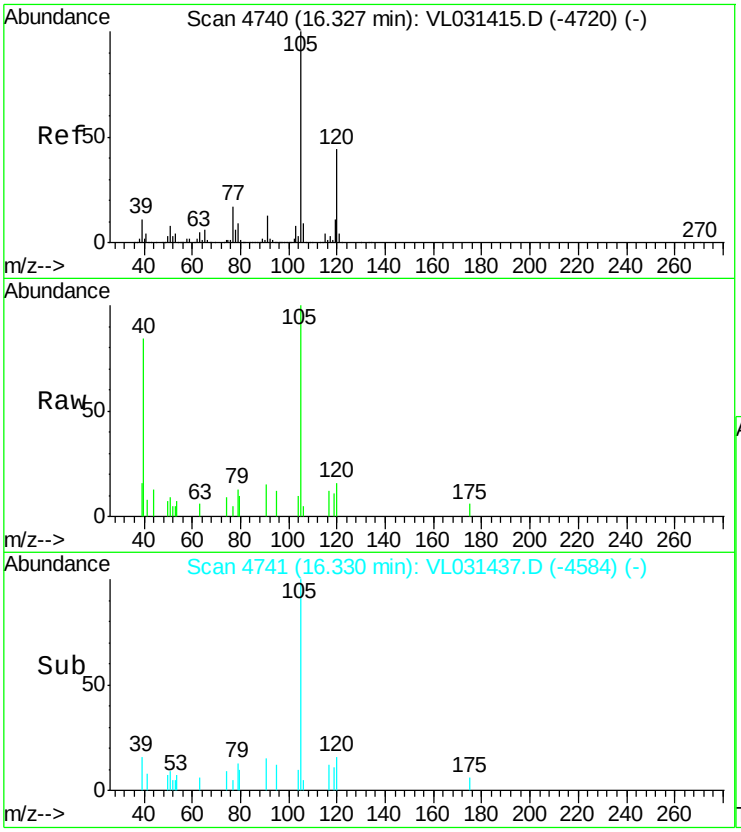


#72
4-Ethyltoluene
Concen: 0.00 ppbv
RT: 16.17 min Scan# 4692
Delta R.T. 0.00 min
Lab File: VL031437.D
Acq: 23 Jan 2018 4:28

Tgt Ion:105 Resp: 1520

Ion	Ratio	Lower	Upper
105	100		
120	0.0	23.0	34.6#
91	0.0	11.0	16.4#
77	62.7	12.3	18.5#



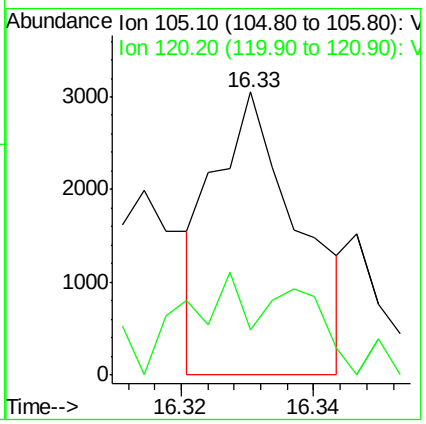


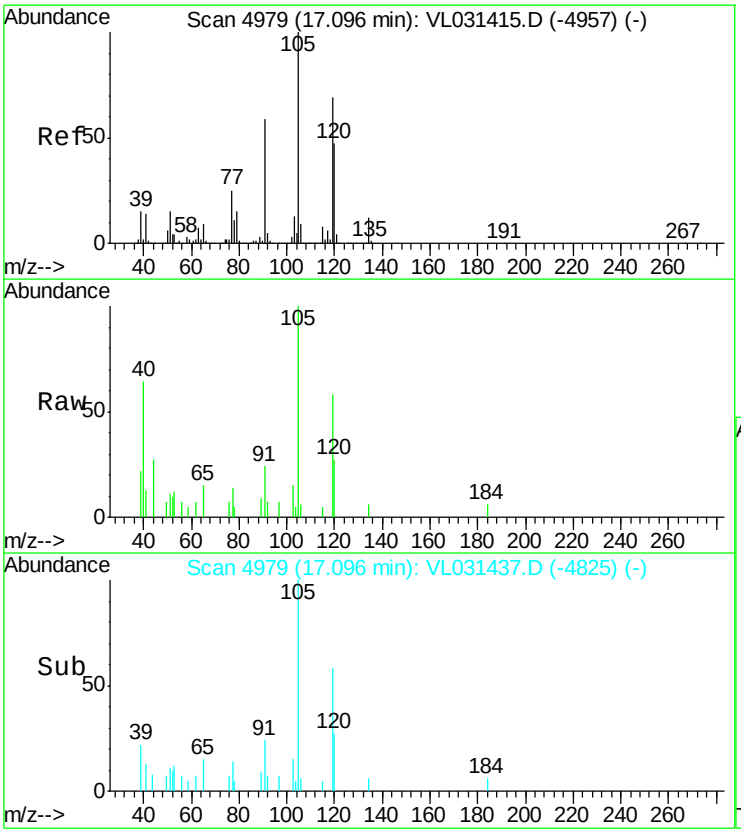
#73
1,3,5-Trimethylbenzene
Concen: 0.01 ppbv
RT: 16.33 min Scan# 4741
Delta R.T. 0.00 min
Lab File: VL031437.D
Acq: 23 Jan 2018 4:28

Instrument :
MSVOA_L
ClientSampleId :
MDL-AIR-5

Tgt Ion:105 Resp: 2707

Ion	Ratio	Lower	Upper
105	100		
120	10.3	35.8	53.6#

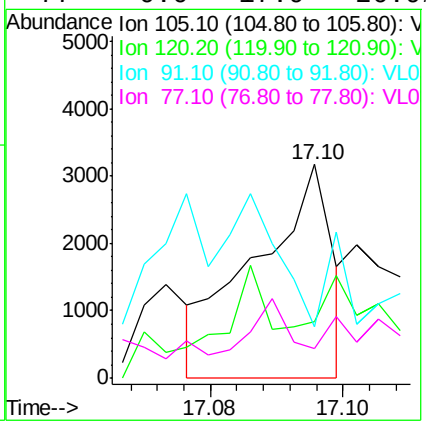


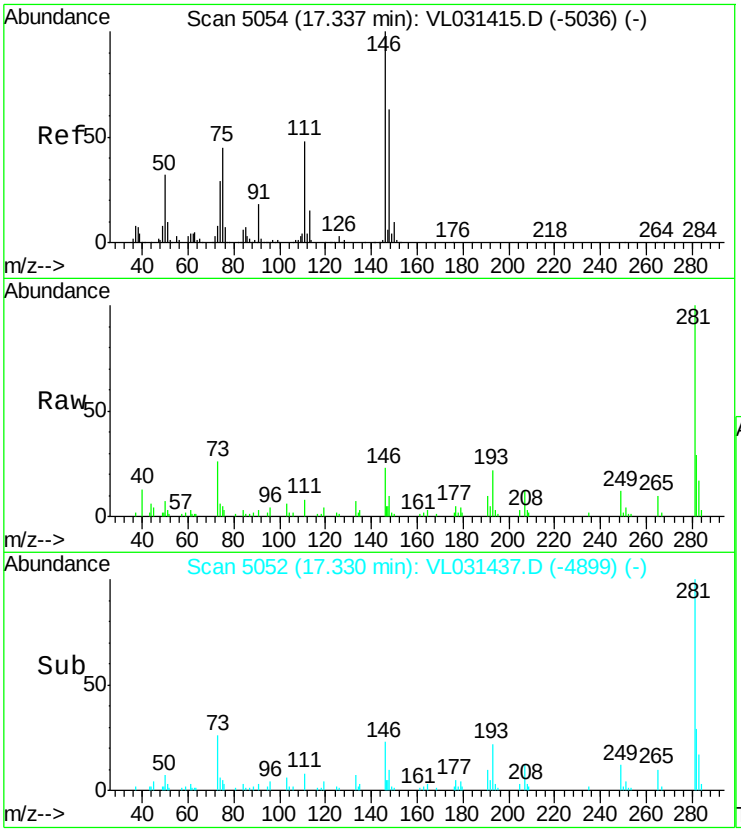


#74
1,2,4-Trimethylbenzene
Concen: 0.01 ppbv
RT: 17.10 min Scan# 4979
Delta R.T. -0.01 min
Lab File: VL031437.D
Acq: 23 Jan 2018 4:28

Tgt Ion:105 Resp: 2561

Ion	Ratio	Lower	Upper
105	100		
120	17.6	37.0	55.6#
91	0.0	35.1	52.7#
77	0.0	17.9	26.9#



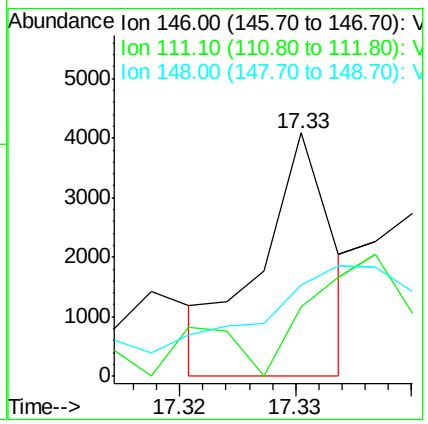


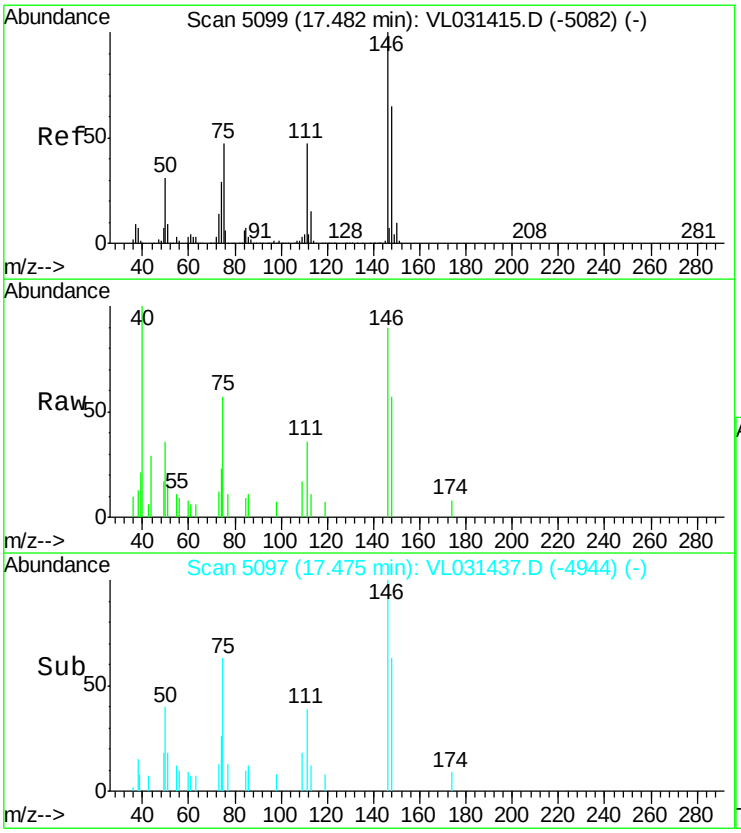
#75
1,3-Dichlorobenzene
Concen: 0.01 ppbv
RT: 17.33 min Scan# 5052
Delta R.T. -0.01 min
Lab File: VL031437.D
Acq: 23 Jan 2018 4:28

Instrument : MSVOA_L
ClientSampleId : MDL-AIR-5

Tgt Ion:146 Resp: 1766

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

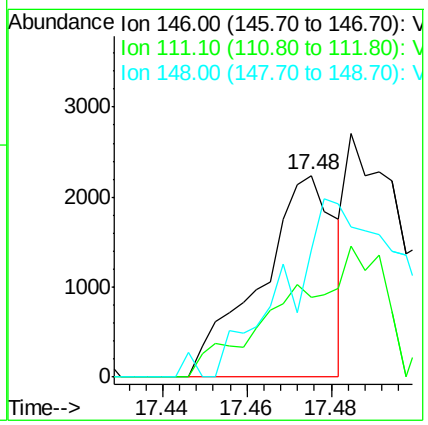


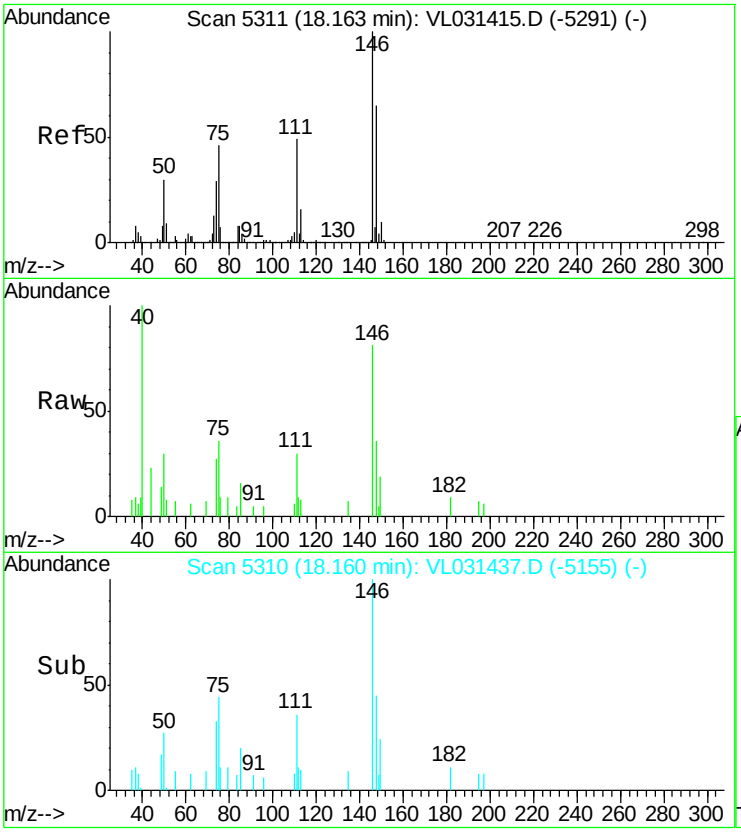


#76
1,4-Dichlorobenzene
Concen: 0.01 ppbv
RT: 17.48 min Scan# 5097
Delta R.T. -0.01 min
Lab File: VL031437.D
Acq: 23 Jan 2018 4:28

Tgt Ion:146 Resp: 2748

Ion	Ratio	Lower	Upper
146	100		
111	0.0	23.3	69.9#
148	157.0	32.4	97.2#



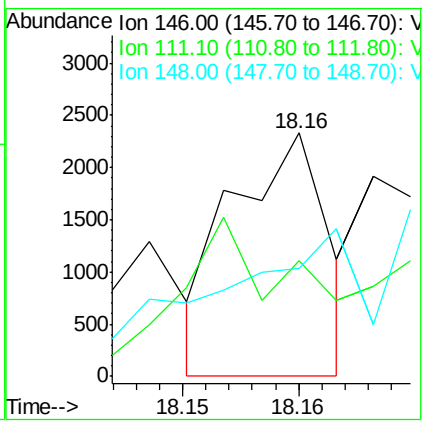


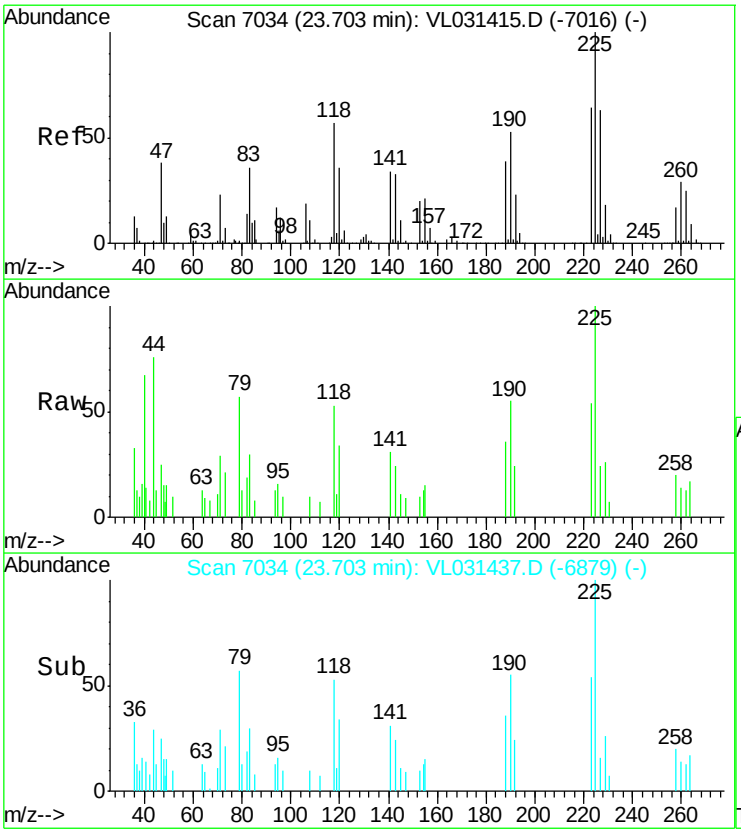
#77
1,2-Dichlorobenzene
Concen: 0.01 ppbv
RT: 18.16 min Scan# 5310
Delta R.T. -0.00 min
Lab File: VL031437.D
Acq: 23 Jan 2018 4:28

Instrument :
MSVOA_L
ClientSampleId :
MDL-AIR-5

Tgt Ion:146 Resp: 1335

Ion	Ratio	Lower	Upper
146	100		
111	224.3	24.6	74.0#
148	0.0	32.3	96.8#

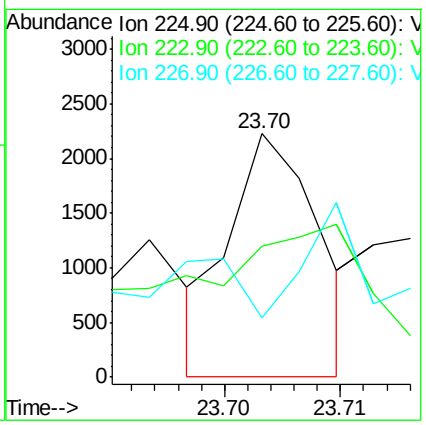


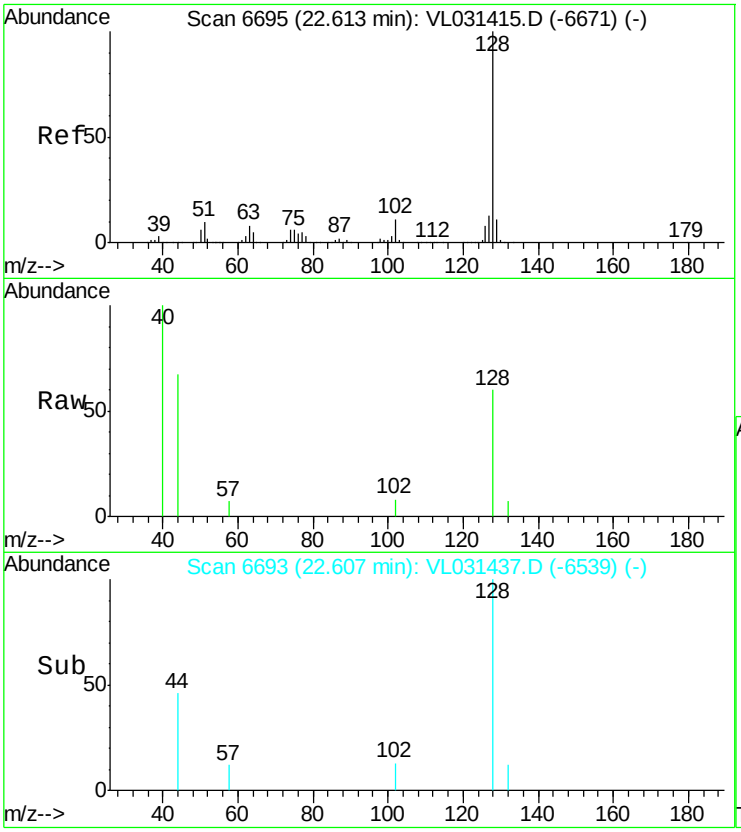


#78
Hexachloro-1,3-Butadiene
Concen: 0.02 ppbv
RT: 23.70 min Scan# 7034
Delta R.T. -0.00 min
Lab File: VL031437.D
Acq: 23 Jan 2018 4:28

Tgt Ion:225 Resp: 1179

Ion	Ratio	Lower	Upper
225	100		
223	0.0	51.3	76.9#
227	0.0	50.7	76.1#



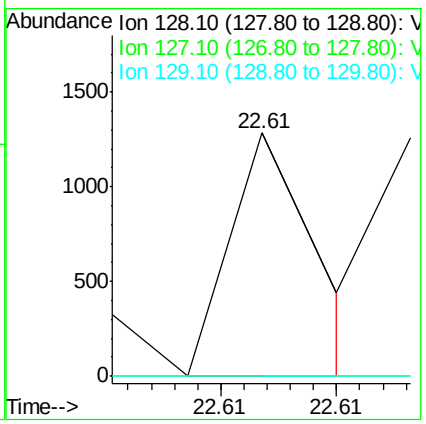


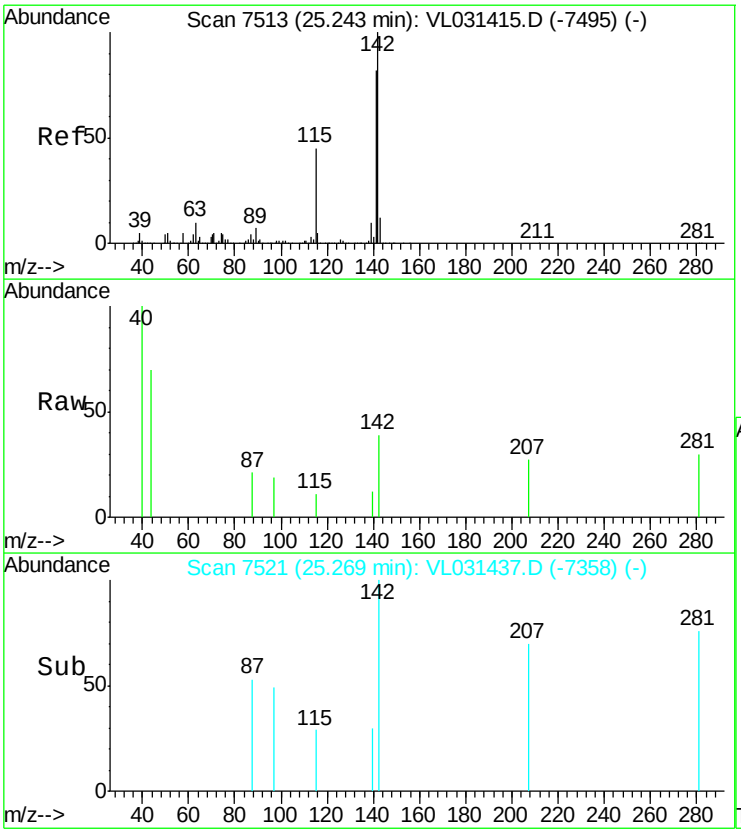
#79
Naphthalene
Concen: 0.00 ppbv
RT: 22.61 min Scan# 6693
Delta R.T. -0.01 min
Lab File: VL031437.D
Acq: 23 Jan 2018 4:28

Instrument :
MSVOA_L
ClientSampleId :
MDL-AIR-5

Tgt Ion:128 Resp: 333

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

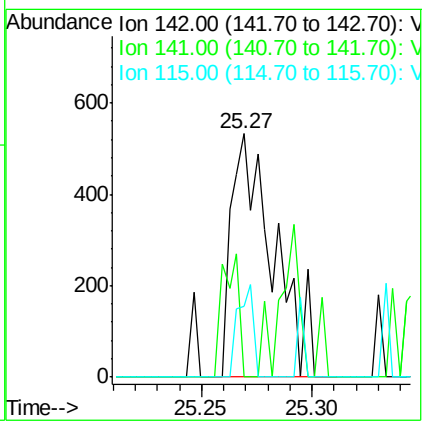


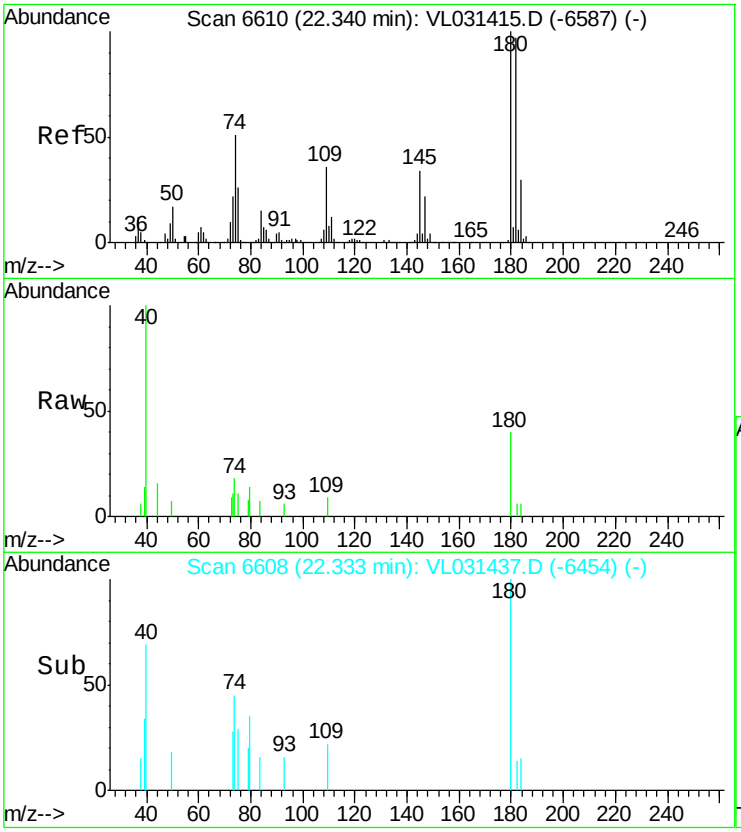


#80
Naphthalene,2-methyl-
Concen: 0.01 ppbv
RT: 25.27 min Scan# 7521
Delta R.T. 0.02 min
Lab File: VL031437.D
Acq: 23 Jan 2018 4:28

Tgt Ion:142 Resp: 741

Ion	Ratio	Lower	Upper
142	100		
141	18.5	68.7	103.1#
115	13.2	36.3	54.5#





#81
1,2,4-Trichlorobenzene
Concen: 0.01 ppbv
RT: 22.33 min Scan# 6608
Delta R.T. -0.01 min
Lab File: VL031437.D
Acq: 23 Jan 2018 4:28

Instrument :
MSVOA_L
ClientSampleId :
MDL-AIR-5

Tgt Ion:180 Resp: 689

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