Quantitation Report (Not Reviewed)

Data Path : W:\HPCHEM1\MSVOA_L\DATA\VL012218\
Data File : VL031436.D
Acq On : 23 Jan 2018 3:52
Operator : SY/AP
Sample : J1089-11
Misc : 400ml/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_L
ClientSampleId : MDL-AIR-4

Quant Time: Jan 23 06:24:45 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	1212045	10.00	ppbv		0.00
33) 1,4-Difluorobenzene	7.45	114	2651549	10.00	ppbv		0.00
55) Chlorobenzene-d5	12.41	117	2603116	10.00	ppbv		0.00
System Monitoring Compounds							
68) 1-Bromo-4-Fluorobenzene	14.75	95	2115439	10.15	ppbv		0.00
Spiked Amount 10.000	Range 65 - 135		Recovery = 101.50%				
Target Compounds							Qvalue
2) Dichlorodifluoromethane	3.18	85	9410	0.05	ppbv	#	88
3) Chlorodifluoromethane	3.11	51	5445	0.03	ppbv	#	79
4) Chloromethane	3.26	50	413	0.01	ppbv		95
5) Vinyl Chloride	3.40	62	2234	0.03	ppbv	#	65
6) Bromomethane	3.63	94	792	0.02	ppbv	#	57
7) Chloroethane	3.71	64	511	0.02	ppbv	#	42
8) Dichlorotetrafluoroethane	3.32	85	6075	0.03	ppbv		89
9) Propene	3.13	41	2465	0.04	ppbv	#	81
10) Heptane	8.40	43	1477	0.01	ppbv	#	28
11) Trichlorofluoromethane	4.13	101	8119	0.04	ppbv		89
12) 1,1,2-Trichlorotrifluoroet	4.68	101	5151	0.04	ppbv		100
13) Ethanol	3.79	45	525	0.03	ppbv		66
14) Bromoethene	3.90	108	799	0.01	ppbv	#	7
15) Acetone	4.03	43	196	0.00	ppbv	#	51
16) 1,3-Butadiene	3.47	39	804	0.01	ppbv	#	7
17) tert-Butyl alcohol	4.48	59	107	0.00	ppbv	#	71
18) 1,1-Dichloroethene	4.47	96	426	0.01	ppbv	#	50
19) Isopropyl Alcohol	4.18	45	2309	0.02	ppbv	#	1
20) Methylene Chloride	4.54	84	3635	0.06	ppbv		97
21) Allyl Chloride	4.61	41	2310	0.02	ppbv	#	61
22) trans-1,2-Dichloroethene	5.09	96	541	0.01	ppbv	#	44
23) Vinyl Acetate	5.28	43	518	0.00	ppbv	#	75
24) 1,1-Dichloroethane	5.22	63	4969	0.03	ppbv	#	95
25) Ethyl Acetate	5.91	43	574	0.00	ppbv	#	76
26) Hexane	5.93	57	1097	0.01	ppbv	#	1
27) Carbon Disulfide	4.76	76	4422	0.03	ppbv	#	1
28) Methyl tert-Butyl Ether	5.25	73	67	0.00	ppbv	#	54
29) Chloroform	5.99	83	7476	0.03	ppbv		84
30) Cyclohexane	7.40	84	869	0.01	ppbv	#	1
31) cis-1,2-Dichloroethene	5.78	61	1688	0.01	ppbv	#	73
32) 1,1,1-Trichloroethane	6.77	97	5960	0.03	ppbv	#	82
34) 2-Butanone	5.47	43	166	0.00	ppbv	#	55
35) Carbon Tetrachloride	7.29	117	3133	0.01	ppbv		89
36) Benzene	7.16	78	5655	0.02	ppbv	#	53
37) 1,2-Dichloroethane	6.57	62	2940	0.02	ppbv	#	85
38) Trichloroethene	8.13	130	1458	0.02	ppbv	#	74
39) 1,2-Dichloropropane	7.44	63	743844	8.40	ppbv	#	22
40) 1,4-Dioxane	8.13	88	39	0.00	ppbv	#	1
41) Tetrahydrofuran	6.33	42	131	0.00	ppbv	#	38
42) Bromodichloromethane	8.08	83	3565	0.02	ppbv	#	51
43) Methyl Methacrylate	8.29	69	142	0.00	ppbv	#	1

Quantitation Report (Not Reviewed)

Data Path : W:\HPCHEM1\MSVOA_L\DATA\VL012218\
Data File : VL031436.D
Acq On : 23 Jan 2018 3:52
Operator : SY/AP
Sample : J1089-11
Misc : 400ml/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_L
ClientSampleId : MDL-AIR-4

Quant Time: Jan 23 06:24:45 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	5306	0.01	ppbv	#	44
45) t-1,3-Dichloropropene	9.58	75	990	0.01	ppbv		90
46) cis-1,3-Dichloropropene	8.99	75	561	0.00	ppbv		89
47) 1,1,2-Trichloroethane	9.78	97	1320	0.01	ppbv	#	52
48) Dibromochloromethane	10.61	129	3924	0.02	ppbv		84
49) Bromoform	13.38	173	358	0.00	ppbv	#	27
50) 4-Methyl-2-Pentanone	9.07	43	1734	0.01	ppbv	#	41
51) 2-Hexanone	10.46	43	310	0.00	ppbv	#	31
52) Tetrachloroethene	11.54	164	1116	0.01	ppbv	#	43
53) Toluene	10.11	91	3339	0.01	ppbv	#	62
54) 1,2-Dibromoethane	10.95	107	602	0.00	ppbv		92
56) 1,1,1,2-Tetrachloroethane	12.45	131	1500	0.01	ppbv	#	9
57) Chlorobenzene	12.47	112	4277	0.02	ppbv	#	70
58) Ethyl Benzene	13.32	91	1770	0.00	ppbv		98
59) m/p-Xylene	13.32	91	1770	0.01	ppbv	#	1
60) o-Xylene	14.02	91	1718	0.01	ppbv	#	33
61) Styrene	13.85	104	339	0.00	ppbv	#	1
62) Isopropylbenzene	14.99	105	5443	0.01	ppbv	#	68
63) 1,1,2,2-Tetrachloroethane	14.01	83	1556	0.01	ppbv	#	1
64) n-propylbenzene	15.89	120	551	0.01	ppbv	#	1
65) tert-Butylbenzene	17.08	119	1633	0.00	ppbv	#	12
66) Benzyl Chloride	17.32	91	216	0.01	ppbv	#	66
67) sec-Butylbenzene	17.63	105	4588	0.01	ppbv	#	59
69) p-Isopropyltoluene	17.99	119	3027	0.01	ppbv	#	27
70) n-Butylbenzene	18.88	91	2660	0.01	ppbv	#	43
71) 2-Chlorotoluene	15.79	91	1641	0.01	ppbv	#	45
72) 4-Ethyltoluene	16.17	105	1864	0.01	ppbv	#	55
73) 1,3,5-Trimethylbenzene	16.33	105	3102	0.01	ppbv		94
74) 1,2,4-Trimethylbenzene	17.11	105	1846	0.01	ppbv		94
75) 1,3-Dichlorobenzene	17.33	146	3078	0.01	ppbv	#	5
76) 1,4-Dichlorobenzene	17.48	146	1548	0.01	ppbv	#	1
77) 1,2-Dichlorobenzene	18.17	146	1762	0.01	ppbv	#	1
78) Hexachloro-1,3-Butadiene	23.70	225	1423	0.02	ppbv	#	1
79) Naphthalene	22.61	128	799	0.00	ppbv	#	61
80) Naphthalene,2-methyl-	25.27	142	473	0.01	ppbv	#	51
81) 1,2,4-Trichlorobenzene	22.34	180	225	0.00	ppbv	#	1

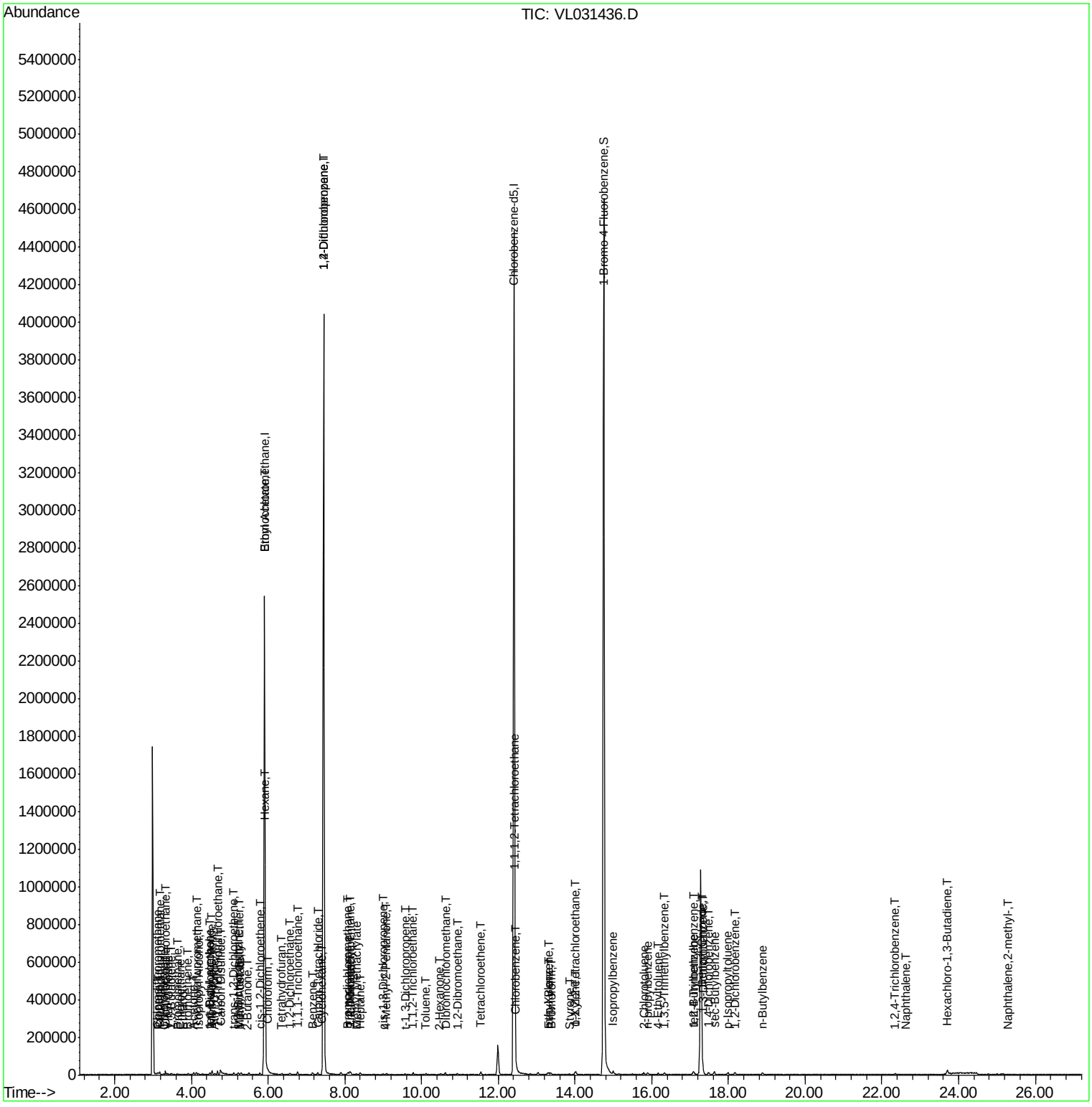
(#) = qualifier out of range (m) = manual integration (+) = signals summed

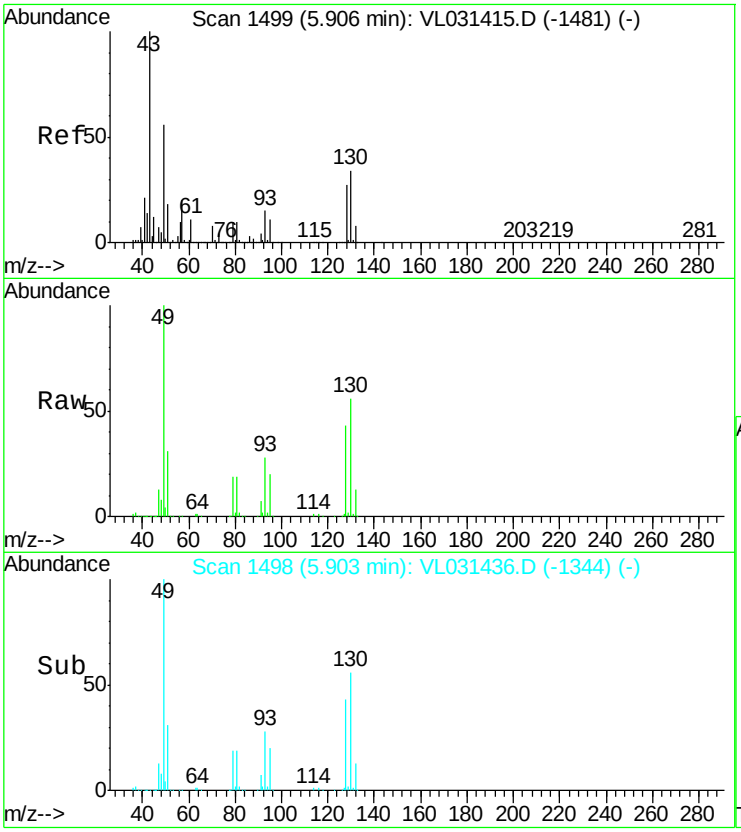
Quantitation Report (Not Reviewed)

Data Path : W:\HPCHEM1\MSVOA_L\DATA\VL012218\
Data File : VL031436.D
Acq On : 23 Jan 2018 3:52
Operator : SY/AP
Sample : J1089-11
Misc : 400ml/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_L
ClientSampleId : MDL-AIR-4

Quant Time: Jan 23 06:24:45 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



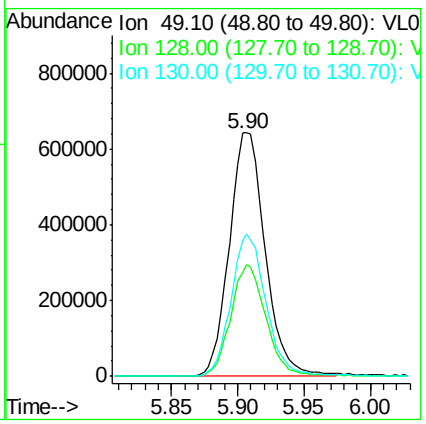


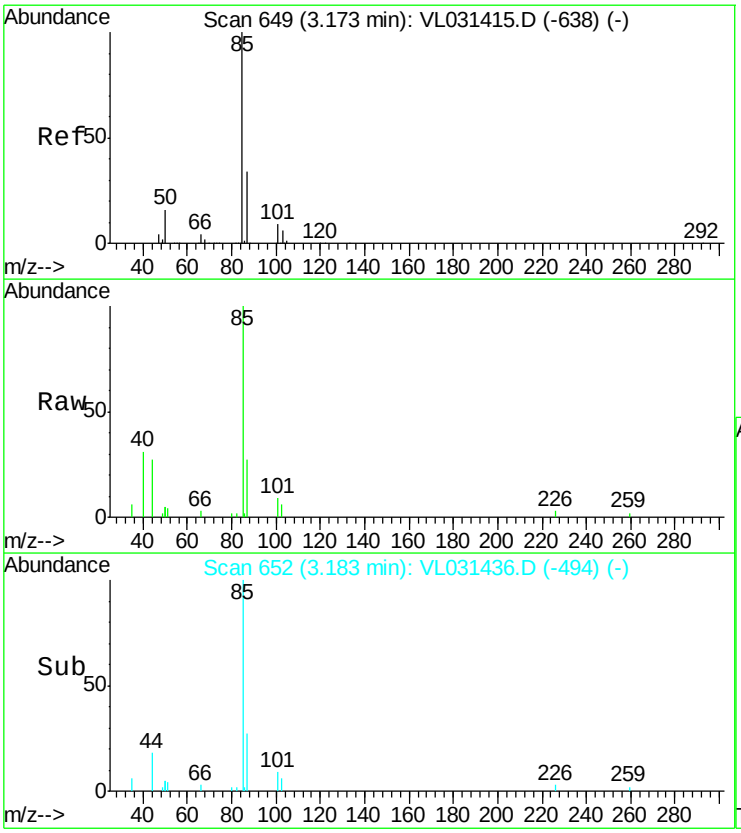
#1
Bromochloromethane
Concen: 10.00 ppbv
RT: 5.90 min Scan# 1498
Delta R.T. -0.01 min
Lab File: VL031436.D
Acq: 23 Jan 2018 3:52

Instrument :
MSVOA_L
ClientSampleId :
MDL-AIR-4

Tgt Ion: 49 Resp: 1212045

Ion	Ratio	Lower	Upper
49	100		
128	45.1	23.5	70.6
130	57.4	29.9	89.7

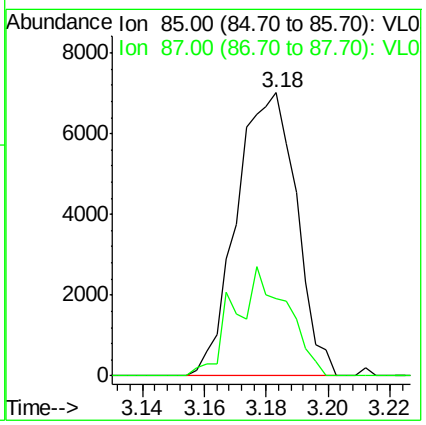


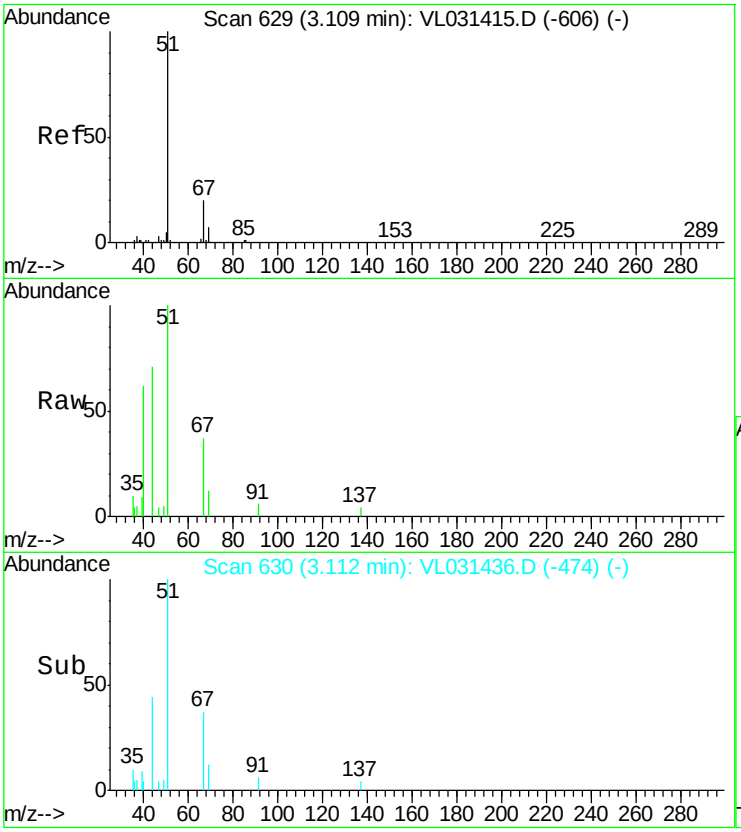


#2
Dichlorodifluoromethane
Concen: 0.05 ppbv
RT: 3.18 min Scan# 652
Delta R.T. 0.01 min
Lab File: VL031436.D
Acq: 23 Jan 2018 3:52

Tgt Ion: 85 Resp: 9410

Ion	Ratio	Lower	Upper
85	100		
87	27.2	27.4	41.0#



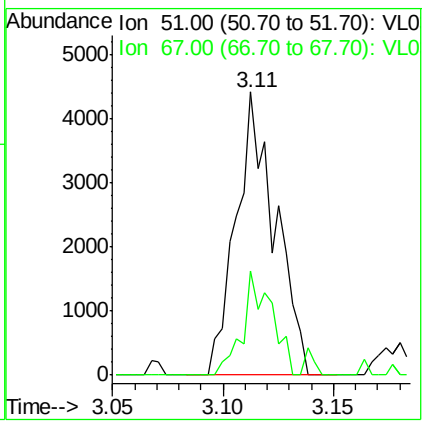


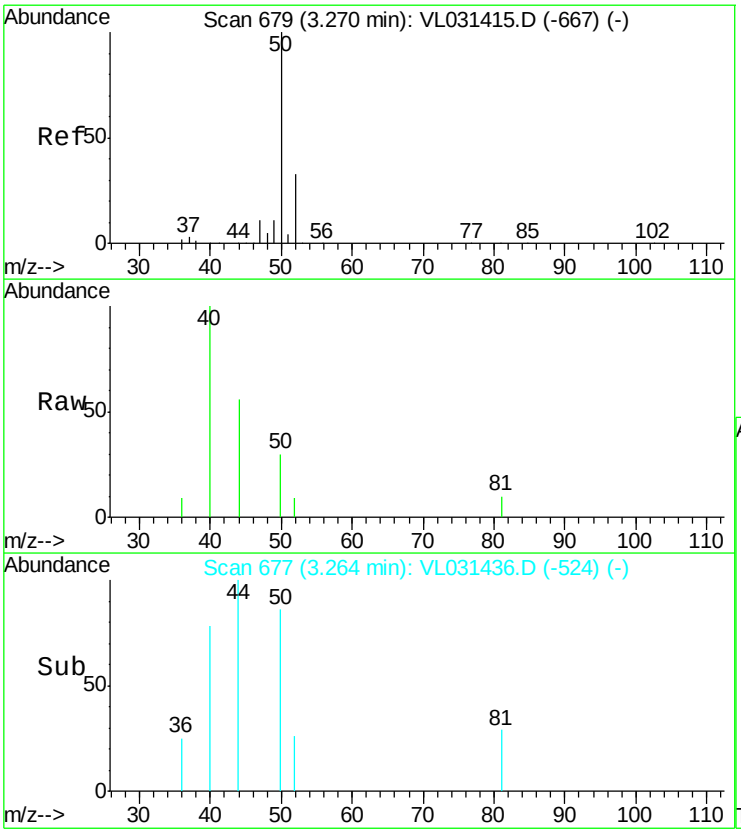
#3
Chlorodifluoromethane
Concen: 0.03 ppbv
RT: 3.11 min Scan# 630
Delta R.T. 0.00 min
Lab File: VL031436.D
Acq: 23 Jan 2018 3:52

Instrument :
MSVOA_L
ClientSampleId :
MDL-AIR-4

Tgt Ion: 51 Resp: 5445

Ion	Ratio	Lower	Upper
51	100		
67	29.6	16.0	24.0#

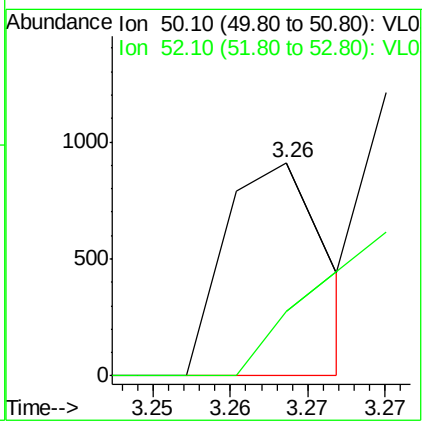


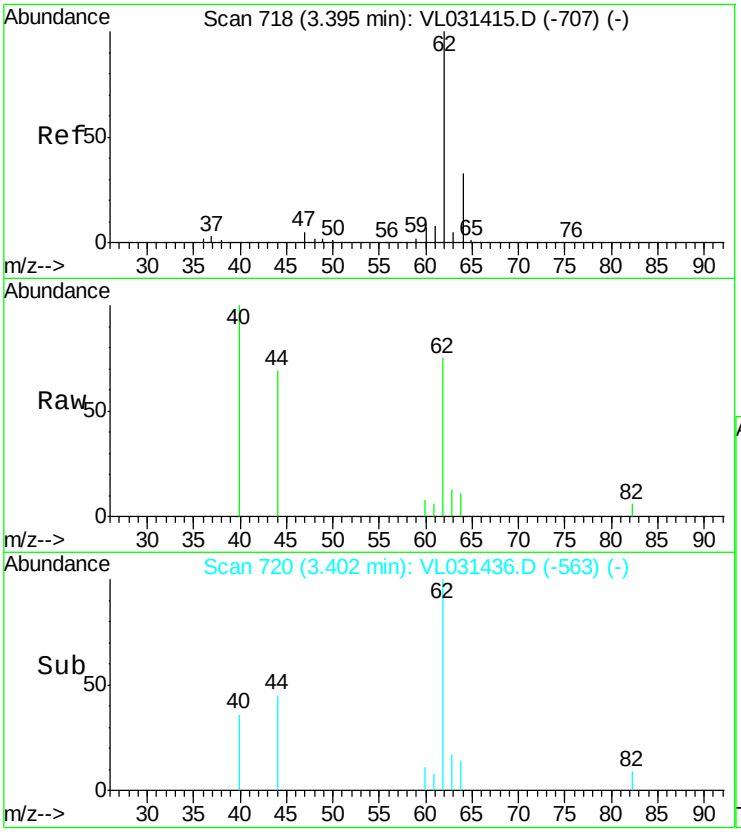


#4
Chloromethane
Concen: 0.01 ppbv
RT: 3.26 min Scan# 677
Delta R.T. -0.01 min
Lab File: VL031436.D
Acq: 23 Jan 2018 3:52

Tgt Ion: 50 Resp: 413

Ion	Ratio	Lower	Upper
50	100		
52	30.4	26.4	39.6



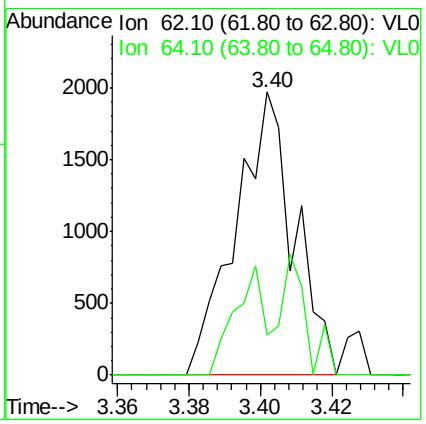


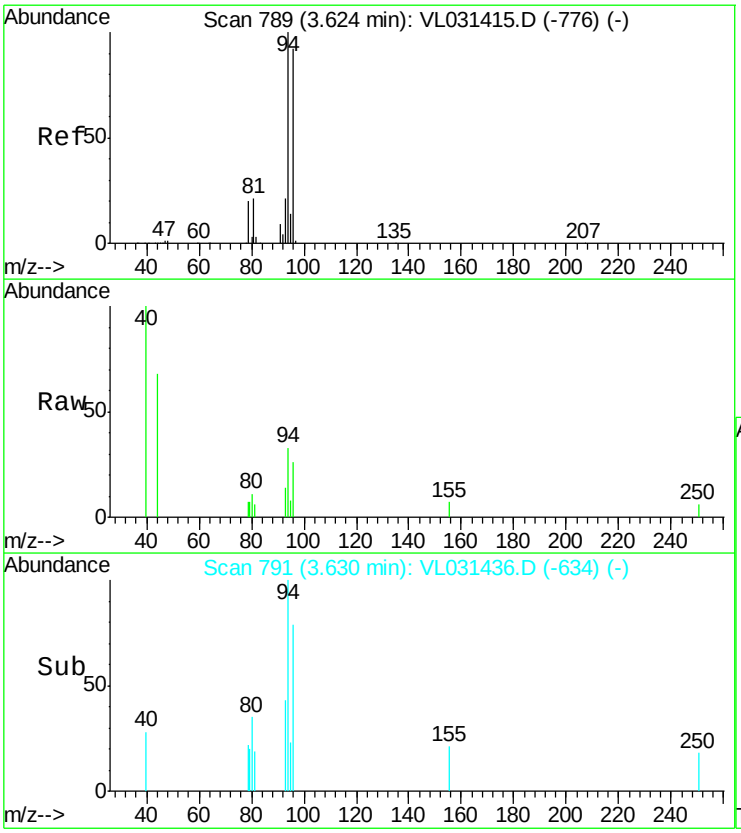
#5
Vinyl Chloride
Concen: 0.03 ppbv
RT: 3.40 min Scan# 720
Delta R.T. 0.00 min
Lab File: VL031436.D
Acq: 23 Jan 2018 3:52

Instrument :
MSVOA_L
ClientSampleId :
MDL-AIR-4

Tgt Ion: 62 Resp: 2234

Ion	Ratio	Lower	Upper
62	100		
64	12.1	25.4	38.0#

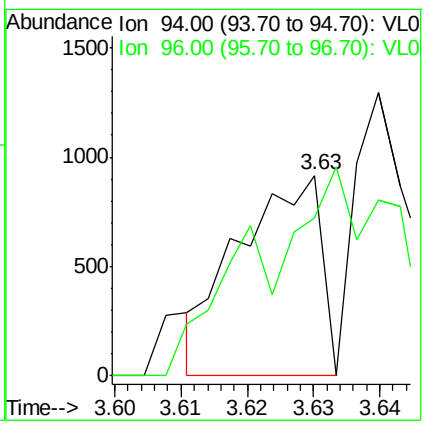


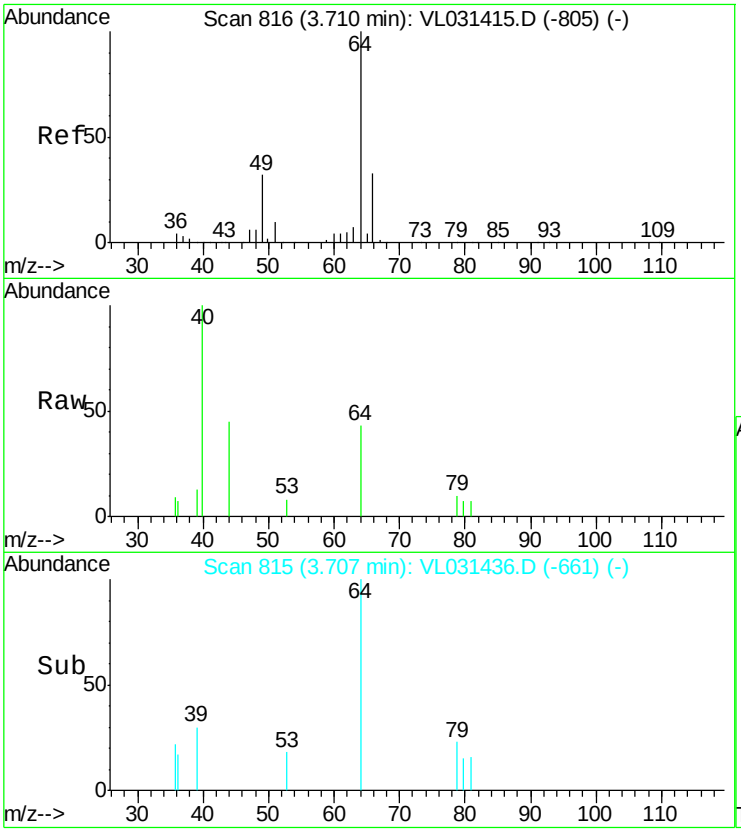


#6
Bromomethane
Concen: 0.02 ppbv
RT: 3.63 min Scan# 791
Delta R.T. 0.00 min
Lab File: VL031436.D
Acq: 23 Jan 2018 3:52

Tgt Ion: 94 Resp: 792

Ion	Ratio	Lower	Upper
94	100		
96	52.9	75.1	112.7#



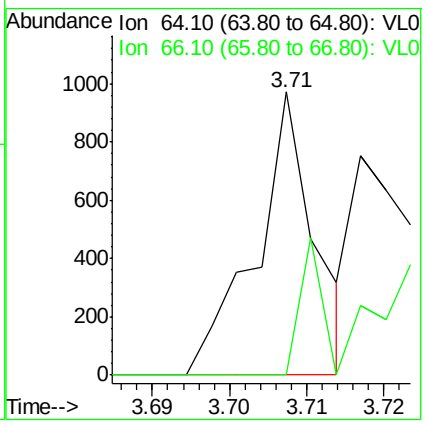


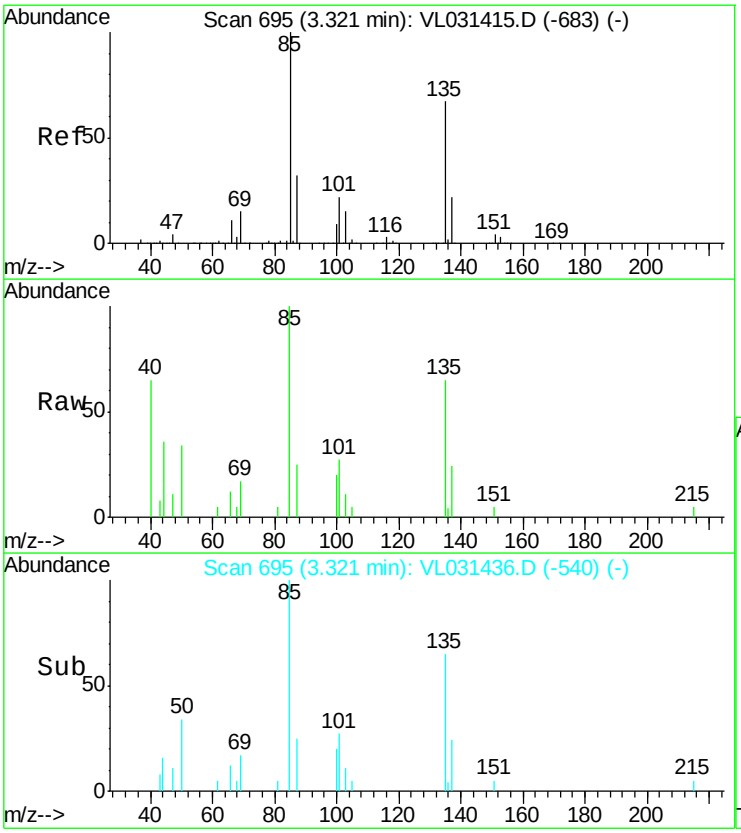
#7
Chloroethane
Concen: 0.02 ppbv
RT: 3.71 min Scan# 815
Delta R.T. -0.01 min
Lab File: VL031436.D
Acq: 23 Jan 2018 3:52

Instrument : MSVOA_L
ClientSampleId : MDL-AIR-4

Tgt Ion: 64 Resp: 511

Ion	Ratio	Lower	Upper
64	100		
66	0.0	26.3	39.5#

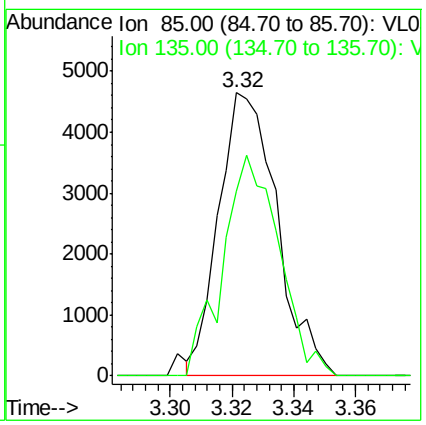


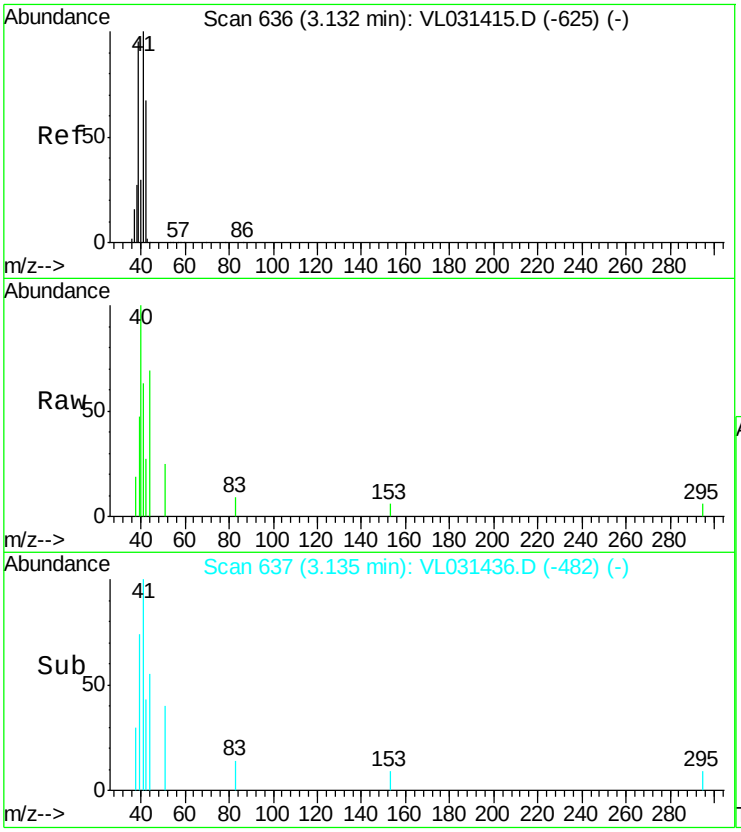


#8
Dichlorotetrafluoroethane
Concen: 0.03 ppbv
RT: 3.32 min Scan# 695
Delta R.T. -0.00 min
Lab File: VL031436.D
Acq: 23 Jan 2018 3:52

Tgt Ion: 85 Resp: 6075

Ion	Ratio	Lower	Upper
85	100		
135	75.5	53.3	79.9



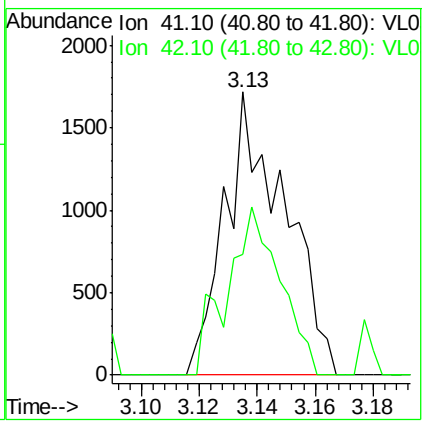


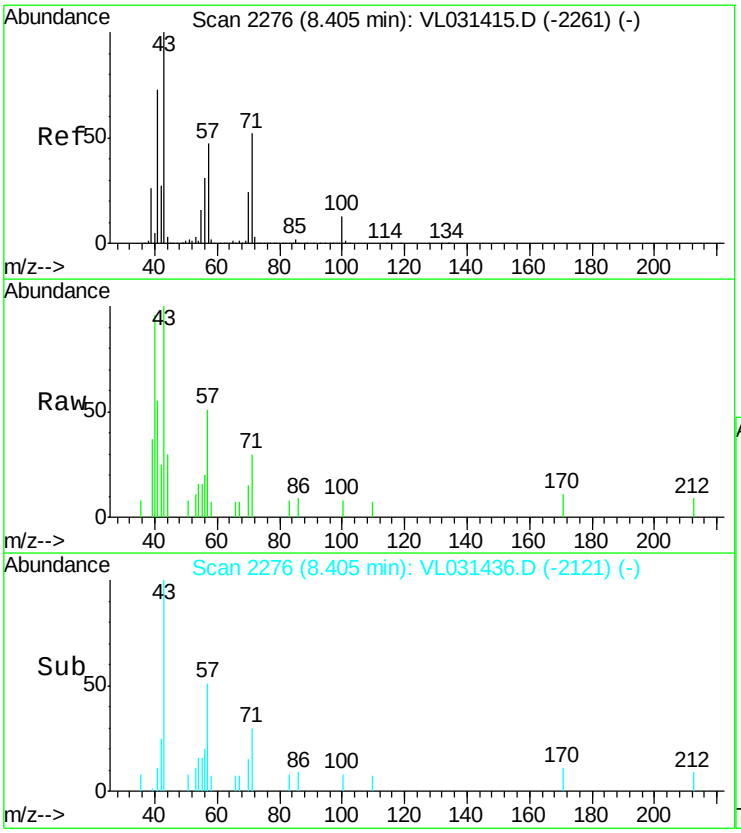
#9
Propene
Concen: 0.04 ppbv
RT: 3.13 min Scan# 637
Delta R.T. -0.00 min
Lab File: VL031436.D
Acq: 23 Jan 2018 3:52

Instrument :
MSVOA_L
ClientSampleId :
MDL-AIR-4

Tgt Ion: 41 Resp: 2465

Ion	Ratio	Lower	Upper
41	100		
42	53.0	54.6	82.0#

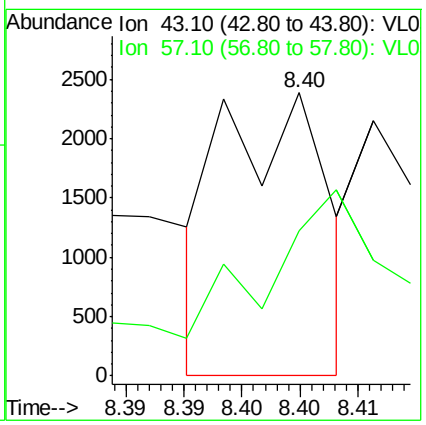


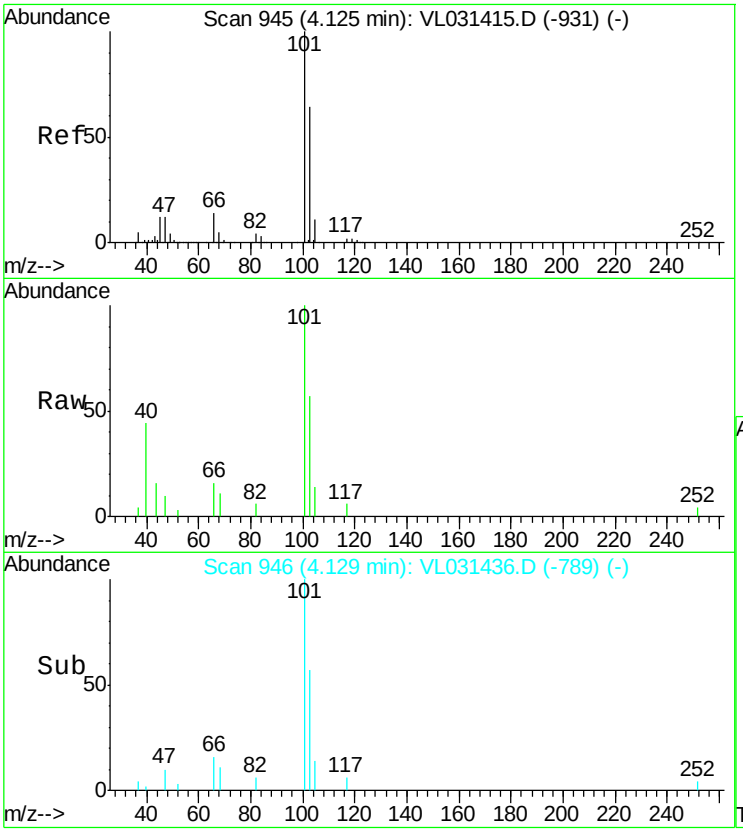


#10
Heptane
Concen: 0.01 ppbv
RT: 8.40 min Scan# 2276
Delta R.T. -0.00 min
Lab File: VL031436.D
Acq: 23 Jan 2018 3:52

Tgt Ion: 43 Resp: 1477

Ion	Ratio	Lower	Upper
43	100		
57	0.0	39.7	59.5#



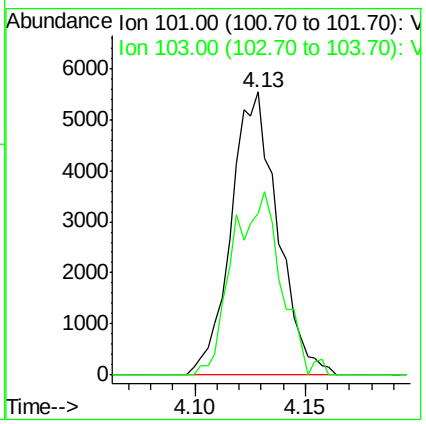


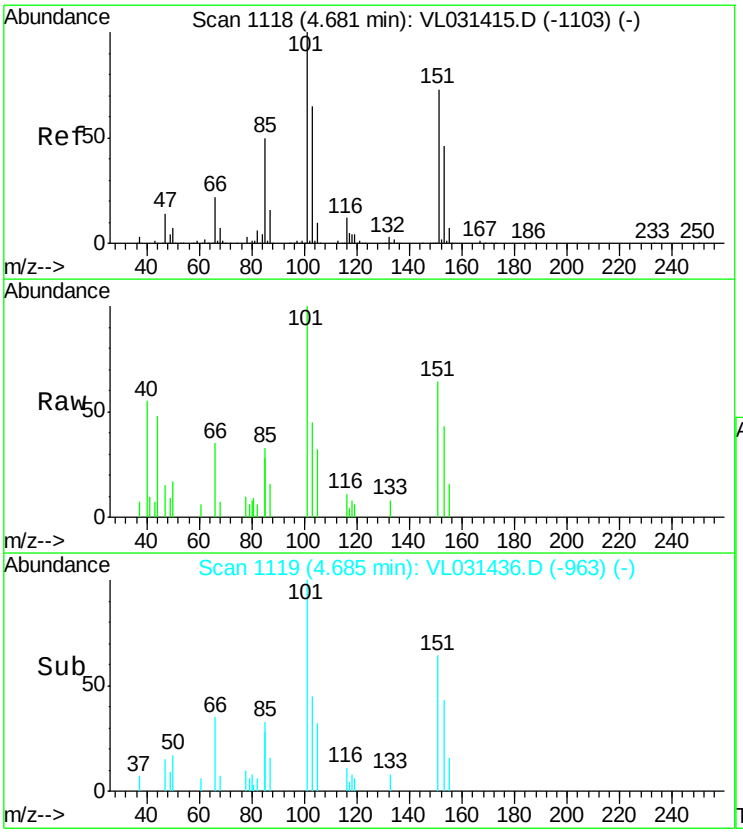
#11
Trichlorofluoromethane
Concen: 0.04 ppbv
RT: 4.13 min Scan# 946
Delta R.T. 0.00 min
Lab File: VL031436.D
Acq: 23 Jan 2018 3:52

Instrument :
MSVOA_L
ClientSampleId :
MDL-AIR-4

Tgt Ion:101 Resp: 8119

Ion	Ratio	Lower	Upper
101	100		
103	57.3	53.1	79.7

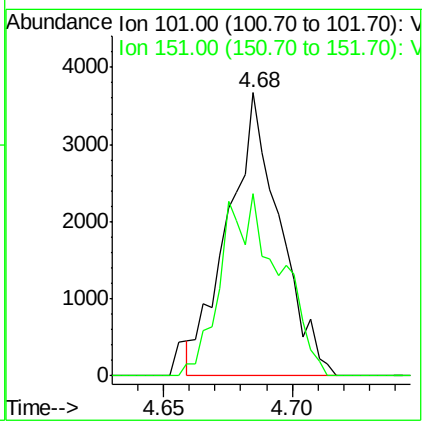


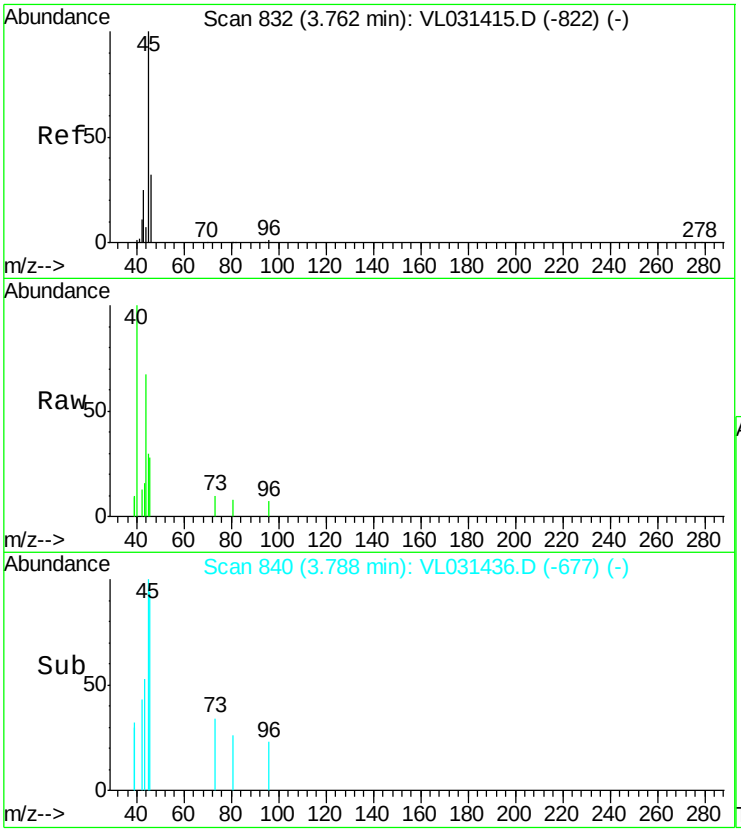


#12
1,1,2-Trichlorotrifluoroethane
Concen: 0.04 ppbv
RT: 4.68 min Scan# 1119
Delta R.T. 0.00 min
Lab File: VL031436.D
Acq: 23 Jan 2018 3:52

Tgt Ion:101 Resp: 5151

Ion	Ratio	Lower	Upper
101	100		
151	72.4	58.1	87.1



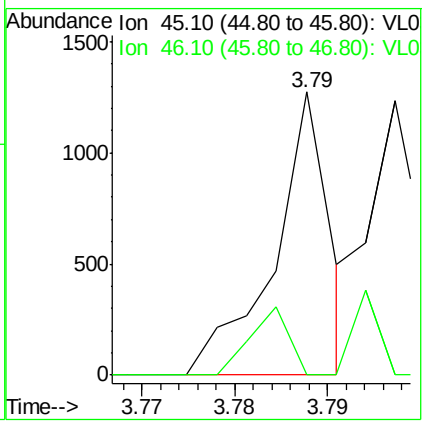


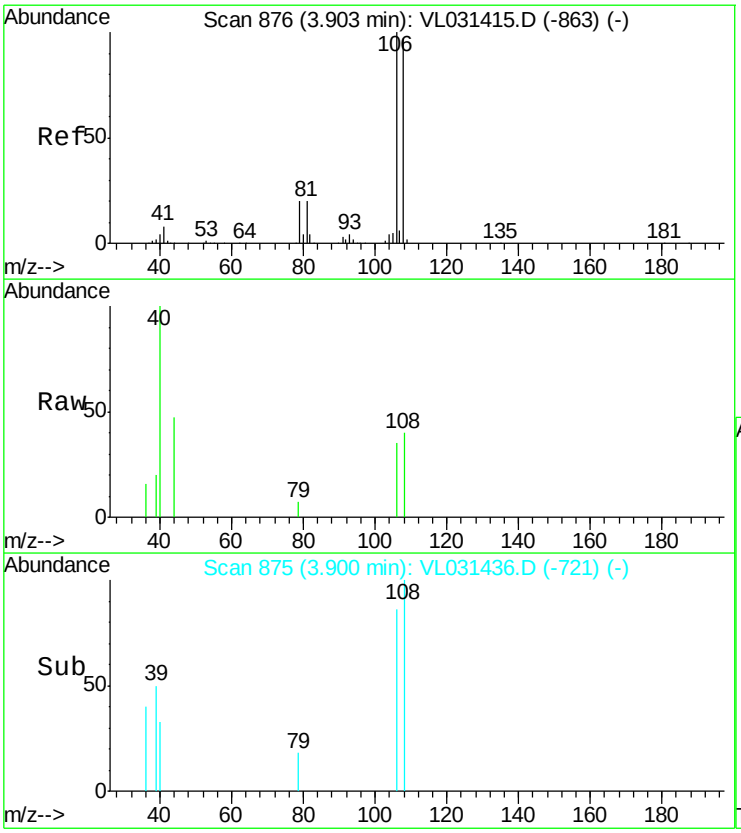
#13
Ethanol
Concen: 0.03 ppbv
RT: 3.79 min Scan# 840
Delta R.T. 0.02 min
Lab File: VL031436.D
Acq: 23 Jan 2018 3:52

Instrument : MSVOA_L
ClientSampleId : MDL-AIR-4

Tgt Ion: 45 Resp: 525

Ion	Ratio	Lower	Upper
45	100		
46	17.0	14.9	59.5

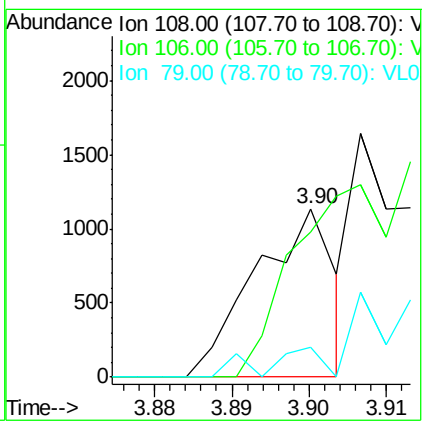


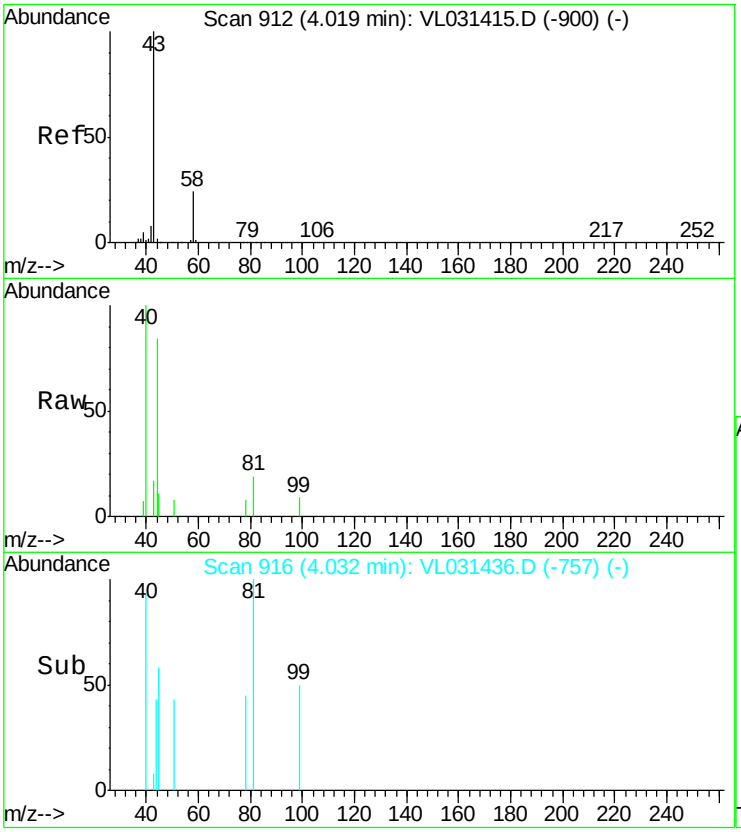


#14
Bromoethene
Concen: 0.01 ppbv
RT: 3.90 min Scan# 875
Delta R.T. -0.01 min
Lab File: VL031436.D
Acq: 23 Jan 2018 3:52

Tgt Ion:108 Resp: 799

Ion	Ratio	Lower	Upper
108	100		
106	0.0	85.3	127.9#
79	0.0	16.8	25.2#



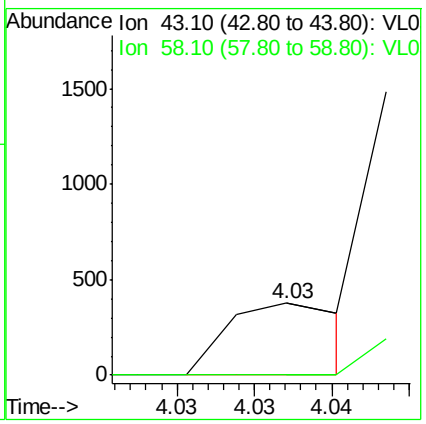


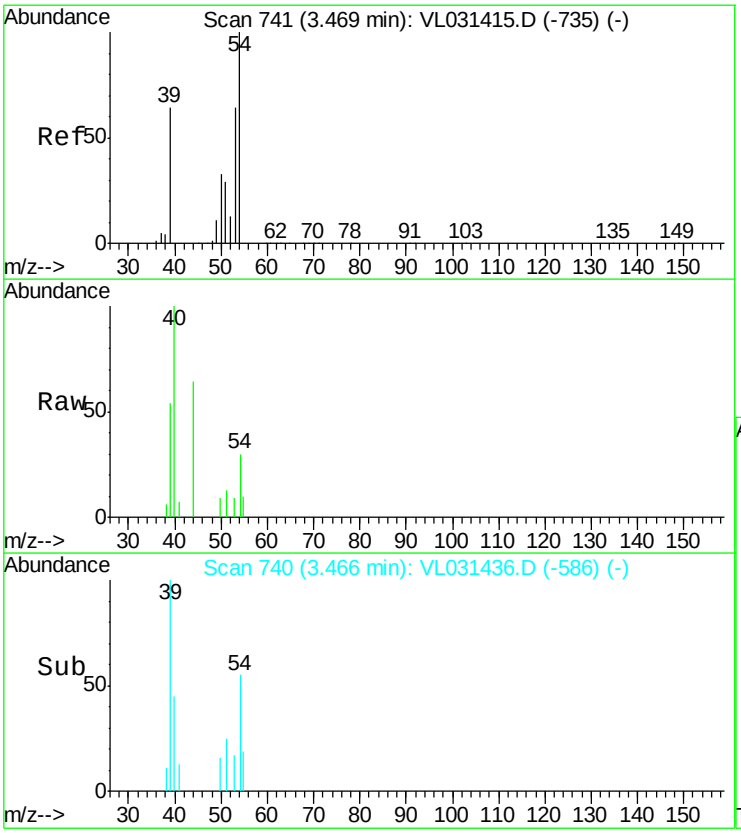
#15
Acetone
Concen: 0.00 ppbv
RT: 4.03 min Scan# 916
Delta R.T. 0.01 min
Lab File: VL031436.D
Acq: 23 Jan 2018 3:52

Instrument : MSVOA_L
ClientSampleId : MDL-AIR-4

Tgt Ion: 43 Resp: 196

Ion	Ratio	Lower	Upper
43	100		
58	0.0	19.4	29.2#

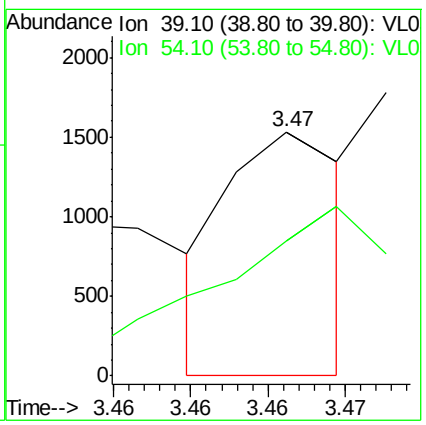


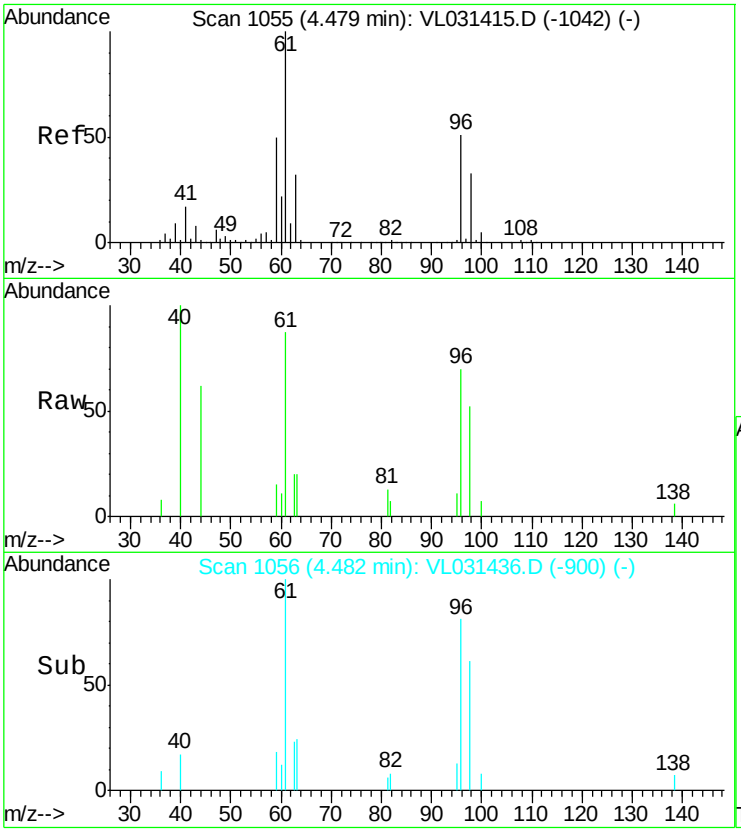


#16
1,3-Butadiene
Concen: 0.01 ppbv
RT: 3.47 min Scan# 740
Delta R.T. -0.01 min
Lab File: VL031436.D
Acq: 23 Jan 2018 3:52

Tgt Ion: 39 Resp: 804

Ion	Ratio	Lower	Upper
39	100		
54	0.0	67.0	100.6#



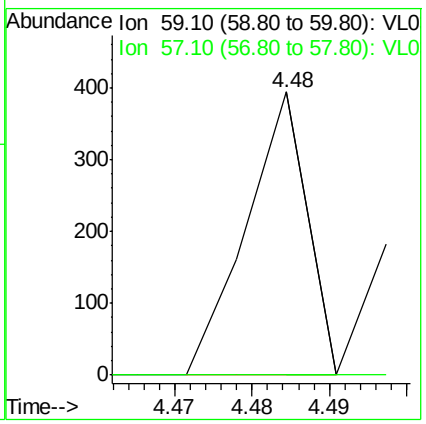


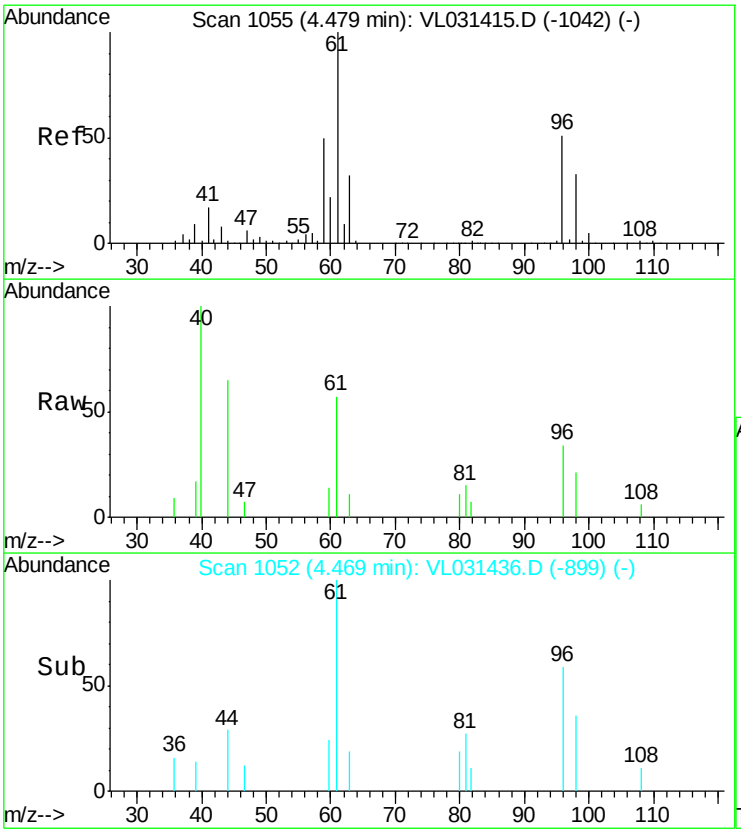
#17
tert-Butyl alcohol
Concen: 0.00 ppbv
RT: 4.48 min Scan# 1056
Delta R.T. 0.00 min
Lab File: VL031436.D
Acq: 23 Jan 2018 3:52

Instrument :
MSVOA_L
ClientSampleId :
MDL-AIR-4

Tgt Ion: 59 Resp: 107

Ion	Ratio	Lower	Upper
59	100		
57	0.0	8.6	13.0#

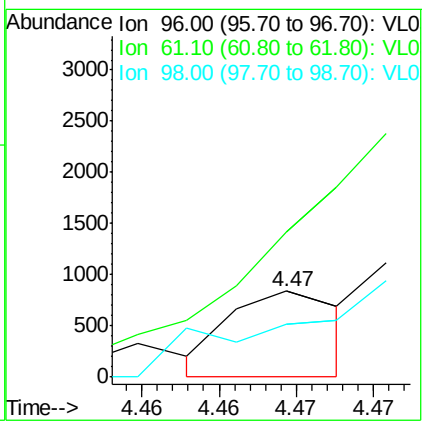


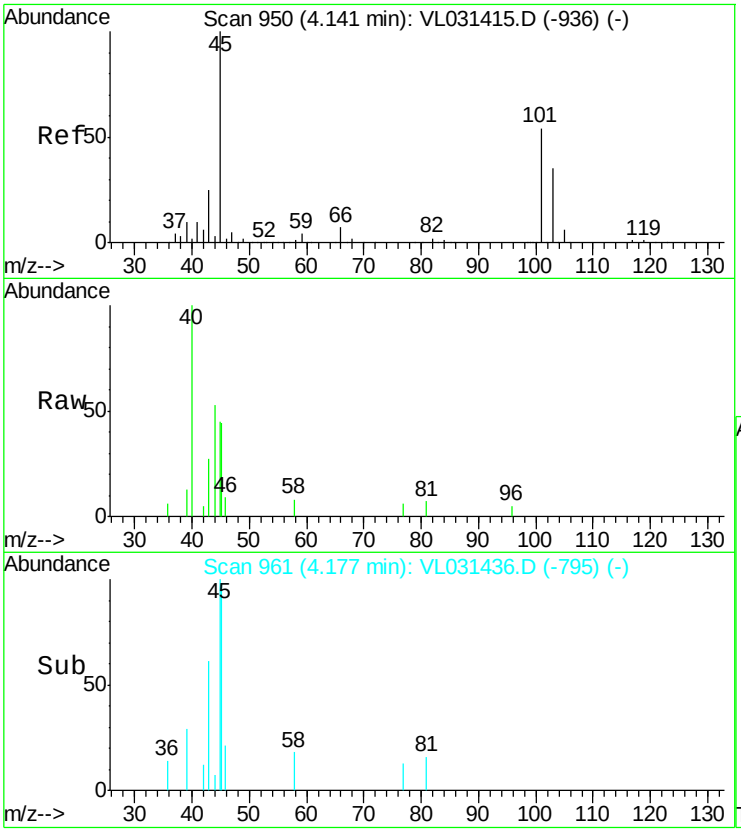


#18
1,1-Dichloroethene
Concen: 0.01 ppbv
RT: 4.47 min Scan# 1052
Delta R.T. -0.01 min
Lab File: VL031436.D
Acq: 23 Jan 2018 3:52

Tgt Ion: 96 Resp: 426

Ion	Ratio	Lower	Upper
96	100		
61	136.9	161.6	242.4#
98	5.0	49.6	74.4#



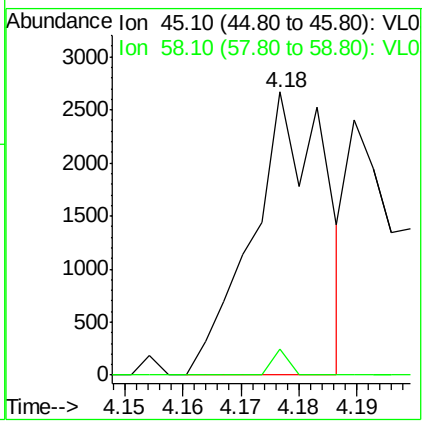


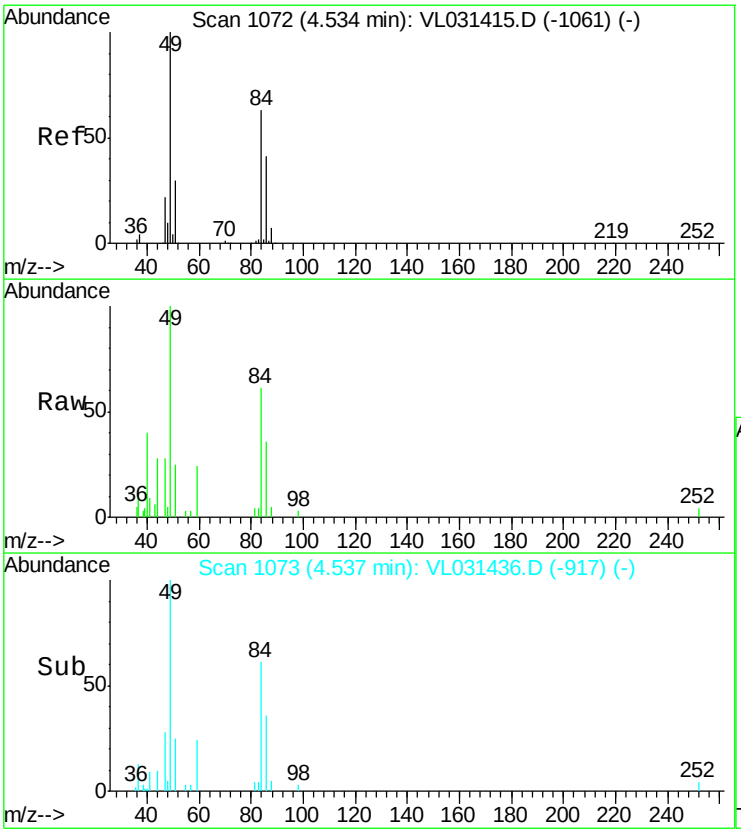
#19
Isopropyl Alcohol
Concen: 0.02 ppbv
RT: 4.18 min Scan# 961
Delta R.T. 0.03 min
Lab File: VL031436.D
Acq: 23 Jan 2018 3:52

Instrument : MSVOA_L
ClientSampleId : MDL-AIR-4

Tgt Ion: 45 Resp: 2309

Ion	Ratio	Lower	Upper
45	100		
58	101.9	1.0	1.4#

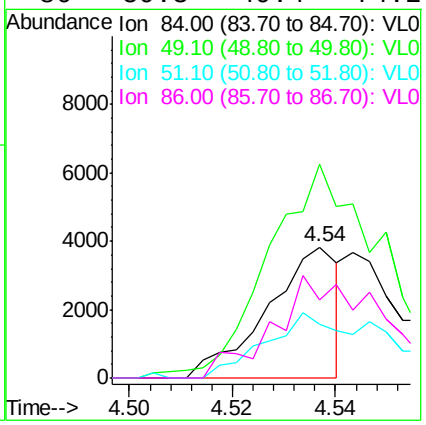


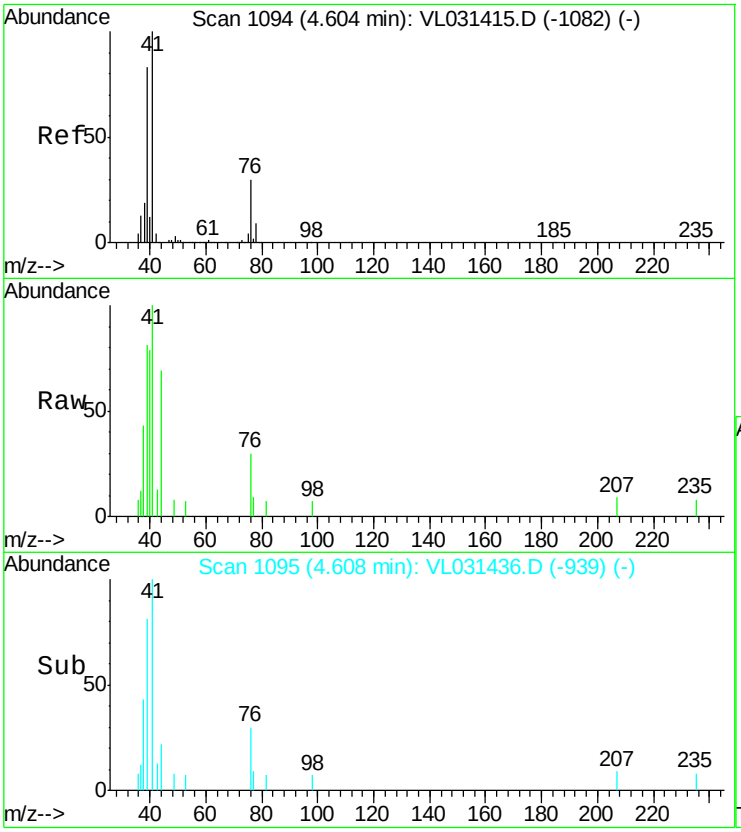


#20
Methylene Chloride
Concen: 0.06 ppbv
RT: 4.54 min Scan# 1073
Delta R.T. 0.00 min
Lab File: VL031436.D
Acq: 23 Jan 2018 3:52

Tgt Ion: 84 Resp: 3635

Ion	Ratio	Lower	Upper
84	100		
49	157.4	123.4	185.0
51	41.5	35.6	53.4
86	59.3	49.4	74.2



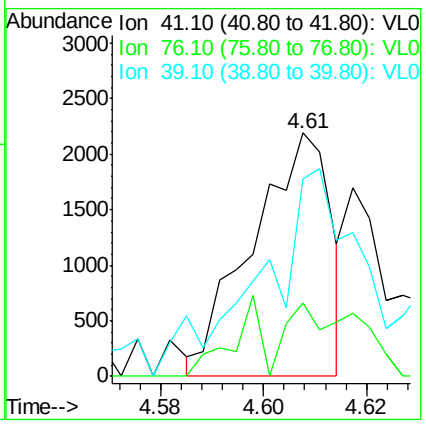


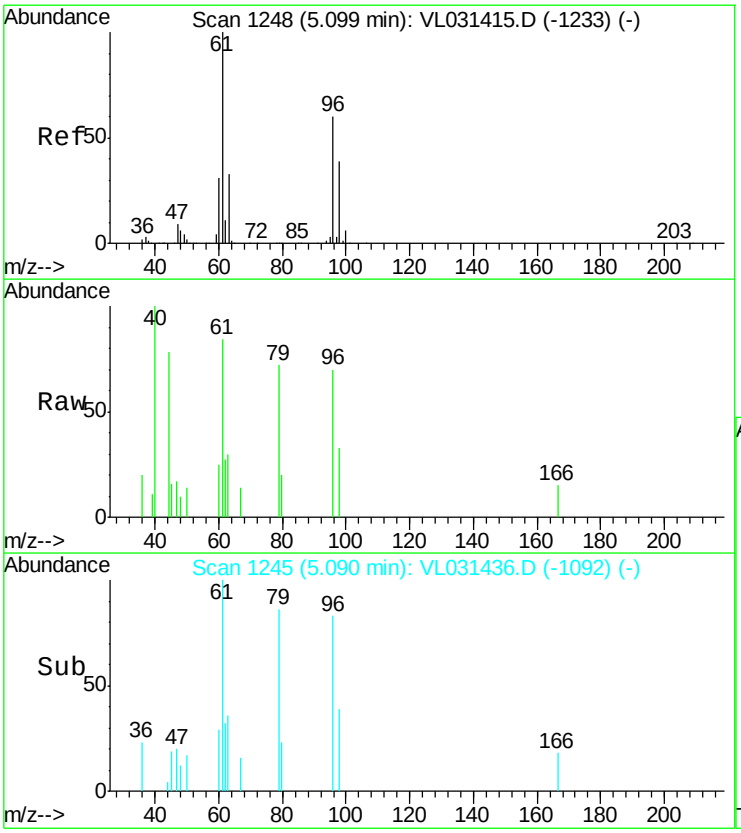
#21
Allyl Chloride
Concen: 0.02 ppbv
RT: 4.61 min Scan# 1095
Delta R.T. 0.00 min
Lab File: VL031436.D
Acq: 23 Jan 2018 3:52

Instrument : MSVOA_L
ClientSampleId : MDL-AIR-4

Tgt Ion: 41 Resp: 2310

Ion	Ratio	Lower	Upper
41	100		
76	39.0	24.2	36.2#
39	130.6	69.8	104.8#

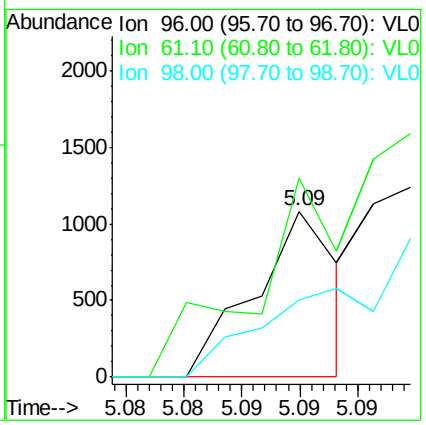


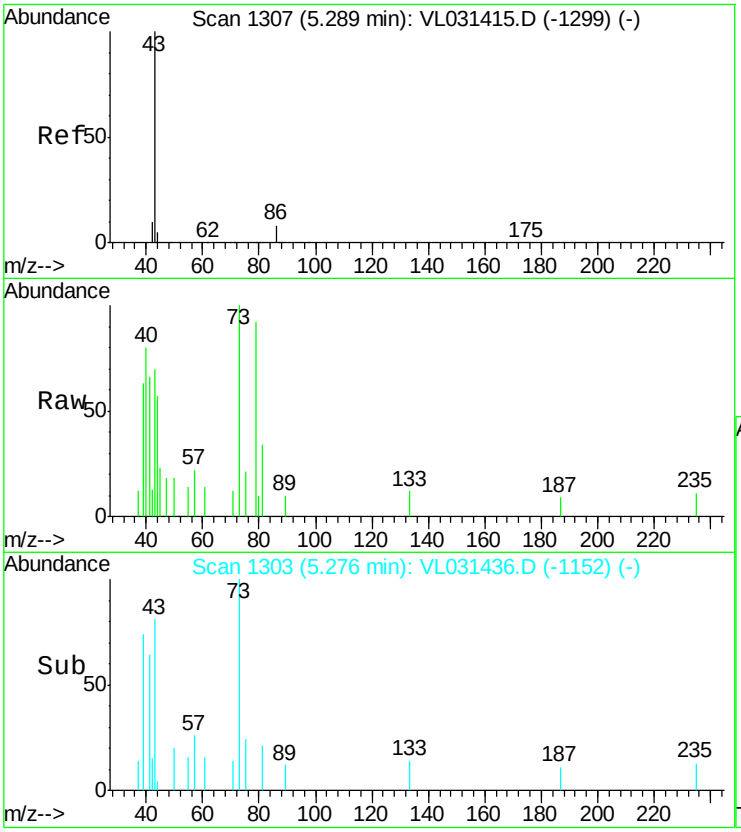


#22
trans-1,2-Dichloroethene
Concen: 0.01 ppbv
RT: 5.09 min Scan# 1245
Delta R.T. -0.01 min
Lab File: VL031436.D
Acq: 23 Jan 2018 3:52

Tgt Ion: 96 Resp: 541

Ion	Ratio	Lower	Upper
96	100		
61	75.2	135.0	202.4#
98	46.3	52.2	78.2#



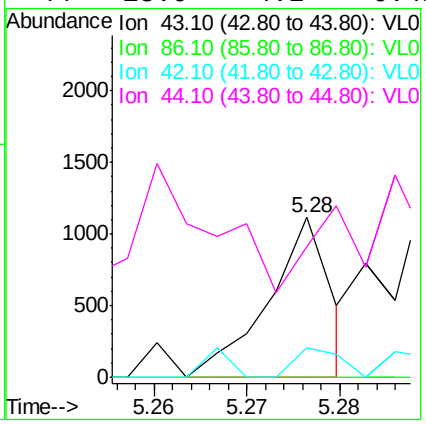


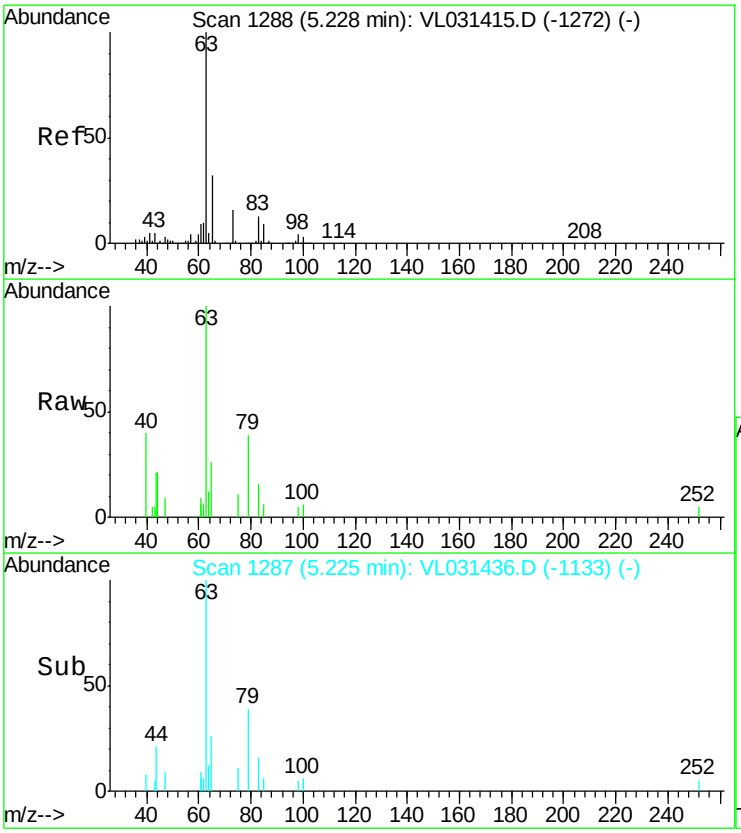
#23
Vinyl Acetate
Concen: 0.00 ppbv
RT: 5.28 min Scan# 1303
Delta R.T. -0.02 min
Lab File: VL031436.D
Acq: 23 Jan 2018 3:52

Instrument : MSVOA_L
ClientSampleId : MDL-AIR-4

Tgt Ion: 43 Resp: 518

Ion	Ratio	Lower	Upper
43	100		
86	0.0	5.6	8.4#
42	18.5	8.6	12.8#
44	18.9	4.2	6.4#

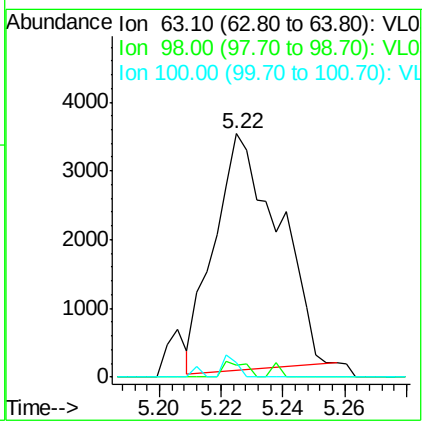


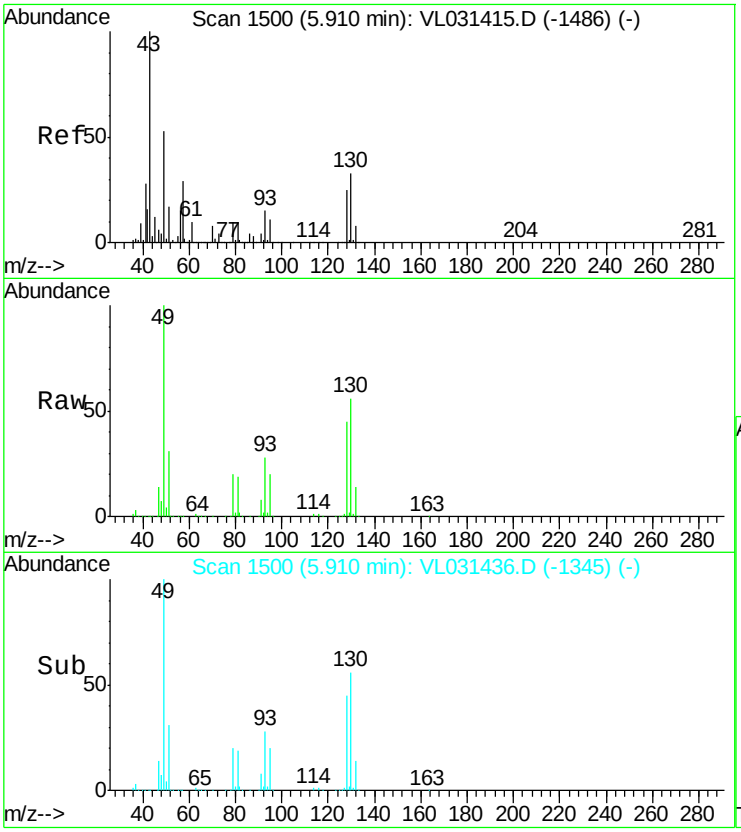


#24
1,1-Dichloroethane
Concen: 0.03 ppbv
RT: 5.22 min Scan# 1287
Delta R.T. -0.01 min
Lab File: VL031436.D
Acq: 23 Jan 2018 3:52

Tgt Ion: 63 Resp: 4969

Ion	Ratio	Lower	Upper
63	100		
98	5.2	2.4	7.1
100	6.1	1.3	3.9#



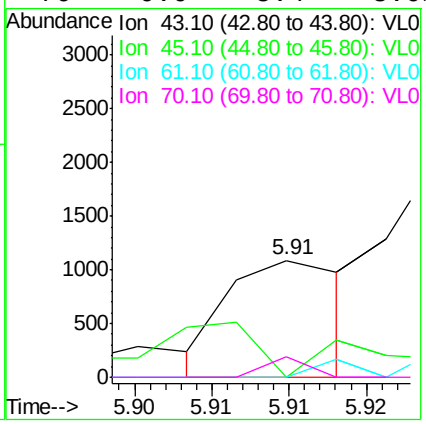


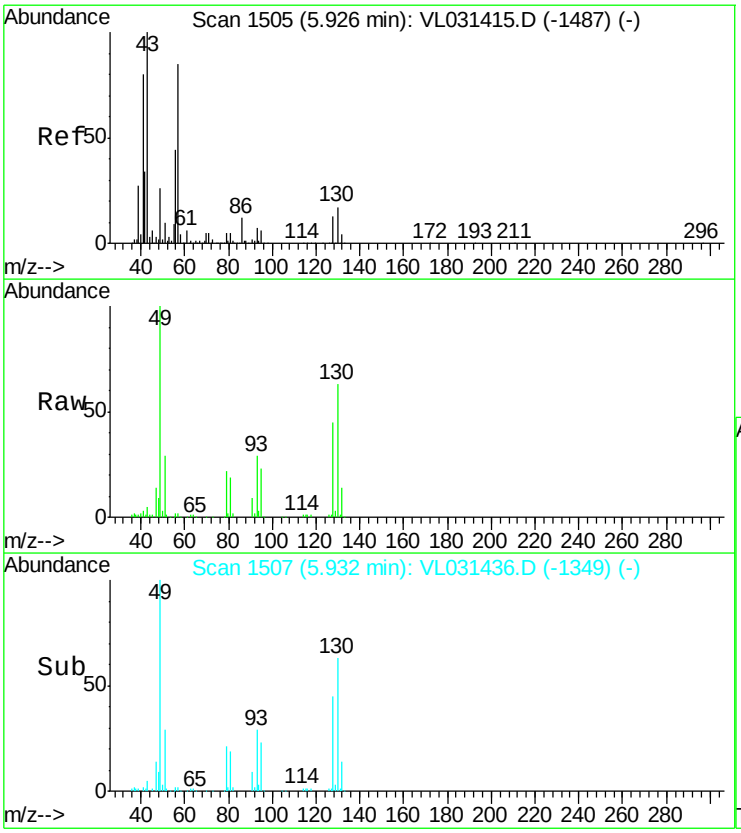
#25
Ethyl Acetate
Concen: 0.00 ppbv
RT: 5.91 min Scan# 1500
Delta R.T. -0.00 min
Lab File: VL031436.D
Acq: 23 Jan 2018 3:52

Instrument :
MSVOA_L
ClientSampleId :
MDL-AIR-4

Tgt Ion: 43 Resp: 574

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#

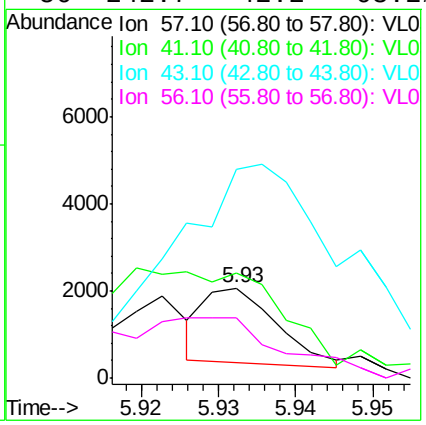


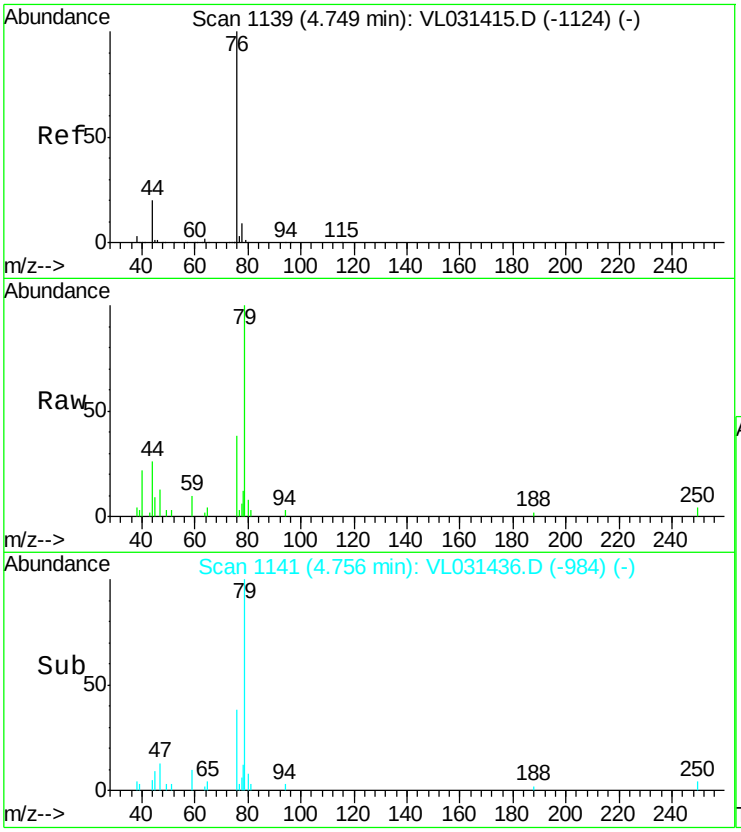


#26
Hexane
Concen: 0.01 ppbv
RT: 5.93 min Scan# 1507
Delta R.T. 0.01 min
Lab File: VL031436.D
Acq: 23 Jan 2018 3:52

Tgt Ion: 57 Resp: 1097

Ion	Ratio	Lower	Upper
57	100		
41	0.0	77.1	115.7#
43	827.1	180.7	271.1#
56	242.7	42.2	63.2#



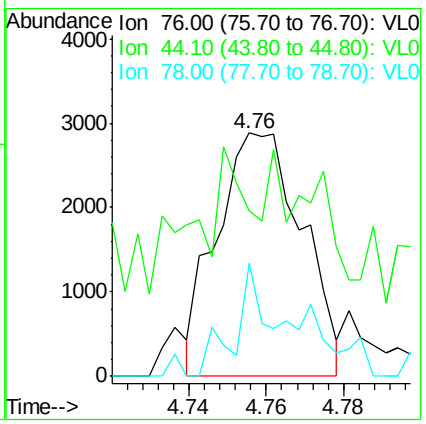


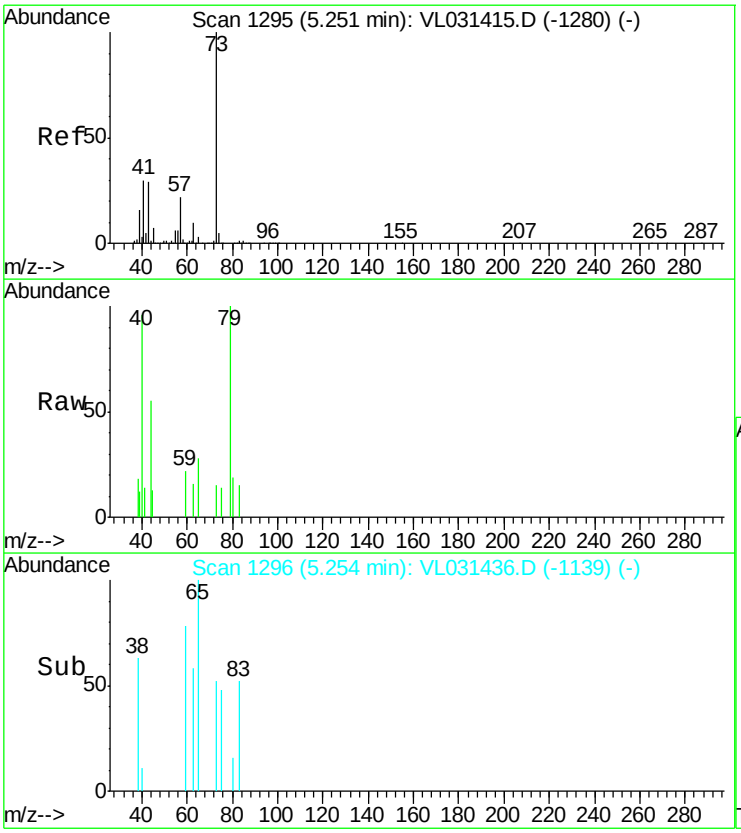
#27
Carbon Disulfide
Concen: 0.03 ppbv
RT: 4.76 min Scan# 1141
Delta R.T. 0.00 min
Lab File: VL031436.D
Acq: 23 Jan 2018 3:52

Instrument :
MSVOA_L
ClientSampleId :
MDL-AIR-4

Tgt Ion: 76 Resp: 4422

Ion	Ratio	Lower	Upper
76	100		
44	117.3	16.7	25.1#
78	32.9	7.5	11.3#

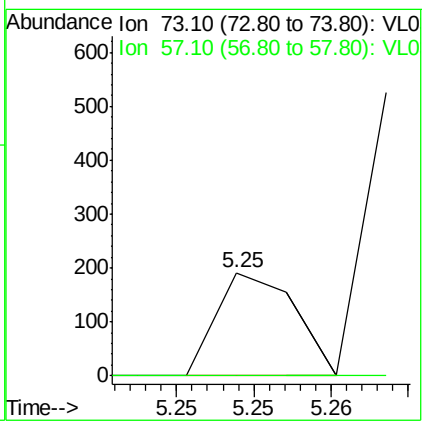


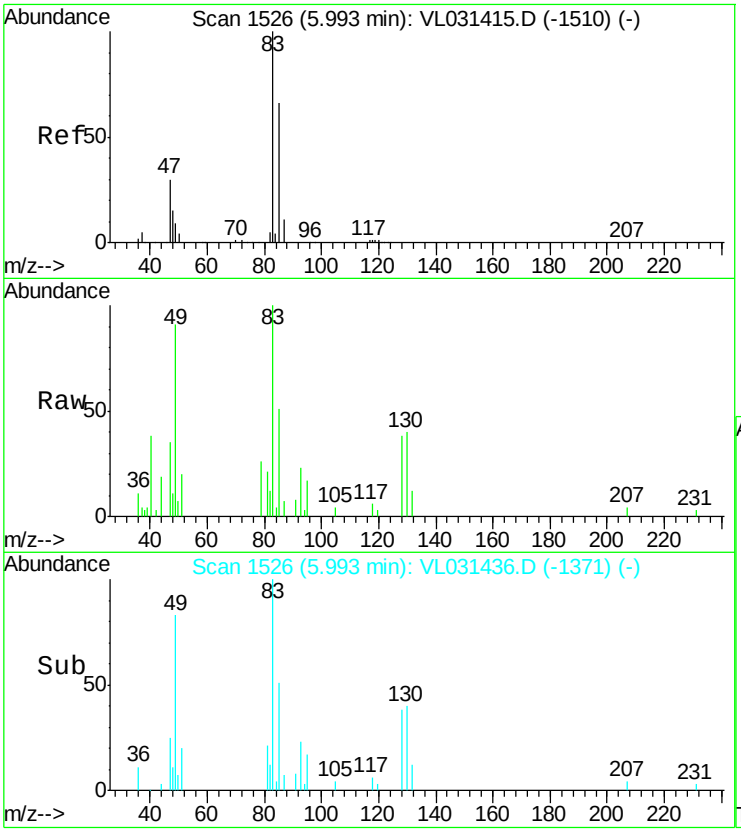


#28
Methyl tert-Butyl Ether
Concen: 0.00 ppbv
RT: 5.25 min Scan# 1296
Delta R.T. 0.00 min
Lab File: VL031436.D
Acq: 23 Jan 2018 3:52

Tgt Ion: 73 Resp: 67

Ion	Ratio	Lower	Upper
73	100		
57	0.0	17.5	26.3#



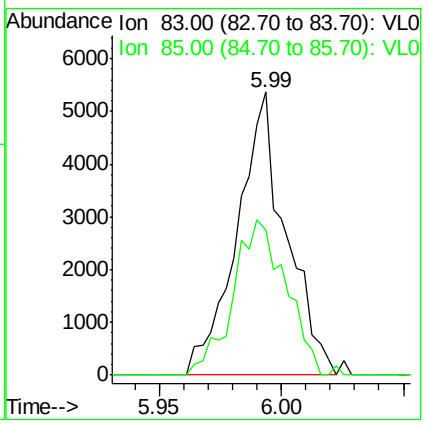


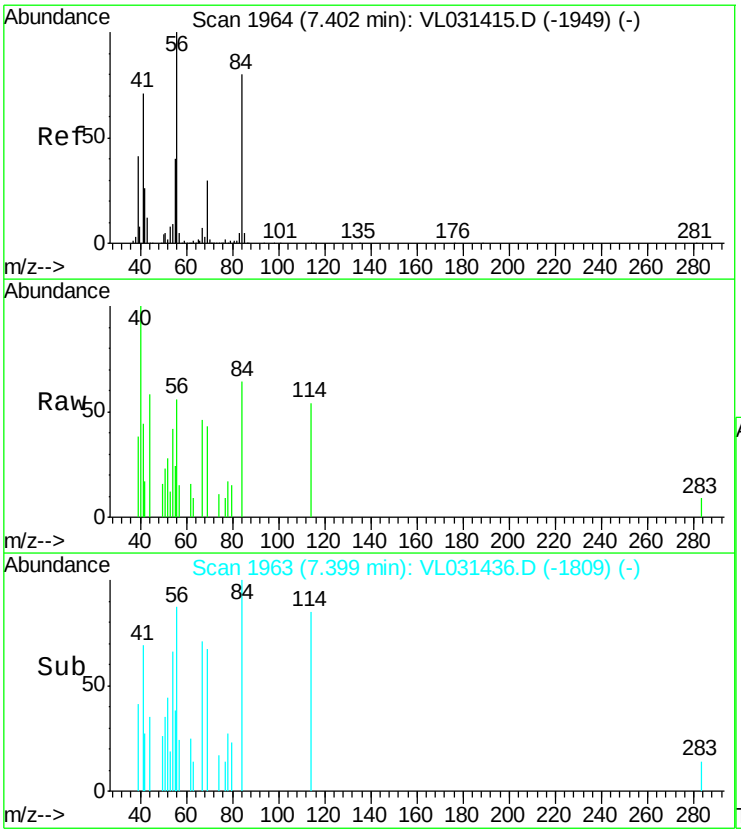
#29
Chloroform
Concen: 0.03 ppbv
RT: 5.99 min Scan# 1526
Delta R.T. -0.00 min
Lab File: VL031436.D
Acq: 23 Jan 2018 3:52

Instrument :
MSVOA_L
ClientSampleId :
MDL-AIR-4

Tgt Ion: 83 Resp: 7476

Ion	Ratio	Lower	Upper
83	100		
85	51.3	51.3	76.9

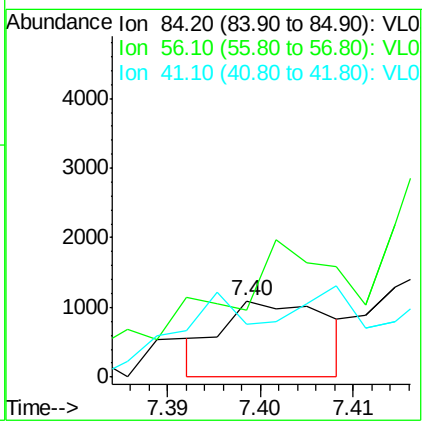


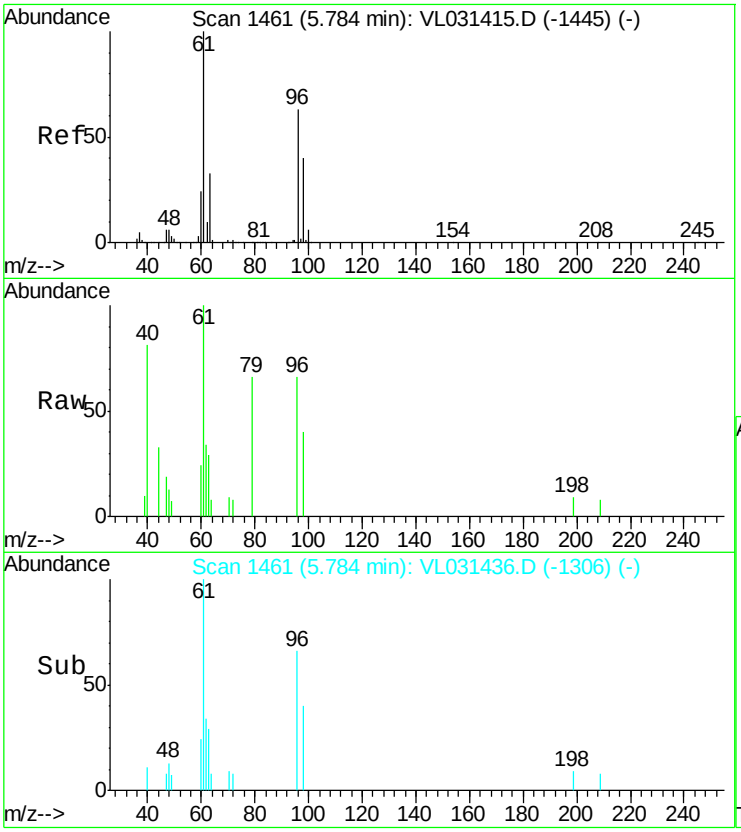


#30
Cyclohexane
Concen: 0.01 ppbv
RT: 7.40 min Scan# 1963
Delta R.T. -0.01 min
Lab File: VL031436.D
Acq: 23 Jan 2018 3:52

Tgt Ion: 84 Resp: 869

Ion	Ratio	Lower	Upper
84	100		
56	0.0	109.0	163.4#
41	297.4	73.3	109.9#



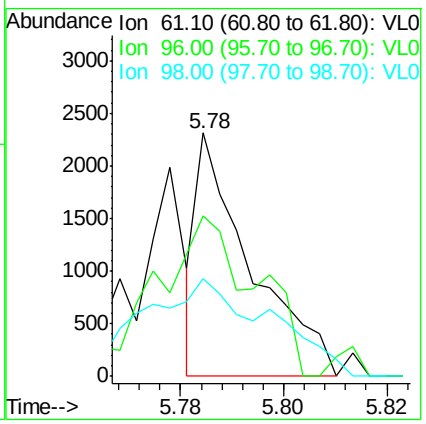


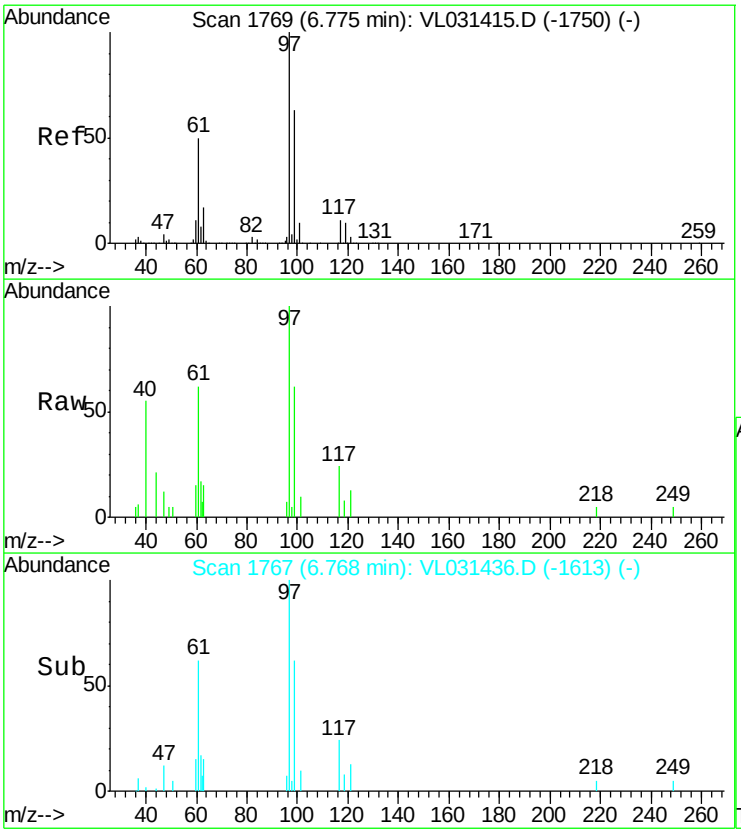
#31
cis-1,2-Dichloroethene
Concen: 0.01 ppbv
RT: 5.78 min Scan# 1461
Delta R.T. -0.00 min
Lab File: VL031436.D
Acq: 23 Jan 2018 3:52

Instrument : MSVOA_L
ClientSampleId : MDL-AIR-4

Tgt Ion: 61 Resp: 1688

Ion	Ratio	Lower	Upper
61	100		
96	43.3	51.3	76.9#
98	24.8	33.6	50.4#

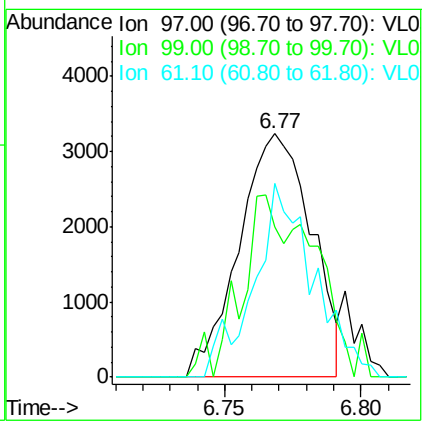


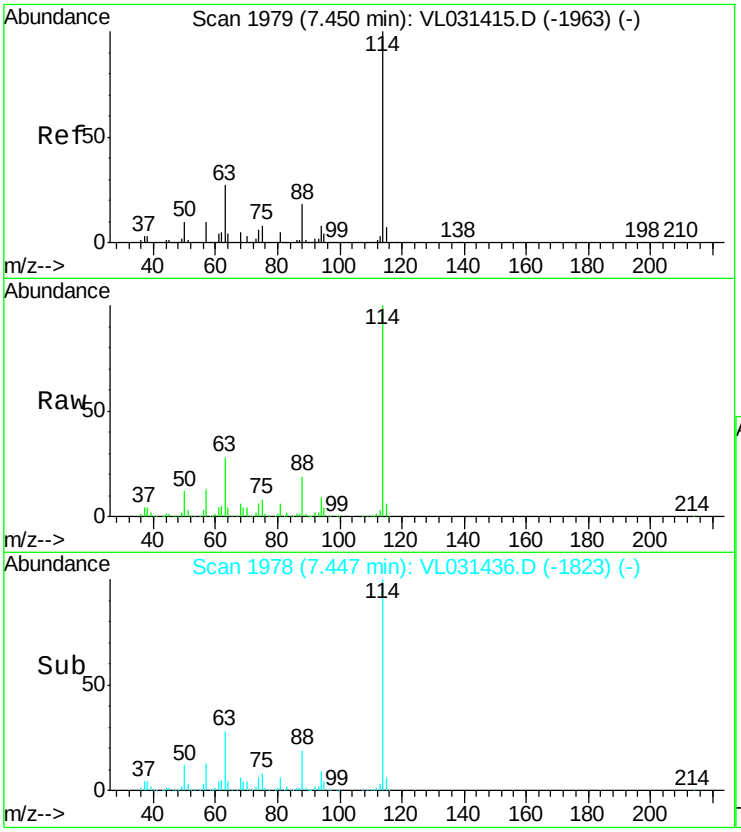


#32
1,1,1-Trichloroethane
Concen: 0.03 ppbv
RT: 6.77 min Scan# 1767
Delta R.T. -0.01 min
Lab File: VL031436.D
Acq: 23 Jan 2018 3:52

Tgt Ion: 97 Resp: 5960

Ion	Ratio	Lower	Upper
97	100		
99	77.2	51.9	77.9
61	65.8	40.6	61.0#



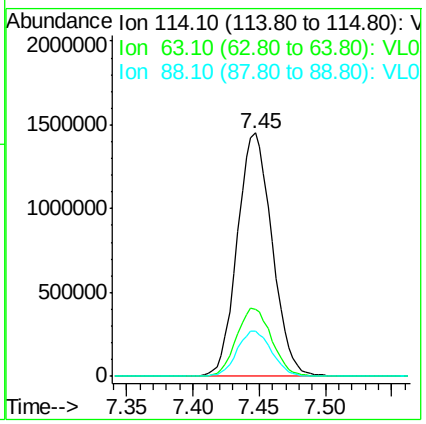


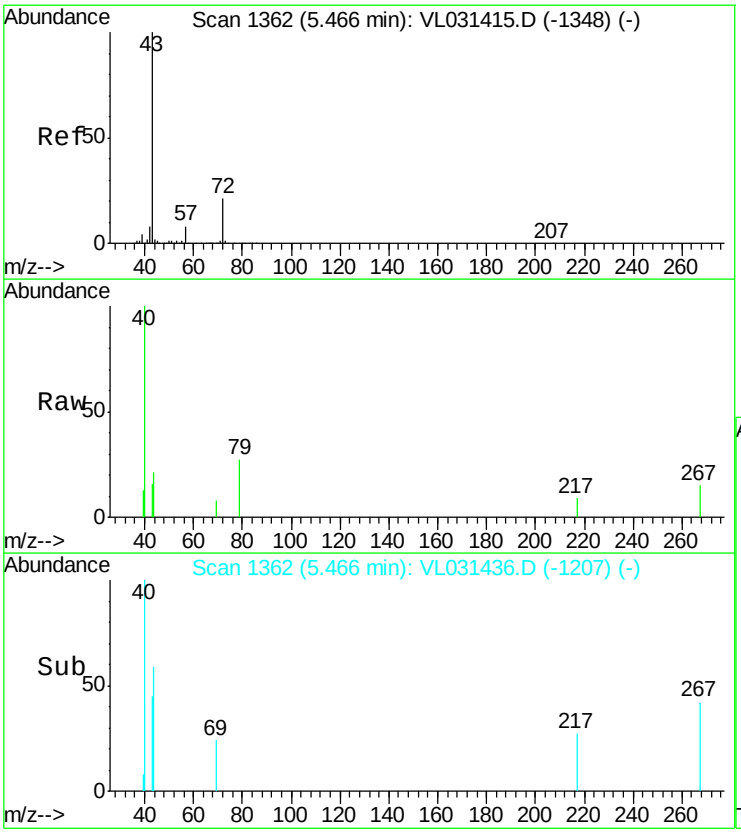
#33
1,4-Difluorobenzene
Concen: 10.00 ppbv
RT: 7.45 min Scan# 1978
Delta R.T. -0.00 min
Lab File: VL031436.D
Acq: 23 Jan 2018 3:52

Instrument :
MSVOA_L
ClientSampleId :
MDL-AIR-4

Tgt Ion:114 Resp: 2651549

Ion	Ratio	Lower	Upper
114	100		
63	28.4	22.5	33.7
88	18.7	14.6	22.0

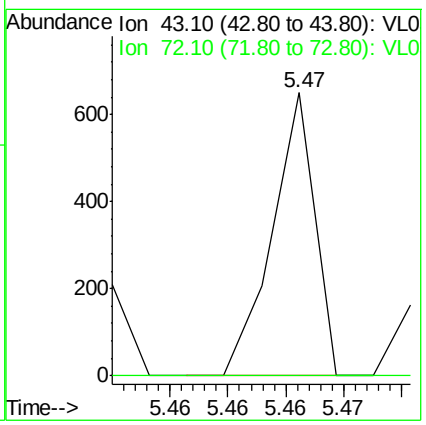


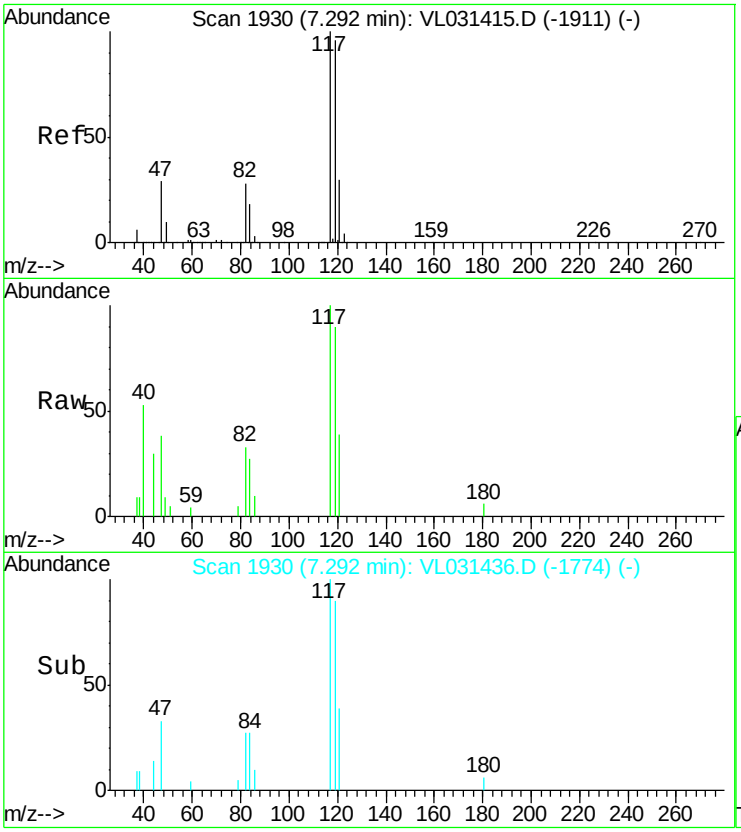


#34
2-Butanone
Concen: 0.00 ppbv
RT: 5.47 min Scan# 1362
Delta R.T. -0.00 min
Lab File: VL031436.D
Acq: 23 Jan 2018 3:52

Tgt Ion: 43 Resp: 166

Ion	Ratio	Lower	Upper
43	100		
72	0.0	16.8	25.2#



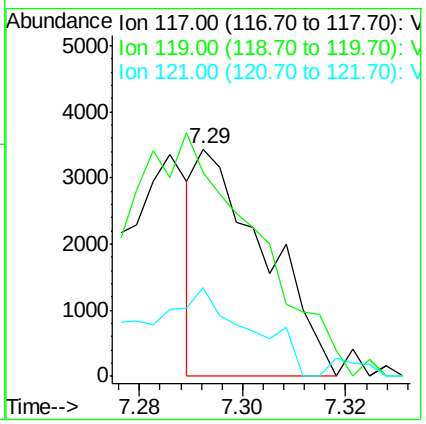


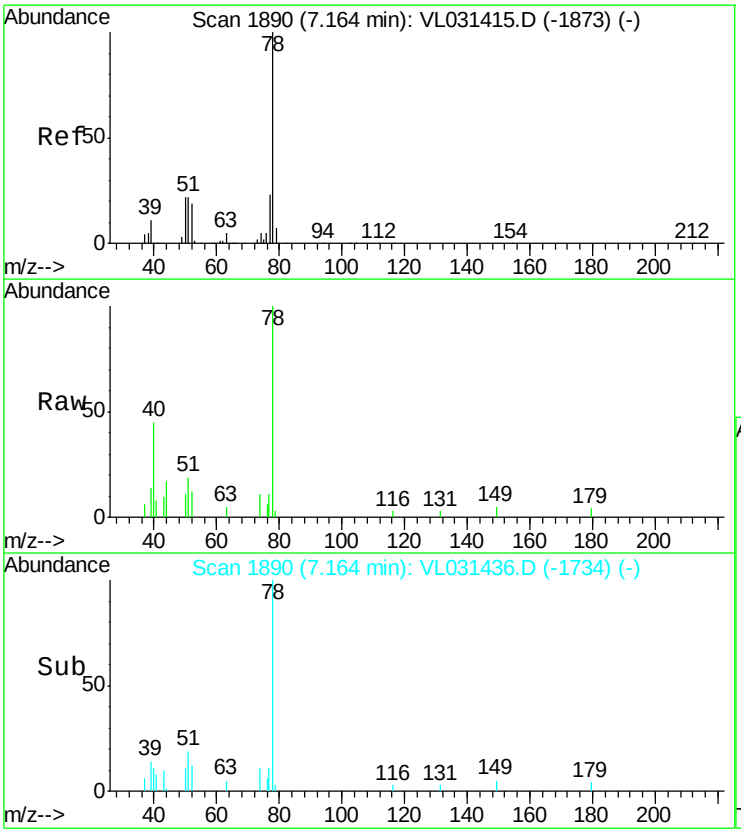
#35
Carbon Tetrachloride
Concen: 0.01 ppbv
RT: 7.29 min Scan# 1930
Delta R.T. 0.00 min
Lab File: VL031436.D
Acq: 23 Jan 2018 3:52

Instrument :
MSVOA_L
ClientSampleId :
MDL-AIR-4

Tgt Ion:117 Resp: 3133

Ion	Ratio	Lower	Upper
117	100		
119	78.6	74.2	111.4
121	30.5	24.2	36.4

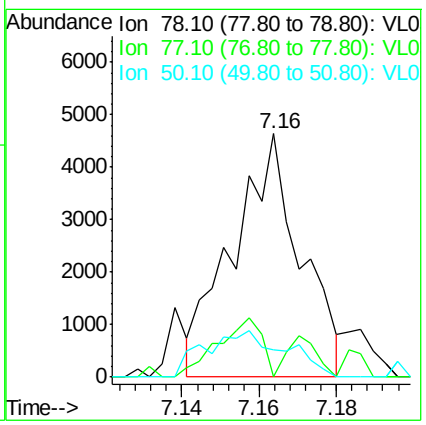


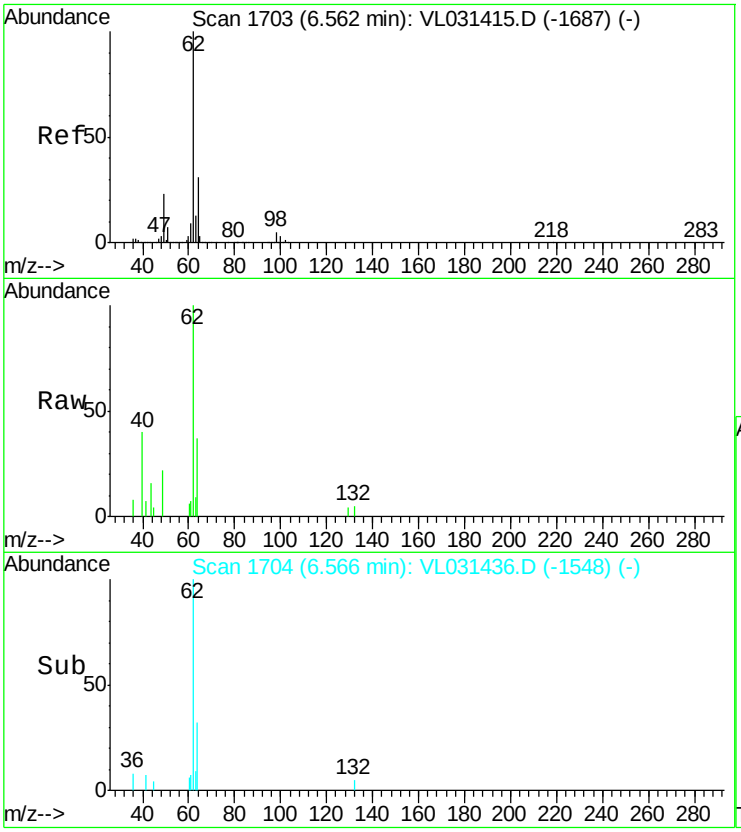


#36
Benzene
Concen: 0.02 ppbv
RT: 7.16 min Scan# 1890
Delta R.T. 0.00 min
Lab File: VL031436.D
Acq: 23 Jan 2018 3:52

Tgt Ion: 78 Resp: 5655

Ion	Ratio	Lower	Upper
78	100		
77	0.0	18.7	28.1#
50	0.6	18.4	27.6#



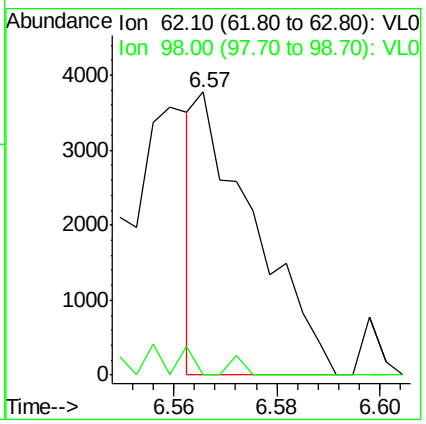


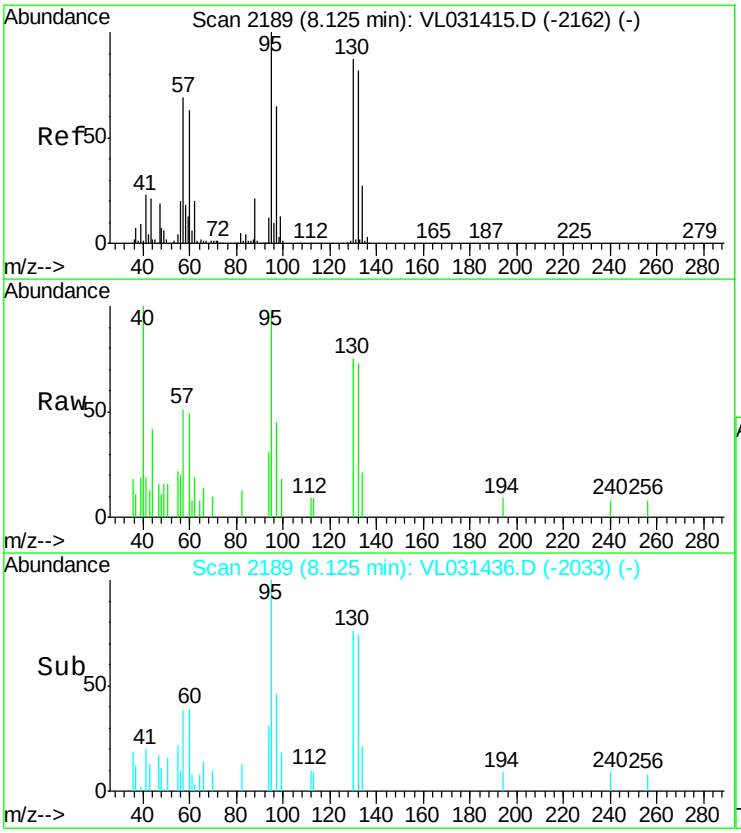
#37
1,2-Dichloroethane
Concen: 0.02 ppbv
RT: 6.57 min Scan# 1704
Delta R.T. 0.00 min
Lab File: VL031436.D
Acq: 23 Jan 2018 3:52

Instrument :
MSVOA_L
ClientSampleId :
MDL-AIR-4

Tgt Ion: 62 Resp: 2940

Ion	Ratio	Lower	Upper
62	100		
98	0.0	4.1	6.1#

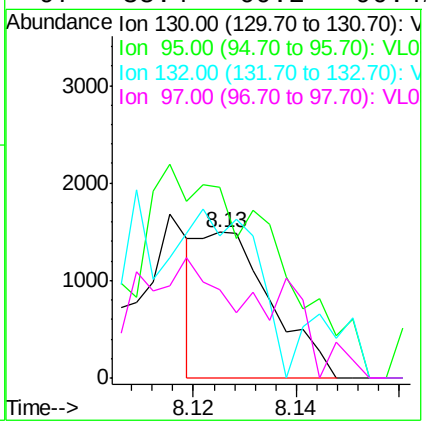


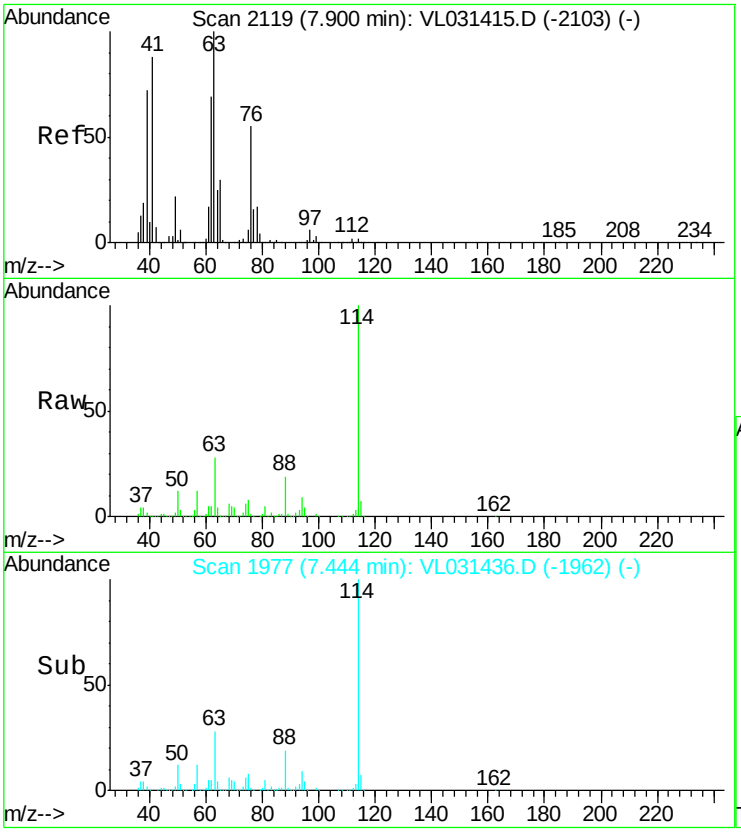


#38
Trichloroethene
Concen: 0.02 ppbv
RT: 8.13 min Scan# 2189
Delta R.T. 0.00 min
Lab File: VL031436.D
Acq: 23 Jan 2018 3:52

Tgt Ion:130 Resp: 1458

Ion	Ratio	Lower	Upper
130	100		
95	101.4	92.9	139.3
132	70.3	74.9	112.3#
97	35.4	60.2	90.4#



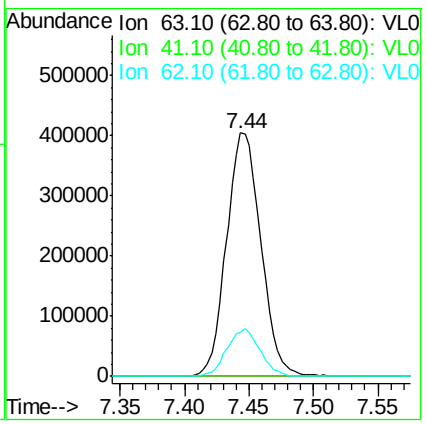


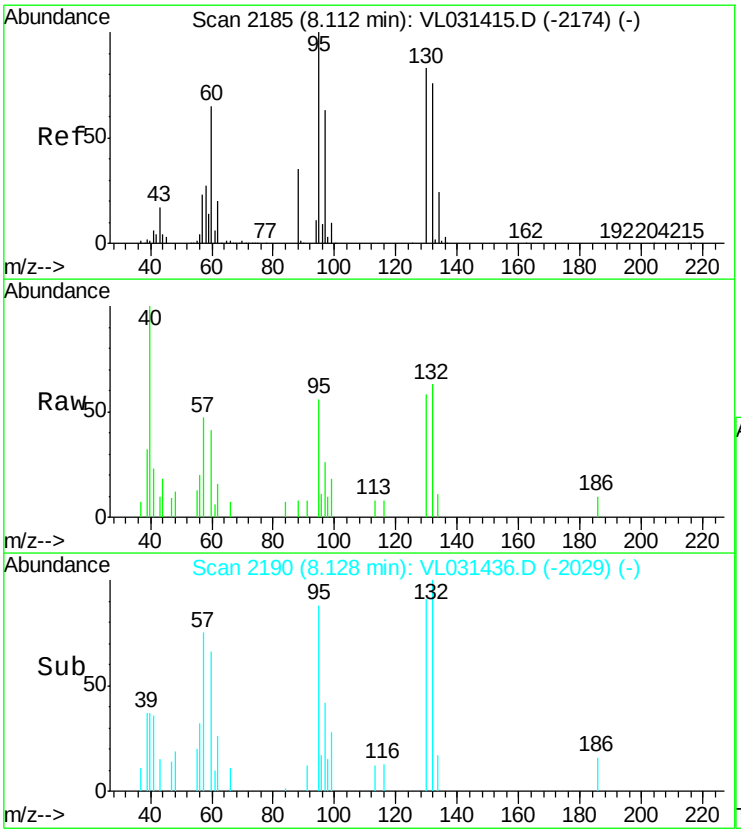
#39
1,2-Dichloropropane
Concen: 8.40 ppbv
RT: 7.44 min Scan# 1977
Delta R.T. -0.45 min
Lab File: VL031436.D
Acq: 23 Jan 2018 3:52

Instrument : MSVOA_L
ClientSampleId : MDL-AIR-4

Tgt Ion: 63 Resp: 743844

Ion	Ratio	Lower	Upper
63	100		
41	0.1	67.6	101.4#
62	18.1	51.8	77.6#

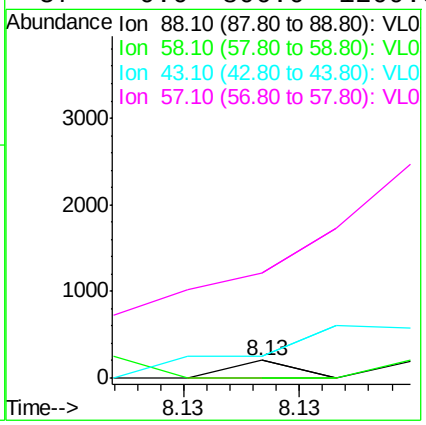


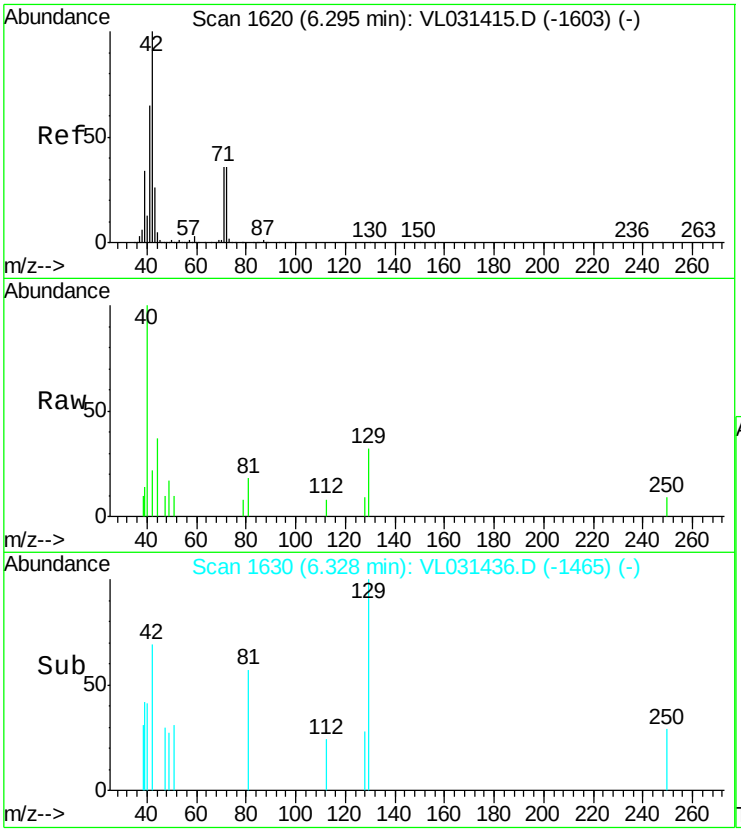


#40
1,4-Dioxane
Concen: 0.00 ppbv
RT: 8.13 min Scan# 2190
Delta R.T. 0.02 min
Lab File: VL031436.D
Acq: 23 Jan 2018 3:52

Tgt Ion: 88 Resp: 39

Ion	Ratio	Lower	Upper
88	100		
58	0.0	98.2	147.2#
43	0.0	197.3	295.9#
57	0.0	806.0	1209.0#



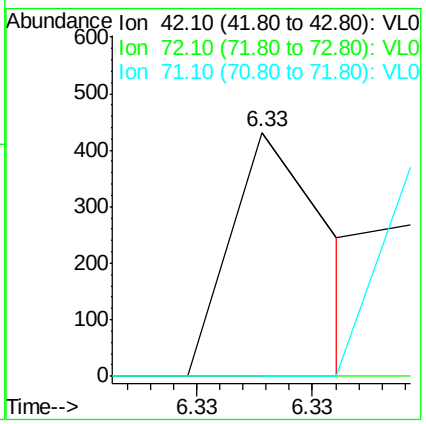


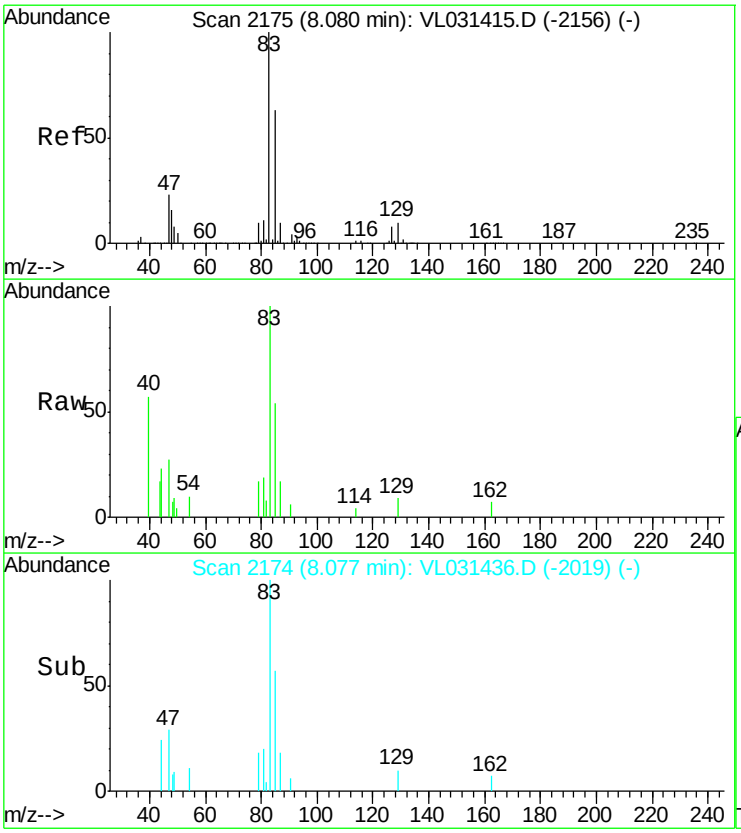
#41
Tetrahydrofuran
Concen: 0.00 ppbv
RT: 6.33 min Scan# 1630
Delta R.T. 0.03 min
Lab File: VL031436.D
Acq: 23 Jan 2018 3:52

Instrument : MSVOA_L
ClientSampleId : MDL-AIR-4

Tgt Ion: 42 Resp: 131

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

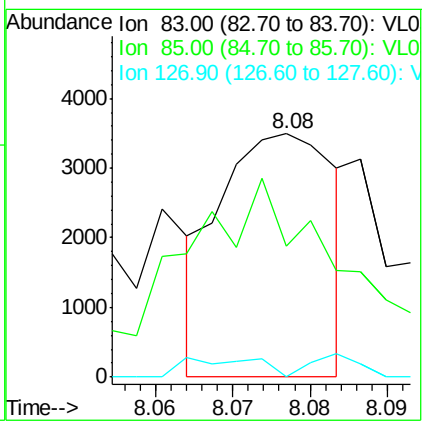


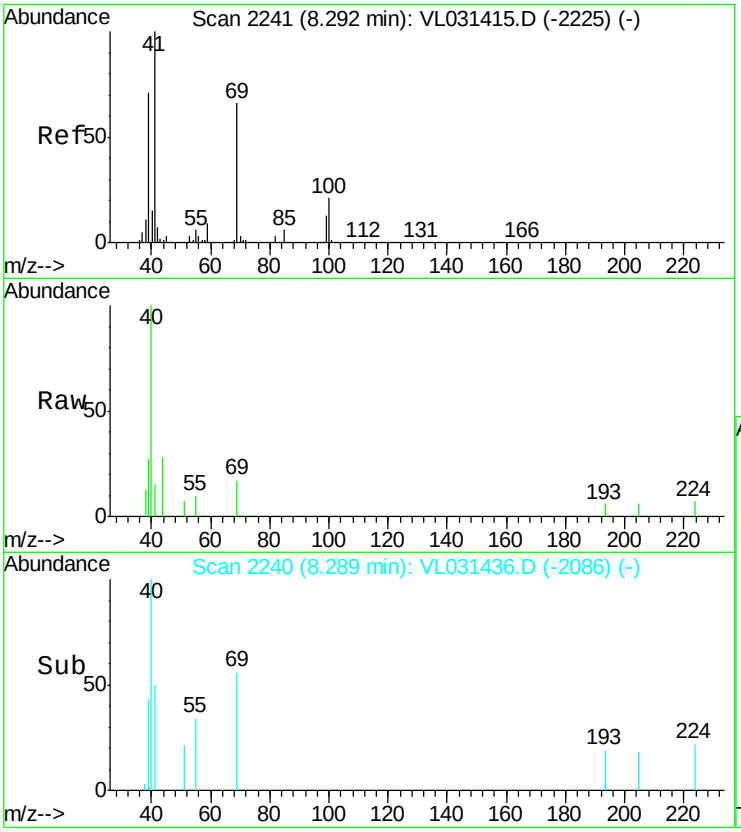


#42
Bromodichloromethane
Concen: 0.02 ppbv
RT: 8.08 min Scan# 2174
Delta R.T. -0.00 min
Lab File: VL031436.D
Acq: 23 Jan 2018 3:52

Tgt Ion: 83 Resp: 3565

Ion	Ratio	Lower	Upper
83	100		
85	23.9	52.1	78.1#
127	0.0	6.6	10.0#



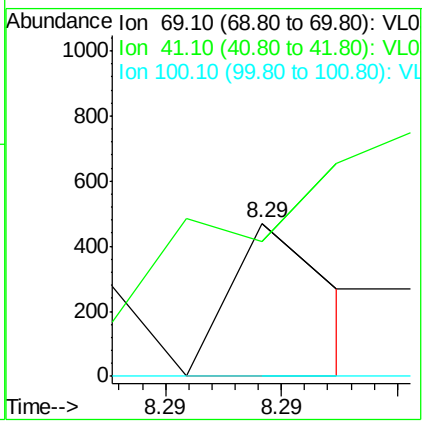


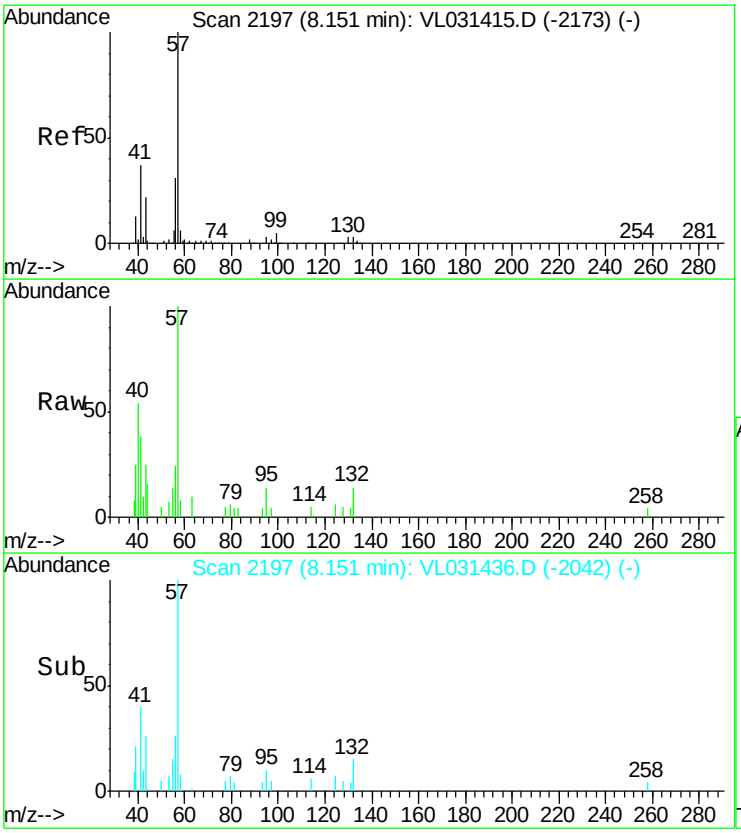
#43
Methyl Methacrylate
Concen: 0.00 ppbv
RT: 8.29 min Scan# 2240
Delta R.T. -0.01 min
Lab File: VL031436.D
Acq: 23 Jan 2018 3:52

Instrument :
MSVOA_L
ClientSampleId :
MDL-AIR-4

Tgt Ion: 69 Resp: 142

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

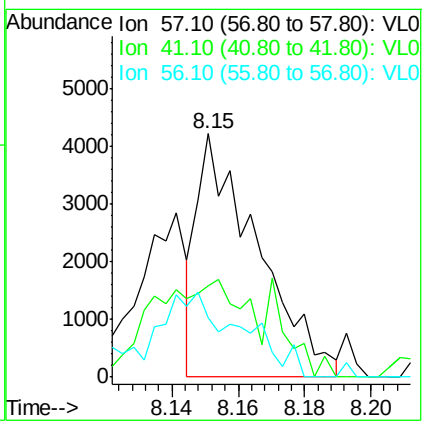


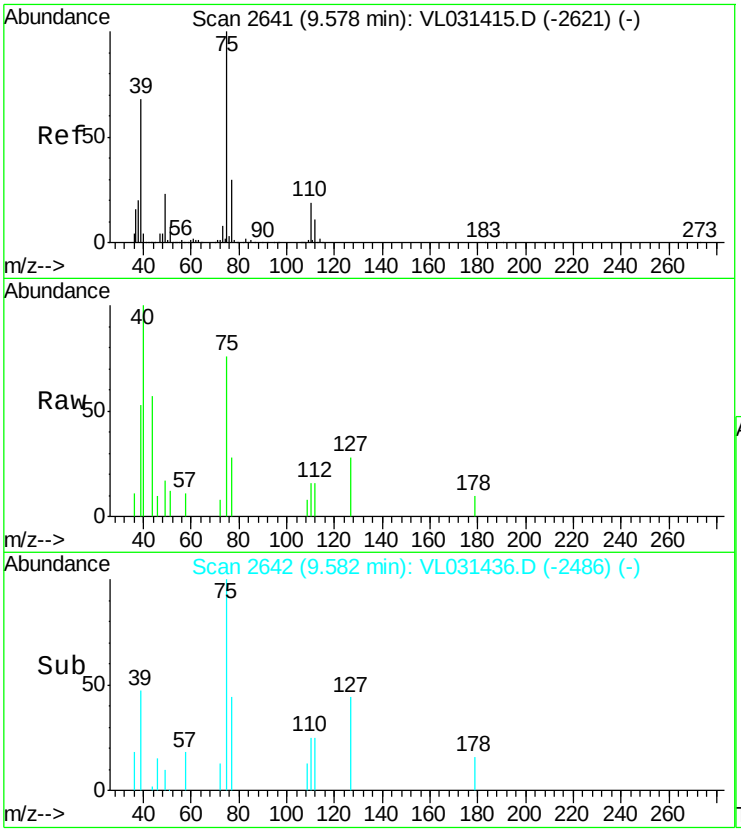


#44
2,2,4-Trimethylpentane
Concen: 0.01 ppbv
RT: 8.15 min Scan# 2197
Delta R.T. -0.00 min
Lab File: VL031436.D
Acq: 23 Jan 2018 3:52

Tgt Ion: 57 Resp: 5306

Ion	Ratio	Lower	Upper
57	100		
41	76.6	28.8	43.2#
56	53.1	24.6	37.0#



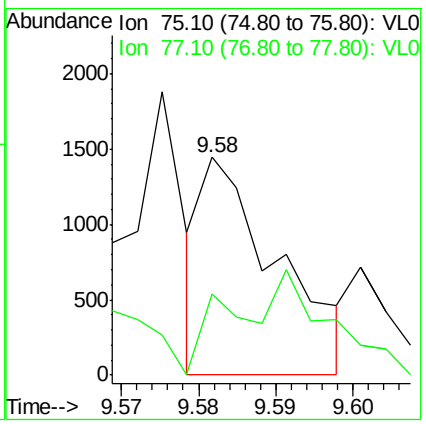


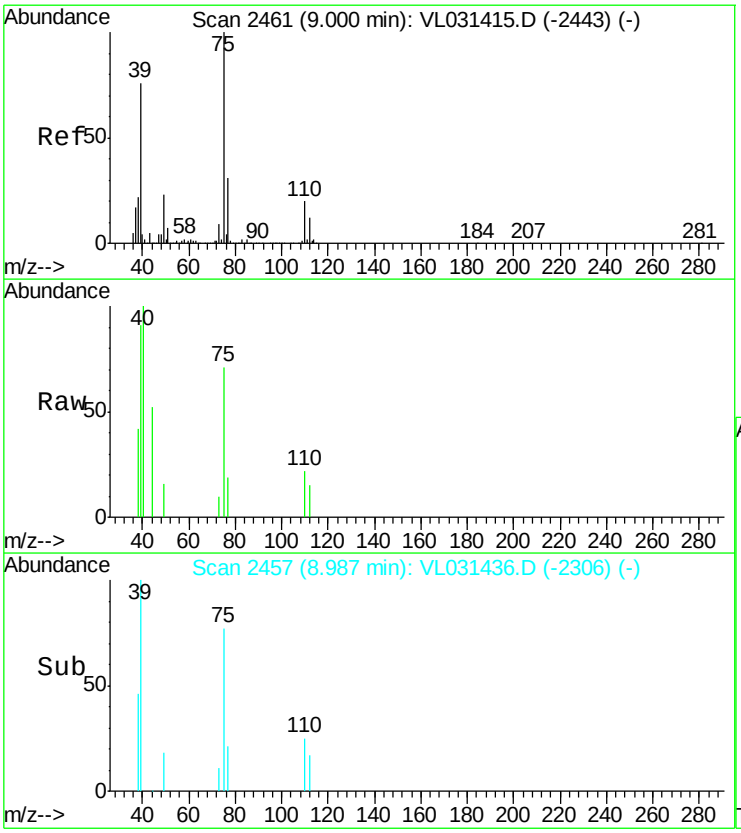
#45
t-1,3-Dichloropropene
Concen: 0.01 ppbv
RT: 9.58 min Scan# 2642
Delta R.T. 0.00 min
Lab File: VL031436.D
Acq: 23 Jan 2018 3:52

Instrument :
MSVOA_L
ClientSampleId :
MDL-AIR-4

Tgt Ion: 75 Resp: 990

Ion	Ratio	Lower	Upper
75	100		
77	37.0	25.3	37.9

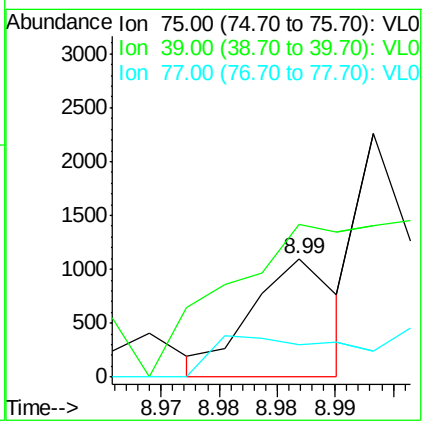


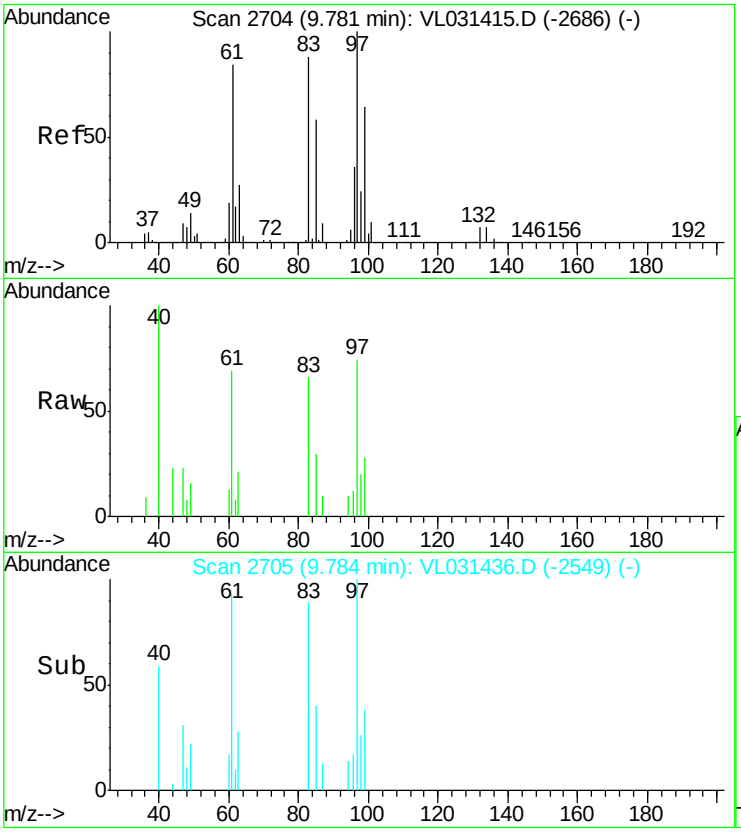


#46
cis-1,3-Dichloropropene
Concen: 0.00 ppbv
RT: 8.99 min Scan# 2457
Delta R.T. -0.02 min
Lab File: VL031436.D
Acq: 23 Jan 2018 3:52

Tgt Ion: 75 Resp: 561

Ion	Ratio	Lower	Upper
75	100		
39	85.5	59.4	89.0
77	33.5	25.0	37.4



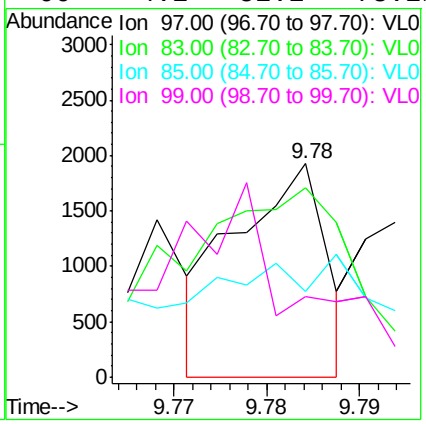


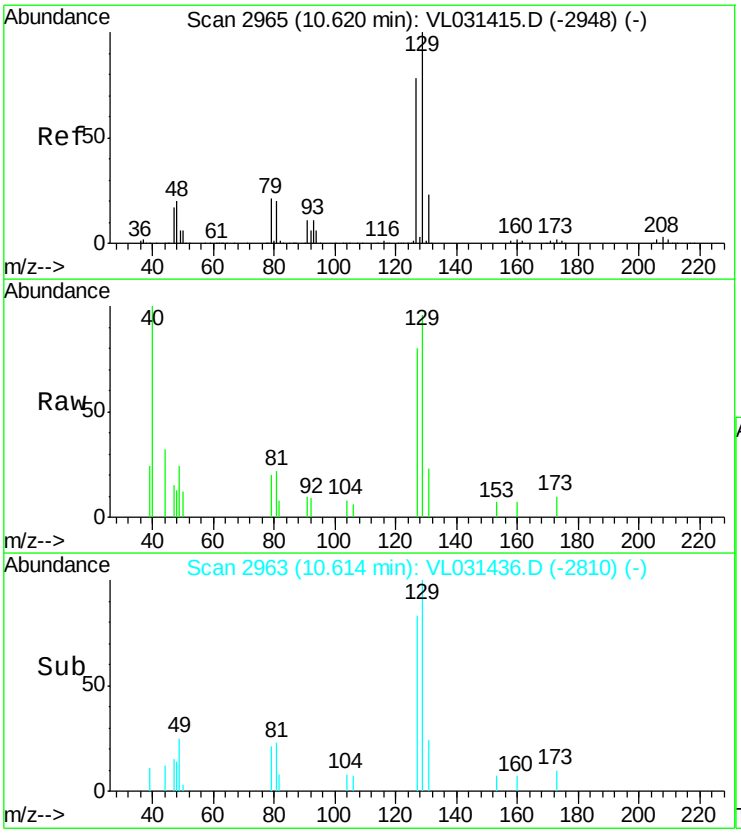
#47
1,1,2-Trichloroethane
Concen: 0.01 ppbv
RT: 9.78 min Scan# 2705
Delta R.T. 0.00 min
Lab File: VL031436.D
Acq: 23 Jan 2018 3:52

Instrument : MSVOA_L
ClientSampleId : MDL-AIR-4

Tgt Ion: 97 Resp: 1320

Ion	Ratio	Lower	Upper
97	100		
83	74.7	71.4	107.2
85	10.6	46.2	69.2#
99	4.2	52.2	78.2#

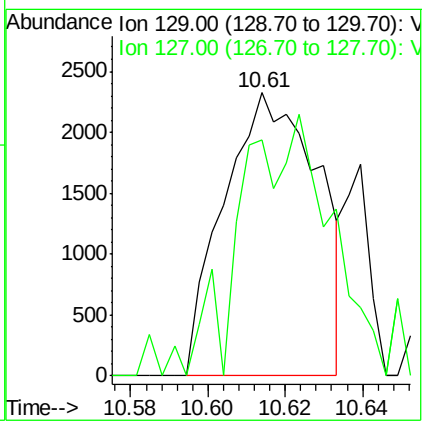


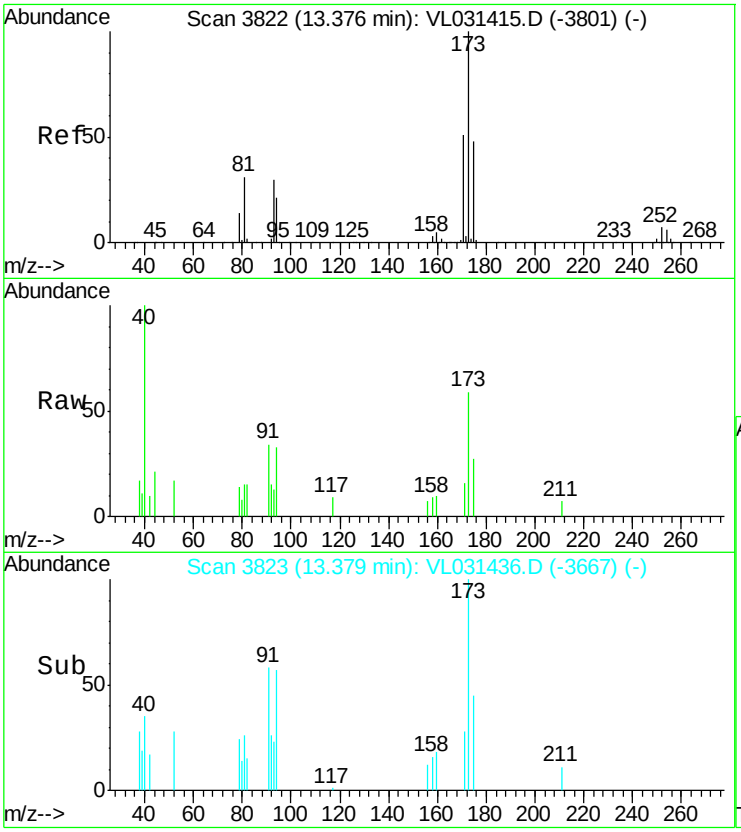


#48
Dibromochloromethane
Concen: 0.02 ppbv
RT: 10.61 min Scan# 2963
Delta R.T. -0.01 min
Lab File: VL031436.D
Acq: 23 Jan 2018 3:52

Tgt Ion:129 Resp: 3924

Ion	Ratio	Lower	Upper
129	100		
127	93.0	39.4	118.1



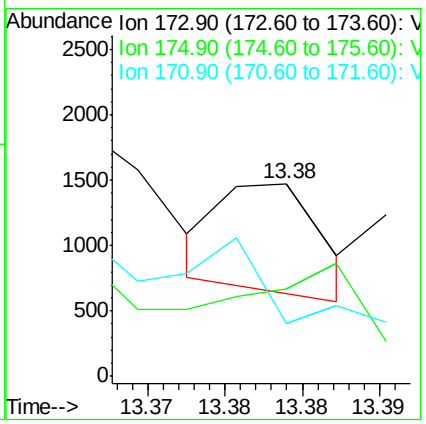


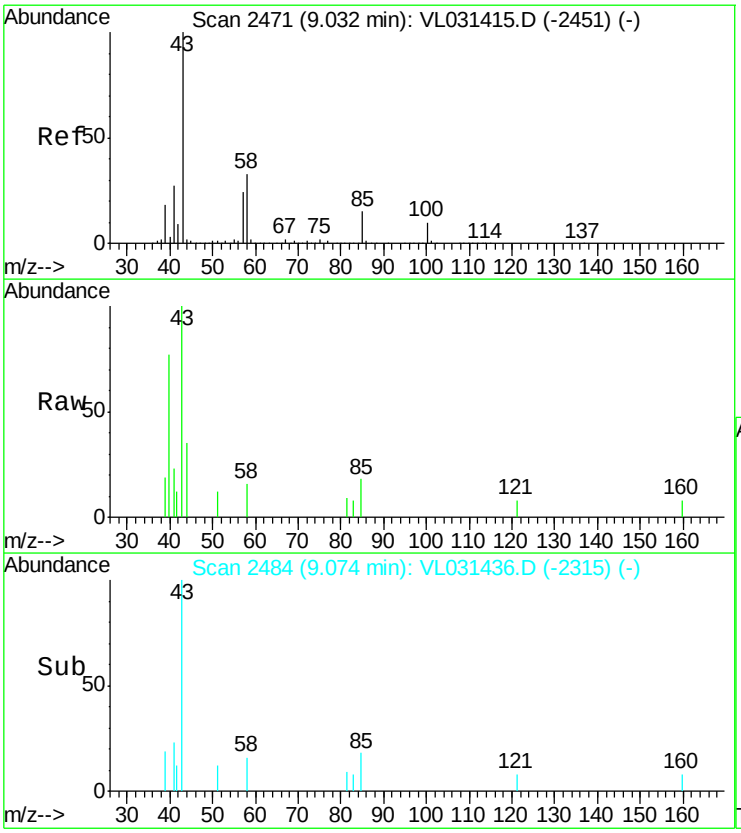
#49
Bromoform
Concen: 0.00 ppbv
RT: 13.38 min Scan# 3823
Delta R.T. 0.00 min
Lab File: VL031436.D
Acq: 23 Jan 2018 3:52

Instrument : MSVOA_L
ClientSampleId : MDL-AIR-4

Tgt Ion:173 Resp: 358

Ion	Ratio	Lower	Upper
173	100		
175	0.0	39.0	58.4#
171	0.0	42.0	63.0#

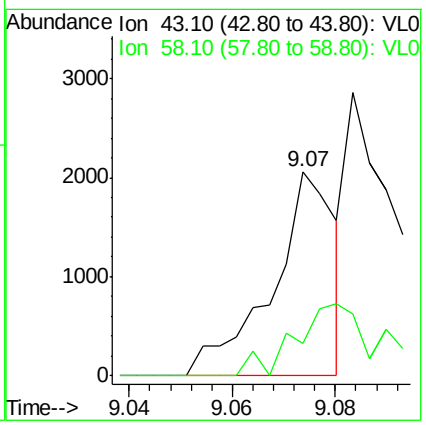


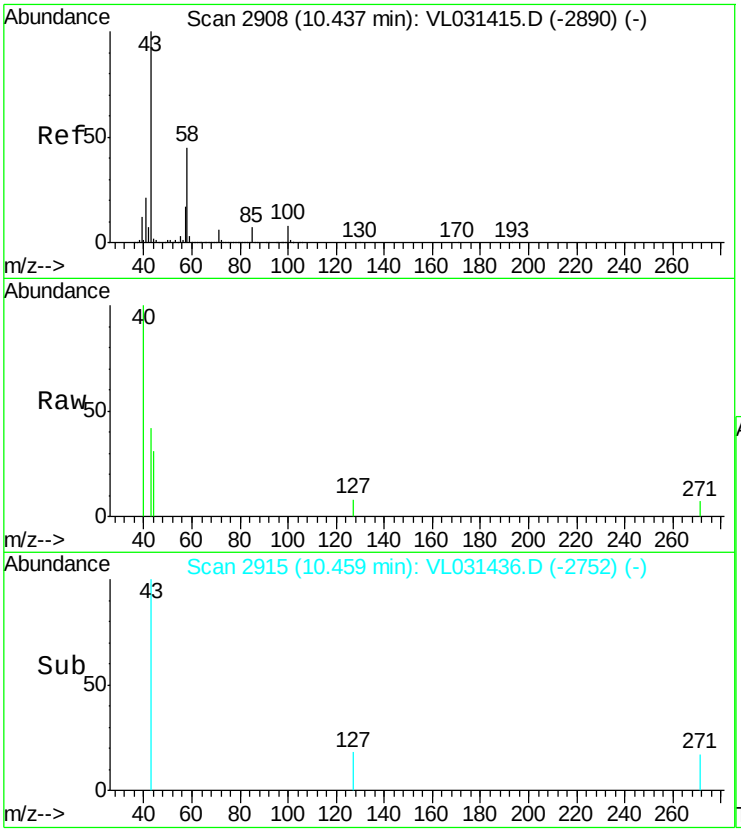


#50
4-Methyl-2-Pentanone
Concen: 0.01 ppbv
RT: 9.07 min Scan# 2484
Delta R.T. 0.04 min
Lab File: VL031436.D
Acq: 23 Jan 2018 3:52

Tgt Ion: 43 Resp: 1734

Ion	Ratio	Lower	Upper
43	100		
58	0.0	27.1	40.7#



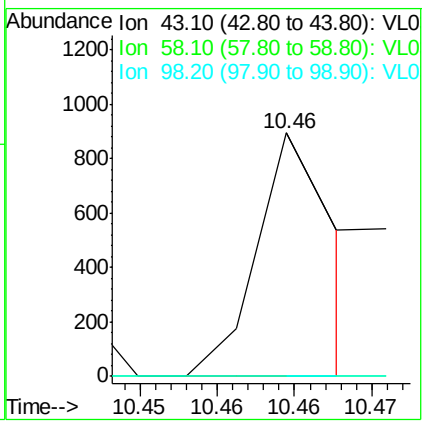


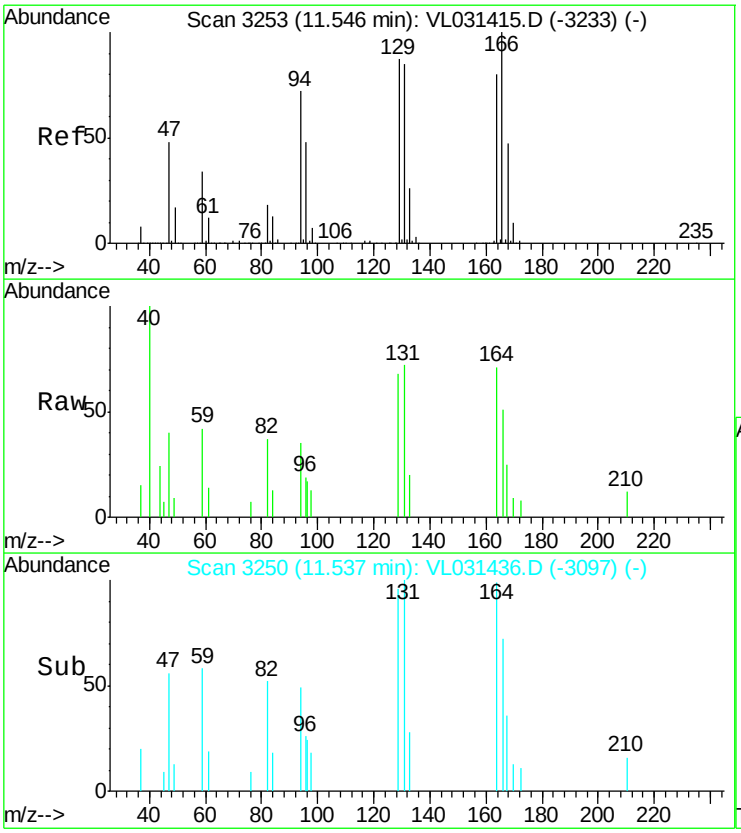
#51
2-Hexanone
Concen: 0.00 ppbv
RT: 10.46 min Scan# 2915
Delta R.T. 0.02 min
Lab File: VL031436.D
Acq: 23 Jan 2018 3:52

Instrument : MSVOA_L
ClientSampleId : MDL-AIR-4

Tgt Ion: 43 Resp: 310

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

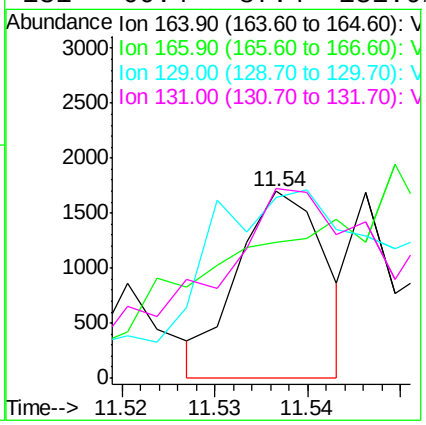


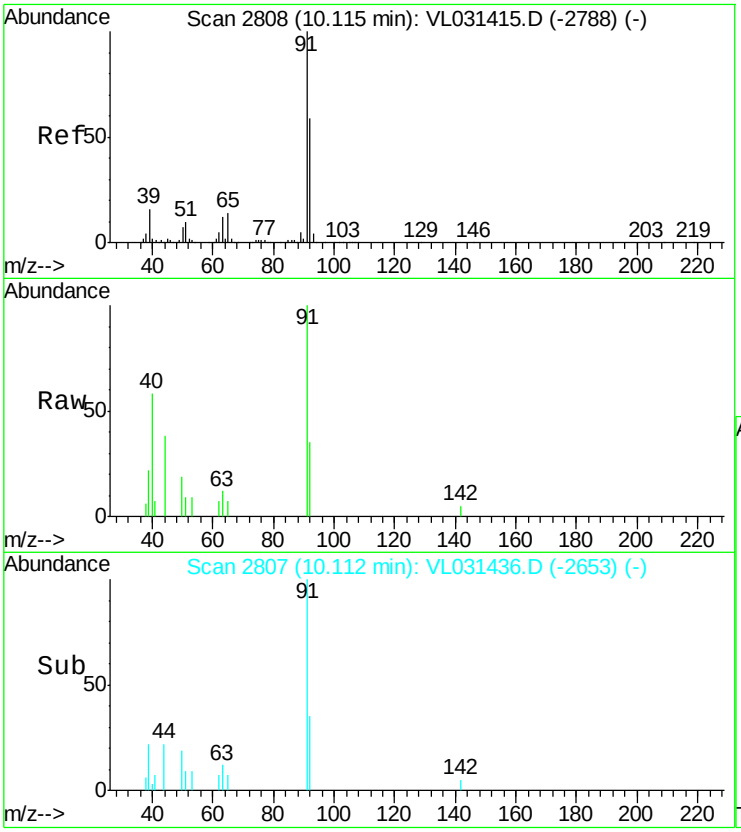


#52
Tetrachloroethene
Concen: 0.01 ppbv
RT: 11.54 min Scan# 3250
Delta R.T. -0.01 min
Lab File: VL031436.D
Acq: 23 Jan 2018 3:52

Tgt Ion:164 Resp: 1116

Ion	Ratio	Lower	Upper
164	100		
166	29.9	100.2	150.2#
129	73.2	91.4	137.0#
131	60.4	87.4	131.0#



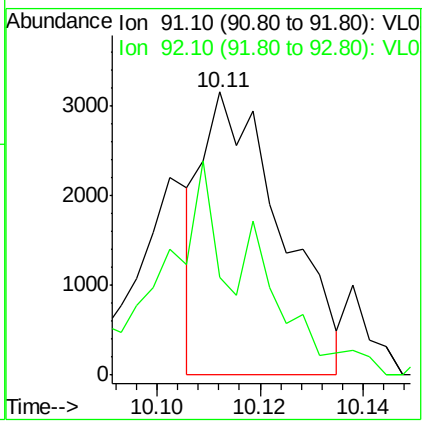


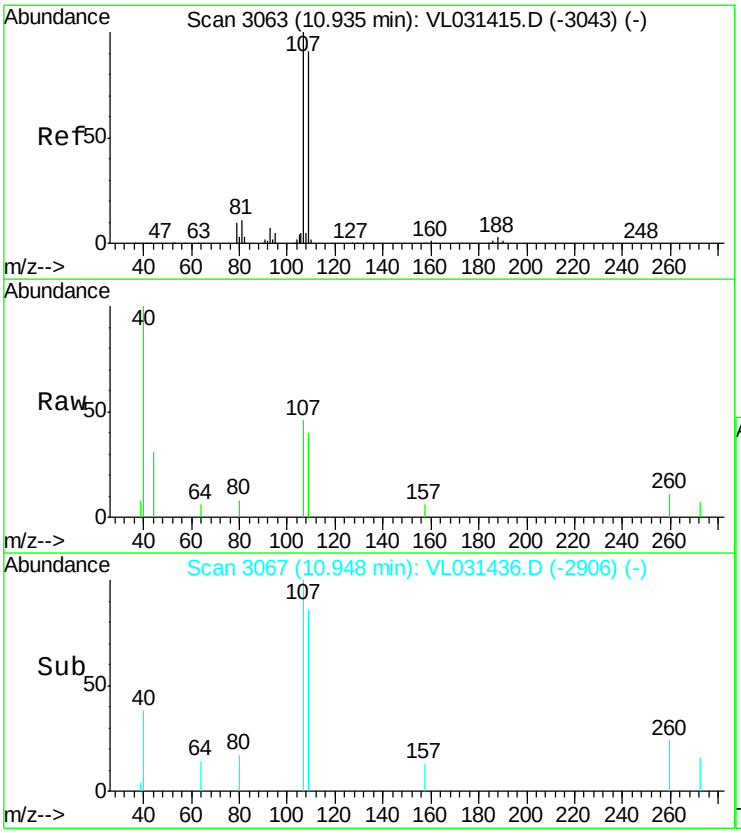
#53
Toluene
Concen: 0.01 ppbv
RT: 10.11 min Scan# 2807
Delta R.T. -0.01 min
Lab File: VL031436.D
Acq: 23 Jan 2018 3:52

Instrument : MSVOA_L
ClientSampleId : MDL-AIR-4

Tgt Ion: 91 Resp: 3339

Ion	Ratio	Lower	Upper
91	100		
92	88.0	47.8	71.6#

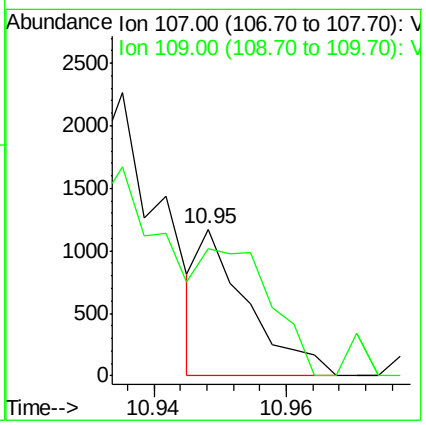


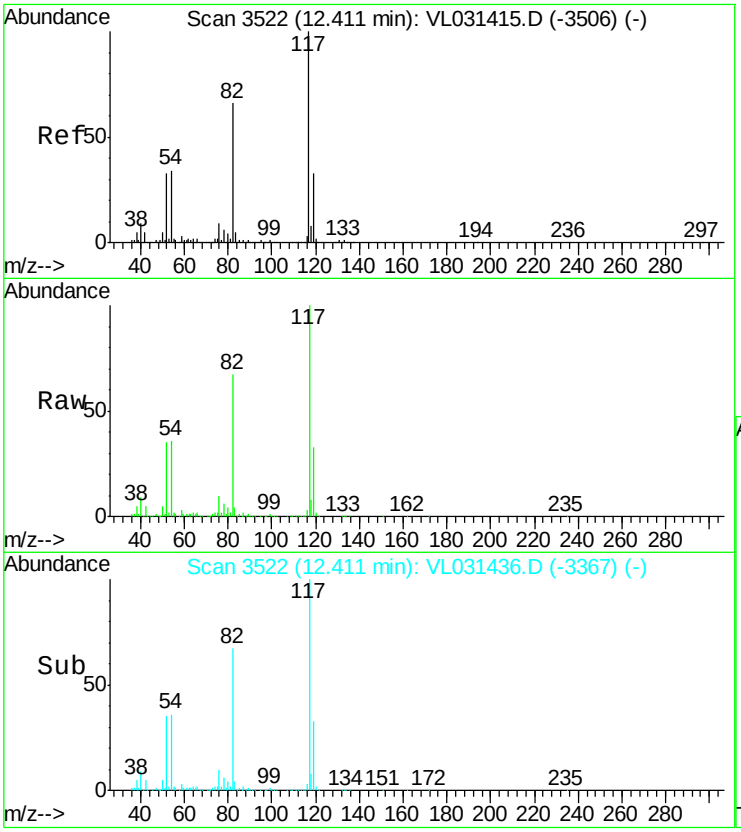


#54
1,2-Dibromoethane
Concen: 0.00 ppbv
RT: 10.95 min Scan# 3067
Delta R.T. 0.02 min
Lab File: VL031436.D
Acq: 23 Jan 2018 3:52

Tgt Ion:107 Resp: 602

Ion	Ratio	Lower	Upper
107	100		
109	86.5	75.5	113.3



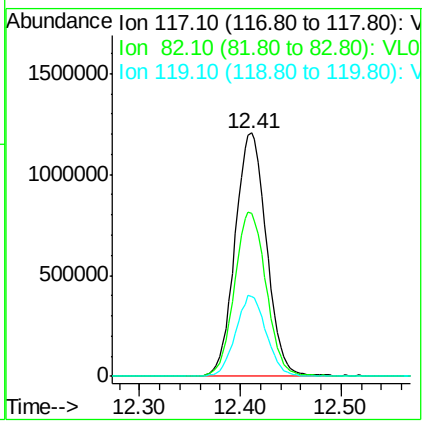


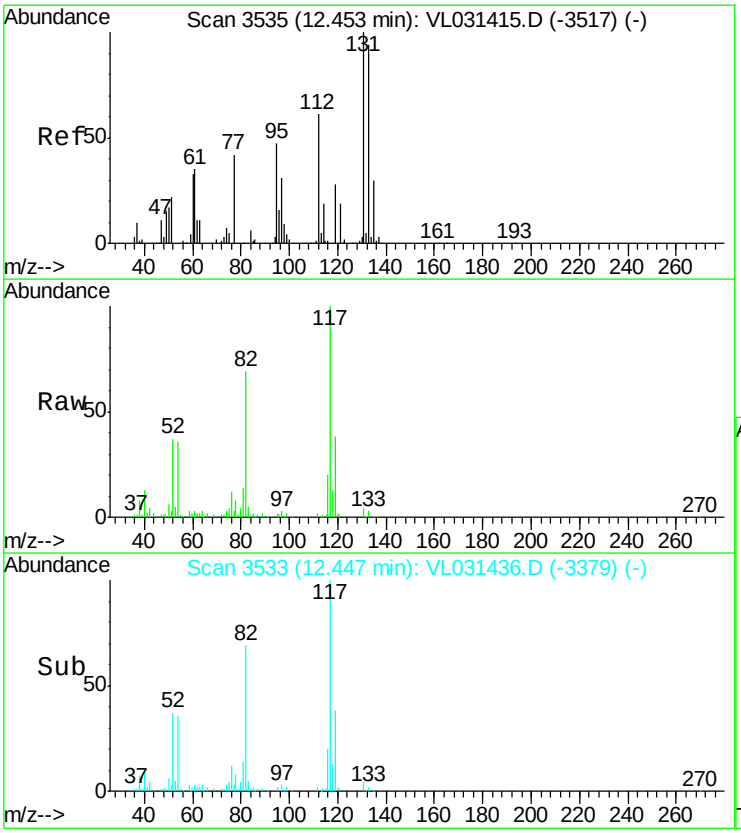
#55
Chlorobenzene-d5
Concen: 10.00 ppbv
RT: 12.41 min Scan# 3522
Delta R.T. -0.00 min
Lab File: VL031436.D
Acq: 23 Jan 2018 3:52

Instrument :
MSVOA_L
ClientSampleId :
MDL-AIR-4

Tgt Ion:117 Resp: 2603116

Ion	Ratio	Lower	Upper
117	100		
82	68.6	51.8	77.6
119	32.4	24.2	36.2

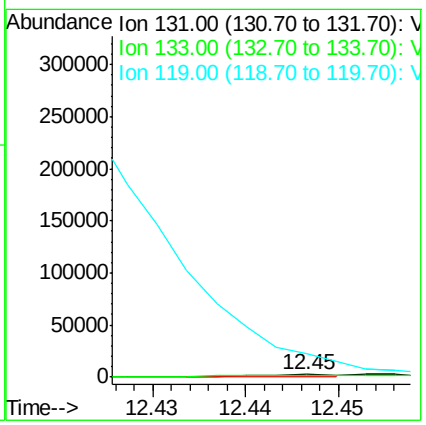


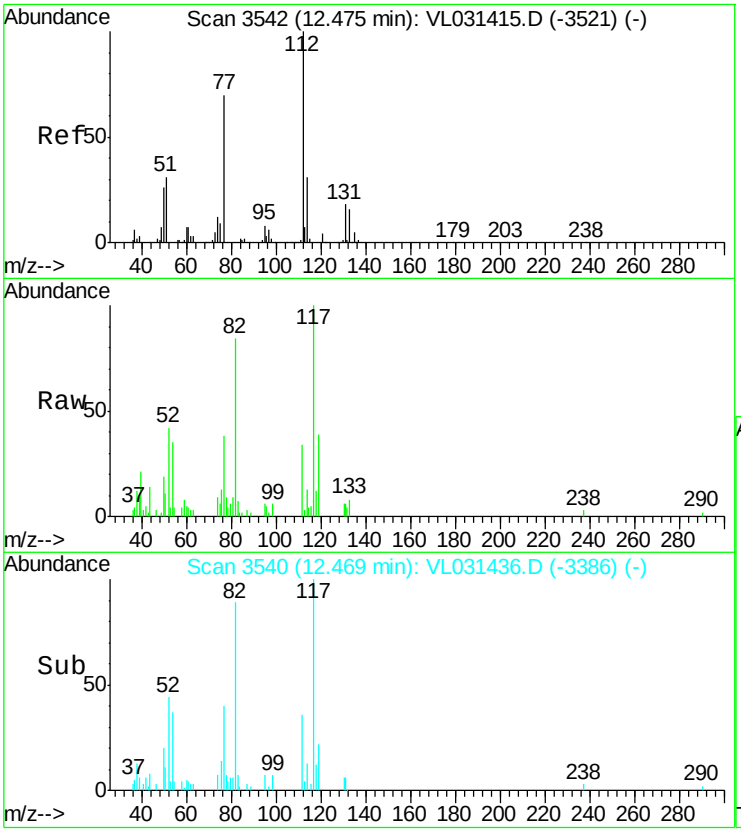


#56
1,1,1,2-Tetrachloroethane
Concen: 0.01 ppbv
RT: 12.45 min Scan# 3533
Delta R.T. -0.01 min
Lab File: VL031436.D
Acq: 23 Jan 2018 3:52

Tgt Ion:131 Resp: 1500

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



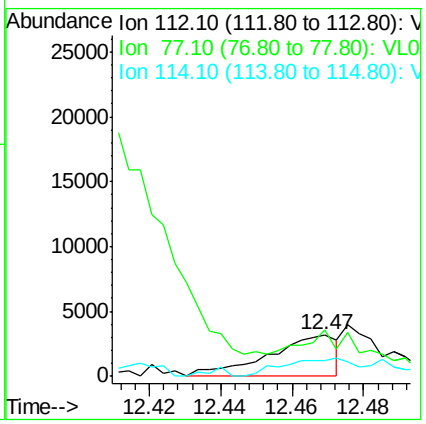


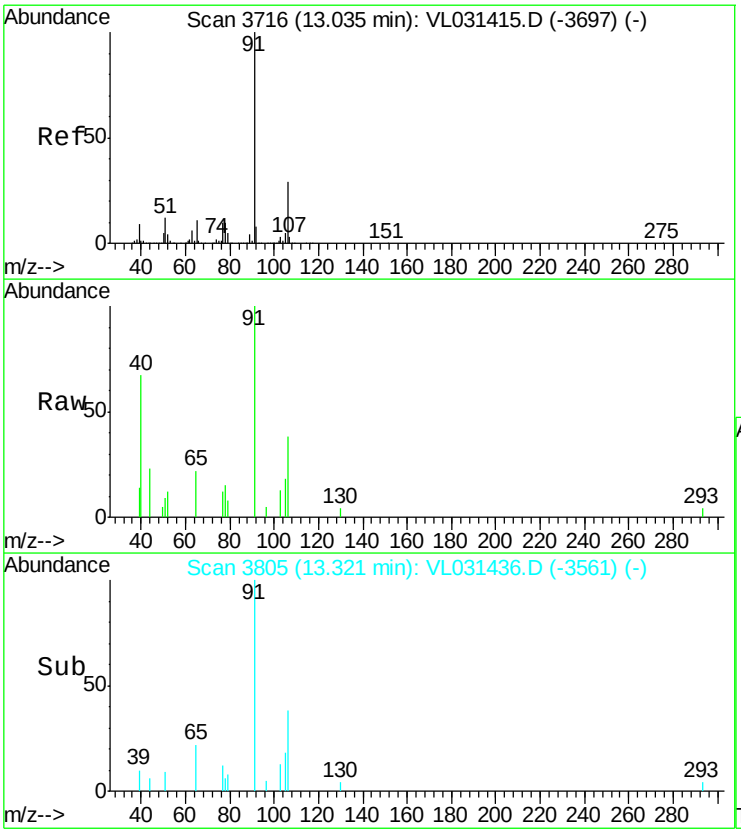
#57
Chlorobenzene
Concen: 0.02 ppbv
RT: 12.47 min Scan# 3540
Delta R.T. -0.01 min
Lab File: VL031436.D
Acq: 23 Jan 2018 3:52

Instrument : MSVOA_L
ClientSampleId : MDL-AIR-4

Tgt Ion:112 Resp: 4277

Ion	Ratio	Lower	Upper
112	100		
77	47.3	56.0	84.0#
114	51.4	29.1	35.5#

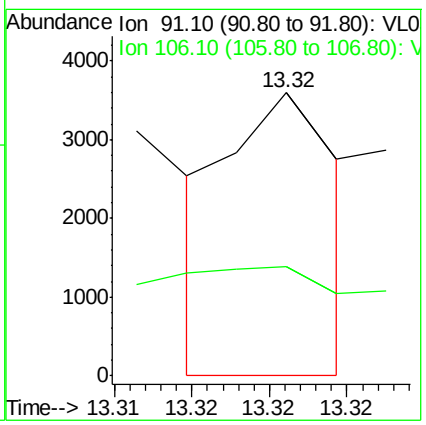


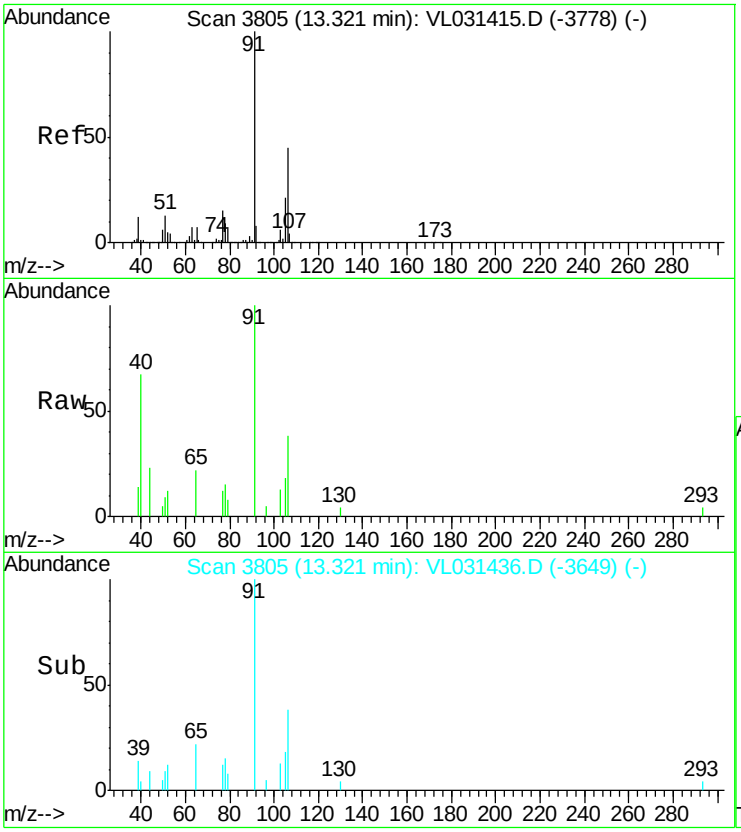


#58
Ethyl Benzene
Concen: 0.00 ppbv
RT: 13.32 min Scan# 3805
Delta R.T. 0.28 min
Lab File: VL031436.D
Acq: 23 Jan 2018 3:52

Tgt Ion: 91 Resp: 1770

Ion	Ratio	Lower	Upper
91	100		
106	30.9	23.8	35.6



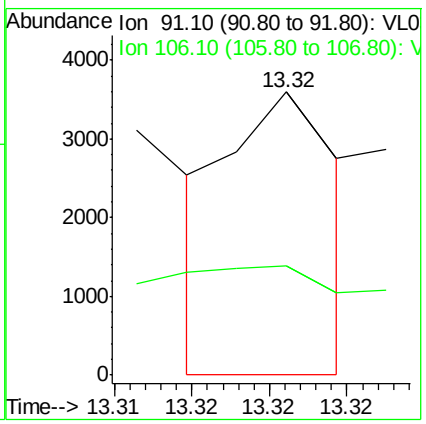


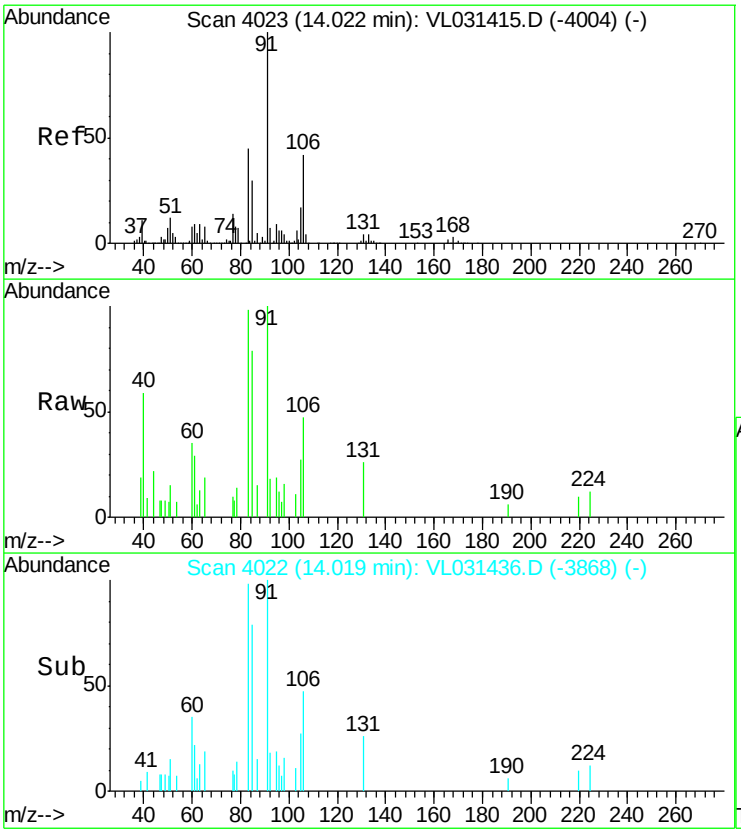
#59
m/p-Xylene
Concen: 0.01 ppbv
RT: 13.32 min Scan# 3805
Delta R.T. 0.00 min
Lab File: VL031436.D
Acq: 23 Jan 2018 3:52

Instrument : MSVOA_L
ClientSampleId : MDL-AIR-4

Tgt Ion: 91 Resp: 1770

Ion	Ratio	Lower	Upper
91	100		
106	113.5	35.6	53.4#

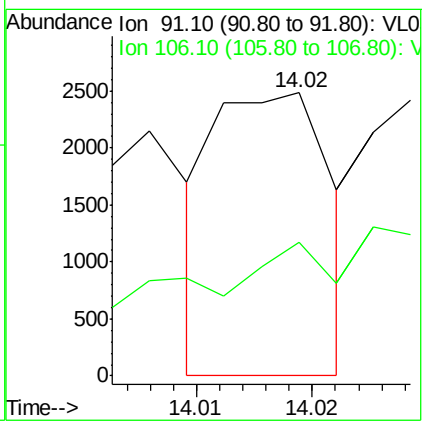


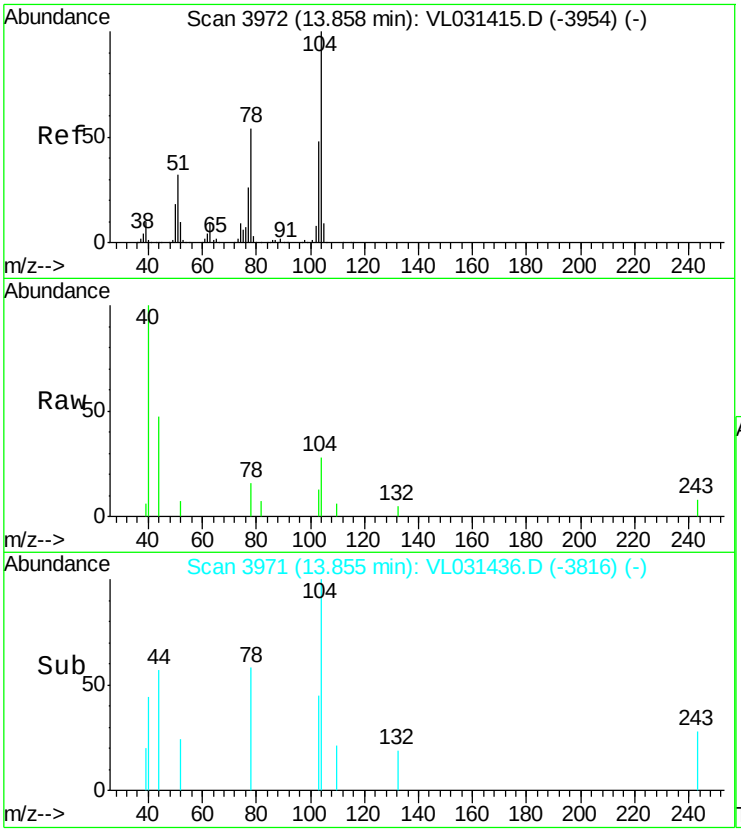


#60
o-Xylene
Concen: 0.01 ppbv
RT: 14.02 min Scan# 4022
Delta R.T. -0.01 min
Lab File: VL031436.D
Acq: 23 Jan 2018 3:52

Tgt Ion: 91 Resp: 1718

Ion	Ratio	Lower	Upper
91	100		
106	0.0	21.3	64.0#



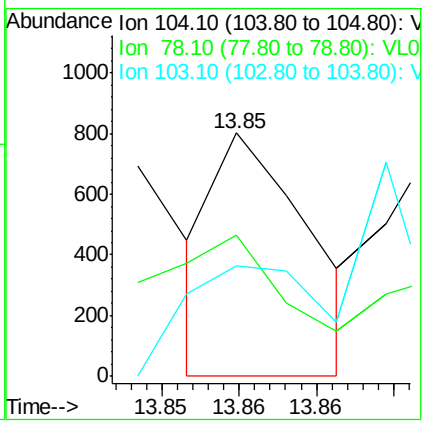


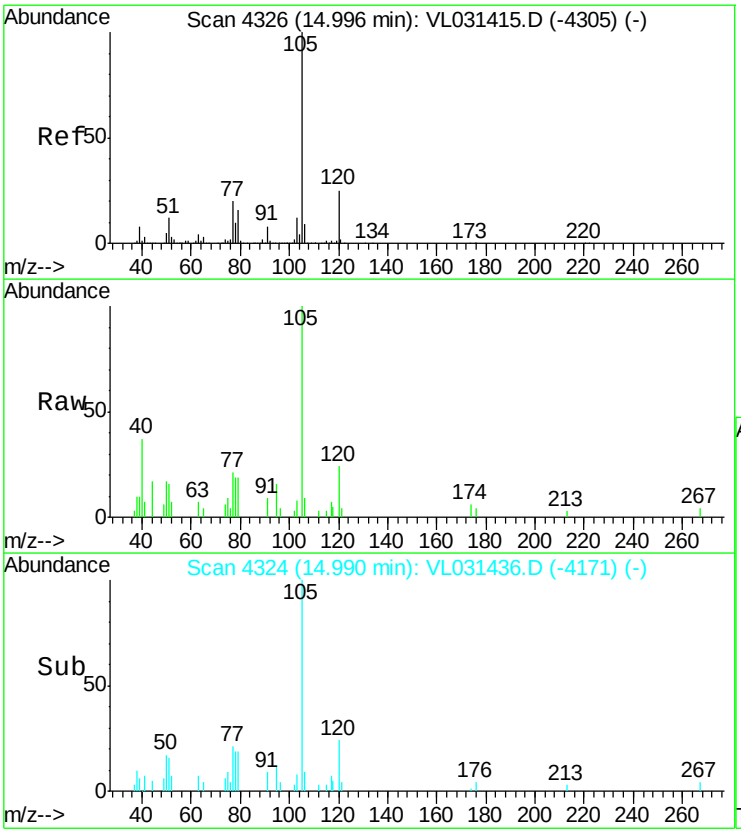
#61
Styrene
Concen: 0.00 ppbv
RT: 13.85 min Scan# 3971
Delta R.T. -0.00 min
Lab File: VL031436.D
Acq: 23 Jan 2018 3:52

Instrument :
MSVOA_L
ClientSampleId :
MDL-AIR-4

Tgt Ion:104 Resp: 339

Ion	Ratio	Lower	Upper
104	100		
78	169.6	45.4	68.0#
103	0.0	38.6	57.8#

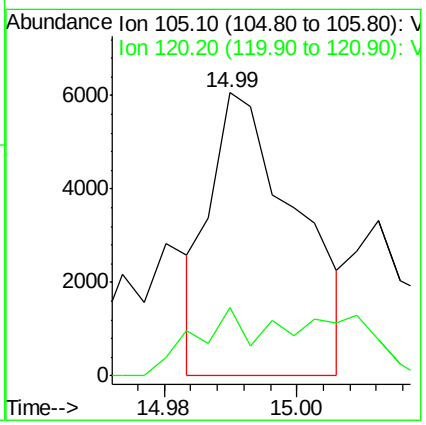


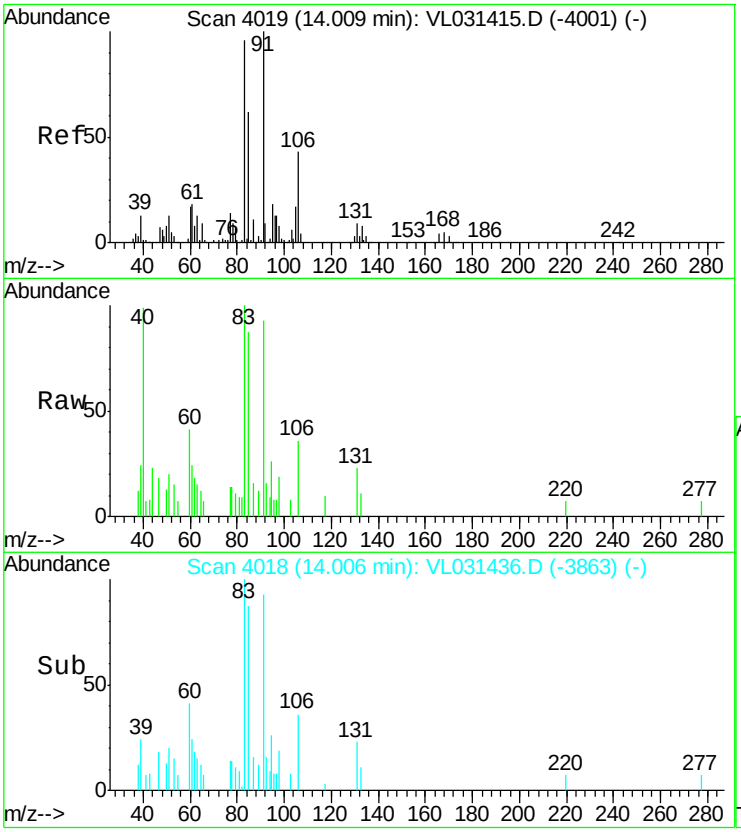


#62
Isopropylbenzene
Concen: 0.01 ppbv
RT: 14.99 min Scan# 4324
Delta R.T. -0.01 min
Lab File: VL031436.D
Acq: 23 Jan 2018 3:52

Tgt Ion:105 Resp: 5443

Ion	Ratio	Lower	Upper
105	100		
120	41.2	19.9	29.9#



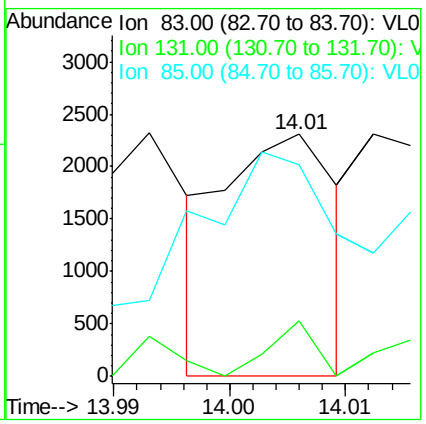


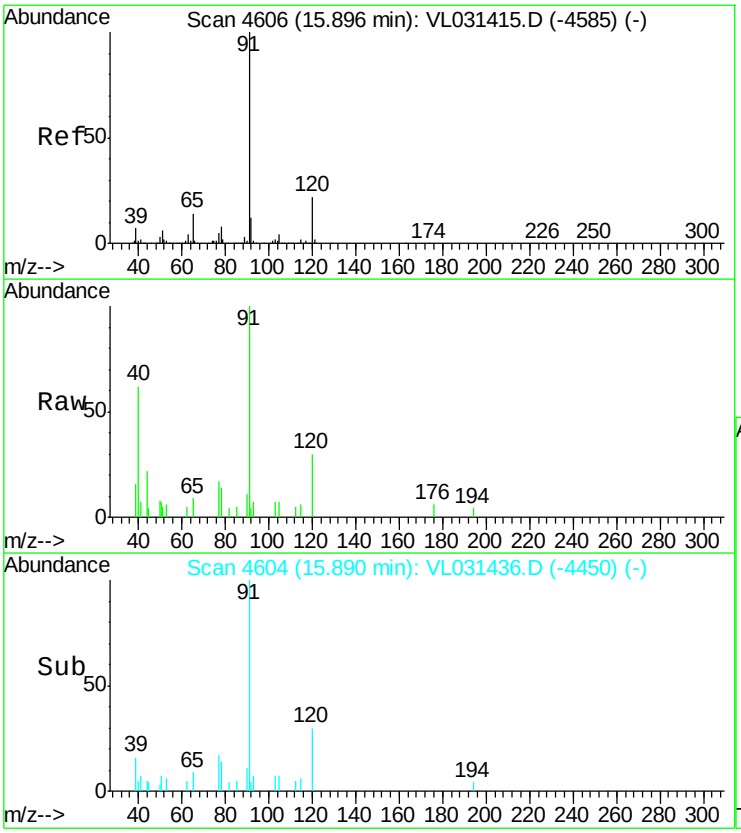
#63
1,1,2,2-Tetrachloroethane
Concen: 0.01 ppbv
RT: 14.01 min Scan# 4018
Delta R.T. -0.00 min
Lab File: VL031436.D
Acq: 23 Jan 2018 3:52

Instrument :
MSVOA_L
ClientSampleId :
MDL-AIR-4

Tgt Ion: 83 Resp: 1556

Ion	Ratio	Lower	Upper
83	100		
131	0.0	4.8	14.3#
85	273.1	32.4	97.0#

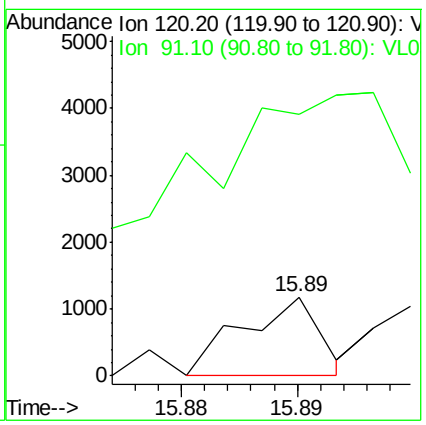


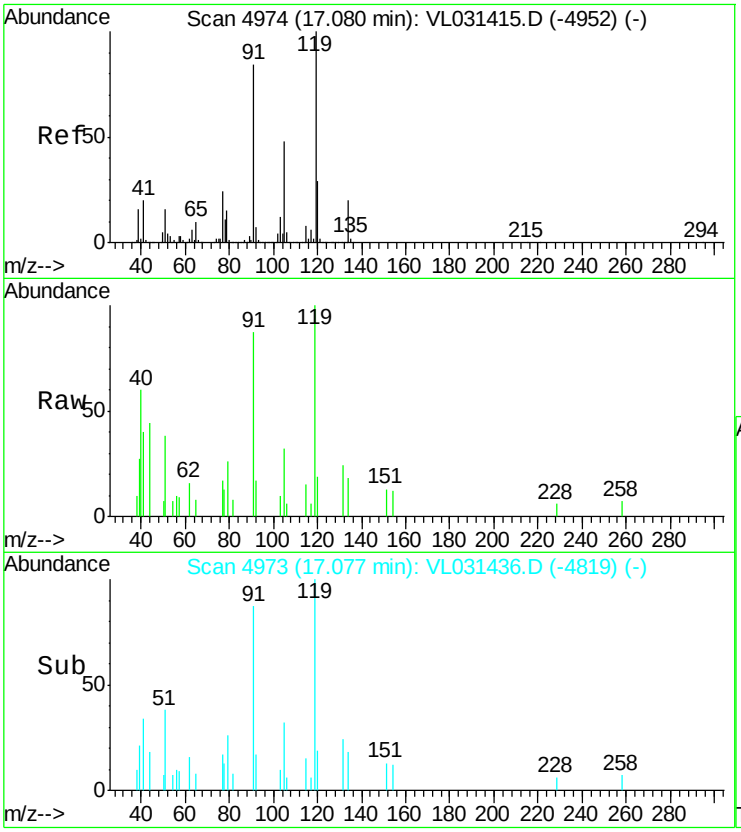


#64
n-propylbenzene
Concen: 0.01 ppbv
RT: 15.89 min Scan# 4604
Delta R.T. -0.01 min
Lab File: VL031436.D
Acq: 23 Jan 2018 3:52

Tgt Ion:120 Resp: 551

Ion	Ratio	Lower	Upper
120	100		
91	0.0	389.8	584.6#



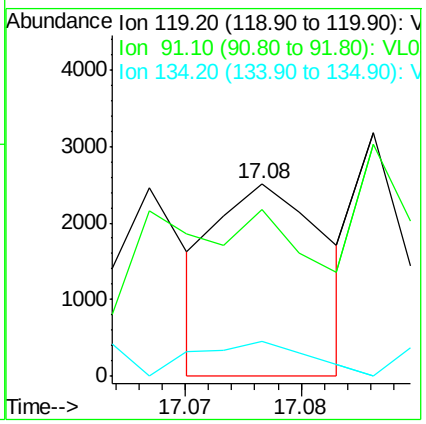


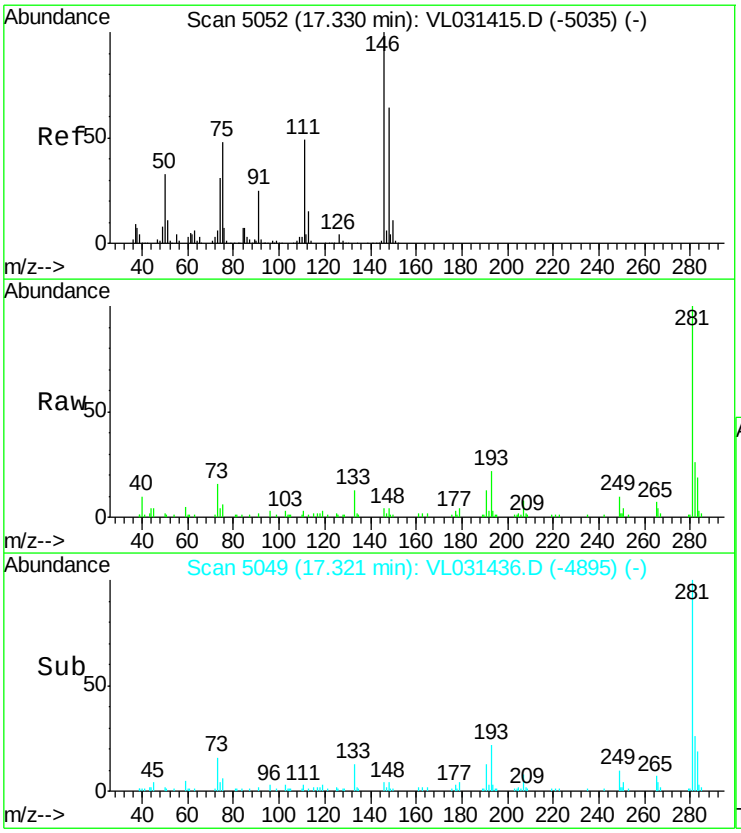
#65
tert-Butylbenzene
Concen: 0.00 ppbv
RT: 17.08 min Scan# 4973
Delta R.T. -0.01 min
Lab File: VL031436.D
Acq: 23 Jan 2018 3:52

Instrument : MSVOA_L
ClientSampleId : MDL-AIR-4

Tgt Ion:119 Resp: 1633

Ion	Ratio	Lower	Upper
119	100		
91	0.0	69.0	103.6#
134	47.6	15.7	23.5#

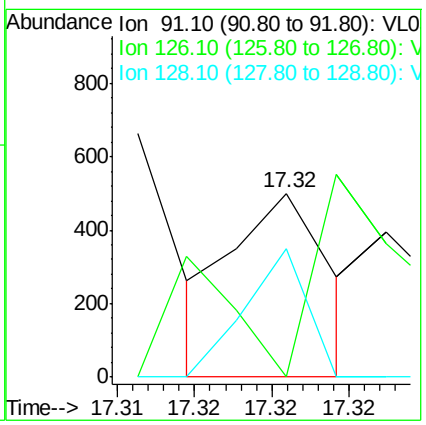


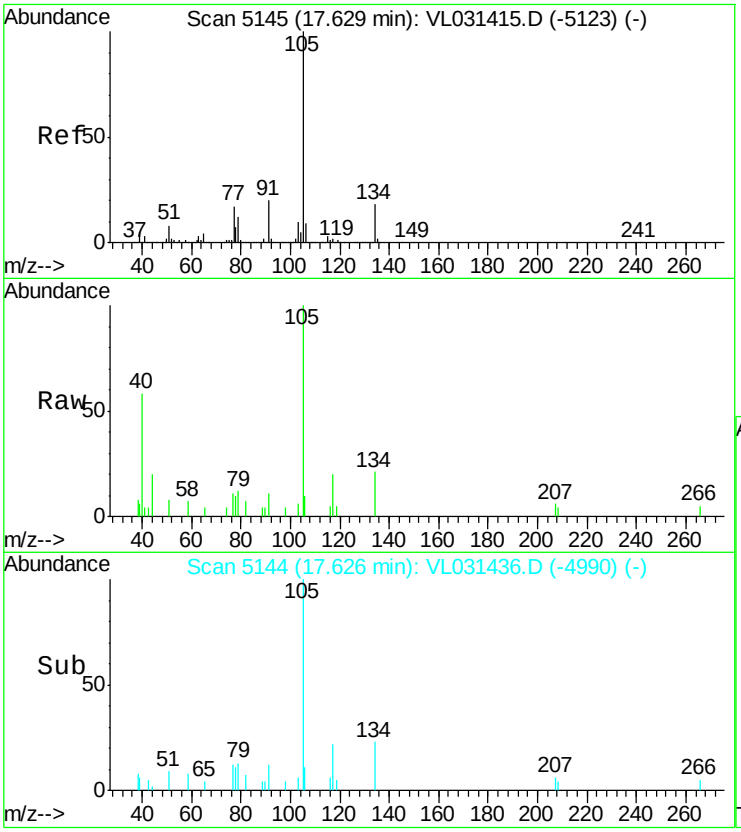


#66
Benzyl Chloride
Concen: 0.01 ppbv
RT: 17.32 min Scan# 5049
Delta R.T. -0.01 min
Lab File: VL031436.D
Acq: 23 Jan 2018 3:52

Tgt Ion: 91 Resp: 216

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



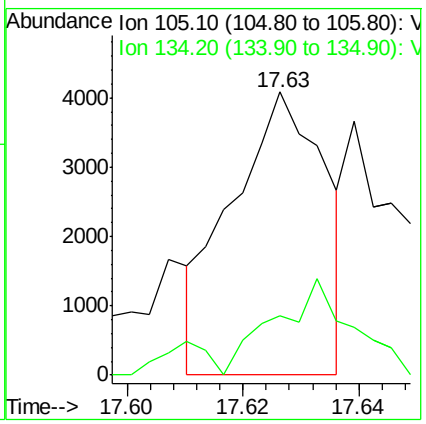


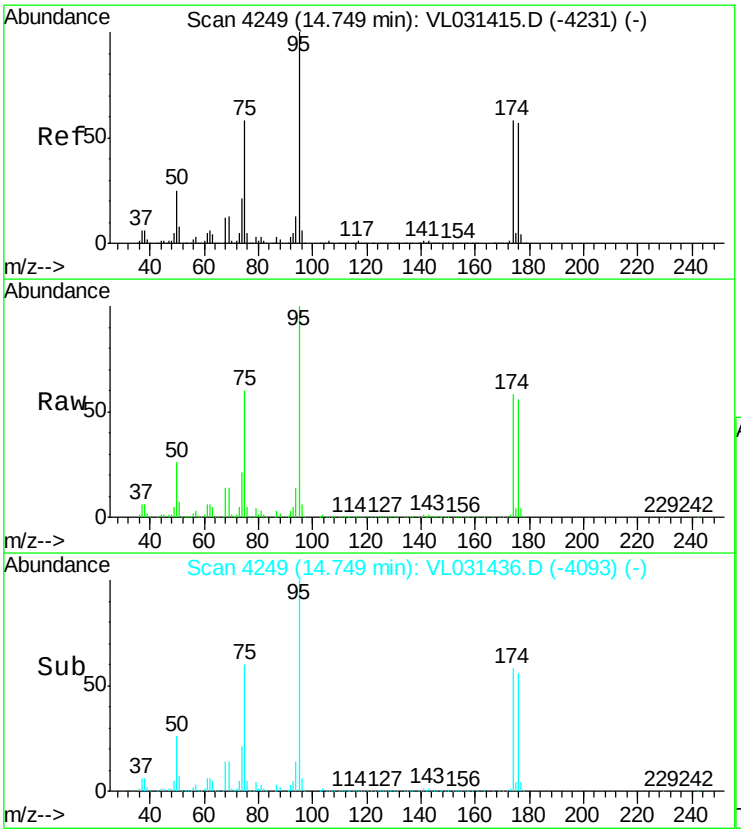
#67
sec-Butylbenzene
Concen: 0.01 ppbv
RT: 17.63 min Scan# 5144
Delta R.T. -0.01 min
Lab File: VL031436.D
Acq: 23 Jan 2018 3:52

Instrument : MSVOA_L
ClientSampleId : MDL-AIR-4

Tgt Ion:105 Resp: 4588

Ion	Ratio	Lower	Upper
105	100		
134	0.0	14.5	21.7#

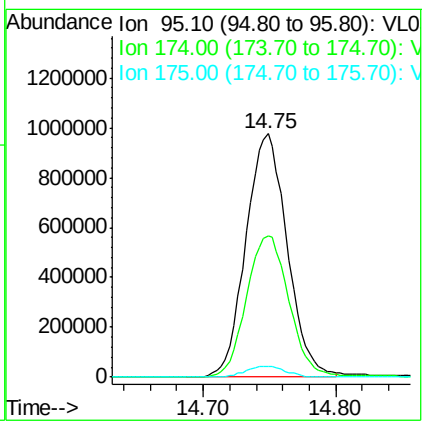


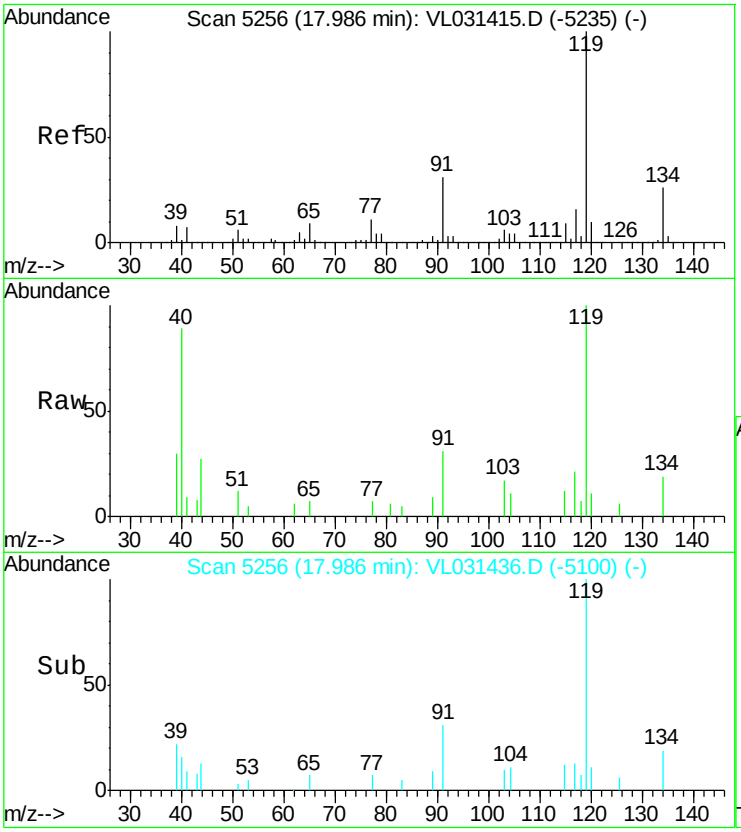


#68
1-Bromo-4-Fluorobenzene
Concen: 10.15 ppbv
RT: 14.75 min Scan# 4249
Delta R.T. 0.00 min
Lab File: VL031436.D
Acq: 23 Jan 2018 3:52

Tgt Ion: 95 Resp: 2115439

Ion	Ratio	Lower	Upper
95	100		
174	61.0	48.2	72.4
175	4.5	3.6	5.4



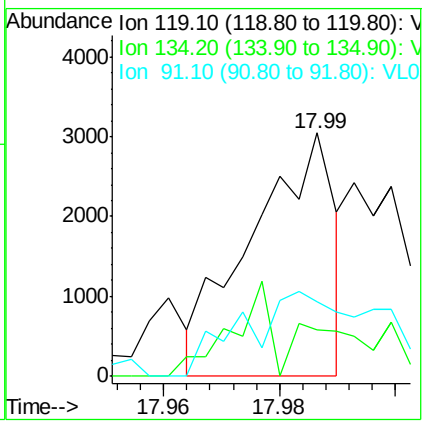


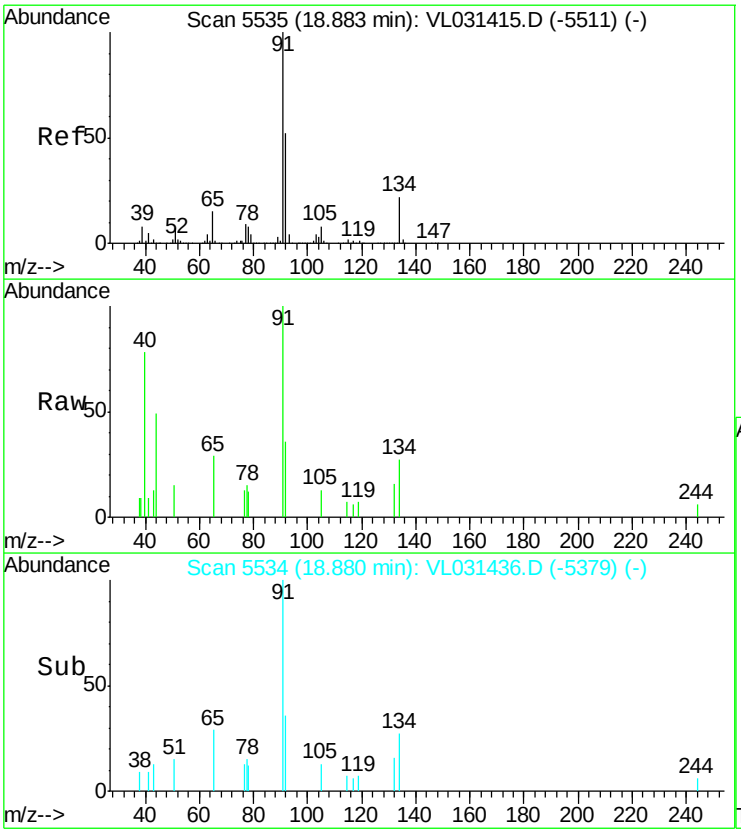
#69
p-Isopropyltoluene
Concen: 0.01 ppbv
RT: 17.99 min Scan# 5256
Delta R.T. 0.00 min
Lab File: VL031436.D
Acq: 23 Jan 2018 3:52

Instrument : MSVOA_L
ClientSampleId : MDL-AIR-4

Tgt Ion:119 Resp: 3027

Ion	Ratio	Lower	Upper
119	100		
134	51.9	20.2	30.4#
91	81.0	25.0	37.4#

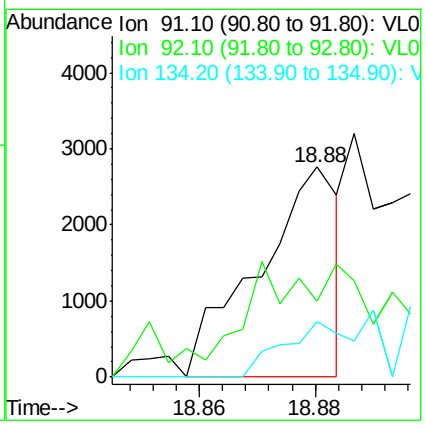


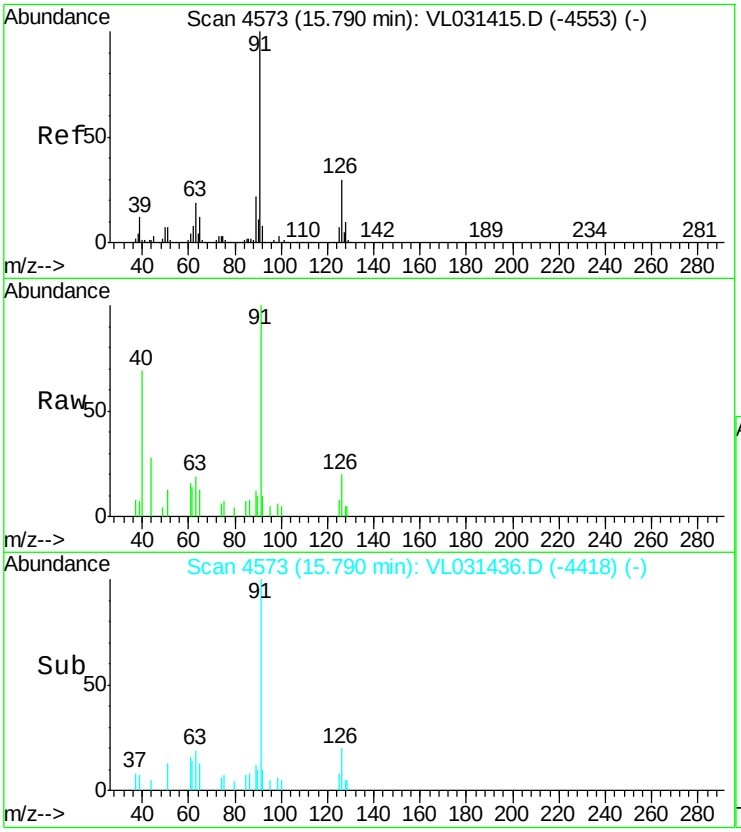


#70
n-Butylbenzene
Concen: 0.01 ppbv
RT: 18.88 min Scan# 5534
Delta R.T. -0.00 min
Lab File: VL031436.D
Acq: 23 Jan 2018 3:52

Tgt Ion: 91 Resp: 2660

Ion	Ratio	Lower	Upper
91	100		
92	96.1	42.2	63.4#
134	0.0	17.4	26.2#



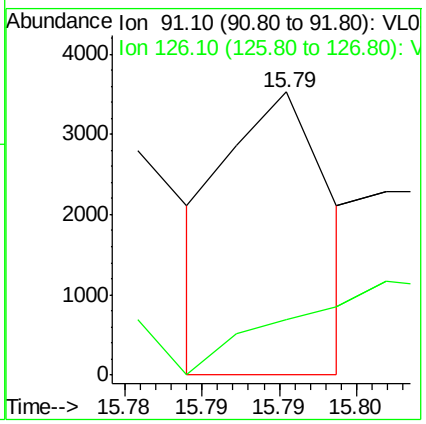


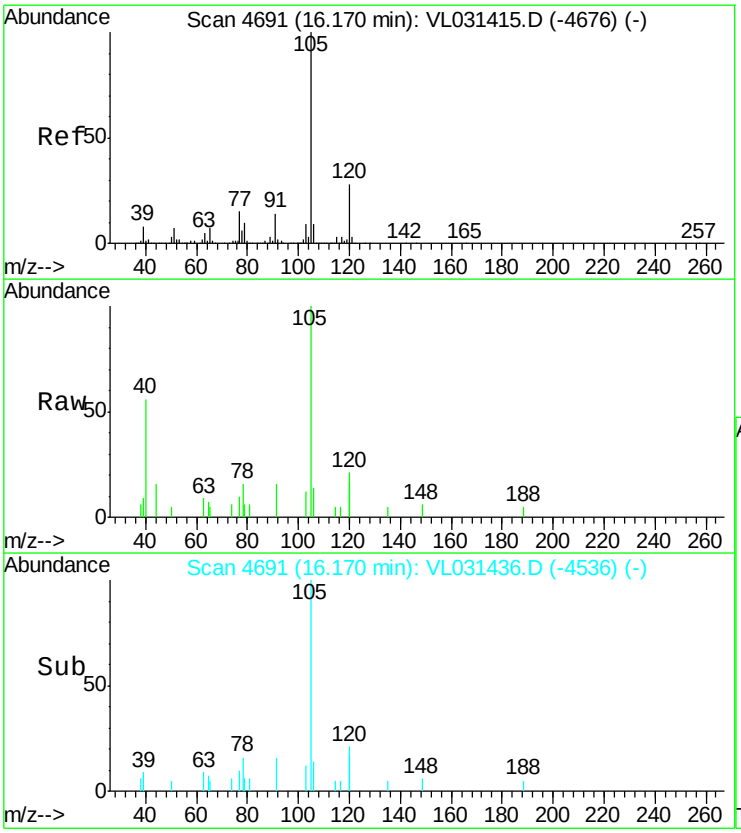
#71
2-Chlorotoluene
Concen: 0.01 ppbv
RT: 15.79 min Scan# 4573
Delta R.T. -0.00 min
Lab File: VL031436.D
Acq: 23 Jan 2018 3:52

Instrument : MSVOA_L
ClientSampleId : MDL-AIR-4

Tgt Ion: 91 Resp: 1641

Ion	Ratio	Lower	Upper
91	100		
126	0.0	11.7	46.9#

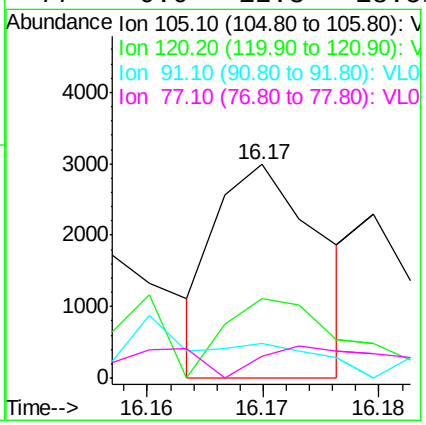


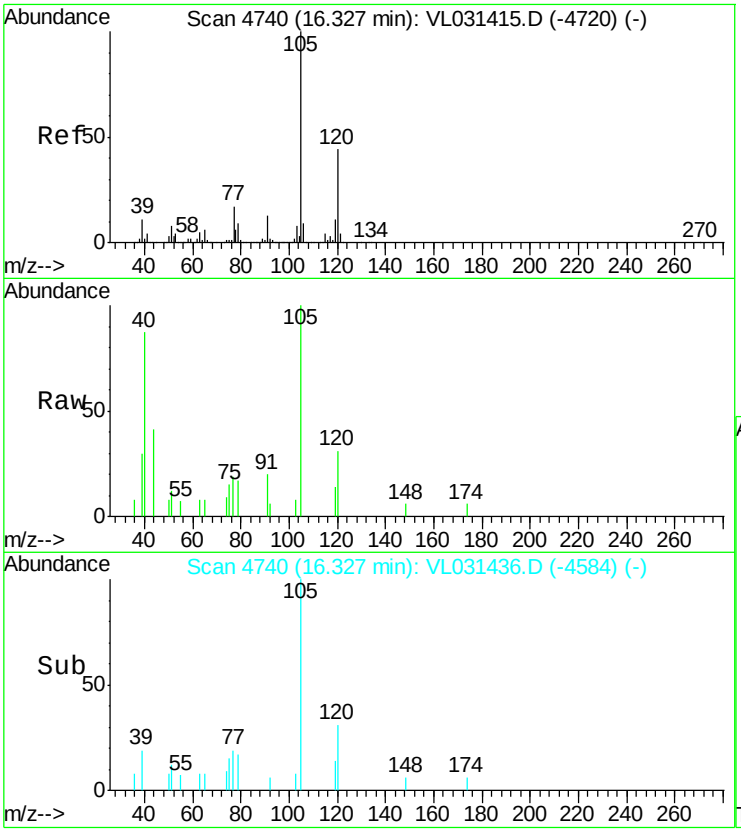


#72
4-Ethyltoluene
Concen: 0.01 ppbv
RT: 16.17 min Scan# 4691
Delta R.T. -0.00 min
Lab File: VL031436.D
Acq: 23 Jan 2018 3:52

Tgt Ion:105 Resp: 1864

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



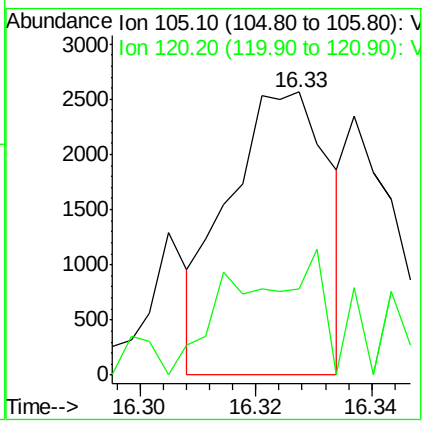


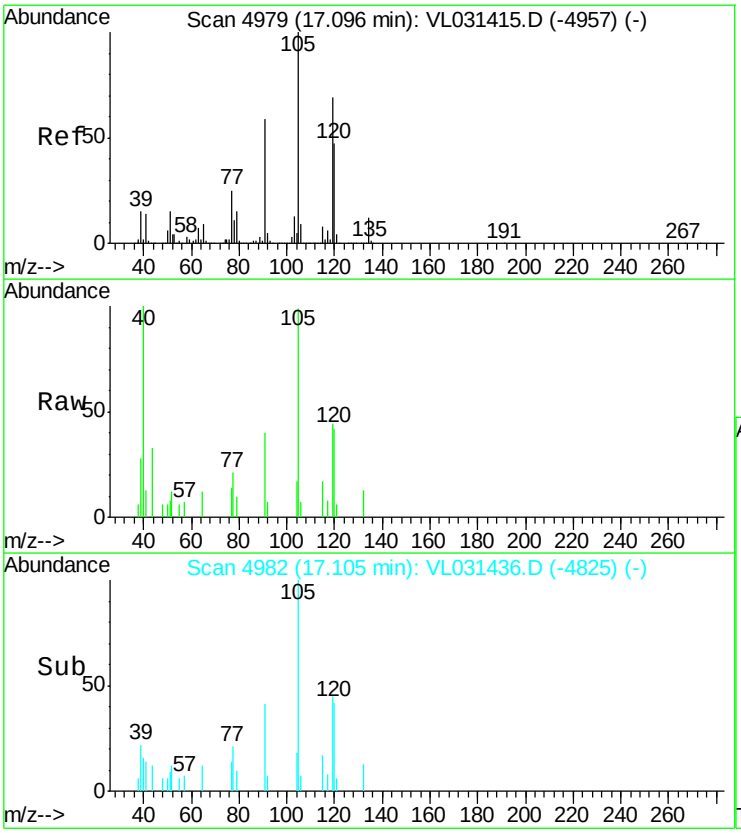
#73
1,3,5-Trimethylbenzene
Concen: 0.01 ppbv
RT: 16.33 min Scan# 4740
Delta R.T. 0.00 min
Lab File: VL031436.D
Acq: 23 Jan 2018 3:52

Instrument :
MSVOA_L
ClientSampleId :
MDL-AIR-4

Tgt Ion:105 Resp: 3102

Ion	Ratio	Lower	Upper
105	100		
120	48.8	35.8	53.6

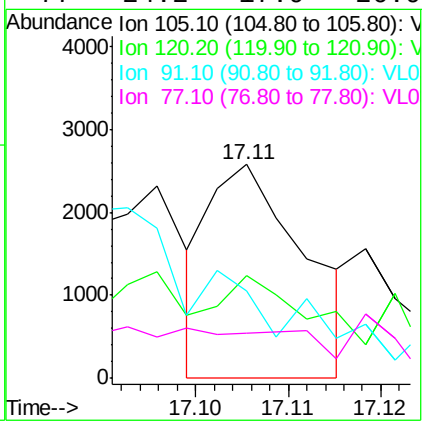


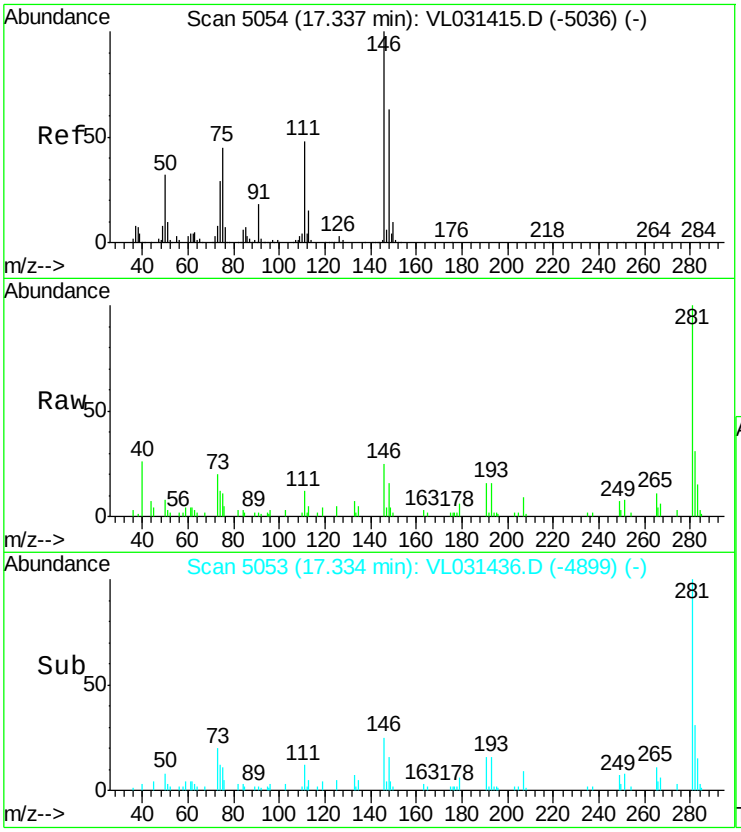


#74
1,2,4-Trimethylbenzene
Concen: 0.01 ppbv
RT: 17.11 min Scan# 4982
Delta R.T. 0.00 min
Lab File: VL031436.D
Acq: 23 Jan 2018 3:52

Tgt Ion:105 Resp: 1846

Ion	Ratio	Lower	Upper
105	100		
120	38.6	37.0	55.6
91	44.5	35.1	52.7
77	24.2	17.9	26.9



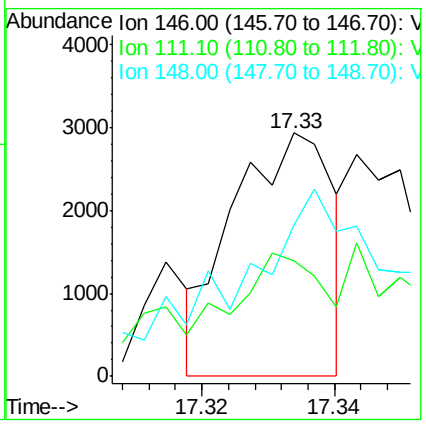


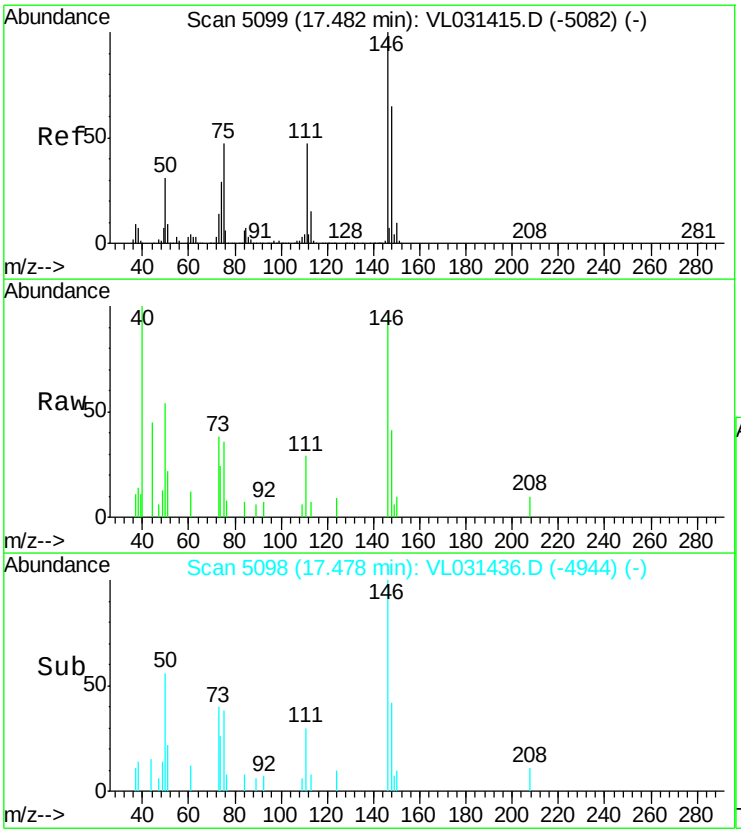
#75
1,3-Dichlorobenzene
Concen: 0.01 ppbv
RT: 17.33 min Scan# 5053
Delta R.T. -0.01 min
Lab File: VL031436.D
Acq: 23 Jan 2018 3:52

Instrument : MSVOA_L
ClientSampleId : MDL-AIR-4

Tgt Ion:146 Resp: 3078

Ion	Ratio	Lower	Upper
146	100		
111	0.0	24.2	72.6#
148	152.7	32.1	96.3#

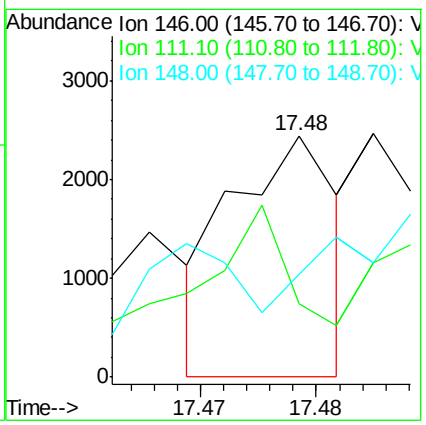


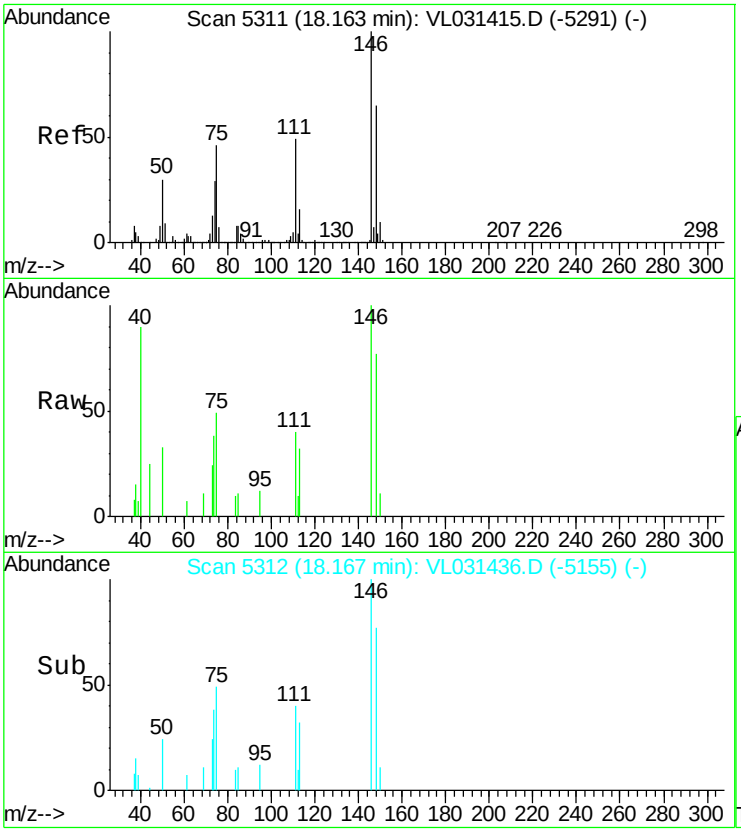


#76
1,4-Dichlorobenzene
Concen: 0.01 ppbv
RT: 17.48 min Scan# 5098
Delta R.T. -0.01 min
Lab File: VL031436.D
Acq: 23 Jan 2018 3:52

Tgt Ion:146 Resp: 1548

Ion	Ratio	Lower	Upper
146	100		
111	184.9	23.3	69.9#
148	0.0	32.4	97.2#



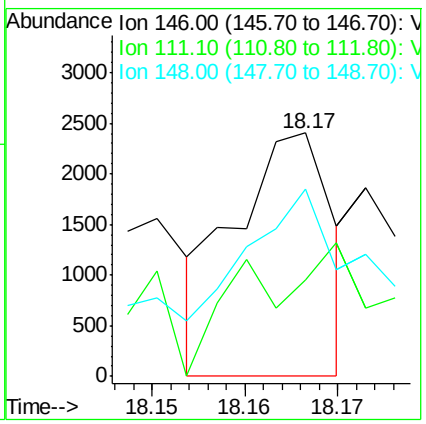


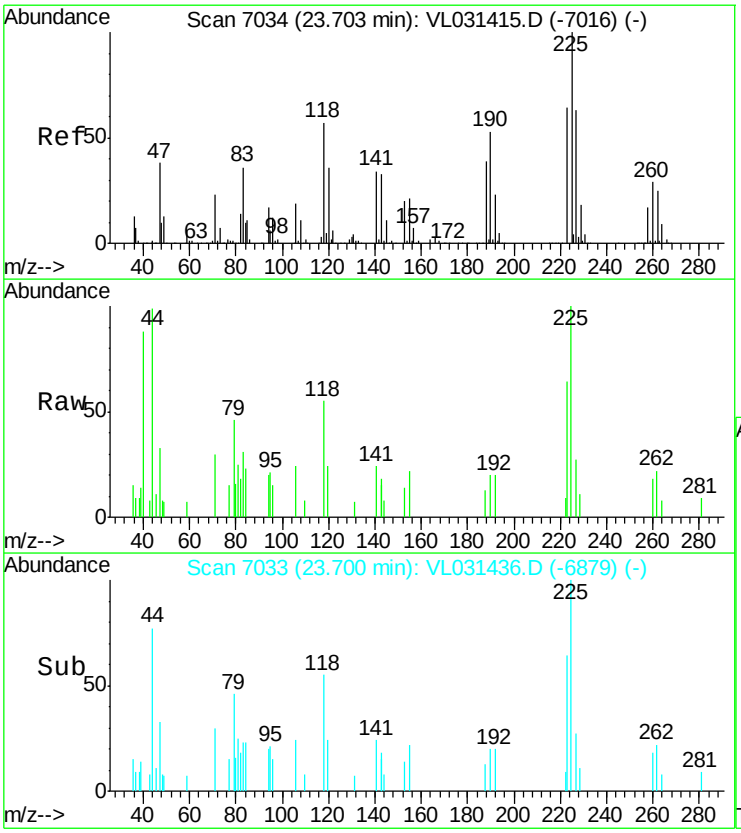
#77
1,2-Dichlorobenzene
Concen: 0.01 ppbv
RT: 18.17 min Scan# 5312
Delta R.T. 0.00 min
Lab File: VL031436.D
Acq: 23 Jan 2018 3:52

Instrument : MSVOA_L
ClientSampleId : MDL-AIR-4

Tgt Ion:146 Resp: 1762

Ion	Ratio	Lower	Upper
146	100		
111	0.0	24.6	74.0#
148	164.9	32.3	96.8#

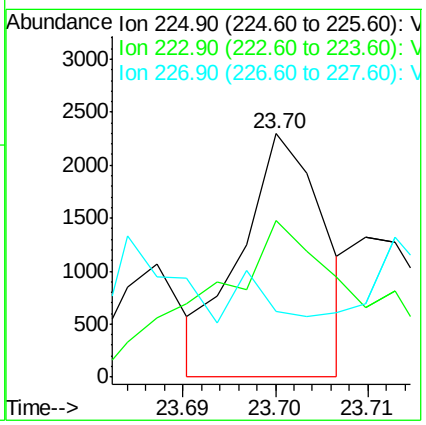


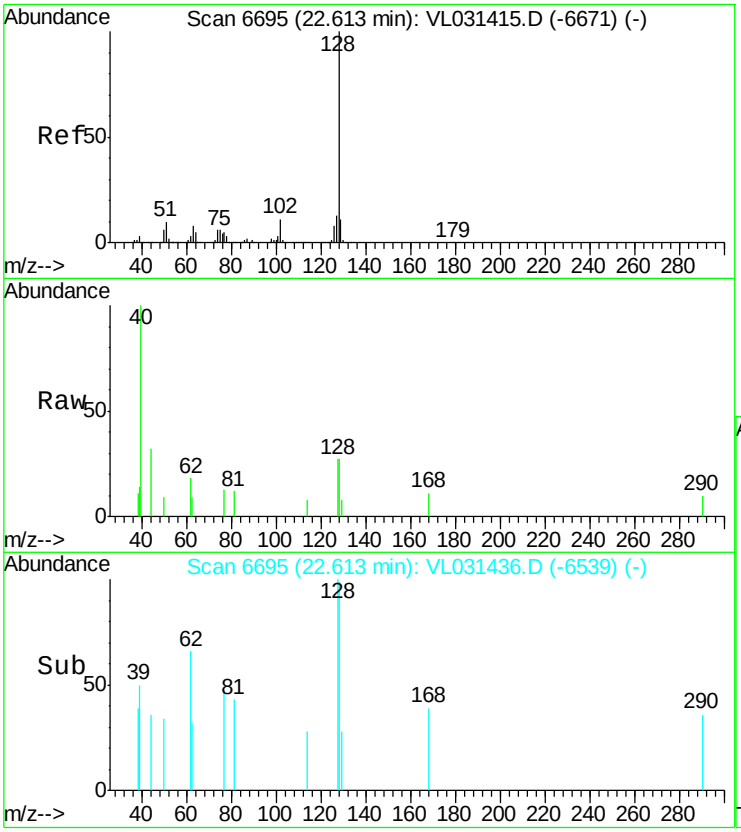


#78
Hexachloro-1,3-Butadiene
Concen: 0.02 ppbv
RT: 23.70 min Scan# 7033
Delta R.T. -0.01 min
Lab File: VL031436.D
Acq: 23 Jan 2018 3:52

Tgt Ion:225 Resp: 1423

Ion	Ratio	Lower	Upper
225	100		
223	159.0	51.3	76.9#
227	0.0	50.7	76.1#



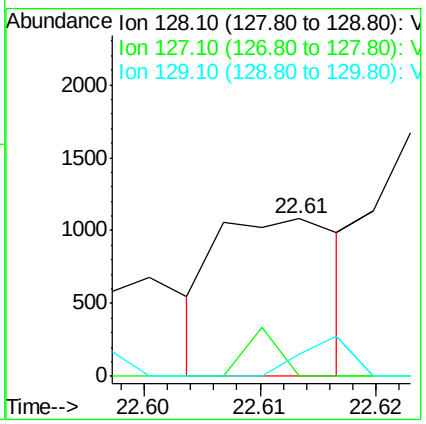


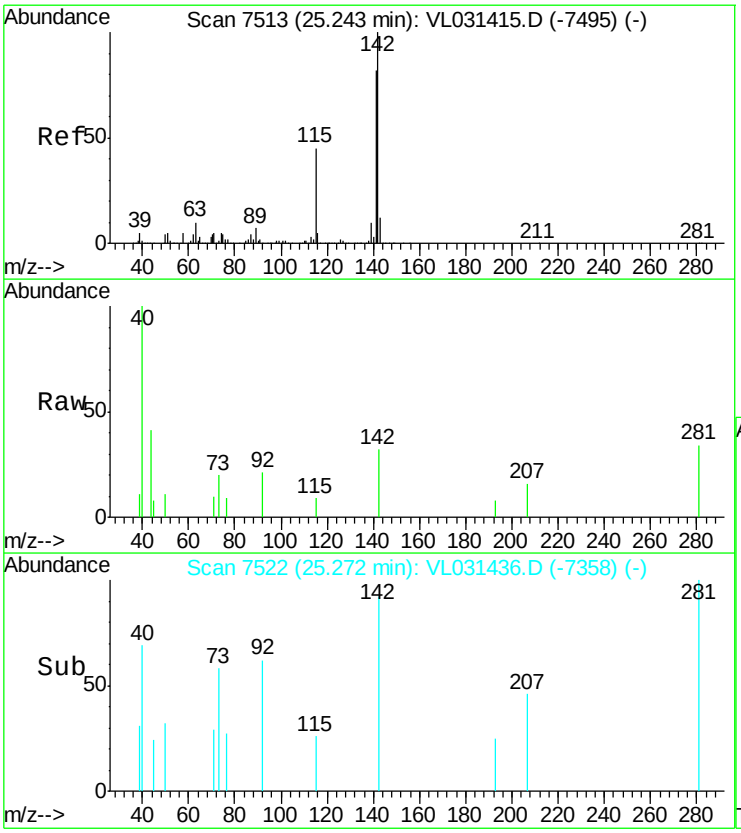
#79
Naphthalene
Concen: 0.00 ppbv
RT: 22.61 min Scan# 6695
Delta R.T. 0.00 min
Lab File: VL031436.D
Acq: 23 Jan 2018 3:52

Instrument : MSVOA_L
ClientSampleId : MDL-AIR-4

Tgt Ion:128 Resp: 799

Ion	Ratio	Lower	Upper
128	100		
127	0.0	10.6	16.0#
129	28.7	9.2	13.8#

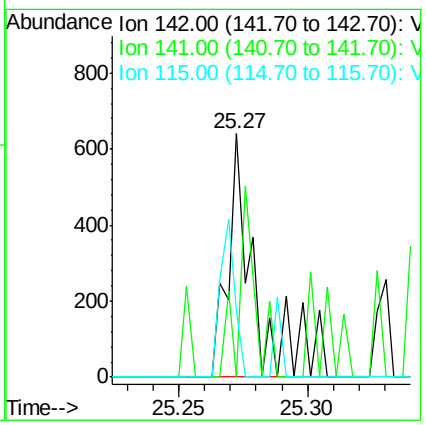


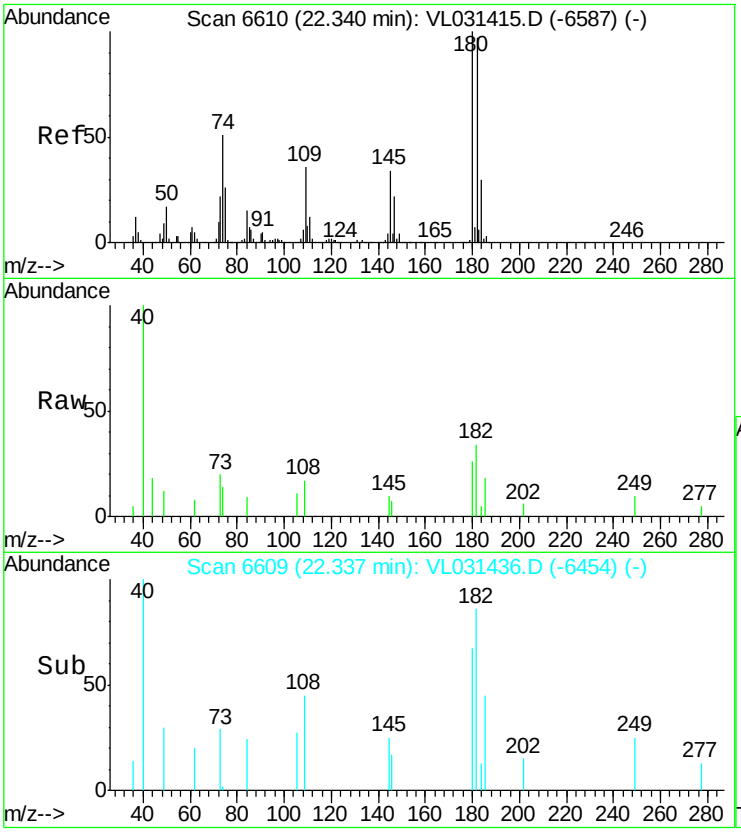


#80
Naphthalene,2-methyl-
Concen: 0.01 ppbv
RT: 25.27 min Scan# 7522
Delta R.T. 0.03 min
Lab File: VL031436.D
Acq: 23 Jan 2018 3:52

Tgt Ion:142 Resp: 473

Ion	Ratio	Lower	Upper
142	100		
141	19.0	68.7	103.1#
115	43.1	36.3	54.5





#81
1,2,4-Trichlorobenzene
Concen: 0.00 ppbv
RT: 22.34 min Scan# 6609
Delta R.T. -0.00 min
Lab File: VL031436.D
Acq: 23 Jan 2018 3:52

Instrument :
MSVOA_L
ClientSampleId :
MDL-AIR-4

Tgt Ion:180 Resp: 225

Ion	Ratio	Lower	Upper
180	100		
182	340.4	76.2	114.4#
184	0.0	24.2	36.4#