Quantitation Report (Not Reviewed)

Data Path : W:\HPCHEM1\MSVOA_L\DATA\VL041918\
Data File : VL031884.D
Acq On : 19 Apr 2018 19:08
Operator : SY/AP
Sample : J2133-14 1 PPBV
Misc : 400ml/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_L
ClientSampleId : LOQ-AIR-02-QT2-2018

Quant Time: Apr 20 08:00:11 2018
Quant Method : W:\HPCHEM1\MSVOA_L\METHODS\VL041218AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LFri Apr 13 16:50:02 2018
QLast Update : Fri Apr 13 16:50:02 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
1) Bromochloromethane	5.89	49	1173565	10.00	ppbv		0.00
33) 1,4-Difluorobenzene	7.43	114	2733814	10.00	ppbv		0.00
55) Chlorobenzene-d5	12.39	117	2679570	10.00	ppbv		0.00
System Monitoring Compounds							
68) 1-Bromo-4-Fluorobenzene	14.72	95	2211823	10.27	ppbv		0.00
Spiked Amount 10.000	Range 65 - 135		Recovery = 102.70%				
Target Compounds							Qvalue
2) Dichlorodifluoromethane	3.16	85	284042	1.17	ppbv		100
3) Chlorodifluoromethane	3.10	51	154127	1.13	ppbv		100
4) Chloromethane	3.26	50	81036	1.16	ppbv		93
5) Vinyl Chloride	3.38	62	84055	1.07	ppbv		90
6) Bromomethane	3.61	94	61228	1.19	ppbv		96
7) Chloroethane	3.70	64	35333	1.13	ppbv		94
8) Dichlorotetrafluoroethane	3.31	85	230492	1.16	ppbv		99
9) Propene	3.12	41	42396	0.90	ppbv		93
10) Heptane	8.39	43	164135	1.07	ppbv		100
11) Trichlorofluoromethane	4.11	101	276368	1.16	ppbv		98
12) 1,1,2-Trichlorotrifluoroet	4.67	101	178509	1.16	ppbv		100
13) Ethanol	3.76	45	18232	1.14	ppbv		95
14) Bromoethene	3.89	108	65608	1.13	ppbv		99
15) Acetone	4.01	43	217822	1.21	ppbv		97
16) 1,3-Butadiene	3.46	39	74020	1.11	ppbv		96
17) tert-Butyl alcohol	4.49	59	84276	1.13	ppbv		97
18) 1,1-Dichloroethene	4.47	96	71172	1.07	ppbv		97
19) Isopropyl Alcohol	4.14	45	47041	0.47	ppbv	#	76
20) Methylene Chloride	4.52	84	70328	1.07	ppbv		96
21) Allyl Chloride	4.59	41	109265	1.06	ppbv		98
22) trans-1,2-Dichloroethene	5.08	96	78457	1.14	ppbv		97
23) Vinyl Acetate	5.27	43	180612	0.99	ppbv	#	95
24) 1,1-Dichloroethane	5.21	63	194024	1.06	ppbv		99
25) Ethyl Acetate	5.90	43	306189	1.09	ppbv		99
26) Hexane	5.91	57	136238	1.04	ppbv		88
27) Carbon Disulfide	4.74	76	178669	1.05	ppbv		95
28) Methyl tert-Butyl Ether	5.24	73	92100	0.57	ppbv	#	64
29) Chloroform	5.97	83	250495	1.13	ppbv		100
30) Cyclohexane	7.38	84	94654	1.01	ppbv	#	63
31) cis-1,2-Dichloroethene	5.76	61	113533	0.95	ppbv		97
32) 1,1,1-Trichloroethane	6.75	97	240961	1.11	ppbv		99
34) 2-Butanone	5.46	43	195302	1.03	ppbv		98
35) Carbon Tetrachloride	7.27	117	248642	1.05	ppbv		95
36) Benzene	7.14	78	245659	1.00	ppbv		96
37) 1,2-Dichloroethane	6.54	62	199183	1.09	ppbv		99
38) Trichloroethene	8.10	130	99767	1.00	ppbv		95
39) 1,2-Dichloropropane	7.87	63	94704	1.04	ppbv		93
41) Tetrahydrofuran	6.29	42	74488	0.85	ppbv		96
42) Bromodichloromethane	8.05	83	239186	1.09	ppbv		96
43) Methyl Methacrylate	8.28	69	75722	0.88	ppbv		87
44) 2,2,4-Trimethylpentane	8.13	57	462671	1.09	ppbv		96

Data Path : W:\HPCHEM1\MSVOA_L\DATA\VL041918\
Data File : VL031884.D
Acq On : 19 Apr 2018 19:08
Operator : SY/AP
Sample : J2133-14 1 PPBV
Misc : 400ml/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_L
ClientSampleId : LOQ-AIR-02-QT2-2018

Quant Time: Apr 20 08:00:11 2018
Quant Method : W:\HPCHEM1\MSVOA_L\METHODS\VL041218AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LFri Apr 13 16:50:02 2018
QLast Update : Fri Apr 13 16:50:02 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
45) t-1,3-Dichloropropene	9.56	75	95696	0.85	ppbv		98
46) cis-1,3-Dichloropropene	8.97	75	132671	0.92	ppbv	#	86
47) 1,1,2-Trichloroethane	9.76	97	117413	1.08	ppbv		92
48) Dibromochloromethane	10.59	129	187483	1.07	ppbv		100
49) Bromoform	13.35	173	143591	1.06	ppbv		99
50) 4-Methyl-2-Pentanone	9.02	43	108719	0.50	ppbv	#	39
51) 2-Hexanone	10.43	43	91707	0.48	ppbv	#	29
52) Tetrachloroethene	11.52	164	92823	0.97	ppbv		93
53) Toluene	10.09	91	264689	0.97	ppbv		98
54) 1,2-Dibromoethane	10.91	107	158996	1.01	ppbv		97
56) 1,1,1,2-Tetrachloroethane	12.43	131	145204	1.15	ppbv	#	1
57) Chlorobenzene	12.45	112	262393	1.15	ppbv	#	97
58) Ethyl Benzene	13.01	91	387945	1.04	ppbv		99
59) m/p-Xylene	13.30	91	306960	0.95	ppbv	#	8
60) o-Xylene	13.99	91	352348	1.09	ppbv		99
61) Styrene	13.83	104	42941	0.70	ppbv		88
62) Isopropylbenzene	14.97	105	459718	1.11	ppbv		99
63) 1,1,2,2-Tetrachloroethane	13.98	83	278768	1.12	ppbv		99
64) n-propylbenzene	15.87	120	112275	1.11	ppbv		95
65) tert-Butylbenzene	17.05	119	402572	1.13	ppbv		96
66) Benzyl Chloride	17.29	91	11531	0.36	ppbv	#	63
67) sec-Butylbenzene	17.61	105	602920	1.17	ppbv		98
69) p-Isopropyltoluene	17.96	119	453216	1.14	ppbv		99
70) n-Butylbenzene	18.86	91	473175	1.14	ppbv		99
71) 2-Chlorotoluene	15.77	91	316873	1.06	ppbv		99
72) 4-Ethyltoluene	16.15	105	337894	1.02	ppbv		97
73) 1,3,5-Trimethylbenzene	16.30	105	318345	1.05	ppbv		96
74) 1,2,4-Trimethylbenzene	17.07	105	384699	1.14	ppbv	#	90
75) 1,3-Dichlorobenzene	17.31	146	142213	0.69	ppbv	#	29
76) 1,4-Dichlorobenzene	17.45	146	133544	0.67	ppbv	#	39
77) 1,2-Dichlorobenzene	18.14	146	245849	1.21	ppbv		98
78) Hexachloro-1,3-Butadiene	23.68	225	59312	0.76	ppbv	#	31
79) Naphthalene	22.59	128	171610	0.90	ppbv	#	96
80) Naphthalene,2-methyl-	25.24	142	22818	0.62	ppbv		94
81) 1,2,4-Trichlorobenzene	22.31	180	63745	0.61	ppbv	#	32

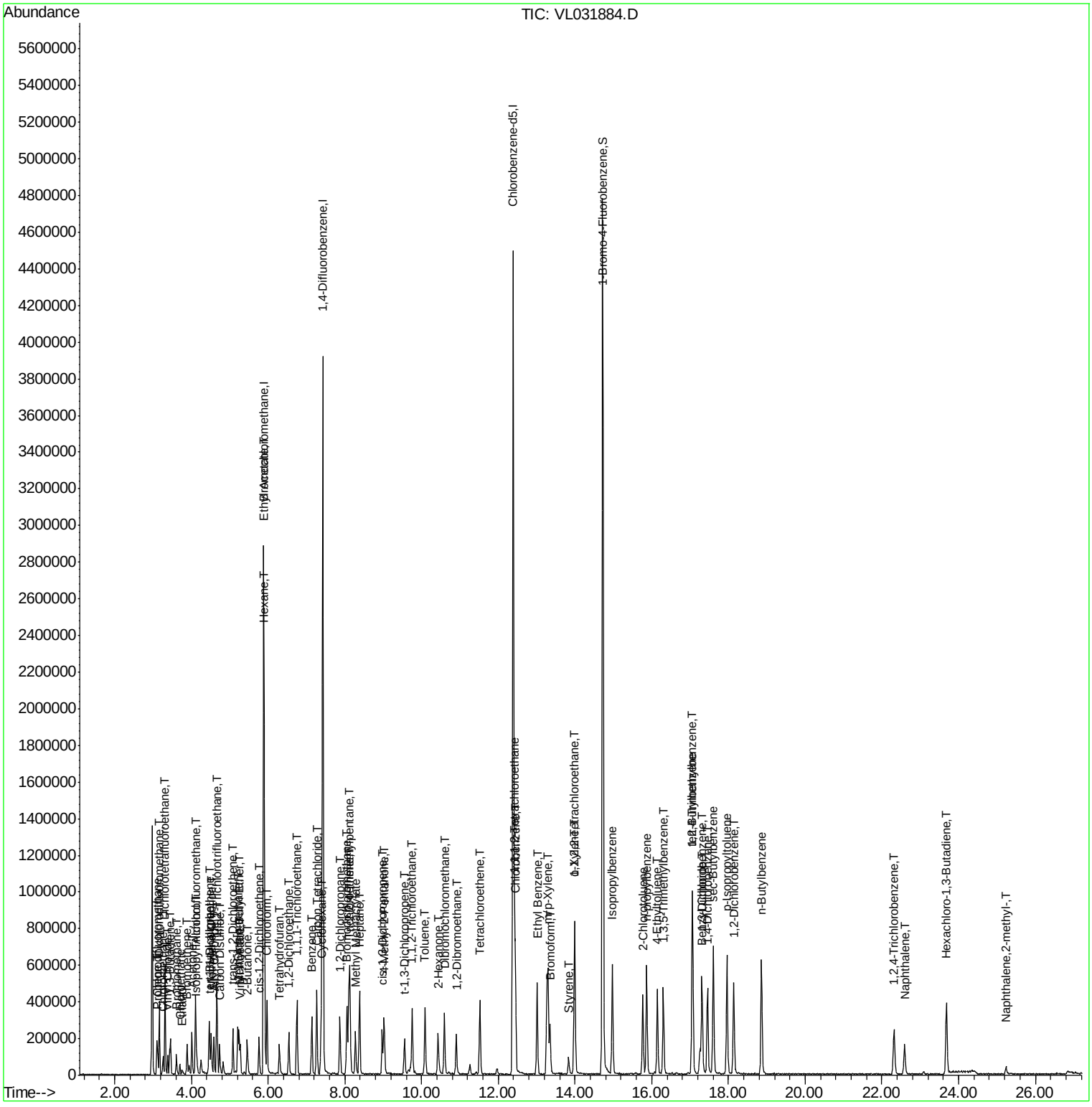
(#) = qualifier out of range (m) = manual integration (+) = signals summed

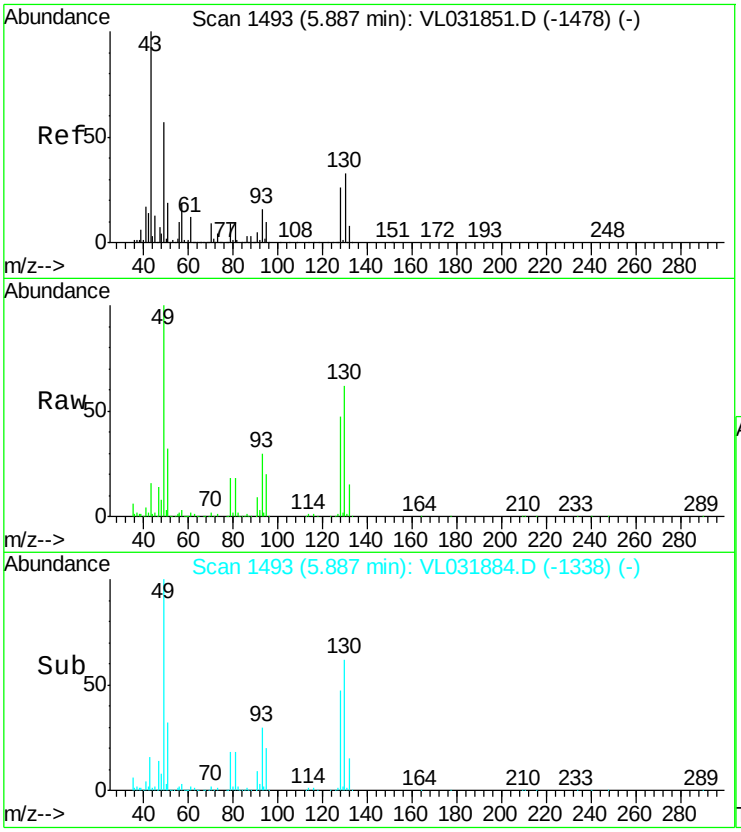
Quantitation Report (Not Reviewed)

Data Path : W:\HPCHEM1\MSVOA_L\DATA\VL041918\
Data File : VL031884.D
Acq On : 19 Apr 2018 19:08
Operator : SY/AP
Sample : J2133-14 1 PPBV
Misc : 400ml/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_L
ClientSampleId :
LOQ-AIR-02-QT2-2018

Quant Time: Apr 20 08:00:11 2018
Quant Method : W:\HPCHEM1\MSVOA_L\METHODS\VL041218AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LFri Apr 13 16:50:02 2018
QLast Update : Fri Apr 13 16:50:02 2018
Response via : Initial Calibration



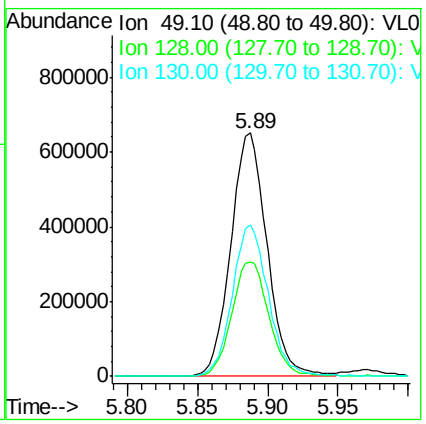


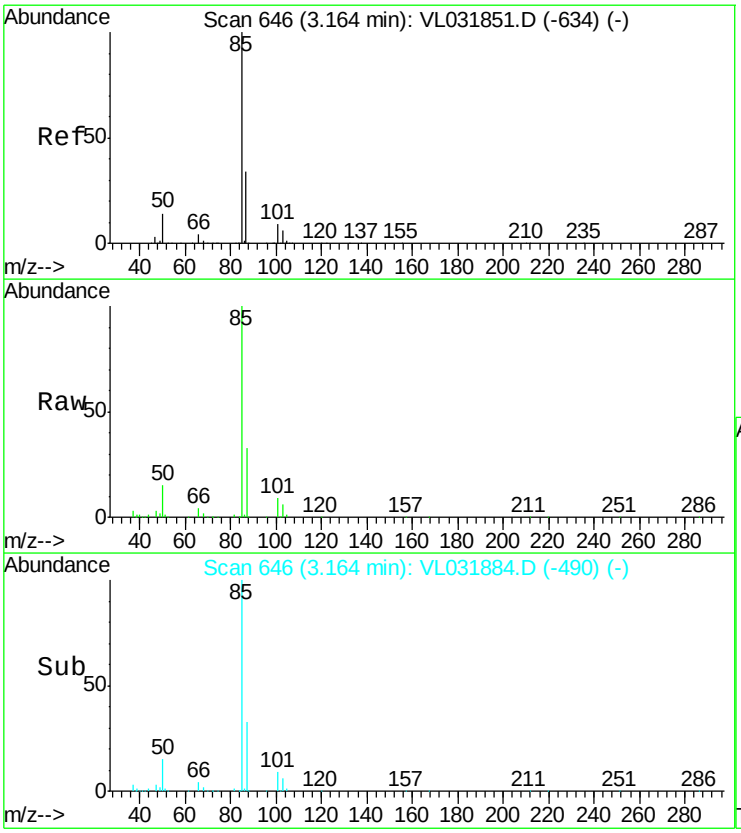
#1
Bromochloromethane
Concen: 10.00 ppbv
RT: 5.89 min Scan# 1493
Delta R.T. -0.00 min
Lab File: VL031884.D
Acq: 19 Apr 2018 19:08

Instrument :
MSVOA_L
ClientSampleId :
LOQ-AIR-02-QT2-2018

Tgt Ion: 49 Resp: 1173565

Ion	Ratio	Lower	Upper
49	100		
128	48.8	23.9	71.7
130	62.6	30.9	92.7

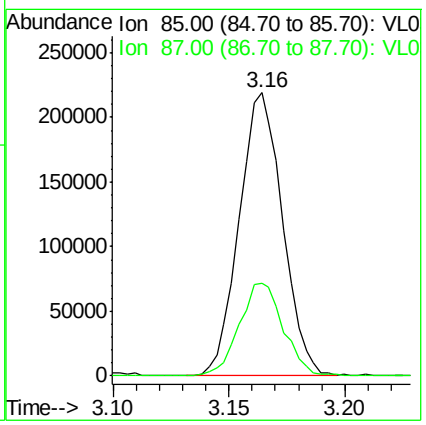


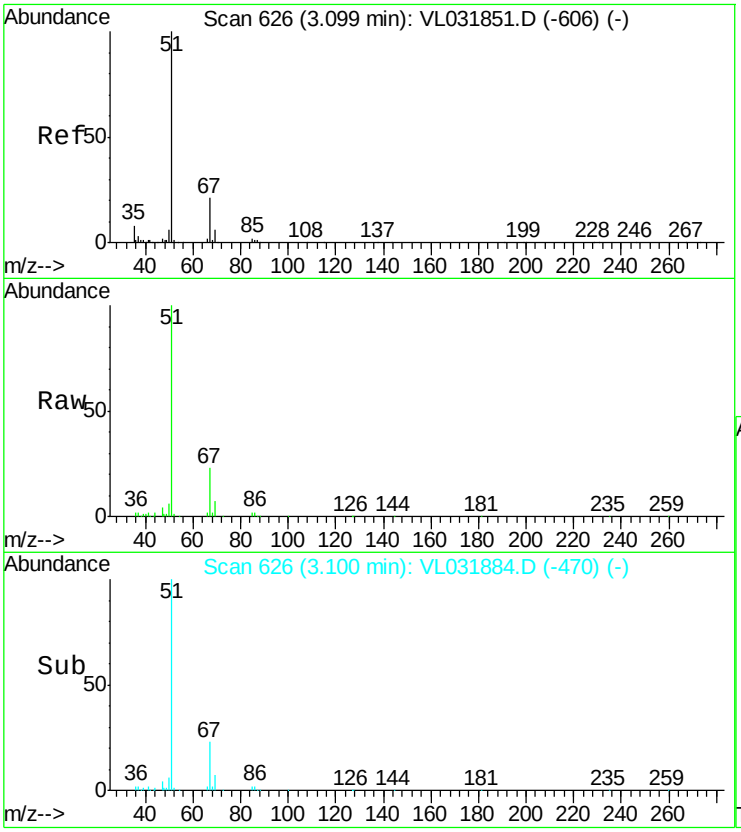


#2
Dichlorodifluoromethane
Concen: 1.17 ppbv
RT: 3.16 min Scan# 646
Delta R.T. 0.00 min
Lab File: VL031884.D
Acq: 19 Apr 2018 19:08

Tgt Ion: 85 Resp: 284042

Ion	Ratio	Lower	Upper
85	100		
87	32.5	25.9	38.9



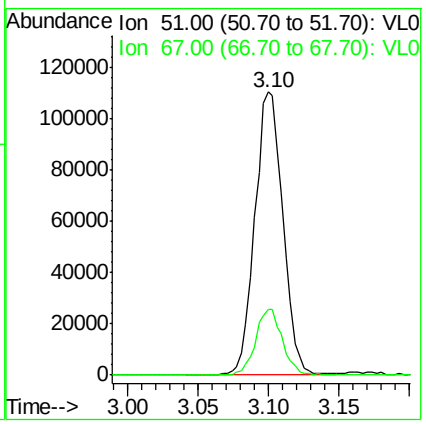


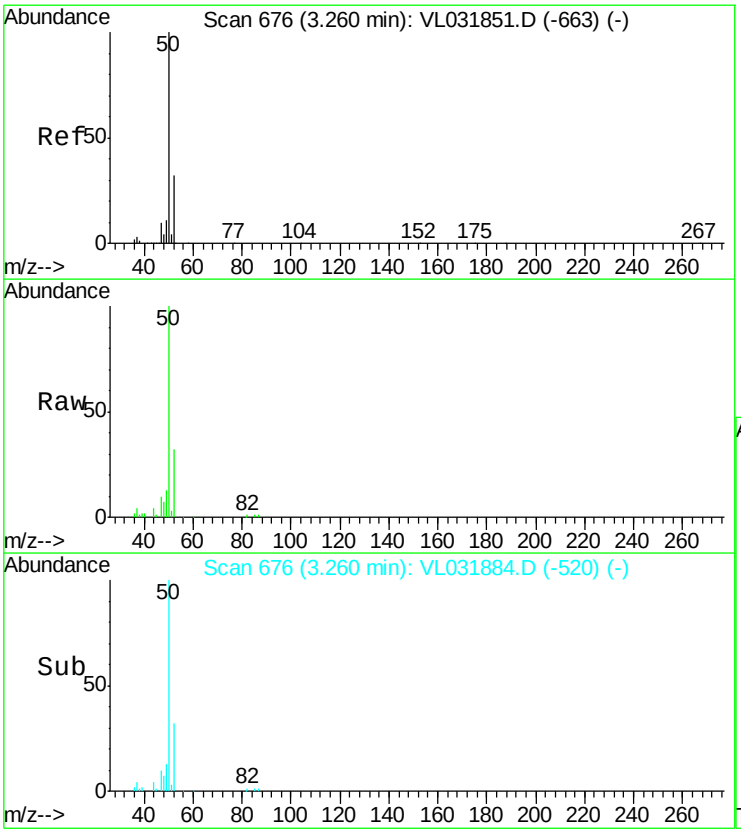
#3
Chlorodifluoromethane
Concen: 1.13 ppbv
RT: 3.10 min Scan# 626
Delta R.T. 0.00 min
Lab File: VL031884.D
Acq: 19 Apr 2018 19:08

Instrument :
MSVOA_L
ClientSampleId :
LOQ-AIR-02-QT2-2018

Tgt Ion: 51 Resp: 154127

Ion	Ratio	Lower	Upper
51	100		
67	22.1	17.5	26.3

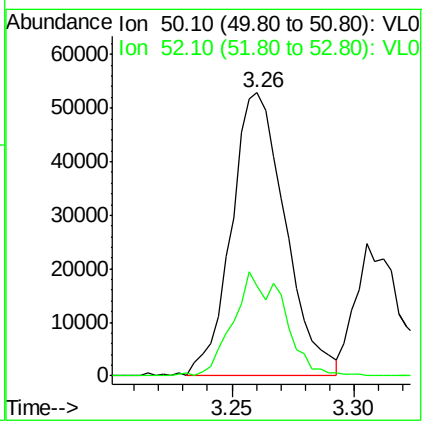


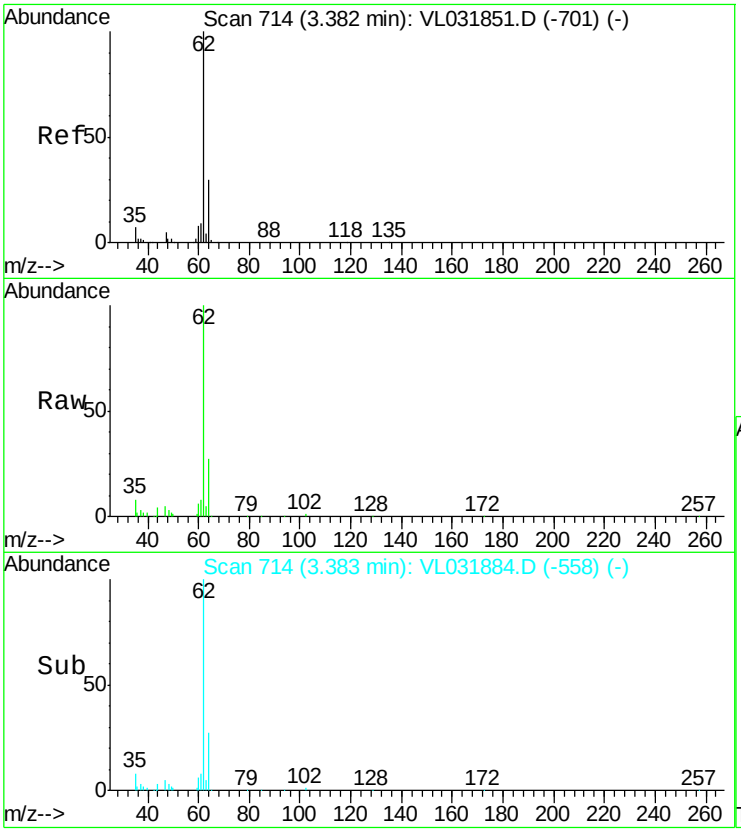


#4
Chloromethane
Concen: 1.16 ppbv
RT: 3.26 min Scan# 676
Delta R.T. 0.00 min
Lab File: VL031884.D
Acq: 19 Apr 2018 19:08

Tgt Ion: 50 Resp: 81036

Ion	Ratio	Lower	Upper
50	100		
52	30.8	28.1	42.1



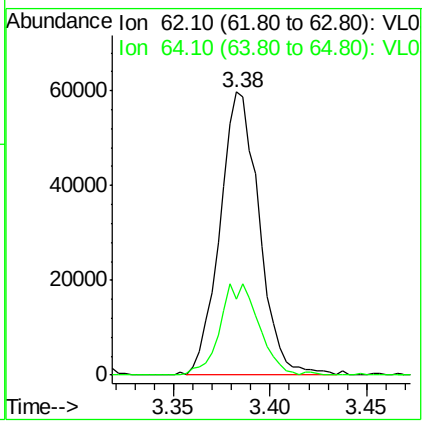


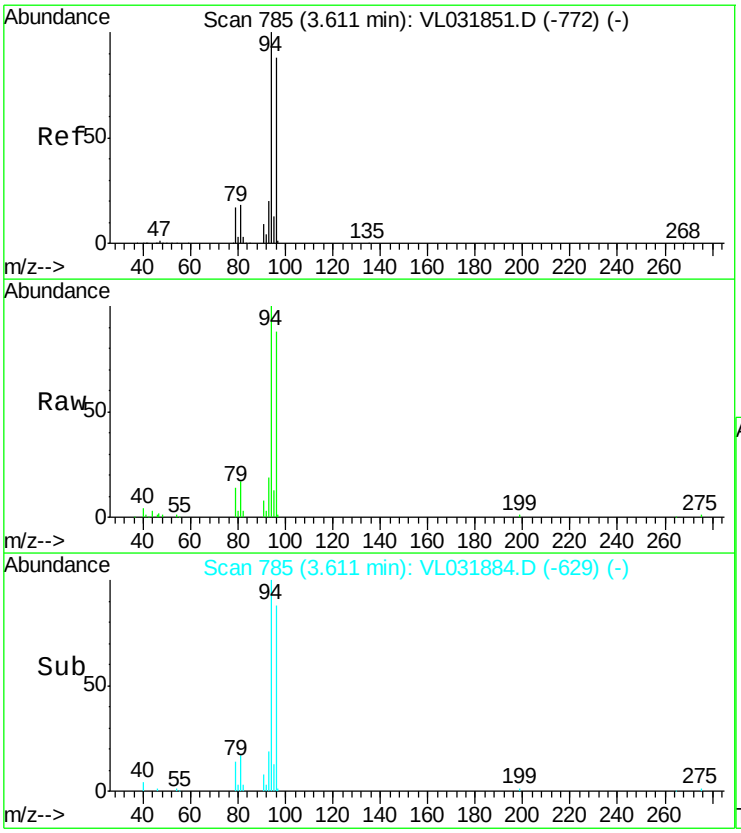
#5
Vinyl Chloride
Concen: 1.07 ppbv
RT: 3.38 min Scan# 714
Delta R.T. 0.00 min
Lab File: VL031884.D
Acq: 19 Apr 2018 19:08

Instrument :
MSVOA_L
ClientSampleId :
LOQ-AIR-02-QT2-2018

Tgt Ion: 62 Resp: 84055

Ion	Ratio	Lower	Upper
62	100		
64	26.9	25.9	38.9

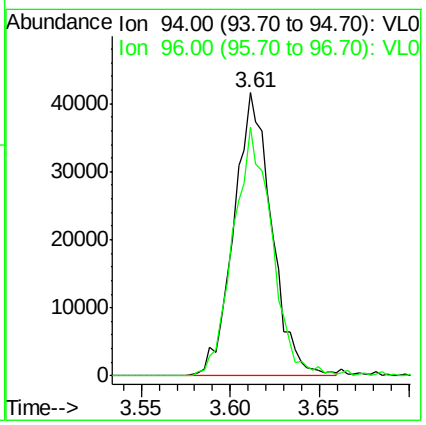


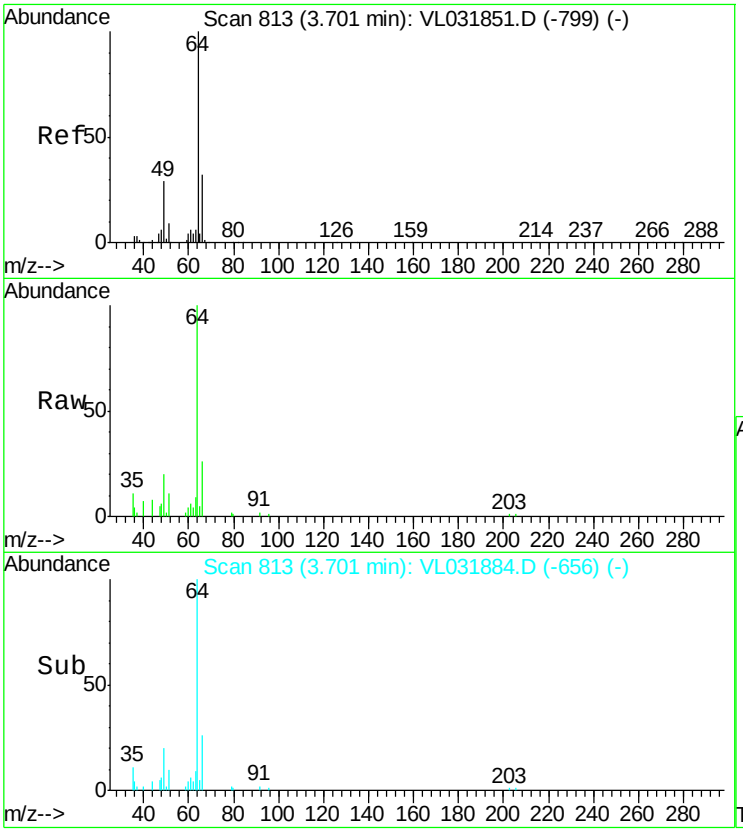


#6
Bromomethane
Concen: 1.19 ppbv
RT: 3.61 min Scan# 785
Delta R.T. 0.00 min
Lab File: VL031884.D
Acq: 19 Apr 2018 19:08

Tgt Ion: 94 Resp: 61228

Ion	Ratio	Lower	Upper
94	100		
96	88.1	73.8	110.6



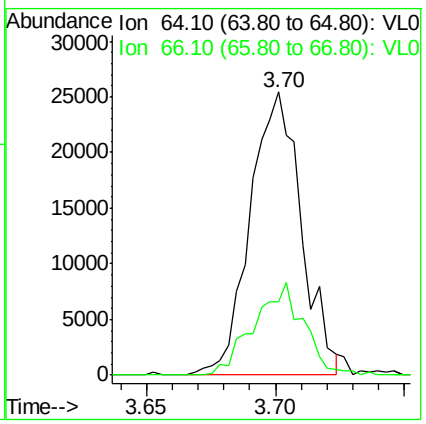


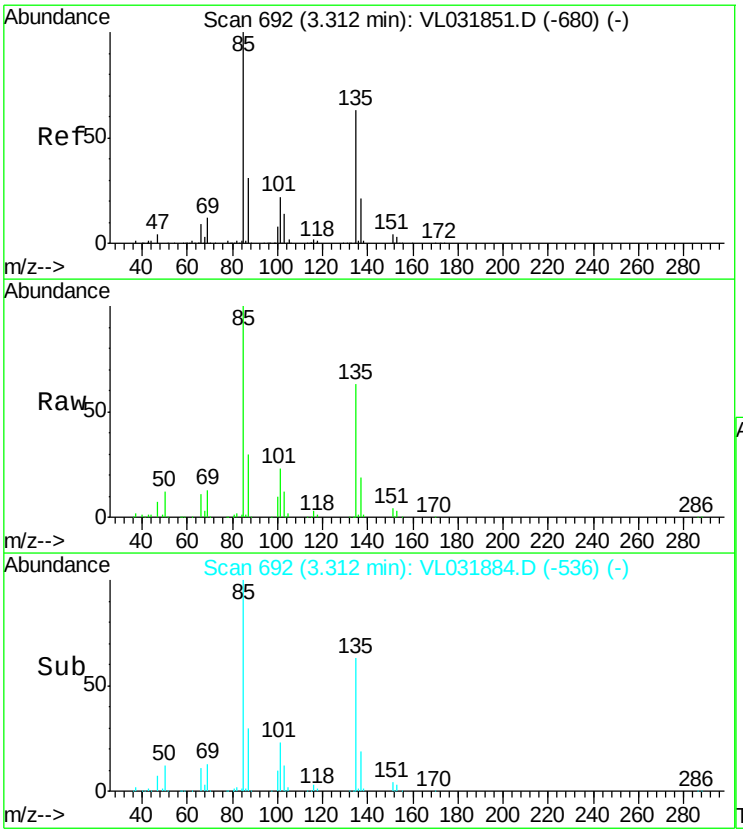
#7
Chloroethane
Concen: 1.13 ppbv
RT: 3.70 min Scan# 813
Delta R.T. 0.00 min
Lab File: VL031884.D
Acq: 19 Apr 2018 19:08

Instrument :
MSVOA_L
ClientSampleId :
LOQ-AIR-02-QT2-2018

Tgt Ion: 64 Resp: 35333

Ion	Ratio	Lower	Upper
64	100		
66	26.0	23.4	35.0

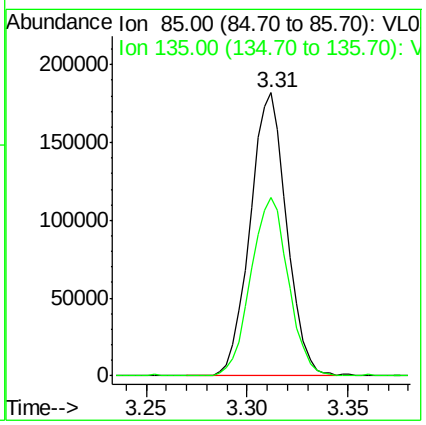


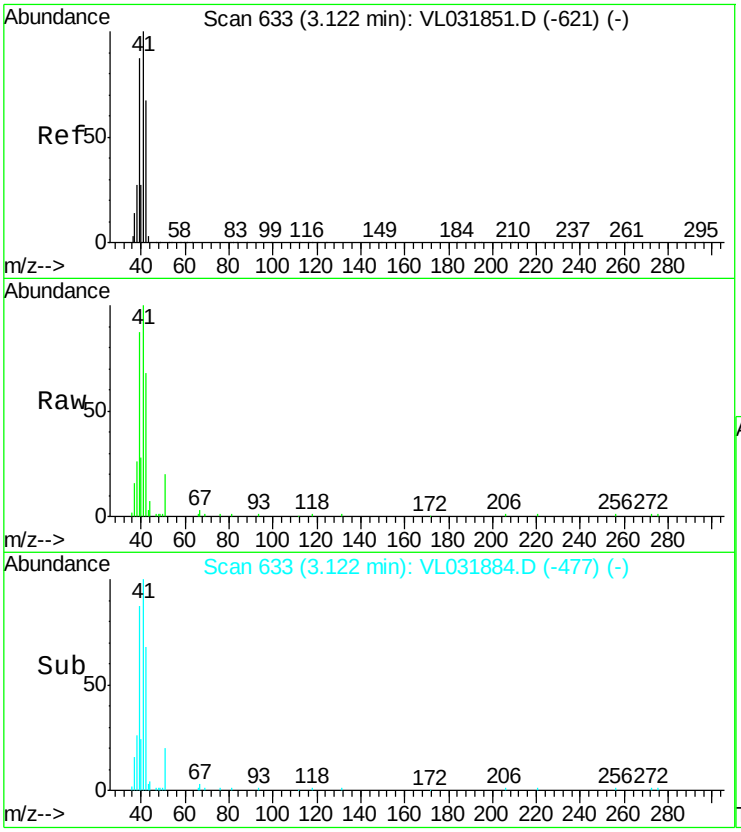


#8
Dichlorotetrafluoroethane
Concen: 1.16 ppbv
RT: 3.31 min Scan# 692
Delta R.T. 0.00 min
Lab File: VL031884.D
Acq: 19 Apr 2018 19:08

Tgt Ion: 85 Resp: 230492

Ion	Ratio	Lower	Upper
85	100		
135	64.9	52.7	79.1



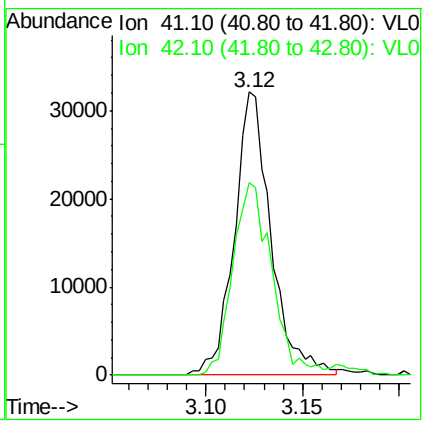


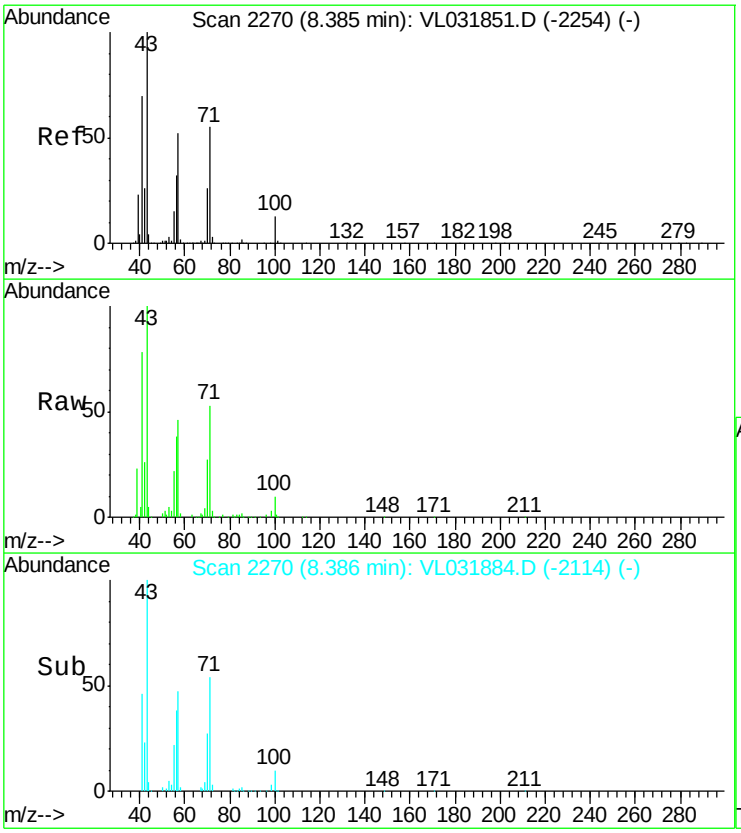
#9
Propene
Concen: 0.90 ppbv
RT: 3.12 min Scan# 633
Delta R.T. 0.00 min
Lab File: VL031884.D
Acq: 19 Apr 2018 19:08

Instrument :
MSVOA_L
ClientSampleId :
LOQ-AIR-02-QT2-2018

Tgt Ion: 41 Resp: 42396

Ion	Ratio	Lower	Upper
41	100		
42	74.5	55.0	82.4

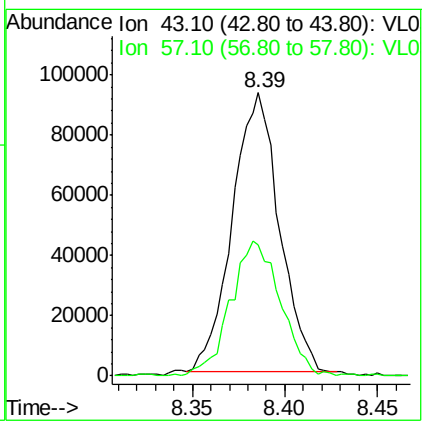


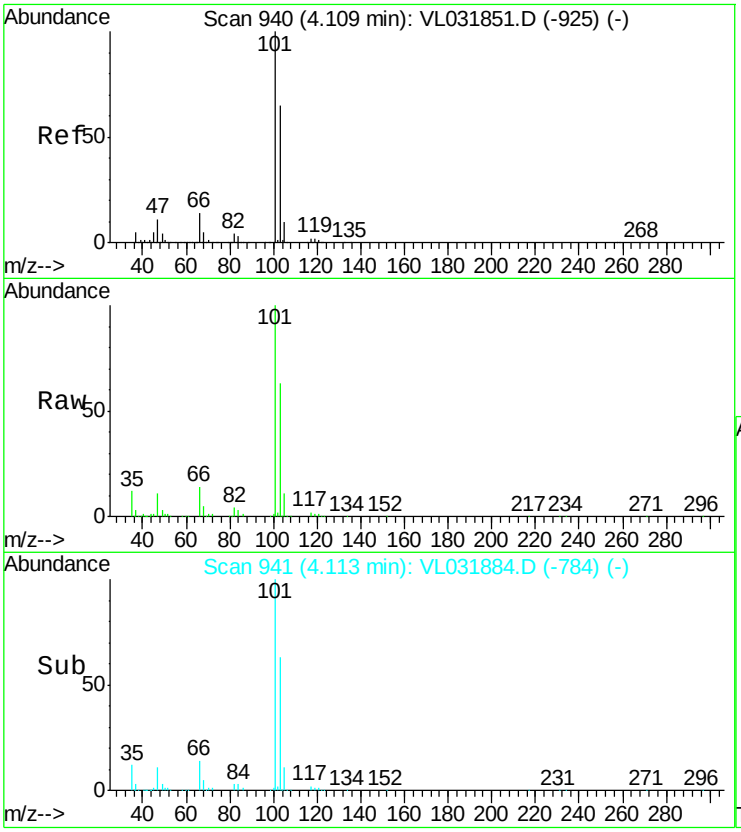


#10
Heptane
Concen: 1.07 ppbv
RT: 8.39 min Scan# 2270
Delta R.T. 0.00 min
Lab File: VL031884.D
Acq: 19 Apr 2018 19:08

Tgt Ion: 43 Resp: 164135

Ion	Ratio	Lower	Upper
43	100		
57	51.6	41.5	62.3



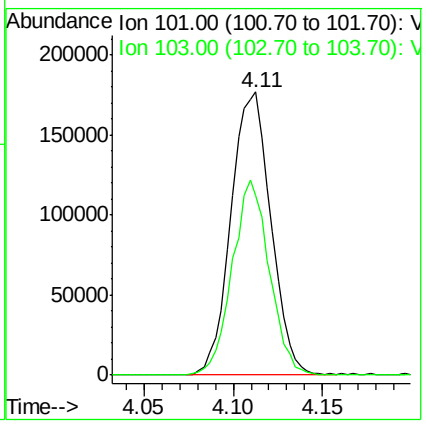


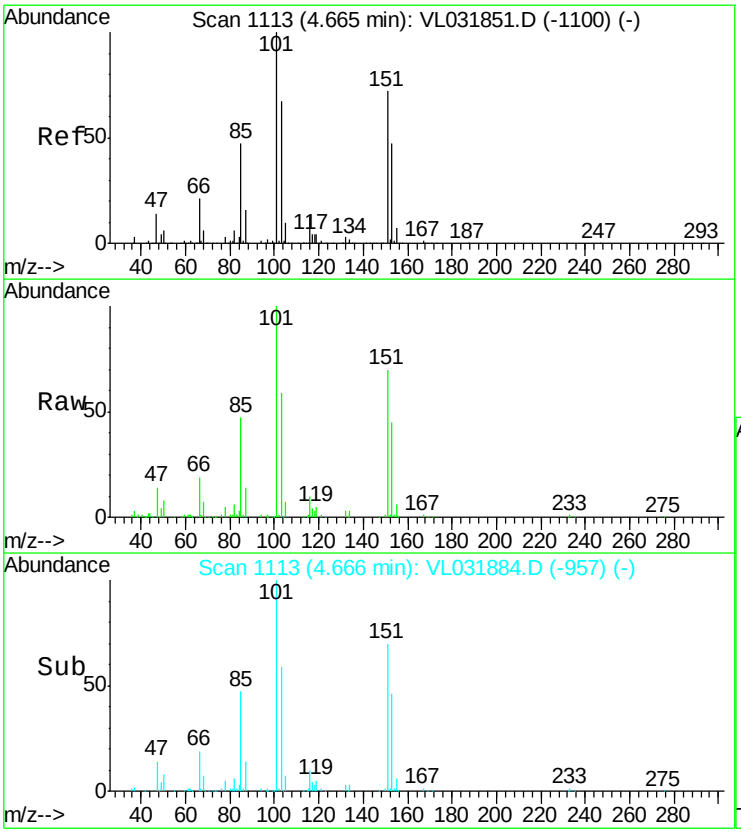
#11
Trichlorofluoromethane
Concen: 1.16 ppbv
RT: 4.11 min Scan# 941
Delta R.T. 0.00 min
Lab File: VL031884.D
Acq: 19 Apr 2018 19:08

Instrument :
MSVOA_L
ClientSampleId :
LOQ-AIR-02-QT2-2018

Tgt Ion:101 Resp: 276368

Ion	Ratio	Lower	Upper
101	100		
103	63.1	51.8	77.8

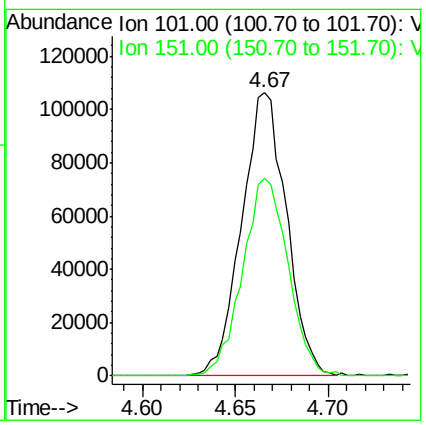


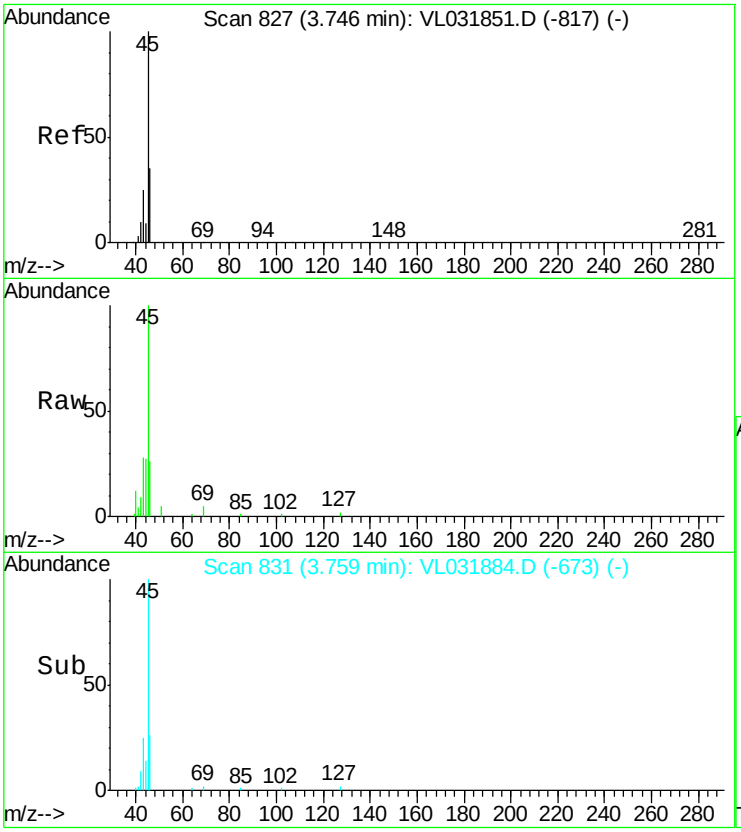


#12
1,1,2-Trichlorotrifluoroethane
Concen: 1.16 ppbv
RT: 4.67 min Scan# 1113
Delta R.T. 0.00 min
Lab File: VL031884.D
Acq: 19 Apr 2018 19:08

Tgt Ion:101 Resp: 178509

Ion	Ratio	Lower	Upper
101	100		
151	70.9	57.0	85.6



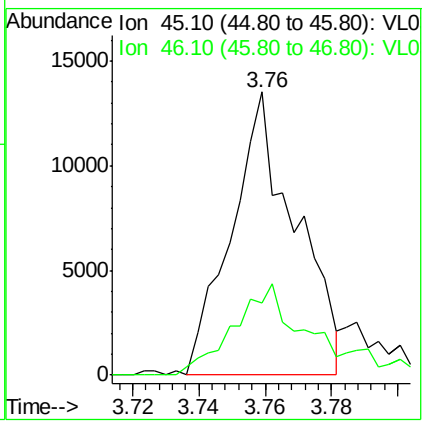


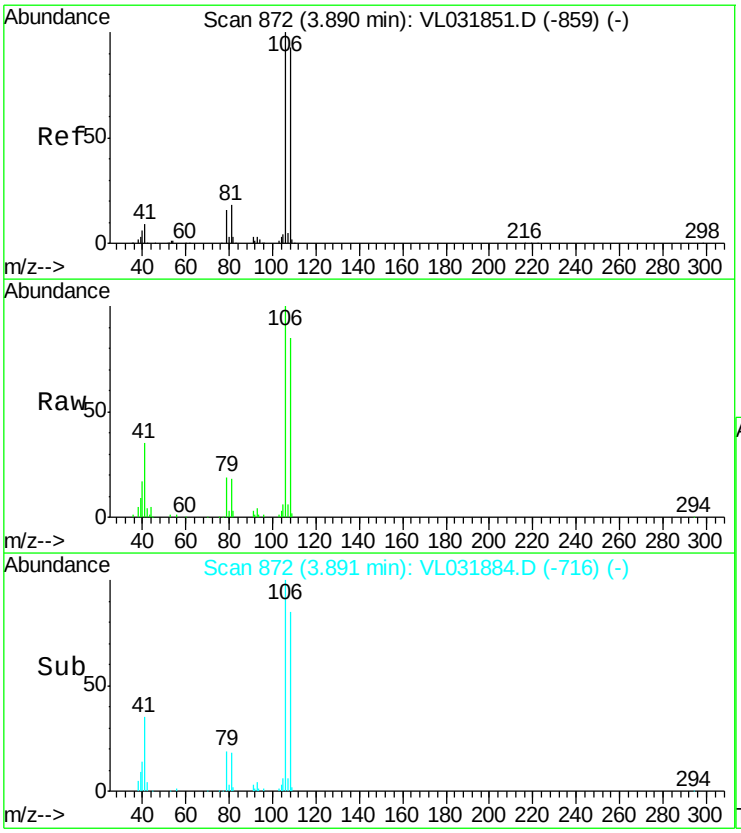
#13
Ethanol
Concen: 1.14 ppbv
RT: 3.76 min Scan# 831
Delta R.T. 0.01 min
Lab File: VL031884.D
Acq: 19 Apr 2018 19:08

Instrument :
MSVOA_L
ClientSampleId :
LOQ-AIR-02-QT2-2018

Tgt Ion: 45 Resp: 18232

Ion	Ratio	Lower	Upper
45	100		
46	39.6	14.6	58.6

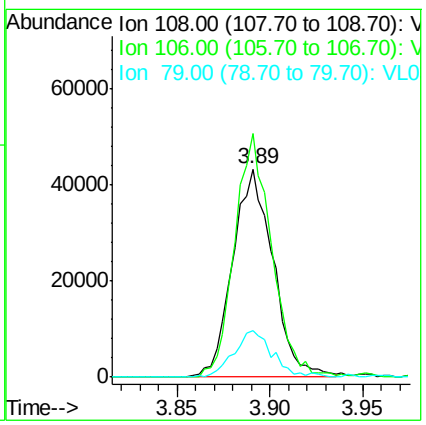


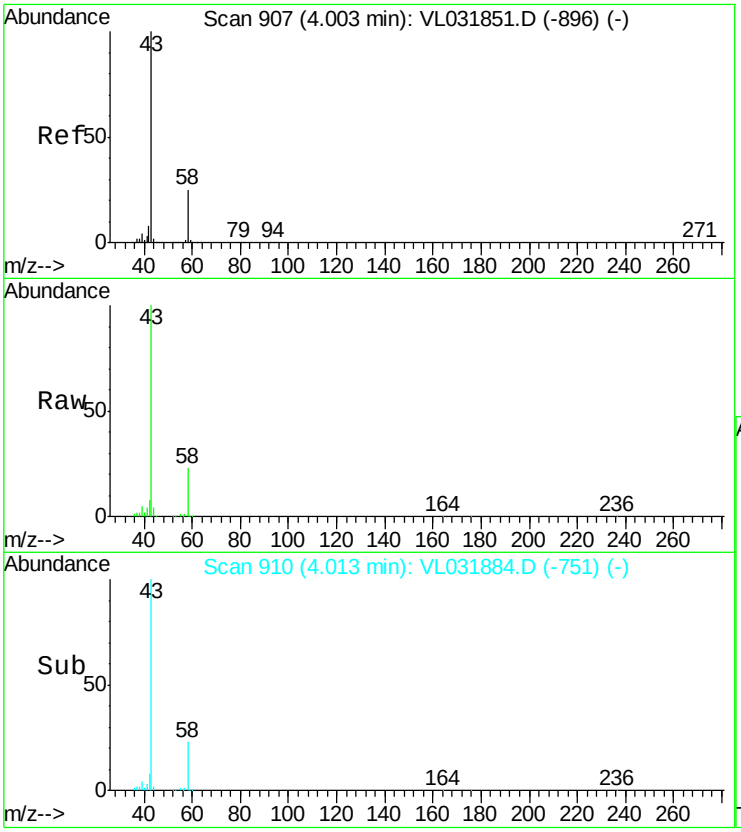


#14
Bromoethene
Concen: 1.13 ppbv
RT: 3.89 min Scan# 872
Delta R.T. 0.00 min
Lab File: VL031884.D
Acq: 19 Apr 2018 19:08

Tgt Ion:108 Resp: 65608

Ion	Ratio	Lower	Upper
108	100		
106	108.0	86.6	130.0
79	21.5	15.5	23.3



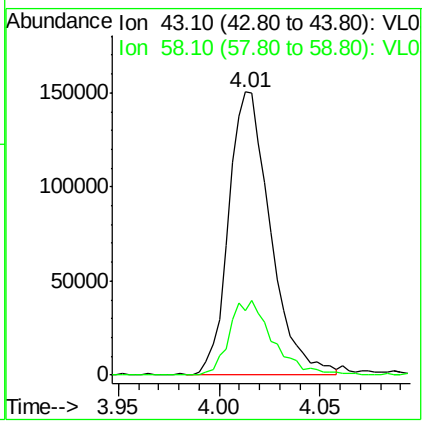


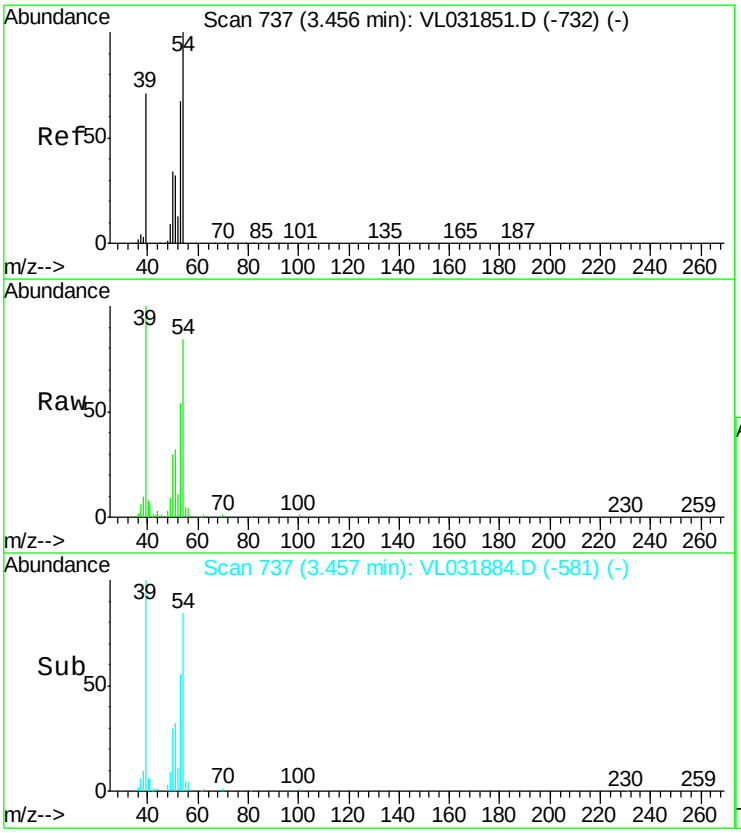
#15
Acetone
Concen: 1.21 ppbv
RT: 4.01 min Scan# 910
Delta R.T. 0.01 min
Lab File: VL031884.D
Acq: 19 Apr 2018 19:08

Instrument : MSVOA_L
ClientSampleId : LOQ-AIR-02-QT2-2018

Tgt Ion: 43 Resp: 217822

Ion	Ratio	Lower	Upper
43	100		
58	27.7	20.9	31.3

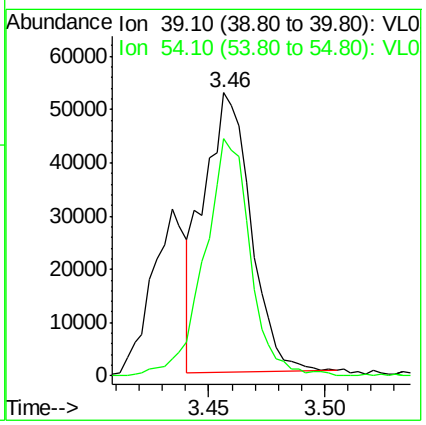


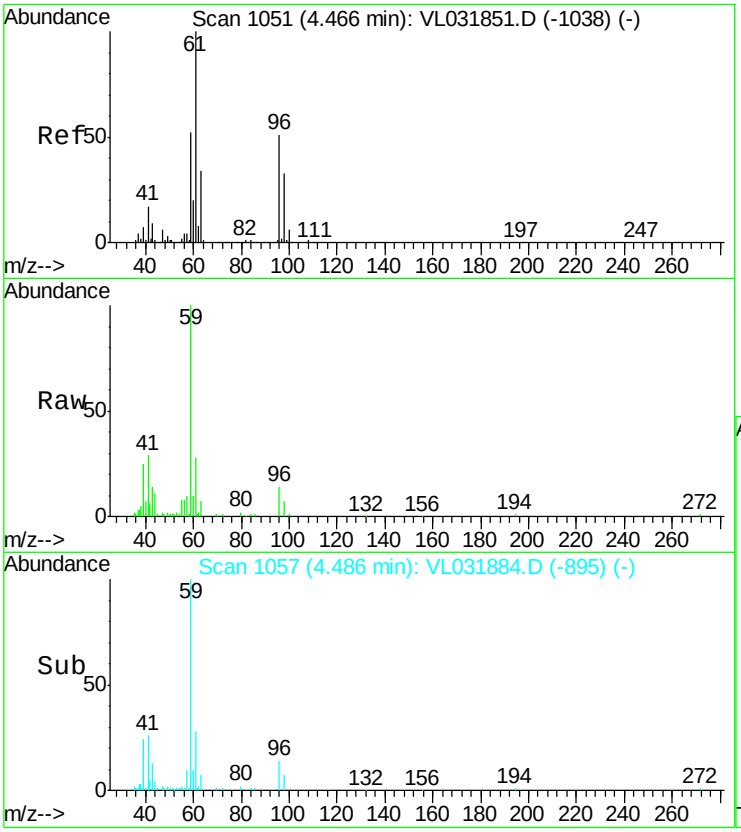


#16
1,3-Butadiene
Concen: 1.11 ppbv
RT: 3.46 min Scan# 737
Delta R.T. 0.00 min
Lab File: VL031884.D
Acq: 19 Apr 2018 19:08

Tgt Ion: 39 Resp: 74020

Ion	Ratio	Lower	Upper
39	100		
54	82.6	63.3	94.9



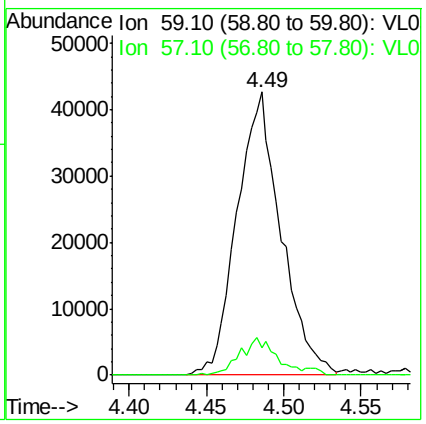


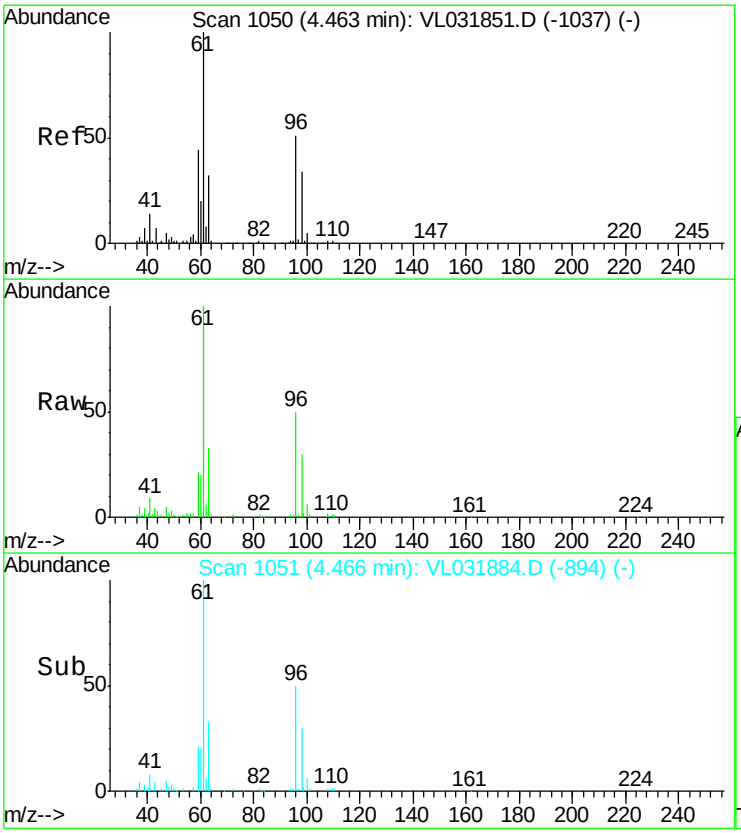
#17
tert-Butyl alcohol
Concen: 1.13 ppbv
RT: 4.49 min Scan# 1057
Delta R.T. 0.02 min
Lab File: VL031884.D
Acq: 19 Apr 2018 19:08

Instrument :
MSVOA_L
ClientSampleId :
LOQ-AIR-02-QT2-2018

Tgt Ion: 59 Resp: 84276

Ion	Ratio	Lower	Upper
59	100		
57	11.6	8.5	12.7

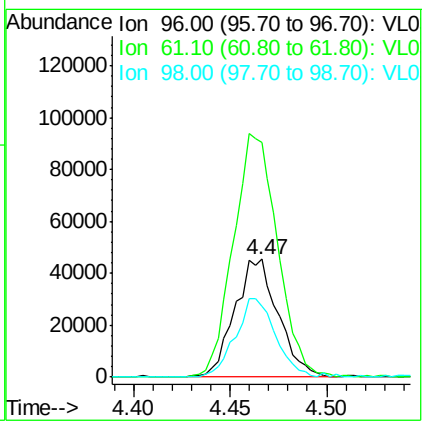


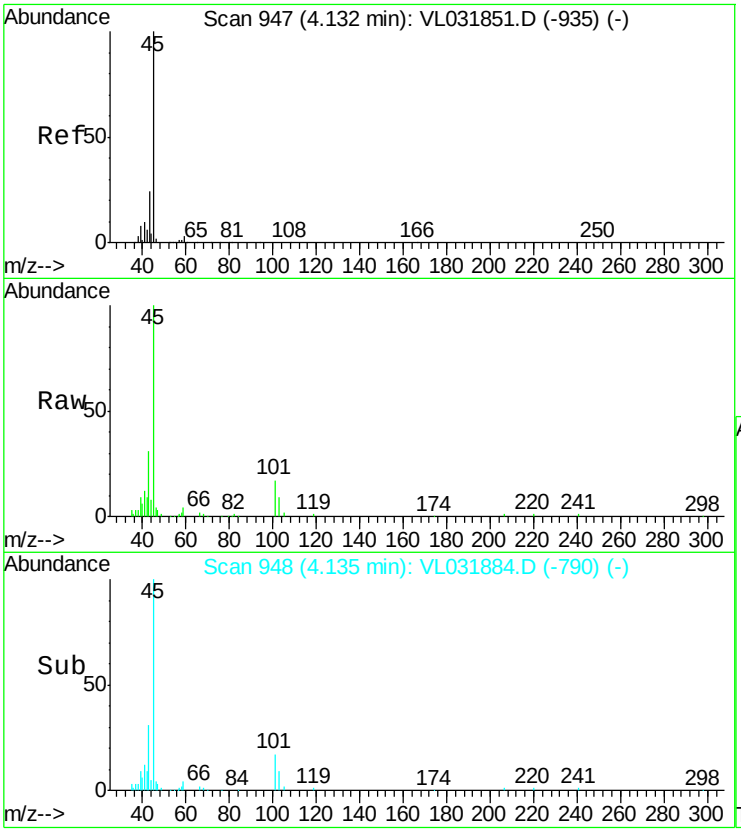


#18
1,1-Dichloroethene
Concen: 1.07 ppbv
RT: 4.47 min Scan# 1051
Delta R.T. 0.00 min
Lab File: VL031884.D
Acq: 19 Apr 2018 19:08

Tgt Ion: 96 Resp: 71172

Ion	Ratio	Lower	Upper
96	100		
61	198.9	161.0	241.6
98	60.1	52.7	79.1



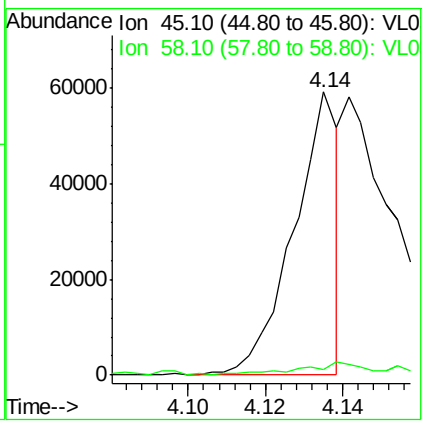


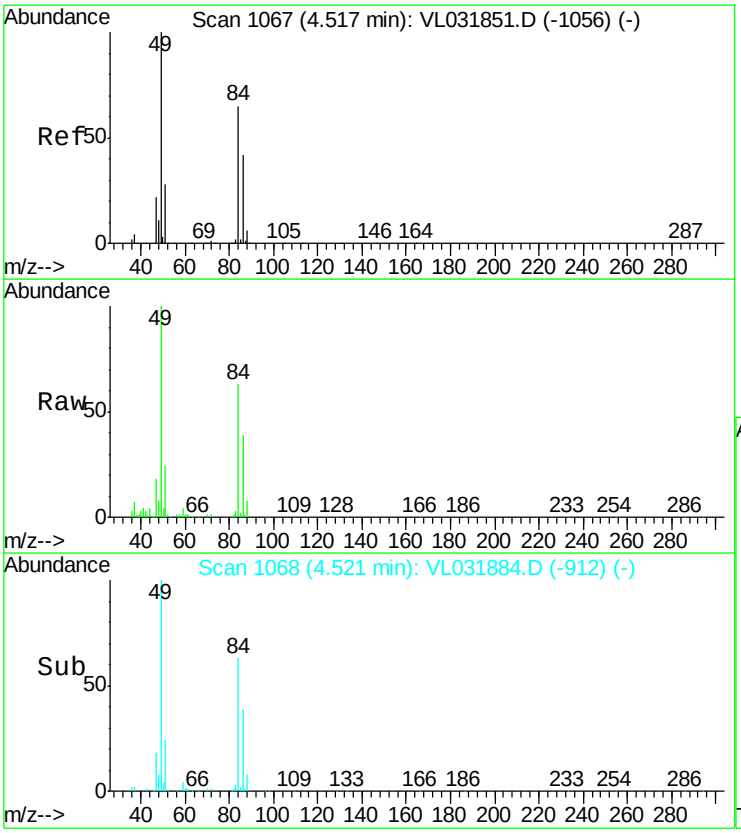
#19
Isopropyl Alcohol
Concen: 0.47 ppbv
RT: 4.14 min Scan# 948
Delta R.T. 0.01 min
Lab File: VL031884.D
Acq: 19 Apr 2018 19:08

Instrument :
MSVOA_L
ClientSampleId :
LOQ-AIR-02-QT2-2018

Tgt Ion: 45 Resp: 47041

Ion	Ratio	Lower	Upper
45	100		
58	10.5	1.7	2.5#

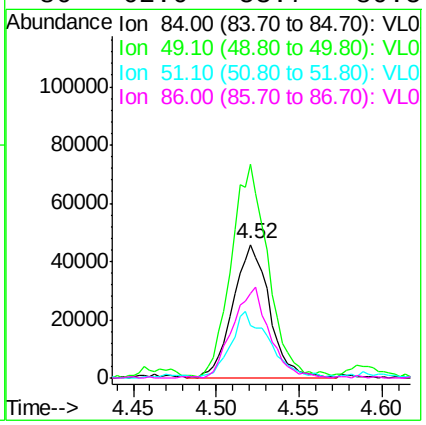


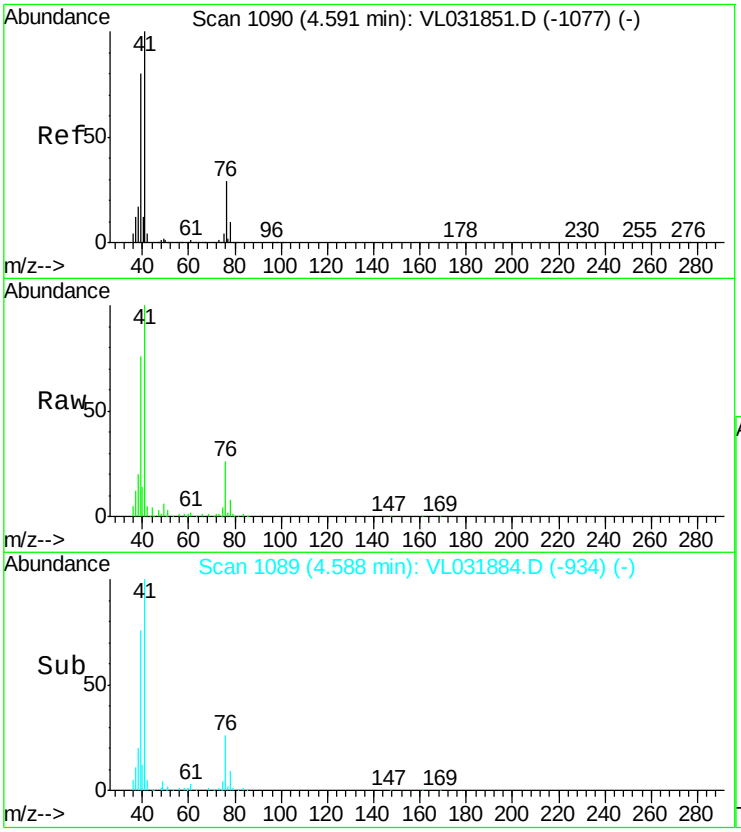


#20
Methylene Chloride
Concen: 1.07 ppbv
RT: 4.52 min Scan# 1068
Delta R.T. 0.00 min
Lab File: VL031884.D
Acq: 19 Apr 2018 19:08

Tgt Ion: 84 Resp: 70328

Ion	Ratio	Lower	Upper
84	100		
49	157.8	125.6	188.4
51	37.9	36.4	54.6
86	62.0	53.7	80.5



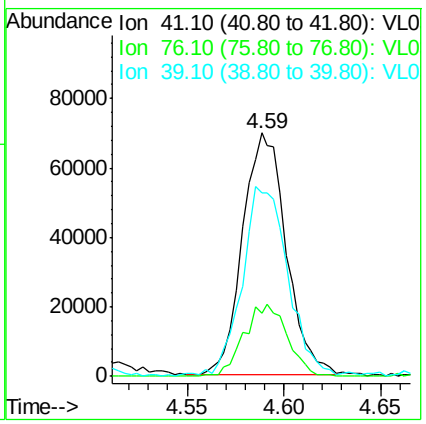


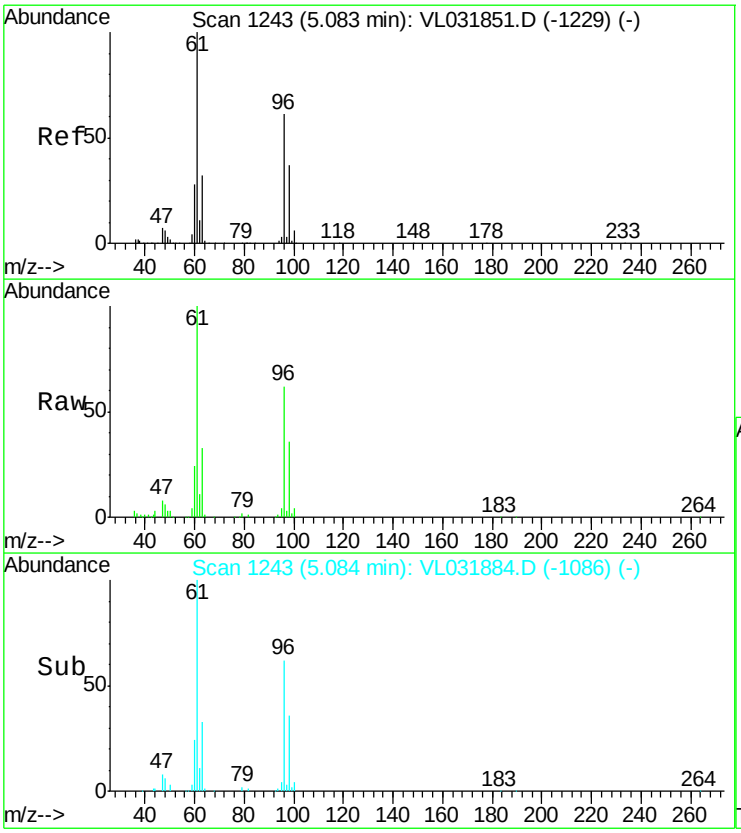
#21
Allyl Chloride
Concen: 1.06 ppbv
RT: 4.59 min Scan# 1089
Delta R.T. -0.00 min
Lab File: VL031884.D
Acq: 19 Apr 2018 19:08

Instrument :
MSVOA_L
ClientSampleId :
LOQ-AIR-02-QT2-2018

Tgt Ion: 41 Resp: 109265

Ion	Ratio	Lower	Upper
41	100		
76	29.5	23.4	35.2
39	82.7	67.6	101.4

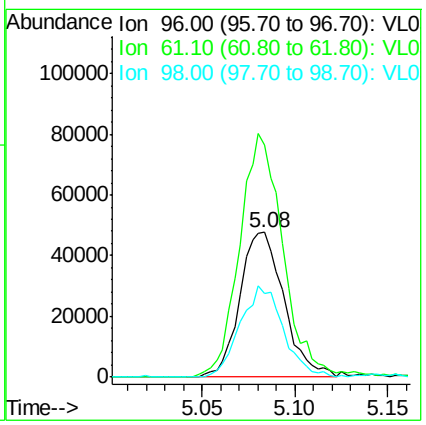


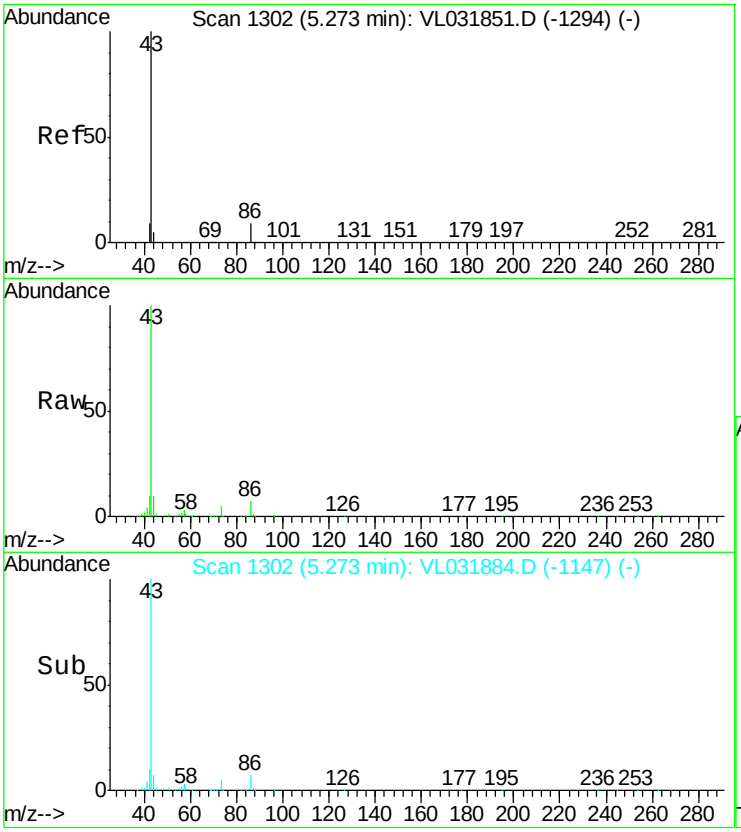


#22
trans-1,2-Dichloroethene
Concen: 1.14 ppbv
RT: 5.08 min Scan# 1243
Delta R.T. 0.00 min
Lab File: VL031884.D
Acq: 19 Apr 2018 19:08

Tgt Ion: 96 Resp: 78457

Ion	Ratio	Lower	Upper
96	100		
61	160.2	131.1	196.7
98	57.9	47.6	71.4



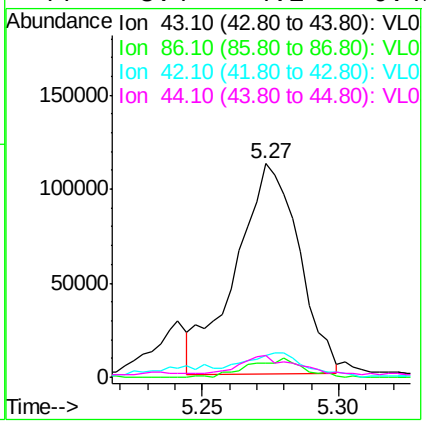


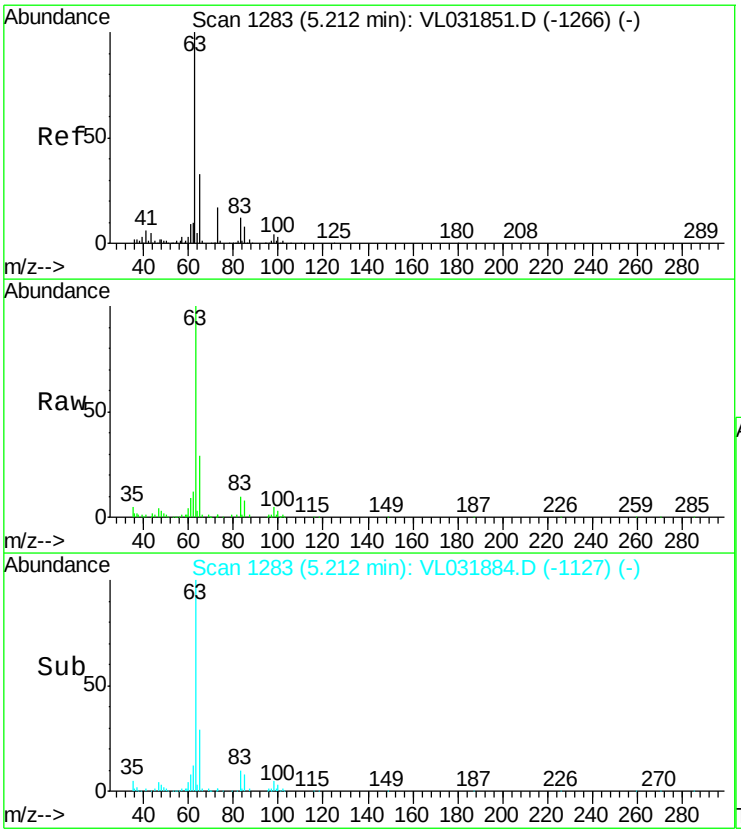
#23
Vinyl Acetate
Concen: 0.99 ppbv
RT: 5.27 min Scan# 1302
Delta R.T. -0.00 min
Lab File: VL031884.D
Acq: 19 Apr 2018 19:08

Instrument :
MSVOA_L
ClientSampleId :
LOQ-AIR-02-QT2-2018

Tgt Ion: 43 Resp: 180612

Ion	Ratio	Lower	Upper
43	100		
86	7.0	5.8	8.8
42	8.3	8.5	12.7#
44	8.4	4.2	6.4#

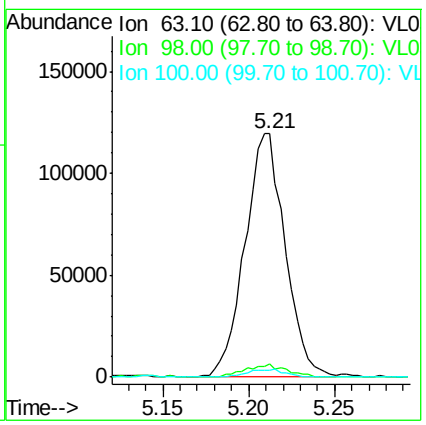


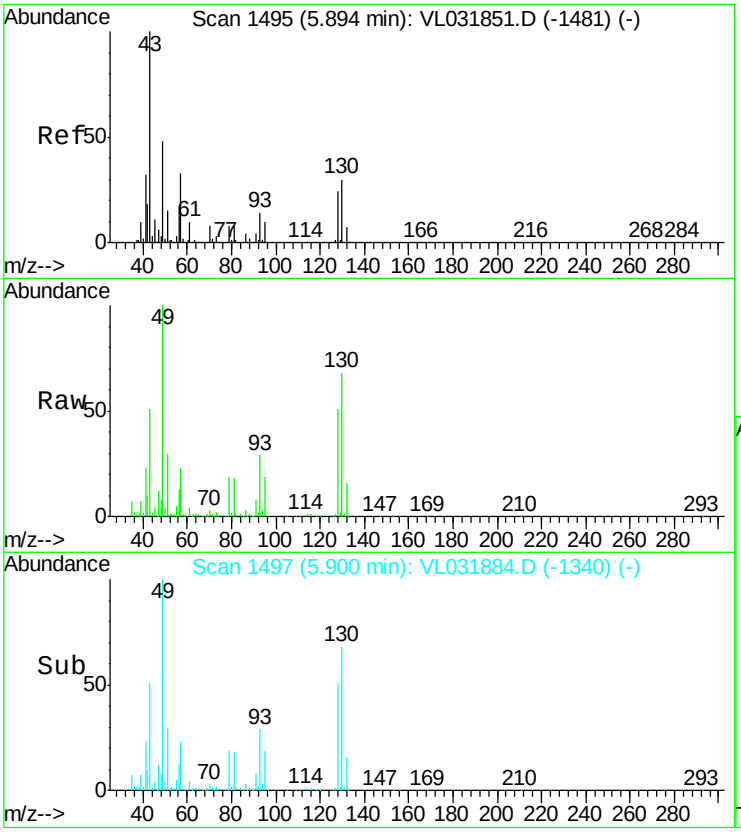


#24
1,1-Dichloroethane
Concen: 1.06 ppbv
RT: 5.21 min Scan# 1283
Delta R.T. 0.00 min
Lab File: VL031884.D
Acq: 19 Apr 2018 19:08

Tgt Ion: 63 Resp: 194024

Ion	Ratio	Lower	Upper
63	100		
98	5.1	2.4	7.2
100	2.6	1.5	4.4



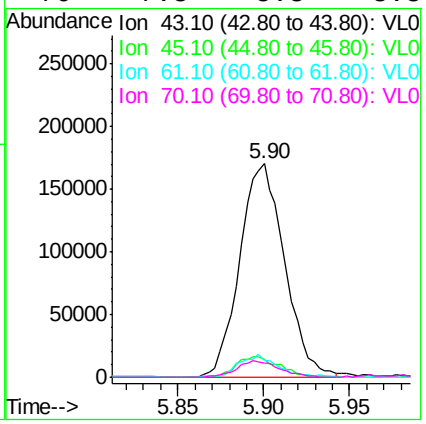


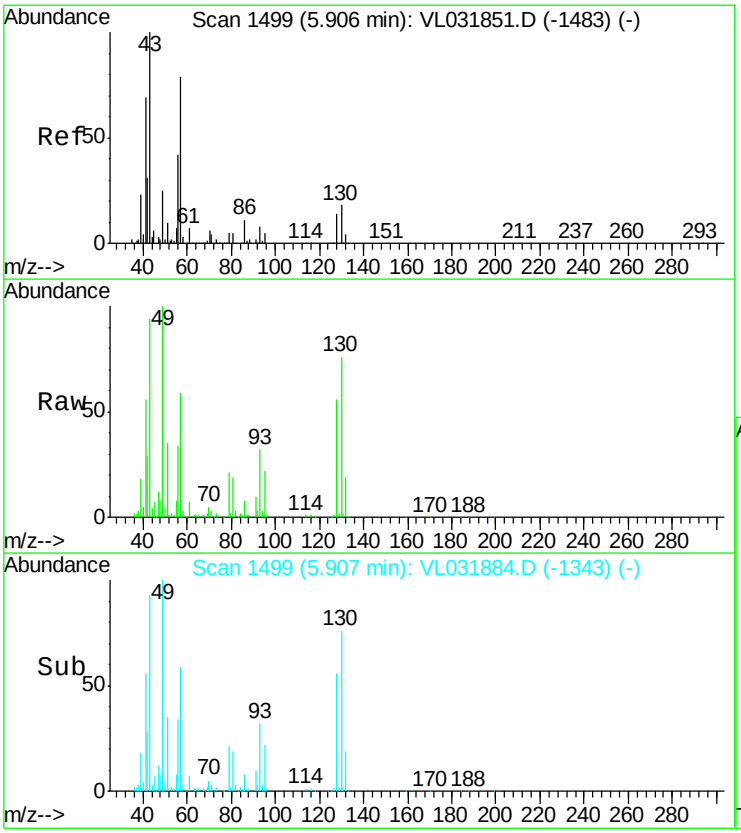
#25
Ethyl Acetate
Concen: 1.09 ppbv
RT: 5.90 min Scan# 1497
Delta R.T. 0.00 min
Lab File: VL031884.D
Acq: 19 Apr 2018 19:08

Instrument :
MSVOA_L
ClientSampleId :
LOQ-AIR-02-QT2-2018

Tgt Ion: 43 Resp: 306189

Ion	Ratio	Lower	Upper
43	100		
45	9.5	7.8	11.8
61	9.3	7.2	10.8
70	7.3	5.8	8.8

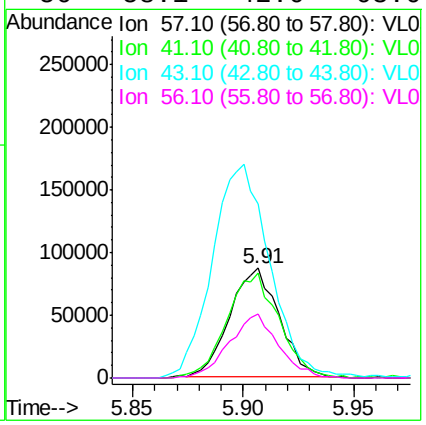


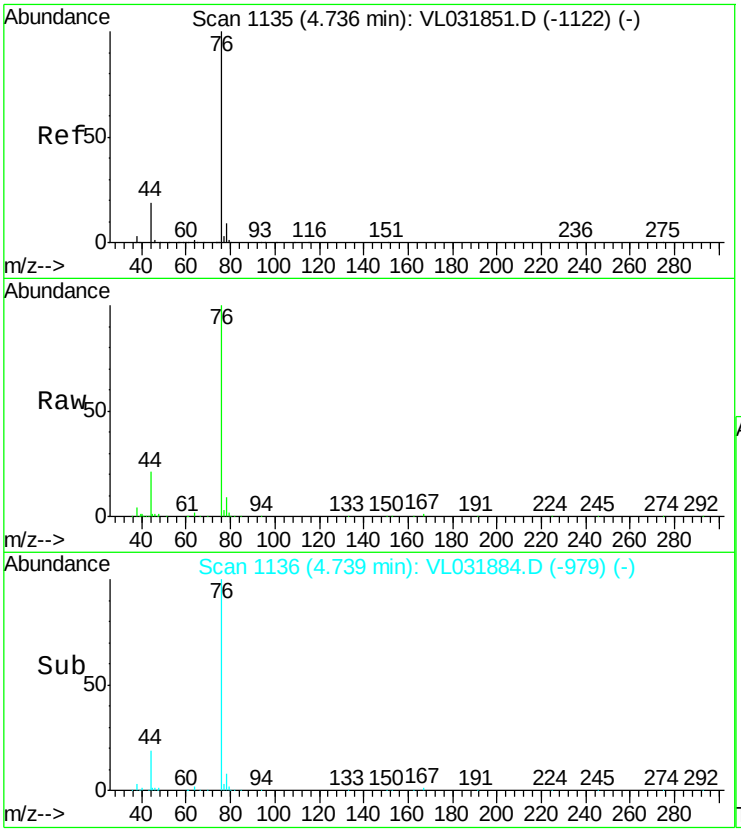


#26
Hexane
Concen: 1.04 ppbv
RT: 5.91 min Scan# 1499
Delta R.T. 0.00 min
Lab File: VL031884.D
Acq: 19 Apr 2018 19:08

Tgt Ion: 57 Resp: 136238

Ion	Ratio	Lower	Upper
57	100		
41	102.5	72.0	108.0
43	230.8	169.8	254.8
56	58.1	42.0	63.0



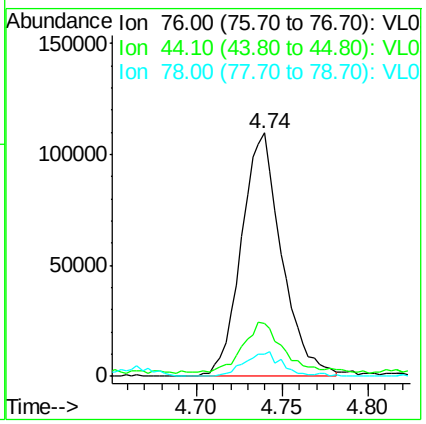


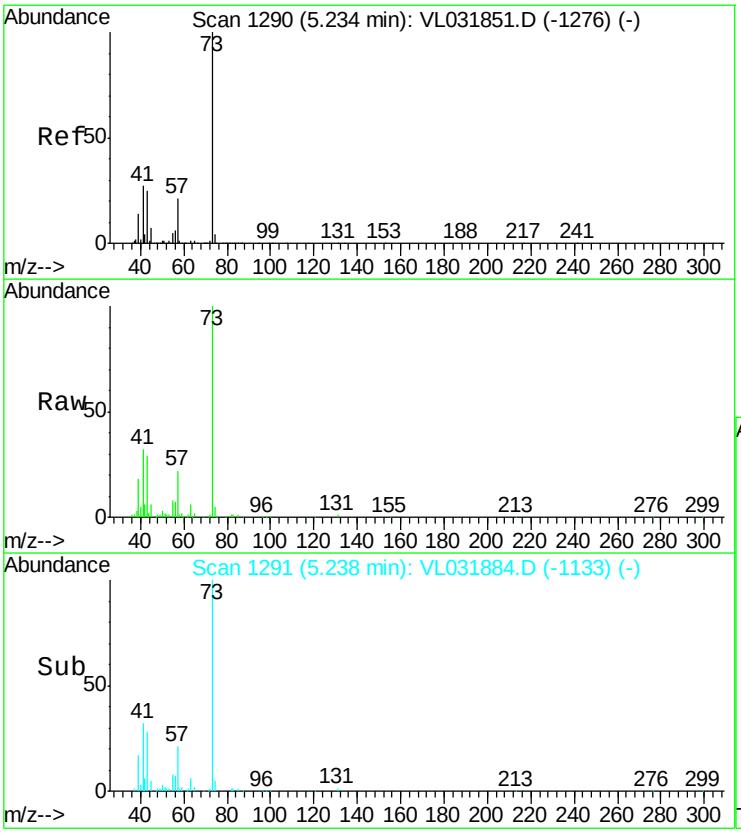
#27
Carbon Disulfide
Concen: 1.05 ppbv
RT: 4.74 min Scan# 1136
Delta R.T. 0.00 min
Lab File: VL031884.D
Acq: 19 Apr 2018 19:08

Instrument :
MSVOA_L
ClientSampleId :
LOQ-AIR-02-QT2-2018

Tgt Ion: 76 Resp: 178669

Ion	Ratio	Lower	Upper
76	100		
44	22.8	15.6	23.4
78	9.7	7.6	11.4

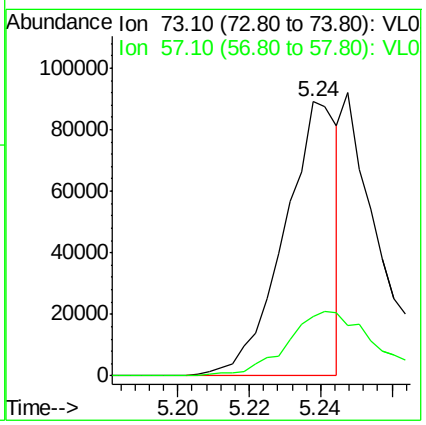


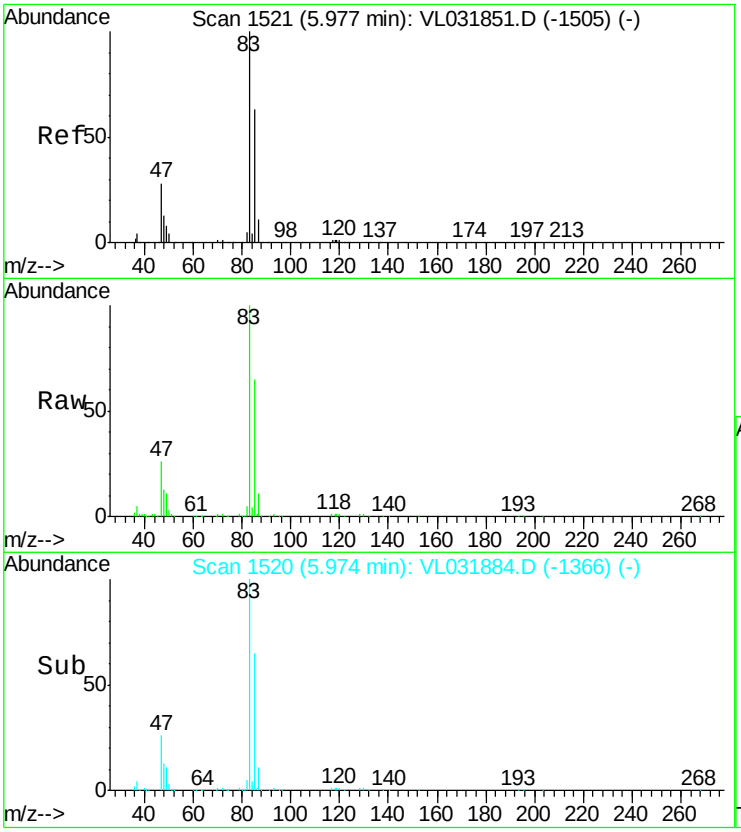


#28
Methyl tert-Butyl Ether
Concen: 0.57 ppbv
RT: 5.24 min Scan# 1291
Delta R.T. 0.01 min
Lab File: VL031884.D
Acq: 19 Apr 2018 19:08

Tgt Ion: 73 Resp: 92100

Ion	Ratio	Lower	Upper
73	100		
57	39.0	17.6	26.4#



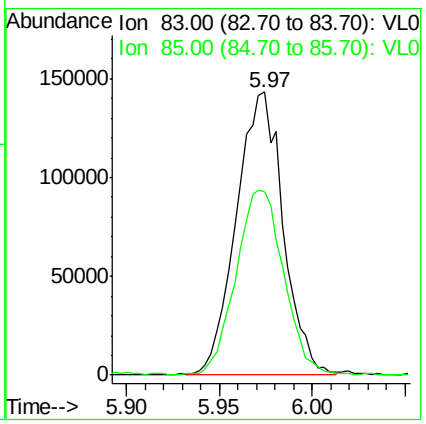


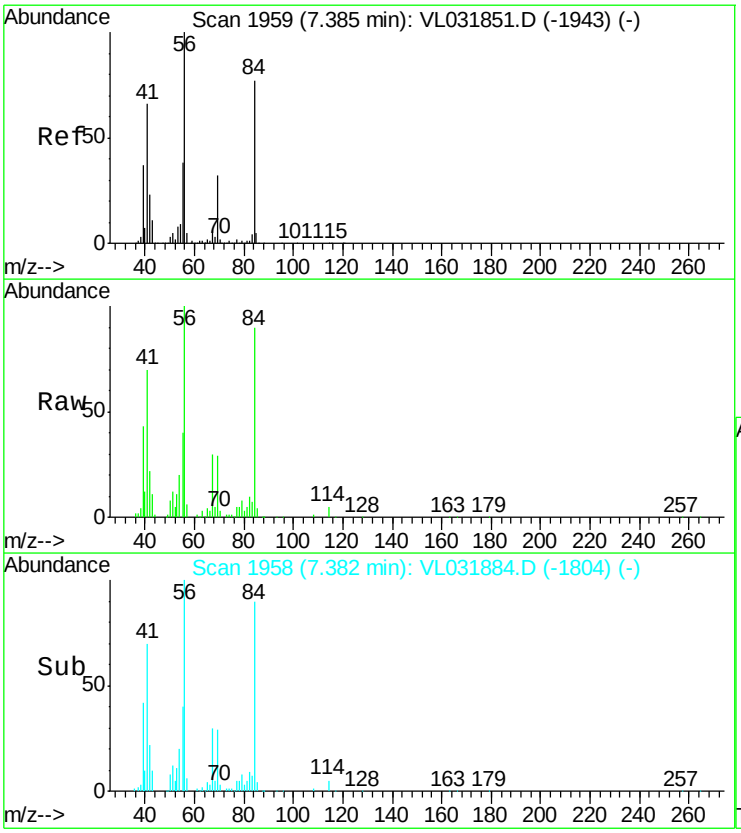
#29
Chloroform
Concen: 1.13 ppbv
RT: 5.97 min Scan# 1520
Delta R.T. -0.01 min
Lab File: VL031884.D
Acq: 19 Apr 2018 19:08

Instrument :
MSVOA_L
ClientSampleId :
LOQ-AIR-02-QT2-2018

Tgt Ion: 83 Resp: 250495

Ion	Ratio	Lower	Upper
83	100		
85	64.3	51.4	77.0

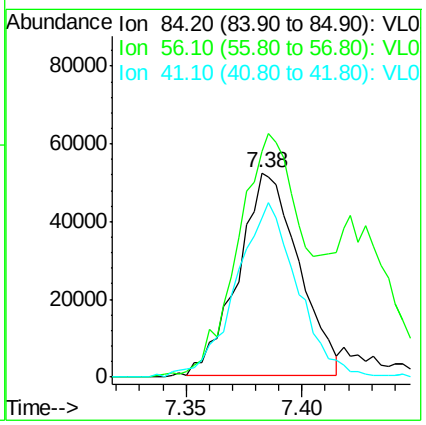


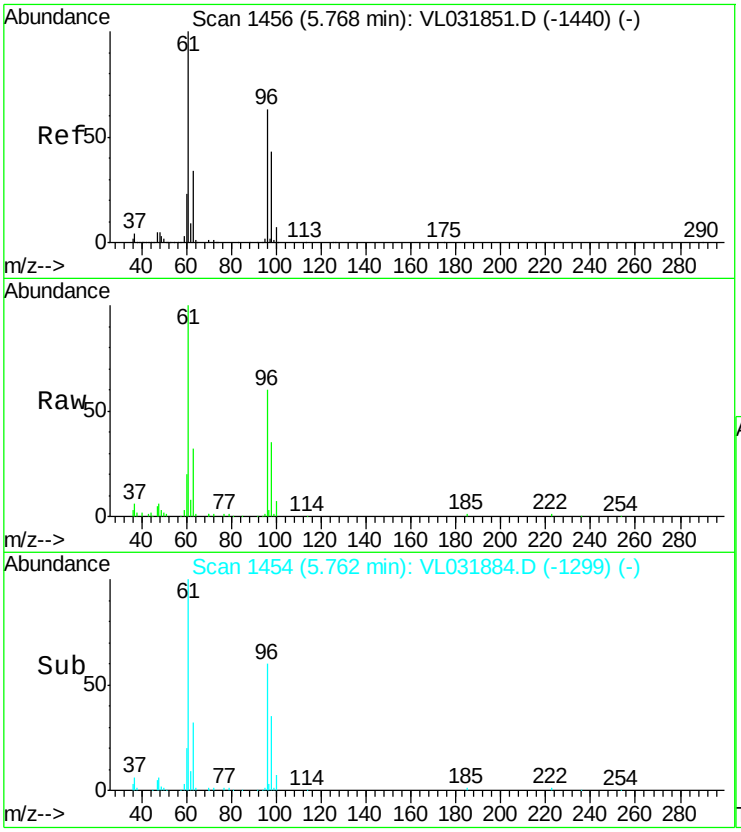


#30
Cyclohexane
Concen: 1.01 ppbv
RT: 7.38 min Scan# 1958
Delta R.T. -0.01 min
Lab File: VL031884.D
Acq: 19 Apr 2018 19:08

Tgt Ion: 84 Resp: 94654

Ion	Ratio	Lower	Upper
84	100		
56	203.5	107.7	161.5#
41	87.9	68.2	102.2



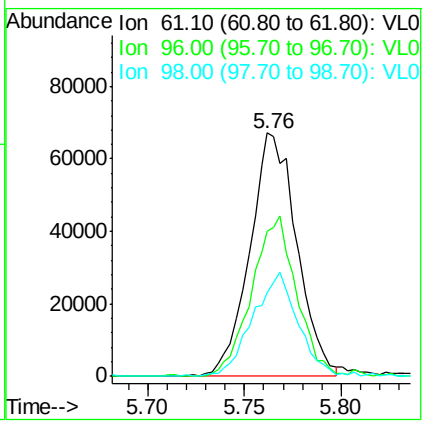


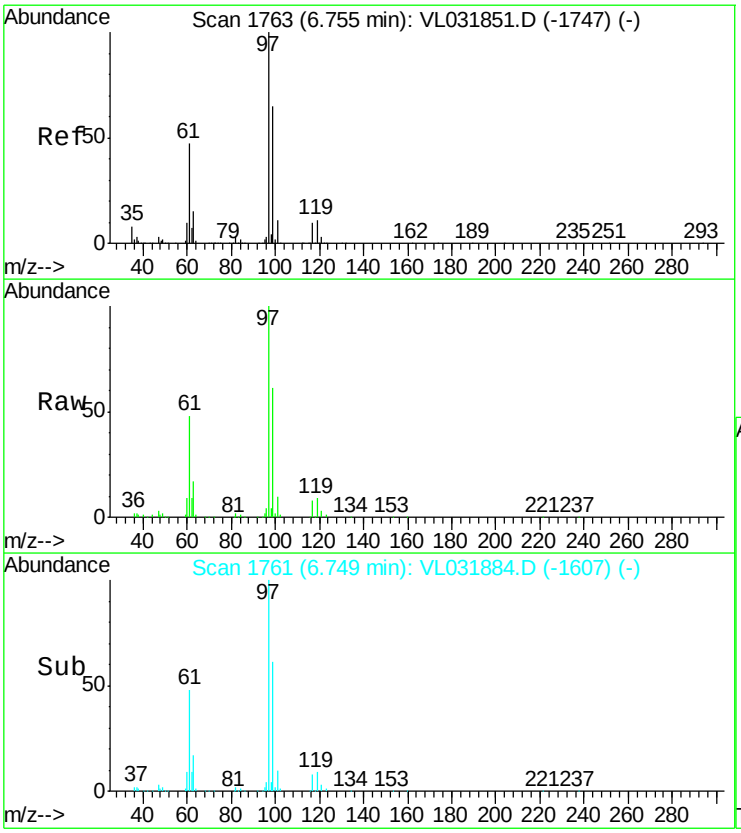
#31
cis-1,2-Dichloroethene
Concen: 0.95 ppbv
RT: 5.76 min Scan# 1454
Delta R.T. -0.00 min
Lab File: VL031884.D
Acq: 19 Apr 2018 19:08

Instrument :
MSVOA_L
ClientSampleId :
LOQ-AIR-02-QT2-2018

Tgt Ion: 61 Resp: 113533

Ion	Ratio	Lower	Upper
61	100		
96	59.6	47.6	71.4
98	34.0	30.3	45.5

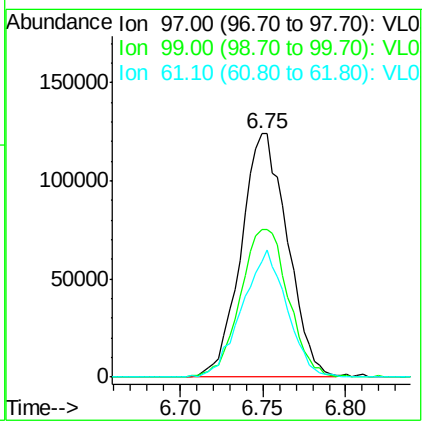


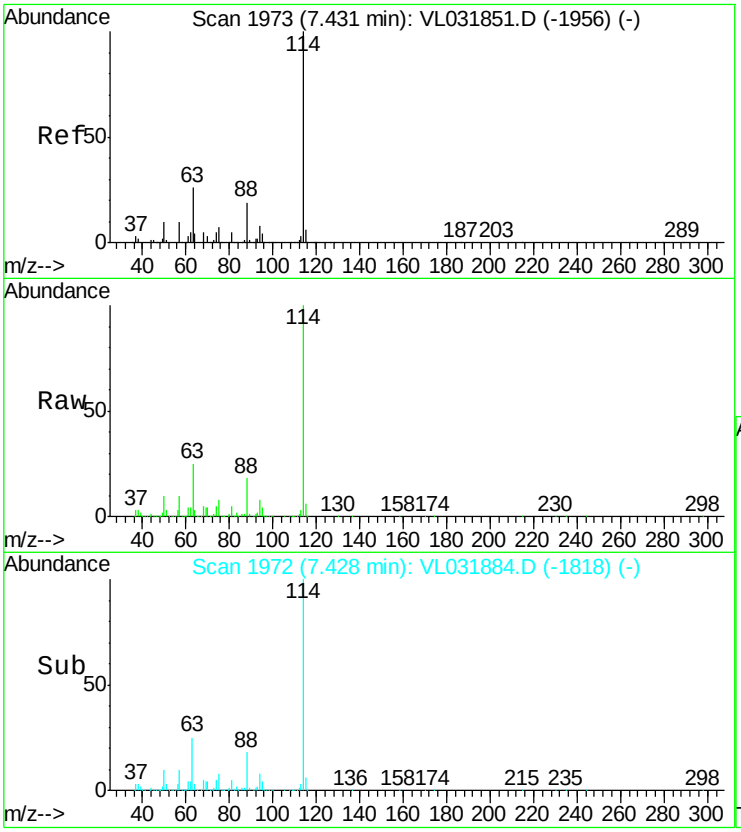


#32
1,1,1-Trichloroethane
Concen: 1.11 ppbv
RT: 6.75 min Scan# 1761
Delta R.T. -0.01 min
Lab File: VL031884.D
Acq: 19 Apr 2018 19:08

Tgt Ion: 97 Resp: 240961

Ion	Ratio	Lower	Upper
97	100		
99	62.9	51.5	77.3
61	50.5	40.0	60.0



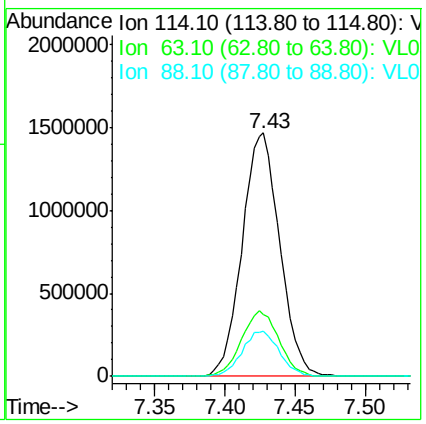


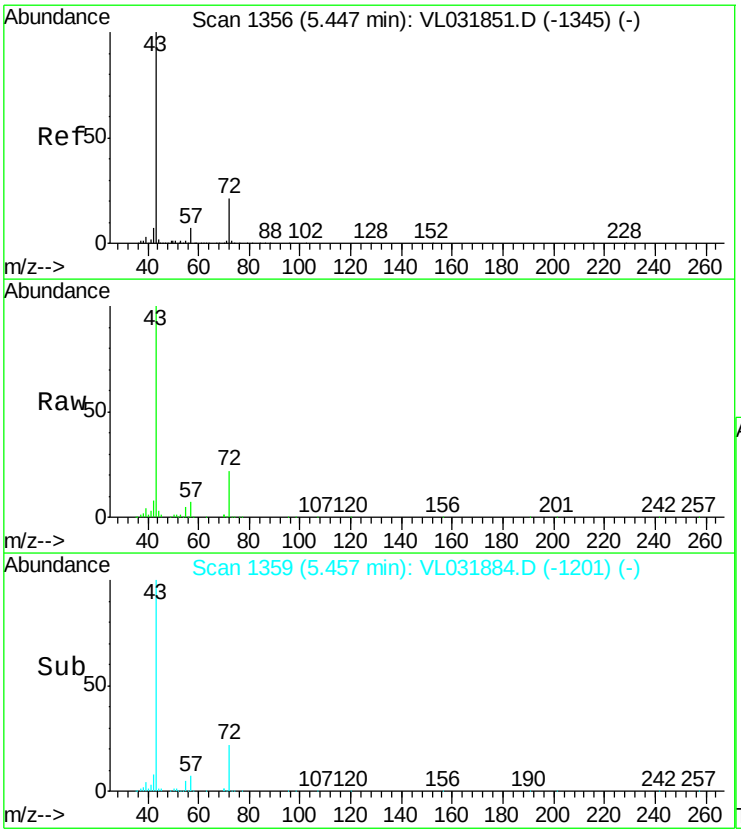
#33
1,4-Difluorobenzene
Concen: 10.00 ppbv
RT: 7.43 min Scan# 1972
Delta R.T. -0.01 min
Lab File: VL031884.D
Acq: 19 Apr 2018 19:08

Instrument :
MSVOA_L
ClientSampleId :
LOQ-AIR-02-QT2-2018

Tgt Ion:114 Resp: 2733814

Ion	Ratio	Lower	Upper
114	100		
63	27.0	21.8	32.6
88	18.5	14.6	22.0

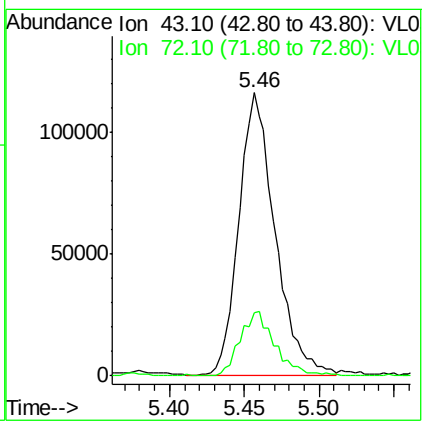


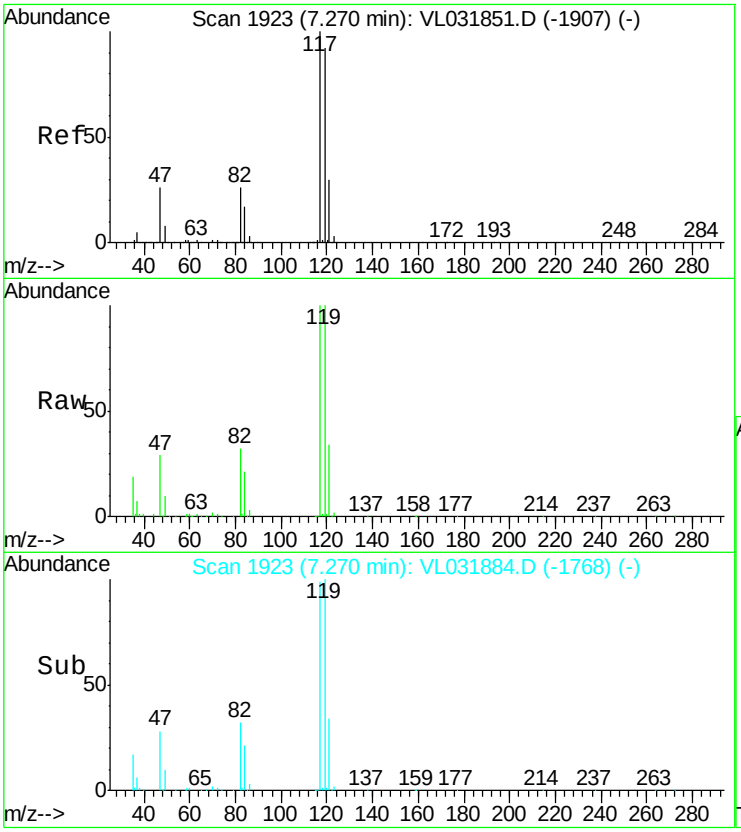


#34
2-Butanone
Concen: 1.03 ppbv
RT: 5.46 min Scan# 1359
Delta R.T. 0.01 min
Lab File: VL031884.D
Acq: 19 Apr 2018 19:08

Tgt Ion: 43 Resp: 195302

Ion	Ratio	Lower	Upper
43	100		
72	22.3	18.6	27.8



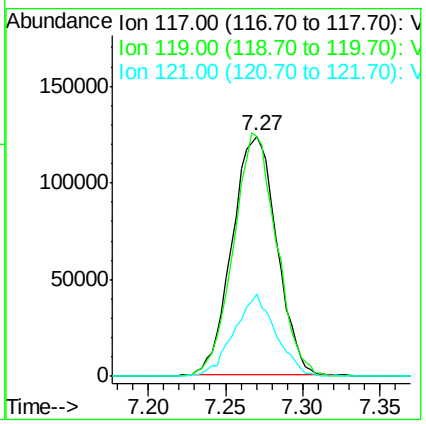


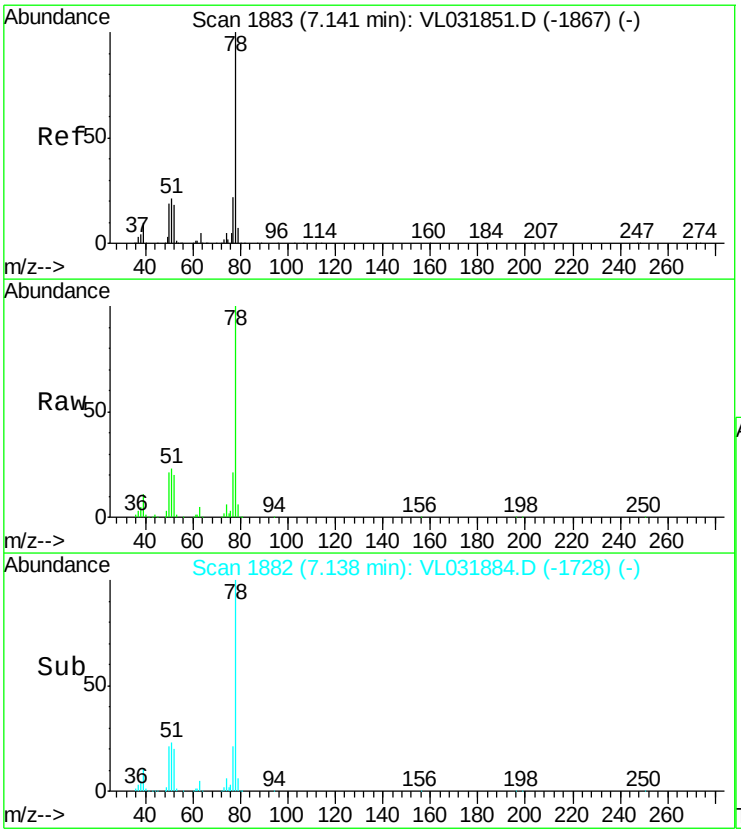
#35
Carbon Tetrachloride
Concen: 1.05 ppbv
RT: 7.27 min Scan# 1923
Delta R.T. -0.00 min
Lab File: VL031884.D
Acq: 19 Apr 2018 19:08

Instrument :
MSVOA_L
ClientSampleId :
LOQ-AIR-02-QT2-2018

Tgt Ion:117 Resp: 248642

Ion	Ratio	Lower	Upper
117	100		
119	100.3	76.9	115.3
121	34.2	24.5	36.7

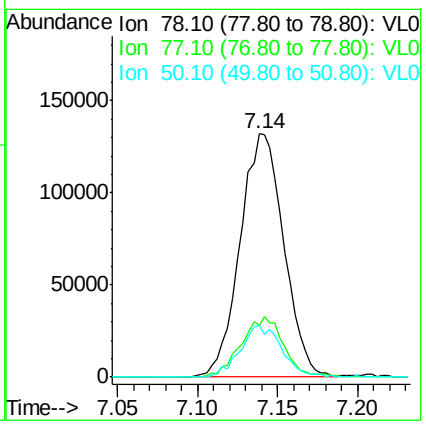


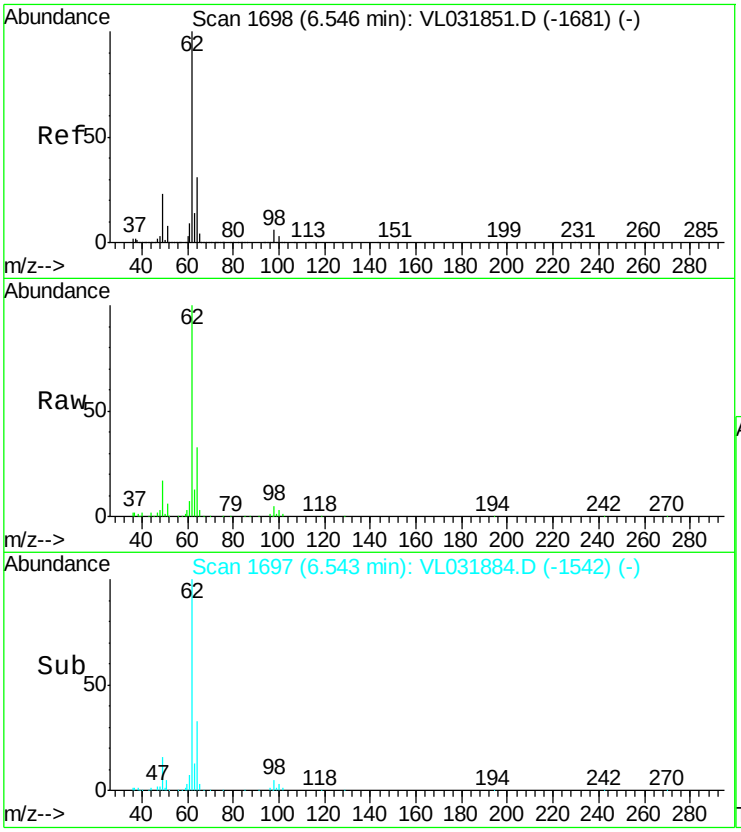


#36
Benzene
Concen: 1.00 ppbv
RT: 7.14 min Scan# 1882
Delta R.T. -0.01 min
Lab File: VL031884.D
Acq: 19 Apr 2018 19:08

Tgt Ion: 78 Resp: 245659

Ion	Ratio	Lower	Upper
78	100		
77	20.8	19.2	28.8
50	21.2	16.7	25.1



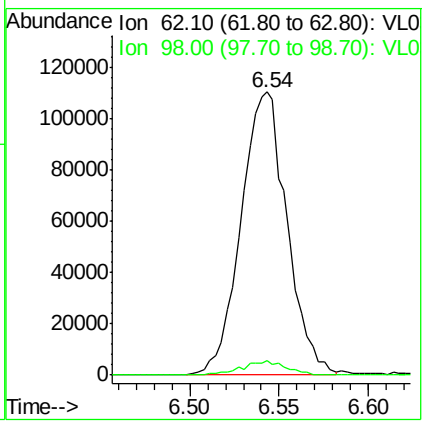


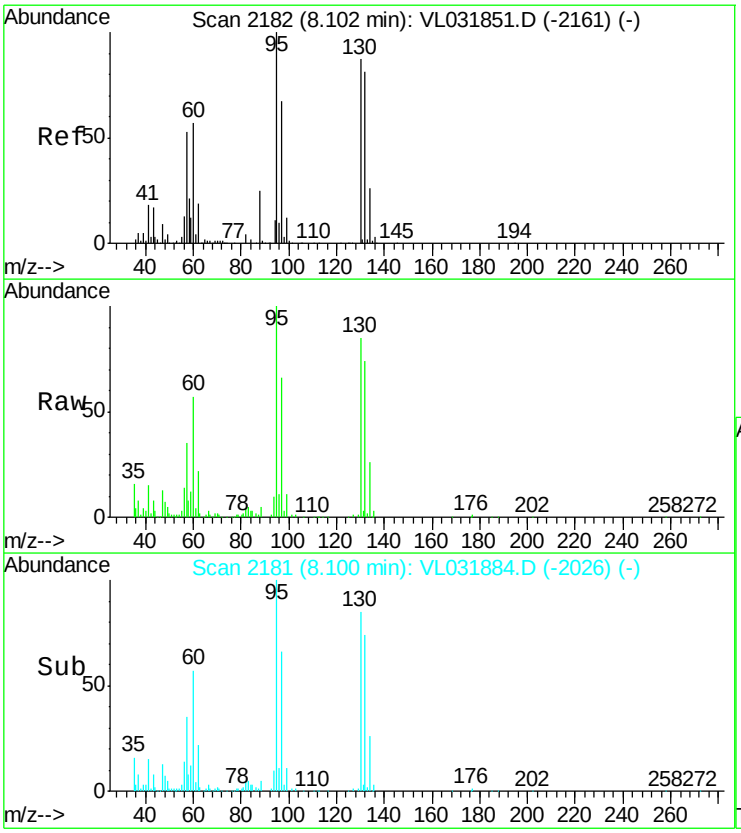
#37
1,2-Dichloroethane
Concen: 1.09 ppbv
RT: 6.54 min Scan# 1697
Delta R.T. -0.00 min
Lab File: VL031884.D
Acq: 19 Apr 2018 19:08

Instrument :
MSVOA_L
ClientSampleId :
LOQ-AIR-02-QT2-2018

Tgt Ion: 62 Resp: 199183

Ion	Ratio	Lower	Upper
62	100		
98	4.8	4.0	6.0

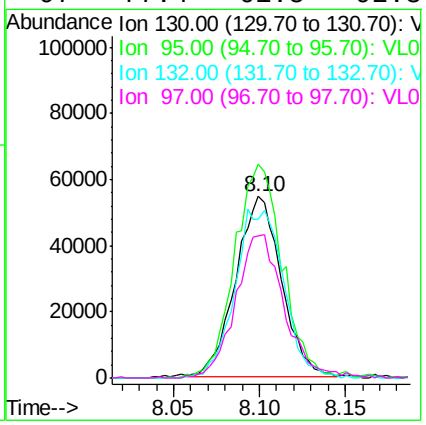


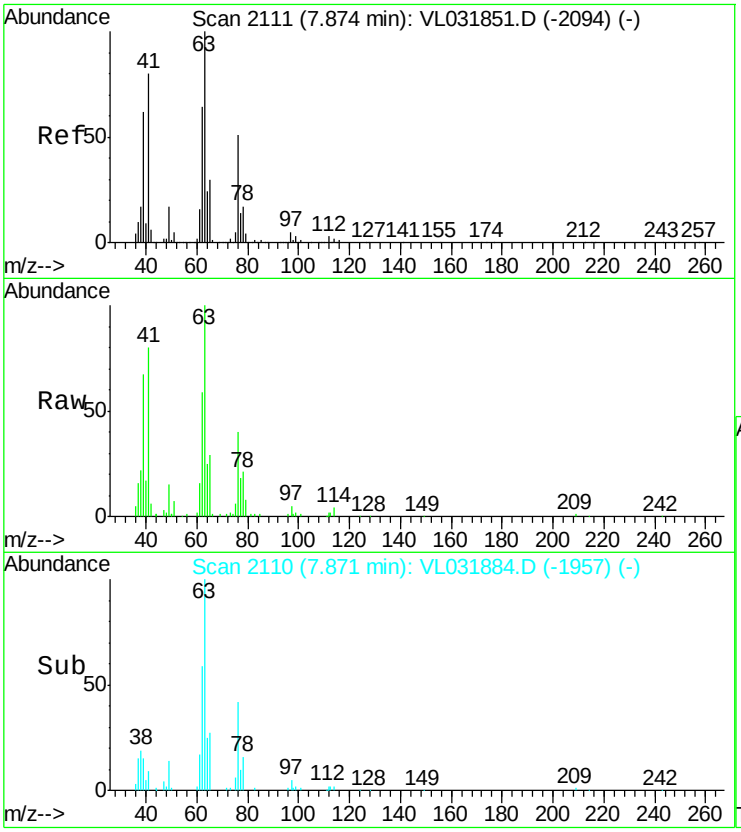


#38
Trichloroethene
Concen: 1.00 ppbv
RT: 8.10 min Scan# 2181
Delta R.T. -0.00 min
Lab File: VL031884.D
Acq: 19 Apr 2018 19:08

Tgt Ion:130 Resp: 99767

Ion	Ratio	Lower	Upper
130	100		
95	117.1	96.6	144.8
132	87.7	79.1	118.7
97	77.4	61.5	92.3



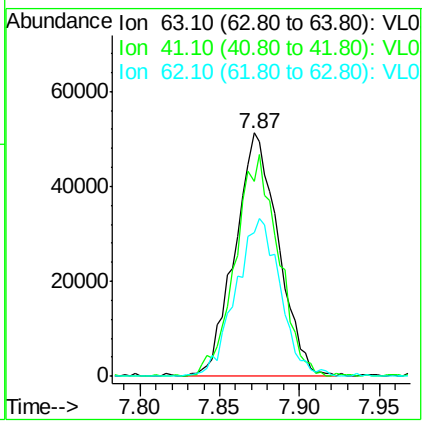


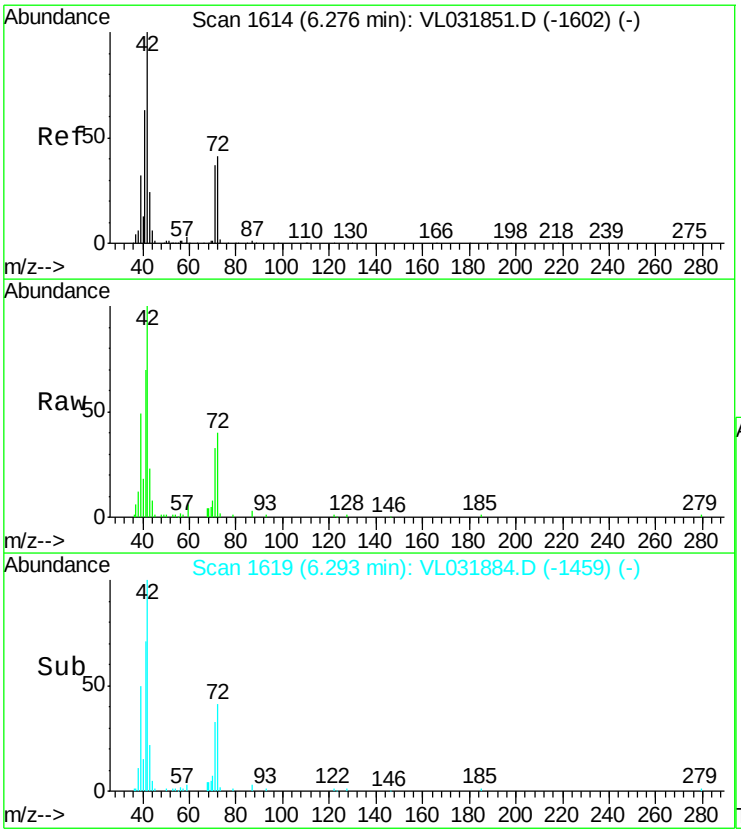
#39
1,2-Dichloropropane
Concen: 1.04 ppbv
RT: 7.87 min Scan# 2110
Delta R.T. -0.01 min
Lab File: VL031884.D
Acq: 19 Apr 2018 19:08

Instrument :
MSVOA_L
ClientSampleId :
LOQ-AIR-02-QT2-2018

Tgt Ion: 63 Resp: 94704

Ion	Ratio	Lower	Upper
63	100		
41	79.7	65.8	98.6
62	58.8	55.0	82.6

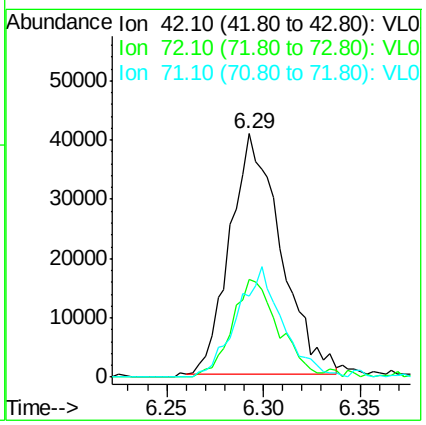


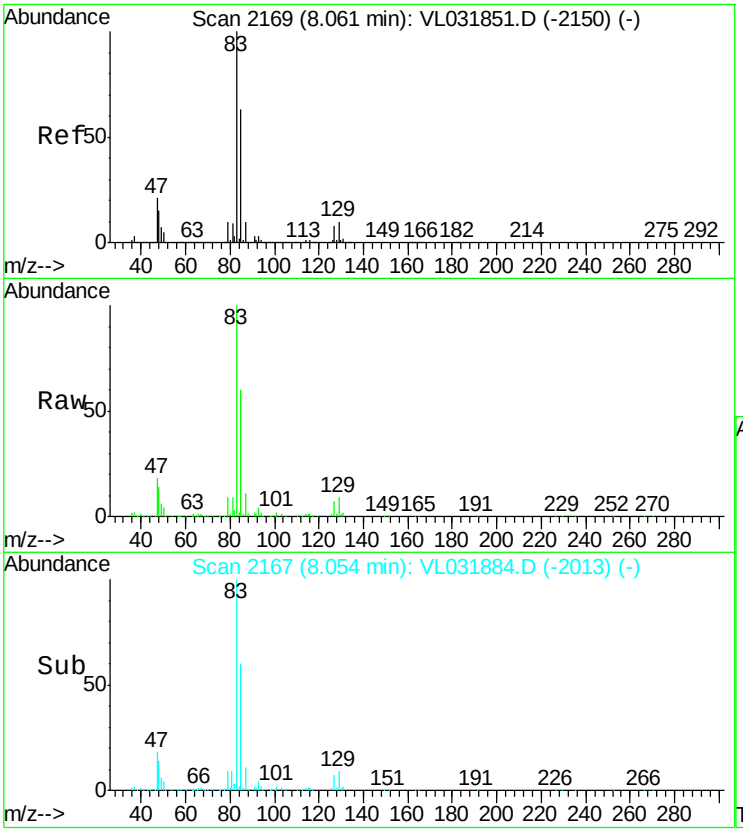


#41
Tetrahydrofuran
Concen: 0.85 ppbv
RT: 6.29 min Scan# 1619
Delta R.T. 0.01 min
Lab File: VL031884.D
Acq: 19 Apr 2018 19:08

Tgt Ion: 42 Resp: 74488

Ion	Ratio	Lower	Upper
42	100		
72	39.1	33.2	49.8
71	41.8	31.5	47.3



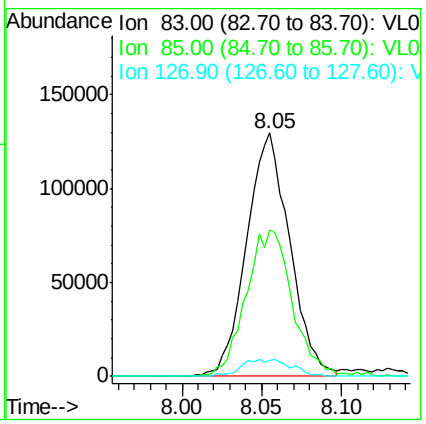


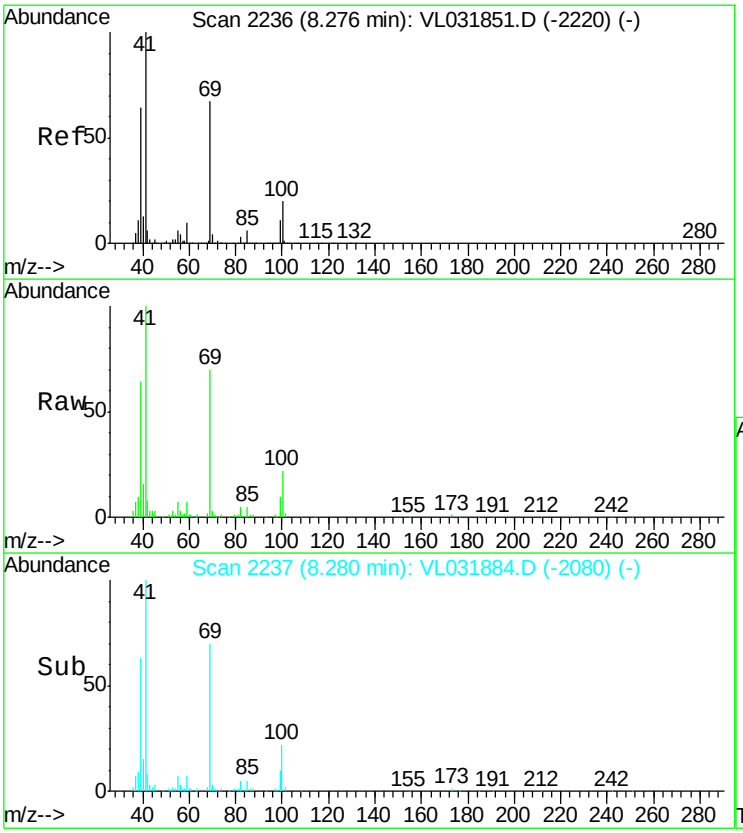
#42
Bromodichloromethane
Concen: 1.09 ppbv
RT: 8.05 min Scan# 2167
Delta R.T. -0.01 min
Lab File: VL031884.D
Acq: 19 Apr 2018 19:08

Instrument :
MSVOA_L
ClientSampleId :
LOQ-AIR-02-QT2-2018

Tgt Ion: 83 Resp: 239186

Ion	Ratio	Lower	Upper
83	100		
85	60.0	50.5	75.7
127	6.6	6.0	9.0

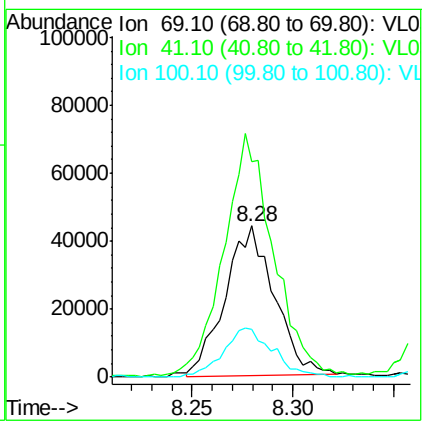


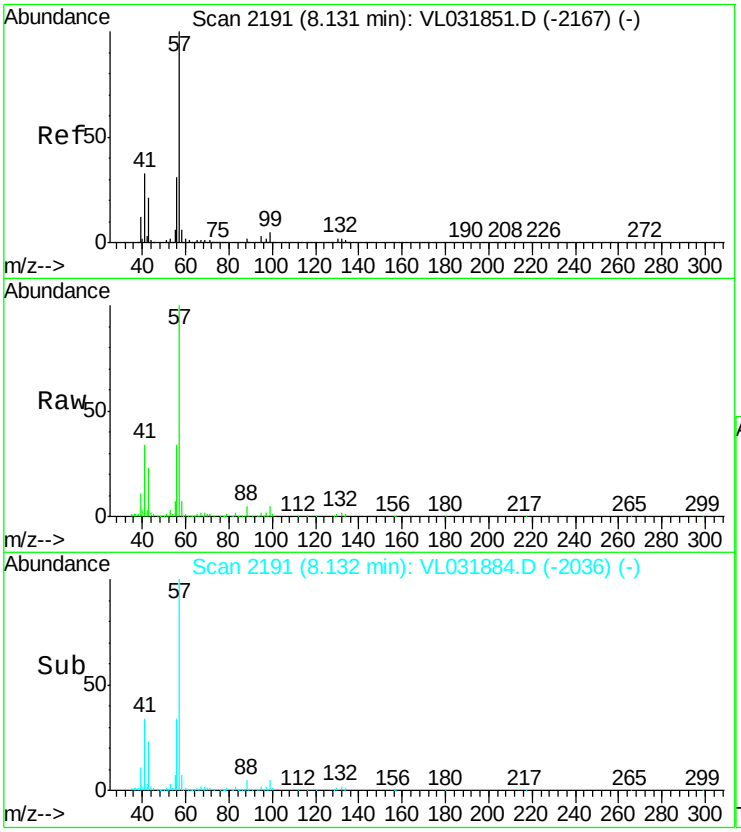


#43
Methyl Methacrylate
Concen: 0.88 ppbv
RT: 8.28 min Scan# 2237
Delta R.T. 0.00 min
Lab File: VL031884.D
Acq: 19 Apr 2018 19:08

Tgt Ion: 69 Resp: 75722

Ion	Ratio	Lower	Upper
69	100		
41	165.8	117.8	176.8
100	33.3	24.6	37.0



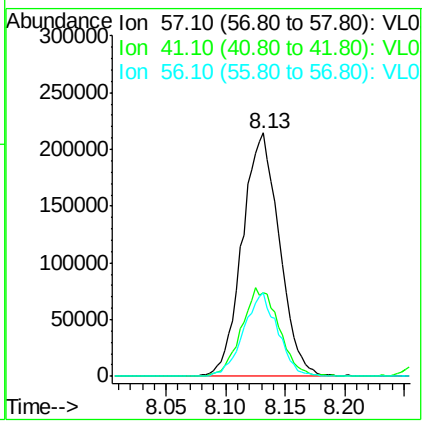


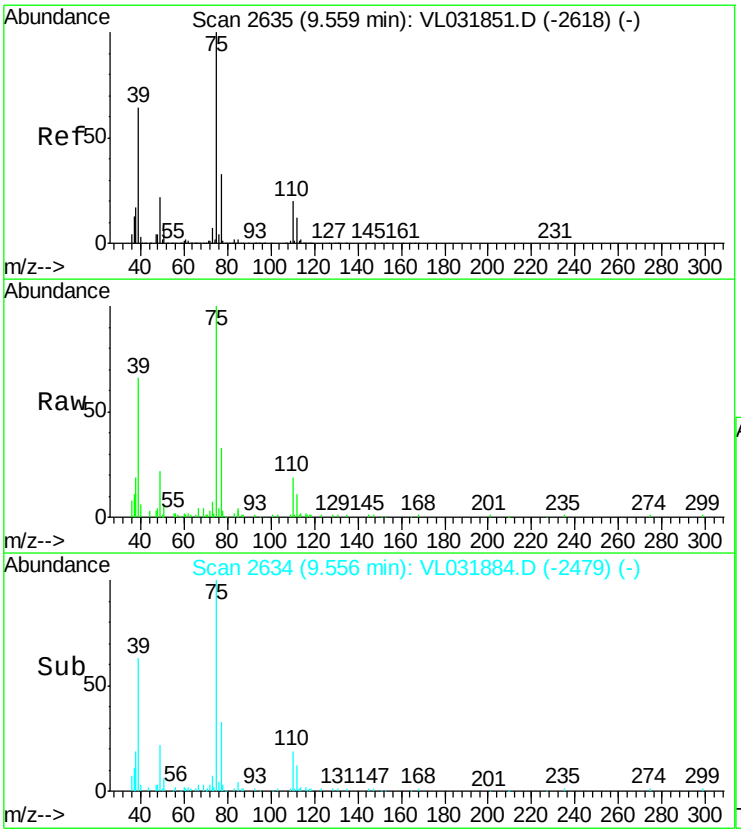
#44
2,2,4-Trimethylpentane
Concen: 1.09 ppbv
RT: 8.13 min Scan# 2191
Delta R.T. -0.00 min
Lab File: VL031884.D
Acq: 19 Apr 2018 19:08

Instrument :
MSVOA_L
ClientSampleId :
LOQ-AIR-02-QT2-2018

Tgt Ion: 57 Resp: 462671

Ion	Ratio	Lower	Upper
57	100		
41	36.7	27.0	40.6
56	31.7	24.1	36.1

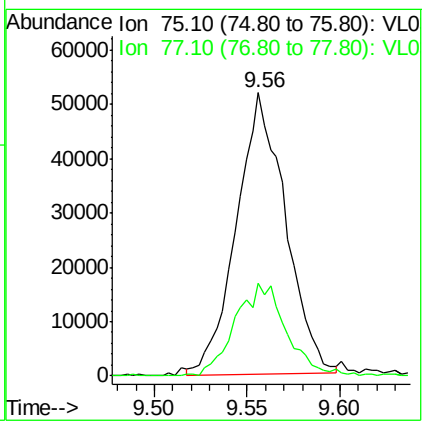


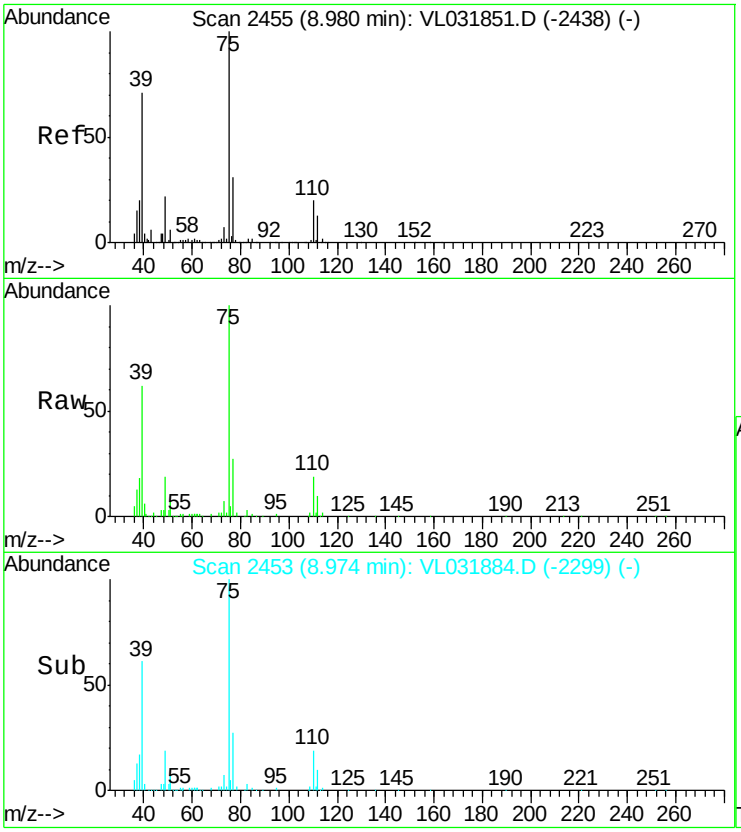


#45
t-1,3-Dichloropropene
Concen: 0.85 ppbv
RT: 9.56 min Scan# 2634
Delta R.T. -0.00 min
Lab File: VL031884.D
Acq: 19 Apr 2018 19:08

Tgt Ion: 75 Resp: 95696

Ion	Ratio	Lower	Upper
75	100		
77	32.8	25.1	37.7



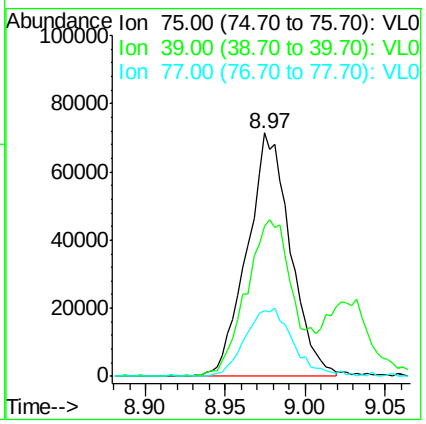


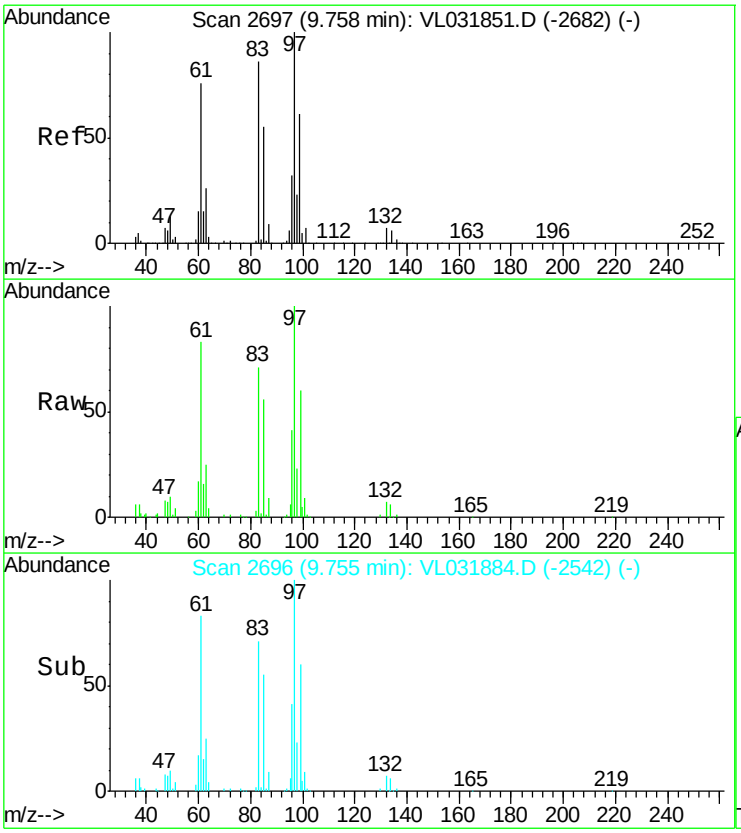
#46
cis-1,3-Dichloropropene
Concen: 0.92 ppbv
RT: 8.97 min Scan# 2453
Delta R.T. -0.01 min
Lab File: VL031884.D
Acq: 19 Apr 2018 19:08

Instrument :
MSVOA_L
ClientSampleId :
LOQ-AIR-02-QT2-2018

Tgt Ion: 75 Resp: 132671

Ion	Ratio	Lower	Upper
75	100		
39	61.1	58.6	87.8
77	26.6	26.8	40.2#

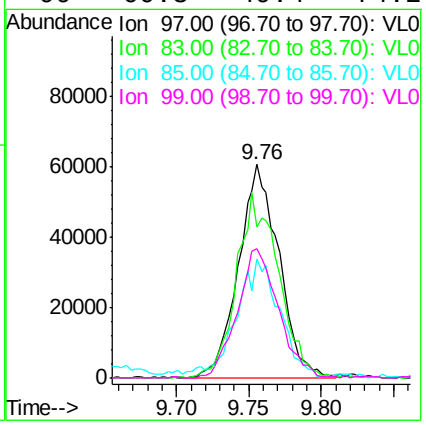


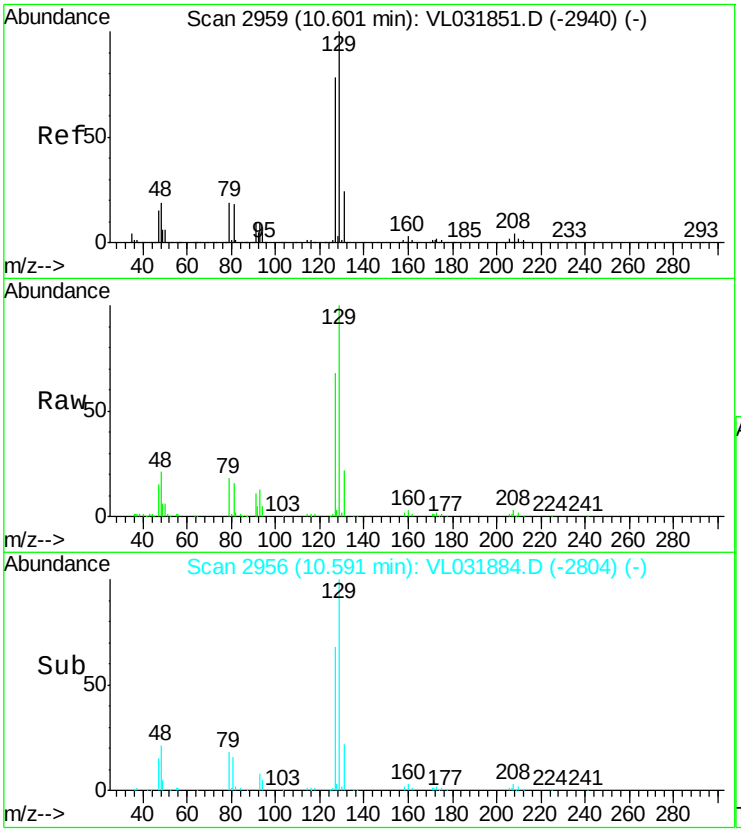


#47
1,1,2-Trichloroethane
Concen: 1.08 ppbv
RT: 9.76 min Scan# 2696
Delta R.T. -0.01 min
Lab File: VL031884.D
Acq: 19 Apr 2018 19:08

Tgt Ion: 97 Resp: 117413

Ion	Ratio	Lower	Upper
97	100		
83	71.0	69.1	103.7
85	53.8	43.7	65.5
99	60.3	49.4	74.2



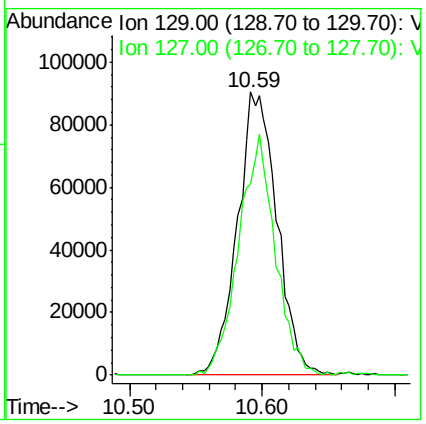


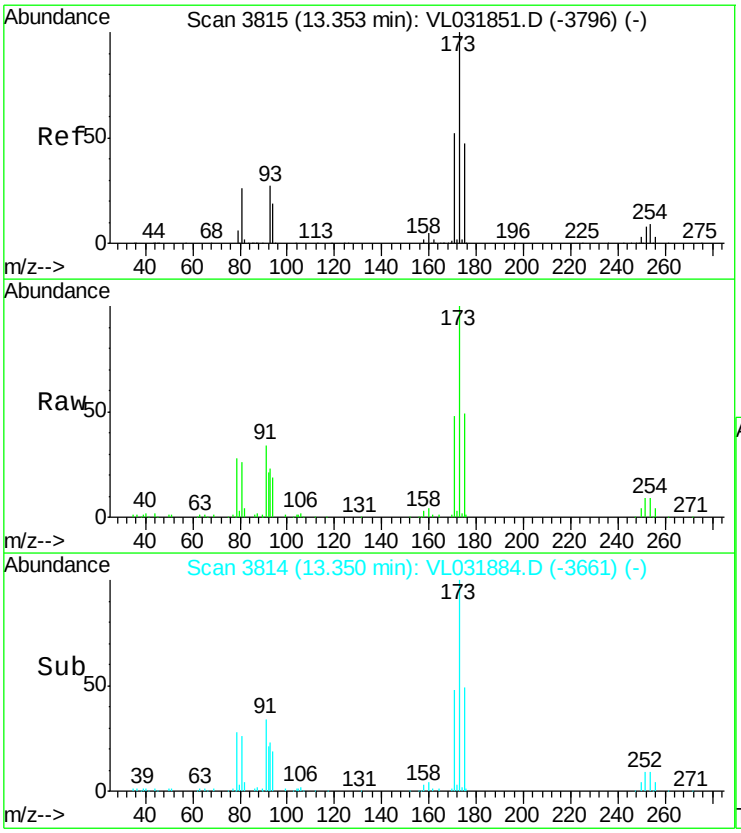
#48
Dibromochloromethane
Concen: 1.07 ppbv
RT: 10.59 min Scan# 2956
Delta R.T. -0.01 min
Lab File: VL031884.D
Acq: 19 Apr 2018 19:08

Instrument :
MSVOA_L
ClientSampleId :
LOQ-AIR-02-QT2-2018

Tgt Ion:129 Resp: 187483

Ion	Ratio	Lower	Upper
129	100		
127	78.7	39.1	117.5

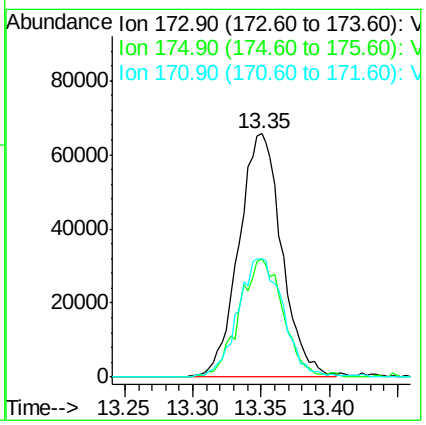


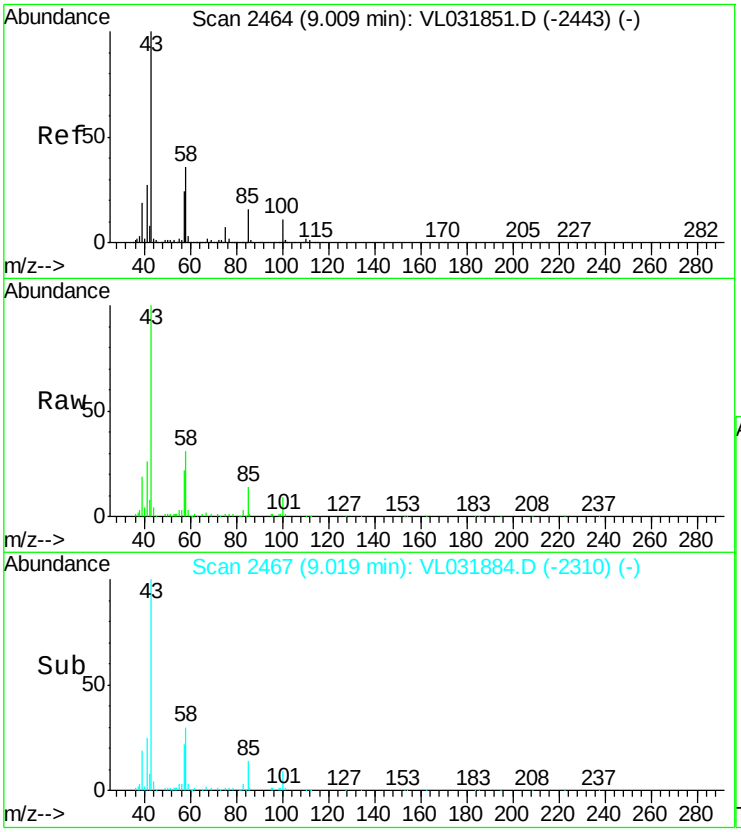


#49
Bromoform
Concen: 1.06 ppbv
RT: 13.35 min Scan# 3814
Delta R.T. -0.01 min
Lab File: VL031884.D
Acq: 19 Apr 2018 19:08

Tgt Ion:173 Resp: 143591

Ion	Ratio	Lower	Upper
173	100		
175	49.5	39.0	58.6
171	51.7	41.4	62.0



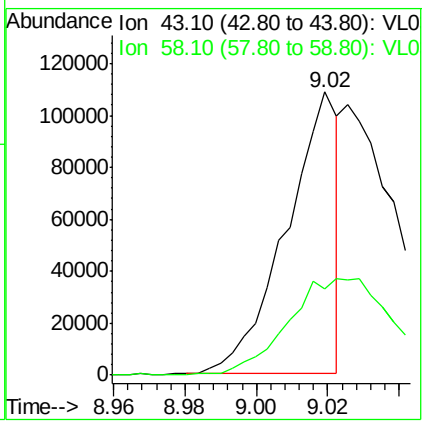


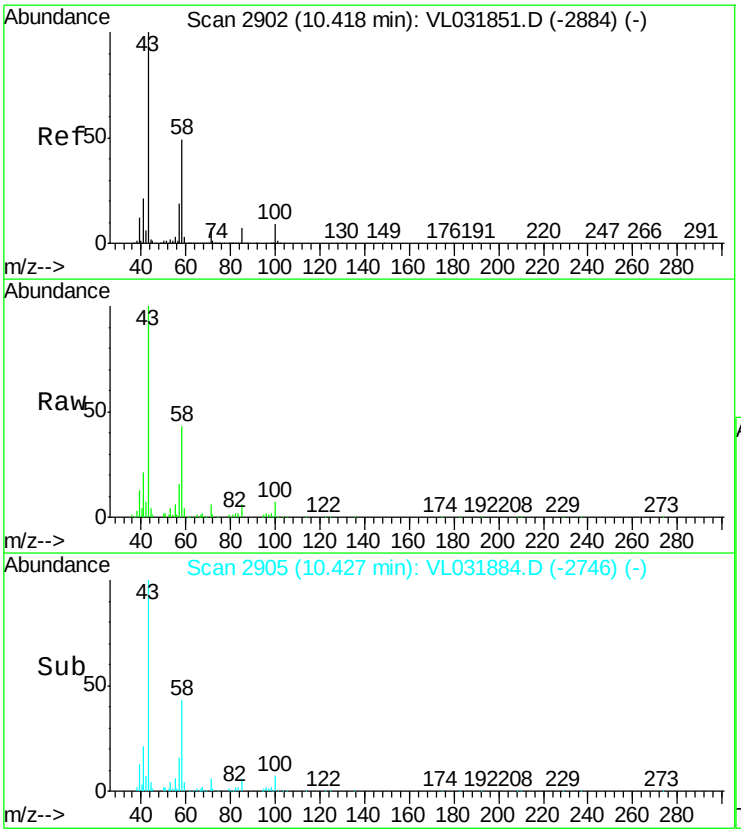
#50
4-Methyl-2-Pentanone
Concen: 0.50 ppbv
RT: 9.02 min Scan# 2467
Delta R.T. 0.00 min
Lab File: VL031884.D
Acq: 19 Apr 2018 19:08

Instrument :
MSVOA_L
ClientSampleId :
LOQ-AIR-02-QT2-2018

Tgt Ion: 43 Resp: 108719

Ion	Ratio	Lower	Upper
43	100		
58	0.0	28.6	43.0#

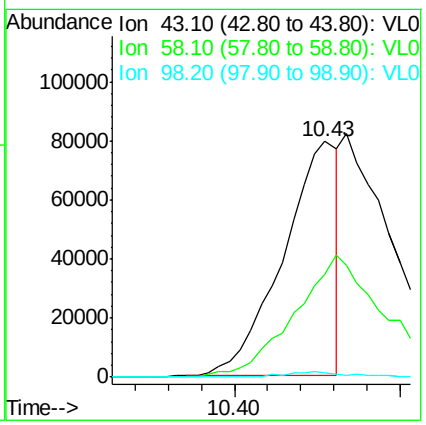


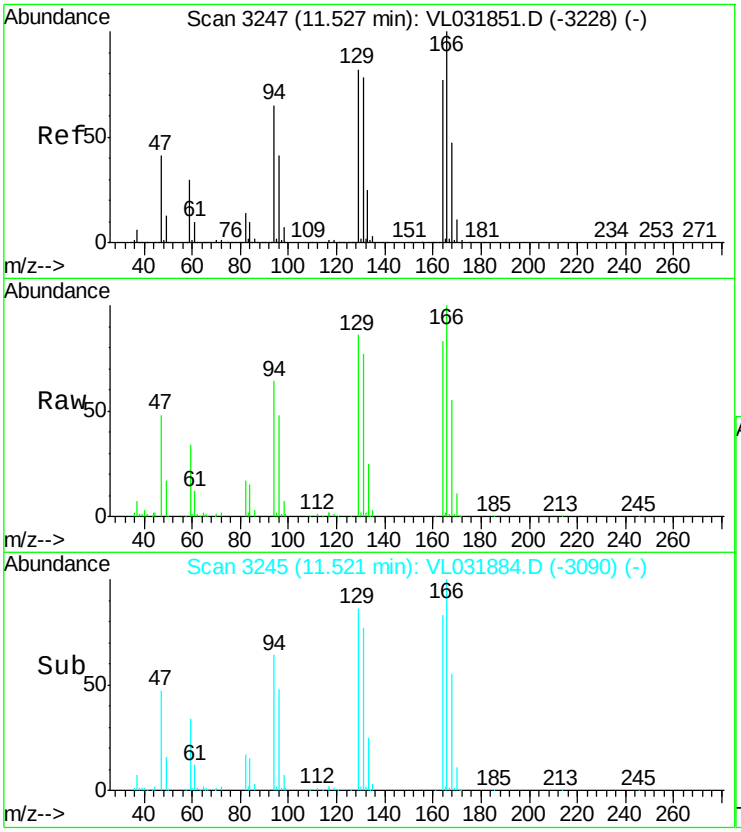


#51
2-Hexanone
Concen: 0.48 ppbv
RT: 10.43 min Scan# 2905
Delta R.T. 0.01 min
Lab File: VL031884.D
Acq: 19 Apr 2018 19:08

Tgt Ion: 43 Resp: 91707

Ion	Ratio	Lower	Upper
43	100		
58	0.0	38.5	57.7#
98	2.9	0.2	0.4#



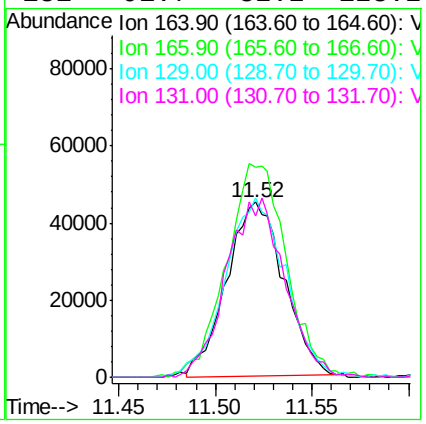


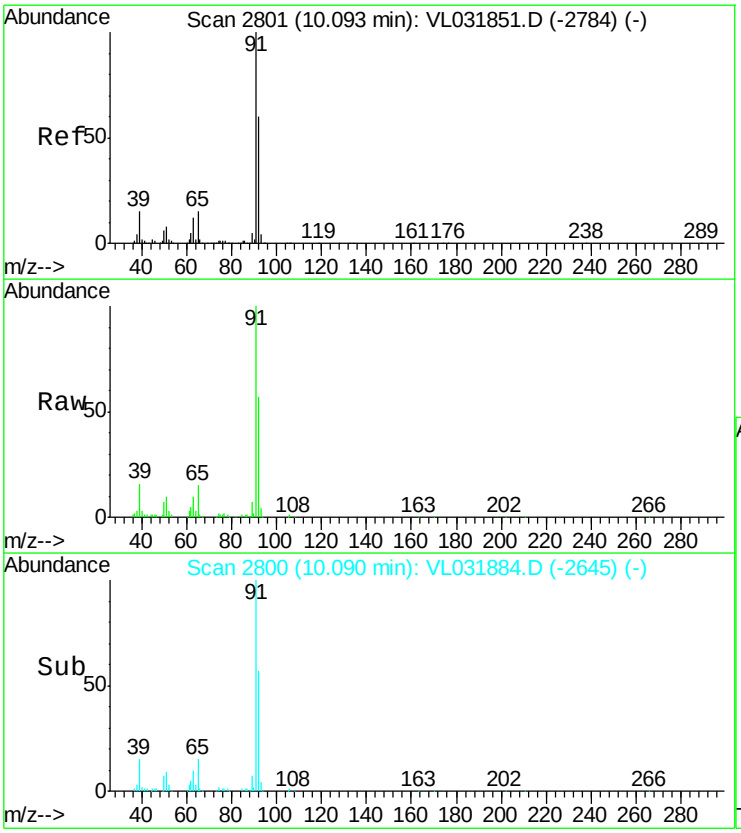
#52
Tetrachloroethene
Concen: 0.97 ppbv
RT: 11.52 min Scan# 3245
Delta R.T. -0.00 min
Lab File: VL031884.D
Acq: 19 Apr 2018 19:08

Instrument :
MSVOA_L
ClientSampleId :
LOQ-AIR-02-QT2-2018

Tgt Ion:164 Resp: 92823

Ion	Ratio	Lower	Upper
164	100		
166	117.8	98.2	147.4
129	102.7	86.5	129.7
131	91.7	82.2	123.2

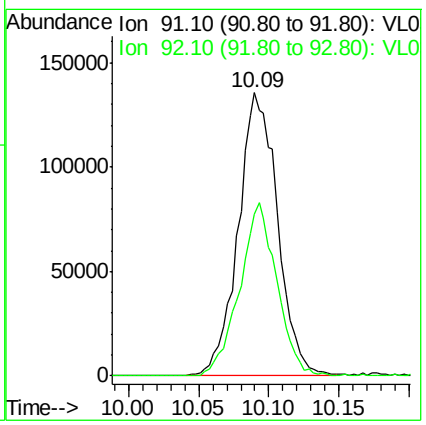


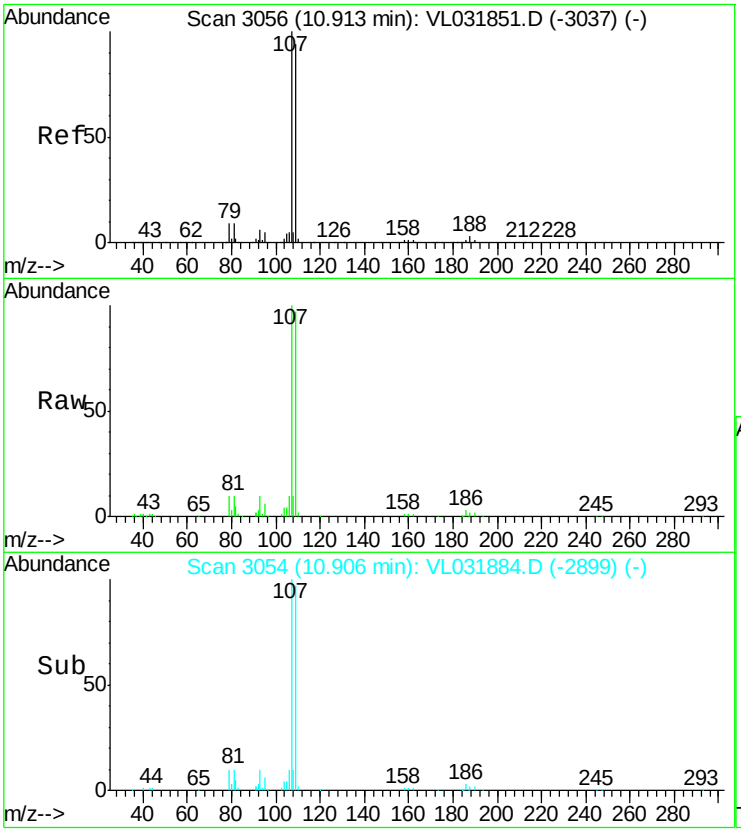


#53
Toluene
Concen: 0.97 ppbv
RT: 10.09 min Scan# 2800
Delta R.T. -0.00 min
Lab File: VL031884.D
Acq: 19 Apr 2018 19:08

Tgt Ion: 91 Resp: 264689

Ion	Ratio	Lower	Upper
91	100		
92	57.9	47.4	71.2



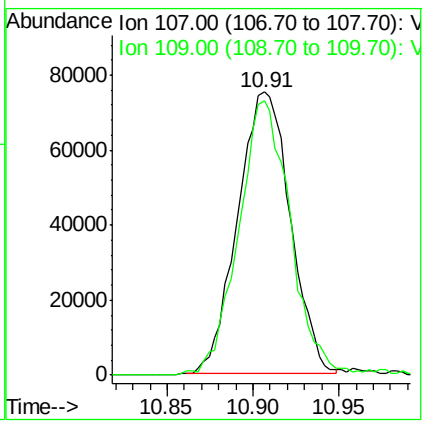


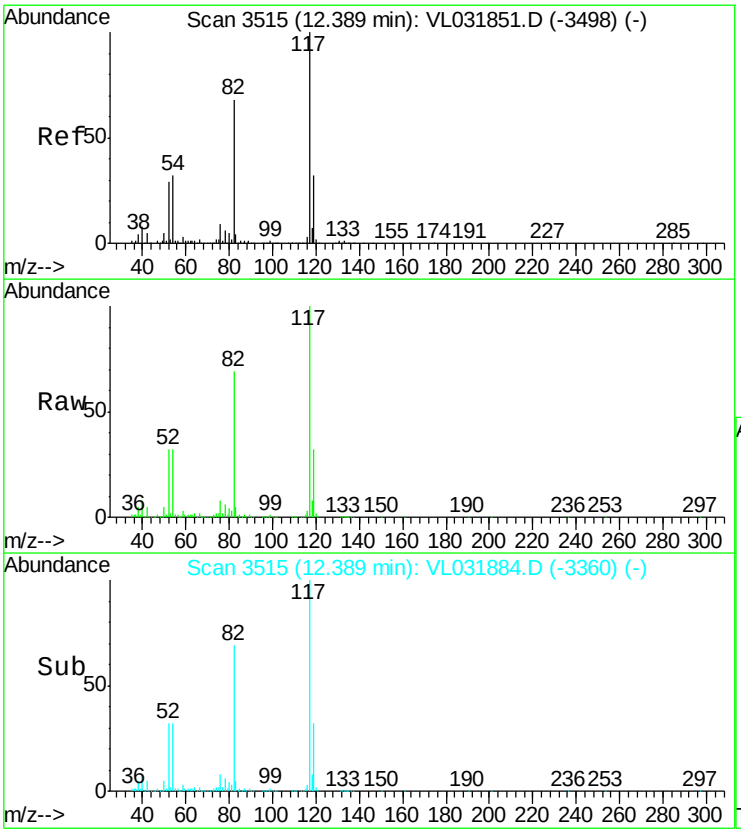
#54
1,2-Dibromoethane
Concen: 1.01 ppbv
RT: 10.91 min Scan# 3054
Delta R.T. -0.00 min
Lab File: VL031884.D
Acq: 19 Apr 2018 19:08

Instrument :
MSVOA_L
ClientSampleId :
LOQ-AIR-02-QT2-2018

Tgt Ion:107 Resp: 158996

Ion	Ratio	Lower	Upper
107	100		
109	96.1	74.6	112.0

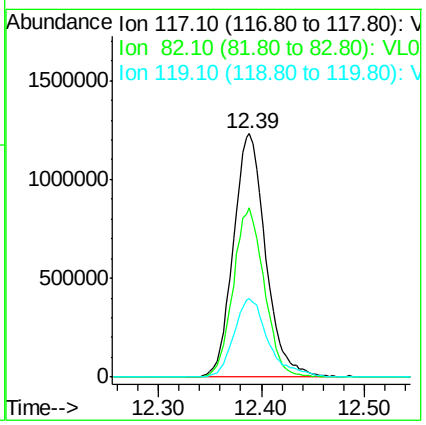


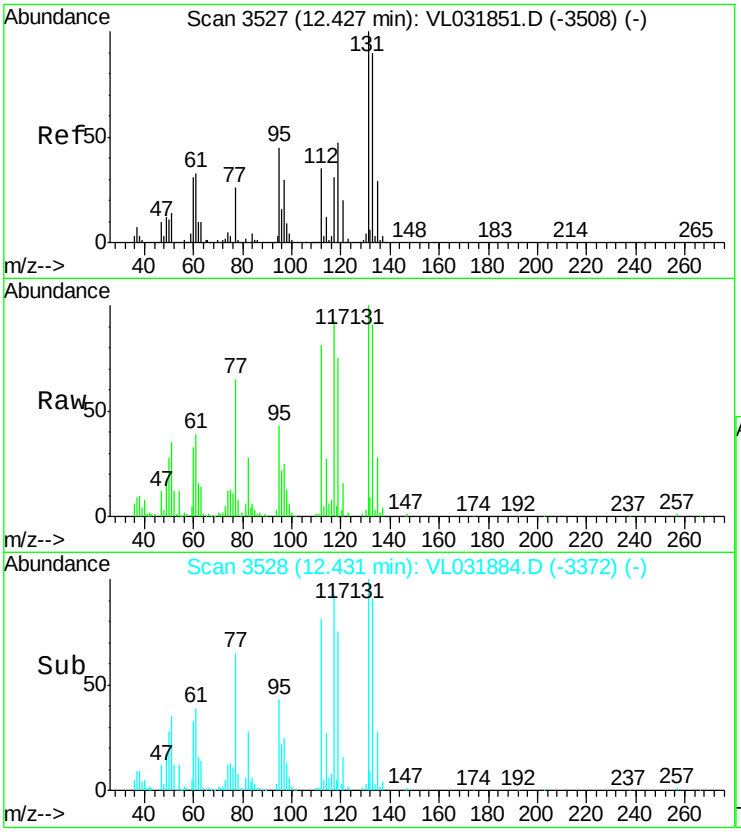


#55
Chlorobenzene-d5
Concen: 10.00 ppbv
RT: 12.39 min Scan# 3515
Delta R.T. -0.00 min
Lab File: VL031884.D
Acq: 19 Apr 2018 19:08

Tgt Ion:117 Resp: 2679570

Ion	Ratio	Lower	Upper
117	100		
82	67.1	54.6	81.8
119	34.4	26.0	39.0



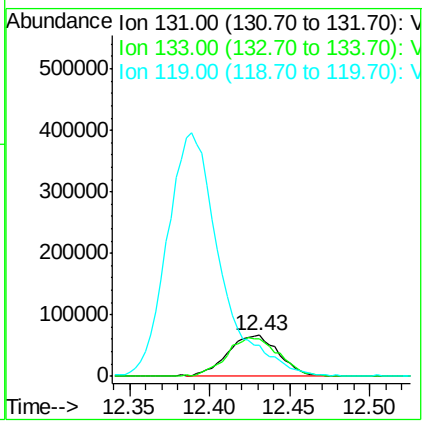


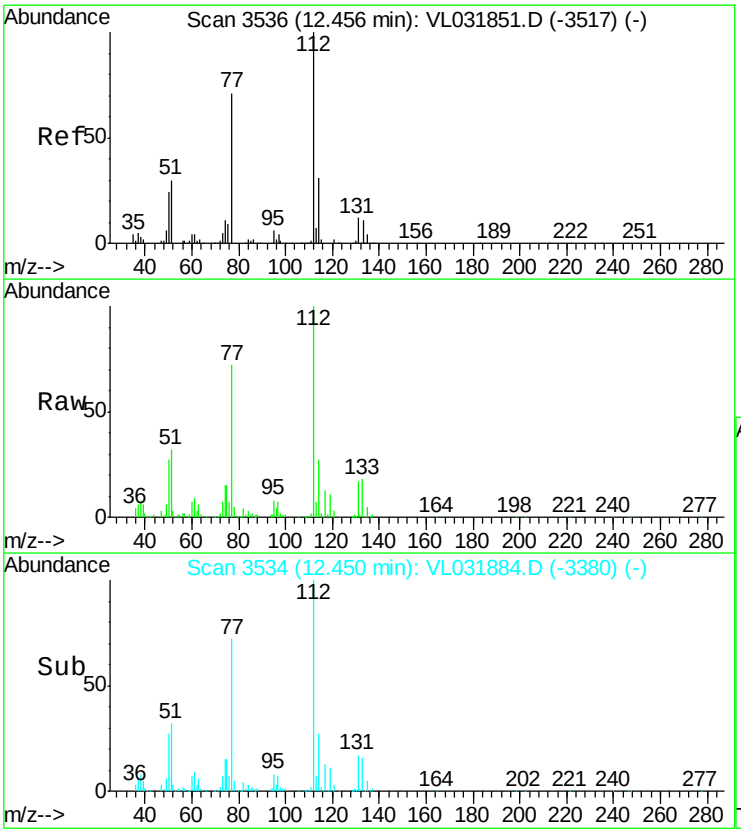
#56
1,1,1,2-Tetrachloroethane
Concen: 1.15 ppbv
RT: 12.43 min Scan# 3528
Delta R.T. 0.00 min
Lab File: VL031884.D
Acq: 19 Apr 2018 19:08

Instrument :
MSVOA_L
ClientSampleId :
LOQ-AIR-02-QT2-2018

Tgt Ion:131 Resp: 145204

Ion	Ratio	Lower	Upper
131	100		
133	98.1	76.1	114.1
119	635.2	106.3	159.5#

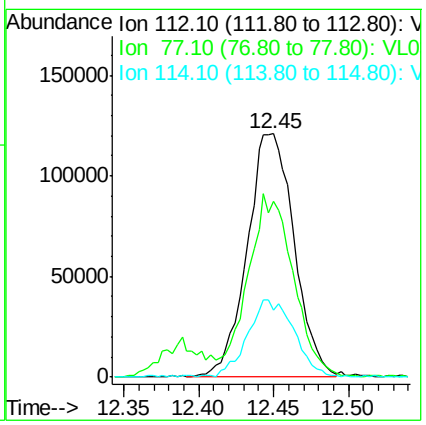


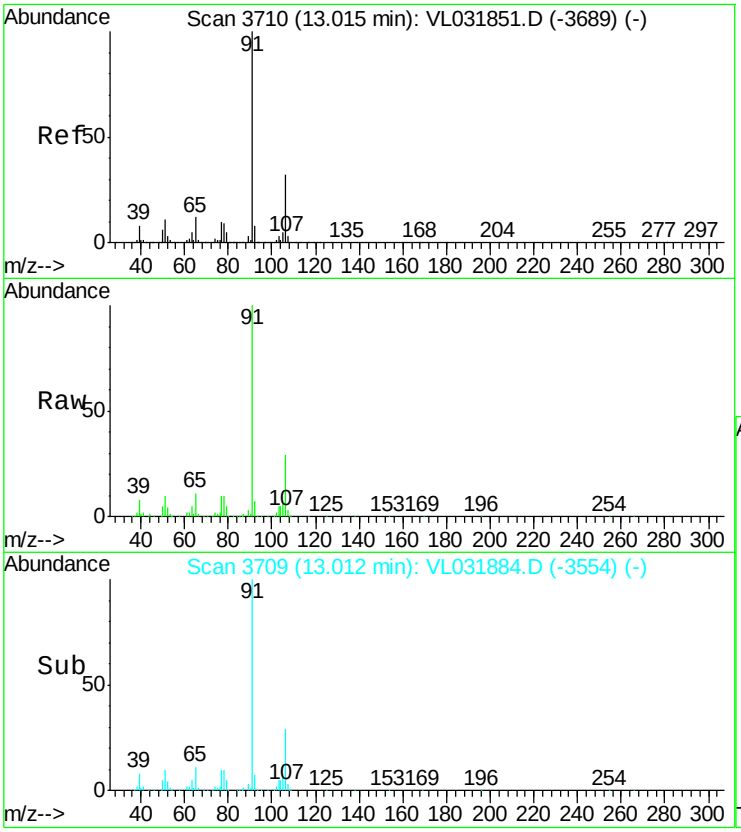


#57
Chlorobenzene
Concen: 1.15 ppbv
RT: 12.45 min Scan# 3534
Delta R.T. -0.01 min
Lab File: VL031884.D
Acq: 19 Apr 2018 19:08

Tgt Ion:112 Resp: 262393

Ion	Ratio	Lower	Upper
112	100		
77	70.8	57.0	85.6
114	26.8	28.5	34.9#



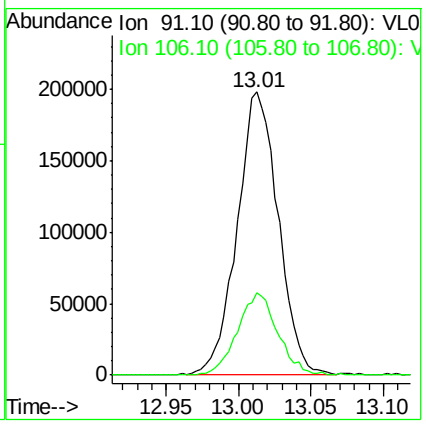


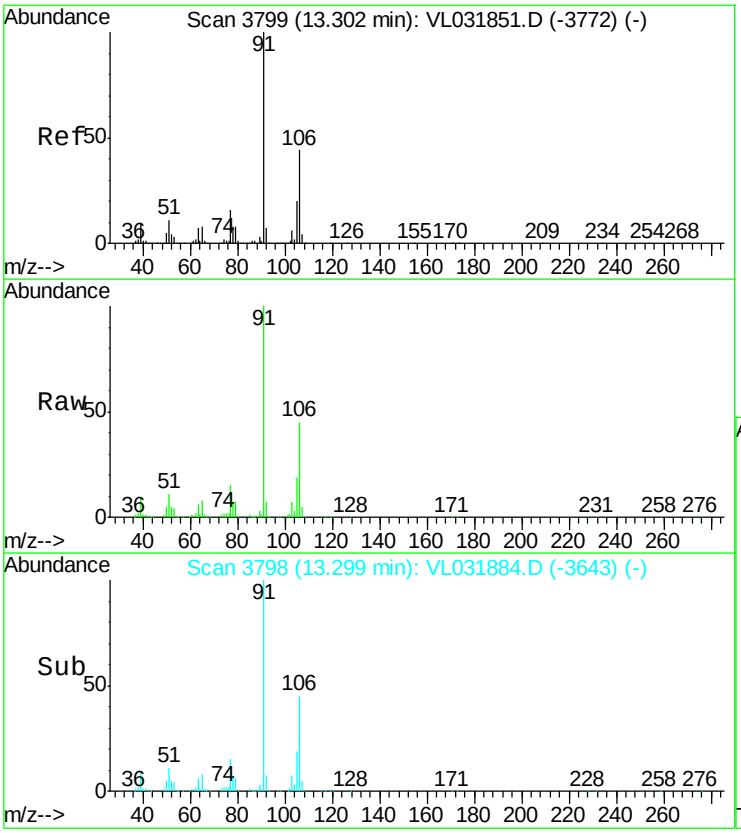
#58
Ethyl Benzene
Concen: 1.04 ppbv
RT: 13.01 min Scan# 3709
Delta R.T. -0.00 min
Lab File: VL031884.D
Acq: 19 Apr 2018 19:08

Instrument :
MSVOA_L
ClientSampleId :
LOQ-AIR-02-QT2-2018

Tgt Ion: 91 Resp: 387945

Ion	Ratio	Lower	Upper
91	100		
106	29.2	23.8	35.6

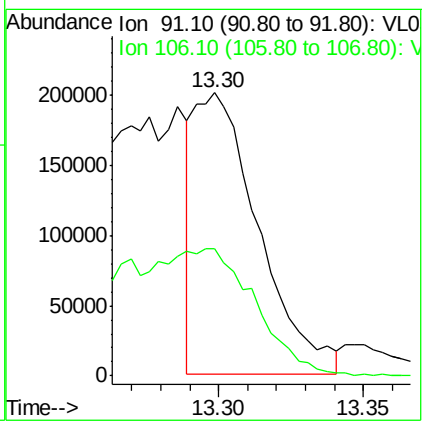


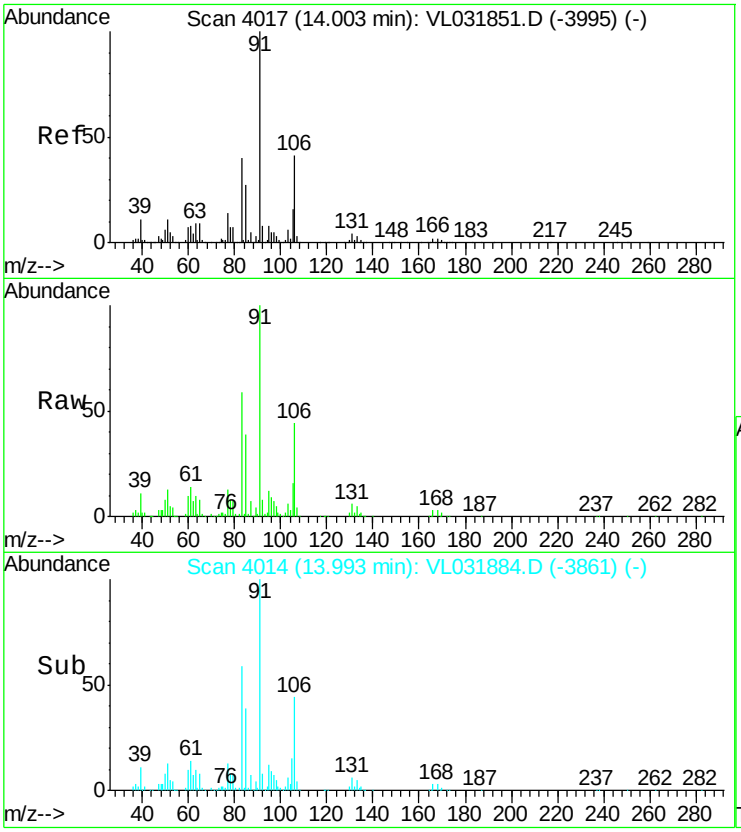


#59
m/p-Xylene
Concen: 0.95 ppbv
RT: 13.30 min Scan# 3798
Delta R.T. -0.00 min
Lab File: VL031884.D
Acq: 19 Apr 2018 19:08

Tgt Ion: 91 Resp: 306960

Ion	Ratio	Lower	Upper
91	100		
106	104.1	35.5	53.3#



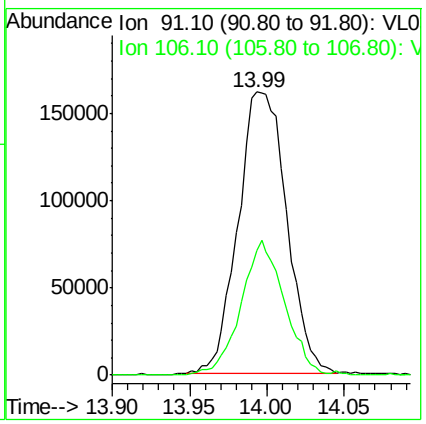


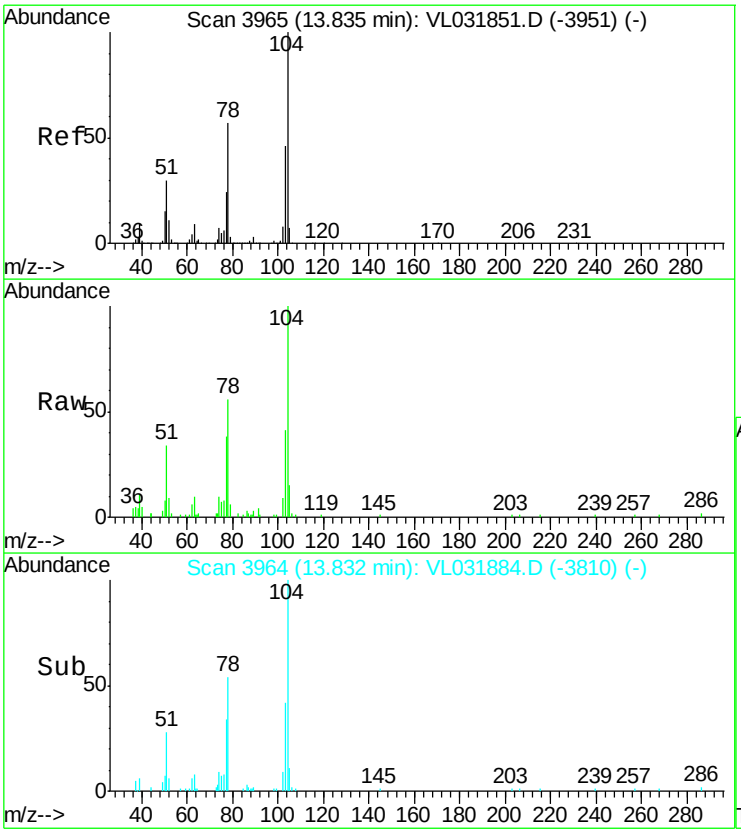
#60
o-Xylene
Concen: 1.09 ppbv
RT: 13.99 min Scan# 4014
Delta R.T. -0.01 min
Lab File: VL031884.D
Acq: 19 Apr 2018 19:08

Instrument :
MSVOA_L
ClientSampleId :
LOQ-AIR-02-QT2-2018

Tgt Ion: 91 Resp: 352348

Ion	Ratio	Lower	Upper
91	100		
106	43.5	21.3	63.9

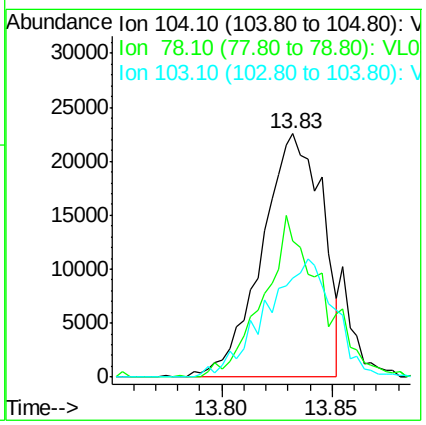


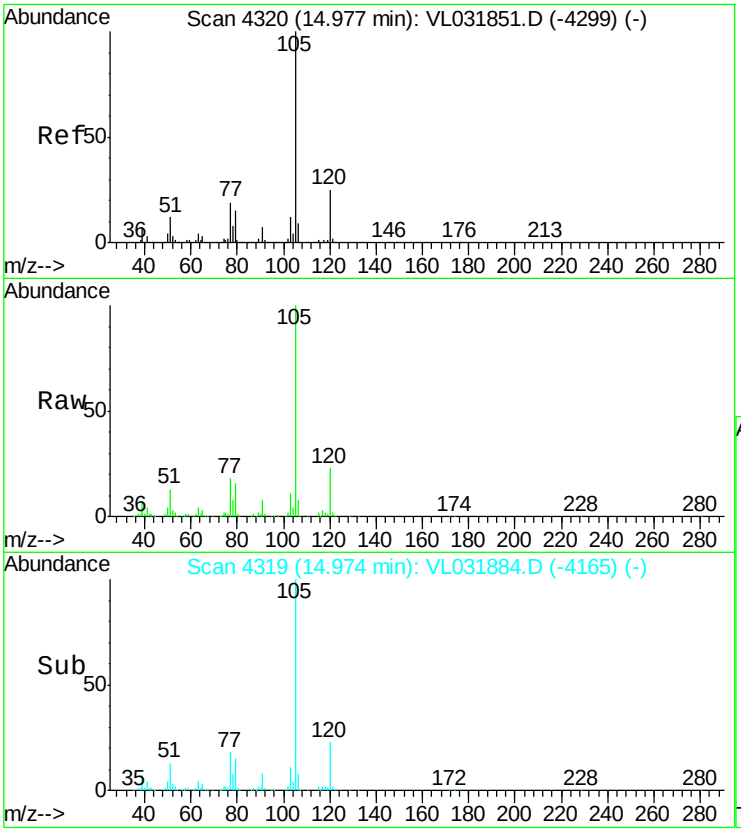


#61
Styrene
Concen: 0.70 ppbv
RT: 13.83 min Scan# 3964
Delta R.T. -0.01 min
Lab File: VL031884.D
Acq: 19 Apr 2018 19:08

Tgt Ion:104 Resp: 42941

Ion	Ratio	Lower	Upper
104	100		
78	64.7	44.4	66.6
103	54.8	37.9	56.9



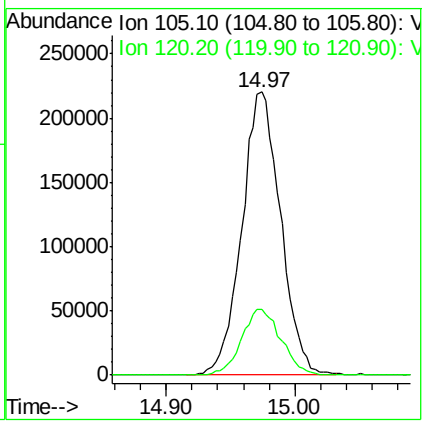


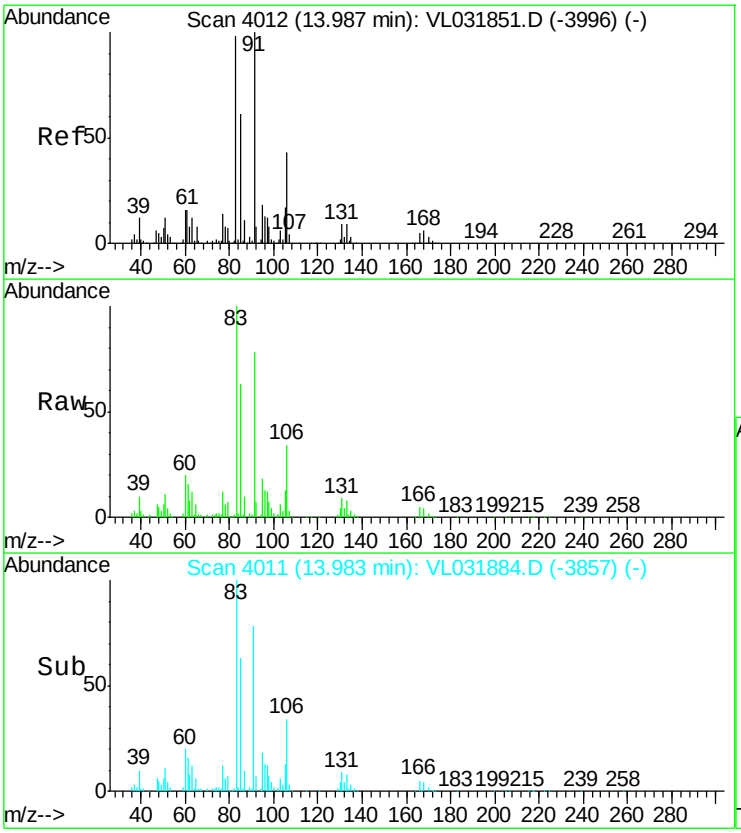
#62
Isopropylbenzene
Concen: 1.11 ppbv
RT: 14.97 min Scan# 4319
Delta R.T. -0.01 min
Lab File: VL031884.D
Acq: 19 Apr 2018 19:08

Instrument :
MSVOA_L
ClientSampleId :
LOQ-AIR-02-QT2-2018

Tgt Ion:105 Resp: 459718

Ion	Ratio	Lower	Upper
105	100		
120	23.9	19.4	29.2

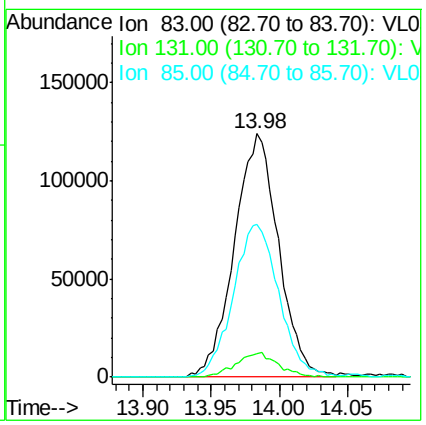


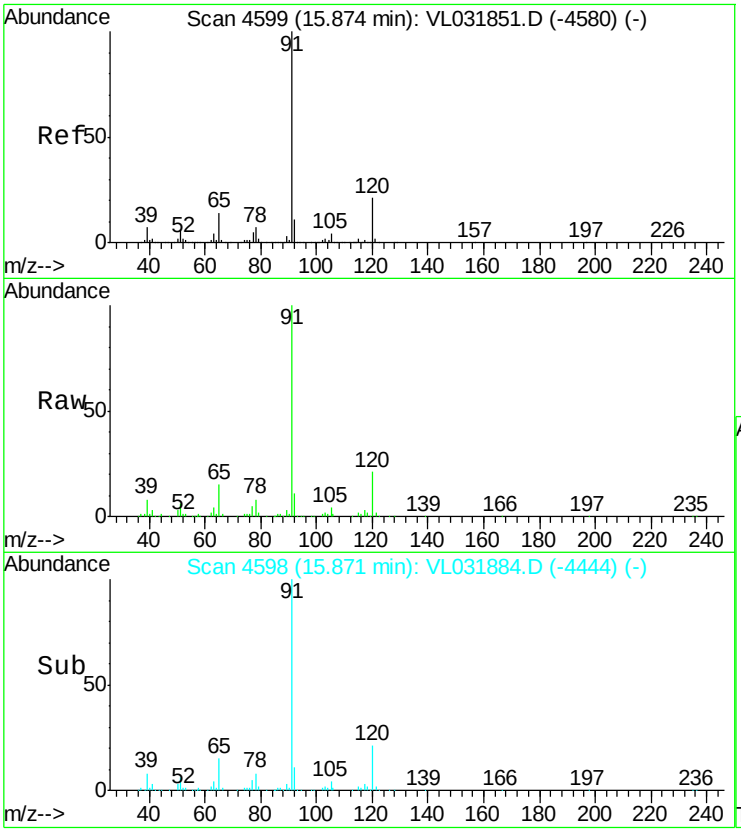


#63
1,1,2,2-Tetrachloroethane
Concen: 1.12 ppbv
RT: 13.98 min Scan# 4011
Delta R.T. -0.01 min
Lab File: VL031884.D
Acq: 19 Apr 2018 19:08

Tgt Ion: 83 Resp: 278768

Ion	Ratio	Lower	Upper
83	100		
131	9.7	4.9	14.6
85	65.7	32.2	96.6



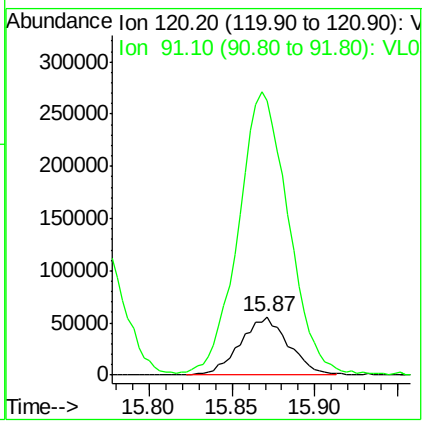


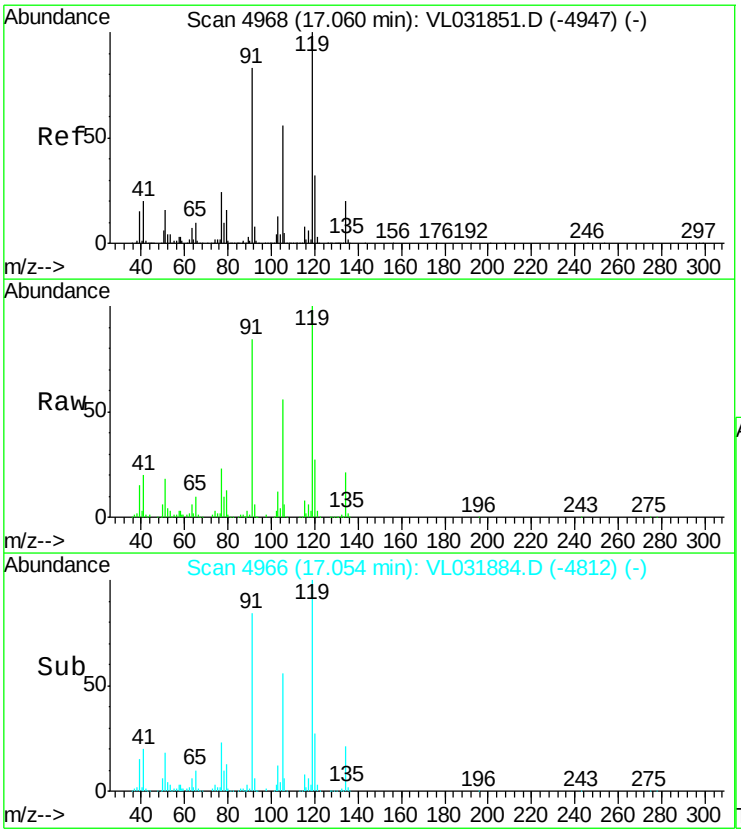
#64
n-propylbenzene
Concen: 1.11 ppbv
RT: 15.87 min Scan# 4598
Delta R.T. -0.01 min
Lab File: VL031884.D
Acq: 19 Apr 2018 19:08

Instrument :
MSVOA_L
ClientSampleId :
LOQ-AIR-02-QT2-2018

Tgt Ion:120 Resp: 112275

Ion	Ratio	Lower	Upper
120	100		
91	506.2	393.7	590.5

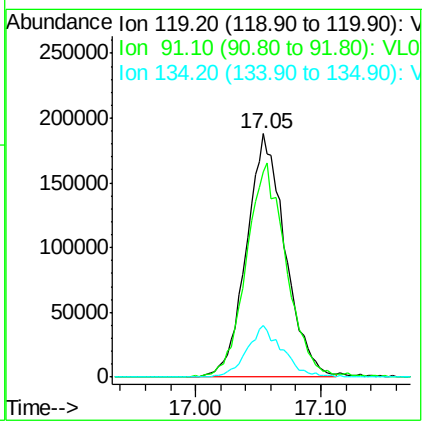


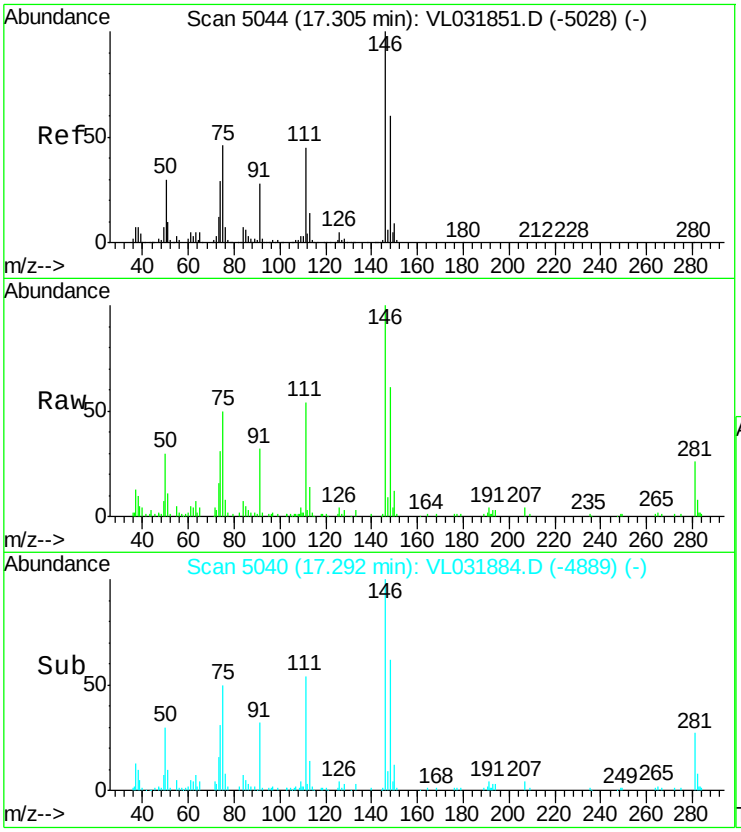


#65
tert-Butylbenzene
Concen: 1.13 ppbv
RT: 17.05 min Scan# 4966
Delta R.T. -0.01 min
Lab File: VL031884.D
Acq: 19 Apr 2018 19:08

Tgt Ion:119 Resp: 402572

Ion	Ratio	Lower	Upper
119	100		
91	91.4	69.4	104.0
134	19.8	15.4	23.2



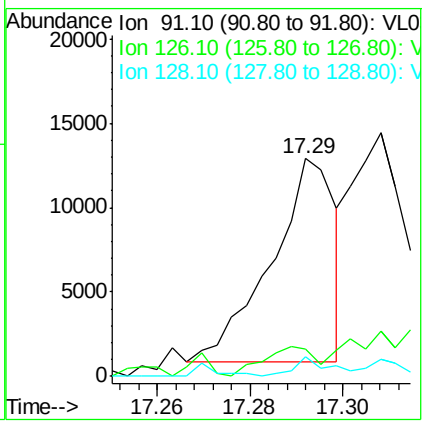


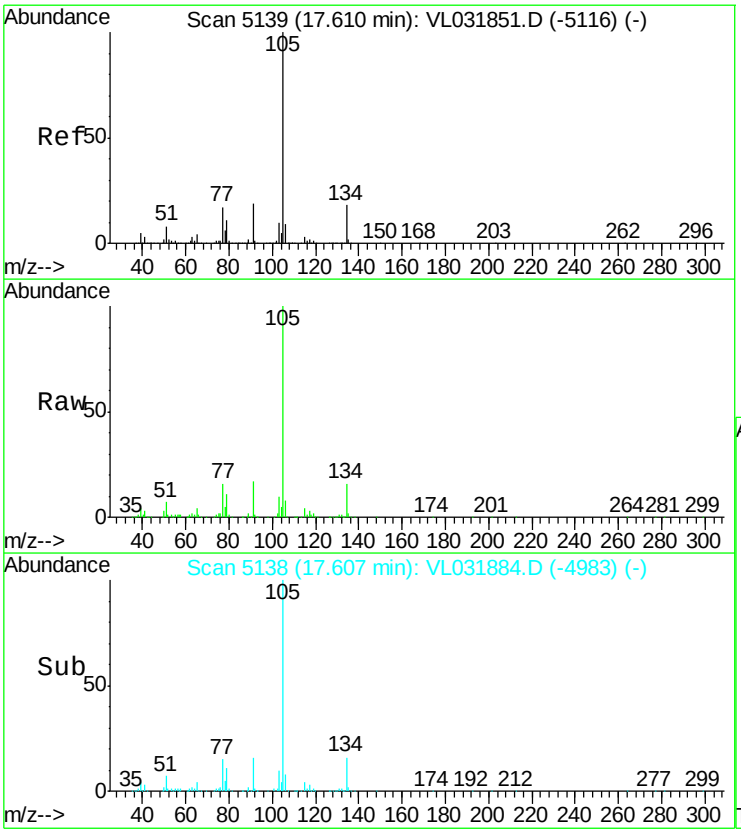
#66
Benzyl Chloride
Concen: 0.36 ppbv
RT: 17.29 min Scan# 5040
Delta R.T. -0.02 min
Lab File: VL031884.D
Acq: 19 Apr 2018 19:08

Instrument :
MSVOA_L
ClientSampleId :
LOQ-AIR-02-QT2-2018

Tgt Ion: 91 Resp: 11531

Ion	Ratio	Lower	Upper
91	100		
126	0.0	12.6	19.0#
128	17.0	4.0	6.0#

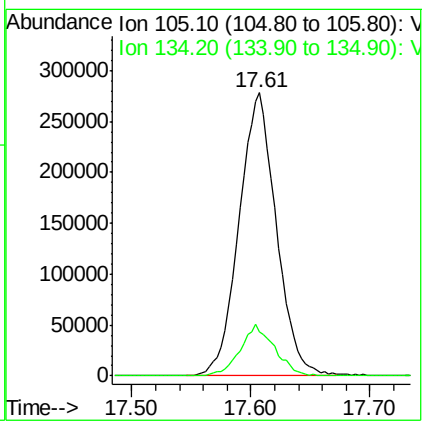


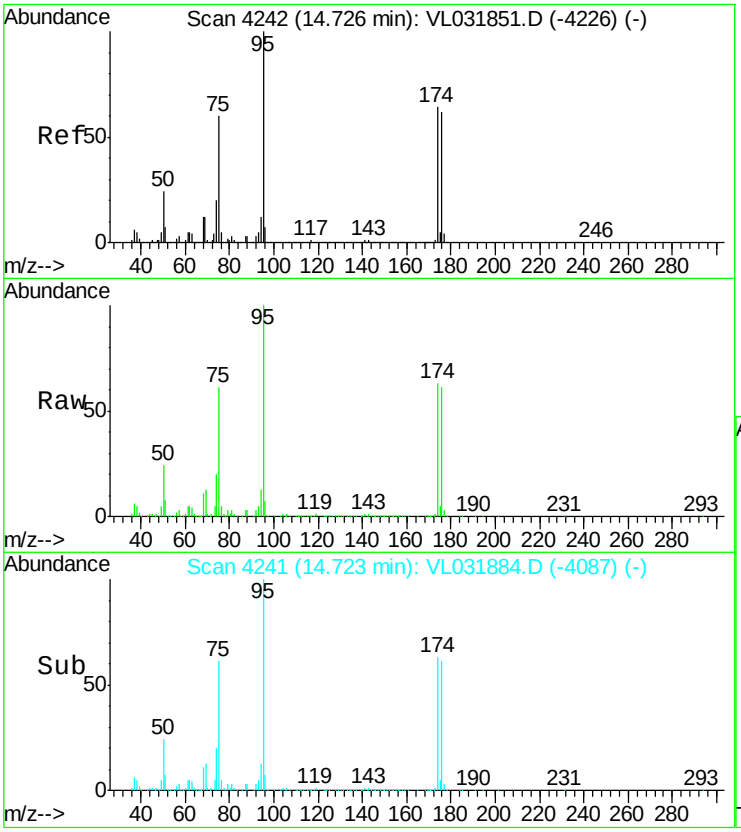


#67
sec-Butylbenzene
Concen: 1.17 ppbv
RT: 17.61 min Scan# 5138
Delta R.T. -0.00 min
Lab File: VL031884.D
Acq: 19 Apr 2018 19:08

Tgt Ion:105 Resp: 602920

Ion	Ratio	Lower	Upper
105	100		
134	16.9	14.2	21.2



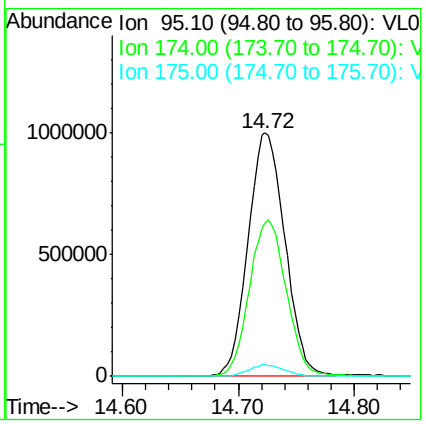


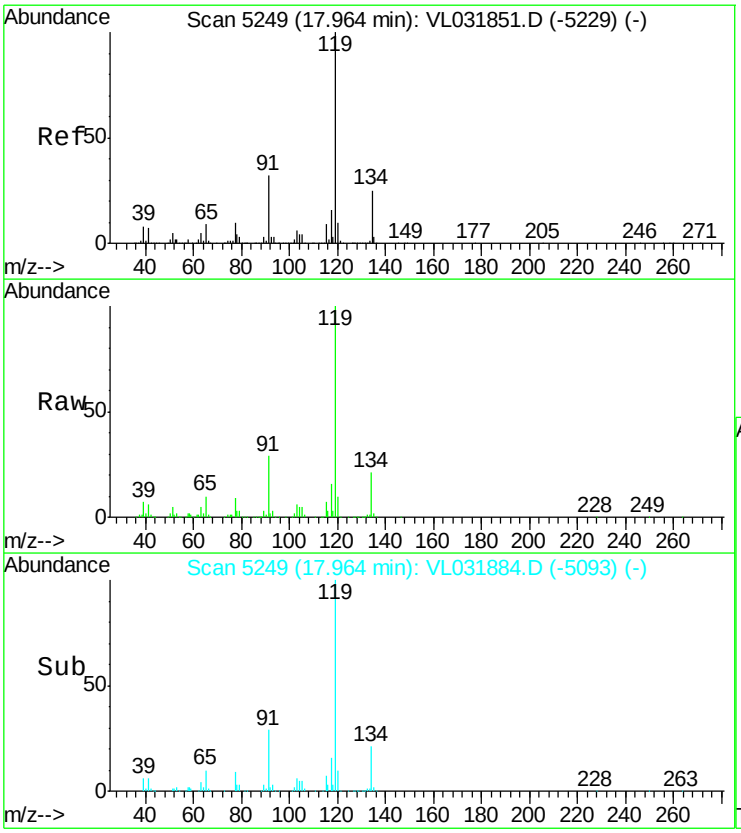
#68
1-Bromo-4-Fluorobenzene
Concen: 10.27 ppbv
RT: 14.72 min Scan# 4241
Delta R.T. -0.01 min
Lab File: VL031884.D
Acq: 19 Apr 2018 19:08

Instrument :
MSVOA_L
ClientSampleId :
LOQ-AIR-02-QT2-2018

Tgt Ion: 95 Resp: 2211823

Ion	Ratio	Lower	Upper
95	100		
174	65.0	52.3	78.5
175	4.7	3.9	5.9

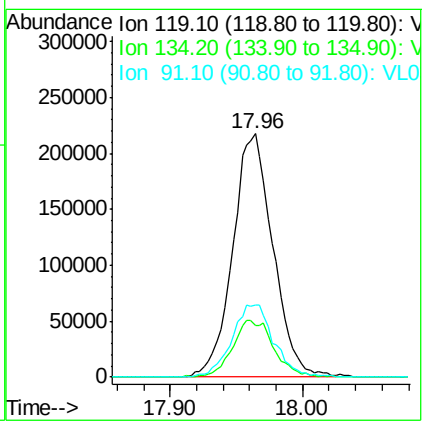


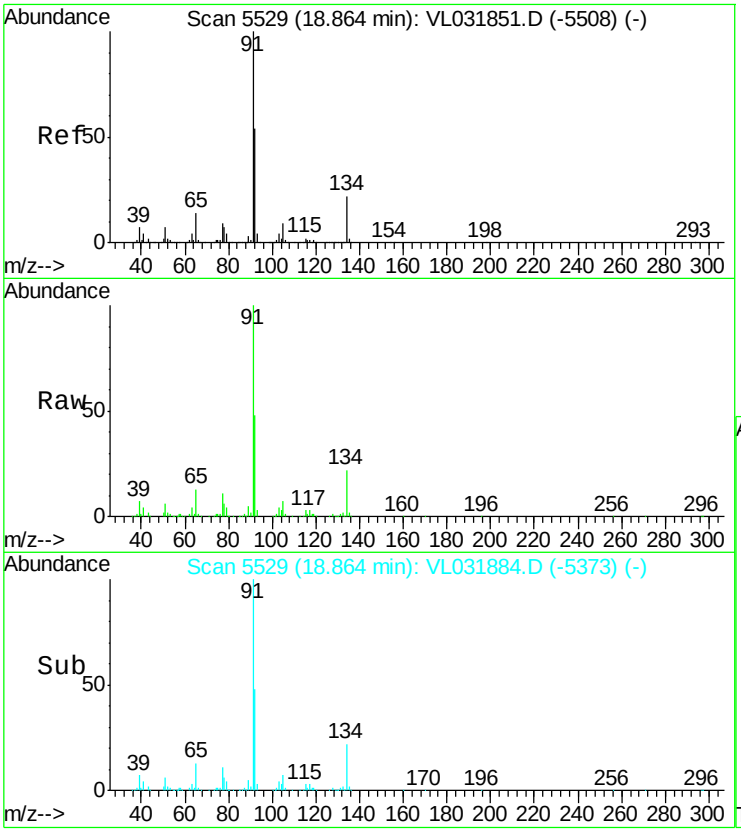


#69
p-Isopropyltoluene
Concen: 1.14 ppbv
RT: 17.96 min Scan# 5249
Delta R.T. 0.00 min
Lab File: VL031884.D
Acq: 19 Apr 2018 19:08

Tgt Ion:119 Resp: 453216

Ion	Ratio	Lower	Upper
119	100		
134	24.3	20.0	30.0
91	31.6	24.9	37.3



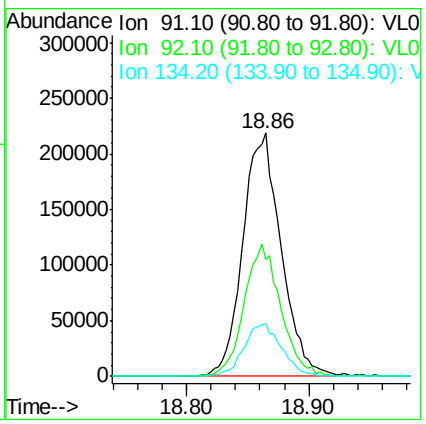


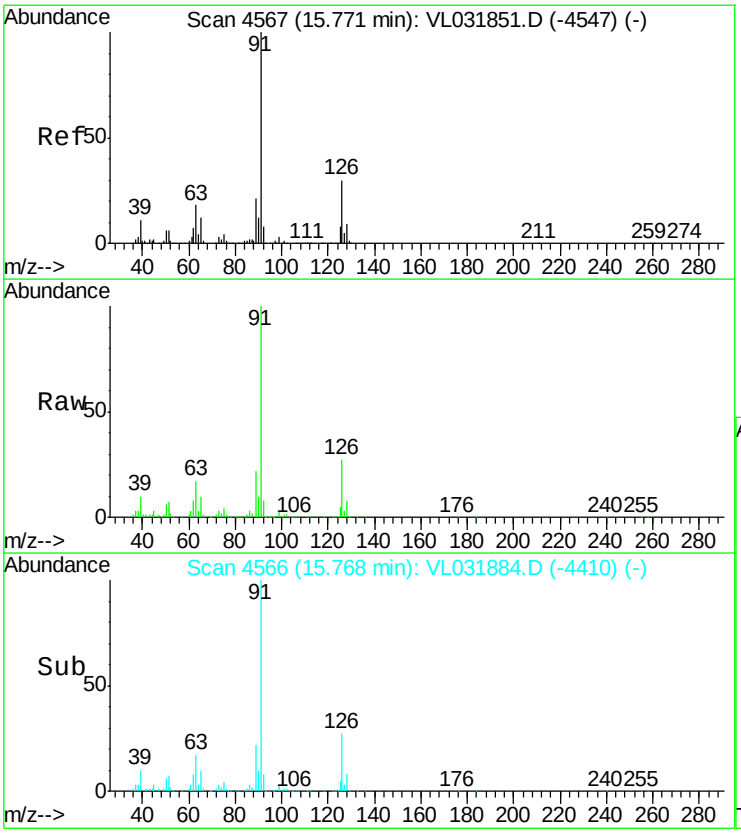
#70
n-Butylbenzene
Concen: 1.14 ppbv
RT: 18.86 min Scan# 5529
Delta R.T. 0.00 min
Lab File: VL031884.D
Acq: 19 Apr 2018 19:08

Instrument :
MSVOA_L
ClientSampleId :
LOQ-AIR-02-QT2-2018

Tgt Ion: 91 Resp: 473175

Ion	Ratio	Lower	Upper
91	100		
92	51.8	42.2	63.4
134	21.5	17.4	26.0

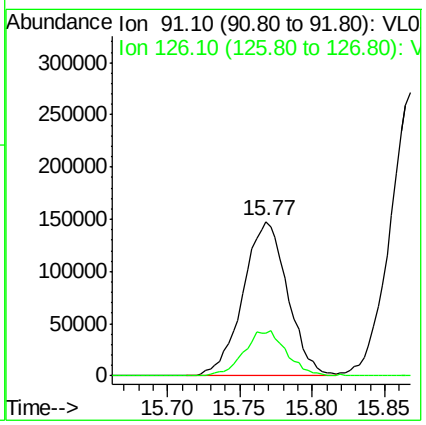


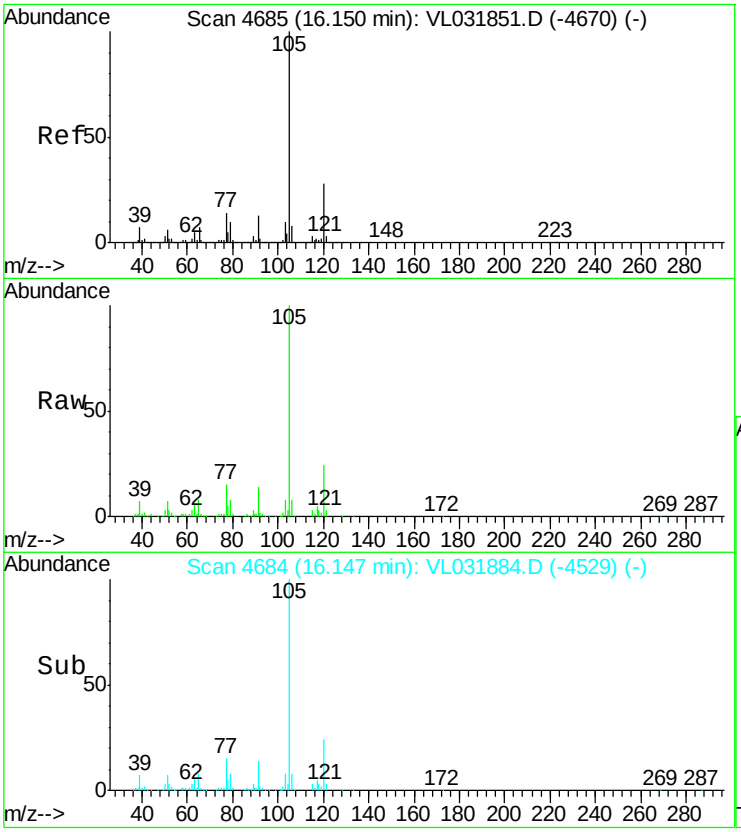


#71
2-Chlorotoluene
Concen: 1.06 ppbv
RT: 15.77 min Scan# 4566
Delta R.T. 0.00 min
Lab File: VL031884.D
Acq: 19 Apr 2018 19:08

Tgt Ion: 91 Resp: 316873

Ion	Ratio	Lower	Upper
91	100		
126	28.3	11.6	46.2



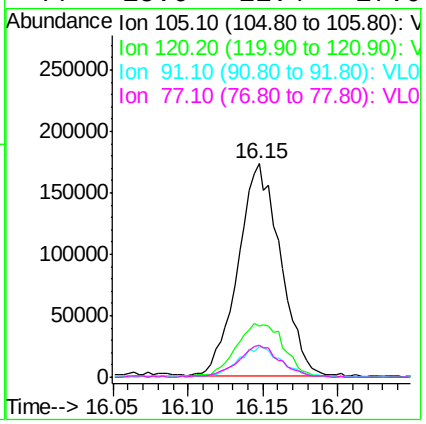


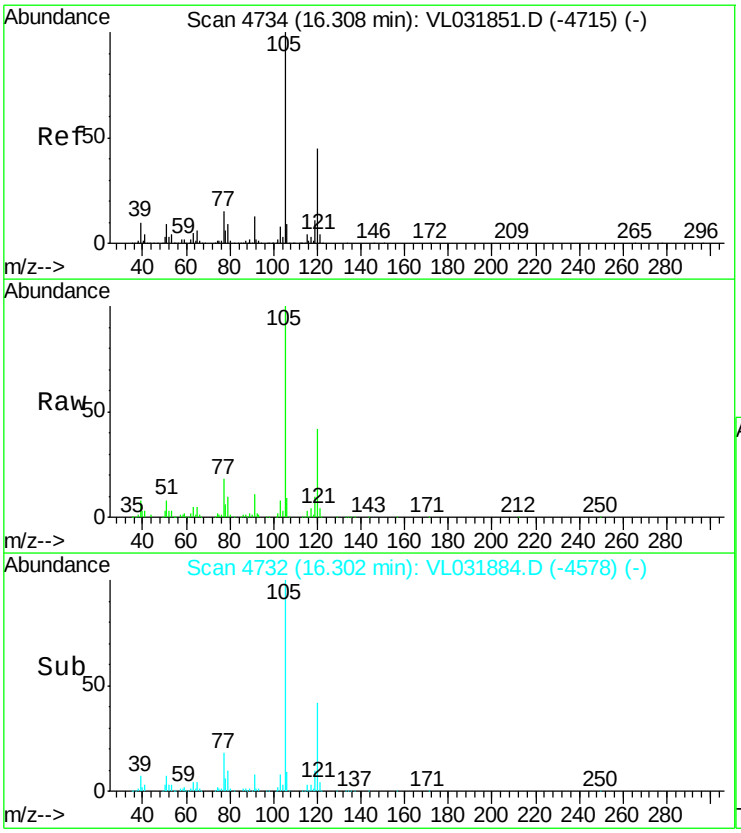
#72
4-Ethyltoluene
Concen: 1.02 ppbv
RT: 16.15 min Scan# 4684
Delta R.T. -0.00 min
Lab File: VL031884.D
Acq: 19 Apr 2018 19:08

Instrument :
MSVOA_L
ClientSampleId :
LOQ-AIR-02-QT2-2018

Tgt Ion:105 Resp: 337894

Ion	Ratio	Lower	Upper
105	100		
120	29.3	22.7	34.1
91	14.8	10.6	16.0
77	15.6	11.4	17.0

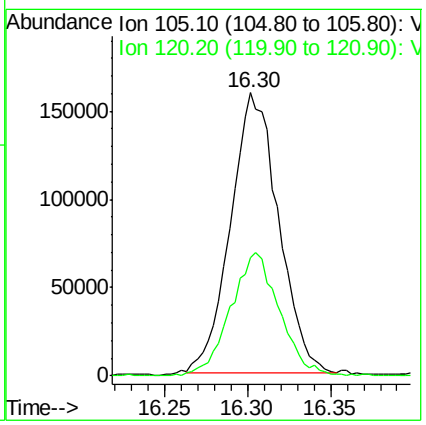


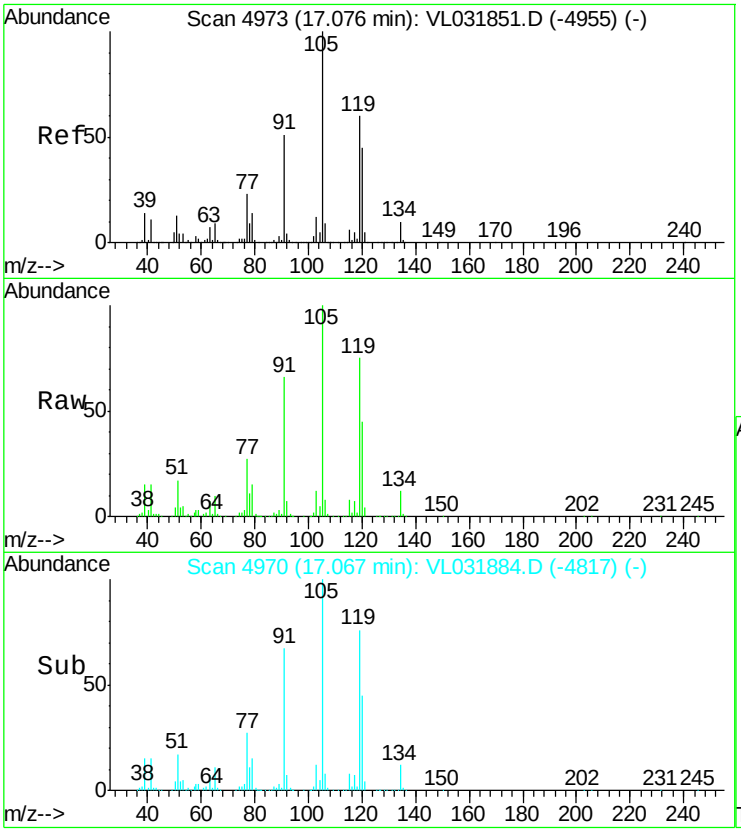


#73
1,3,5-Trimethylbenzene
Concen: 1.05 ppbv
RT: 16.30 min Scan# 4732
Delta R.T. -0.01 min
Lab File: VL031884.D
Acq: 19 Apr 2018 19:08

Tgt Ion:105 Resp: 318345

Ion	Ratio	Lower	Upper
105	100		
120	41.8	35.3	52.9



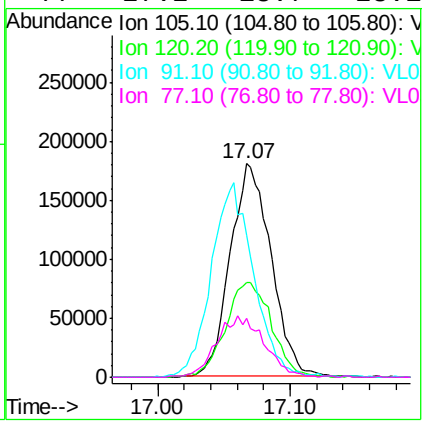


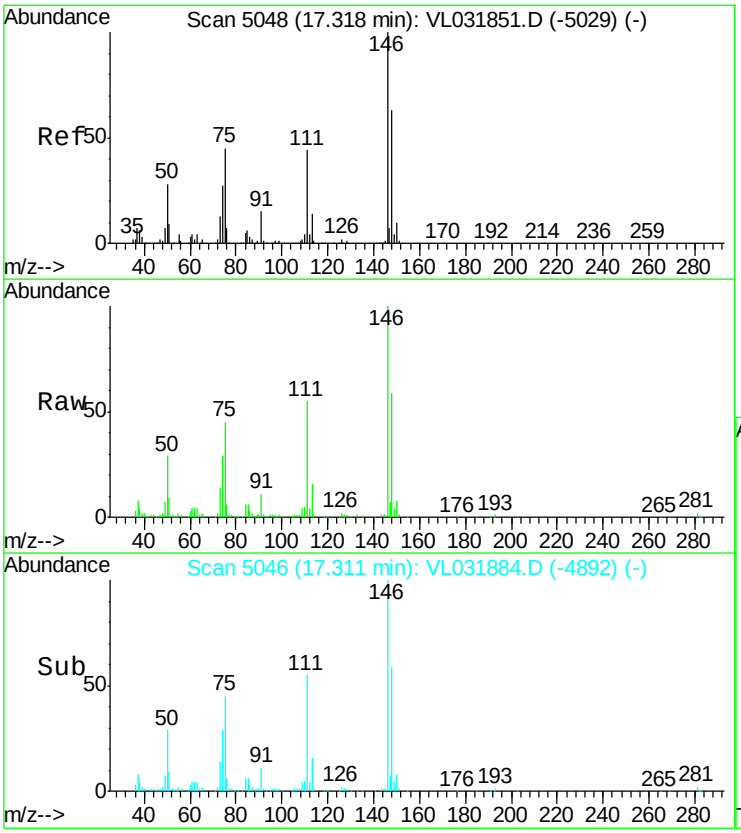
#74
1,2,4-Trimethylbenzene
Concen: 1.14 ppbv
RT: 17.07 min Scan# 4970
Delta R.T. -0.01 min
Lab File: VL031884.D
Acq: 19 Apr 2018 19:08

Instrument :
MSVOA_L
ClientSampleId :
LOQ-AIR-02-QT2-2018

Tgt Ion:105 Resp: 384699

Ion	Ratio	Lower	Upper
105	100		
120	44.5	37.0	55.4
91	65.9	43.0	64.4#
77	27.2	18.7	28.1

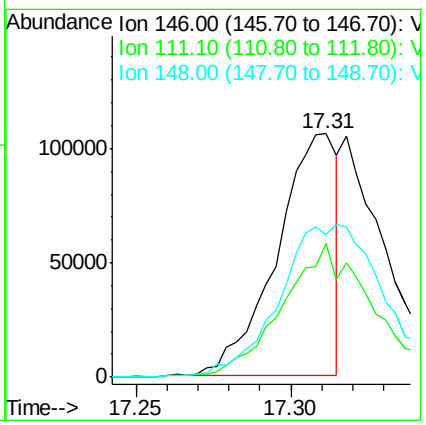


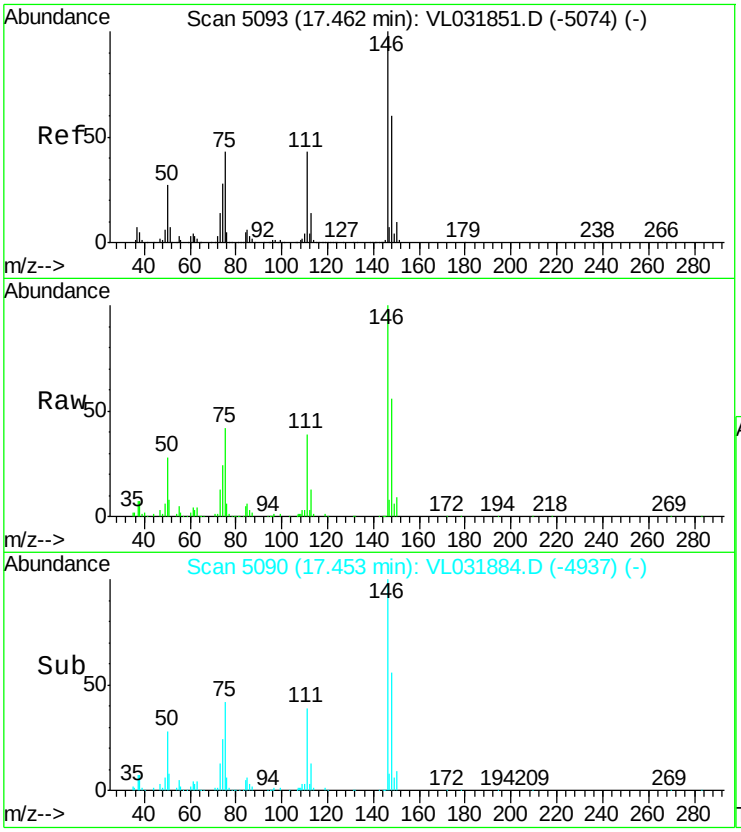


#75
1,3-Dichlorobenzene
Concen: 0.69 ppbv
RT: 17.31 min Scan# 5046
Delta R.T. -0.01 min
Lab File: VL031884.D
Acq: 19 Apr 2018 19:08

Tgt Ion:146 Resp: 142213

Ion	Ratio	Lower	Upper
146	100		
111	85.6	23.8	71.4#
148	0.0	32.0	96.2#



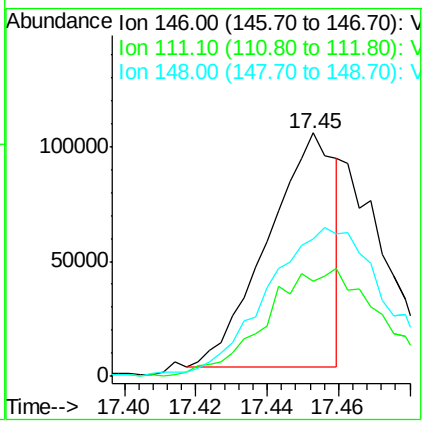


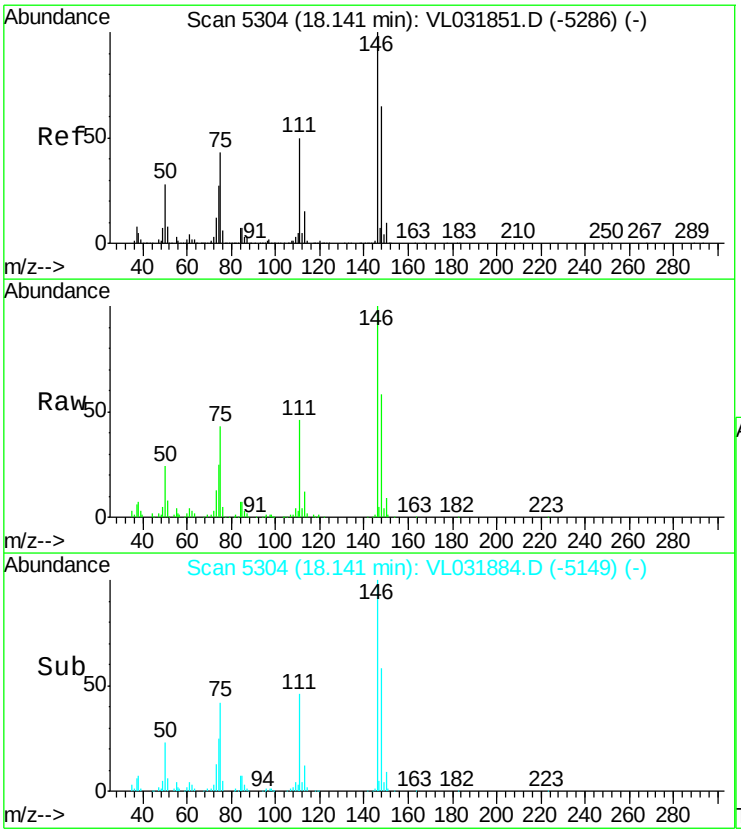
#76
1,4-Dichlorobenzene
Concen: 0.67 ppbv
RT: 17.45 min Scan# 5090
Delta R.T. -0.01 min
Lab File: VL031884.D
Acq: 19 Apr 2018 19:08

Instrument :
MSVOA_L
ClientSampleId :
LOQ-AIR-02-QT2-2018

Tgt Ion:146 Resp: 133544

Ion	Ratio	Lower	Upper
146	100		
111	81.0	22.9	68.7#
148	115.5	32.0	96.0#

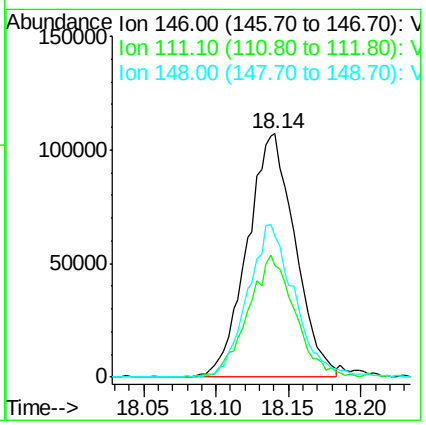


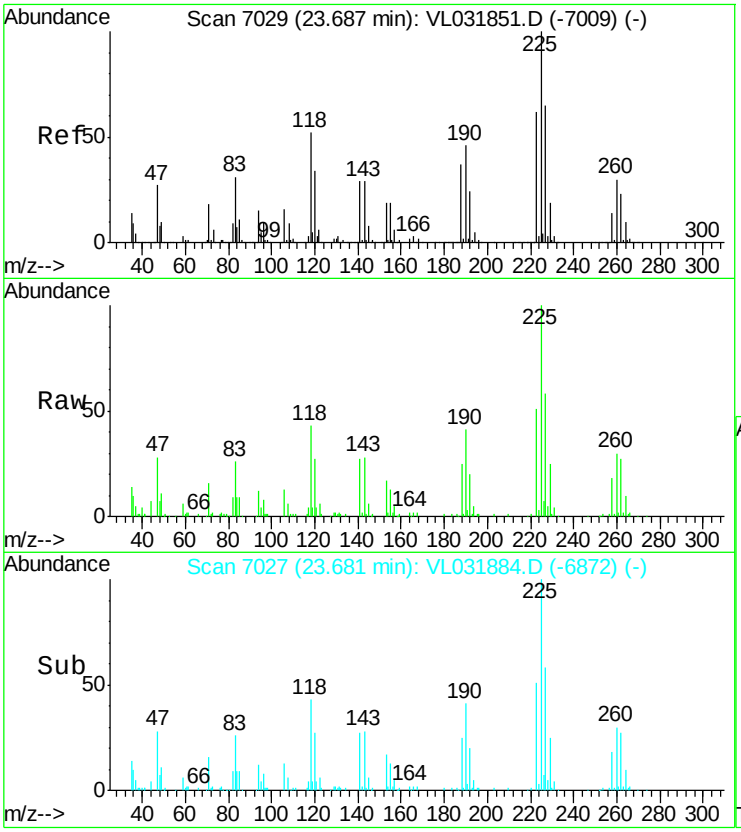


#77
1,2-Dichlorobenzene
Concen: 1.21 ppbv
RT: 18.14 min Scan# 5304
Delta R.T. -0.00 min
Lab File: VL031884.D
Acq: 19 Apr 2018 19:08

Tgt Ion:146 Resp: 245849

Ion	Ratio	Lower	Upper
146	100		
111	48.8	24.3	72.8
148	61.6	31.8	95.3



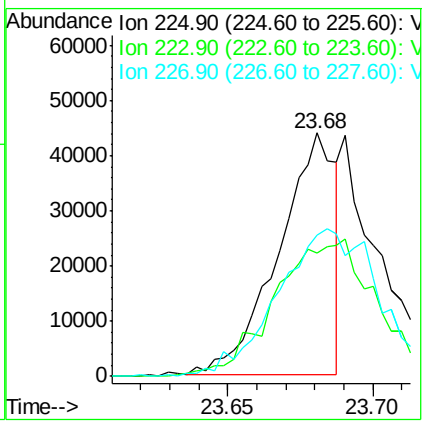


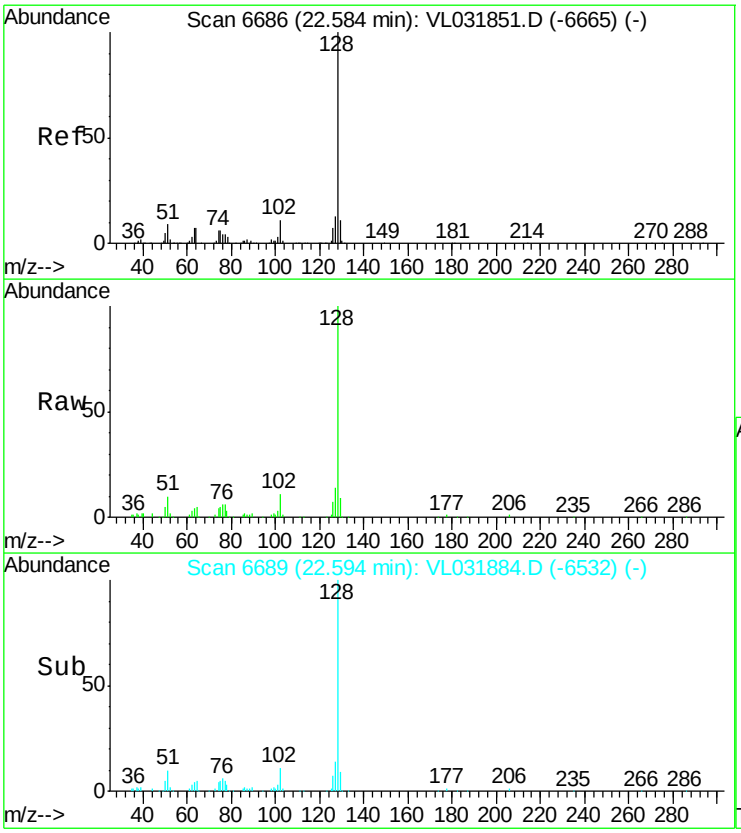
#78
Hexachloro-1,3-Butadiene
Concen: 0.76 ppbv
RT: 23.68 min Scan# 7027
Delta R.T. -0.00 min
Lab File: VL031884.D
Acq: 19 Apr 2018 19:08

Instrument :
MSVOA_L
ClientSampleId :
LOQ-AIR-02-QT2-2018

Tgt Ion:225 Resp: 59312

Ion	Ratio	Lower	Upper
225	100		
223	0.0	50.6	76.0#
227	110.0	52.2	78.4#

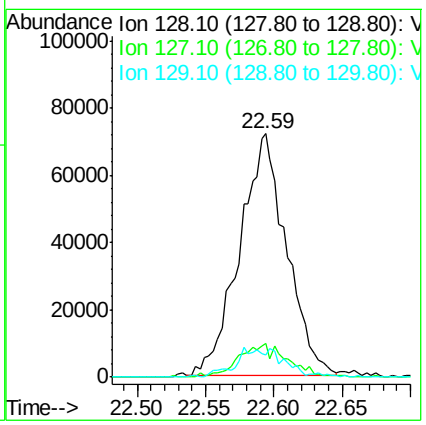


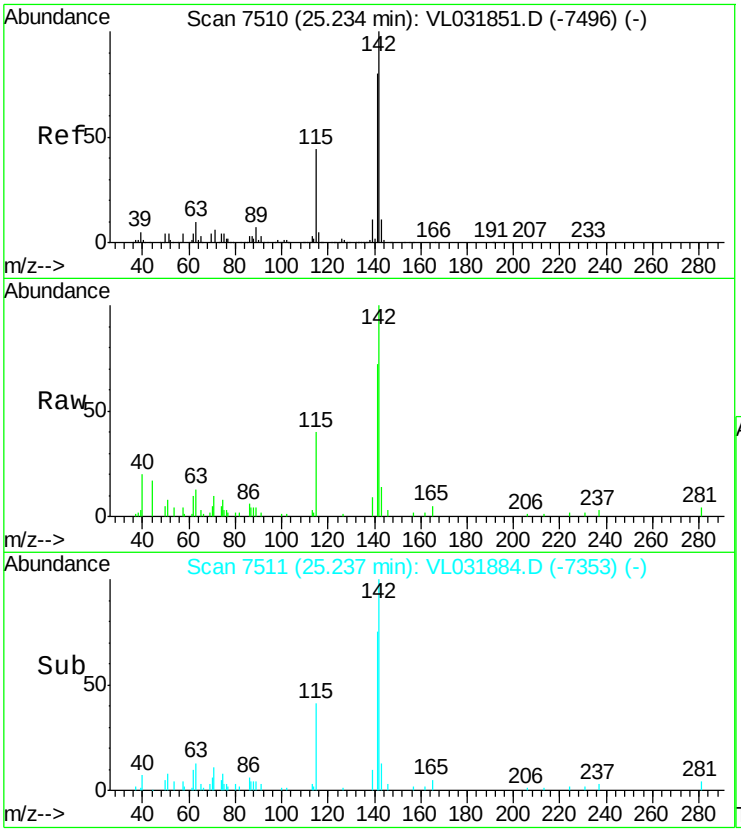


#79
Naphthalene
Concen: 0.90 ppbv
RT: 22.59 min Scan# 6689
Delta R.T. 0.00 min
Lab File: VL031884.D
Acq: 19 Apr 2018 19:08

Tgt Ion:128 Resp: 171610

Ion	Ratio	Lower	Upper
128	100		
127	13.7	10.2	15.4
129	9.4	9.4	14.2#



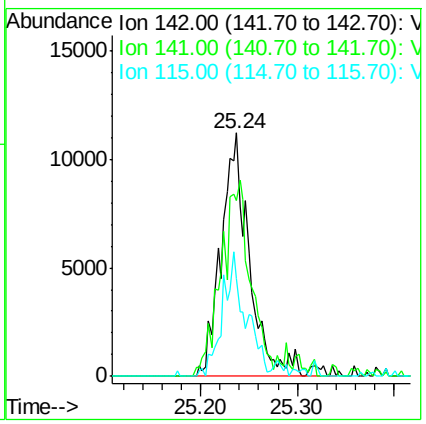


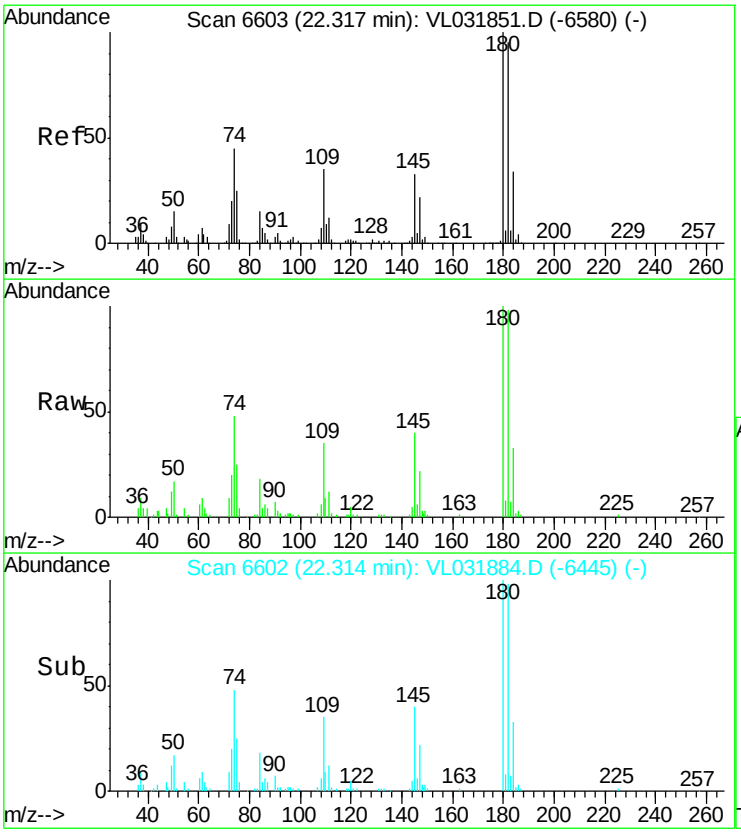
#80
Naphthalene,2-methyl-
Concen: 0.62 ppbv
RT: 25.24 min Scan# 7511
Delta R.T. 0.01 min
Lab File: VL031884.D
Acq: 19 Apr 2018 19:08

Instrument :
MSVOA_L
ClientSampleId :
LOQ-AIR-02-QT2-2018

Tgt Ion:142 Resp: 22818

Ion	Ratio	Lower	Upper
142	100		
141	90.9	67.0	100.4
115	45.0	35.3	52.9





#81
1,2,4-Trichlorobenzene
Concen: 0.61 ppbv
RT: 22.31 min Scan# 6602
Delta R.T. 0.00 min
Lab File: VL031884.D
Acq: 19 Apr 2018 19:08

Tgt Ion:180 Resp: 63745

Ion	Ratio	Lower	Upper
180	100		
182	167.5	76.3	114.5#
184	56.9	24.2	36.2#