Quantitation Report (Not Reviewed)

Data Path : W:\HPCHEM1\MSVOA_L\DATA\VL041918\
Data File : VL031885.D
Acq On : 19 Apr 2018 19:45
Operator : SY/AP
Sample : J2133-14 0.06 PPBV
Misc : 400ml/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

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

Quant Time: Apr 20 08:00:42 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	1190194	10.00	ppbv		0.00
33) 1,4-Difluorobenzene	7.42	114	2736390	10.00	ppbv		0.00
55) Chlorobenzene-d5	12.39	117	2708289	10.00	ppbv		0.00
System Monitoring Compounds							
68) 1-Bromo-4-Fluorobenzene	14.73	95	2191563	10.06	ppbv		0.00
Spiked Amount 10.000	Range 65 - 135		Recovery = 100.60%				
Target Compounds							Qvalue
2) Dichlorodifluoromethane	3.17	85	19994	0.08	ppbv		99
3) Chlorodifluoromethane	3.11	51	12081	0.09	ppbv		96
4) Chloromethane	3.26	50	3446	0.05	ppbv	#	79
5) Vinyl Chloride	3.38	62	2708	0.03	ppbv		90
6) Bromomethane	3.61	94	1902	0.04	ppbv	#	60
8) Dichlorotetrafluoroethane	3.31	85	18085	0.09	ppbv		90
9) Propene	3.12	41	1448	0.03	ppbv	#	15
11) Trichlorofluoromethane	4.11	101	17629	0.07	ppbv	#	72
12) 1,1,2-Trichlorotrifluoroet	4.66	101	10480	0.07	ppbv	#	82
15) Acetone	4.03	43	25081	0.14	ppbv		91
16) 1,3-Butadiene	3.45	39	2505	0.04	ppbv	#	10
18) 1,1-Dichloroethene	4.46	96	2508	0.04	ppbv	#	41
20) Methylene Chloride	4.52	84	9969	0.15	ppbv		91
24) 1,1-Dichloroethane	5.21	63	7932	0.04	ppbv	#	94
25) Ethyl Acetate	5.91	43	11346	0.04	ppbv	#	70
26) Hexane	5.90	57	6026	0.05	ppbv	#	1
27) Carbon Disulfide	4.74	76	8252	0.05	ppbv	#	5
28) Methyl tert-Butyl Ether	5.26	73	8823	0.05	ppbv	#	90
31) cis-1,2-Dichloroethene	5.76	61	6843	0.06	ppbv	#	87
34) 2-Butanone	5.48	43	11921	0.06	ppbv	#	85
36) Benzene	7.14	78	8762	0.04	ppbv	#	87
38) Trichloroethene	8.11	130	6647	0.07	ppbv	#	68
39) 1,2-Dichloropropane	7.43	63	737319	8.06	ppbv	#	21
42) Bromodichloromethane	8.05	83	9941	0.05	ppbv	#	95
56) 1,1,1,2-Tetrachloroethane	12.43	131	4557	0.04	ppbv	#	1
57) Chlorobenzene	12.45	112	14781	0.06	ppbv	#	86
78) Hexachloro-1,3-Butadiene	23.67	225	3086	0.04	ppbv	#	1

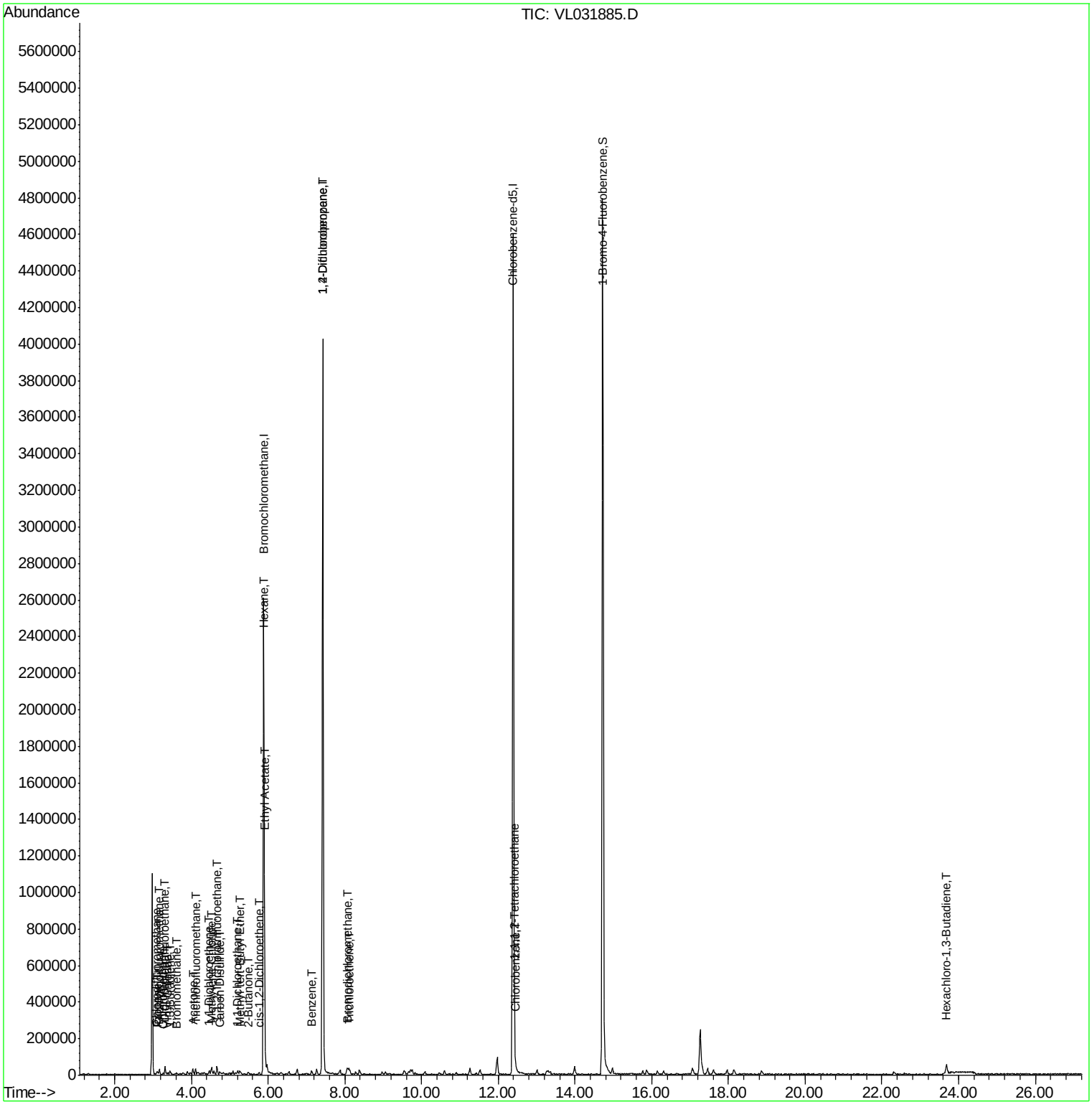
(#) = qualifier out of range (m) = manual integration (+) = signals summed

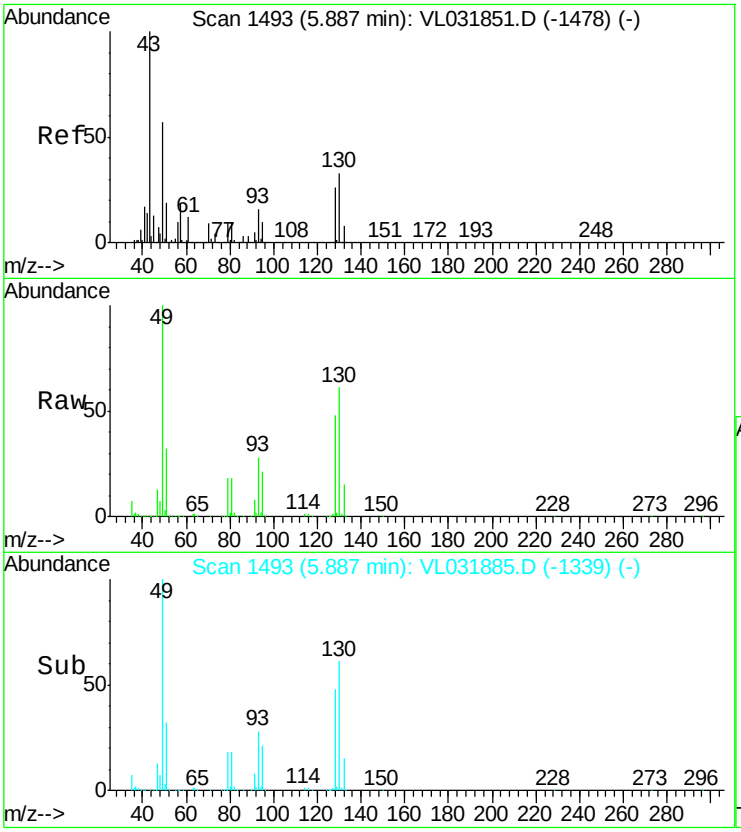
Quantitation Report (Not Reviewed)

Data Path : W:\HPCHEM1\MSVOA_L\DATA\VL041918\
Data File : VL031885.D
Acq On : 19 Apr 2018 19:45
Operator : SY/AP
Sample : J2133-14 0.06 PPBV
Misc : 400ml/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

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

Quant Time: Apr 20 08:00:42 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



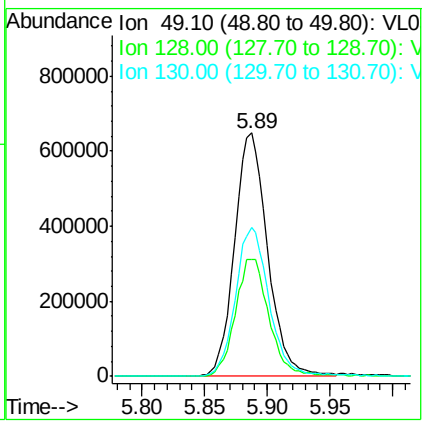


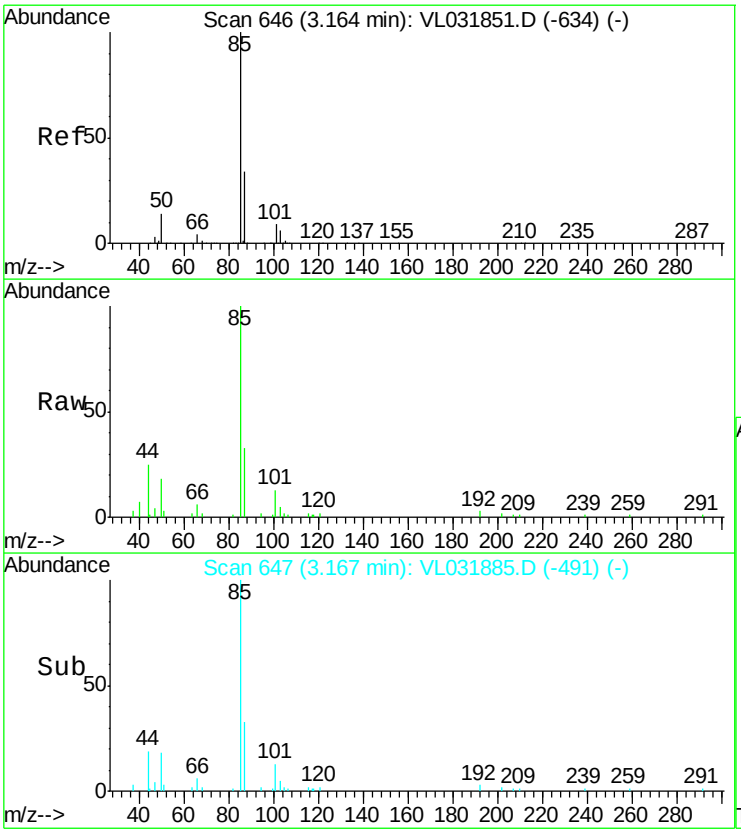
#1
Bromochloromethane
Concen: 10.00 ppbv
RT: 5.89 min Scan# 1493
Delta R.T. -0.00 min
Lab File: VL031885.D
Acq: 19 Apr 2018 19:45

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

Tgt Ion: 49 Resp: 1190194

Ion	Ratio	Lower	Upper
49	100		
128	49.4	23.9	71.7
130	62.8	30.9	92.7

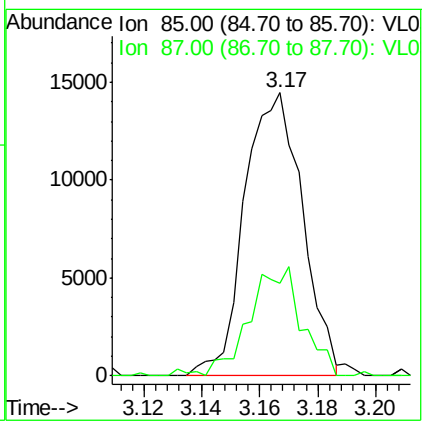


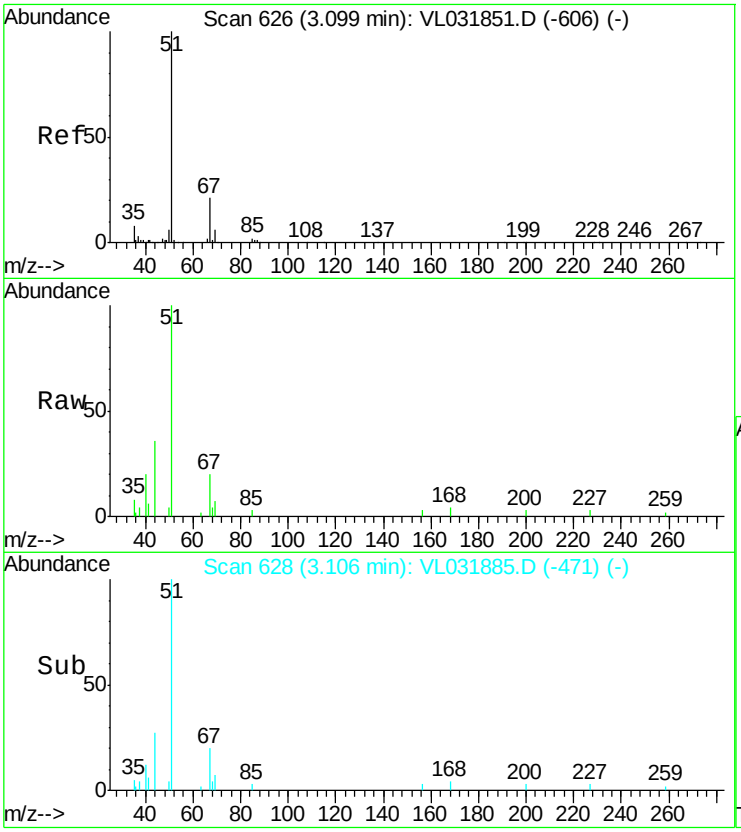


#2
Dichlorodifluoromethane
Concen: 0.08 ppbv
RT: 3.17 min Scan# 647
Delta R.T. 0.00 min
Lab File: VL031885.D
Acq: 19 Apr 2018 19:45

Tgt Ion: 85 Resp: 19994

Ion	Ratio	Lower	Upper
85	100		
87	32.8	25.9	38.9



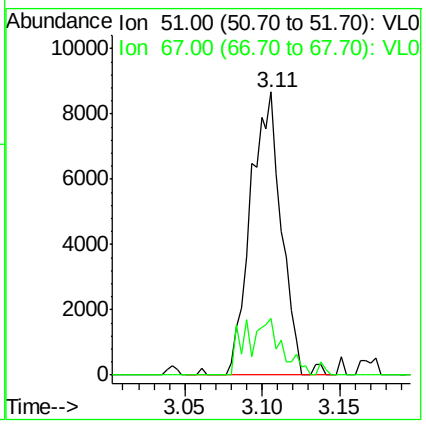


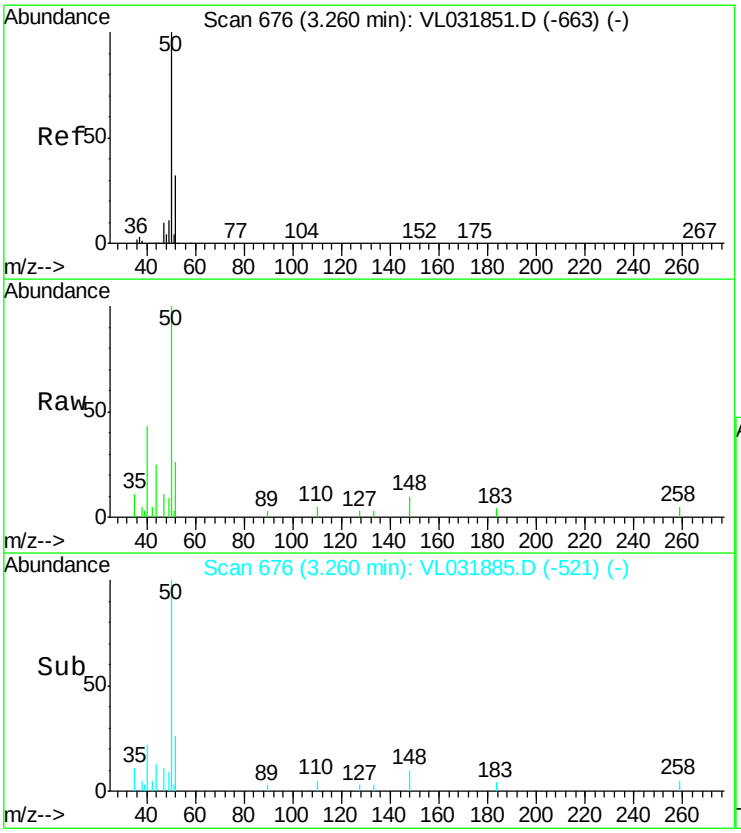
#3
Chlorodifluoromethane
Concen: 0.09 ppbv
RT: 3.11 min Scan# 628
Delta R.T. 0.01 min
Lab File: VL031885.D
Acq: 19 Apr 2018 19:45

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

Tgt Ion: 51 Resp: 12081

Ion	Ratio	Lower	Upper
51	100		
67	24.0	17.5	26.3

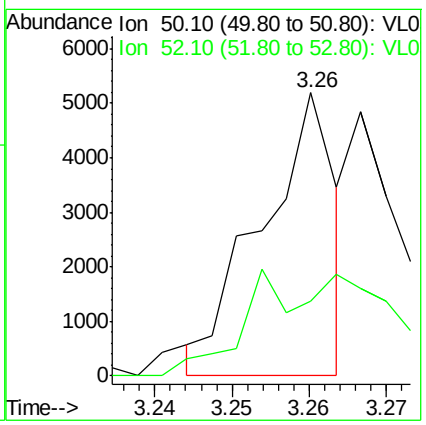


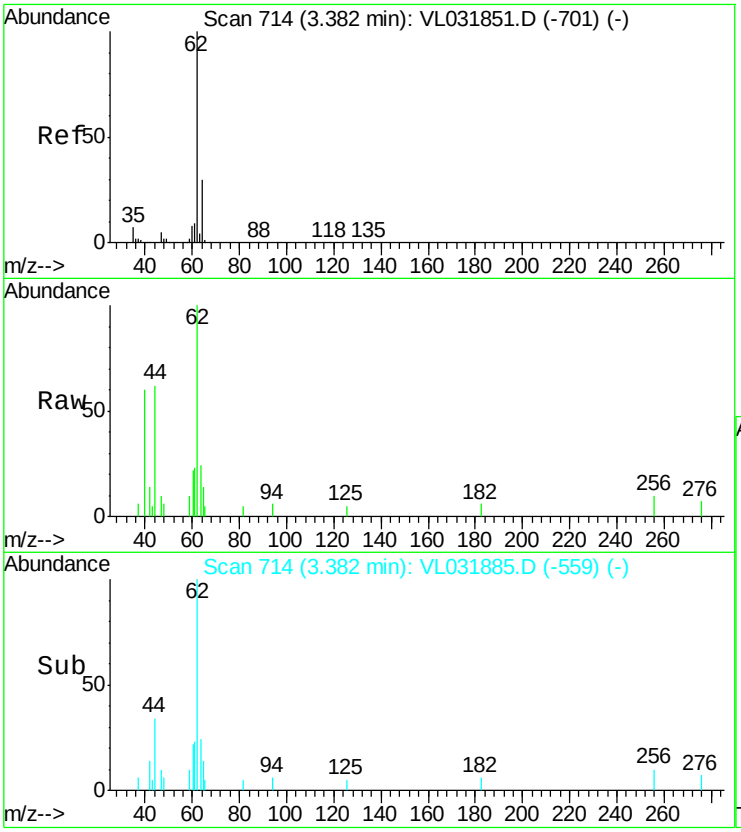


#4
Chloromethane
Concen: 0.05 ppbv
RT: 3.26 min Scan# 676
Delta R.T. -0.00 min
Lab File: VL031885.D
Acq: 19 Apr 2018 19:45

Tgt Ion: 50 Resp: 3446

Ion	Ratio	Lower	Upper
50	100		
52	22.9	28.1	42.1#



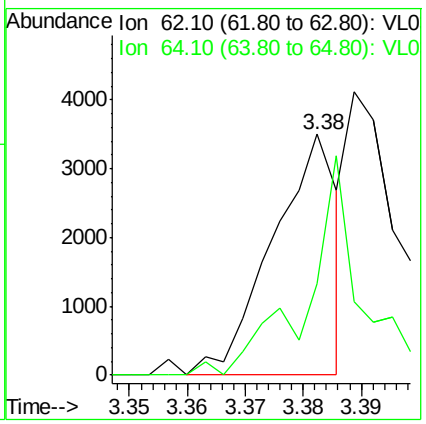


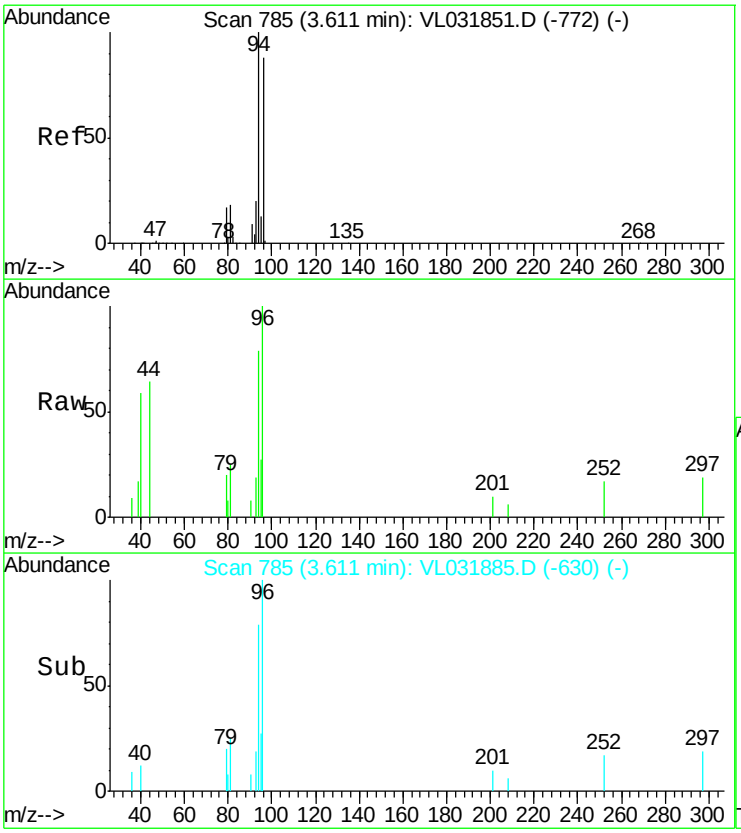
#5
Vinyl Chloride
Concen: 0.03 ppbv
RT: 3.38 min Scan# 714
Delta R.T. -0.00 min
Lab File: VL031885.D
Acq: 19 Apr 2018 19:45

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

Tgt Ion: 62 Resp: 2708

Ion	Ratio	Lower	Upper
62	100		
64	38.2	25.9	38.9

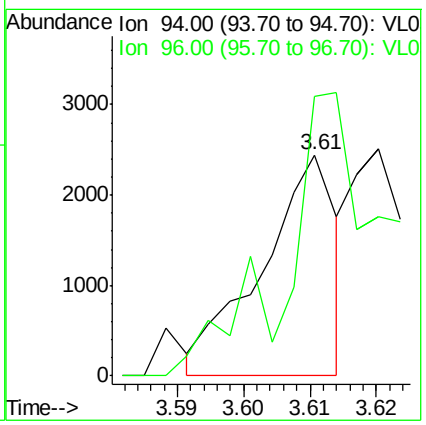


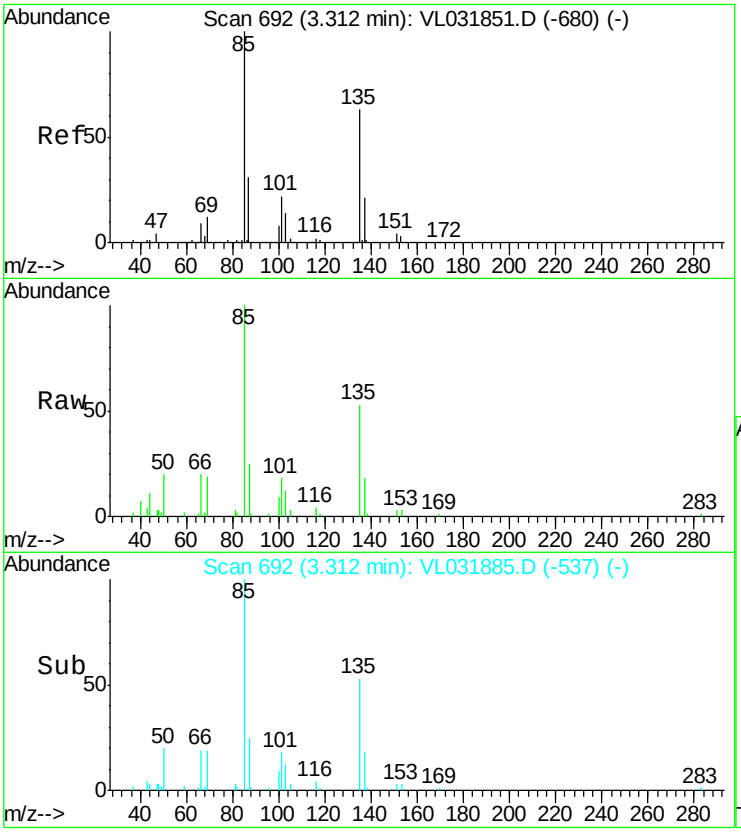


#6
Bromomethane
Concen: 0.04 ppbv
RT: 3.61 min Scan# 785
Delta R.T. -0.00 min
Lab File: VL031885.D
Acq: 19 Apr 2018 19:45

Tgt Ion: 94 Resp: 1902

Ion	Ratio	Lower	Upper
94	100		
96	130.7	73.8	110.6#



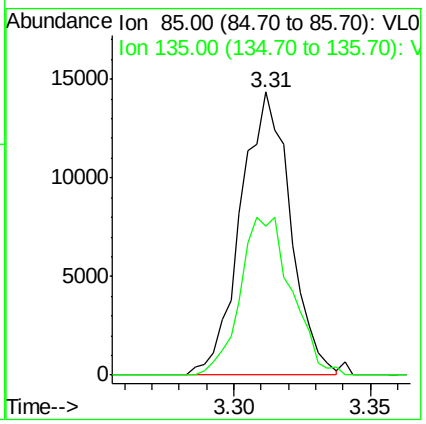


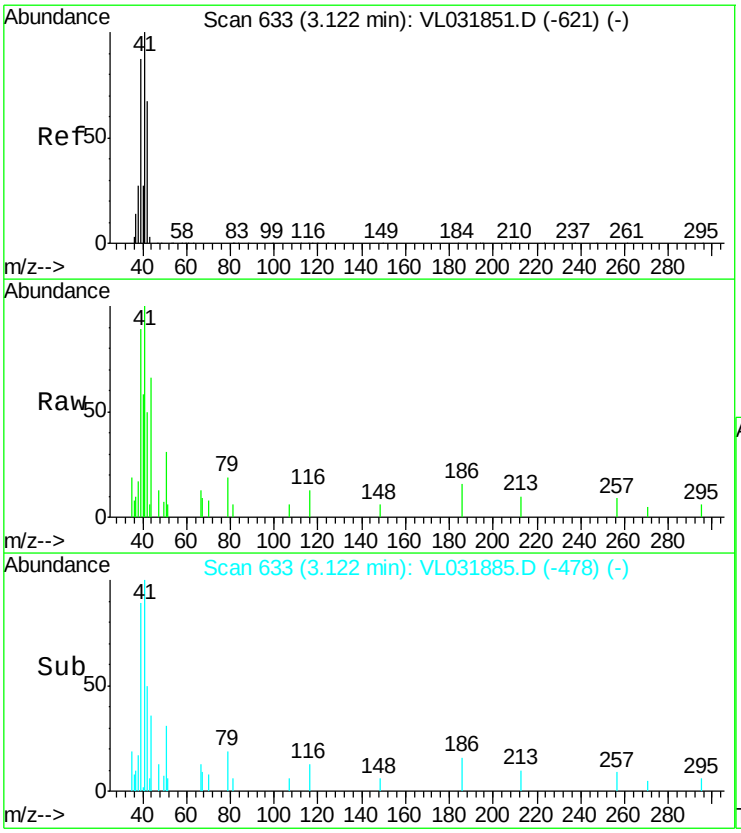
#8
Dichlorotetrafluoroethane
Concen: 0.09 ppbv
RT: 3.31 min Scan# 692
Delta R.T. -0.00 min
Lab File: VL031885.D
Acq: 19 Apr 2018 19:45

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

Tgt Ion: 85 Resp: 18085

Ion	Ratio	Lower	Upper
85	100		
135	57.8	52.7	79.1

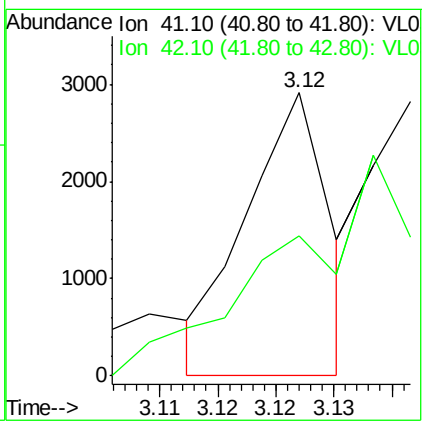


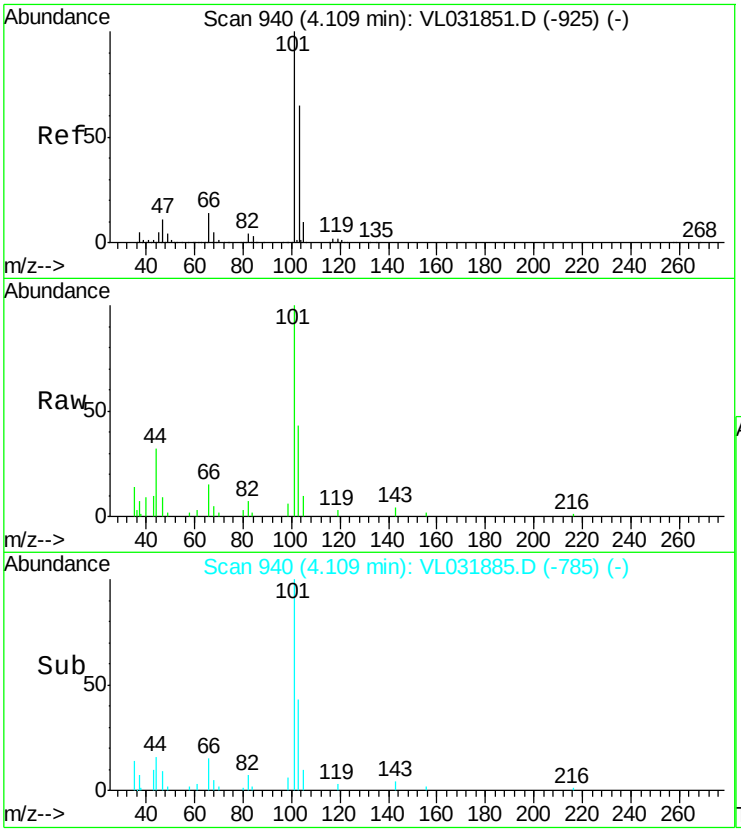


#9
Propene
Concen: 0.03 ppbv
RT: 3.12 min Scan# 633
Delta R.T. -0.00 min
Lab File: VL031885.D
Acq: 19 Apr 2018 19:45

Tgt Ion: 41 Resp: 1448

Ion	Ratio	Lower	Upper
41	100		
42	0.0	55.0	82.4#



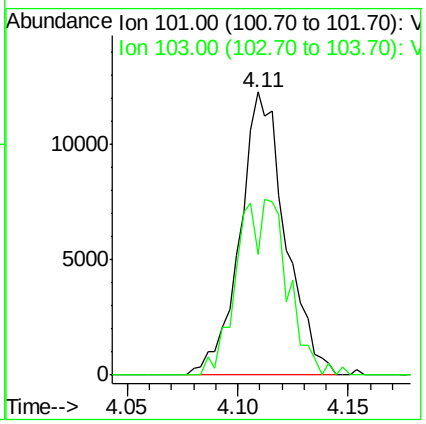


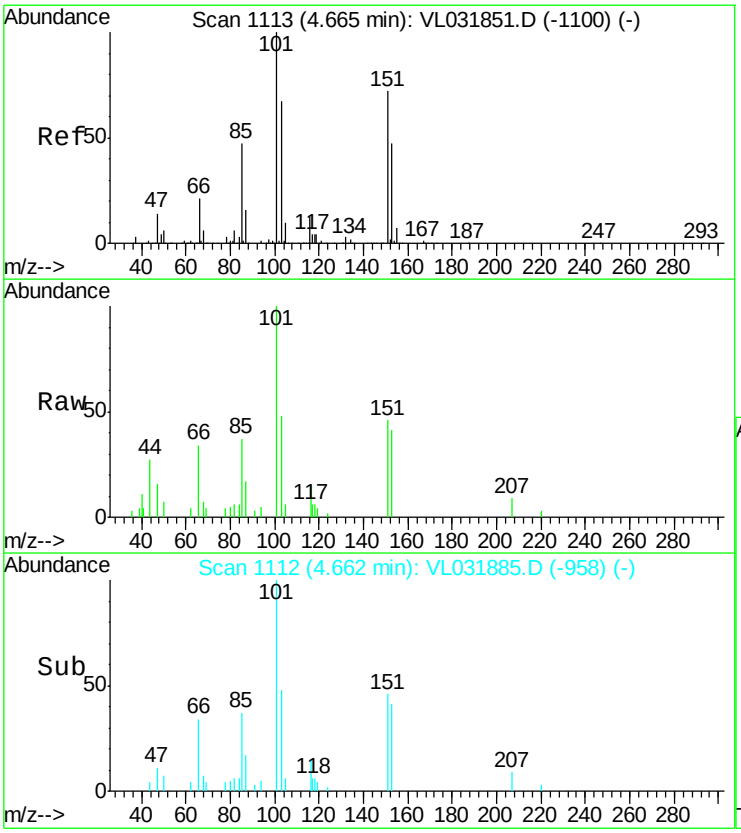
#11
Trichlorofluoromethane
Concen: 0.07 ppbv
RT: 4.11 min Scan# 940
Delta R.T. -0.00 min
Lab File: VL031885.D
Acq: 19 Apr 2018 19:45

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

Tgt Ion:101 Resp: 17629

Ion	Ratio	Lower	Upper
101	100		
103	42.6	51.8	77.8#

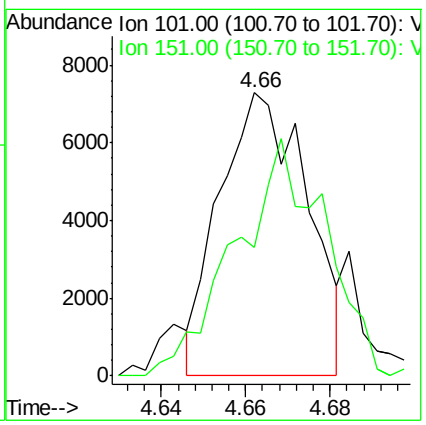


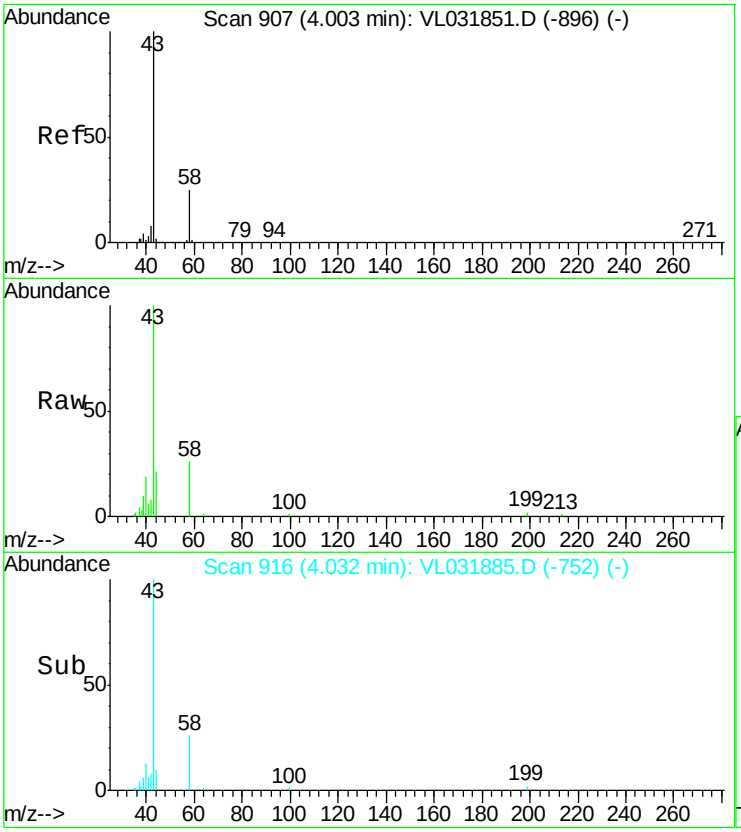


#12
1,1,2-Trichlorotrifluoroethane
Concen: 0.07 ppbv
RT: 4.66 min Scan# 1112
Delta R.T. -0.00 min
Lab File: VL031885.D
Acq: 19 Apr 2018 19:45

Tgt Ion:101 Resp: 10480

Ion	Ratio	Lower	Upper
101	100		
151	86.4	57.0	85.6#



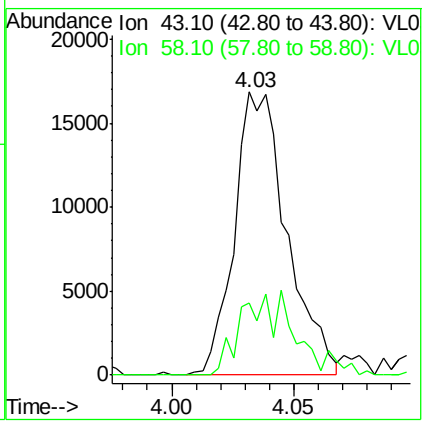


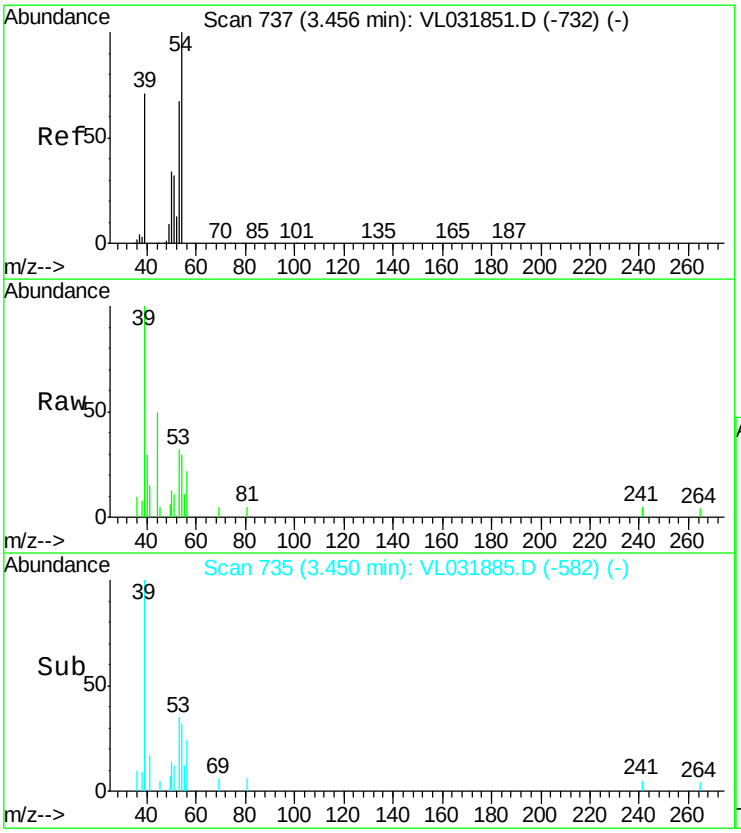
#15
Acetone
Concen: 0.14 ppbv
RT: 4.03 min Scan# 916
Delta R.T. 0.03 min
Lab File: VL031885.D
Acq: 19 Apr 2018 19:45

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

Tgt Ion: 43 Resp: 25081

Ion	Ratio	Lower	Upper
43	100		
58	30.6	20.9	31.3

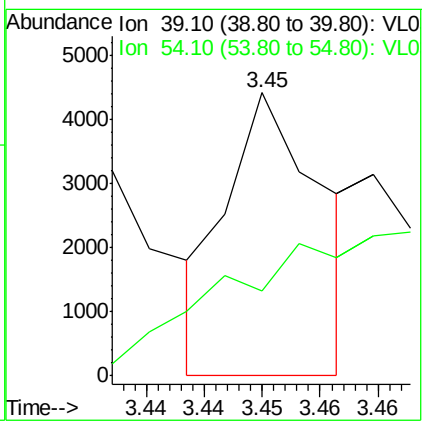


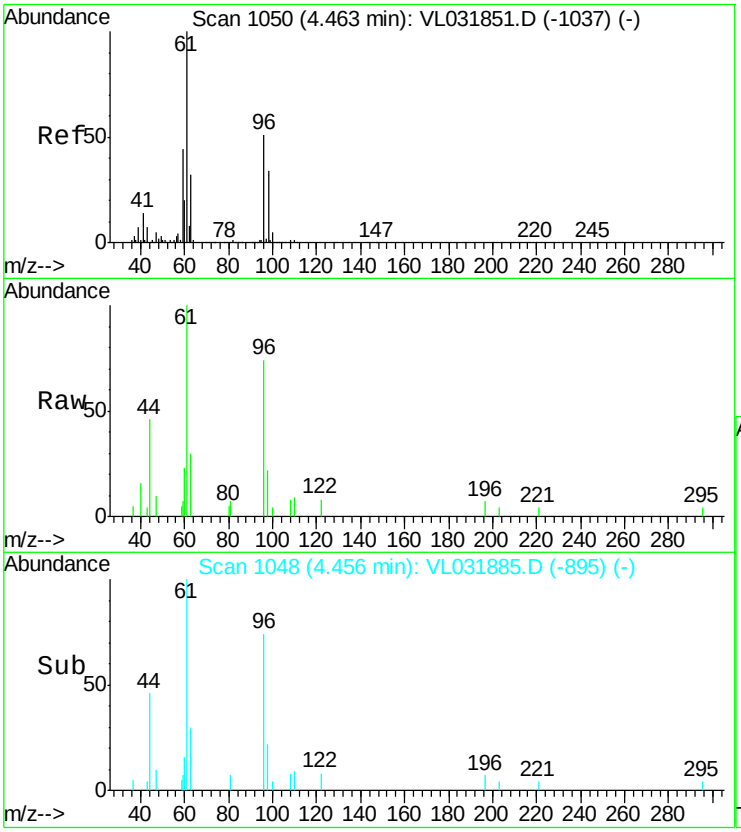


#16
1,3-Butadiene
Concen: 0.04 ppbv
RT: 3.45 min Scan# 735
Delta R.T. -0.01 min
Lab File: VL031885.D
Acq: 19 Apr 2018 19:45

Tgt Ion: 39 Resp: 2505

Ion	Ratio	Lower	Upper
39	100		
54	0.0	63.3	94.9#



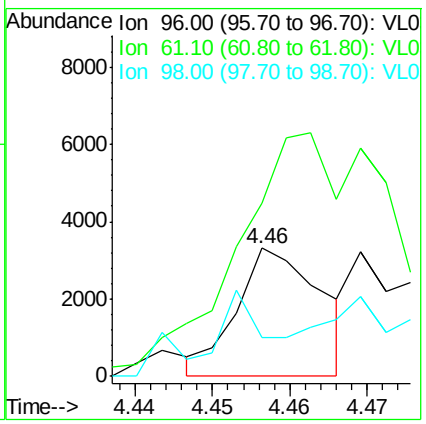


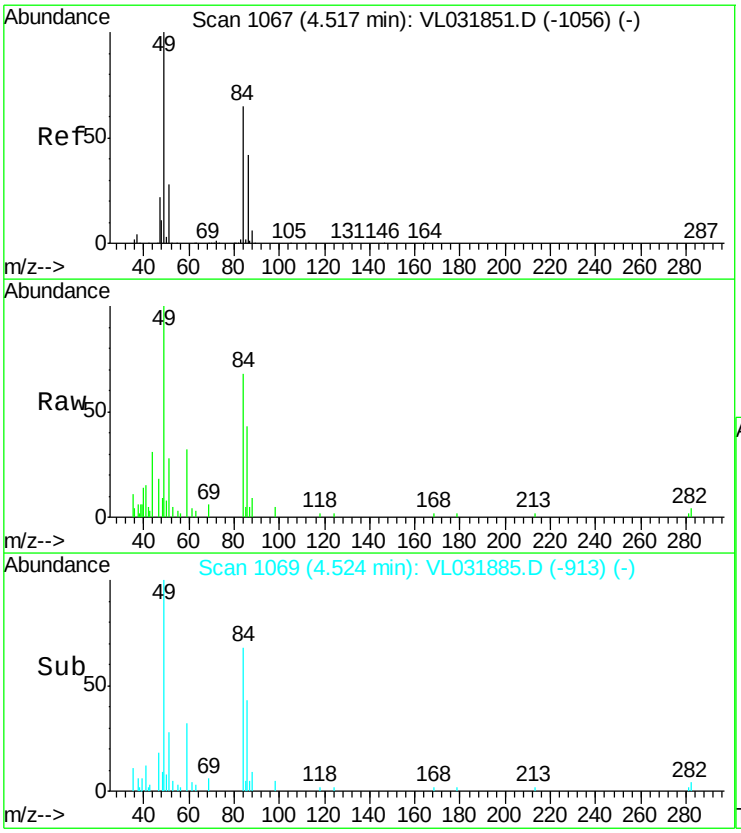
#18
1,1-Dichloroethene
Concen: 0.04 ppbv
RT: 4.46 min Scan# 1048
Delta R.T. -0.01 min
Lab File: VL031885.D
Acq: 19 Apr 2018 19:45

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

Tgt Ion: 96 Resp: 2508

Ion	Ratio	Lower	Upper
96	100		
61	112.0	161.0	241.6#
98	19.4	52.7	79.1#

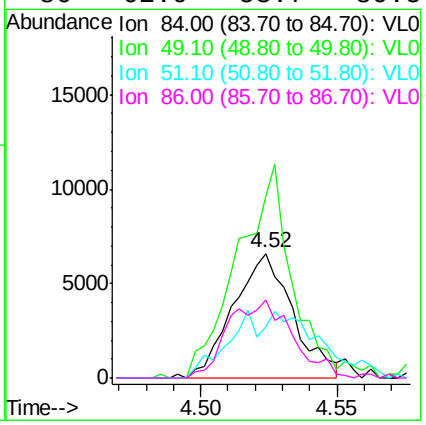


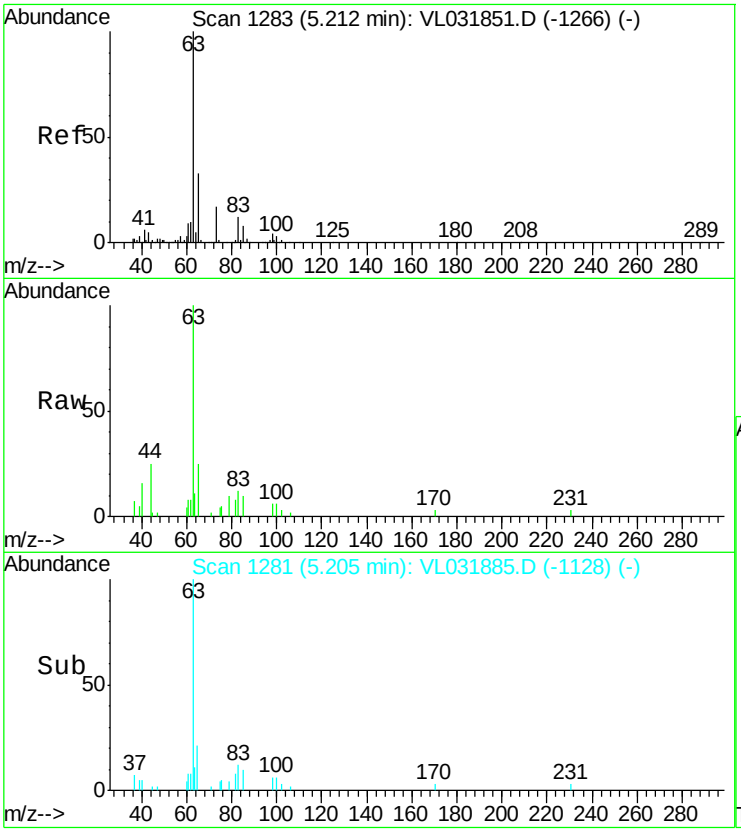


#20
Methylene Chloride
Concen: 0.15 ppbv
RT: 4.52 min Scan# 1069
Delta R.T. 0.00 min
Lab File: VL031885.D
Acq: 19 Apr 2018 19:45

Tgt Ion: 84 Resp: 9969

Ion	Ratio	Lower	Upper
84	100		
49	141.1	125.6	188.4
51	41.2	36.4	54.6
86	62.9	53.7	80.5



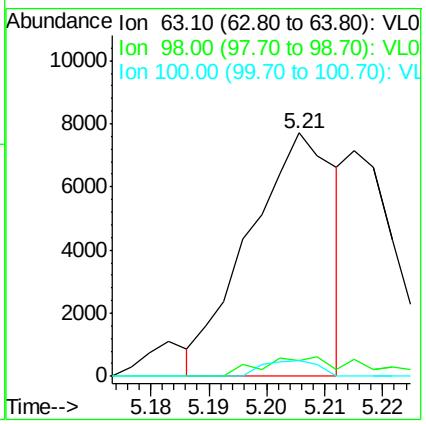


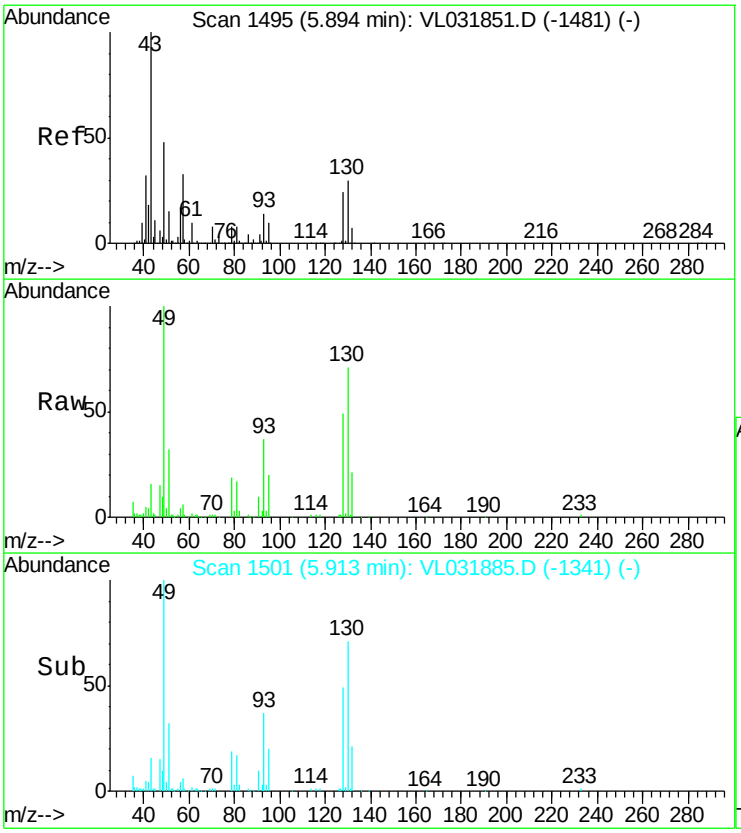
#24
1,1-Dichloroethane
Concen: 0.04 ppbv
RT: 5.21 min Scan# 1281
Delta R.T. -0.01 min
Lab File: VL031885.D
Acq: 19 Apr 2018 19:45

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

Tgt Ion: 63 Resp: 7932

Ion	Ratio	Lower	Upper
63	100		
98	6.2	2.4	7.2
100	6.3	1.5	4.4#

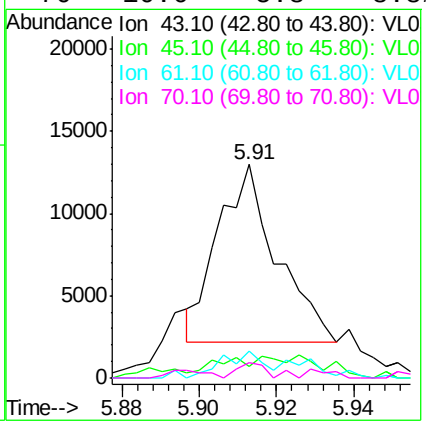


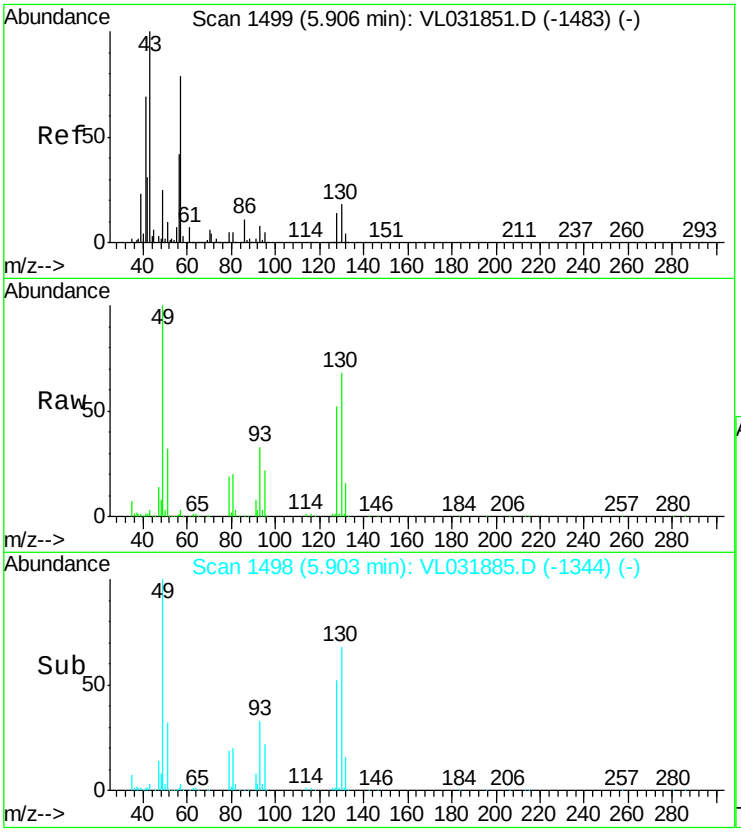


#25
Ethyl Acetate
Concen: 0.04 ppbv
RT: 5.91 min Scan# 1501
Delta R.T. 0.02 min
Lab File: VL031885.D
Acq: 19 Apr 2018 19:45

Tgt Ion: 43 Resp: 11346

Ion	Ratio	Lower	Upper
43	100		
45	27.5	7.8	11.8#
61	18.9	7.2	10.8#
70	10.6	5.8	8.8#



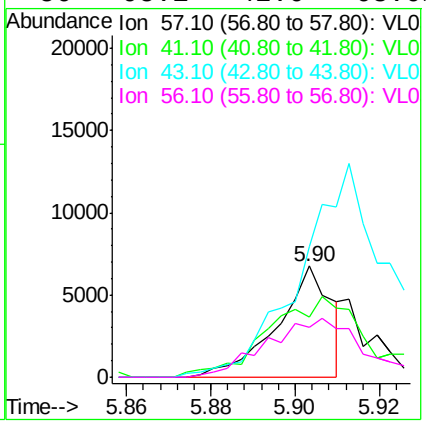


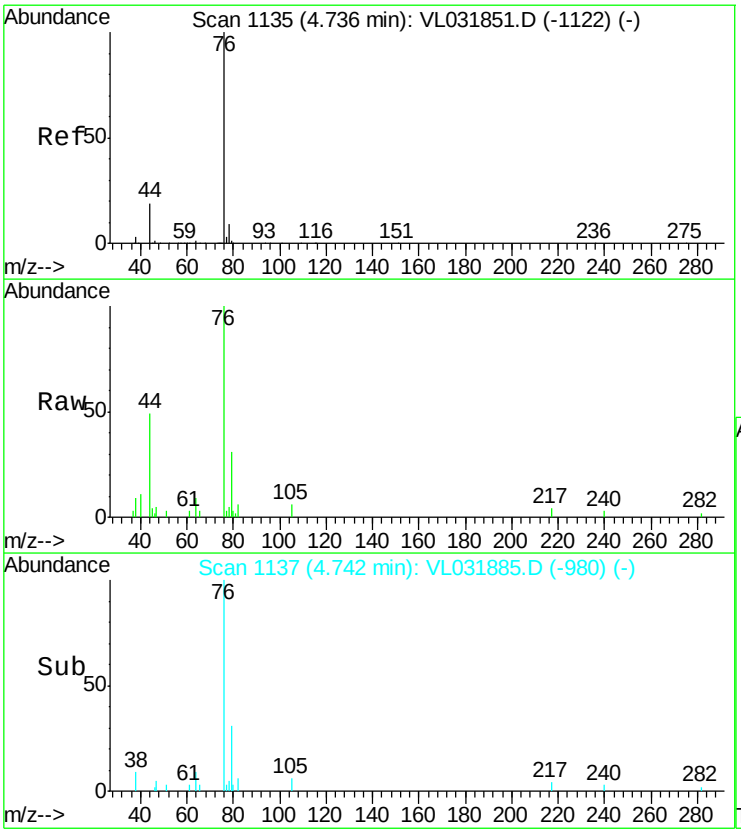
#26
Hexane
Concen: 0.05 ppbv
RT: 5.90 min Scan# 1498
Delta R.T. -0.00 min
Lab File: VL031885.D
Acq: 19 Apr 2018 19:45

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

Tgt Ion: 57 Resp: 6026

Ion	Ratio	Lower	Upper
57	100		
41	138.6	72.0	108.0#
43	0.0	169.8	254.8#
56	95.1	42.0	63.0#

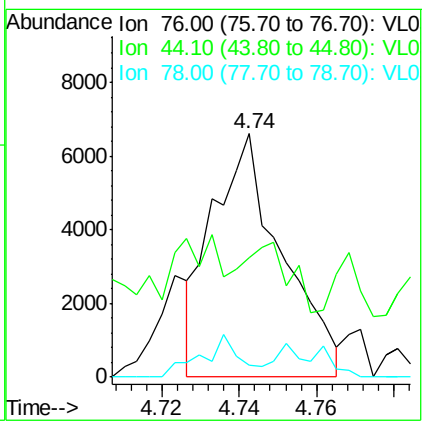


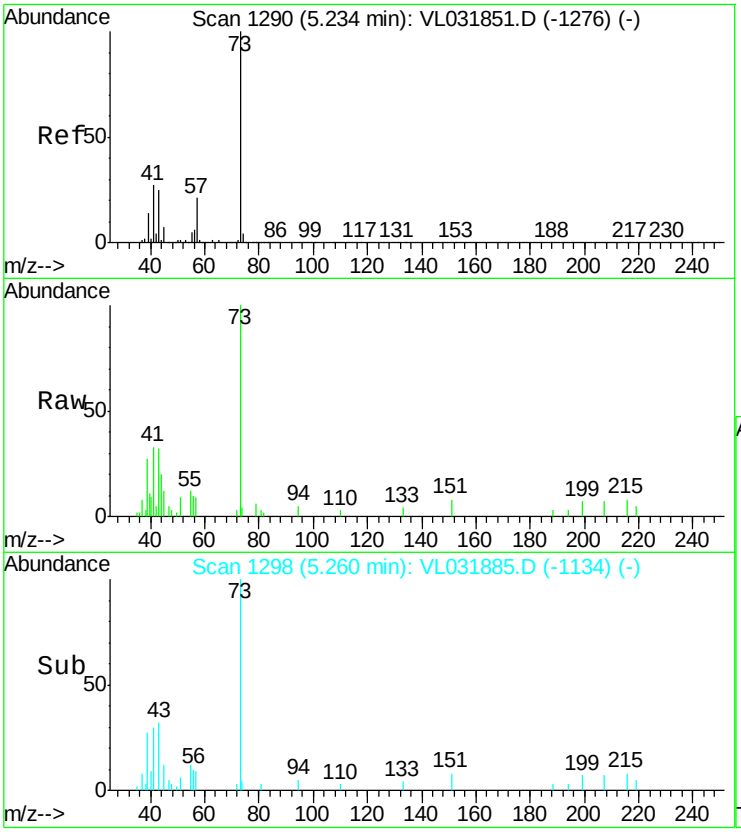


#27
Carbon Disulfide
Concen: 0.05 ppbv
RT: 4.74 min Scan# 1137
Delta R.T. 0.01 min
Lab File: VL031885.D
Acq: 19 Apr 2018 19:45

Tgt Ion: 76 Resp: 8252

Ion	Ratio	Lower	Upper
76	100		
44	78.6	15.6	23.4#
78	17.9	7.6	11.4#



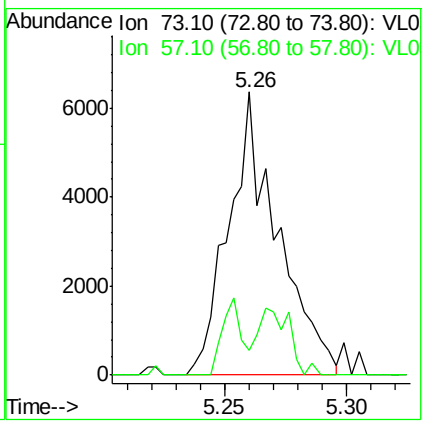


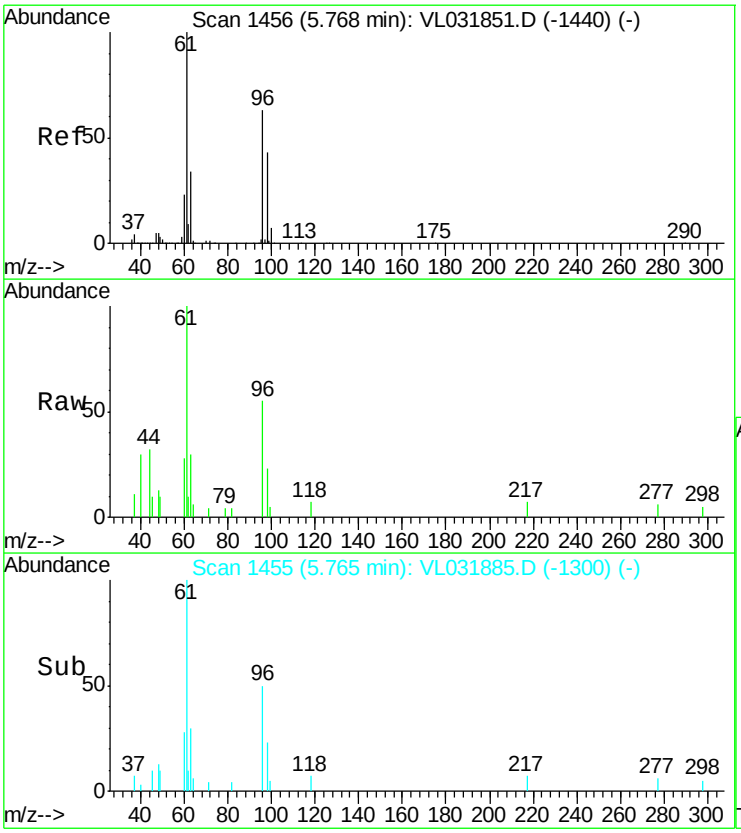
#28
Methyl tert-Butyl Ether
Concen: 0.05 ppbv
RT: 5.26 min Scan# 1298
Delta R.T. 0.03 min
Lab File: VL031885.D
Acq: 19 Apr 2018 19:45

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

Tgt Ion: 73 Resp: 8823

Ion	Ratio	Lower	Upper
73	100		
57	26.7	17.6	26.4#

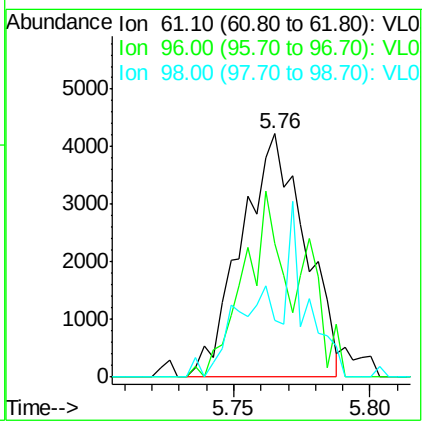


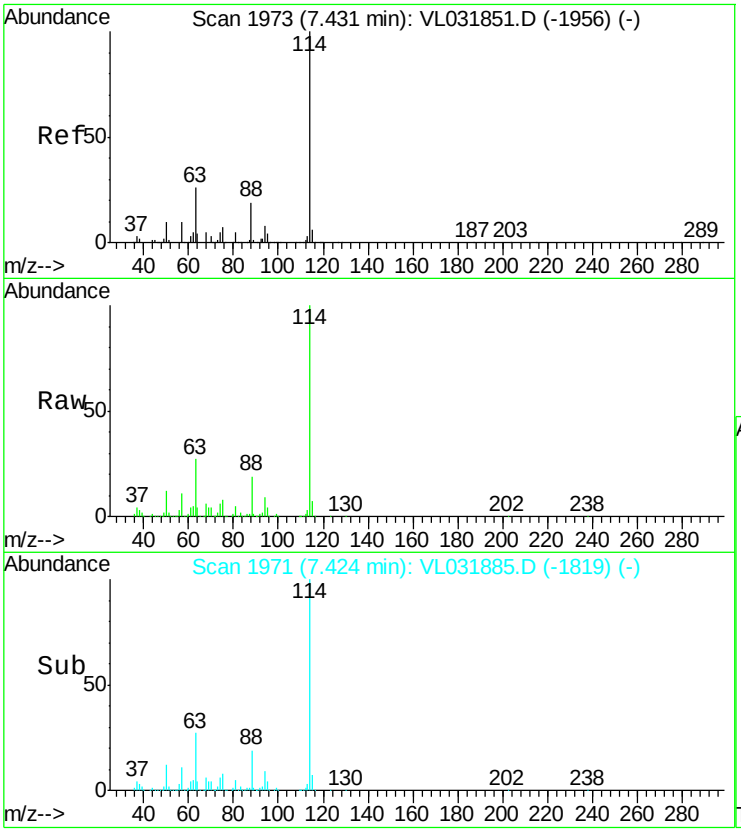


#31
cis-1,2-Dichloroethene
Concen: 0.06 ppbv
RT: 5.76 min Scan# 1455
Delta R.T. -0.00 min
Lab File: VL031885.D
Acq: 19 Apr 2018 19:45

Tgt Ion: 61 Resp: 6843

Ion	Ratio	Lower	Upper
61	100		
96	54.7	47.6	71.4
98	23.1	30.3	45.5#



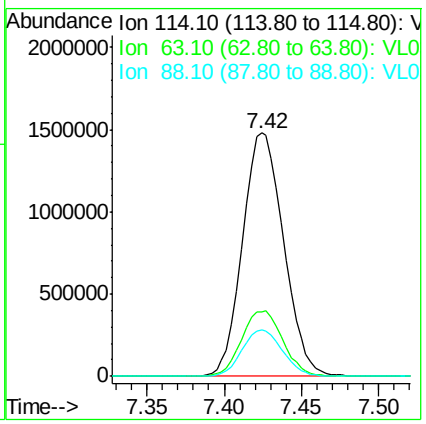


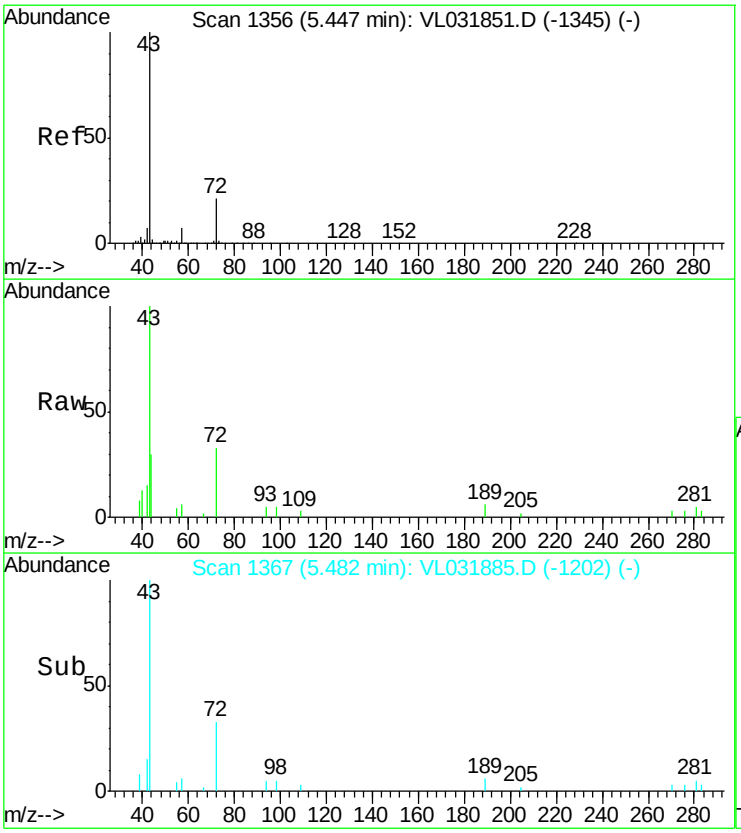
#33
1,4-Difluorobenzene
Concen: 10.00 ppbv
RT: 7.42 min Scan# 1971
Delta R.T. -0.01 min
Lab File: VL031885.D
Acq: 19 Apr 2018 19:45

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

Tgt Ion:114 Resp: 2736390

Ion	Ratio	Lower	Upper
114	100		
63	27.2	21.8	32.6
88	18.7	14.6	22.0

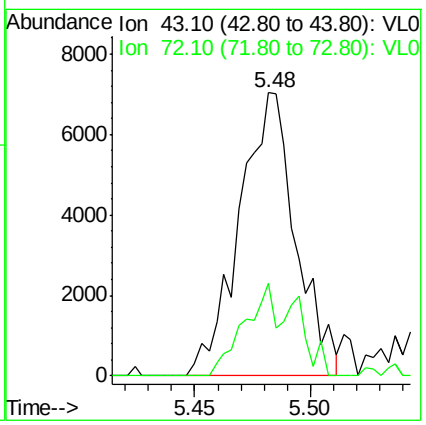


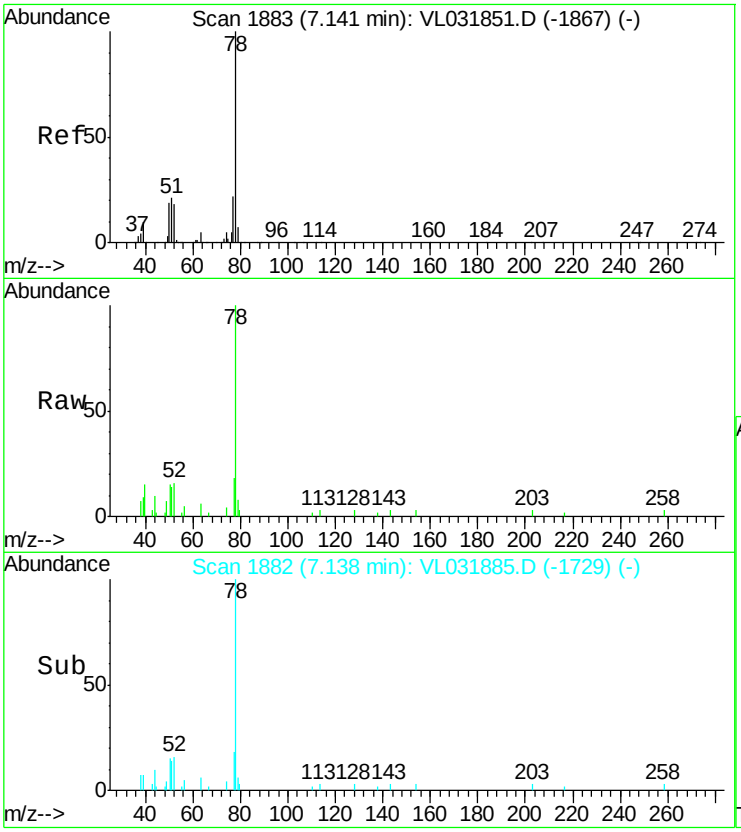


#34
2-Butanone
Concen: 0.06 ppbv
RT: 5.48 min Scan# 1367
Delta R.T. 0.03 min
Lab File: VL031885.D
Acq: 19 Apr 2018 19:45

Tgt Ion: 43 Resp: 11921

Ion	Ratio	Lower	Upper
43	100		
72	30.6	18.6	27.8#



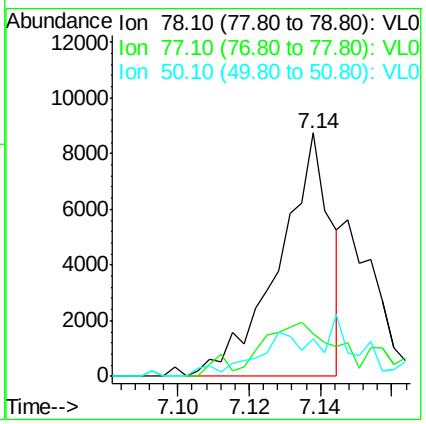


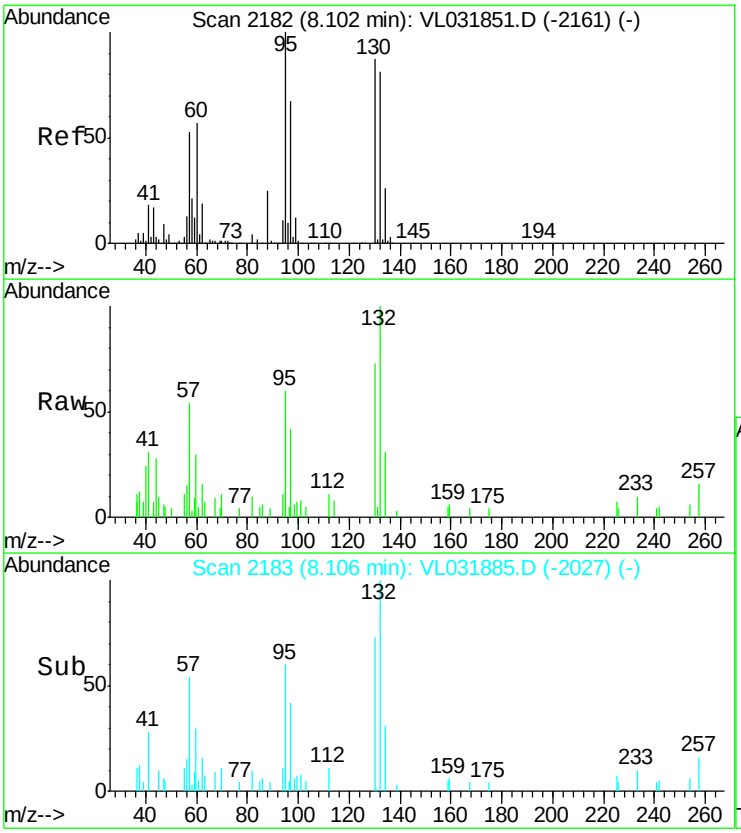
#36
Benzene
Concen: 0.04 ppbv
RT: 7.14 min Scan# 1882
Delta R.T. -0.01 min
Lab File: VL031885.D
Acq: 19 Apr 2018 19:45

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

Tgt Ion: 78 Resp: 8762

Ion	Ratio	Lower	Upper
78	100		
77	17.5	19.2	28.8#
50	15.3	16.7	25.1#

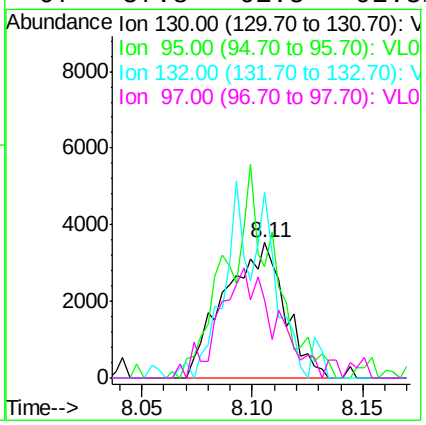


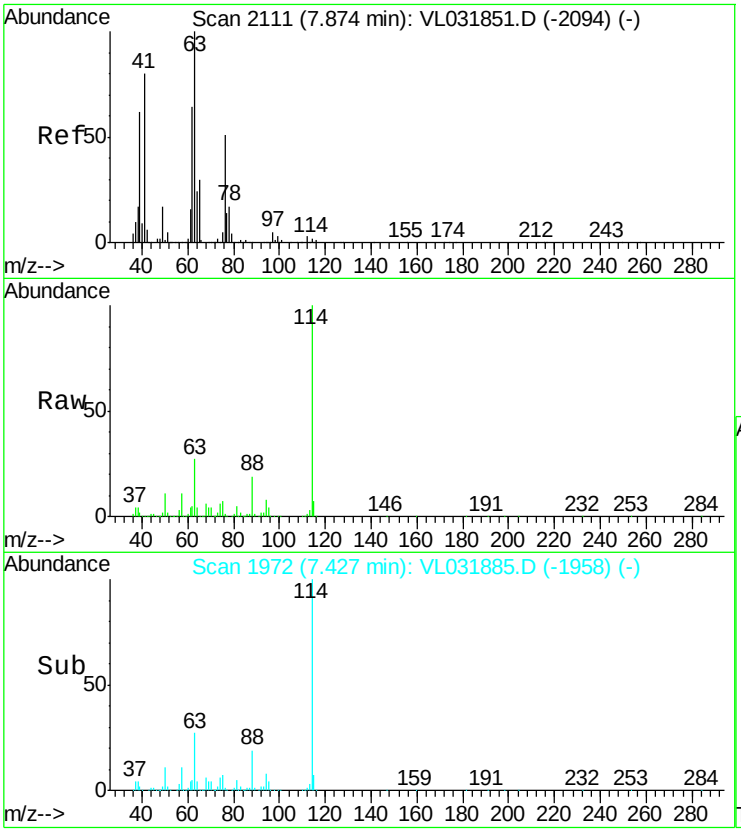


#38
Trichloroethene
Concen: 0.07 ppbv
RT: 8.11 min Scan# 2183
Delta R.T. 0.00 min
Lab File: VL031885.D
Acq: 19 Apr 2018 19:45

Tgt Ion:130 Resp: 6647

Ion	Ratio	Lower	Upper
130	100		
95	82.8	96.6	144.8#
132	137.3	79.1	118.7#
97	57.8	61.5	92.3#



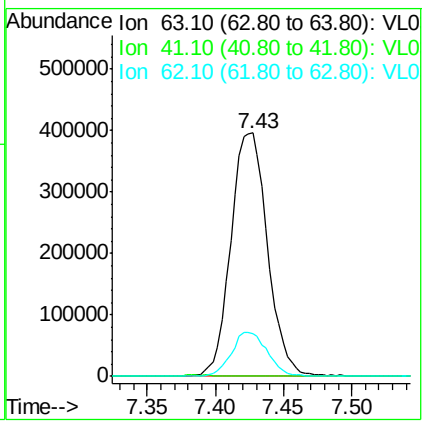


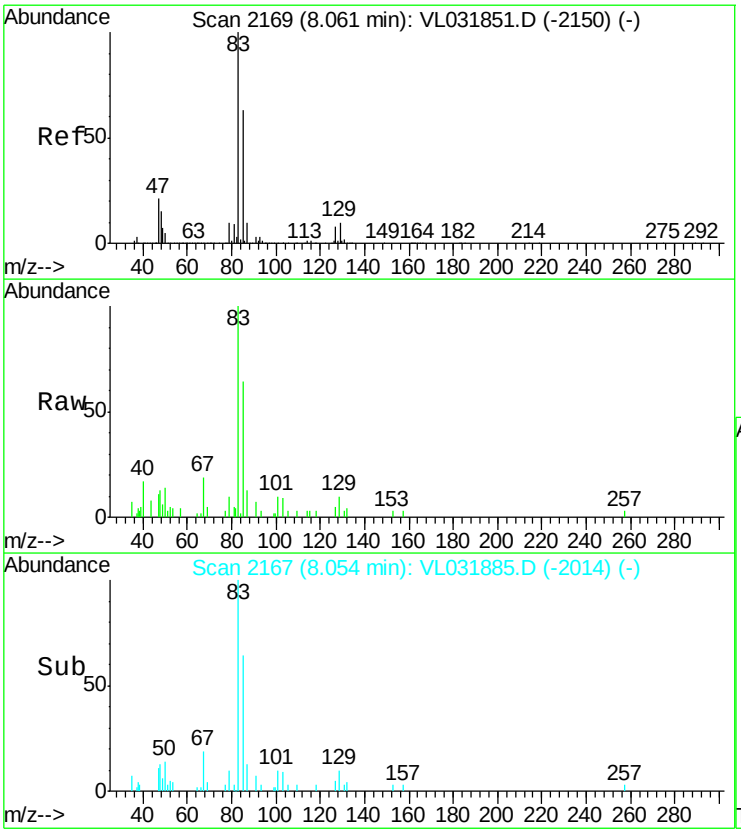
#39
1,2-Dichloropropane
Concen: 8.06 ppbv
RT: 7.43 min Scan# 1972
Delta R.T. -0.45 min
Lab File: VL031885.D
Acq: 19 Apr 2018 19:45

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

Tgt Ion: 63 Resp: 737319

Ion	Ratio	Lower	Upper
63	100		
41	0.0	65.8	98.6#
62	17.5	55.0	82.6#

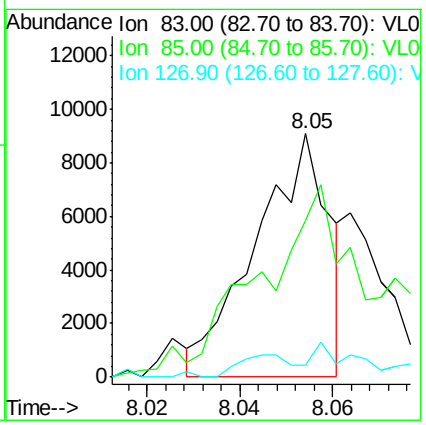


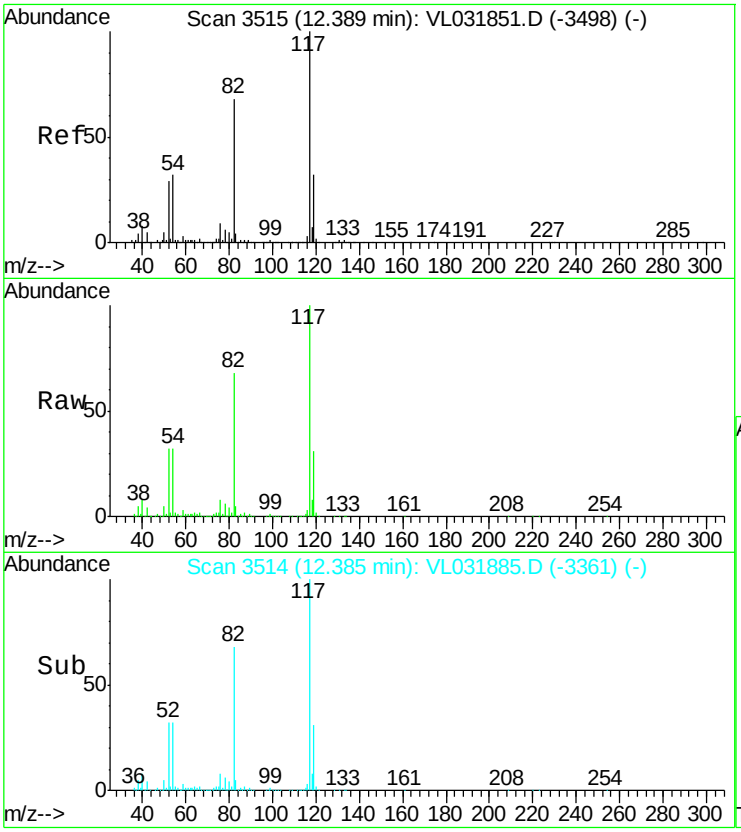


#42
Bromodichloromethane
Concen: 0.05 ppbv
RT: 8.05 min Scan# 2167
Delta R.T. -0.01 min
Lab File: VL031885.D
Acq: 19 Apr 2018 19:45

Tgt Ion: 83 Resp: 9941

Ion	Ratio	Lower	Upper
83	100		
85	66.3	50.5	75.7
127	3.1	6.0	9.0#



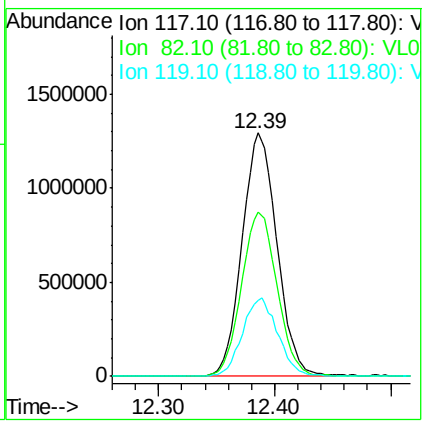


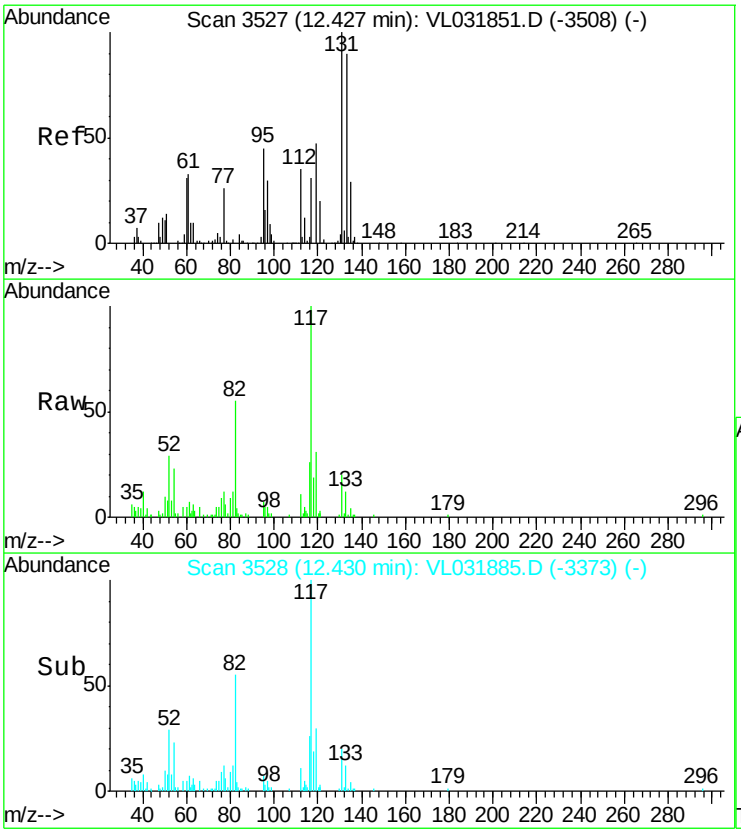
#55
Chlorobenzene-d5
Concen: 10.00 ppbv
RT: 12.39 min Scan# 3514
Delta R.T. -0.01 min
Lab File: VL031885.D
Acq: 19 Apr 2018 19:45

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

Tgt Ion:117 Resp: 2708289

Ion	Ratio	Lower	Upper
117	100		
82	69.6	54.6	81.8
119	32.8	26.0	39.0

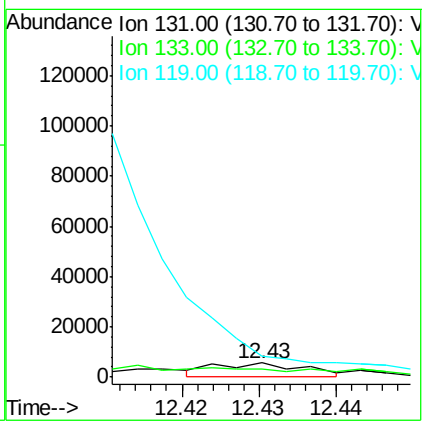


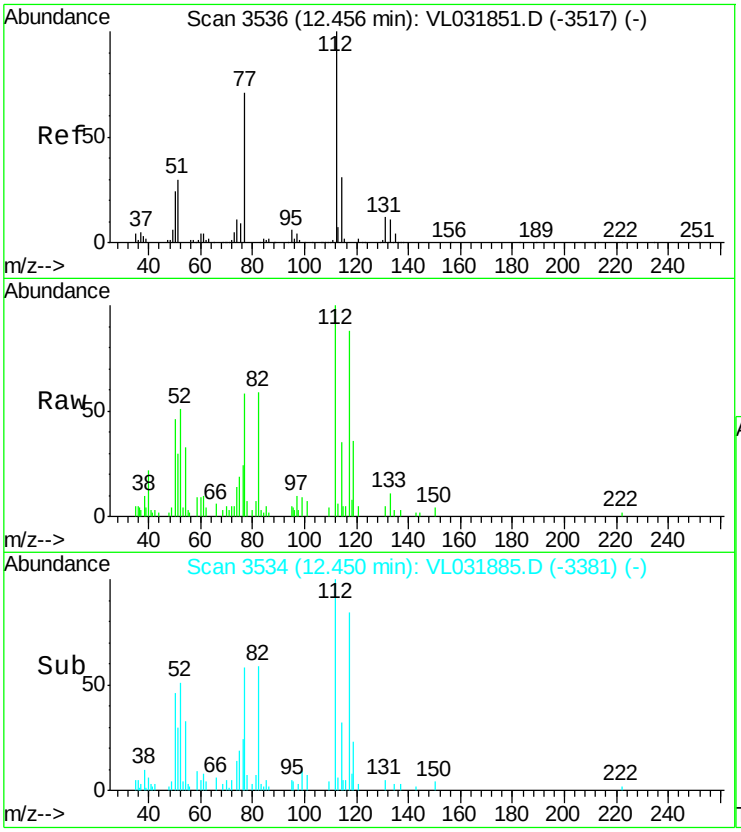


#56
1,1,1,2-Tetrachloroethane
Concen: 0.04 ppbv
RT: 12.43 min Scan# 3528
Delta R.T. -0.00 min
Lab File: VL031885.D
Acq: 19 Apr 2018 19:45

Tgt Ion:131 Resp: 4557

Ion	Ratio	Lower	Upper
131	100		
133	0.0	76.1	114.1#
119	0.0	106.3	159.5#



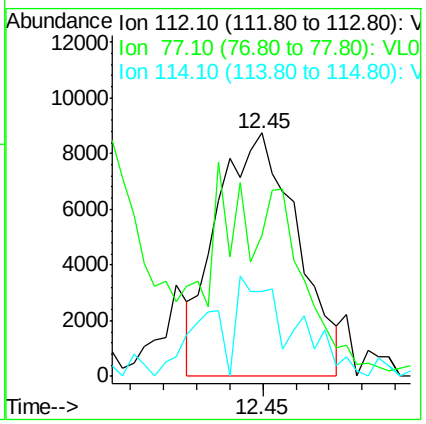


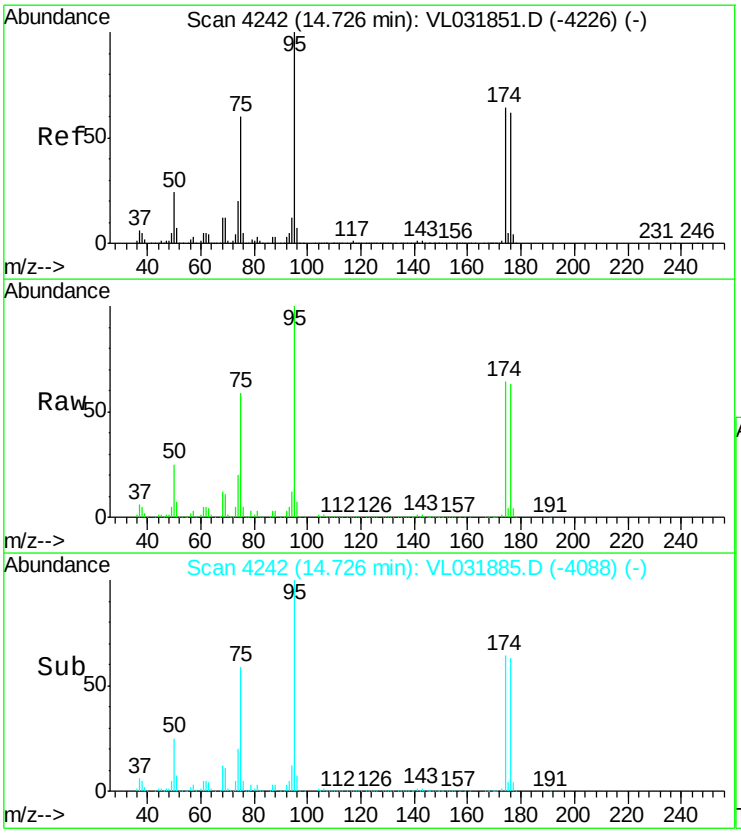
#57
Chlorobenzene
Concen: 0.06 ppbv
RT: 12.45 min Scan# 3534
Delta R.T. -0.01 min
Lab File: VL031885.D
Acq: 19 Apr 2018 19:45

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

Tgt Ion:112 Resp: 14781

Ion	Ratio	Lower	Upper
112	100		
77	58.4	57.0	85.6
114	38.2	28.5	34.9#

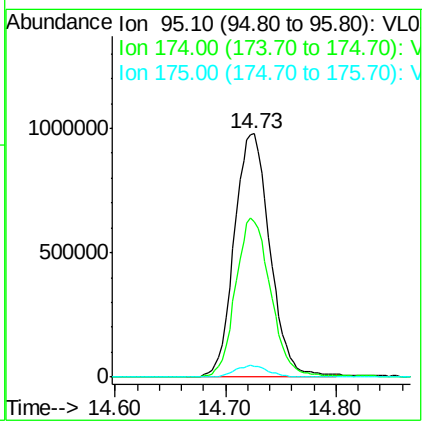


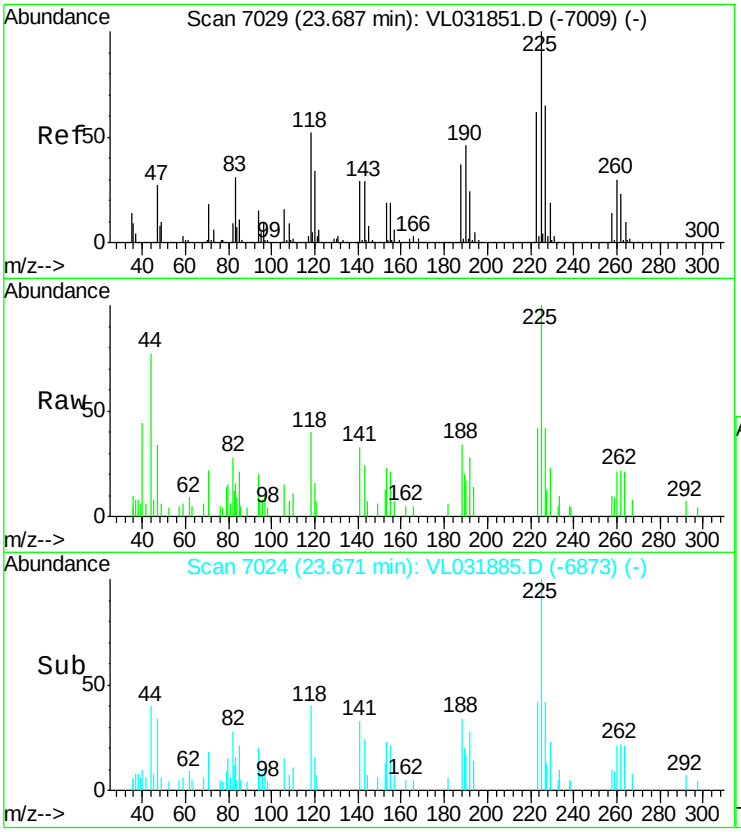


#68
1-Bromo-4-Fluorobenzene
Concen: 10.06 ppbv
RT: 14.73 min Scan# 4242
Delta R.T. -0.00 min
Lab File: VL031885.D
Acq: 19 Apr 2018 19:45

Tgt Ion: 95 Resp: 2191563

Ion	Ratio	Lower	Upper
95	100		
174	64.9	52.3	78.5
175	4.6	3.9	5.9





#78
Hexachloro-1,3-Butadiene
Concen: 0.04 ppbv
RT: 23.67 min Scan# 7024
Delta R.T. -0.01 min
Lab File: VL031885.D
Acq: 19 Apr 2018 19:45

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

Tgt Ion:225 Resp: 3086

Ion	Ratio	Lower	Upper
225	100		
223	242.3	50.6	76.0#
227	0.0	52.2	78.4#