Data Path : Z:\VOASRV\HPCHEM1\MSVOA_L\DATA\VL041719\

Quantitation Report (Not Reviewed)

Data File : VL033604.D
Acq On : 17 Apr 2019 16:15
Operator : SY/AP
Sample : K2241-14 0.06 PPB
Misc : 400ml/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_L
ClientSampleId : LOQ-AIR-02-QT2-2019

Quant Time: Apr 18 05:39:28 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL032519AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LTue Mar 26 16:00:50 2019
QLast Update : Tue Mar 26 16:00:50 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
1) Bromochloromethane	5.76	49	791470	10.00	ppbv		0.00
33) 1,4-Difluorobenzene	7.29	114	1896060	10.00	ppbv		0.00
55) Chlorobenzene-d5	12.24	117	1900812	10.00	ppbv		0.00
System Monitoring Compounds							
68) 1-Bromo-4-Fluorobenzene	14.57	95	1541118	10.34	ppbv		0.00
Spiked Amount 10.000	Range 65 - 135		Recovery = 103.40%				
Target Compounds							Qvalue
3) Chlorodifluoromethane	3.02	51	8803	0.097	ppbv		92
4) Chloromethane	3.17	50	3720	0.077	ppbv	#	75
5) Vinyl Chloride	3.29	62	3466	0.073	ppbv	#	77
7) Chloroethane	3.60	64	535	0.030	ppbv		93
8) Dichlorotetrafluoroethane	3.22	85	8686	0.071	ppbv		94
11) Trichlorofluoromethane	4.00	101	10200	0.072	ppbv		94
12) 1,1,2-Trichlorotrifluoroet	4.55	101	4719	0.049	ppbv	#	14
13) Ethanol	3.66	45	740	0.075	ppbv	#	18
15) Acetone	3.91	43	23430	0.246	ppbv	#	79
19) Isopropyl Alcohol	4.05	45	3780	0.063	ppbv	#	74
20) Methylene Chloride	4.41	84	10945	0.271	ppbv	#	81
21) Allyl Chloride	4.48	41	3585	0.060	ppbv		91
22) trans-1,2-Dichloroethene	4.97	96	2565	0.060	ppbv		94
23) Vinyl Acetate	5.15	43	4828	0.036	ppbv	#	89
24) 1,1-Dichloroethane	5.09	63	7041	0.068	ppbv	#	96
25) Ethyl Acetate	5.78	43	9421	0.053	ppbv	#	92
26) Hexane	5.78	57	4597	0.059	ppbv	#	85
27) Carbon Disulfide	4.62	76	4058	0.043	ppbv	#	1
28) Methyl tert-Butyl Ether	5.14	73	4631	0.041	ppbv		91
29) Chloroform	5.84	83	6551	0.049	ppbv	#	70
35) Carbon Tetrachloride	7.13	117	6106	0.045	ppbv	#	62
36) Benzene	7.00	78	7324	0.046	ppbv		100
37) 1,2-Dichloroethane	6.41	62	6073	0.057	ppbv	#	93
39) 1,2-Dichloropropane	7.29	63	497927	7.990	ppbv	#	23
50) 4-Methyl-2-Pentanone	8.90	43	9110	0.055	ppbv		97
57) Chlorobenzene	12.29	112	7051	0.048	ppbv	#	50
62) Isopropylbenzene	14.82	105	10889	0.035	ppbv		99
63) 1,1,2,2-Tetrachloroethane	13.84	83	5589	0.035	ppbv	#	59
77) 1,2-Dichlorobenzene	17.99	146	5133	0.035	ppbv		86
78) Hexachloro-1,3-Butadiene	23.53	225	3882	0.040	ppbv	#	19

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

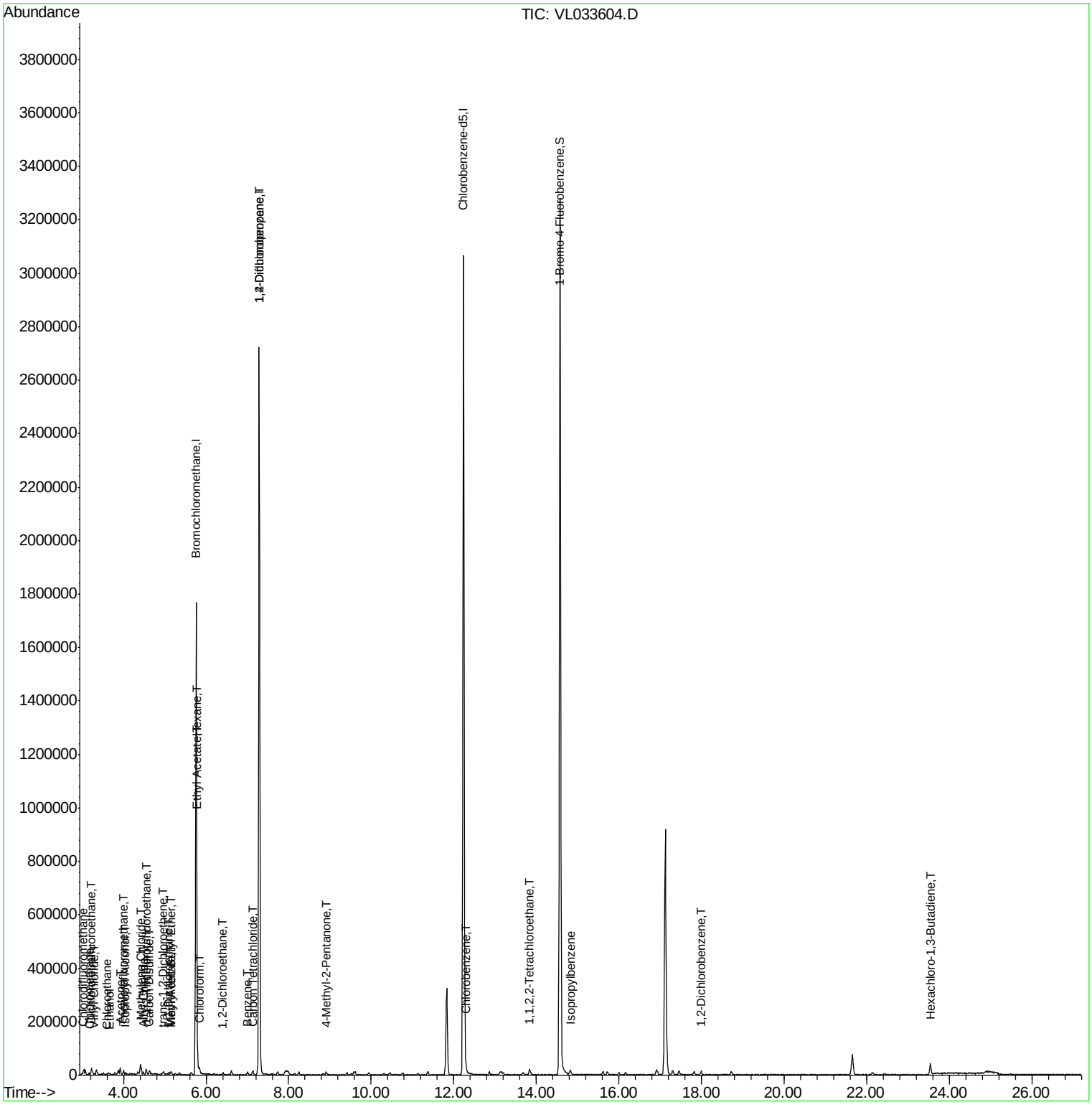
Data Path : Z:\VOASRV\HPCHEM1\MSVOA_L\DATA\VL041719\

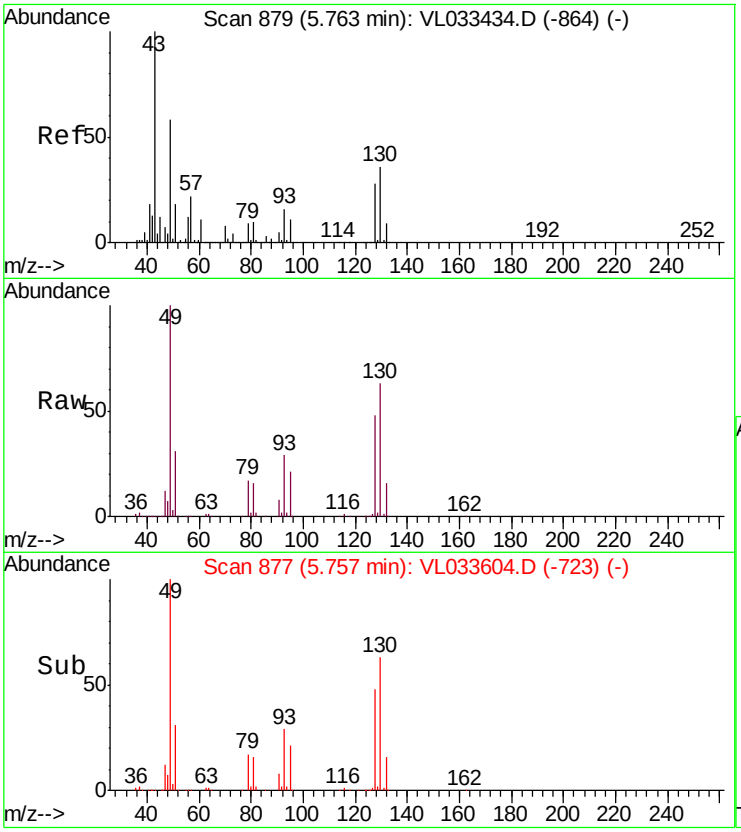
Quantitation Report (Not Reviewed)

Data File : VL033604.D
Acq On : 17 Apr 2019 16:15
Operator : SY/AP
Sample : K2241-14 0.06 PPB
Misc : 400ml/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_L
ClientSampleId :
LOQ-AIR-02-QT2-2019

Quant Time: Apr 18 05:39:28 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL032519AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LTue Mar 26 16:00:50 2019
QLast Update : Tue Mar 26 16:00:50 2019
Response via : Initial Calibration



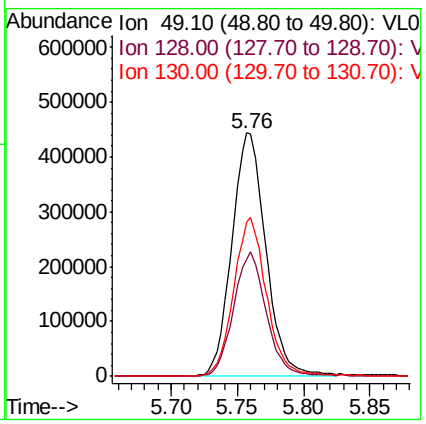


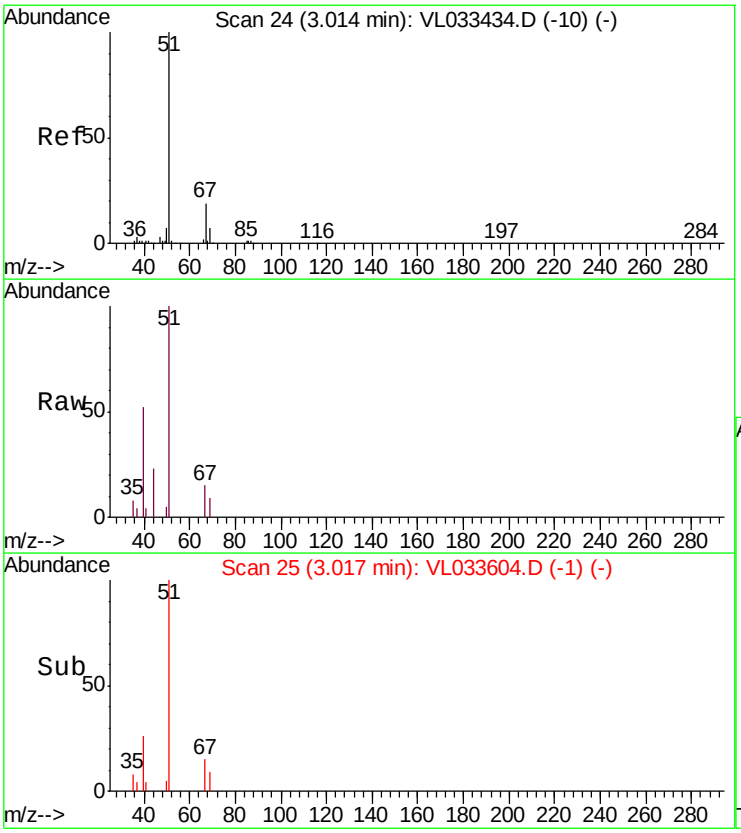
#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 5.76 min Scan# 877
Delta R.T. -0.01 min
Lab File: VL033604.D
Acq: 17 Apr 2019 16:15

Instrument :
MSVOA_L
ClientSampleId :
LOQ-AIR-02-QT2-2019

Tgt Ion: 49 Resp: 791470

Ion	Ratio	Lower	Upper
49	100		
128	49.5	24.0	72.0
130	63.6	31.2	93.6

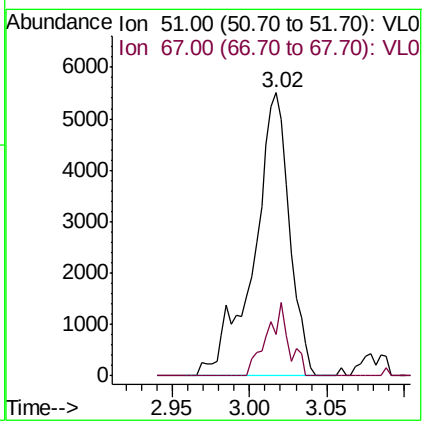


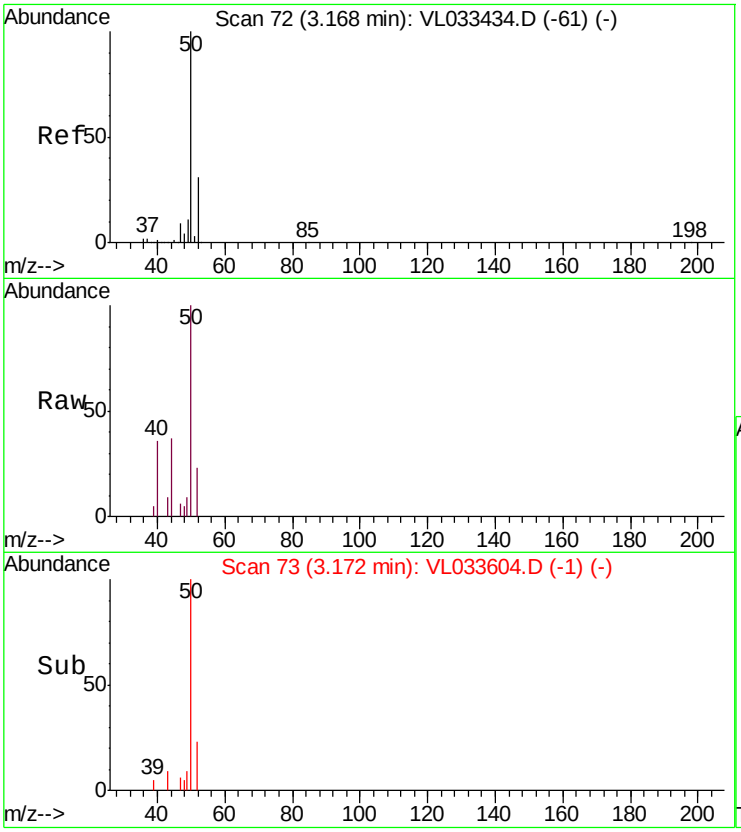


#3
Chlorodifluoromethane
Concen: 0.097 ppbv
RT: 3.02 min Scan# 25
Delta R.T. 0.00 min
Lab File: VL033604.D
Acq: 17 Apr 2019 16:15

Tgt Ion: 51 Resp: 8803

Ion	Ratio	Lower	Upper
51	100		
67	16.1	15.7	23.5



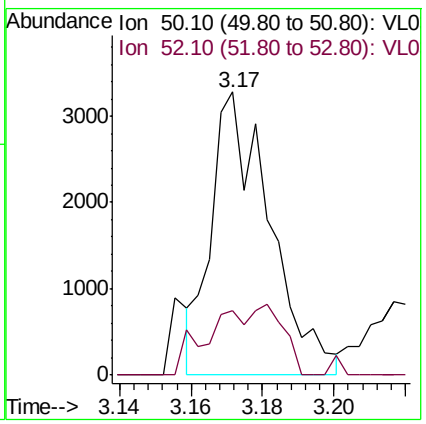


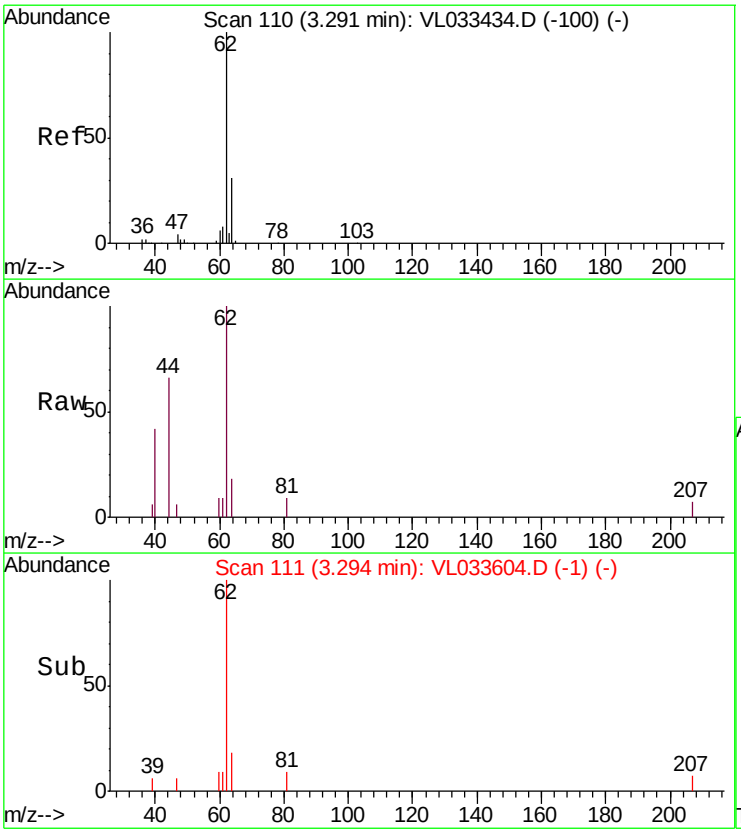
#4
Chloromethane
Concen: 0.077 ppbv
RT: 3.17 min Scan# 73
Delta R.T. 0.00 min
Lab File: VL033604.D
Acq: 17 Apr 2019 16:15

Instrument :
MSVOA_L
ClientSampleId :
LOQ-AIR-02-QT2-2019

Tgt Ion: 50 Resp: 3720

Ion	Ratio	Lower	Upper
50	100		
52	17.3	25.0	37.6#

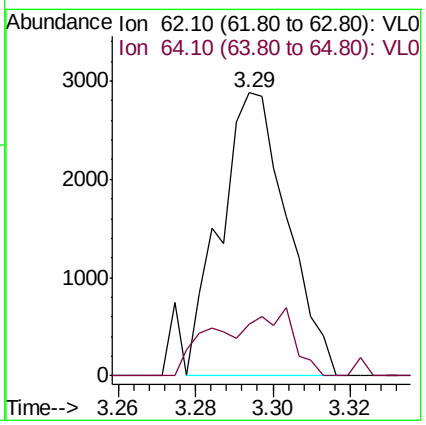


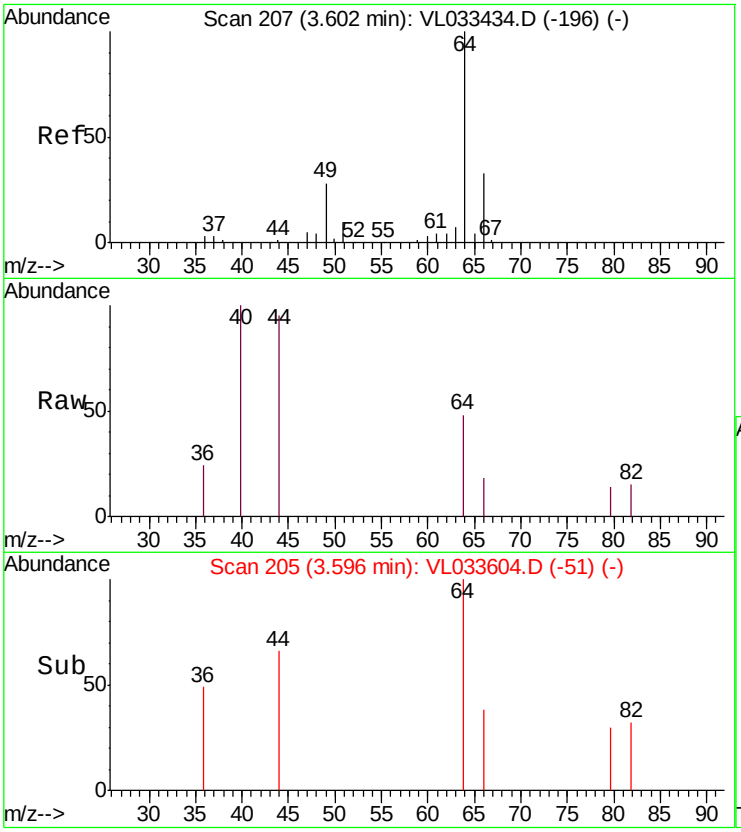


#5
Vinyl Chloride
Concen: 0.073 ppbv
RT: 3.29 min Scan# 111
Delta R.T. 0.00 min
Lab File: VL033604.D
Acq: 17 Apr 2019 16:15

Tgt Ion: 62 Resp: 3466

Ion	Ratio	Lower	Upper
62	100		
64	18.2	24.9	37.3#



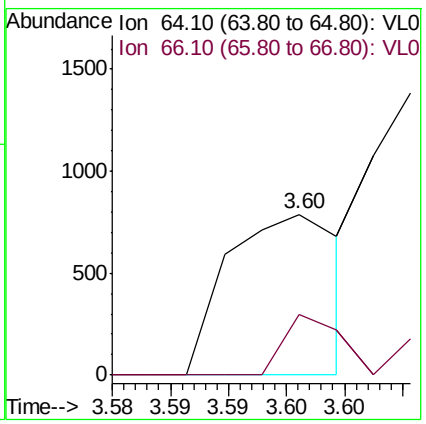


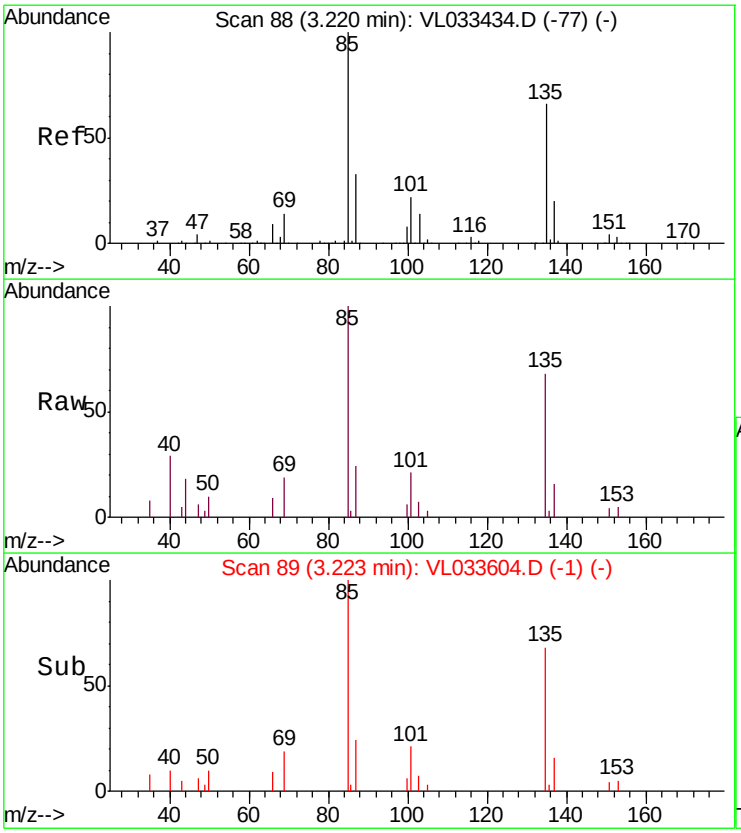
#7
Chloroethane
Concen: 0.030 ppbv
RT: 3.60 min Scan# 205
Delta R.T. -0.01 min
Lab File: VL033604.D
Acq: 17 Apr 2019 16:15

Instrument :
MSVOA_L
ClientSampleId :
LOQ-AIR-02-QT2-2019

Tgt Ion: 64 Resp: 535

Ion	Ratio	Lower	Upper
64	100		
66	37.6	26.7	40.1

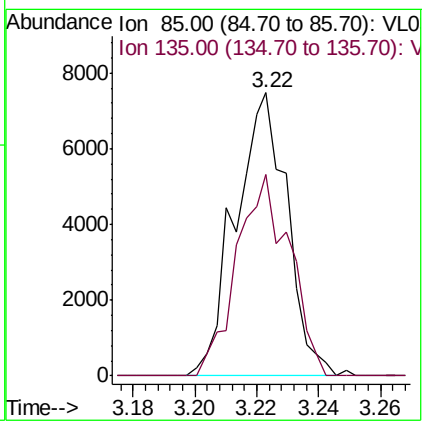


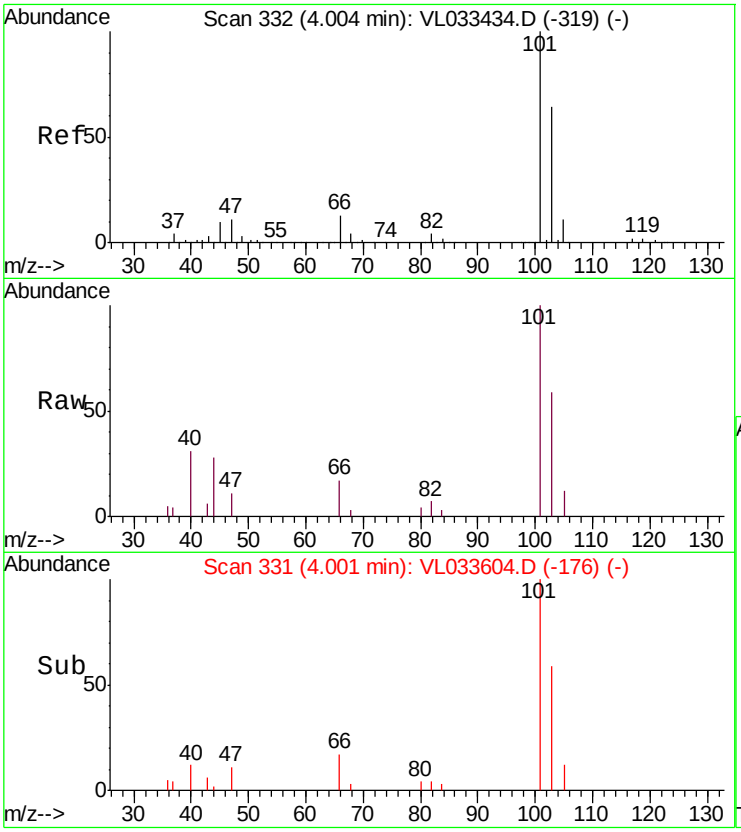


#8
Dichlorotetrafluoroethane
Concen: 0.071 ppbv
RT: 3.22 min Scan# 89
Delta R.T. 0.00 min
Lab File: VL033604.D
Acq: 17 Apr 2019 16:15

Tgt Ion: 85 Resp: 8686

Ion	Ratio	Lower	Upper
85	100		
135	72.3	54.0	81.0



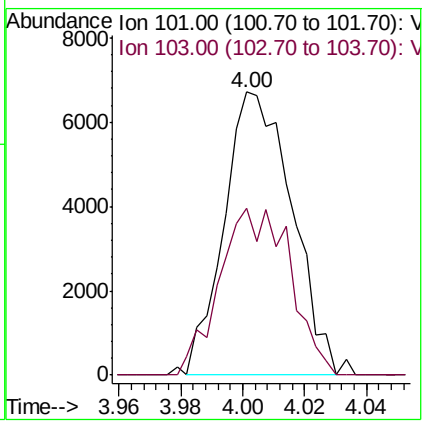


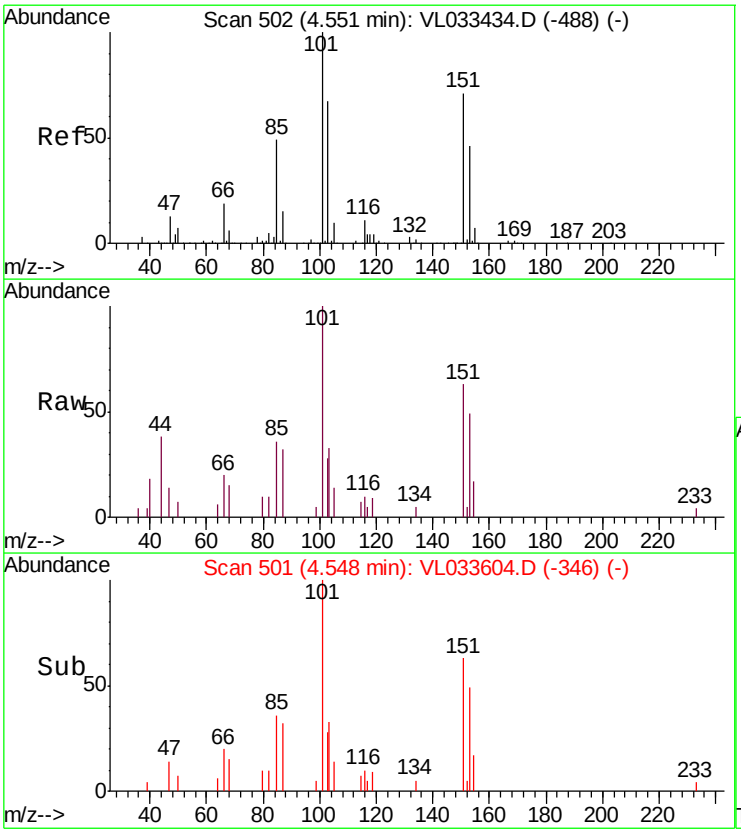
#11
Trichlorofluoromethane
Concen: 0.072 ppbv
RT: 4.00 min Scan# 331
Delta R.T. -0.00 min
Lab File: VL033604.D
Acq: 17 Apr 2019 16:15

Instrument :
MSVOA_L
ClientSampleId :
LOQ-AIR-02-QT2-2019

Tgt Ion:101 Resp: 10200

Ion	Ratio	Lower	Upper
101	100		
103	59.2	51.3	76.9

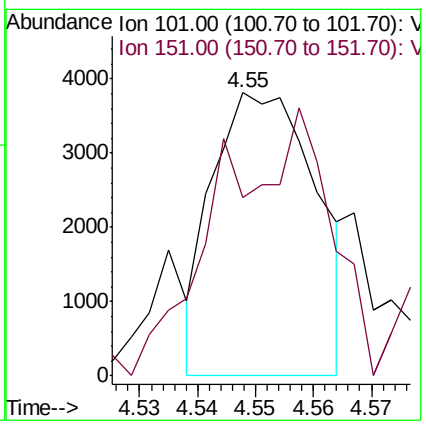


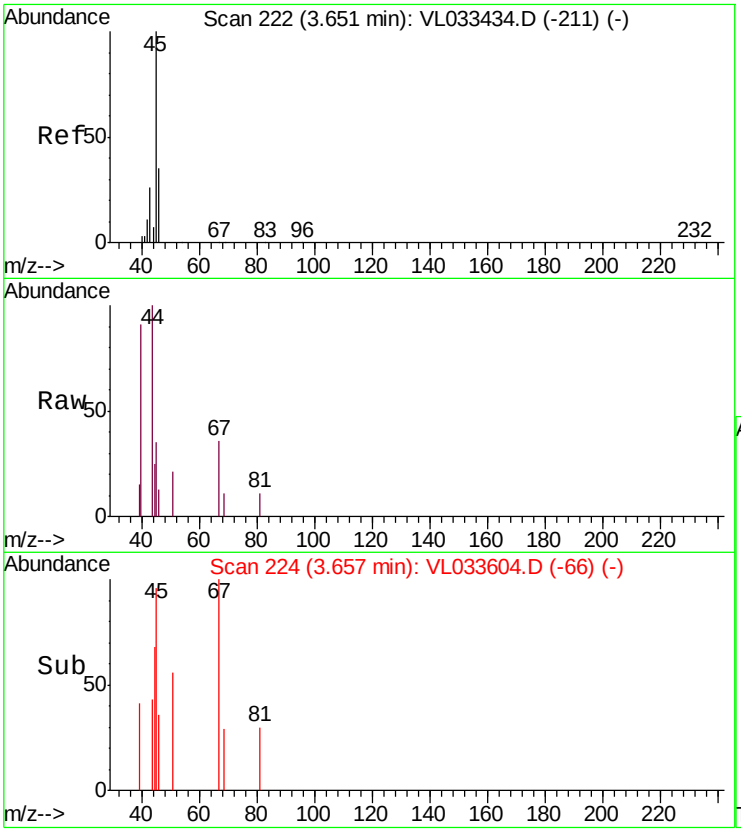


#12
1,1,2-Trichlorotrifluoroethane
Concen: 0.049 ppbv
RT: 4.55 min Scan# 501
Delta R.T. -0.00 min
Lab File: VL033604.D
Acq: 17 Apr 2019 16:15

Tgt Ion:101 Resp: 4719

Ion	Ratio	Lower	Upper
101	100		
151	0.0	57.7	86.5#



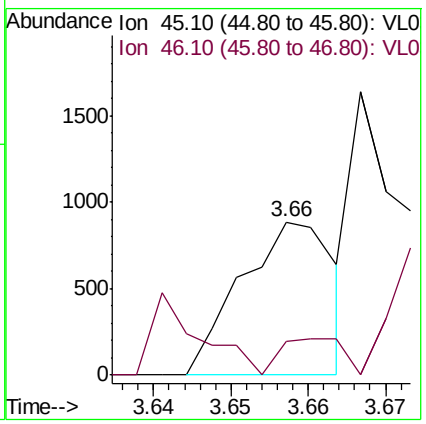


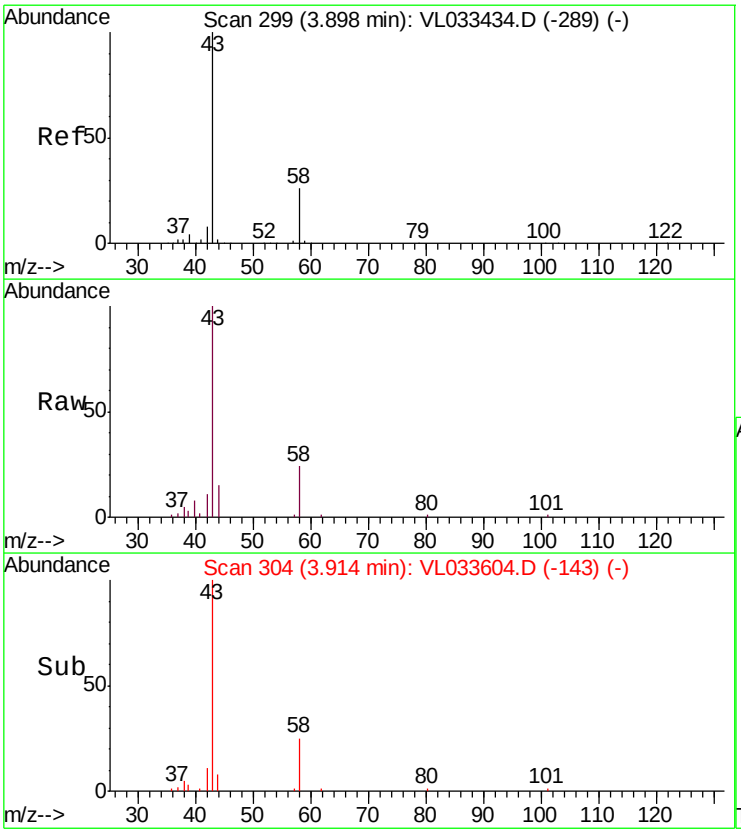
#13
Ethanol
Concen: 0.075 ppbv
RT: 3.66 min Scan# 224
Delta R.T. 0.01 min
Lab File: VL033604.D
Acq: 17 Apr 2019 16:15

Instrument :
MSVOA_L
ClientSampleId :
LOQ-AIR-02-QT2-2019

Tgt Ion: 45 Resp: 740

Ion	Ratio	Lower	Upper
45	100		
46	0.0	25.4	101.8#

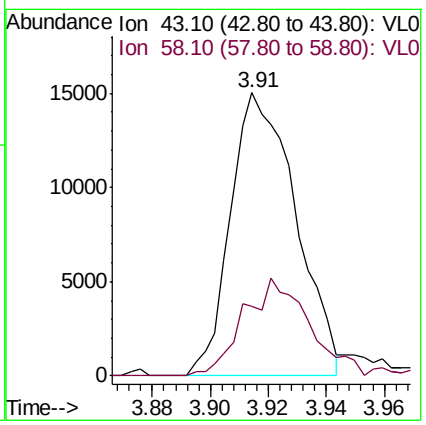


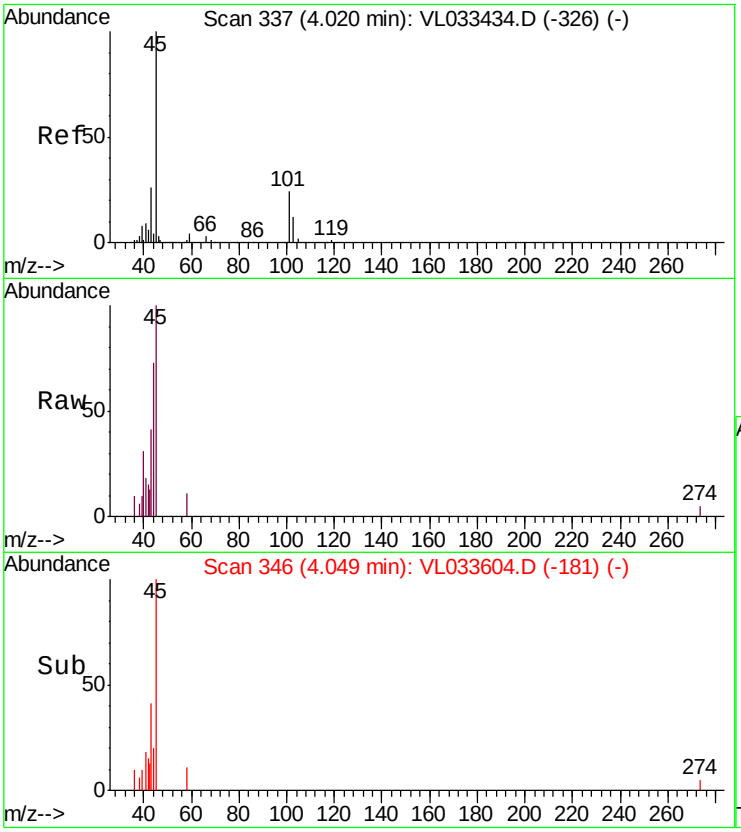


#15
Acetone
Concen: 0.246 ppbv
RT: 3.91 min Scan# 304
Delta R.T. 0.02 min
Lab File: VL033604.D
Acq: 17 Apr 2019 16:15

Tgt Ion: 43 Resp: 23430

Ion	Ratio	Lower	Upper
43	100		
58	36.2	20.5	30.7#



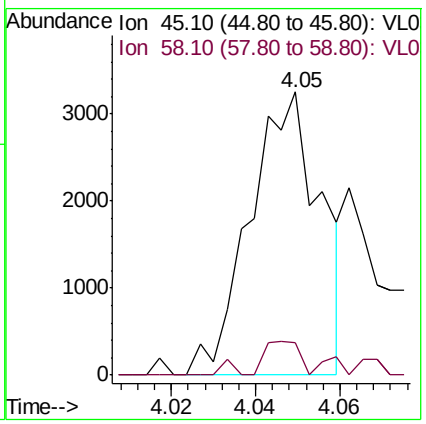


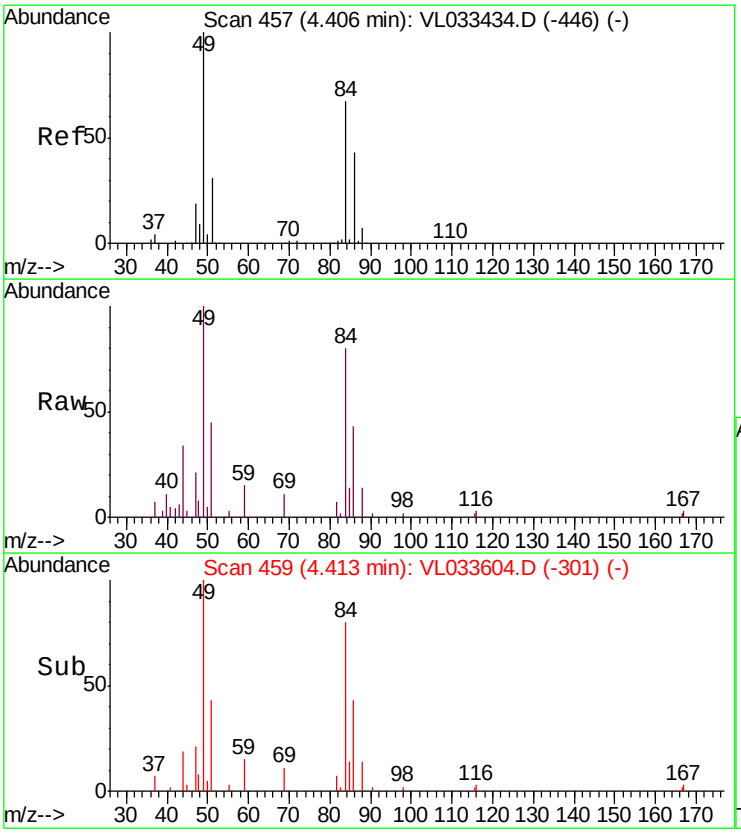
#19
Isopropyl Alcohol
Concen: 0.063 ppbv
RT: 4.05 min Scan# 346
Delta R.T. 0.03 min
Lab File: VL033604.D
Acq: 17 Apr 2019 16:15

Instrument :
MSVOA_L
ClientSampleId :
LOQ-AIR-02-QT2-2019

Tgt Ion: 45 Resp: 3780

Ion	Ratio	Lower	Upper
45	100		
58	11.2	1.4	2.2#

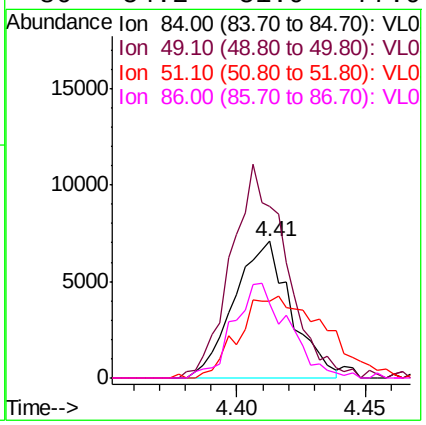


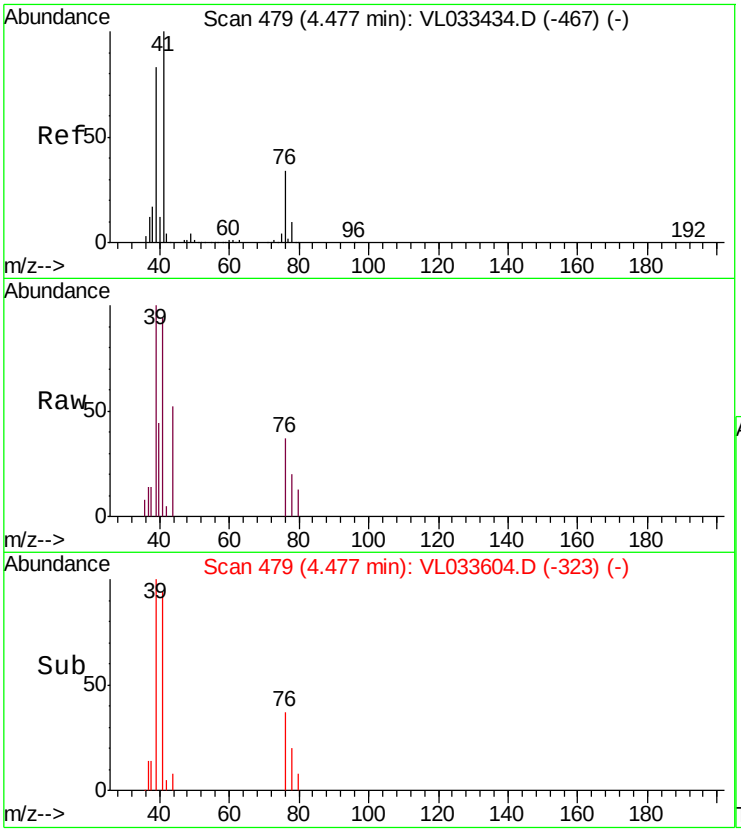


#20
Methylene Chloride
Concen: 0.271 ppbv
RT: 4.41 min Scan# 459
Delta R.T. 0.01 min
Lab File: VL033604.D
Acq: 17 Apr 2019 16:15

Tgt Ion: 84 Resp: 10945

Ion	Ratio	Lower	Upper
84	100		
49	120.7	120.0	180.0
51	56.3	36.7	55.1#
86	54.2	51.9	77.9



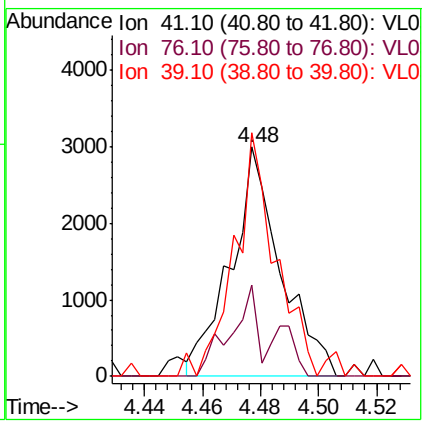


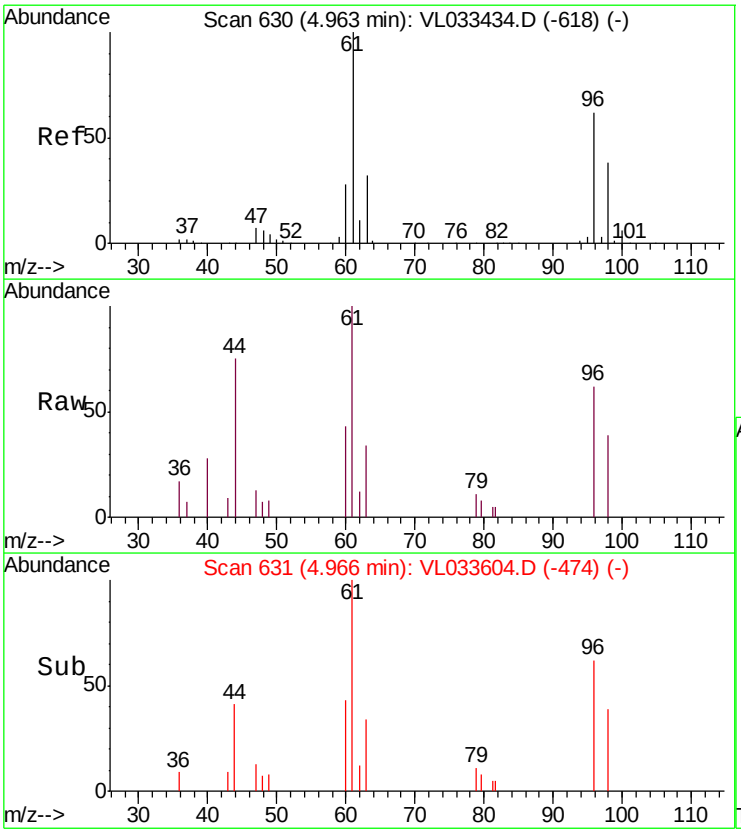
#21
Allyl Chloride
Concen: 0.060 ppbv
RT: 4.48 min Scan# 479
Delta R.T. 0.00 min
Lab File: VL033604.D
Acq: 17 Apr 2019 16:15

Instrument :
MSVOA_L
ClientSampleId :
LOQ-AIR-02-QT2-2019

Tgt Ion: 41 Resp: 3585

Ion	Ratio	Lower	Upper
41	100		
76	31.3	25.4	38.2
39	92.6	65.3	97.9

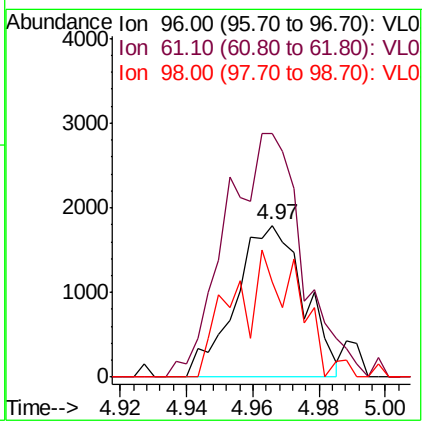


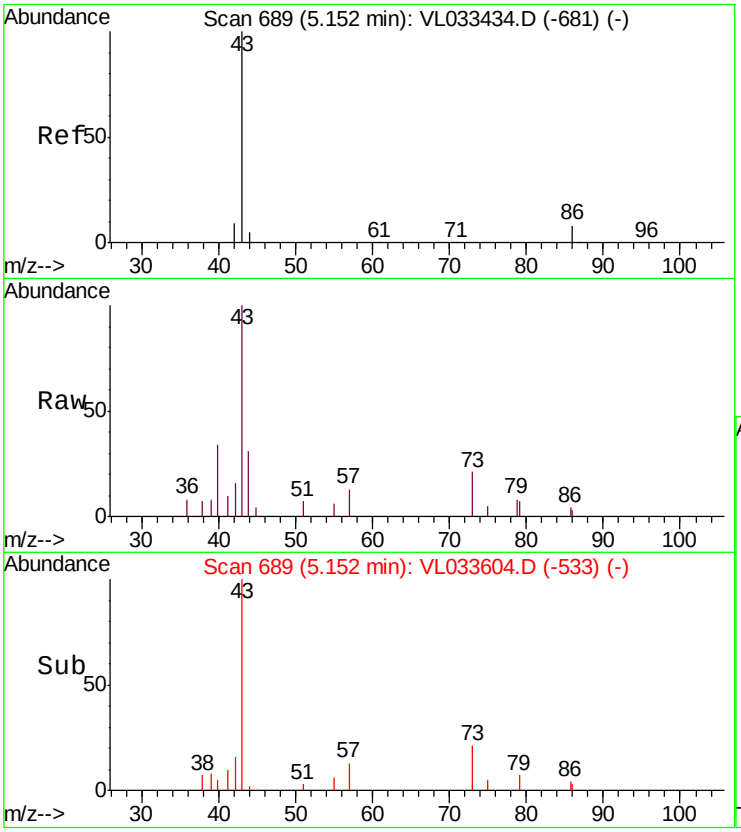


#22
trans-1,2-Dichloroethene
Concen: 0.060 ppbv
RT: 4.97 min Scan# 631
Delta R.T. 0.00 min
Lab File: VL033604.D
Acq: 17 Apr 2019 16:15

Tgt Ion: 96 Resp: 2565

Ion	Ratio	Lower	Upper
96	100		
61	151.7	128.9	193.3
98	63.1	49.5	74.3



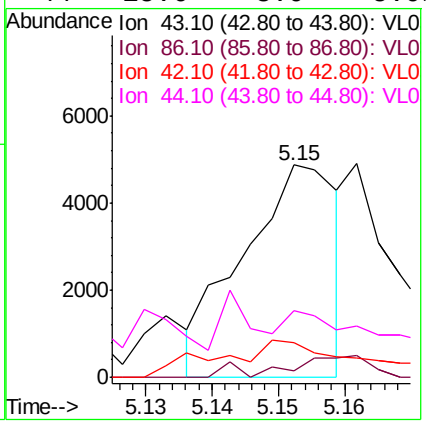


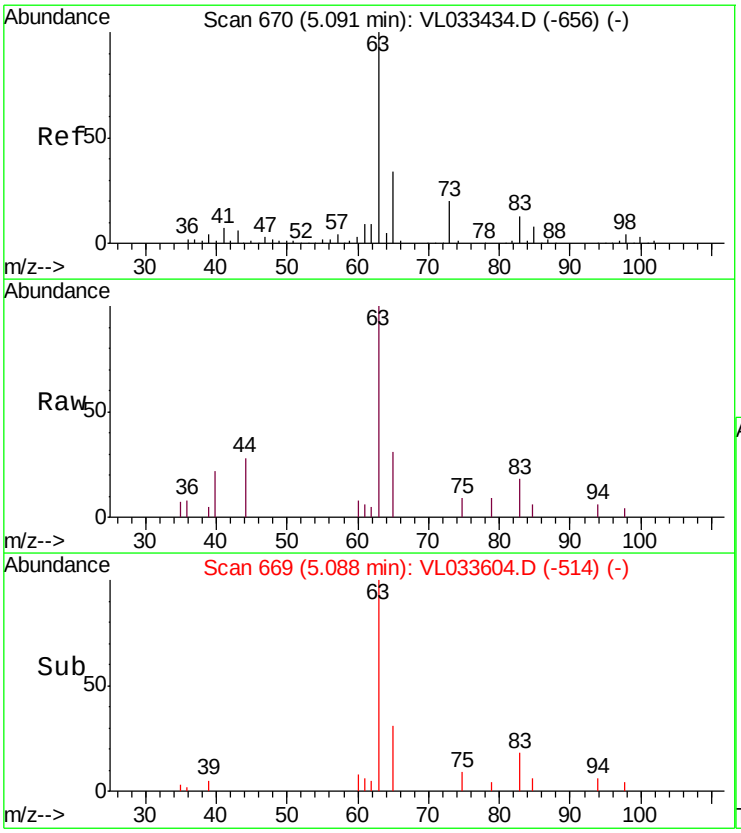
#23
Vinyl Acetate
Concen: 0.036 ppbv
RT: 5.15 min Scan# 689
Delta R.T. 0.00 min
Lab File: VL033604.D
Acq: 17 Apr 2019 16:15

Instrument : MSVOA_L
ClientSampleId : LOQ-AIR-02-QT2-2019

Tgt Ion: 43 Resp: 4828

Ion	Ratio	Lower	Upper
43	100		
86	4.2	5.6	8.4#
42	8.7	8.0	12.0
44	15.6	3.9	5.9#

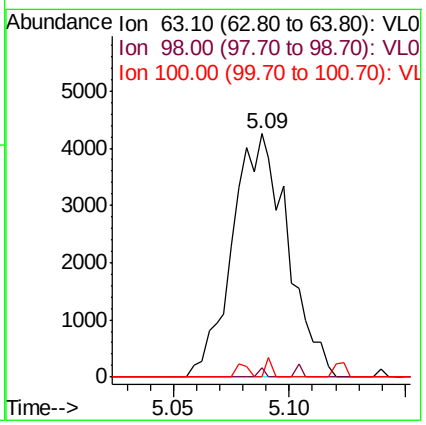


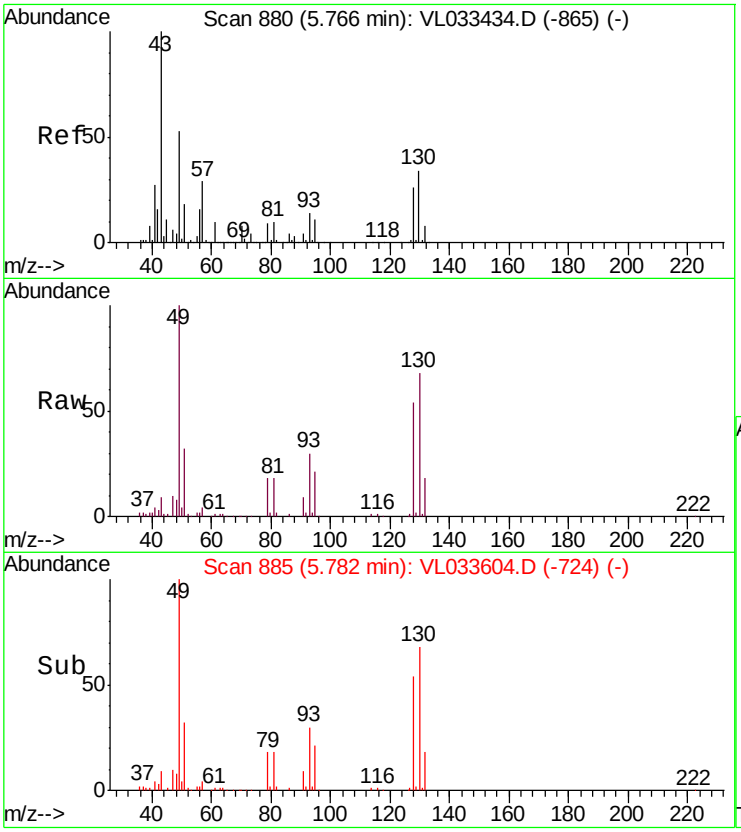


#24
1,1-Dichloroethane
Concen: 0.068 ppbv
RT: 5.09 min Scan# 669
Delta R.T. -0.00 min
Lab File: VL033604.D
Acq: 17 Apr 2019 16:15

Tgt Ion: 63 Resp: 7041

Ion	Ratio	Lower	Upper
63	100		
98	4.0	2.2	6.6
100	0.0	1.5	4.4#



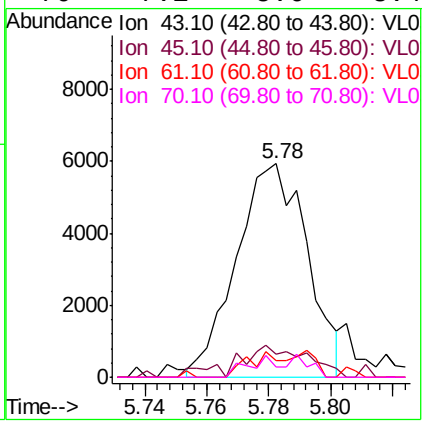


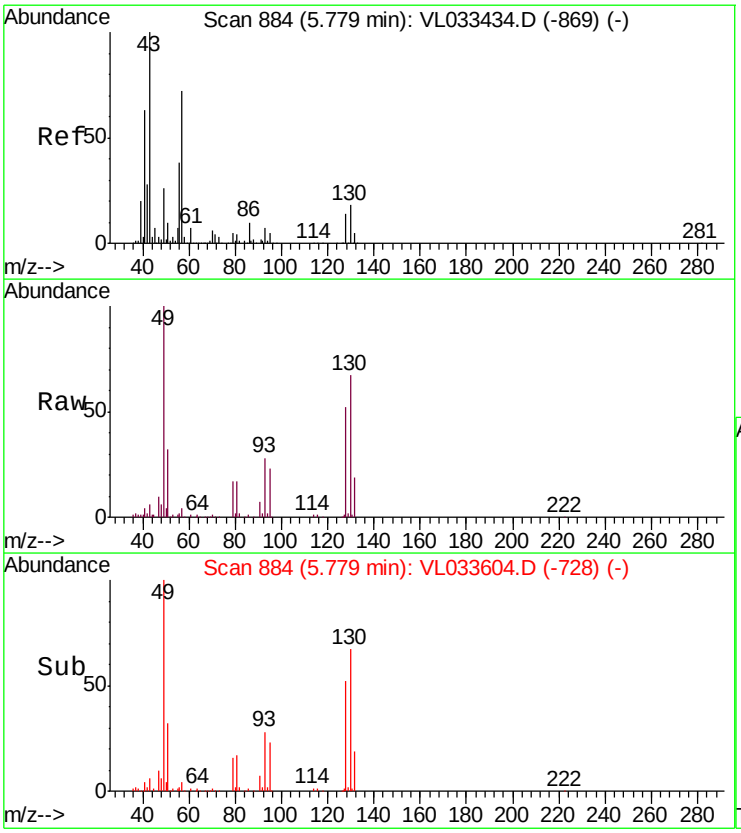
#25
Ethyl Acetate
Concen: 0.053 ppbv
RT: 5.78 min Scan# 885
Delta R.T. 0.02 min
Lab File: VL033604.D
Acq: 17 Apr 2019 16:15

Instrument : MSVOA_L
ClientSampleId : LOQ-AIR-02-QT2-2019

Tgt Ion: 43 Resp: 9421

Ion	Ratio	Lower	Upper
43	100		
45	16.0	7.8	11.6#
61	10.9	7.3	10.9
70	7.1	5.6	8.4

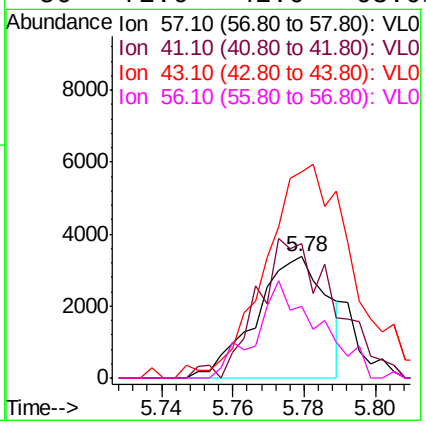


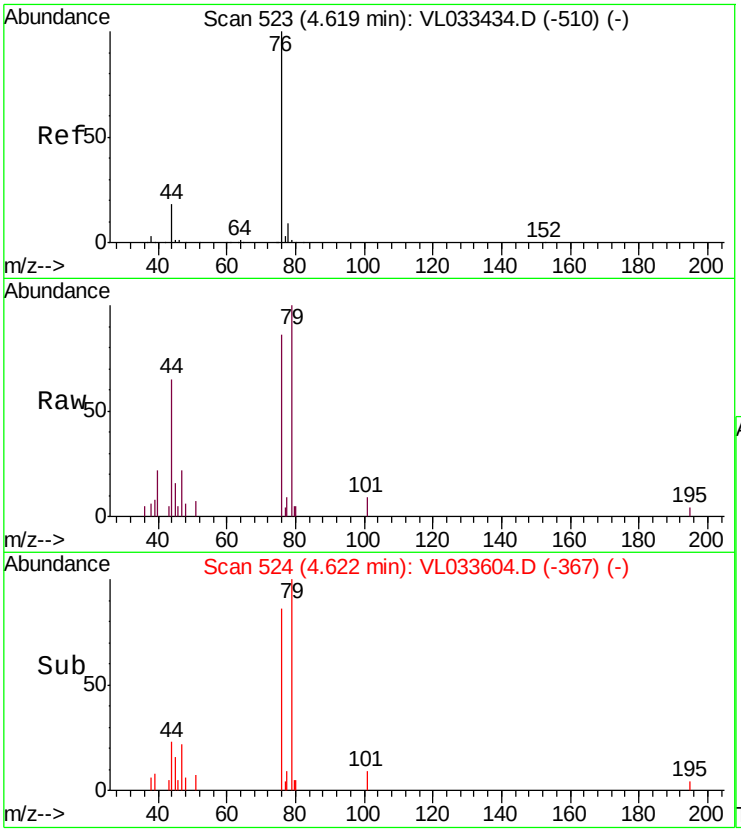


#26
Hexane
Concen: 0.059 ppbv
RT: 5.78 min Scan# 884
Delta R.T. 0.00 min
Lab File: VL033604.D
Acq: 17 Apr 2019 16:15

Tgt Ion: 57 Resp: 4597

Ion	Ratio	Lower	Upper
57	100		
41	126.8	70.7	106.1#
43	231.7	182.6	274.0
56	72.6	42.0	63.0#



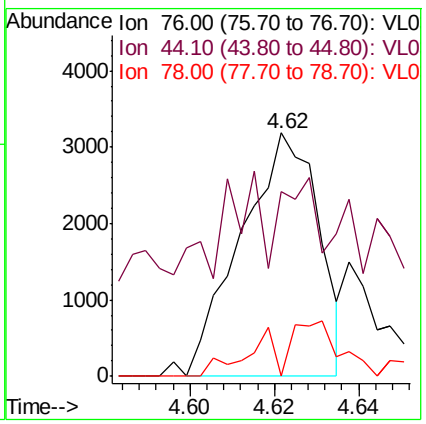


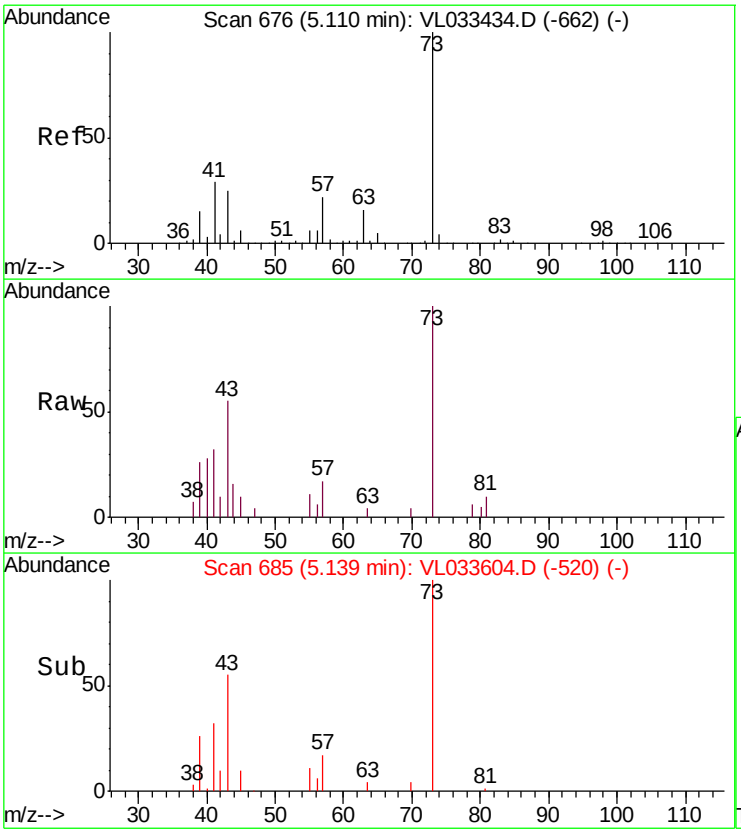
#27
Carbon Disulfide
Concen: 0.043 ppbv
RT: 4.62 min Scan# 524
Delta R.T. 0.00 min
Lab File: VL033604.D
Acq: 17 Apr 2019 16:15

Instrument : MSVOA_L
ClientSampleId : LOQ-AIR-02-QT2-2019

Tgt Ion: 76 Resp: 4058

Ion	Ratio	Lower	Upper
76	100		
44	94.8	14.8	22.2#
78	0.0	7.6	11.4#

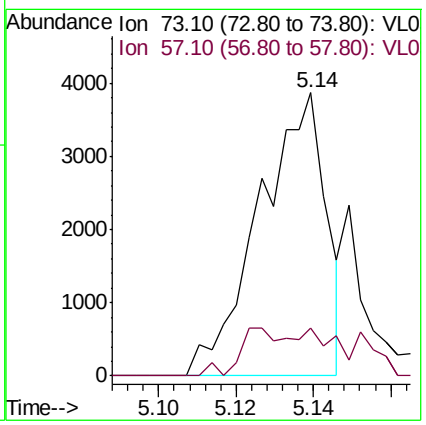


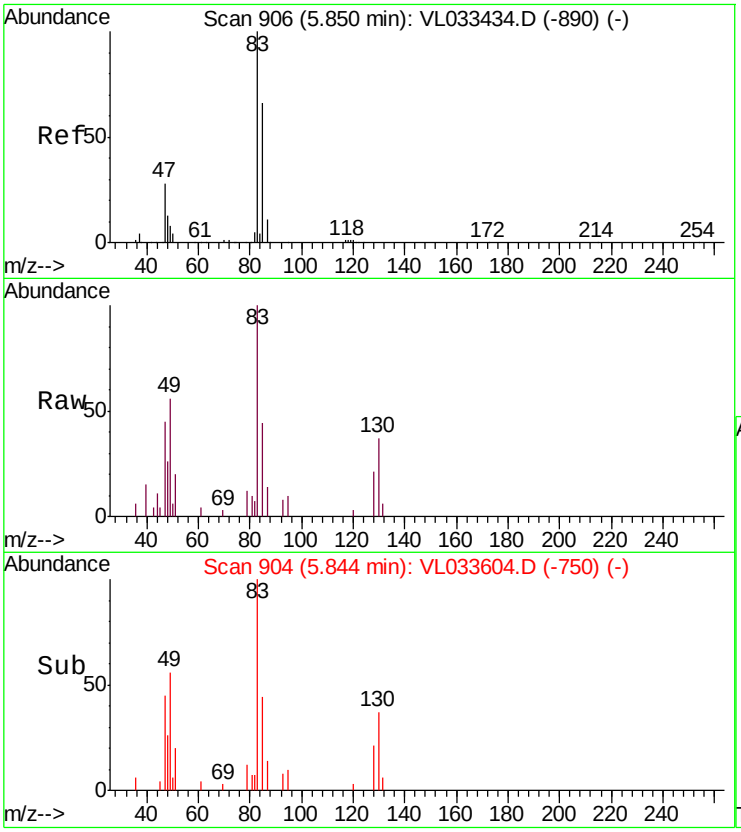


#28
Methyl tert-Butyl Ether
Concen: 0.041 ppbv
RT: 5.14 min Scan# 685
Delta R.T. 0.03 min
Lab File: VL033604.D
Acq: 17 Apr 2019 16:15

Tgt Ion: 73 Resp: 4631

Ion	Ratio	Lower	Upper
73	100		
57	25.9	17.4	26.2



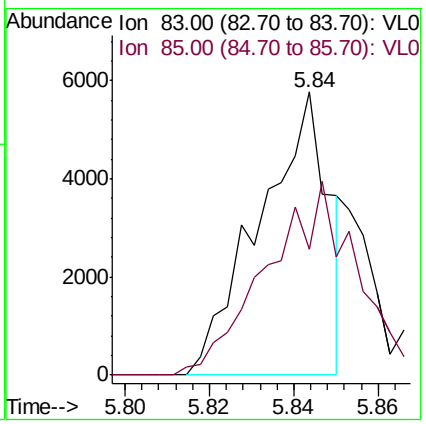


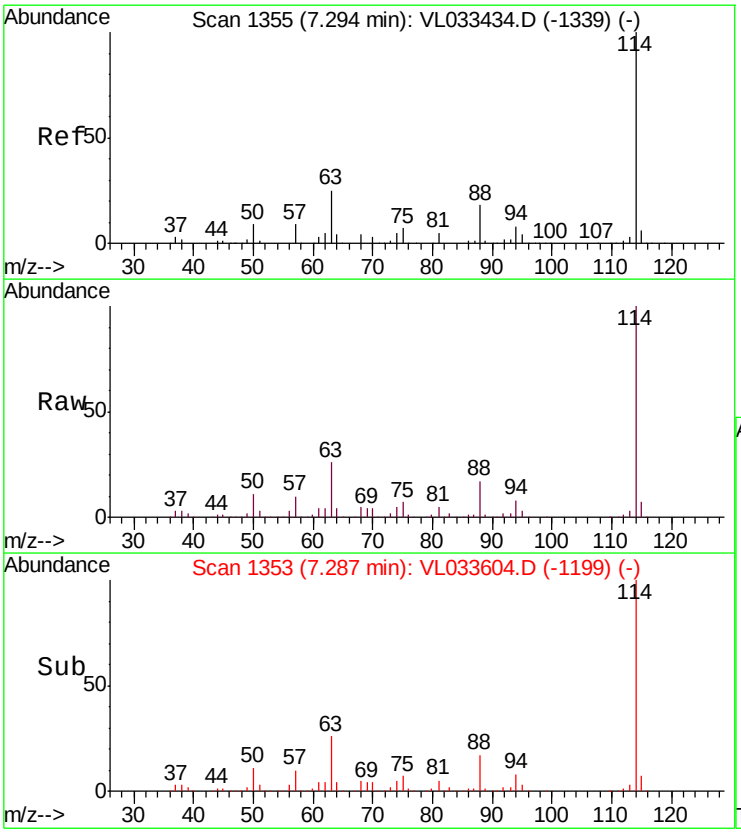
#29
Chloroform
Concen: 0.049 ppbv
RT: 5.84 min Scan# 904
Delta R.T. -0.01 min
Lab File: VL033604.D
Acq: 17 Apr 2019 16:15

Instrument :
MSVOA_L
ClientSampleId :
LOQ-AIR-02-QT2-2019

Tgt Ion: 83 Resp: 6551

Ion	Ratio	Lower	Upper
83	100		
85	41.7	52.6	79.0#

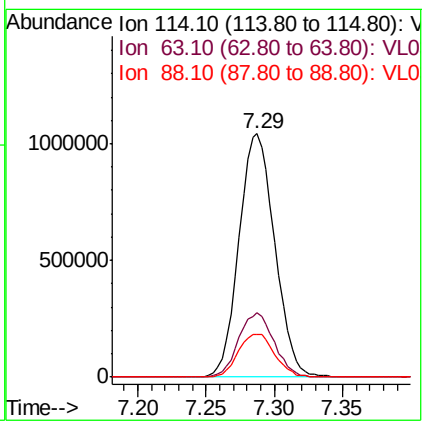


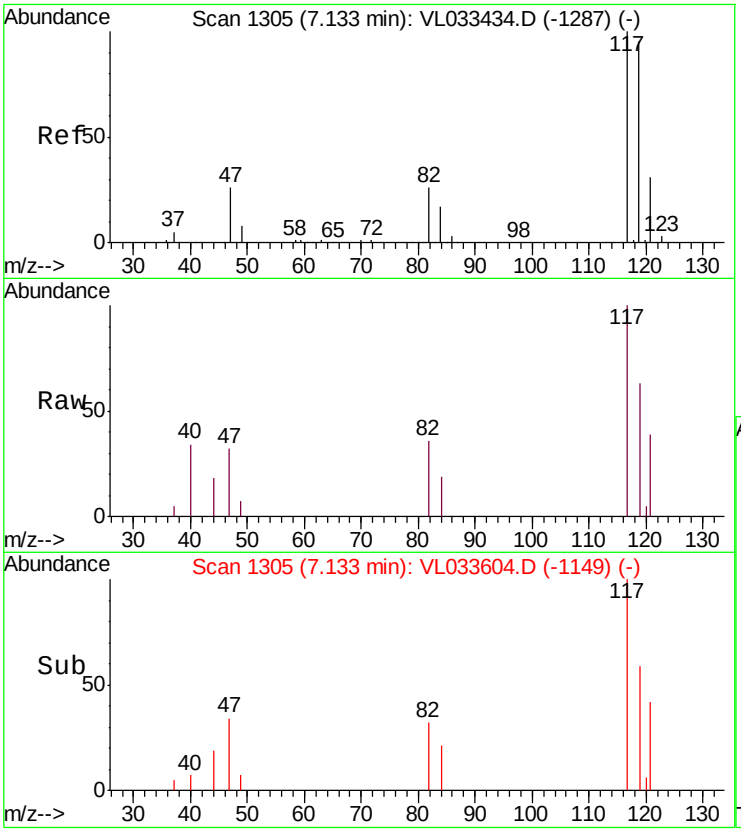


#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 7.29 min Scan# 1353
Delta R.T. -0.01 min
Lab File: VL033604.D
Acq: 17 Apr 2019 16:15

Tgt Ion:114 Resp: 1896060

Ion	Ratio	Lower	Upper
114	100		
63	26.4	21.5	32.3
88	18.1	14.5	21.7



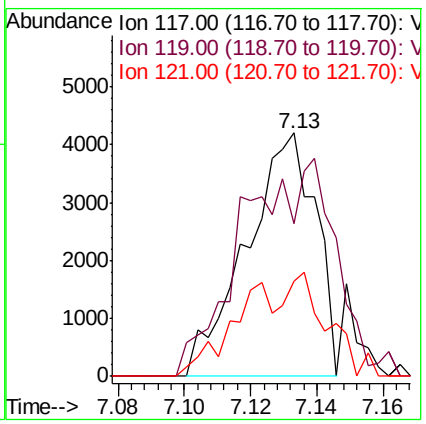


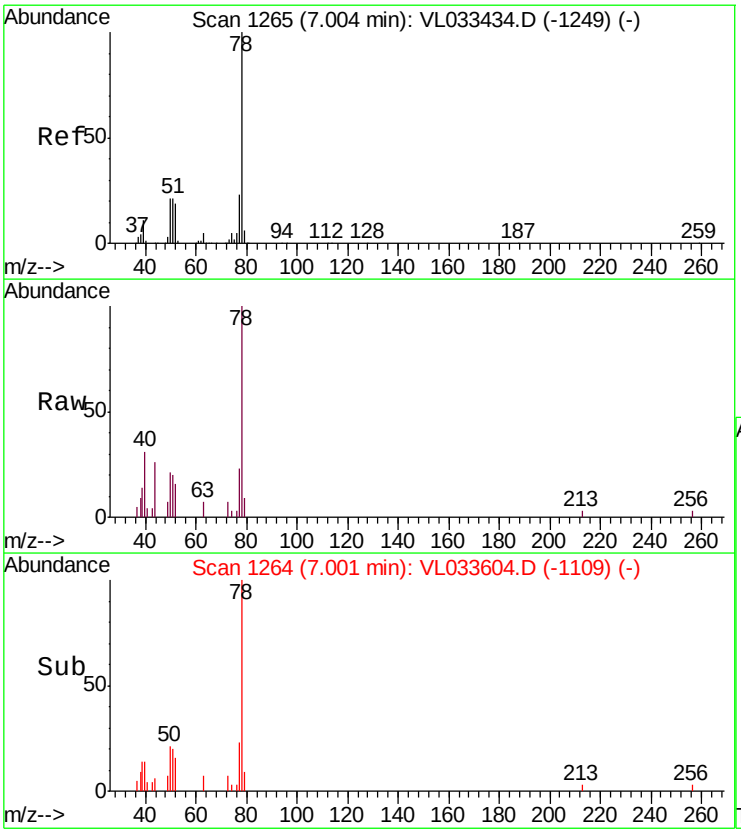
#35
Carbon Tetrachloride
Concen: 0.045 ppbv
RT: 7.13 min Scan# 1305
Delta R.T. 0.00 min
Lab File: VL033604.D
Acq: 17 Apr 2019 16:15

Instrument :
MSVOA_L
ClientSampleId :
LOQ-AIR-02-QT2-2019

Tgt Ion:117 Resp: 6106

Ion	Ratio	Lower	Upper
117	100		
119	48.5	75.8	113.8#
121	35.5	24.7	37.1

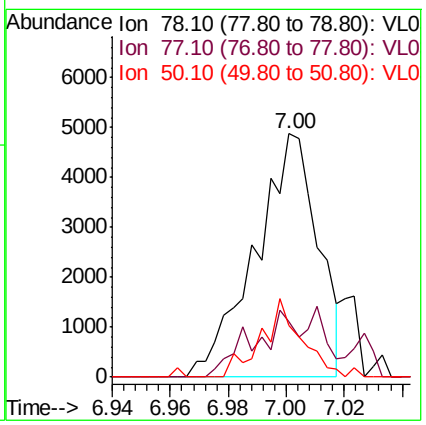


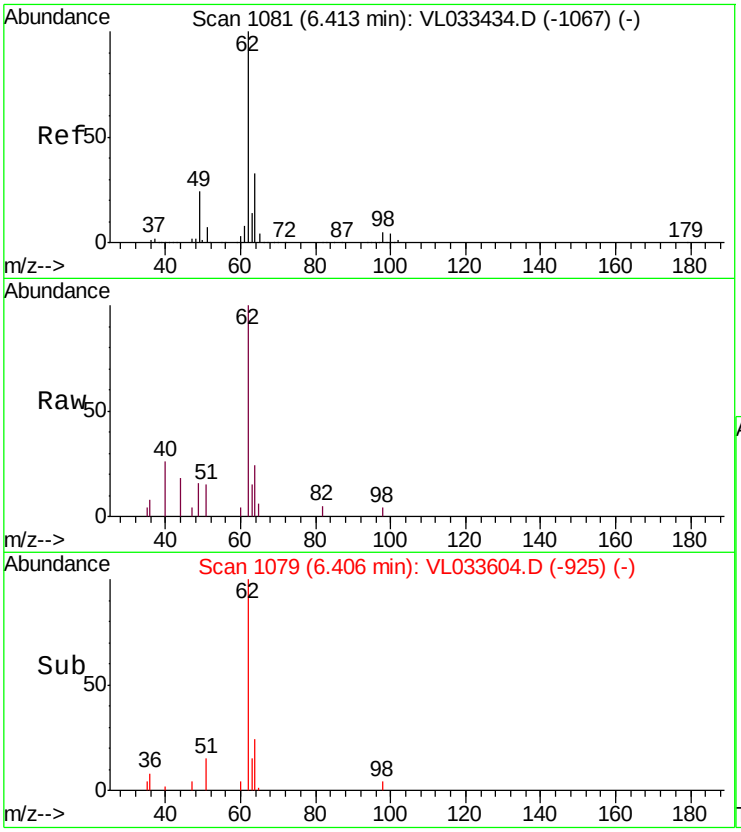


#36
Benzene
Concen: 0.046 ppbv
RT: 7.00 min Scan# 1264
Delta R.T. -0.00 min
Lab File: VL033604.D
Acq: 17 Apr 2019 16:15

Tgt Ion: 78 Resp: 7324

Ion	Ratio	Lower	Upper
78	100		
77	22.6	18.1	27.1
50	21.1	16.7	25.1



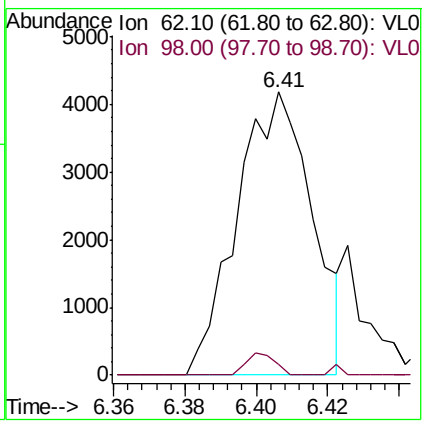


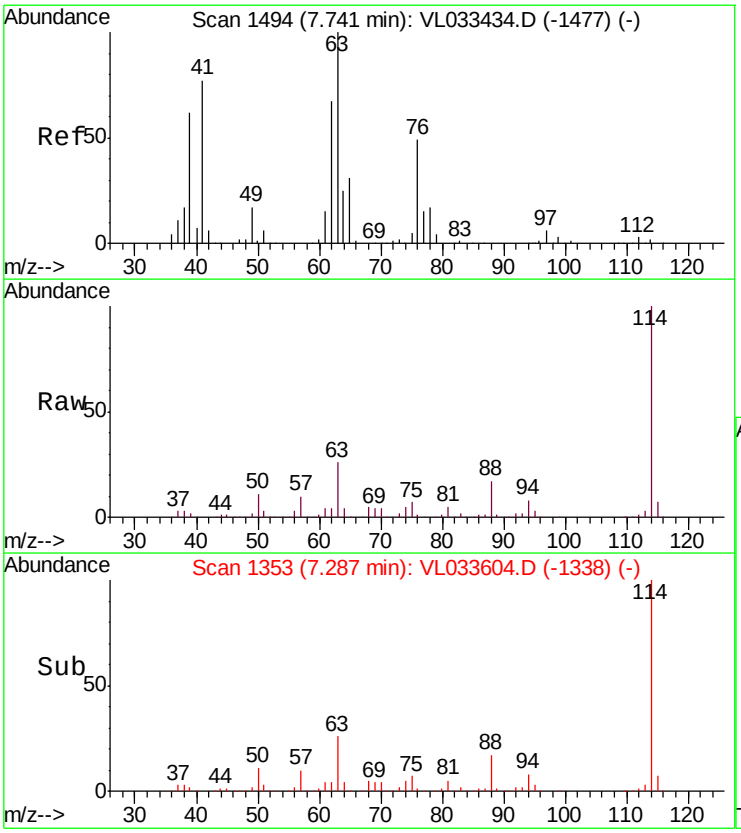
#37
1,2-Dichloroethane
Concen: 0.057 ppbv
RT: 6.41 min Scan# 1079
Delta R.T. -0.01 min
Lab File: VL033604.D
Acq: 17 Apr 2019 16:15

Instrument : MSVOA_L
ClientSampleId : LOQ-AIR-02-QT2-2019

Tgt Ion: 62 Resp: 6073

Ion	Ratio	Lower	Upper
62	100		
98	3.0	4.4	6.6#

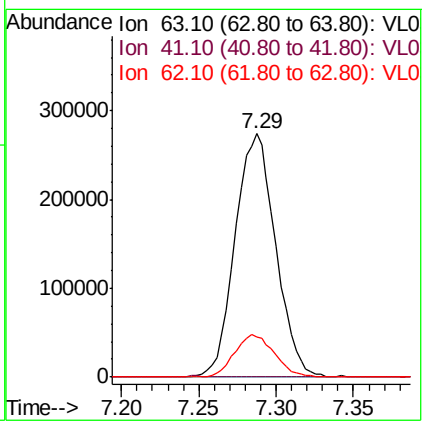


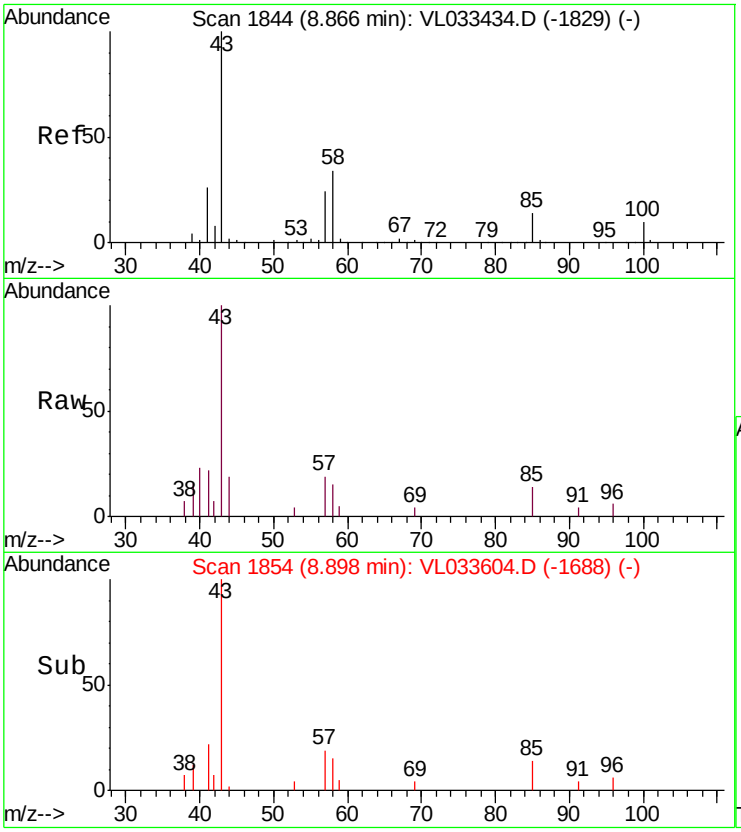


#39
1,2-Dichloropropane
Concen: 7.990 ppbv
RT: 7.29 min Scan# 1353
Delta R.T. -0.45 min
Lab File: VL033604.D
Acq: 17 Apr 2019 16:15

Tgt Ion: 63 Resp: 497927

Ion	Ratio	Lower	Upper
63	100		
41	0.0	61.2	91.8#
62	16.3	54.0	81.0#



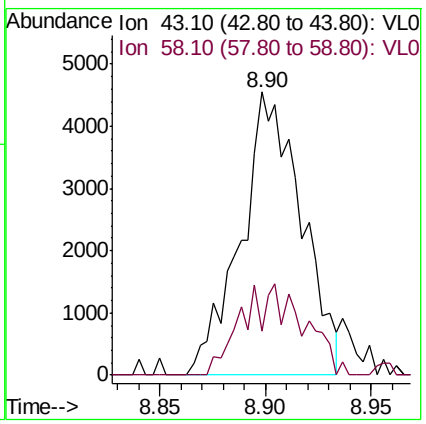


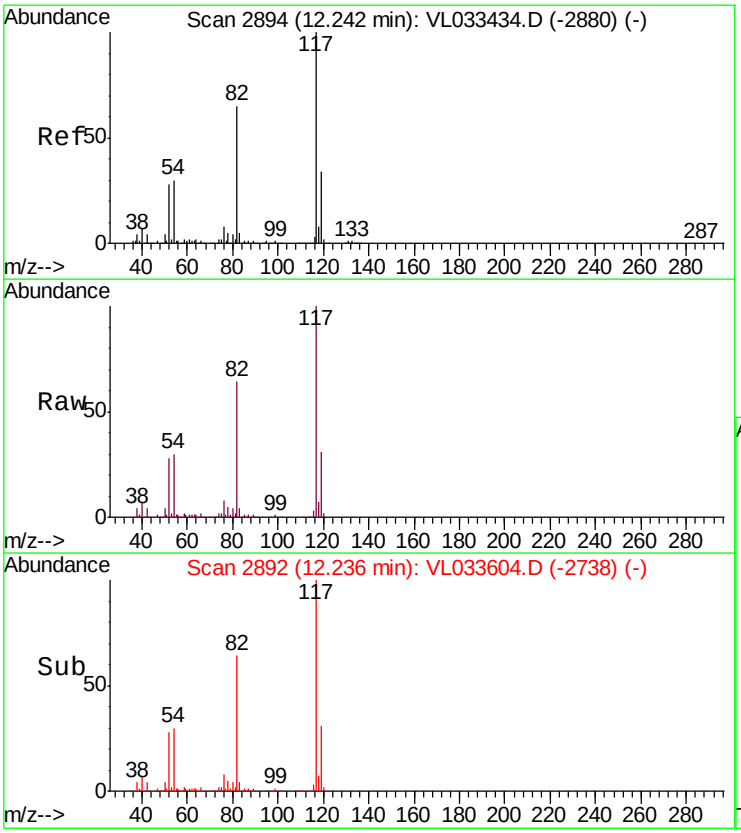
#50
4-Methyl-2-Pentanone
Concen: 0.055 ppbv
RT: 8.90 min Scan# 1854
Delta R.T. 0.03 min
Lab File: VL033604.D
Acq: 17 Apr 2019 16:15

Instrument :
MSVOA_L
ClientSampleId :
LOQ-AIR-02-QT2-2019

Tgt Ion: 43 Resp: 9110

Ion	Ratio	Lower	Upper
43	100		
58	33.5	28.0	42.0

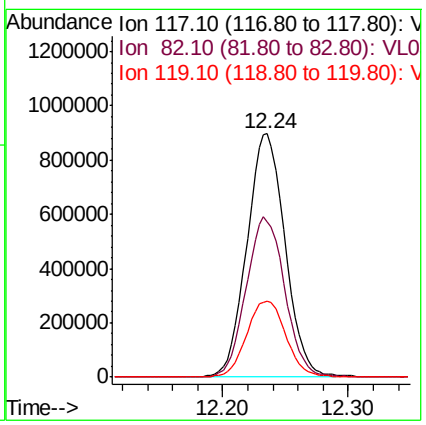


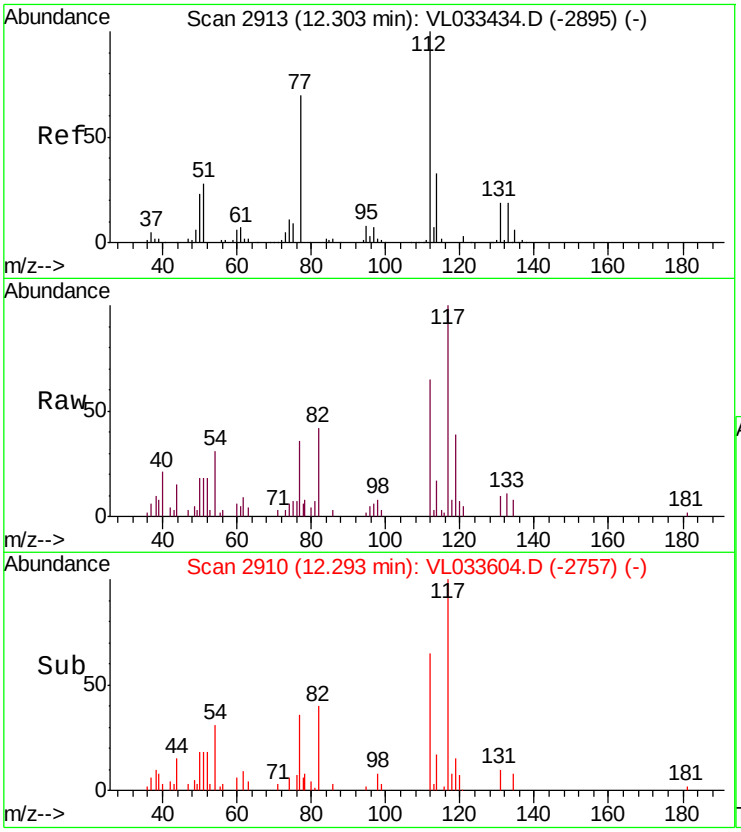


#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 12.24 min Scan# 2892
Delta R.T. -0.01 min
Lab File: VL033604.D
Acq: 17 Apr 2019 16:15

Tgt Ion:117 Resp: 1900812

Ion	Ratio	Lower	Upper
117	100		
82	66.9	51.5	77.3
119	32.3	25.5	38.3



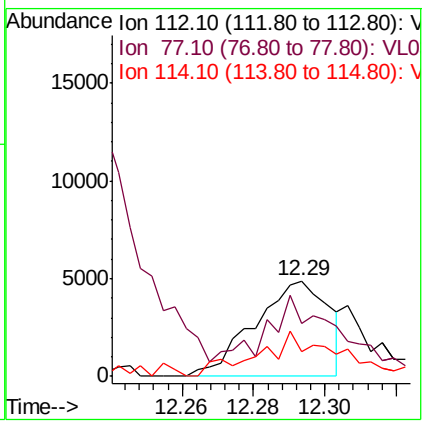


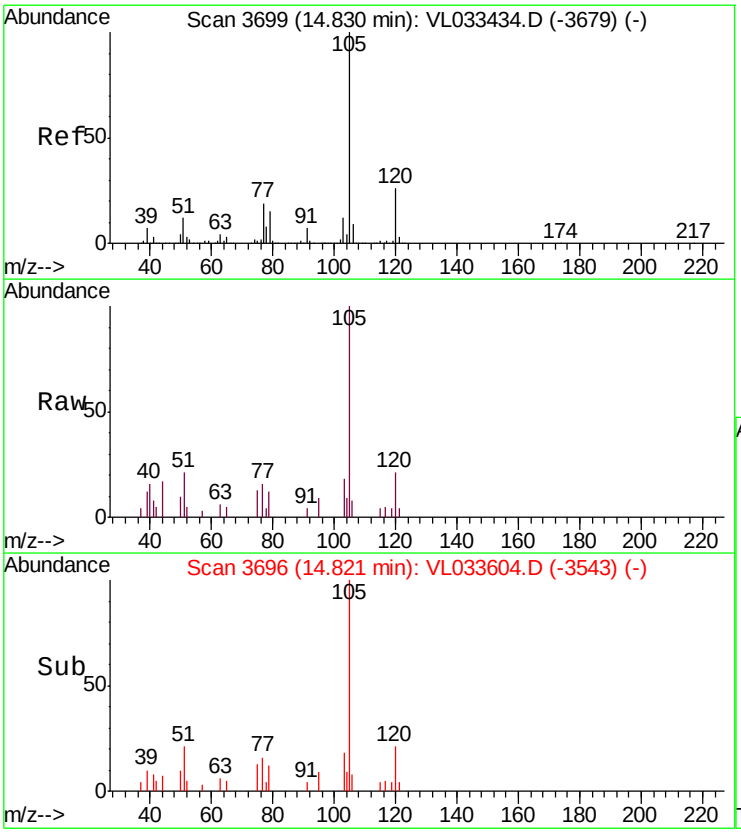
#57
Chlorobenzene
Concen: 0.048 ppbv
RT: 12.29 min Scan# 2910
Delta R.T. -0.01 min
Lab File: VL033604.D
Acq: 17 Apr 2019 16:15

Instrument :
MSVOA_L
ClientSampleId :
LOQ-AIR-02-QT2-2019

Tgt Ion:112 Resp: 7051

Ion	Ratio	Lower	Upper
112	100		
77	15.4	57.3	85.9#
114	25.7	29.8	36.4#

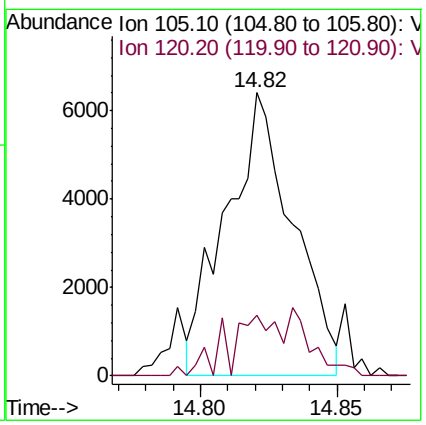


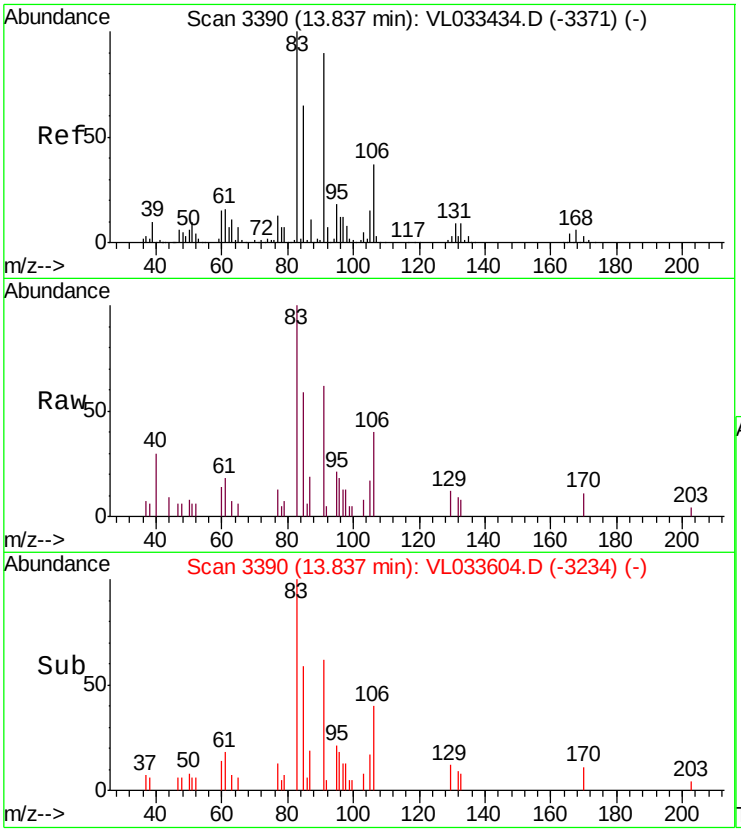


#62
Isopropylbenzene
Concen: 0.035 ppbv
RT: 14.82 min Scan# 3696
Delta R.T. -0.01 min
Lab File: VL033604.D
Acq: 17 Apr 2019 16:15

Tgt Ion:105 Resp: 10889

Ion	Ratio	Lower	Upper
105	100		
120	24.5	20.2	30.2



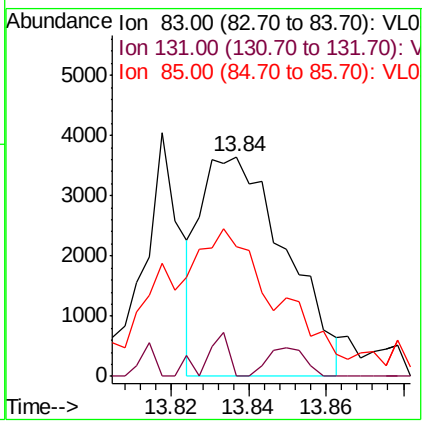


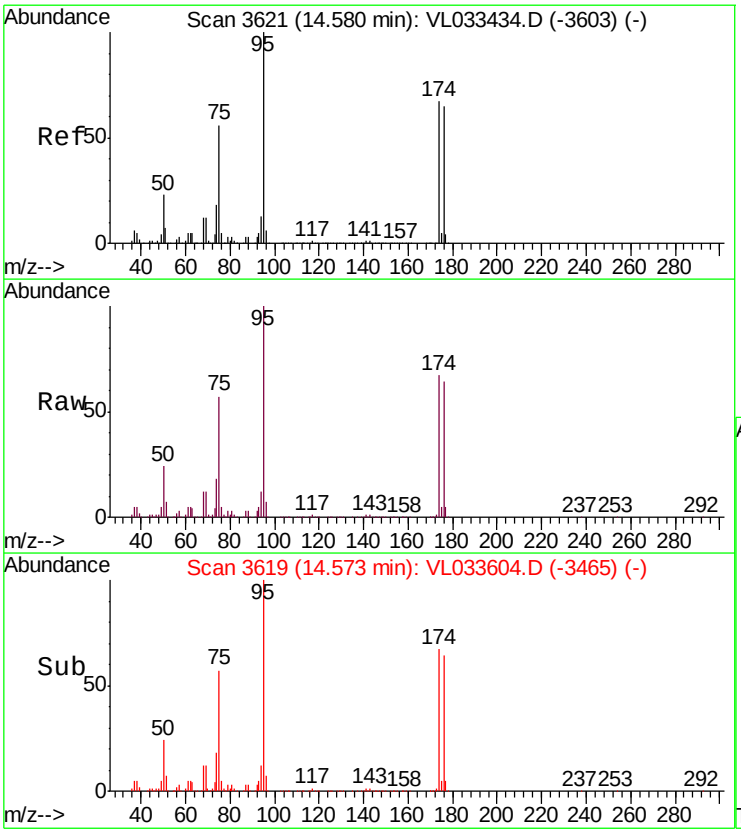
#63
1,1,2,2-Tetrachloroethane
Concen: 0.035 ppbv
RT: 13.84 min Scan# 3390
Delta R.T. 0.00 min
Lab File: VL033604.D
Acq: 17 Apr 2019 16:15

Instrument :
MSVOA_L
ClientSampleId :
LOQ-AIR-02-QT2-2019

Tgt Ion: 83 Resp: 5589

Ion	Ratio	Lower	Upper
83	100		
131	13.9	4.7	14.0
85	100.8	32.7	98.1#

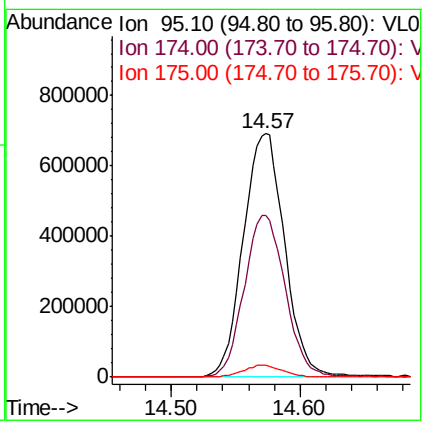


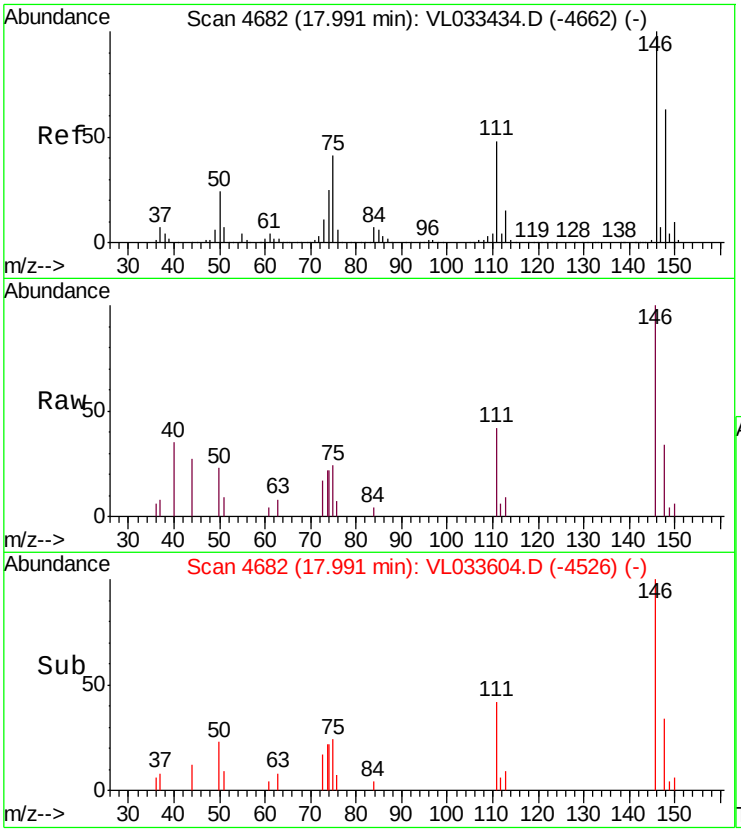


#68
1-Bromo-4-Fluorobenzene
Concen: 10.342 ppbv
RT: 14.57 min Scan# 3619
Delta R.T. -0.01 min
Lab File: VL033604.D
Acq: 17 Apr 2019 16:15

Tgt Ion: 95 Resp: 1541118

Ion	Ratio	Lower	Upper
95	100		
174	66.7	52.9	79.3
175	4.7	3.8	5.6



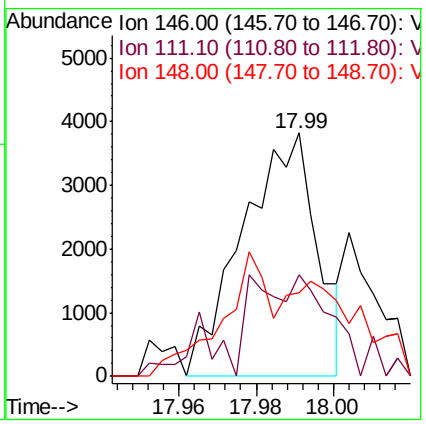


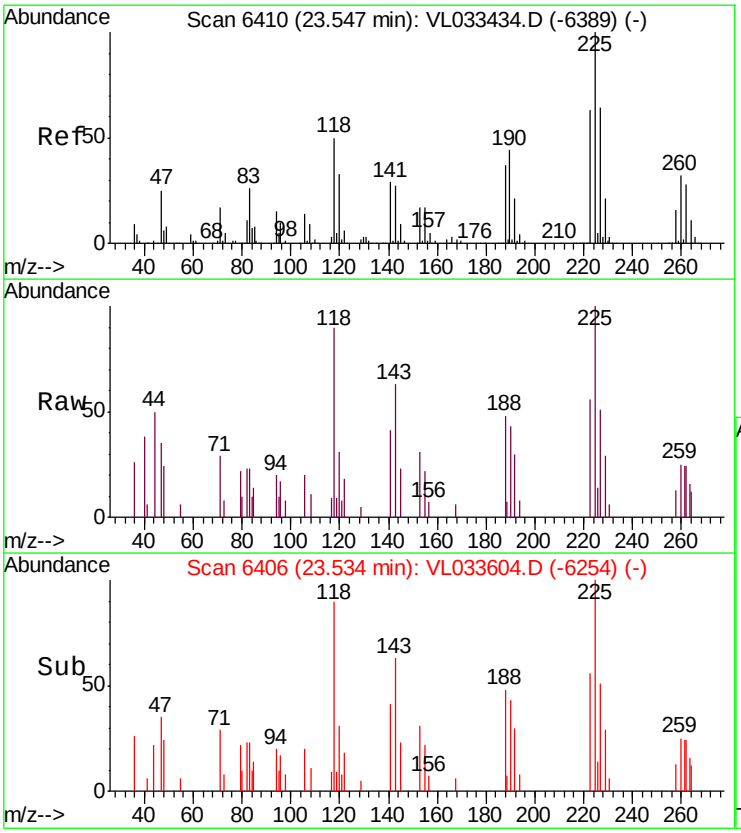
#77
1,2-Dichlorobenzene
Concen: 0.035 ppbv
RT: 17.99 min Scan# 4682
Delta R.T. 0.00 min
Lab File: VL033604.D
Acq: 17 Apr 2019 16:15

Instrument :
MSVOA_L
ClientSampleId :
LOQ-AIR-02-QT2-2019

Tgt Ion:146 Resp: 5133

Ion	Ratio	Lower	Upper
146	100		
111	57.6	23.5	70.5
148	74.0	32.0	96.0





#78
Hexachloro-1,3-Butadiene
Concen: 0.040 ppbv
RT: 23.53 min Scan# 6406
Delta R.T. -0.01 min
Lab File: VL033604.D
Acq: 17 Apr 2019 16:15

Tgt Ion:225 Resp: 3882

Ion	Ratio	Lower	Upper
225	100		
223	0.0	50.0	75.0#
227	0.0	51.1	76.7#