Quantitation Report (Not Reviewed)

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_L\DATA\VL101920\
Data File : VL035794.D
Acq On : 19 Oct 2020 14:39
Operator : SY/AP
Sample : L4214-15 MDL 0.1
Misc : 400ml/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_L
ClientSampleId : MDL-AIR-01-QT4-2020

Quant Time: Oct 20 08:10:46 2020
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL092320AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LWed Sep 23 07:38:05 2020
QLast Update : Wed Sep 23 07:38:05 2020
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
1) Bromochloromethane	5.65	49	1164907	10.00	ppbv		-0.03
33) 1,4-Difluorobenzene	7.16	114	4191975	10.00	ppbv		-0.04
55) Chlorobenzene-d5	12.07	117	4115691	10.00	ppbv		-0.04
System Monitoring Compounds							
68) 1-Bromo-4-Fluorobenzene	14.41	95	3121131	10.12	ppbv		-0.04
Spiked Amount 10.000	Range 65 - 135		Recovery = 101.20%				
Target Compounds							Qvalue
2) Dichlorodifluoromethane	3.03	85	30794	0.161	ppbv		98
3) Chlorodifluoromethane	2.97	51	14320	0.114	ppbv		100
4) Chloromethane	3.12	50	7779	0.116	ppbv		89
5) Vinyl Chloride	3.24	62	7828	0.098	ppbv	#	87
6) Bromomethane	3.46	94	7632	0.113	ppbv		84
7) Chloroethane	3.54	64	3370	0.115	ppbv		98
8) Dichlorotetrafluoroethane	3.17	85	26850	0.116	ppbv		100
9) Propene	3.00	41	7369	0.162	ppbv		84
11) Trichlorofluoromethane	3.93	101	31625	0.116	ppbv		92
12) 1,1,2-Trichlorotrifluoroet	4.47	101	22618	0.111	ppbv		99
13) Ethanol	3.59	45	903	0.080	ppbv	#	38
14) Bromoethene	3.72	108	8750	0.102	ppbv	#	96
15) Acetone	3.85	43	29219	0.233	ppbv	#	68
16) 1,3-Butadiene	3.31	39	3281	0.072	ppbv		88
17) tert-Butyl alcohol	4.31	59	16229	0.119	ppbv		99
18) 1,1-Dichloroethene	4.27	96	9098	0.102	ppbv		99
19) Isopropyl Alcohol	3.97	45	9145	0.134	ppbv	#	88
20) Methylene Chloride	4.32	84	23504	0.255	ppbv		90
21) Allyl Chloride	4.39	41	6072	0.100	ppbv		89
22) trans-1,2-Dichloroethene	4.86	96	10067	0.107	ppbv		89
23) Vinyl Acetate	5.06	43	13110	0.085	ppbv	#	81
24) 1,1-Dichloroethane	4.99	63	18719	0.112	ppbv	#	90
25) Ethyl Acetate	5.67	43	23099	0.102	ppbv	#	95
26) Hexane	5.66	57	4982	0.040	ppbv	#	1
27) Carbon Disulfide	4.53	76	17582	0.095	ppbv	#	94
28) Methyl tert-Butyl Ether	5.03	73	13783	0.070	ppbv		96
29) Chloroform	5.73	83	28675	0.114	ppbv		84
31) cis-1,2-Dichloroethene	5.53	61	4657	0.039	ppbv		87
32) 1,1,1-Trichloroethane	6.49	97	21698	0.098	ppbv		96
34) 2-Butanone	5.24	43	13865	0.100	ppbv		96
35) Carbon Tetrachloride	7.00	117	13862	0.063	ppbv		89
36) Benzene	6.87	78	18706	0.068	ppbv		95
37) 1,2-Dichloroethane	6.29	62	14626	0.103	ppbv		97
38) Trichloroethene	7.82	130	11968	0.088	ppbv		93
39) 1,2-Dichloropropane	7.16	63	850675	8.592	ppbv	#	31
41) Tetrahydrofuran	6.07	42	3739	0.054	ppbv		96
42) Bromodichloromethane	7.77	83	21742	0.095	ppbv		86
43) Methyl Methacrylate	8.01	69	6342	0.058	ppbv		98
45) t-1,3-Dichloropropene	9.26	75	6015	0.055	ppbv		97
47) 1,1,2-Trichloroethane	9.46	97	13589	0.096	ppbv		97
48) Dibromochloromethane	10.29	129	16853	0.078	ppbv		93

Quantitation Report (Not Reviewed)

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_L\DATA\VL101920\
Data File : VL035794.D
Acq On : 19 Oct 2020 14:39
Operator : SY/AP
Sample : L4214-15 MDL 0.1
Misc : 400ml/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_L
ClientSampleId : MDL-AIR-01-QT4-2020

Quant Time: Oct 20 08:10:46 2020
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL092320AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LWed Sep 23 07:38:05 2020
QLast Update : Wed Sep 23 07:38:05 2020
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc Units		Dev(Min)
52) Tetrachloroethene	11.21	164	11396	0.087 ppbv		91
53) Toluene	9.79	91	13839	0.043 ppbv		87
54) 1,2-Dibromoethane	10.59	107	12164	0.057 ppbv		99
56) 1,1,1,2-Tetrachloroethane	12.11	131	17648	0.102 ppbv	#	1
57) Chlorobenzene	12.13	112	35563	0.114 ppbv	#	96
58) Ethyl Benzene	12.70	91	23859	0.058 ppbv		98
60) o-Xylene	13.68	91	25182	0.069 ppbv		93
61) Styrene	13.52	104	9502	0.038 ppbv	#	85
62) Isopropylbenzene	14.66	105	36087	0.064 ppbv		95
63) 1,1,2,2-Tetrachloroethane	13.67	83	18955	0.063 ppbv	#	49
65) tert-Butylbenzene	16.74	119	23812	0.046 ppbv		89
69) p-Isopropyltoluene	17.66	119	22860	0.040 ppbv	#	93
70) n-Butylbenzene	18.55	91	26759	0.045 ppbv		92
71) 2-Chlorotoluene	15.44	91	24334	0.059 ppbv		92
72) 4-Ethyltoluene	15.84	105	18357	0.042 ppbv	#	93
75) 1,3-Dichlorobenzene	16.99	146	26519	0.084 ppbv	#	60
76) 1,4-Dichlorobenzene	17.13	146	16138	0.054 ppbv	#	24
77) 1,2-Dichlorobenzene	17.82	146	17383	0.059 ppbv		77
78) Hexachloro-1,3-Butadiene	23.38	225	9354	0.057 ppbv	#	16

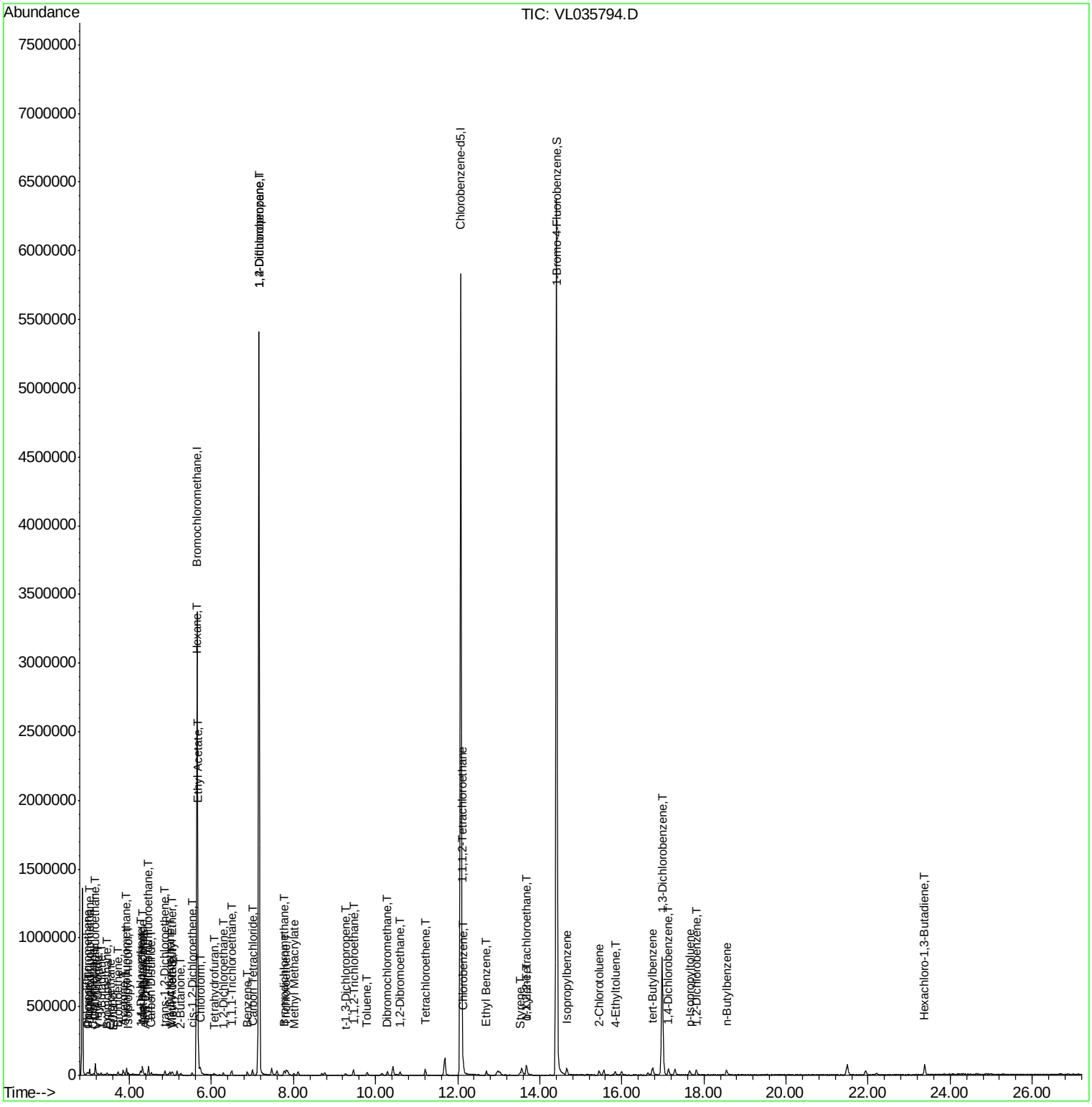
(#) = qualifier out of range (m) = manual integration (+) = signals summed

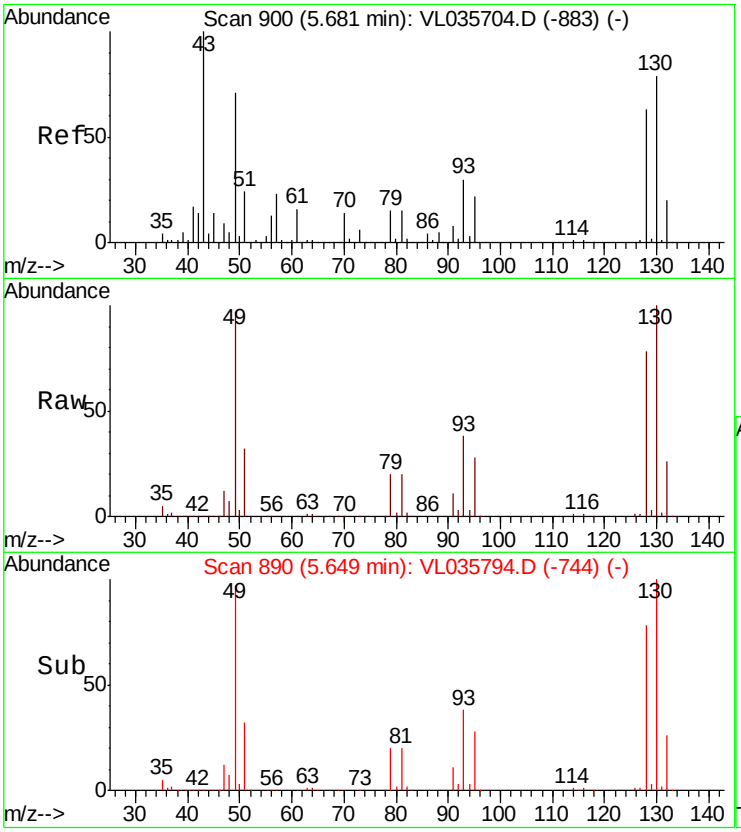
Quantitation Report (Not Reviewed)

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_L\DATA\VL101920\
Data File : VL035794.D
Acq On : 19 Oct 2020 14:39
Operator : SY/AP
Sample : L4214-15 MDL 0.1
Misc : 400ml/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_L
ClientSampleId : MDL-AIR-01-QT4-2020

Quant Time: Oct 20 08:10:46 2020
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL092320AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LWed Sep 23 07:38:05 2020
QLast Update : Wed Sep 23 07:38:05 2020
Response via : Initial Calibration



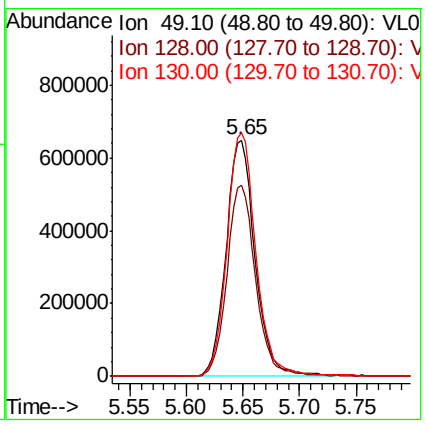


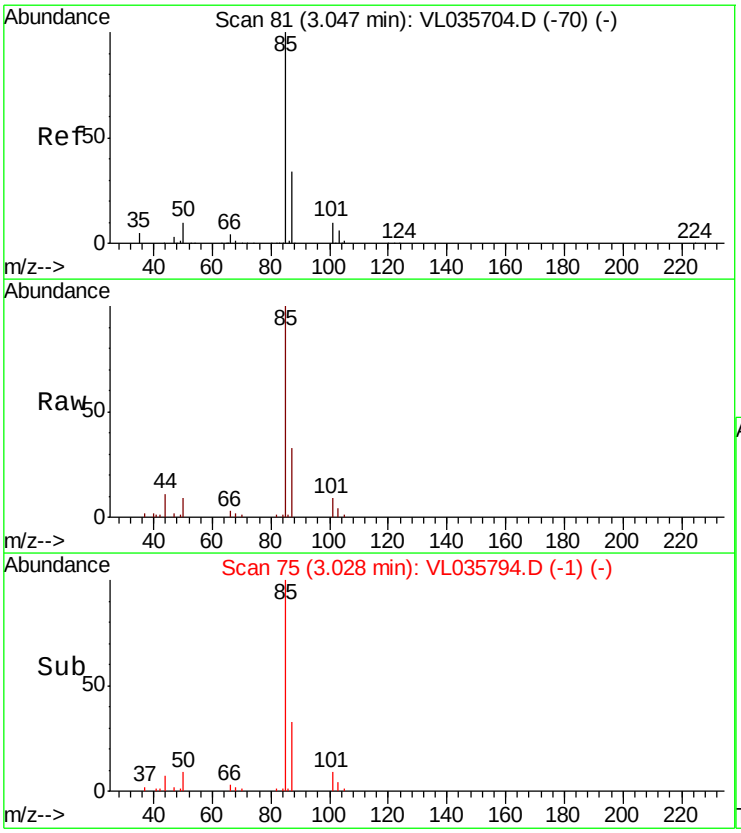
#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 5.65 min Scan# 890
Delta R.T. -0.03 min
Lab File: VL035794.D
Acq: 19 Oct 2020 14:39

Instrument :
MSVOA_L
ClientSampleId :
MDL-AIR-01-QT4-2020

Tgt Ion: 49 Resp: 1164907

Ion	Ratio	Lower	Upper
49	100		
128	80.6	43.1	129.4
130	103.1	54.9	164.7

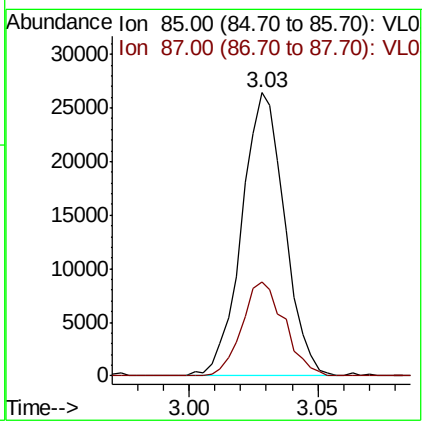


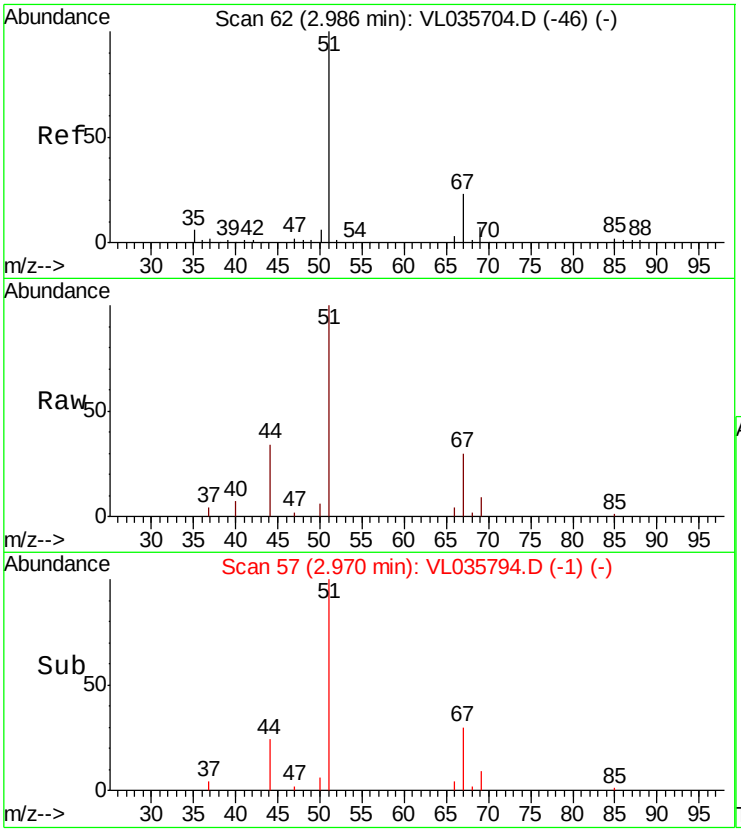


#2
Dichlorodifluoromethane
Concen: 0.161 ppbv
RT: 3.03 min Scan# 75
Delta R.T. -0.02 min
Lab File: VL035794.D
Acq: 19 Oct 2020 14:39

Tgt Ion: 85 Resp: 30794

Ion	Ratio	Lower	Upper
85	100		
87	33.0	27.3	40.9

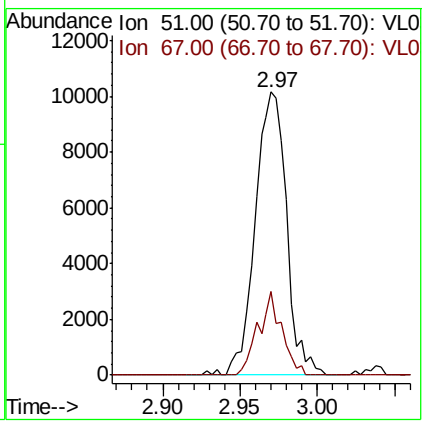




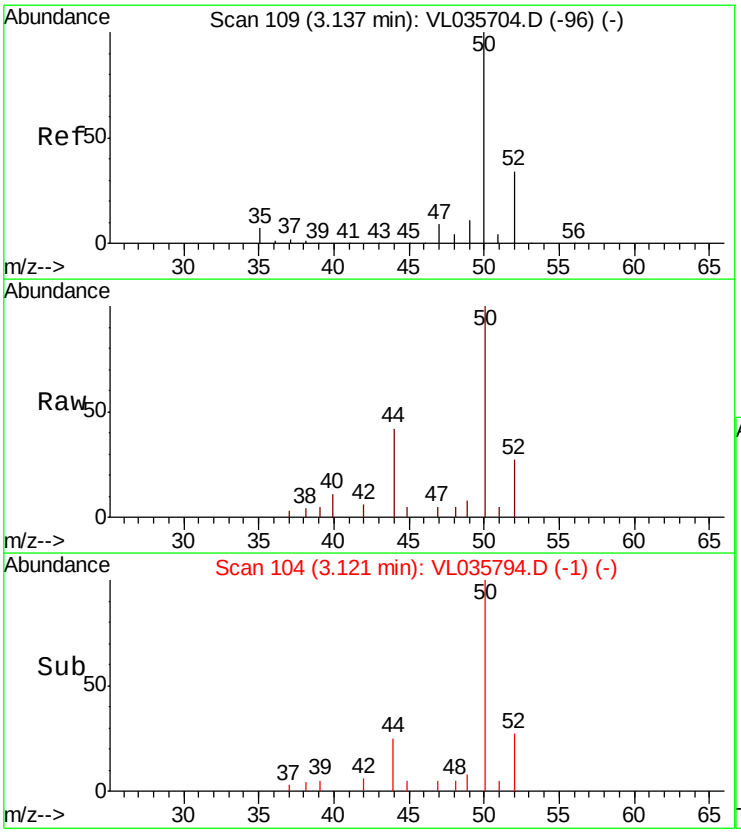
#3
Chlorodifluoromethane
Concen: 0.114 ppbv
RT: 2.97 min Scan# 57
Delta R.T. -0.02 min
Lab File: VL035794.D
Acq: 19 Oct 2020 14:39

Tgt Ion: 51 Resp: 14320

Ion	Ratio	Lower	Upper
51	100		
67	22.1	17.8	26.8



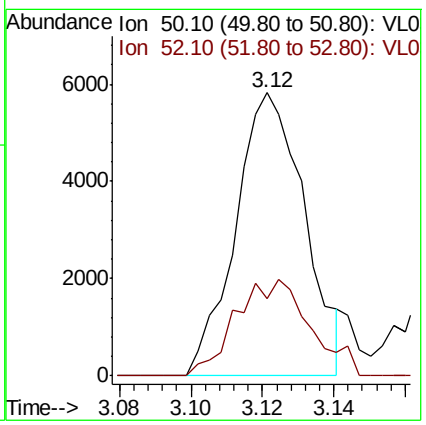
Instrument :
MSVOA_L
ClientSampleId :
MDL-AIR-01-QT4-2020

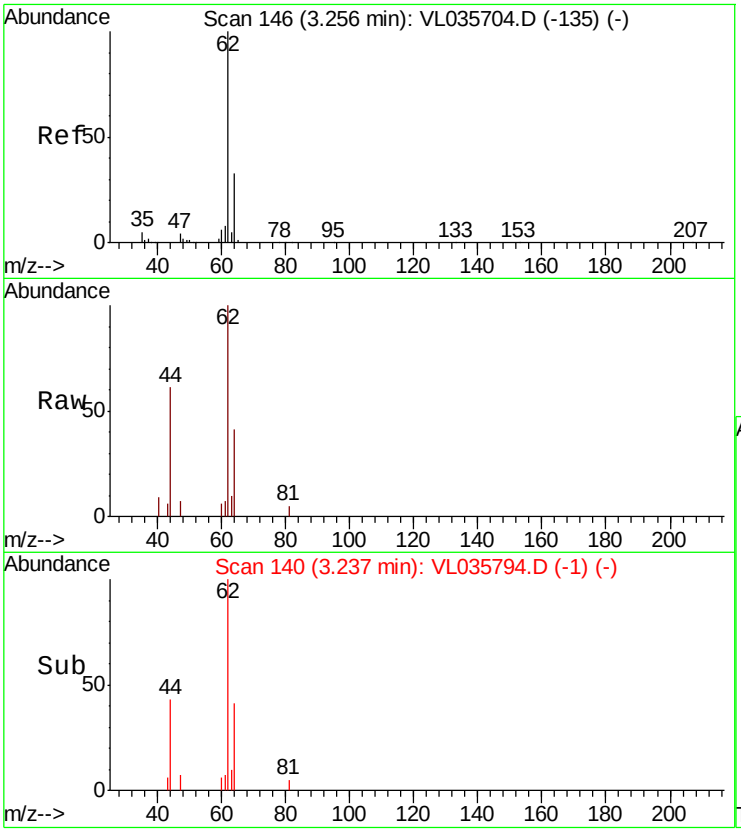


#4
Chloromethane
Concen: 0.116 ppbv
RT: 3.12 min Scan# 104
Delta R.T. -0.02 min
Lab File: VL035794.D
Acq: 19 Oct 2020 14:39

Tgt Ion: 50 Resp: 7779

Ion	Ratio	Lower	Upper
50	100		
52	27.3	26.8	40.2



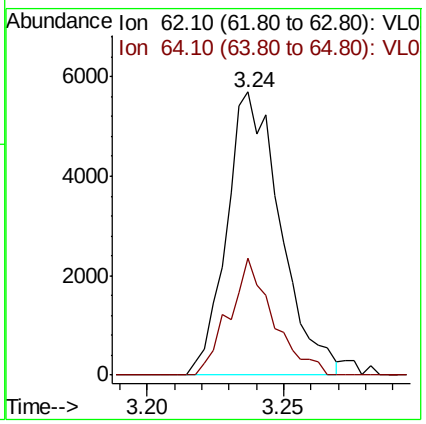


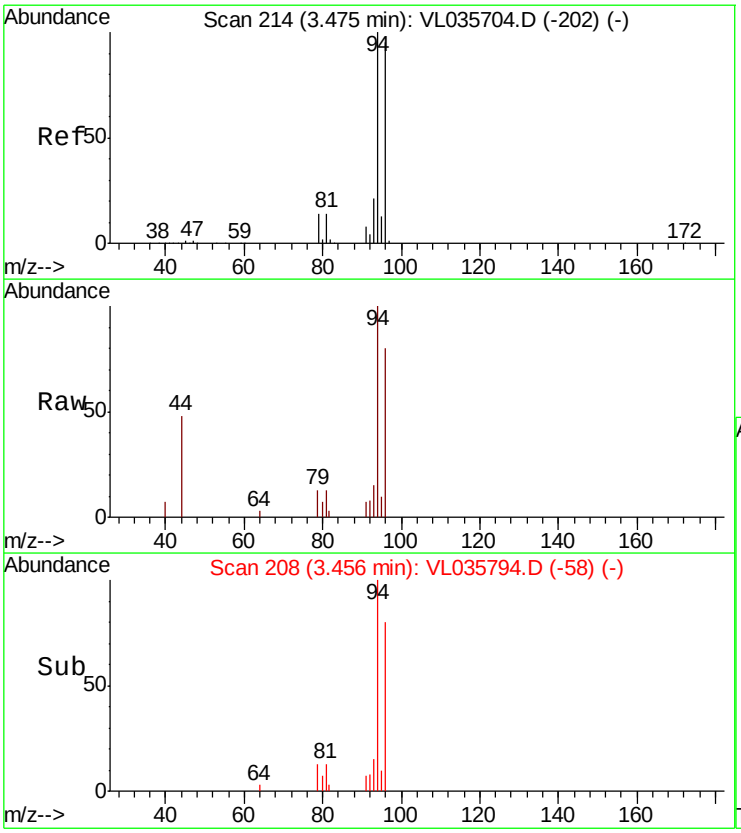
#5
Vinyl Chloride
Concen: 0.098 ppbv
RT: 3.24 min Scan# 140
Delta R.T. -0.02 min
Lab File: VL035794.D
Acq: 19 Oct 2020 14:39

Instrument :
MSVOA_L
ClientSampleId :
MDL-AIR-01-QT4-2020

Tgt Ion: 62 Resp: 7828

Ion	Ratio	Lower	Upper
62	100		
64	41.2	26.8	40.2#

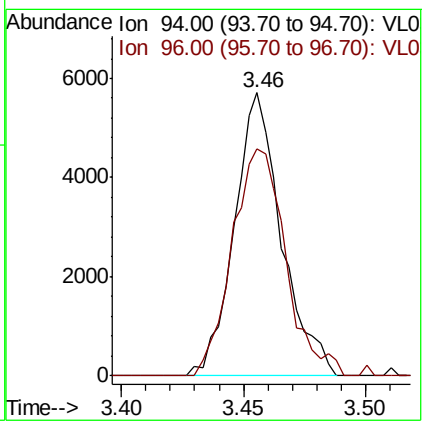


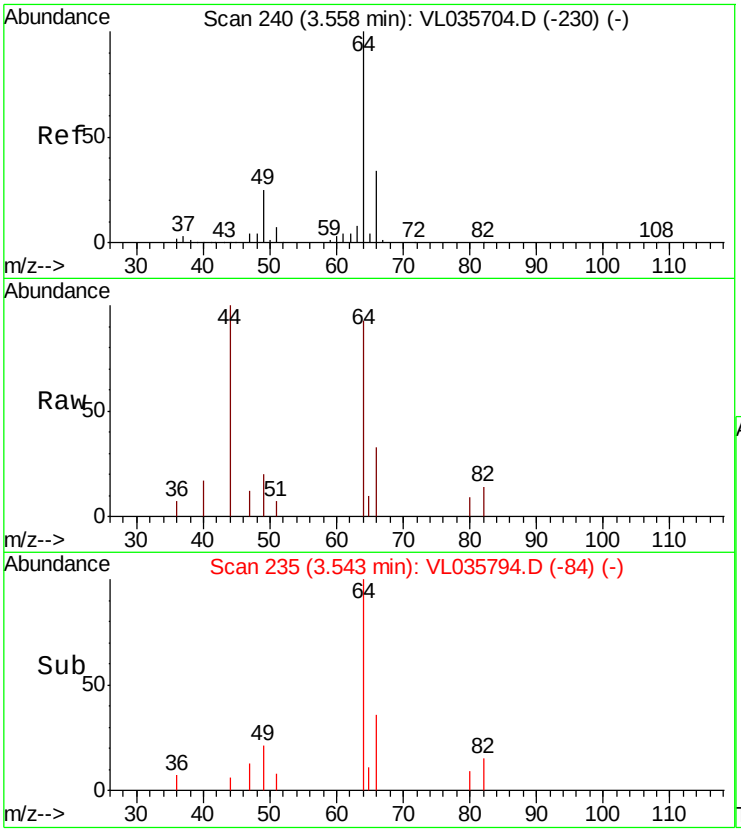


#6
Bromomethane
Concen: 0.113 ppbv
RT: 3.46 min Scan# 208
Delta R.T. -0.02 min
Lab File: VL035794.D
Acq: 19 Oct 2020 14:39

Tgt Ion: 94 Resp: 7632

Ion	Ratio	Lower	Upper
94	100		
96	80.1	76.3	114.5



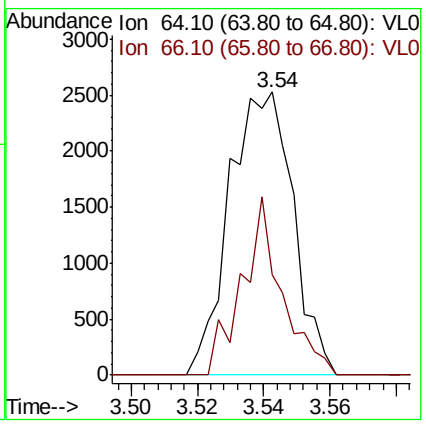


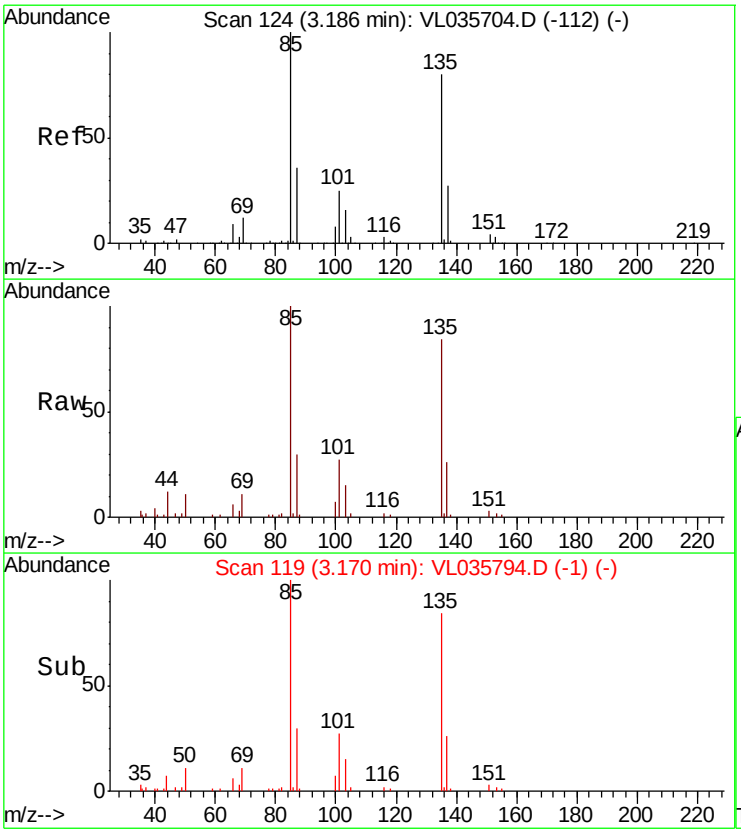
#7
Chloroethane
Concen: 0.115 ppbv
RT: 3.54 min Scan# 235
Delta R.T. -0.02 min
Lab File: VL035794.D
Acq: 19 Oct 2020 14:39

Instrument :
MSVOA_L
ClientSampleId :
MDL-AIR-01-QT4-2020

Tgt Ion: 64 Resp: 3370

Ion	Ratio	Lower	Upper
64	100		
66	32.2	26.9	40.3

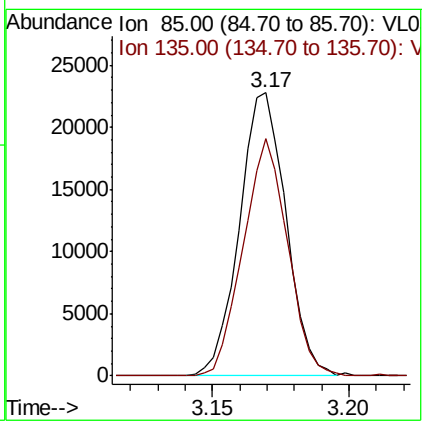


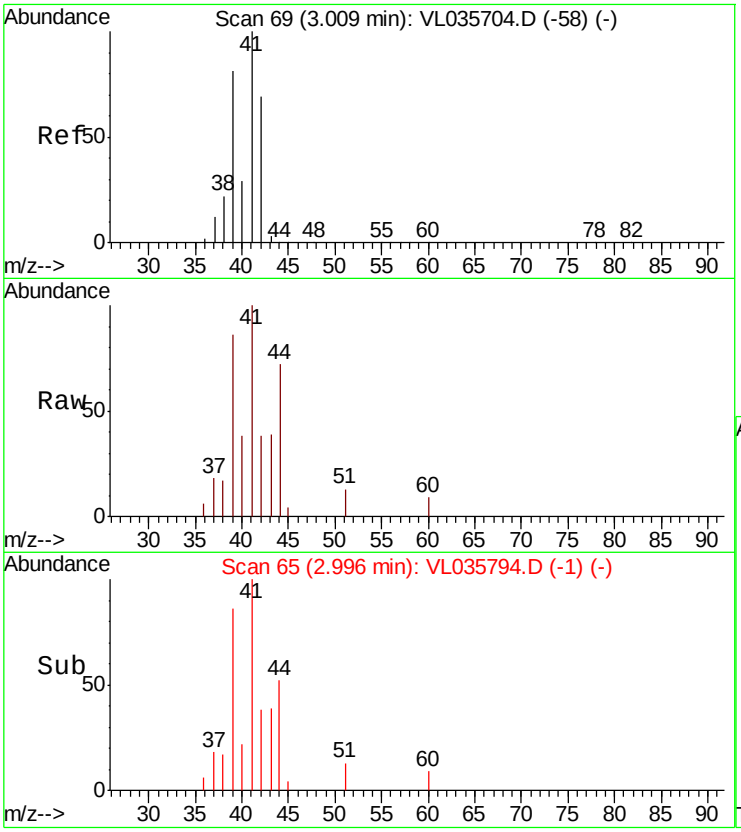


#8
Dichlorotetrafluoroethane
Concen: 0.116 ppbv
RT: 3.17 min Scan# 119
Delta R.T. -0.02 min
Lab File: VL035794.D
Acq: 19 Oct 2020 14:39

Tgt Ion: 85 Resp: 26850

Ion	Ratio	Lower	Upper
85	100		
135	80.1	64.3	96.5



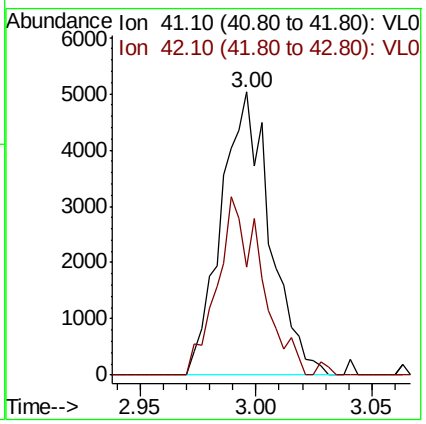


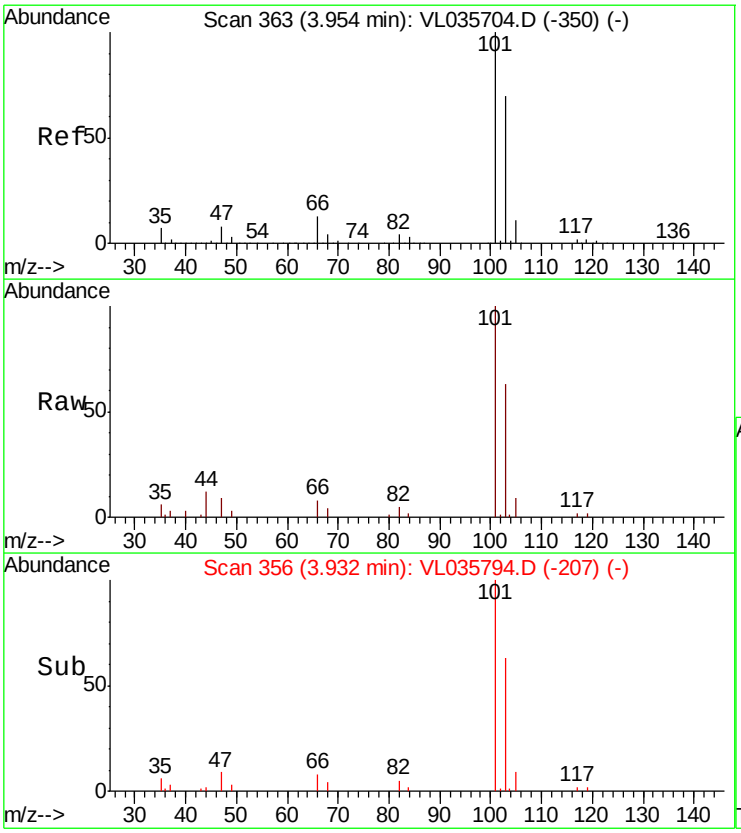
#9
Propene
Concen: 0.162 ppbv
RT: 3.00 min Scan# 65
Delta R.T. -0.01 min
Lab File: VL035794.D
Acq: 19 Oct 2020 14:39

Instrument :
MSVOA_L
ClientSampleId :
MDL-AIR-01-QT4-2020

Tgt Ion: 41 Resp: 7369

Ion	Ratio	Lower	Upper
41	100		
42	57.5	56.2	84.4

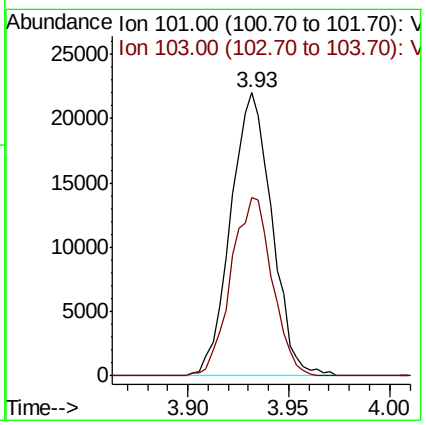


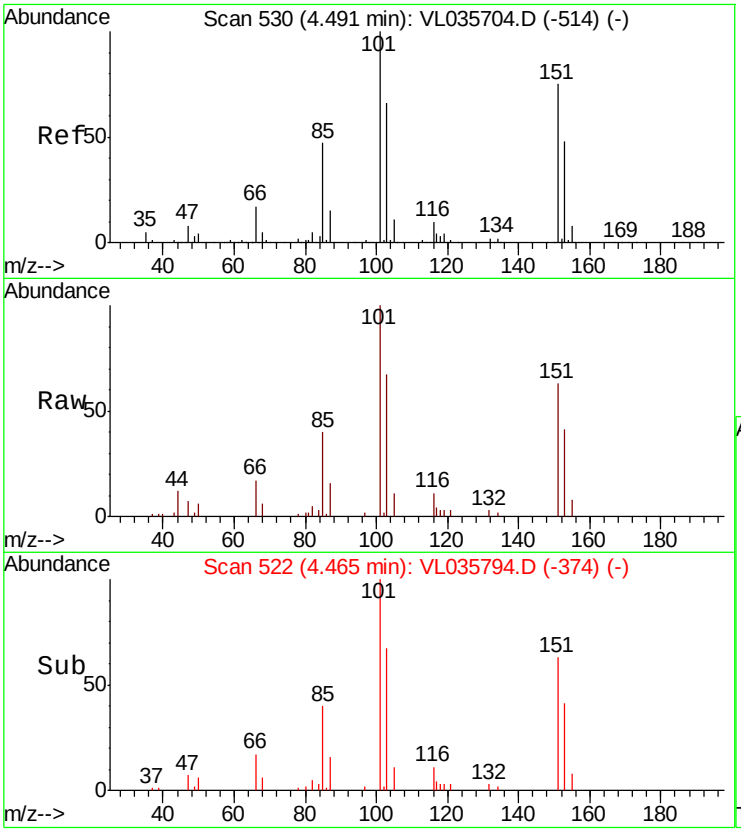


#11
Trichlorofluoromethane
Concen: 0.116 ppbv
RT: 3.93 min Scan# 356
Delta R.T. -0.02 min
Lab File: VL035794.D
Acq: 19 Oct 2020 14:39

Tgt Ion:101 Resp: 31625

Ion	Ratio	Lower	Upper
101	100		
103	62.9	55.6	83.4



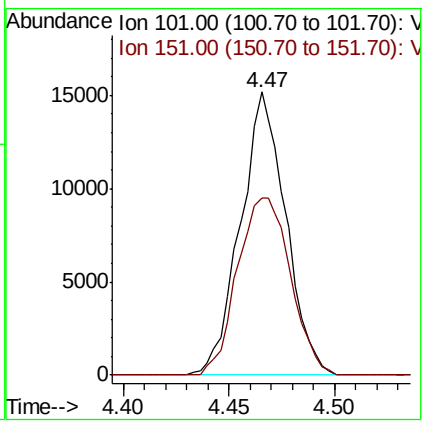


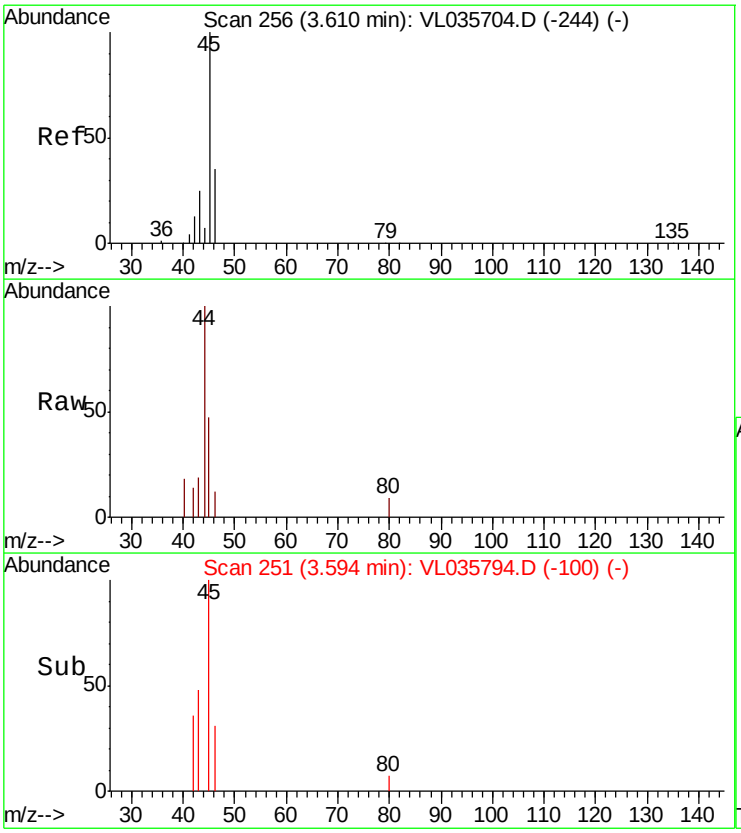
#12
1,1,2-Trichlorotrifluoroethane
Concen: 0.111 ppbv
RT: 4.47 min Scan# 522
Delta R.T. -0.03 min
Lab File: VL035794.D
Acq: 19 Oct 2020 14:39

Instrument :
MSVOA_L
ClientSampleId :
MDL-AIR-01-QT4-2020

Tgt Ion:101 Resp: 22618

Ion	Ratio	Lower	Upper
101	100		
151	73.1	59.1	88.7

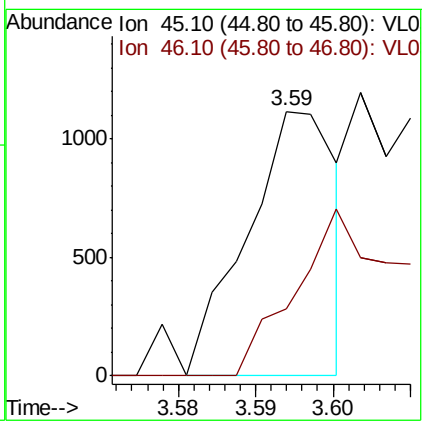


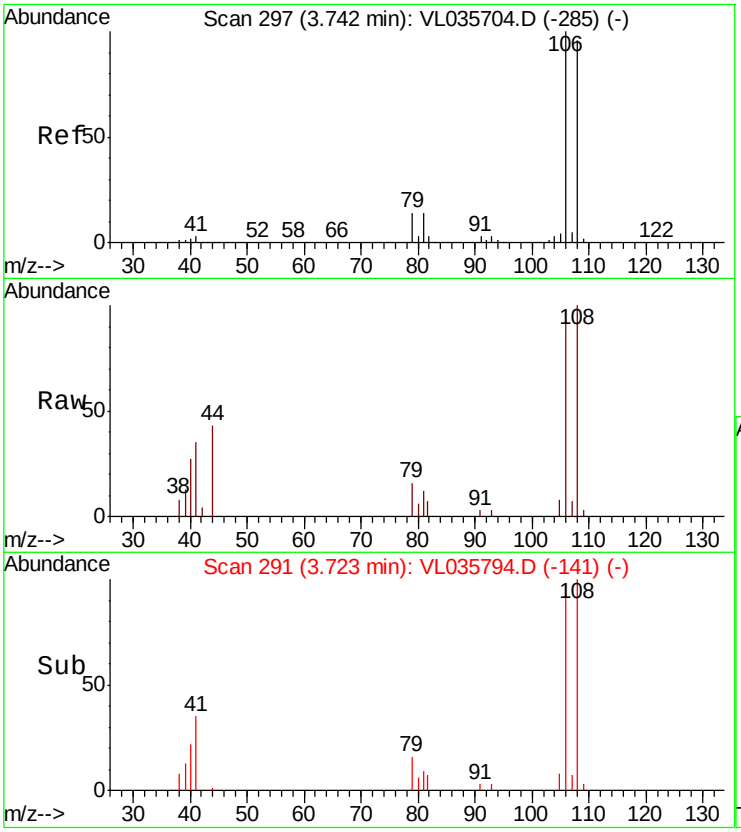


#13
Ethanol
Concen: 0.080 ppbv
RT: 3.59 min Scan# 251
Delta R.T. -0.02 min
Lab File: VL035794.D
Acq: 19 Oct 2020 14:39

Tgt Ion: 45 Resp: 903

Ion	Ratio	Lower	Upper
45	100		
46	0.0	14.7	58.7#



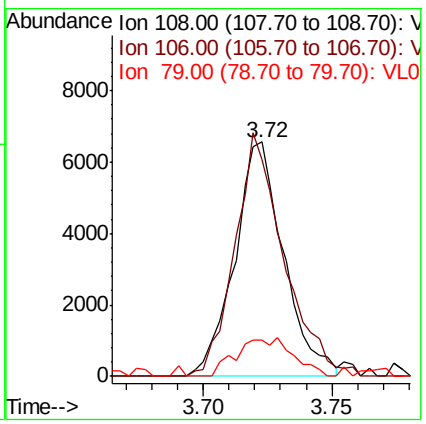


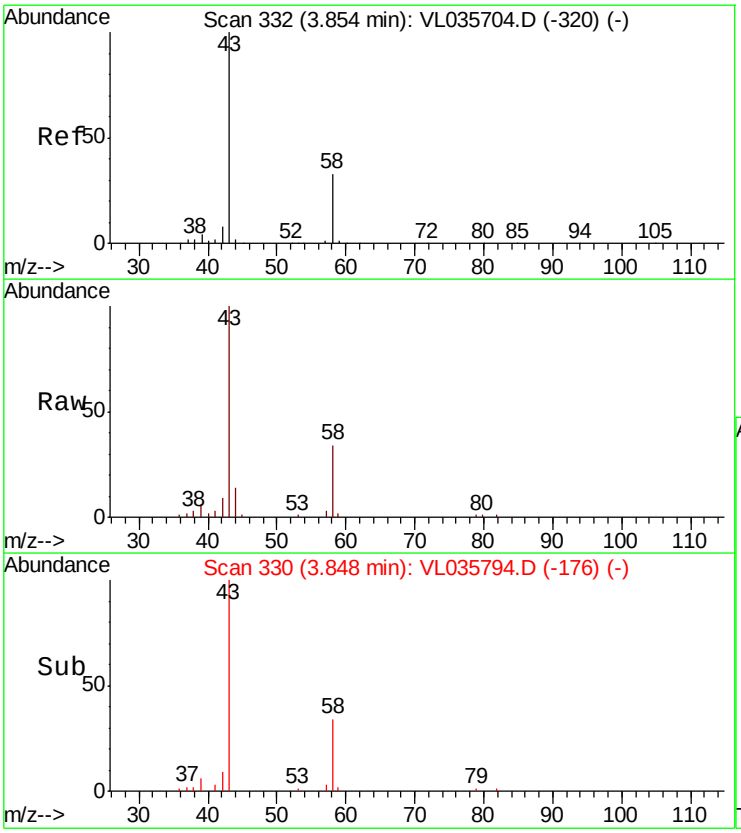
#14
Bromoethene
Concen: 0.102 ppbv
RT: 3.72 min Scan# 291
Delta R.T. -0.02 min
Lab File: VL035794.D
Acq: 19 Oct 2020 14:39

Instrument :
MSVOA_L
ClientSampleId :
MDL-AIR-01-QT4-2020

Tgt Ion:108 Resp: 8750

Ion	Ratio	Lower	Upper
108	100		
106	103.4	84.6	126.8
79	21.0	11.6	17.4#

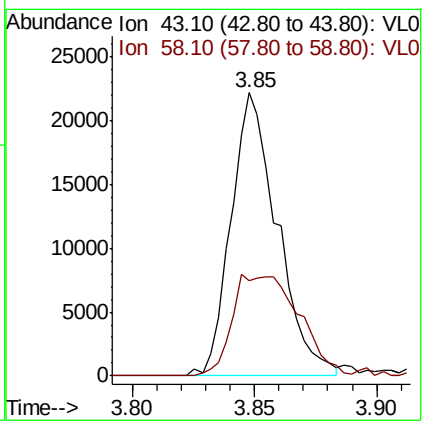


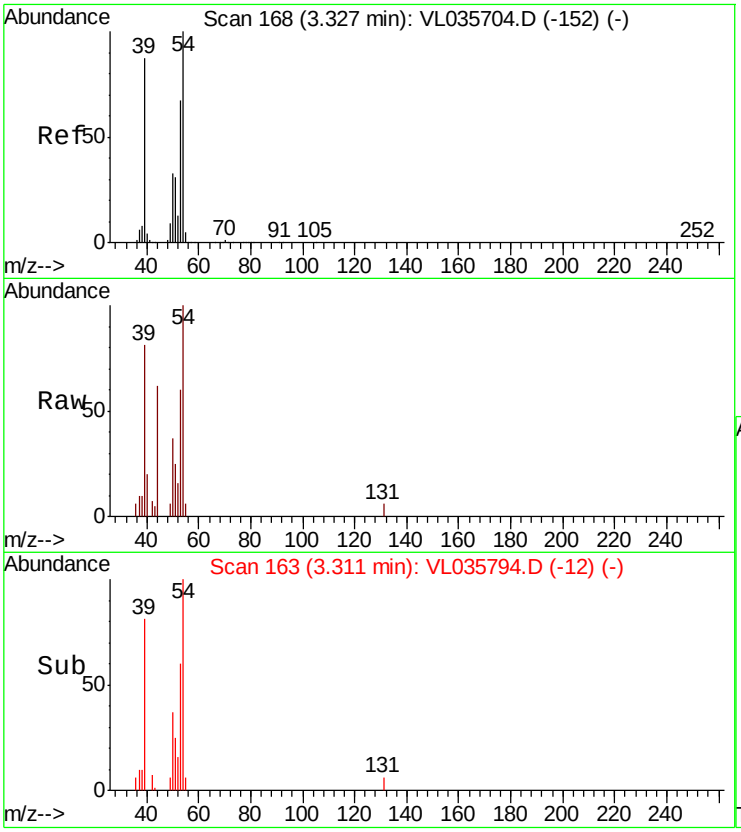


#15
Acetone
Concen: 0.233 ppbv
RT: 3.85 min Scan# 330
Delta R.T. -0.01 min
Lab File: VL035794.D
Acq: 19 Oct 2020 14:39

Tgt Ion: 43 Resp: 29219

Ion	Ratio	Lower	Upper
43	100		
58	52.7	27.3	40.9#



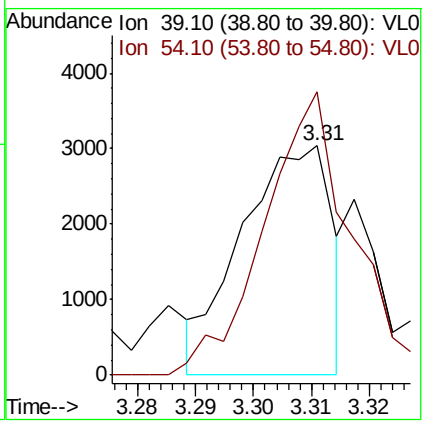


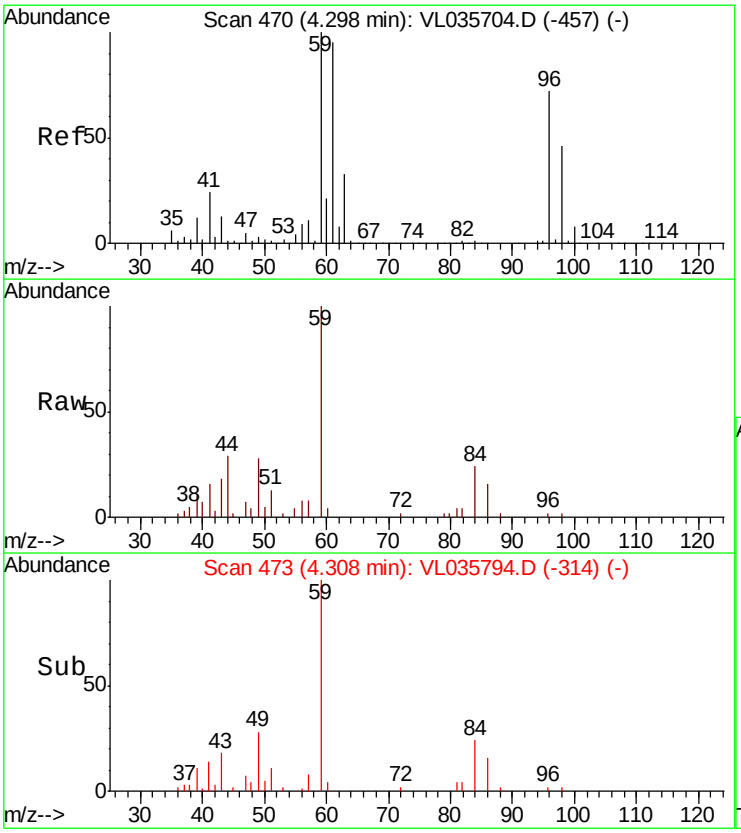
#16
1,3-Butadiene
Concen: 0.072 ppbv
RT: 3.31 min Scan# 163
Delta R.T. -0.02 min
Lab File: VL035794.D
Acq: 19 Oct 2020 14:39

Instrument :
MSVOA_L
ClientSampleId :
MDL-AIR-01-QT4-2020

Tgt Ion: 39 Resp: 3281

Ion	Ratio	Lower	Upper
39	100		
54	121.5	87.4	131.0

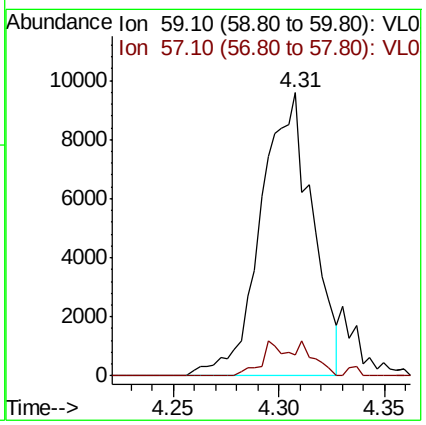


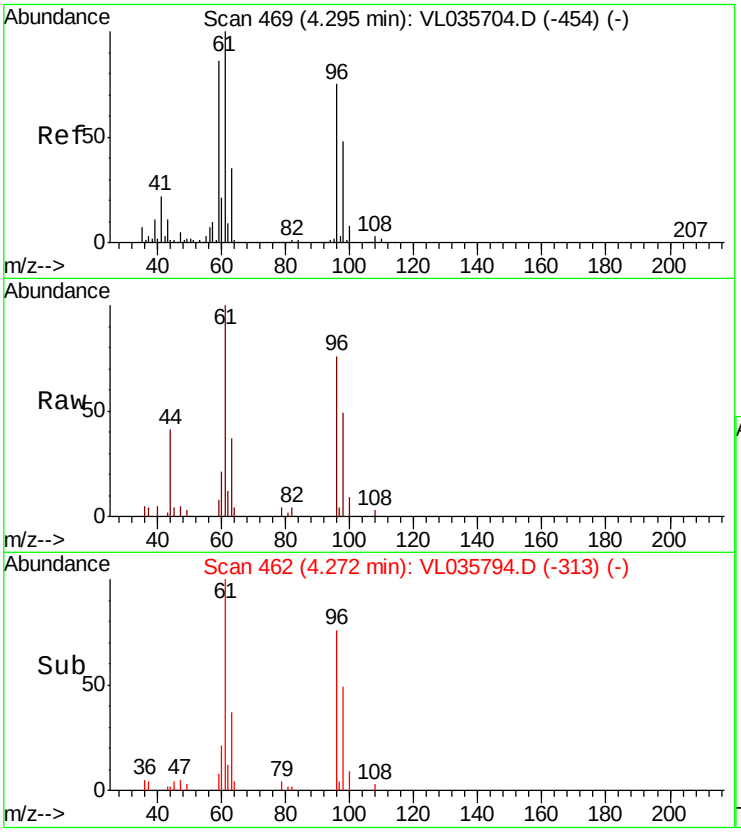


#17
tert-Butyl alcohol
Concen: 0.119 ppbv
RT: 4.31 min Scan# 473
Delta R.T. 0.01 min
Lab File: VL035794.D
Acq: 19 Oct 2020 14:39

Tgt Ion: 59 Resp: 16229

Ion	Ratio	Lower	Upper
59	100		
57	10.9	8.5	12.7



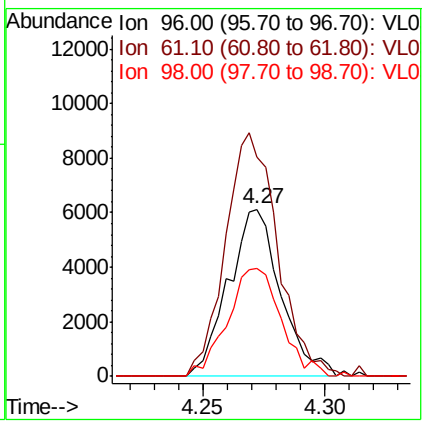


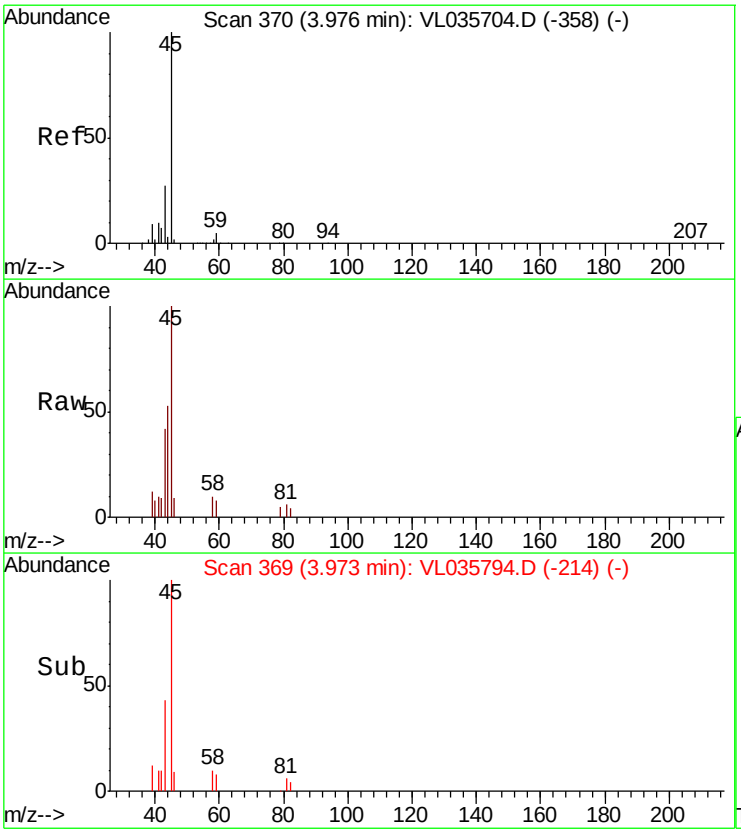
#18
1,1-Dichloroethene
Concen: 0.102 ppbv
RT: 4.27 min Scan# 462
Delta R.T. -0.02 min
Lab File: VL035794.D
Acq: 19 Oct 2020 14:39

Instrument :
MSVOA_L
ClientSampleId :
MDL-AIR-01-QT4-2020

Tgt Ion: 96 Resp: 9098

Ion	Ratio	Lower	Upper
96	100		
61	131.4	106.7	160.1
98	64.3	50.8	76.2

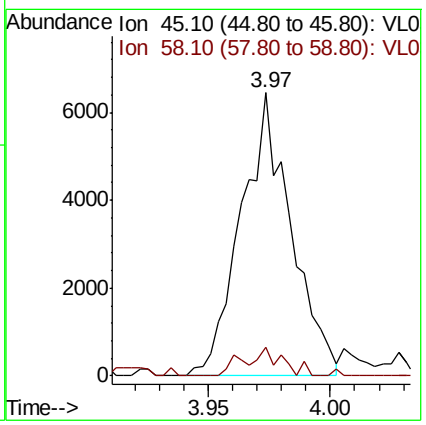


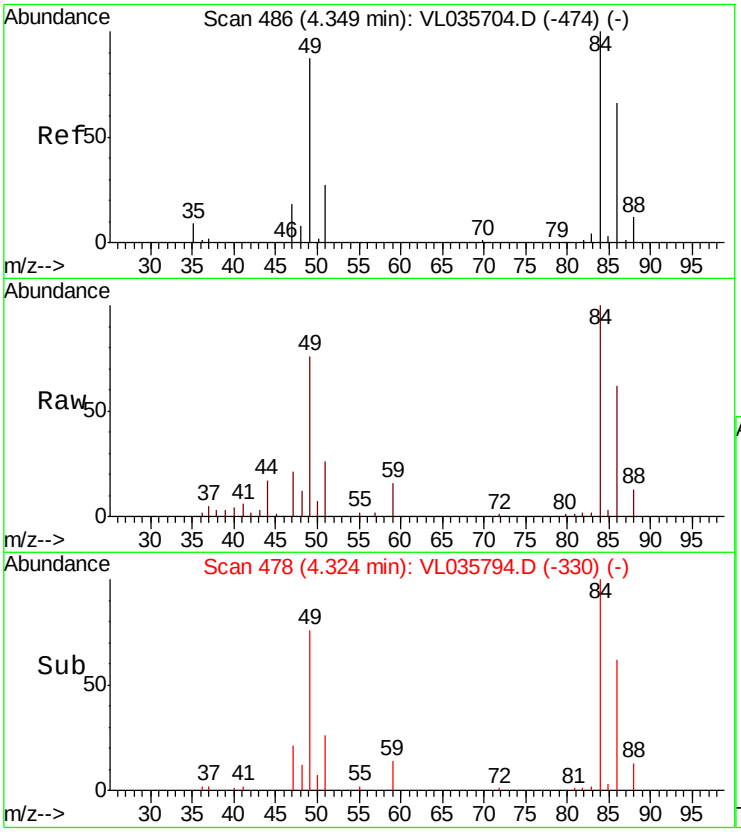


#19
Isopropyl Alcohol
Concen: 0.134 ppbv
RT: 3.97 min Scan# 369
Delta R.T. -0.00 min
Lab File: VL035794.D
Acq: 19 Oct 2020 14:39

Tgt Ion: 45 Resp: 9145

Ion	Ratio	Lower	Upper
45	100		
58	7.6	2.8	4.2#



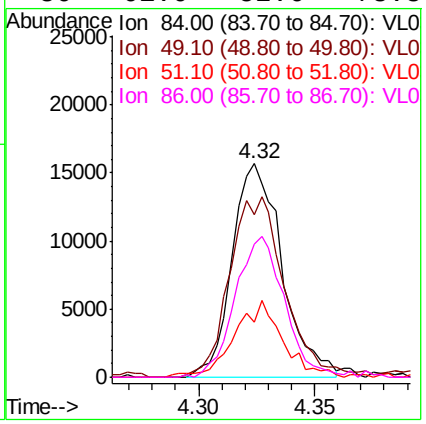


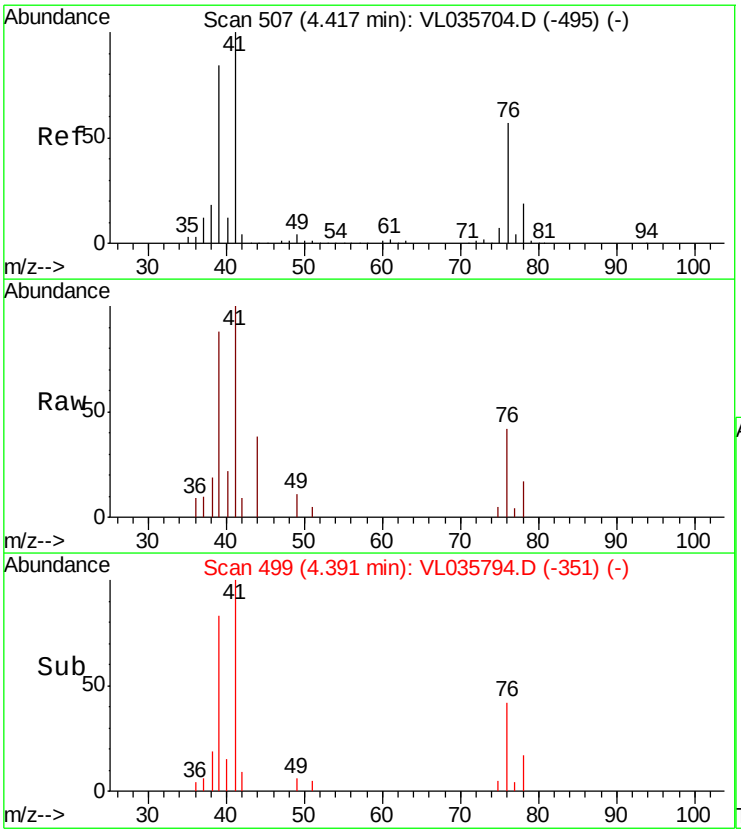
#20
Methylene Chloride
Concen: 0.255 ppbv
RT: 4.32 min Scan# 478
Delta R.T. -0.03 min
Lab File: VL035794.D
Acq: 19 Oct 2020 14:39

Instrument :
MSVOA_L
ClientSampleId :
MDL-AIR-01-QT4-2020

Tgt Ion: 84 Resp: 23504

Ion	Ratio	Lower	Upper
84	100		
49	74.4	69.8	104.6
51	24.6	21.8	32.8
86	61.0	52.6	78.8

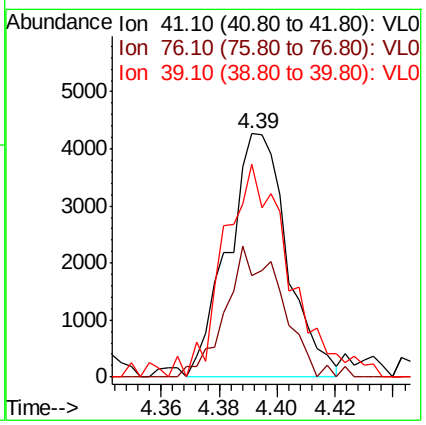


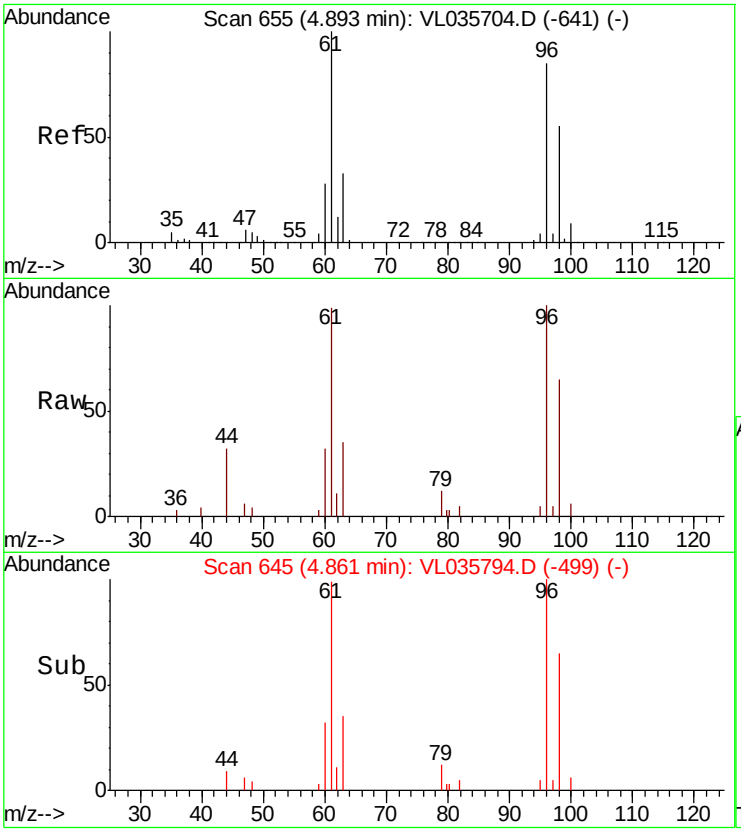


#21
Allyl Chloride
Concen: 0.100 ppbv
RT: 4.39 min Scan# 499
Delta R.T. -0.03 min
Lab File: VL035794.D
Acq: 19 Oct 2020 14:39

Tgt Ion: 41 Resp: 6072

Ion	Ratio	Lower	Upper
41	100		
76	50.7	44.8	67.2
39	97.3	68.4	102.6



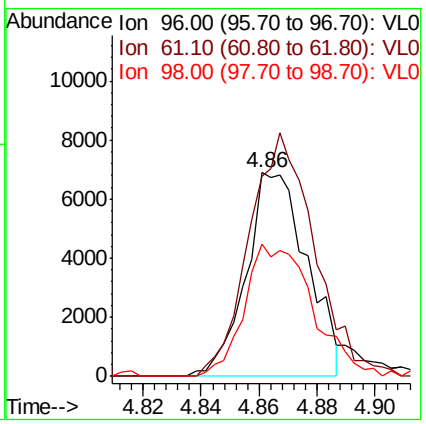


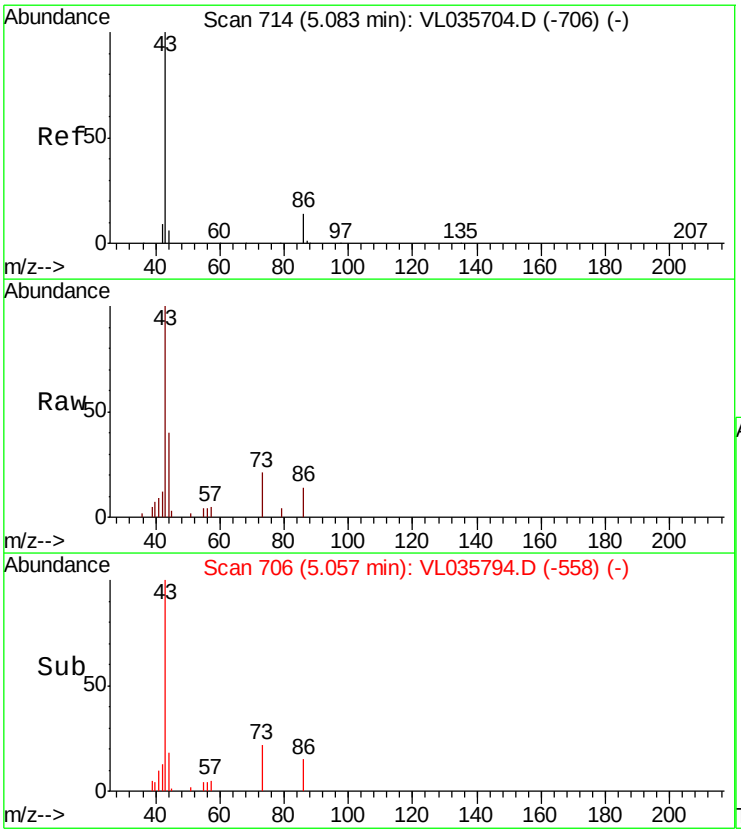
#22
trans-1,2-Dichloroethene
Concen: 0.107 ppbv
RT: 4.86 min Scan# 645
Delta R.T. -0.03 min
Lab File: VL035794.D
Acq: 19 Oct 2020 14:39

Instrument :
MSVOA_L
ClientSampleId :
MDL-AIR-01-QT4-2020

Tgt Ion: 96 Resp: 10067

Ion	Ratio	Lower	Upper
96	100		
61	98.6	93.7	140.5
98	65.0	51.2	76.8

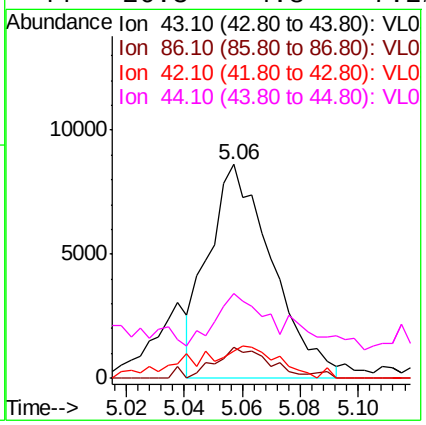


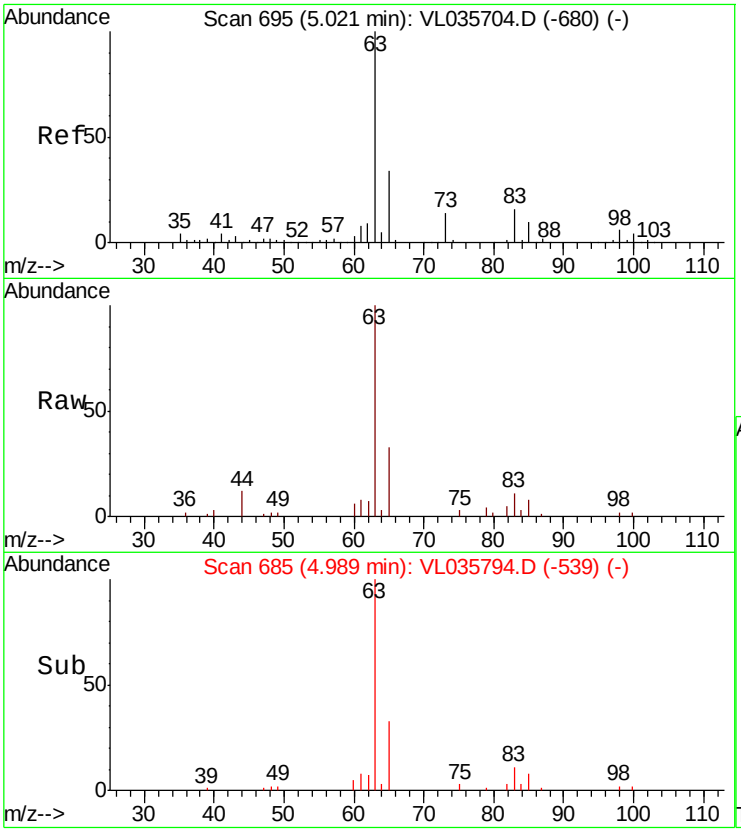


#23
Vinyl Acetate
Concen: 0.085 ppbv
RT: 5.06 min Scan# 706
Delta R.T. -0.03 min
Lab File: VL035794.D
Acq: 19 Oct 2020 14:39

Tgt Ion: 43 Resp: 13110

Ion	Ratio	Lower	Upper
43	100		
86	15.0	9.7	14.5#
42	13.1	7.9	11.9#
44	26.3	4.8	7.2#



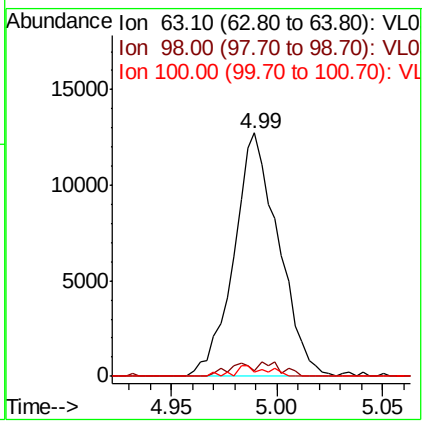


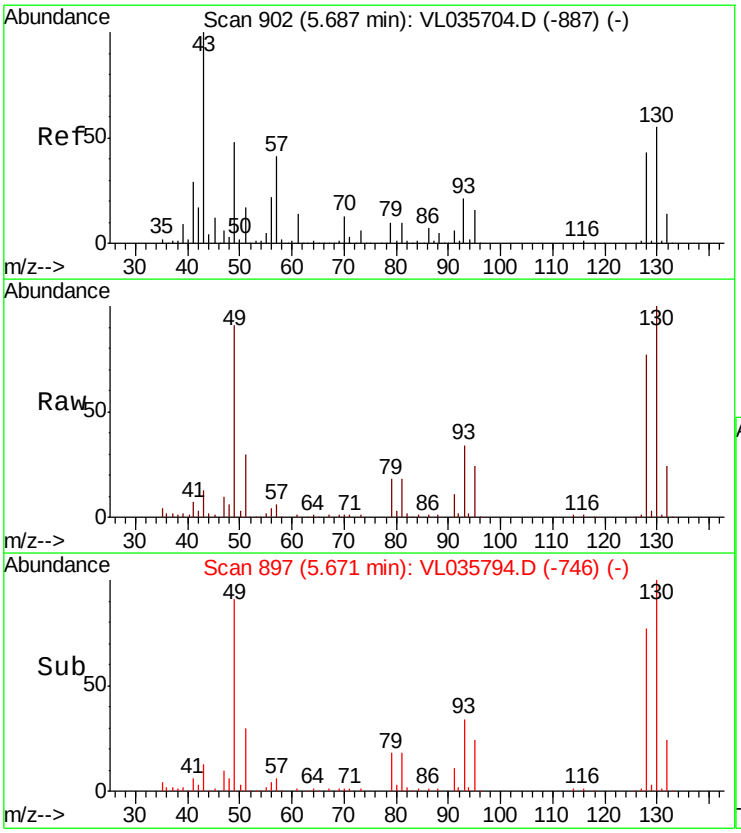
#24
1,1-Dichloroethane
Concen: 0.112 ppbv
RT: 4.99 min Scan# 685
Delta R.T. -0.03 min
Lab File: VL035794.D
Acq: 19 Oct 2020 14:39

Instrument :
MSVOA_L
ClientSampleId :
MDL-AIR-01-QT4-2020

Tgt Ion: 63 Resp: 18719

Ion	Ratio	Lower	Upper
63	100		
98	2.3	3.3	9.8#
100	1.6	2.0	5.8#

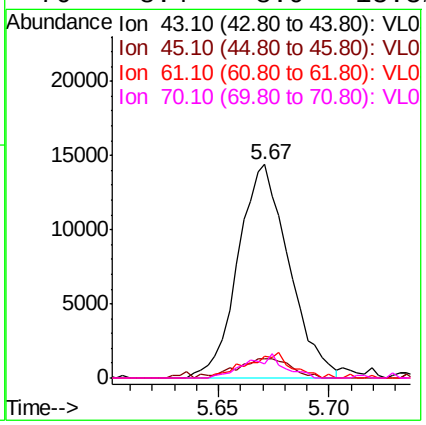


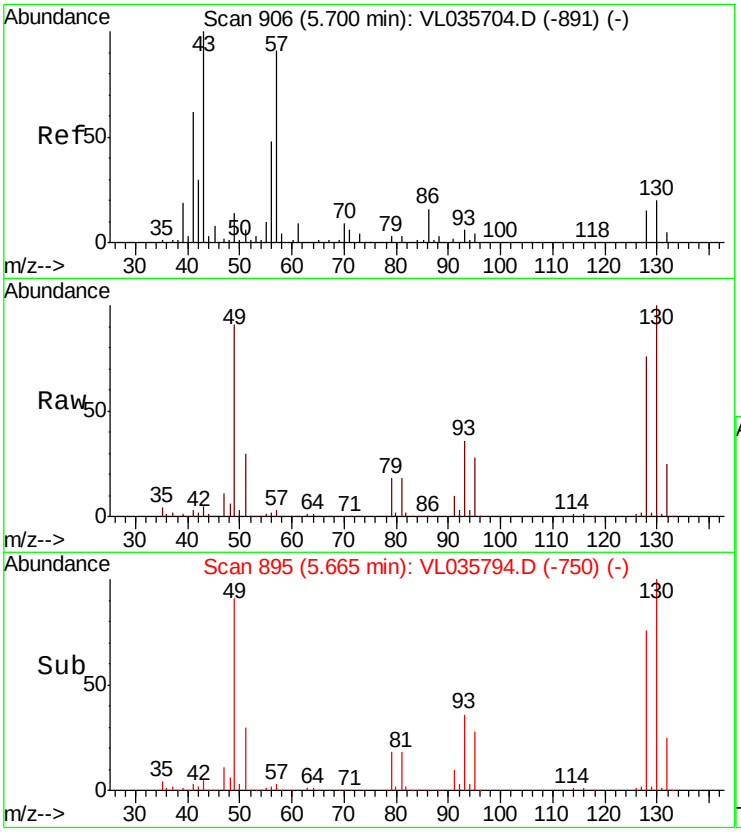


#25
Ethyl Acetate
Concen: 0.102 ppbv
RT: 5.67 min Scan# 897
Delta R.T. -0.02 min
Lab File: VL035794.D
Acq: 19 Oct 2020 14:39

Tgt Ion: 43 Resp: 23099

Ion	Ratio	Lower	Upper
43	100		
45	10.5	8.6	12.8
61	10.4	10.4	15.6#
70	8.4	8.9	13.3#



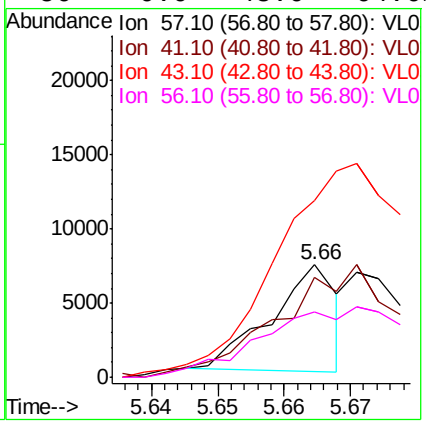


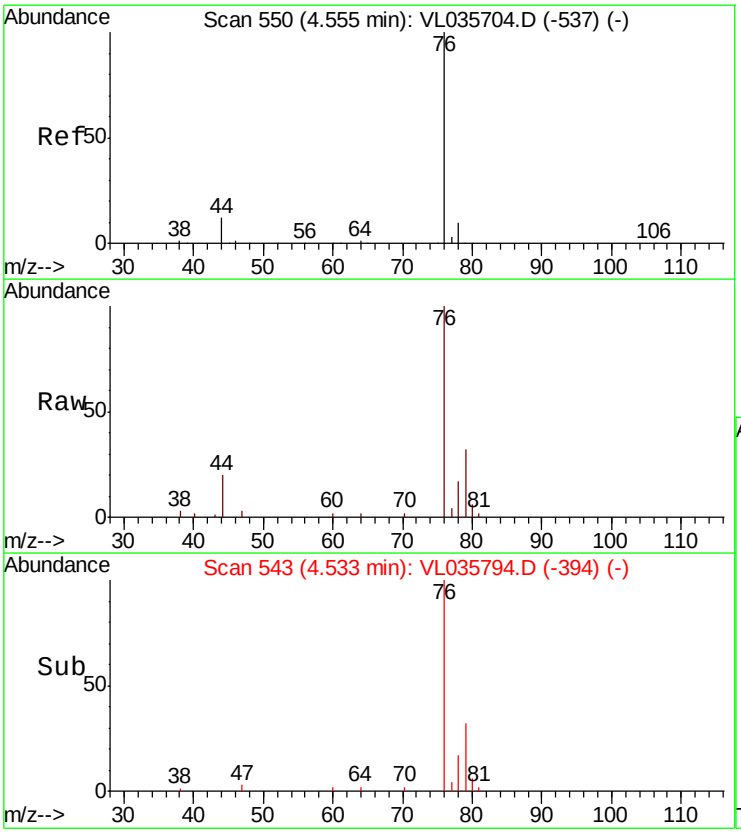
#26
Hexane
Concen: 0.040 ppbv
RT: 5.66 min Scan# 895
Delta R.T. -0.04 min
Lab File: VL035794.D
Acq: 19 Oct 2020 14:39

Instrument :
MSVOA_L
ClientSampleId :
MDL-AIR-01-QT4-2020

Tgt Ion: 57 Resp: 4982

Ion	Ratio	Lower	Upper
57	100		
41	0.0	57.9	86.9#
43	0.0	143.8	215.6#
56	0.0	43.0	64.6#

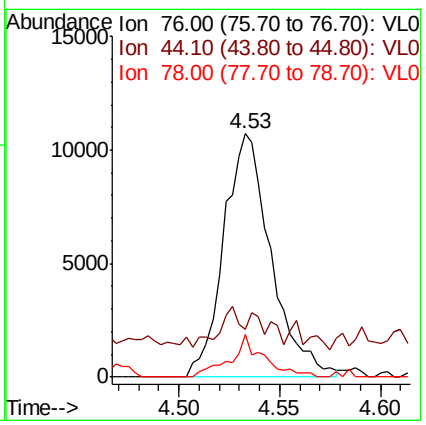


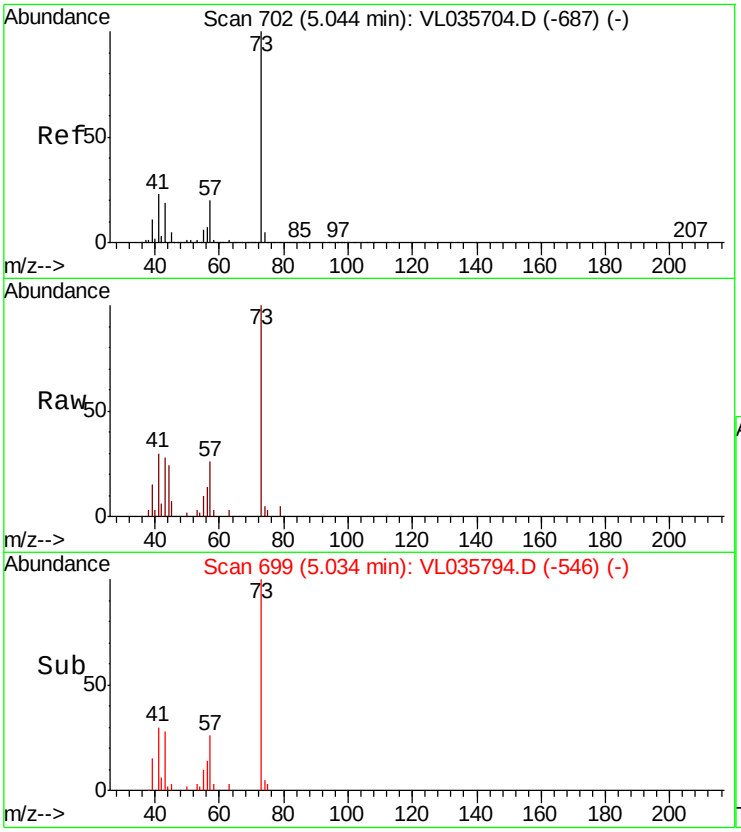


#27
Carbon Disulfide
Concen: 0.095 ppbv
RT: 4.53 min Scan# 543
Delta R.T. -0.02 min
Lab File: VL035794.D
Acq: 19 Oct 2020 14:39

Tgt Ion: 76 Resp: 17582

Ion	Ratio	Lower	Upper
76	100		
44	13.8	9.7	14.5
78	12.4	7.8	11.8#



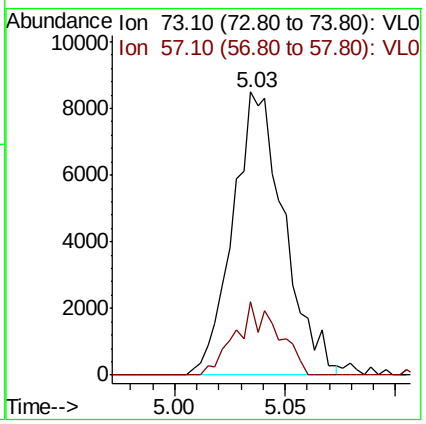


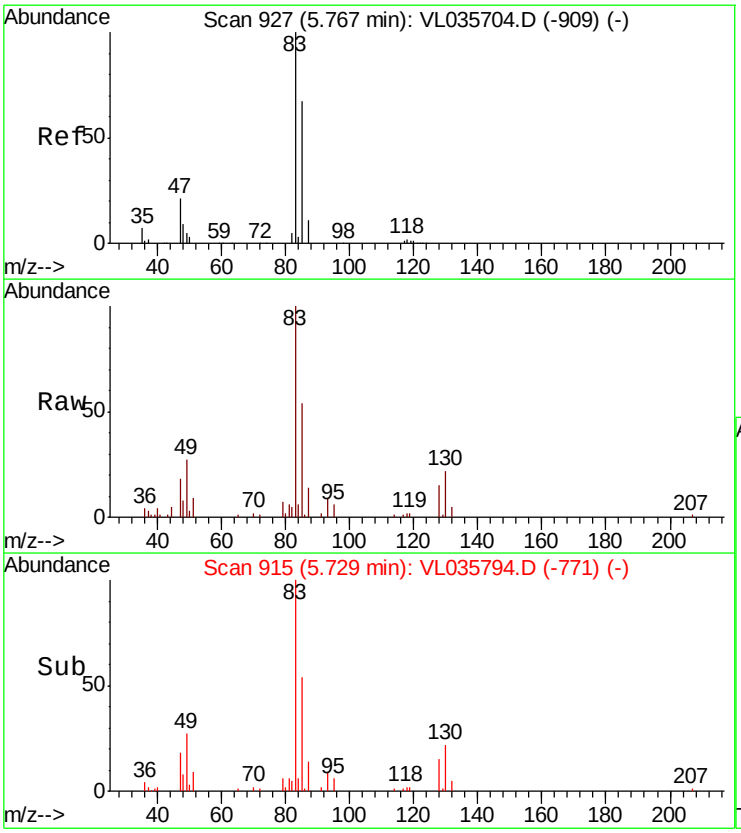
#28
Methyl tert-Butyl Ether
Concen: 0.070 ppbv
RT: 5.03 min Scan# 699
Delta R.T. -0.01 min
Lab File: VL035794.D
Acq: 19 Oct 2020 14:39

Instrument :
MSVOA_L
ClientSampleId :
MDL-AIR-01-QT4-2020

Tgt Ion: 73 Resp: 13783

Ion	Ratio	Lower	Upper
73	100		
57	21.3	15.6	23.4

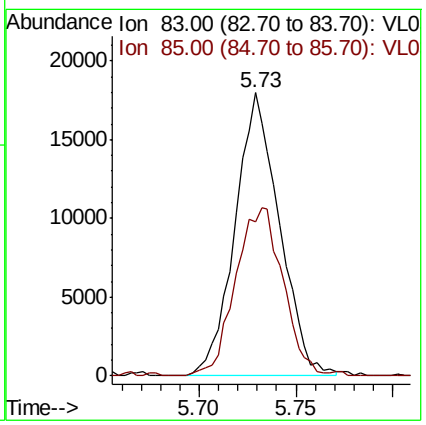


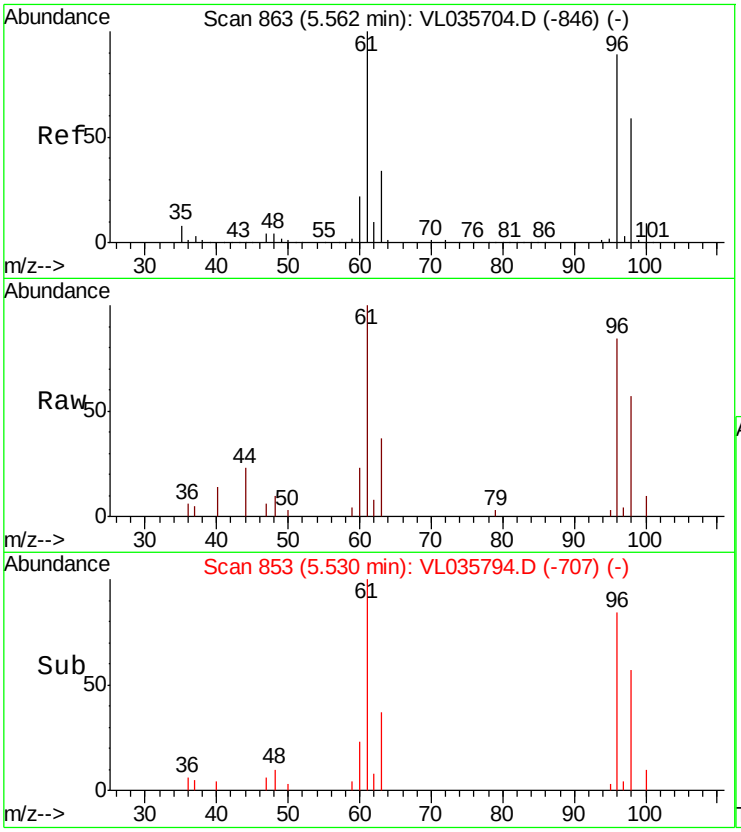


#29
Chloroform
Concen: 0.114 ppbv
RT: 5.73 min Scan# 915
Delta R.T. -0.04 min
Lab File: VL035794.D
Acq: 19 Oct 2020 14:39

Tgt Ion: 83 Resp: 28675

Ion	Ratio	Lower	Upper
83	100		
85	54.3	54.0	81.0



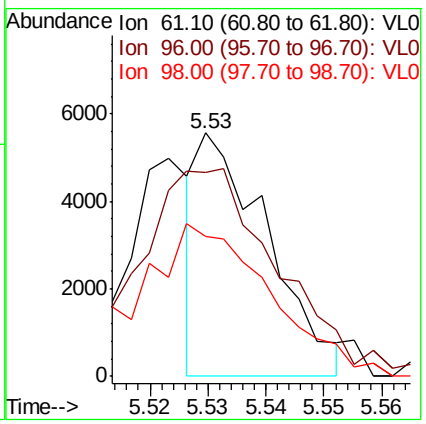


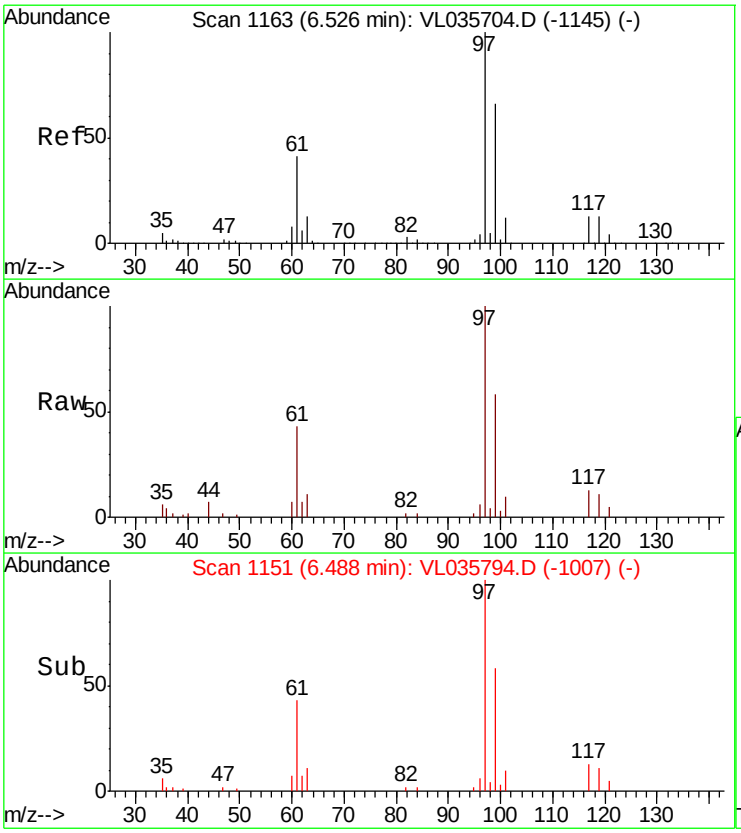
#31
cis-1,2-Dichloroethene
Concen: 0.039 ppbv
RT: 5.53 min Scan# 853
Delta R.T. -0.03 min
Lab File: VL035794.D
Acq: 19 Oct 2020 14:39

Instrument :
MSVOA_L
ClientSampleId :
MDL-AIR-01-QT4-2020

Tgt Ion: 61 Resp: 4657

Ion	Ratio	Lower	Upper
61	100		
96	75.6	71.4	107.2
98	51.6	47.4	71.2

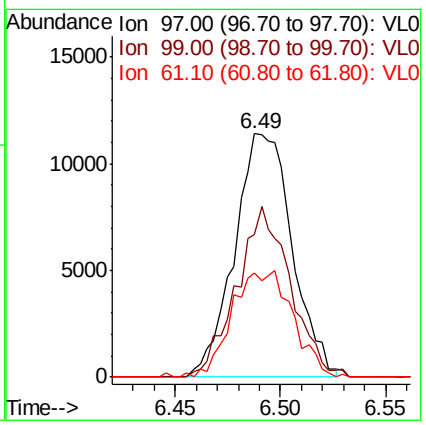


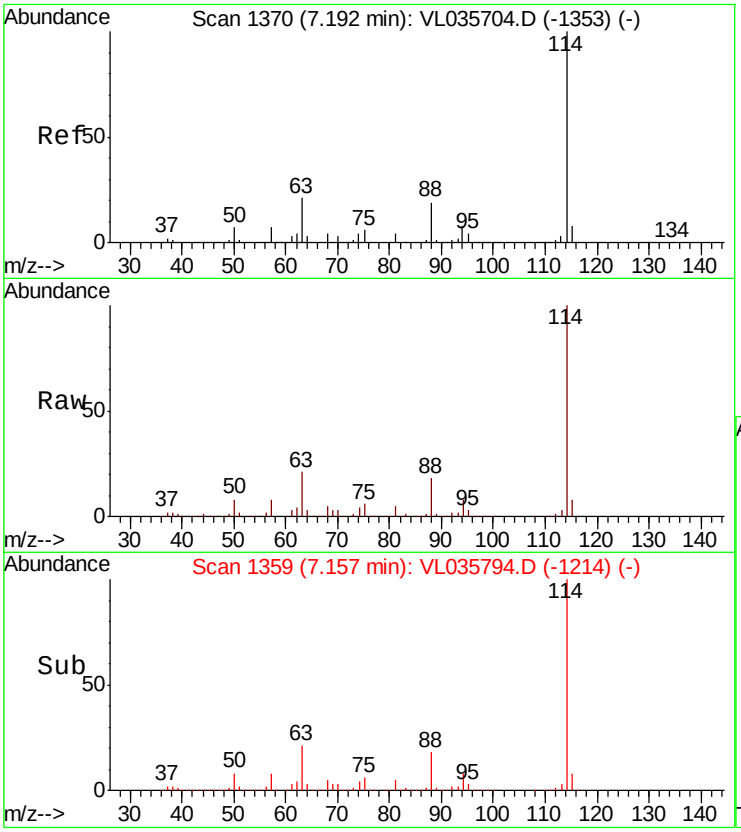


#32
1,1,1-Trichloroethane
Concen: 0.098 ppbv
RT: 6.49 min Scan# 1151
Delta R.T. -0.04 min
Lab File: VL035794.D
Acq: 19 Oct 2020 14:39

Tgt Ion: 97 Resp: 21698

Ion	Ratio	Lower	Upper
97	100		
99	65.0	52.7	79.1
61	46.1	32.7	49.1



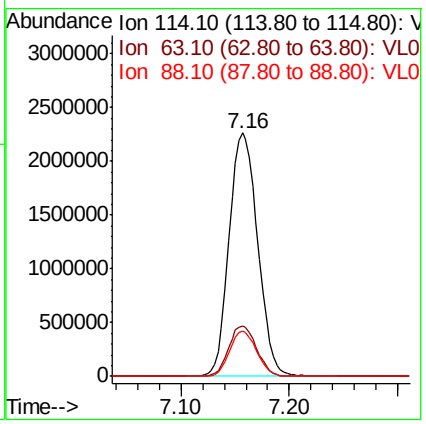


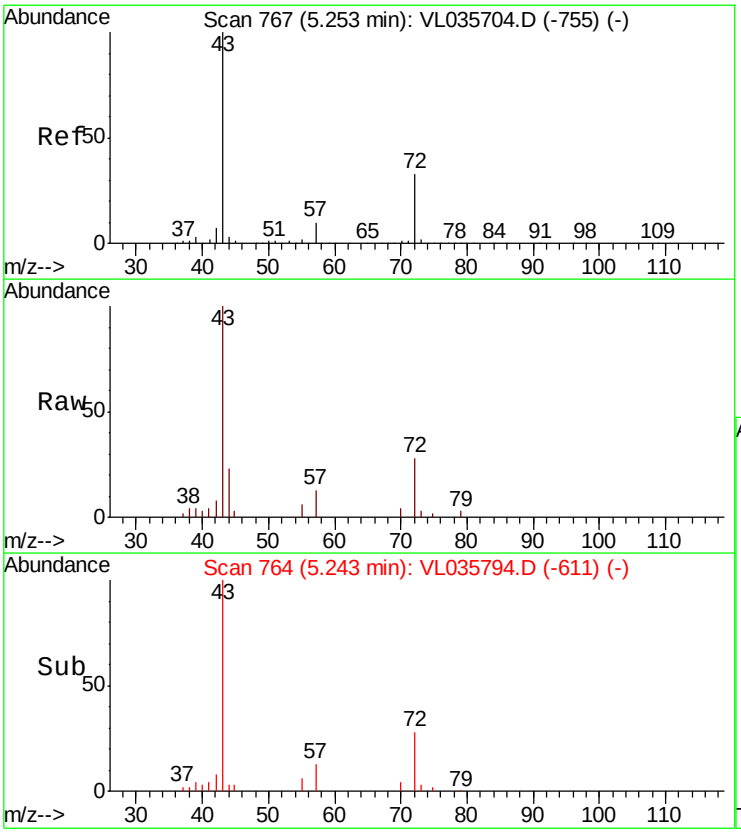
#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 7.16 min Scan# 1359
Delta R.T. -0.04 min
Lab File: VL035794.D
Acq: 19 Oct 2020 14:39

Instrument :
MSVOA_L
ClientSampleId :
MDL-AIR-01-QT4-2020

Tgt Ion:114 Resp: 4191975

Ion	Ratio	Lower	Upper
114	100		
63	20.4	16.1	24.1
88	17.6	14.1	21.1

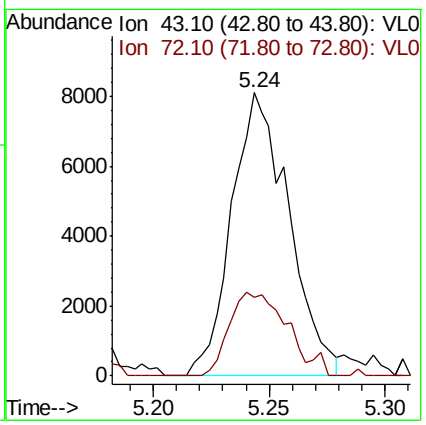


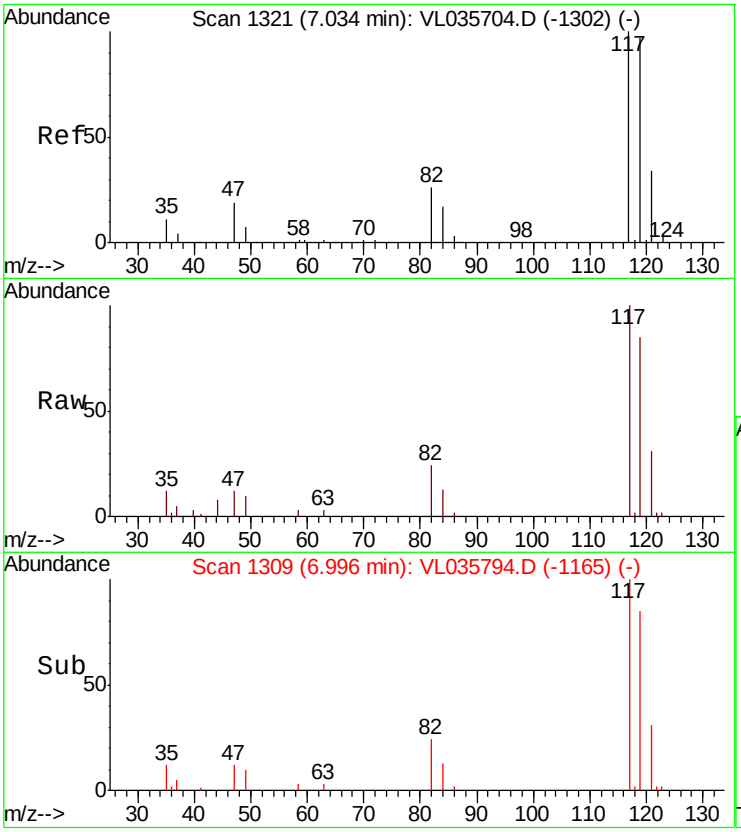


#34
2-Butanone
Concen: 0.100 ppbv
RT: 5.24 min Scan# 764
Delta R.T. -0.01 min
Lab File: VL035794.D
Acq: 19 Oct 2020 14:39

Tgt Ion: 43 Resp: 13865

Ion	Ratio	Lower	Upper
43	100		
72	30.3	26.1	39.1



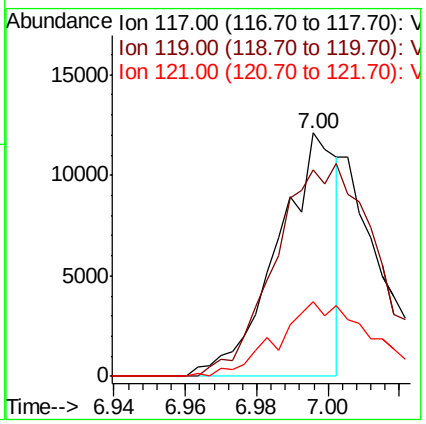


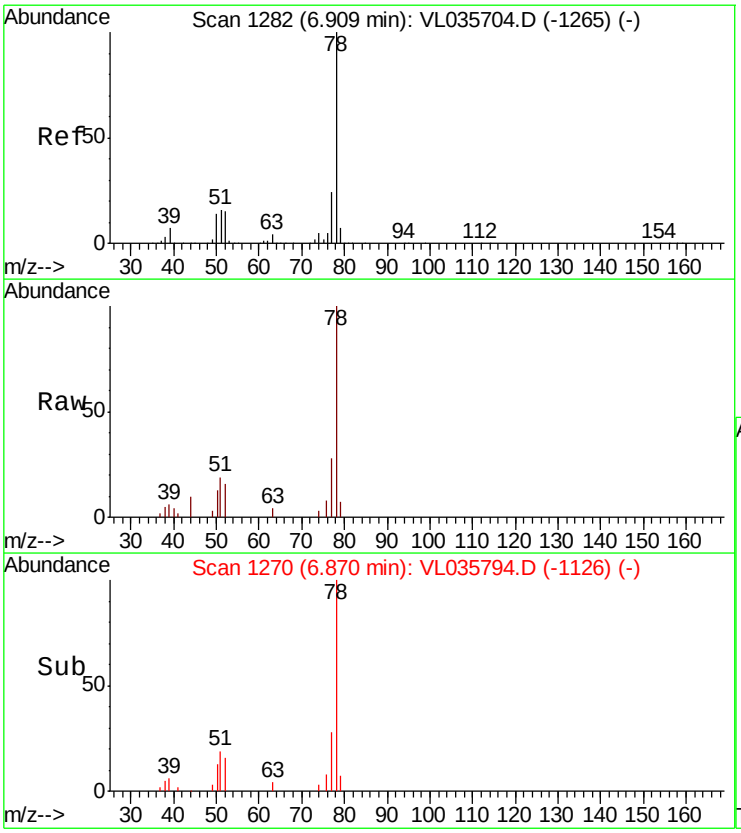
#35
Carbon Tetrachloride
Concen: 0.063 ppbv
RT: 7.00 min Scan# 1309
Delta R.T. -0.04 min
Lab File: VL035794.D
Acq: 19 Oct 2020 14:39

Instrument :
MSVOA_L
ClientSampleId :
MDL-AIR-01-QT4-2020

Tgt Ion:117 Resp: 13862

Ion	Ratio	Lower	Upper
117	100		
119	84.6	77.7	116.5
121	30.7	26.9	40.3

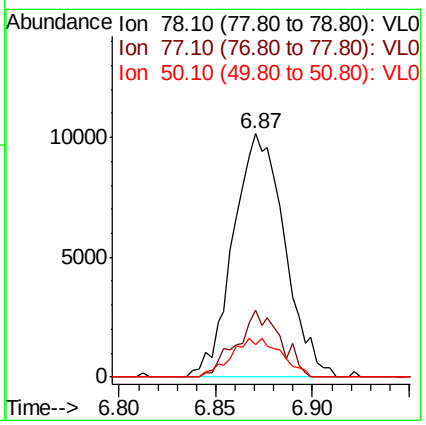


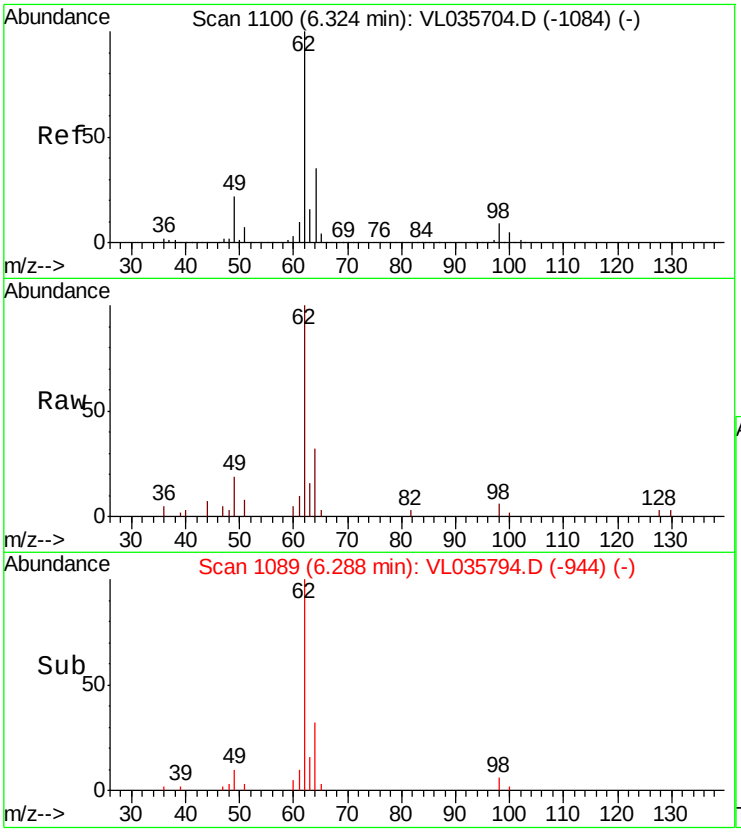


#36
Benzene
Concen: 0.068 ppbv
RT: 6.87 min Scan# 1270
Delta R.T. -0.04 min
Lab File: VL035794.D
Acq: 19 Oct 2020 14:39

Tgt Ion: 78 Resp: 18706

Ion	Ratio	Lower	Upper
78	100		
77	27.6	19.3	28.9
50	13.3	11.6	17.4



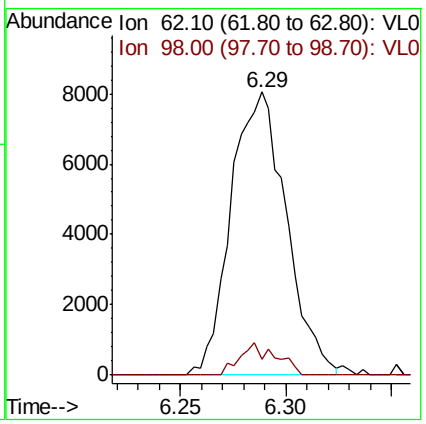


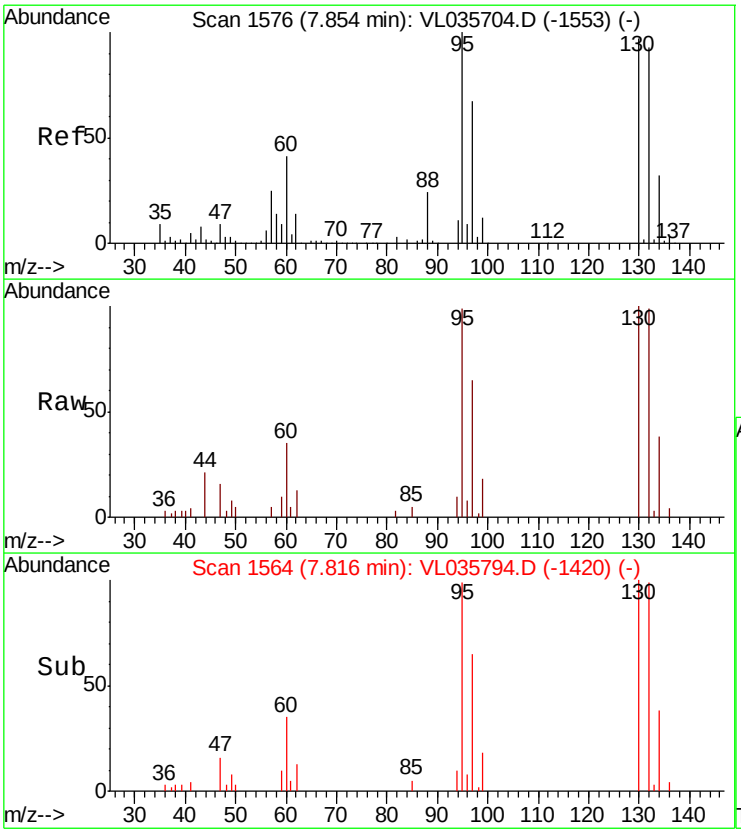
#37
1,2-Dichloroethane
Concen: 0.103 ppbv
RT: 6.29 min Scan# 1089
Delta R.T. -0.04 min
Lab File: VL035794.D
Acq: 19 Oct 2020 14:39

Instrument :
MSVOA_L
ClientSampleId :
MDL-AIR-01-QT4-2020

Tgt Ion: 62 Resp: 14626

Ion	Ratio	Lower	Upper
62	100		
98	7.4	6.9	10.3

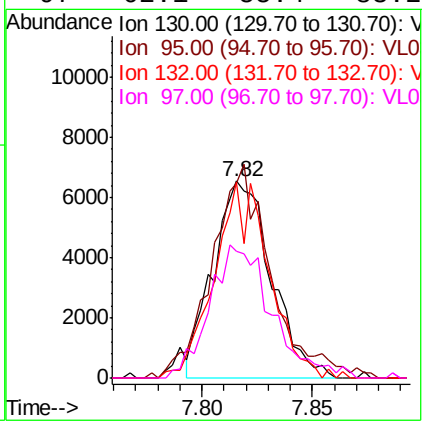


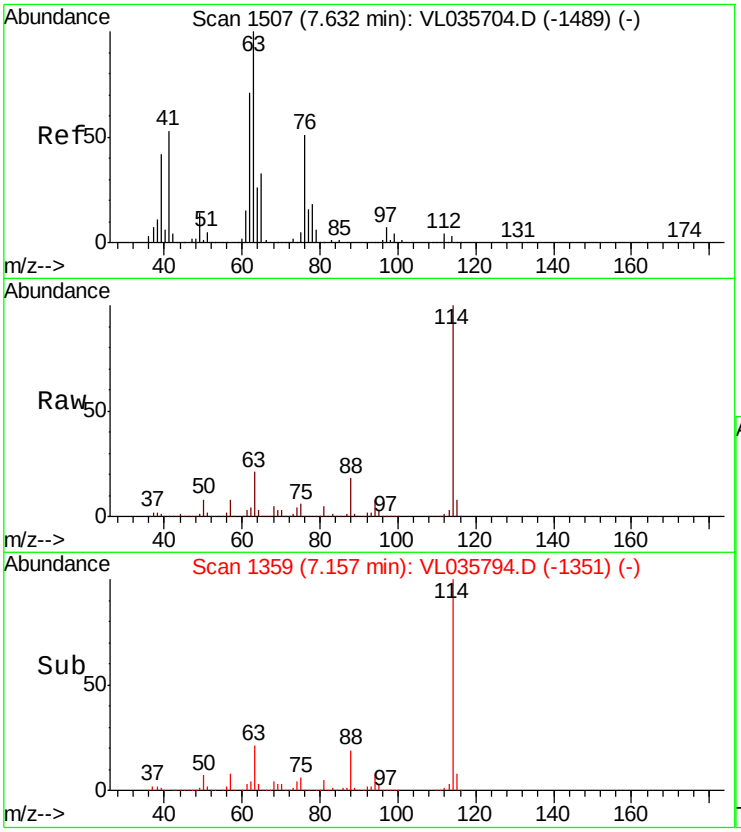


#38
Trichloroethene
Concen: 0.088 ppbv
RT: 7.82 min Scan# 1564
Delta R.T. -0.04 min
Lab File: VL035794.D
Acq: 19 Oct 2020 14:39

Tgt Ion:130 Resp: 11968

Ion	Ratio	Lower	Upper
130	100		
95	92.4	82.4	123.6
132	99.2	76.8	115.2
97	62.1	55.4	83.2



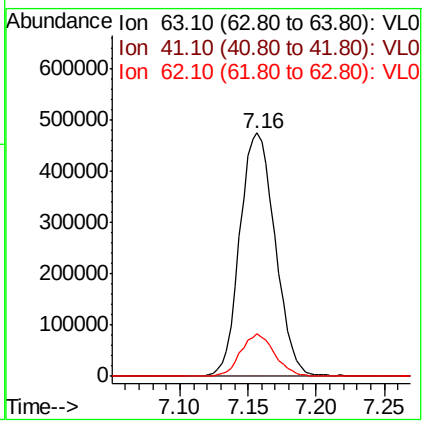


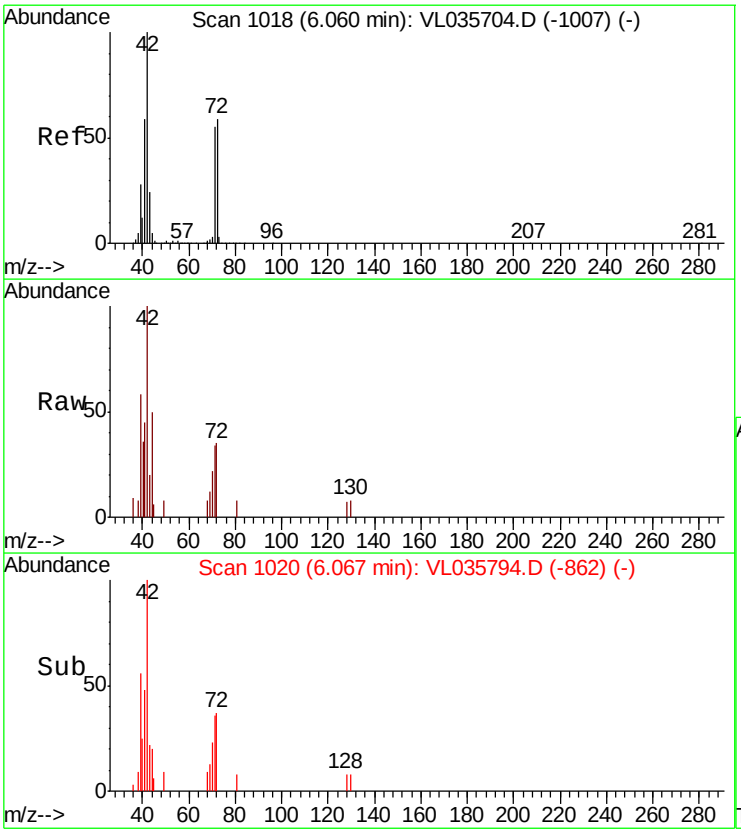
#39
1,2-Dichloropropane
Concen: 8.592 ppbv
RT: 7.16 min Scan# 1359
Delta R.T. -0.48 min
Lab File: VL035794.D
Acq: 19 Oct 2020 14:39

Instrument :
MSVOA_L
ClientSampleId :
MDL-AIR-01-QT4-2020

Tgt Ion: 63 Resp: 850675

Ion	Ratio	Lower	Upper
63	100		
41	0.1	42.6	63.8#
62	17.3	56.5	84.7#

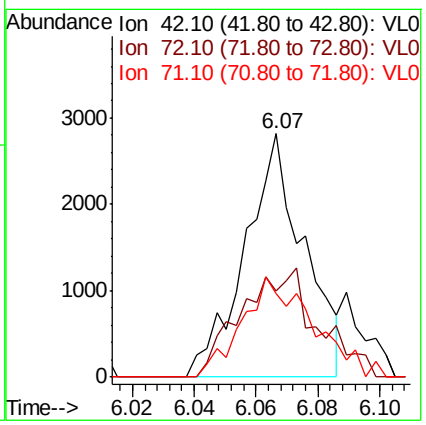


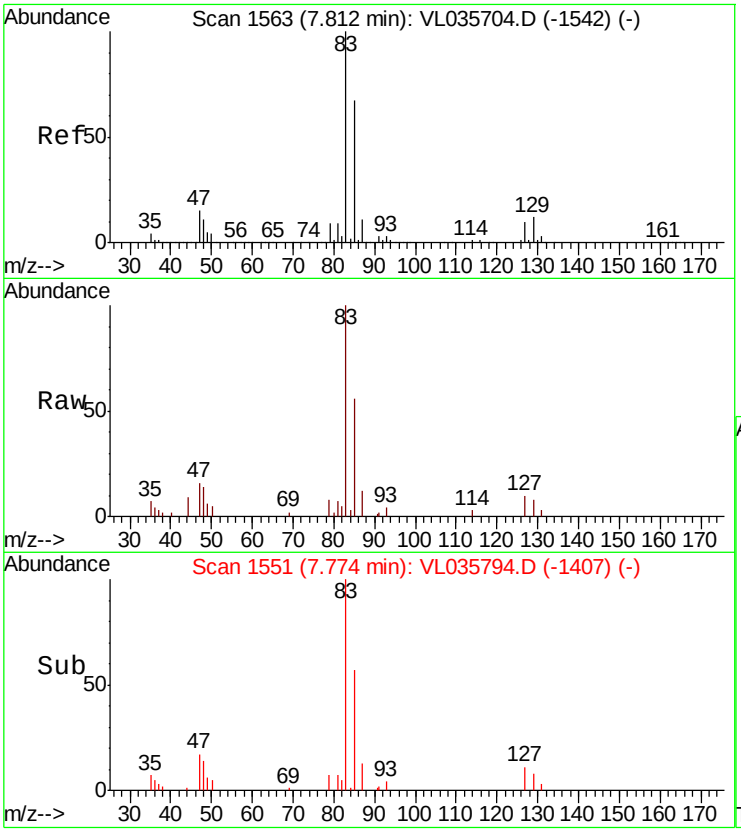


#41
Tetrahydrofuran
Concen: 0.054 ppbv
RT: 6.07 min Scan# 1020
Delta R.T. 0.01 min
Lab File: VL035794.D
Acq: 19 Oct 2020 14:39

Tgt Ion: 42 Resp: 3739

Ion	Ratio	Lower	Upper
42	100		
72	57.8	46.2	69.4
71	49.5	44.2	66.4



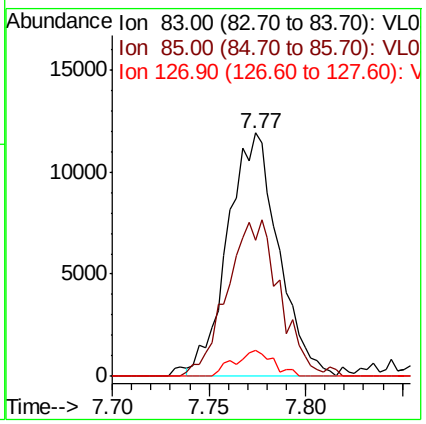


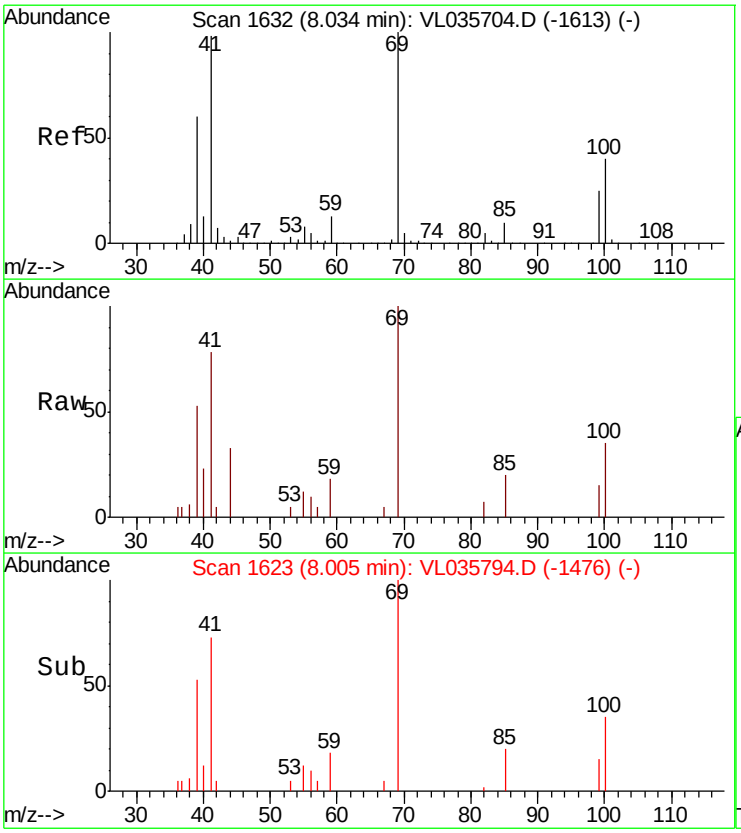
#42
Bromodichloromethane
Concen: 0.095 ppbv
RT: 7.77 min Scan# 1551
Delta R.T. -0.04 min
Lab File: VL035794.D
Acq: 19 Oct 2020 14:39

Instrument :
MSVOA_L
ClientSampleId :
MDL-AIR-01-QT4-2020

Tgt Ion: 83 Resp: 21742

Ion	Ratio	Lower	Upper
83	100		
85	54.4	53.4	80.0
127	10.5	7.8	11.6

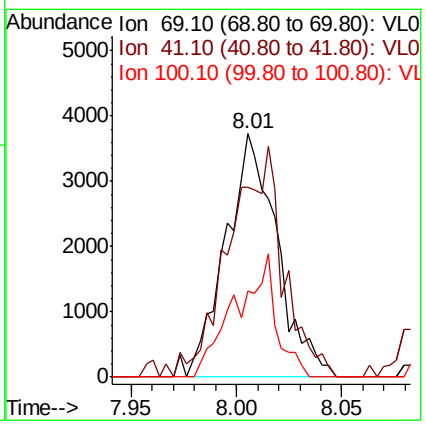


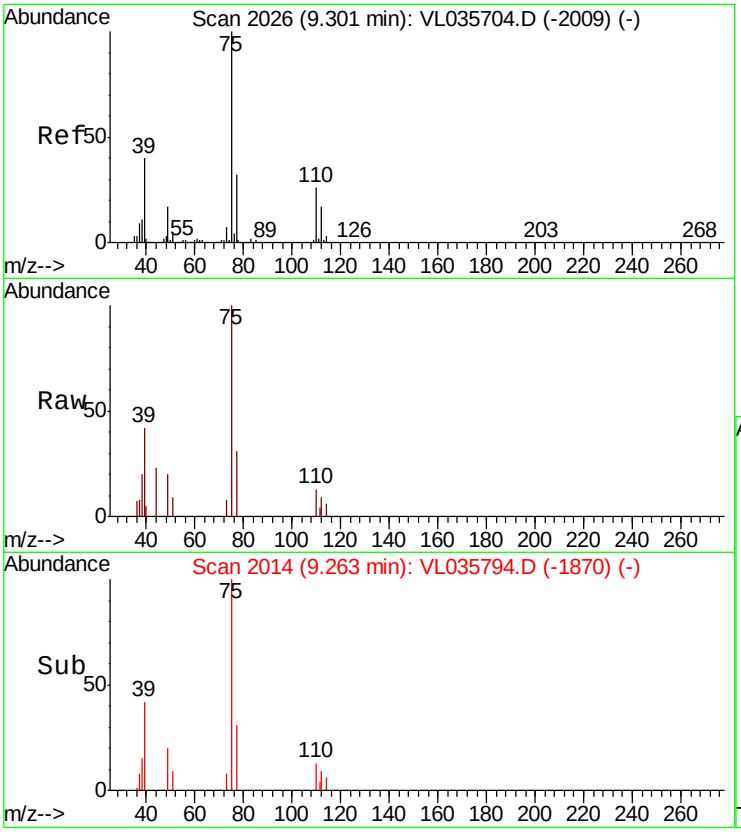


#43
Methyl Methacrylate
Concen: 0.058 ppbv
RT: 8.01 min Scan# 1623
Delta R.T. -0.03 min
Lab File: VL035794.D
Acq: 19 Oct 2020 14:39

Tgt Ion: 69 Resp: 6342

Ion	Ratio	Lower	Upper
69	100		
41	101.3	79.8	119.6
100	40.2	30.6	46.0



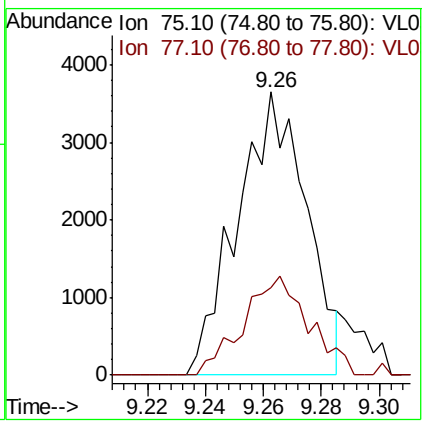


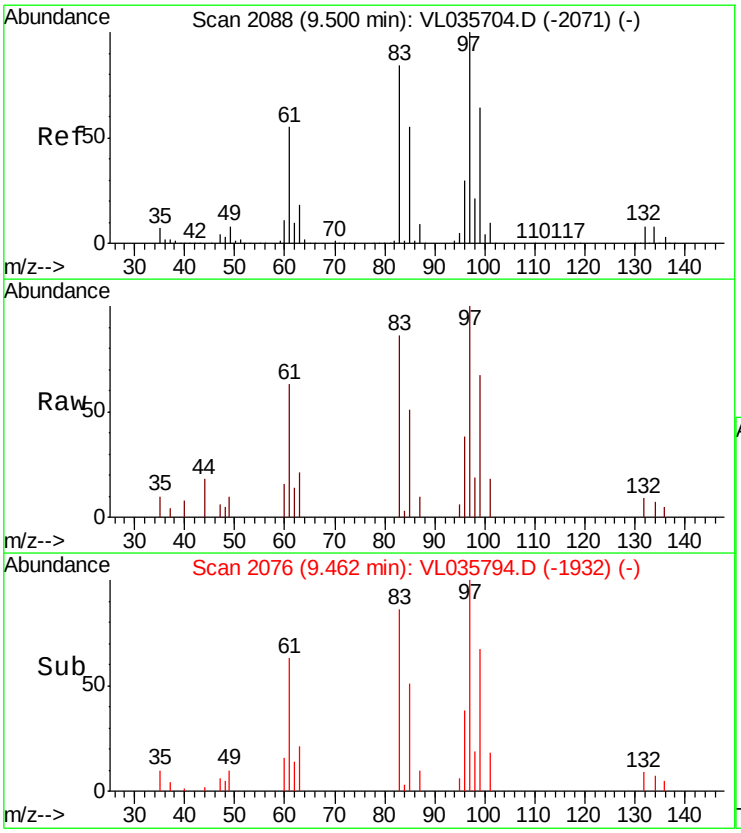
#45
t-1,3-Dichloropropene
Concen: 0.055 ppbv
RT: 9.26 min Scan# 2014
Delta R.T. -0.04 min
Lab File: VL035794.D
Acq: 19 Oct 2020 14:39

Instrument :
MSVOA_L
ClientSampleId :
MDL-AIR-01-QT4-2020

Tgt Ion: 75 Resp: 6015

Ion	Ratio	Lower	Upper
75	100		
77	30.7	25.9	38.9

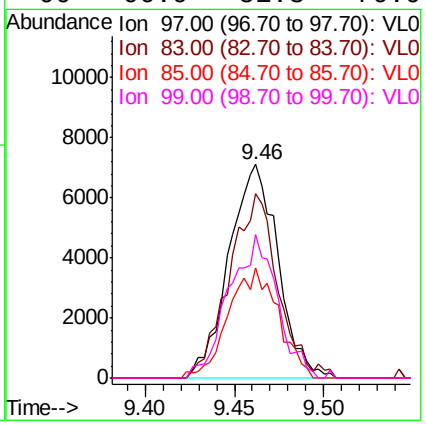


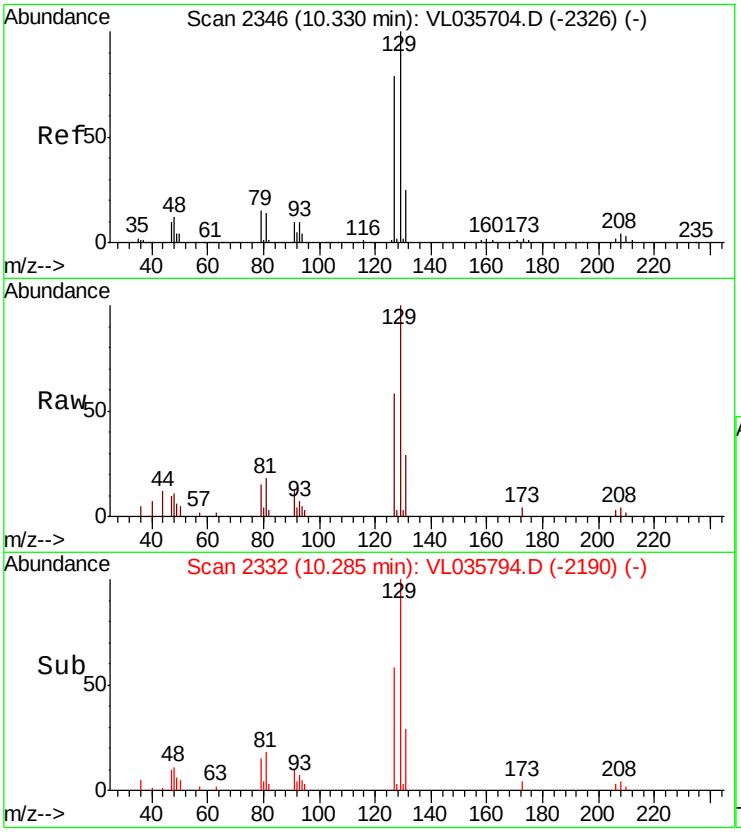


#47
1,1,2-Trichloroethane
Concen: 0.096 ppbv
RT: 9.46 min Scan# 2076
Delta R.T. -0.04 min
Lab File: VL035794.D
Acq: 19 Oct 2020 14:39

Tgt Ion: 97 Resp: 13589

Ion	Ratio	Lower	Upper
97	100		
83	86.1	67.1	100.7
85	51.3	43.9	65.9
99	66.9	51.3	76.9



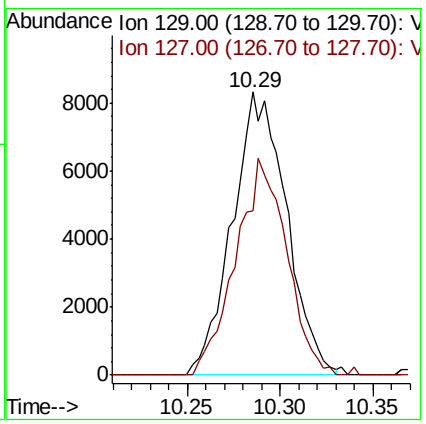


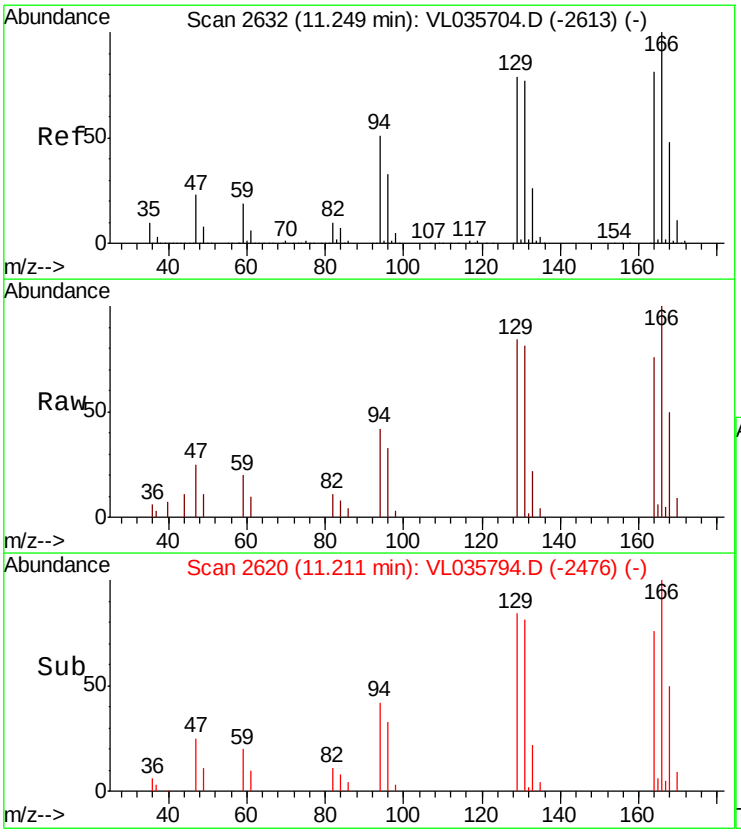
#48
Dibromochloromethane
Concen: 0.078 ppbv
RT: 10.29 min Scan# 2332
Delta R.T. -0.04 min
Lab File: VL035794.D
Acq: 19 Oct 2020 14:39

Instrument :
MSVOA_L
ClientSampleId :
MDL-AIR-01-QT4-2020

Tgt Ion:129 Resp: 16853

Ion	Ratio	Lower	Upper
129	100		
127	72.4	39.4	118.1

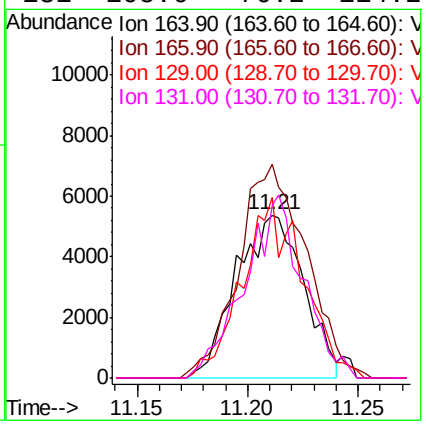


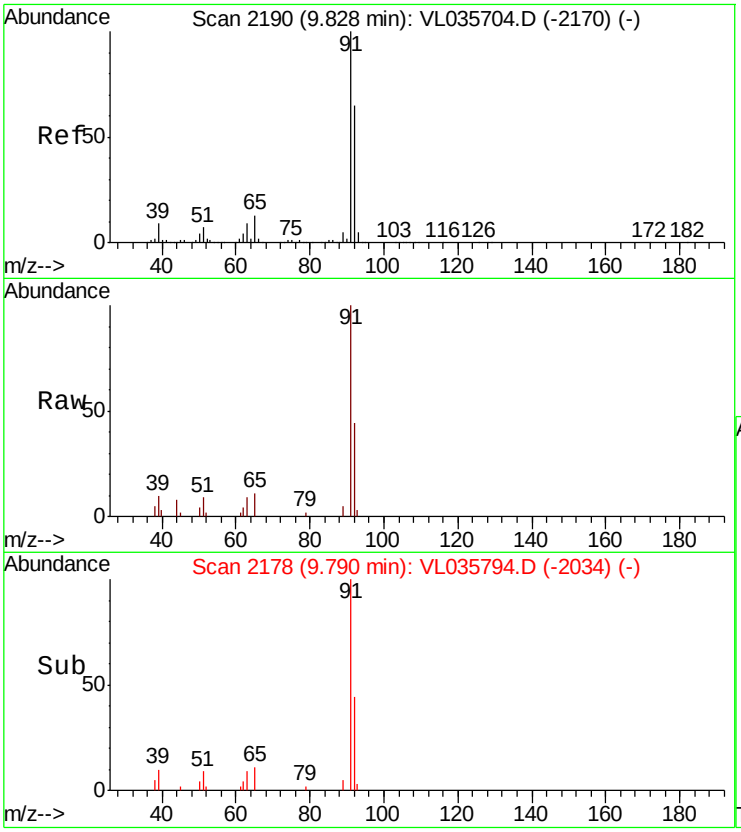


#52
Tetrachloroethene
Concen: 0.087 ppbv
RT: 11.21 min Scan# 2620
Delta R.T. -0.04 min
Lab File: VL035794.D
Acq: 19 Oct 2020 14:39

Tgt Ion:164 Resp: 11396

Ion	Ratio	Lower	Upper
164	100		
166	128.1	98.7	148.1
129	110.5	78.4	117.6
131	105.6	76.2	114.2



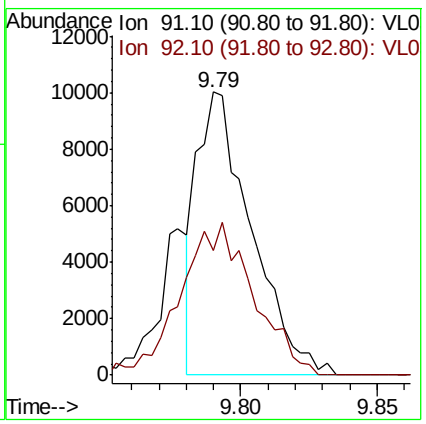


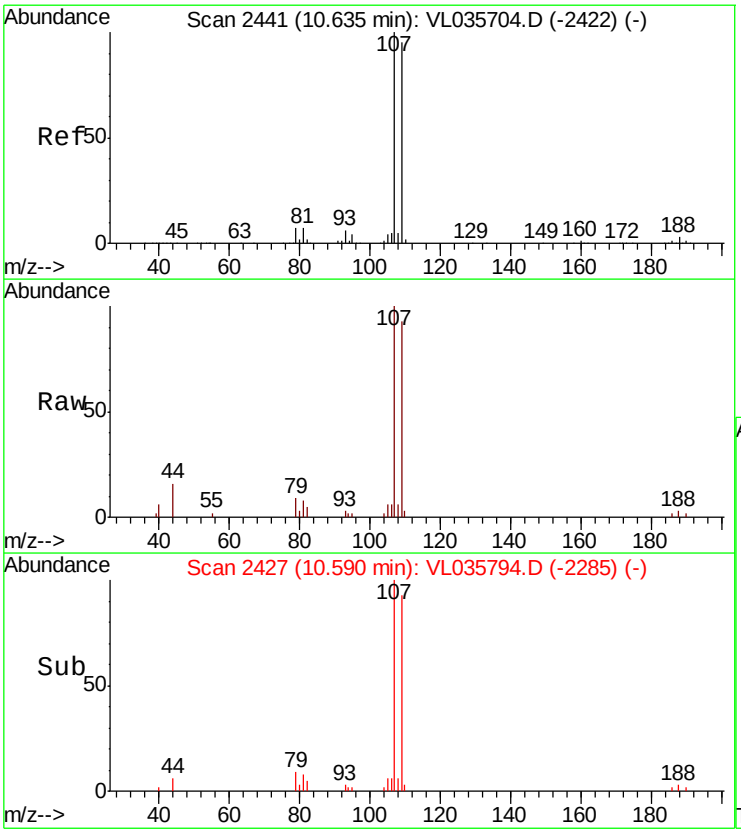
#53
Toluene
Concen: 0.043 ppbv
RT: 9.79 min Scan# 2178
Delta R.T. -0.04 min
Lab File: VL035794.D
Acq: 19 Oct 2020 14:39

Instrument :
MSVOA_L
ClientSampleId :
MDL-AIR-01-QT4-2020

Tgt Ion: 91 Resp: 13839

Ion	Ratio	Lower	Upper
91	100		
92	72.6	50.0	75.0

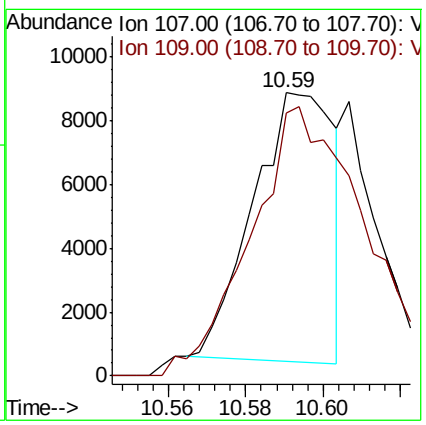


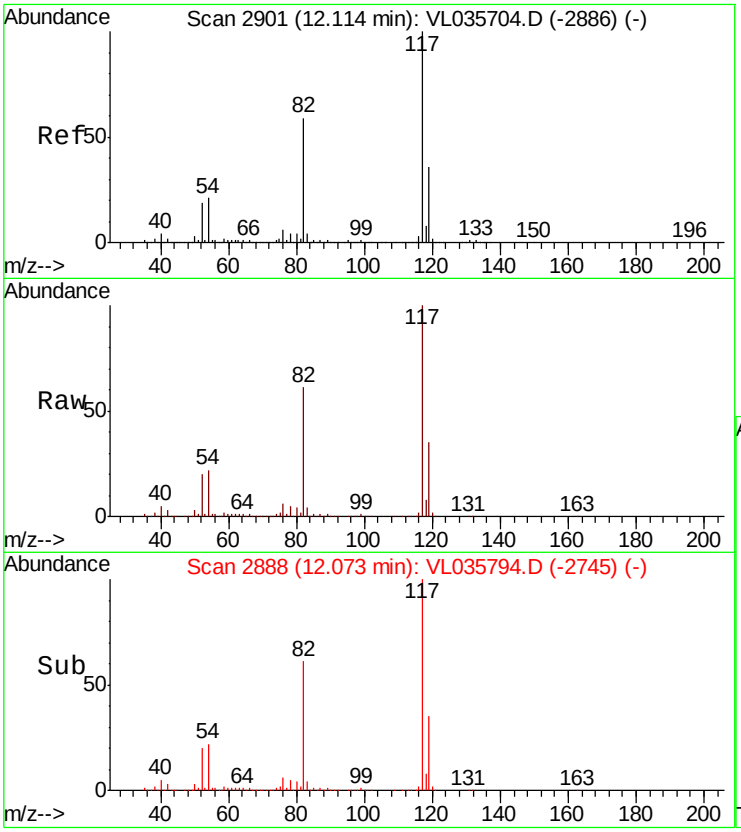


#54
1,2-Dibromoethane
Concen: 0.057 ppbv
RT: 10.59 min Scan# 2427
Delta R.T. -0.04 min
Lab File: VL035794.D
Acq: 19 Oct 2020 14:39

Tgt Ion:107 Resp: 12164

Ion	Ratio	Lower	Upper
107	100		
109	93.6	76.0	114.0



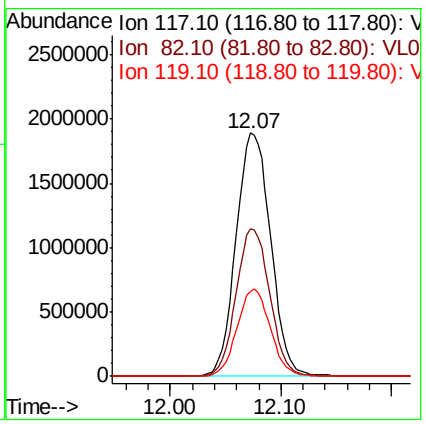


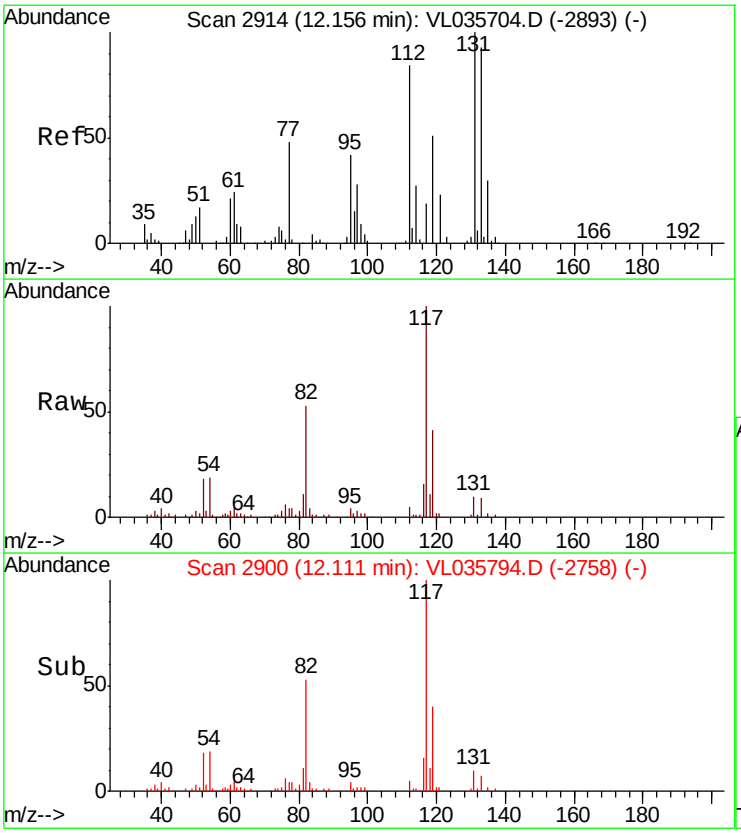
#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 12.07 min Scan# 2888
Delta R.T. -0.04 min
Lab File: VL035794.D
Acq: 19 Oct 2020 14:39

Instrument :
MSVOA_L
ClientSampleId :
MDL-AIR-01-QT4-2020

Tgt Ion:117 Resp: 4115691

Ion	Ratio	Lower	Upper
117	100		
82	59.2	46.1	69.1
119	34.5	28.0	42.0

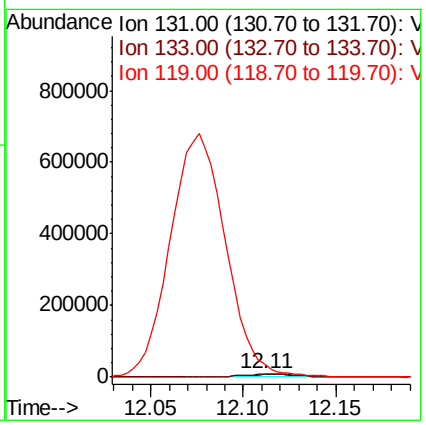


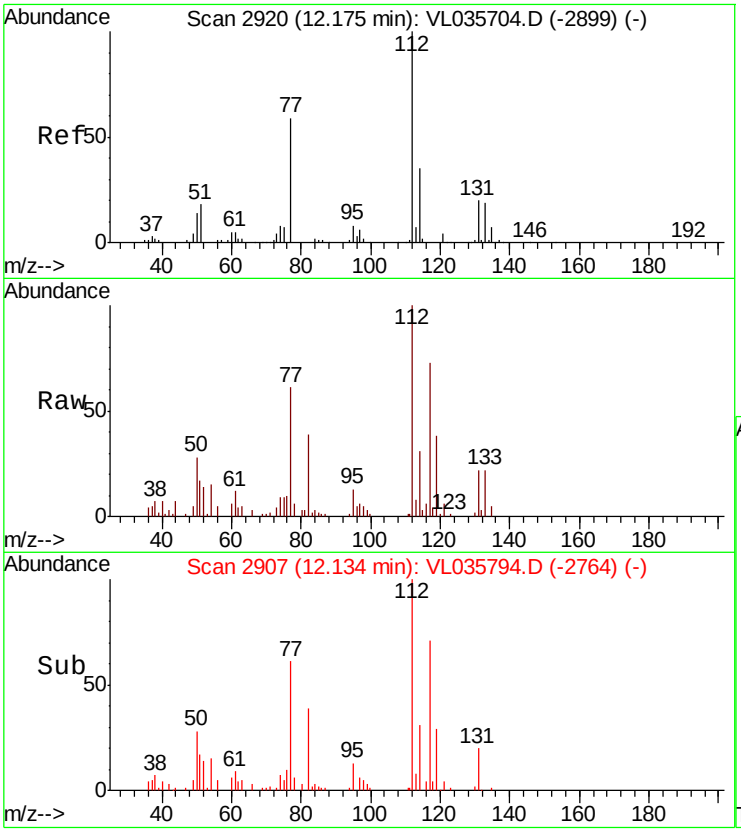


#56
1,1,1,2-Tetrachloroethane
Concen: 0.102 ppbv
RT: 12.11 min Scan# 2900
Delta R.T. -0.04 min
Lab File: VL035794.D
Acq: 19 Oct 2020 14:39

Tgt Ion:131 Resp: 17648

Ion	Ratio	Lower	Upper
131	100		
133	91.9	76.2	114.4
119	8049.4	52.4	78.6#



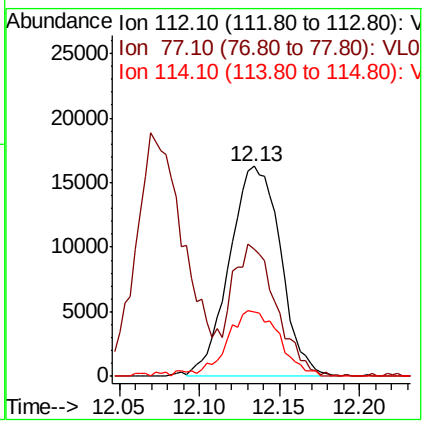


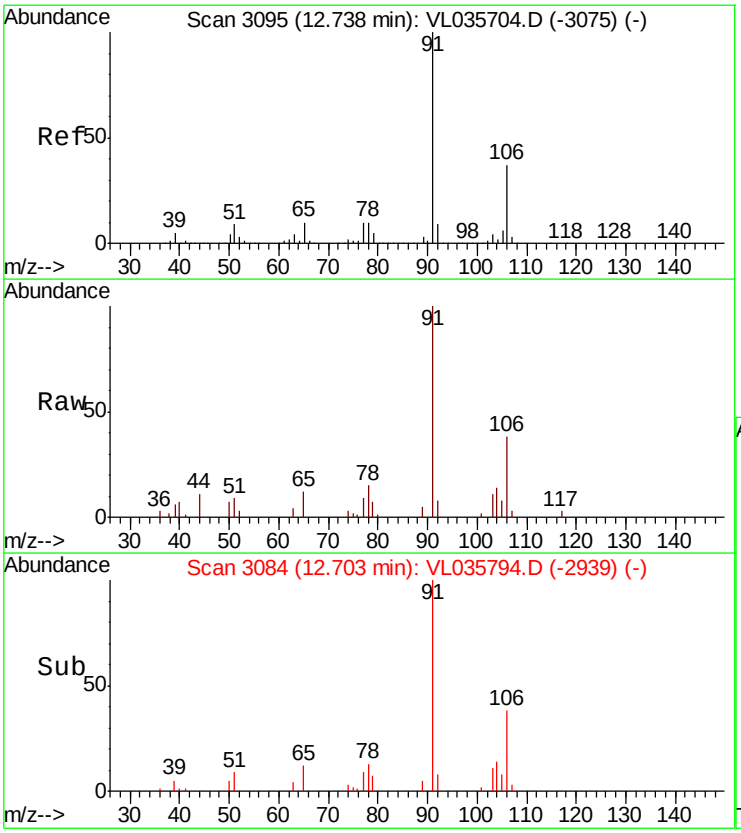
#57
Chlorobenzene
Concen: 0.114 ppbv
RT: 12.13 min Scan# 2907
Delta R.T. -0.04 min
Lab File: VL035794.D
Acq: 19 Oct 2020 14:39

Instrument :
MSVOA_L
ClientSampleId :
MDL-AIR-01-QT4-2020

Tgt Ion:112 Resp: 35563

Ion	Ratio	Lower	Upper
112	100		
77	59.6	48.2	72.2
114	30.5	31.9	39.1#

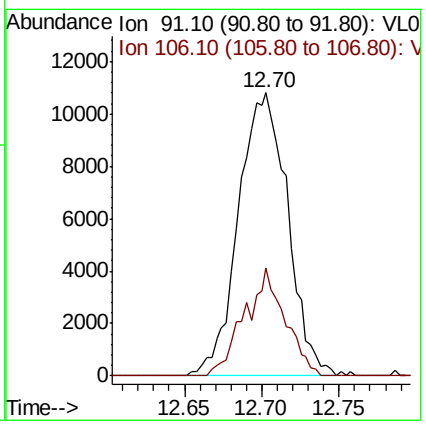


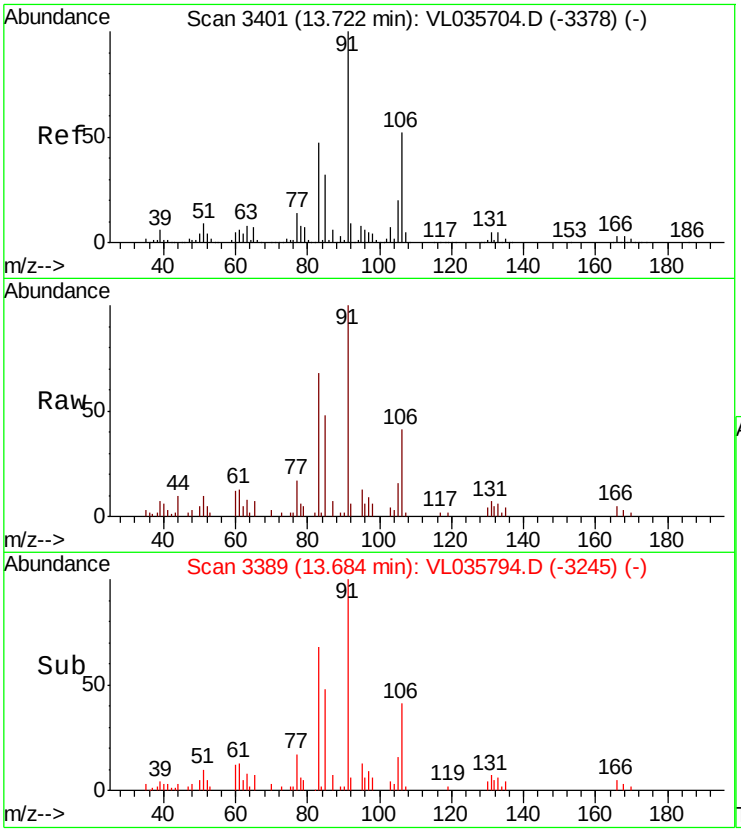


#58
Ethyl Benzene
Concen: 0.058 ppbv
RT: 12.70 min Scan# 3084
Delta R.T. -0.04 min
Lab File: VL035794.D
Acq: 19 Oct 2020 14:39

Tgt Ion: 91 Resp: 23859

Ion	Ratio	Lower	Upper
91	100		
106	38.3	29.7	44.5



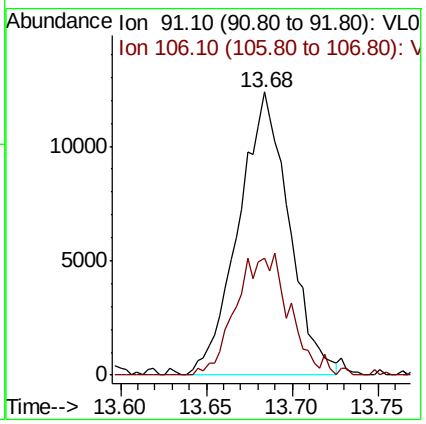


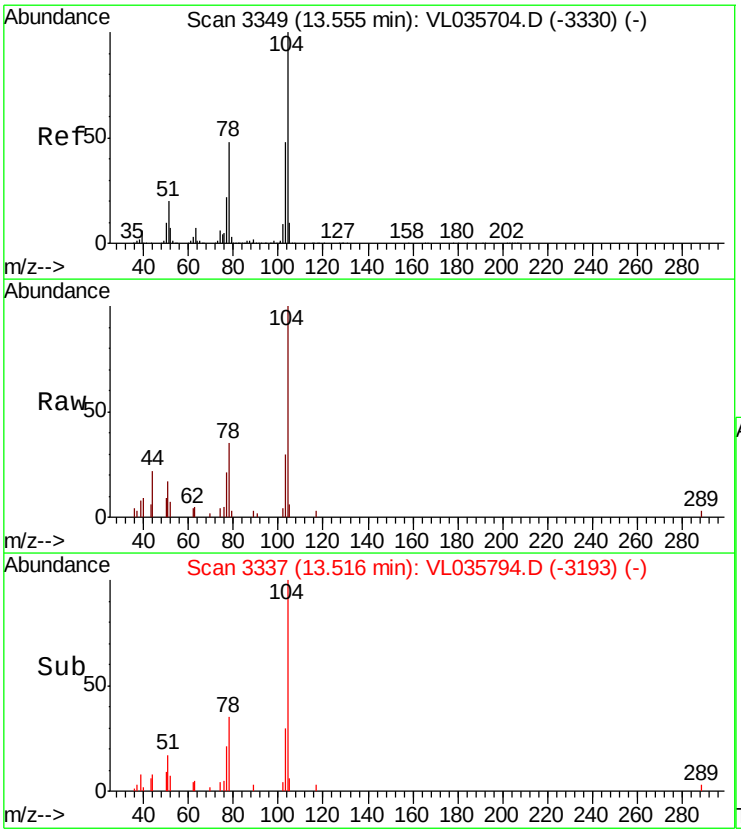
#60
o-Xylene
Concen: 0.069 ppbv
RT: 13.68 min Scan# 3389
Delta R.T. -0.04 min
Lab File: VL035794.D
Acq: 19 Oct 2020 14:39

Instrument :
MSVOA_L
ClientSampleId :
MDL-AIR-01-QT4-2020

Tgt Ion: 91 Resp: 25182

Ion	Ratio	Lower	Upper
91	100		
106	45.3	25.0	75.0

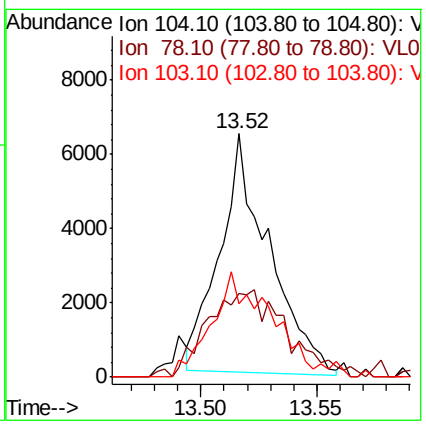


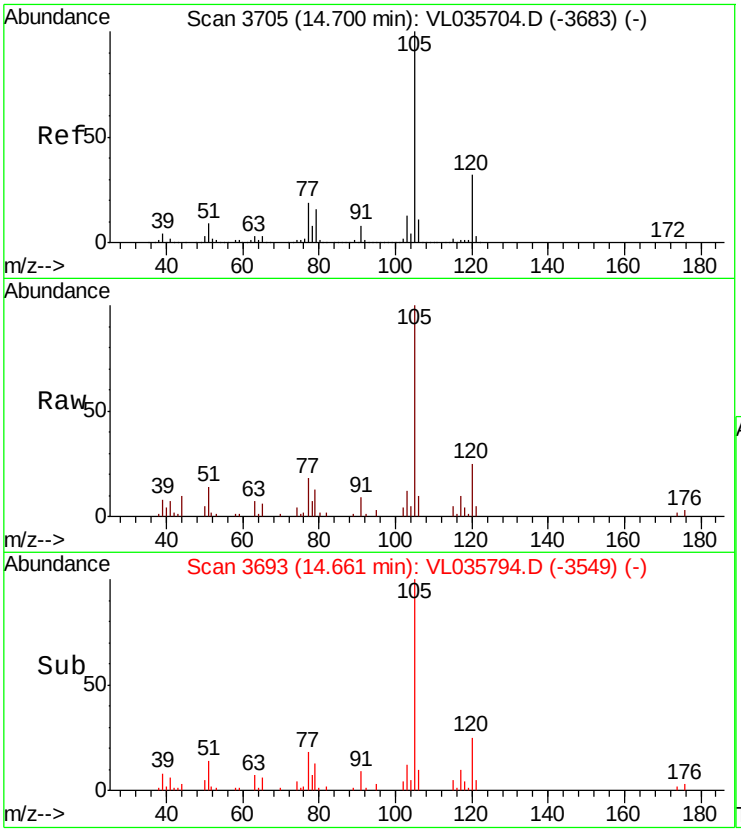


#61
Styrene
Concen: 0.038 ppbv
RT: 13.52 min Scan# 3337
Delta R.T. -0.04 min
Lab File: VL035794.D
Acq: 19 Oct 2020 14:39

Tgt Ion:104 Resp: 9502

Ion	Ratio	Lower	Upper
104	100		
78	59.4	37.2	55.8#
103	54.9	38.2	57.2



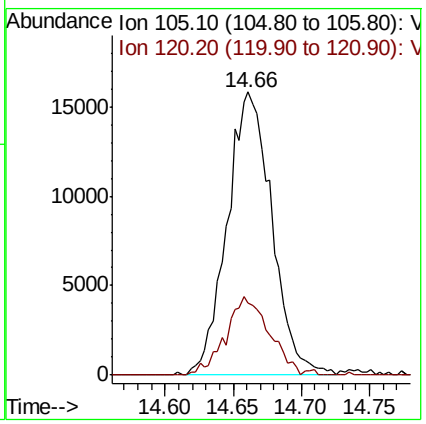


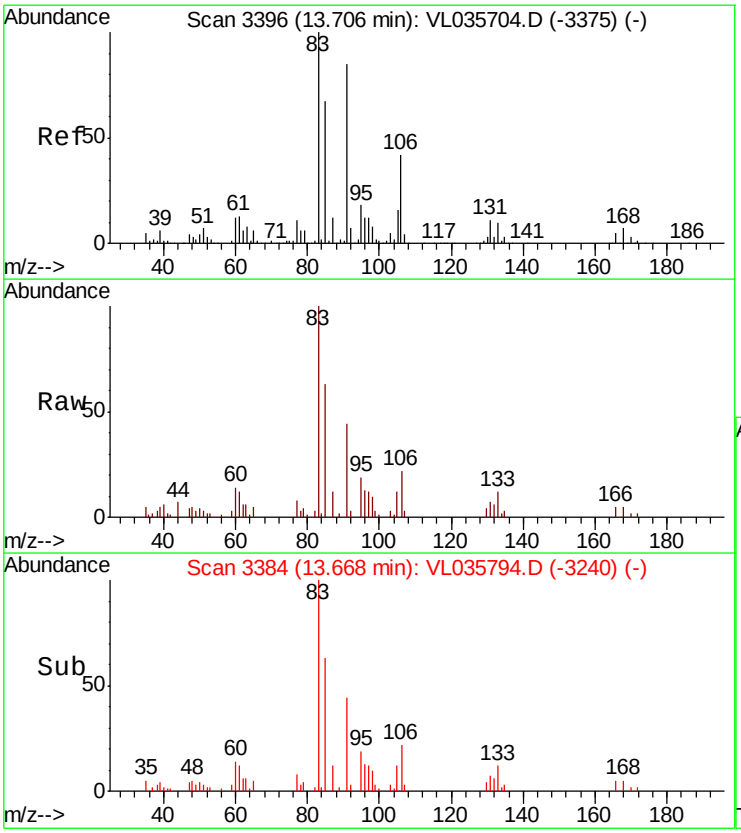
#62
Isopropylbenzene
Concen: 0.064 ppbv
RT: 14.66 min Scan# 3693
Delta R.T. -0.04 min
Lab File: VL035794.D
Acq: 19 Oct 2020 14:39

Instrument :
MSVOA_L
ClientSampleId :
MDL-AIR-01-QT4-2020

Tgt Ion:105 Resp: 36087

Ion	Ratio	Lower	Upper
105	100		
120	27.2	24.1	36.1

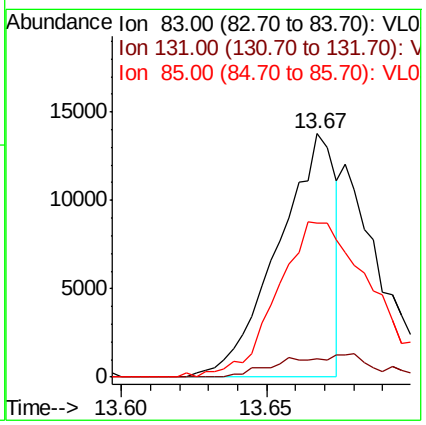


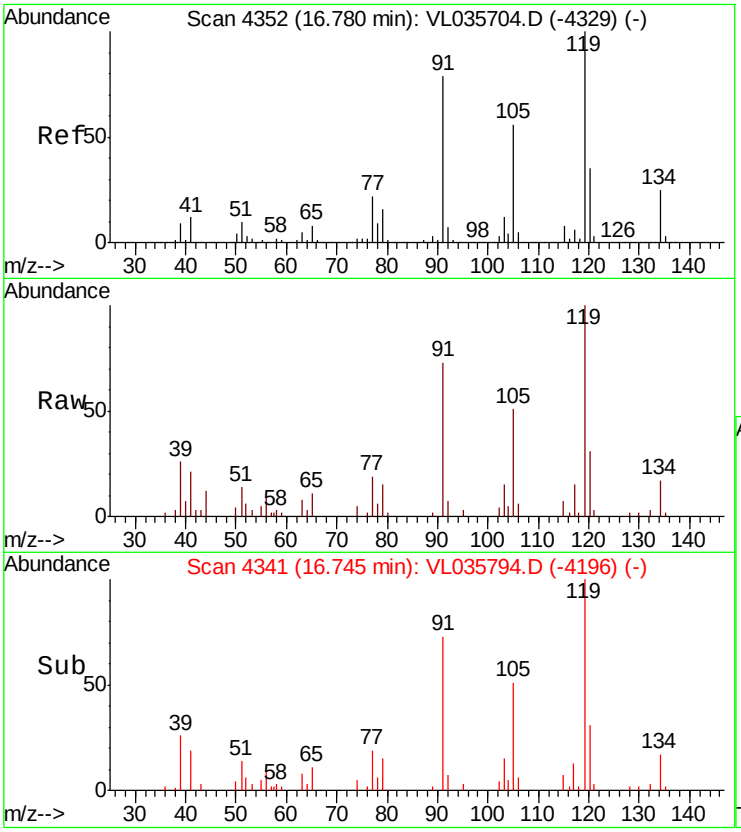


#63
1,1,2,2-Tetrachloroethane
Concen: 0.063 ppbv
RT: 13.67 min Scan# 3384
Delta R.T. -0.04 min
Lab File: VL035794.D
Acq: 19 Oct 2020 14:39

Tgt Ion: 83 Resp: 18955

Ion	Ratio	Lower	Upper
83	100		
131	0.0	5.3	16.1#
85	110.8	33.4	100.2#



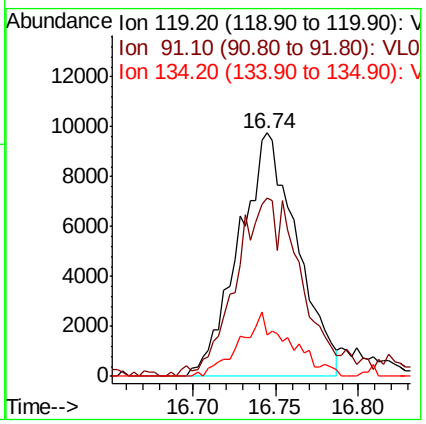


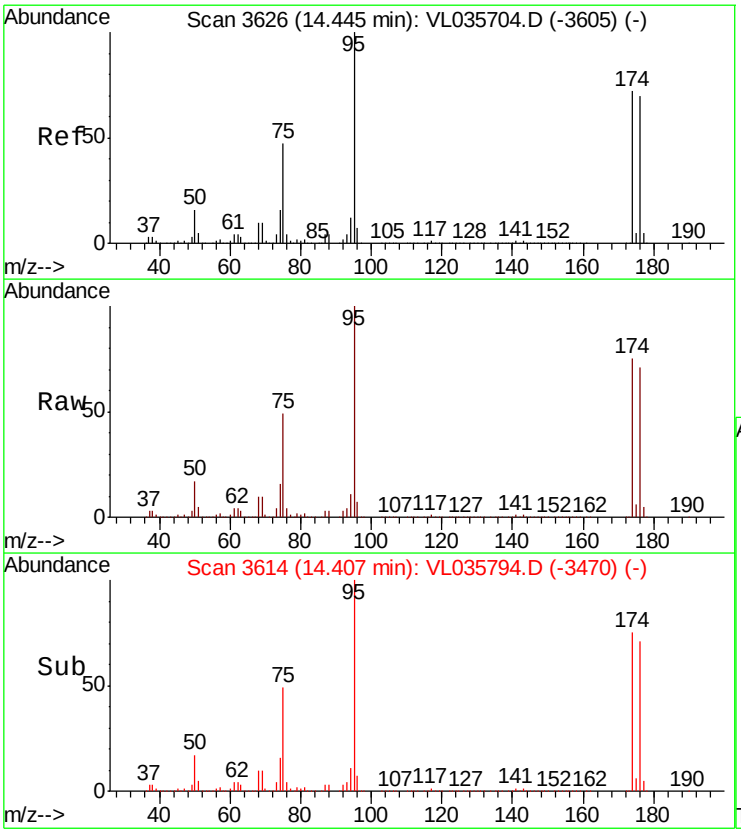
#65
tert-Butylbenzene
Concen: 0.046 ppbv
RT: 16.74 min Scan# 4341
Delta R.T. -0.04 min
Lab File: VL035794.D
Acq: 19 Oct 2020 14:39

Instrument :
MSVOA_L
ClientSampleId :
MDL-AIR-01-QT4-2020

Tgt Ion:119 Resp: 23812

Ion	Ratio	Lower	Upper
119	100		
91	89.8	62.4	93.6
134	23.0	18.2	27.2

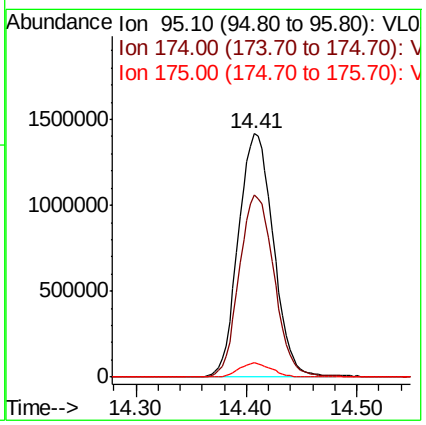


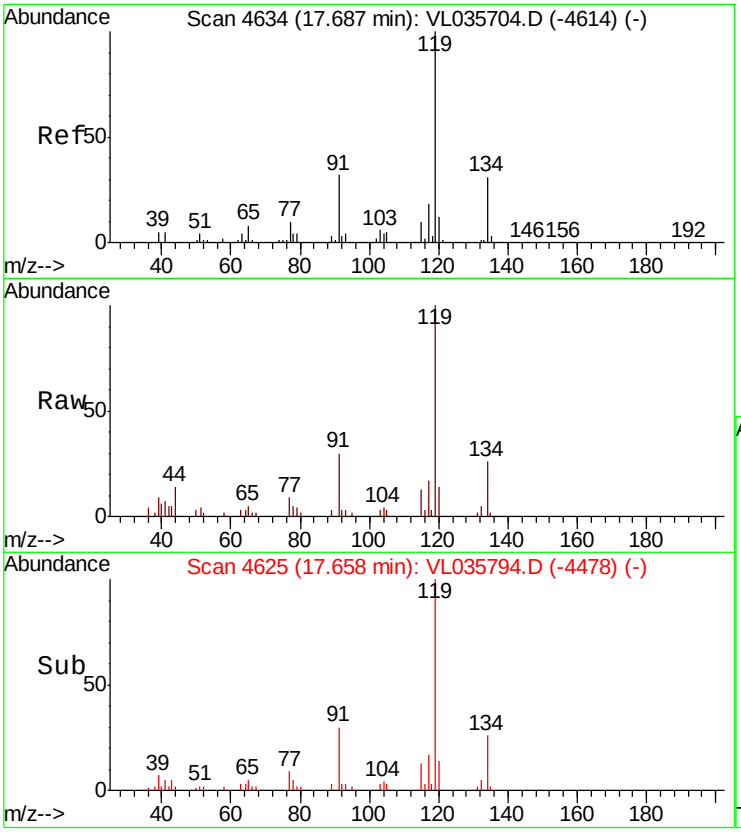


#68
1-Bromo-4-Fluorobenzene
Concen: 10.120 ppbv
RT: 14.41 min Scan# 3614
Delta R.T. -0.04 min
Lab File: VL035794.D
Acq: 19 Oct 2020 14:39

Tgt Ion: 95 Resp: 3121131

Ion	Ratio	Lower	Upper
95	100		
174	75.5	59.6	89.4
175	5.5	4.2	6.4



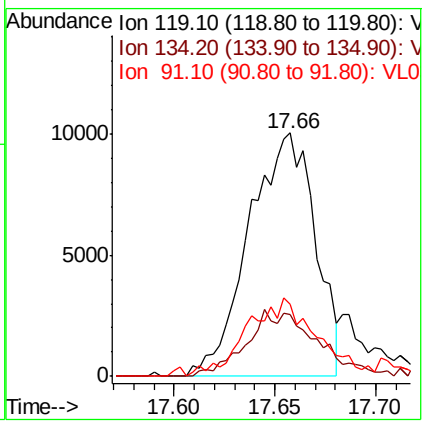


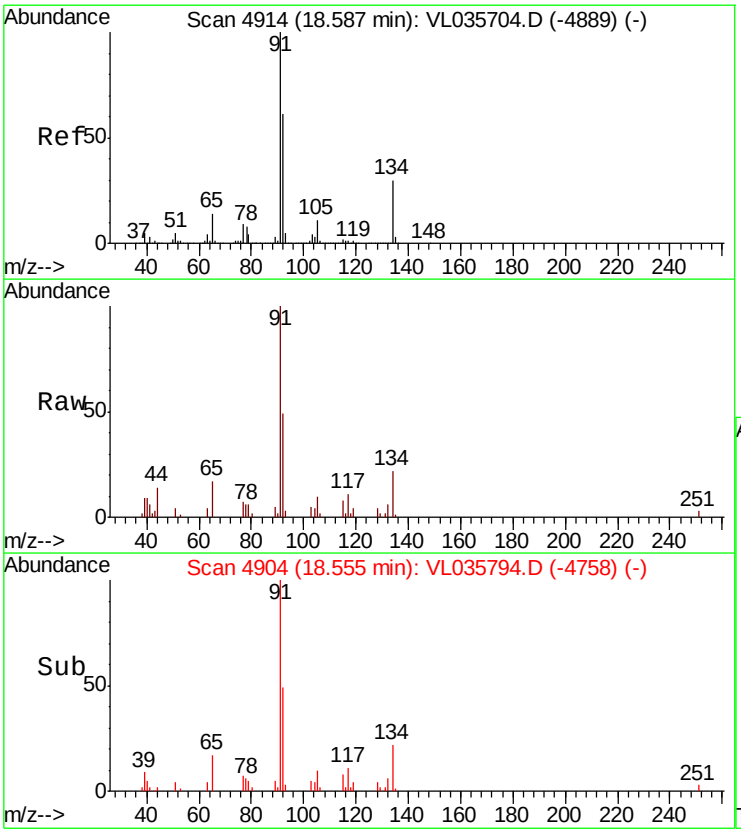
#69
p-Isopropyltoluene
Concen: 0.040 ppbv
RT: 17.66 min Scan# 4625
Delta R.T. -0.03 min
Lab File: VL035794.D
Acq: 19 Oct 2020 14:39

Instrument :
MSVOA_L
ClientSampleId :
MDL-AIR-01-QT4-2020

Tgt Ion:119 Resp: 22860

Ion	Ratio	Lower	Upper
119	100		
134	29.6	23.9	35.9
91	37.5	23.8	35.6#

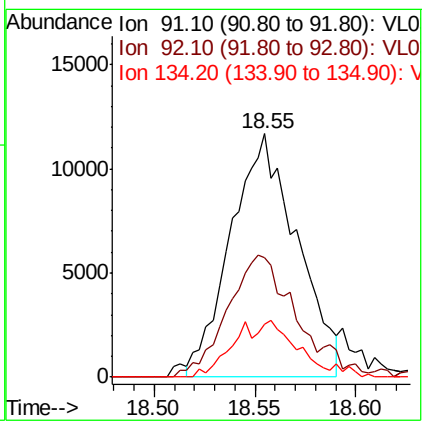


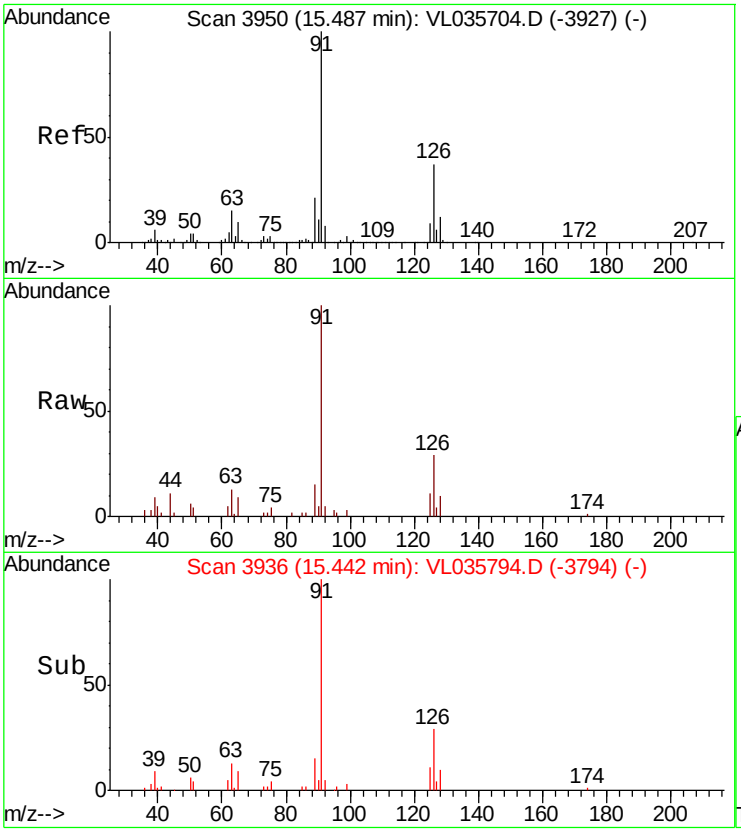


#70
n-Butylbenzene
Concen: 0.045 ppbv
RT: 18.55 min Scan# 4904
Delta R.T. -0.03 min
Lab File: VL035794.D
Acq: 19 Oct 2020 14:39

Tgt Ion: 91 Resp: 26759

Ion	Ratio	Lower	Upper
91	100		
92	53.1	47.0	70.4
134	22.8	21.9	32.9



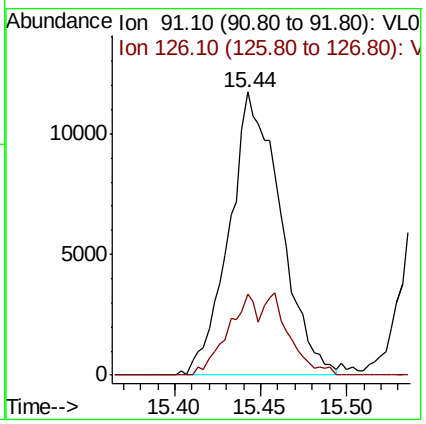


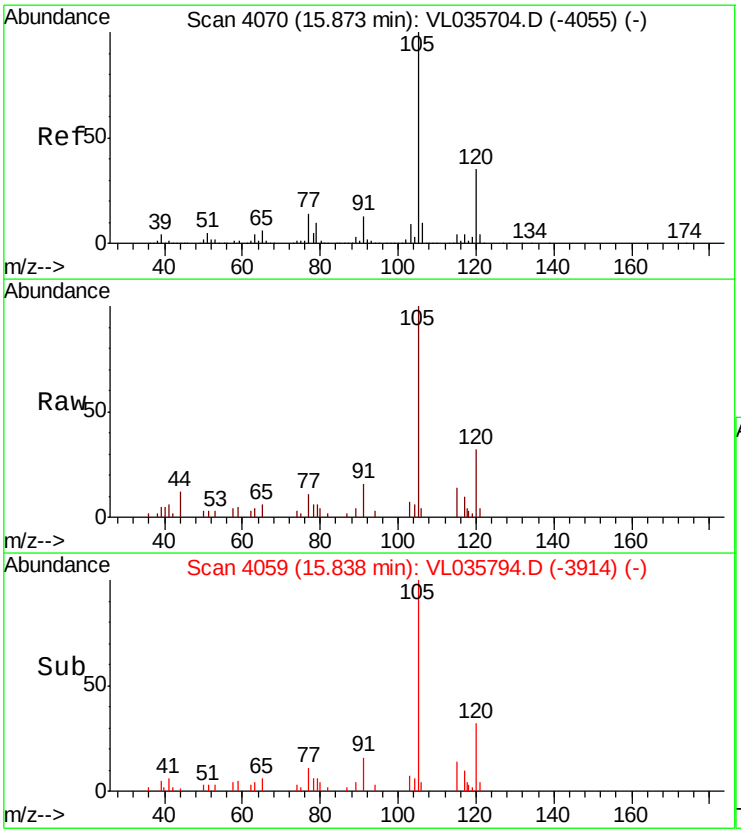
#71
2-Chlorotoluene
Concen: 0.059 ppbv
RT: 15.44 min Scan# 3936
Delta R.T. -0.04 min
Lab File: VL035794.D
Acq: 19 Oct 2020 14:39

Instrument :
MSVOA_L
ClientSampleId :
MDL-AIR-01-QT4-2020

Tgt Ion: 91 Resp: 24334

Ion	Ratio	Lower	Upper
91	100		
126	31.4	14.4	57.4

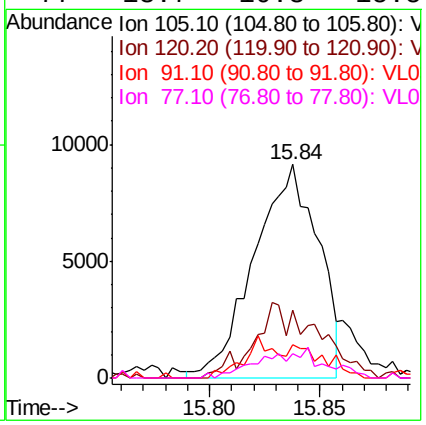


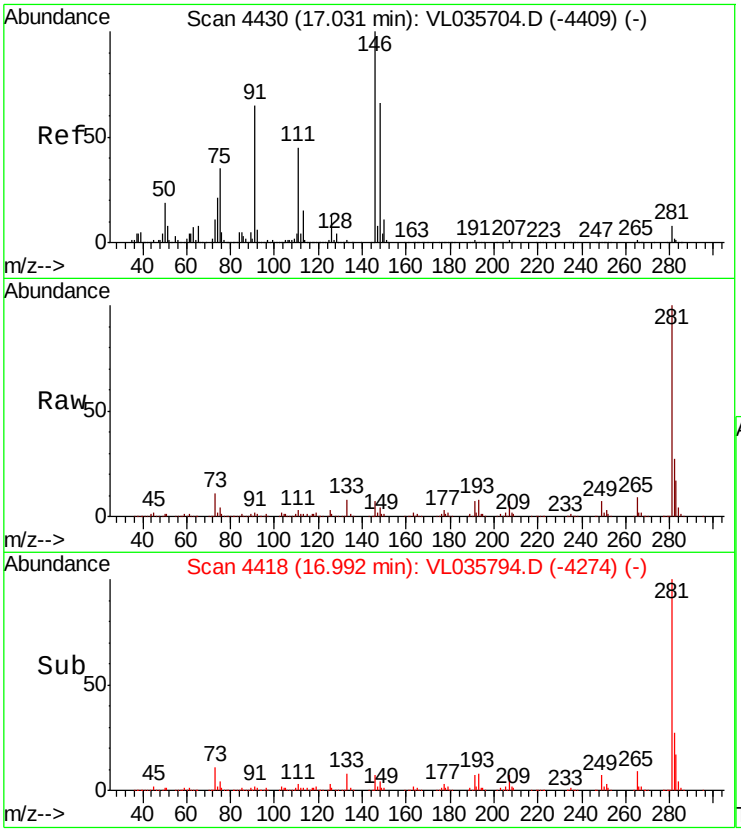


#72
4-Ethyltoluene
Concen: 0.042 ppbv
RT: 15.84 min Scan# 4059
Delta R.T. -0.04 min
Lab File: VL035794.D
Acq: 19 Oct 2020 14:39

Tgt Ion:105 Resp: 18357

Ion	Ratio	Lower	Upper
105	100		
120	36.1	26.5	39.7
91	18.4	10.2	15.2#
77	13.7	10.3	15.5



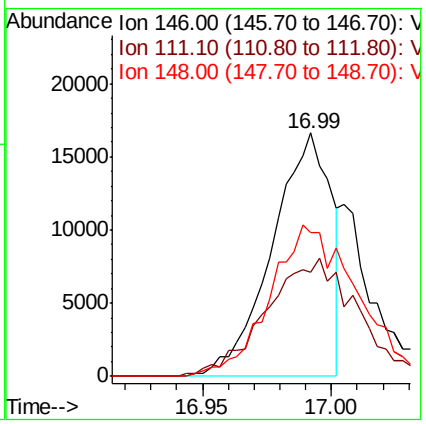


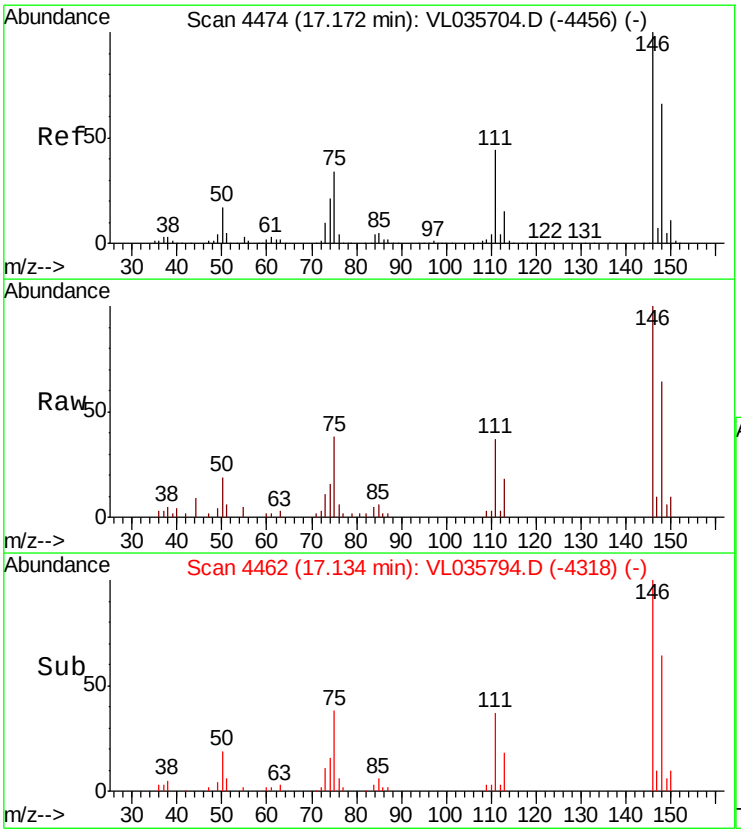
#75
1,3-Dichlorobenzene
Concen: 0.084 ppbv
RT: 16.99 min Scan# 4418
Delta R.T. -0.04 min
Lab File: VL035794.D
Acq: 19 Oct 2020 14:39

Instrument :
MSVOA_L
ClientSampleId :
MDL-AIR-01-QT4-2020

Tgt Ion:146 Resp: 26519

Ion	Ratio	Lower	Upper
146	100		
111	76.2	22.4	67.0#
148	93.9	33.0	99.0

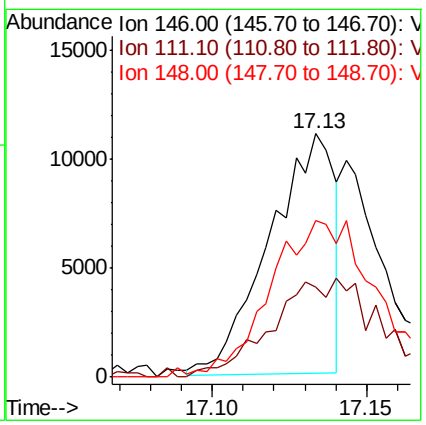


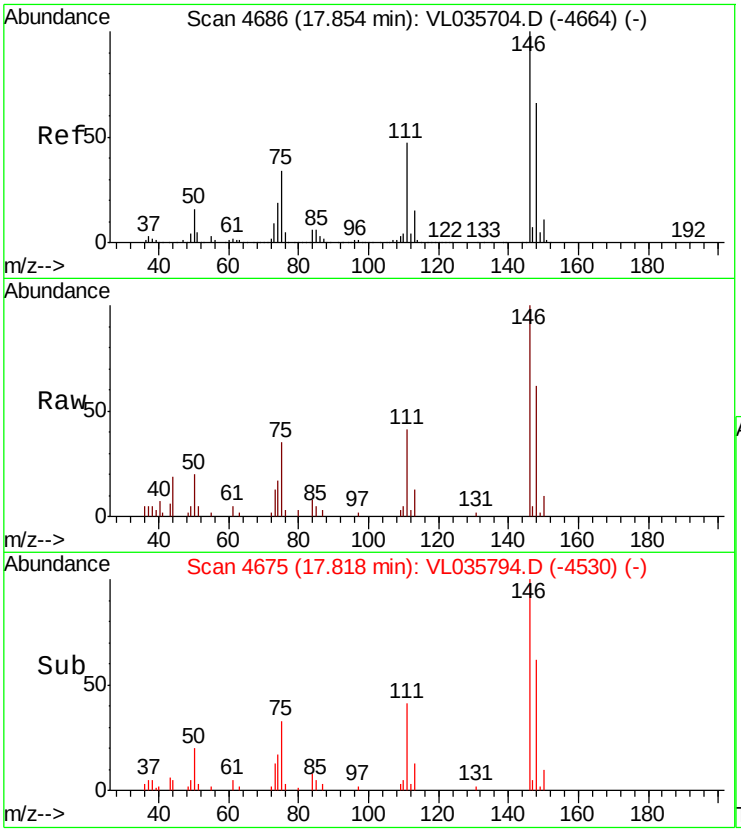


#76
1,4-Dichlorobenzene
Concen: 0.054 ppbv
RT: 17.13 min Scan# 4462
Delta R.T. -0.04 min
Lab File: VL035794.D
Acq: 19 Oct 2020 14:39

Tgt Ion:146 Resp: 16138

Ion	Ratio	Lower	Upper
146	100		
111	0.0	21.4	64.3#
148	0.0	32.6	98.0#



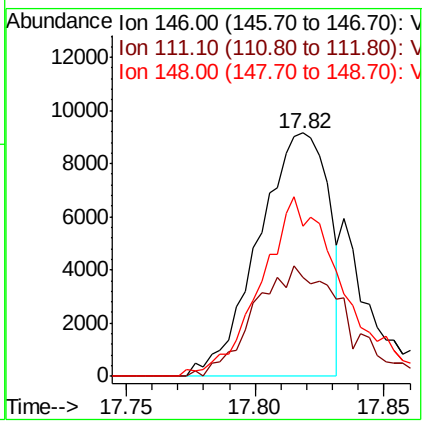


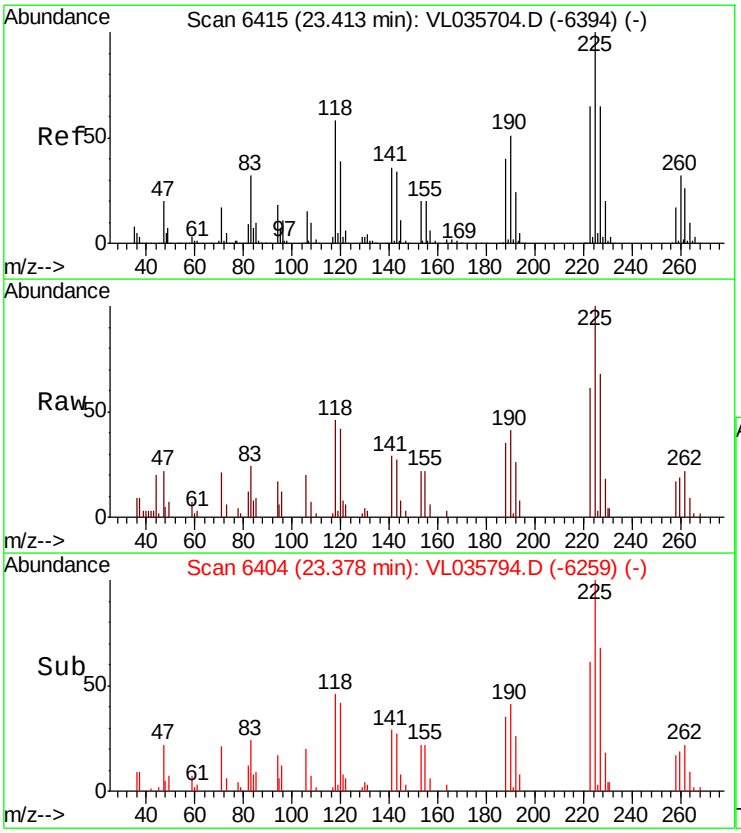
#77
1,2-Dichlorobenzene
Concen: 0.059 ppbv
RT: 17.82 min Scan# 4675
Delta R.T. -0.04 min
Lab File: VL035794.D
Acq: 19 Oct 2020 14:39

Instrument :
MSVOA_L
ClientSampleId :
MDL-AIR-01-QT4-2020

Tgt Ion:146 Resp: 17383

Ion	Ratio	Lower	Upper
146	100		
111	58.5	22.9	68.5
148	85.0	32.6	98.0





#78
Hexachloro-1,3-Butadiene
Concen: 0.057 ppbv
RT: 23.38 min Scan# 6404
Delta R.T. -0.04 min
Lab File: VL035794.D
Acq: 19 Oct 2020 14:39

Tgt Ion:225 Resp: 9354

Ion	Ratio	Lower	Upper
225	100		
223	0.0	51.3	76.9#
227	132.0	51.6	77.4#