Quantitation Report (Not Reviewed)

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_L\DATA\VL101220\
Data File : VL035776.D
Acq On : 13 Oct 2020 00:14
Operator : SY/AP
Sample : L4214-13 LOD 0.03
Misc : 400ml/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

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

Quant Time: Oct 13 02:04:30 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	5.67	49	1030075	10.00	ppbv		-0.01
33) 1,4-Difluorobenzene	7.18	114	3880435	10.00	ppbv		-0.01
55) Chlorobenzene-d5	12.10	117	3822195	10.00	ppbv		-0.02
System Monitoring Compounds							
68) 1-Bromo-4-Fluorobenzene	14.43	95	2810189	9.81	ppbv		-0.02
Spiked Amount 10.000	Range 65 - 135		Recovery = 98.10%				
Target Compounds							Qvalue
2) Dichlorodifluoromethane	3.04	85	12175	0.072	ppbv		100
3) Chlorodifluoromethane	2.98	51	5403	0.049	ppbv		98
4) Chloromethane	3.14	50	3524	0.059	ppbv	#	83
5) Vinyl Chloride	3.26	62	3089	0.044	ppbv	#	82
6) Bromomethane	3.47	94	3029	0.051	ppbv		86
8) Dichlorotetrafluoroethane	3.19	85	10365	0.051	ppbv		100
9) Propene	3.01	41	3030	0.075	ppbv	#	70
11) Trichlorofluoromethane	3.95	101	12220	0.051	ppbv		85
12) 1,1,2-Trichlorotrifluoroet	4.48	101	8644	0.048	ppbv		100
13) Ethanol	3.62	45	538	0.054	ppbv	#	38
14) Bromoethene	3.74	108	3561	0.047	ppbv		98
15) Acetone	3.87	43	9261	0.084	ppbv	#	41
18) 1,1-Dichloroethene	4.29	96	3164	0.040	ppbv	#	66
20) Methylene Chloride	4.35	84	14709	0.181	ppbv	#	88
22) trans-1,2-Dichloroethene	4.88	96	4232	0.051	ppbv	#	74
23) Vinyl Acetate	5.08	43	6555	0.048	ppbv	#	91
24) 1,1-Dichloroethane	5.01	63	6973	0.047	ppbv		97
25) Ethyl Acetate	5.69	43	9557	0.048	ppbv	#	94
29) Chloroform	5.75	83	11536	0.052	ppbv	#	81
32) 1,1,1-Trichloroethane	6.51	97	8454	0.043	ppbv		96
34) 2-Butanone	5.27	43	7116	0.055	ppbv		97
35) Carbon Tetrachloride	7.02	117	7819	0.039	ppbv	#	94
39) 1,2-Dichloropropane	7.18	63	758923	8.281	ppbv	#	30
42) Bromodichloromethane	7.79	83	8181	0.039	ppbv	#	80
48) Dibromochloromethane	10.31	129	6177	0.031	ppbv		98
54) 1,2-Dibromoethane	10.62	107	6128	0.031	ppbv		93
78) Hexachloro-1,3-Butadiene	23.41	225	7426	0.049	ppbv		93

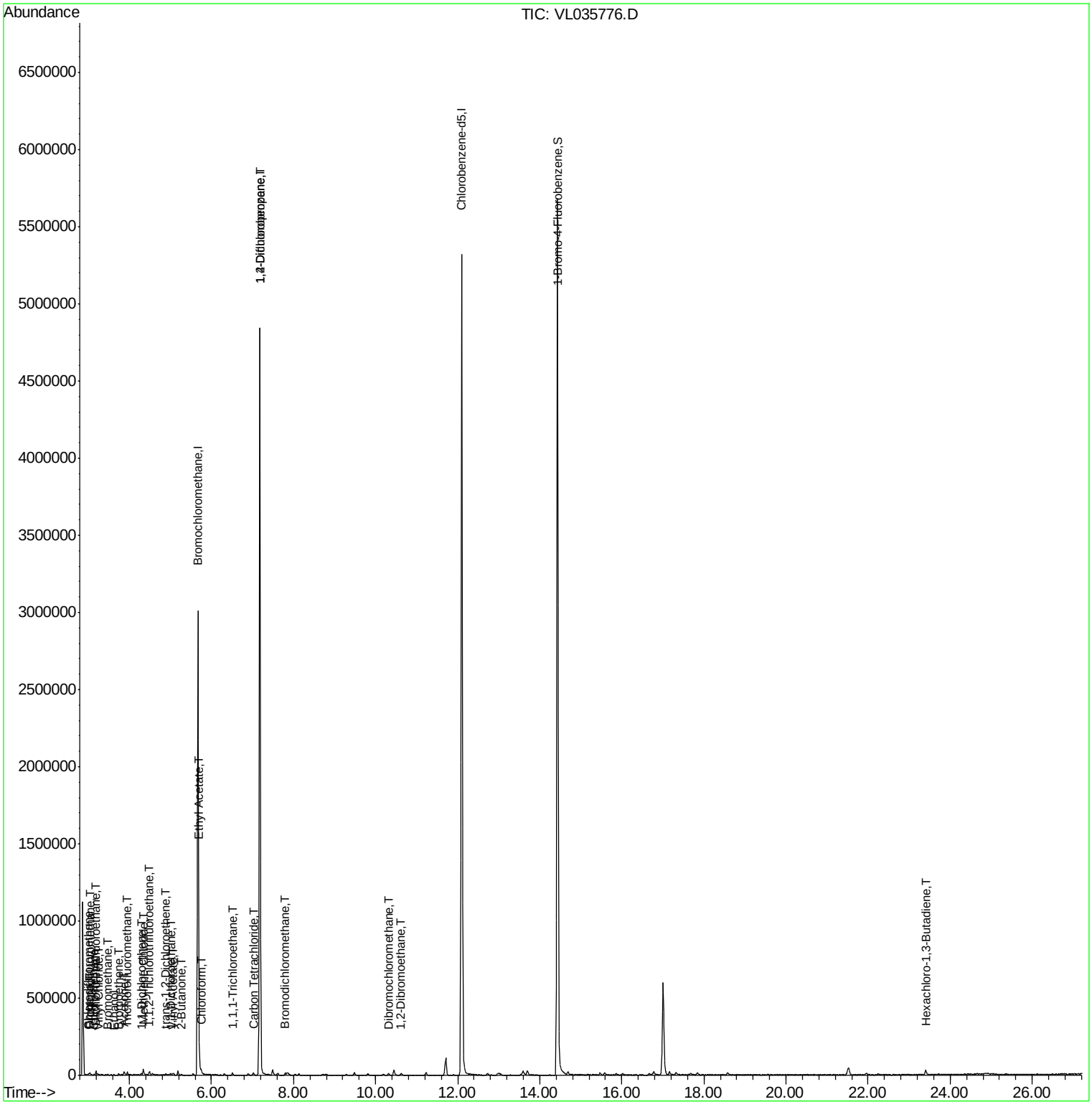
(#) = qualifier out of range (m) = manual integration (+) = signals summed

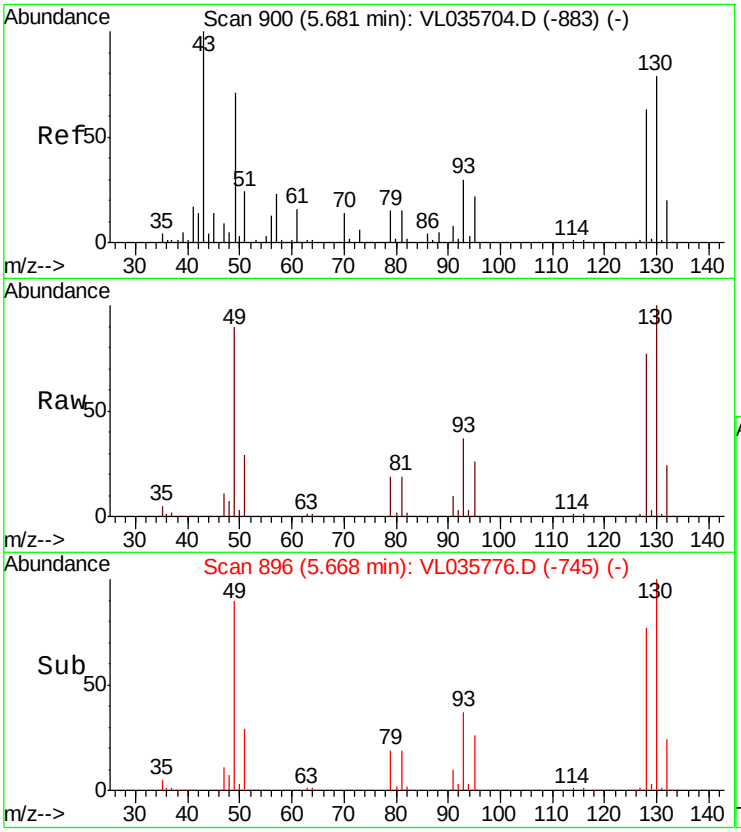
Quantitation Report (Not Reviewed)

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_L\DATA\VL101220\
Data File : VL035776.D
Acq On : 13 Oct 2020 00:14
Operator : SY/AP
Sample : L4214-13 LOD 0.03
Misc : 400ml/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

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

Quant Time: Oct 13 02:04:30 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



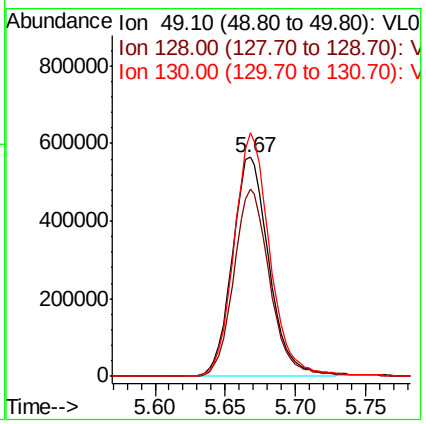


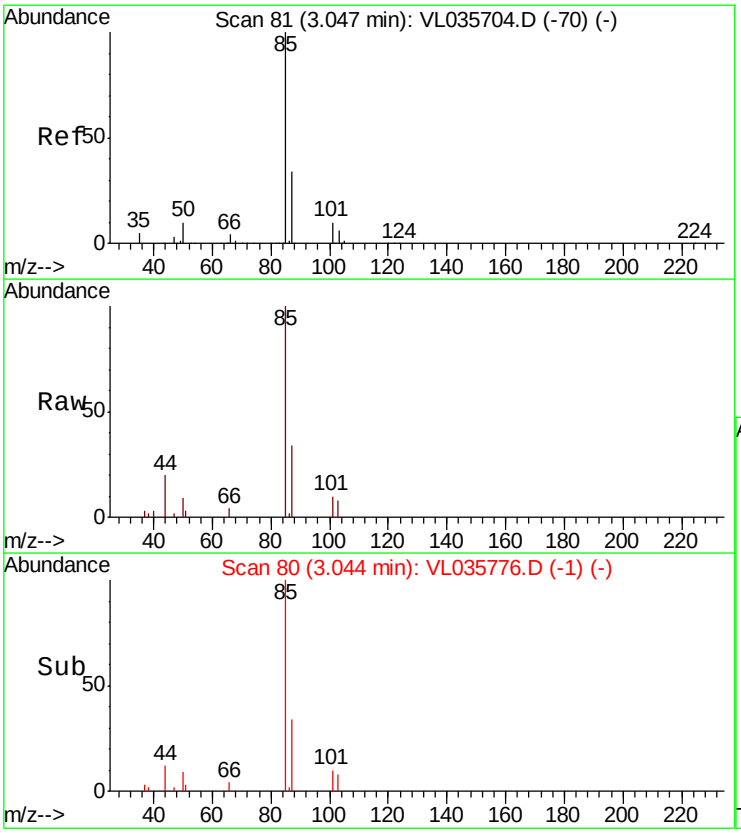
#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 5.67 min Scan# 896
Delta R.T. -0.01 min
Lab File: VL035776.D
Acq: 13 Oct 2020 00:14

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

Tgt Ion: 49 Resp: 1030075

Ion	Ratio	Lower	Upper
49	100		
128	84.8	43.1	129.4
130	109.1	54.9	164.7

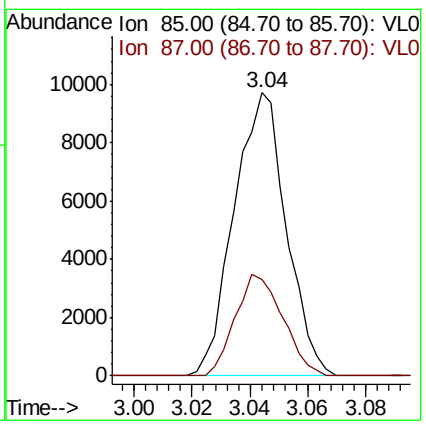


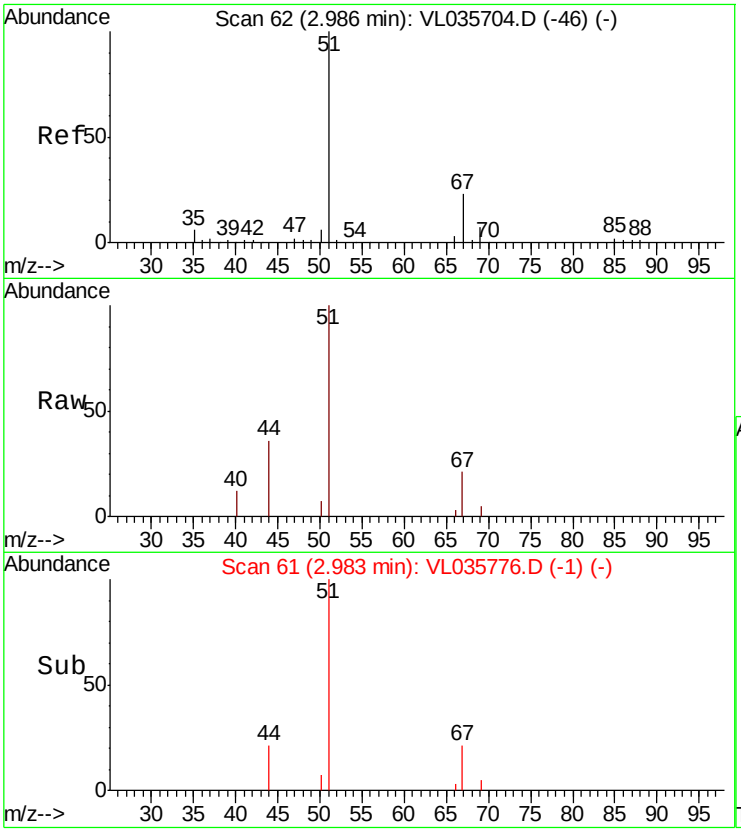


#2
Dichlorodifluoromethane
Concen: 0.072 ppbv
RT: 3.04 min Scan# 80
Delta R.T. -0.00 min
Lab File: VL035776.D
Acq: 13 Oct 2020 00:14

Tgt Ion: 85 Resp: 12175

Ion	Ratio	Lower	Upper
85	100		
87	34.2	27.3	40.9



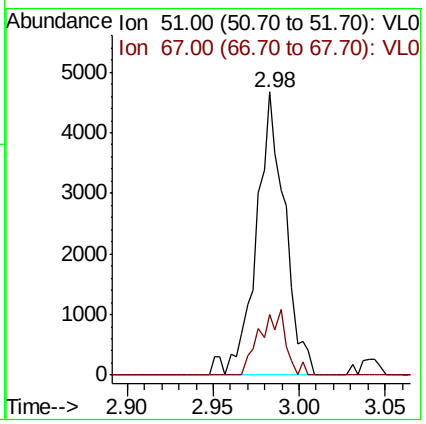


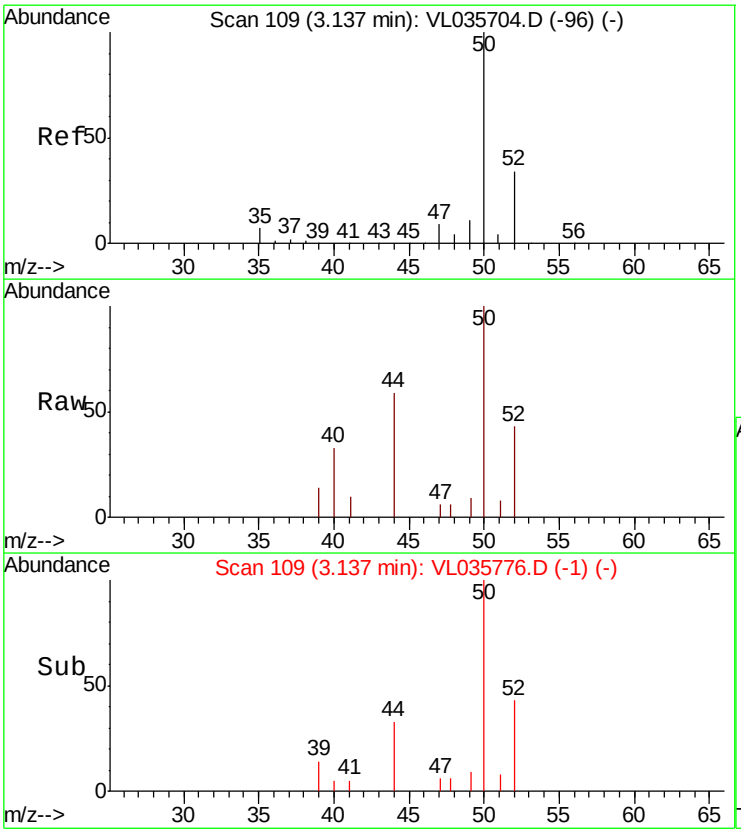
#3
Chlorodifluoromethane
Concen: 0.049 ppbv
RT: 2.98 min Scan# 61
Delta R.T. -0.00 min
Lab File: VL035776.D
Acq: 13 Oct 2020 00:14

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

Tgt Ion: 51 Resp: 5403

Ion	Ratio	Lower	Upper
51	100		
67	21.1	17.8	26.8

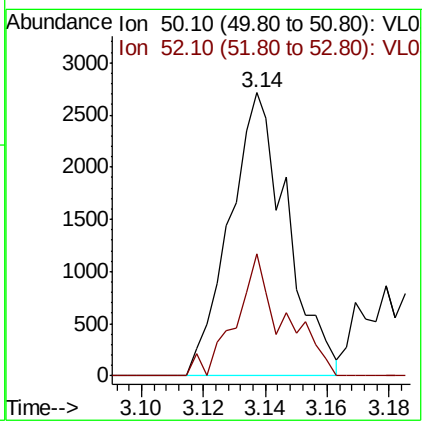


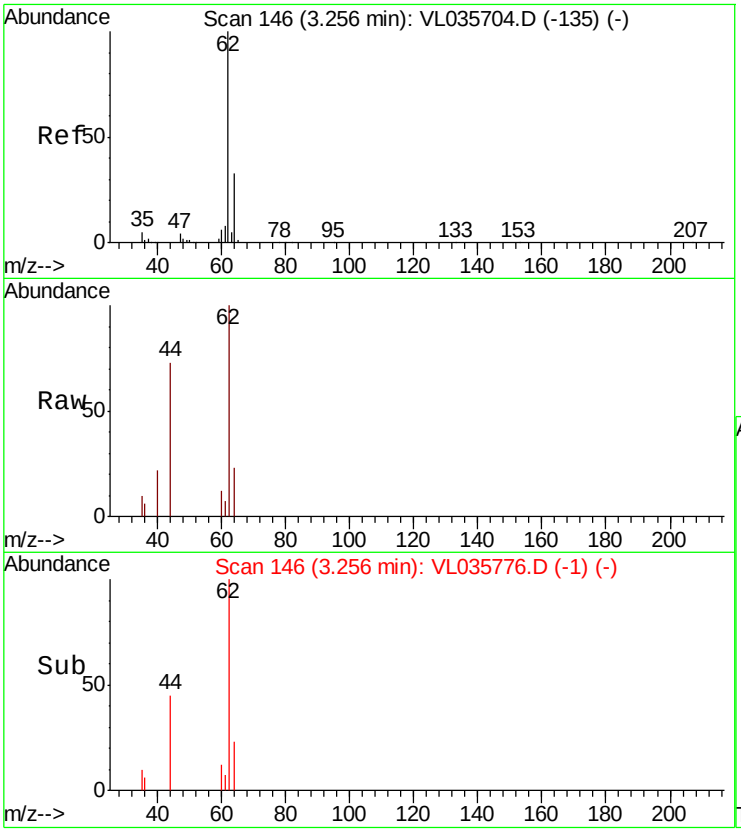


#4
Chloromethane
Concen: 0.059 ppbv
RT: 3.14 min Scan# 109
Delta R.T. -0.00 min
Lab File: VL035776.D
Acq: 13 Oct 2020 00:14

Tgt Ion: 50 Resp: 3524

Ion	Ratio	Lower	Upper
50	100		
52	43.0	26.8	40.2#



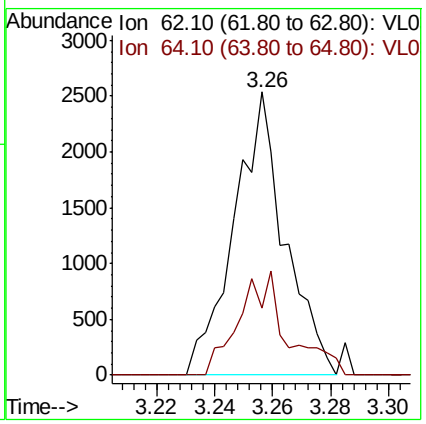


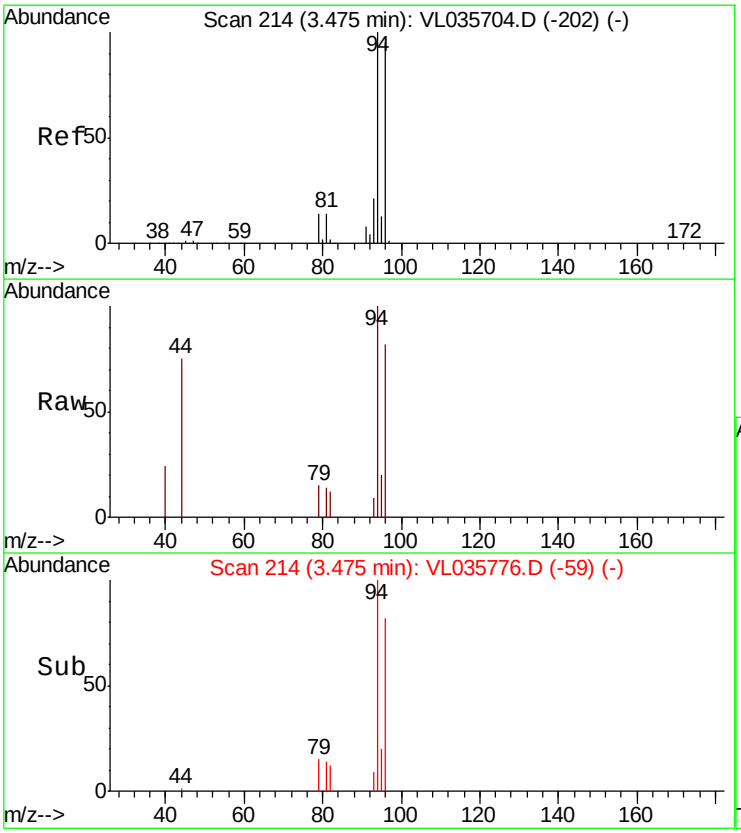
#5
Vinyl Chloride
Concen: 0.044 ppbv
RT: 3.26 min Scan# 146
Delta R.T. -0.00 min
Lab File: VL035776.D
Acq: 13 Oct 2020 00:14

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

Tgt Ion: 62 Resp: 3089

Ion	Ratio	Lower	Upper
62	100		
64	23.5	26.8	40.2#

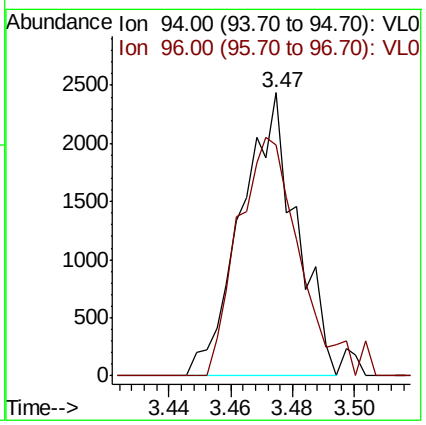


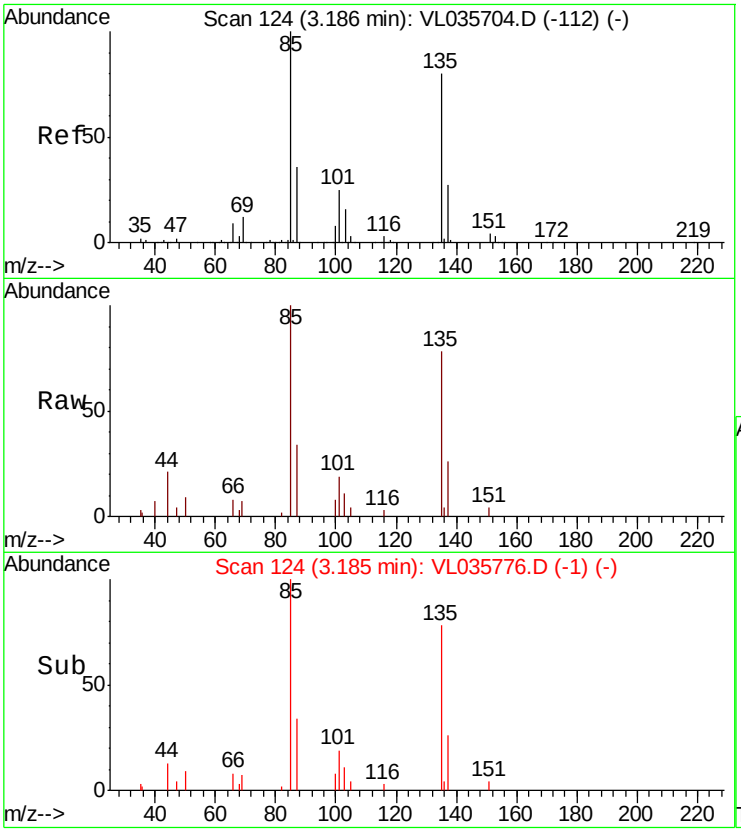


#6
Bromomethane
Concen: 0.051 ppbv
RT: 3.47 min Scan# 214
Delta R.T. -0.00 min
Lab File: VL035776.D
Acq: 13 Oct 2020 00:14

Tgt Ion: 94 Resp: 3029

Ion	Ratio	Lower	Upper
94	100		
96	81.7	76.3	114.5



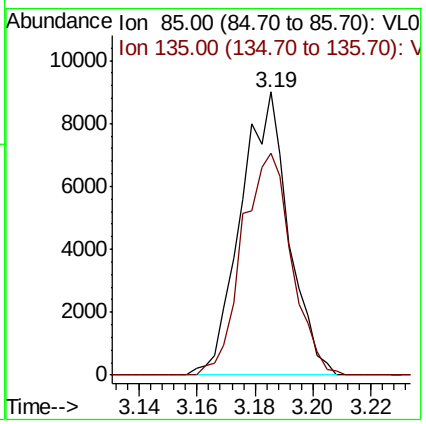


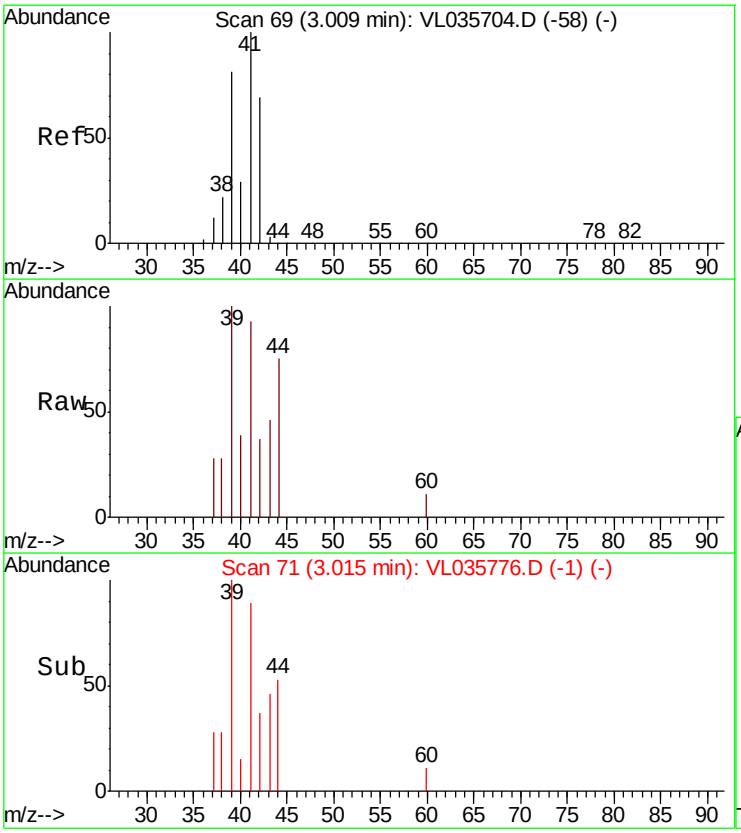
#8
Dichlorotetrafluoroethane
Concen: 0.051 ppbv
RT: 3.19 min Scan# 124
Delta R.T. -0.00 min
Lab File: VL035776.D
Acq: 13 Oct 2020 00:14

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

Tgt Ion: 85 Resp: 10365

Ion	Ratio	Lower	Upper
85	100		
135	80.7	64.3	96.5

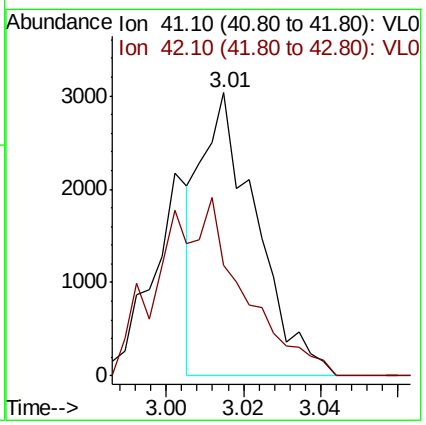


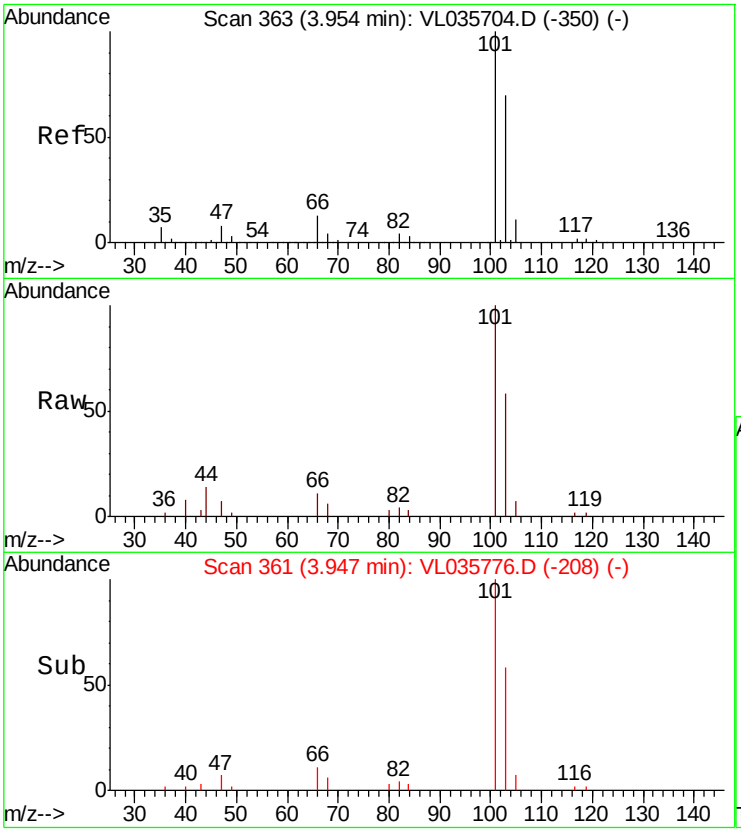


#9
Propene
Concen: 0.075 ppbv
RT: 3.01 min Scan# 71
Delta R.T. 0.01 min
Lab File: VL035776.D
Acq: 13 Oct 2020 00:14

Tgt Ion: 41 Resp: 3030

Ion	Ratio	Lower	Upper
41	100		
42	94.7	56.2	84.4#



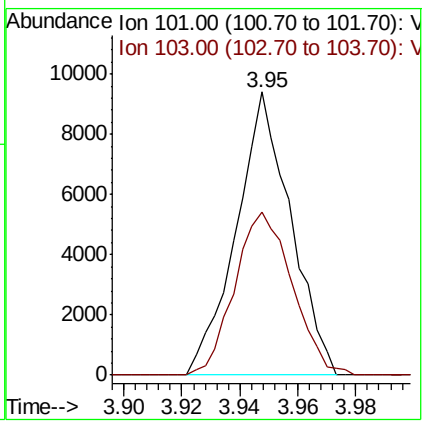


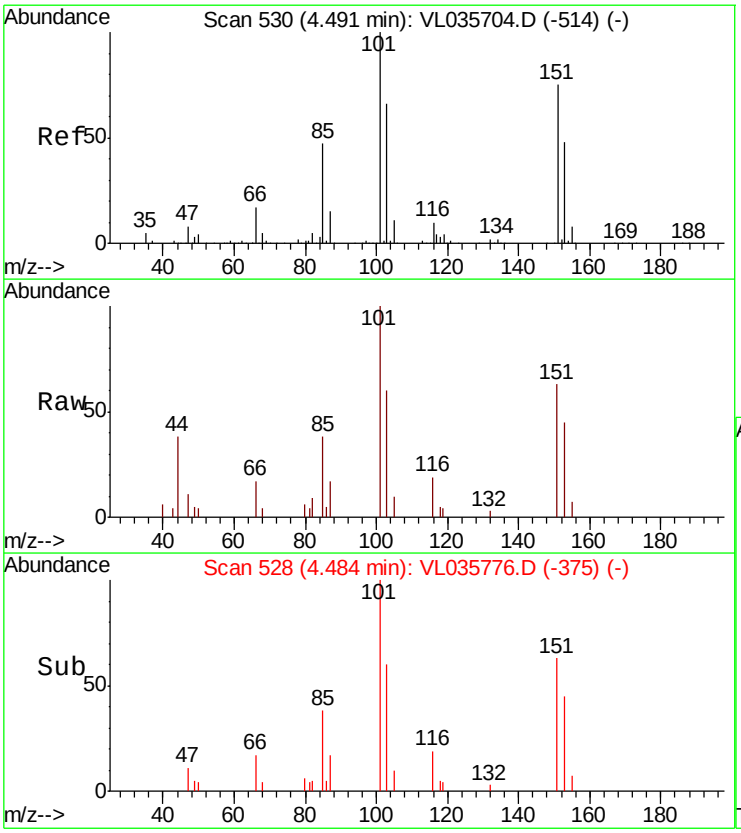
#11
Trichlorofluoromethane
Concen: 0.051 ppbv
RT: 3.95 min Scan# 361
Delta R.T. -0.01 min
Lab File: VL035776.D
Acq: 13 Oct 2020 00:14

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

Tgt Ion:101 Resp: 12220

Ion	Ratio	Lower	Upper
101	100		
103	57.6	55.6	83.4

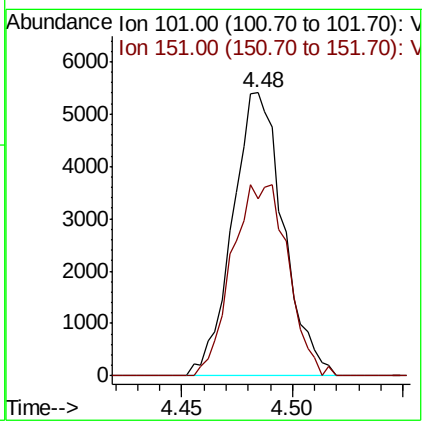


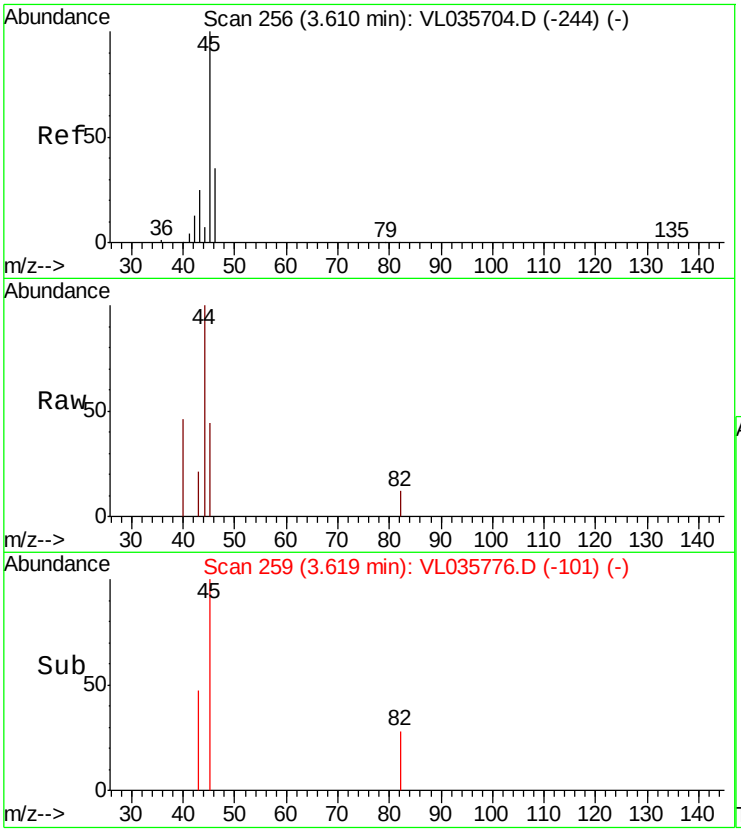


#12
1,1,2-Trichlorotrifluoroethane
Concen: 0.048 ppbv
RT: 4.48 min Scan# 528
Delta R.T. -0.01 min
Lab File: VL035776.D
Acq: 13 Oct 2020 00:14

Tgt Ion:101 Resp: 8644

Ion	Ratio	Lower	Upper
101	100		
151	74.3	59.1	88.7



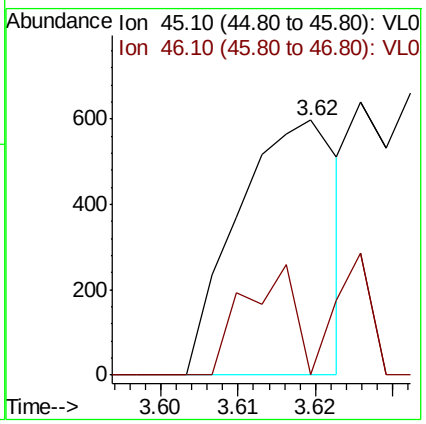


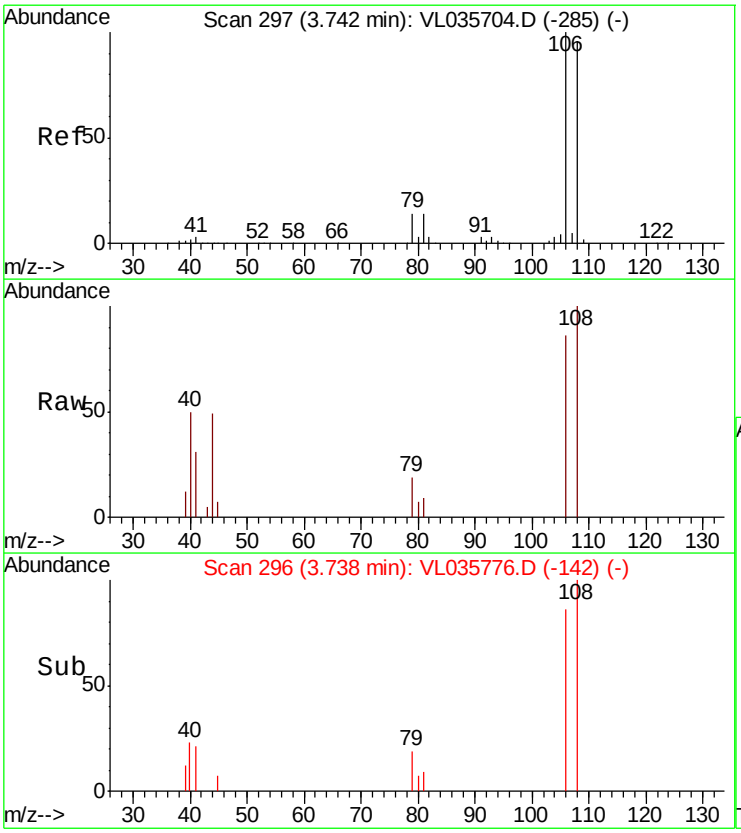
#13
Ethanol
Concen: 0.054 ppbv
RT: 3.62 min Scan# 259
Delta R.T. 0.01 min
Lab File: VL035776.D
Acq: 13 Oct 2020 00:14

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

Tgt Ion: 45 Resp: 538

Ion	Ratio	Lower	Upper
45	100		
46	0.0	14.7	58.7#

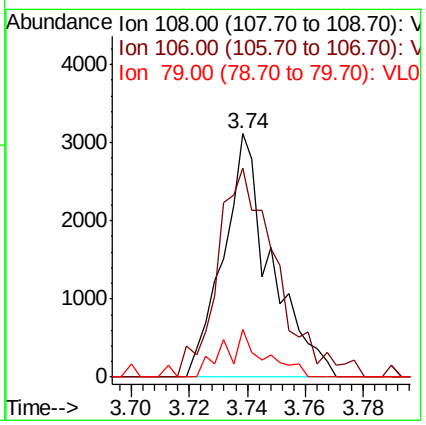


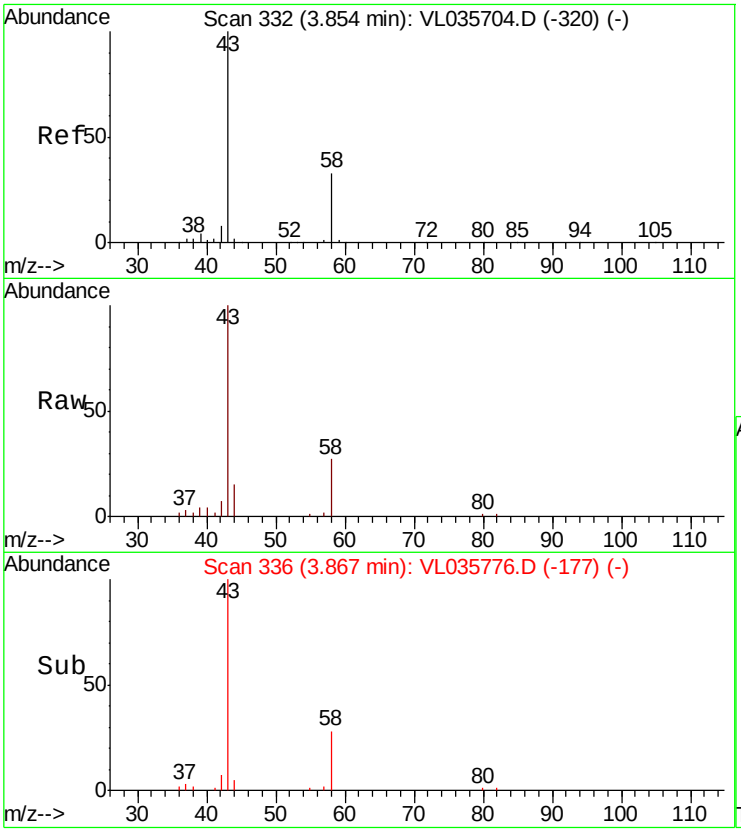


#14
Bromoethene
Concen: 0.047 ppbv
RT: 3.74 min Scan# 296
Delta R.T. -0.00 min
Lab File: VL035776.D
Acq: 13 Oct 2020 00:14

Tgt Ion:108 Resp: 3561

Ion	Ratio	Lower	Upper
108	100		
106	107.1	84.6	126.8
79	17.2	11.6	17.4



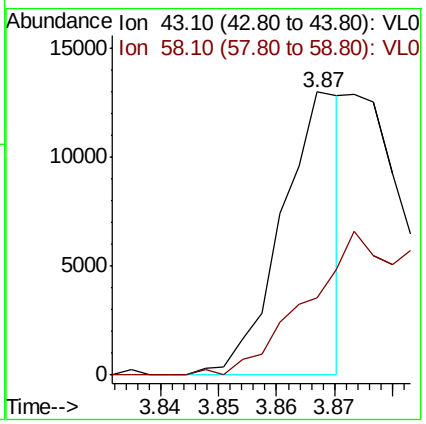


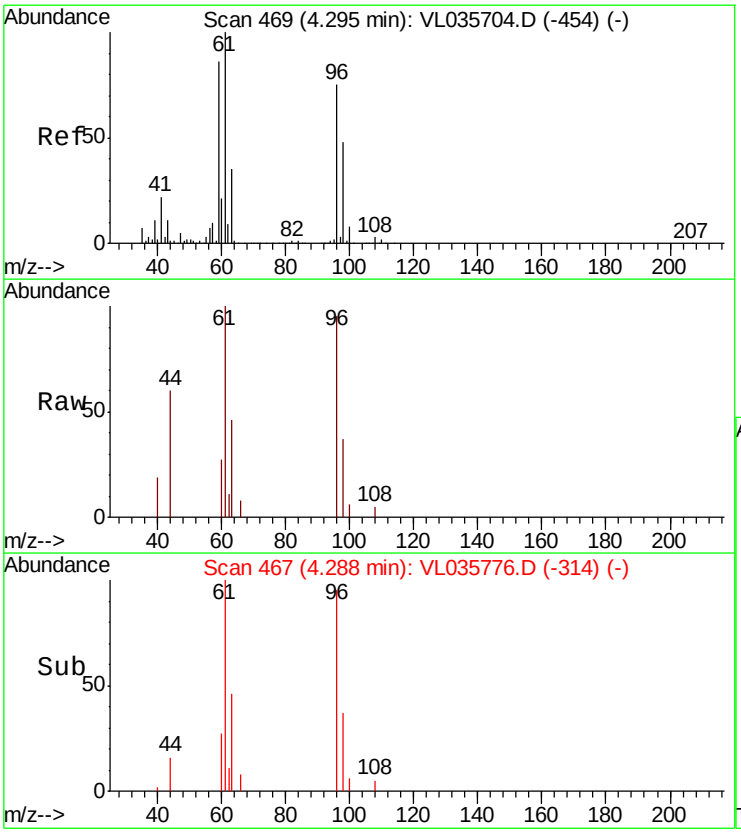
#15
Acetone
Concen: 0.084 ppbv
RT: 3.87 min Scan# 336
Delta R.T. 0.01 min
Lab File: VL035776.D
Acq: 13 Oct 2020 00:14

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

Tgt Ion: 43 Resp: 9261

Ion	Ratio	Lower	Upper
43	100		
58	0.0	27.3	40.9#

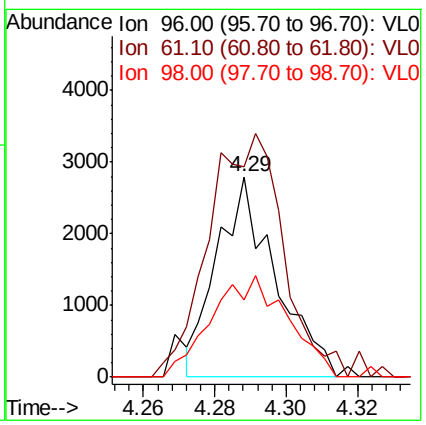


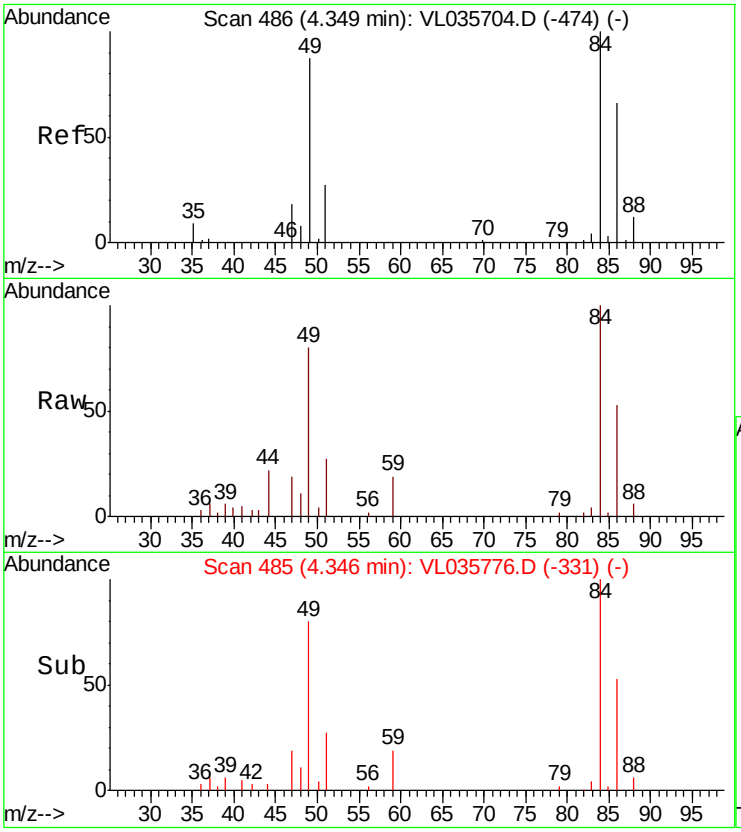


#18
1,1-Dichloroethene
Concen: 0.040 ppbv
RT: 4.29 min Scan# 467
Delta R.T. -0.01 min
Lab File: VL035776.D
Acq: 13 Oct 2020 00:14

Tgt Ion: 96 Resp: 3164

Ion	Ratio	Lower	Upper
96	100		
61	92.5	106.7	160.1#
98	38.7	50.8	76.2#



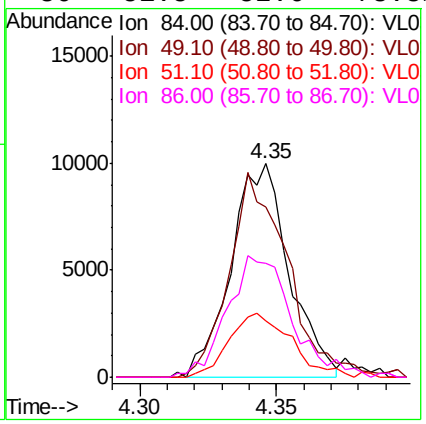


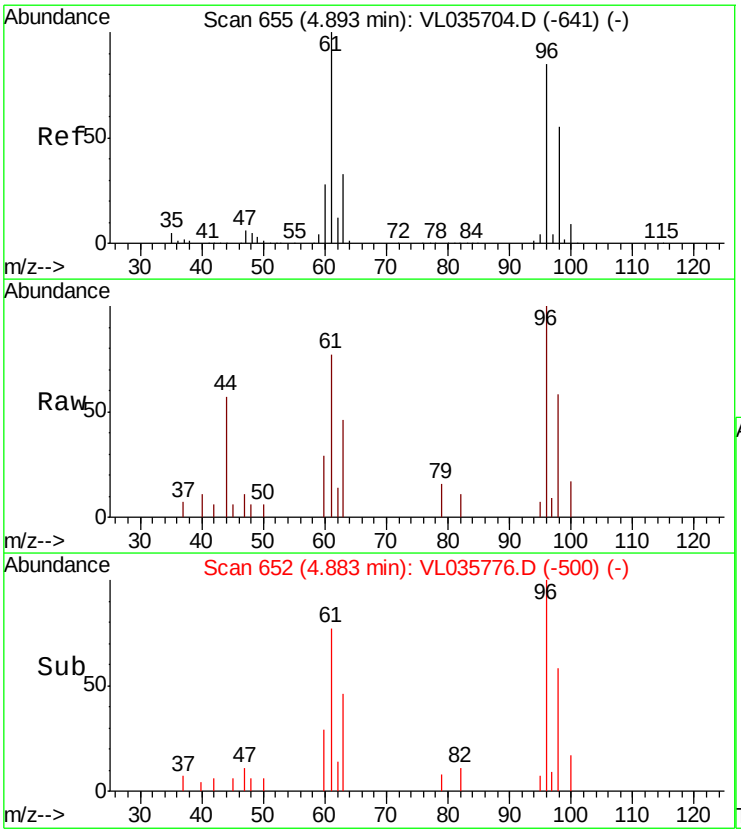
#20
Methylene Chloride
Concen: 0.181 ppbv
RT: 4.35 min Scan# 485
Delta R.T. -0.00 min
Lab File: VL035776.D
Acq: 13 Oct 2020 00:14

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

Tgt Ion: 84 Resp: 14709

Ion	Ratio	Lower	Upper
84	100		
49	77.8	69.8	104.6
51	26.5	21.8	32.8
86	51.5	52.6	78.8#

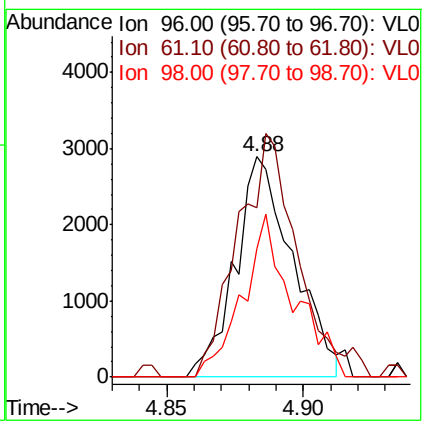


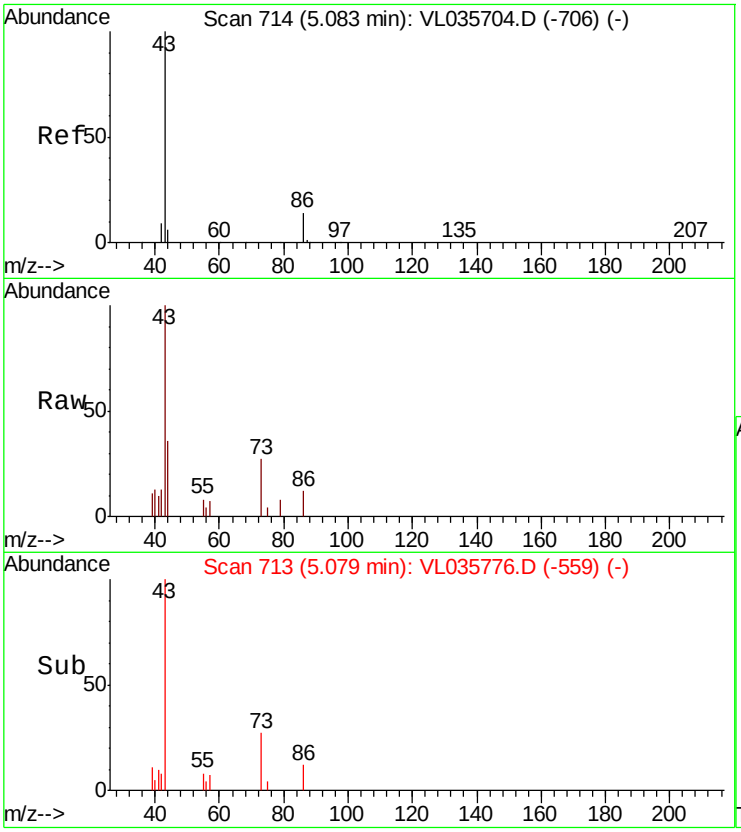


#22
trans-1,2-Dichloroethene
Concen: 0.051 ppbv
RT: 4.88 min Scan# 652
Delta R.T. -0.01 min
Lab File: VL035776.D
Acq: 13 Oct 2020 00:14

Tgt Ion: 96 Resp: 4232

Ion	Ratio	Lower	Upper
96	100		
61	76.9	93.7	140.5#
98	58.0	51.2	76.8



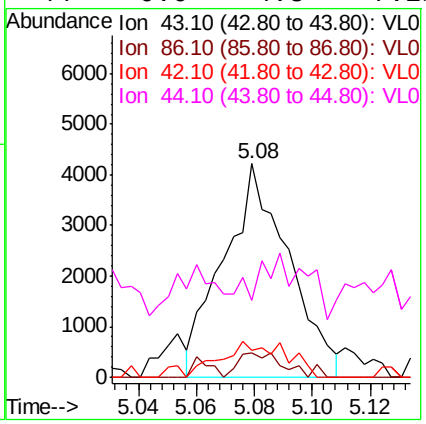


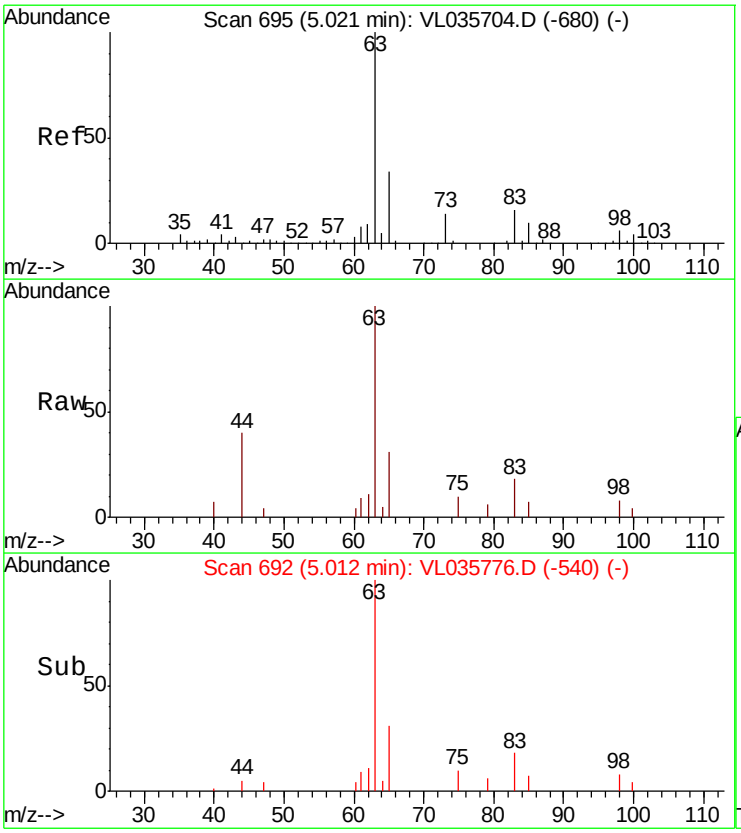
#23
Vinyl Acetate
Concen: 0.048 ppbv
RT: 5.08 min Scan# 713
Delta R.T. -0.00 min
Lab File: VL035776.D
Acq: 13 Oct 2020 00:14

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

Tgt Ion: 43 Resp: 6555

Ion	Ratio	Lower	Upper
43	100		
86	13.0	9.7	14.5
42	14.0	7.9	11.9#
44	0.0	4.8	7.2#

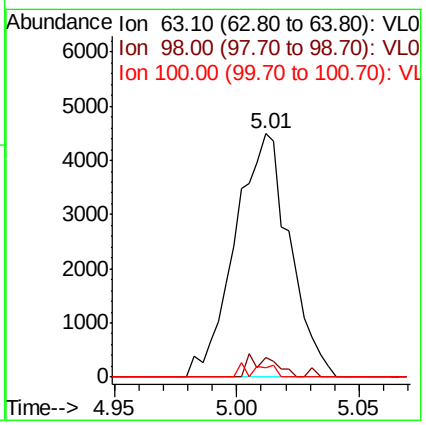


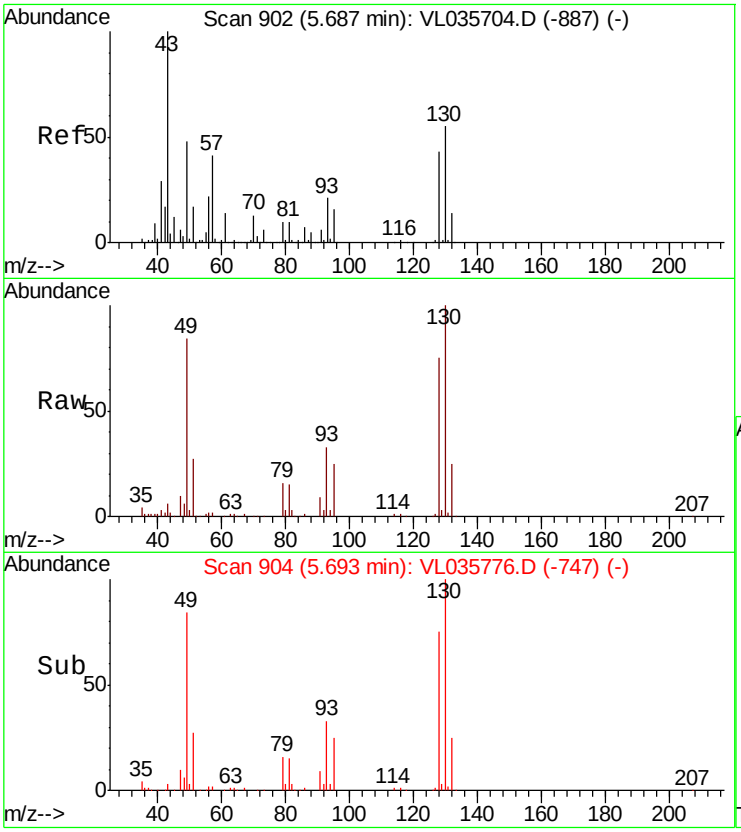


#24
1,1-Dichloroethane
Concen: 0.047 ppbv
RT: 5.01 min Scan# 692
Delta R.T. -0.01 min
Lab File: VL035776.D
Acq: 13 Oct 2020 00:14

Tgt Ion: 63 Resp: 6973

Ion	Ratio	Lower	Upper
63	100		
98	7.9	3.3	9.8
100	3.7	2.0	5.8



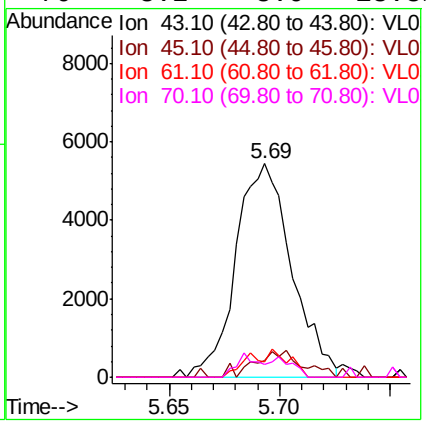


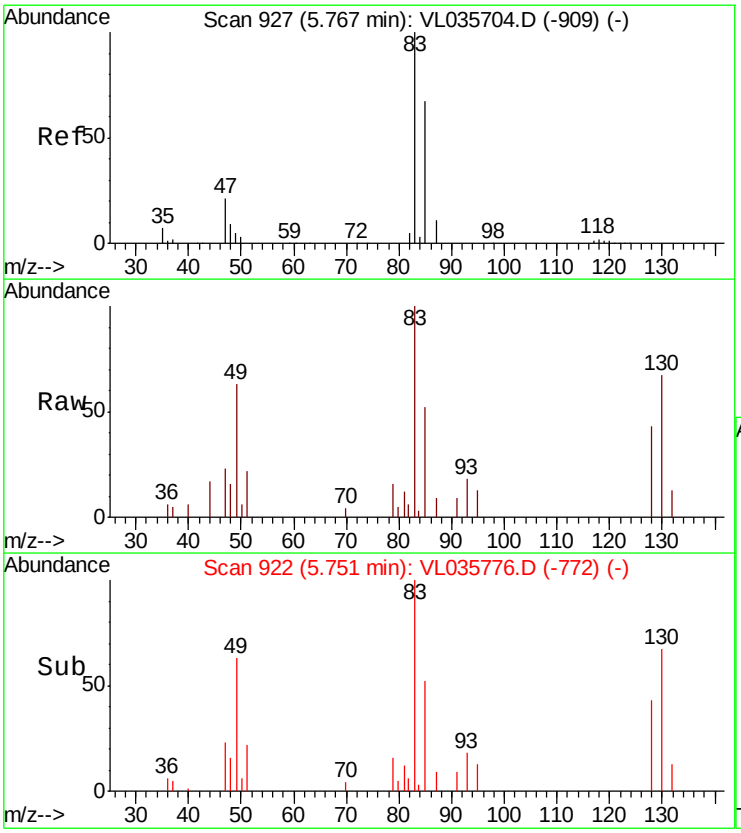
#25
Ethyl Acetate
Concen: 0.048 ppbv
RT: 5.69 min Scan# 904
Delta R.T. 0.01 min
Lab File: VL035776.D
Acq: 13 Oct 2020 00:14

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

Tgt Ion: 43 Resp: 9557

Ion	Ratio	Lower	Upper
43	100		
45	11.5	8.6	12.8
61	9.4	10.4	15.6#
70	8.2	8.9	13.3#

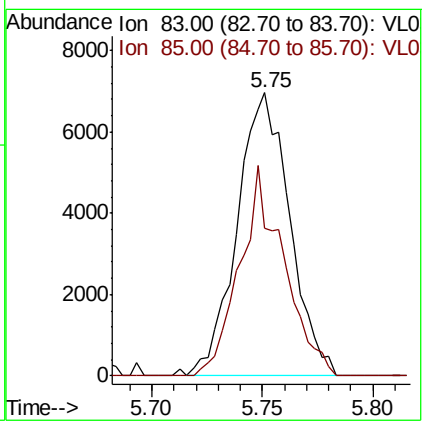


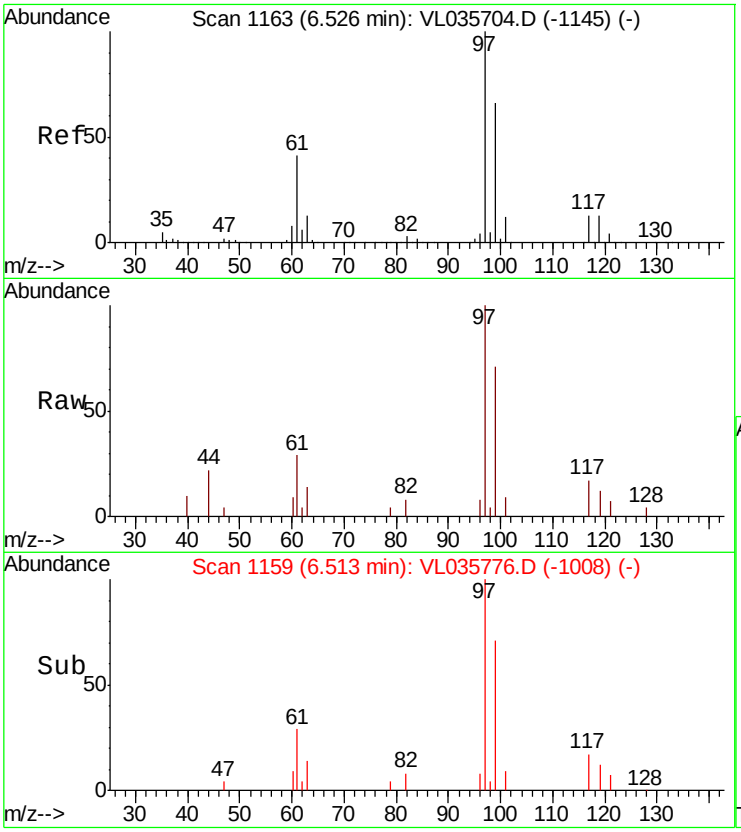


#29
Chloroform
Concen: 0.052 ppbv
RT: 5.75 min Scan# 922
Delta R.T. -0.02 min
Lab File: VL035776.D
Acq: 13 Oct 2020 00:14

Tgt Ion: 83 Resp: 11536

Ion	Ratio	Lower	Upper
83	100		
85	52.0	54.0	81.0#



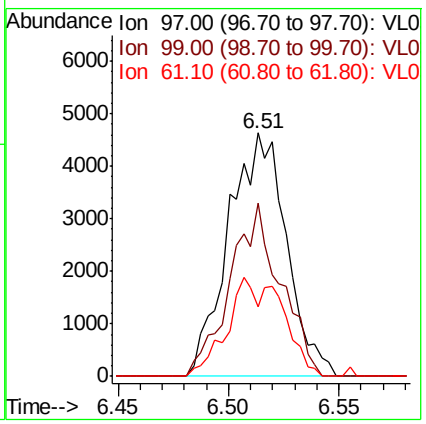


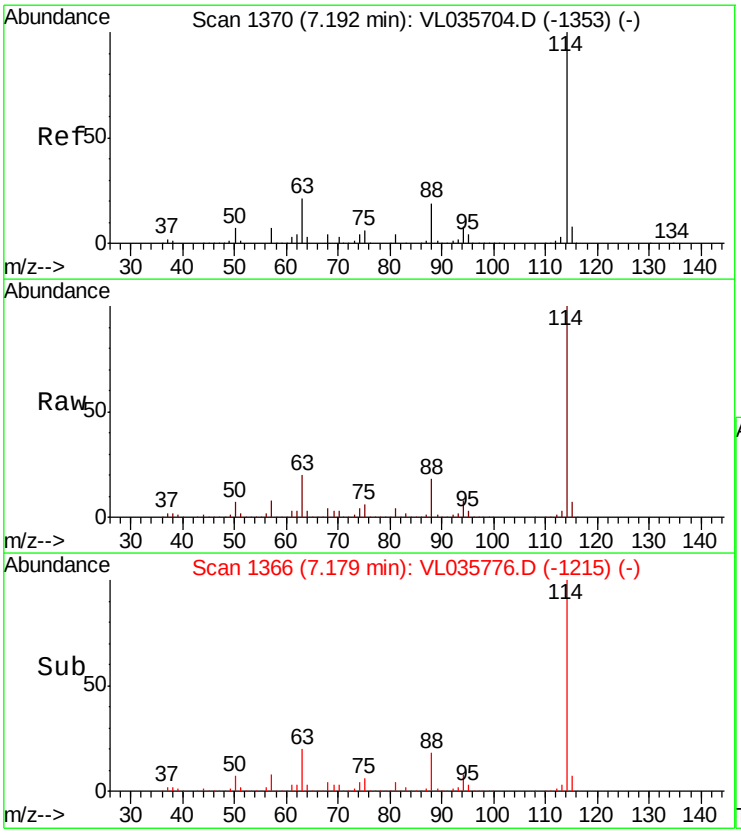
#32
1,1,1-Trichloroethane
Concen: 0.043 ppbv
RT: 6.51 min Scan# 1159
Delta R.T. -0.01 min
Lab File: VL035776.D
Acq: 13 Oct 2020 00:14

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

Tgt Ion: 97 Resp: 8454

Ion	Ratio	Lower	Upper
97	100		
99	61.8	52.7	79.1
61	38.9	32.7	49.1

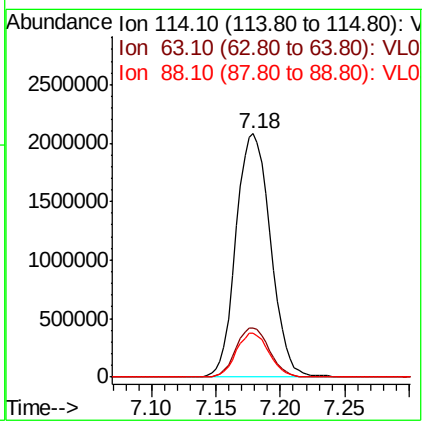


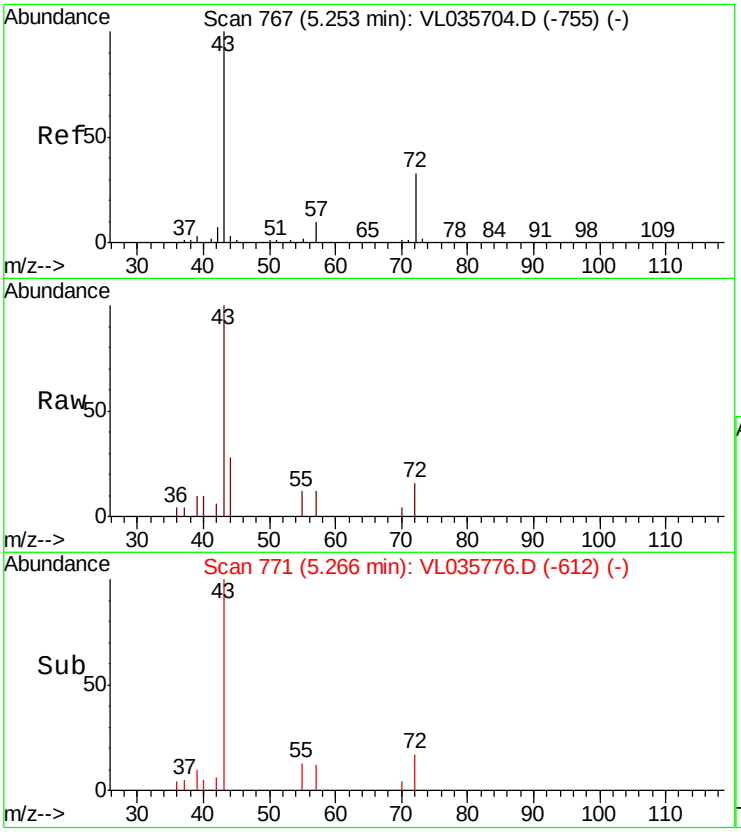


#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 7.18 min Scan# 1366
Delta R.T. -0.01 min
Lab File: VL035776.D
Acq: 13 Oct 2020 00:14

Tgt Ion:114 Resp: 3880435

Ion	Ratio	Lower	Upper
114	100		
63	19.7	16.1	24.1
88	17.3	14.1	21.1



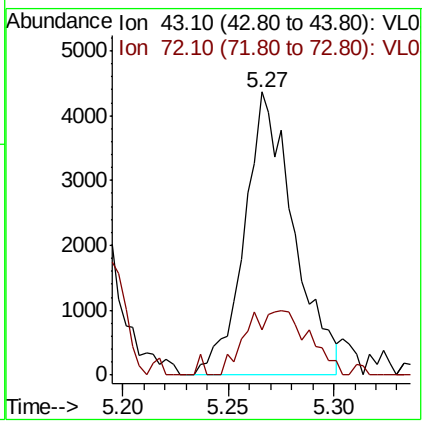


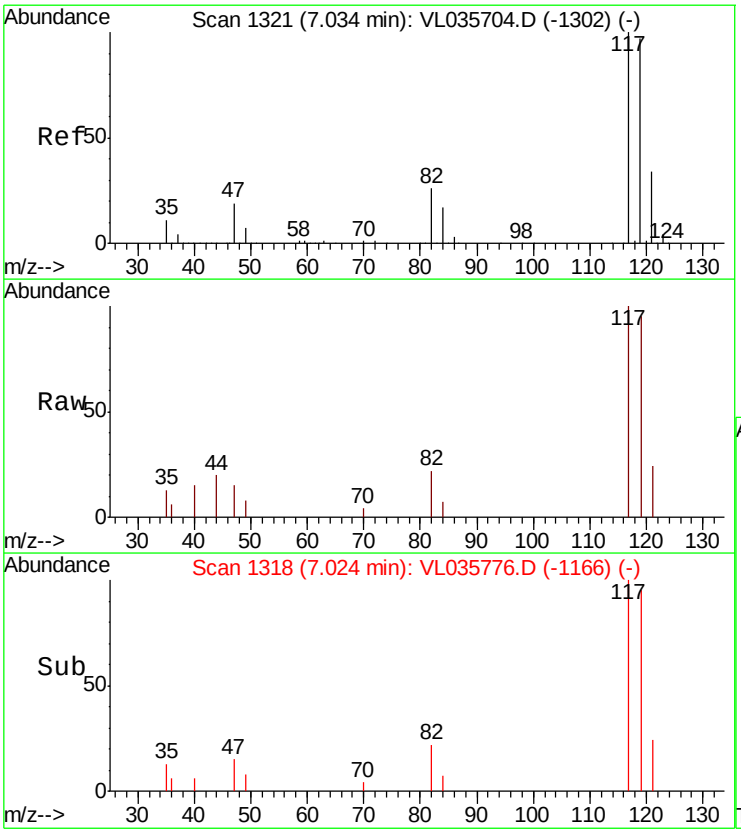
#34
2-Butanone
Concen: 0.055 ppbv
RT: 5.27 min Scan# 771
Delta R.T. 0.01 min
Lab File: VL035776.D
Acq: 13 Oct 2020 00:14

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

Tgt Ion: 43 Resp: 7116

Ion	Ratio	Lower	Upper
43	100		
72	30.7	26.1	39.1

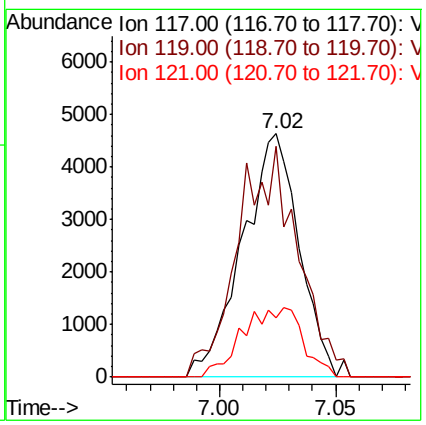


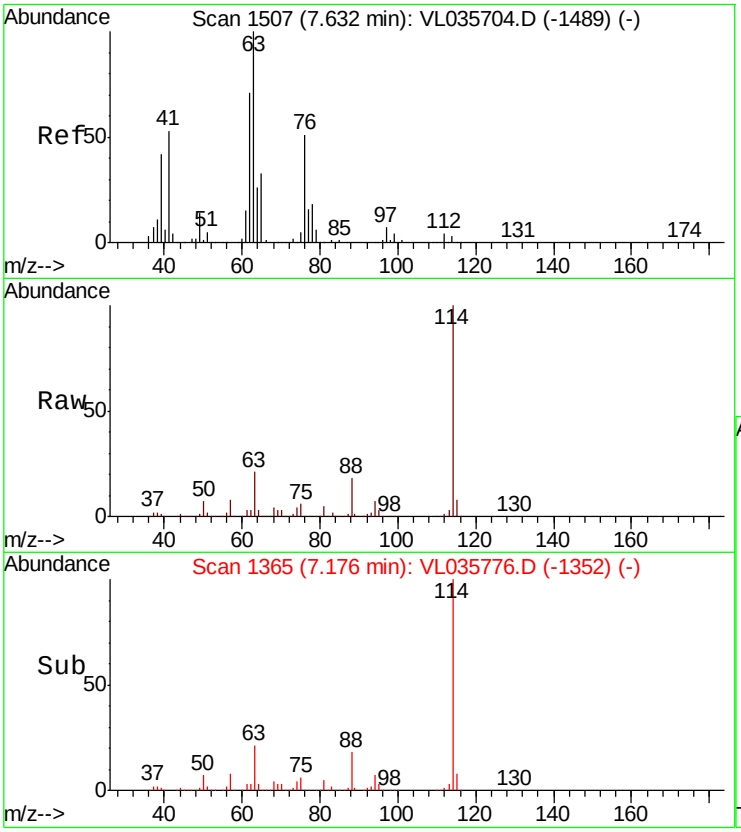


#35
Carbon Tetrachloride
Concen: 0.039 ppbv
RT: 7.02 min Scan# 1318
Delta R.T. -0.01 min
Lab File: VL035776.D
Acq: 13 Oct 2020 00:14

Tgt Ion:117 Resp: 7819

Ion	Ratio	Lower	Upper
117	100		
119	94.6	77.7	116.5
121	24.1	26.9	40.3#



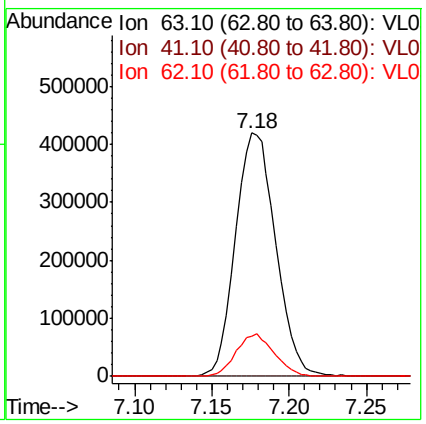


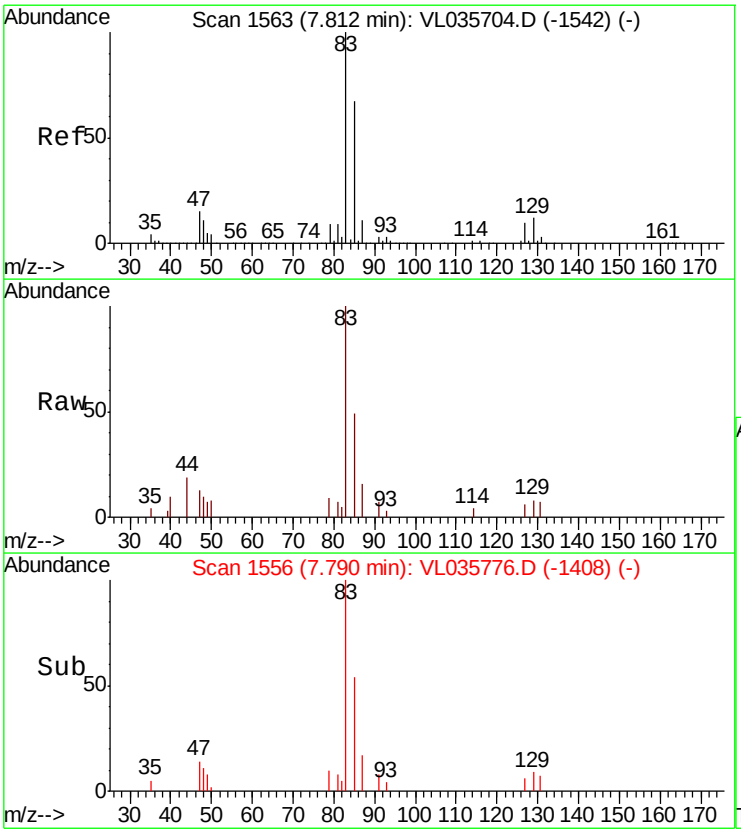
#39
1,2-Dichloropropane
Concen: 8.281 ppbv
RT: 7.18 min Scan# 1365
Delta R.T. -0.46 min
Lab File: VL035776.D
Acq: 13 Oct 2020 00:14

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

Tgt Ion: 63 Resp: 758923

Ion	Ratio	Lower	Upper
63	100		
41	0.0	42.6	63.8#
62	16.6	56.5	84.7#

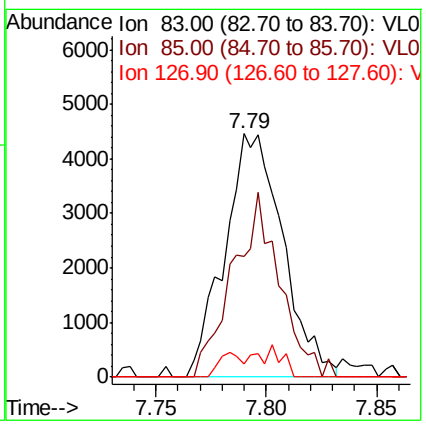


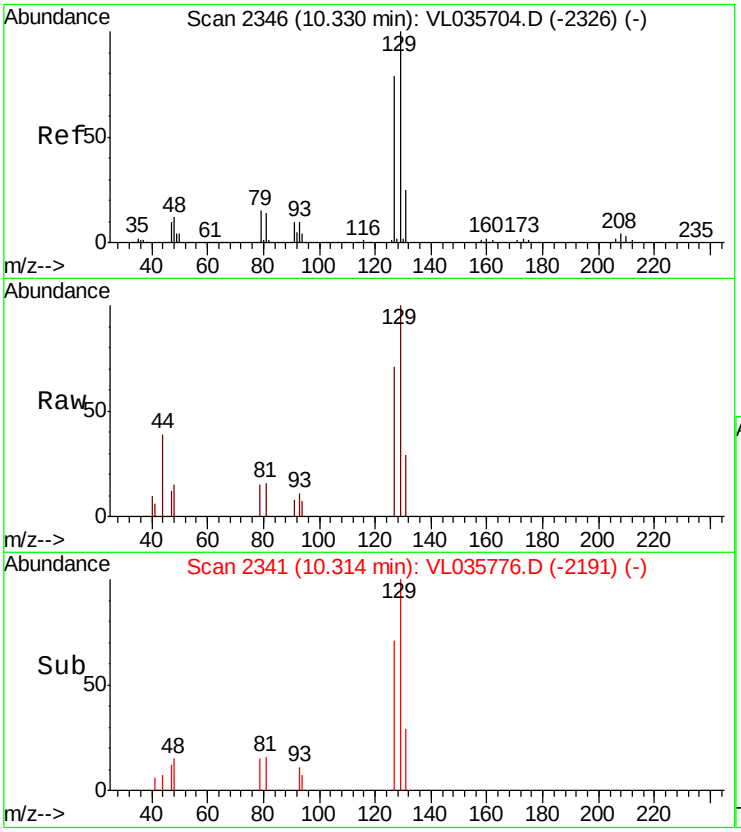


#42
Bromodichloromethane
Concen: 0.039 ppbv
RT: 7.79 min Scan# 1556
Delta R.T. -0.02 min
Lab File: VL035776.D
Acq: 13 Oct 2020 00:14

Tgt Ion: 83 Resp: 8181

Ion	Ratio	Lower	Upper
83	100		
85	49.4	53.4	80.0#
127	5.5	7.8	11.6#



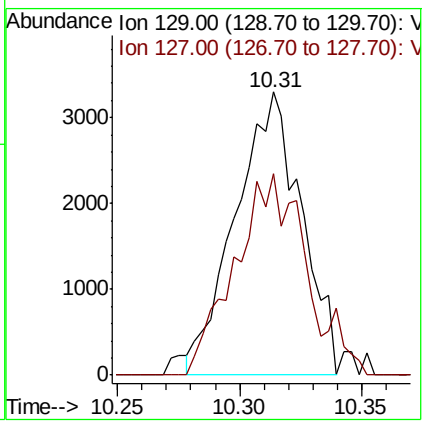


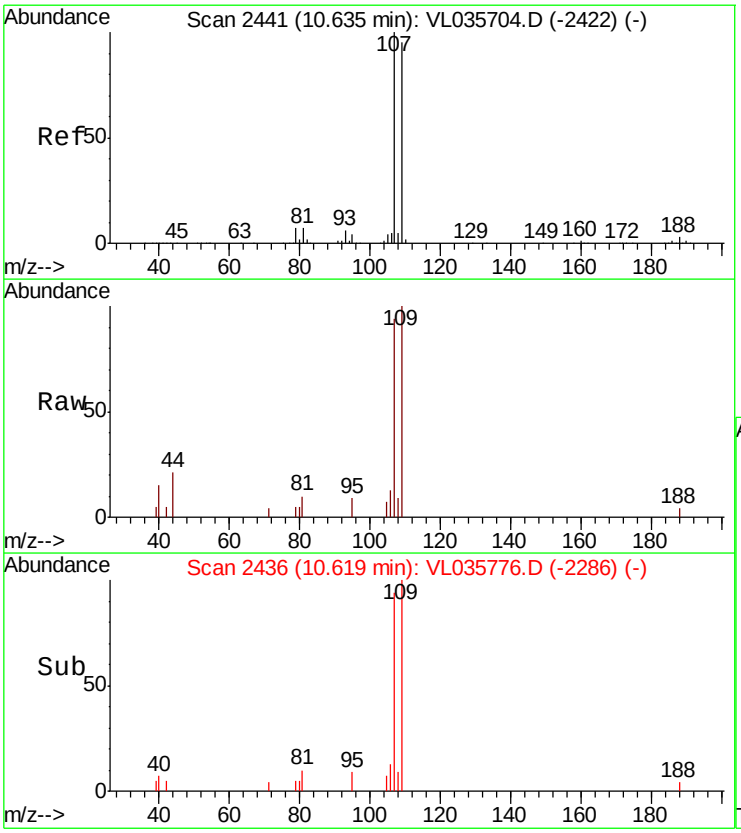
#48
Dibromochloromethane
Concen: 0.031 ppbv
RT: 10.31 min Scan# 2341
Delta R.T. -0.02 min
Lab File: VL035776.D
Acq: 13 Oct 2020 00:14

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

Tgt Ion:129 Resp: 6177

Ion	Ratio	Lower	Upper
129	100		
127	77.2	39.4	118.1

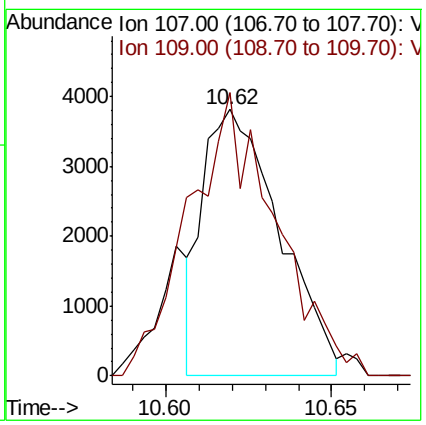


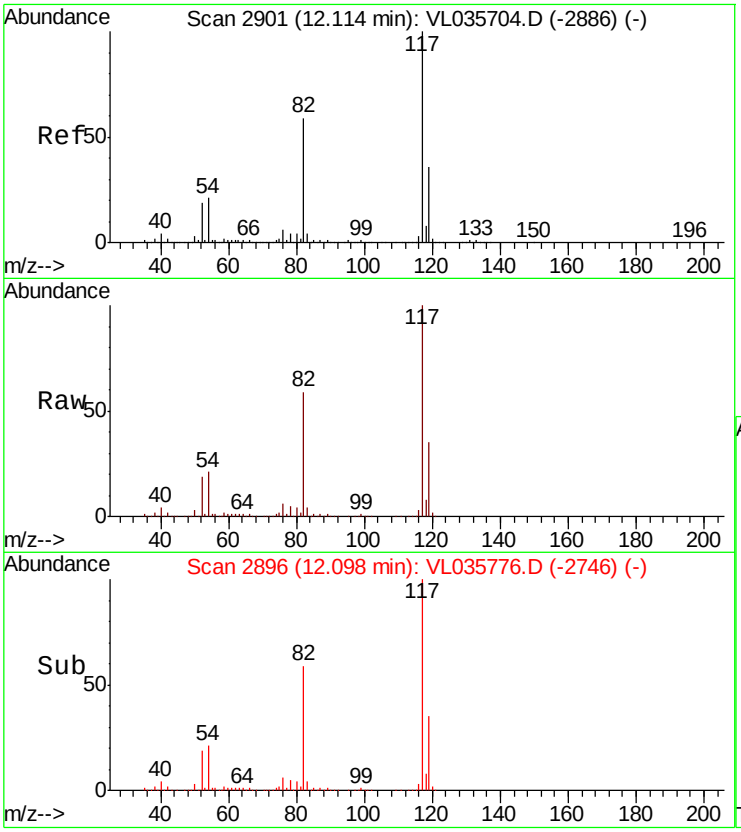


#54
1,2-Dibromoethane
Concen: 0.031 ppbv
RT: 10.62 min Scan# 2436
Delta R.T. -0.02 min
Lab File: VL035776.D
Acq: 13 Oct 2020 00:14

Tgt Ion:107 Resp: 6128

Ion	Ratio	Lower	Upper
107	100		
109	101.3	76.0	114.0



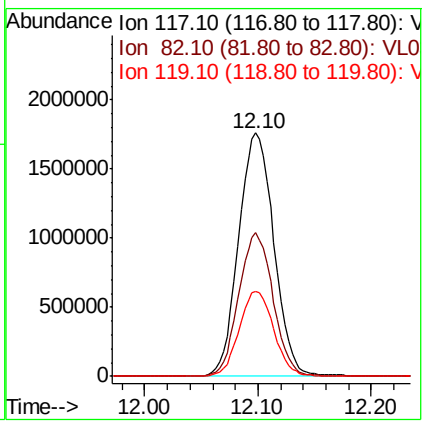


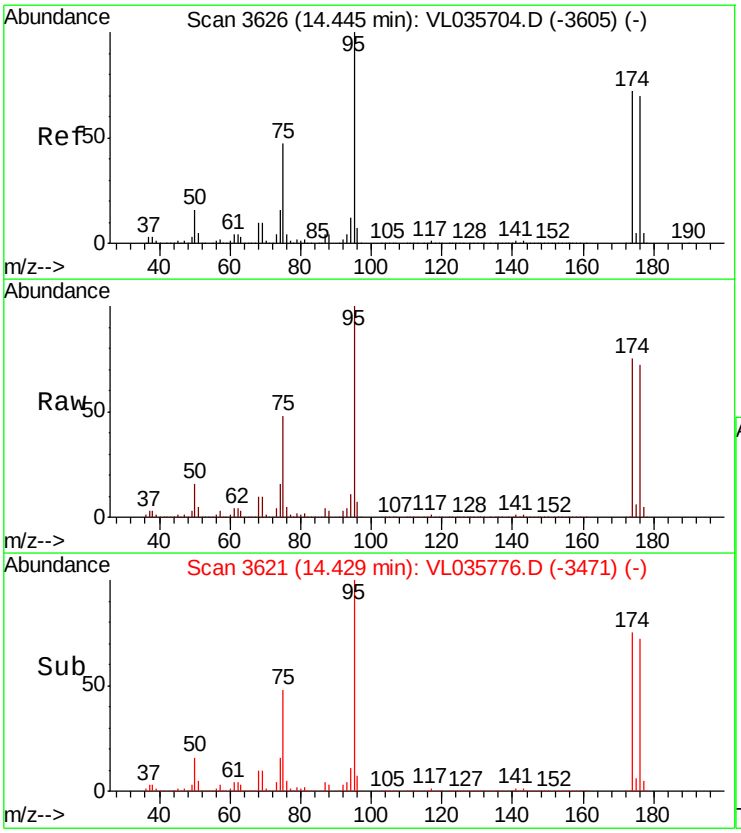
#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 12.10 min Scan# 2896
Delta R.T. -0.02 min
Lab File: VL035776.D
Acq: 13 Oct 2020 00:14

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

Tgt Ion:117 Resp: 3822195

Ion	Ratio	Lower	Upper
117	100		
82	57.7	46.1	69.1
119	34.5	28.0	42.0

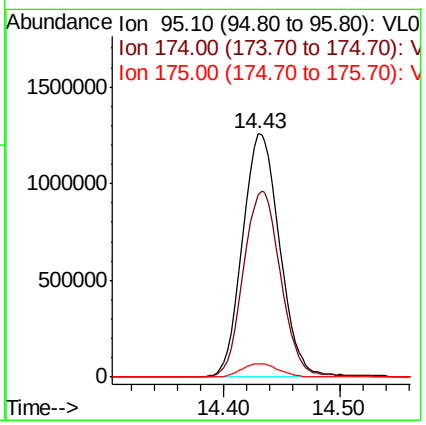


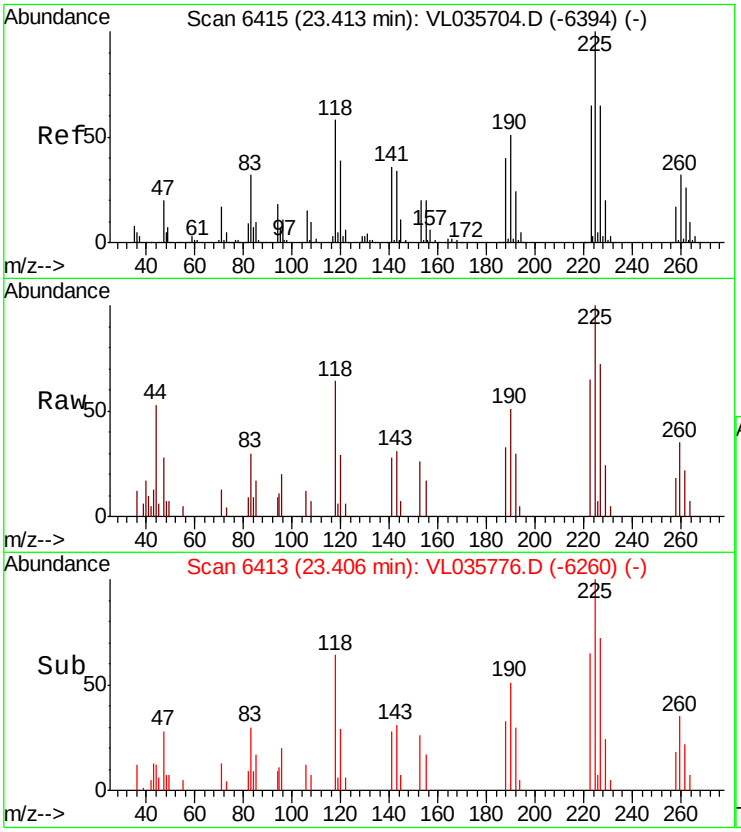


#68
1-Bromo-4-Fluorobenzene
Concen: 9.812 ppbv
RT: 14.43 min Scan# 3621
Delta R.T. -0.02 min
Lab File: VL035776.D
Acq: 13 Oct 2020 00:14

Tgt Ion: 95 Resp: 2810189

Ion	Ratio	Lower	Upper
95	100		
174	77.7	59.6	89.4
175	5.6	4.2	6.4





#78
Hexachloro-1,3-Butadiene
Concen: 0.049 ppbv
RT: 23.41 min Scan# 6413
Delta R.T. -0.01 min
Lab File: VL035776.D
Acq: 13 Oct 2020 00:14

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

Tgt Ion:225 Resp: 7426

Ion	Ratio	Lower	Upper
225	100		
223	70.2	51.3	76.9
227	69.6	51.6	77.4