Quantitation Report (Not Reviewed)

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_L\DATA\VL073020\
Data File : VL035289.D
Acq On : 30 Jul 2020 21:19
Operator : SY/AP
Sample : L3216-15 0.4
Misc : 400ml/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_L
ClientSampleId : MDL-AIR-01-QT3-2020

Quant Time: Jul 31 05:07:52 2020
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL072920AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LWed Jul 29 07:14:29 2020
QLast Update : Wed Jul 29 07:14:29 2020
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
1) Bromochloromethane	5.66	49	1075604	10.00	ppbv		0.00
33) 1,4-Difluorobenzene	7.19	114	2729933	10.00	ppbv		0.00
55) Chlorobenzene-d5	12.12	117	2458397	10.00	ppbv		0.00
System Monitoring Compounds							
68) 1-Bromo-4-Fluorobenzene	14.46	95	2076253	10.57	ppbv		0.00
Spiked Amount 10.000	Range 65 - 135		Recovery = 105.70%				
Target Compounds							Qvalue
2) Dichlorodifluoromethane	3.01	85	82197	0.640	ppbv		93
3) Chlorodifluoromethane	2.95	51	55063	0.462	ppbv		98
4) Chloromethane	3.11	50	30804	0.460	ppbv	#	75
5) Vinyl Chloride	3.23	62	28092	0.403	ppbv	#	79
6) Bromomethane	3.44	94	19886	0.461	ppbv		83
7) Chloroethane	3.52	64	3799	0.151	ppbv		97
8) Dichlorotetrafluoroethane	3.15	85	89727	0.550	ppbv		93
9) Propene	2.97	41	10028	0.242	ppbv	#	15
10) Heptane	8.14	43	19200	0.171	ppbv	#	25
11) Trichlorofluoromethane	3.93	101	92575	0.536	ppbv		98
12) 1,1,2-Trichlorotrifluoroet	4.47	101	61635	0.503	ppbv		97
13) Ethanol	3.59	45	3217	0.190	ppbv	#	1
14) Bromoethene	3.71	108	20466	0.409	ppbv	#	82
15) Acetone	3.84	43	76452	0.533	ppbv		94
16) 1,3-Butadiene	3.30	39	20746	0.371	ppbv		94
17) tert-Butyl alcohol	4.29	59	59394	0.429	ppbv		97
18) 1,1-Dichloroethene	4.27	96	15789	0.290	ppbv	#	72
19) Isopropyl Alcohol	3.95	45	38298	0.405	ppbv	#	77
20) Methylene Chloride	4.33	84	21702	0.332	ppbv		91
21) Allyl Chloride	4.40	41	35634	0.436	ppbv		94
22) trans-1,2-Dichloroethene	4.88	96	25766	0.493	ppbv	#	77
23) Vinyl Acetate	5.07	43	28839	0.200	ppbv	#	79
24) 1,1-Dichloroethane	5.00	63	60562	0.450	ppbv		97
25) Ethyl Acetate	5.68	43	87324	0.390	ppbv	#	96
26) Hexane	5.69	57	33198	0.328	ppbv	#	65
27) Carbon Disulfide	4.53	76	58327	0.427	ppbv	#	93
28) Methyl tert-Butyl Ether	5.04	73	44336	0.307	ppbv		92
29) Chloroform	5.75	83	80963	0.478	ppbv		94
30) Cyclohexane	7.15	84	5529	0.077	ppbv	#	1
31) cis-1,2-Dichloroethene	5.54	61	30671	0.348	ppbv	#	82
32) 1,1,1-Trichloroethane	6.52	97	74462	0.429	ppbv		97
34) 2-Butanone	5.25	43	41190	0.297	ppbv		97
35) Carbon Tetrachloride	7.03	117	36258	0.198	ppbv		98
36) Benzene	6.91	78	26810	0.141	ppbv		94
37) 1,2-Dichloroethane	6.31	62	35582	0.268	ppbv	#	85
38) Trichloroethene	7.85	130	14301	0.182	ppbv	#	72
39) 1,2-Dichloropropane	7.63	63	11335	0.150	ppbv	#	71
42) Bromodichloromethane	7.81	83	36490	0.206	ppbv		93
43) Methyl Methacrylate	8.03	69	10916	0.133	ppbv	#	1
44) 2,2,4-Trimethylpentane	7.89	57	95132	0.285	ppbv	#	86
45) t-1,3-Dichloropropene	9.30	75	7627	0.092	ppbv		90

Quantitation Report (Not Reviewed)

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_L\DATA\VL073020\
Data File : VL035289.D
Acq On : 30 Jul 2020 21:19
Operator : SY/AP
Sample : L3216-15 0.4
Misc : 400ml/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_L
ClientSampleId : MDL-AIR-01-QT3-2020

Quant Time: Jul 31 05:07:52 2020
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL072920AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LWed Jul 29 07:14:29 2020
QLast Update : Wed Jul 29 07:14:29 2020
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc Units		Dev(Min)
46) cis-1,3-Dichloropropene	8.72	75	16550	0.164 ppbv	#	67
47) 1,1,2-Trichloroethane	9.51	97	19198	0.215 ppbv		89
48) Dibromochloromethane	10.34	129	52267	0.371 ppbv		99
49) Bromoform	13.09	173	30508	0.241 ppbv	#	61
50) 4-Methyl-2-Pentanone	8.78	43	42529	0.211 ppbv		93
53) Toluene	9.83	91	18707	0.093 ppbv	#	1
54) 1,2-Dibromoethane	10.65	107	26035	0.201 ppbv	#	75
56) 1,1,1,2-Tetrachloroethane	12.17	131	44995	0.398 ppbv	#	1
57) Chlorobenzene	12.19	112	63232	0.342 ppbv	#	76
59) m/p-Xylene	13.03	91	38023	0.157 ppbv	#	30
60) o-Xylene	13.74	91	35314	0.146 ppbv	#	44
61) Styrene	13.57	104	12122	0.083 ppbv	#	1
62) Isopropylbenzene	14.72	105	112546	0.313 ppbv		99
63) 1,1,2,2-Tetrachloroethane	13.72	83	40857	0.196 ppbv	#	24
64) n-propylbenzene	15.61	120	16221	0.169 ppbv	#	1
65) tert-Butylbenzene	16.79	119	42256	0.130 ppbv	#	16
66) Benzyl Chloride	17.04	91	45533	0.356 ppbv	#	91
67) sec-Butylbenzene	17.34	105	79337	0.167 ppbv	#	58
69) p-Isopropyltoluene	17.70	119	69424	0.179 ppbv	#	46
70) n-Butylbenzene	18.60	91	82935	0.197 ppbv	#	68
71) 2-Chlorotoluene	15.51	91	45416	0.167 ppbv		73
72) 4-Ethyltoluene	15.89	105	38922	0.143 ppbv	#	56
73) 1,3,5-Trimethylbenzene	16.04	105	74168	0.279 ppbv		95
74) 1,2,4-Trimethylbenzene	16.81	105	98706	0.319 ppbv		92
75) 1,3-Dichlorobenzene	17.05	146	96341	0.483 ppbv		95
76) 1,4-Dichlorobenzene	17.19	146	65624	0.364 ppbv		95
77) 1,2-Dichlorobenzene	17.88	146	31625	0.177 ppbv	#	7
78) Hexachloro-1,3-Butadiene	23.43	225	39616	0.271 ppbv	#	39
79) Naphthalene	22.27	128	23880	0.097 ppbv	#	95
80) Naphthalene,2-methyl-	25.02	142	11948	0.150 ppbv		96
81) 1,2,4-Trichlorobenzene	22.00	180	15240	0.102 ppbv	#	12

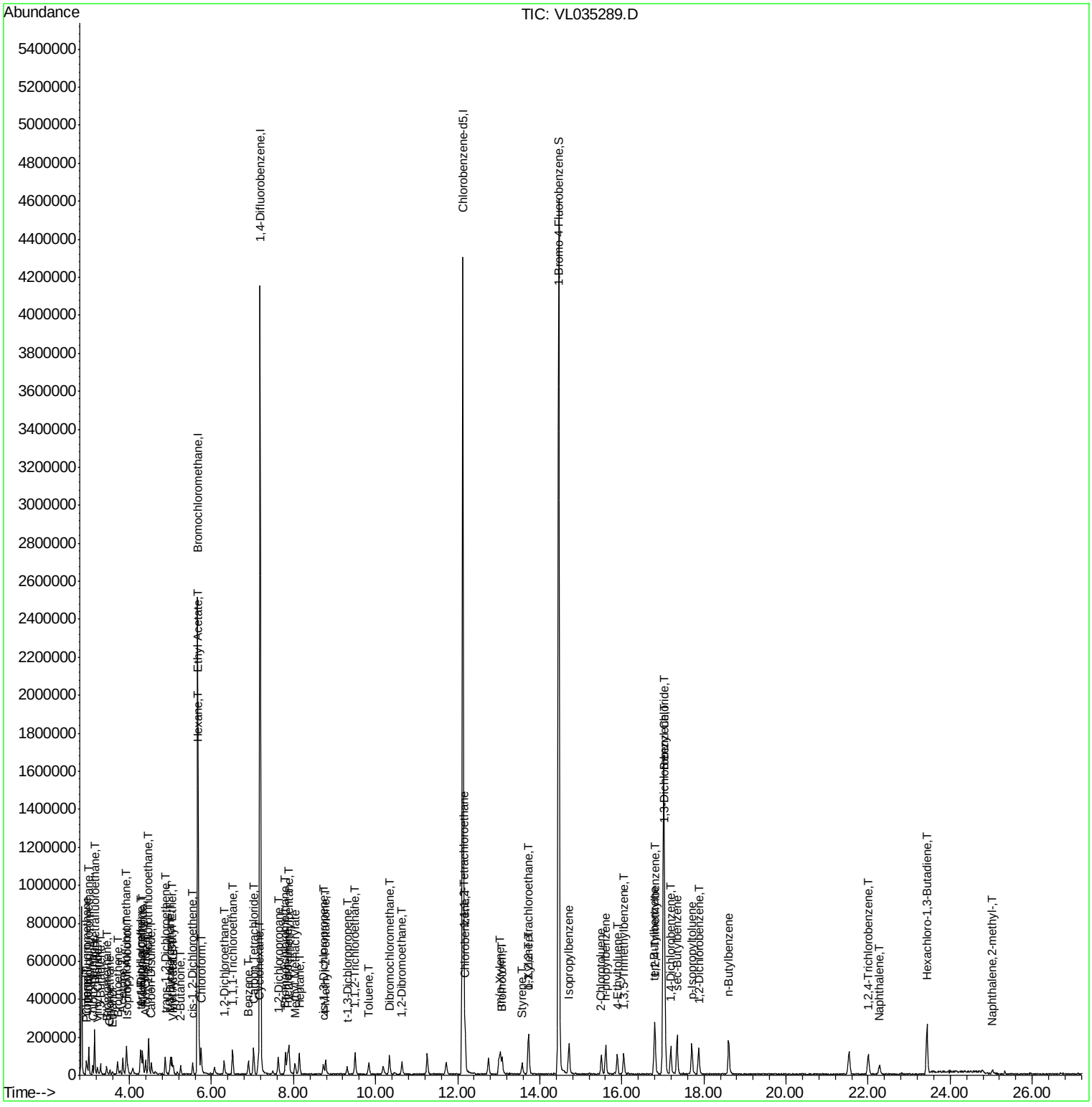
(#) = qualifier out of range (m) = manual integration (+) = signals summed

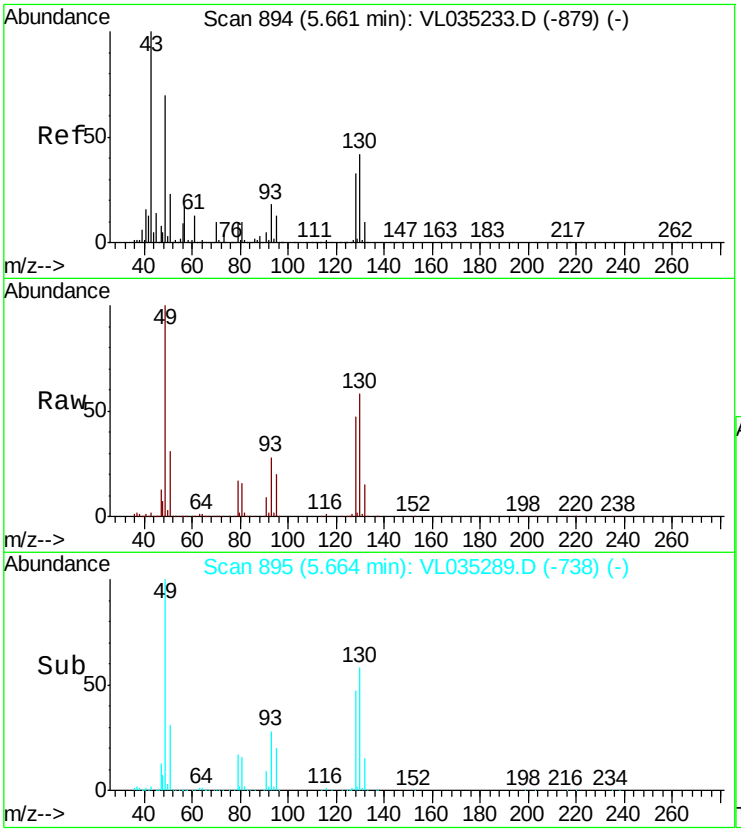
Quantitation Report (Not Reviewed)

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_L\DATA\VL073020\
Data File : VL035289.D
Acq On : 30 Jul 2020 21:19
Operator : SY/AP
Sample : L3216-15 0.4
Misc : 400ml/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_L
ClientSampleId : MDL-AIR-01-QT3-2020

Quant Time: Jul 31 05:07:52 2020
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL072920AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LWed Jul 29 07:14:29 2020
QLast Update : Wed Jul 29 07:14:29 2020
Response via : Initial Calibration



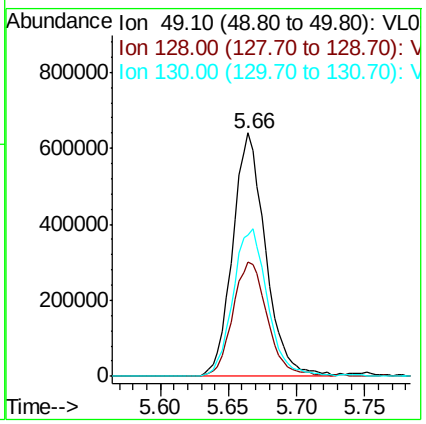


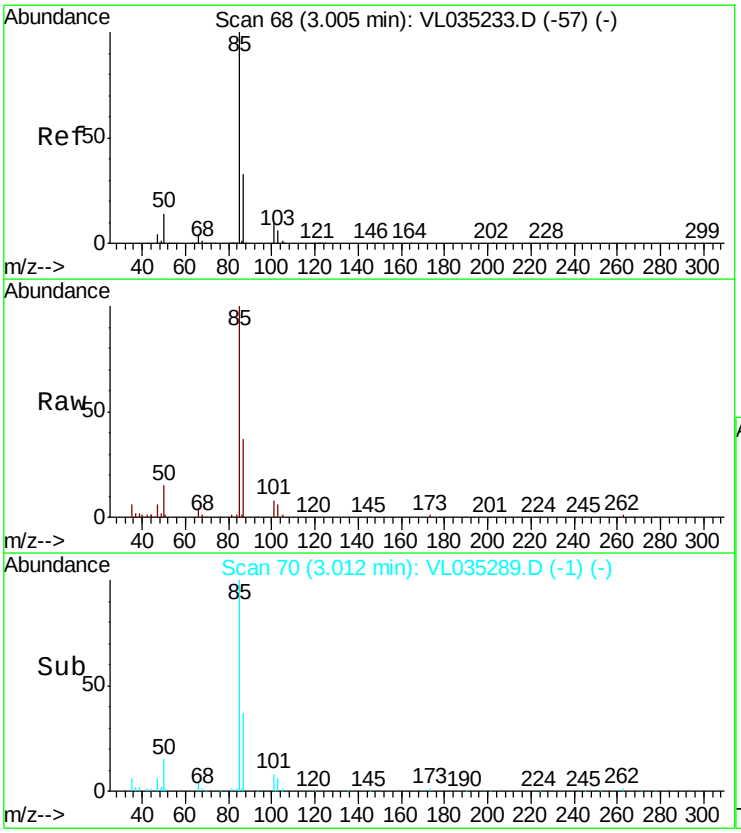
#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 5.66 min Scan# 895
Delta R.T. 0.00 min
Lab File: VL035289.D
Acq: 30 Jul 2020 21:19

Instrument :
MSVOA_L
ClientSampleId :
MDL-AIR-01-QT3-2020

Tgt Ion: 49 Resp: 1075604

Ion	Ratio	Lower	Upper
49	100		
128	49.4	24.0	72.0
130	64.3	30.7	92.1

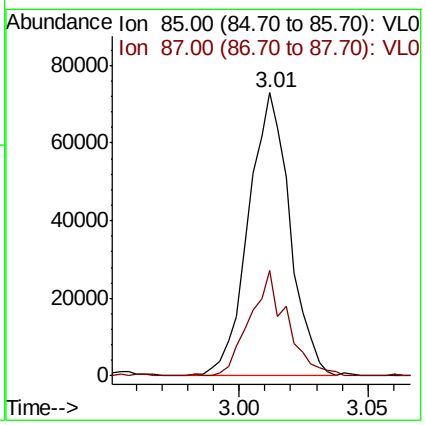


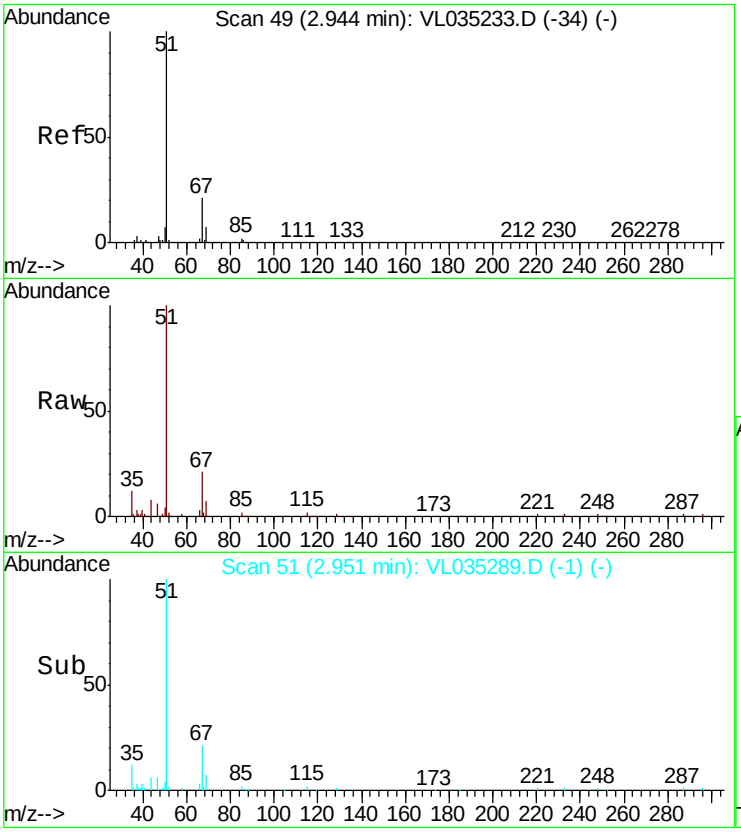


#2
Dichlorodifluoromethane
Concen: 0.640 ppbv
RT: 3.01 min Scan# 70
Delta R.T. 0.01 min
Lab File: VL035289.D
Acq: 30 Jul 2020 21:19

Tgt Ion: 85 Resp: 82197

Ion	Ratio	Lower	Upper
85	100		
87	37.3	26.7	40.1



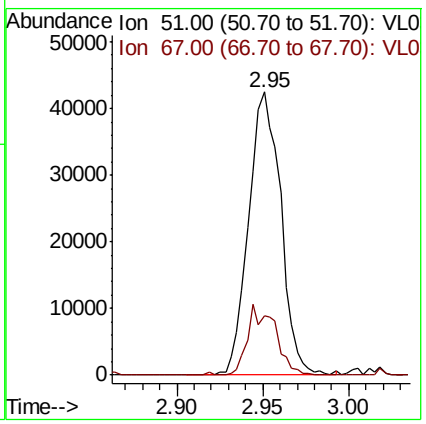


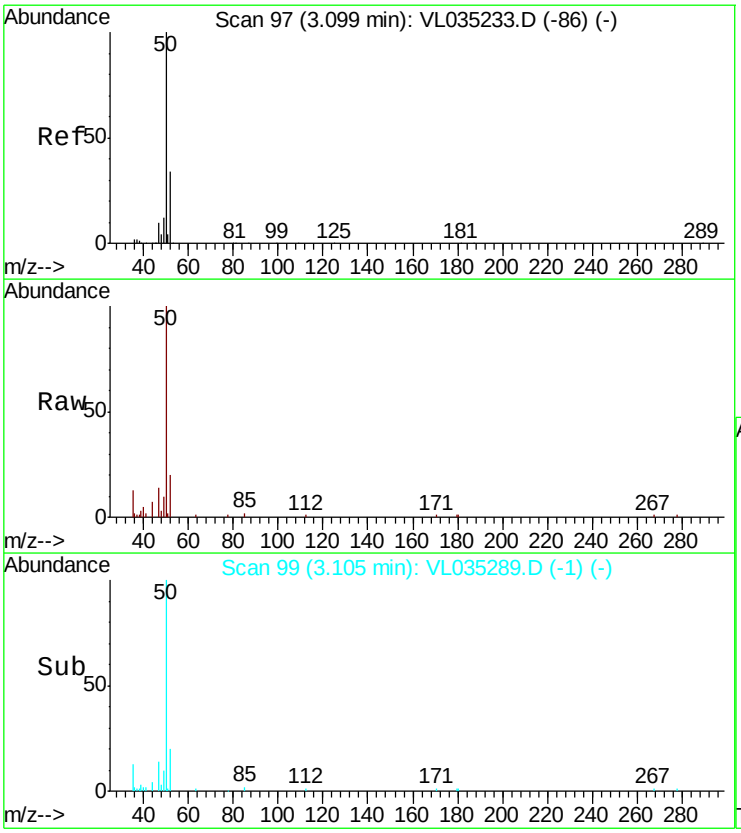
#3
Chlorodifluoromethane
Concen: 0.462 ppbv
RT: 2.95 min Scan# 51
Delta R.T. 0.01 min
Lab File: VL035289.D
Acq: 30 Jul 2020 21:19

Instrument :
MSVOA_L
ClientSampleId :
MDL-AIR-01-QT3-2020

Tgt Ion: 51 Resp: 55063

Ion	Ratio	Lower	Upper
51	100		
67	21.9	16.6	25.0

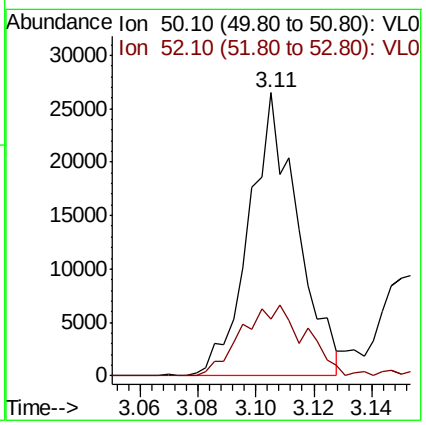


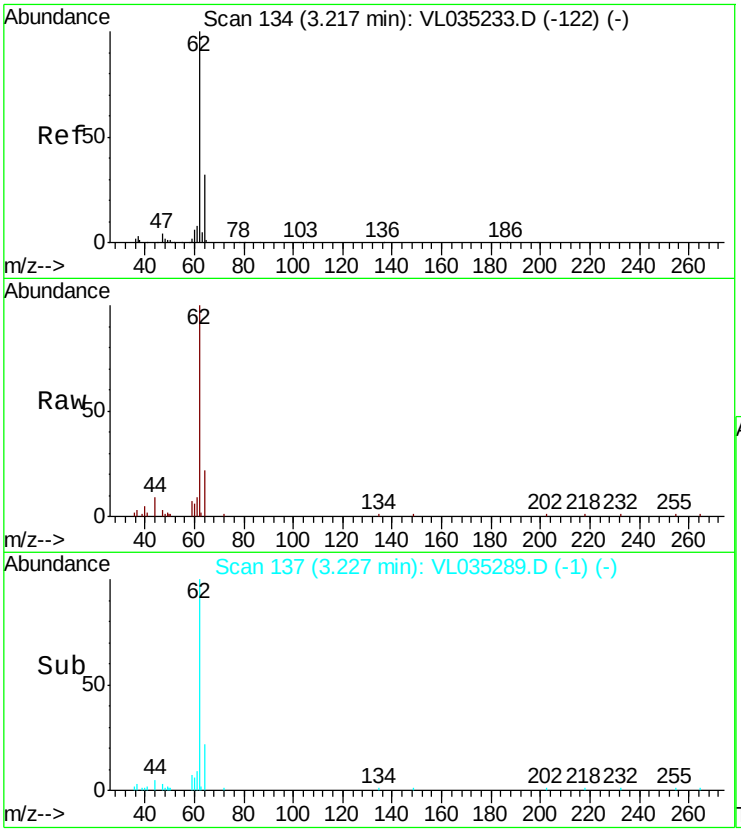


#4
Chloromethane
Concen: 0.460 ppbv
RT: 3.11 min Scan# 99
Delta R.T. 0.01 min
Lab File: VL035289.D
Acq: 30 Jul 2020 21:19

Tgt Ion: 50 Resp: 30804

Ion	Ratio	Lower	Upper
50	100		
52	19.8	27.1	40.7#



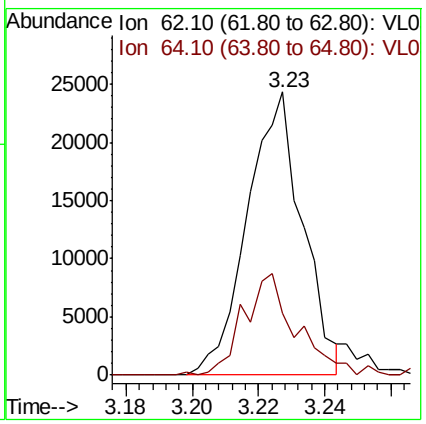


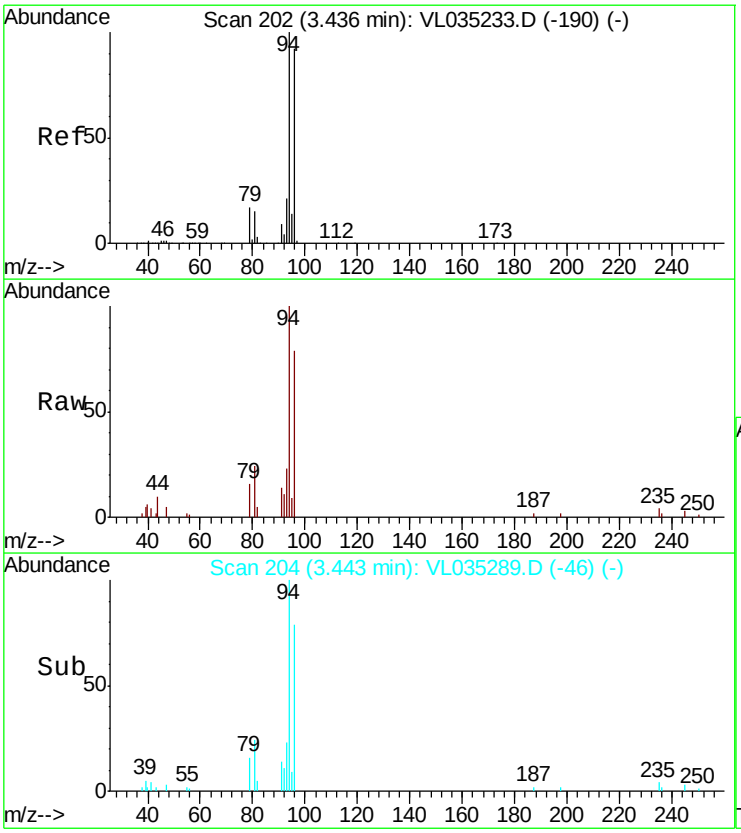
#5
Vinyl Chloride
Concen: 0.403 ppbv
RT: 3.23 min Scan# 137
Delta R.T. 0.01 min
Lab File: VL035289.D
Acq: 30 Jul 2020 21:19

Instrument : MSVOA_L
ClientSampleId : MDL-AIR-01-QT3-2020

Tgt Ion: 62 Resp: 28092

Ion	Ratio	Lower	Upper
62	100		
64	20.2	25.8	38.6#

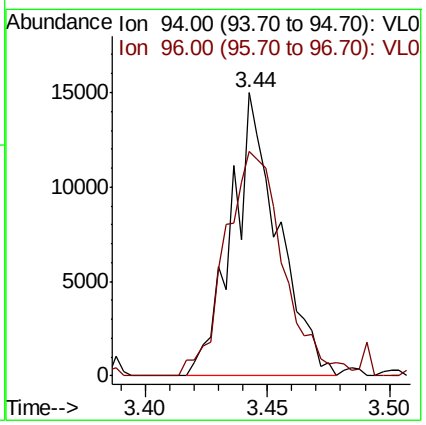


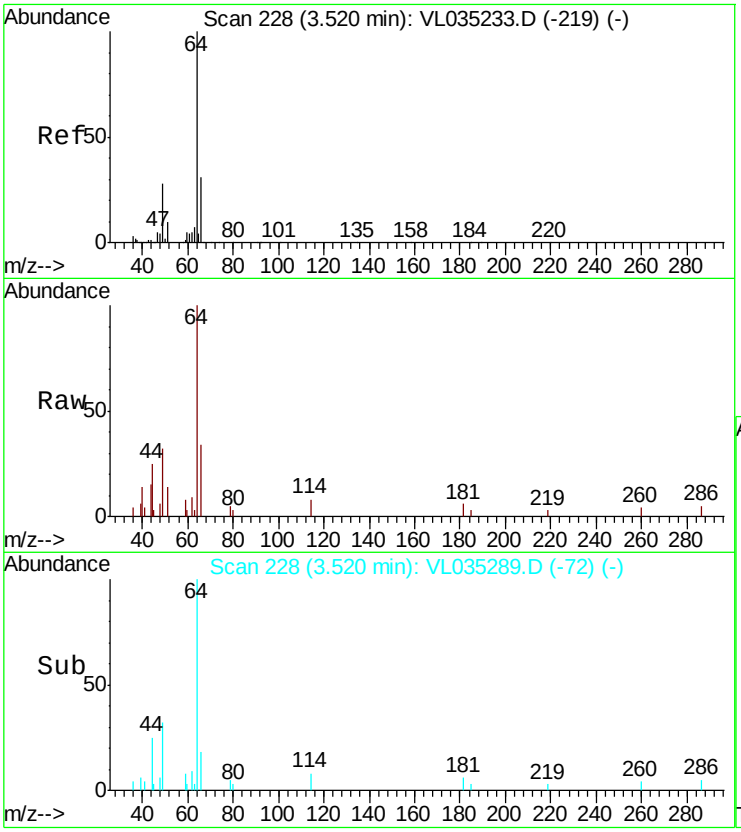


#6
Bromomethane
Concen: 0.461 ppbv
RT: 3.44 min Scan# 204
Delta R.T. 0.01 min
Lab File: VL035289.D
Acq: 30 Jul 2020 21:19

Tgt Ion: 94 Resp: 19886

Ion	Ratio	Lower	Upper
94	100		
96	74.9	73.2	109.8



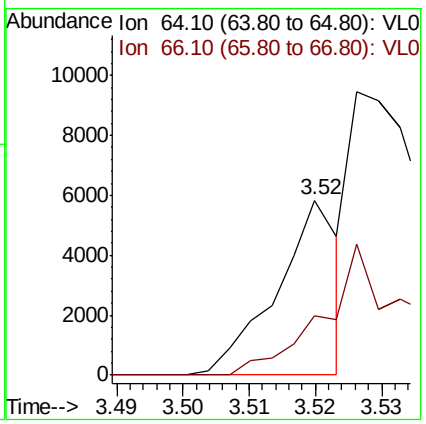


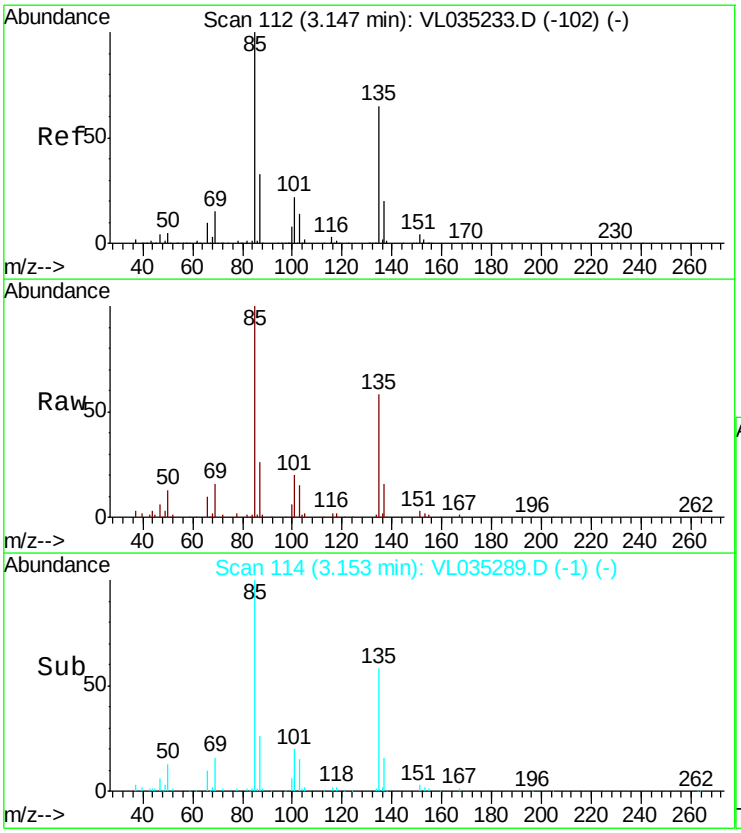
#7
Chloroethane
Concen: 0.151 ppbv
RT: 3.52 min Scan# 228
Delta R.T. 0.00 min
Lab File: VL035289.D
Acq: 30 Jul 2020 21:19

Instrument :
MSVOA_L
ClientSampleId :
MDL-AIR-01-QT3-2020

Tgt Ion: 64 Resp: 3799

Ion	Ratio	Lower	Upper
64	100		
66	33.7	25.6	38.4

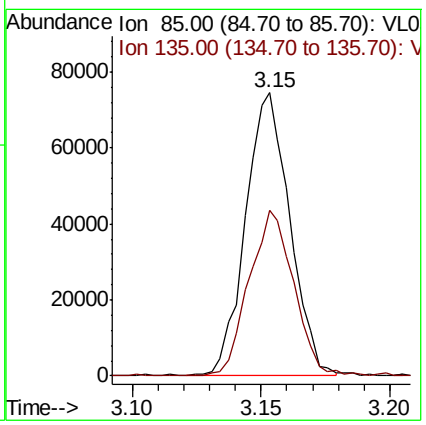


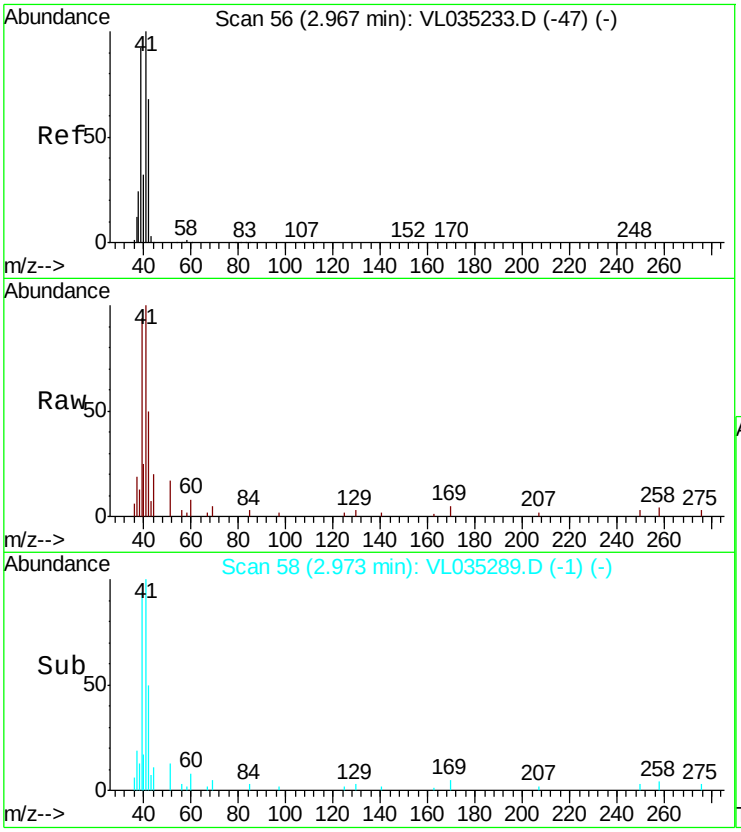


#8
Dichlorotetrafluoroethane
Concen: 0.550 ppbv
RT: 3.15 min Scan# 114
Delta R.T. 0.01 min
Lab File: VL035289.D
Acq: 30 Jul 2020 21:19

Tgt Ion: 85 Resp: 89727

Ion	Ratio	Lower	Upper
85	100		
135	59.0	51.4	77.0



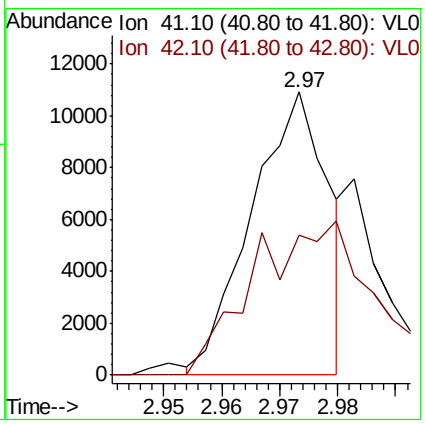


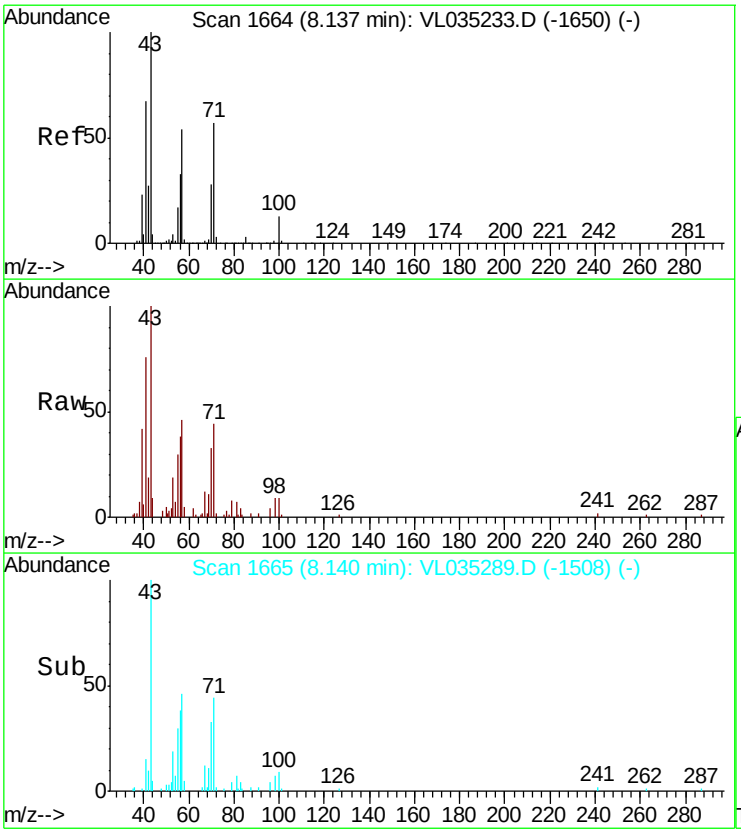
#9
Propene
Concen: 0.242 ppbv
RT: 2.97 min Scan# 58
Delta R.T. 0.01 min
Lab File: VL035289.D
Acq: 30 Jul 2020 21:19

Instrument :
MSVOA_L
ClientSampleId :
MDL-AIR-01-QT3-2020

Tgt Ion: 41 Resp: 10028

Ion	Ratio	Lower	Upper
41	100		
42	0.0	55.0	82.6#

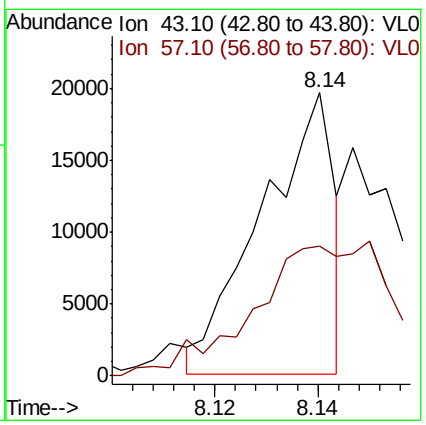


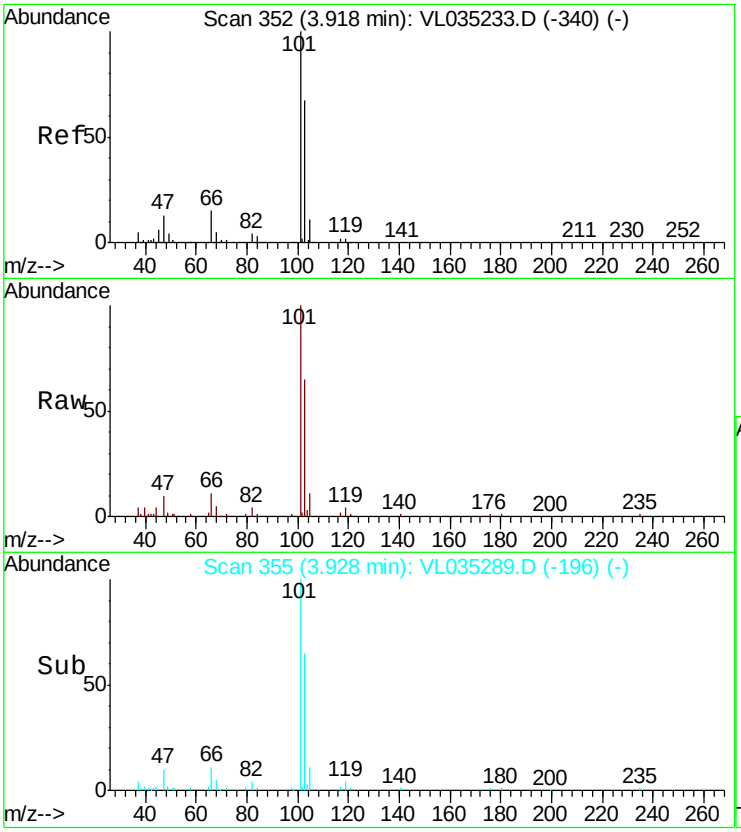


#10
Heptane
Concen: 0.171 ppbv
RT: 8.14 min Scan# 1665
Delta R.T. 0.00 min
Lab File: VL035289.D
Acq: 30 Jul 2020 21:19

Tgt Ion: 43 Resp: 19200

Ion	Ratio	Lower	Upper
43	100		
57	0.0	43.0	64.4#



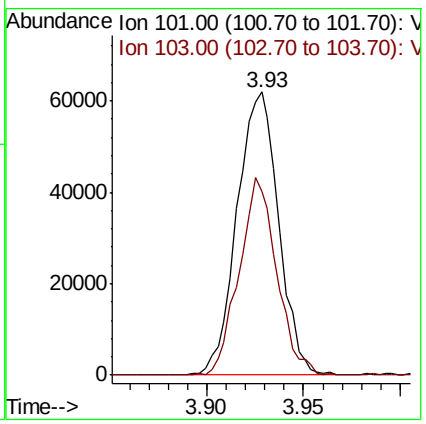


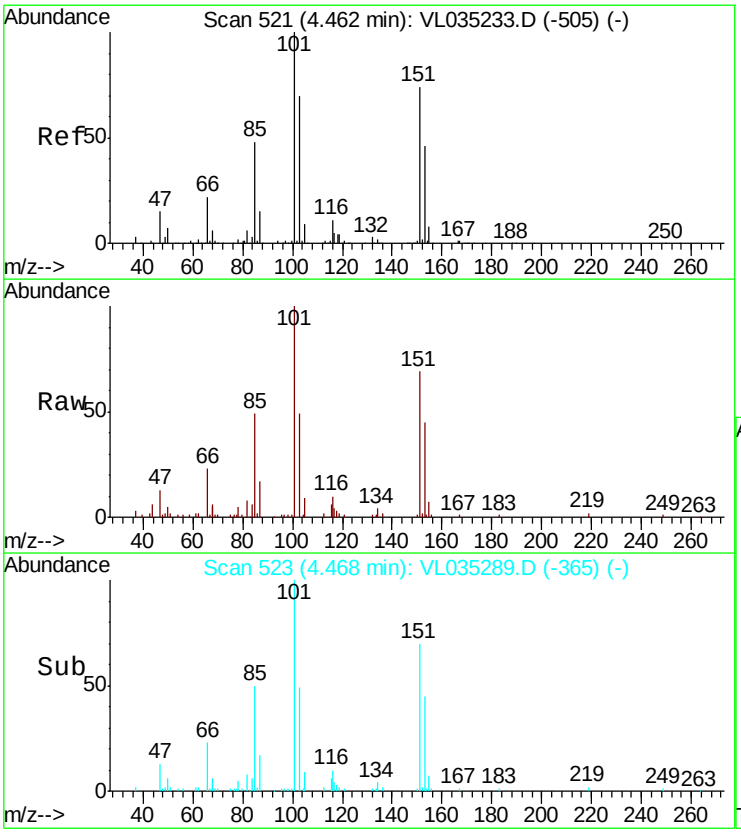
#11
Trichlorofluoromethane
Concen: 0.536 ppbv
RT: 3.93 min Scan# 355
Delta R.T. 0.01 min
Lab File: VL035289.D
Acq: 30 Jul 2020 21:19

Instrument :
MSVOA_L
ClientSampleId :
MDL-AIR-01-QT3-2020

Tgt Ion:101 Resp: 92575

Ion	Ratio	Lower	Upper
101	100		
103	64.7	53.4	80.0

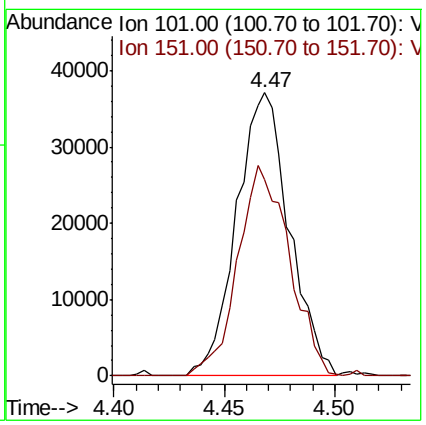


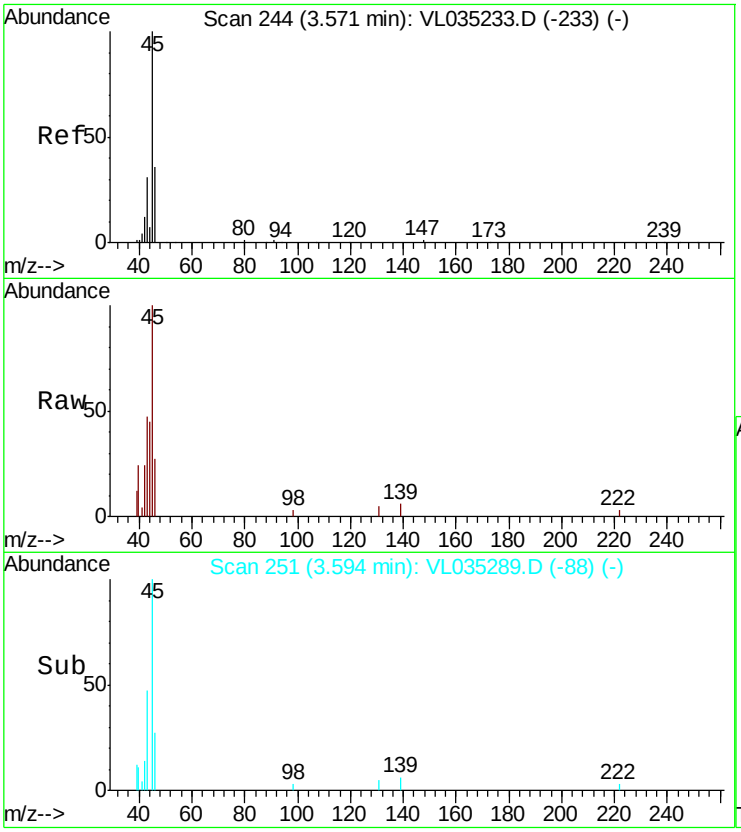


#12
1,1,2-Trichlorotrifluoroethane
Concen: 0.503 ppbv
RT: 4.47 min Scan# 523
Delta R.T. 0.01 min
Lab File: VL035289.D
Acq: 30 Jul 2020 21:19

Tgt Ion:101 Resp: 61635

Ion	Ratio	Lower	Upper
101	100		
151	72.9	56.6	85.0



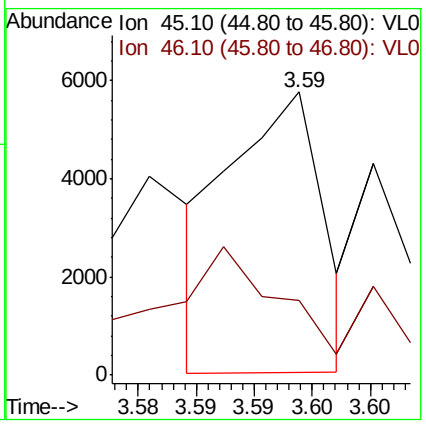


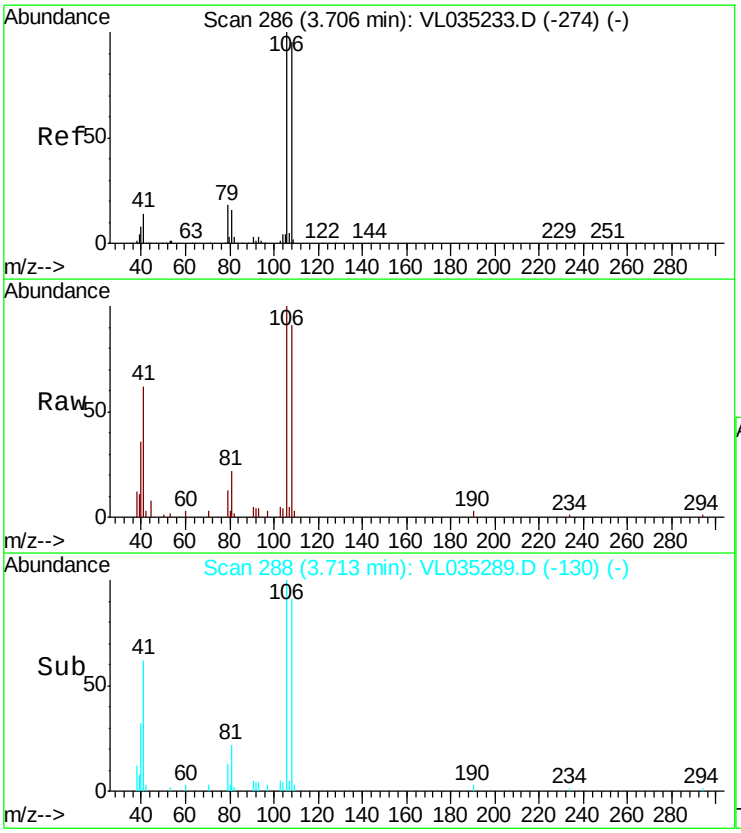
#13
Ethanol
Concen: 0.190 ppbv
RT: 3.59 min Scan# 251
Delta R.T. 0.02 min
Lab File: VL035289.D
Acq: 30 Jul 2020 21:19

Instrument :
MSVOA_L
ClientSampleId :
MDL-AIR-01-QT3-2020

Tgt Ion: 45 Resp: 3217

Ion	Ratio	Lower	Upper
45	100		
46	120.1	15.8	63.4#

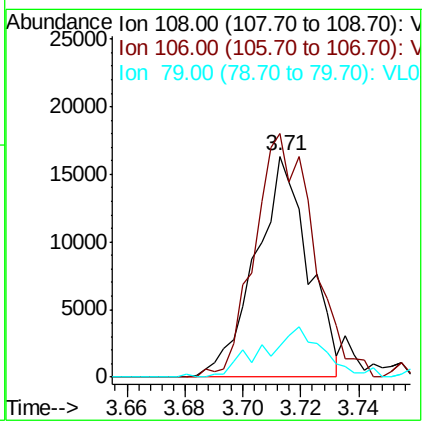


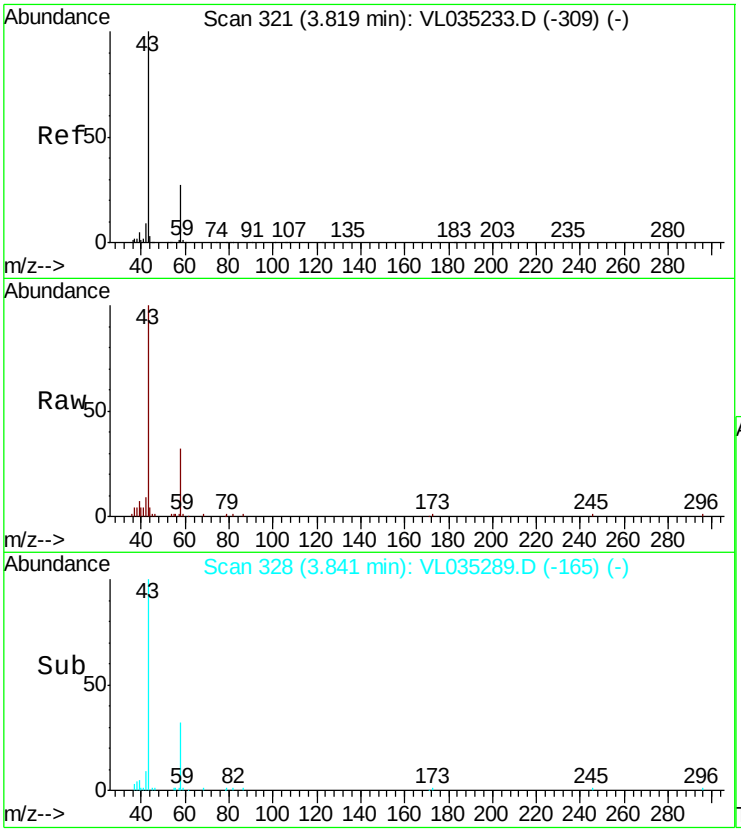


#14
Bromoethene
Concen: 0.409 ppbv
RT: 3.71 min Scan# 288
Delta R.T. 0.01 min
Lab File: VL035289.D
Acq: 30 Jul 2020 21:19

Tgt Ion:108 Resp: 20466

Ion	Ratio	Lower	Upper
108	100		
106	125.7	85.0	127.6
79	26.4	15.4	23.2#



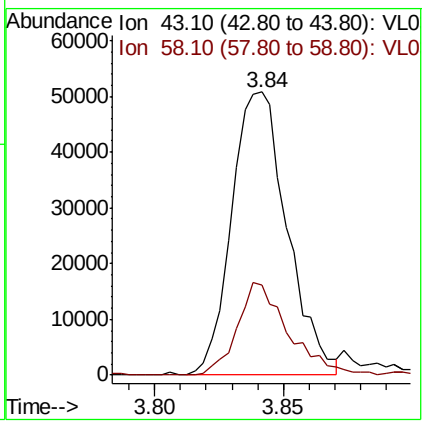


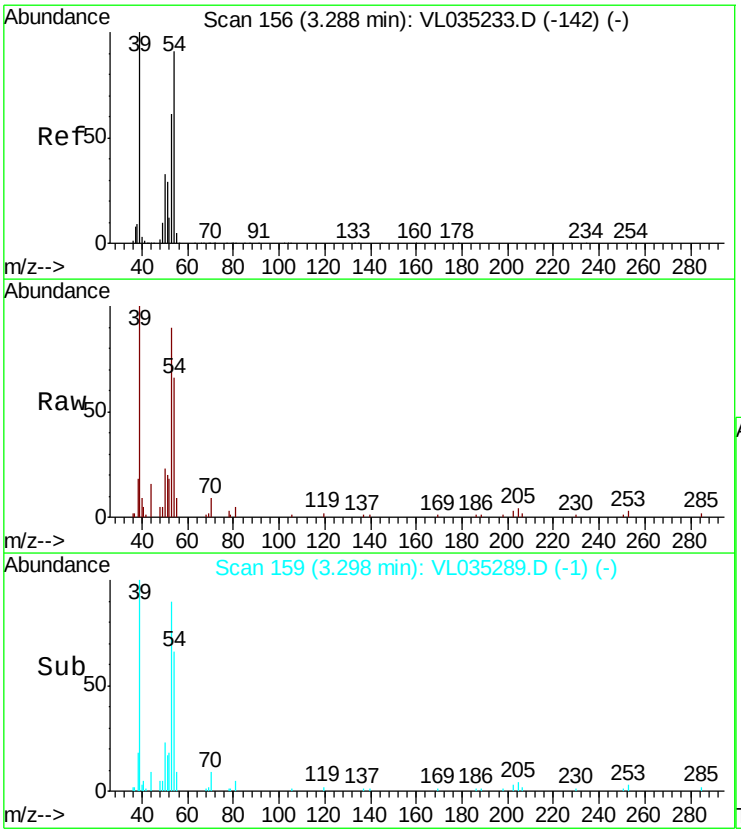
#15
Acetone
Concen: 0.533 ppbv
RT: 3.84 min Scan# 328
Delta R.T. 0.02 min
Lab File: VL035289.D
Acq: 30 Jul 2020 21:19

Instrument :
MSVOA_L
ClientSampleId :
MDL-AIR-01-QT3-2020

Tgt Ion: 43 Resp: 76452

Ion	Ratio	Lower	Upper
43	100		
58	30.5	21.8	32.6

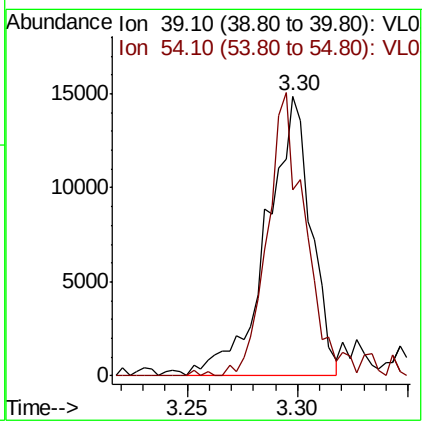


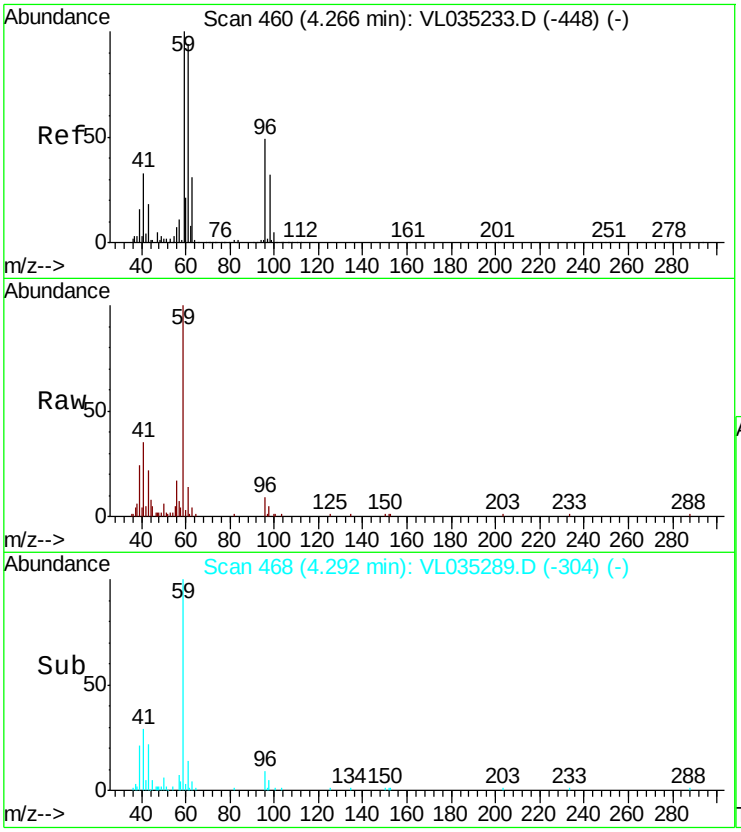


#16
1,3-Butadiene
Concen: 0.371 ppbv
RT: 3.30 min Scan# 159
Delta R.T. 0.01 min
Lab File: VL035289.D
Acq: 30 Jul 2020 21:19

Tgt Ion: 39 Resp: 20746

Ion	Ratio	Lower	Upper
39	100		
54	90.3	68.2	102.2



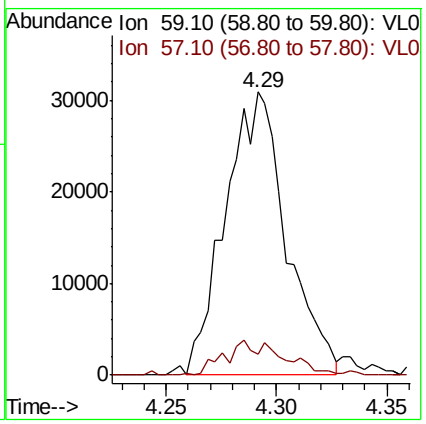


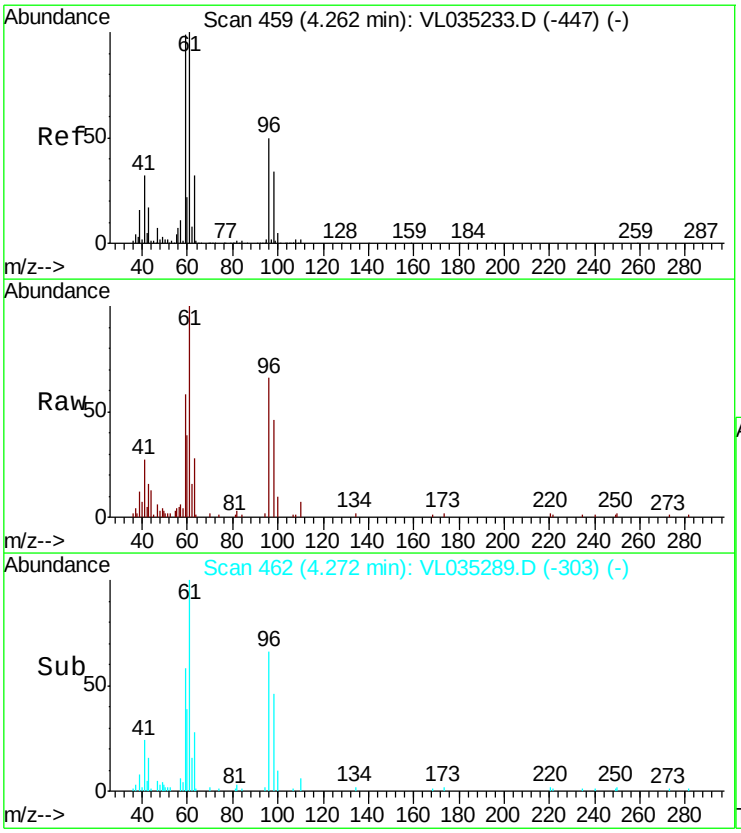
#17
tert-Butyl alcohol
Concen: 0.429 ppbv
RT: 4.29 min Scan# 468
Delta R.T. 0.03 min
Lab File: VL035289.D
Acq: 30 Jul 2020 21:19

Instrument :
MSVOA_L
ClientSampleId :
MDL-AIR-01-QT3-2020

Tgt Ion: 59 Resp: 59394

Ion	Ratio	Lower	Upper
59	100		
57	11.9	8.6	12.8

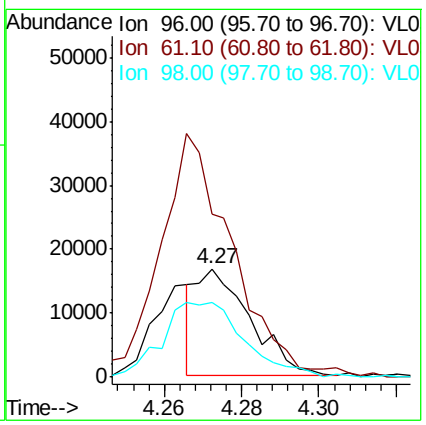


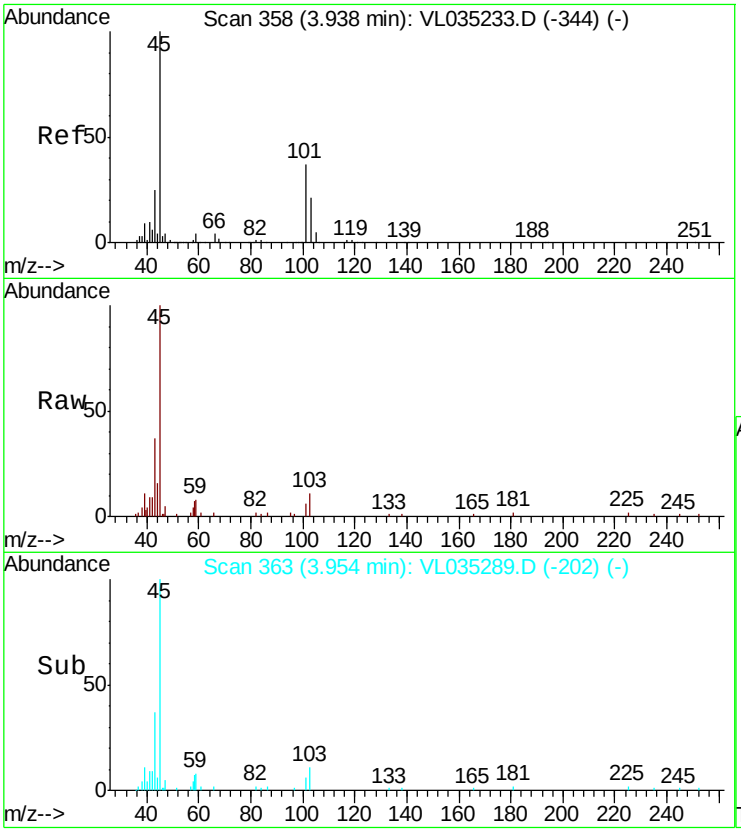


#18
1,1-Dichloroethene
Concen: 0.290 ppbv
RT: 4.27 min Scan# 462
Delta R.T. 0.01 min
Lab File: VL035289.D
Acq: 30 Jul 2020 21:19

Tgt Ion: 96 Resp: 15789

Ion	Ratio	Lower	Upper
96	100		
61	144.1	159.4	239.2#
98	68.1	53.9	80.9



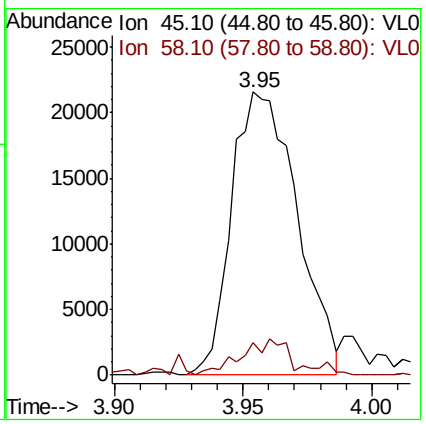


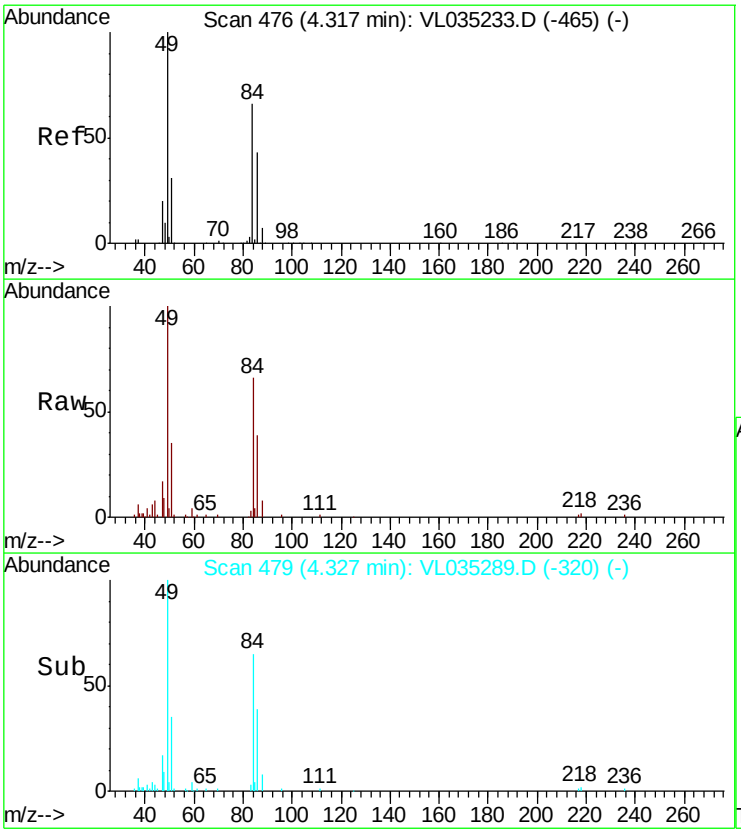
#19
Isopropyl Alcohol
Concen: 0.405 ppbv
RT: 3.95 min Scan# 363
Delta R.T. 0.02 min
Lab File: VL035289.D
Acq: 30 Jul 2020 21:19

Instrument :
MSVOA_L
ClientSampleId :
MDL-AIR-01-QT3-2020

Tgt Ion: 45 Resp: 38298

Ion	Ratio	Lower	Upper
45	100		
58	10.3	1.9	2.9#

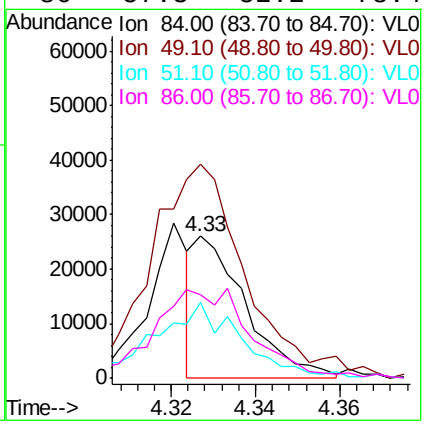


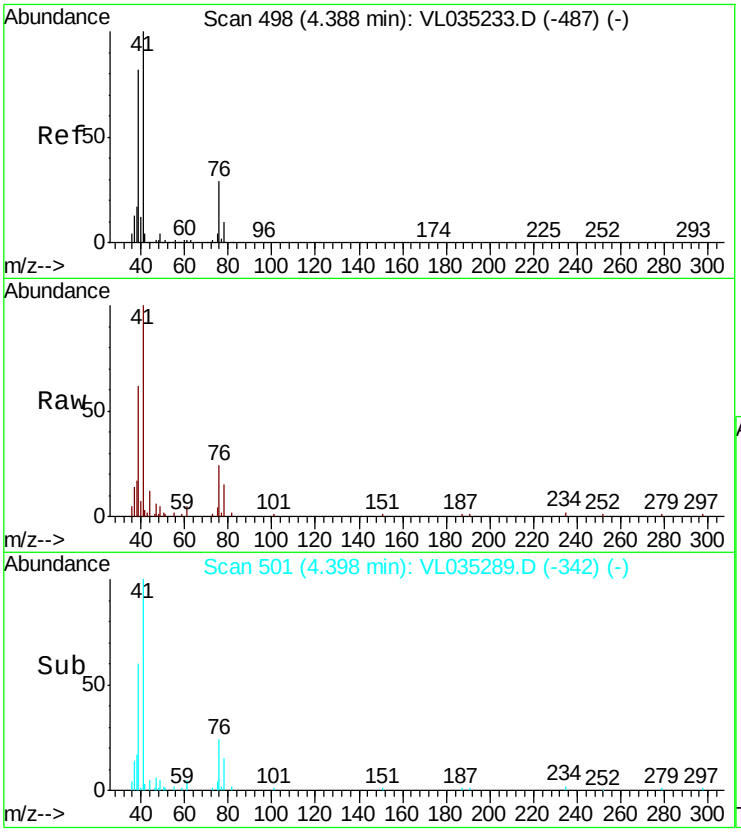


#20
Methylene Chloride
Concen: 0.332 ppbv
RT: 4.33 min Scan# 479
Delta R.T. 0.01 min
Lab File: VL035289.D
Acq: 30 Jul 2020 21:19

Tgt Ion: 84 Resp: 21702

Ion	Ratio	Lower	Upper
84	100		
49	138.4	121.0	181.4
51	49.7	37.7	56.5
86	57.3	52.2	78.4



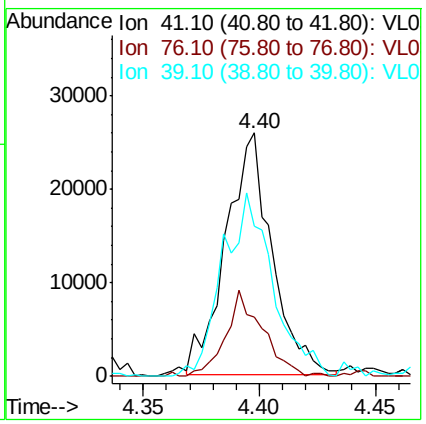


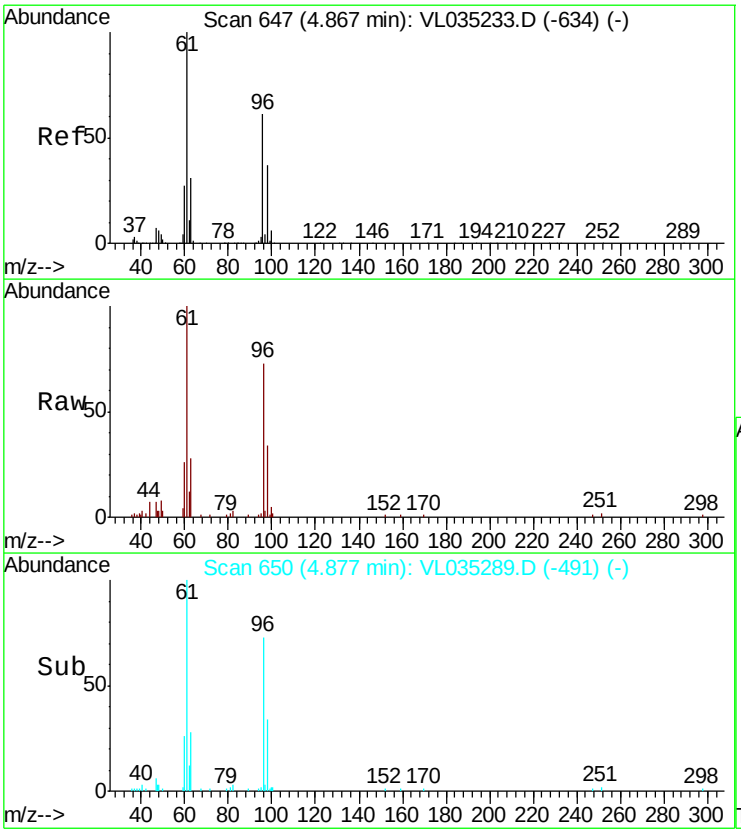
#21
Allyl Chloride
Concen: 0.436 ppbv
RT: 4.40 min Scan# 501
Delta R.T. 0.01 min
Lab File: VL035289.D
Acq: 30 Jul 2020 21:19

Instrument :
MSVOA_L
ClientSampleId :
MDL-AIR-01-QT3-2020

Tgt Ion: 41 Resp: 35634

Ion	Ratio	Lower	Upper
41	100		
76	28.8	24.4	36.6
39	86.6	63.8	95.8

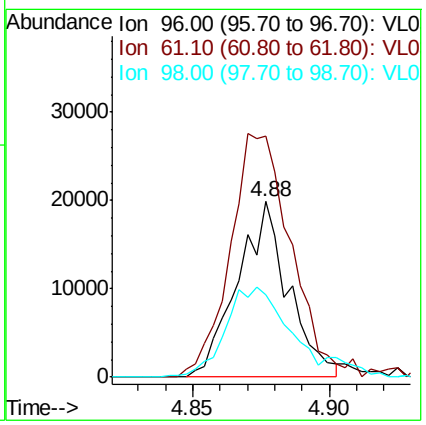


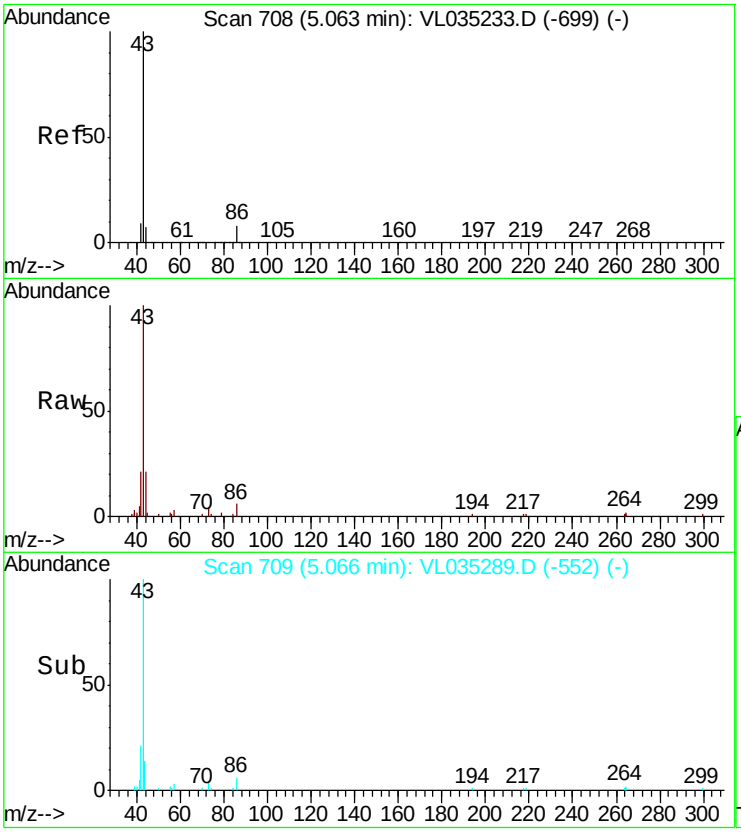


#22
trans-1,2-Dichloroethene
Concen: 0.493 ppbv
RT: 4.88 min Scan# 650
Delta R.T. 0.01 min
Lab File: VL035289.D
Acq: 30 Jul 2020 21:19

Tgt Ion: 96 Resp: 25766

Ion	Ratio	Lower	Upper
96	100		
61	133.1	131.6	197.4
98	45.4	49.0	73.4#



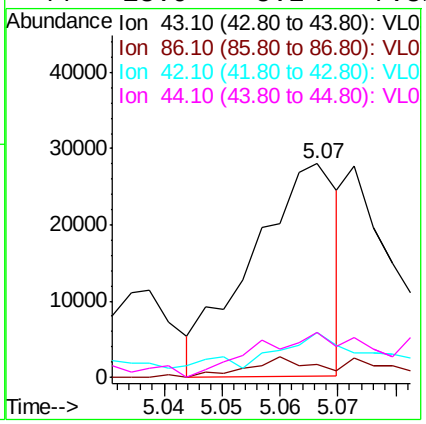


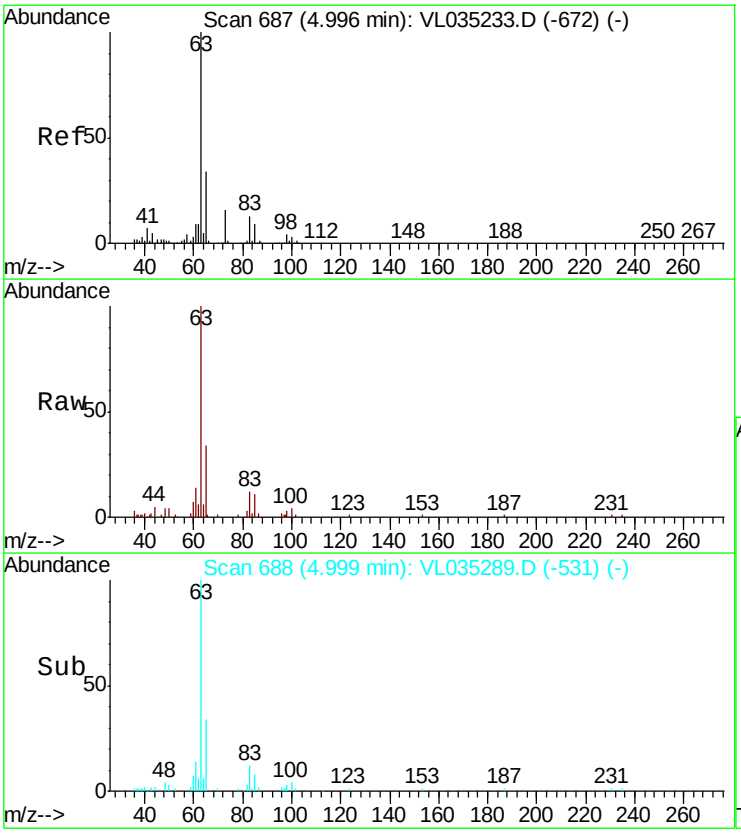
#23
Vinyl Acetate
Concen: 0.200 ppbv
RT: 5.07 min Scan# 709
Delta R.T. 0.00 min
Lab File: VL035289.D
Acq: 30 Jul 2020 21:19

Instrument : MSVOA_L
ClientSampleId : MDL-AIR-01-QT3-2020

Tgt Ion: 43 Resp: 28839

Ion	Ratio	Lower	Upper
43	100		
86	7.1	6.2	9.2
42	19.2	8.0	12.0#
44	18.9	5.2	7.8#

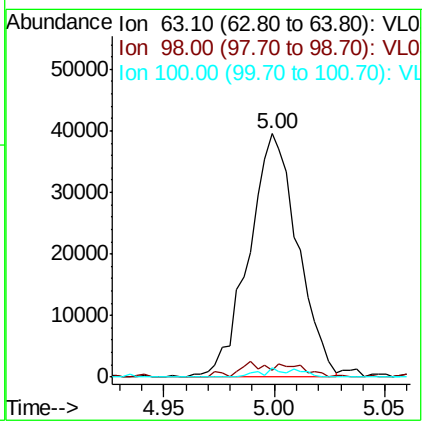


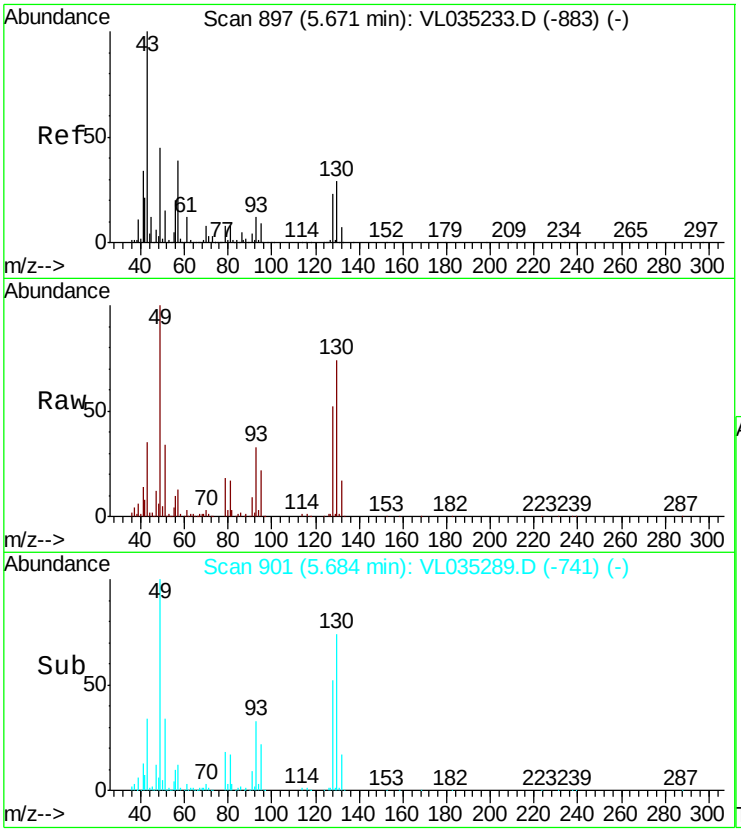


#24
1,1-Dichloroethane
Concen: 0.450 ppbv
RT: 5.00 min Scan# 688
Delta R.T. 0.00 min
Lab File: VL035289.D
Acq: 30 Jul 2020 21:19

Tgt Ion: 63 Resp: 60562

Ion	Ratio	Lower	Upper
63	100		
98	2.8	1.9	5.7
100	3.6	1.4	4.2



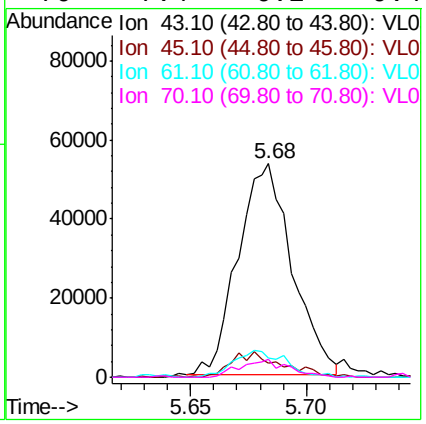


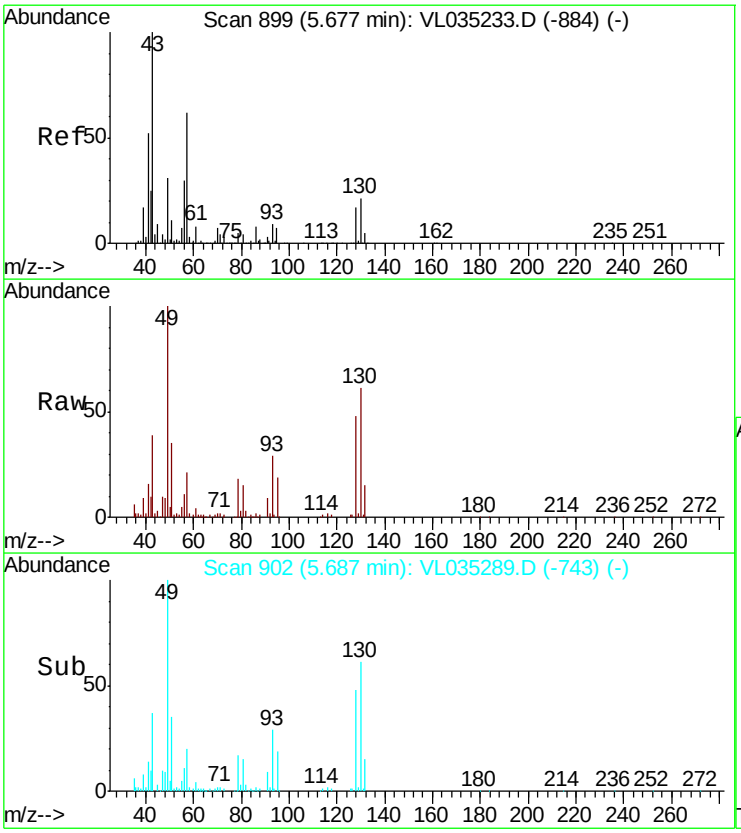
#25
Ethyl Acetate
Concen: 0.390 ppbv
RT: 5.68 min Scan# 901
Delta R.T. 0.01 min
Lab File: VL035289.D
Acq: 30 Jul 2020 21:19

Instrument : MSVOA_L
ClientSampleId : MDL-AIR-01-QT3-2020

Tgt Ion: 43 Resp: 87324

Ion	Ratio	Lower	Upper
43	100		
45	11.6	8.5	12.7
61	12.8	8.1	12.1#
70	7.4	6.2	9.4

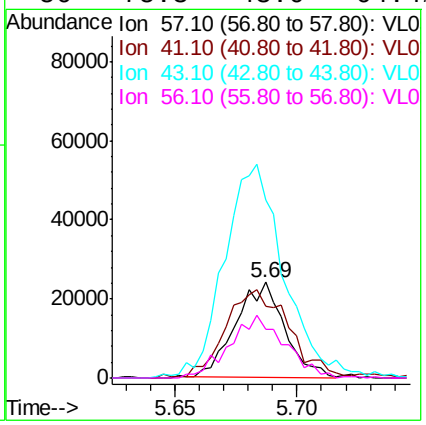


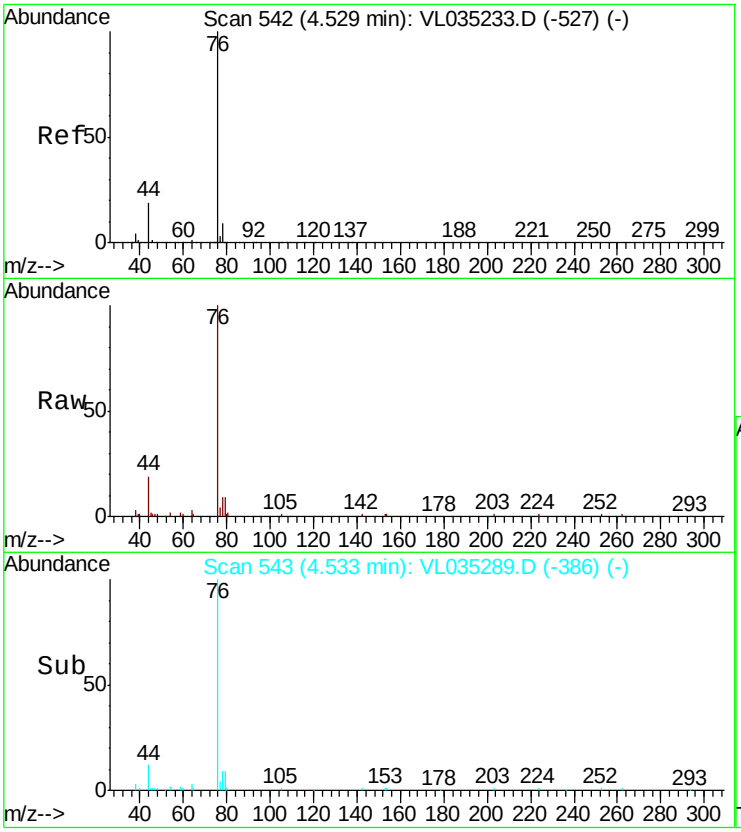


#26
Hexane
Concen: 0.328 ppbv
RT: 5.69 min Scan# 902
Delta R.T. 0.01 min
Lab File: VL035289.D
Acq: 30 Jul 2020 21:19

Tgt Ion: 57 Resp: 33198

Ion	Ratio	Lower	Upper
57	100		
41	124.8	73.9	110.9#
43	280.2	177.6	266.4#
56	75.3	43.0	64.4#



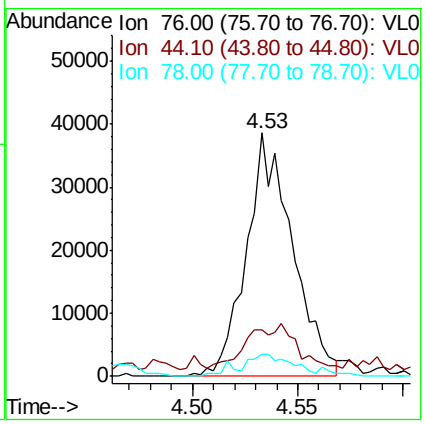


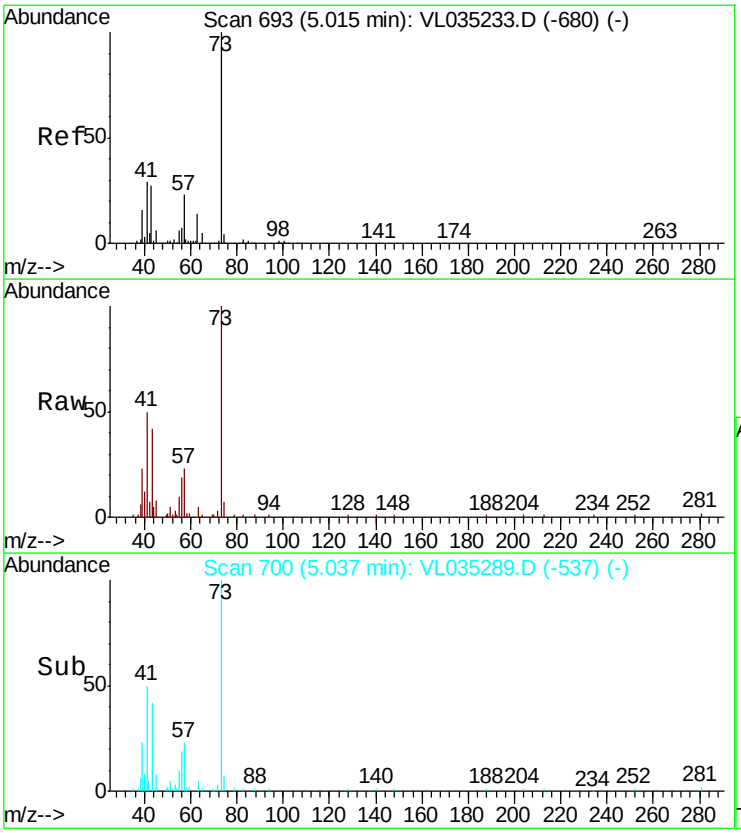
#27
Carbon Disulfide
Concen: 0.427 ppbv
RT: 4.53 min Scan# 543
Delta R.T. 0.00 min
Lab File: VL035289.D
Acq: 30 Jul 2020 21:19

Instrument :
MSVOA_L
ClientSampleId :
MDL-AIR-01-QT3-2020

Tgt Ion: 76 Resp: 58327

Ion	Ratio	Lower	Upper
76	100		
44	22.2	14.7	22.1#
78	11.5	7.6	11.4#

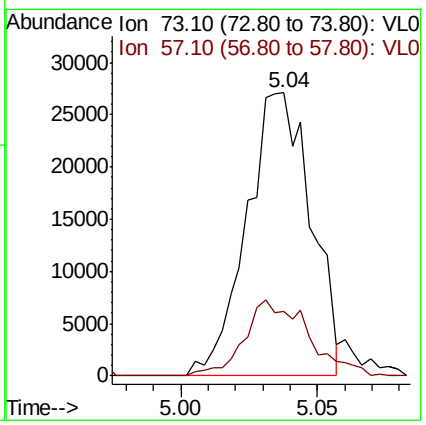


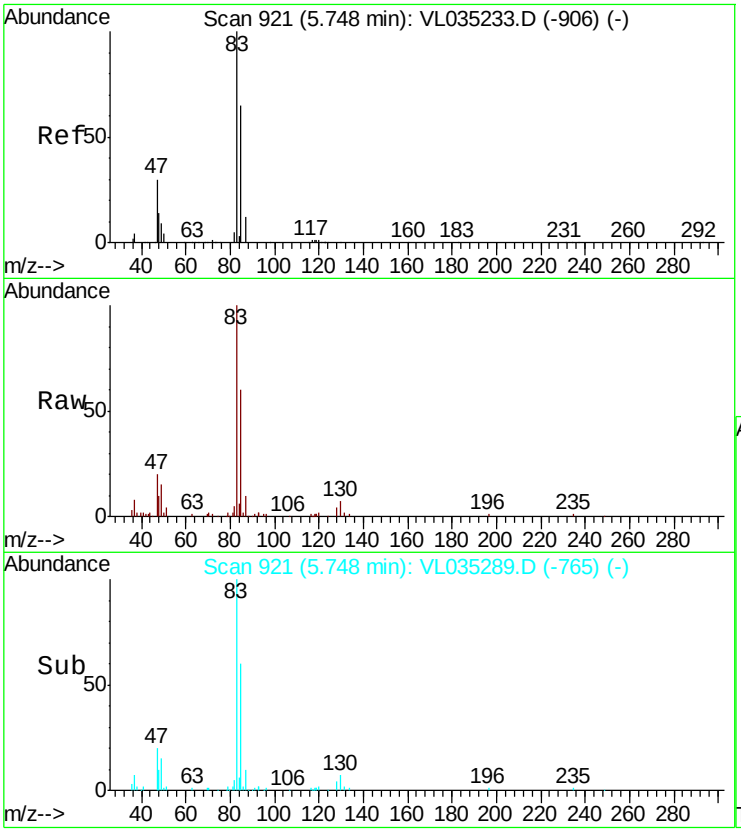


#28
Methyl tert-Butyl Ether
Concen: 0.307 ppbv
RT: 5.04 min Scan# 700
Delta R.T. 0.02 min
Lab File: VL035289.D
Acq: 30 Jul 2020 21:19

Tgt Ion: 73 Resp: 44336

Ion	Ratio	Lower	Upper
73	100		
57	26.7	18.2	27.4



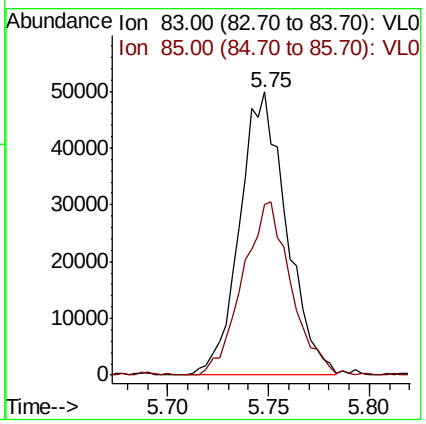


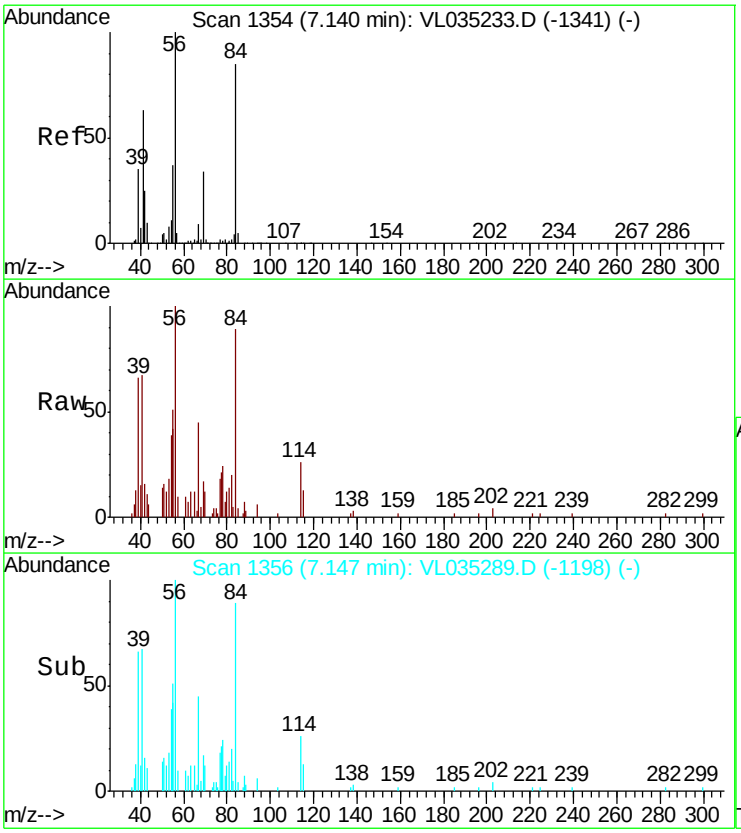
#29
Chloroform
Concen: 0.478 ppbv
RT: 5.75 min Scan# 921
Delta R.T. 0.00 min
Lab File: VL035289.D
Acq: 30 Jul 2020 21:19

Instrument :
MSVOA_L
ClientSampleId :
MDL-AIR-01-QT3-2020

Tgt Ion: 83 Resp: 80963

Ion	Ratio	Lower	Upper
83	100		
85	60.2	51.7	77.5

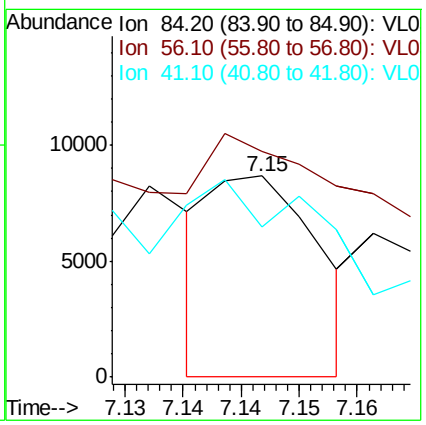


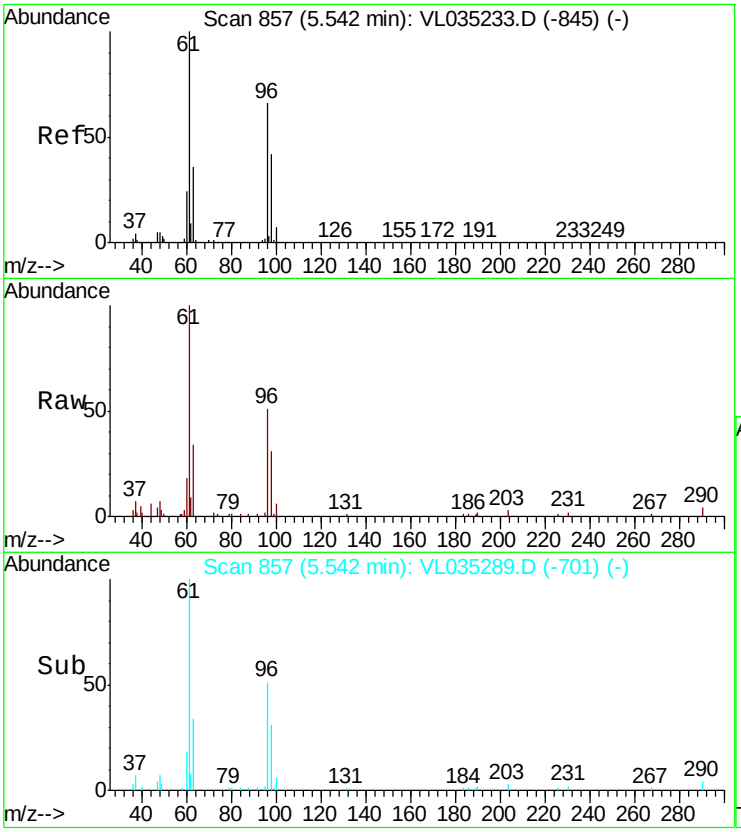


#30
Cyclohexane
Concen: 0.077 ppbv
RT: 7.15 min Scan# 1356
Delta R.T. 0.01 min
Lab File: VL035289.D
Acq: 30 Jul 2020 21:19

Tgt Ion: 84 Resp: 5529

Ion	Ratio	Lower	Upper
84	100		
56	0.0	104.2	156.2#
41	328.5	63.7	95.5#



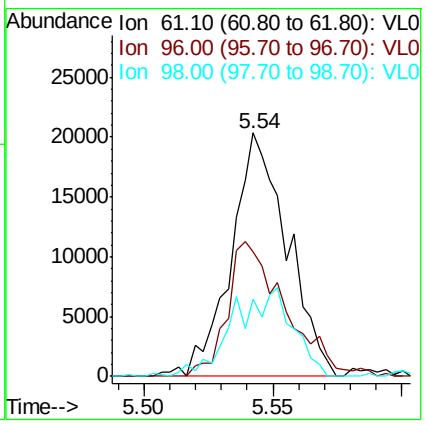


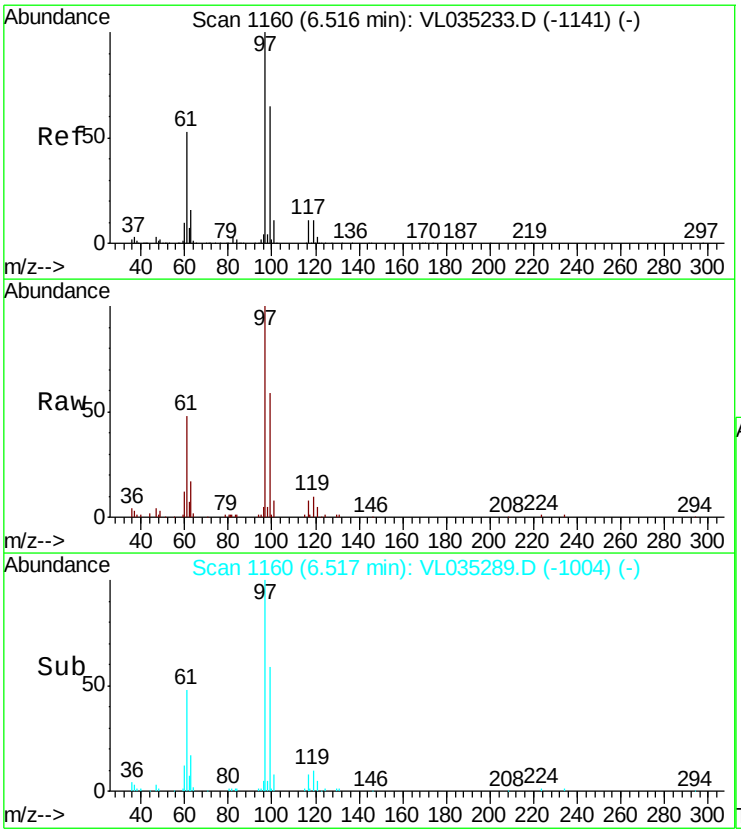
#31
cis-1,2-Dichloroethene
Concen: 0.348 ppbv
RT: 5.54 min Scan# 857
Delta R.T. 0.00 min
Lab File: VL035289.D
Acq: 30 Jul 2020 21:19

Instrument :
MSVOA_L
ClientSampleId :
MDL-AIR-01-QT3-2020

Tgt Ion: 61 Resp: 30671

Ion	Ratio	Lower	Upper
61	100		
96	51.0	52.6	78.8#
98	31.5	33.7	50.5#

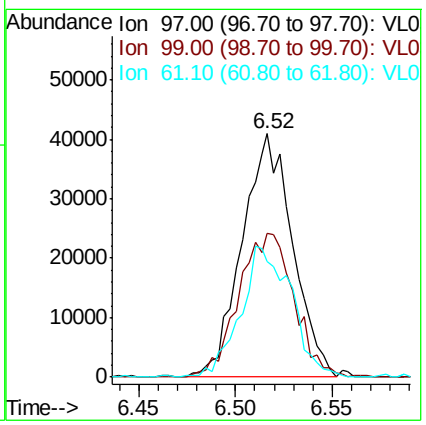


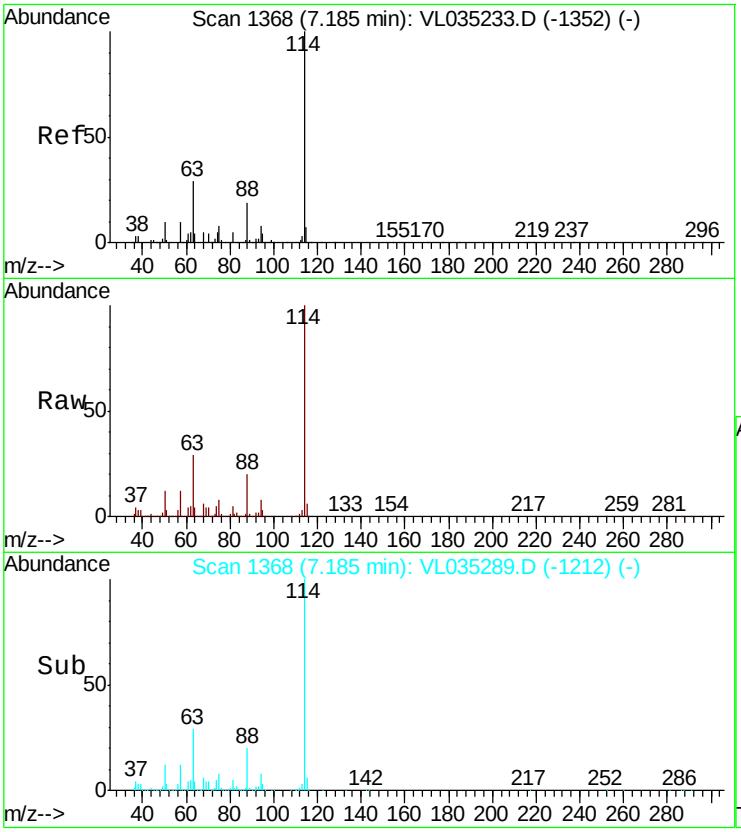


#32
1,1,1-Trichloroethane
Concen: 0.429 ppbv
RT: 6.52 min Scan# 1160
Delta R.T. 0.00 min
Lab File: VL035289.D
Acq: 30 Jul 2020 21:19

Tgt Ion: 97 Resp: 74462

Ion	Ratio	Lower	Upper
97	100		
99	64.8	51.4	77.0
61	54.0	40.4	60.6



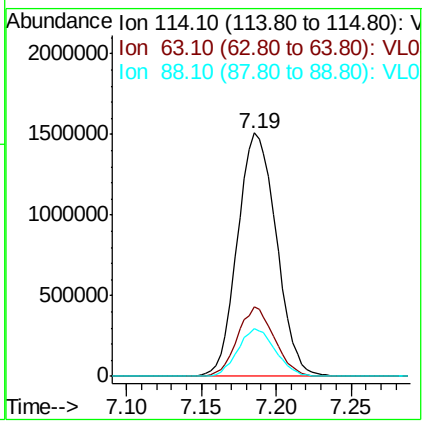


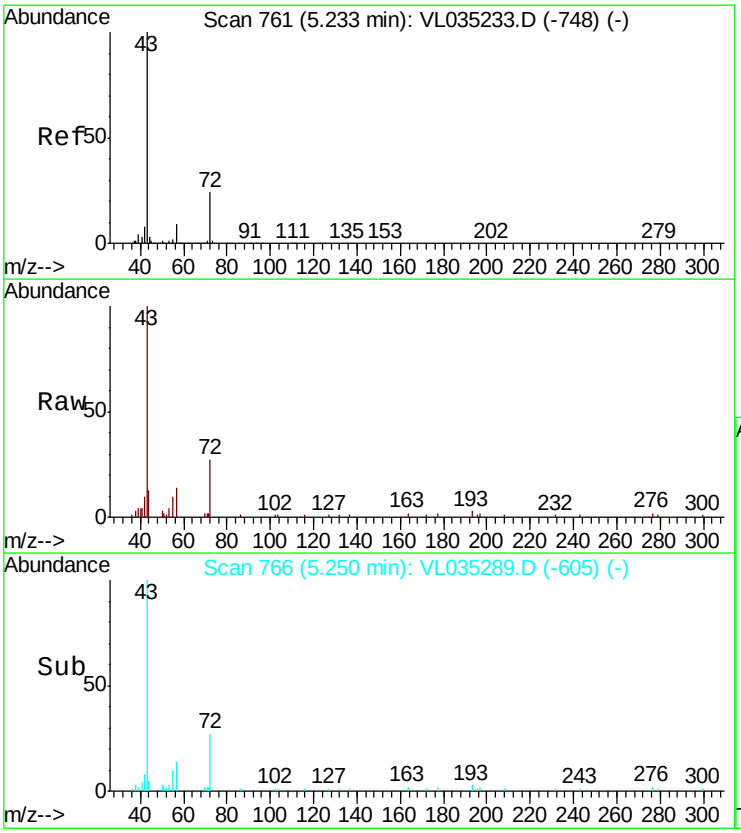
#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 7.19 min Scan# 1368
Delta R.T. 0.00 min
Lab File: VL035289.D
Acq: 30 Jul 2020 21:19

Instrument :
MSVOA_L
ClientSampleId :
MDL-AIR-01-QT3-2020

Tgt Ion:114 Resp: 2729933

Ion	Ratio	Lower	Upper
114	100		
63	27.4	22.2	33.2
88	19.0	15.4	23.0

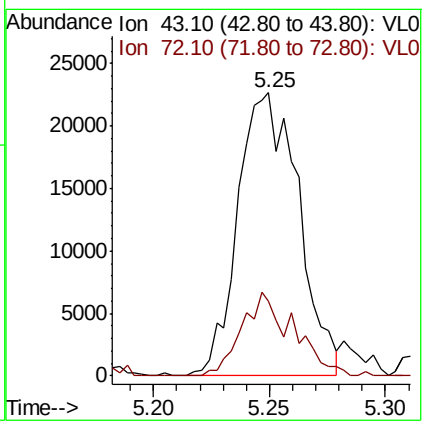


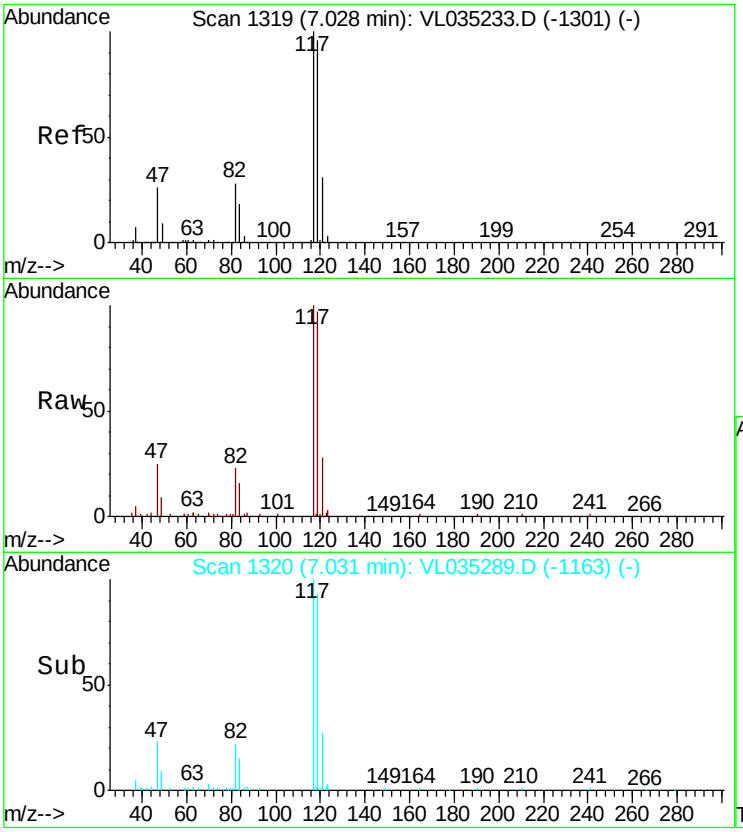


#34
2-Butanone
Concen: 0.297 ppbv
RT: 5.25 min Scan# 766
Delta R.T. 0.02 min
Lab File: VL035289.D
Acq: 30 Jul 2020 21:19

Tgt Ion: 43 Resp: 41190

Ion	Ratio	Lower	Upper
43	100		
72	25.4	19.2	28.8



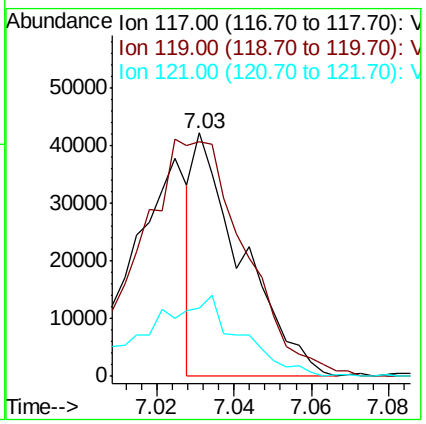


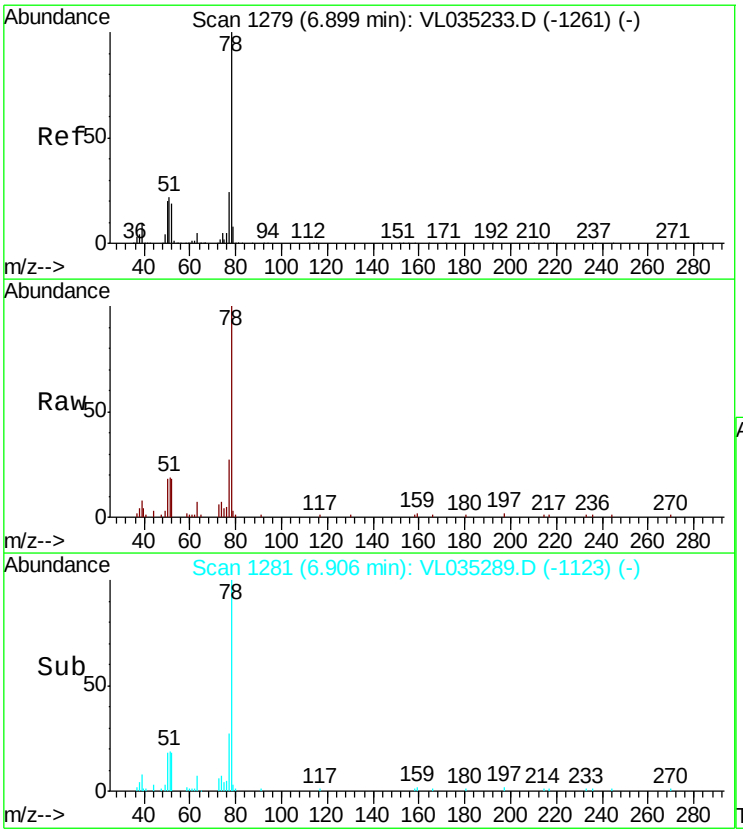
#35
Carbon Tetrachloride
Concen: 0.198 ppbv
RT: 7.03 min Scan# 1320
Delta R.T. 0.00 min
Lab File: VL035289.D
Acq: 30 Jul 2020 21:19

Instrument :
MSVOA_L
ClientSampleId :
MDL-AIR-01-QT3-2020

Tgt Ion:117 Resp: 36258

Ion	Ratio	Lower	Upper
117	100		
119	94.9	76.8	115.2
121	27.2	24.5	36.7

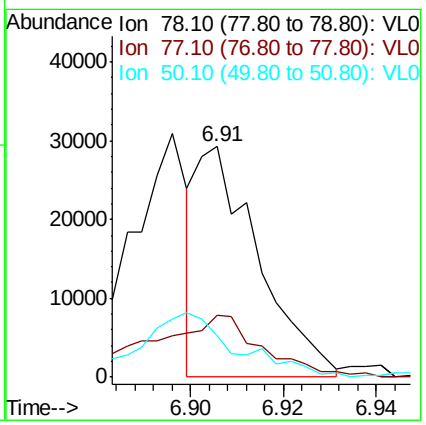


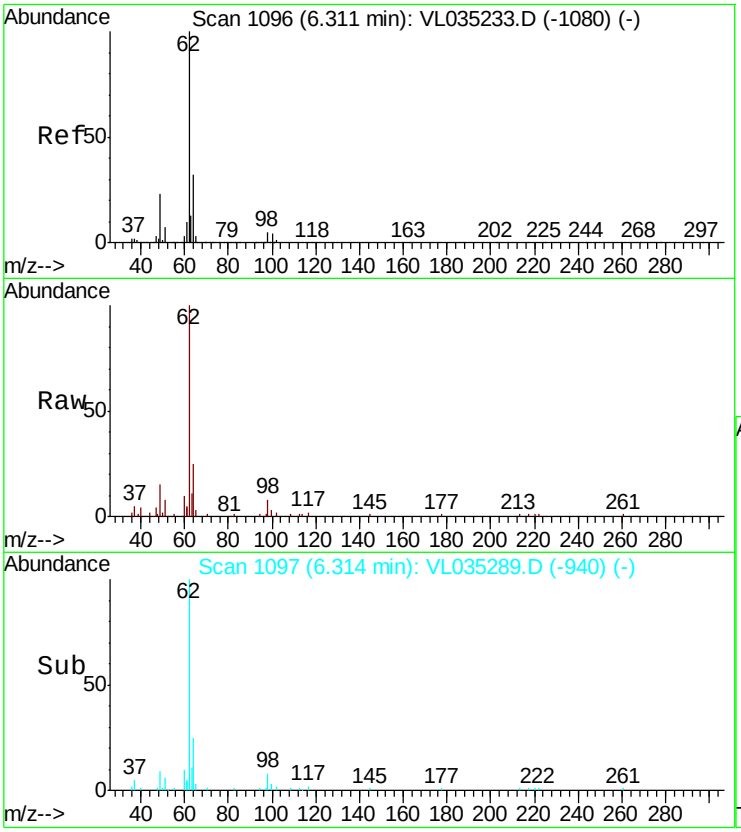


#36
Benzene
Concen: 0.141 ppbv
RT: 6.91 min Scan# 1281
Delta R.T. 0.01 min
Lab File: VL035289.D
Acq: 30 Jul 2020 21:19

Tgt Ion: 78 Resp: 26810

Ion	Ratio	Lower	Upper
78	100		
77	25.6	18.9	28.3
50	16.5	16.1	24.1



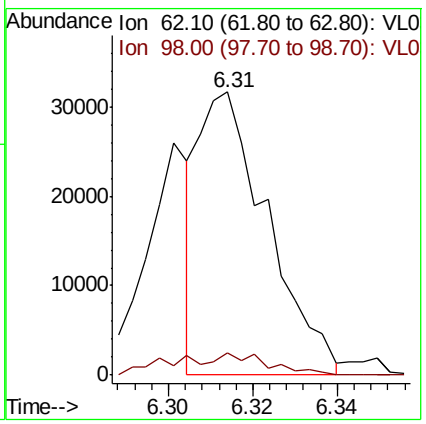


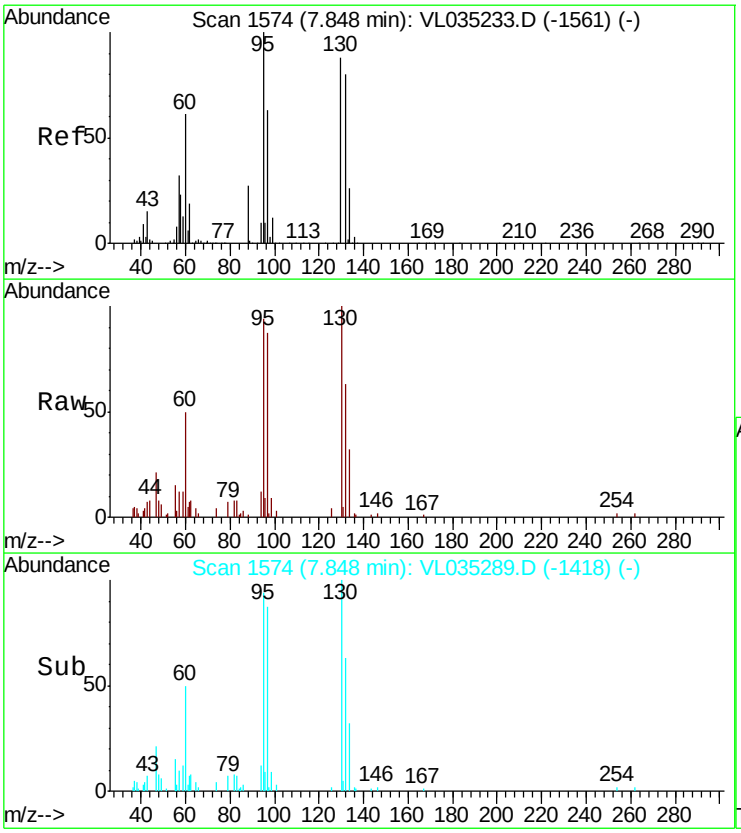
#37
1,2-Dichloroethane
Concen: 0.268 ppbv
RT: 6.31 min Scan# 1097
Delta R.T. 0.00 min
Lab File: VL035289.D
Acq: 30 Jul 2020 21:19

Instrument : MSVOA_L
ClientSampleId : MDL-AIR-01-QT3-2020

Tgt Ion: 62 Resp: 35582

Ion	Ratio	Lower	Upper
62	100		
98	10.7	4.5	6.7#

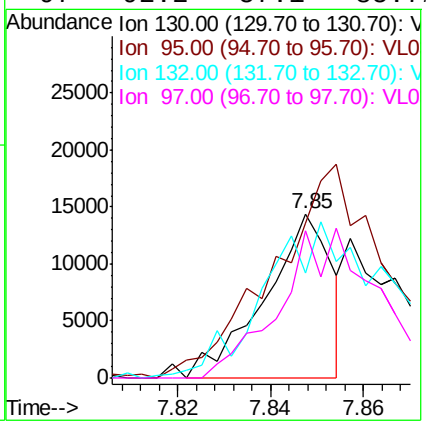


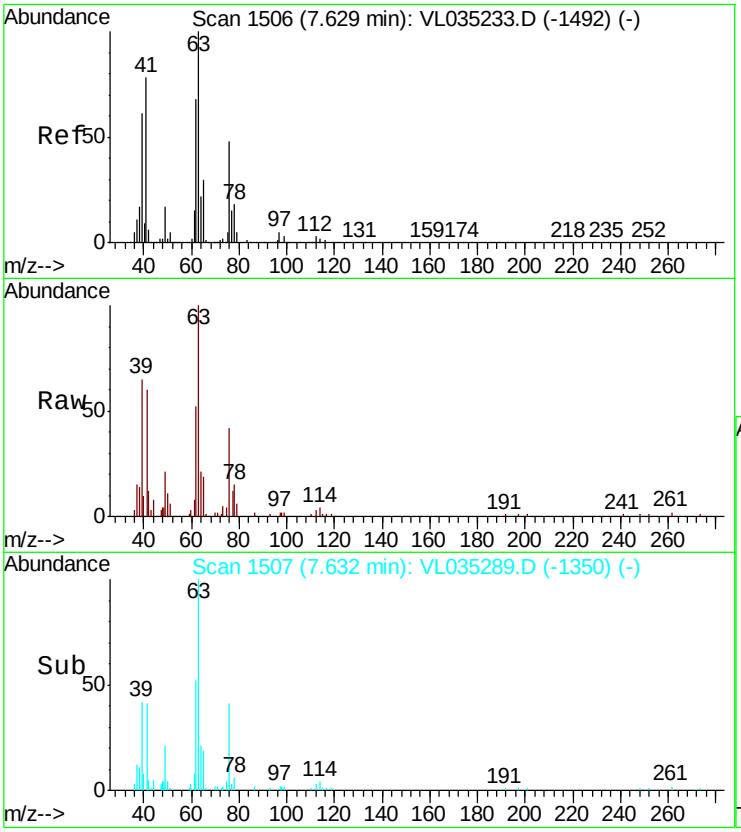


#38
Trichloroethene
Concen: 0.182 ppbv
RT: 7.85 min Scan# 1574
Delta R.T. 0.00 min
Lab File: VL035289.D
Acq: 30 Jul 2020 21:19

Tgt Ion:130 Resp: 14301

Ion	Ratio	Lower	Upper
130	100		
95	85.5	90.7	136.1#
132	60.9	72.9	109.3#
97	92.2	57.1	85.7#



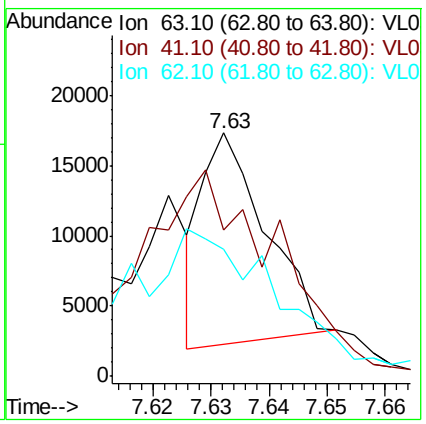


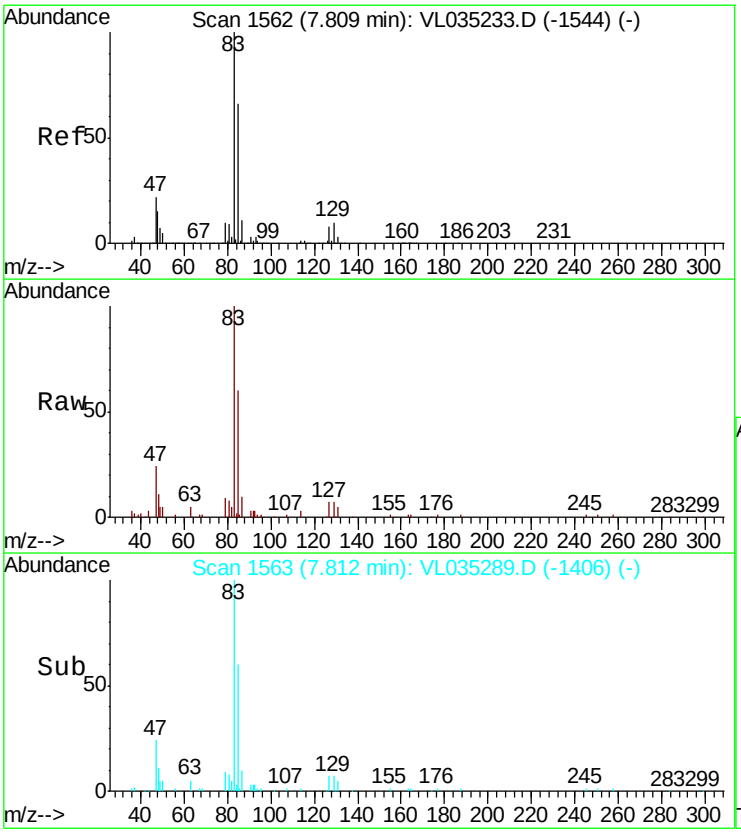
#39
1,2-Dichloropropane
Concen: 0.150 ppbv
RT: 7.63 min Scan# 1507
Delta R.T. 0.00 min
Lab File: VL035289.D
Acq: 30 Jul 2020 21:19

Instrument :
MSVOA_L
ClientSampleId :
MDL-AIR-01-QT3-2020

Tgt Ion: 63 Resp: 11335

Ion	Ratio	Lower	Upper
63	100		
41	51.6	62.2	93.4#
62	45.6	54.2	81.2#

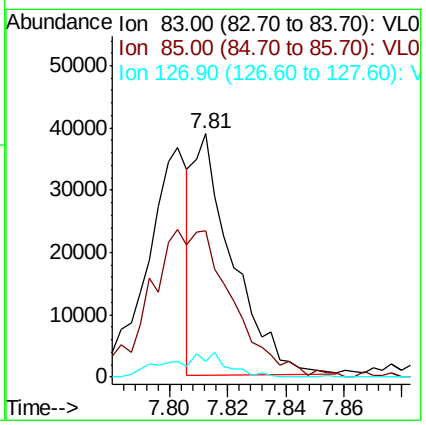


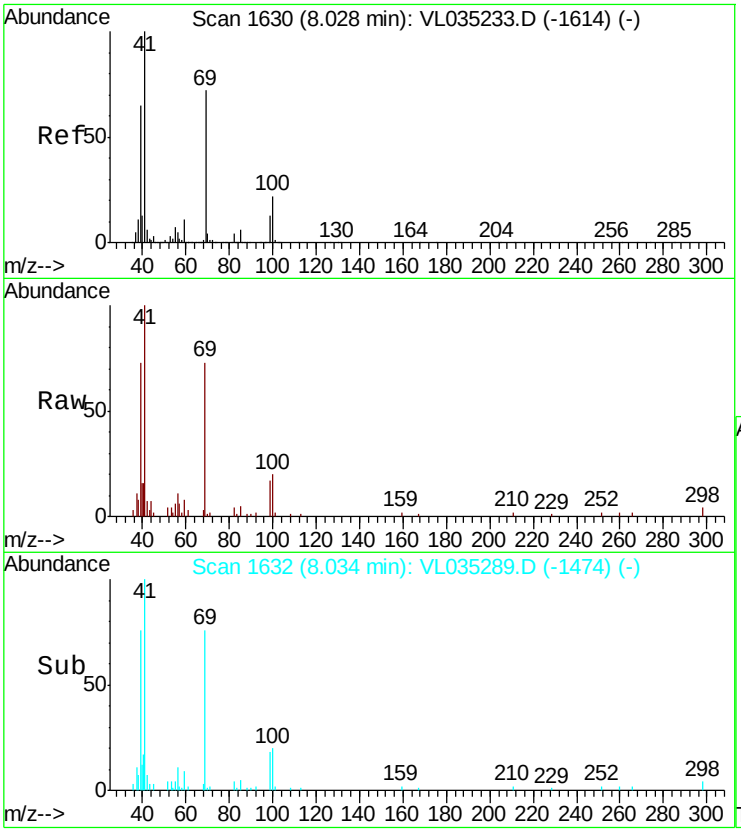


#42
Bromodichloromethane
Concen: 0.206 ppbv
RT: 7.81 min Scan# 1563
Delta R.T. 0.00 min
Lab File: VL035289.D
Acq: 30 Jul 2020 21:19

Tgt Ion: 83 Resp: 36490

Ion	Ratio	Lower	Upper
83	100		
85	60.1	52.9	79.3
127	6.6	6.5	9.7



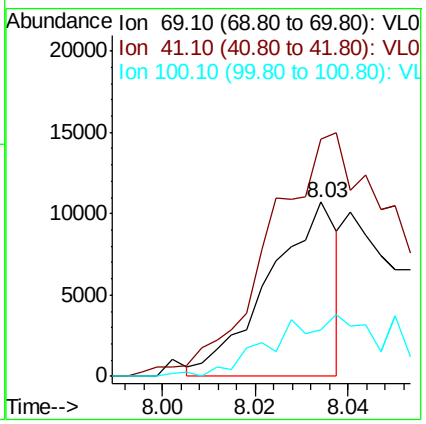


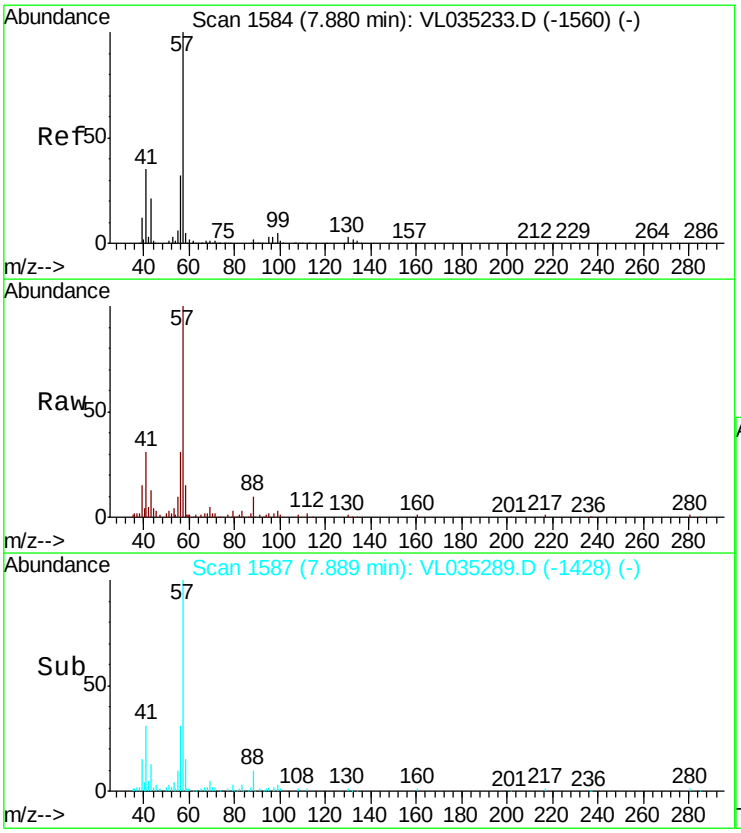
#43
Methyl Methacrylate
Concen: 0.133 ppbv
RT: 8.03 min Scan# 1632
Delta R.T. 0.01 min
Lab File: VL035289.D
Acq: 30 Jul 2020 21:19

Instrument :
MSVOA_L
ClientSampleId :
MDL-AIR-01-QT3-2020

Tgt Ion: 69 Resp: 10916

Ion	Ratio	Lower	Upper
69	100		
41	0.0	113.0	169.4#
100	0.0	25.3	37.9#

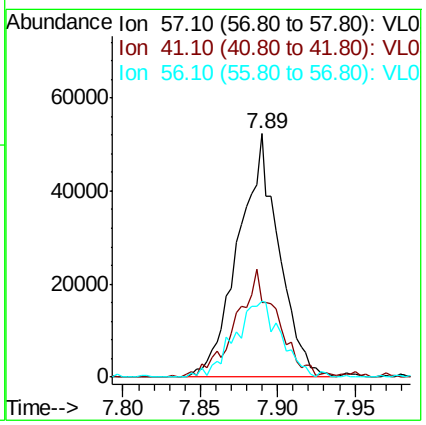


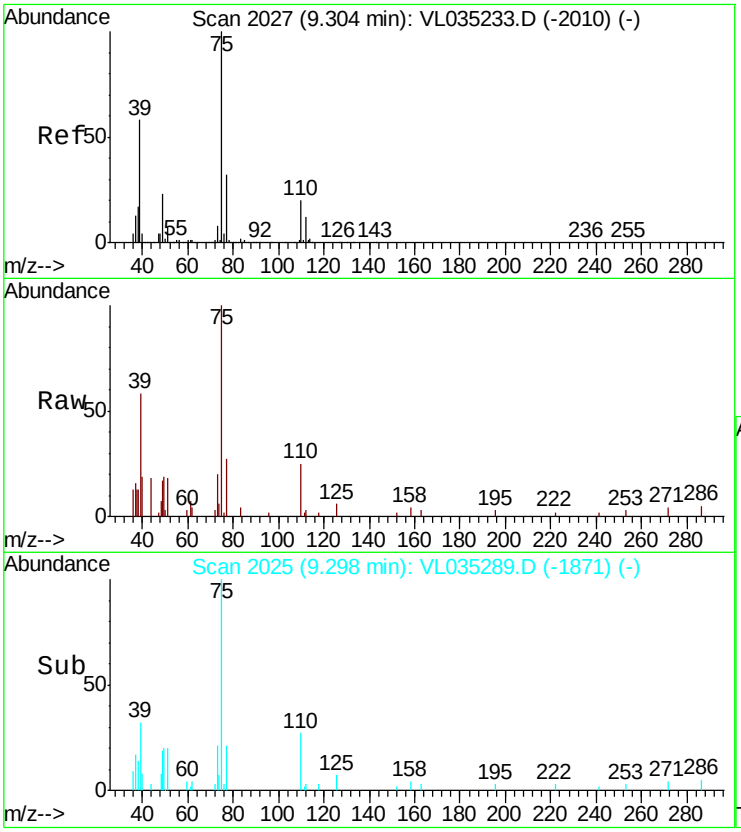


#44
2,2,4-Trimethylpentane
Concen: 0.285 ppbv
RT: 7.89 min Scan# 1587
Delta R.T. 0.01 min
Lab File: VL035289.D
Acq: 30 Jul 2020 21:19

Tgt Ion: 57 Resp: 95132

Ion	Ratio	Lower	Upper
57	100		
41	45.2	27.0	40.4#
56	35.8	25.6	38.4



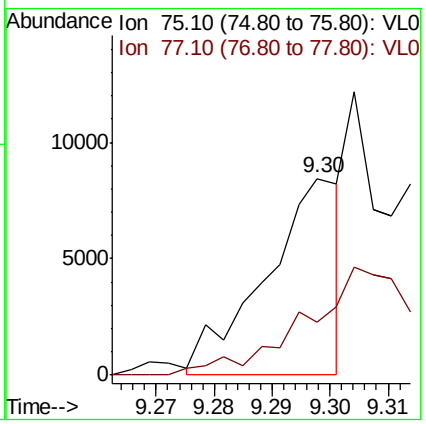


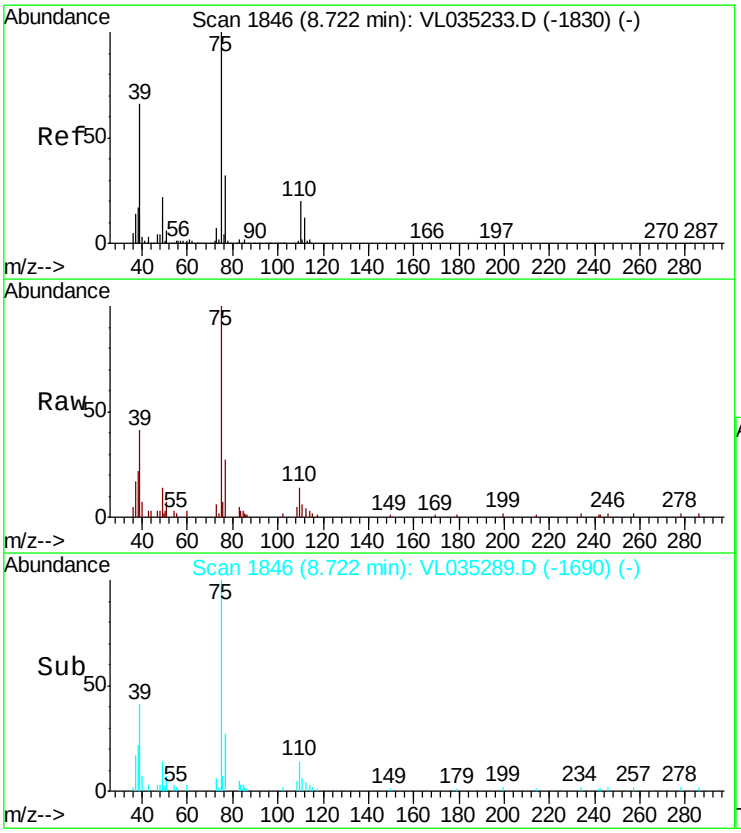
#45
t-1,3-Dichloropropene
Concen: 0.092 ppbv
RT: 9.30 min Scan# 2025
Delta R.T. -0.01 min
Lab File: VL035289.D
Acq: 30 Jul 2020 21:19

Instrument :
MSVOA_L
ClientSampleId :
MDL-AIR-01-QT3-2020

Tgt Ion: 75 Resp: 7627

Ion	Ratio	Lower	Upper
75	100		
77	26.6	25.6	38.4

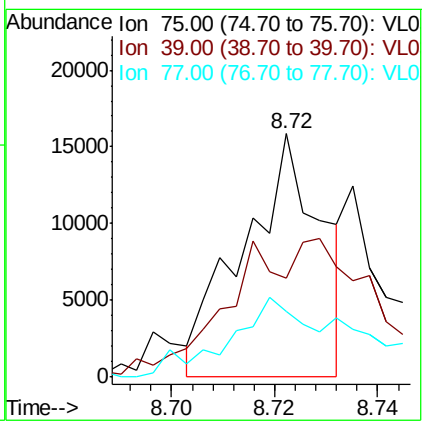


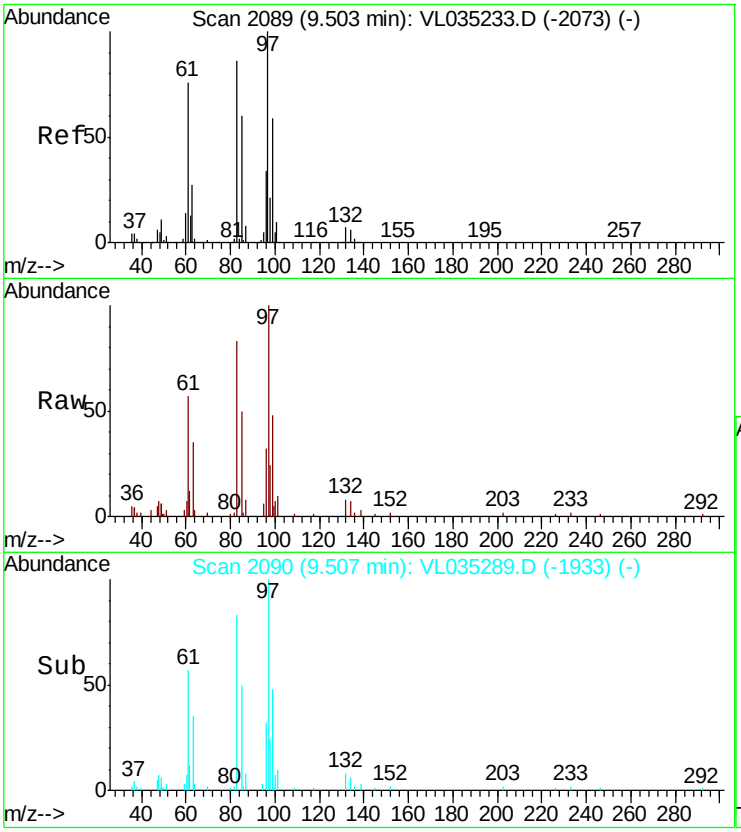


#46
cis-1,3-Dichloropropene
Concen: 0.164 ppbv
RT: 8.72 min Scan# 1846
Delta R.T. 0.00 min
Lab File: VL035289.D
Acq: 30 Jul 2020 21:19

Tgt Ion: 75 Resp: 16550

Ion	Ratio	Lower	Upper
75	100		
39	33.2	53.0	79.4#
77	24.3	25.8	38.8#



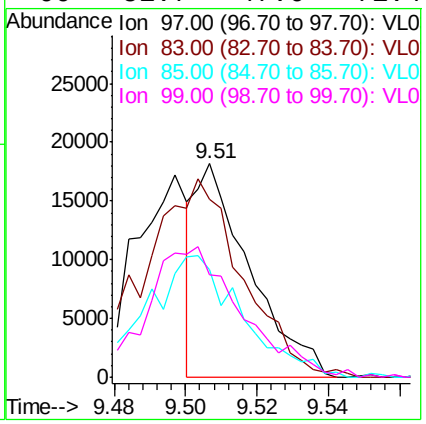


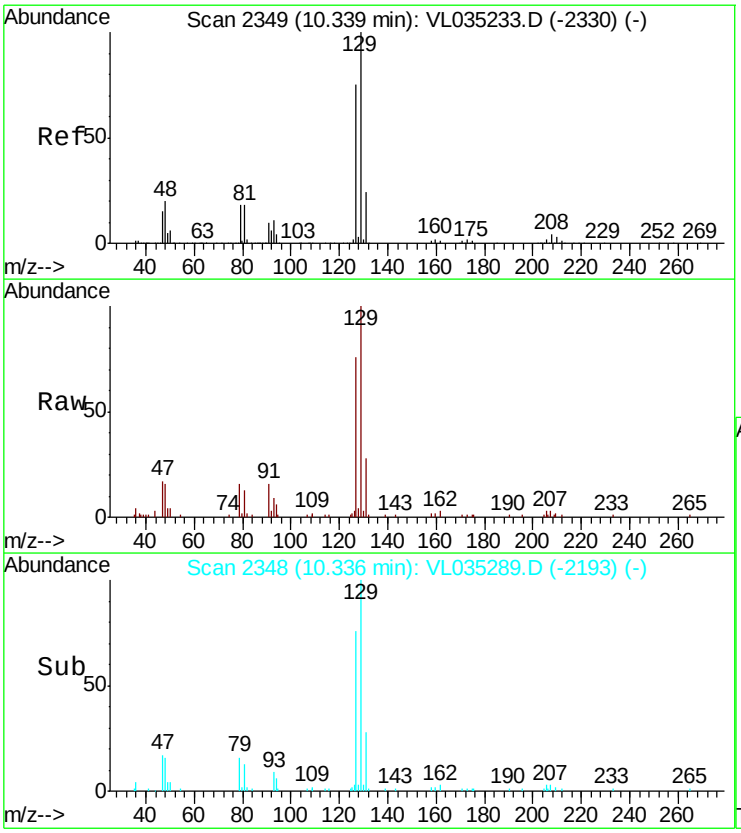
#47
1,1,2-Trichloroethane
Concen: 0.215 ppbv
RT: 9.51 min Scan# 2090
Delta R.T. 0.00 min
Lab File: VL035289.D
Acq: 30 Jul 2020 21:19

Instrument :
MSVOA_L
ClientSampleId :
MDL-AIR-01-QT3-2020

Tgt Ion: 97 Resp: 19198

Ion	Ratio	Lower	Upper
97	100		
83	79.4	69.0	103.4
85	47.9	47.8	71.8
99	51.7	47.6	71.4

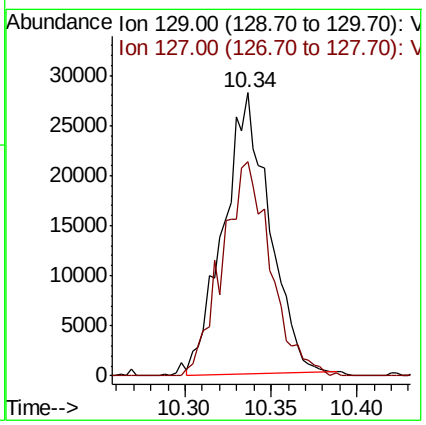


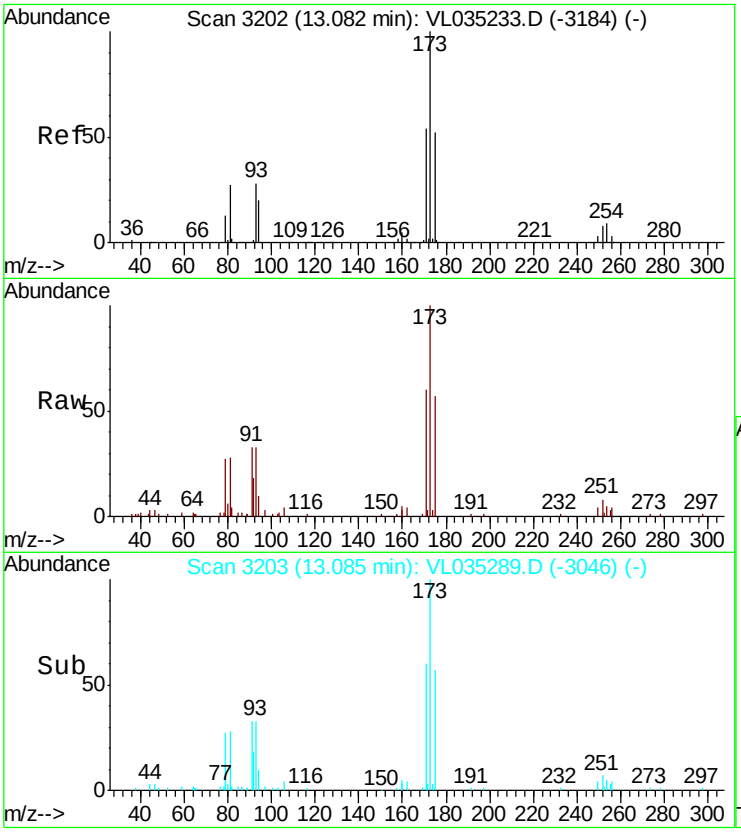


#48
Dibromochloromethane
Concen: 0.371 ppbv
RT: 10.34 min Scan# 2348
Delta R.T. -0.00 min
Lab File: VL035289.D
Acq: 30 Jul 2020 21:19

Tgt Ion:129 Resp: 52267

Ion	Ratio	Lower	Upper
129	100		
127	80.2	39.6	119.0



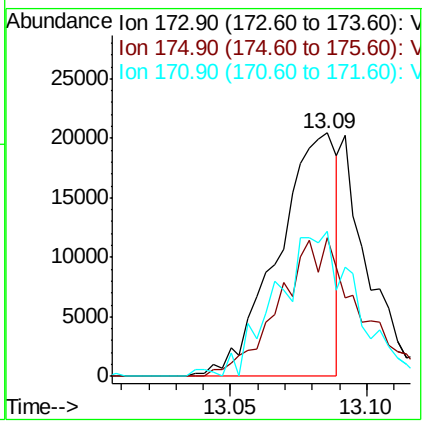


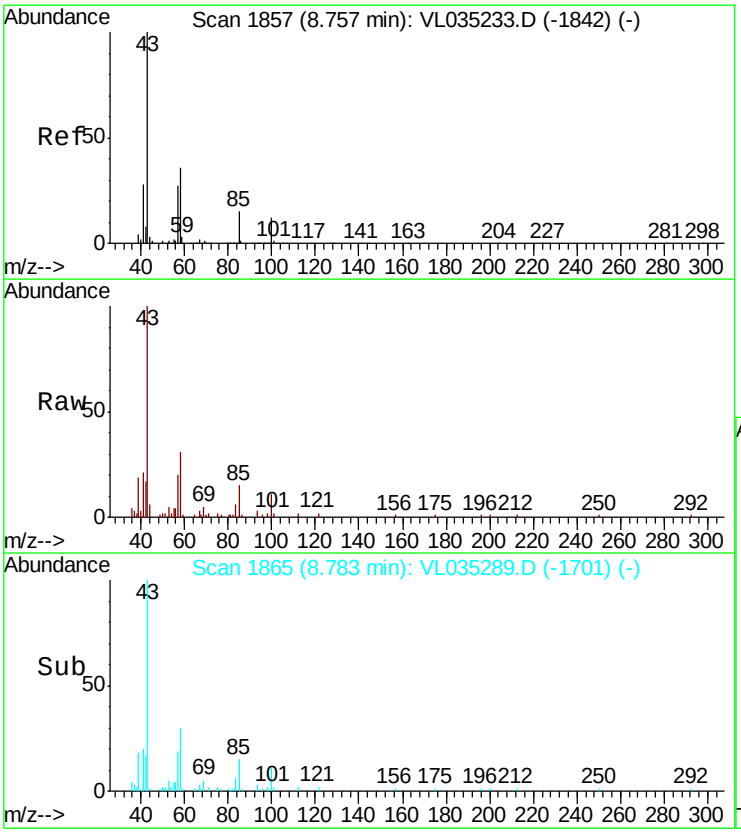
#49
Bromoform
Concen: 0.241 ppbv
RT: 13.09 min Scan# 3203
Delta R.T. 0.00 min
Lab File: VL035289.D
Acq: 30 Jul 2020 21:19

Instrument :
MSVOA_L
ClientSampleId :
MDL-AIR-01-QT3-2020

Tgt Ion:173 Resp: 30508

Ion	Ratio	Lower	Upper
173	100		
175	76.3	40.0	60.0#
171	80.8	41.8	62.8#

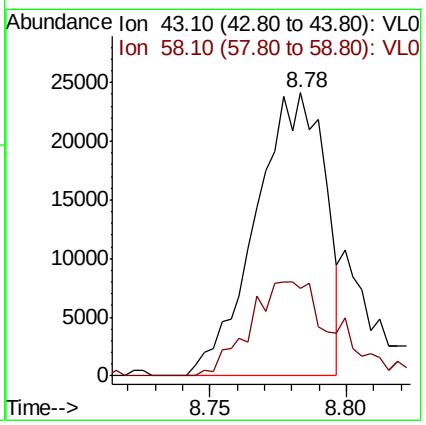


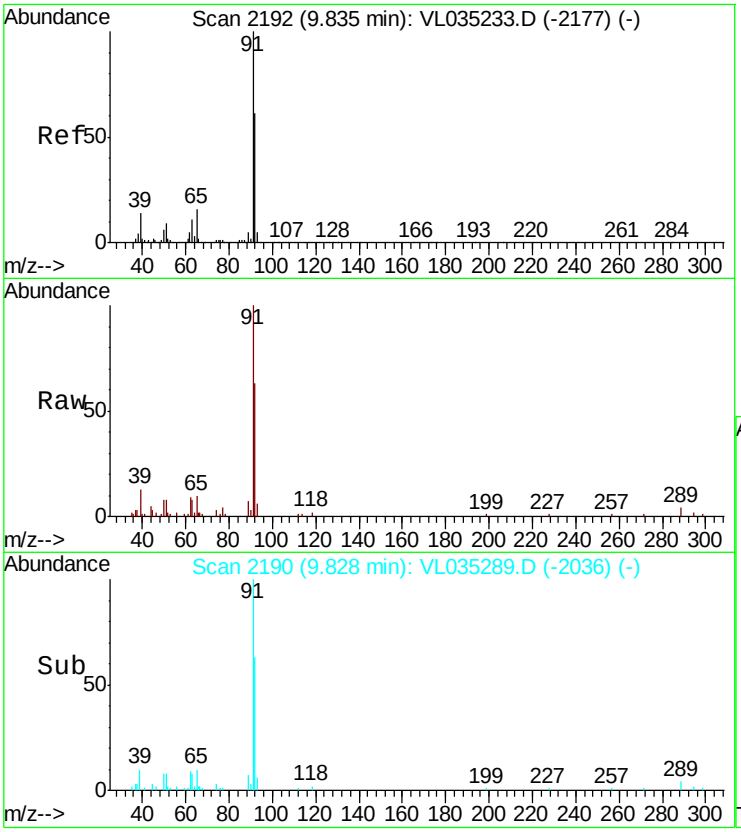


#50
4-Methyl-2-Pentanone
Concen: 0.211 ppbv
RT: 8.78 min Scan# 1865
Delta R.T. 0.03 min
Lab File: VL035289.D
Acq: 30 Jul 2020 21:19

Tgt Ion: 43 Resp: 42529

Ion	Ratio	Lower	Upper
43	100		
58	41.6	30.0	45.0



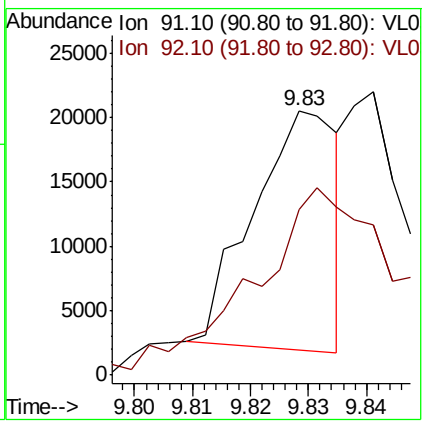


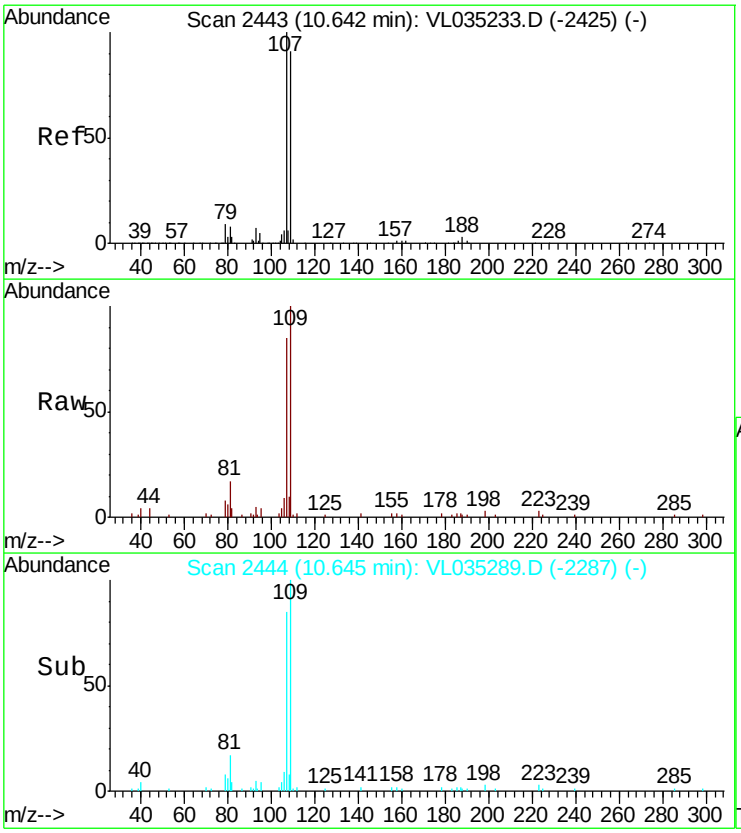
#53
Toluene
Concen: 0.093 ppbv
RT: 9.83 min Scan# 2190
Delta R.T. -0.01 min
Lab File: VL035289.D
Acq: 30 Jul 2020 21:19

Instrument :
MSVOA_L
ClientSampleId :
MDL-AIR-01-QT3-2020

Tgt Ion: 91 Resp: 18707

Ion	Ratio	Lower	Upper
91	100		
92	147.0	48.5	72.7#

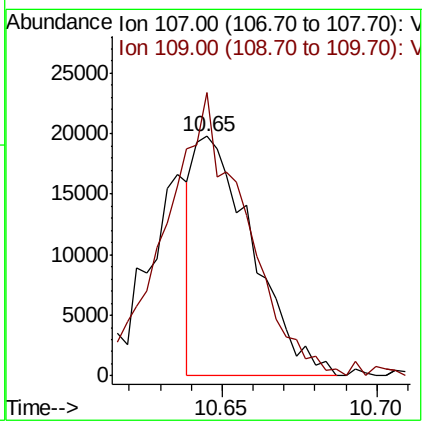


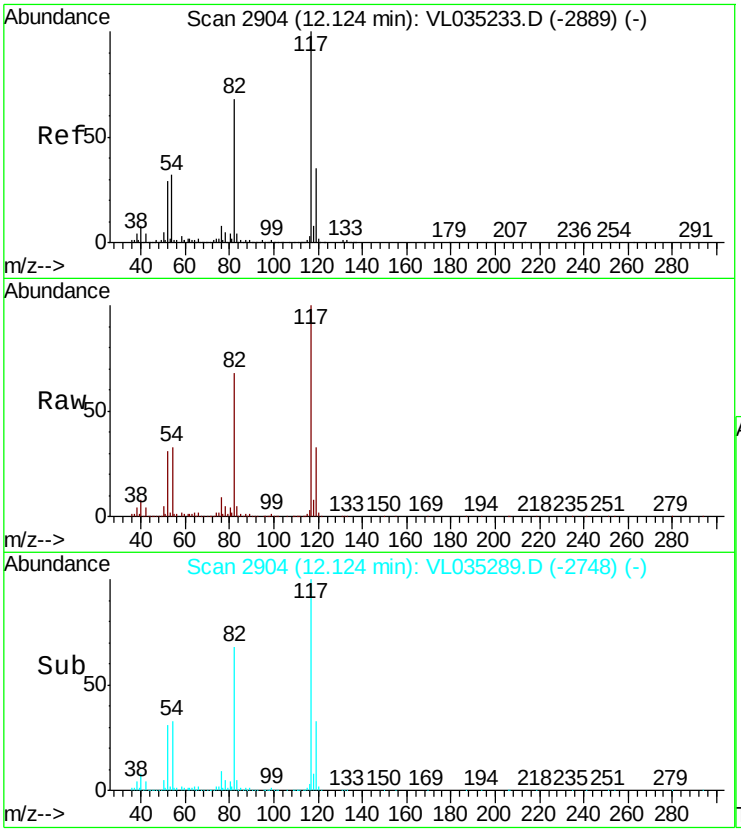


#54
1,2-Dibromoethane
Concen: 0.201 ppbv
RT: 10.65 min Scan# 2444
Delta R.T. 0.00 min
Lab File: VL035289.D
Acq: 30 Jul 2020 21:19

Tgt Ion:107 Resp: 26035

Ion	Ratio	Lower	Upper
107	100		
109	115.3	73.0	109.6#



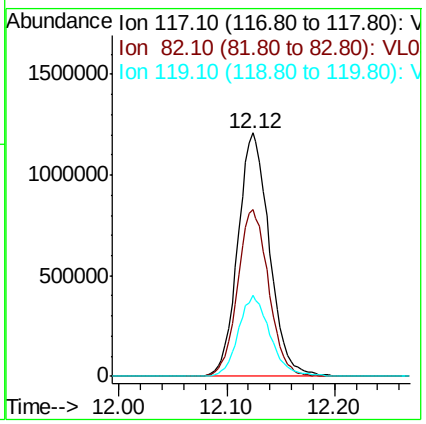


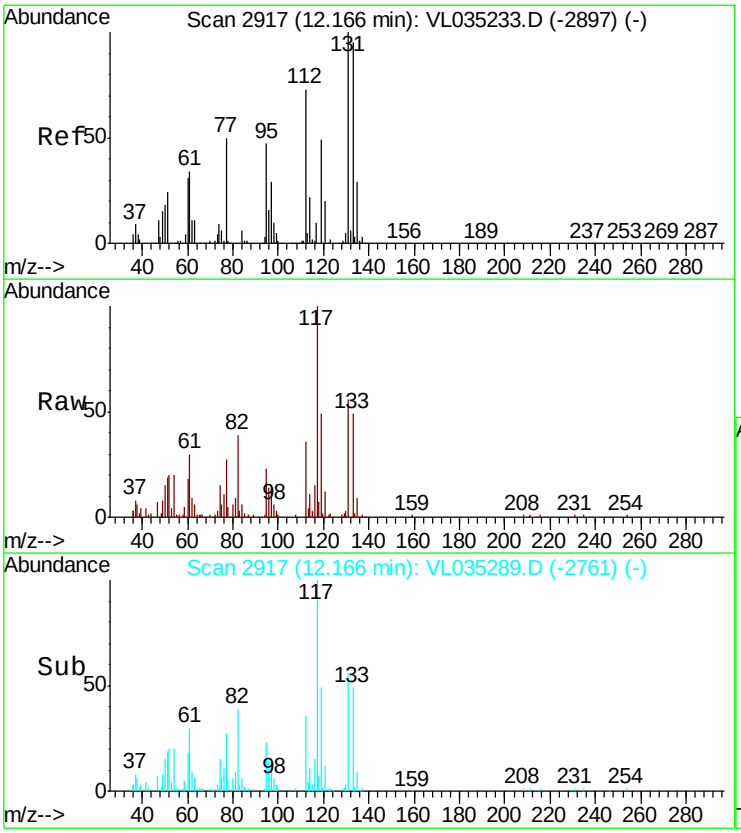
#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 12.12 min Scan# 2904
Delta R.T. 0.00 min
Lab File: VL035289.D
Acq: 30 Jul 2020 21:19

Instrument :
MSVOA_L
ClientSampleId :
MDL-AIR-01-QT3-2020

Tgt Ion:117 Resp: 2458397

Ion	Ratio	Lower	Upper
117	100		
82	67.9	52.4	78.6
119	33.5	24.6	36.8

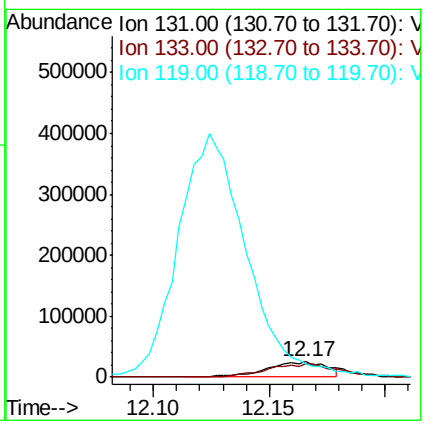


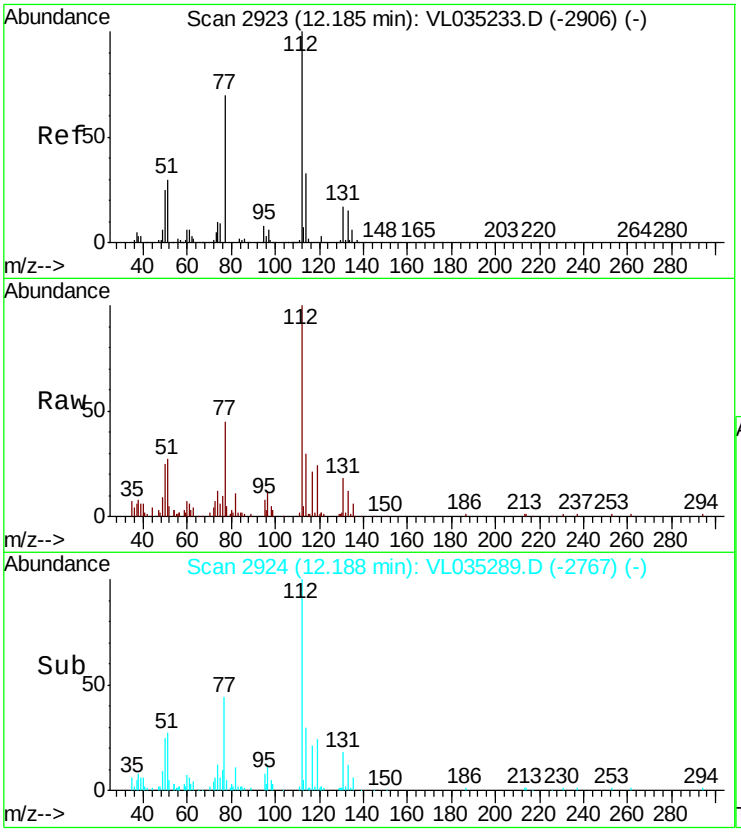


#56
1,1,1,2-Tetrachloroethane
Concen: 0.398 ppbv
RT: 12.17 min Scan# 2917
Delta R.T. 0.00 min
Lab File: VL035289.D
Acq: 30 Jul 2020 21:19

Tgt Ion:131 Resp: 44995

Ion	Ratio	Lower	Upper
131	100		
133	108.7	76.1	114.1
119	1831.7	44.3	66.5#



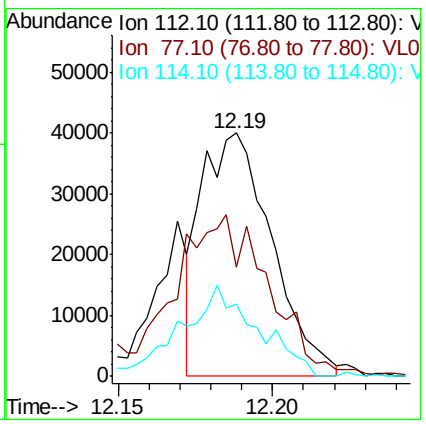


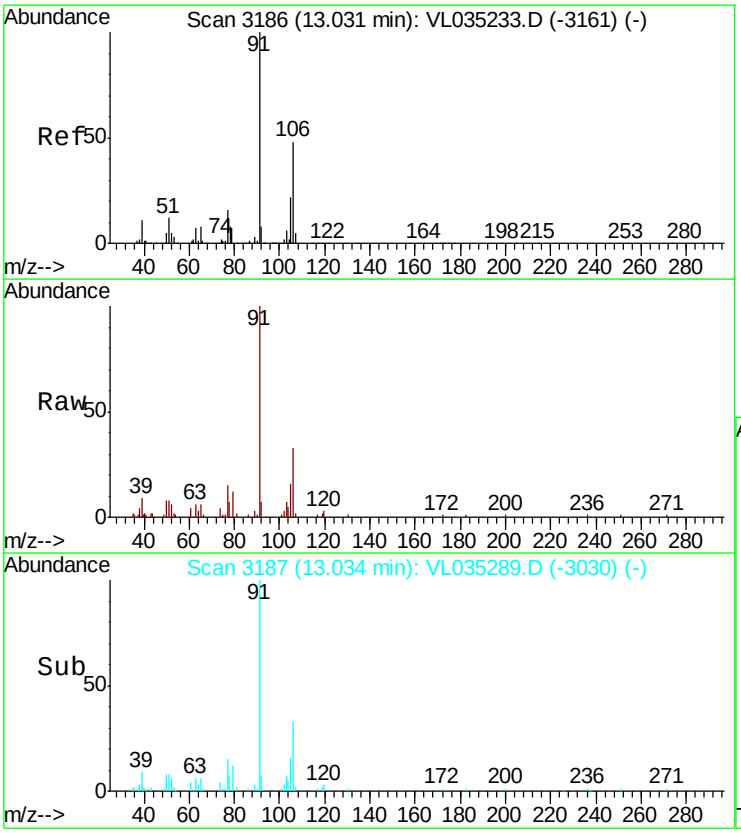
#57
Chlorobenzene
Concen: 0.342 ppbv
RT: 12.19 min Scan# 2924
Delta R.T. 0.00 min
Lab File: VL035289.D
Acq: 30 Jul 2020 21:19

Instrument : MSVOA_L
ClientSampleId : MDL-AIR-01-QT3-2020

Tgt Ion:112 Resp: 63232

Ion	Ratio	Lower	Upper
112	100		
77	43.1	57.3	85.9#
114	32.0	29.3	35.8

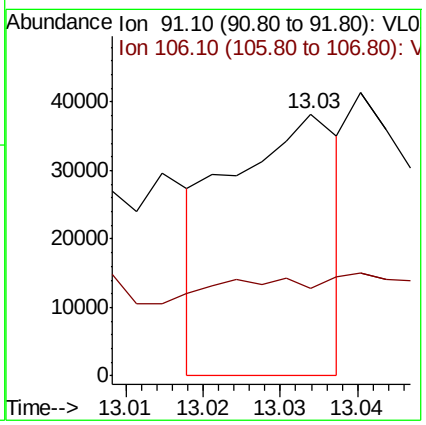


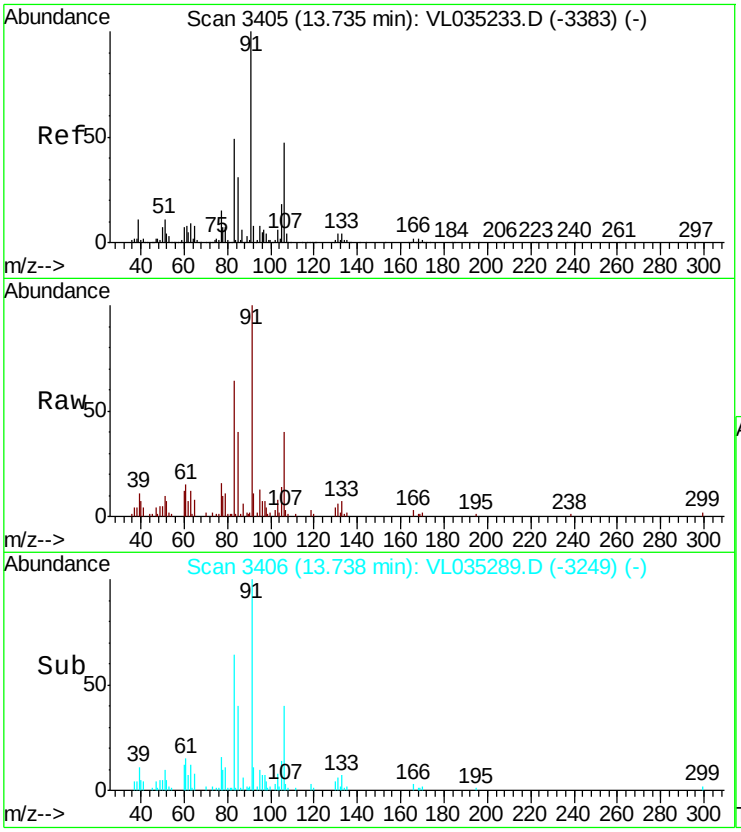


#59
m/p-Xylene
Concen: 0.157 ppbv
RT: 13.03 min Scan# 3187
Delta R.T. 0.00 min
Lab File: VL035289.D
Acq: 30 Jul 2020 21:19

Tgt Ion: 91 Resp: 38023

Ion	Ratio	Lower	Upper
91	100		
106	0.0	37.2	55.8#



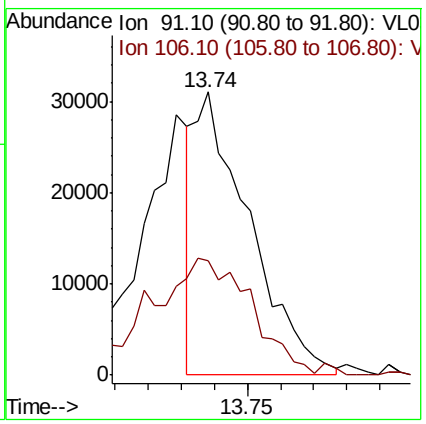


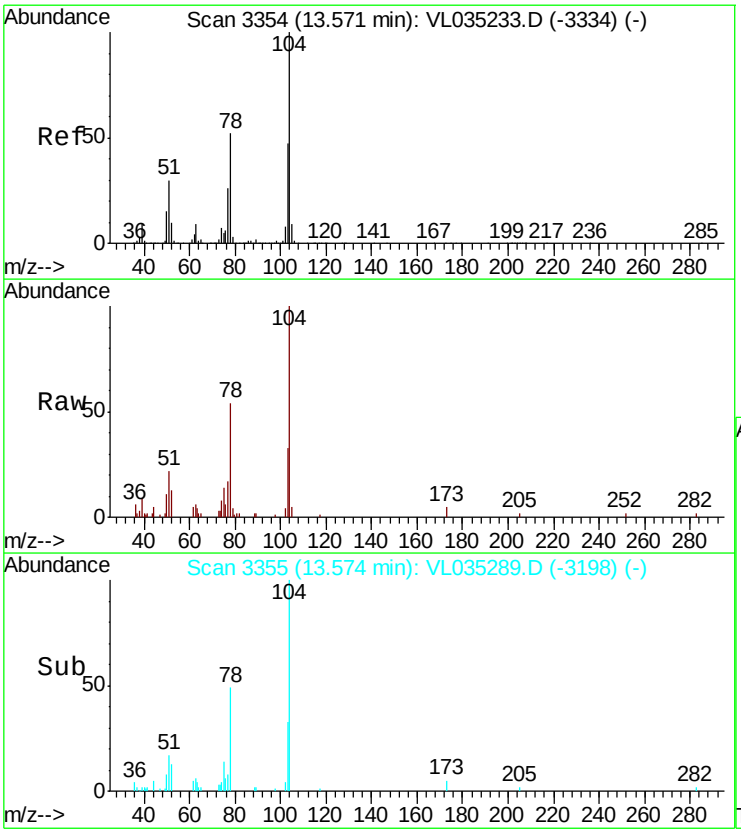
#60
o-Xylene
Concen: 0.146 ppbv
RT: 13.74 min Scan# 3406
Delta R.T. 0.00 min
Lab File: VL035289.D
Acq: 30 Jul 2020 21:19

Instrument :
MSVOA_L
ClientSampleId :
MDL-AIR-01-QT3-2020

Tgt Ion: 91 Resp: 35314

Ion	Ratio	Lower	Upper
91	100		
106	81.4	22.4	67.0#

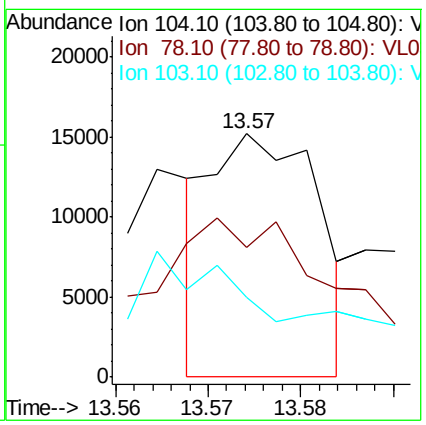


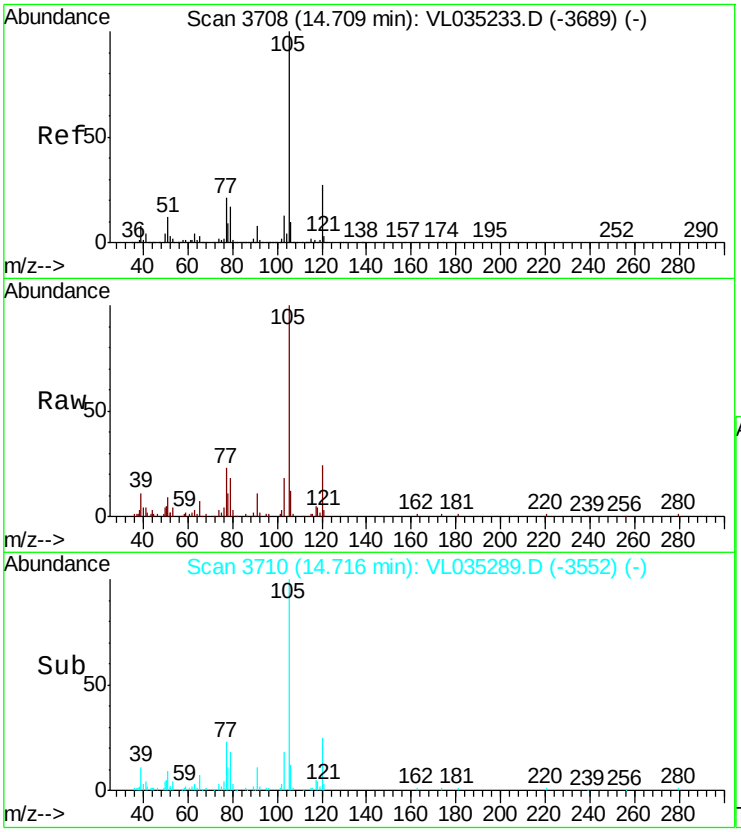


#61
Styrene
Concen: 0.083 ppbv
RT: 13.57 min Scan# 3355
Delta R.T. 0.00 min
Lab File: VL035289.D
Acq: 30 Jul 2020 21:19

Tgt Ion:104 Resp: 12122

Ion	Ratio	Lower	Upper
104	100		
78	159.6	43.3	64.9#
103	0.0	38.2	57.2#



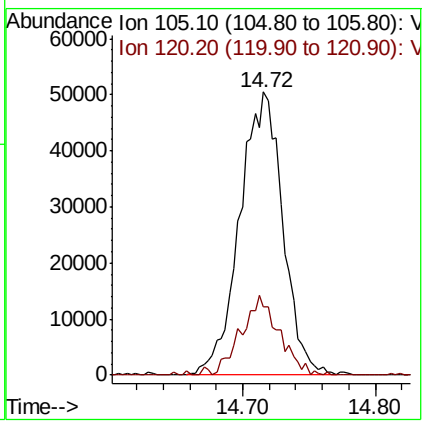


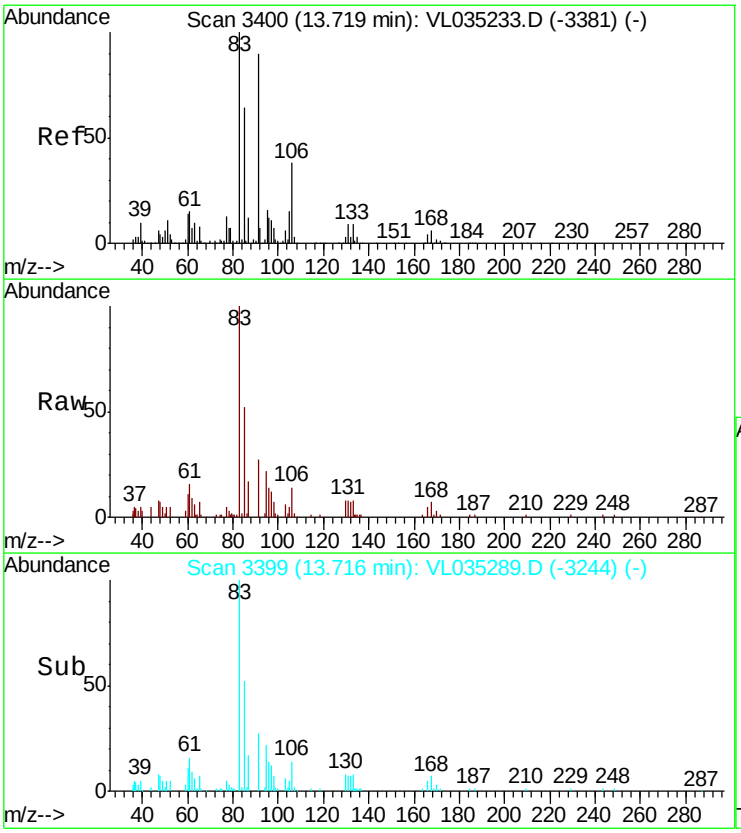
#62
Isopropylbenzene
Concen: 0.313 ppbv
RT: 14.72 min Scan# 3710
Delta R.T. 0.01 min
Lab File: VL035289.D
Acq: 30 Jul 2020 21:19

Instrument :
MSVOA_L
ClientSampleId :
MDL-AIR-01-QT3-2020

Tgt Ion:105 Resp: 112546

Ion	Ratio	Lower	Upper
105	100		
120	25.4	20.8	31.2

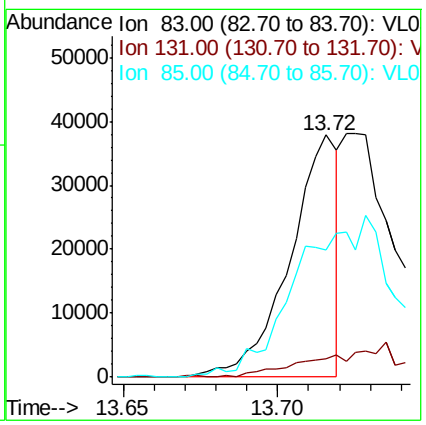


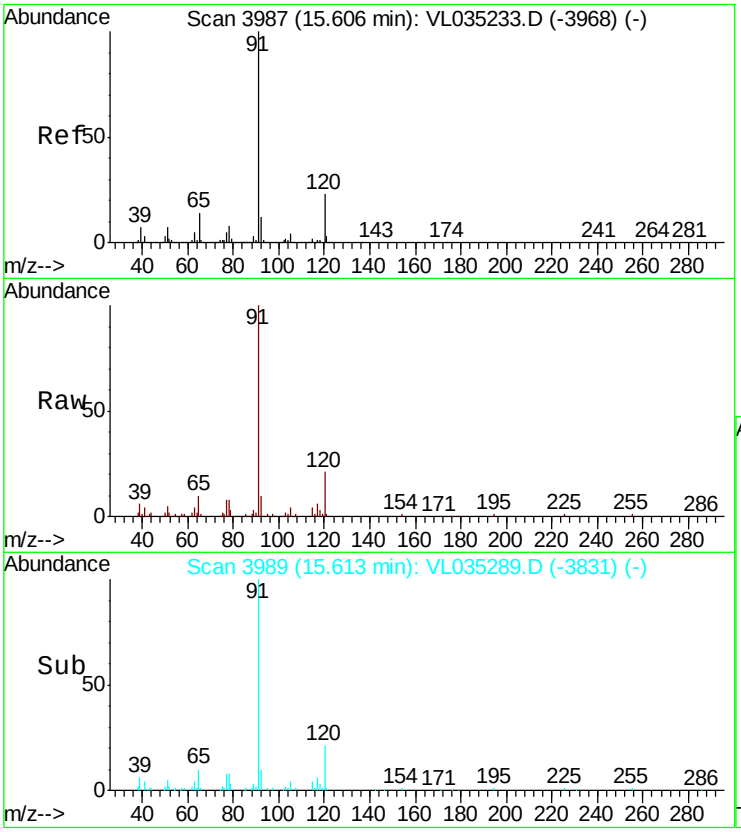


#63
1,1,2,2-Tetrachloroethane
Concen: 0.196 ppbv
RT: 13.72 min Scan# 3399
Delta R.T. -0.00 min
Lab File: VL035289.D
Acq: 30 Jul 2020 21:19

Tgt Ion: 83 Resp: 40857

Ion	Ratio	Lower	Upper
83	100		
131	0.0	4.6	13.8#
85	0.0	32.7	98.1#



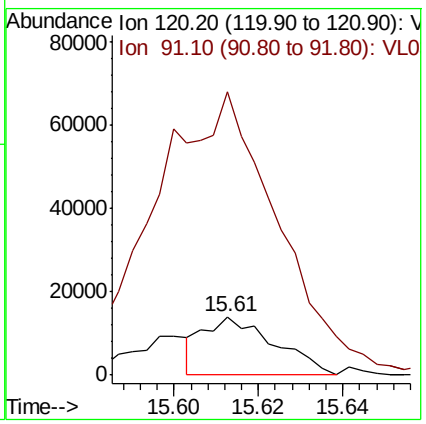


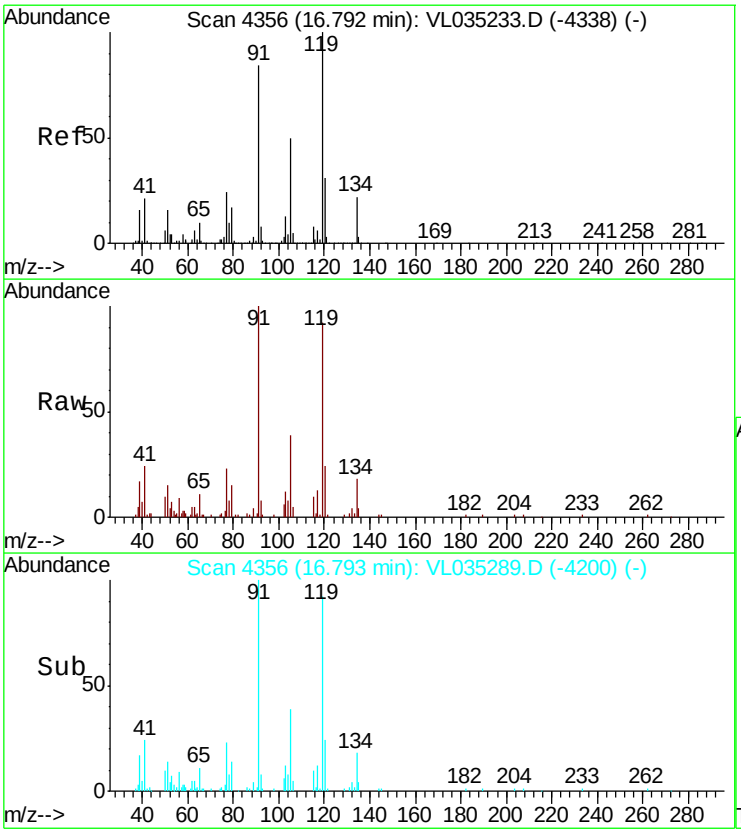
#64
n-propylbenzene
Concen: 0.169 ppbv
RT: 15.61 min Scan# 3989
Delta R.T. 0.01 min
Lab File: VL035289.D
Acq: 30 Jul 2020 21:19

Instrument :
MSVOA_L
ClientSampleId :
MDL-AIR-01-QT3-2020

Tgt Ion:120 Resp: 16221

Ion	Ratio	Lower	Upper
120	100		
91	907.3	367.5	551.3#

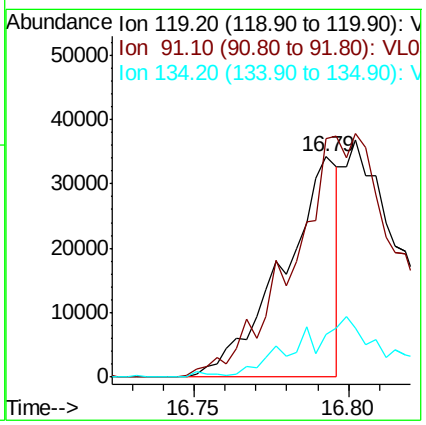


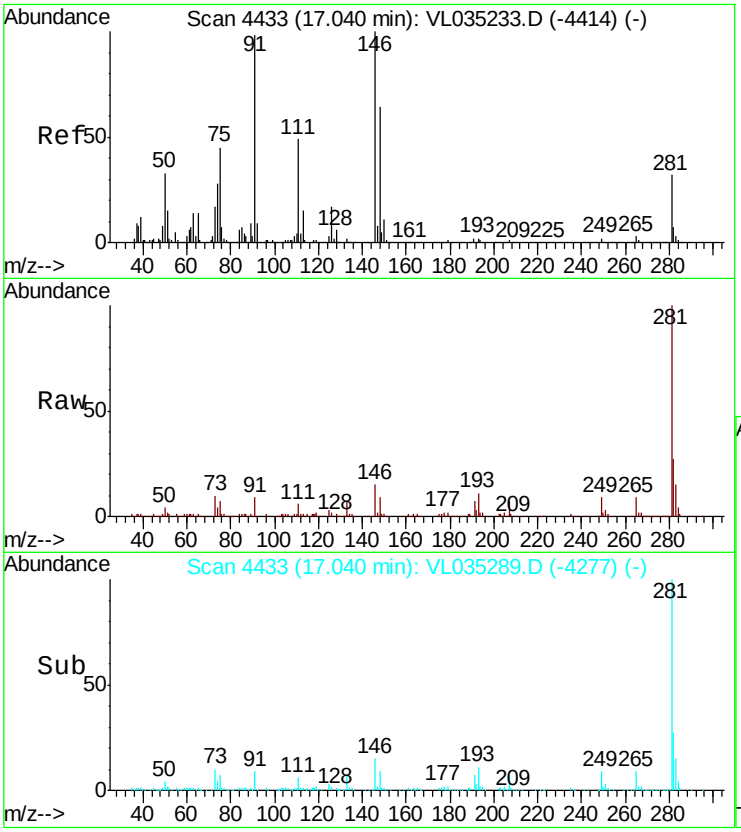


#65
tert-Butylbenzene
Concen: 0.130 ppbv
RT: 16.79 min Scan# 4356
Delta R.T. 0.00 min
Lab File: VL035289.D
Acq: 30 Jul 2020 21:19

Tgt Ion:119 Resp: 42256

Ion	Ratio	Lower	Upper
119	100		
91	0.0	68.0	102.0#
134	0.0	16.3	24.5#



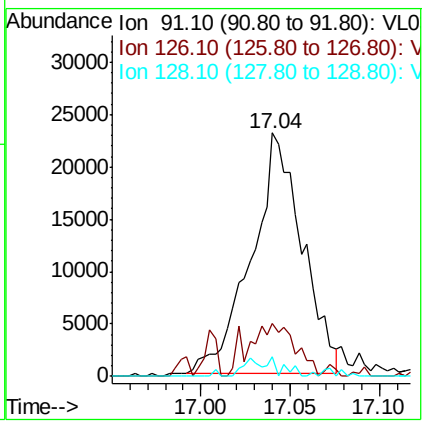


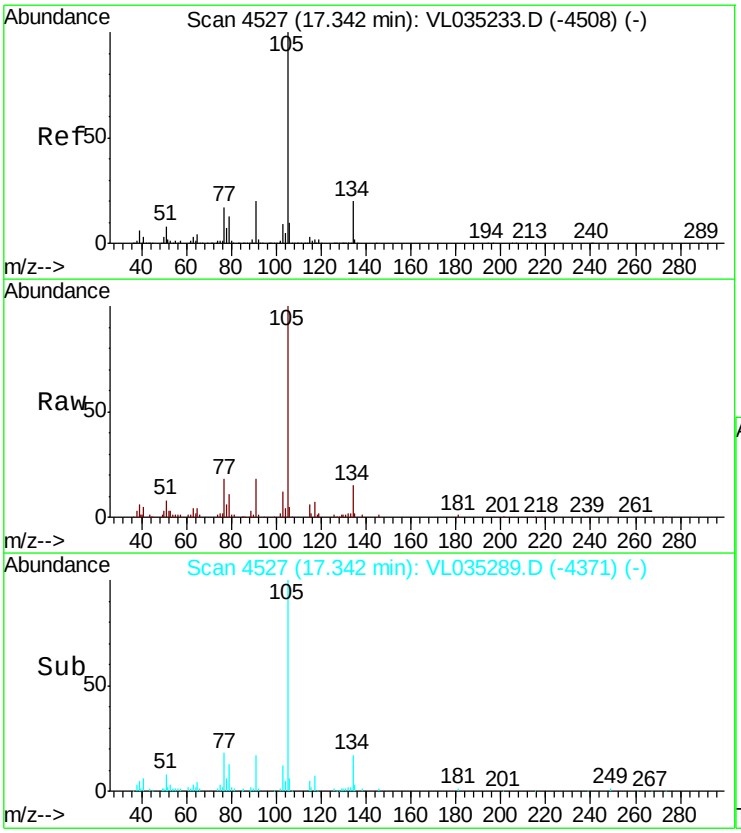
#66
Benzyl Chloride
Concen: 0.356 ppbv
RT: 17.04 min Scan# 4433
Delta R.T. 0.00 min
Lab File: VL035289.D
Acq: 30 Jul 2020 21:19

Instrument :
MSVOA_L
ClientSampleId :
MDL-AIR-01-QT3-2020

Tgt Ion: 91 Resp: 45533

Ion	Ratio	Lower	Upper
91	100		
126	22.3	14.1	21.1#
128	4.0	4.4	6.6#

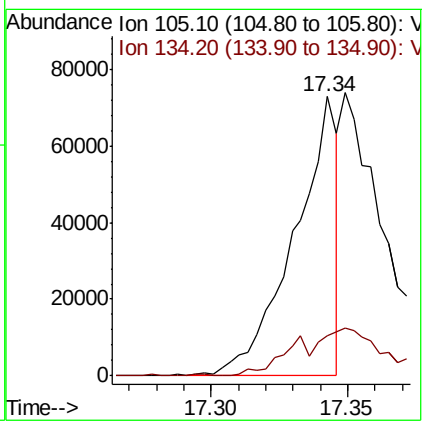


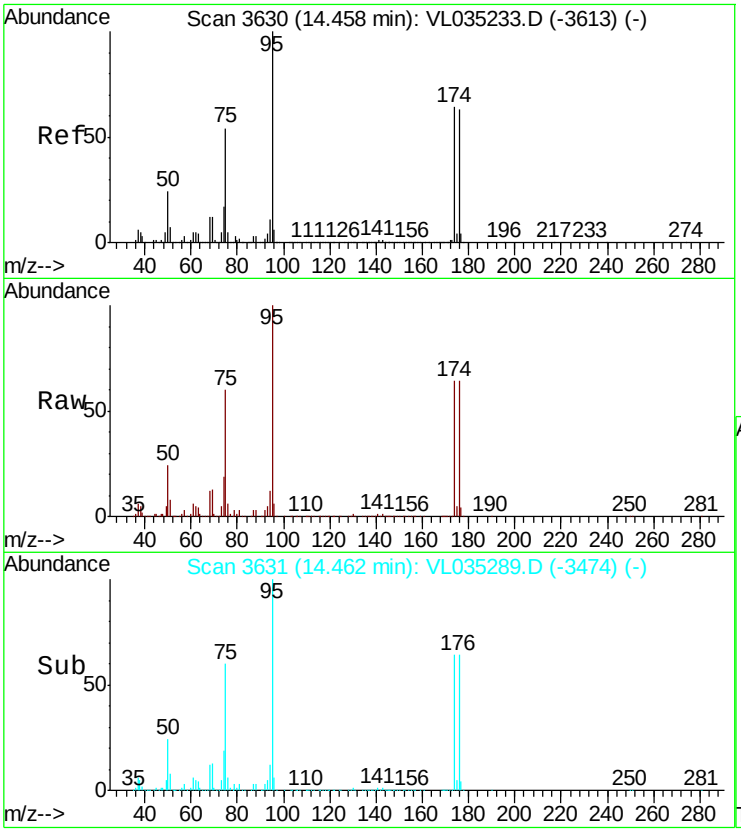


#67
sec-Butylbenzene
Concen: 0.167 ppbv
RT: 17.34 min Scan# 4527
Delta R.T. 0.00 min
Lab File: VL035289.D
Acq: 30 Jul 2020 21:19

Tgt Ion:105 Resp: 79337

Ion	Ratio	Lower	Upper
105	100		
134	0.0	15.0	22.4#



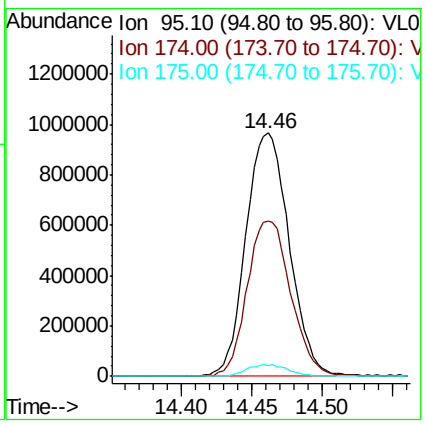


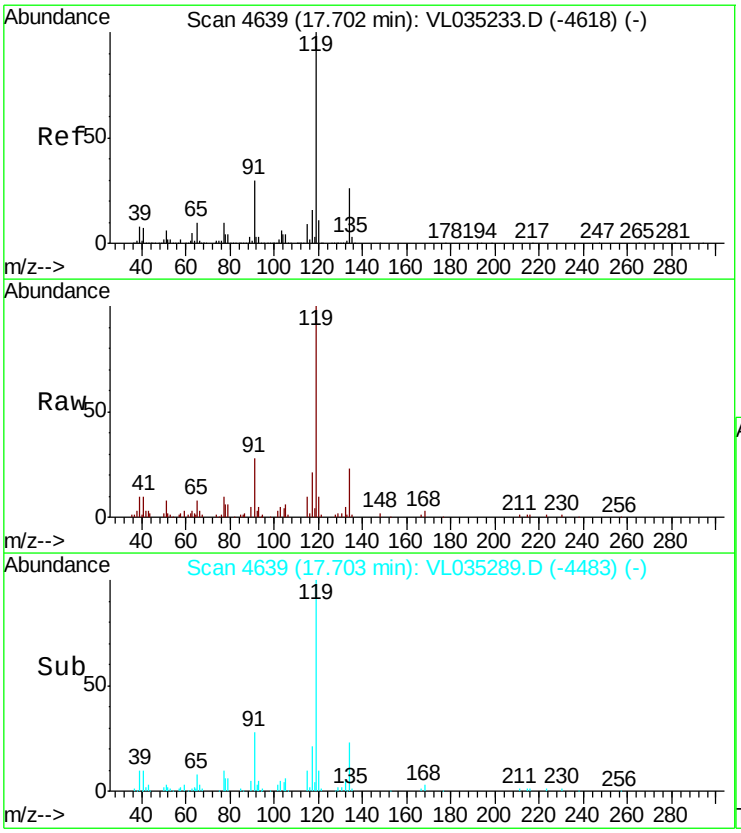
#68
1-Bromo-4-Fluorobenzene
Concen: 10.569 ppbv
RT: 14.46 min Scan# 3631
Delta R.T. 0.00 min
Lab File: VL035289.D
Acq: 30 Jul 2020 21:19

Instrument :
MSVOA_L
ClientSampleId :
MDL-AIR-01-QT3-2020

Tgt Ion: 95 Resp: 2076253

Ion	Ratio	Lower	Upper
95	100		
174	64.7	52.7	79.1
175	4.8	3.9	5.9

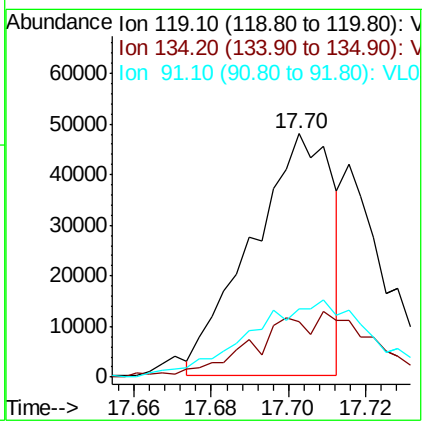


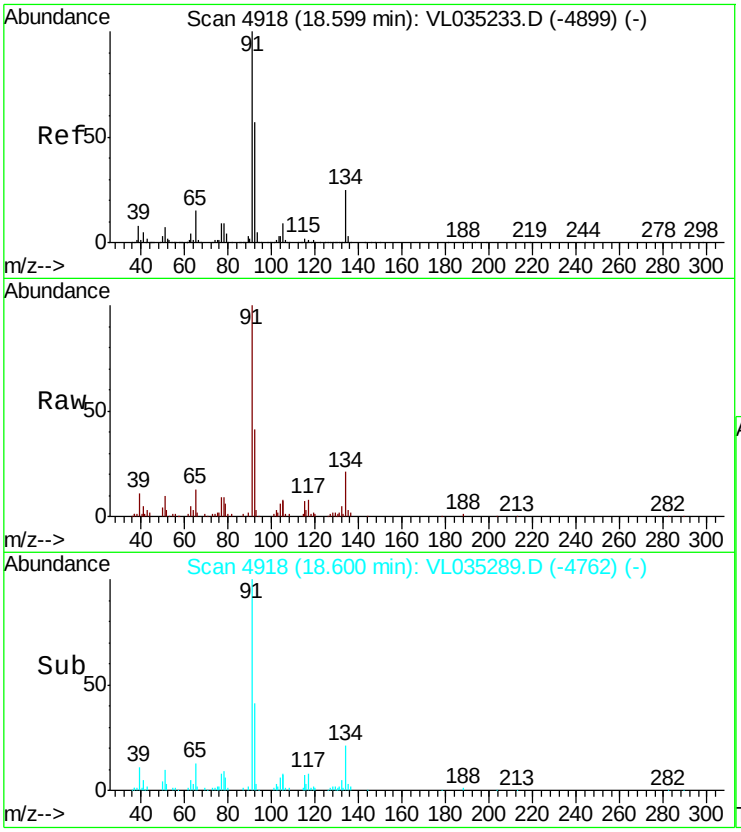


#69
p-Isopropyltoluene
Concen: 0.179 ppbv
RT: 17.70 min Scan# 4639
Delta R.T. 0.00 min
Lab File: VL035289.D
Acq: 30 Jul 2020 21:19

Tgt Ion:119 Resp: 69424

Ion	Ratio	Lower	Upper
119	100		
134	0.0	20.8	31.2#
91	0.0	24.7	37.1#



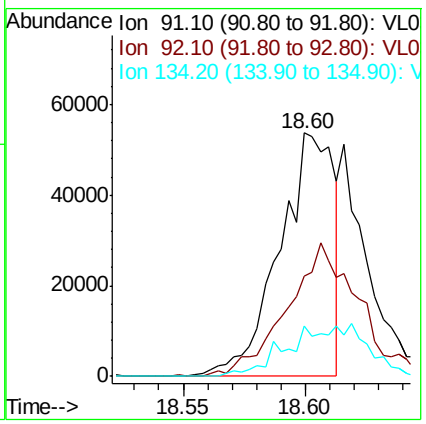


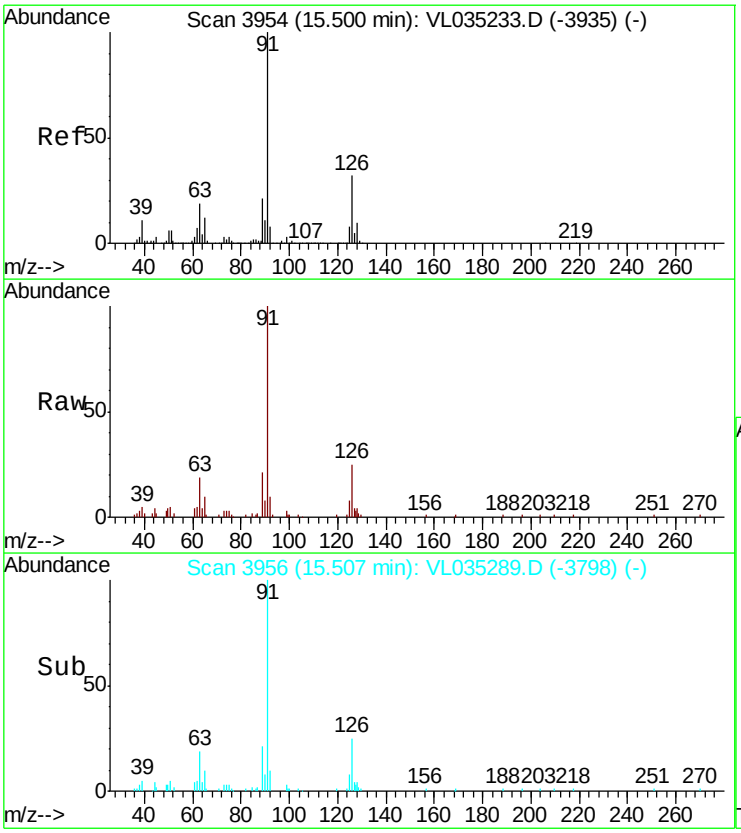
#70
n-Butylbenzene
Concen: 0.197 ppbv
RT: 18.60 min Scan# 4918
Delta R.T. 0.00 min
Lab File: VL035289.D
Acq: 30 Jul 2020 21:19

Instrument :
MSVOA_L
ClientSampleId :
MDL-AIR-01-QT3-2020

Tgt Ion: 91 Resp: 82935

Ion	Ratio	Lower	Upper
91	100		
92	74.3	44.9	67.3#
134	0.0	18.6	28.0#

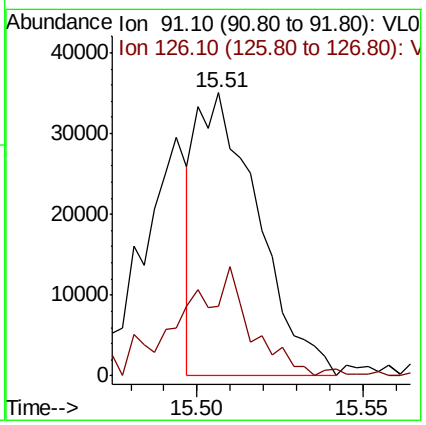


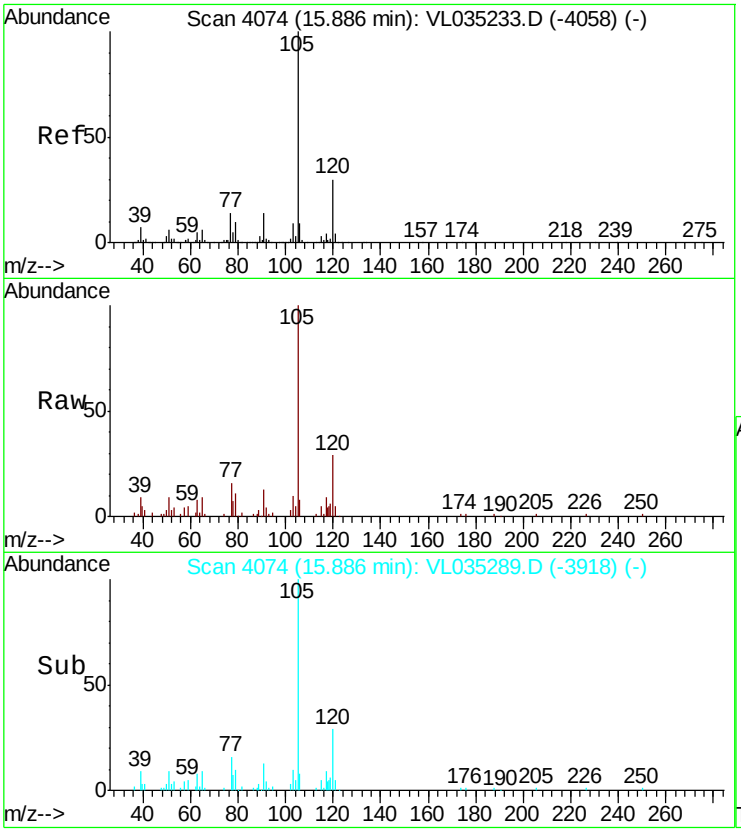


#71
2-Chlorotoluene
Concen: 0.167 ppbv
RT: 15.51 min Scan# 3956
Delta R.T. 0.01 min
Lab File: VL035289.D
Acq: 30 Jul 2020 21:19

Tgt Ion: 91 Resp: 45416

Ion	Ratio	Lower	Upper
91	100		
126	45.5	12.3	49.1



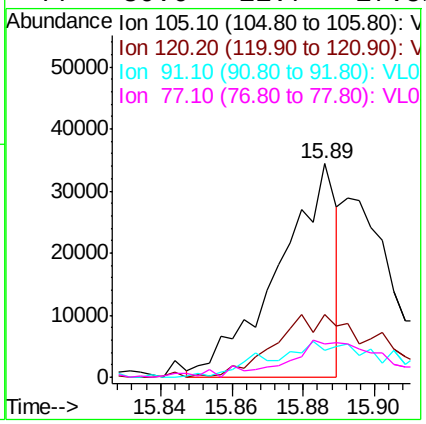


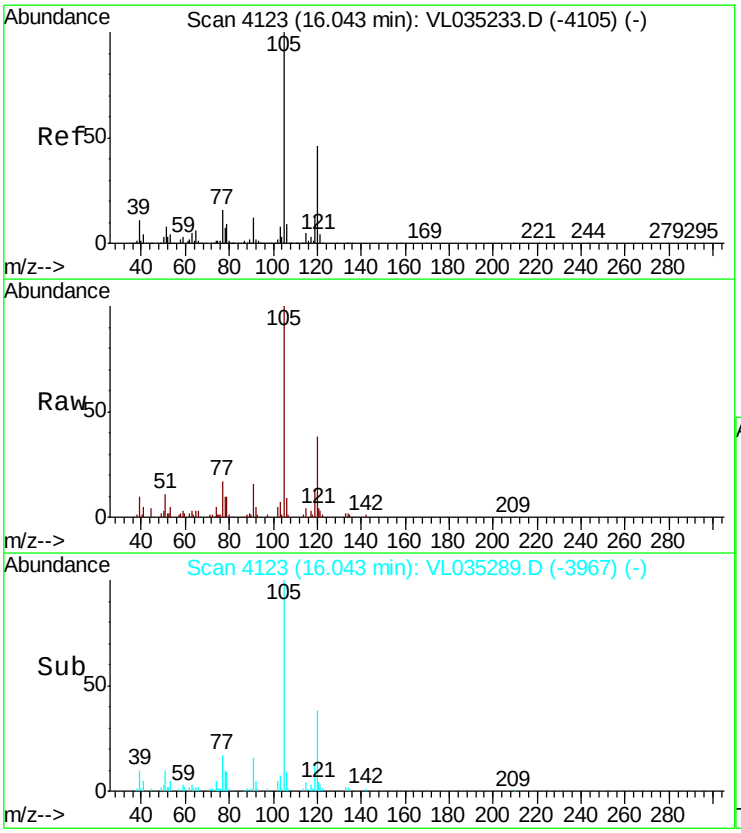
#72
4-Ethyltoluene
Concen: 0.143 ppbv
RT: 15.89 min Scan# 4074
Delta R.T. 0.00 min
Lab File: VL035289.D
Acq: 30 Jul 2020 21:19

Instrument :
MSVOA_L
ClientSampleId :
MDL-AIR-01-QT3-2020

Tgt Ion:105 Resp: 38922

Ion	Ratio	Lower	Upper
105	100		
120	52.1	23.6	35.4#
91	35.0	11.0	16.6#
77	30.6	11.7	17.5#

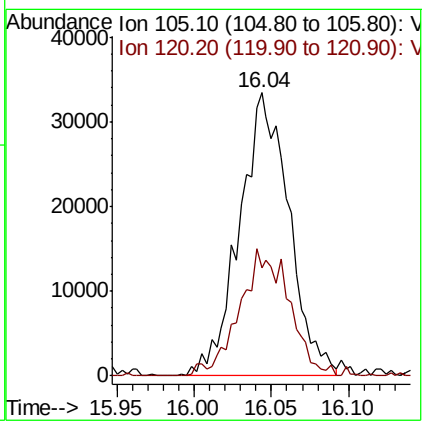


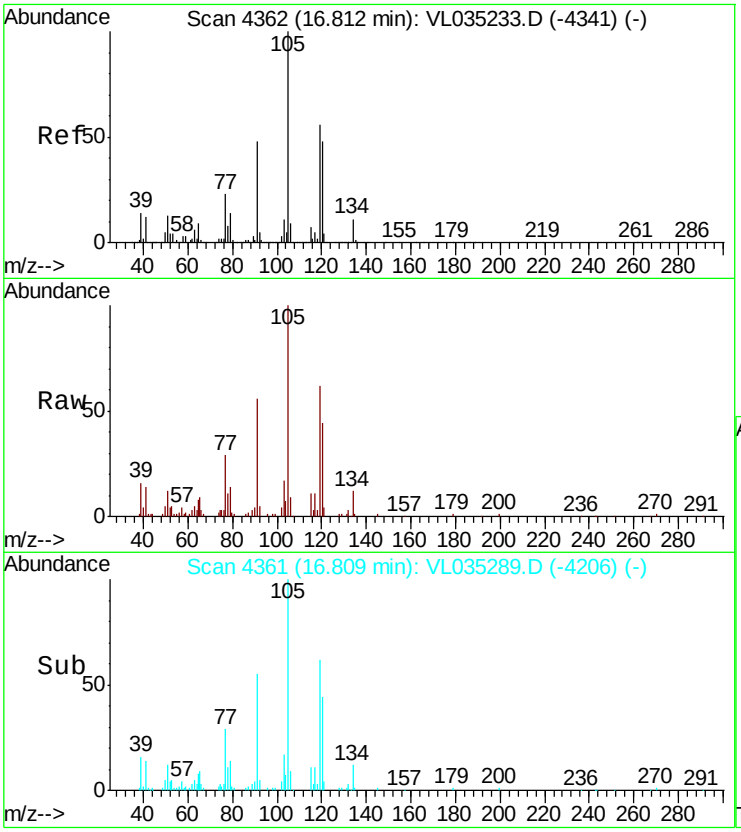


#73
1,3,5-Trimethylbenzene
Concen: 0.279 ppbv
RT: 16.04 min Scan# 4123
Delta R.T. 0.00 min
Lab File: VL035289.D
Acq: 30 Jul 2020 21:19

Tgt Ion:105 Resp: 74168

Ion	Ratio	Lower	Upper
105	100		
120	42.5	36.8	55.2



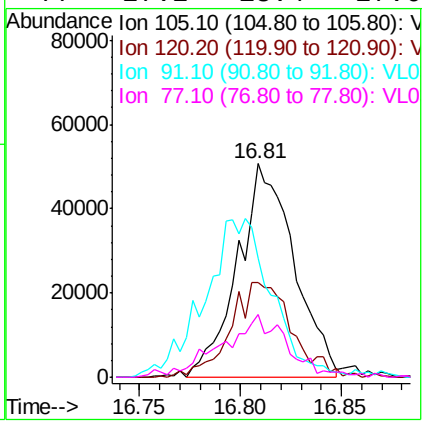


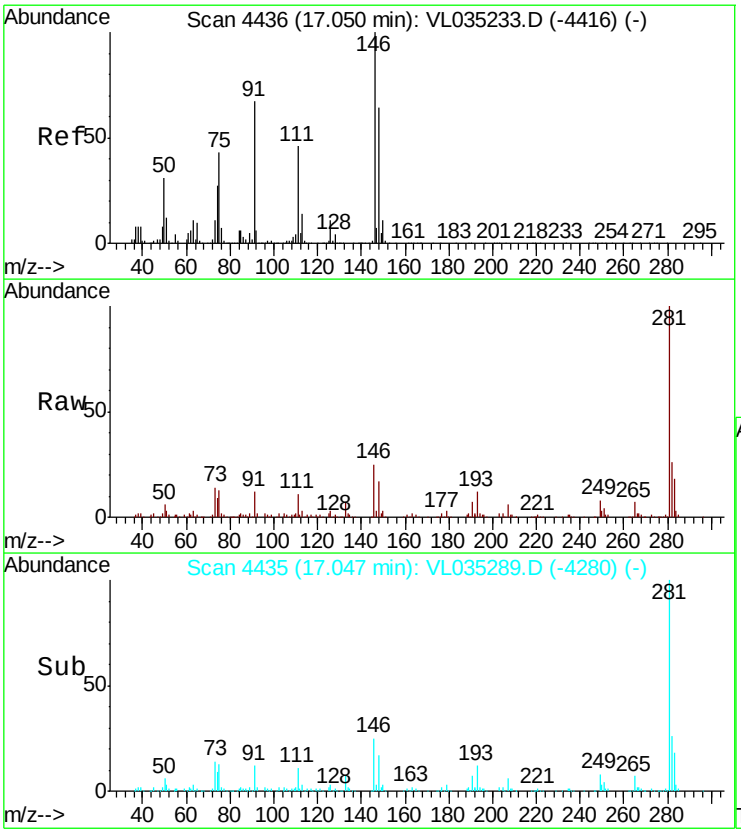
#74
1,2,4-Trimethylbenzene
Concen: 0.319 ppbv
RT: 16.81 min Scan# 4361
Delta R.T. -0.00 min
Lab File: VL035289.D
Acq: 30 Jul 2020 21:19

Instrument :
MSVOA_L
ClientSampleId :
MDL-AIR-01-QT3-2020

Tgt Ion:105 Resp: 98706

Ion	Ratio	Lower	Upper
105	100		
120	42.7	38.8	58.2
91	53.5	38.9	58.3
77	27.2	18.4	27.6

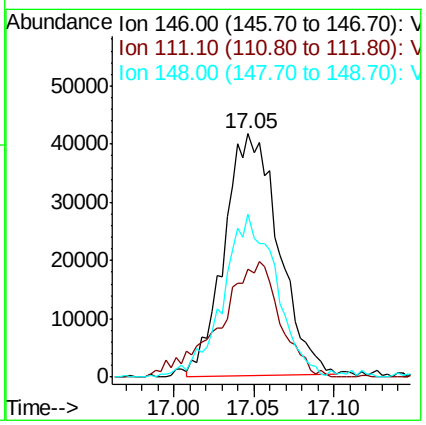


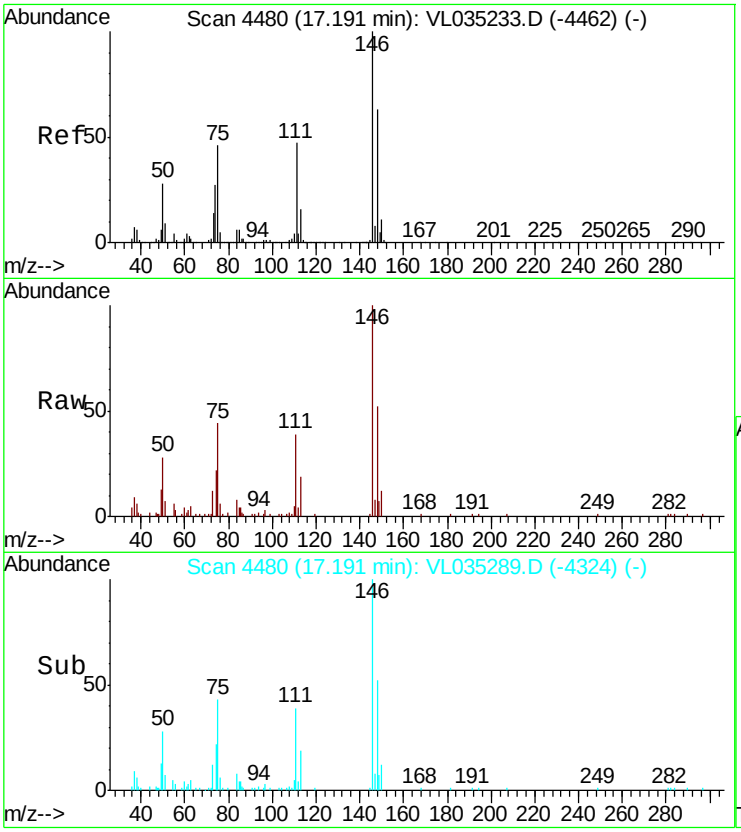


#75
1,3-Dichlorobenzene
Concen: 0.483 ppbv
RT: 17.05 min Scan# 4435
Delta R.T. -0.00 min
Lab File: VL035289.D
Acq: 30 Jul 2020 21:19

Tgt Ion:146 Resp: 96341

Ion	Ratio	Lower	Upper
146	100		
111	52.8	24.4	73.4
148	67.5	32.1	96.5



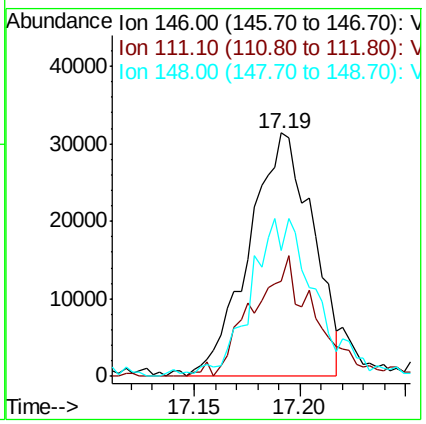


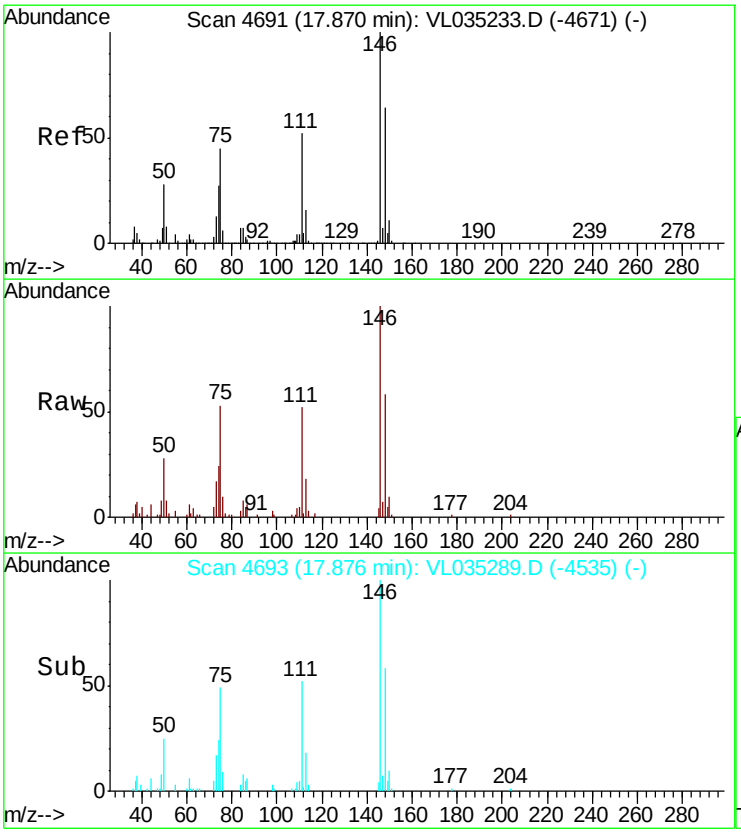
#76
1,4-Dichlorobenzene
Concen: 0.364 ppbv
RT: 17.19 min Scan# 4480
Delta R.T. 0.00 min
Lab File: VL035289.D
Acq: 30 Jul 2020 21:19

Instrument :
MSVOA_L
ClientSampleId :
MDL-AIR-01-QT3-2020

Tgt Ion:146 Resp: 65624

Ion	Ratio	Lower	Upper
146	100		
111	49.6	23.4	70.2
148	68.4	32.2	96.6

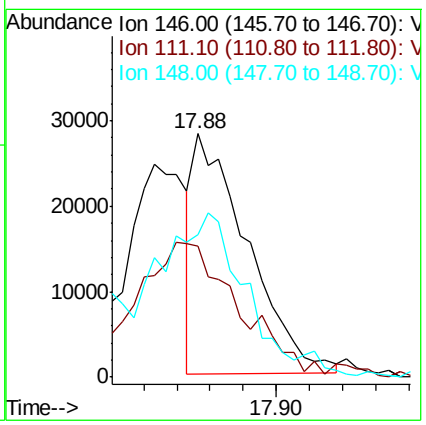


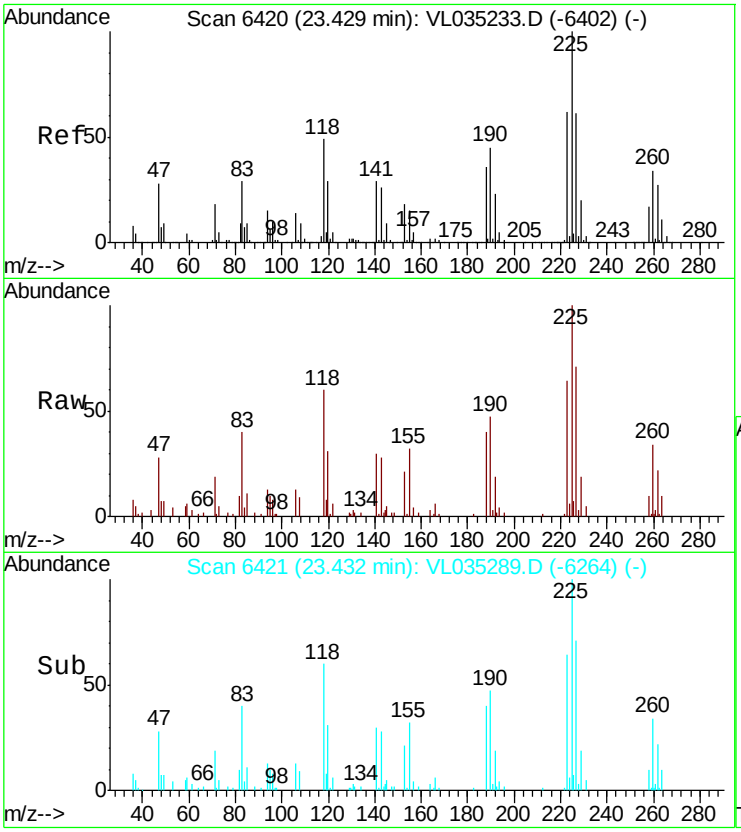


#77
1,2-Dichlorobenzene
Concen: 0.177 ppbv
RT: 17.88 min Scan# 4693
Delta R.T. 0.01 min
Lab File: VL035289.D
Acq: 30 Jul 2020 21:19

Tgt Ion:146 Resp: 31625

Ion	Ratio	Lower	Upper
146	100		
111	114.3	24.6	73.8#
148	135.8	32.0	96.0#



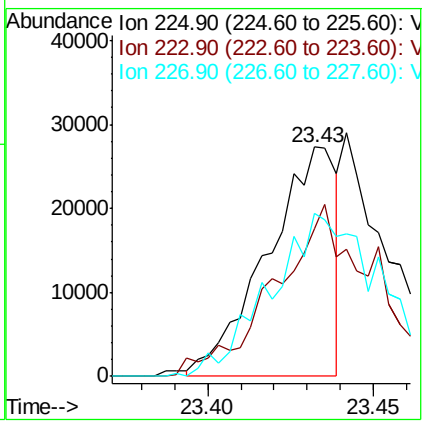


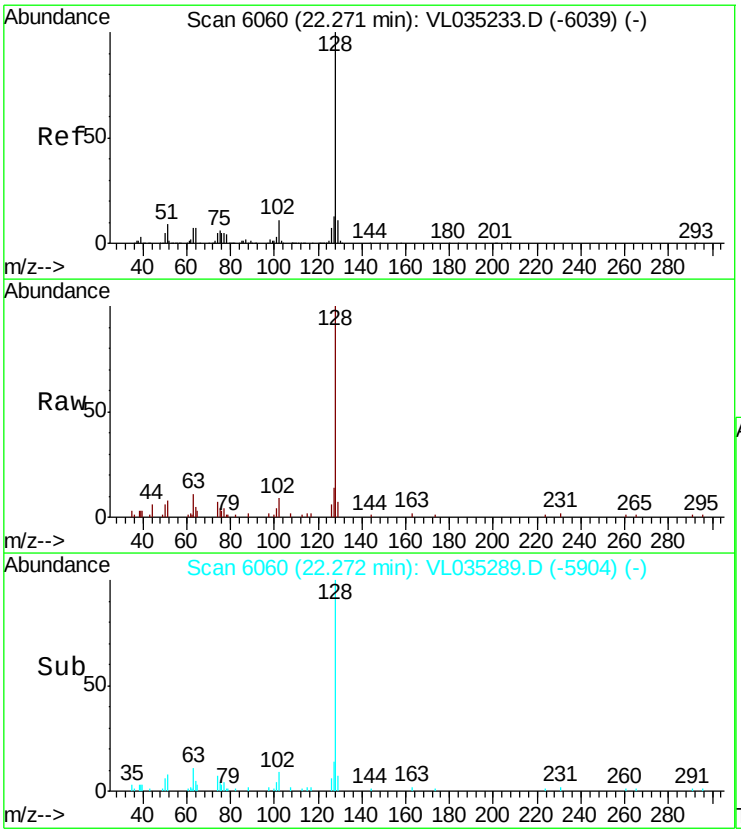
#78
Hexachloro-1,3-Butadiene
Concen: 0.271 ppbv
RT: 23.43 min Scan# 6421
Delta R.T. 0.00 min
Lab File: VL035289.D
Acq: 30 Jul 2020 21:19

Instrument :
MSVOA_L
ClientSampleId :
MDL-AIR-01-QT3-2020

Tgt Ion:225 Resp: 39616

Ion	Ratio	Lower	Upper
225	100		
223	109.0	51.3	76.9#
227	114.8	51.4	77.2#

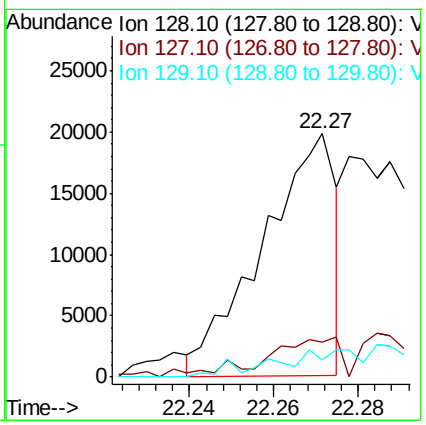


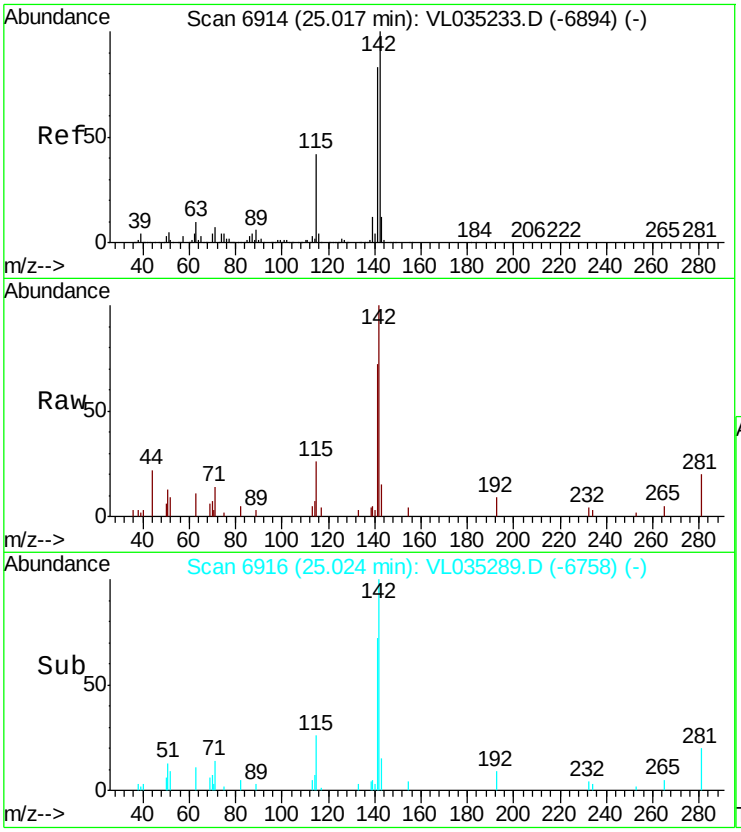


#79
Naphthalene
Concen: 0.097 ppbv
RT: 22.27 min Scan# 6060
Delta R.T. 0.00 min
Lab File: VL035289.D
Acq: 30 Jul 2020 21:19

Tgt Ion:128 Resp: 23880

Ion	Ratio	Lower	Upper
128	100		
127	13.6	10.4	15.6
129	7.5	8.5	12.7#



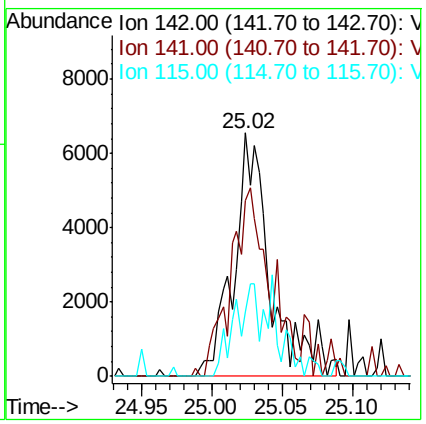


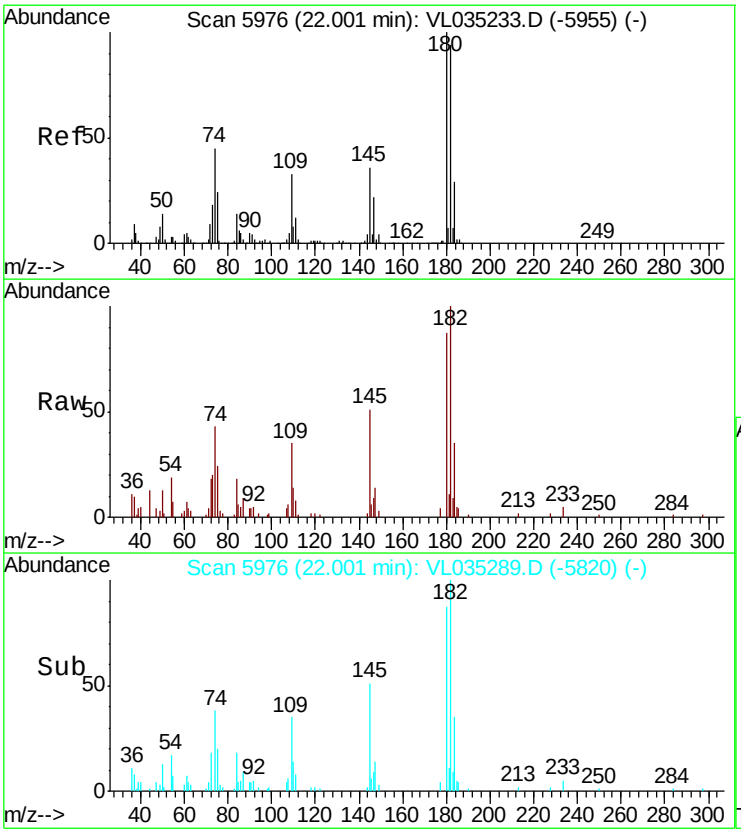
#80
Naphthalene,2-methyl-
Concen: 0.150 ppbv
RT: 25.02 min Scan# 6916
Delta R.T. 0.01 min
Lab File: VL035289.D
Acq: 30 Jul 2020 21:19

Instrument :
MSVOA_L
ClientSampleId :
MDL-AIR-01-QT3-2020

Tgt Ion:142 Resp: 11948

Ion	Ratio	Lower	Upper
142	100		
141	91.7	68.6	103.0
115	43.3	34.5	51.7





#81
1,2,4-Trichlorobenzene
Concen: 0.102 ppbv
RT: 22.00 min Scan# 5976
Delta R.T. 0.00 min
Lab File: VL035289.D
Acq: 30 Jul 2020 21:19

Tgt Ion:180 Resp: 15240

Ion	Ratio	Lower	Upper
180	100		
182	0.0	76.7	115.1#
184	0.0	24.7	37.1#