Quantitation Report (QT Reviewed)

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_L\DATA\VL101920\
Data File : VL035793.D
Acq On : 19 Oct 2020 14:03
Operator : SY/AP
Sample : L4214-15 MDL 0.4
Misc : 400ml/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

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

Quant Time: Oct 20 08:21:28 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	1132953	10.00	ppbv		-0.04
33) 1,4-Difluorobenzene	7.16	114	4199846	10.00	ppbv		-0.04
55) Chlorobenzene-d5	12.07	117	4056134	10.00	ppbv		-0.04
System Monitoring Compounds							
68) 1-Bromo-4-Fluorobenzene	14.41	95	3086913	10.16	ppbv		-0.04
Spiked Amount 10.000	Range 65 - 135		Recovery = 101.60%				
Target Compounds							Qvalue
2) Dichlorodifluoromethane	3.03	85	94864	0.510	ppbv		98
3) Chlorodifluoromethane	2.97	51	52158	0.428	ppbv		100
4) Chloromethane	3.12	50	28255	0.432	ppbv		98
5) Vinyl Chloride	3.24	62	30898	0.399	ppbv		97
6) Bromomethane	3.45	94	26387	0.403	ppbv		87
7) Chloroethane	3.54	64	12480	0.439	ppbv	#	82
8) Dichlorotetrafluoroethane	3.17	85	99607	0.442	ppbv		96
9) Propene	2.99	41	16574	0.375	ppbv		98
10) Heptane	8.11	43	36111	0.293	ppbv		99
11) Trichlorofluoromethane	3.93	101	113700	0.429	ppbv		99
12) 1,1,2-Trichlorotrifluoroet	4.47	101	84436	0.427	ppbv		99
13) Ethanol	3.59	45	5989m	0.549	ppbv		
14) Bromoethene	3.72	108	30812	0.370	ppbv	#	99
15) Acetone	3.84	43	65682	0.539	ppbv	#	87
16) 1,3-Butadiene	3.31	39	16093	0.361	ppbv		97
17) tert-Butyl alcohol	4.29	59	56413	0.425	ppbv		98
18) 1,1-Dichloroethene	4.27	96	33875	0.391	ppbv		91
19) Isopropyl Alcohol	3.96	45	29371	0.443	ppbv	#	91
20) Methylene Chloride	4.33	84	47121	0.526	ppbv		98
21) Allyl Chloride	4.39	41	21689	0.367	ppbv		93
22) trans-1,2-Dichloroethene	4.86	96	36902	0.403	ppbv		92
23) Vinyl Acetate	5.06	43	61379	0.411	ppbv	#	92
24) 1,1-Dichloroethane	4.99	63	66198	0.407	ppbv		99
25) Ethyl Acetate	5.66	43	85216	0.388	ppbv		98
26) Hexane	5.67	57	42708	0.355	ppbv	#	84
27) Carbon Disulfide	4.53	76	65634	0.366	ppbv	#	96
28) Methyl tert-Butyl Ether	5.03	73	60352	0.317	ppbv		97
29) Chloroform	5.73	83	99931	0.409	ppbv		92
30) Cyclohexane	7.12	84	40382m	0.340	ppbv		
31) cis-1,2-Dichloroethene	5.53	61	33816	0.291	ppbv		90
32) 1,1,1-Trichloroethane	6.49	97	84524	0.393	ppbv		98
34) 2-Butanone	5.23	43	48724	0.351	ppbv		95
35) Carbon Tetrachloride	7.00	117	85274	0.389	ppbv		96
36) Benzene	6.87	78	83458	0.305	ppbv		96
37) 1,2-Dichloroethane	6.29	62	56730	0.398	ppbv		98
38) Trichloroethene	7.82	130	44678	0.327	ppbv		96
39) 1,2-Dichloropropane	7.59	63	36744	0.370	ppbv	#	89
40) 1,4-Dioxane	7.85	88	14597	0.322	ppbv		82
41) Tetrahydrofuran	6.06	42	17306	0.247	ppbv		91
42) Bromodichloromethane	7.77	83	82628	0.360	ppbv	#	99
43) Methyl Methacrylate	8.00	69	27727	0.255	ppbv		91

Quantitation Report (QT Reviewed)

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_L\DATA\VL101920\
Data File : VL035793.D
Acq On : 19 Oct 2020 14:03
Operator : SY/AP
Sample : L4214-15 MDL 0.4
Misc : 400ml/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

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

Quant Time: Oct 20 08:21:28 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)
44) 2,2,4-Trimethylpentane	7.85	57	128722	0.328 ppbv	#	93
45) t-1,3-Dichloropropene	9.26	75	27797	0.253 ppbv		90
46) cis-1,3-Dichloropropene	8.69	75	33839	0.250 ppbv		99
47) 1,1,2-Trichloroethane	9.46	97	52504	0.370 ppbv		96
48) Dibromochloromethane	10.29	129	69306	0.321 ppbv		98
49) Bromoform	13.03	173	53751	0.293 ppbv		97
50) 4-Methyl-2-Pentanone	8.74	43	60057	0.296 ppbv		90
51) 2-Hexanone	10.14	43	40038	0.245 ppbv	#	88
52) Tetrachloroethene	11.21	164	44280	0.336 ppbv		96
53) Toluene	9.79	91	78707	0.244 ppbv		96
54) 1,2-Dibromoethane	10.60	107	74719	0.351 ppbv		95
56) 1,1,1,2-Tetrachloroethane	12.11	131	65449	0.385 ppbv	#	1
57) Chlorobenzene	12.13	112	131095	0.428 ppbv	#	95
58) Ethyl Benzene	12.71	91	109685m	0.269 ppbv		
59) m/p-Xylene	12.99	91	222772m	0.627 ppbv		
60) o-Xylene	13.68	91	108749	0.302 ppbv		96
61) Styrene	13.52	104	53878	0.217 ppbv		99
62) Isopropylbenzene	14.66	105	173270	0.311 ppbv		95
63) 1,1,2,2-Tetrachloroethane	13.67	83	121962	0.414 ppbv		99
64) n-propylbenzene	15.56	120	46836	0.287 ppbv	#	58
65) tert-Butylbenzene	16.74	119	148927	0.294 ppbv		95
66) Benzyl Chloride	16.98	91	48748	0.317 ppbv	#	89
67) sec-Butylbenzene	17.29	105	223851	0.320 ppbv		92
69) p-Isopropyltoluene	17.65	119	154463	0.271 ppbv		96
70) n-Butylbenzene	18.55	91	176105	0.300 ppbv	#	88
71) 2-Chlorotoluene	15.45	91	116100	0.285 ppbv		98
72) 4-Ethyltoluene	15.84	105	109872	0.258 ppbv		97
73) 1,3,5-Trimethylbenzene	16.00	105	110916m	0.275 ppbv		
74) 1,2,4-Trimethylbenzene	16.76	105	149825	0.330 ppbv		93
75) 1,3-Dichlorobenzene	16.99	146	137144m	0.443 ppbv		
76) 1,4-Dichlorobenzene	17.13	146	107101	0.362 ppbv		98
77) 1,2-Dichlorobenzene	17.82	146	103407	0.353 ppbv		99
78) Hexachloro-1,3-Butadiene	23.38	225	61090	0.378 ppbv		98
79) Naphthalene	22.21	128	99003	0.229 ppbv		99
80) Naphthalene,2-methyl-	24.98	142	9254	0.091 ppbv		92
81) 1,2,4-Trichlorobenzene	21.94	180	66576	0.297 ppbv		99

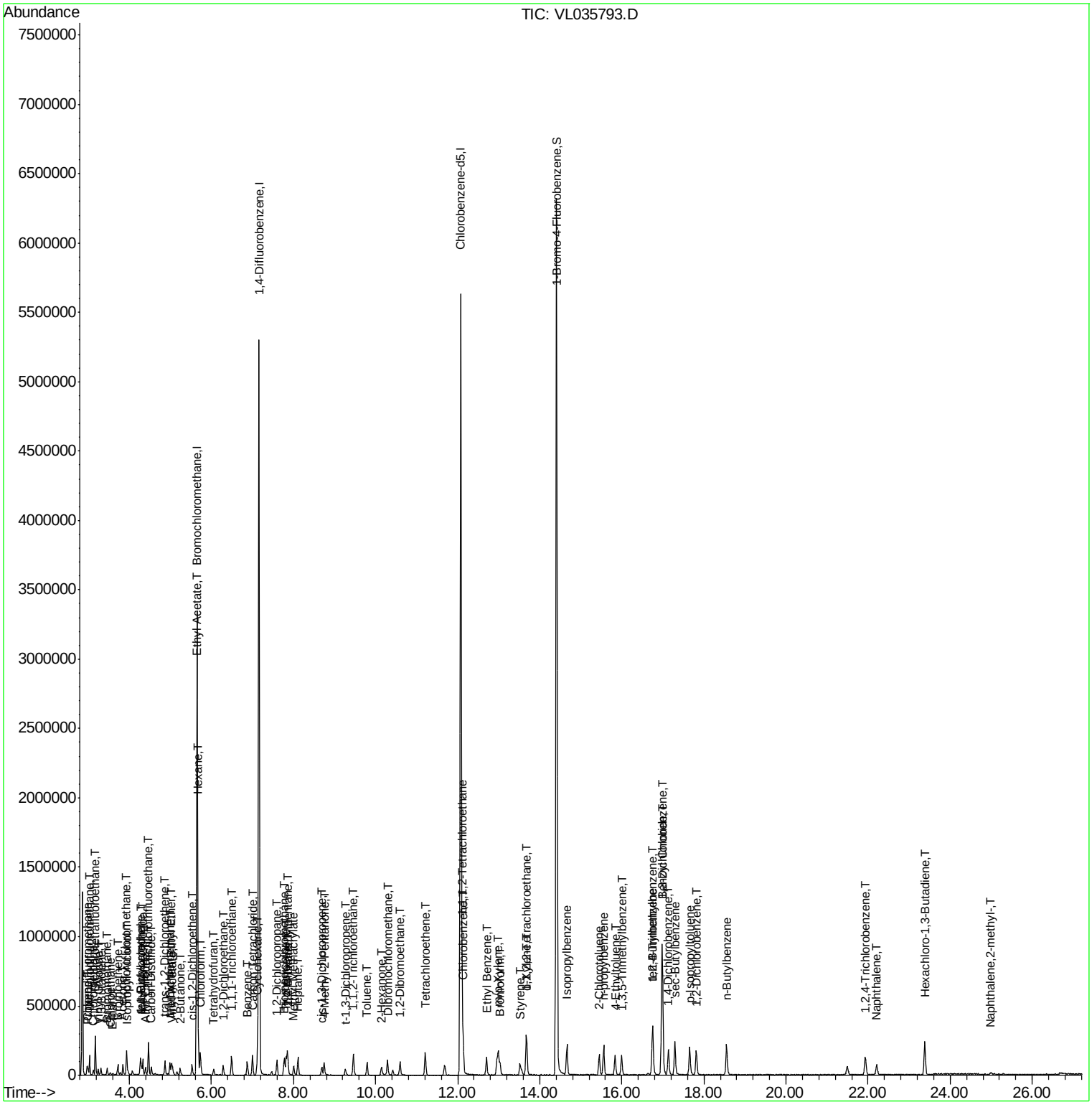
(#) = qualifier out of range (m) = manual integration (+) = signals summed

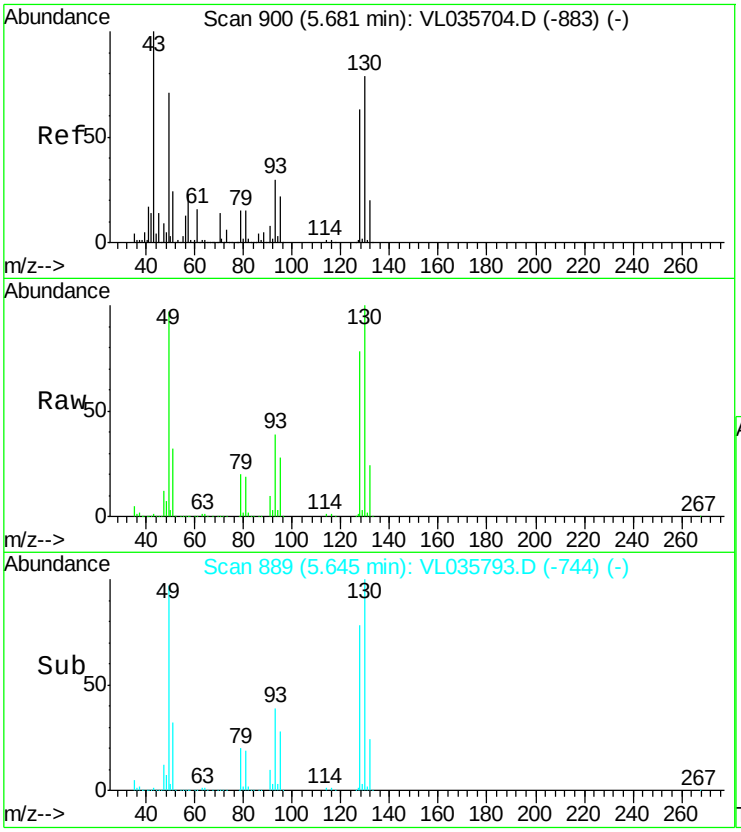
Quantitation Report (QT Reviewed)

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_L\DATA\VL101920\
Data File : VL035793.D
Acq On : 19 Oct 2020 14:03
Operator : SY/AP
Sample : L4214-15 MDL 0.4
Misc : 400ml/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

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

Quant Time: Oct 20 08:21:28 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



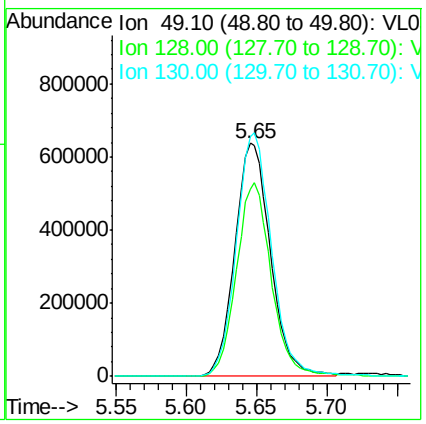


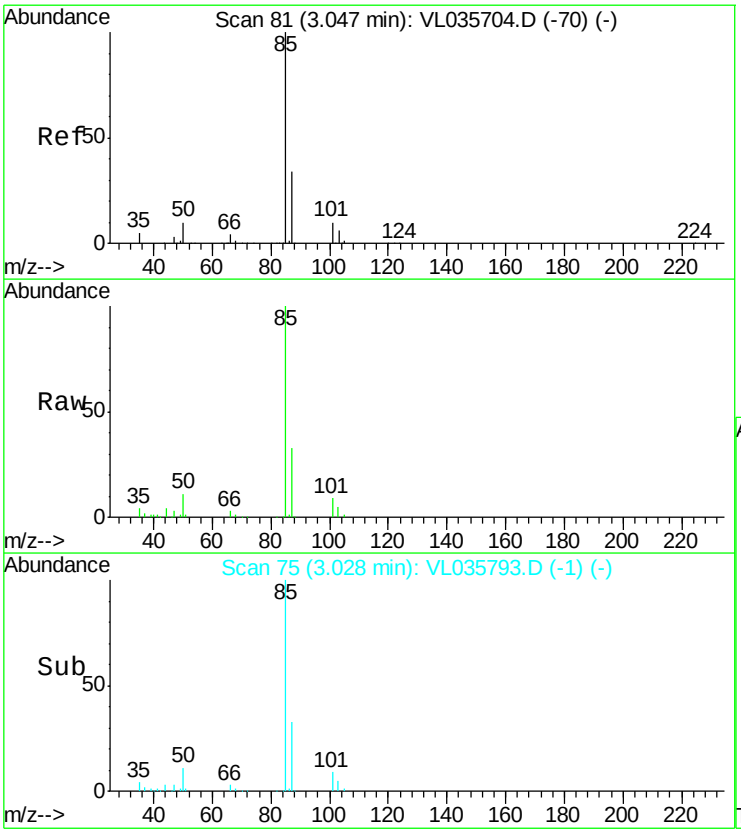
#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 5.65 min Scan# 889
Delta R.T. -0.04 min
Lab File: VL035793.D
Acq: 19 Oct 2020 14:03

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

Tgt Ion: 49 Resp: 1132953

Ion	Ratio	Lower	Upper
49	100		
128	81.3	43.1	129.4
130	103.6	54.9	164.7

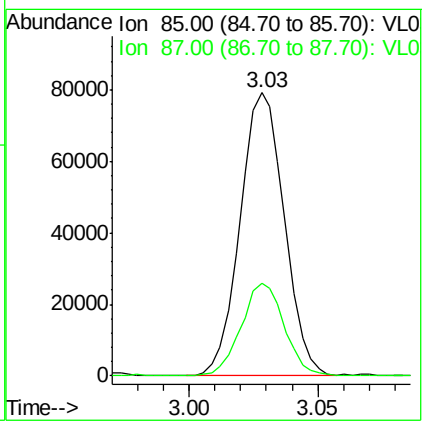


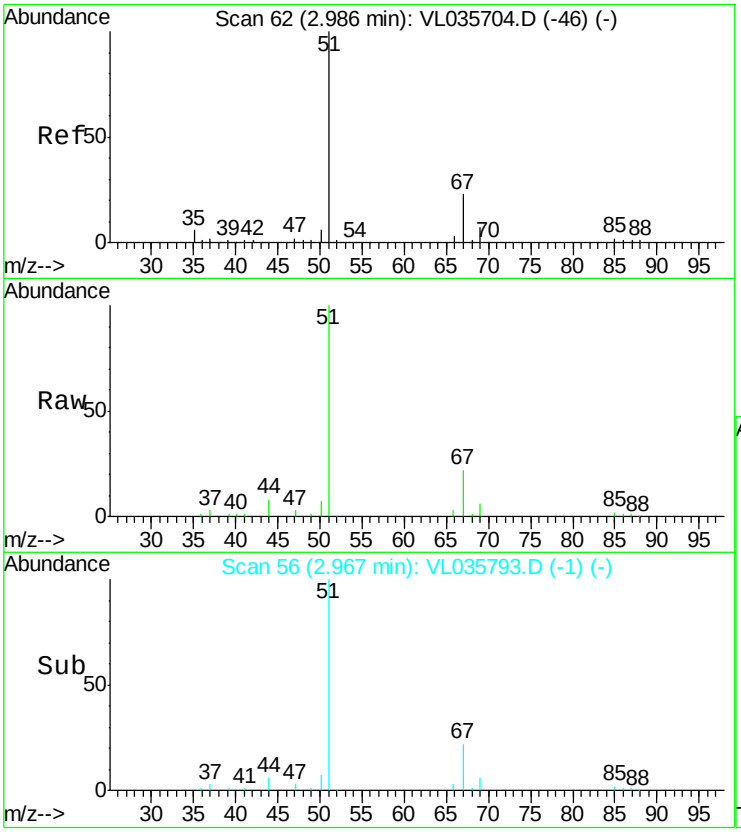


#2
Dichlorodifluoromethane
Concen: 0.510 ppbv
RT: 3.03 min Scan# 75
Delta R.T. -0.02 min
Lab File: VL035793.D
Acq: 19 Oct 2020 14:03

Tgt Ion: 85 Resp: 94864

Ion	Ratio	Lower	Upper
85	100		
87	32.7	27.3	40.9



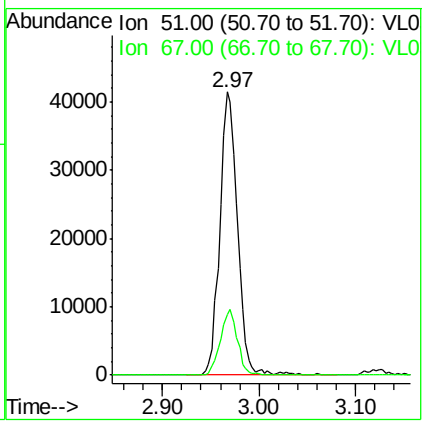


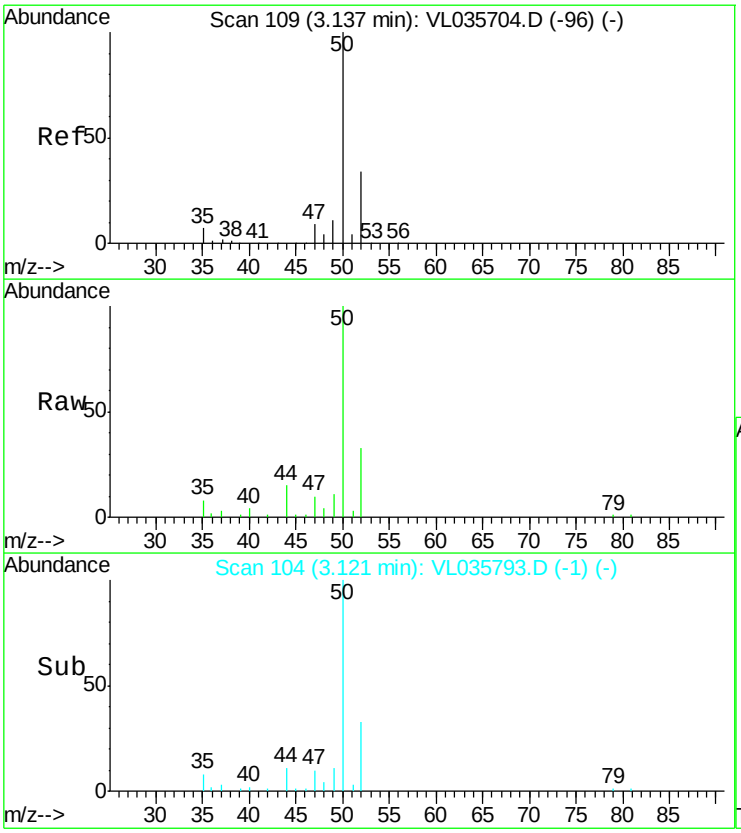
#3
Chlorodifluoromethane
Concen: 0.428 ppbv
RT: 2.97 min Scan# 56
Delta R.T. -0.02 min
Lab File: VL035793.D
Acq: 19 Oct 2020 14:03

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

Tgt Ion: 51 Resp: 52158

Ion	Ratio	Lower	Upper
51	100		
67	22.2	17.8	26.8

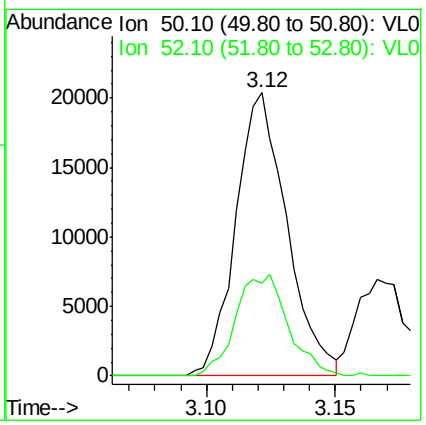


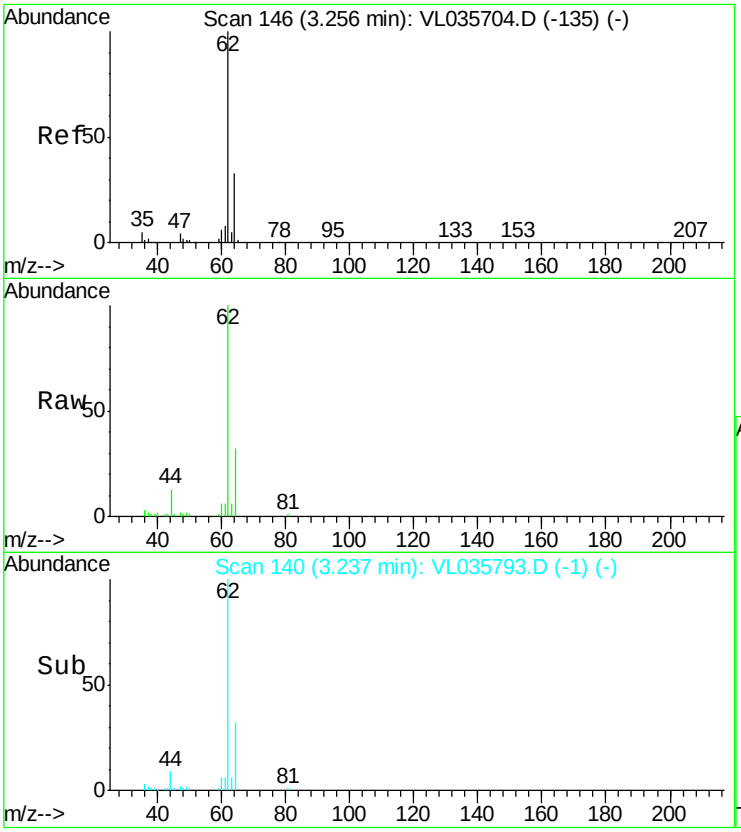


#4
Chloromethane
Concen: 0.432 ppbv
RT: 3.12 min Scan# 104
Delta R.T. -0.02 min
Lab File: VL035793.D
Acq: 19 Oct 2020 14:03

Tgt Ion: 50 Resp: 28255

Ion	Ratio	Lower	Upper
50	100		
52	32.6	26.8	40.2



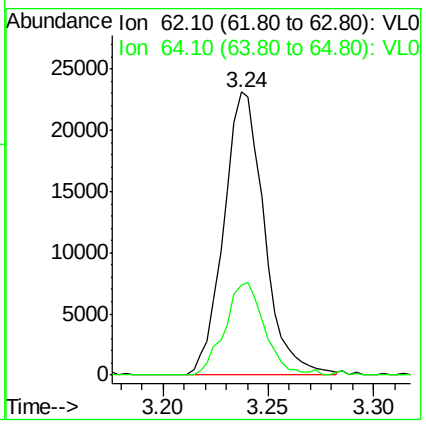


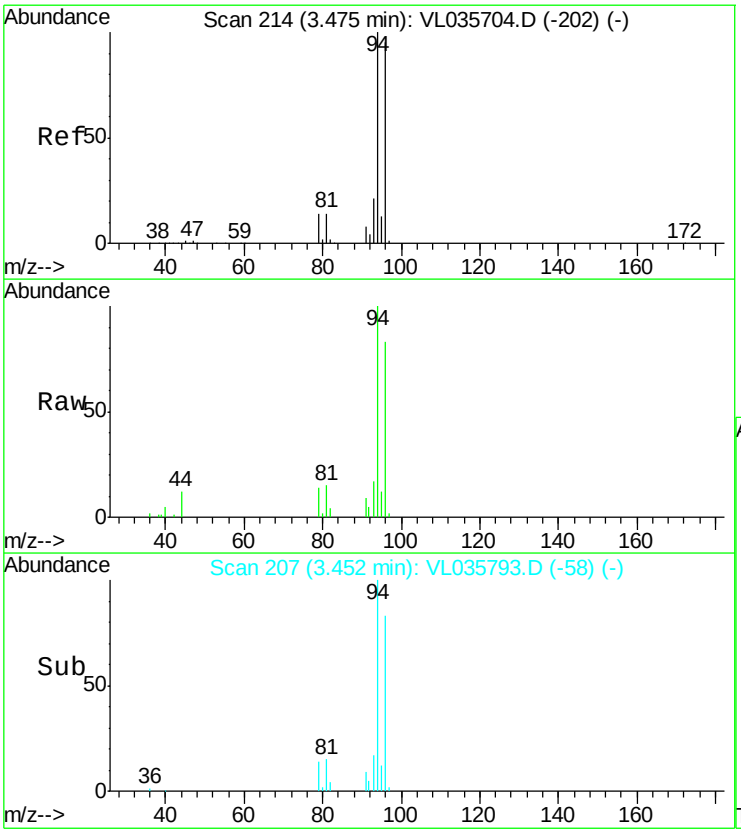
#5
Vinyl Chloride
Concen: 0.399 ppbv
RT: 3.24 min Scan# 140
Delta R.T. -0.02 min
Lab File: VL035793.D
Acq: 19 Oct 2020 14:03

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

Tgt Ion: 62 Resp: 30898

Ion	Ratio	Lower	Upper
62	100		
64	31.9	26.8	40.2

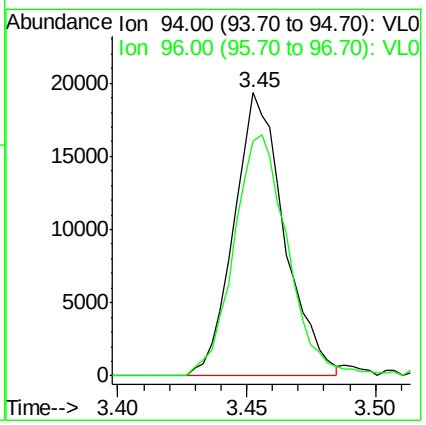


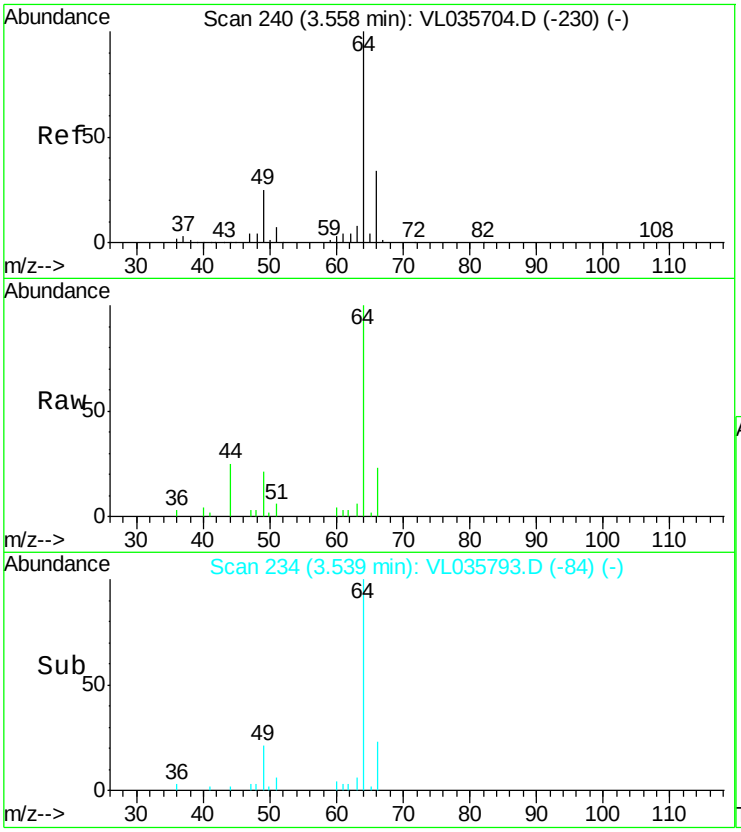


#6
Bromomethane
Concen: 0.403 ppbv
RT: 3.45 min Scan# 207
Delta R.T. -0.02 min
Lab File: VL035793.D
Acq: 19 Oct 2020 14:03

Tgt Ion: 94 Resp: 26387

Ion	Ratio	Lower	Upper
94	100		
96	82.9	76.3	114.5



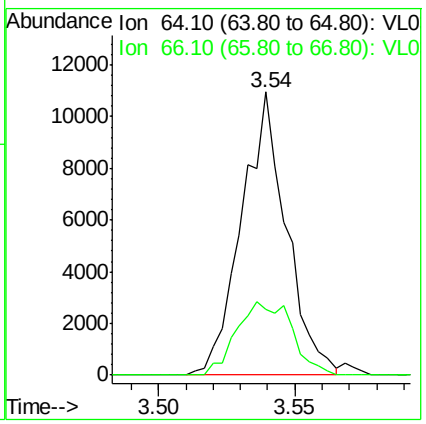


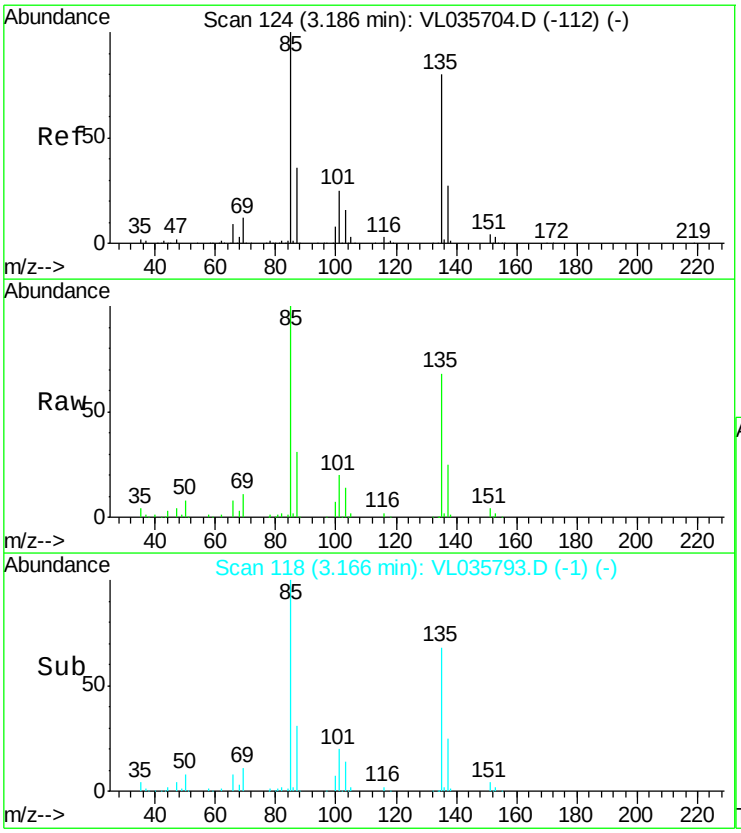
#7
Chloroethane
Concen: 0.439 ppbv
RT: 3.54 min Scan# 234
Delta R.T. -0.02 min
Lab File: VL035793.D
Acq: 19 Oct 2020 14:03

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

Tgt Ion: 64 Resp: 12480

Ion	Ratio	Lower	Upper
64	100		
66	23.1	26.9	40.3#

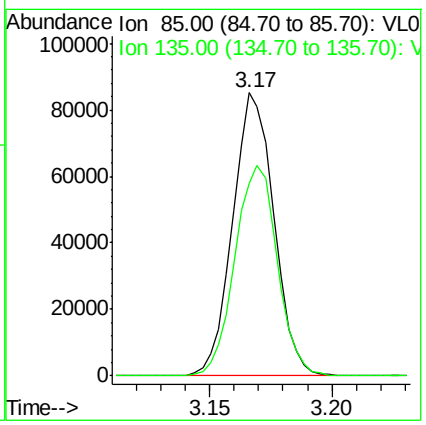


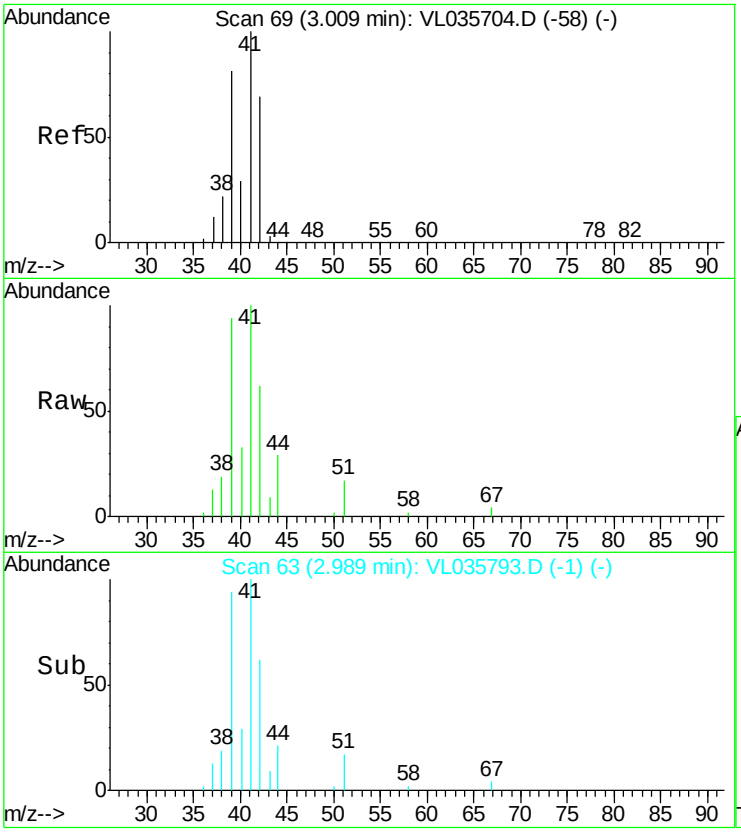


#8
Dichlorotetrafluoroethane
Concen: 0.442 ppbv
RT: 3.17 min Scan# 118
Delta R.T. -0.02 min
Lab File: VL035793.D
Acq: 19 Oct 2020 14:03

Tgt Ion: 85 Resp: 99607

Ion	Ratio	Lower	Upper
85	100		
135	76.5	64.3	96.5



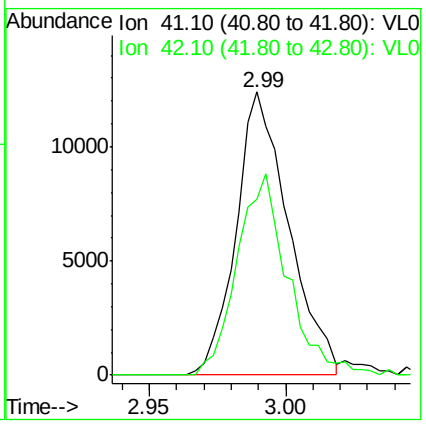


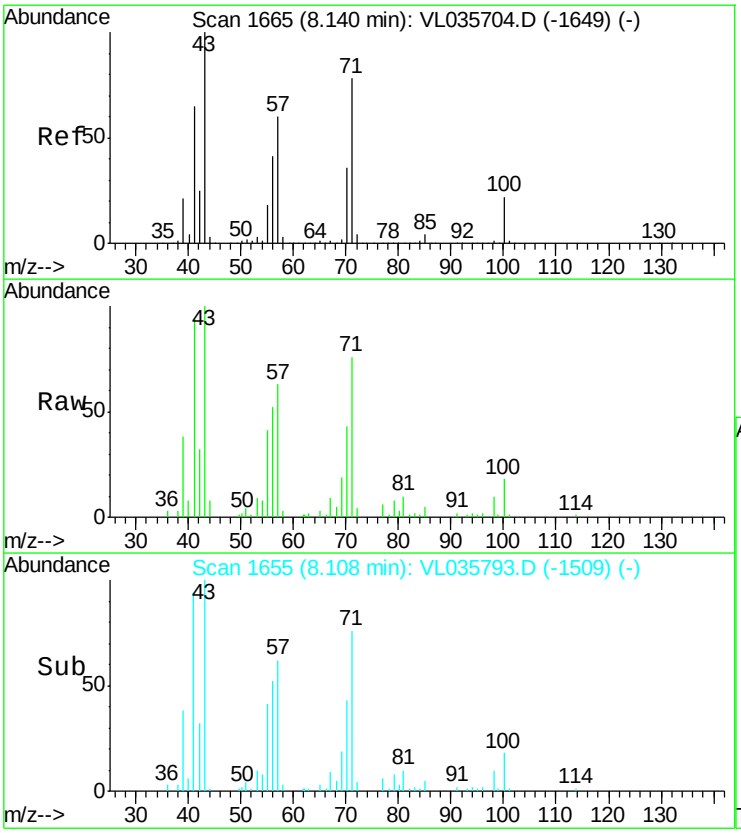
#9
Propene
Concen: 0.375 ppbv
RT: 2.99 min Scan# 63
Delta R.T. -0.02 min
Lab File: VL035793.D
Acq: 19 Oct 2020 14:03

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

Tgt Ion: 41 Resp: 16574

Ion	Ratio	Lower	Upper
41	100		
42	68.7	56.2	84.4

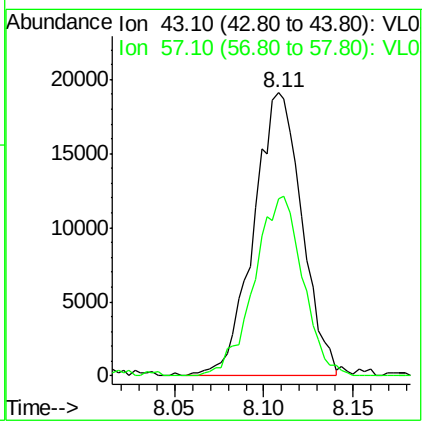


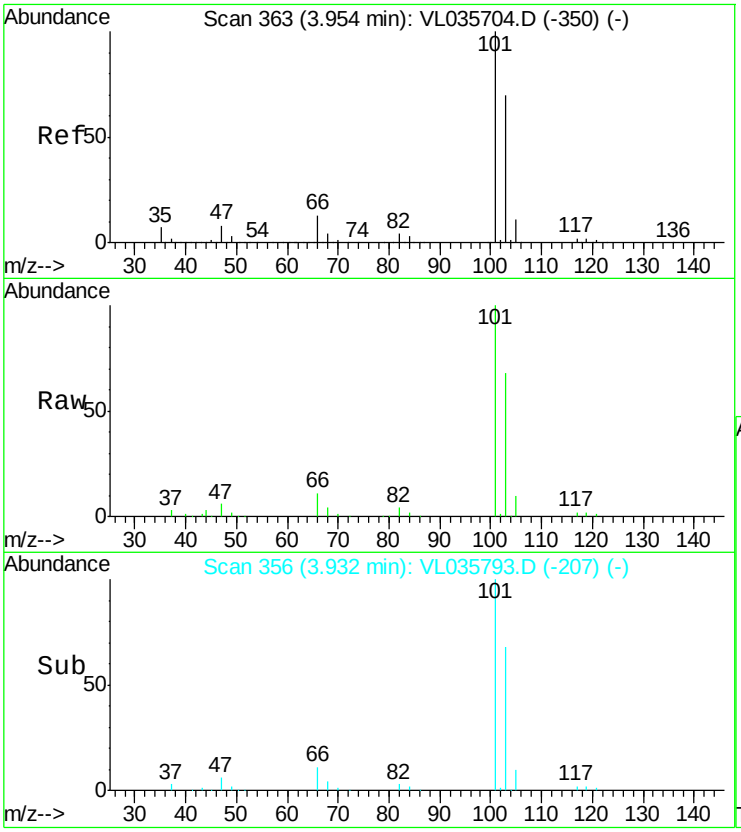


#10
Heptane
Concen: 0.293 ppbv
RT: 8.11 min Scan# 1655
Delta R.T. -0.03 min
Lab File: VL035793.D
Acq: 19 Oct 2020 14:03

Tgt Ion: 43 Resp: 36111

Ion	Ratio	Lower	Upper
43	100		
57	64.0	50.4	75.6



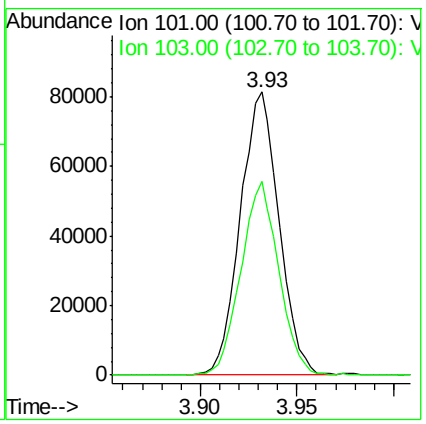


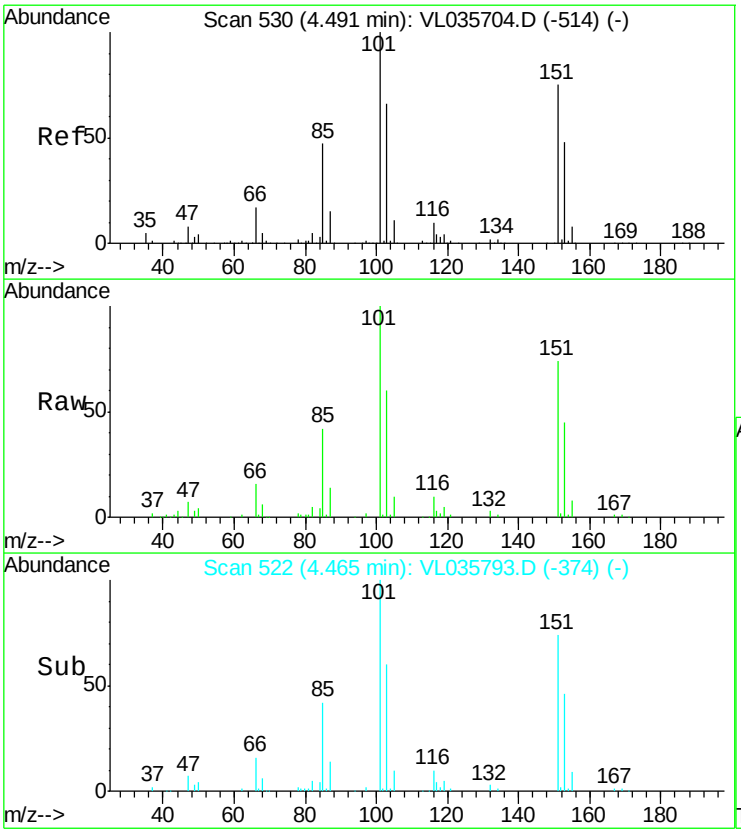
#11
Trichlorofluoromethane
Concen: 0.429 ppbv
RT: 3.93 min Scan# 356
Delta R.T. -0.02 min
Lab File: VL035793.D
Acq: 19 Oct 2020 14:03

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

Tgt Ion:101 Resp: 113700

Ion	Ratio	Lower	Upper
101	100		
103	68.4	55.6	83.4

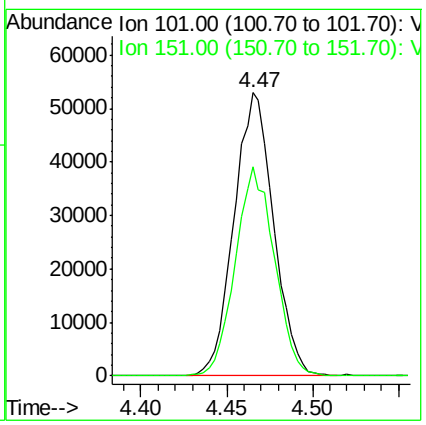


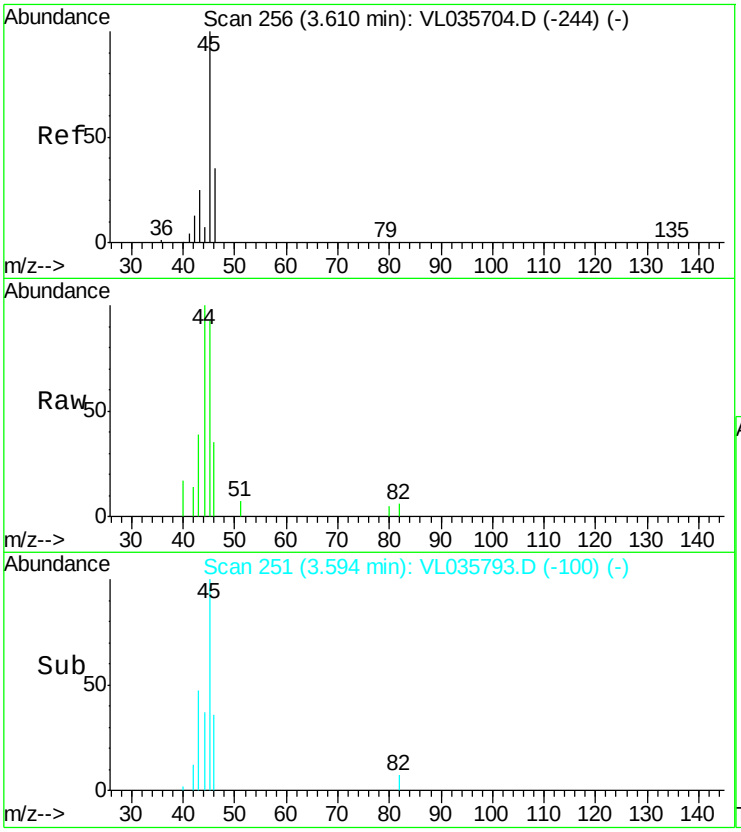


#12
1,1,2-Trichlorotrifluoroethane
Concen: 0.427 ppbv
RT: 4.47 min Scan# 522
Delta R.T. -0.03 min
Lab File: VL035793.D
Acq: 19 Oct 2020 14:03

Tgt Ion:101 Resp: 84436

Ion	Ratio	Lower	Upper
101	100		
151	72.8	59.1	88.7



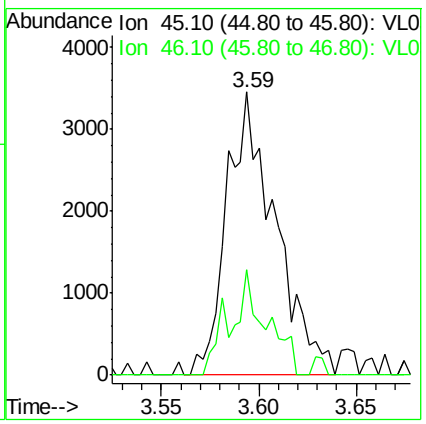


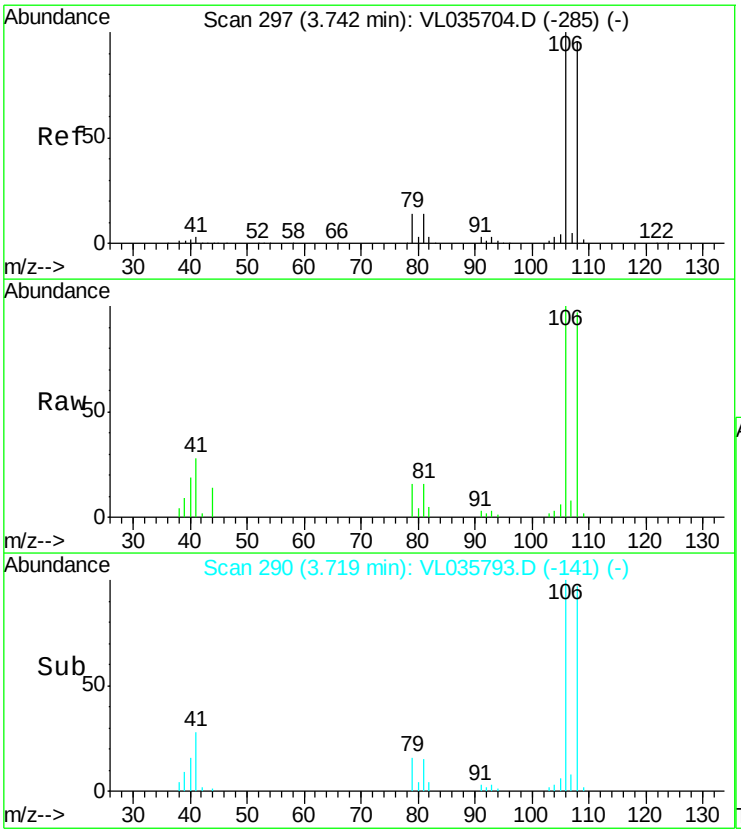
#13
Ethanol
Concen: 0.549 ppbv m
RT: 3.59 min Scan# 251
Delta R.T. -0.02 min
Lab File: VL035793.D
Acq: 19 Oct 2020 14:03

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

Tgt Ion: 45 Resp: 5989

Ion	Ratio	Lower	Upper
45	100		
46	0.0	14.7	58.7#

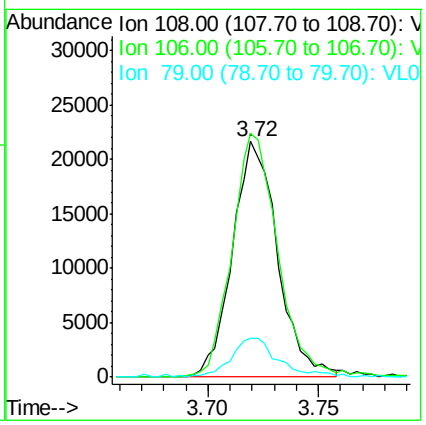


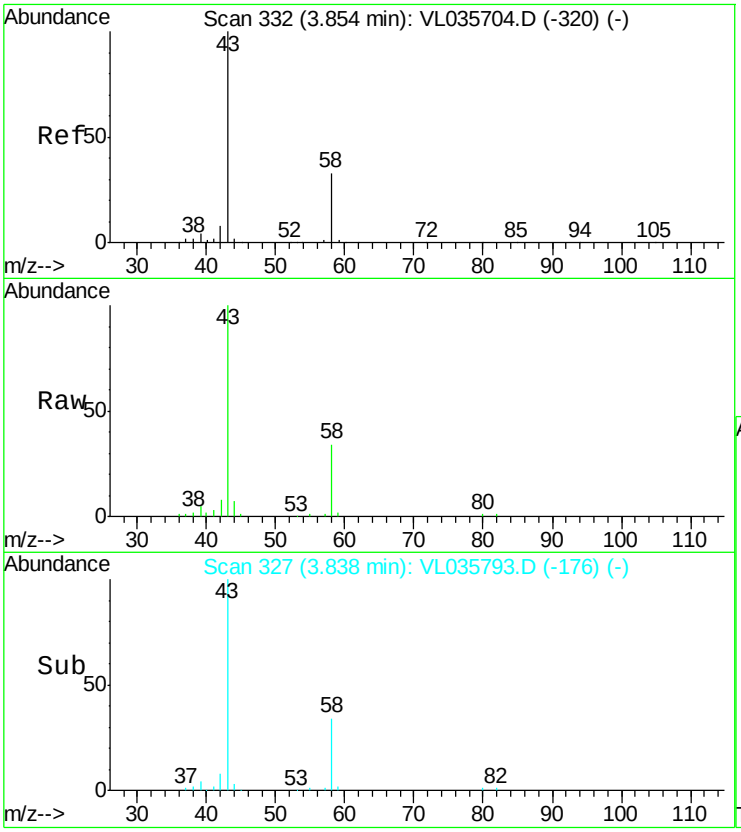


#14
Bromoethene
Concen: 0.370 ppbv
RT: 3.72 min Scan# 290
Delta R.T. -0.02 min
Lab File: VL035793.D
Acq: 19 Oct 2020 14:03

Tgt Ion:108 Resp: 30812

Ion	Ratio	Lower	Upper
108	100		
106	105.9	84.6	126.8
79	17.8	11.6	17.4#



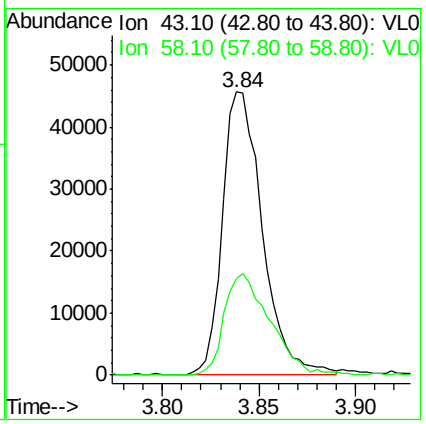


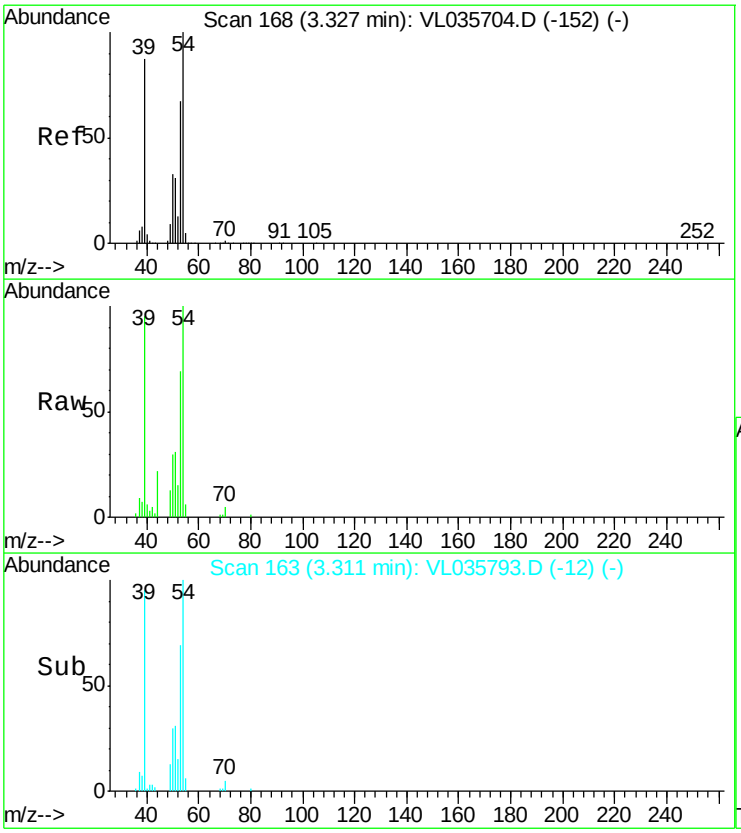
#15
Acetone
Concen: 0.539 ppbv
RT: 3.84 min Scan# 327
Delta R.T. -0.02 min
Lab File: VL035793.D
Acq: 19 Oct 2020 14:03

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

Tgt Ion: 43 Resp: 65682

Ion	Ratio	Lower	Upper
43	100		
58	41.6	27.3	40.9#

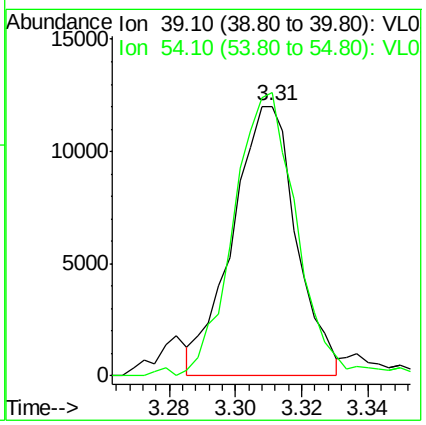


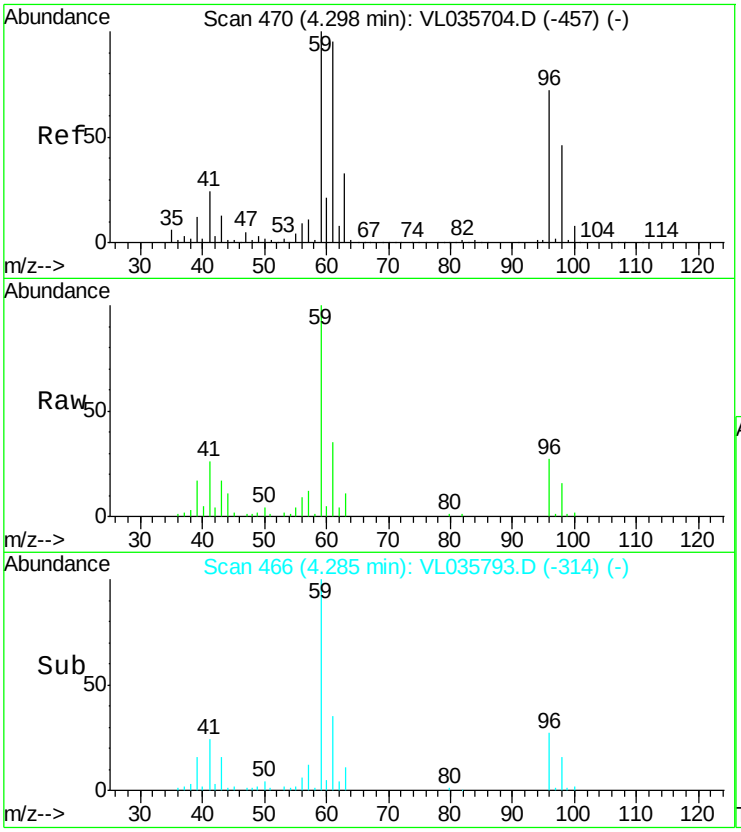


#16
1,3-Butadiene
Concen: 0.361 ppbv
RT: 3.31 min Scan# 163
Delta R.T. -0.02 min
Lab File: VL035793.D
Acq: 19 Oct 2020 14:03

Tgt Ion: 39 Resp: 16093

Ion	Ratio	Lower	Upper
39	100		
54	105.7	87.4	131.0



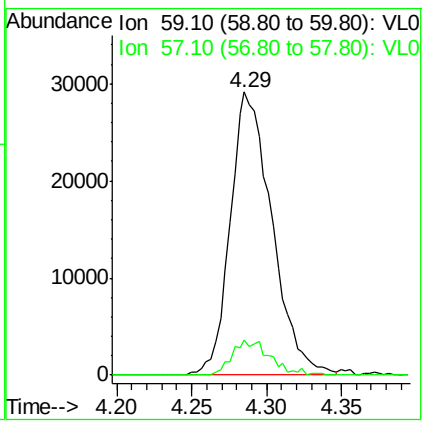


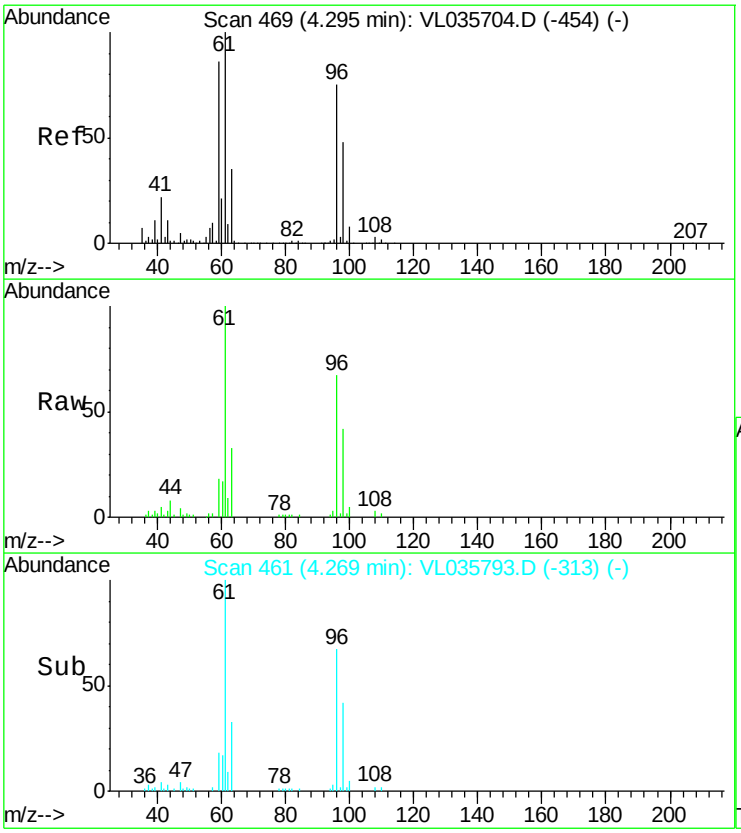
#17
tert-Butyl alcohol
Concen: 0.425 ppbv
RT: 4.29 min Scan# 466
Delta R.T. -0.01 min
Lab File: VL035793.D
Acq: 19 Oct 2020 14:03

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

Tgt Ion: 59 Resp: 56413

Ion	Ratio	Lower	Upper
59	100		
57	11.3	8.5	12.7

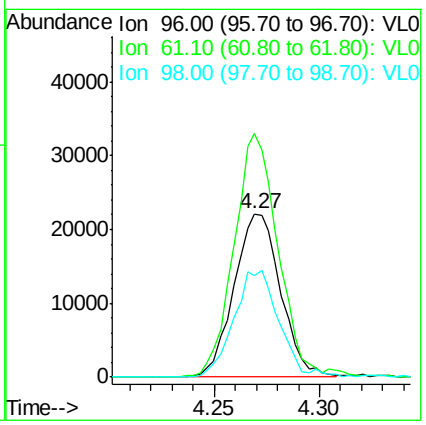


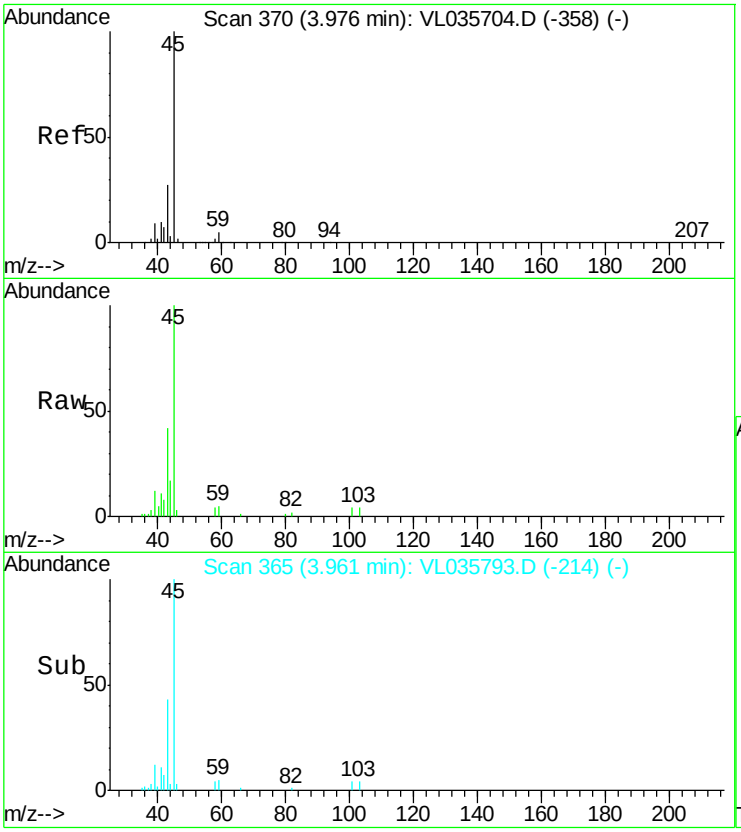


#18
1,1-Dichloroethene
Concen: 0.391 ppbv
RT: 4.27 min Scan# 461
Delta R.T. -0.03 min
Lab File: VL035793.D
Acq: 19 Oct 2020 14:03

Tgt Ion: 96 Resp: 33875

Ion	Ratio	Lower	Upper
96	100		
61	148.0	106.7	160.1
98	62.4	50.8	76.2



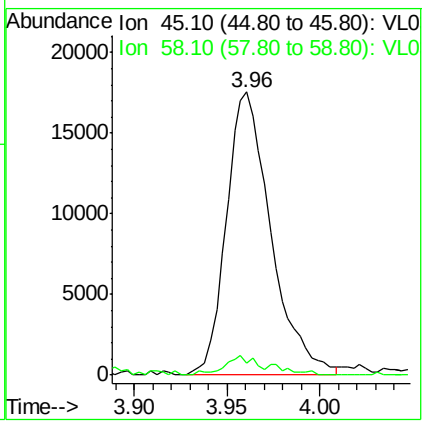


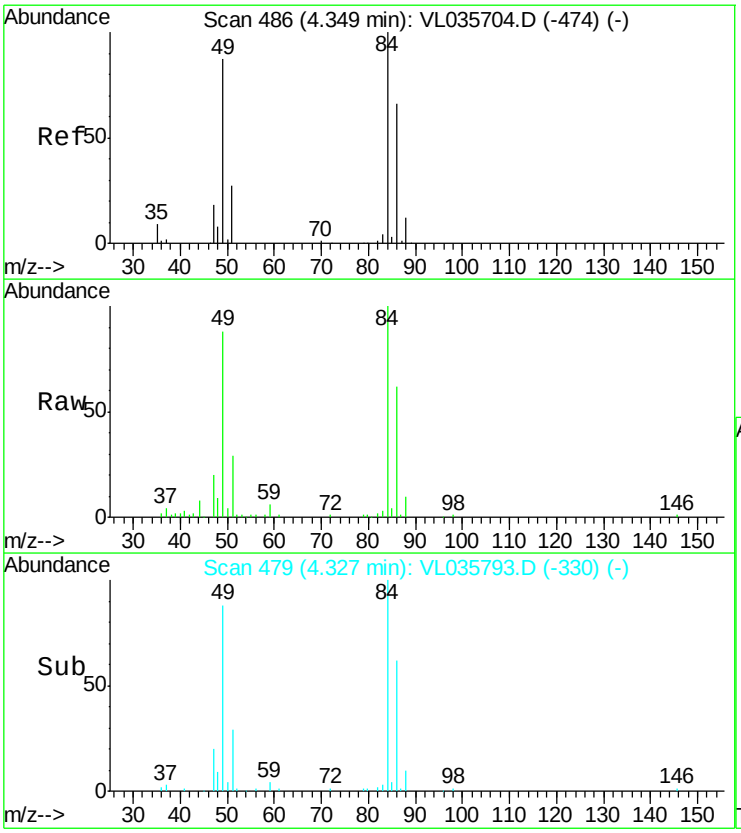
#19
Isopropyl Alcohol
Concen: 0.443 ppbv
RT: 3.96 min Scan# 365
Delta R.T. -0.02 min
Lab File: VL035793.D
Acq: 19 Oct 2020 14:03

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

Tgt Ion: 45 Resp: 29371

Ion	Ratio	Lower	Upper
45	100		
58	6.5	2.8	4.2#

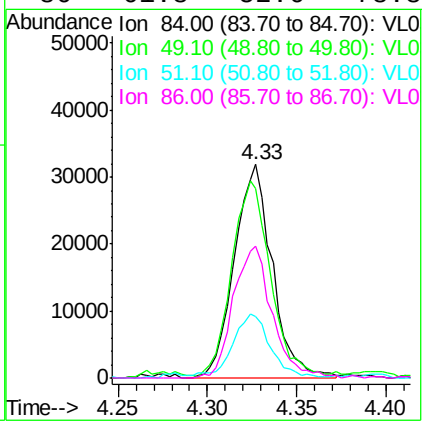


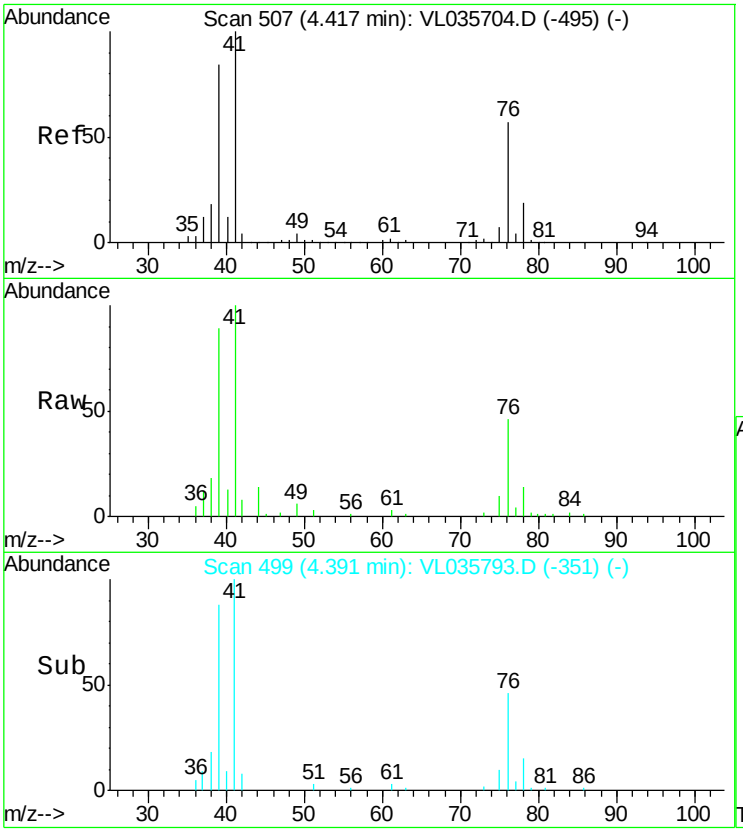


#20
Methylene Chloride
Concen: 0.526 ppbv
RT: 4.33 min Scan# 479
Delta R.T. -0.02 min
Lab File: VL035793.D
Acq: 19 Oct 2020 14:03

Tgt Ion: 84 Resp: 47121

Ion	Ratio	Lower	Upper
84	100		
49	87.2	69.8	104.6
51	27.5	21.8	32.8
86	61.8	52.6	78.8



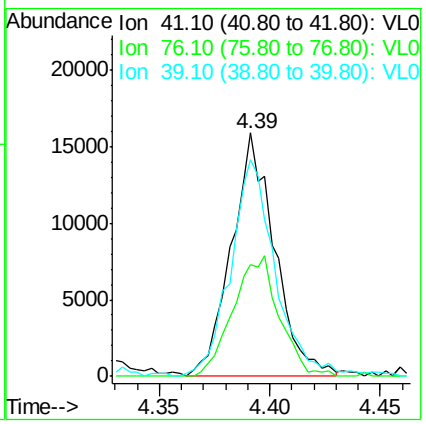


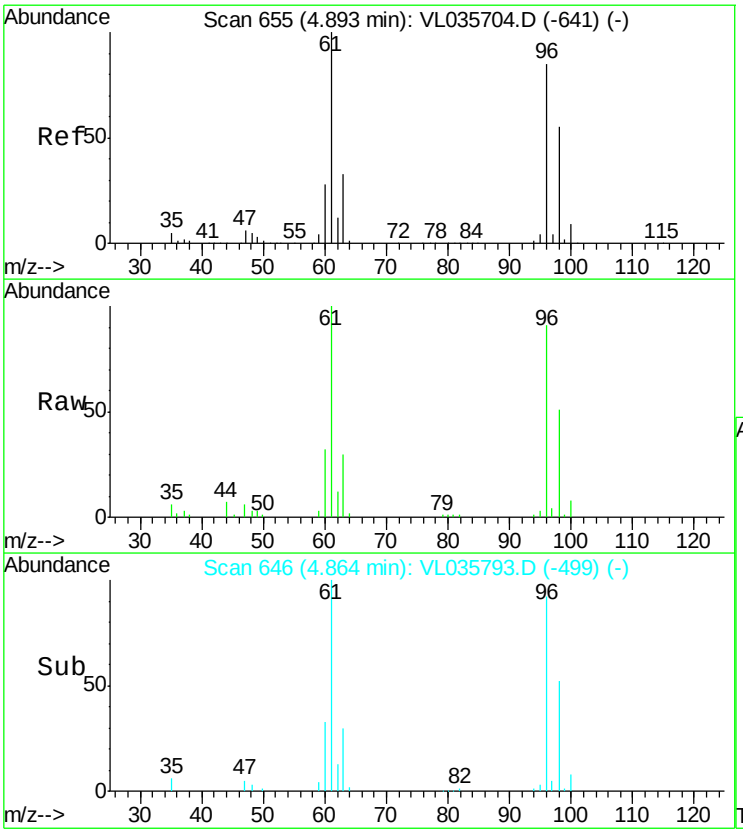
#21
Allyl Chloride
Concen: 0.367 ppbv
RT: 4.39 min Scan# 499
Delta R.T. -0.03 min
Lab File: VL035793.D
Acq: 19 Oct 2020 14:03

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

Tgt Ion: 41 Resp: 21689

Ion	Ratio	Lower	Upper
41	100		
76	53.0	44.8	67.2
39	93.0	68.4	102.6

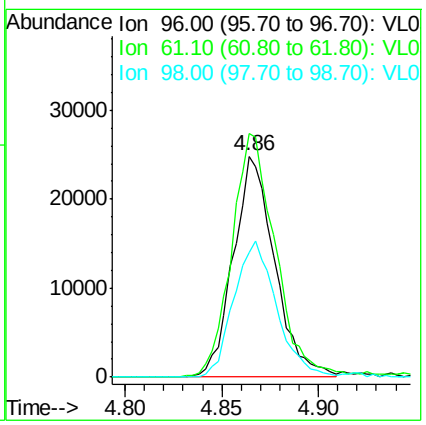


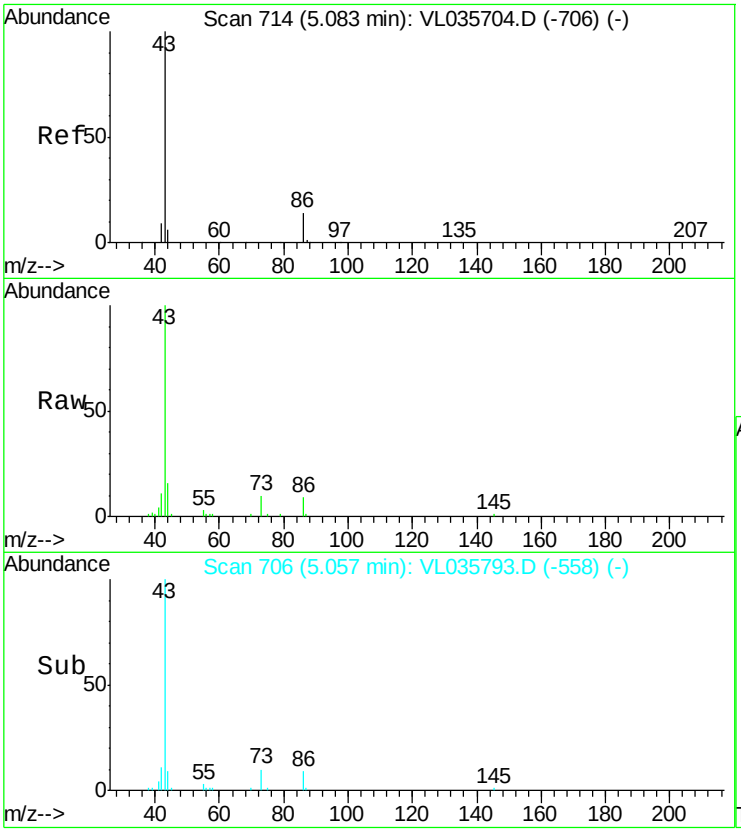


#22
trans-1,2-Dichloroethene
Concen: 0.403 ppbv
RT: 4.86 min Scan# 646
Delta R.T. -0.03 min
Lab File: VL035793.D
Acq: 19 Oct 2020 14:03

Tgt Ion: 96 Resp: 36902

Ion	Ratio	Lower	Upper
96	100		
61	109.4	93.7	140.5
98	56.6	51.2	76.8



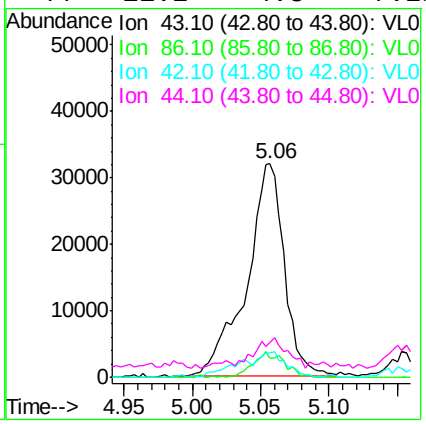


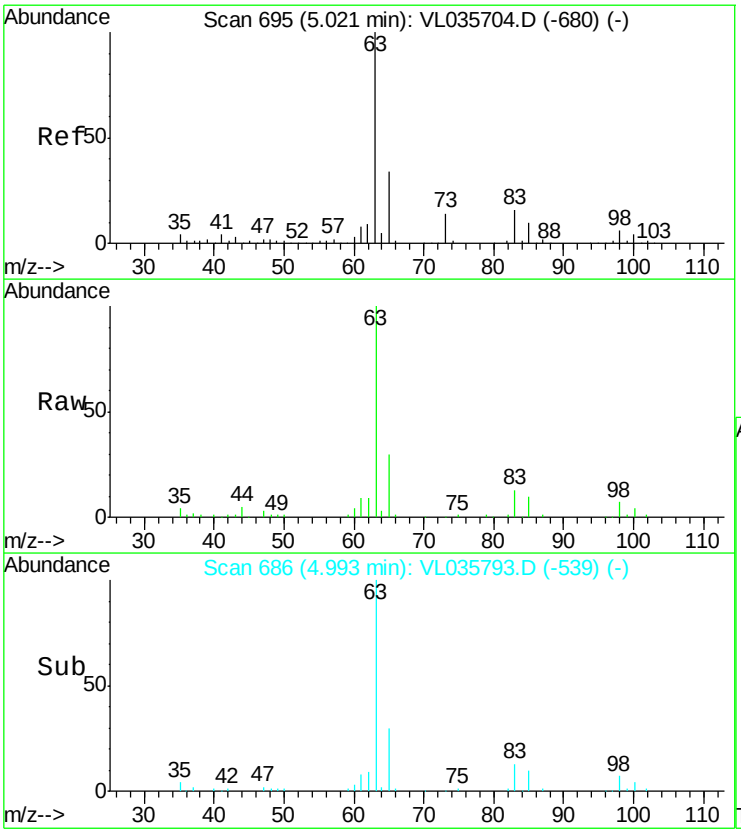
#23
Vinyl Acetate
Concen: 0.411 ppbv
RT: 5.06 min Scan# 706
Delta R.T. -0.03 min
Lab File: VL035793.D
Acq: 19 Oct 2020 14:03

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

Tgt Ion: 43 Resp: 61379

Ion	Ratio	Lower	Upper
43	100		
86	8.9	9.7	14.5#
42	11.2	7.9	11.9
44	11.2	4.8	7.2#

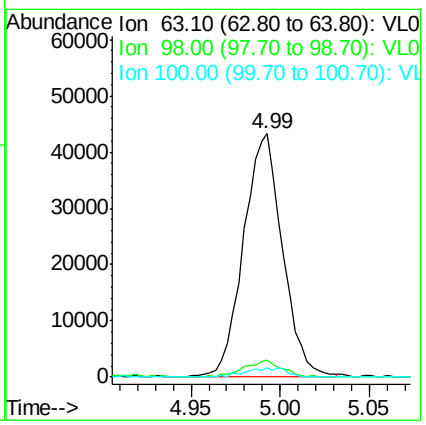


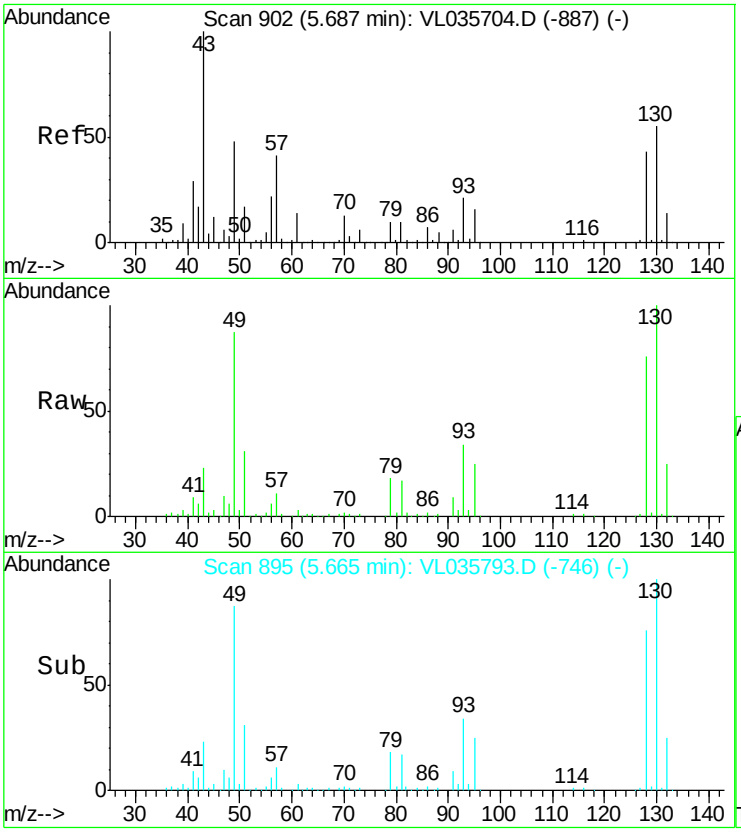


#24
1,1-Dichloroethane
Concen: 0.407 ppbv
RT: 4.99 min Scan# 686
Delta R.T. -0.03 min
Lab File: VL035793.D
Acq: 19 Oct 2020 14:03

Tgt Ion: 63 Resp: 66198

Ion	Ratio	Lower	Upper
63	100		
98	7.1	3.3	9.8
100	3.6	2.0	5.8



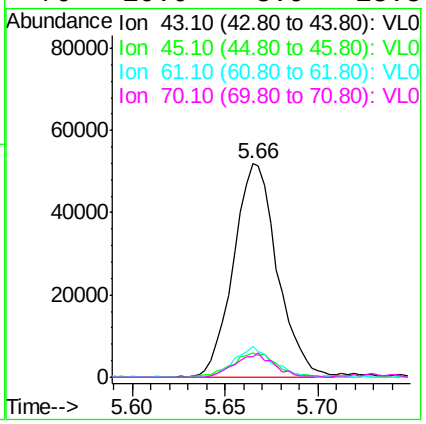


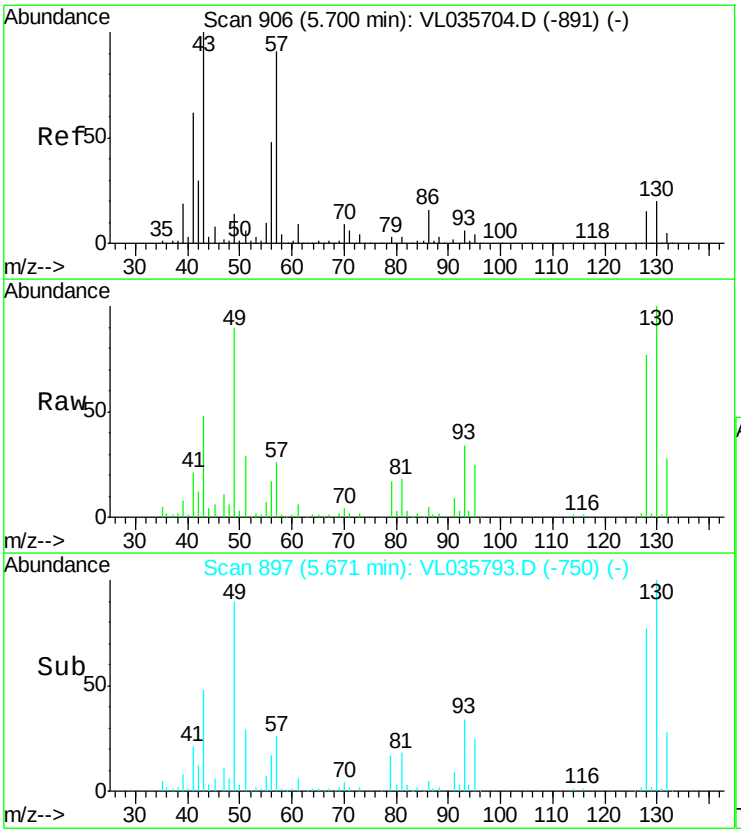
#25
Ethyl Acetate
Concen: 0.388 ppbv
RT: 5.66 min Scan# 895
Delta R.T. -0.02 min
Lab File: VL035793.D
Acq: 19 Oct 2020 14:03

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

Tgt Ion: 43 Resp: 85216

Ion	Ratio	Lower	Upper
43	100		
45	11.8	8.6	12.8
61	12.5	10.4	15.6
70	10.0	8.9	13.3

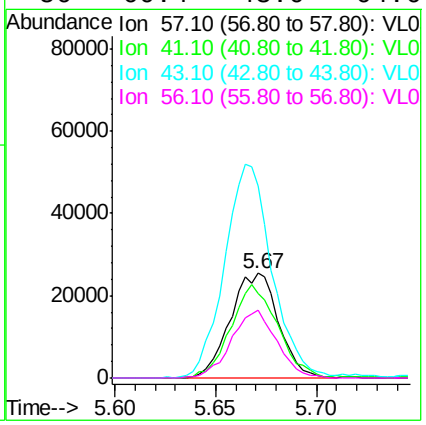


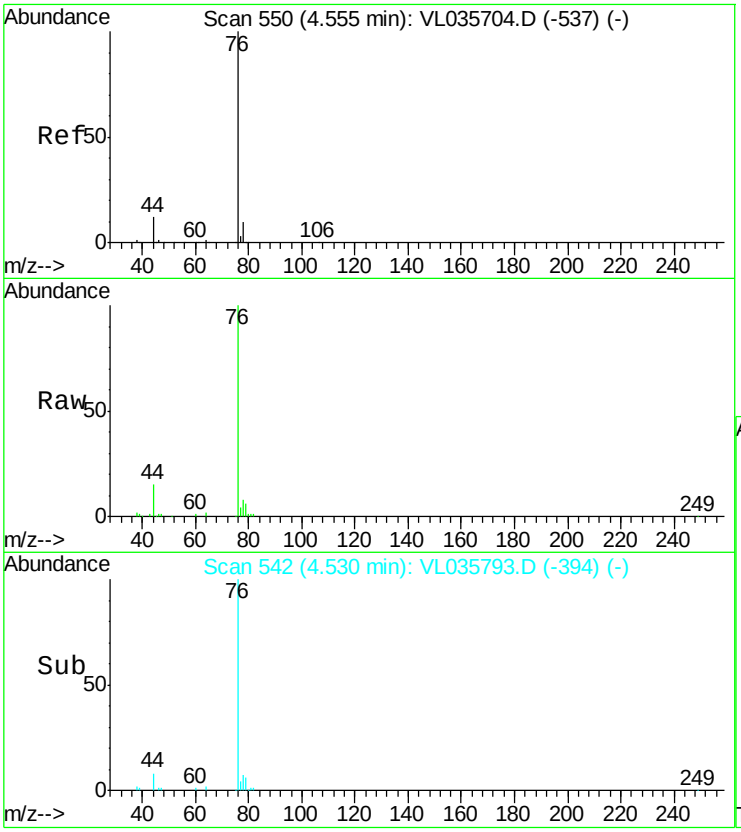


#26
Hexane
Concen: 0.355 ppbv
RT: 5.67 min Scan# 897
Delta R.T. -0.03 min
Lab File: VL035793.D
Acq: 19 Oct 2020 14:03

Tgt Ion: 57 Resp: 42708

Ion	Ratio	Lower	Upper
57	100		
41	88.4	57.9	86.9#
43	203.4	143.8	215.6
56	60.4	43.0	64.6



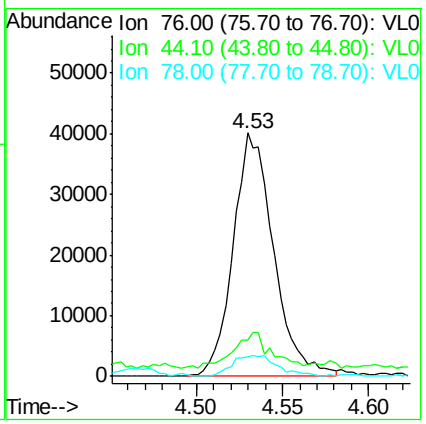


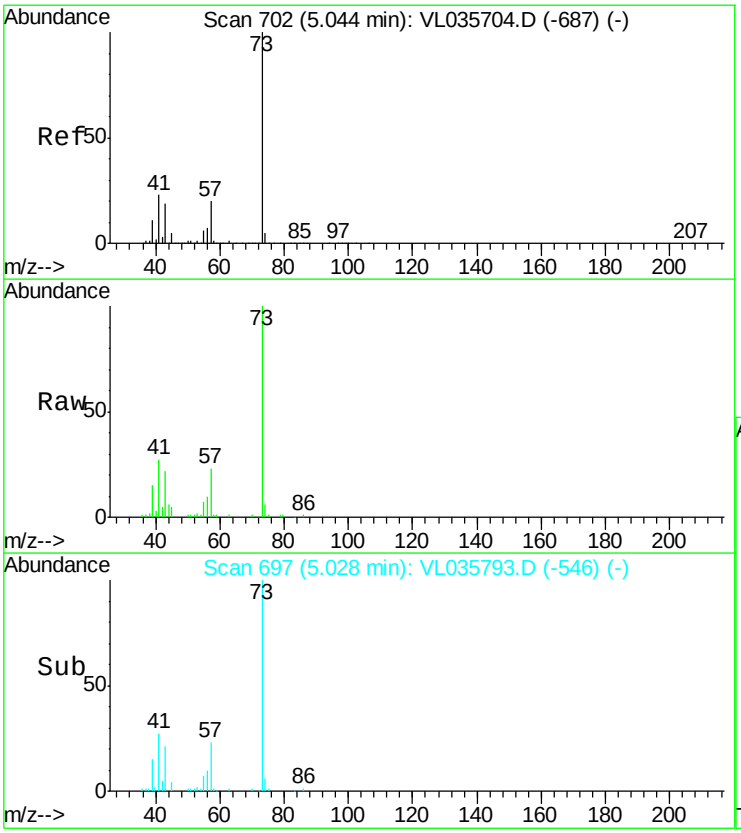
#27
Carbon Disulfide
Concen: 0.366 ppbv
RT: 4.53 min Scan# 542
Delta R.T. -0.03 min
Lab File: VL035793.D
Acq: 19 Oct 2020 14:03

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

Tgt Ion: 76 Resp: 65634

Ion	Ratio	Lower	Upper
76	100		
44	14.6	9.7	14.5#
78	9.8	7.8	11.8

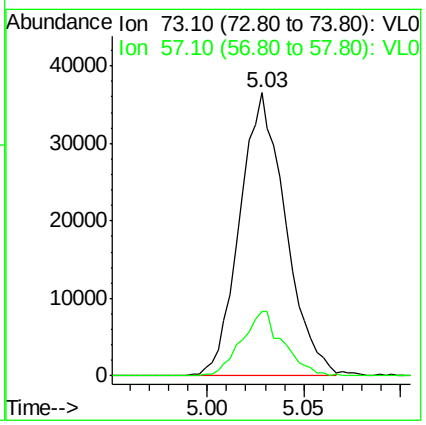


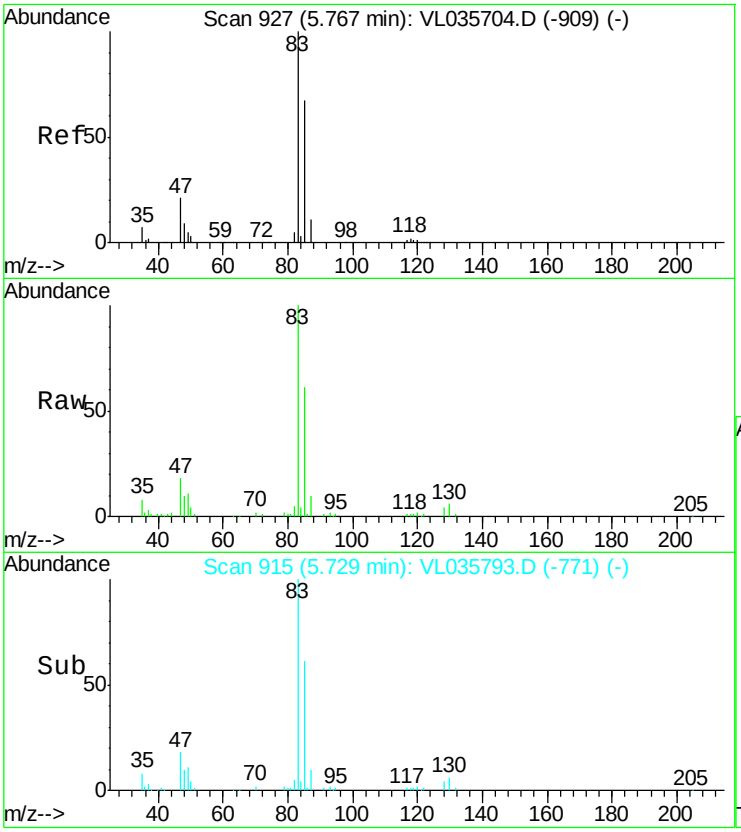


#28
Methyl tert-Butyl Ether
Concen: 0.317 ppbv
RT: 5.03 min Scan# 697
Delta R.T. -0.02 min
Lab File: VL035793.D
Acq: 19 Oct 2020 14:03

Tgt Ion: 73 Resp: 60352

Ion	Ratio	Lower	Upper
73	100		
57	20.9	15.6	23.4



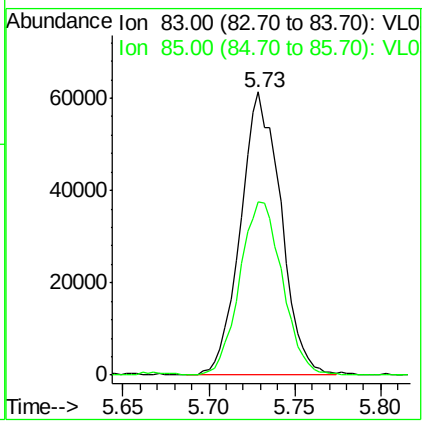


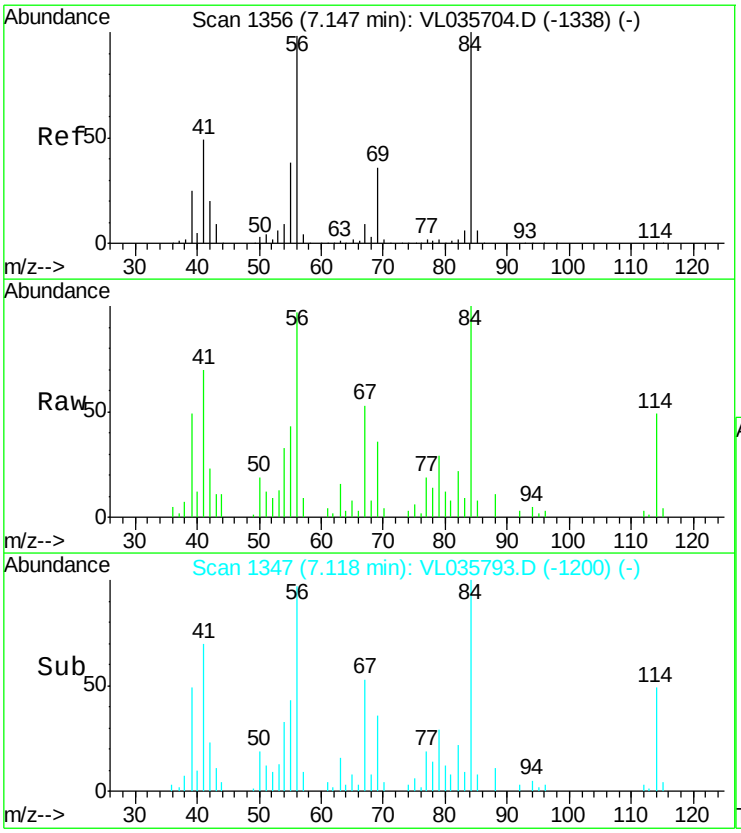
#29
Chloroform
Concen: 0.409 ppbv
RT: 5.73 min Scan# 915
Delta R.T. -0.04 min
Lab File: VL035793.D
Acq: 19 Oct 2020 14:03

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

Tgt Ion: 83 Resp: 99931

Ion	Ratio	Lower	Upper
83	100		
85	61.1	54.0	81.0

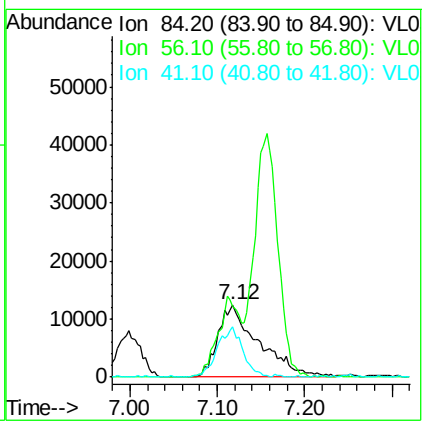


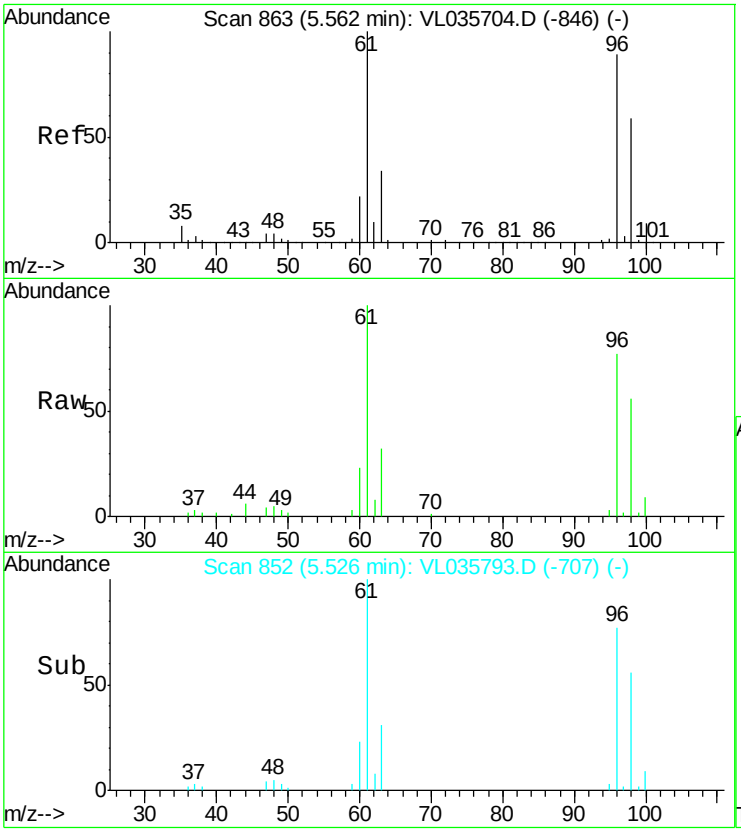


#30
Cyclohexane
Concen: 0.340 ppbv m
RT: 7.12 min Scan# 1347
Delta R.T. -0.03 min
Lab File: VL035793.D
Acq: 19 Oct 2020 14:03

Tgt Ion: 84 Resp: 40382

Ion	Ratio	Lower	Upper
84	100		
56	0.0	84.6	127.0#
41	0.0	41.1	61.7#



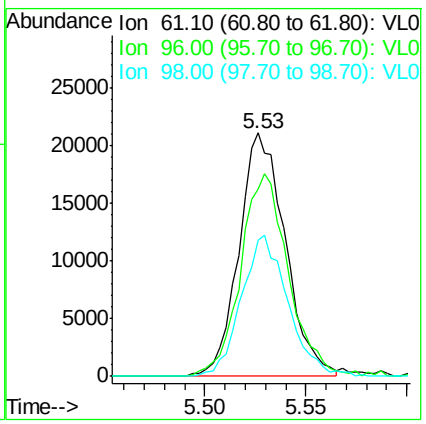


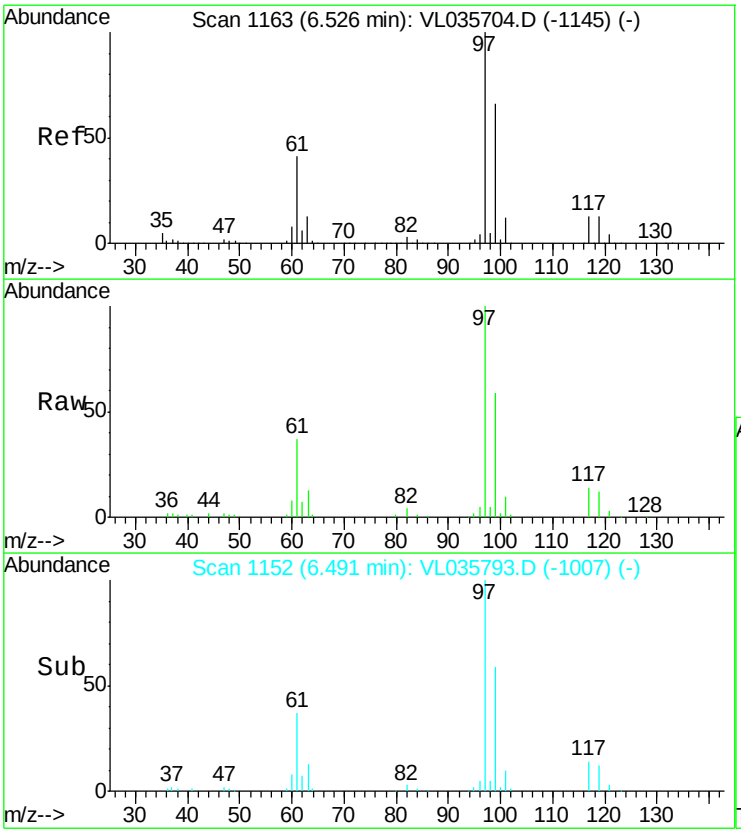
#31
cis-1,2-Dichloroethene
Concen: 0.291 ppbv
RT: 5.53 min Scan# 852
Delta R.T. -0.04 min
Lab File: VL035793.D
Acq: 19 Oct 2020 14:03

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

Tgt Ion: 61 Resp: 33816

Ion	Ratio	Lower	Upper
61	100		
96	77.1	71.4	107.2
98	56.0	47.4	71.2

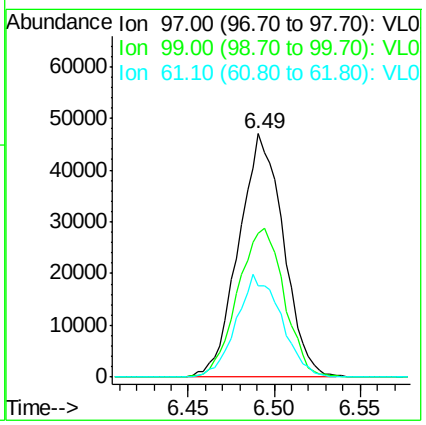


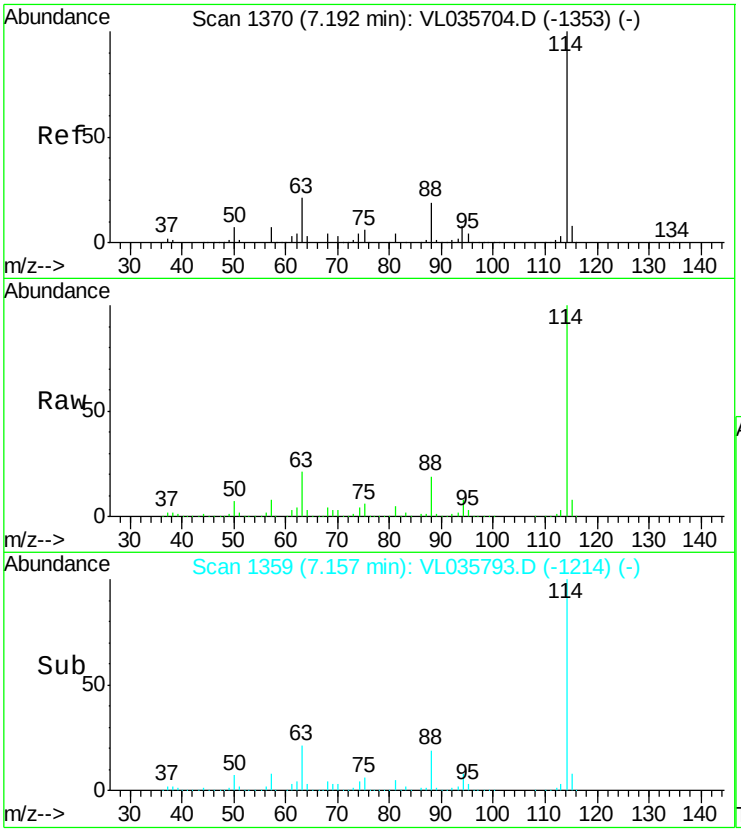


#32
1,1,1-Trichloroethane
Concen: 0.393 ppbv
RT: 6.49 min Scan# 1152
Delta R.T. -0.04 min
Lab File: VL035793.D
Acq: 19 Oct 2020 14:03

Tgt Ion: 97 Resp: 84524

Ion	Ratio	Lower	Upper
97	100		
99	63.8	52.7	79.1
61	42.2	32.7	49.1



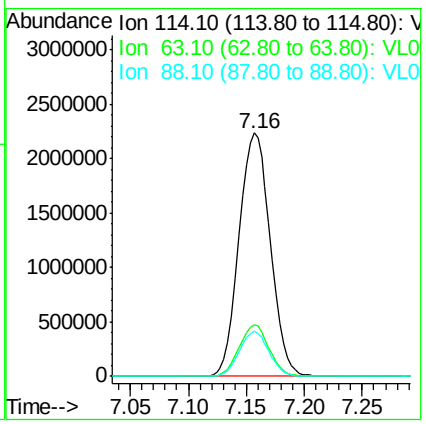


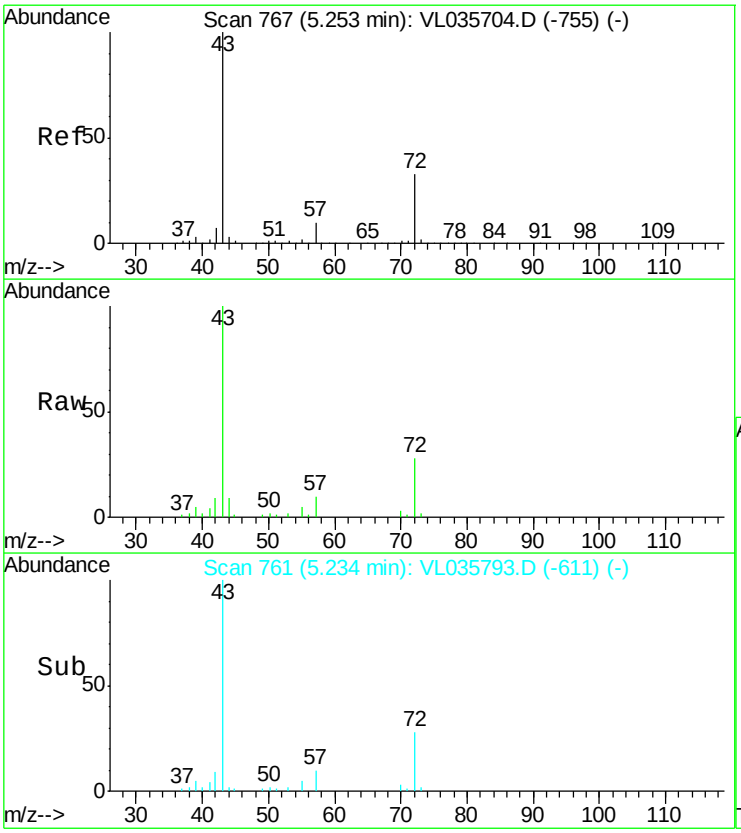
#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 7.16 min Scan# 1359
Delta R.T. -0.04 min
Lab File: VL035793.D
Acq: 19 Oct 2020 14:03

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

Tgt Ion:114 Resp: 4199846

Ion	Ratio	Lower	Upper
114	100		
63	20.3	16.1	24.1
88	17.6	14.1	21.1

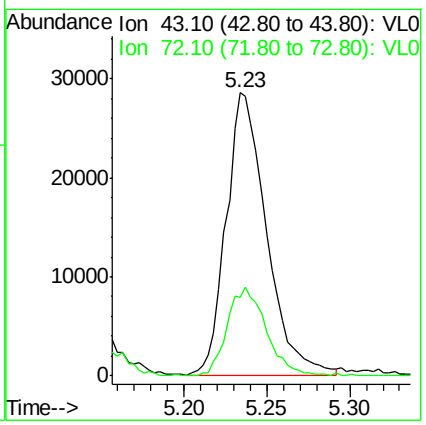


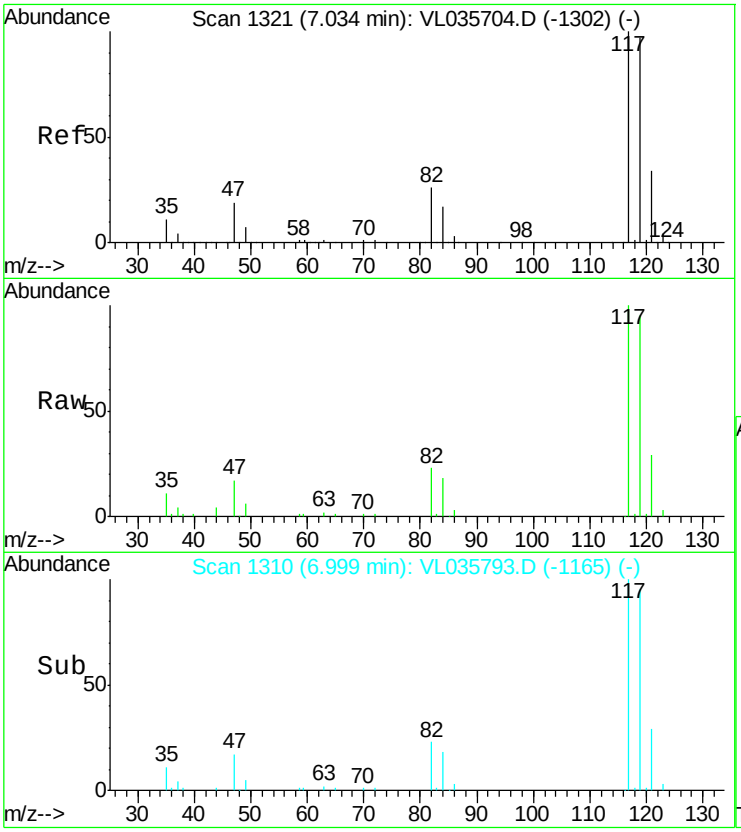


#34
2-Butanone
Concen: 0.351 ppbv
RT: 5.23 min Scan# 761
Delta R.T. -0.02 min
Lab File: VL035793.D
Acq: 19 Oct 2020 14:03

Tgt Ion: 43 Resp: 48724

Ion	Ratio	Lower	Upper
43	100		
72	30.0	26.1	39.1



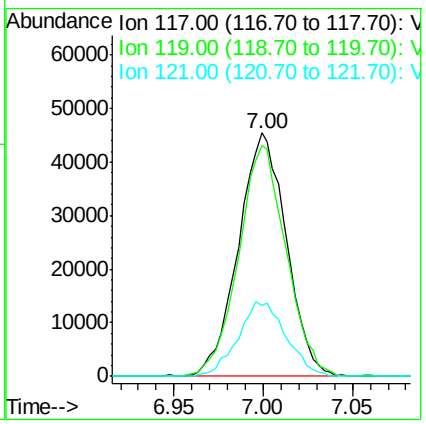


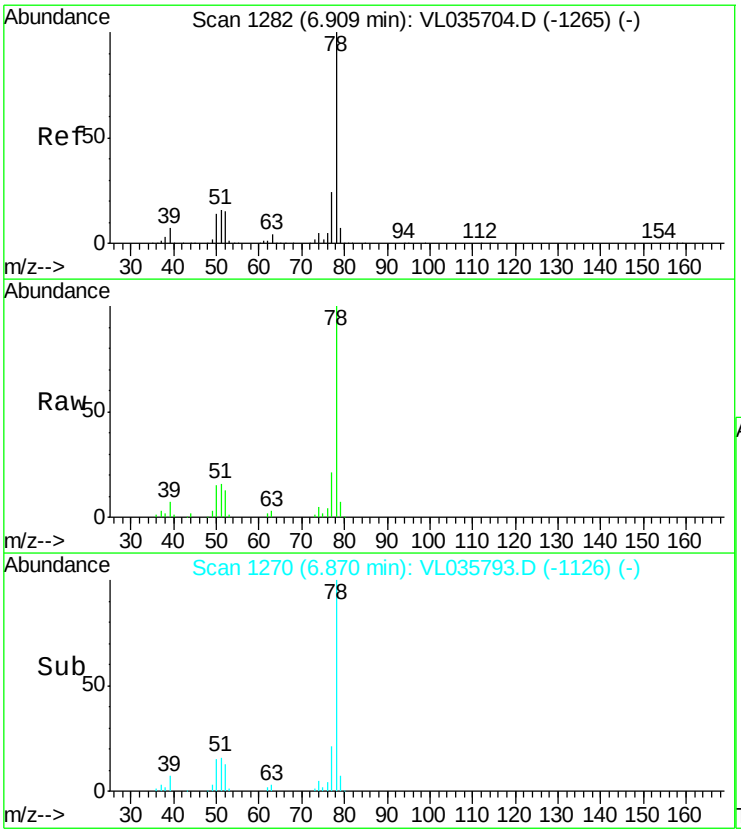
#35
Carbon Tetrachloride
Concen: 0.389 ppbv
RT: 7.00 min Scan# 1310
Delta R.T. -0.04 min
Lab File: VL035793.D
Acq: 19 Oct 2020 14:03

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

Tgt Ion:117 Resp: 85274

Ion	Ratio	Lower	Upper
117	100		
119	94.5	77.7	116.5
121	29.3	26.9	40.3

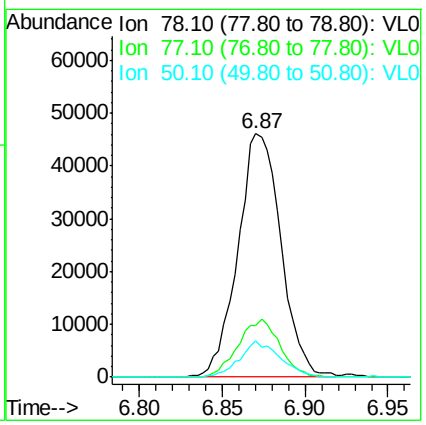


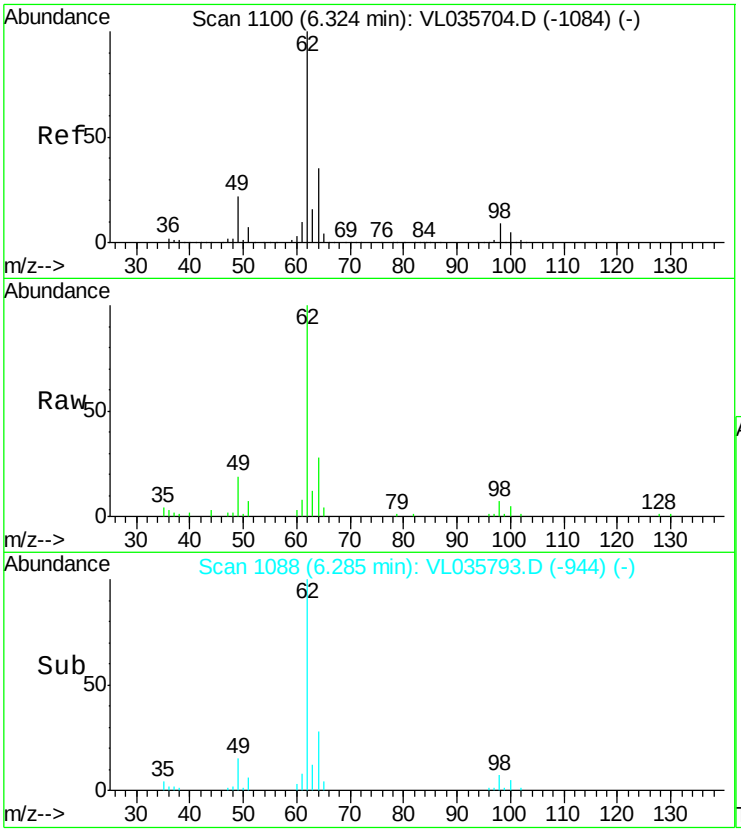


#36
Benzene
Concen: 0.305 ppbv
RT: 6.87 min Scan# 1270
Delta R.T. -0.04 min
Lab File: VL035793.D
Acq: 19 Oct 2020 14:03

Tgt Ion: 78 Resp: 83458

Ion	Ratio	Lower	Upper
78	100		
77	21.0	19.3	28.9
50	14.9	11.6	17.4



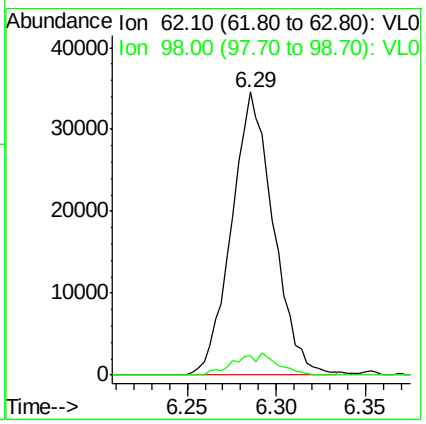


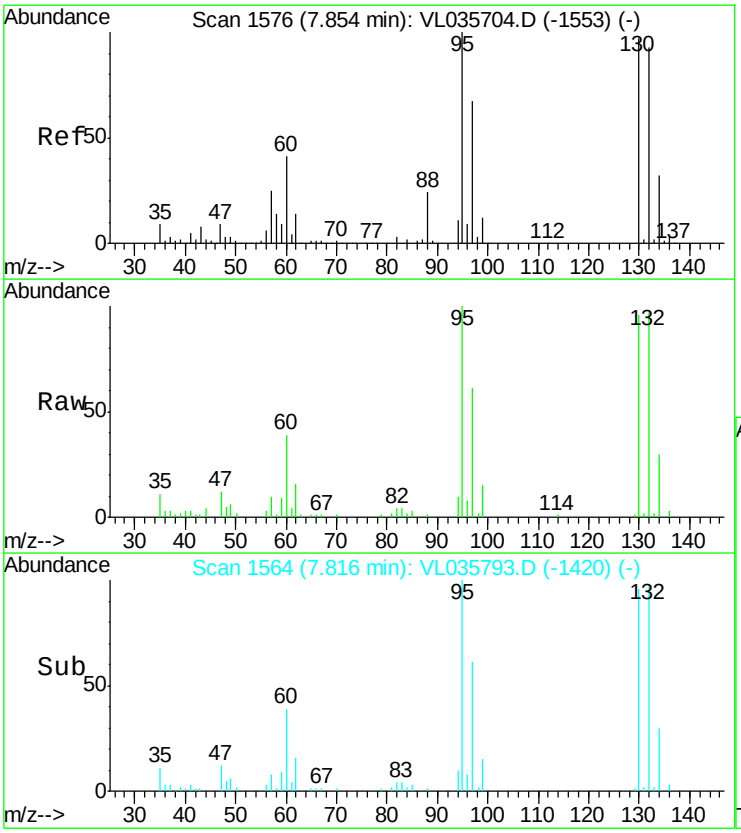
#37
1,2-Dichloroethane
Concen: 0.398 ppbv
RT: 6.29 min Scan# 1088
Delta R.T. -0.04 min
Lab File: VL035793.D
Acq: 19 Oct 2020 14:03

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

Tgt Ion: 62 Resp: 56730

Ion	Ratio	Lower	Upper
62	100		
98	7.8	6.9	10.3

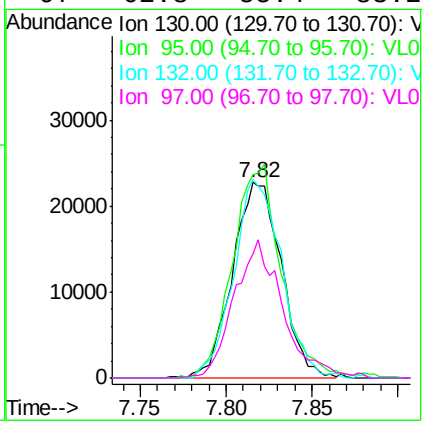


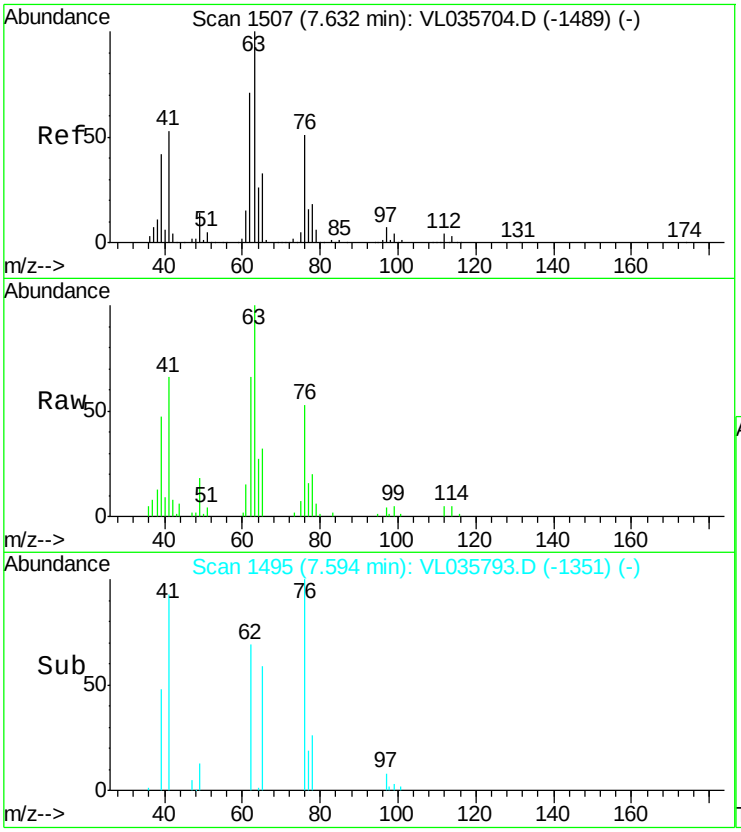


#38
Trichloroethene
Concen: 0.327 ppbv
RT: 7.82 min Scan# 1564
Delta R.T. -0.04 min
Lab File: VL035793.D
Acq: 19 Oct 2020 14:03

Tgt Ion:130 Resp: 44678

Ion	Ratio	Lower	Upper
130	100		
95	104.1	82.4	123.6
132	101.3	76.8	115.2
97	62.8	55.4	83.2



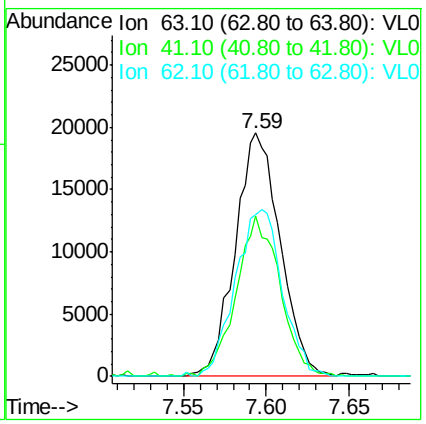


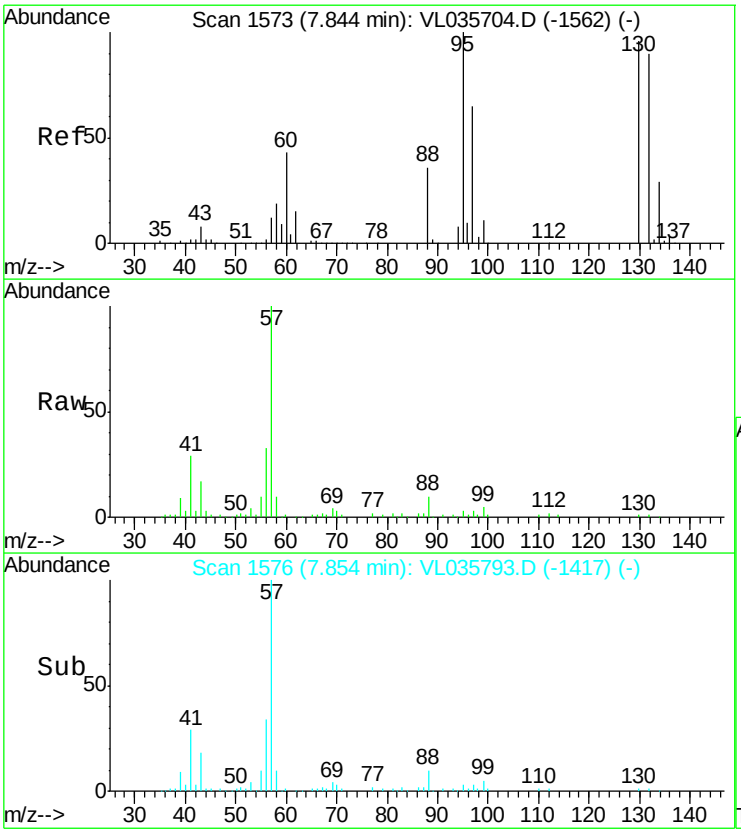
#39
1,2-Dichloropropane
Concen: 0.370 ppbv
RT: 7.59 min Scan# 1495
Delta R.T. -0.04 min
Lab File: VL035793.D
Acq: 19 Oct 2020 14:03

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

Tgt Ion: 63 Resp: 36744

Ion	Ratio	Lower	Upper
63	100		
41	66.1	42.6	63.8#
62	66.2	56.5	84.7

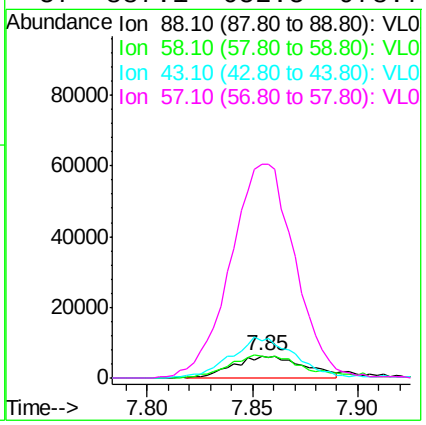


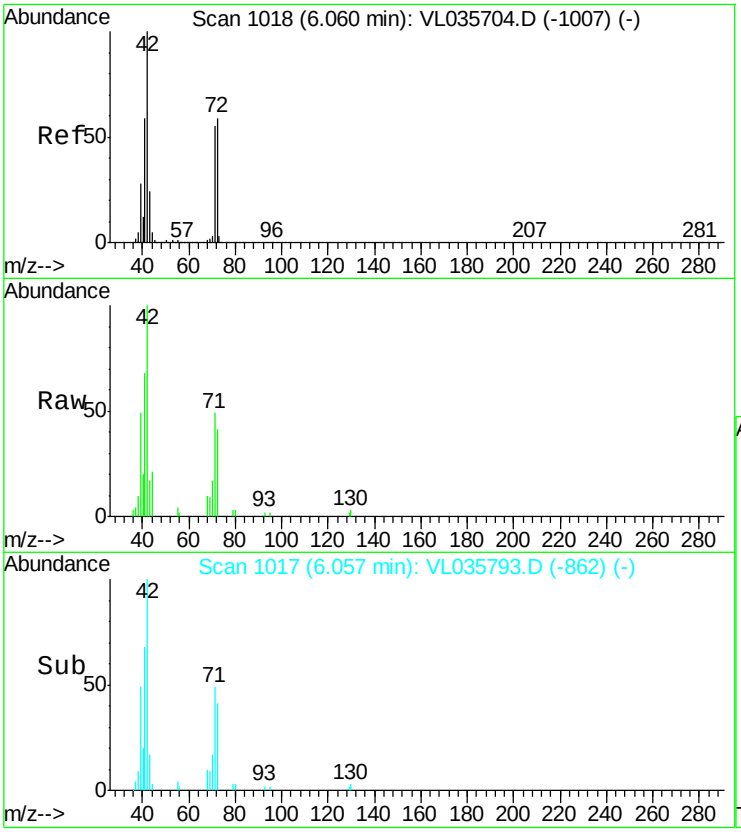


#40
1,4-Dioxane
Concen: 0.322 ppbv
RT: 7.85 min Scan# 1576
Delta R.T. 0.01 min
Lab File: VL035793.D
Acq: 19 Oct 2020 14:03

Tgt Ion: 88 Resp: 14597

Ion	Ratio	Lower	Upper
88	100		
58	113.7	76.2	114.4
43	173.0	123.4	185.2
57	887.1	652.5	978.7



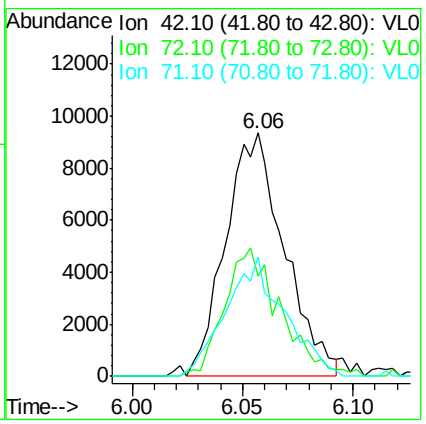


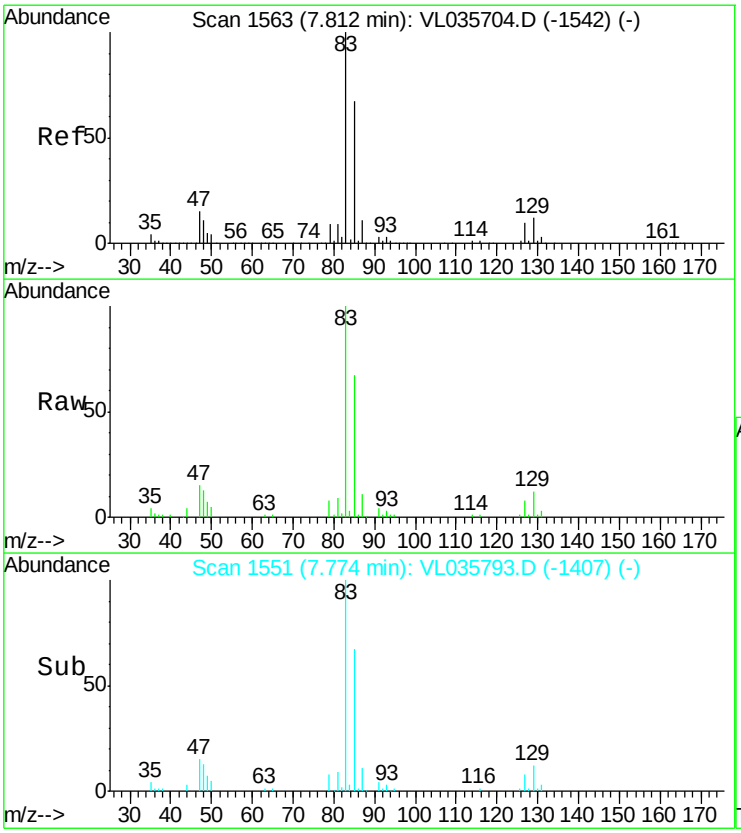
#41
Tetrahydrofuran
Concen: 0.247 ppbv
RT: 6.06 min Scan# 1017
Delta R.T. -0.00 min
Lab File: VL035793.D
Acq: 19 Oct 2020 14:03

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

Tgt Ion: 42 Resp: 17306

Ion	Ratio	Lower	Upper
42	100		
72	50.5	46.2	69.4
71	48.7	44.2	66.4

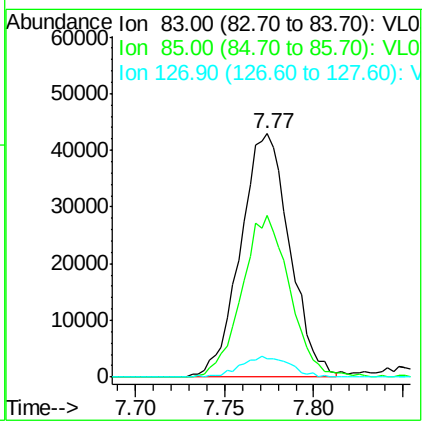


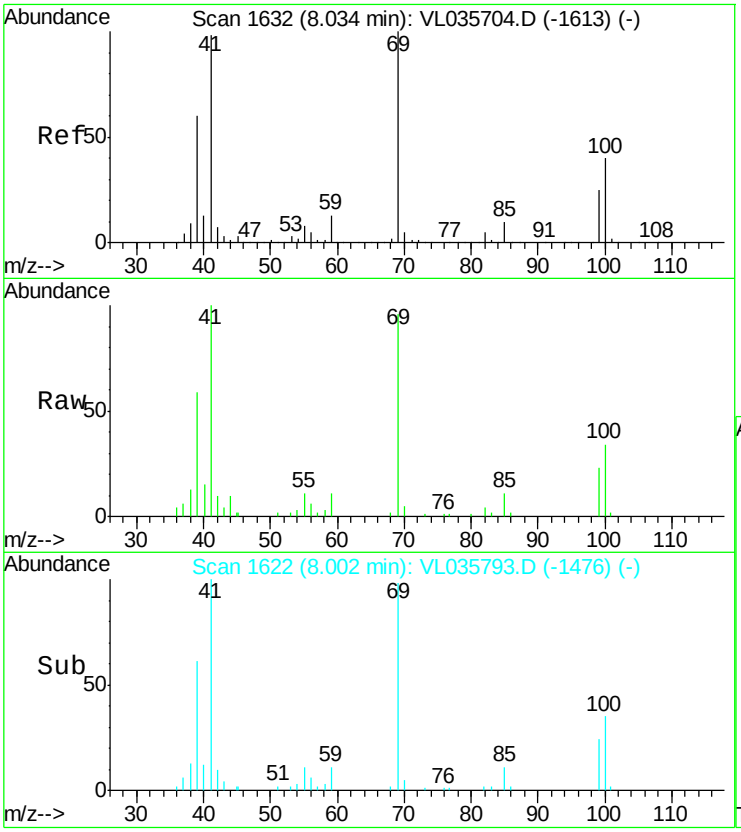


#42
Bromodichloromethane
Concen: 0.360 ppbv
RT: 7.77 min Scan# 1551
Delta R.T. -0.04 min
Lab File: VL035793.D
Acq: 19 Oct 2020 14:03

Tgt Ion: 83 Resp: 82628

Ion	Ratio	Lower	Upper
83	100		
85	66.2	53.4	80.0
127	7.7	7.8	11.6#



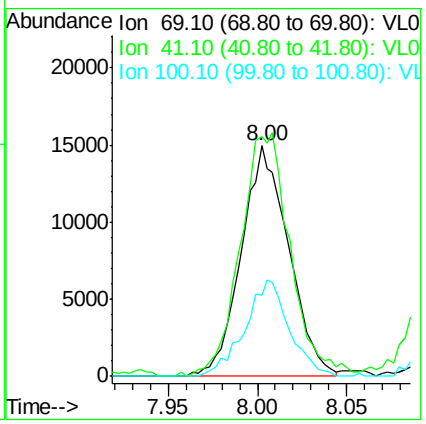


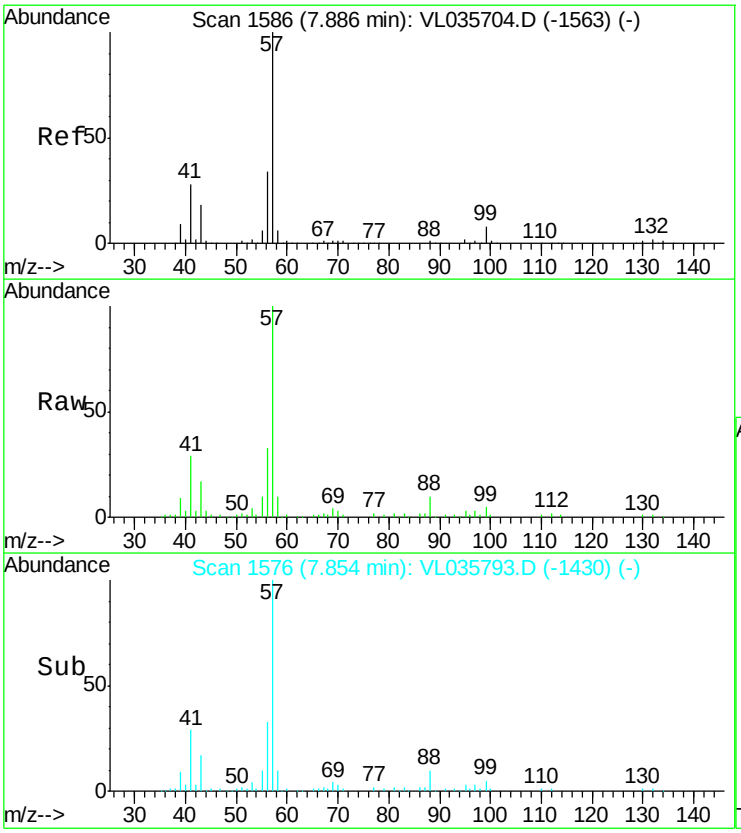
#43
Methyl Methacrylate
Concen: 0.255 ppbv
RT: 8.00 min Scan# 1622
Delta R.T. -0.03 min
Lab File: VL035793.D
Acq: 19 Oct 2020 14:03

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

Tgt Ion: 69 Resp: 27727

Ion	Ratio	Lower	Upper
69	100		
41	111.3	79.8	119.6
100	39.5	30.6	46.0

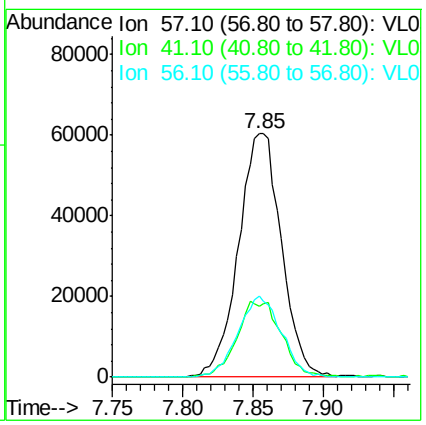


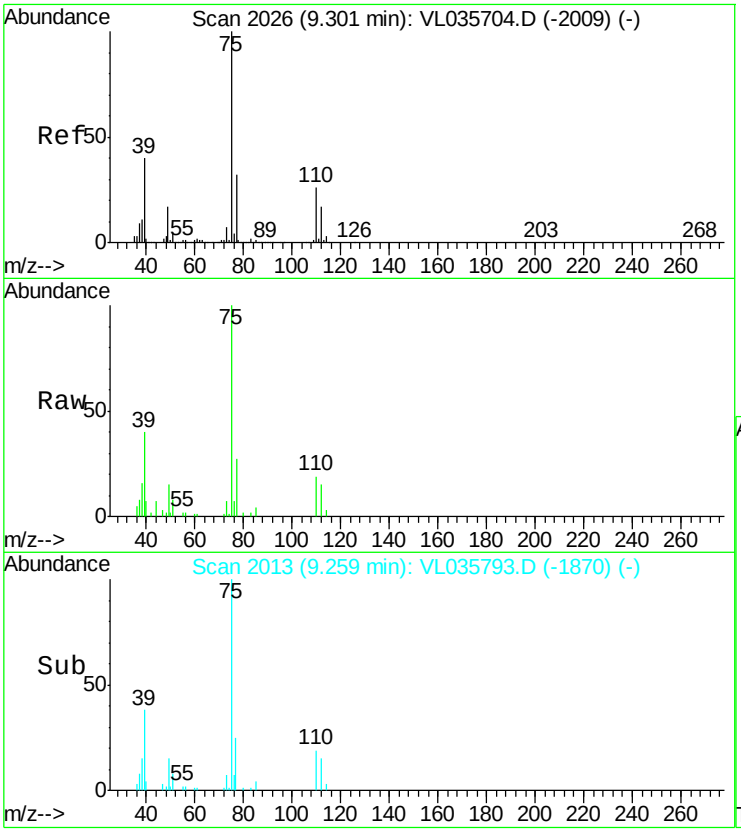


#44
2,2,4-Trimethylpentane
Concen: 0.328 ppbv
RT: 7.85 min Scan# 1576
Delta R.T. -0.03 min
Lab File: VL035793.D
Acq: 19 Oct 2020 14:03

Tgt Ion: 57 Resp: 128722

Ion	Ratio	Lower	Upper
57	100		
41	32.7	21.2	31.8#
56	33.5	25.8	38.8



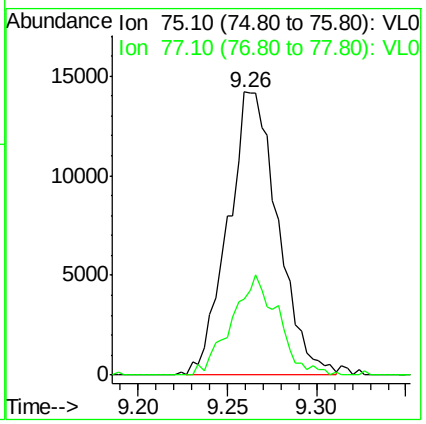


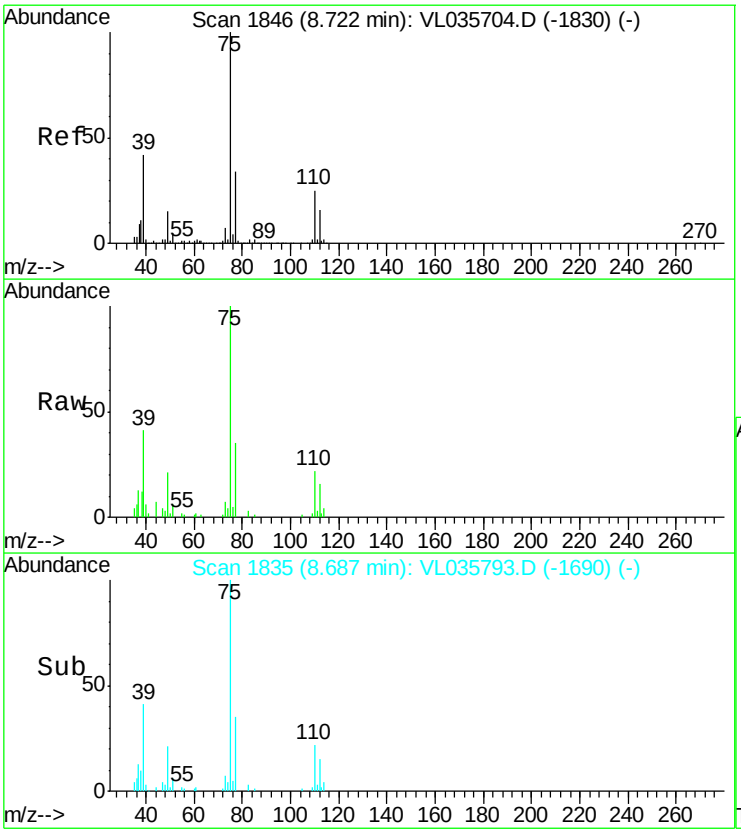
#45
t-1,3-Dichloropropene
Concen: 0.253 ppbv
RT: 9.26 min Scan# 2013
Delta R.T. -0.04 min
Lab File: VL035793.D
Acq: 19 Oct 2020 14:03

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

Tgt Ion: 75 Resp: 27797

Ion	Ratio	Lower	Upper
75	100		
77	26.7	25.9	38.9

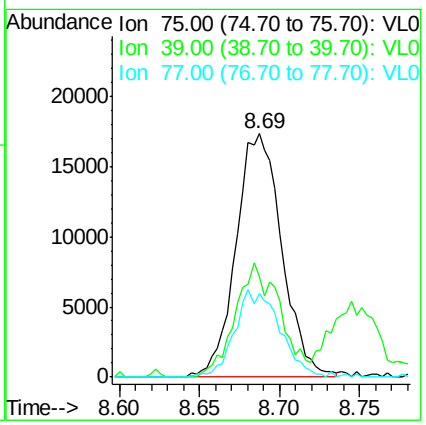


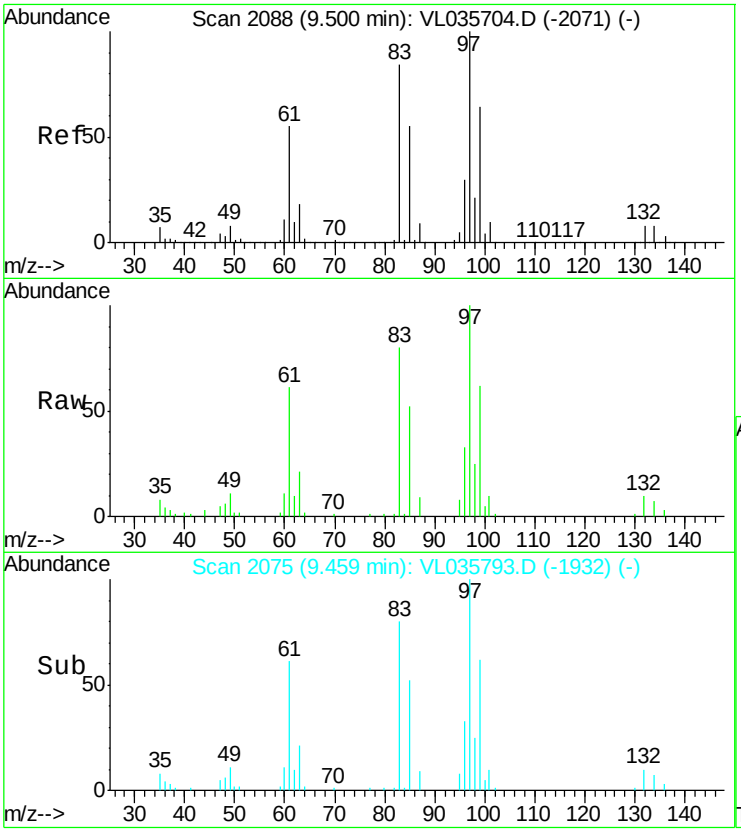


#46
cis-1,3-Dichloropropene
Concen: 0.250 ppbv
RT: 8.69 min Scan# 1835
Delta R.T. -0.04 min
Lab File: VL035793.D
Acq: 19 Oct 2020 14:03

Tgt Ion: 75 Resp: 33839

Ion	Ratio	Lower	Upper
75	100		
39	41.0	33.9	50.9
77	34.5	27.4	41.0



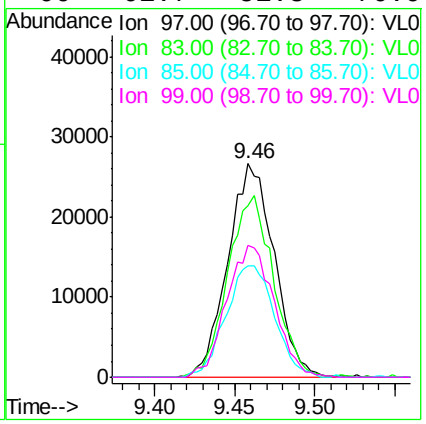


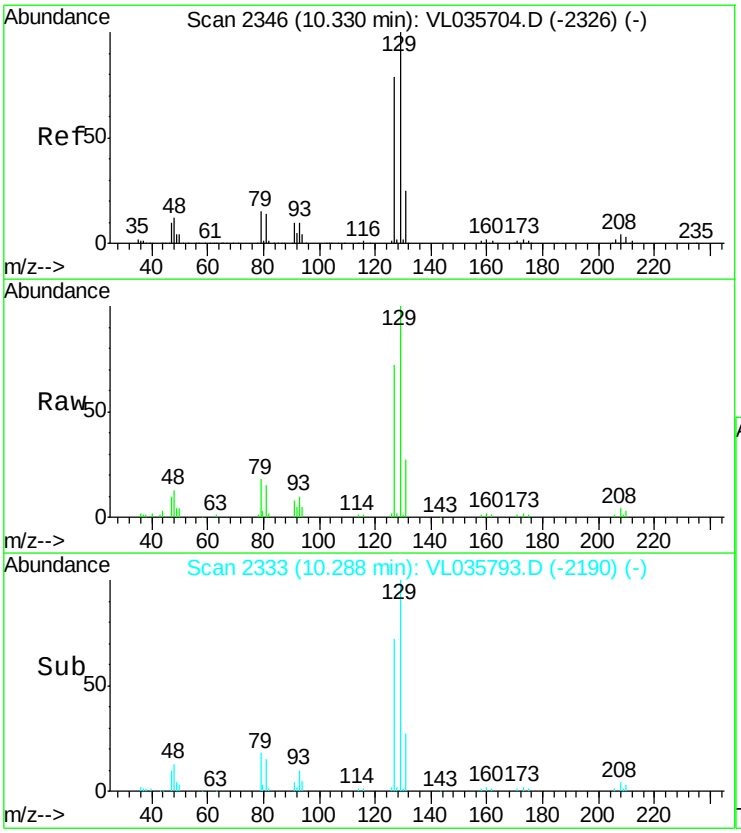
#47
1,1,2-Trichloroethane
Concen: 0.370 ppbv
RT: 9.46 min Scan# 2075
Delta R.T. -0.04 min
Lab File: VL035793.D
Acq: 19 Oct 2020 14:03

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

Tgt Ion: 97 Resp: 52504

Ion	Ratio	Lower	Upper
97	100		
83	79.5	67.1	100.7
85	51.5	43.9	65.9
99	61.7	51.3	76.9

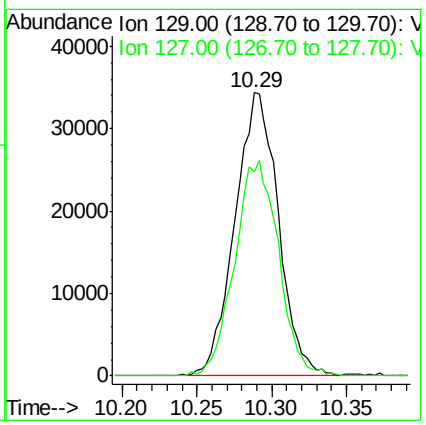


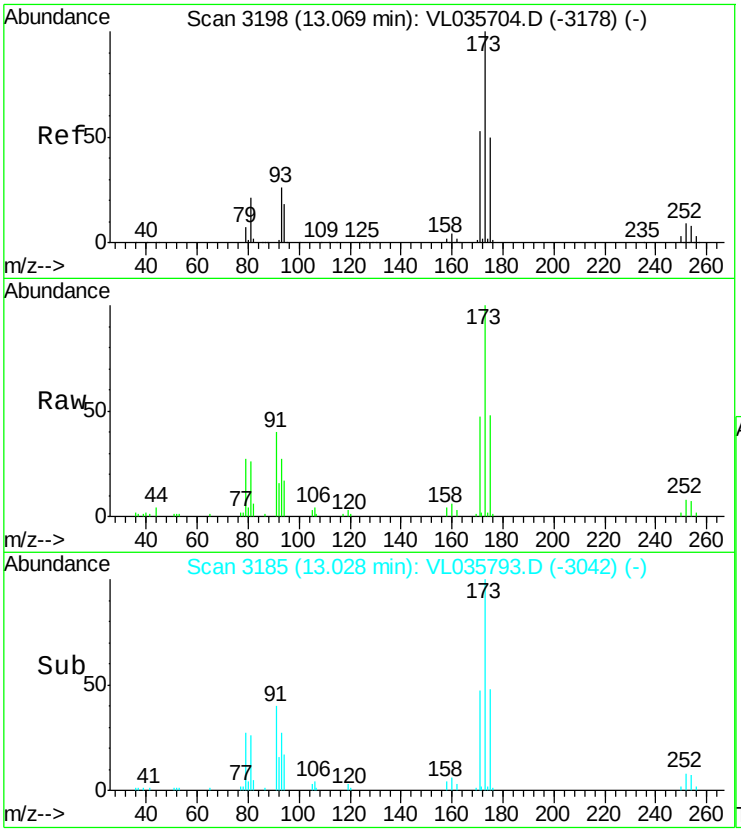


#48
Dibromochloromethane
Concen: 0.321 ppbv
RT: 10.29 min Scan# 2333
Delta R.T. -0.04 min
Lab File: VL035793.D
Acq: 19 Oct 2020 14:03

Tgt Ion:129 Resp: 69306

Ion	Ratio	Lower	Upper
129	100		
127	77.1	39.4	118.1



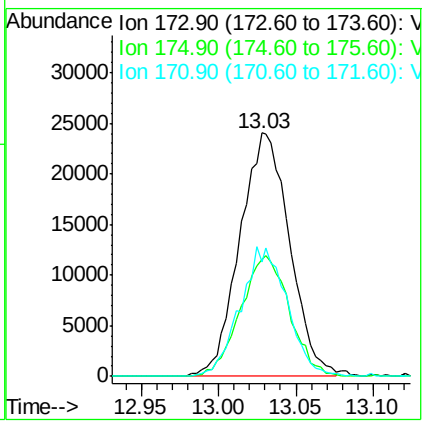


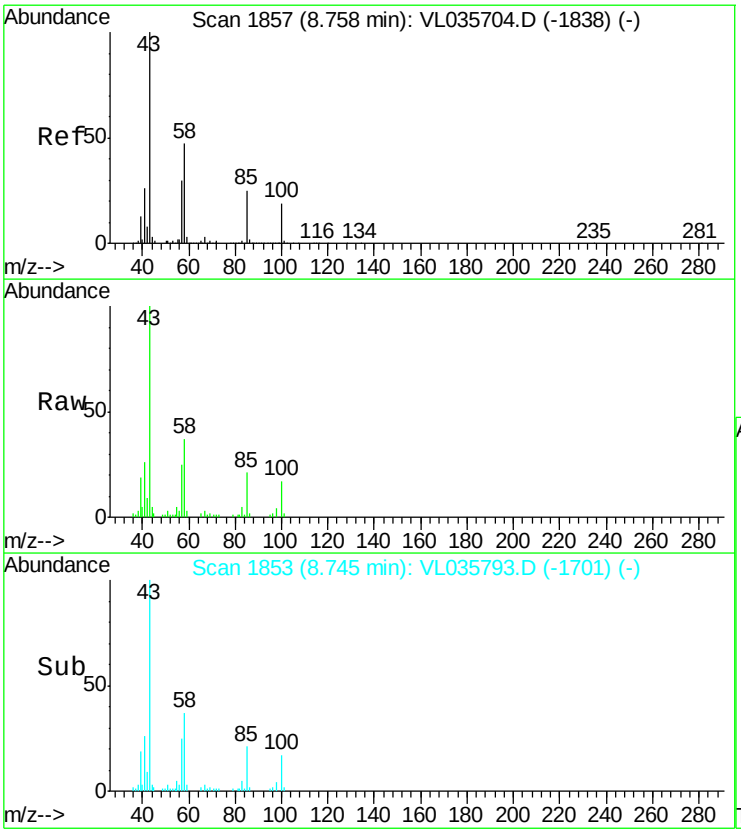
#49
Bromoform
Concen: 0.293 ppbv
RT: 13.03 min Scan# 3185
Delta R.T. -0.04 min
Lab File: VL035793.D
Acq: 19 Oct 2020 14:03

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

Tgt Ion:173 Resp: 53751

Ion	Ratio	Lower	Upper
173	100		
175	48.7	39.8	59.6
171	50.1	42.8	64.2

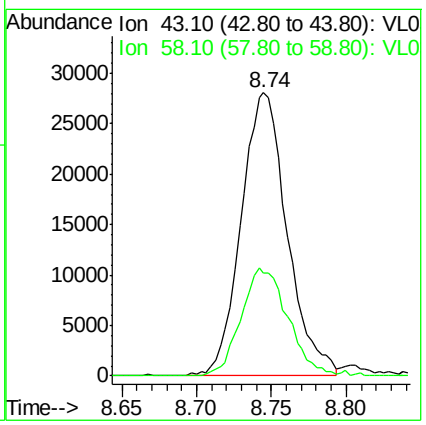


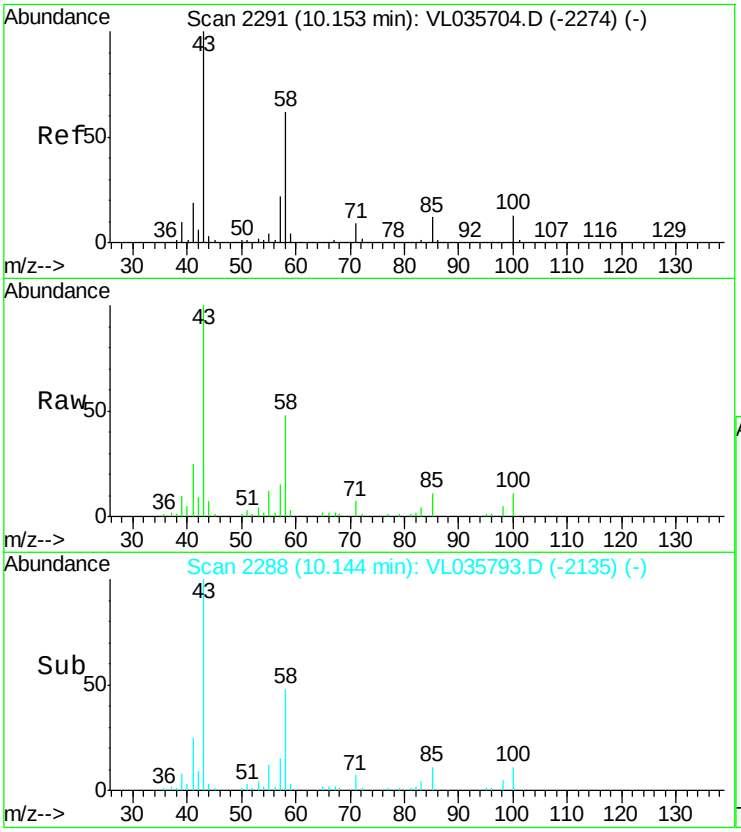


#50
4-Methyl-2-Pentanone
Concen: 0.296 ppbv
RT: 8.74 min Scan# 1853
Delta R.T. -0.01 min
Lab File: VL035793.D
Acq: 19 Oct 2020 14:03

Tgt Ion: 43 Resp: 60057

Ion	Ratio	Lower	Upper
43	100		
58	38.9	36.6	54.8



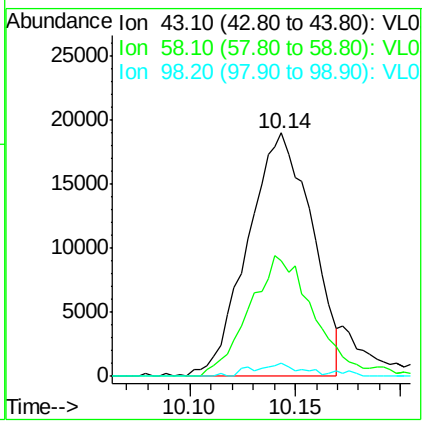


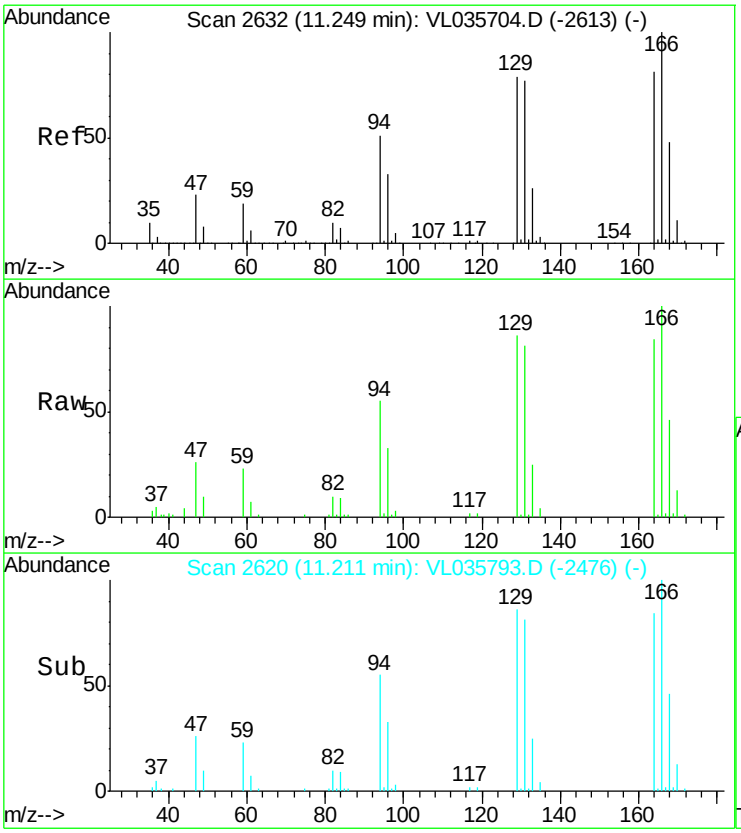
#51
2-Hexanone
Concen: 0.245 ppbv
RT: 10.14 min Scan# 2288
Delta R.T. -0.01 min
Lab File: VL035793.D
Acq: 19 Oct 2020 14:03

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

Tgt Ion: 43 Resp: 40038

Ion	Ratio	Lower	Upper
43	100		
58	51.8	48.7	73.1
98	4.5	0.7	1.1#

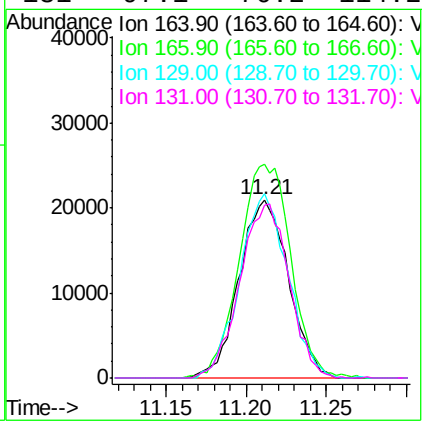


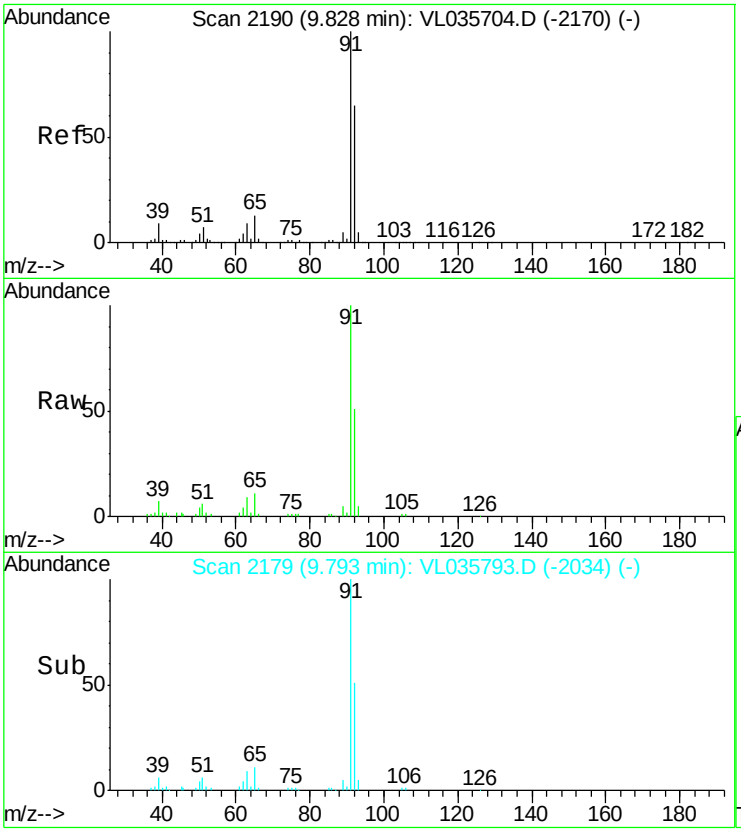


#52
Tetrachloroethene
Concen: 0.336 ppbv
RT: 11.21 min Scan# 2620
Delta R.T. -0.04 min
Lab File: VL035793.D
Acq: 19 Oct 2020 14:03

Tgt Ion:164 Resp: 44280

Ion	Ratio	Lower	Upper
164	100		
166	118.8	98.7	148.1
129	103.4	78.4	117.6
131	97.1	76.2	114.2



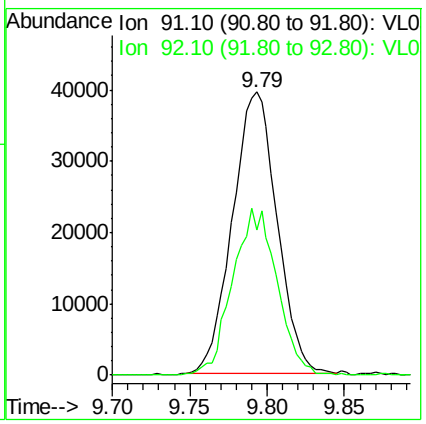


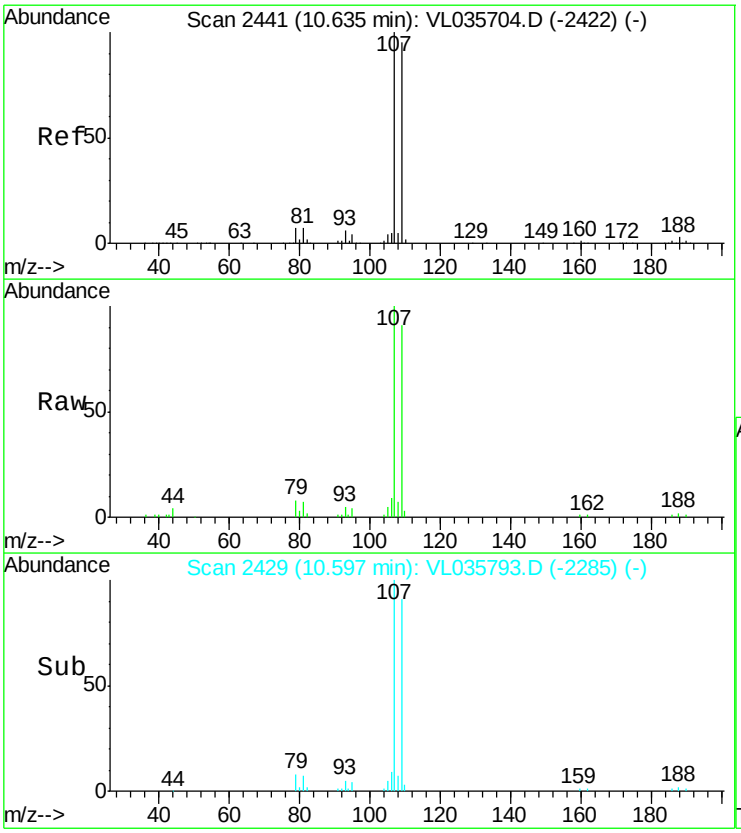
#53
Toluene
Concen: 0.244 ppbv
RT: 9.79 min Scan# 2179
Delta R.T. -0.04 min
Lab File: VL035793.D
Acq: 19 Oct 2020 14:03

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

Tgt Ion: 91 Resp: 78707

Ion	Ratio	Lower	Upper
91	100		
92	59.3	50.0	75.0

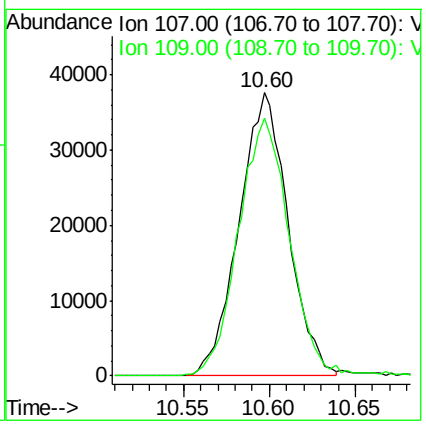


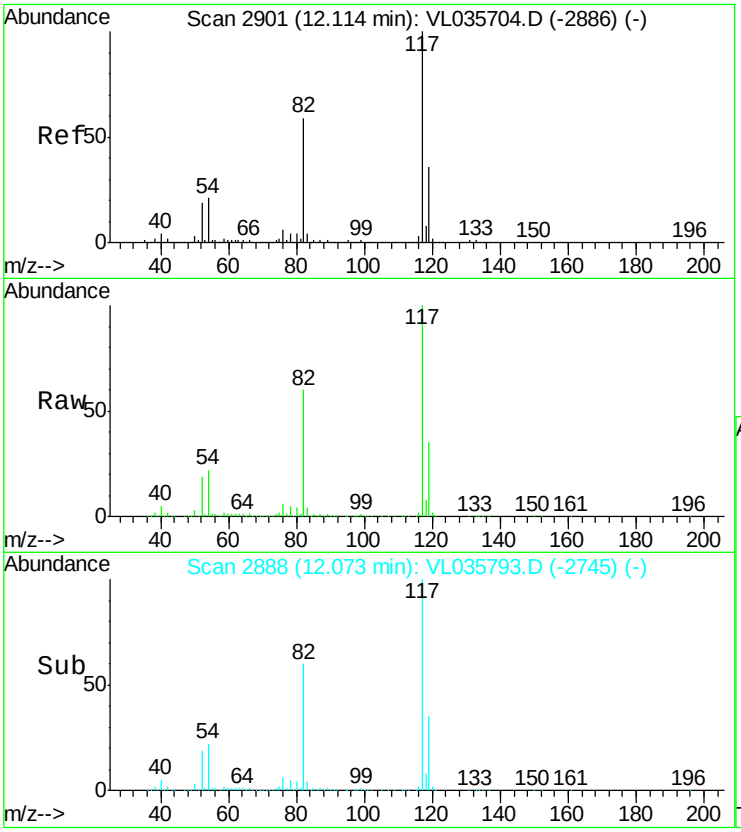


#54
1,2-Dibromoethane
Concen: 0.351 ppbv
RT: 10.60 min Scan# 2429
Delta R.T. -0.04 min
Lab File: VL035793.D
Acq: 19 Oct 2020 14:03

Tgt Ion:107 Resp: 74719

Ion	Ratio	Lower	Upper
107	100		
109	90.5	76.0	114.0



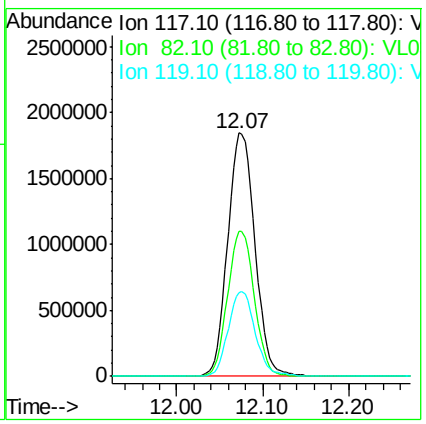


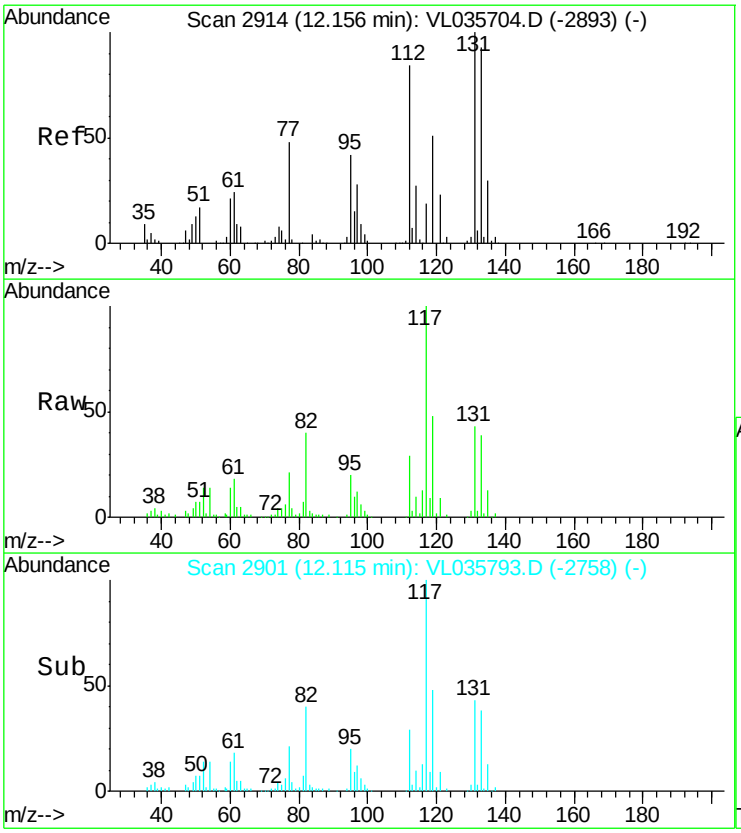
#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 12.07 min Scan# 2888
Delta R.T. -0.04 min
Lab File: VL035793.D
Acq: 19 Oct 2020 14:03

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

Tgt Ion:117 Resp: 4056134

Ion	Ratio	Lower	Upper
117	100		
82	58.7	46.1	69.1
119	34.8	28.0	42.0

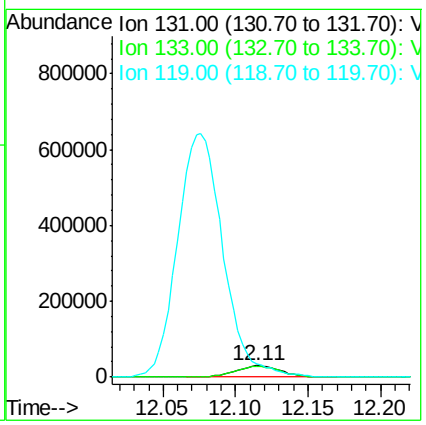


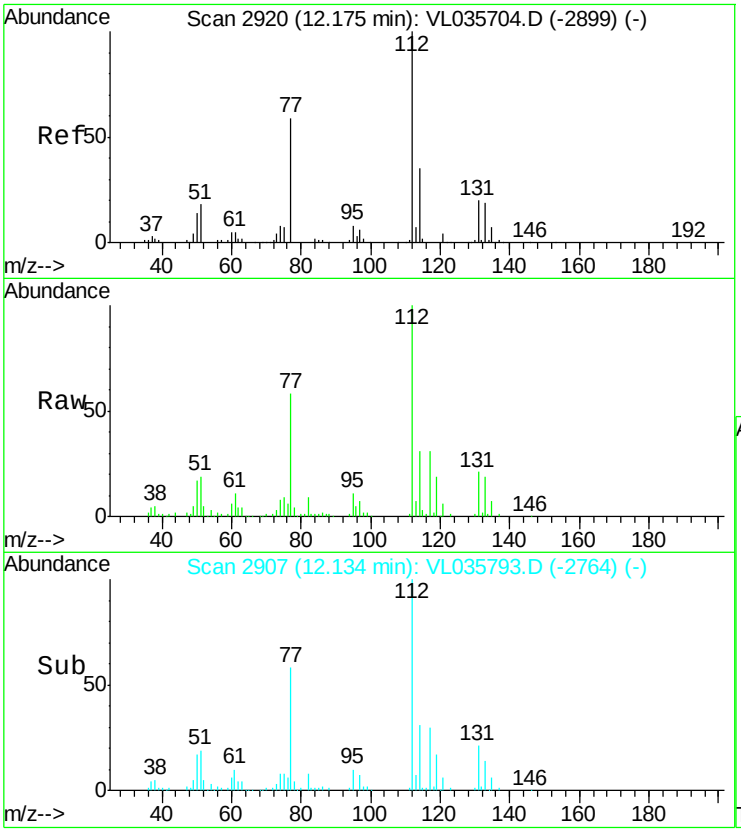


#56
1,1,1,2-Tetrachloroethane
Concen: 0.385 ppbv
RT: 12.11 min Scan# 2901
Delta R.T. -0.04 min
Lab File: VL035793.D
Acq: 19 Oct 2020 14:03

Tgt Ion:131 Resp: 65449

Ion	Ratio	Lower	Upper
131	100		
133	97.3	76.2	114.4
119	2158.7	52.4	78.6#



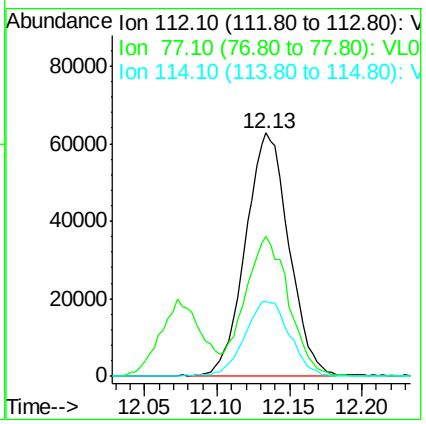


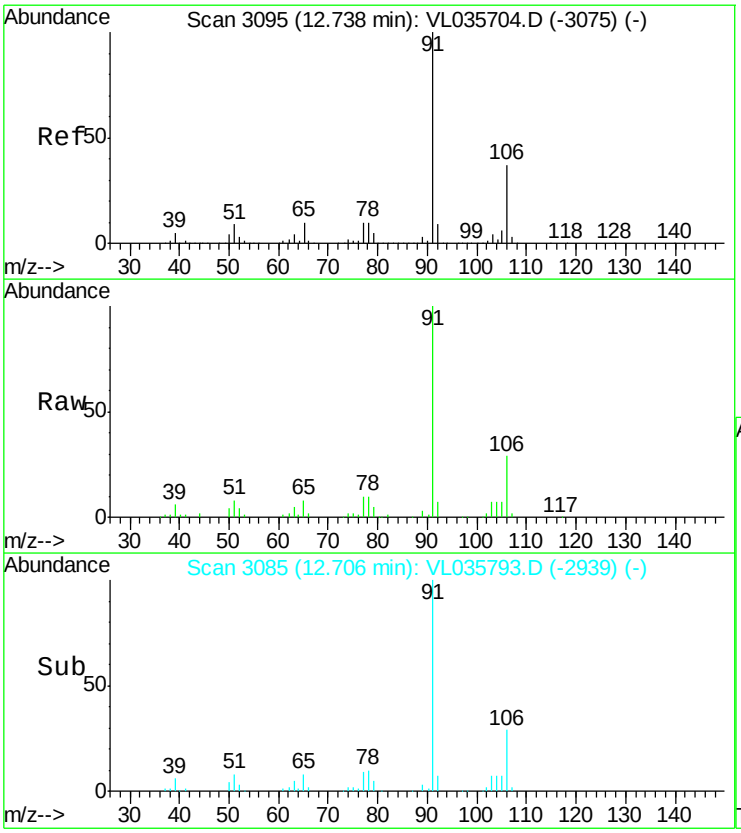
#57
Chlorobenzene
Concen: 0.428 ppbv
RT: 12.13 min Scan# 2907
Delta R.T. -0.04 min
Lab File: VL035793.D
Acq: 19 Oct 2020 14:03

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

Tgt Ion:112 Resp: 131095

Ion	Ratio	Lower	Upper
112	100		
77	57.2	48.2	72.2
114	30.9	31.9	39.1#

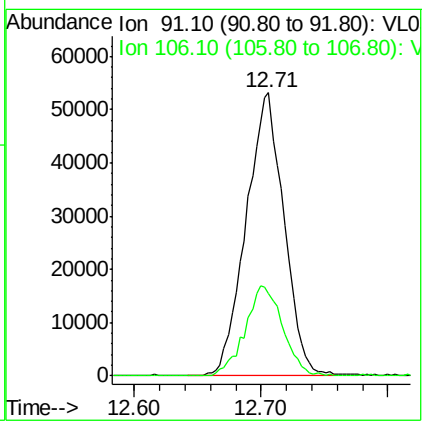


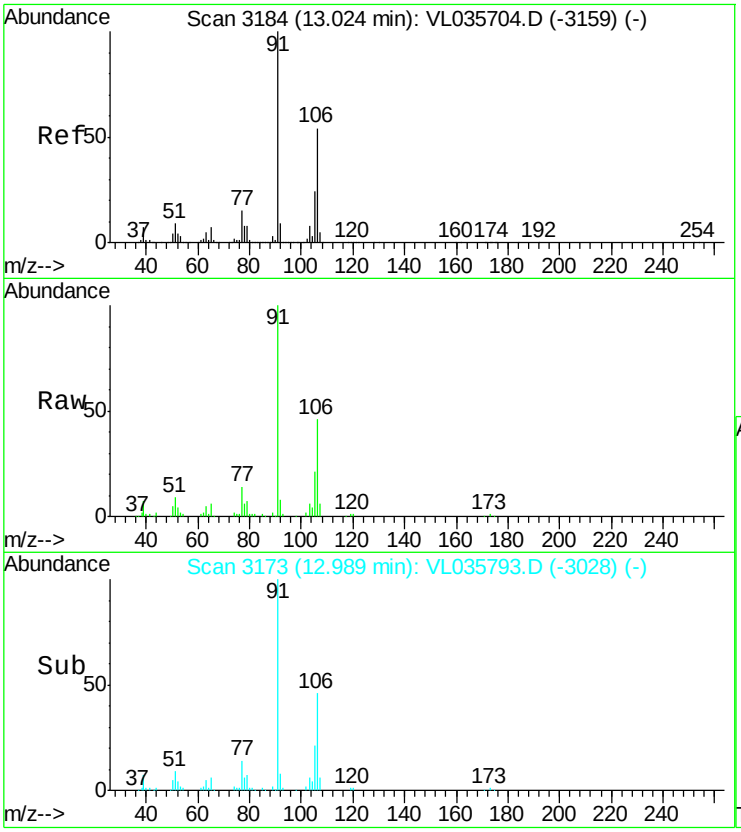


#58
Ethyl Benzene
Concen: 0.269 ppbv m
RT: 12.71 min Scan# 3085
Delta R.T. -0.03 min
Lab File: VL035793.D
Acq: 19 Oct 2020 14:03

Tgt Ion: 91 Resp: 109685

Ion	Ratio	Lower	Upper
91	100		
106	29.1	29.7	44.5#



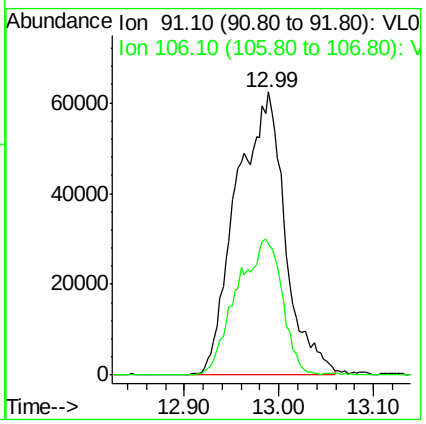


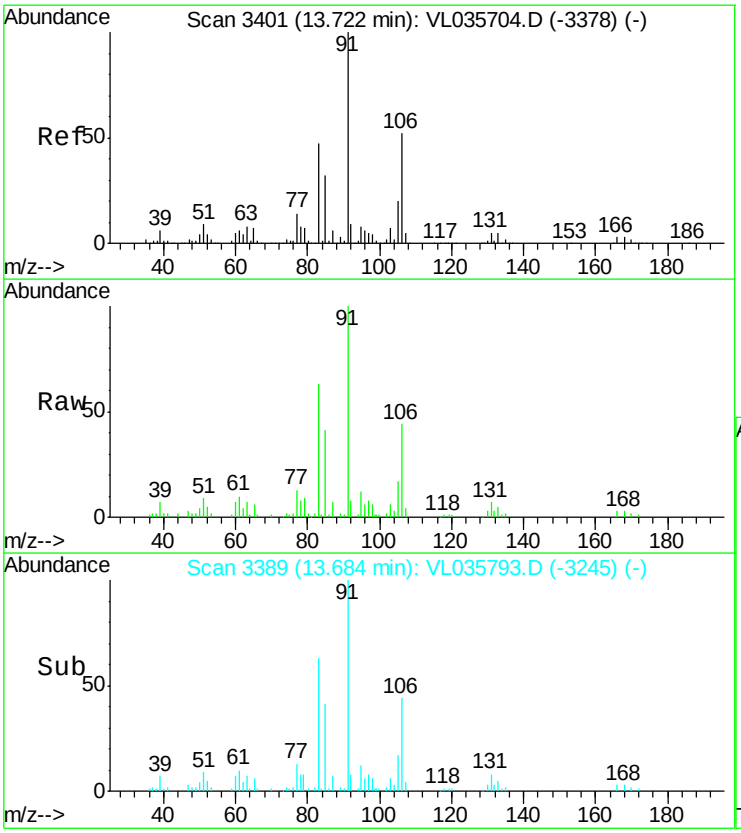
#59
m/p-Xylene
Concen: 0.627 ppbv m
RT: 12.99 min Scan# 3173
Delta R.T. -0.04 min
Lab File: VL035793.D
Acq: 19 Oct 2020 14:03

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

Tgt Ion: 91 Resp: 222772

Ion	Ratio	Lower	Upper
91	100		
106	45.2	41.4	62.0

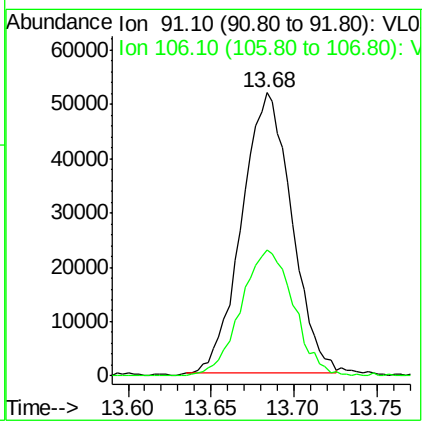


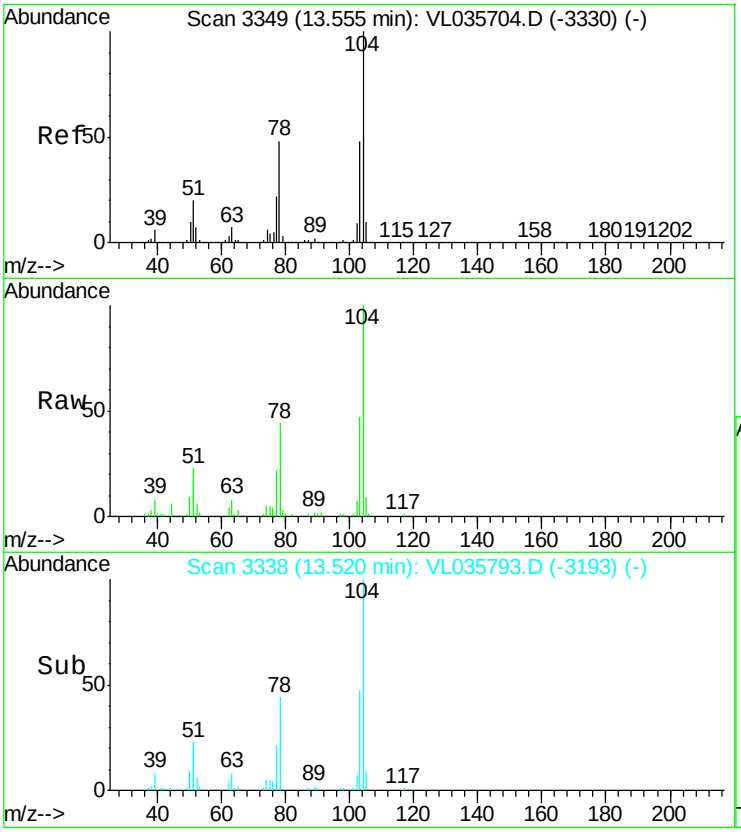


#60
o-Xylene
Concen: 0.302 ppbv
RT: 13.68 min Scan# 3389
Delta R.T. -0.04 min
Lab File: VL035793.D
Acq: 19 Oct 2020 14:03

Tgt Ion: 91 Resp: 108749

Ion	Ratio	Lower	Upper
91	100		
106	47.2	25.0	75.0



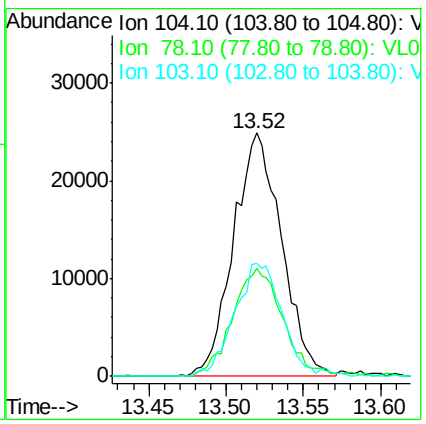


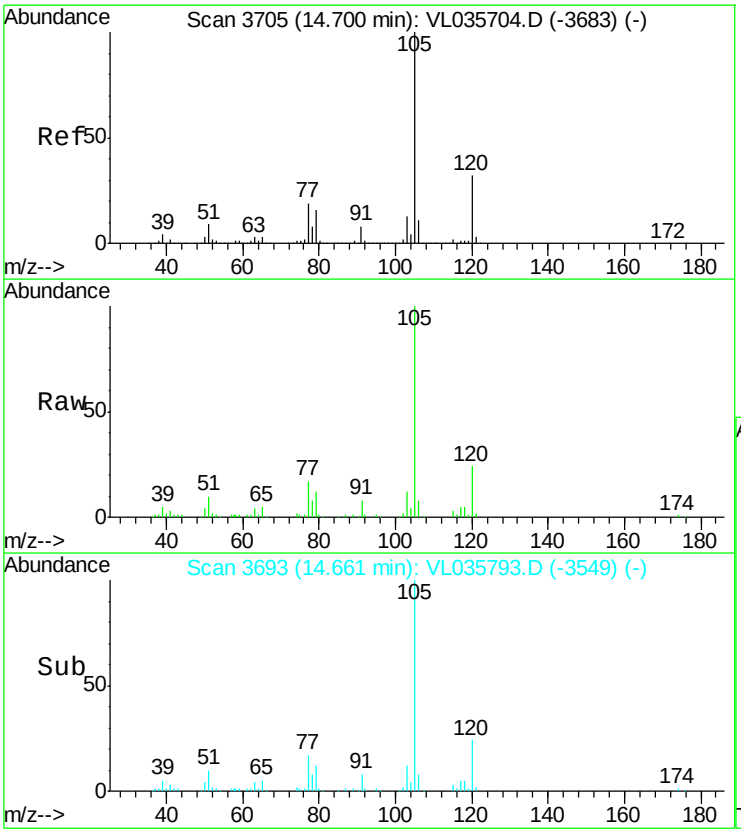
#61
Stvrene
Concen: 0.217 ppbv
RT: 13.52 min Scan# 3338
Delta R.T. -0.04 min
Lab File: VL035793.D
Acq: 19 Oct 2020 14:03

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

Tgt Ion:104 Resp: 53878

Ion	Ratio	Lower	Upper
104	100		
78	46.7	37.2	55.8
103	46.2	38.2	57.2

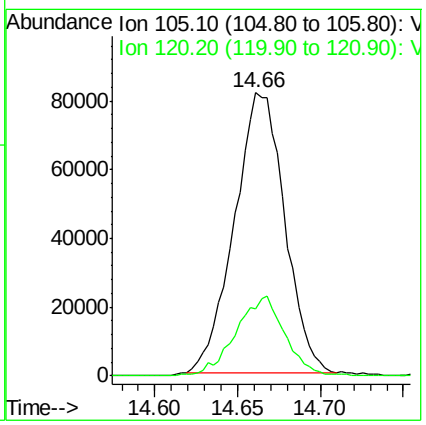


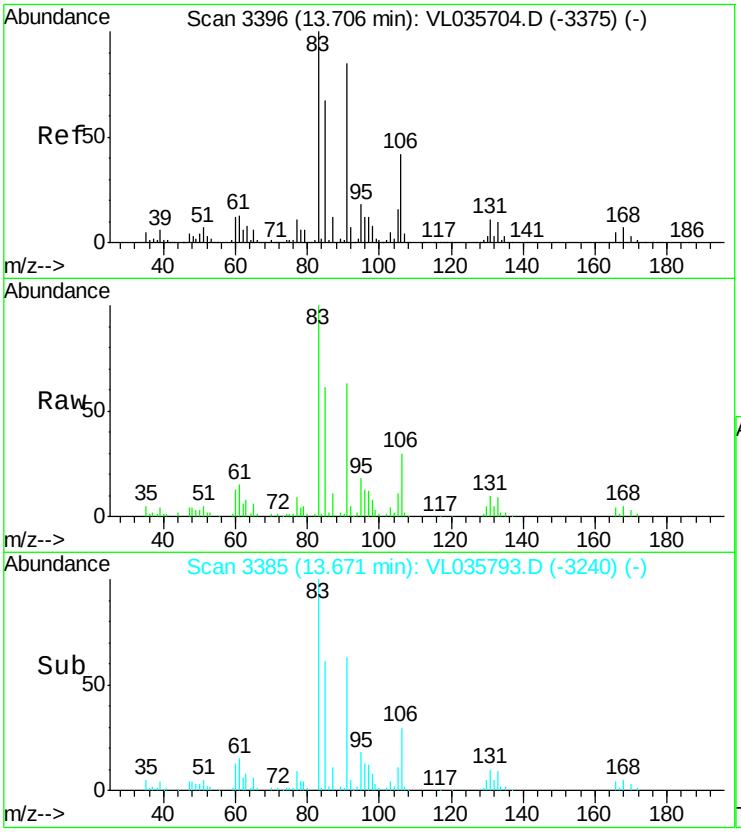


#62
Isopropylbenzene
Concen: 0.311 ppbv
RT: 14.66 min Scan# 3693
Delta R.T. -0.04 min
Lab File: VL035793.D
Acq: 19 Oct 2020 14:03

Tgt Ion:105 Resp: 173270

Ion	Ratio	Lower	Upper
105	100		
120	27.6	24.1	36.1



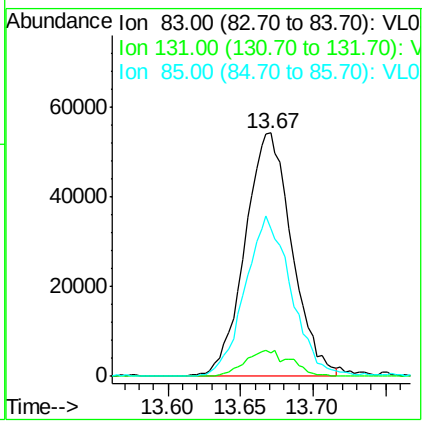


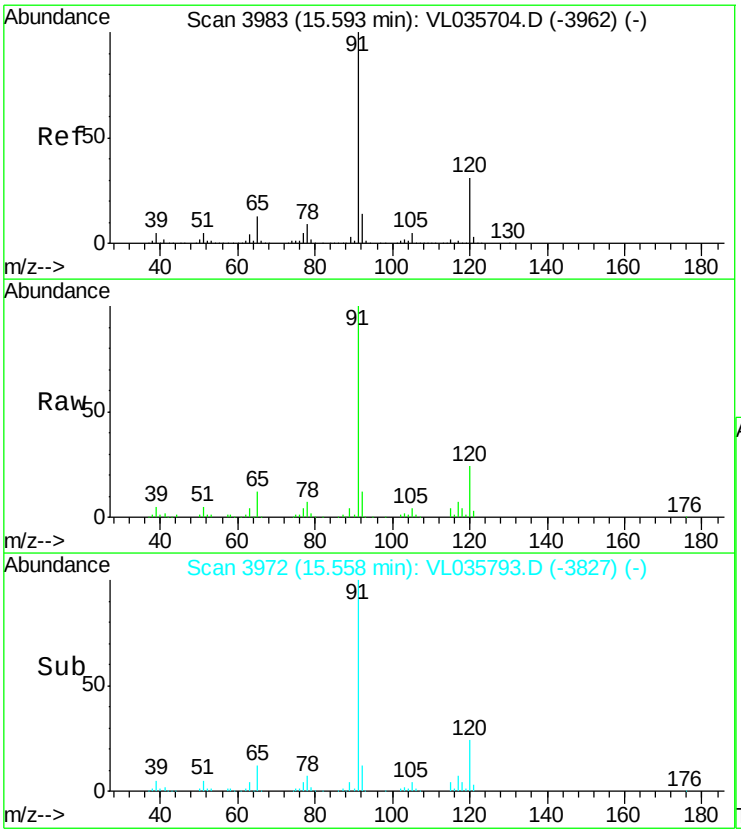
#63
1,1,2,2-Tetrachloroethane
Concen: 0.414 ppbv
RT: 13.67 min Scan# 3385
Delta R.T. -0.04 min
Lab File: VL035793.D
Acq: 19 Oct 2020 14:03

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

Tgt Ion: 83 Resp: 121962

Ion	Ratio	Lower	Upper
83	100		
131	10.5	5.3	16.1
85	65.8	33.4	100.2

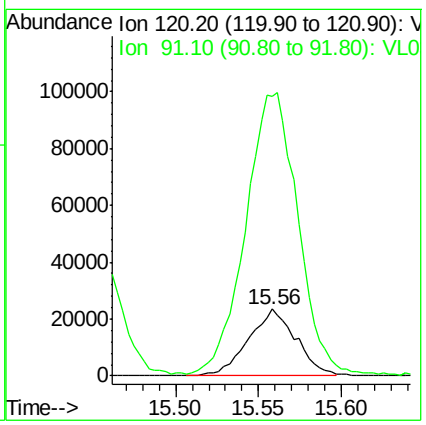


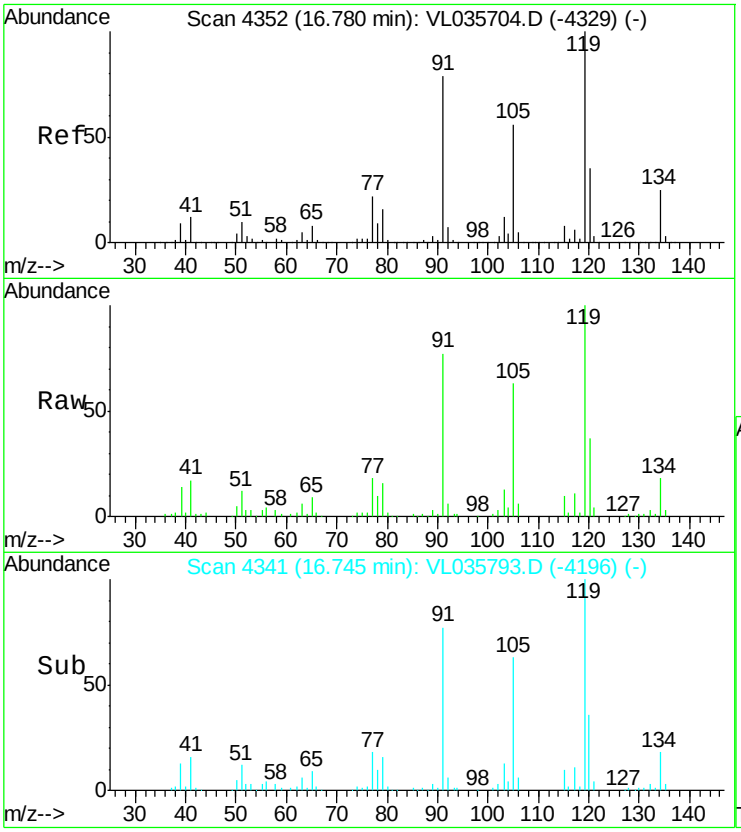


#64
n-propylbenzene
Concen: 0.287 ppbv
RT: 15.56 min Scan# 3972
Delta R.T. -0.04 min
Lab File: VL035793.D
Acq: 19 Oct 2020 14:03

Tgt Ion:120 Resp: 46836

Ion	Ratio	Lower	Upper
120	100		
91	470.7	300.4	450.6#



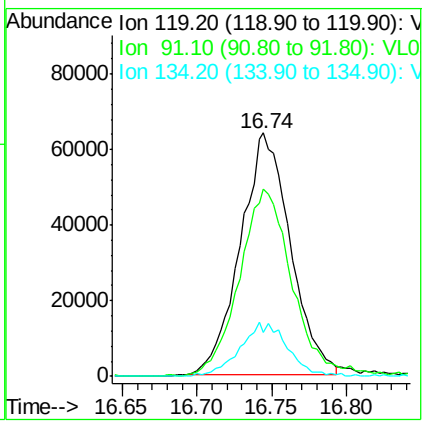


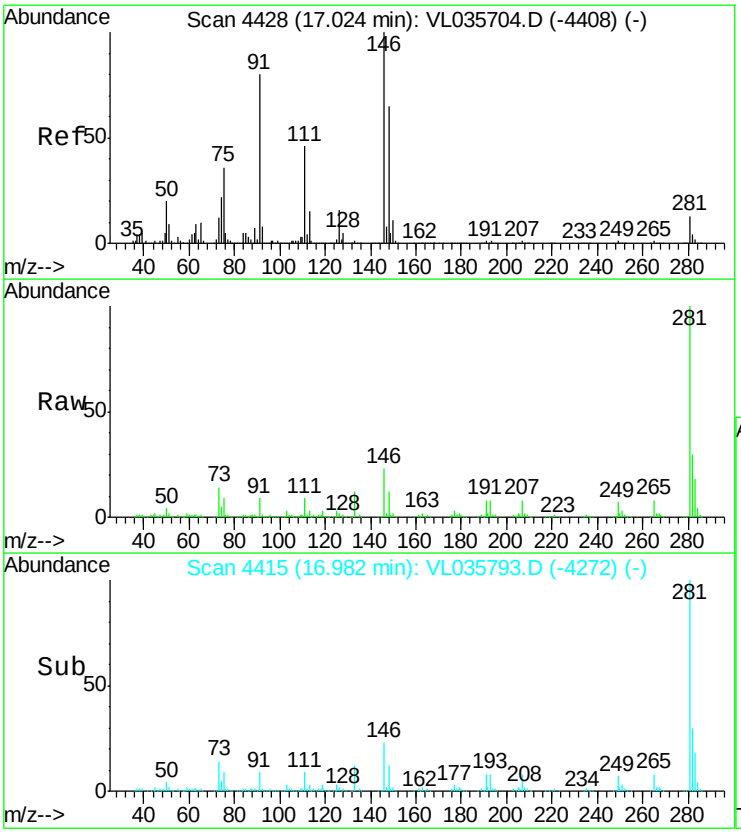
#65
tert-Butylbenzene
Concen: 0.294 ppbv
RT: 16.74 min Scan# 4341
Delta R.T. -0.04 min
Lab File: VL035793.D
Acq: 19 Oct 2020 14:03

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

Tgt Ion:119 Resp: 148927

Ion	Ratio	Lower	Upper
119	100		
91	82.7	62.4	93.6
134	21.2	18.2	27.2

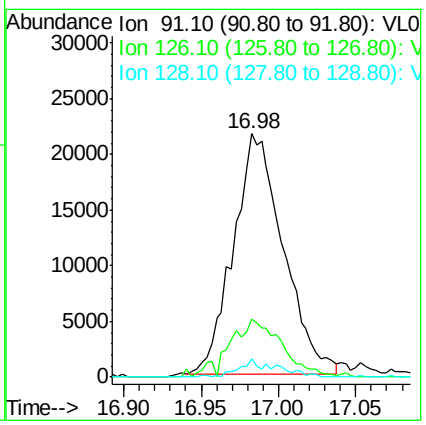


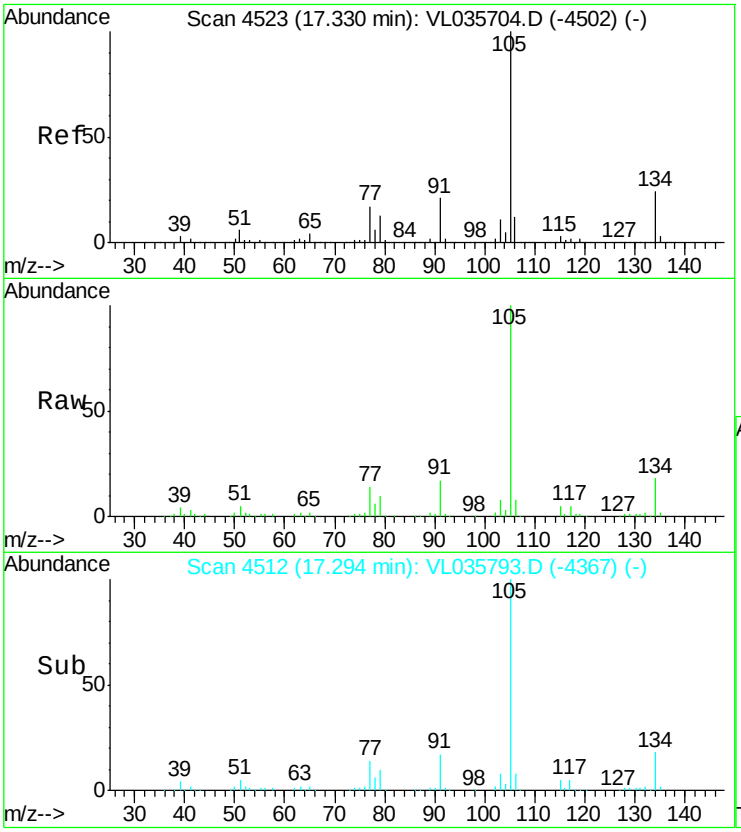


#66
Benzyl Chloride
Concen: 0.317 ppbv
RT: 16.98 min Scan# 4415
Delta R.T. -0.04 min
Lab File: VL035793.D
Acq: 19 Oct 2020 14:03

Tgt Ion: 91 Resp: 48748

Ion	Ratio	Lower	Upper
91	100		
126	25.5	15.3	22.9#
128	5.5	5.0	7.4



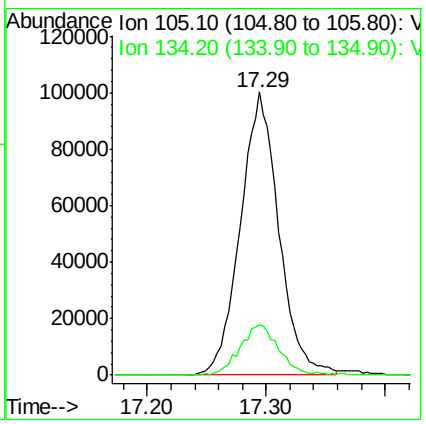


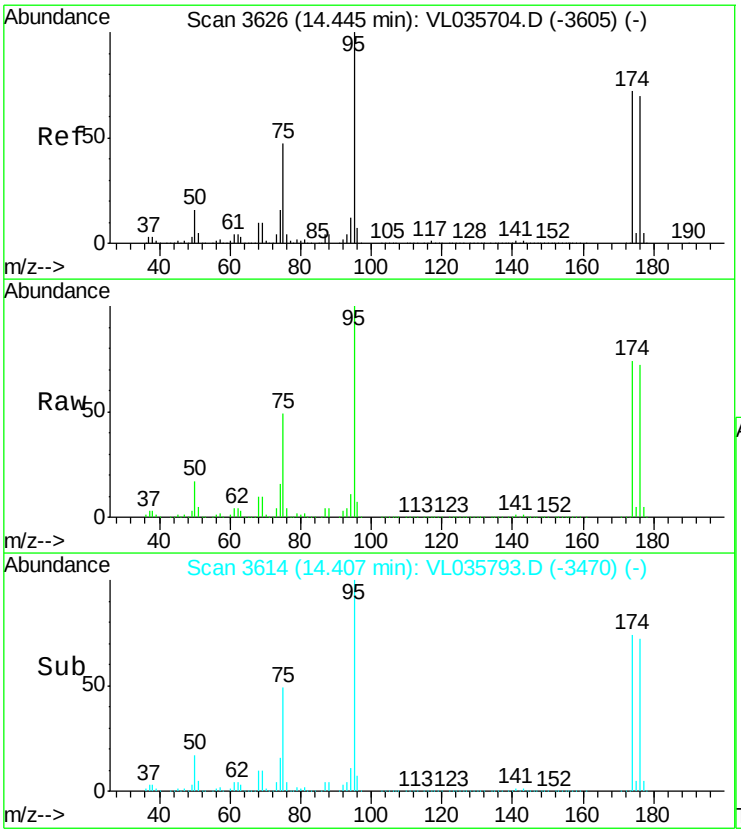
#67
sec-Butylbenzene
Concen: 0.320 ppbv
RT: 17.29 min Scan# 4512
Delta R.T. -0.04 min
Lab File: VL035793.D
Acq: 19 Oct 2020 14:03

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

Tgt Ion:105 Resp: 223851

Ion	Ratio	Lower	Upper
105	100		
134	18.1	17.6	26.4

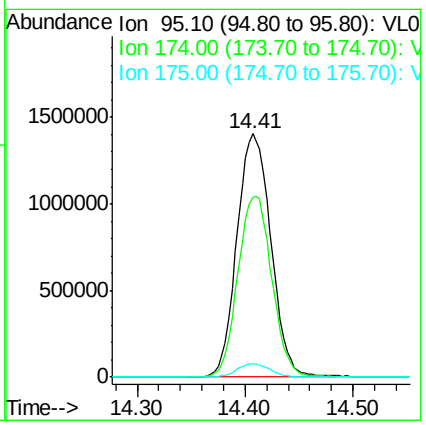


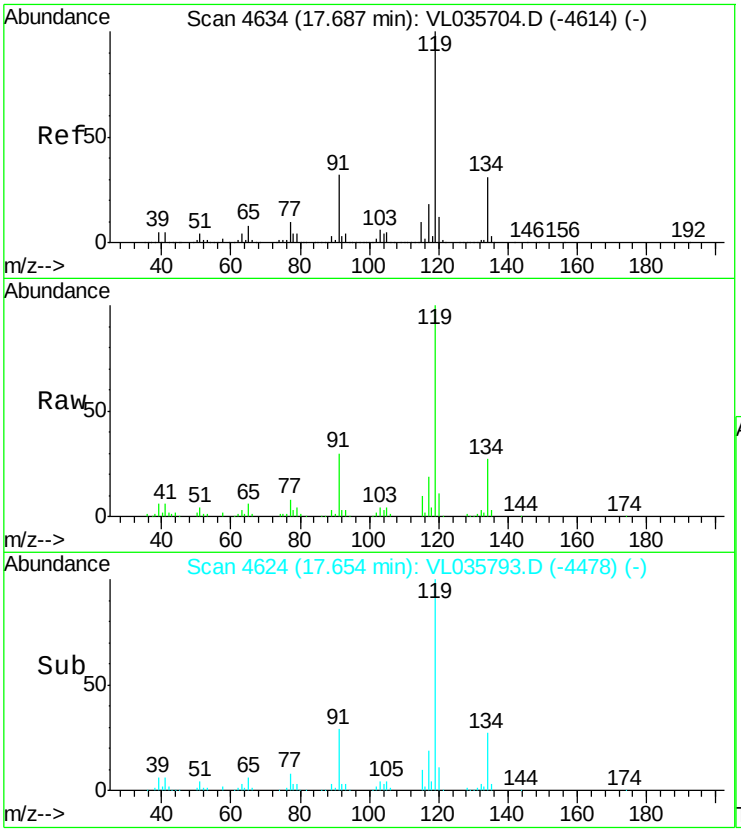


#68
1-Bromo-4-Fluorobenzene
Concen: 10.156 ppbv
RT: 14.41 min Scan# 3614
Delta R.T. -0.04 min
Lab File: VL035793.D
Acq: 19 Oct 2020 14:03

Tgt Ion: 95 Resp: 3086913

Ion	Ratio	Lower	Upper
95	100		
174	74.8	59.6	89.4
175	5.4	4.2	6.4



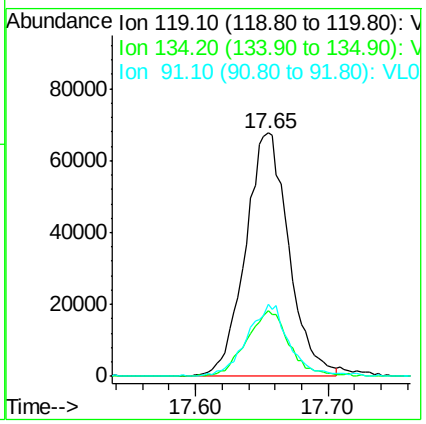


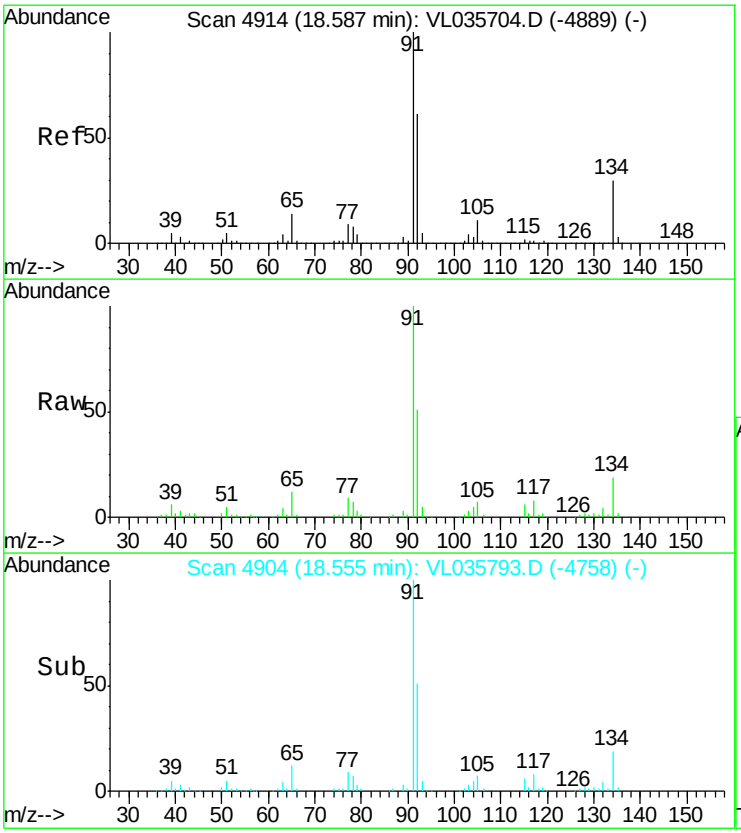
#69
p-Isopropyltoluene
Concen: 0.271 ppbv
RT: 17.65 min Scan# 4624
Delta R.T. -0.03 min
Lab File: VL035793.D
Acq: 19 Oct 2020 14:03

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

Tgt Ion:119 Resp: 154463

Ion	Ratio	Lower	Upper
119	100		
134	26.7	23.9	35.9
91	29.1	23.8	35.6

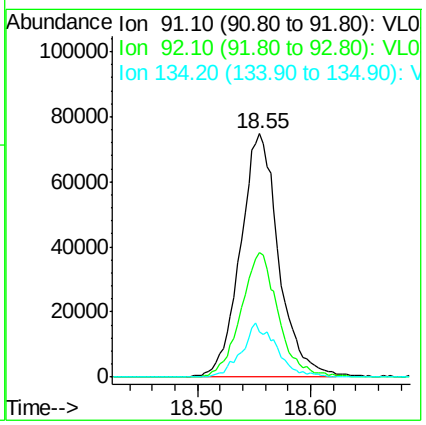


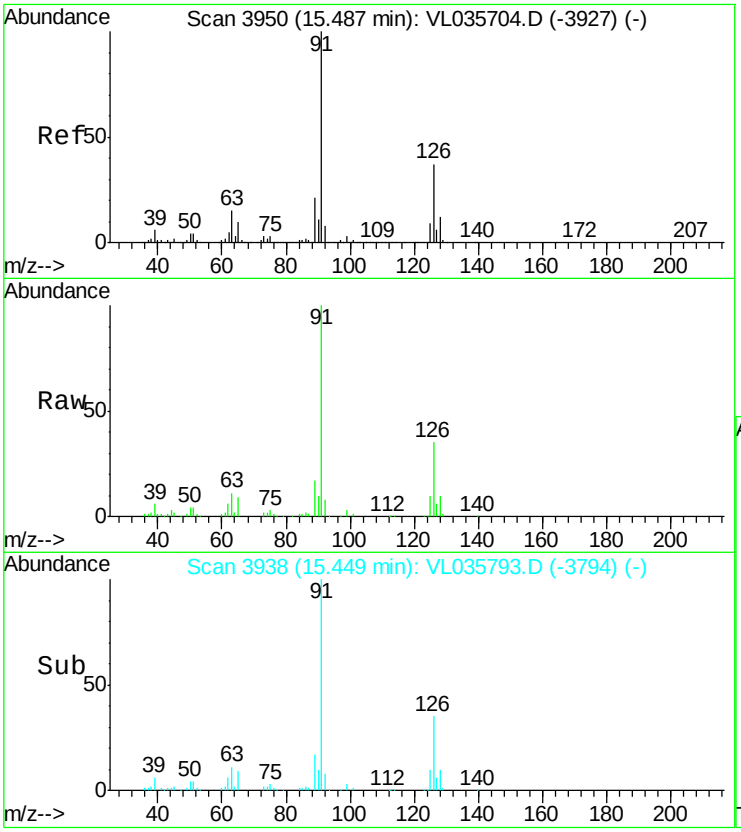


#70
n-Butylbenzene
Concen: 0.300 ppbv
RT: 18.55 min Scan# 4904
Delta R.T. -0.03 min
Lab File: VL035793.D
Acq: 19 Oct 2020 14:03

Tgt Ion: 91 Resp: 176105

Ion	Ratio	Lower	Upper
91	100		
92	50.1	47.0	70.4
134	20.4	21.9	32.9#



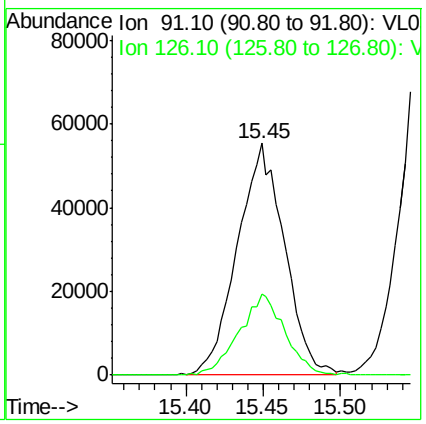


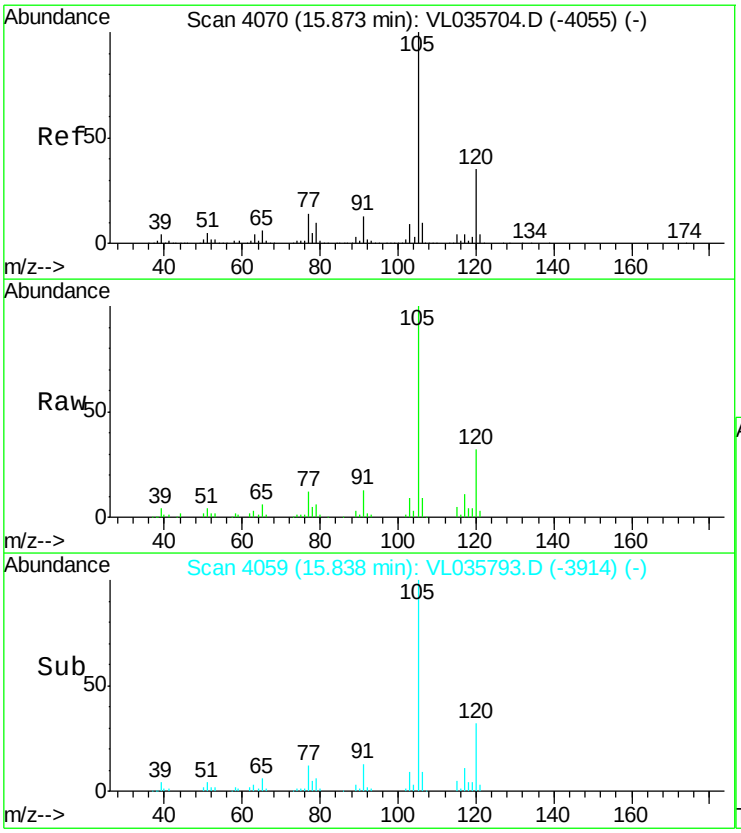
#71
2-Chlorotoluene
Concen: 0.285 ppbv
RT: 15.45 min Scan# 3938
Delta R.T. -0.04 min
Lab File: VL035793.D
Acq: 19 Oct 2020 14:03

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

Tgt Ion: 91 Resp: 116100

Ion	Ratio	Lower	Upper
91	100		
126	34.6	14.4	57.4

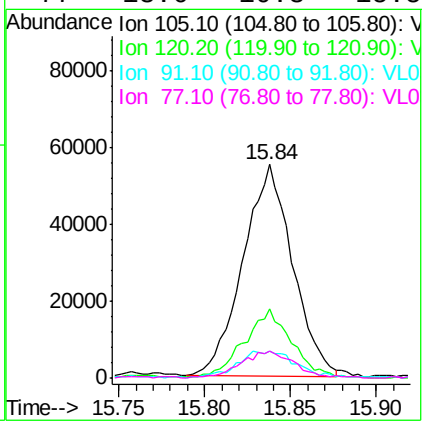


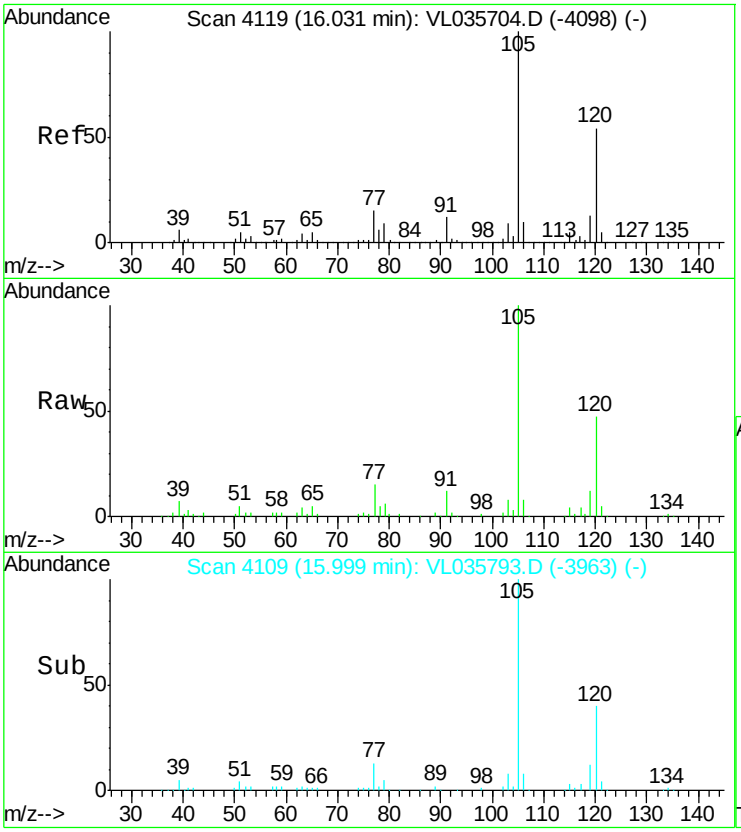


#72
4-Ethyltoluene
Concen: 0.258 ppbv
RT: 15.84 min Scan# 4059
Delta R.T. -0.04 min
Lab File: VL035793.D
Acq: 19 Oct 2020 14:03

Tgt Ion:105 Resp: 109872

Ion	Ratio	Lower	Upper
105	100		
120	32.0	26.5	39.7
91	14.7	10.2	15.2
77	13.6	10.3	15.5



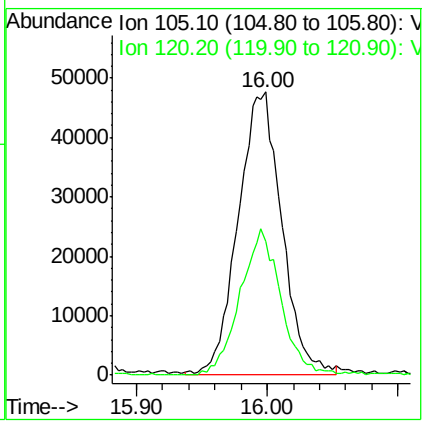


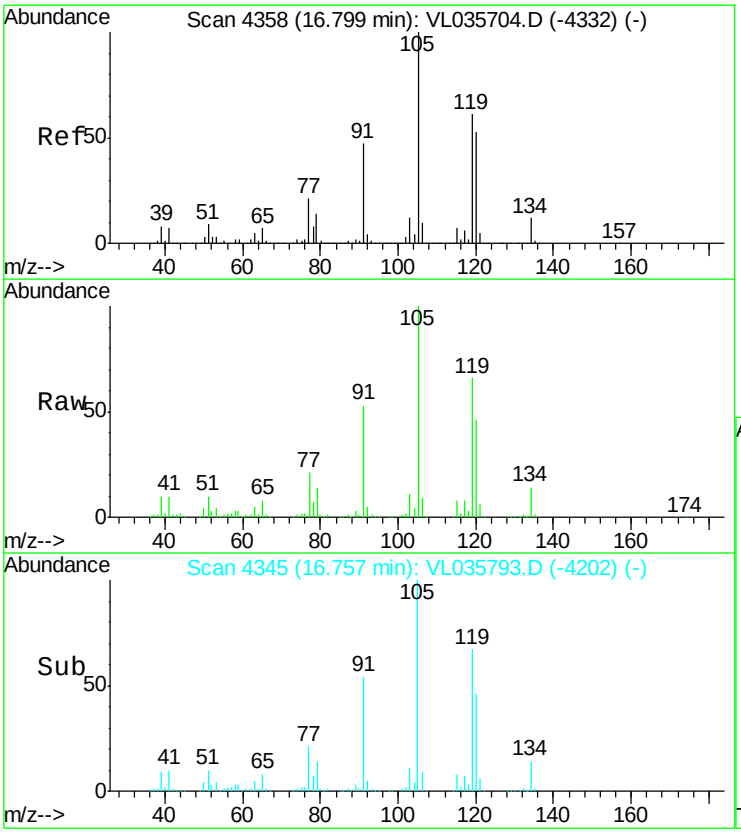
#73
1,3,5-Trimethylbenzene
Concen: 0.275 ppbv m
RT: 16.00 min Scan# 4109
Delta R.T. -0.03 min
Lab File: VL035793.D
Acq: 19 Oct 2020 14:03

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

Tgt Ion:105 Resp: 110916

Ion	Ratio	Lower	Upper
105	100		
120	47.0	43.0	64.4

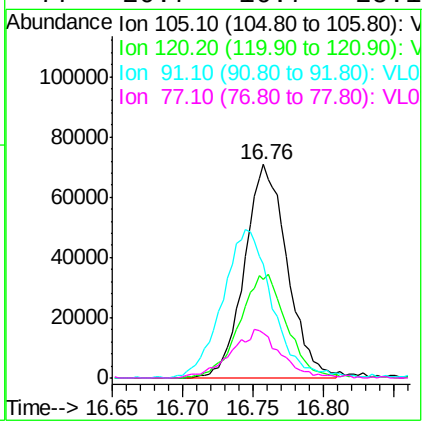


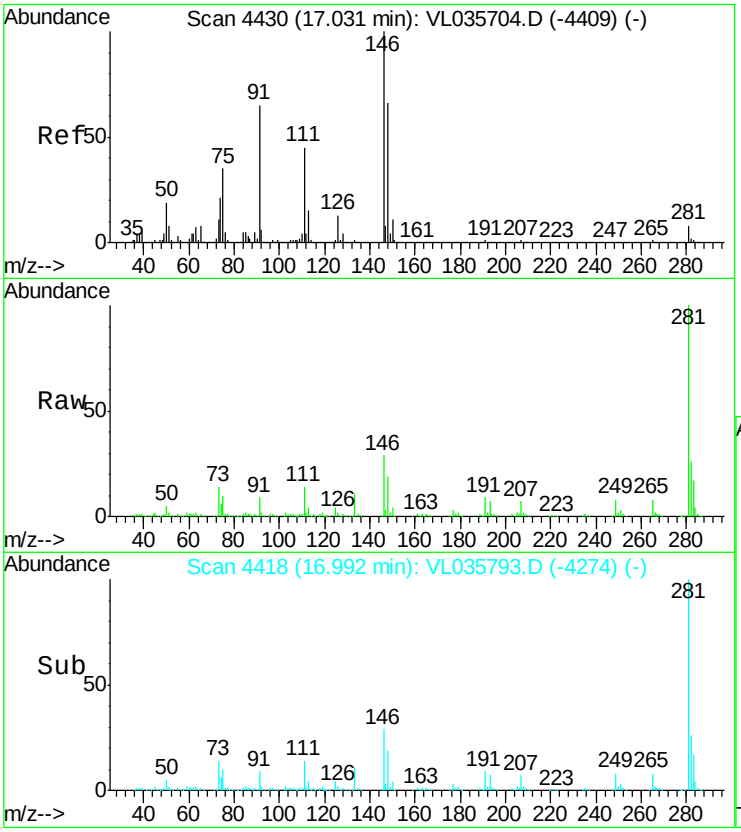


#74
1,2,4-Trimethylbenzene
Concen: 0.330 ppbv
RT: 16.76 min Scan# 4345
Delta R.T. -0.04 min
Lab File: VL035793.D
Acq: 19 Oct 2020 14:03

Tgt Ion:105 Resp: 149825

Ion	Ratio	Lower	Upper
105	100		
120	45.5	42.5	63.7
91	51.1	37.7	56.5
77	20.7	16.7	25.1



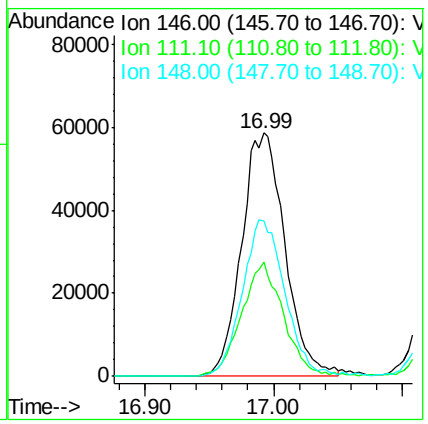


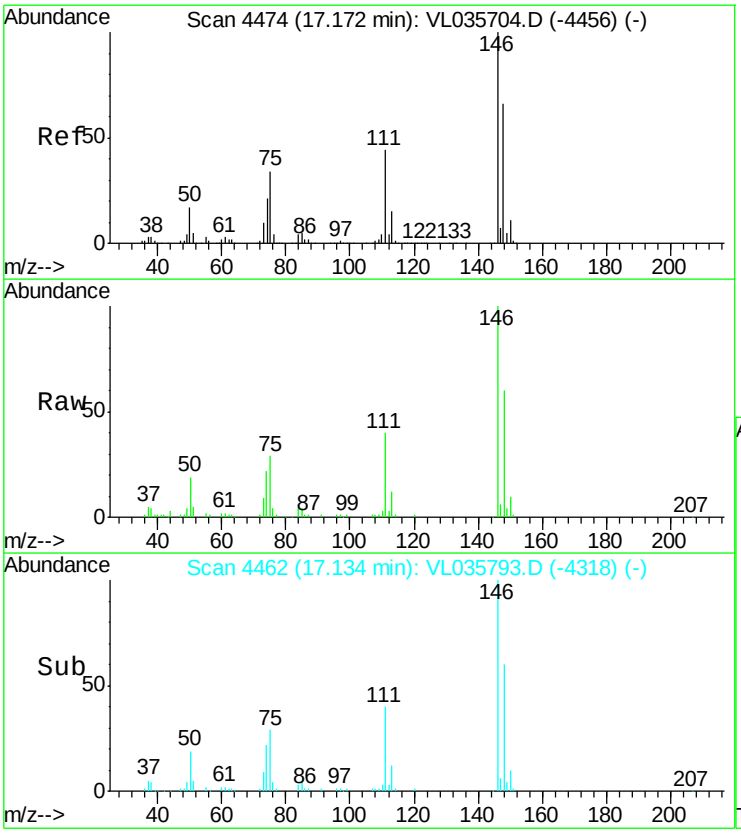
#75
1,3-Dichlorobenzene
Concen: 0.443 ppbv m
RT: 16.99 min Scan# 4418
Delta R.T. -0.04 min
Lab File: VL035793.D
Acq: 19 Oct 2020 14:03

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

Tgt Ion:146 Resp: 137144

Ion	Ratio	Lower	Upper
146	100		
111	0.0	22.4	67.0#
148	0.0	33.0	99.0#

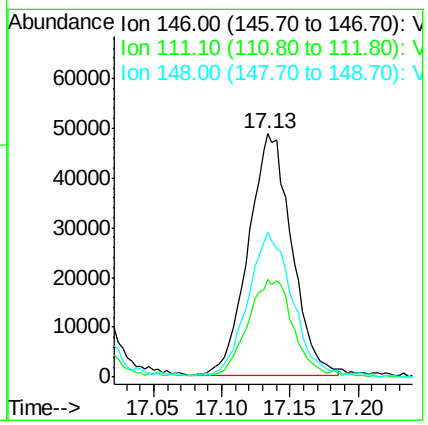


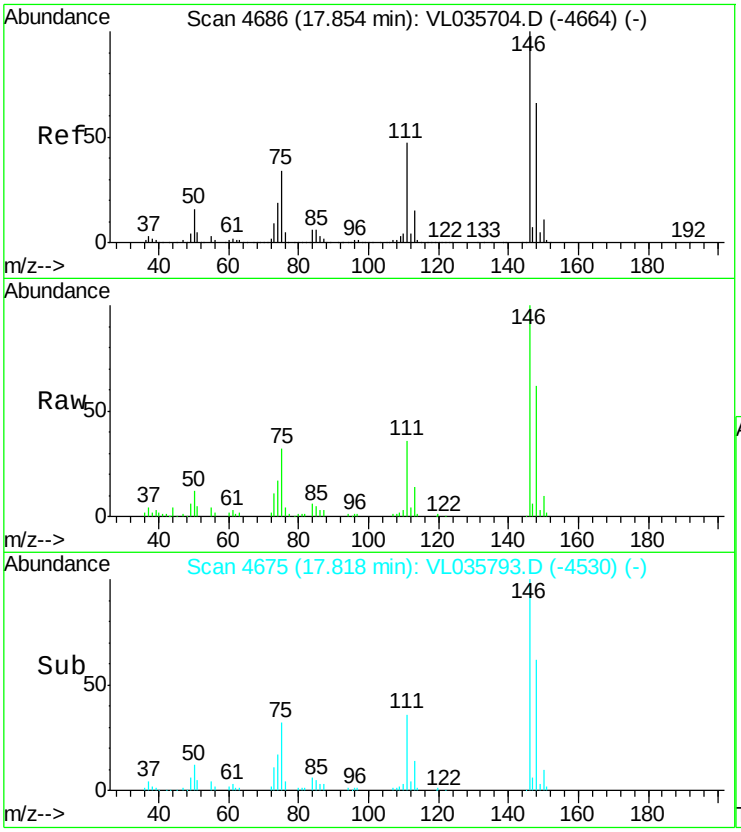


#76
1,4-Dichlorobenzene
Concen: 0.362 ppbv
RT: 17.13 min Scan# 4462
Delta R.T. -0.04 min
Lab File: VL035793.D
Acq: 19 Oct 2020 14:03

Tgt Ion:146 Resp: 107101

Ion	Ratio	Lower	Upper
146	100		
111	43.4	21.4	64.3
148	63.1	32.6	98.0



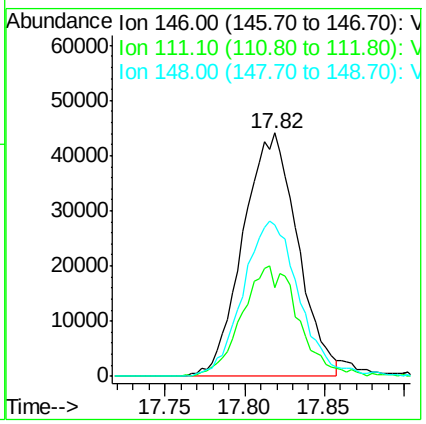


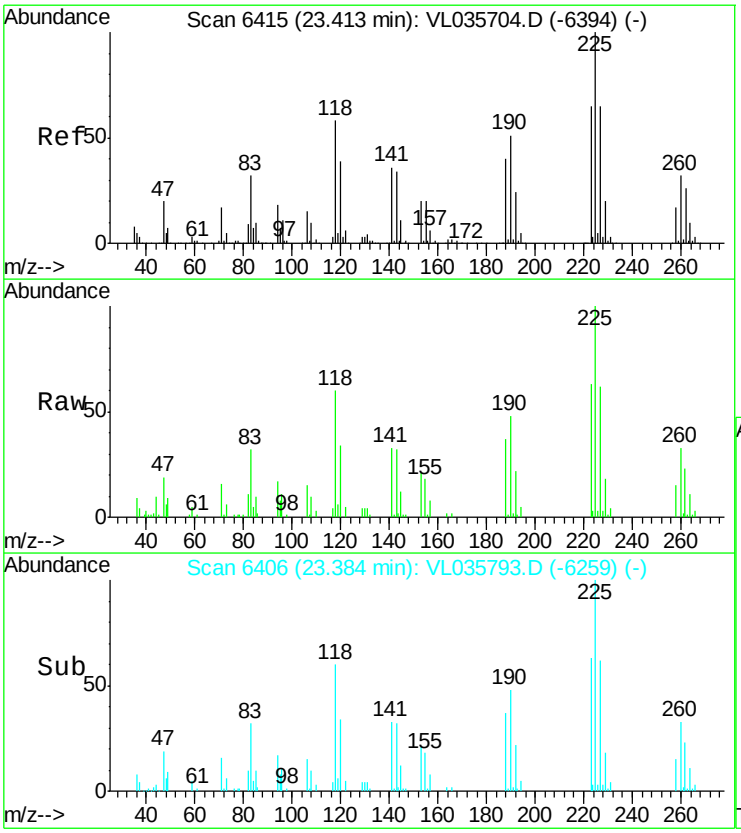
#77
1,2-Dichlorobenzene
Concen: 0.353 ppbv
RT: 17.82 min Scan# 4675
Delta R.T. -0.04 min
Lab File: VL035793.D
Acq: 19 Oct 2020 14:03

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

Tgt Ion:146 Resp: 103407

Ion	Ratio	Lower	Upper
146	100		
111	47.0	22.9	68.5
148	66.1	32.6	98.0

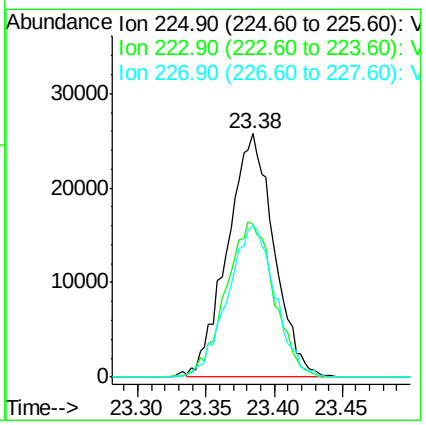


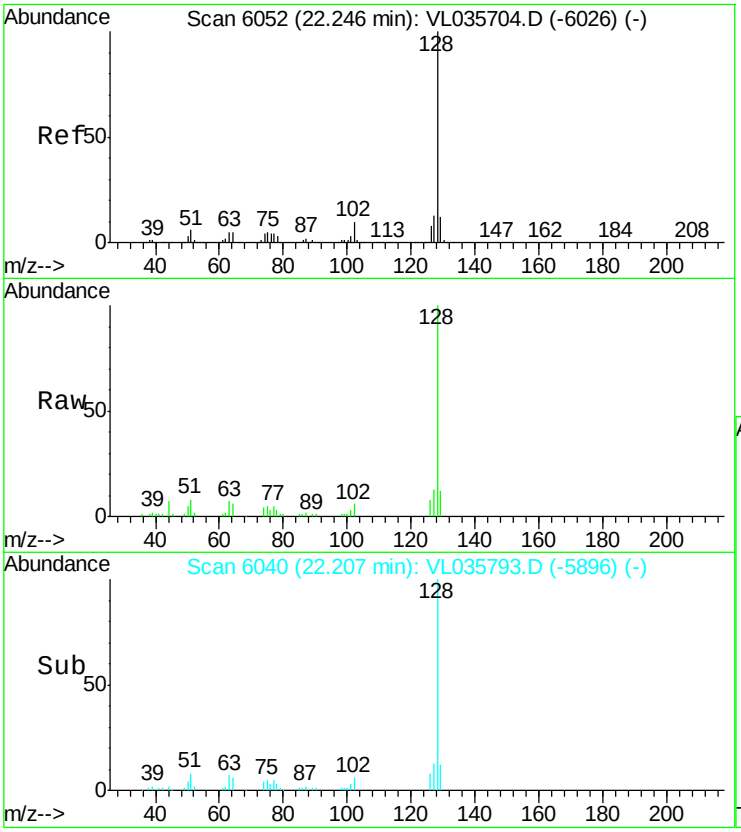


#78
Hexachloro-1,3-Butadiene
Concen: 0.378 ppbv
RT: 23.38 min Scan# 6406
Delta R.T. -0.03 min
Lab File: VL035793.D
Acq: 19 Oct 2020 14:03

Tgt Ion:225 Resp: 61090

Ion	Ratio	Lower	Upper
225	100		
223	66.0	51.3	76.9
227	63.1	51.6	77.4



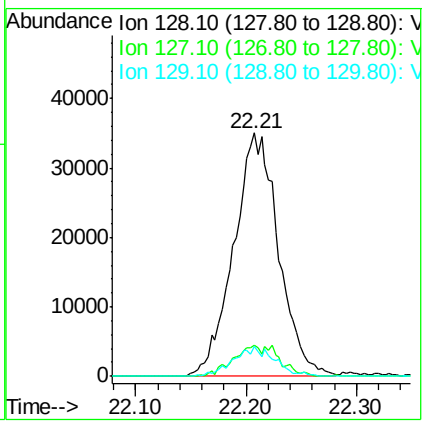


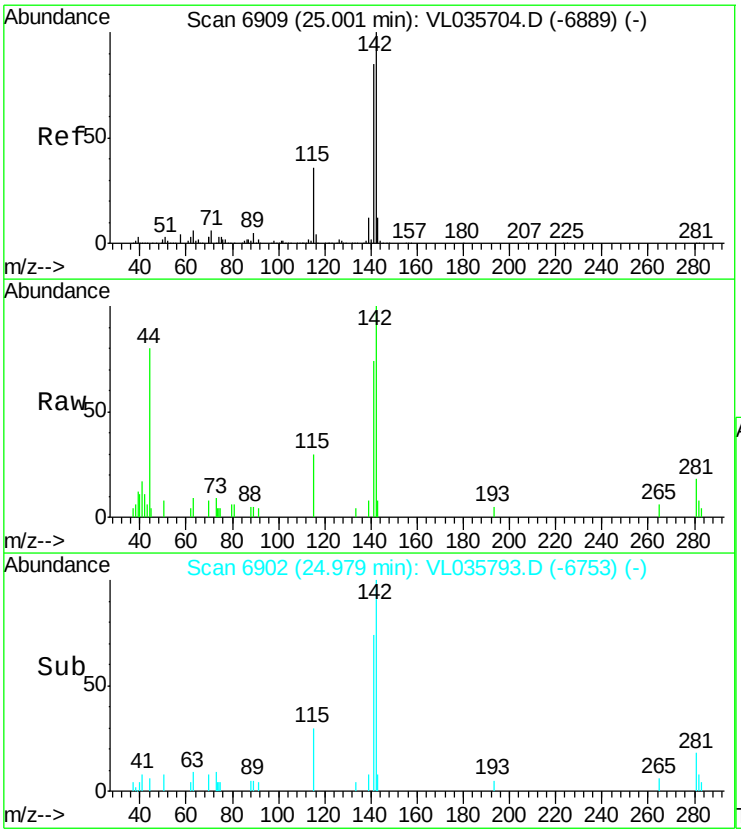
#79
Naphthalene
Concen: 0.229 ppbv
RT: 22.21 min Scan# 6040
Delta R.T. -0.04 min
Lab File: VL035793.D
Acq: 19 Oct 2020 14:03

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

Tgt Ion:128 Resp: 99003

Ion	Ratio	Lower	Upper
128	100		
127	12.7	10.6	15.8
129	12.2	9.4	14.0

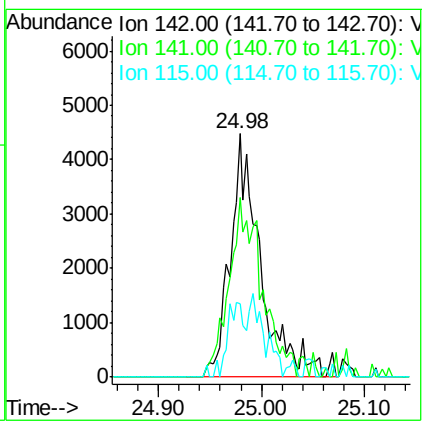


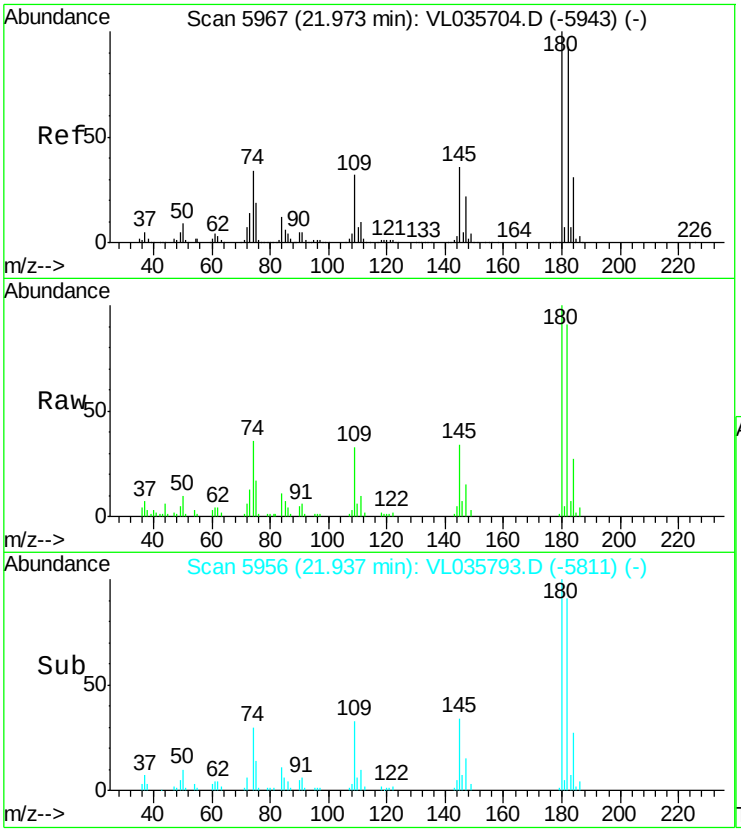


#80
Naphthalene,2-methyl-
Concen: 0.091 ppbv
RT: 24.98 min Scan# 6902
Delta R.T. -0.02 min
Lab File: VL035793.D
Acq: 19 Oct 2020 14:03

Tgt Ion:142 Resp: 9254

Ion	Ratio	Lower	Upper
142	100		
141	78.9	68.2	102.4
115	40.0	27.8	41.6





#81
1,2,4-Trichlorobenzene
Concen: 0.297 ppbv
RT: 21.94 min Scan# 5956
Delta R.T. -0.04 min
Lab File: VL035793.D
Acq: 19 Oct 2020 14:03

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

Tgt Ion:180 Resp: 66576

Ion	Ratio	Lower	Upper
180	100		
182	94.7	76.2	114.2
184	30.2	24.6	37.0