Quantitation Report (Not Reviewed)

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_L\DATA\VL102521\
Data File : VL037901.D
Acq On : 25 Oct 2021 19:55
Operator : SY/AP
Sample : M4068-15 0.45
Misc : 400mL/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_L
ClientSampleId :
MDL-AIR-03-QT4-2021

Quant Time: Oct 25 23:52:22 2021
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL100421AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LMon Oct 04 17:43:54 2021
QLast Update : Mon Oct 04 17:43:54 2021
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
1) Bromochloromethane	5.68	49	1367256	10.00	ppbv		0.01
33) 1,4-Difluorobenzene	7.19	114	4217214	10.00	ppbv		0.01
55) Chlorobenzene-d5	12.10	117	3558742	10.00	ppbv		0.01
System Monitoring Compounds							
68) 1-Bromo-4-Fluorobenzene	14.43	95	2533693	10.18	ppbv		0.01
Spiked Amount 10.000	Range 65 - 135		Recovery = 101.80%				
Target Compounds							Qvalue
2) Dichlorodifluoromethane	3.07	85	106837	0.489	ppbv		97
3) Chlorodifluoromethane	3.00	51	128598	0.490	ppbv		97
4) Chloromethane	3.15	50	45535	0.473	ppbv	#	88
5) Vinyl Chloride	3.28	62	31515	0.357	ppbv	#	88
6) Bromomethane	3.49	94	17825	0.374	ppbv	#	65
7) Chloroethane	3.57	64	11562	0.356	ppbv		94
8) Dichlorotetrafluoroethane	3.20	85	103343	0.479	ppbv		92
9) Propene	3.02	41	35833	0.371	ppbv		87
10) Heptane	8.14	43	50511	0.230	ppbv	#	52
11) Trichlorofluoromethane	3.96	101	97013	0.498	ppbv	#	82
12) 1,1,2-Trichlorotrifluoroet	4.49	101	64788	0.439	ppbv		86
13) Ethanol	3.63	45	1166	0.147	ppbv	#	1
14) Bromoethene	3.75	108	14219	0.219	ppbv	#	2
15) Acetone	3.90	43	4623	0.038	ppbv	#	1
16) 1,3-Butadiene	3.34	39	23309	0.261	ppbv	#	48
18) 1,1-Dichloroethene	4.31	96	32072	0.478	ppbv	#	77
20) Methylene Chloride	4.36	84	37412	0.603	ppbv		84
21) Allyl Chloride	4.42	41	20341	0.187	ppbv	#	17
22) trans-1,2-Dichloroethene	4.90	96	26644	0.395	ppbv		85
23) Vinyl Acetate	5.10	43	66665	0.362	ppbv	#	89
24) 1,1-Dichloroethane	5.03	63	57868	0.432	ppbv		99
25) Ethyl Acetate	5.71	43	134808	0.391	ppbv	#	91
26) Hexane	5.70	57	61809	0.364	ppbv	#	73
27) Carbon Disulfide	4.57	76	31768	0.211	ppbv	#	39
28) Methyl tert-Butyl Ether	5.06	73	46071	0.326	ppbv	#	82
29) Chloroform	5.77	83	112821	0.465	ppbv		87
30) Cyclohexane	7.15	84	17032	0.118	ppbv	#	1
31) cis-1,2-Dichloroethene	5.57	61	51817	0.337	ppbv	#	87
32) 1,1,1-Trichloroethane	6.52	97	64196	0.279	ppbv	#	56
34) 2-Butanone	5.28	43	25403	0.149	ppbv	#	53
35) Carbon Tetrachloride	7.03	117	95733	0.400	ppbv		95
36) Benzene	6.91	78	122941	0.341	ppbv	#	91
37) 1,2-Dichloroethane	6.32	62	41014	0.242	ppbv	#	74
38) Trichloroethene	7.85	130	29052	0.204	ppbv		96
39) 1,2-Dichloropropane	7.64	63	16263	0.120	ppbv		92
41) Tetrahydrofuran	6.09	42	7582	0.091	ppbv	#	36
42) Bromodichloromethane	7.81	83	92672	0.372	ppbv		90
43) Methyl Methacrylate	8.04	69	20527	0.174	ppbv	#	36
44) 2,2,4-Trimethylpentane	7.89	57	206112	0.341	ppbv	#	90
45) t-1,3-Dichloropropene	9.30	75	9257	0.114	ppbv		92
46) cis-1,3-Dichloropropene	8.72	75	21652	0.193	ppbv	#	87

Quantitation Report (Not Reviewed)

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_L\DATA\VL102521\
Data File : VL037901.D
Acq On : 25 Oct 2021 19:55
Operator : SY/AP
Sample : M4068-15 0.45
Misc : 400mL/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_L
ClientSampleId :
MDL-AIR-03-QT4-2021

Quant Time: Oct 25 23:52:22 2021
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL100421AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LMon Oct 04 17:43:54 2021
QLast Update : Mon Oct 04 17:43:54 2021
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
47) 1,1,2-Trichloroethane	9.49	97	28147	0.191	ppbv		91
48) Dibromochloromethane	10.32	129	50214	0.239	ppbv		61
49) Bromoform	13.06	173	43436	0.270	ppbv	#	87
50) 4-Methyl-2-Pentanone	8.77	43	11053	0.050	ppbv	#	38
51) 2-Hexanone	10.16	43	2508	0.025	ppbv	#	29
52) Tetrachloroethene	11.24	164	32722	0.233	ppbv		92
53) Toluene	9.82	91	63291	0.159	ppbv	#	55
54) 1,2-Dibromoethane	10.63	107	35777	0.180	ppbv		83
56) 1,1,1,2-Tetrachloroethane	12.14	131	66092	0.449	ppbv	#	1
57) Chlorobenzene	12.16	112	128333	0.440	ppbv	#	89
58) Ethyl Benzene	12.73	91	128475	0.269	ppbv		98
59) m/p-Xylene	13.01	91	50363	0.123	ppbv	#	1
60) o-Xylene	13.71	91	73106	0.186	ppbv	#	51
61) Styrene	13.54	104	8917	0.047	ppbv	#	1
62) Isopropylbenzene	14.68	105	196253	0.358	ppbv		98
63) 1,1,2,2-Tetrachloroethane	13.69	83	129349	0.426	ppbv		95
64) n-propylbenzene	15.57	120	20570	0.150	ppbv	#	1
65) tert-Butylbenzene	16.76	119	93122	0.193	ppbv	#	20
66) Benzyl Chloride	17.00	91	840	0.035	ppbv	#	59
67) sec-Butylbenzene	17.31	105	139630	0.212	ppbv	#	58
69) p-Isopropyltoluene	17.67	119	124210	0.233	ppbv	#	80
70) n-Butylbenzene	18.57	91	138585	0.273	ppbv		98
71) 2-Chlorotoluene	15.47	91	125505	0.324	ppbv		99
72) 4-Ethyltoluene	15.86	105	120272	0.269	ppbv	#	89
73) 1,3,5-Trimethylbenzene	16.01	105	127274	0.314	ppbv		91
74) 1,2,4-Trimethylbenzene	16.78	105	68744	0.161	ppbv		93
75) 1,3-Dichlorobenzene	17.01	146	45578	0.173	ppbv	#	1
76) 1,4-Dichlorobenzene	17.15	146	54191	0.215	ppbv	#	34
77) 1,2-Dichlorobenzene	17.83	146	90953	0.359	ppbv		91
78) Hexachloro-1,3-Butadiene	23.39	225	92833	0.449	ppbv		95
79) Naphthalene	22.22	128	13555	0.052	ppbv	#	44
80) Naphthalene,2-methyl-	25.00	142	3690	0.053	ppbv	#	72
81) 1,2,4-Trichlorobenzene	21.94	180	22073	0.132	ppbv	#	1

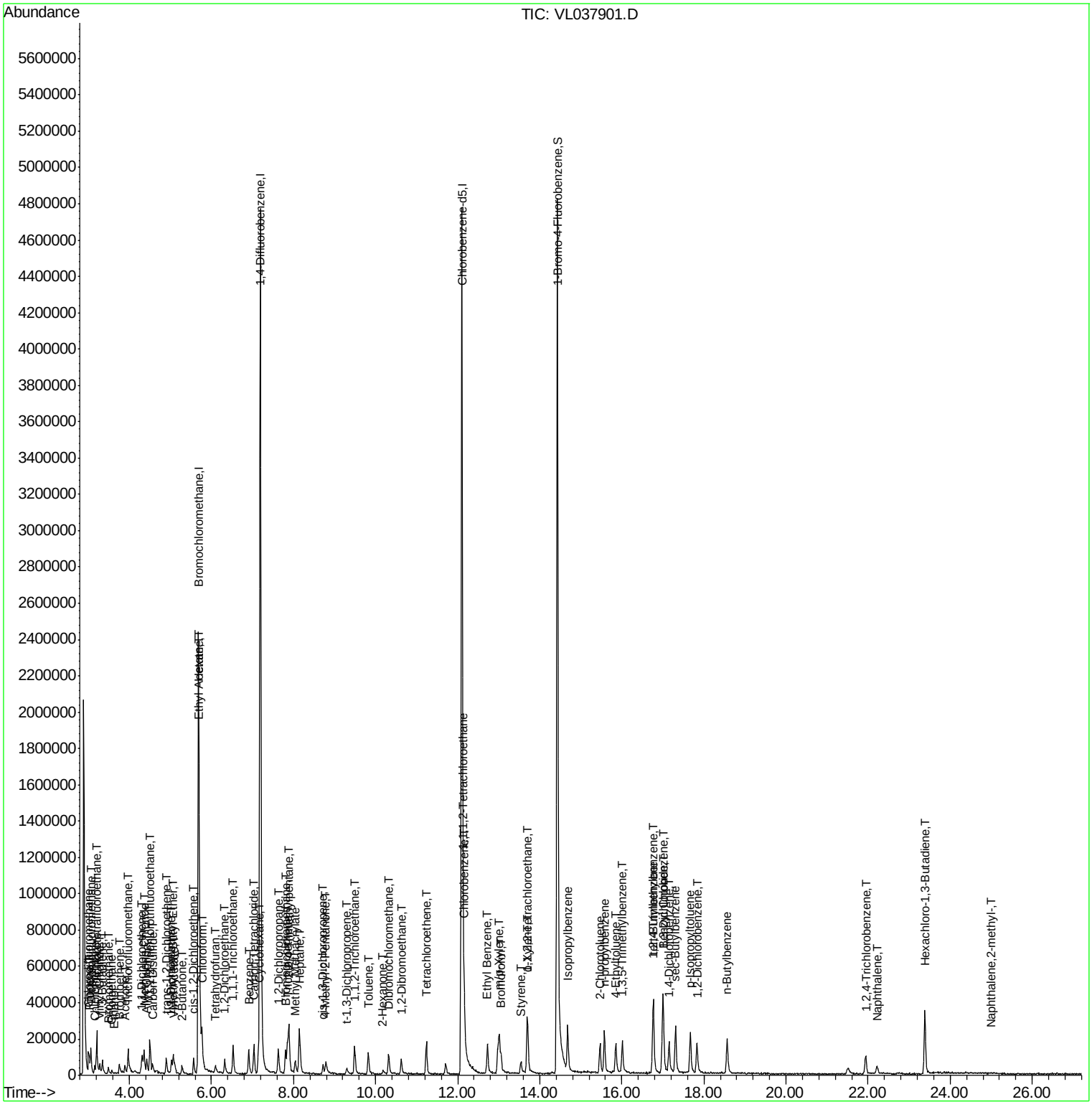
(#) = qualifier out of range (m) = manual integration (+) = signals summed

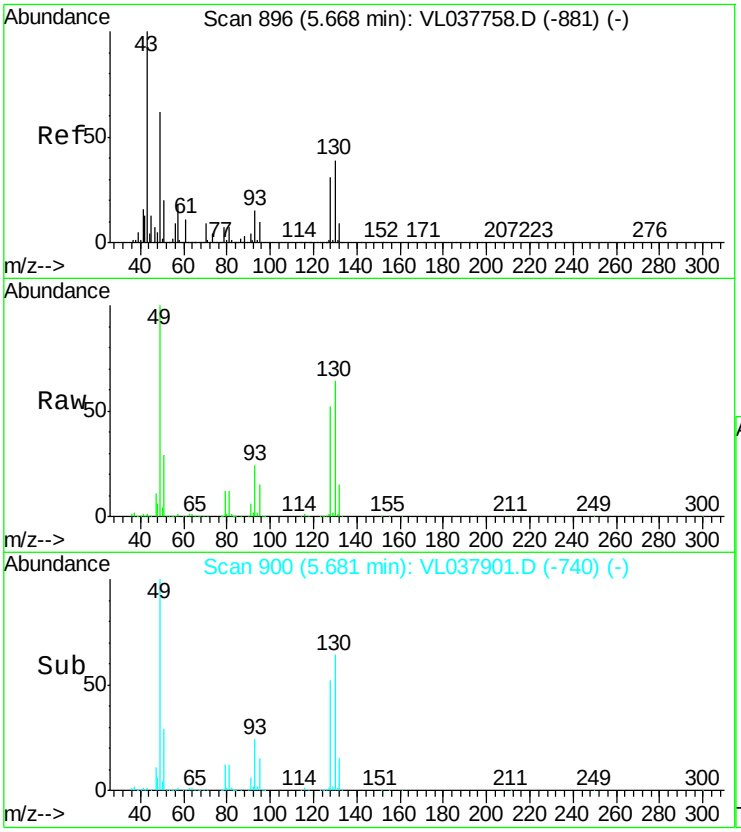
Quantitation Report (Not Reviewed)

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_L\DATA\VL102521\
Data File : VL037901.D
Acq On : 25 Oct 2021 19:55
Operator : SY/AP
Sample : M4068-15 0.45
Misc : 400mL/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_L
ClientSampleId :
MDL-AIR-03-QT4-2021

Quant Time: Oct 25 23:52:22 2021
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL100421AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LMon Oct 04 17:43:54 2021
QLast Update : Mon Oct 04 17:43:54 2021
Response via : Initial Calibration



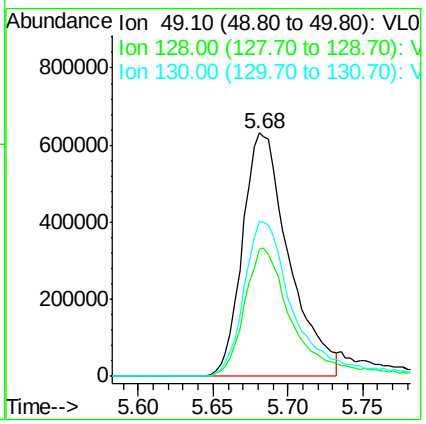


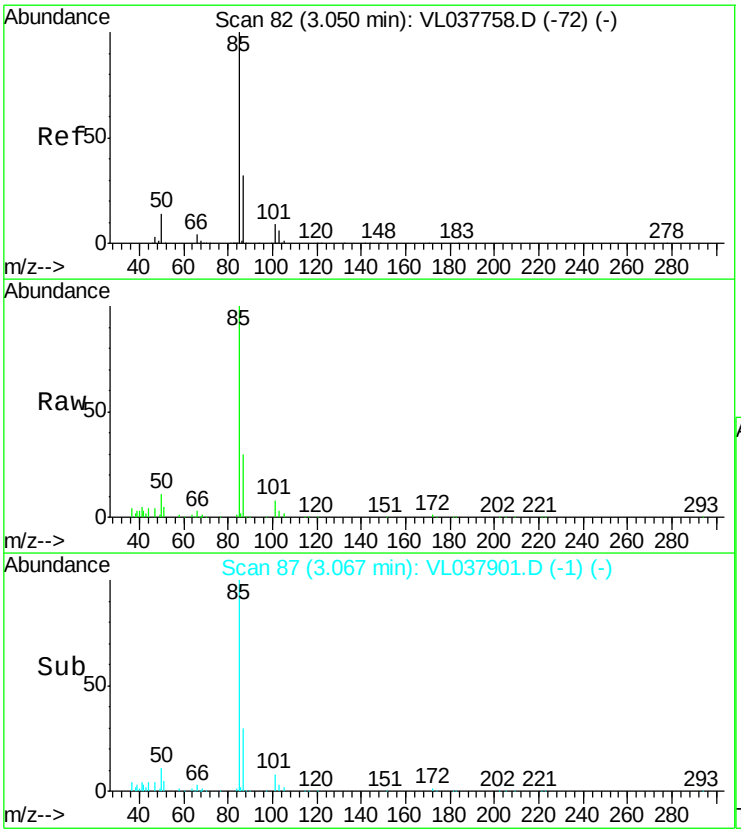
#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 5.68
Delta R.T
Lab File:
Acq: 25 Oct 2021 19:55

Instrument :
MSVOA_L
ClientSampleId :
MDL-AIR-03-QT4-2021

Tgt Ion: 49 Resp: 1367256

Ion	Ratio	Lower	Upper
49	100		
128	56.4	27.1	81.3
130	71.5	33.2	99.6

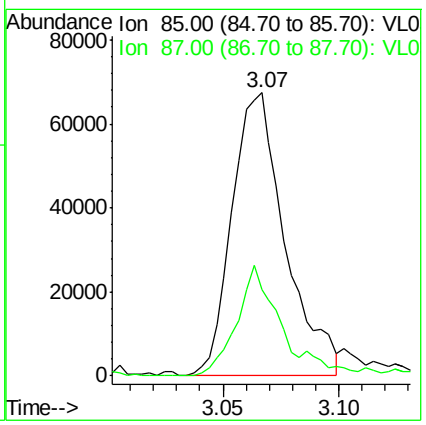


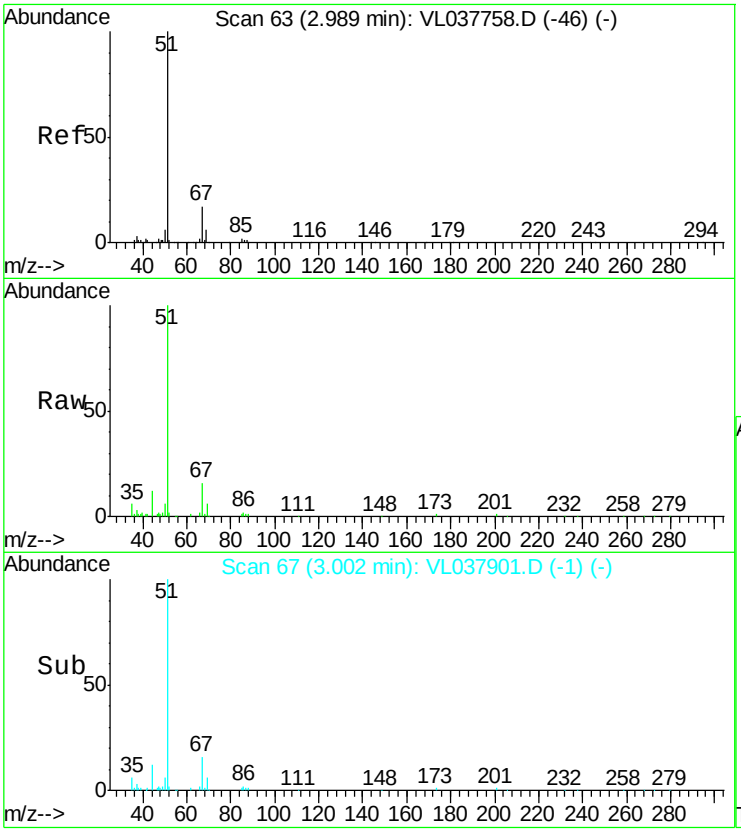


#2
Dichlorodifluoromethane
Concen: 0.489 ppbv
RT: 3.07 min Scan# 87
Delta R.T. 0.02 min
Lab File: VL037901.D
Acq: 25 Oct 2021 19:55

Tgt Ion: 85 Resp: 106837

Ion	Ratio	Lower	Upper
85	100		
87	30.5	25.7	38.5



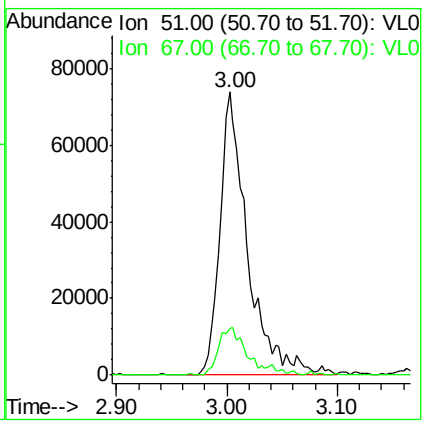


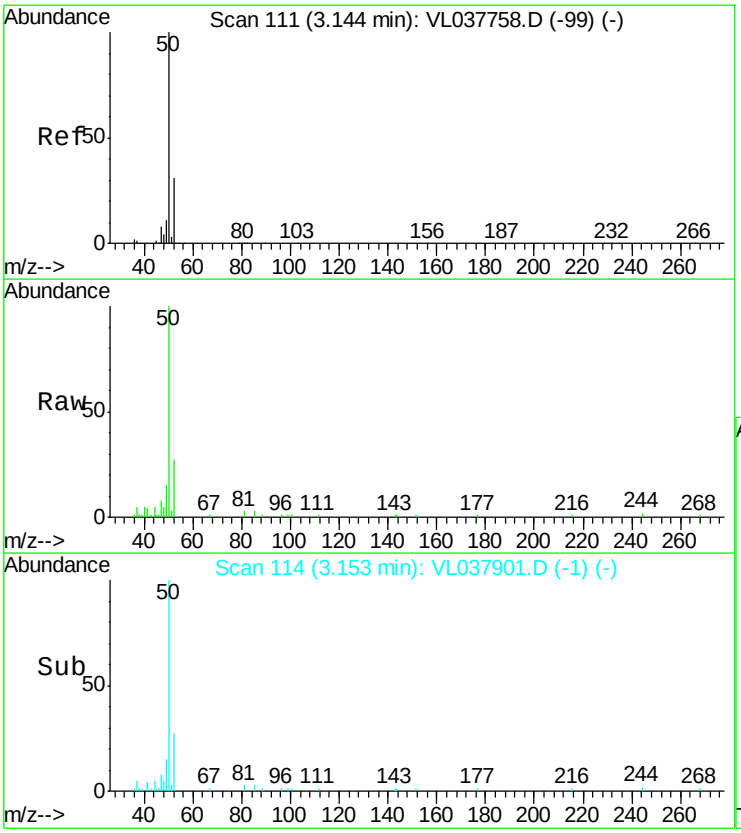
#3
Chlorodifluoromethane
Concen: 0.490 ppbv
RT: 3.00
Delta R.T
Lab File:
Acq: 25 Oct 2021 19:55

Instrument :
MSVOA_L
ClientSampleId :
MDL-AIR-03-QT4-2021

Tgt Ion: 51 Resp: 128598

Ion	Ratio	Lower	Upper
51	100		
67	18.3	13.5	20.3

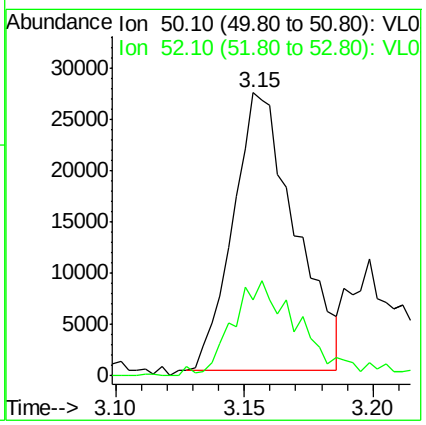


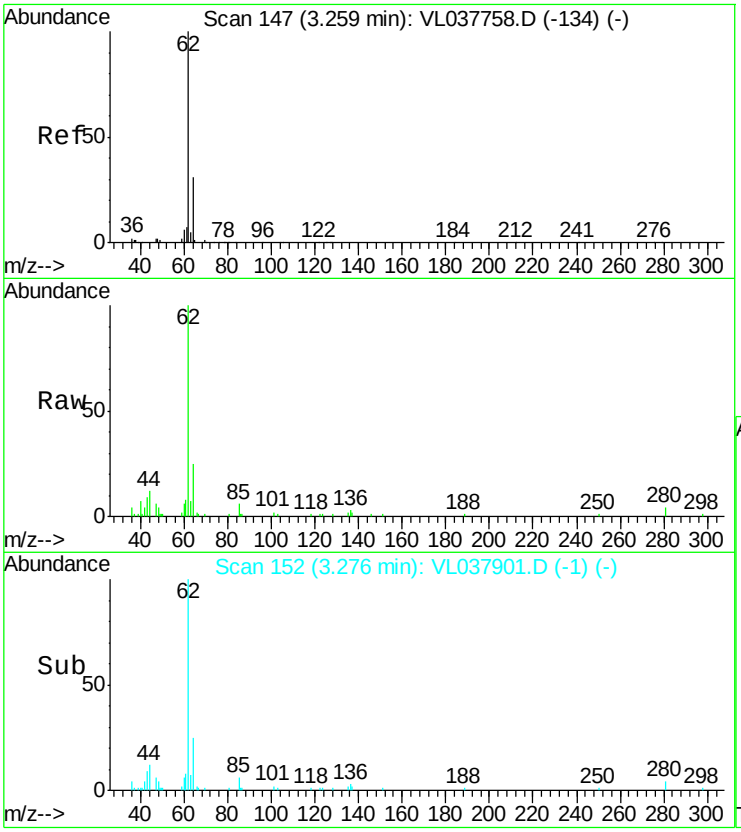


#4
Chloromethane
Concen: 0.473 ppbv
RT: 3.15 min Scan# 114
Delta R.T. 0.01 min
Lab File: VL037901.D
Acq: 25 Oct 2021 19:55

Tgt Ion: 50 Resp: 45535

Ion	Ratio	Lower	Upper
50	100		
52	23.7	24.4	36.6#



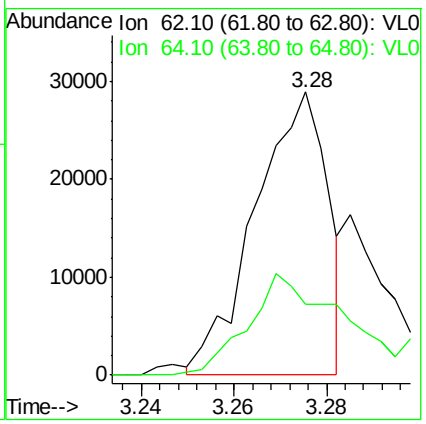


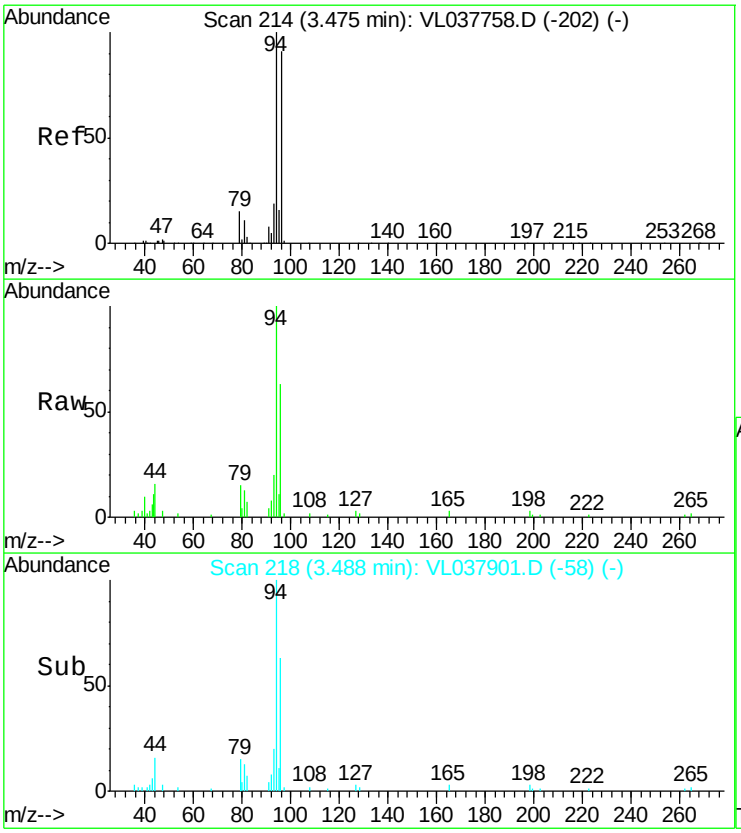
#5
Vinyl Chloride
Concen: 0.357 ppbv
RT: 3.28
Delta R.T
Lab File:
Acq: 25 Oct 2021 19:55

Instrument :
MSVOA_L
ClientSampleId :
MDL-AIR-03-QT4-2021

Tgt Ion: 62 Resp: 31515

Ion	Ratio	Lower	Upper
62	100		
64	24.6	24.9	37.3#

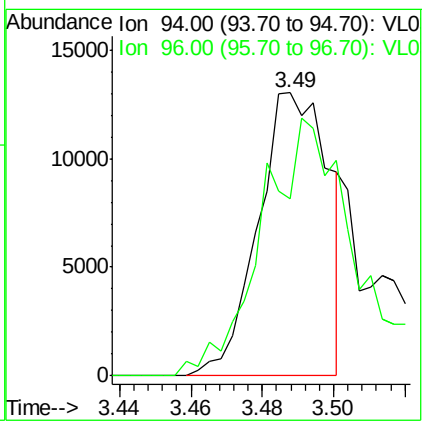


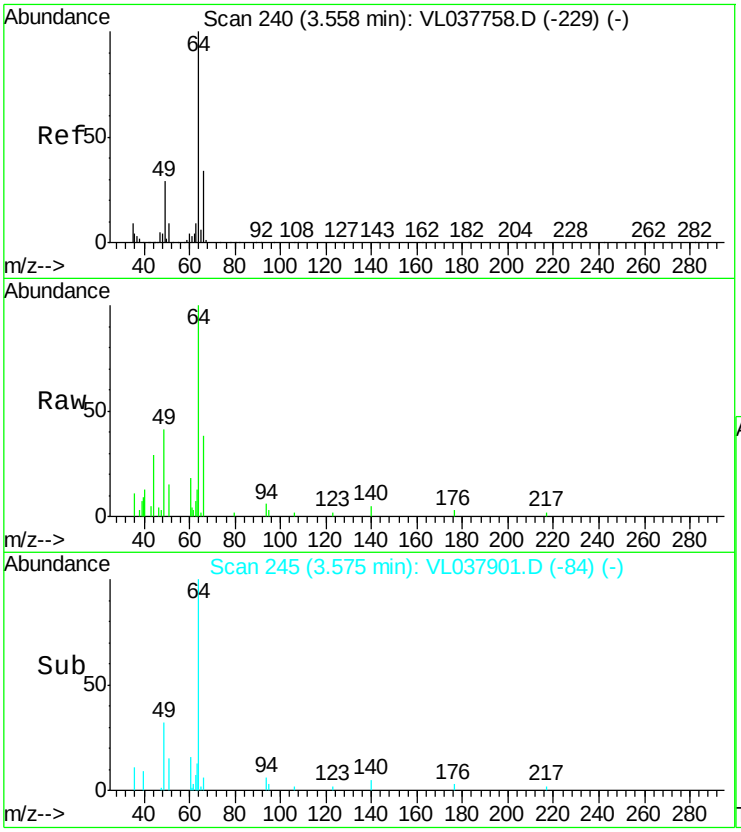


#6
Bromomethane
Concen: 0.374 ppbv
RT: 3.49 min Scan# 218
Delta R.T. 0.01 min
Lab File: VL037901.D
Acq: 25 Oct 2021 19:55

Tgt Ion: 94 Resp: 17825

Ion	Ratio	Lower	Upper
94	100		
96	57.7	72.5	108.7#



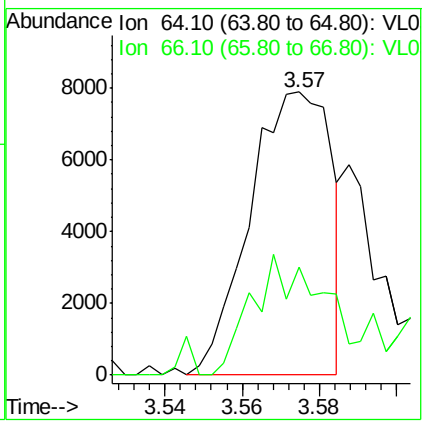


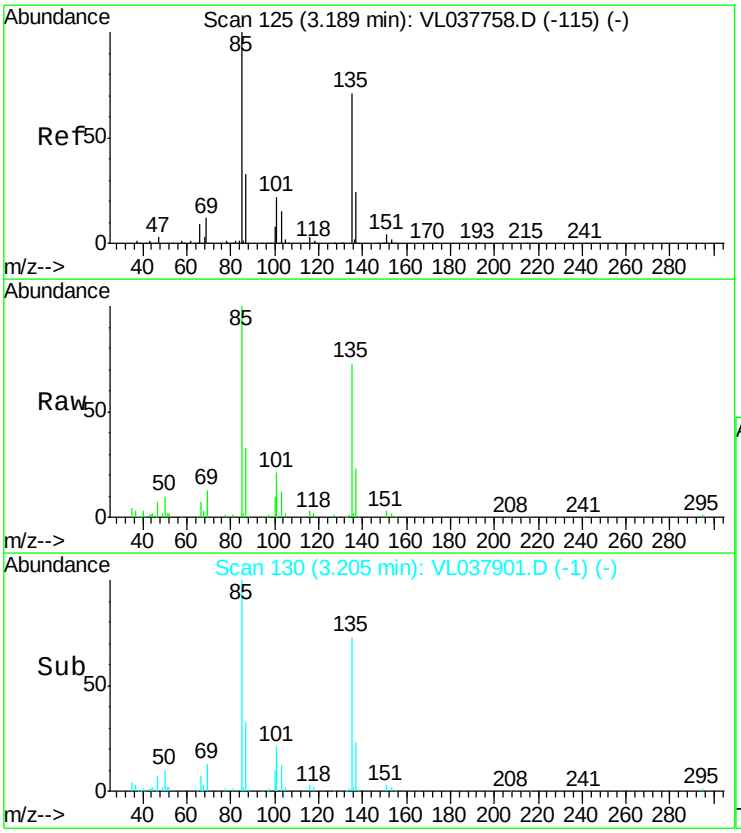
#7
Chloroethane
Concen: 0.356 ppbv
RT: 3.57
Delta R.T
Lab File:
Acq: 25 Oct 2021 19:55

Instrument :
MSVOA_L
ClientSampleId :
MDL-AIR-03-QT4-2021

Tgt Ion: 64 Resp: 11562

Ion	Ratio	Lower	Upper
64	100		
66	38.1	27.5	41.3

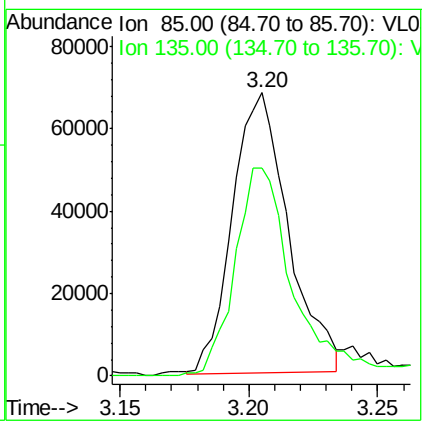


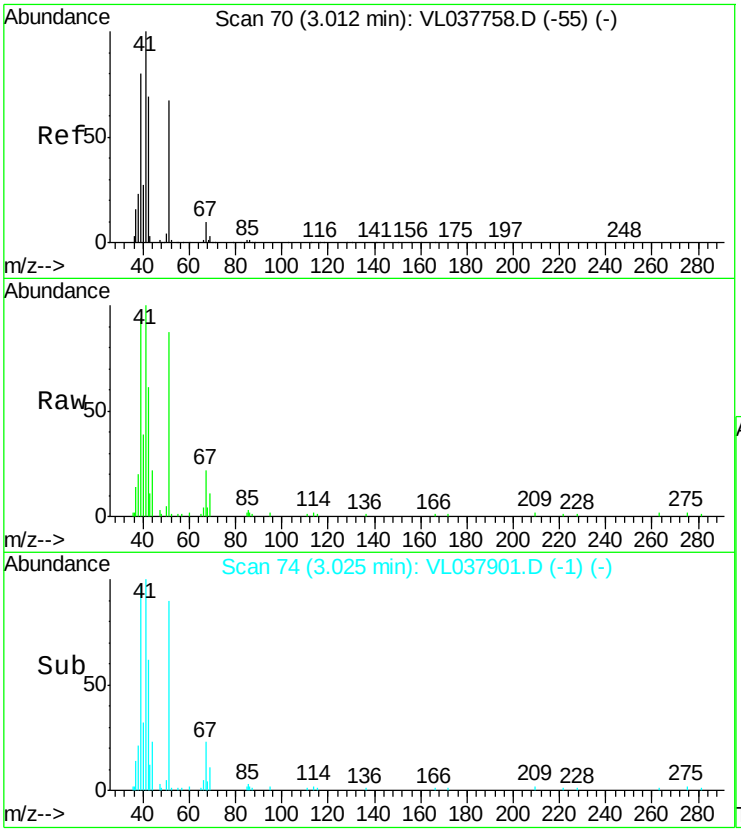


#8
Dichlorotetrafluoroethane
Concen: 0.479 ppbv
RT: 3.20 min Scan# 130
Delta R.T. 0.02 min
Lab File: VL037901.D
Acq: 25 Oct 2021 19:55

Tgt Ion: 85 Resp: 103343

Ion	Ratio	Lower	Upper
85	100		
135	81.1	59.5	89.3



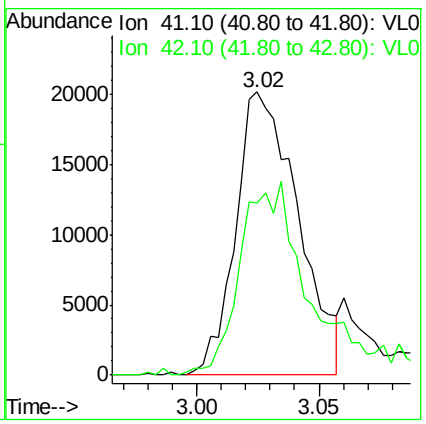


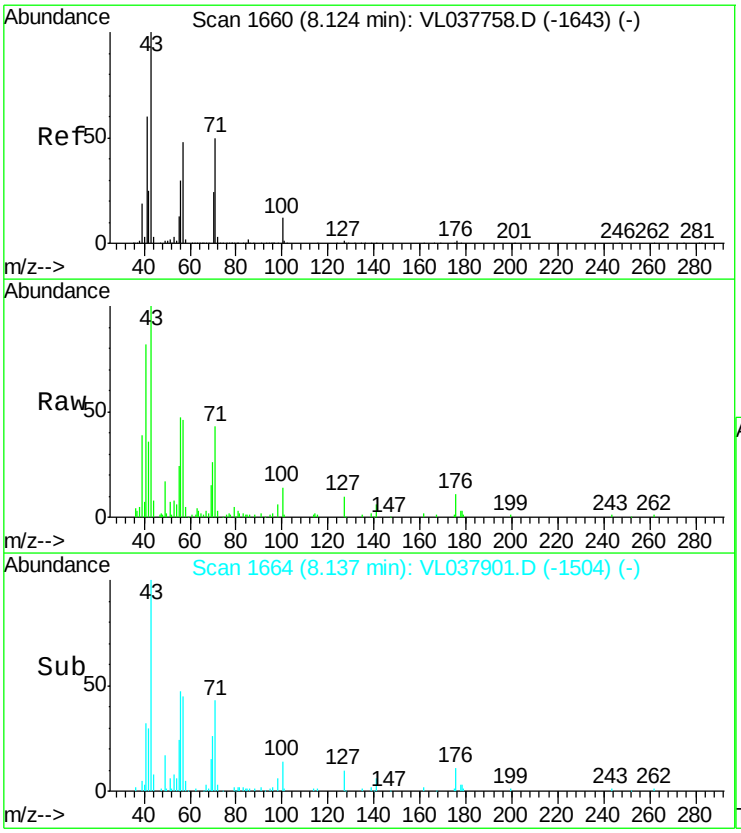
#9
Propene
Concen: 0.371 ppbv
RT: 3.02
Delta R.T
Lab File:
Acq: 25 Oct 2021 19:55

Instrument :
MSVOA_L
ClientSampleId :
MDL-AIR-03-QT4-2021

Tgt Ion: 41 Resp: 35833

Ion	Ratio	Lower	Upper
41	100		
42	78.5	54.2	81.2

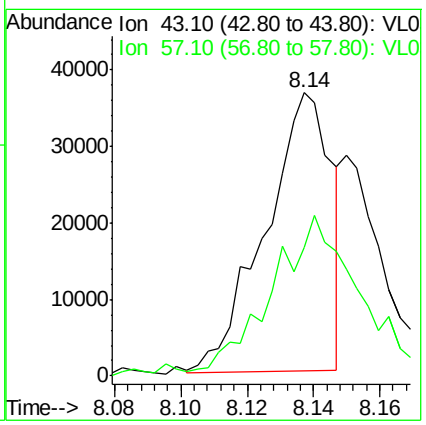


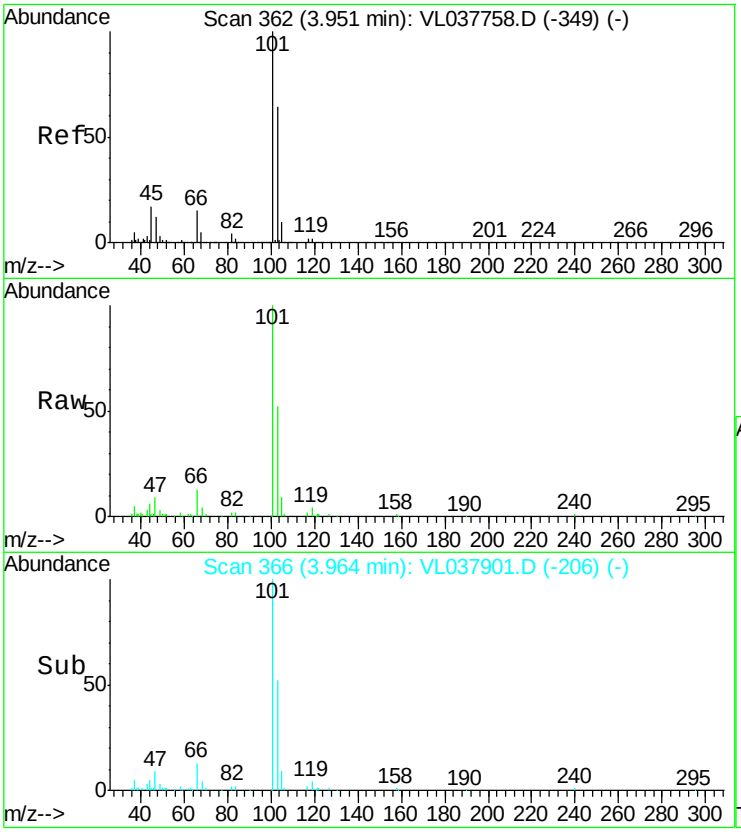


#10
Heptane
Concen: 0.230 ppbv
RT: 8.14 min Scan# 1664
Delta R.T. 0.01 min
Lab File: VL037901.D
Acq: 25 Oct 2021 19:55

Tgt Ion: 43 Resp: 50511

Ion	Ratio	Lower	Upper
43	100		
57	83.1	40.0	60.0#



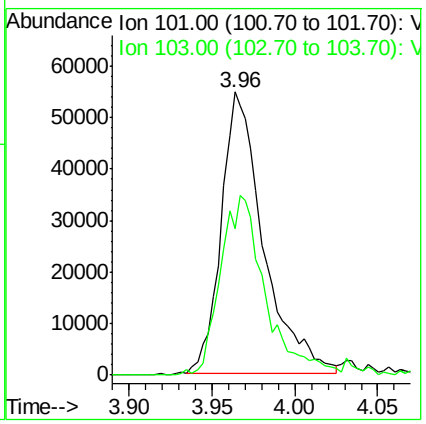


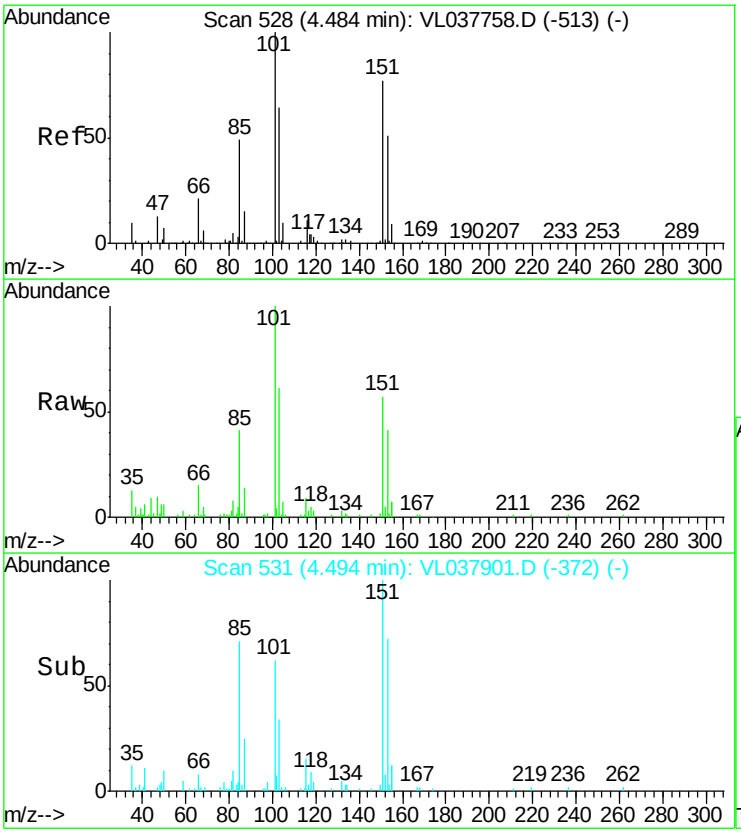
#11
Trichlorofluoromethane
Concen: 0.498 ppbv
RT: 3.96
Delta R.T
Lab File:
Acq: 25 Oct 2021 19:55

Instrument :
MSVOA_L
ClientSampleId :
MDL-AIR-03-QT4-2021

Tgt Ion:101 Resp: 97013

Ion	Ratio	Lower	Upper
101	100		
103	50.0	51.5	77.3#

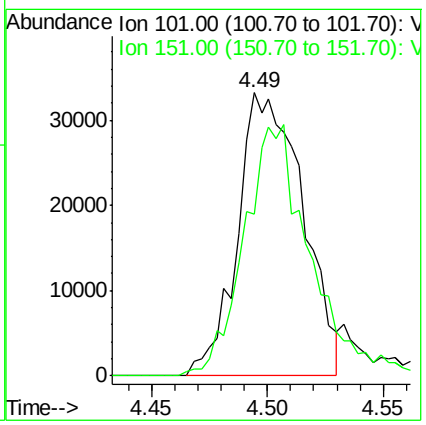


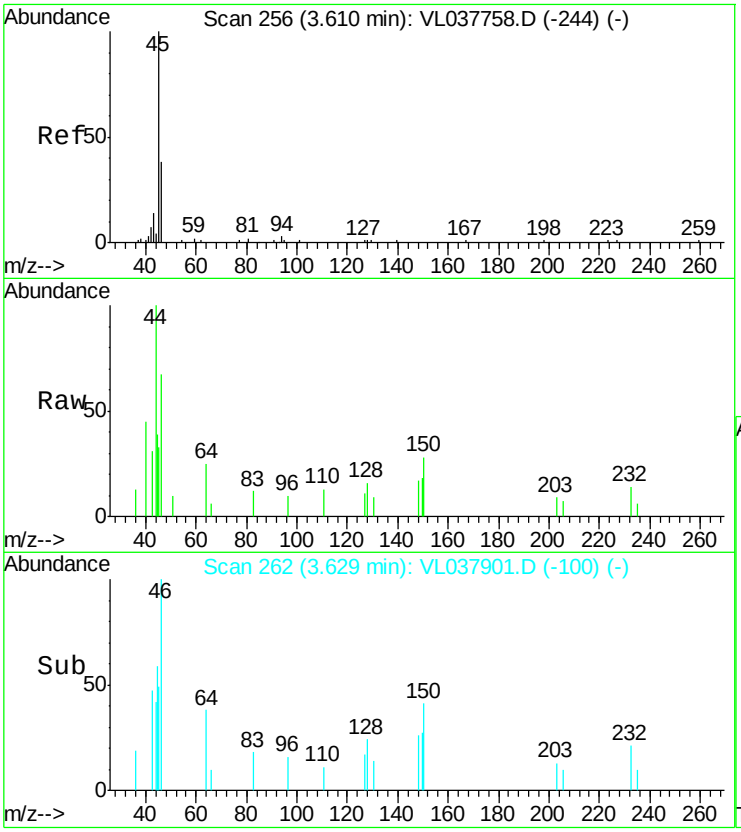


#12
1,1,2-Trichlorotrifluoroethane
Concen: 0.439 ppbv
RT: 4.49 min Scan# 531
Delta R.T. 0.01 min
Lab File: VL037901.D
Acq: 25 Oct 2021 19:55

Tgt Ion:101 Resp: 64788

Ion	Ratio	Lower	Upper
101	100		
151	90.4	62.9	94.3



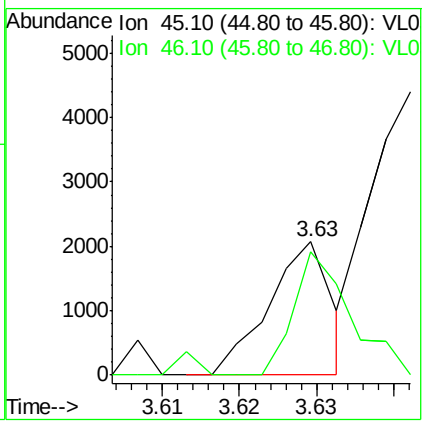


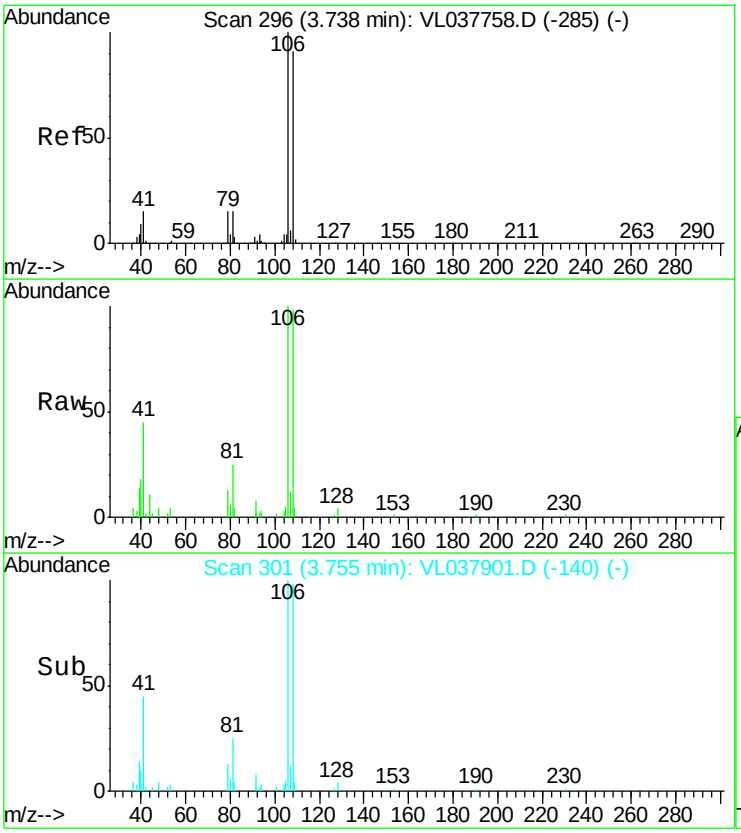
#13
Ethanol
Concen: 0.147 ppbv
RT: 3.63
Delta R.T
Lab File:
Acq: 25 Oct 2021 19:55

Instrument :
MSVOA_L
ClientSampleId :
MDL-AIR-03-QT4-2021

Tgt Ion: 45 Resp: 1166

Ion	Ratio	Lower	Upper
45	100		
46	125.0	20.2	81.0#

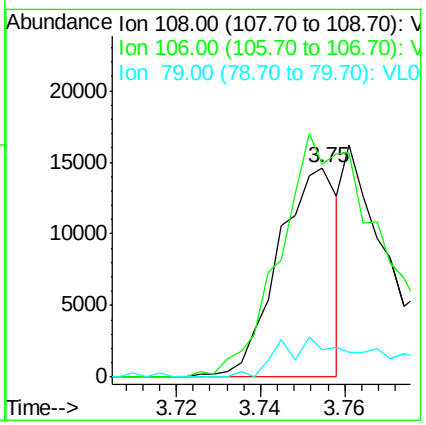


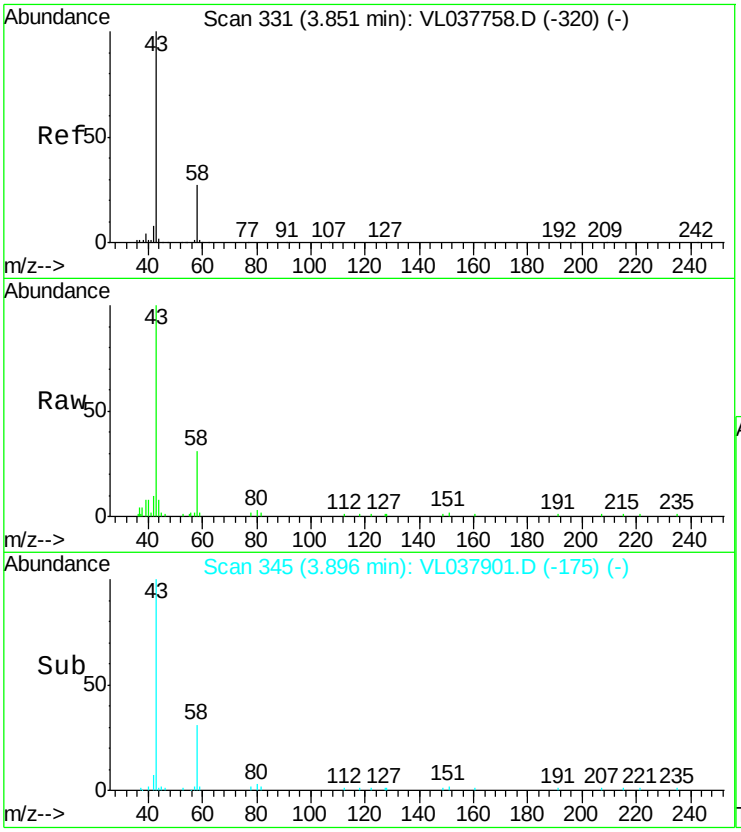


#14
Bromoethene
Concen: 0.219 ppbv
RT: 3.75 min Scan# 301
Delta R.T. 0.02 min
Lab File: VL037901.D
Acq: 25 Oct 2021 19:55

Tgt Ion:108 Resp: 14219

Ion	Ratio	Lower	Upper
108	100		
106	229.3	91.9	137.9#
79	39.0	13.9	20.9#



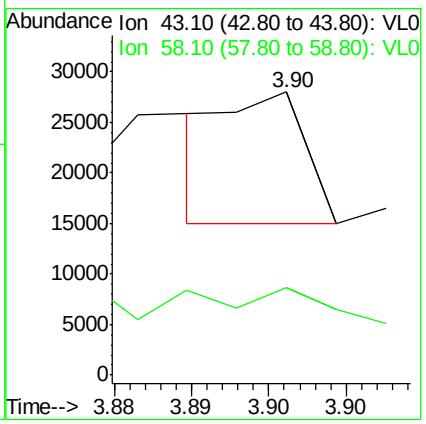


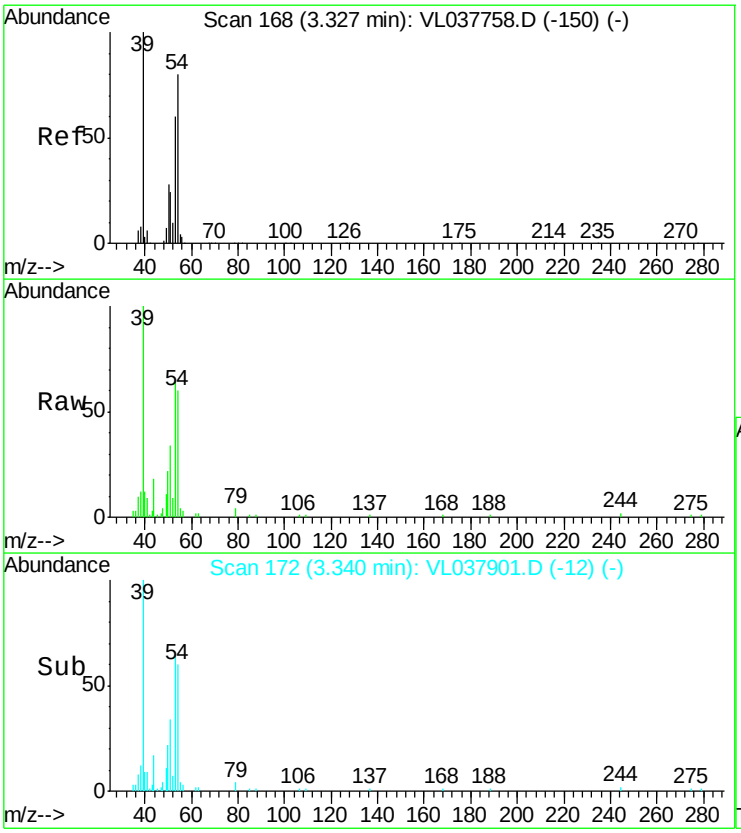
#15
Acetone
Concen: 0.038 ppbv
RT: 3.90
Delta R.T
Lab File:
Acq: 25 Oct 2021 19:55

Instrument :
MSVOA_L
ClientSampleId :
MDL-AIR-03-QT4-2021

Tgt Ion: 43 Resp: 4623

Ion	Ratio	Lower	Upper
43	100		
58	426.2	23.0	34.6#

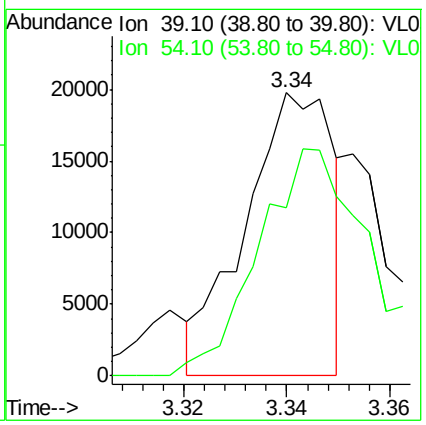


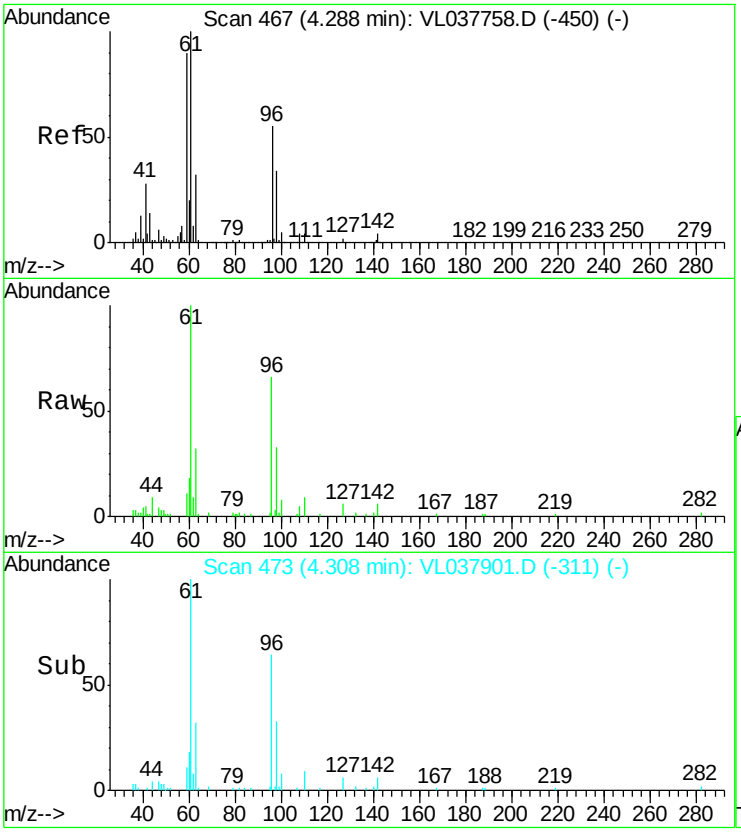


#16
1,3-Butadiene
Concen: 0.261 ppbv
RT: 3.34 min Scan# 172
Delta R.T. 0.01 min
Lab File: VL037901.D
Acq: 25 Oct 2021 19:55

Tgt Ion: 39 Resp: 23309

Ion	Ratio	Lower	Upper
39	100		
54	121.9	61.7	92.5#



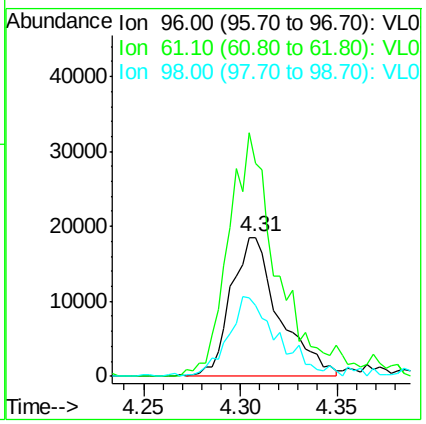


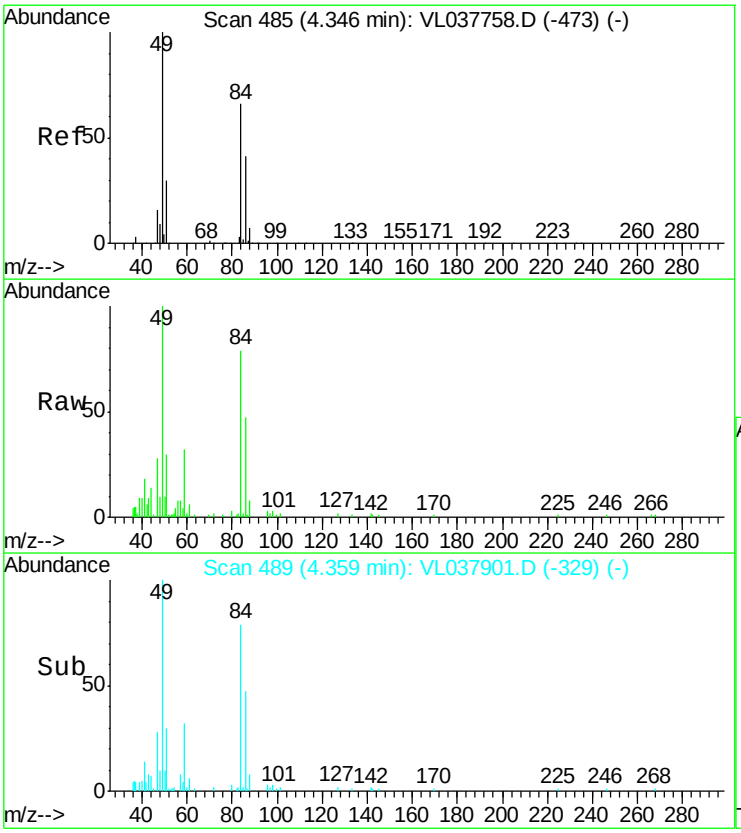
#18
1,1-Dichloroethene
Concen: 0.478 ppbv
RT: 4.31
Delta R.T
Lab File:
Acq: 25 Oct 2021 19:55

Instrument :
MSVOA_L
ClientSampleId :
MDL-AIR-03-QT4-2021

Tgt Ion: 96 Resp: 32072

Ion	Ratio	Lower	Upper
96	100		
61	147.5	146.2	219.4
98	49.3	50.0	75.0#

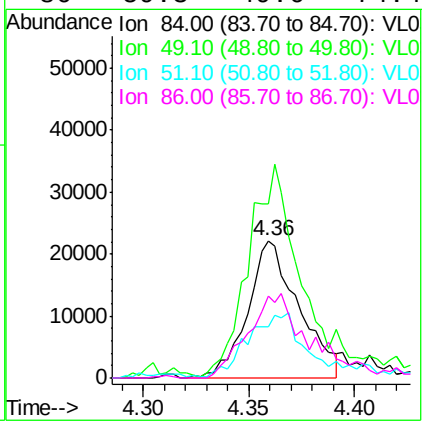


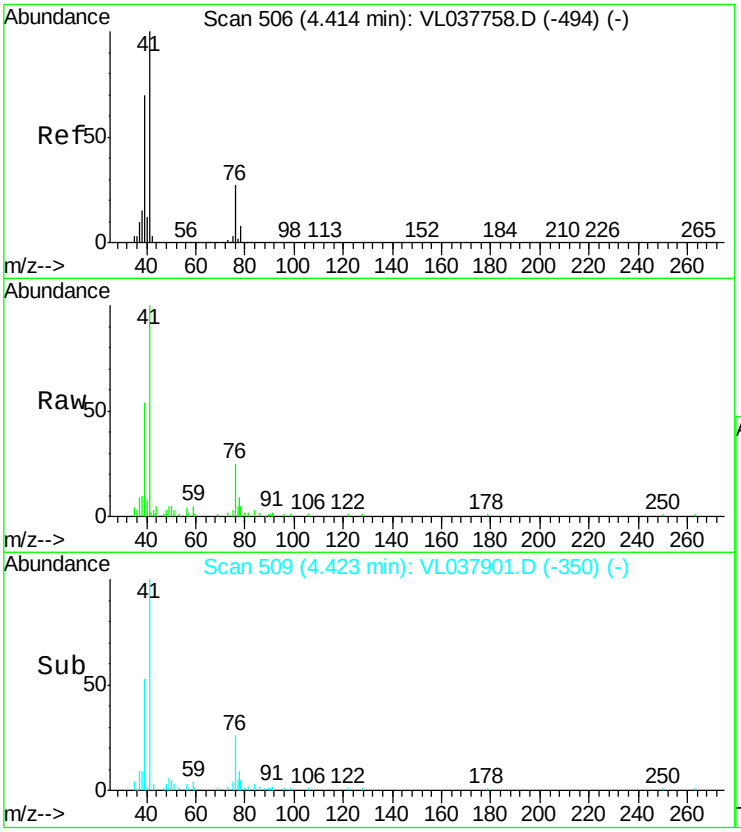


#20
Methylene Chloride
Concen: 0.603 ppbv
RT: 4.36 min Scan# 489
Delta R.T. 0.01 min
Lab File: VL037901.D
Acq: 25 Oct 2021 19:55

Tgt Ion: 84 Resp: 37412

Ion	Ratio	Lower	Upper
84	100		
49	123.2	120.7	181.1
51	36.8	36.2	54.4
86	59.3	49.6	74.4



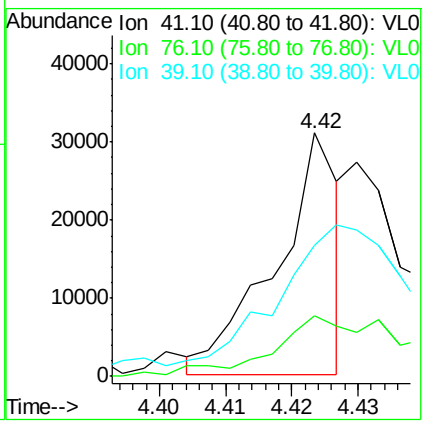


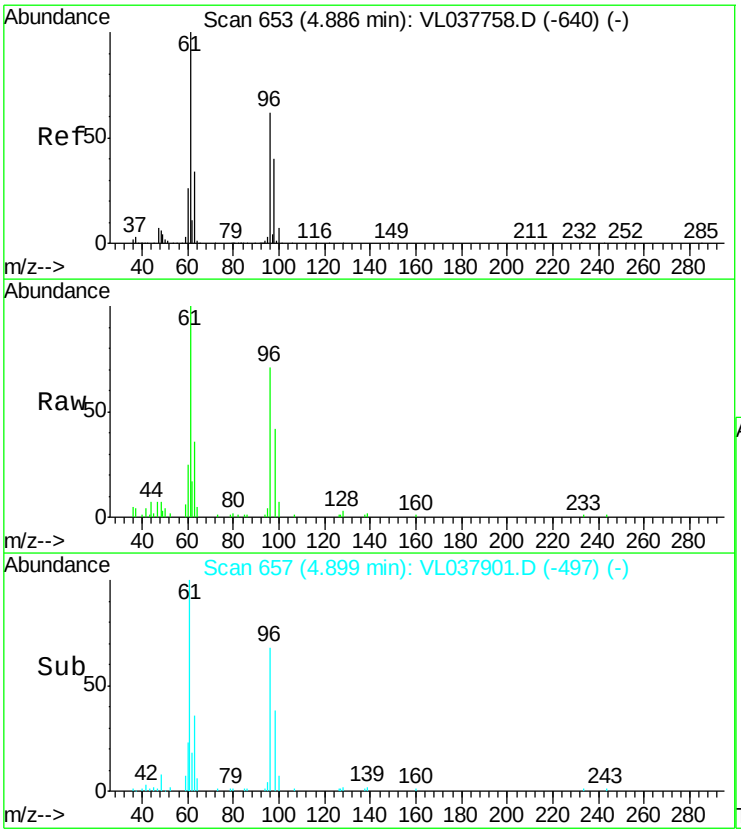
#21
Allyl Chloride
Concen: 0.187 ppbv
RT: 4.42
Delta R.T
Lab File:
Acq: 25 Oct 2021 19:55

Instrument :
MSVOA_L
ClientSampleId :
MDL-AIR-03-QT4-2021

Tgt Ion: 41 Resp: 20341

Ion	Ratio	Lower	Upper
41	100		
76	66.2	22.4	33.6#
39	0.0	58.0	87.0#

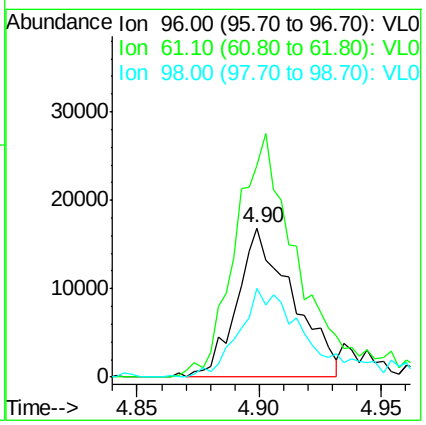


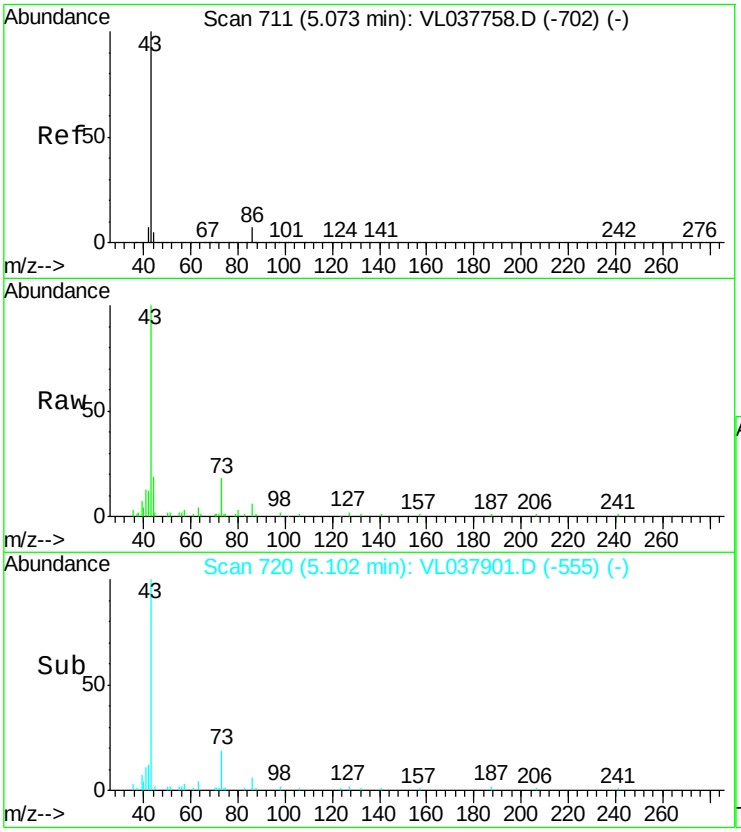


#22
trans-1,2-Dichloroethene
Concen: 0.395 ppbv
RT: 4.90 min Scan# 657
Delta R.T. 0.01 min
Lab File: VL037901.D
Acq: 25 Oct 2021 19:55

Tgt Ion: 96 Resp: 26644

Ion	Ratio	Lower	Upper
96	100		
61	137.1	129.0	193.6
98	59.1	51.7	77.5



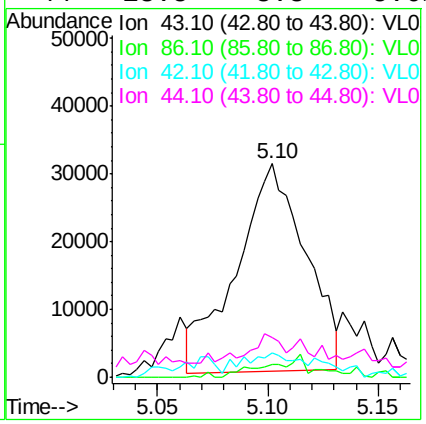


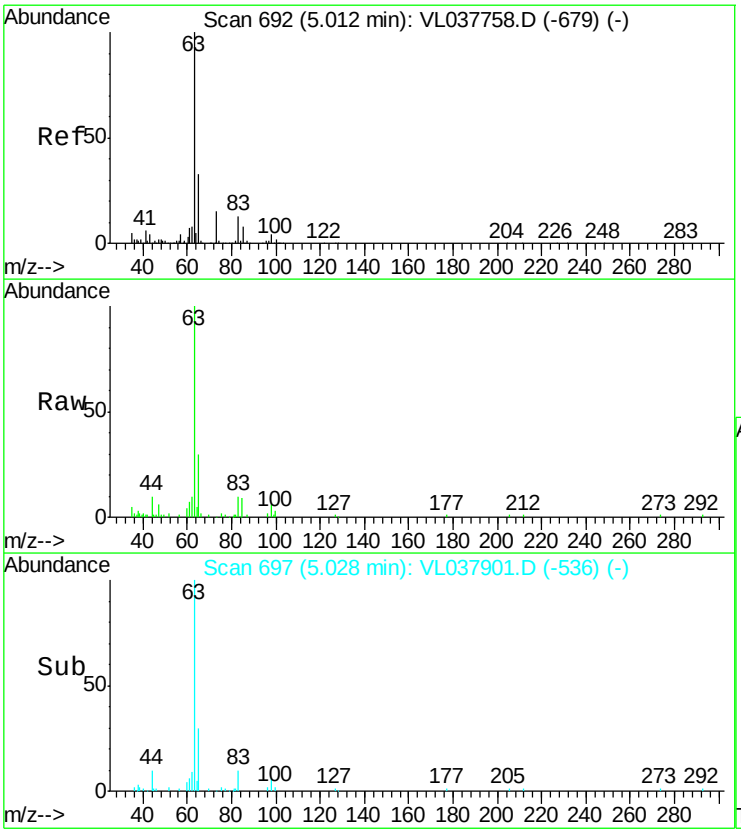
#23
Vinyl Acetate
Concen: 0.362 ppbv
RT: 5.10
Delta R.T
Lab File:
Acq: 25 Oct 2021 19:55

Instrument :
MSVOA_L
ClientSampleId :
MDL-AIR-03-QT4-2021

Tgt Ion: 43 Resp: 66665

Ion	Ratio	Lower	Upper
43	100		
86	6.7	5.0	7.4
42	8.7	7.4	11.0
44	18.5	3.8	5.6#

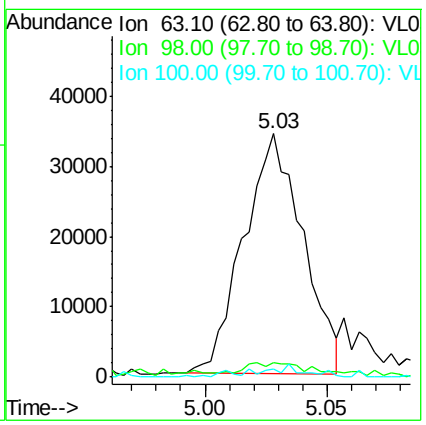


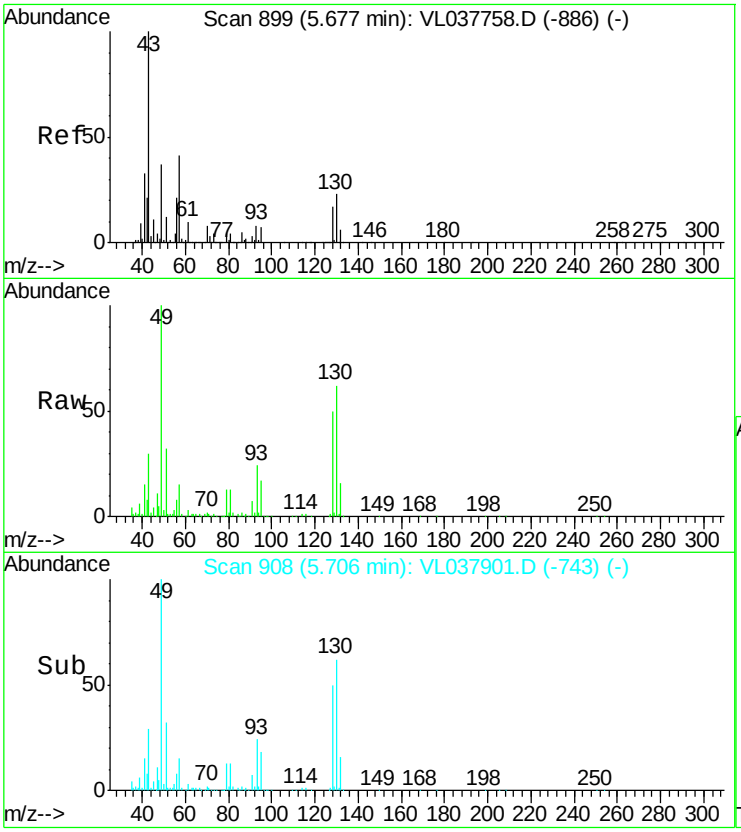


#24
1,1-Dichloroethane
Concen: 0.432 ppbv
RT: 5.03 min Scan# 697
Delta R.T. 0.02 min
Lab File: VL037901.D
Acq: 25 Oct 2021 19:55

Tgt Ion: 63 Resp: 57868

Ion	Ratio	Lower	Upper
63	100		
98	4.5	2.3	6.9
100	2.8	1.1	3.1



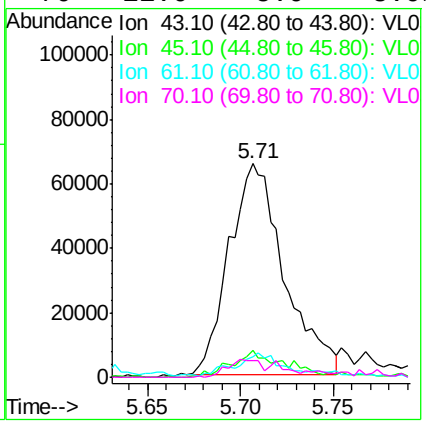


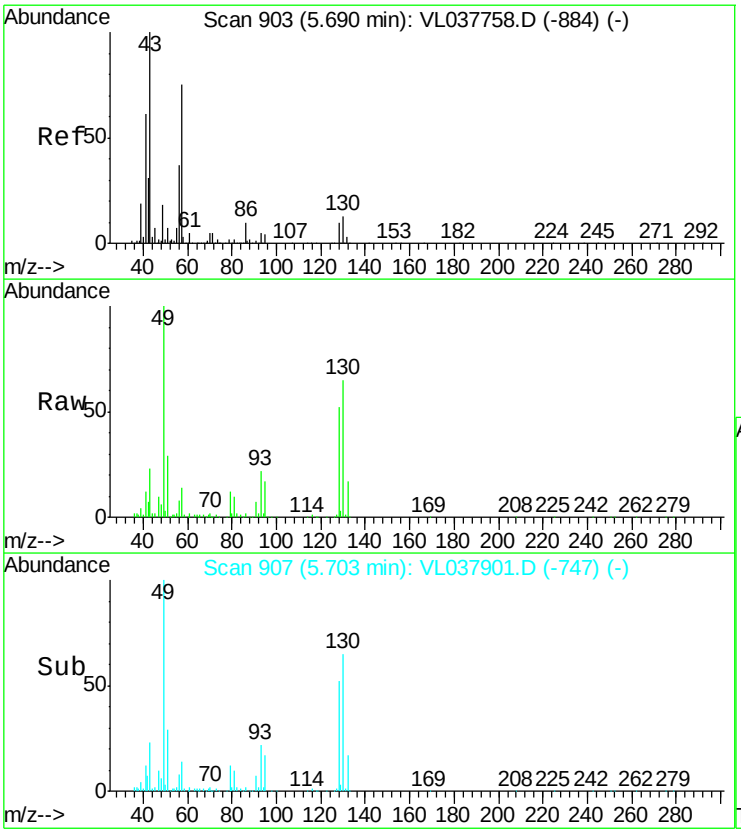
#25
Ethyl Acetate
Concen: 0.391 ppbv
RT: 5.71
Delta R.T
Lab File:
Acq: 25 Oct 2021 19:55

Instrument :
MSVOA_L
ClientSampleId :
MDL-AIR-03-QT4-2021

Tgt Ion: 43 Resp: 134808

Ion	Ratio	Lower	Upper
43	100		
45	13.0	8.1	12.1#
61	12.7	7.5	11.3#
70	11.0	5.9	8.9#

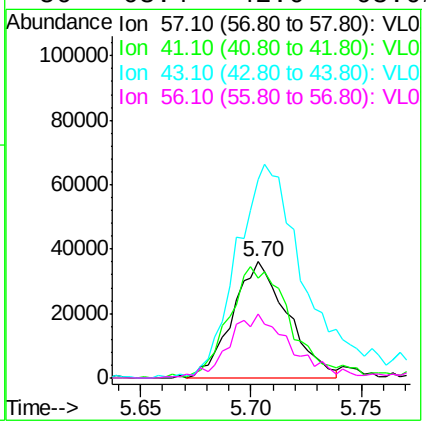


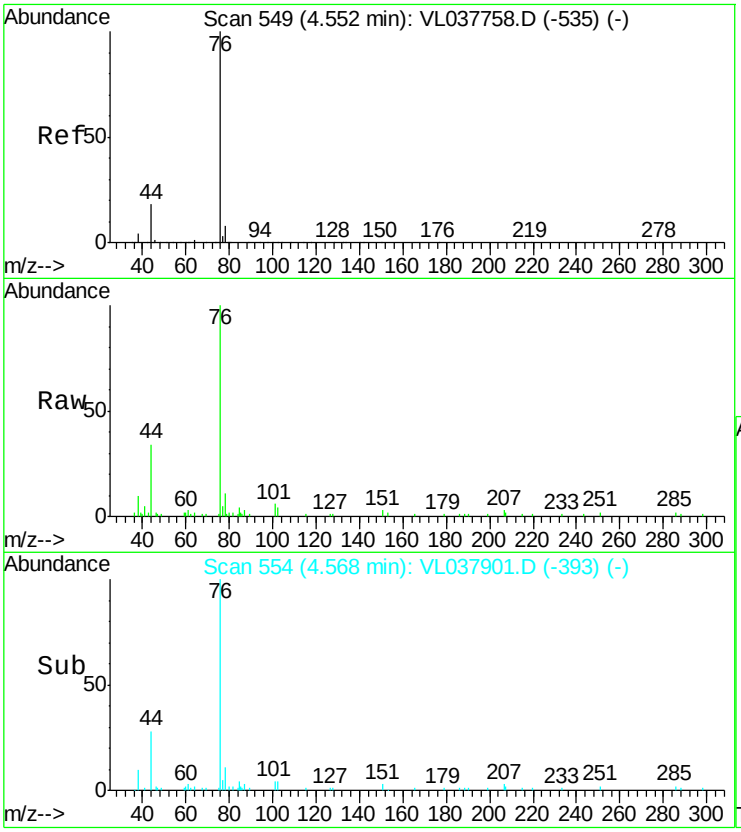


#26
Hexane
Concen: 0.364 ppbv
RT: 5.70 min Scan# 907
Delta R.T. 0.01 min
Lab File: VL037901.D
Acq: 25 Oct 2021 19:55

Tgt Ion: 57 Resp: 61809

Ion	Ratio	Lower	Upper
57	100		
41	116.0	69.6	104.4#
43	258.9	171.4	257.0#
56	63.4	42.0	63.0#



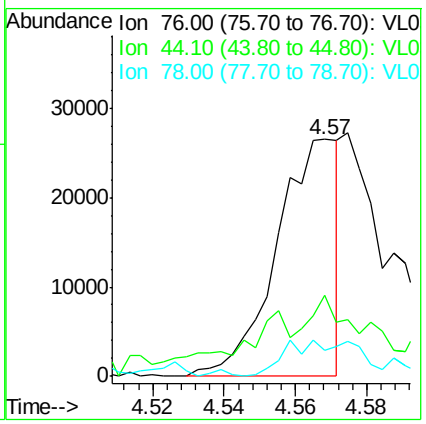


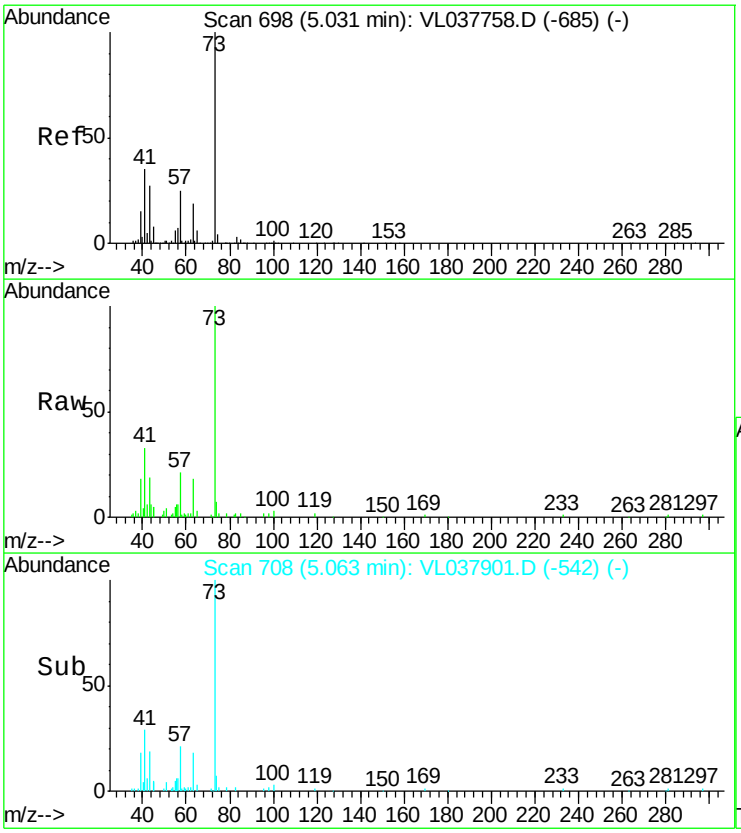
#27
Carbon Disulfide
Concen: 0.211 ppbv
RT: 4.57
Delta R.T
Lab File:
Acq: 25 Oct 2021 19:55

Instrument :
MSVOA_L
ClientSampleId :
MDL-AIR-03-QT4-2021

Tgt Ion: 76 Resp: 31768

Ion	Ratio	Lower	Upper
76	100		
44	50.6	14.3	21.5#
78	23.3	7.8	11.6#

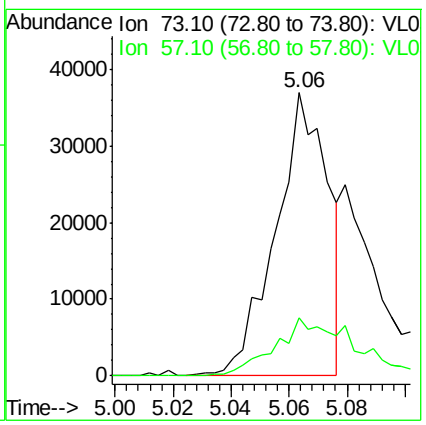


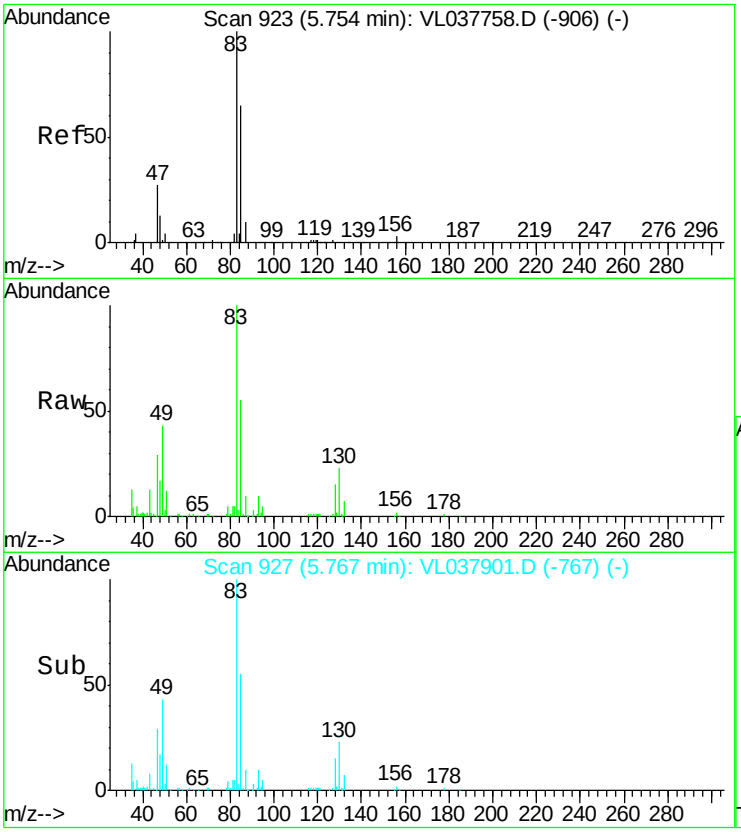


#28
Methyl tert-Butyl Ether
Concen: 0.326 ppbv
RT: 5.06 min Scan# 708
Delta R.T. 0.03 min
Lab File: VL037901.D
Acq: 25 Oct 2021 19:55

Tgt Ion: 73 Resp: 46071

Ion	Ratio	Lower	Upper
73	100		
57	34.8	20.4	30.6#



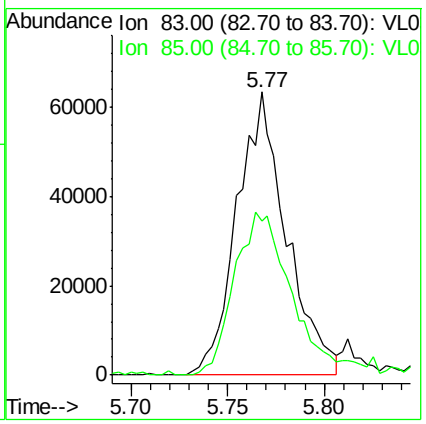


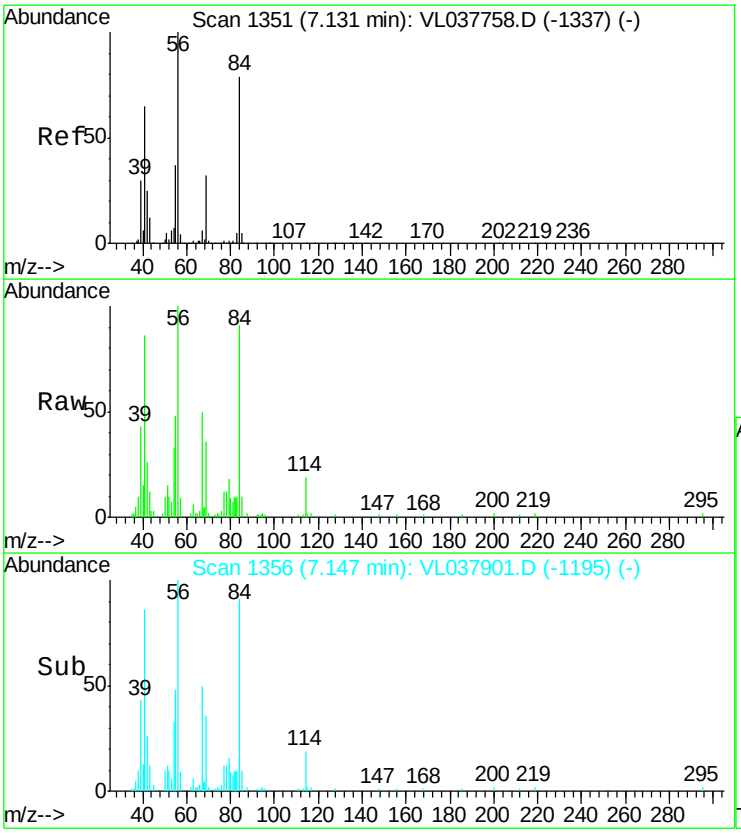
#29
Chloroform
Concen: 0.465 ppbv
RT: 5.77
Delta R.T
Lab File:
Acq: 25 Oct 2021 19:55

Instrument :
MSVOA_L
ClientSampleId :
MDL-AIR-03-QT4-2021

Tgt Ion: 83 Resp: 112821

Ion	Ratio	Lower	Upper
83	100		
85	54.6	51.8	77.8

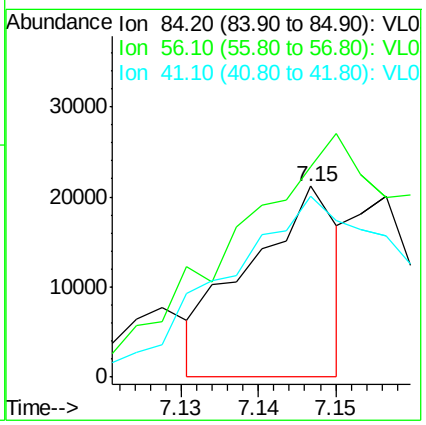


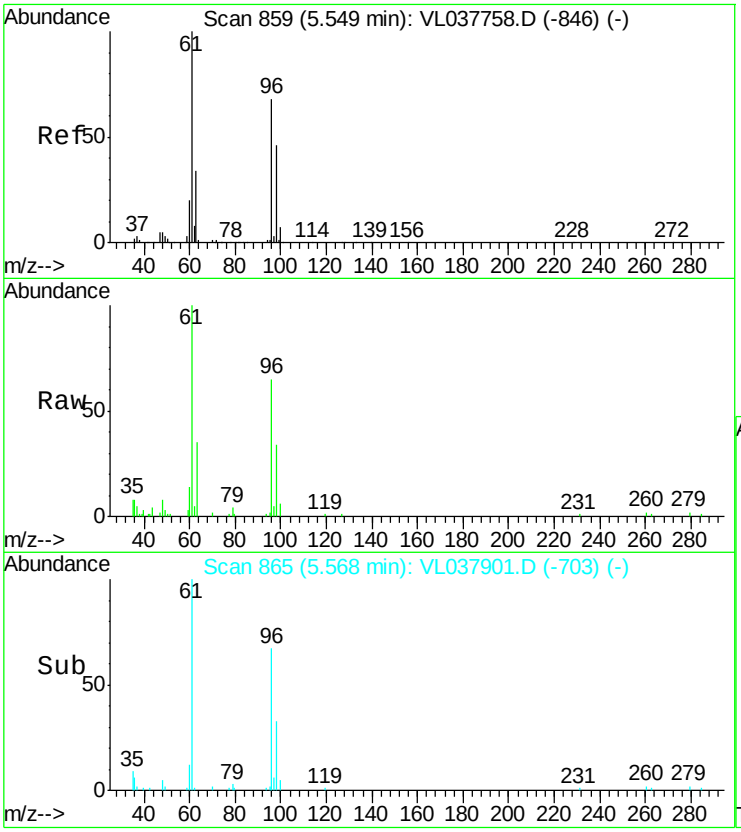


#30
Cyclohexane
Concen: 0.118 ppbv
RT: 7.15 min Scan# 1356
Delta R.T. 0.02 min
Lab File: VL037901.D
Acq: 25 Oct 2021 19:55

Tgt Ion: 84 Resp: 17032

Ion	Ratio	Lower	Upper
84	100		
56	0.0	113.0	169.4#
41	251.3	69.1	103.7#



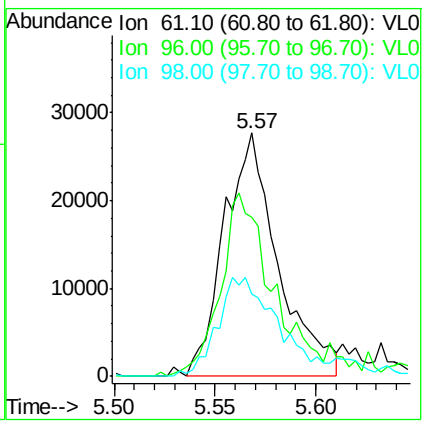


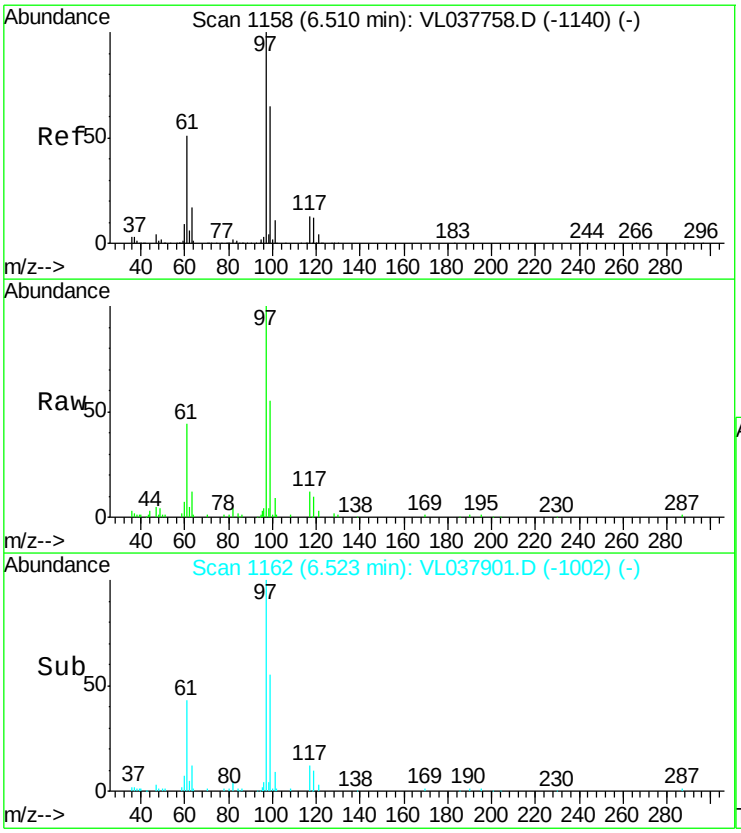
#31
cis-1,2-Dichloroethene
Concen: 0.337 ppbv
RT: 5.57
Delta R.T
Lab File:
Acq: 25 Oct 2021 19:55

Instrument :
MSVOA_L
ClientSampleId :
MDL-AIR-03-QT4-2021

Tgt Ion: 61 Resp: 51817

Ion	Ratio	Lower	Upper
61	100		
96	61.5	54.2	81.2
98	32.7	36.6	54.8#

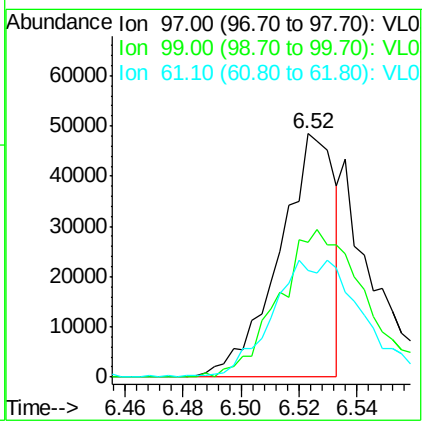


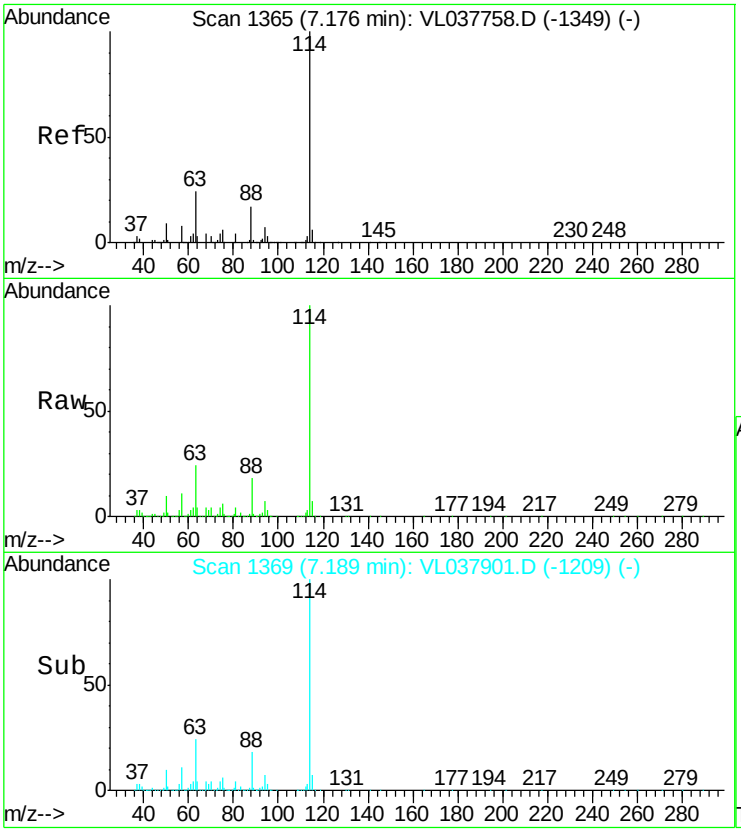


#32
1,1,1-Trichloroethane
Concen: 0.279 ppbv
RT: 6.52 min Scan# 1162
Delta R.T. 0.01 min
Lab File: VL037901.D
Acq: 25 Oct 2021 19:55

Tgt Ion: 97 Resp: 64196

Ion	Ratio	Lower	Upper
97	100		
99	99.4	52.6	78.8#
61	81.7	40.2	60.4#



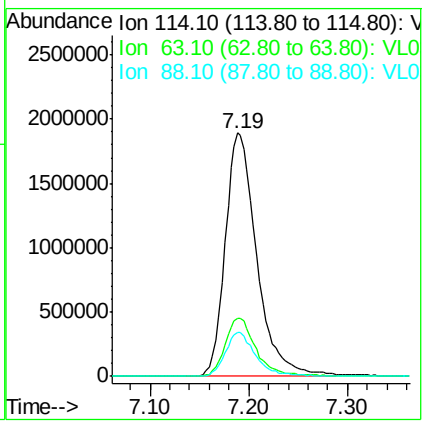


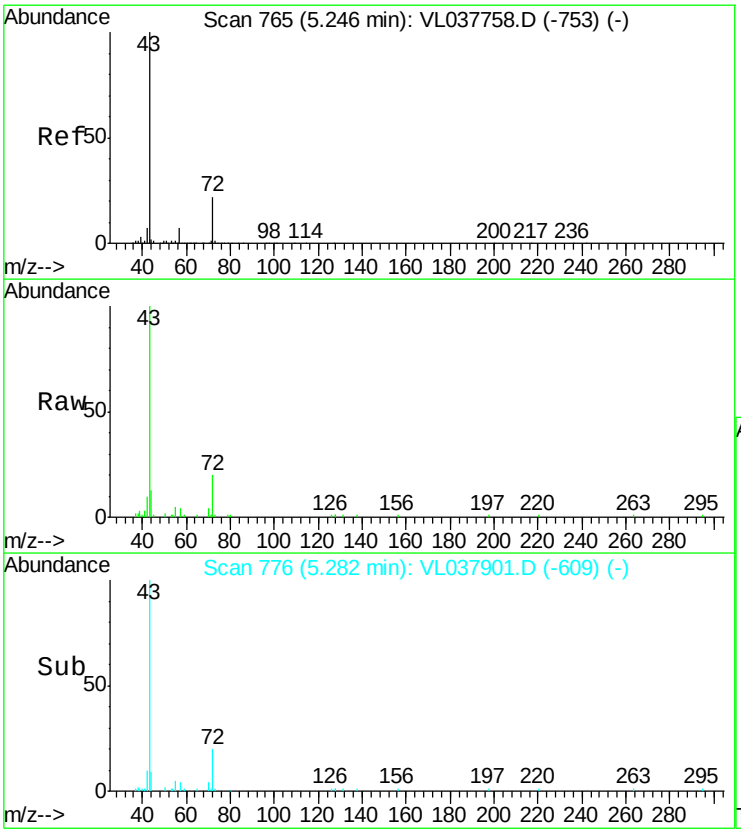
#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 7.19
Delta R.T
Lab File:
Acq: 25 Oct 2021 19:55

Instrument :
MSVOA_L
ClientSampleId :
MDL-AIR-03-QT4-2021

Tgt Ion:114 Resp: 4217214

Ion	Ratio	Lower	Upper
114	100		
63	23.8	19.4	29.2
88	17.6	14.4	21.6

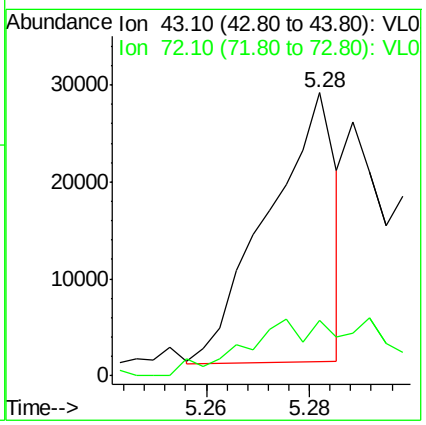


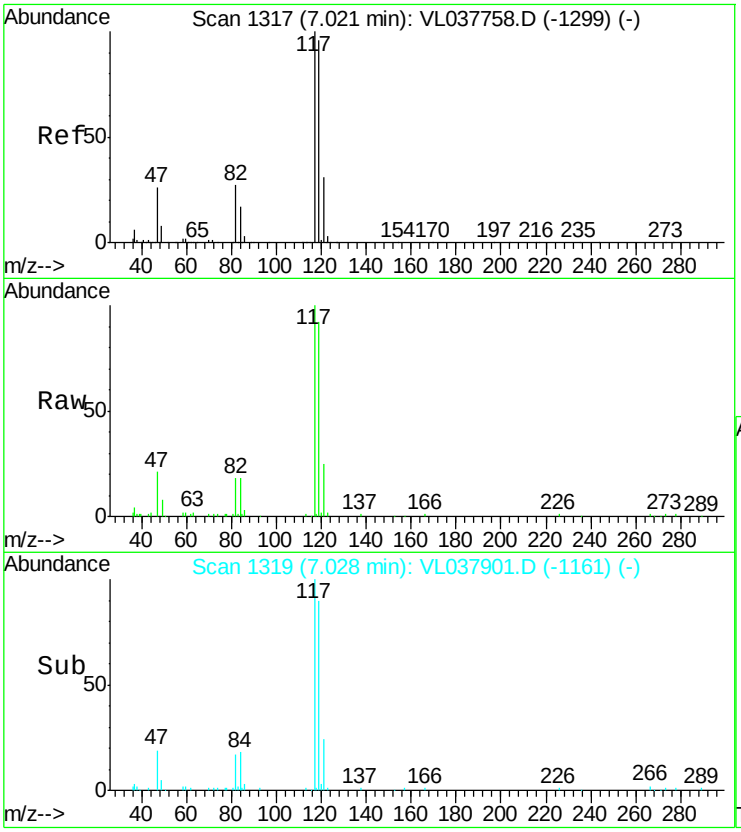


#34
2-Butanone
Concen: 0.149 ppbv
RT: 5.28 min Scan# 776
Delta R.T. 0.04 min
Lab File: VL037901.D
Acq: 25 Oct 2021 19:55

Tgt Ion: 43 Resp: 25403

Ion	Ratio	Lower	Upper
43	100		
72	0.0	18.2	27.2#



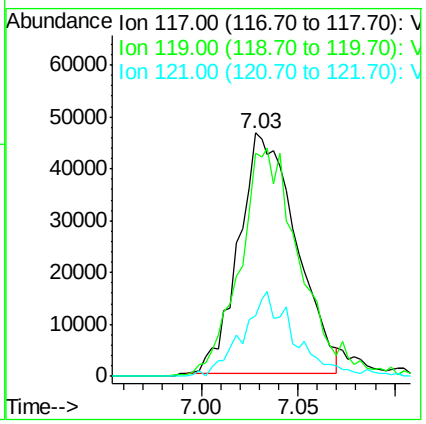


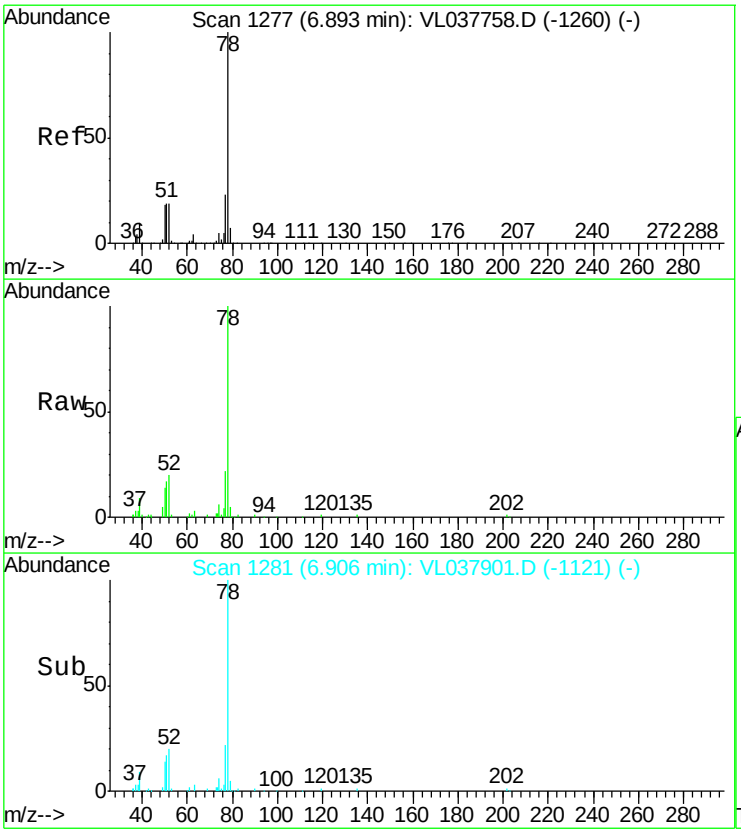
#35
Carbon Tetrachloride
Concen: 0.400 ppbv
RT: 7.03
Delta R.T
Lab File:
Acq: 25 Oct 2021 19:55

Instrument :
MSVOA_L
ClientSampleId :
MDL-AIR-03-QT4-2021

Tgt Ion:117 Resp: 95733

Ion	Ratio	Lower	Upper
117	100		
119	92.4	76.5	114.7
121	25.1	24.9	37.3

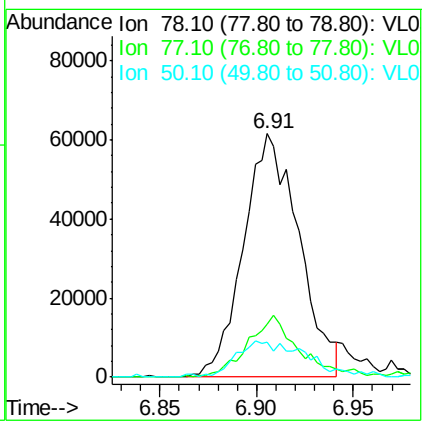


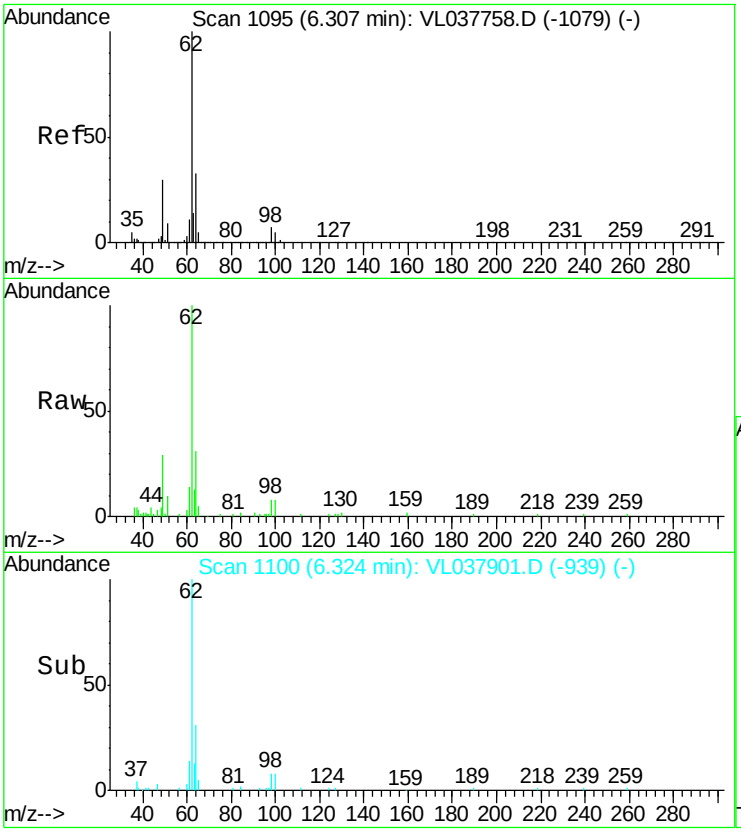


#36
Benzene
Concen: 0.341 ppbv
RT: 6.91 min Scan# 1281
Delta R.T. 0.01 min
Lab File: VL037901.D
Acq: 25 Oct 2021 19:55

Tgt Ion: 78 Resp: 122941

Ion	Ratio	Lower	Upper
78	100		
77	21.0	18.8	28.2
50	12.6	14.7	22.1#



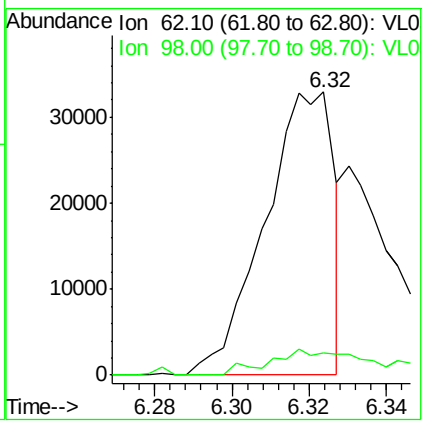


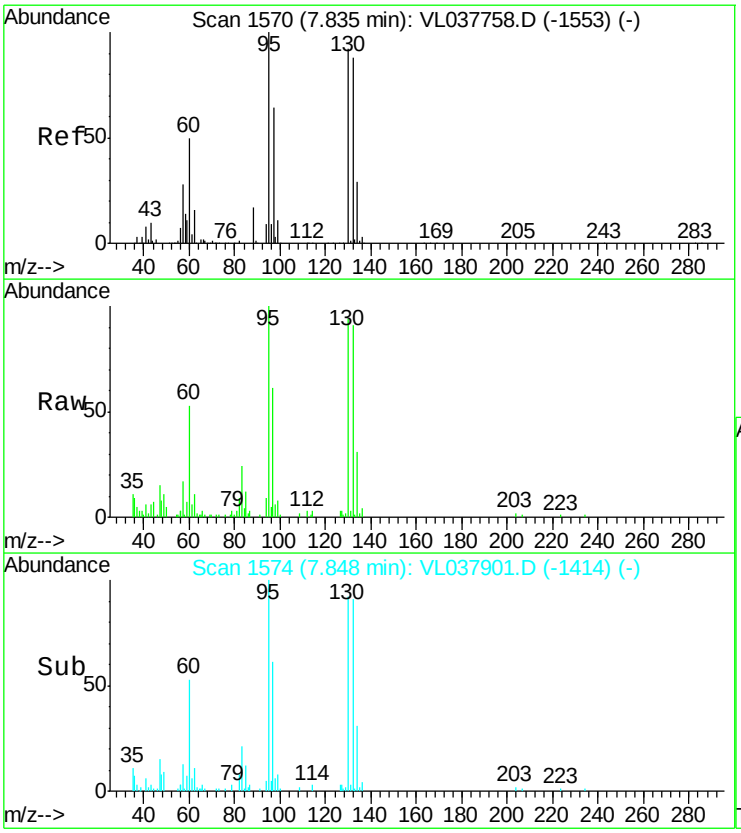
#37
1,2-Dichloroethane
Concen: 0.242 ppbv
RT: 6.32
Delta R.T
Lab File:
Acq: 25 Oct 2021 19:55

Instrument :
MSVOA_L
ClientSampleId :
MDL-AIR-03-QT4-2021

Tgt Ion: 62 Resp: 41014

Ion	Ratio	Lower	Upper
62	100		
98	16.8	6.1	9.1#

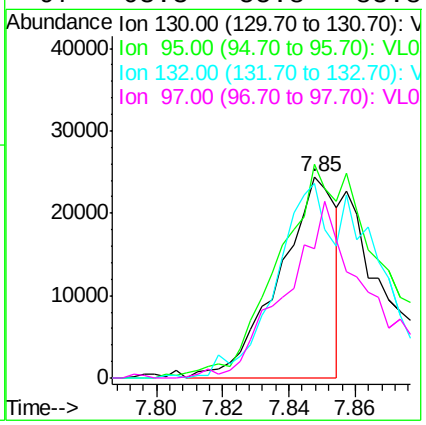


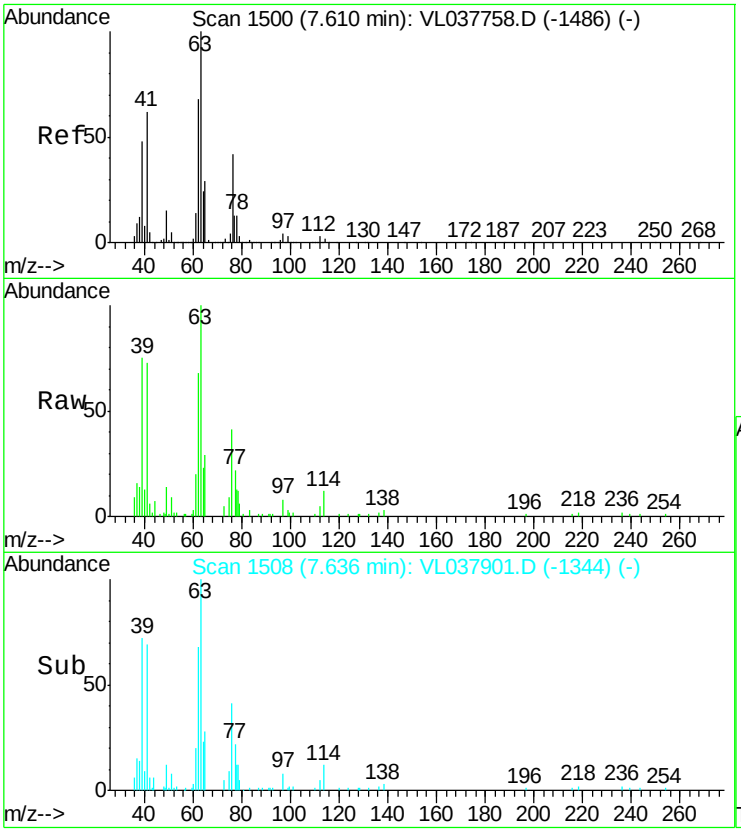


#38
Trichloroethene
Concen: 0.204 ppbv
RT: 7.85 min Scan# 1574
Delta R.T. 0.01 min
Lab File: VL037901.D
Acq: 25 Oct 2021 19:55

Tgt Ion:130 Resp: 29052

Ion	Ratio	Lower	Upper
130	100		
95	103.7	87.4	131.0
132	96.7	76.8	115.2
97	63.3	55.8	83.8



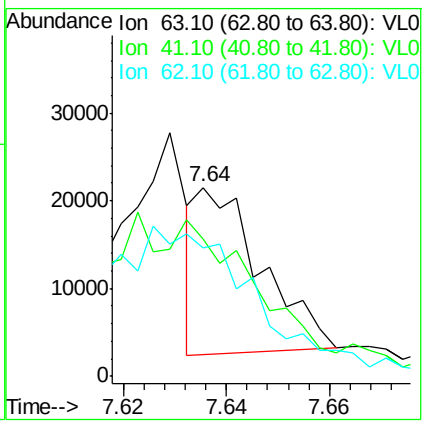


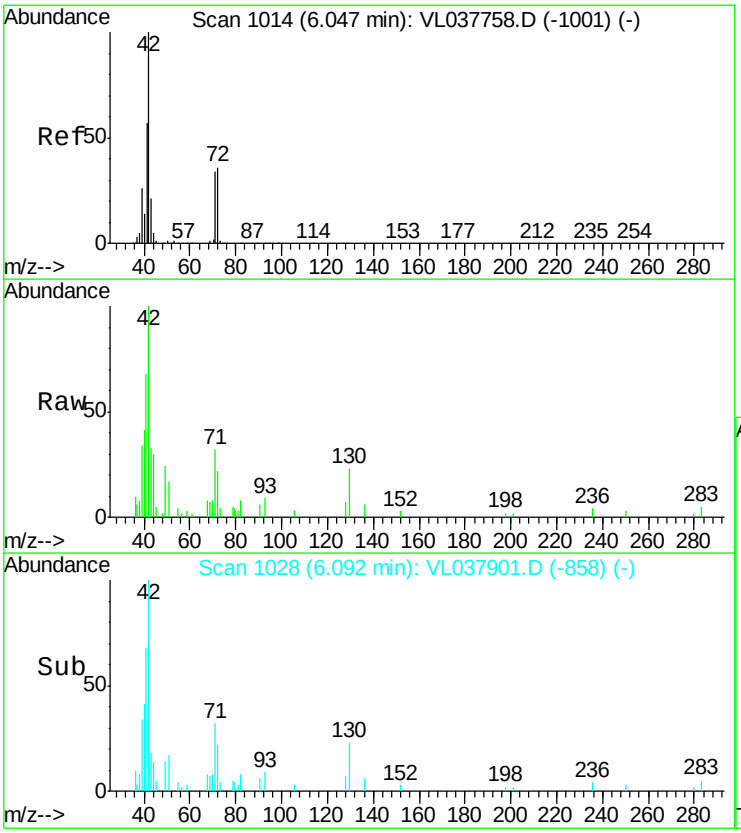
#39
1,2-Dichloropropane
Concen: 0.120 ppbv
RT: 7.64
Delta R.T
Lab File:
Acq: 25 Oct 2021 19:55

Instrument :
MSVOA_L
ClientSampleId :
MDL-AIR-03-QT4-2021

Tgt Ion: 63 Resp: 16263

Ion	Ratio	Lower	Upper
63	100		
41	71.1	49.8	74.6
62	64.4	54.6	82.0

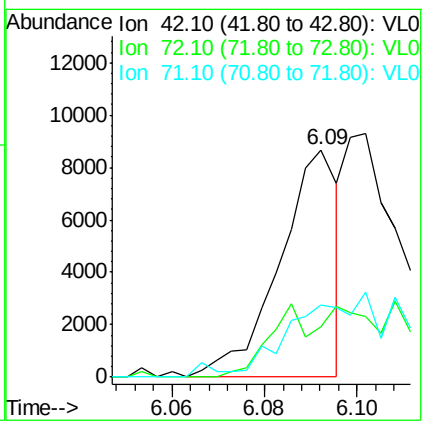


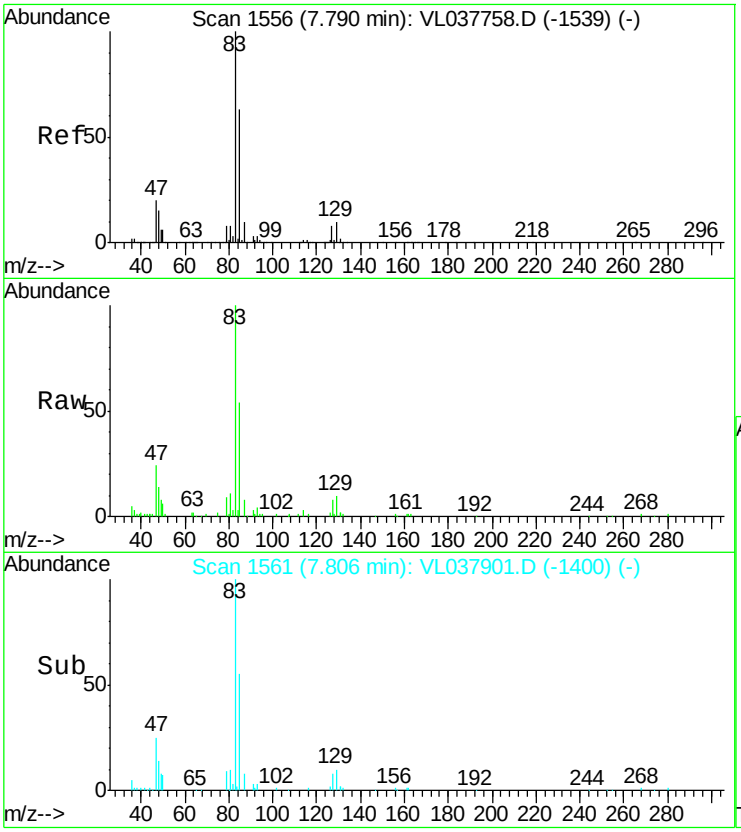


#41
Tetrahydrofuran
Concen: 0.091 ppbv
RT: 6.09 min Scan# 1028
Delta R.T. 0.05 min
Lab File: VL037901.D
Acq: 25 Oct 2021 19:55

Tgt Ion: 42 Resp: 7582

Ion	Ratio	Lower	Upper
42	100		
72	0.0	31.9	47.9#
71	0.0	30.3	45.5#



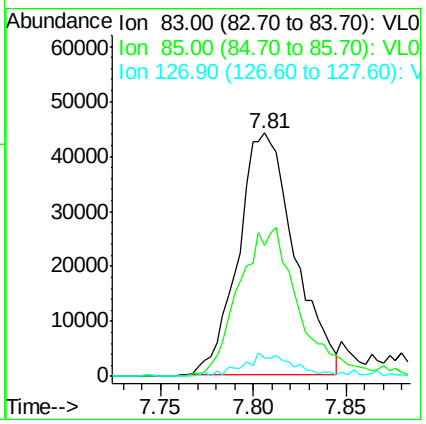


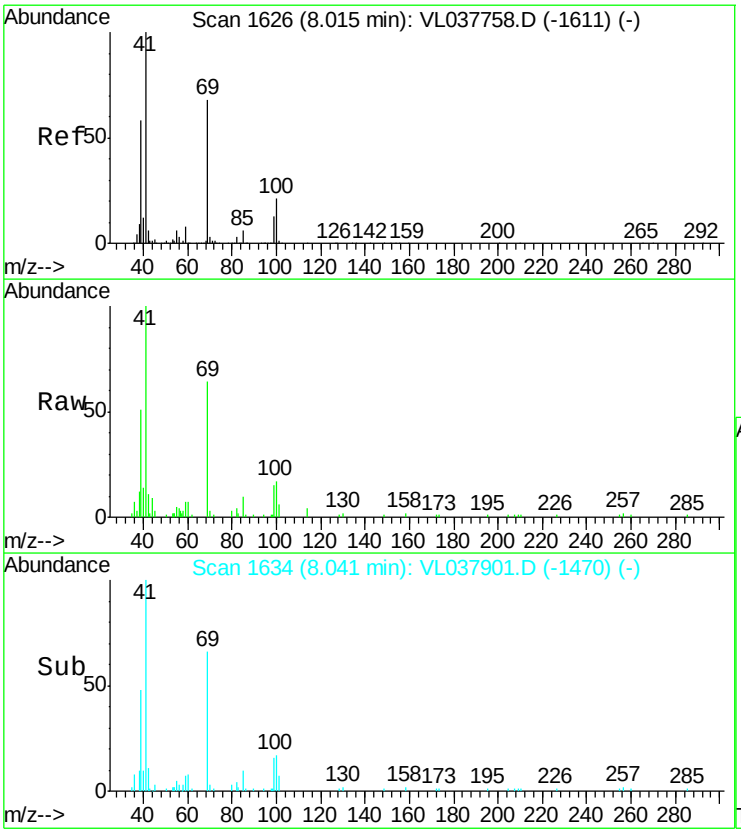
#42
Bromodichloromethane
Concen: 0.372 ppbv
RT: 7.81
Delta R.T
Lab File:
Acq: 25 Oct 2021 19:55

Instrument :
MSVOA_L
ClientSampleId :
MDL-AIR-03-QT4-2021

Tgt Ion: 83 Resp: 92672

Ion	Ratio	Lower	Upper
83	100		
85	54.4	50.6	75.8
127	7.8	6.2	9.4

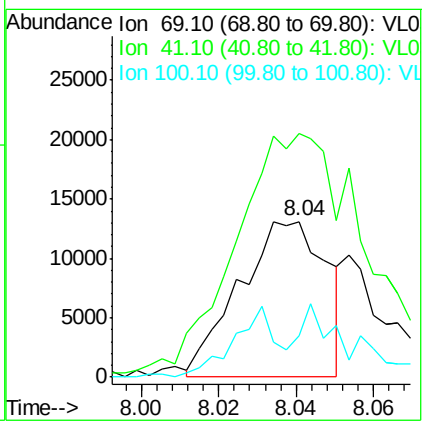


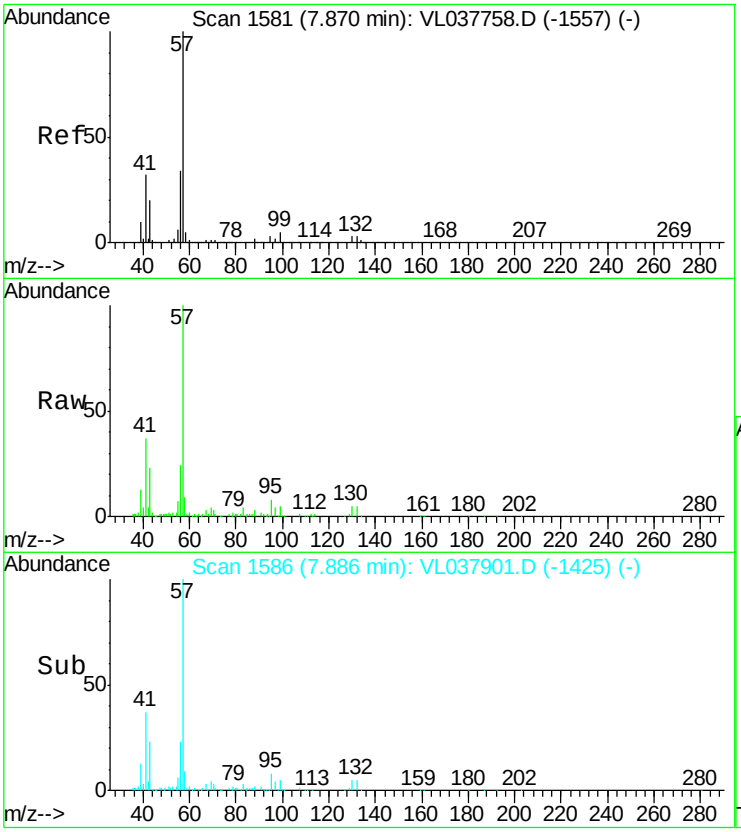


#43
Methyl Methacrylate
Concen: 0.174 ppbv
RT: 8.04 min Scan# 1634
Delta R.T. 0.03 min
Lab File: VL037901.D
Acq: 25 Oct 2021 19:55

Tgt Ion: 69 Resp: 20527

Ion	Ratio	Lower	Upper
69	100		
41	239.9	121.0	181.4#
100	57.7	27.7	41.5#



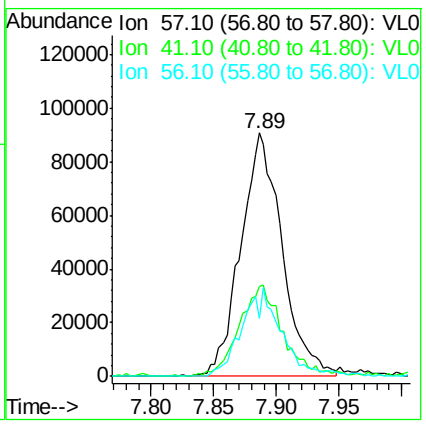


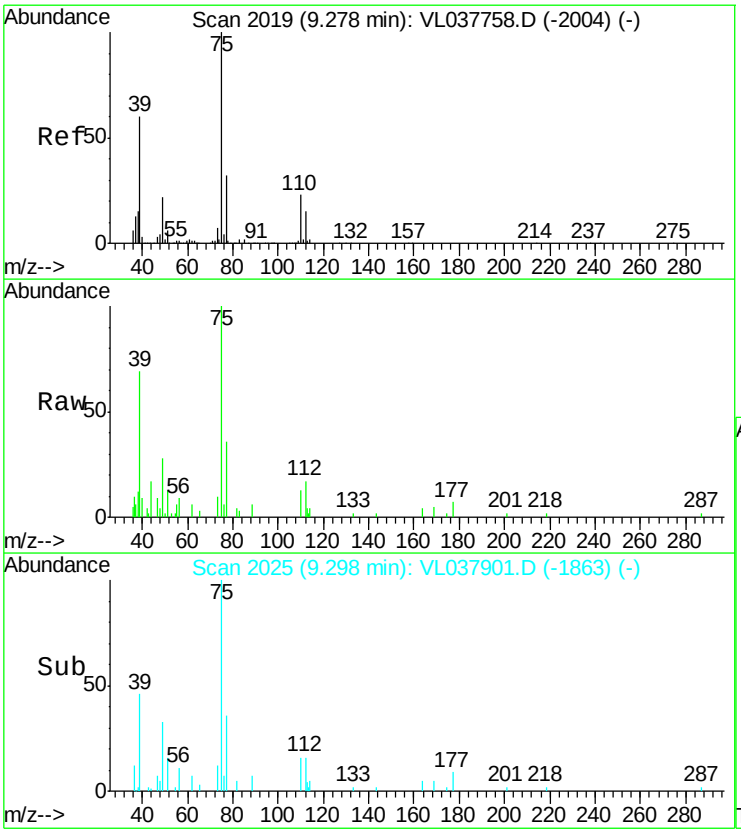
#44
2,2,4-Trimethylpentane
Concen: 0.341 ppbv
RT: 7.89
Delta R.T
Lab File:
Acq: 25 Oct 2021 19:55

Instrument :
MSVOA_L
ClientSampleId :
MDL-AIR-03-QT4-2021

Tgt Ion: 57 Resp: 206112

Ion	Ratio	Lower	Upper
57	100		
41	39.7	25.6	38.4#
56	35.5	25.5	38.3

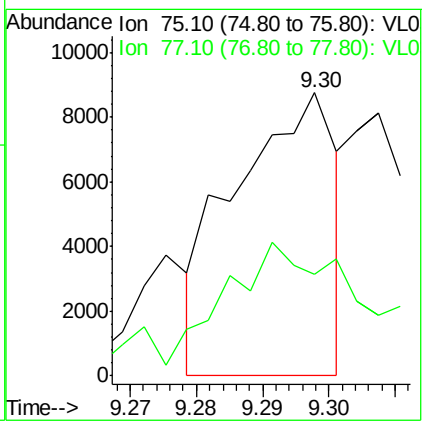


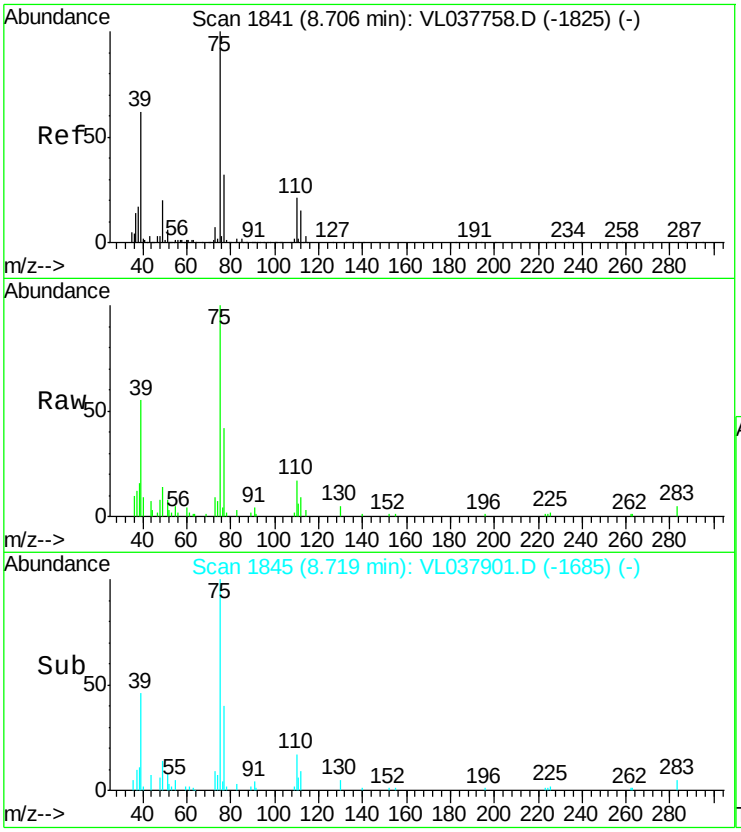


#45
t-1,3-Dichloropropene
Concen: 0.114 ppbv
RT: 9.30 min Scan# 2025
Delta R.T. 0.02 min
Lab File: VL037901.D
Acq: 25 Oct 2021 19:55

Tgt Ion: 75 Resp: 9257

Ion	Ratio	Lower	Upper
75	100		
77	35.9	25.2	37.8



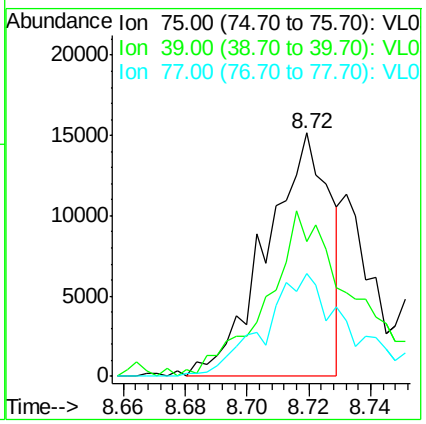


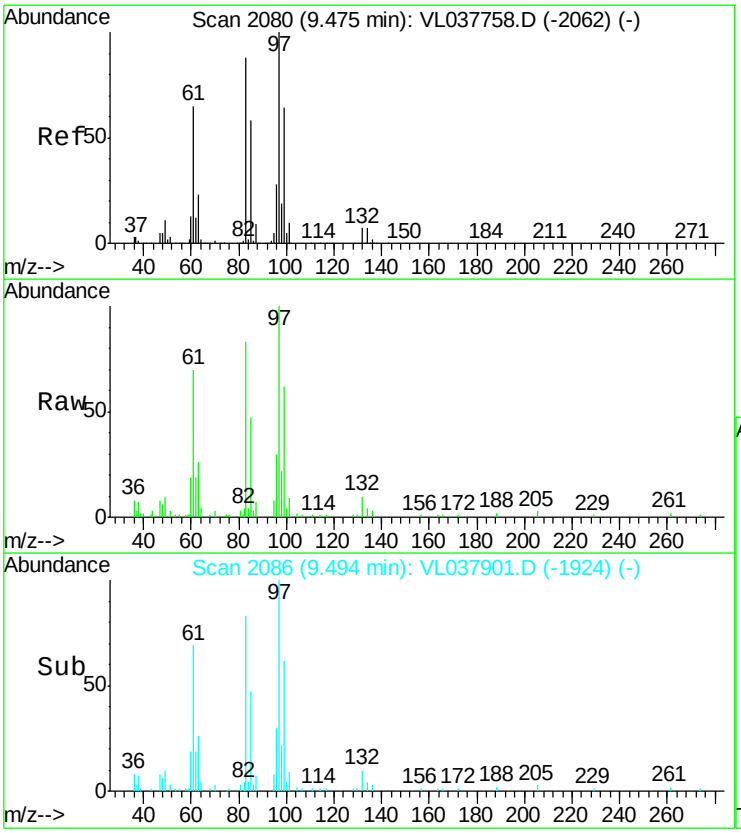
#46
cis-1,3-Dichloropropene
Concen: 0.193 ppbv
RT: 8.72
Delta R.T
Lab File:
Acq: 25 Oct 2021 19:55

Instrument :
MSVOA_L
ClientSampleId :
MDL-AIR-03-QT4-2021

Tgt Ion: 75 Resp: 21652

Ion	Ratio	Lower	Upper
75	100		
39	52.7	49.9	74.9
77	40.9	25.9	38.9#

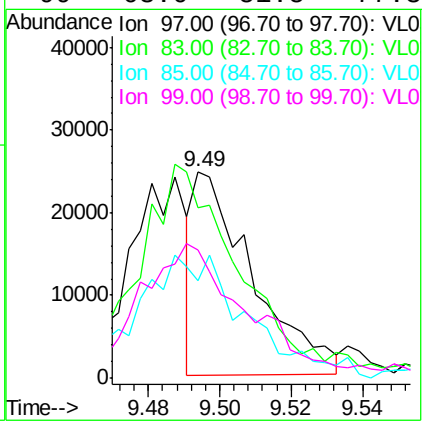


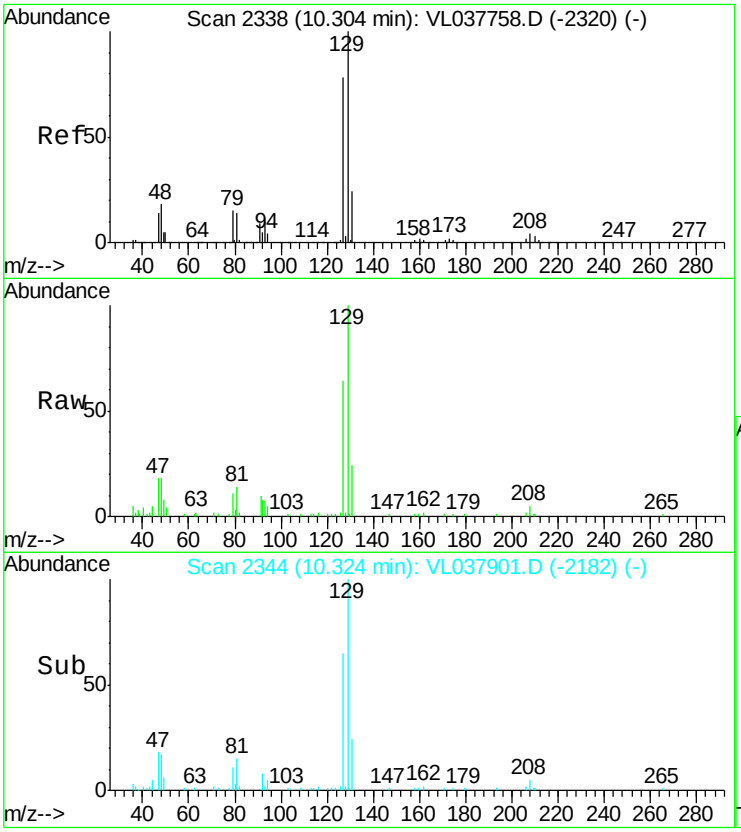


#47
1,1,2-Trichloroethane
Concen: 0.191 ppbv
RT: 9.49 min Scan# 2086
Delta R.T. 0.02 min
Lab File: VL037901.D
Acq: 25 Oct 2021 19:55

Tgt Ion: 97 Resp: 28147

Ion	Ratio	Lower	Upper
97	100		
83	79.0	70.6	105.8
85	46.5	45.9	68.9
99	63.0	51.5	77.3



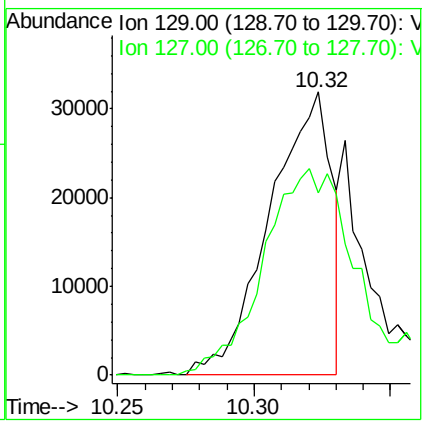


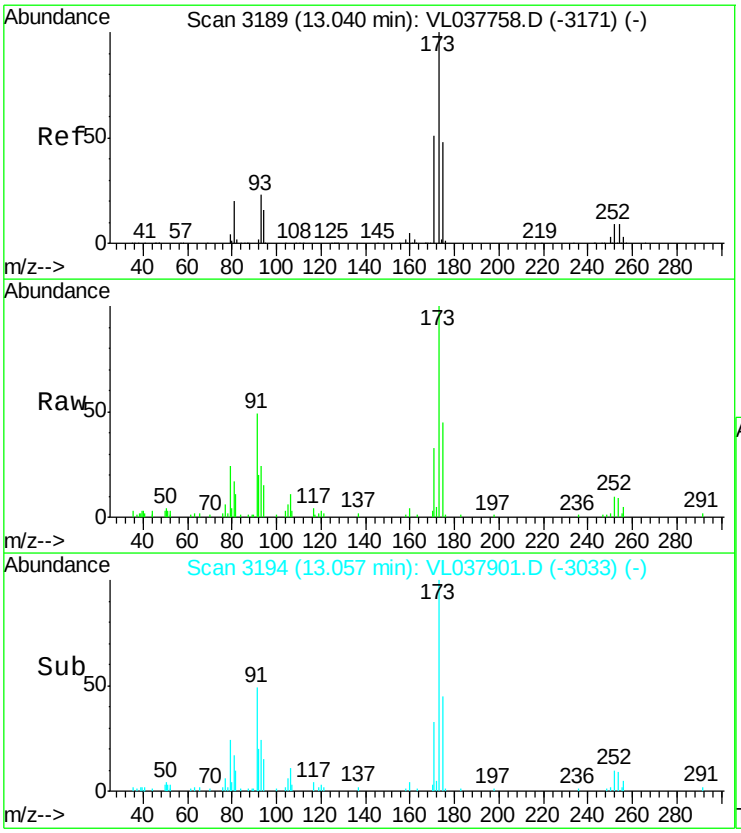
#48
Dibromochloromethane
Concen: 0.239 ppbv
RT: 10.32
Delta R.T
Lab File:
Acq: 25 Oct 2021 19:55

Instrument :
MSVOA_L
ClientSampleId :
MDL-AIR-03-QT4-2021

Tgt Ion:129 Resp: 50214

Ion	Ratio	Lower	Upper
129	100		
127	112.8	39.5	118.5

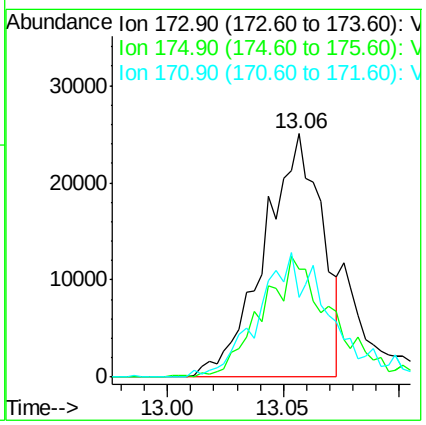


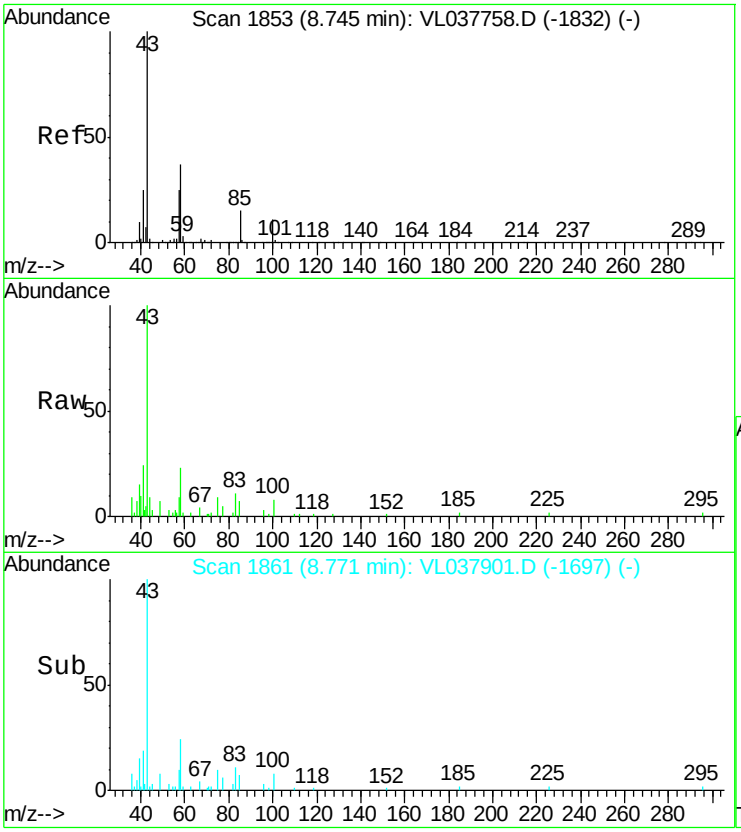


#49
Bromoform
Concen: 0.270 ppbv
RT: 13.06 min Scan# 3194
Delta R.T. 0.02 min
Lab File: VL037901.D
Acq: 25 Oct 2021 19:55

Tgt Ion:173 Resp: 43436

Ion	Ratio	Lower	Upper
173	100		
175	60.7	39.9	59.9#
171	62.5	43.4	65.2



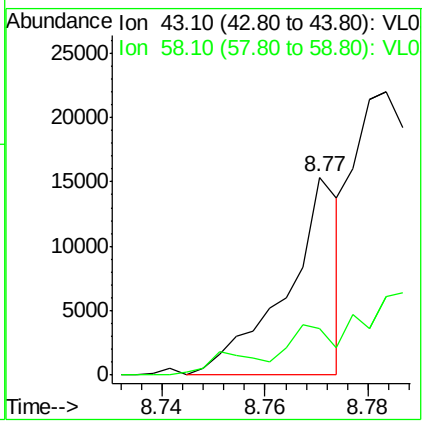


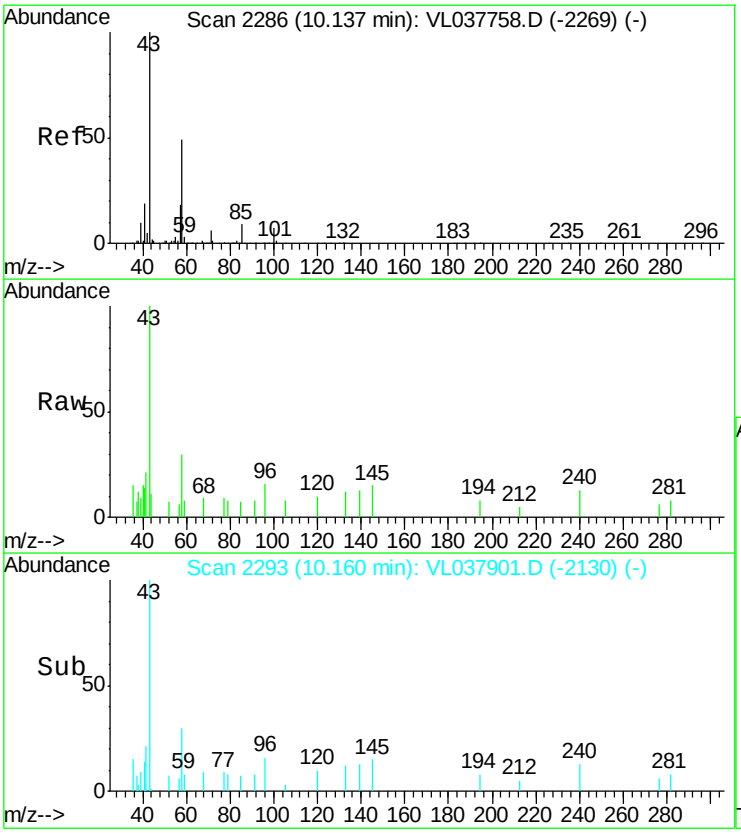
#50
4-Methyl-2-Pentanone
Concen: 0.050 ppbv
RT: 8.77
Delta R.T
Lab File:
Acq: 25 Oct 2021 19:55

Instrument :
MSVOA_L
ClientSampleId :
MDL-AIR-03-QT4-2021

Tgt Ion: 43 Resp: 11053

Ion	Ratio	Lower	Upper
43	100		
58	0.0	29.4	44.0#

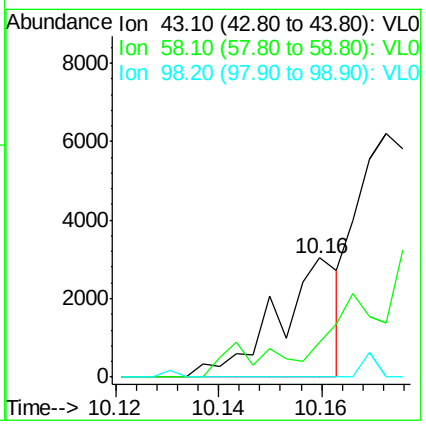


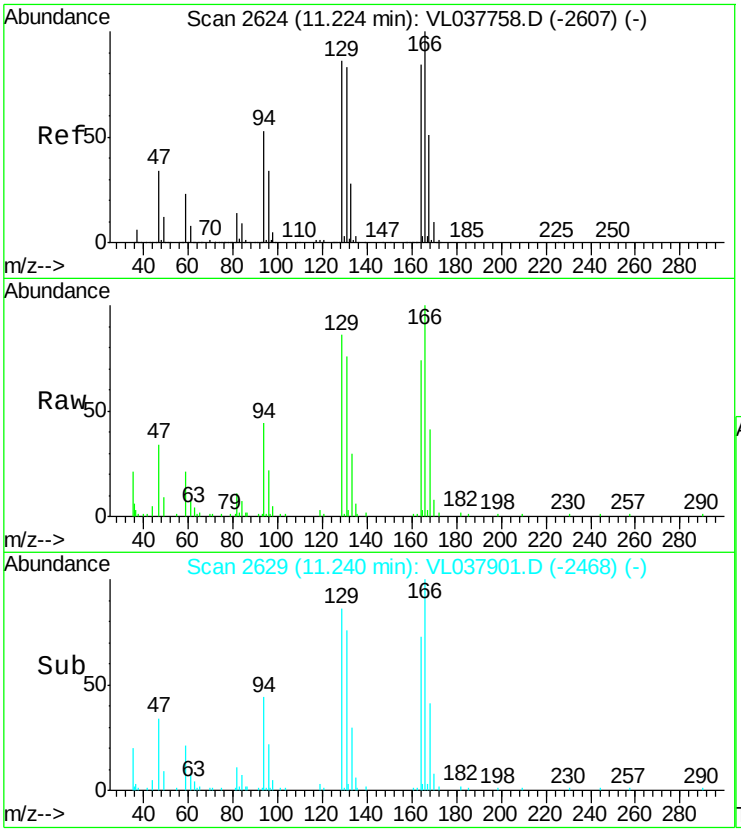


#51
2-Hexanone
Concen: 0.025 ppbv
RT: 10.16 min Scan# 2293
Delta R.T. 0.02 min
Lab File: VL037901.D
Acq: 25 Oct 2021 19:55

Tgt Ion: 43 Resp: 2508

Ion	Ratio	Lower	Upper
43	100		
58	0.0	39.4	59.0#
98	0.0	0.3	0.5#



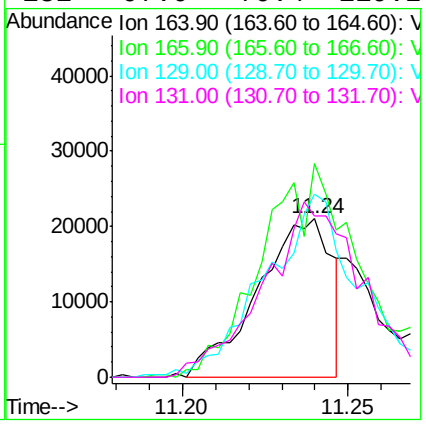


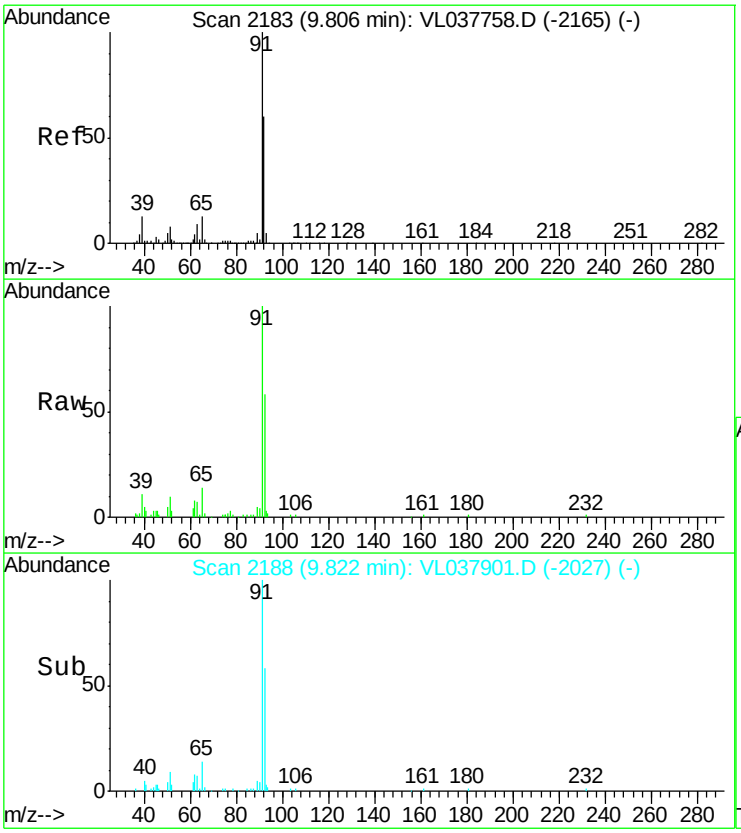
#52
Tetrachloroethene
Concen: 0.233 ppbv
RT: 11.24
Delta R.T
Lab File:
Acq: 25 Oct 2021 19:55

Instrument :
MSVOA_L
ClientSampleId :
MDL-AIR-03-QT4-2021

Tgt Ion:164 Resp: 32722

Ion	Ratio	Lower	Upper
164	100		
166	130.0	95.4	143.2
129	113.3	82.2	123.4
131	97.0	79.4	119.2

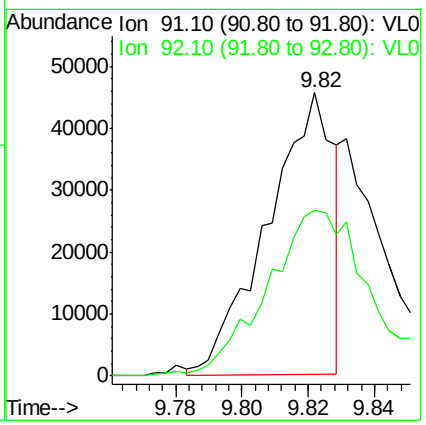


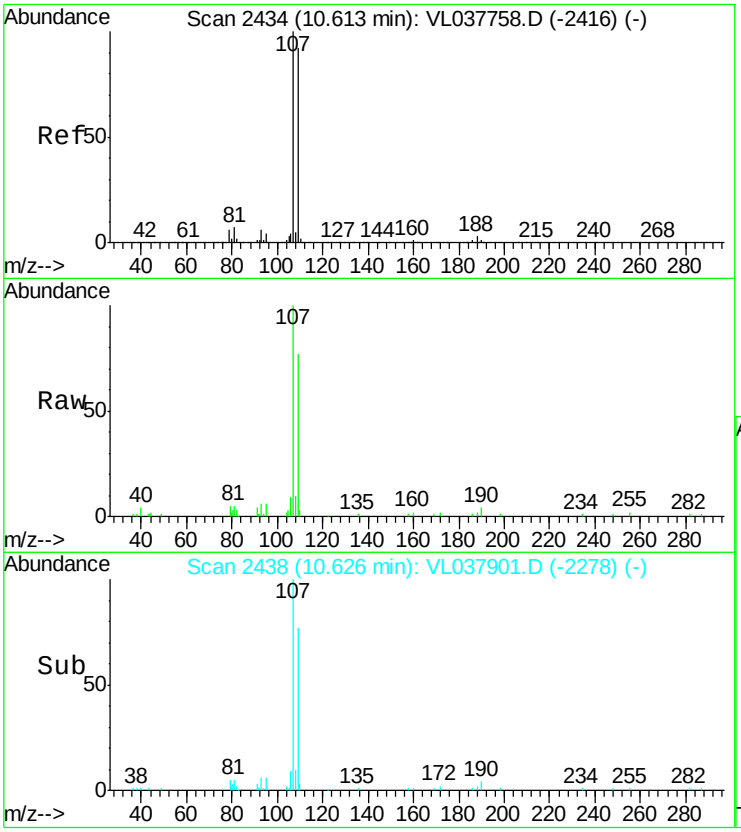


#53
Toluene
Concen: 0.159 ppbv
RT: 9.82 min Scan# 2188
Delta R.T. 0.02 min
Lab File: VL037901.D
Acq: 25 Oct 2021 19:55

Tgt Ion: 91 Resp: 63291

Ion	Ratio	Lower	Upper
91	100		
92	94.6	48.4	72.6#



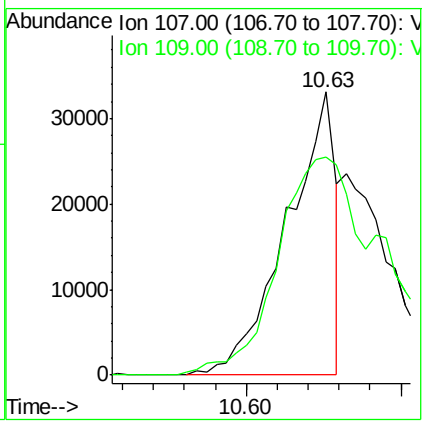


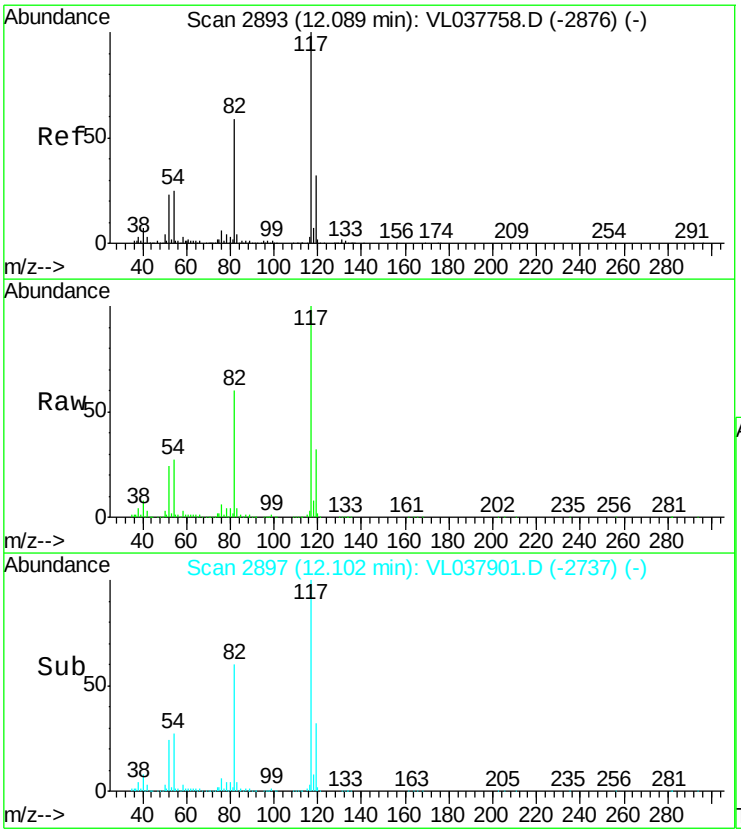
#54
1,2-Dibromoethane
Concen: 0.180 ppbv
RT: 10.63
Delta R.T
Lab File:
Acq: 25 Oct 2021 19:55

Instrument :
MSVOA_L
ClientSampleId :
MDL-AIR-03-QT4-2021

Tgt Ion:107 Resp: 35777

Ion	Ratio	Lower	Upper
107	100		
109	76.0	73.8	110.6

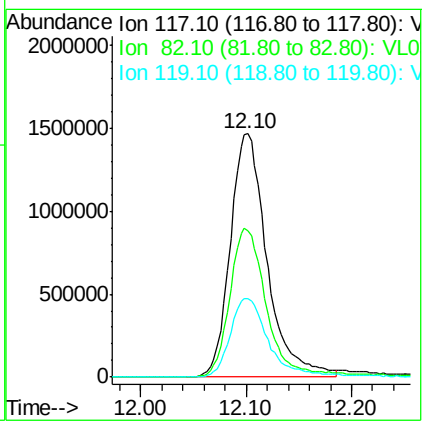


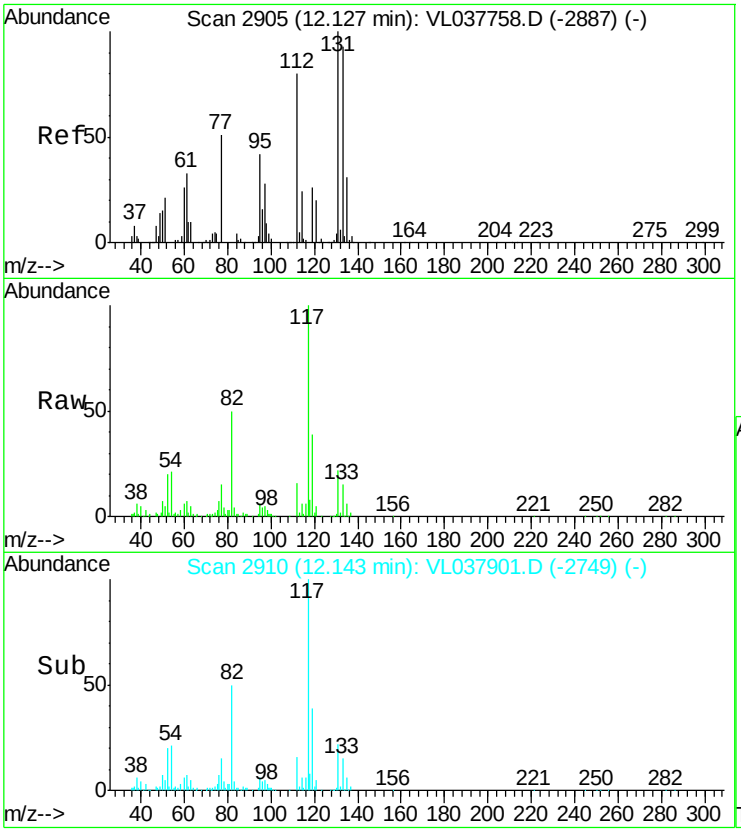


#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 12.10 min Scan# 2897
Delta R.T. 0.01 min
Lab File: VL037901.D
Acq: 25 Oct 2021 19:55

Tgt Ion:117 Resp: 3558742

Ion	Ratio	Lower	Upper
117	100		
82	62.2	52.2	78.2
119	34.2	26.0	39.0



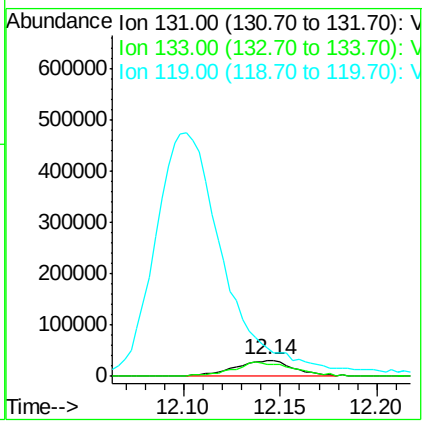


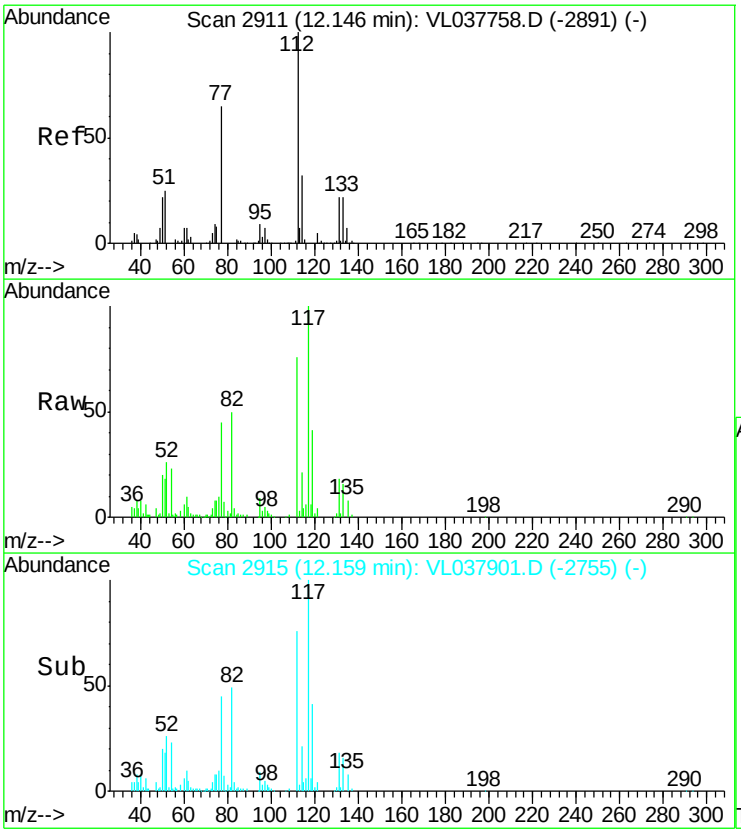
#56
1,1,1,2-Tetrachloroethane
Concen: 0.449 ppbv
RT: 12.14
Delta R.T
Lab File:
Acq: 25 Oct 2021 19:55

Instrument :
MSVOA_L
ClientSampleId :
MDL-AIR-03-QT4-2021

Tgt Ion:131 Resp: 66092

Ion	Ratio	Lower	Upper
131	100		
133	94.9	78.5	117.7
119	1843.6	51.7	77.5#

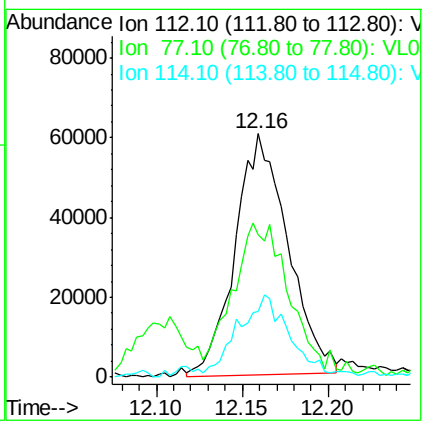


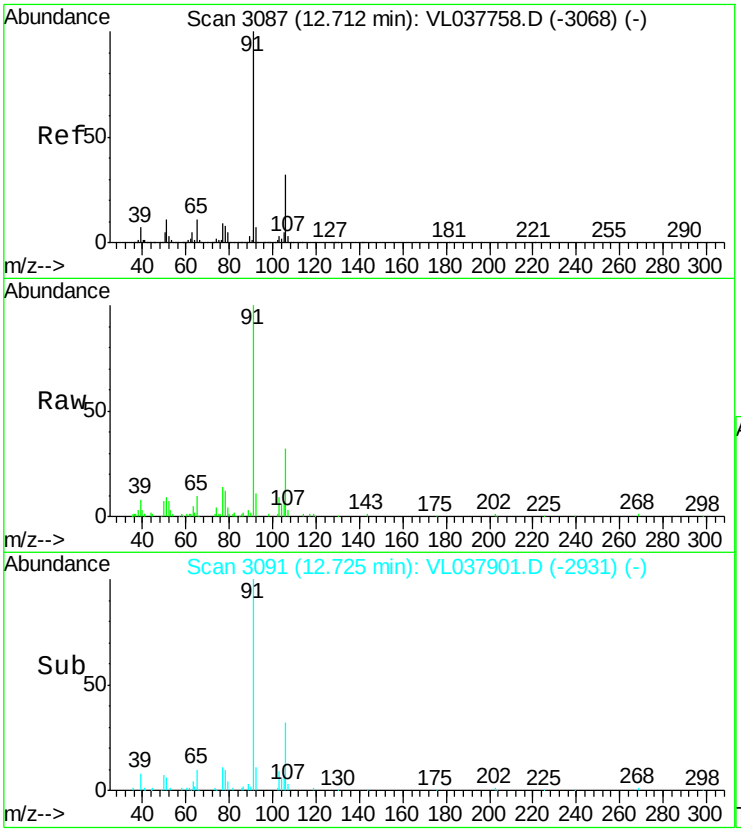


#57
Chlorobenzene
Concen: 0.440 ppbv
RT: 12.16 min Scan# 2915
Delta R.T. 0.01 min
Lab File: VL037901.D
Acq: 25 Oct 2021 19:55

Tgt Ion:112 Resp: 128333

Ion	Ratio	Lower	Upper
112	100		
77	56.7	51.8	77.8
114	25.1	28.8	35.2#



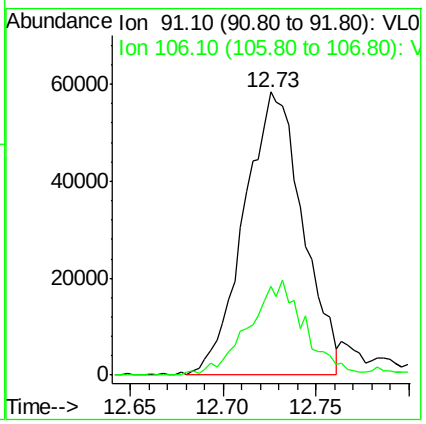


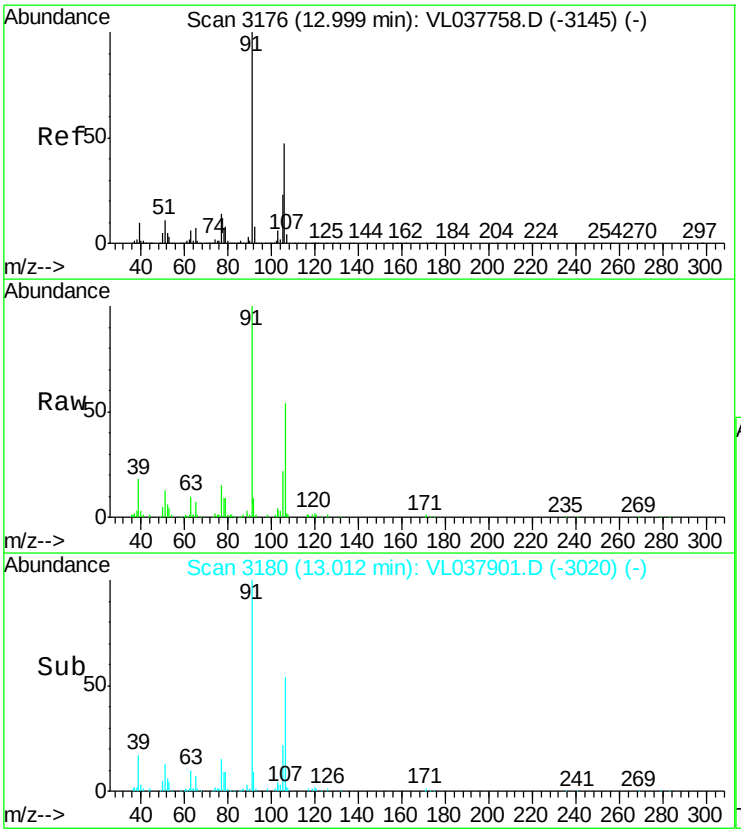
#58
Ethyl Benzene
Concen: 0.269 ppbv
RT: 12.73
Delta R.T
Lab File:
Acq: 25 Oct 2021 19:55

Instrument :
MSVOA_L
ClientSampleId :
MDL-AIR-03-QT4-2021

Tgt Ion: 91 Resp: 128475

Ion	Ratio	Lower	Upper
91	100		
106	30.5	25.3	37.9

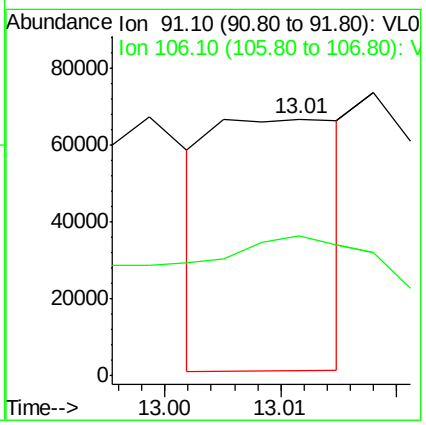


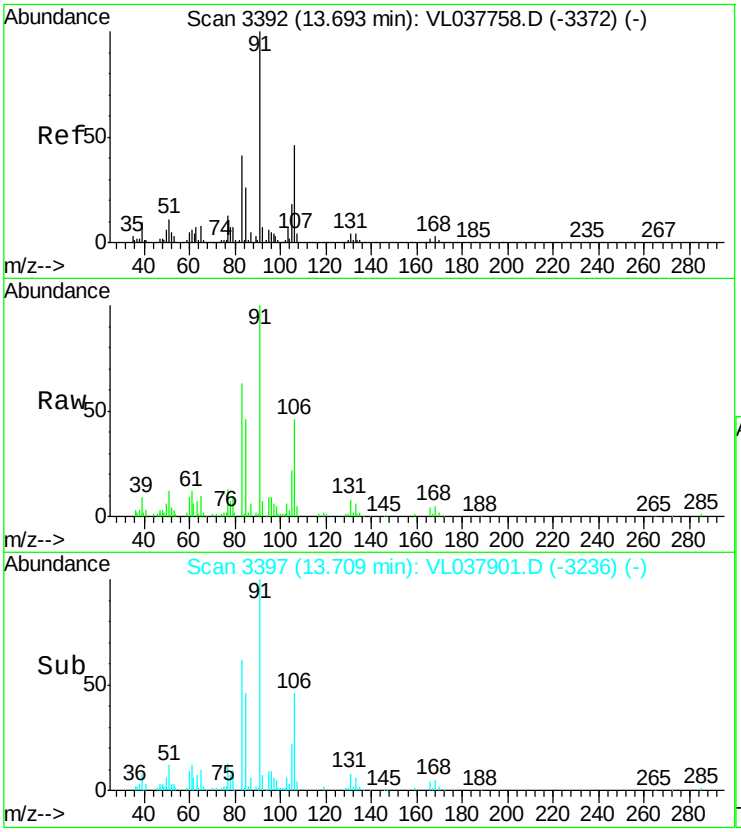


#59
m/p-Xylene
Concen: 0.123 ppbv
RT: 13.01 min Scan# 3180
Delta R.T. 0.01 min
Lab File: VL037901.D
Acq: 25 Oct 2021 19:55

Tgt Ion: 91 Resp: 50363

Ion	Ratio	Lower	Upper
91	100		
106	243.0	36.7	55.1#



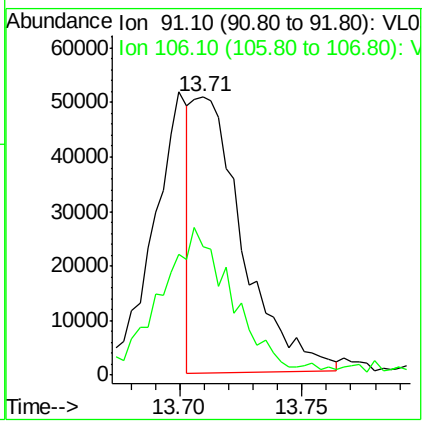


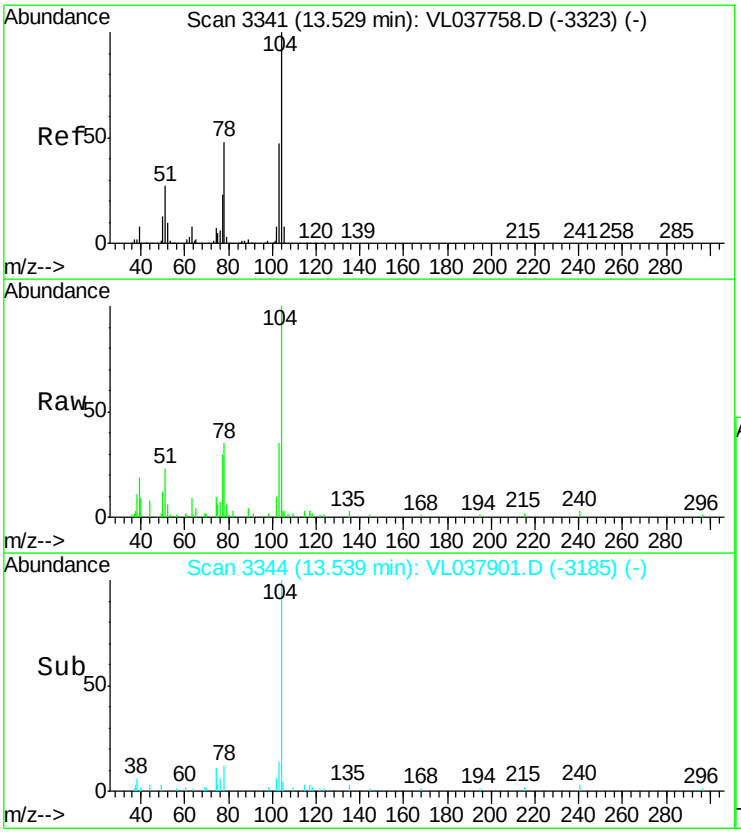
#60
o-Xylene
Concen: 0.186 ppbv
RT: 13.71
Delta R.T
Lab File:
Acq: 25 Oct 2021 19:55

Instrument :
MSVOA_L
ClientSampleId :
MDL-AIR-03-QT4-2021

Tgt Ion: 91 Resp: 73106

Ion	Ratio	Lower	Upper
91	100		
106	80.0	23.5	70.5#

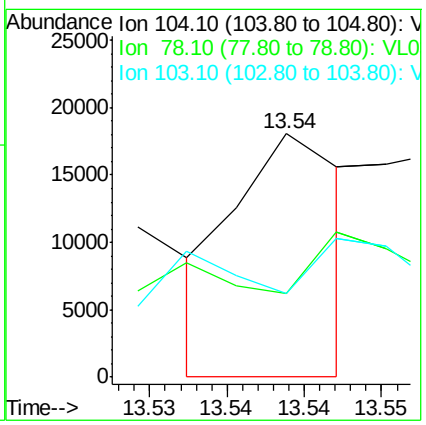


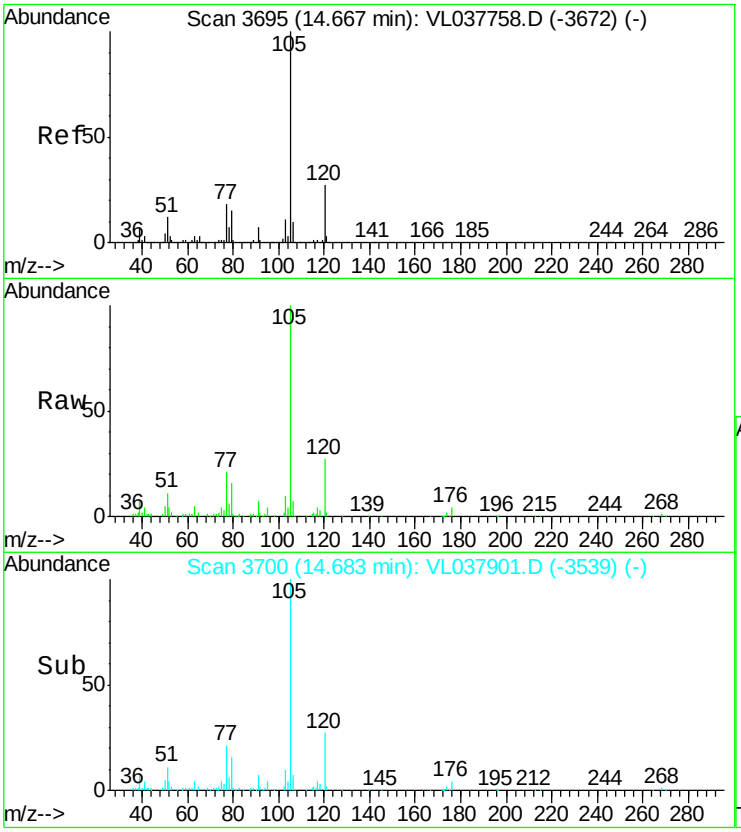


#61
Styrene
Concen: 0.047 ppbv
RT: 13.54 min Scan# 3344
Delta R.T. 0.01 min
Lab File: VL037901.D
Acq: 25 Oct 2021 19:55

Tgt Ion:104 Resp: 8917

Ion	Ratio	Lower	Upper
104	100		
78	259.9	40.6	61.0#
103	230.5	39.6	59.4#



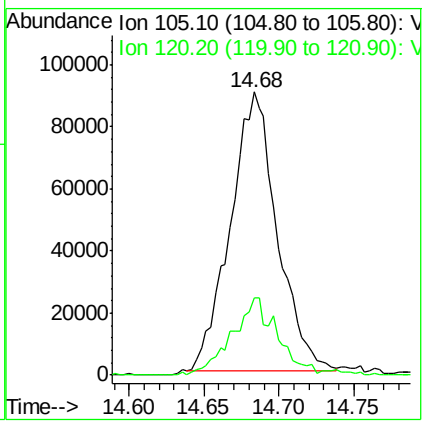


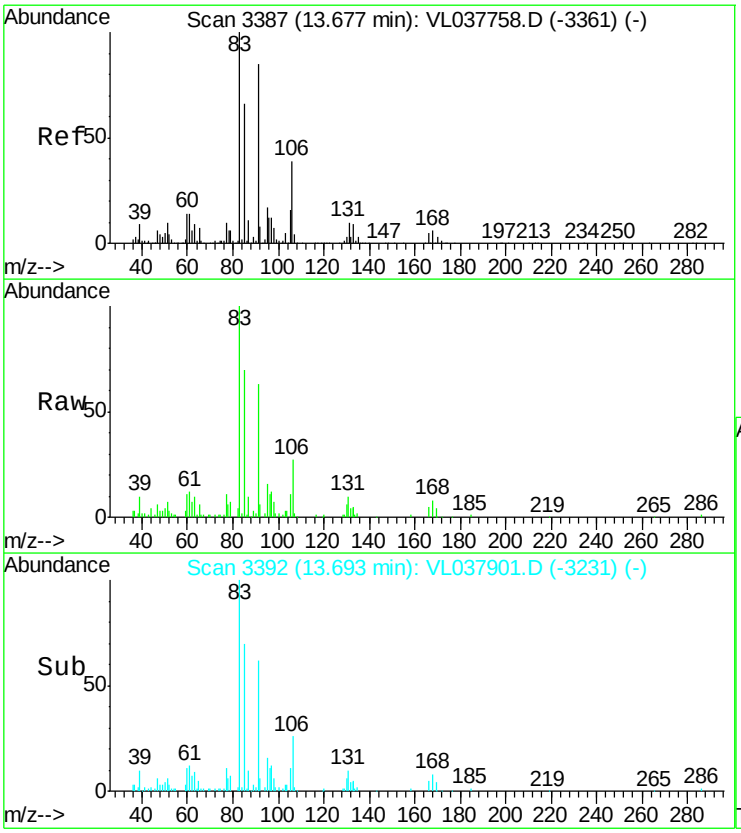
#62
Isopropylbenzene
Concen: 0.358 ppbv
RT: 14.68
Delta R.T
Lab File:
Acq: 25 Oct 2021 19:55

Instrument :
MSVOA_L
ClientSampleId :
MDL-AIR-03-QT4-2021

Tgt Ion:105 Resp: 196253

Ion	Ratio	Lower	Upper
105	100		
120	27.6	21.3	31.9

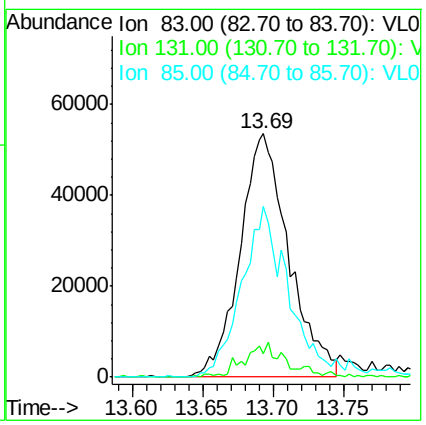


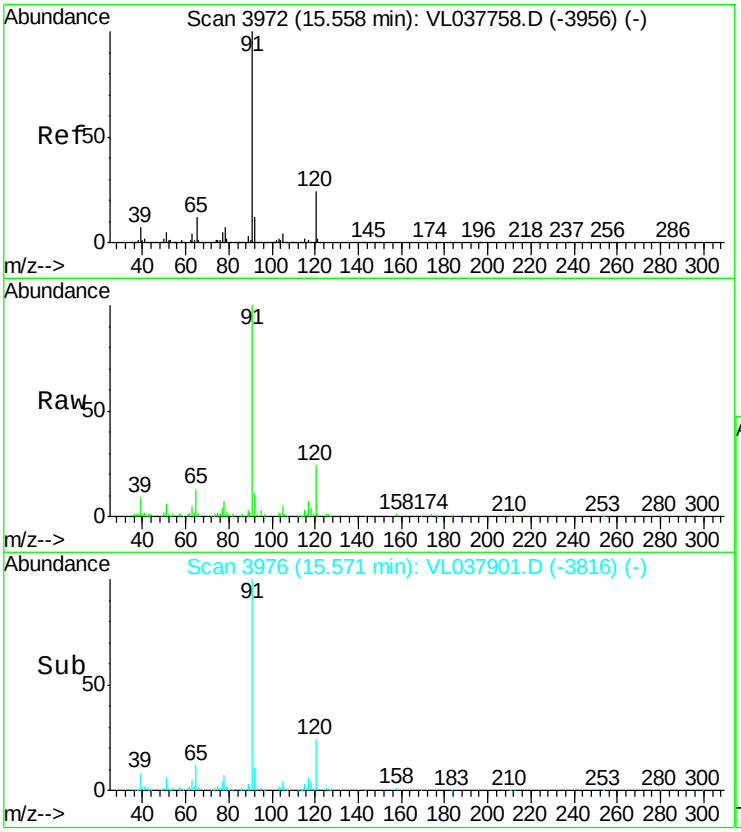


#63
1,1,2,2-Tetrachloroethane
Concen: 0.426 ppbv
RT: 13.69 min Scan# 3392
Delta R.T. 0.02 min
Lab File: VL037901.D
Acq: 25 Oct 2021 19:55

Tgt Ion: 83 Resp: 129349

Ion	Ratio	Lower	Upper
83	100		
131	12.2	5.0	15.0
85	70.4	33.1	99.5



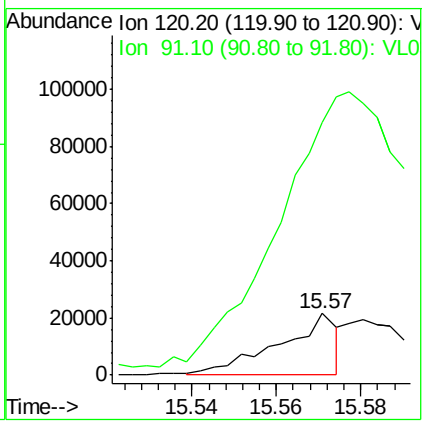


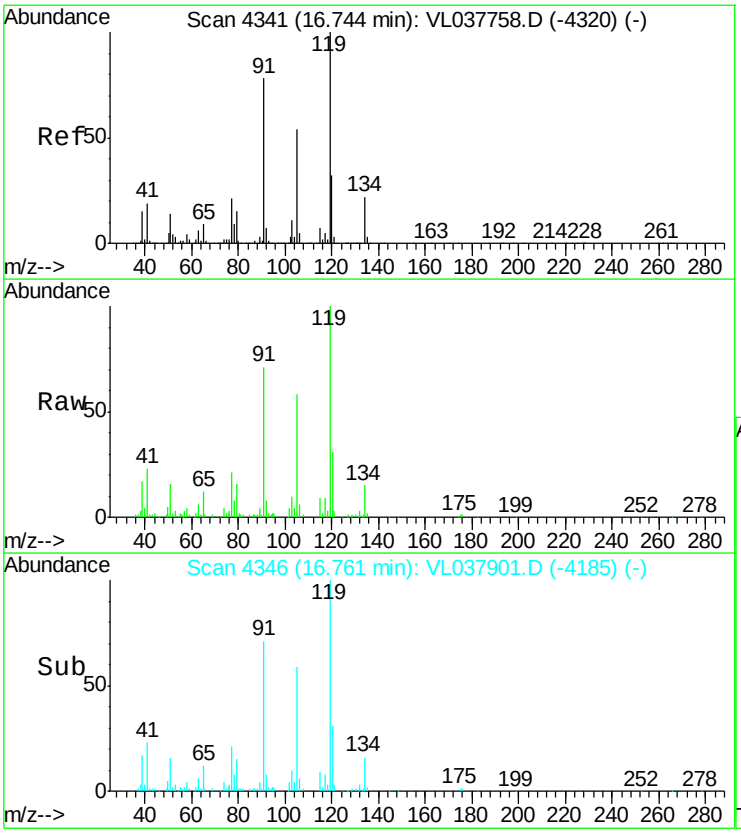
#64
n-propylbenzene
Concen: 0.150 ppbv
RT: 15.57
Delta R.T
Lab File:
Acq: 25 Oct 2021 19:55

Instrument :
MSVOA_L
ClientSampleId :
MDL-AIR-03-QT4-2021

Tgt Ion:120 Resp: 20570

Ion	Ratio	Lower	Upper
120	100		
91	0.0	375.0	562.6#

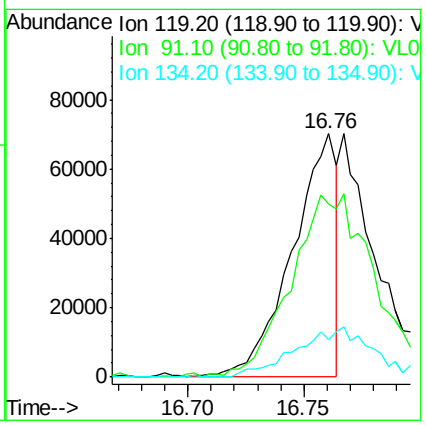


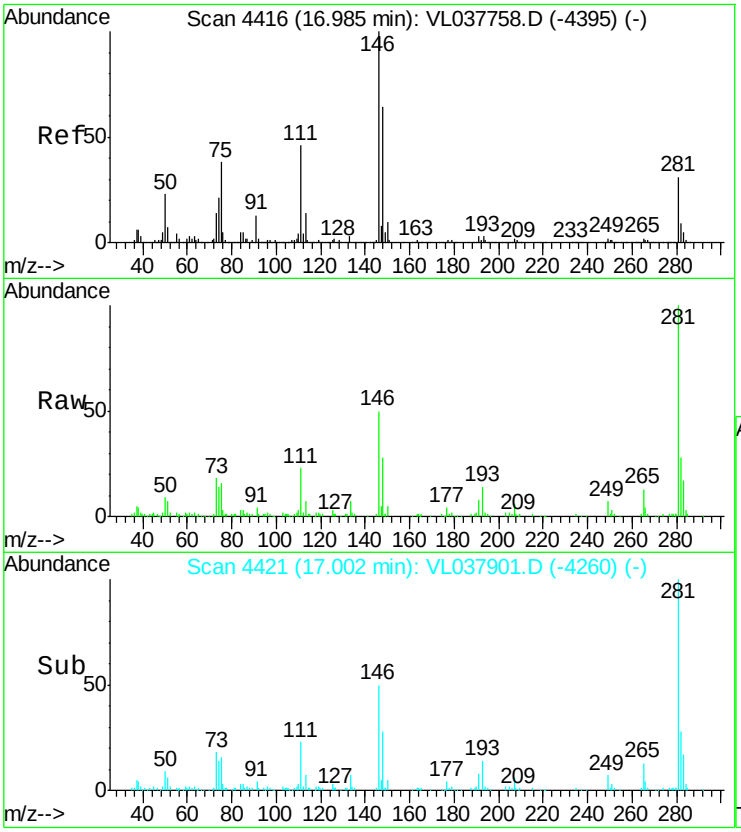


#65
tert-Butylbenzene
Concen: 0.193 ppbv
RT: 16.76 min Scan# 4346
Delta R.T. 0.02 min
Lab File: VL037901.D
Acq: 25 Oct 2021 19:55

Tgt Ion:119 Resp: 93122

Ion	Ratio	Lower	Upper
119	100		
91	0.0	62.6	94.0#
134	0.0	16.3	24.5#



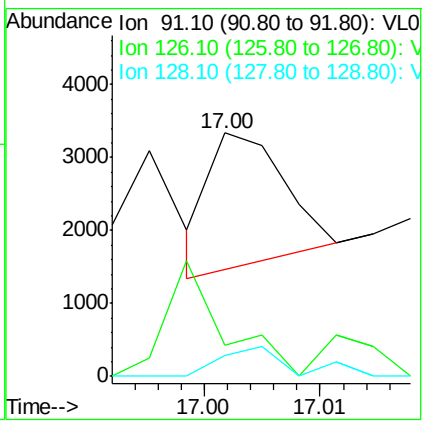


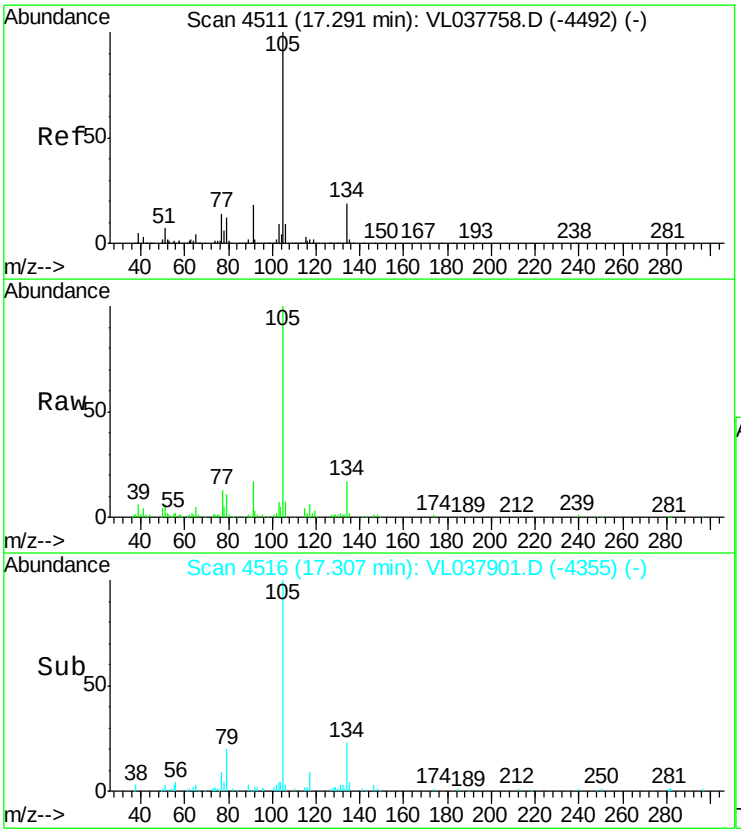
#66
Benzyl Chloride
Concen: 0.035 ppbv
RT: 17.00
Delta R.T
Lab File:
Acq: 25 Oct 2021 19:55

Instrument :
MSVOA_L
ClientSampleId :
MDL-AIR-03-QT4-2021

Tgt Ion: 91 Resp: 840

Ion	Ratio	Lower	Upper
91	100		
126	206.8	0.0	0.0#
128	20.7	5.3	7.9#

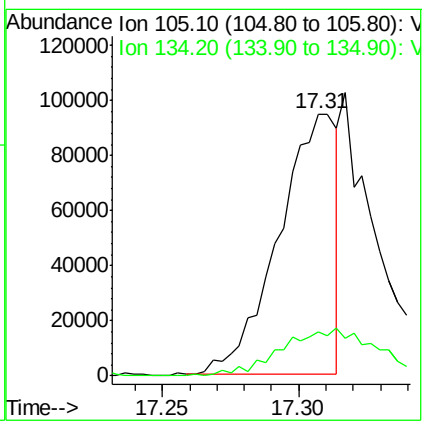


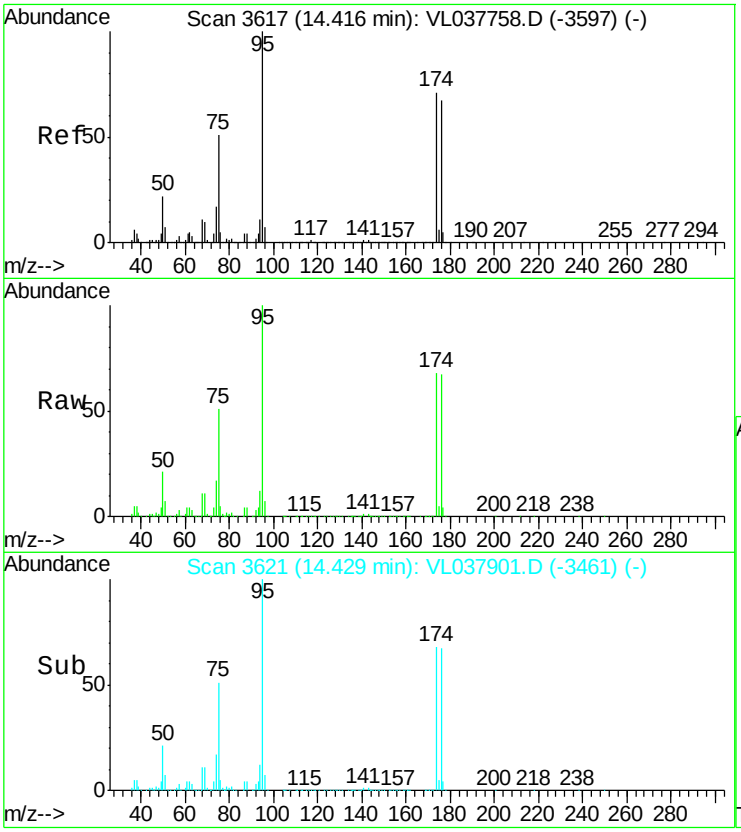


#67
sec-Butylbenzene
Concen: 0.212 ppbv
RT: 17.31 min Scan# 4516
Delta R.T. 0.02 min
Lab File: VL037901.D
Acq: 25 Oct 2021 19:55

Tgt Ion:105 Resp: 139630

Ion	Ratio	Lower	Upper
105	100		
134	0.0	15.4	23.0#



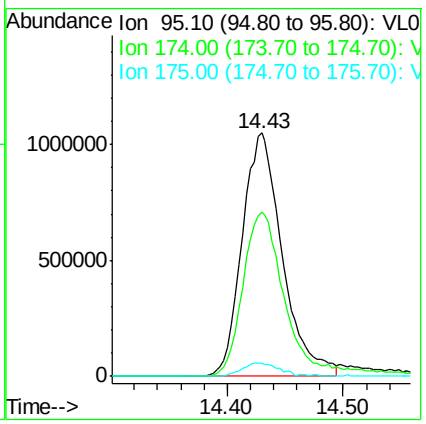


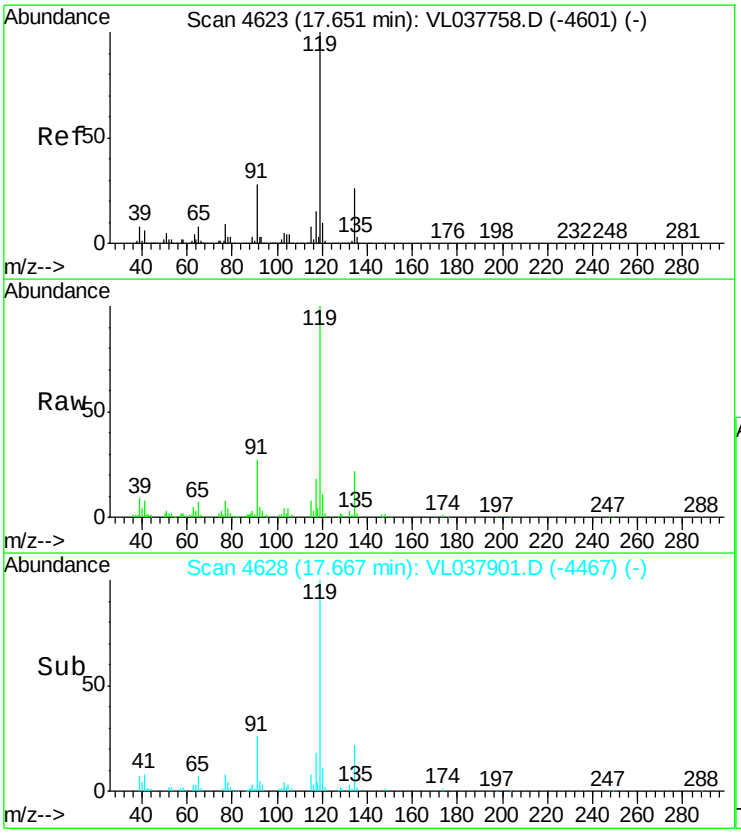
#68
1-Bromo-4-Fluorobenzene
Concen: 10.181 ppbv
RT: 14.43
Delta R.T
Lab File:
Acq: 25 Oct 2021 19:55

Instrument :
MSVOA_L
ClientSampleId :
MDL-AIR-03-QT4-2021

Tgt Ion: 95 Resp: 2533693

Ion	Ratio	Lower	Upper
95	100		
174	73.7	57.8	86.6
175	5.5	4.7	7.1

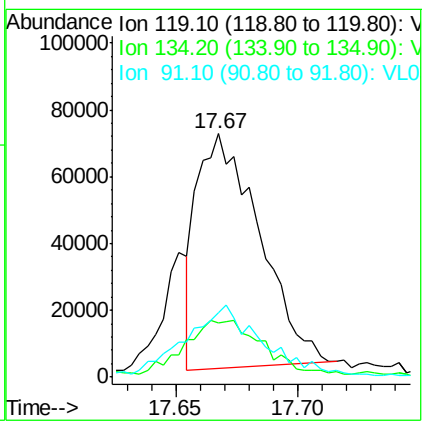


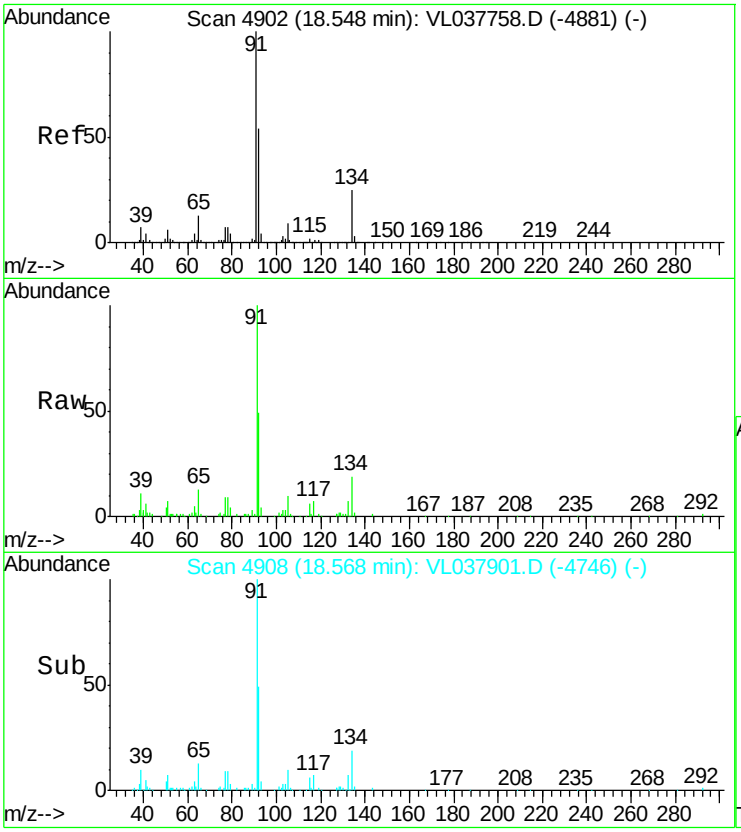


#69
p-Isopropyltoluene
Concen: 0.233 ppbv
RT: 17.67 min Scan# 4628
Delta R.T. 0.02 min
Lab File: VL037901.D
Acq: 25 Oct 2021 19:55

Tgt Ion:119 Resp: 124210

Ion	Ratio	Lower	Upper
119	100		
134	34.5	21.2	31.8#
91	40.6	22.2	33.4#



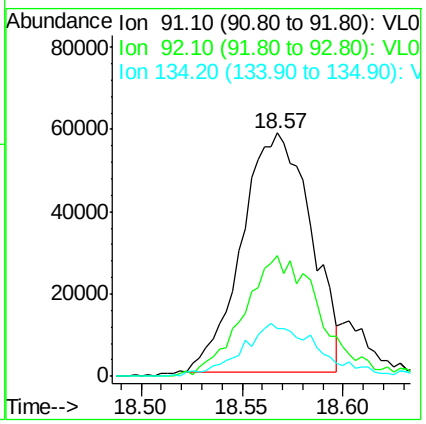


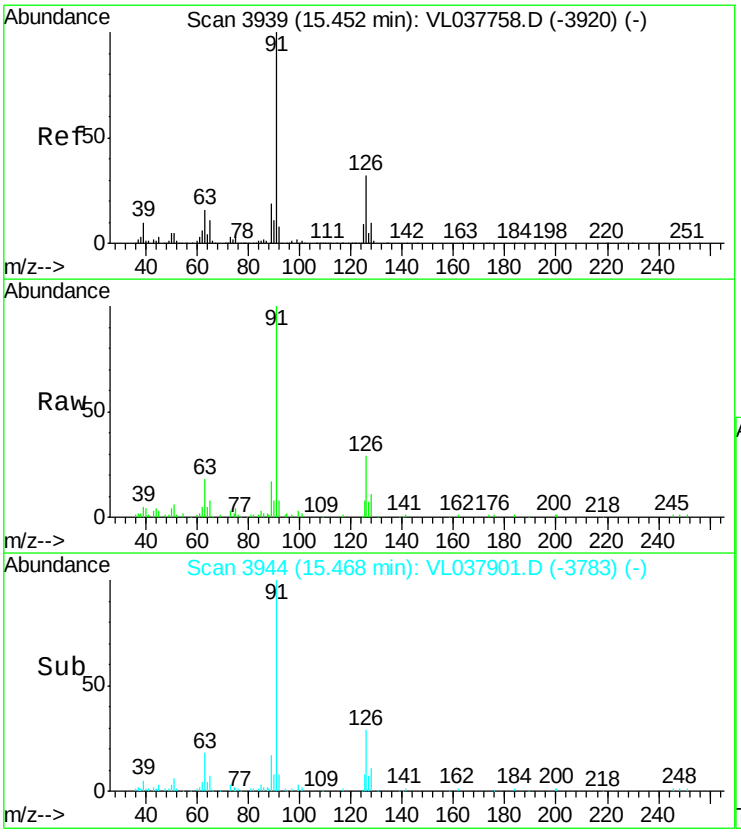
#70
n-Butylbenzene
Concen: 0.273 ppbv
RT: 18.57
Delta R.T
Lab File:
Acq: 25 Oct 2021 19:55

Instrument :
MSVOA_L
ClientSampleId :
MDL-AIR-03-QT4-2021

Tgt Ion: 91 Resp: 138585

Ion	Ratio	Lower	Upper
91	100		
92	55.7	43.4	65.0
134	24.5	19.8	29.6

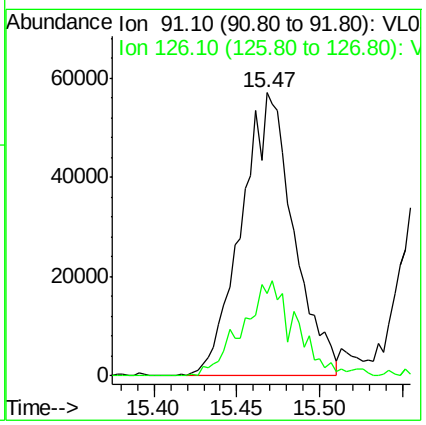


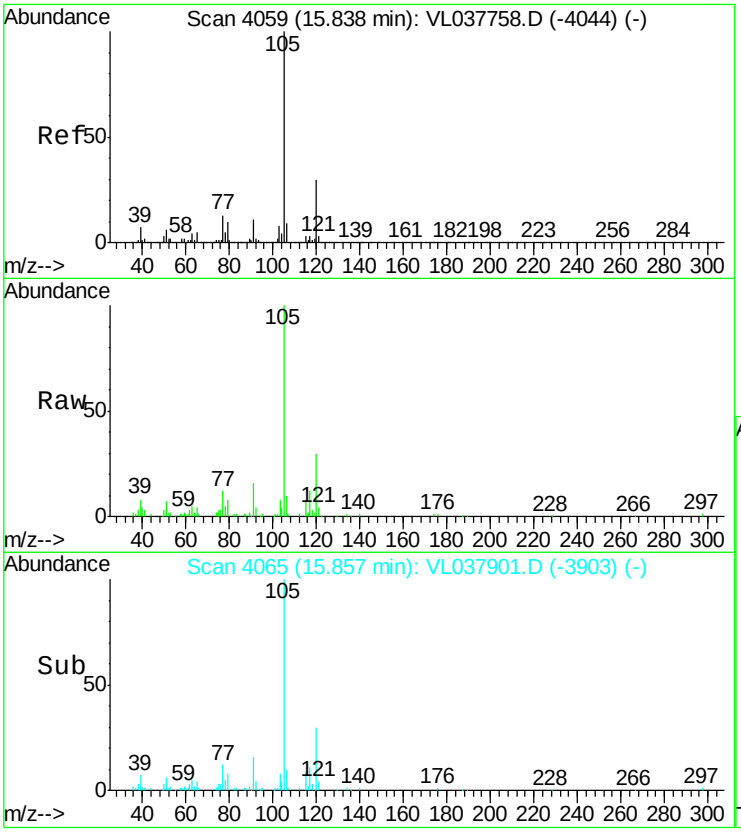


#71
2-Chlorotoluene
Concen: 0.324 ppbv
RT: 15.47 min Scan# 3944
Delta R.T. 0.02 min
Lab File: VL037901.D
Acq: 25 Oct 2021 19:55

Tgt Ion: 91 Resp: 125505

Ion	Ratio	Lower	Upper
91	100		
126	34.9	13.6	54.6



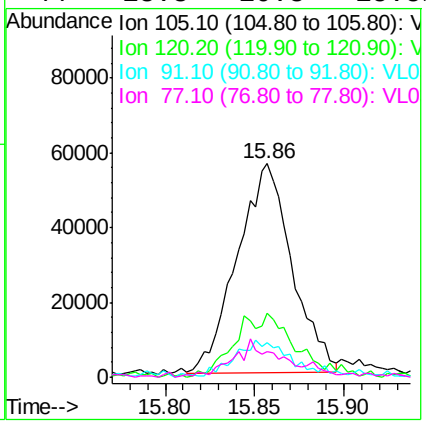


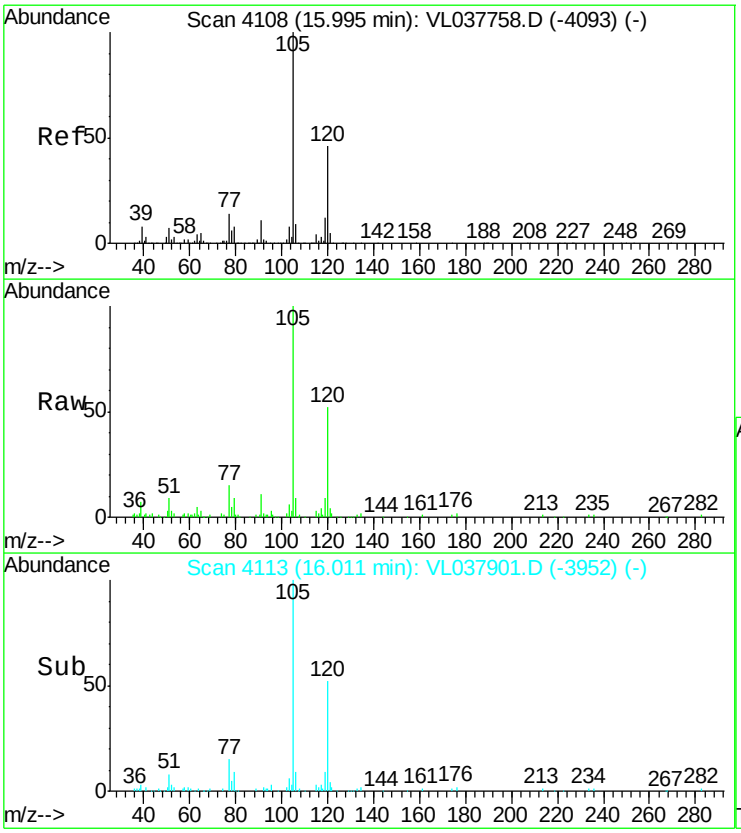
#72
4-Ethyltoluene
Concen: 0.269 ppbv
RT: 15.86
Delta R.T
Lab File:
Acq: 25 Oct 2021 19:55

Instrument :
MSVOA_L
ClientSampleId :
MDL-AIR-03-QT4-2021

Tgt Ion:105 Resp: 120272

Ion	Ratio	Lower	Upper
105	100		
120	34.4	24.2	36.2
91	18.7	10.4	15.6#
77	18.3	10.3	15.5#

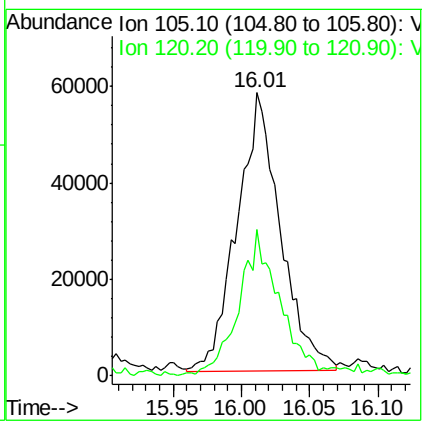


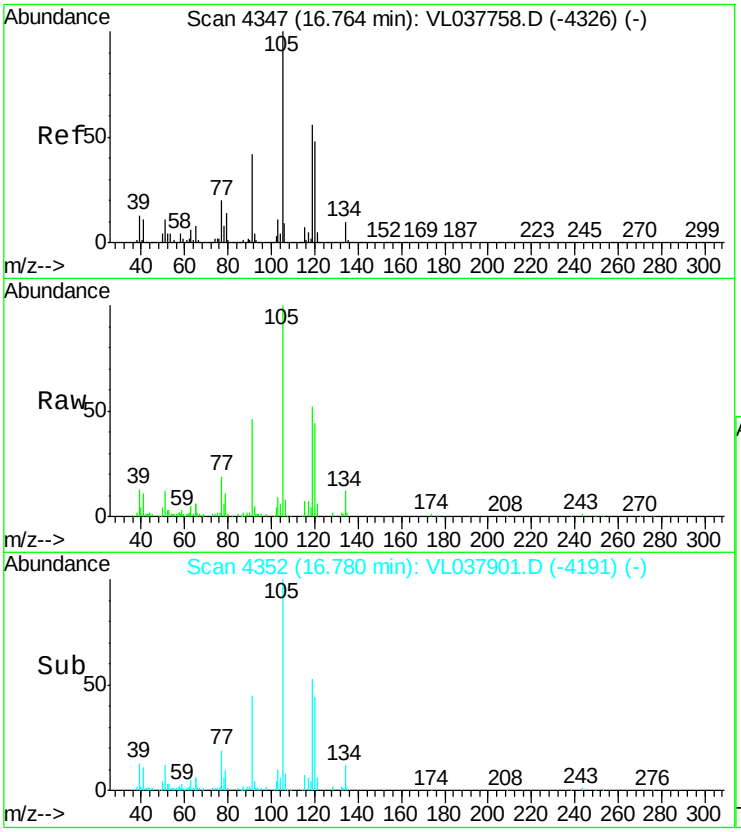


#73
1,3,5-Trimethylbenzene
Concen: 0.314 ppbv
RT: 16.01 min Scan# 4113
Delta R.T. 0.02 min
Lab File: VL037901.D
Acq: 25 Oct 2021 19:55

Tgt Ion:105 Resp: 127274

Ion	Ratio	Lower	Upper
105	100		
120	51.5	36.6	54.8



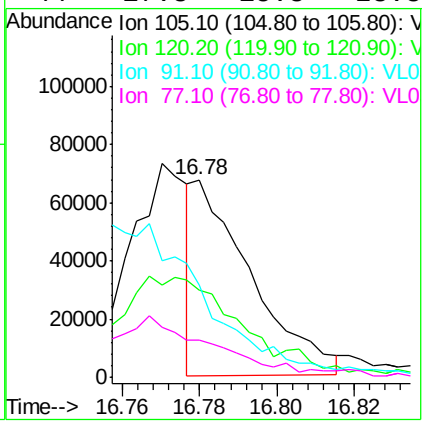


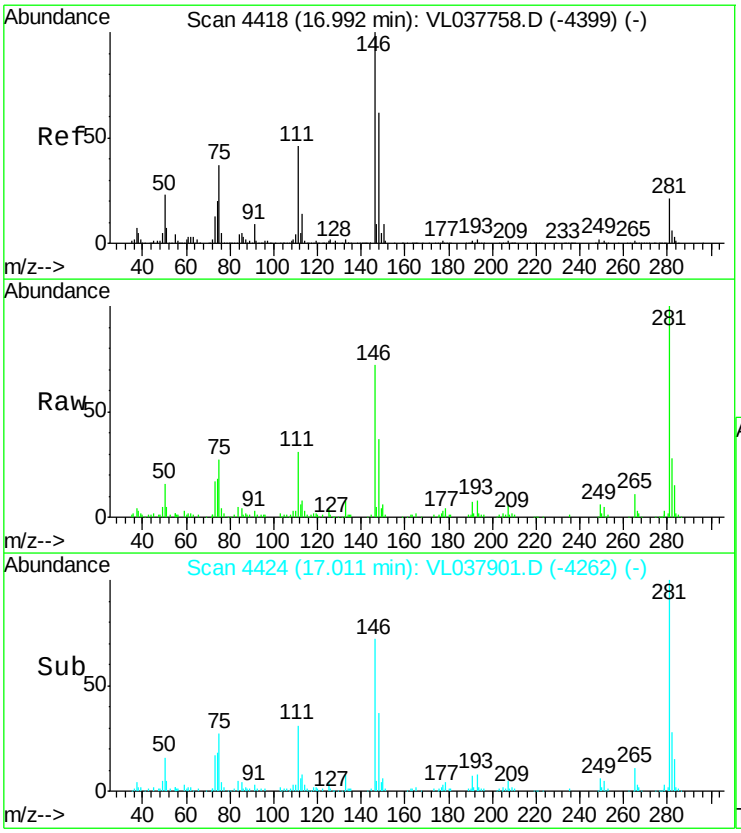
#74
1,2,4-Trimethylbenzene
Concen: 0.161 ppbv
RT: 16.78
Delta R.T
Lab File:
Acq: 25 Oct 2021 19:55

Instrument :
MSVOA_L
ClientSampleId :
MDL-AIR-03-QT4-2021

Tgt Ion:105 Resp: 68744

Ion	Ratio	Lower	Upper
105	100		
120	42.5	38.4	57.6
91	47.7	34.2	51.2
77	17.8	15.8	23.8

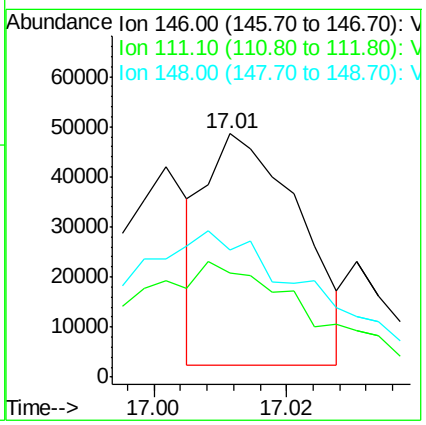


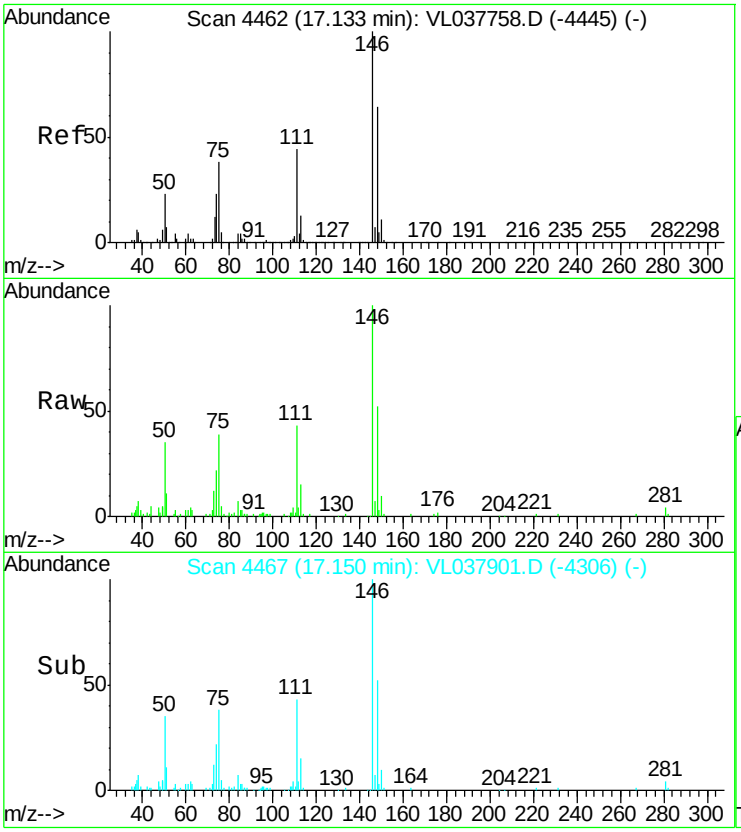


#75
1,3-Dichlorobenzene
Concen: 0.173 ppbv
RT: 17.01 min Scan# 4424
Delta R.T. 0.02 min
Lab File: VL037901.D
Acq: 25 Oct 2021 19:55

Tgt Ion:146 Resp: 45578

Ion	Ratio	Lower	Upper
146	100		
111	126.3	22.8	68.4#
148	158.0	32.8	98.3#



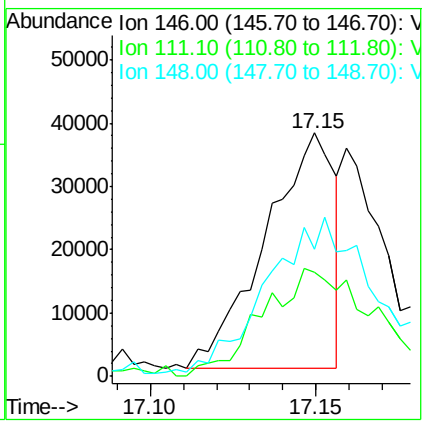


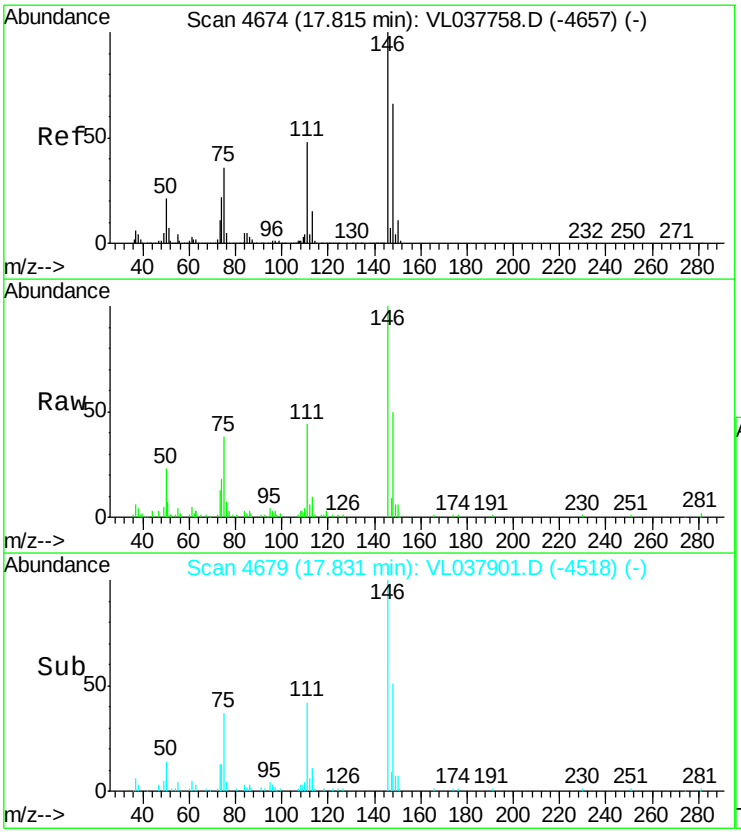
#76
1,4-Dichlorobenzene
Concen: 0.215 ppbv
RT: 17.15
Delta R.T
Lab File:
Acq: 25 Oct 2021 19:55

Instrument :
MSVOA_L
ClientSampleId :
MDL-AIR-03-QT4-2021

Tgt Ion:146 Resp: 54191

Ion	Ratio	Lower	Upper
146	100		
111	86.5	22.4	67.3#
148	121.0	33.3	99.9#

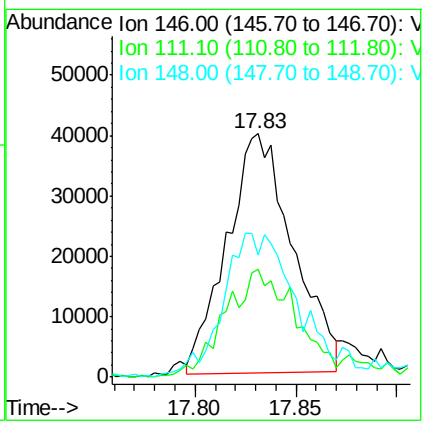


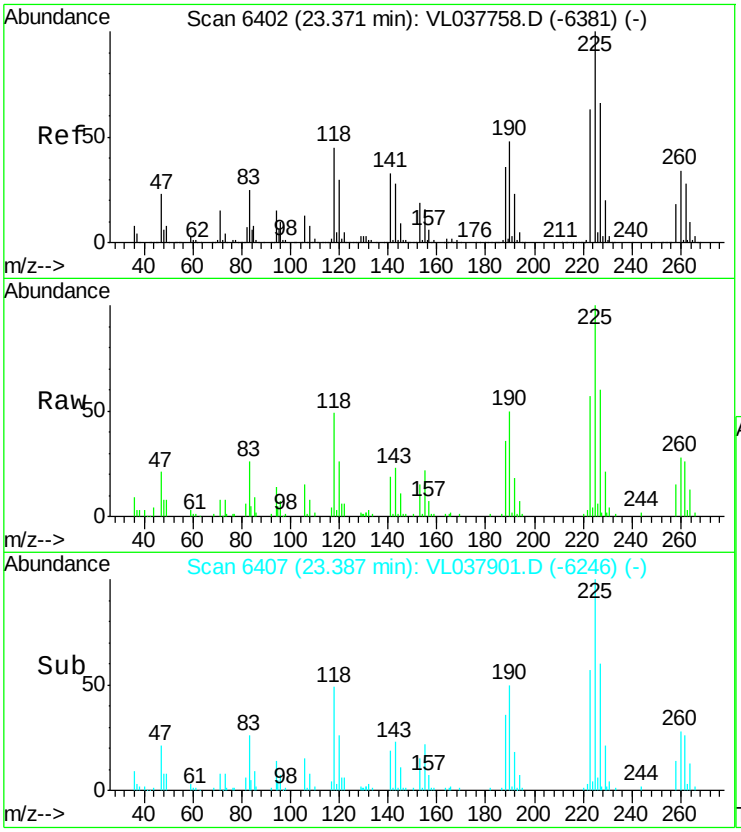


#77
1,2-Dichlorobenzene
Concen: 0.359 ppbv
RT: 17.83 min Scan# 4679
Delta R.T. 0.02 min
Lab File: VL037901.D
Acq: 25 Oct 2021 19:55

Tgt Ion:146 Resp: 90953

Ion	Ratio	Lower	Upper
146	100		
111	53.4	23.6	70.8
148	72.1	32.9	98.6



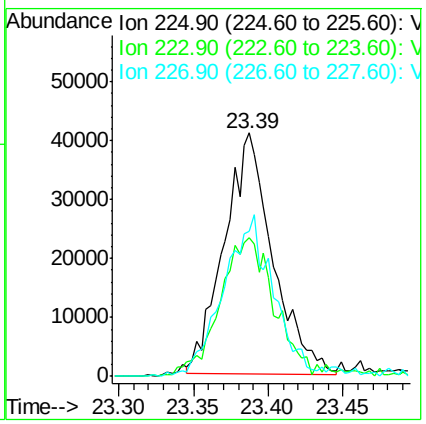


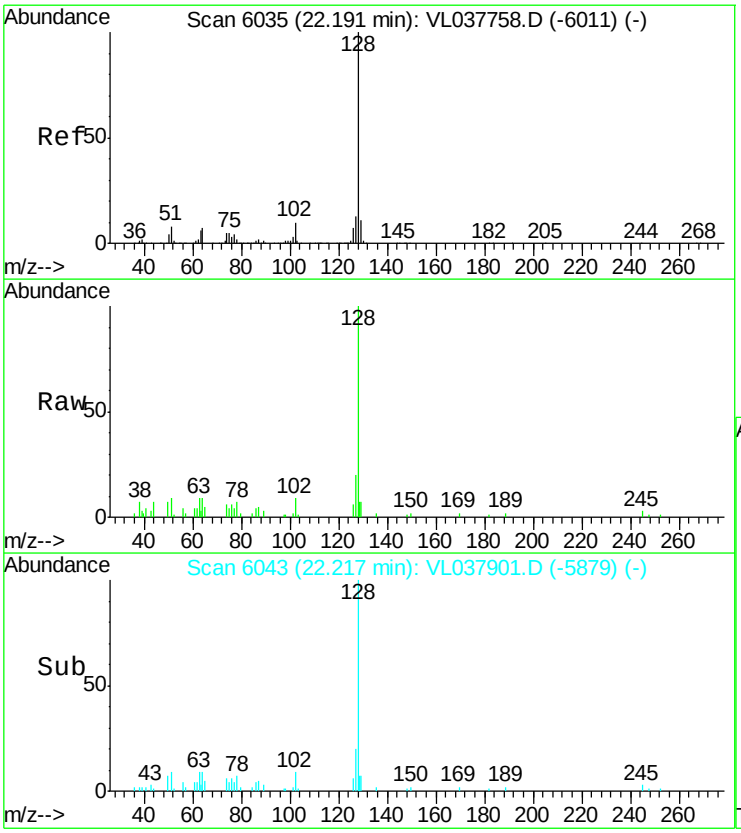
#78
Hexachloro-1,3-Butadiene
Concen: 0.449 ppbv
RT: 23.39
Delta R.T
Lab File:
Acq: 25 Oct 2021 19:55

Instrument :
MSVOA_L
ClientSampleId :
MDL-AIR-03-QT4-2021

Tgt Ion:225 Resp: 92833

Ion	Ratio	Lower	Upper
225	100		
223	65.4	51.2	76.8
227	70.2	51.1	76.7

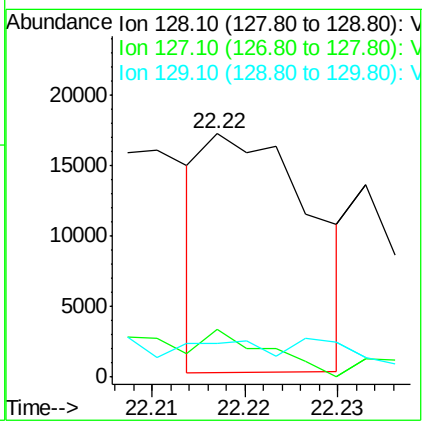


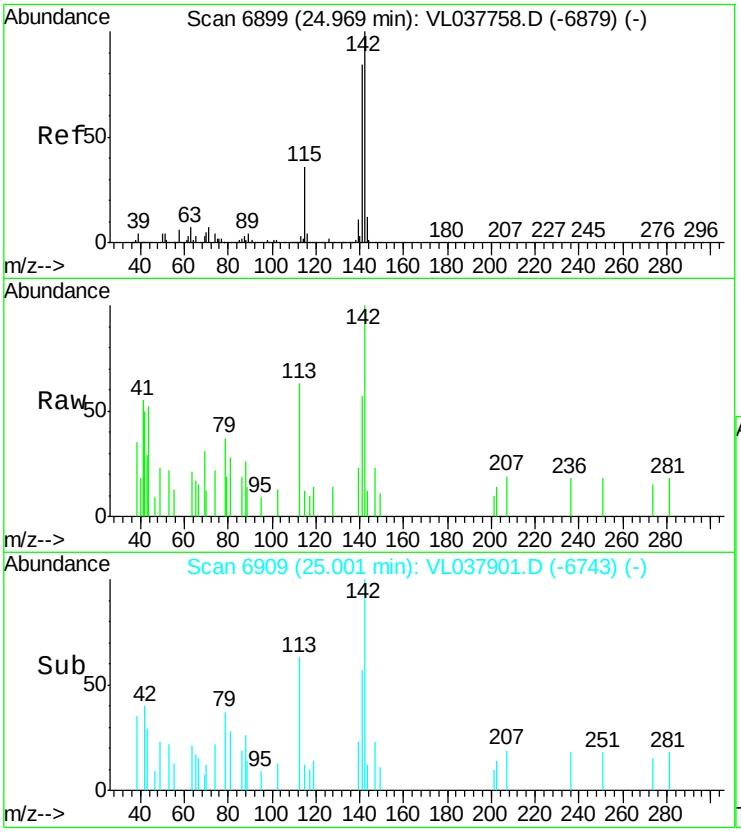


#79
Naphthalene
Concen: 0.052 ppbv
RT: 22.22 min Scan# 6043
Delta R.T. 0.03 min
Lab File: VL037901.D
Acq: 25 Oct 2021 19:55

Tgt Ion:128 Resp: 13555

Ion	Ratio	Lower	Upper
128	100		
127	44.0	10.1	15.1#
129	0.1	9.1	13.7#



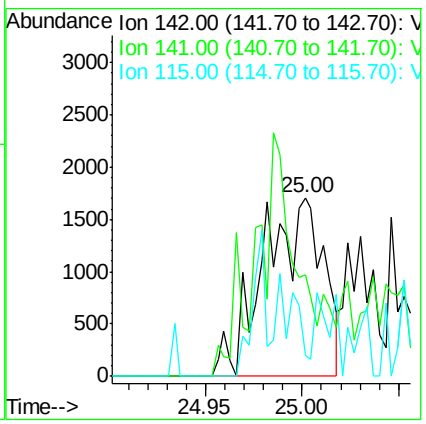


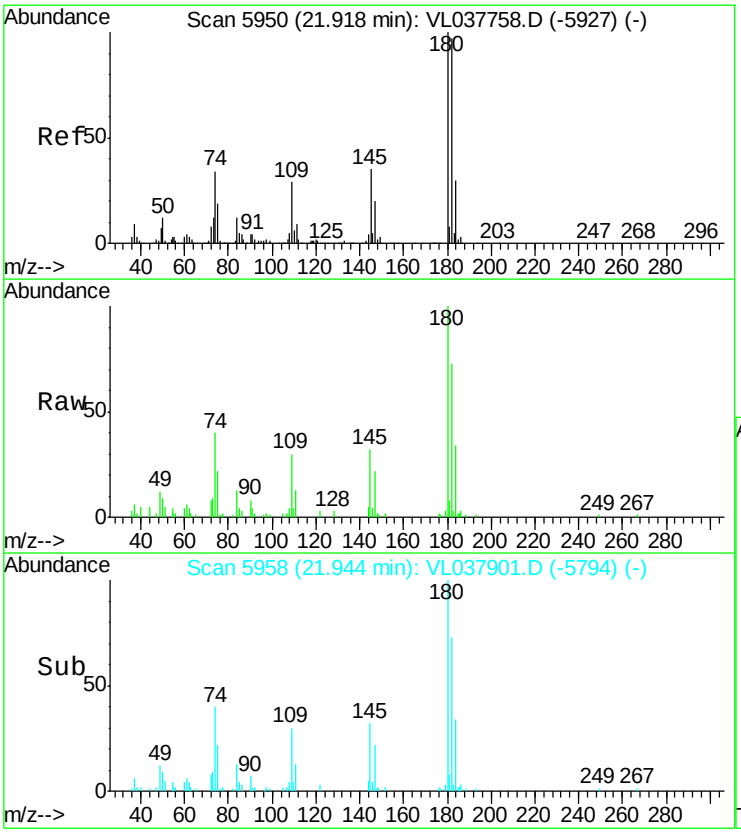
#80
Naphthalene,2-methyl-
Concen: 0.053 ppbv
RT: 25.00
Delta R.T
Lab File:
Acq: 25 Oct 2021 19:55

Instrument :
MSVOA_L
ClientSampleId :
MDL-AIR-03-QT4-2021

Tgt Ion:142 Resp: 3690

Ion	Ratio	Lower	Upper
142	100		
141	107.6	68.6	102.8#
115	58.5	29.0	43.6#





#81
1,2,4-Trichlorobenzene
Concen: 0.132 ppbv
RT: 21.94 min Scan# 5958
Delta R.T. 0.03 min
Lab File: VL037901.D
Acq: 25 Oct 2021 19:55

Tgt Ion:180 Resp: 22073

Ion	Ratio	Lower	Upper
180	100		
182	213.7	77.6	116.4#
184	69.3	25.0	37.4#