Quantitation Report (Not Reviewed)

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_L\DATA\VL102521\
Data File : VL037902.D
Acq On : 25 Oct 2021 20:32
Operator : SY/AP
Sample : M4068-15 0.40
Misc : 400mL/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

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

Quant Time: Oct 25 23:52:51 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	1437234	10.00	ppbv		0.02
33) 1,4-Difluorobenzene	7.19	114	4259647	10.00	ppbv		0.02
55) Chlorobenzene-d5	12.10	117	3591190	10.00	ppbv		0.01
System Monitoring Compounds							
68) 1-Bromo-4-Fluorobenzene	14.43	95	2551380	10.16	ppbv		0.00
Spiked Amount 10.000	Range 65 - 135		Recovery = 101.60%				
Target Compounds							Qvalue
2) Dichlorodifluoromethane	3.07	85	99587	0.434	ppbv		89
3) Chlorodifluoromethane	3.01	51	119215	0.432	ppbv		97
4) Chloromethane	3.16	50	41900	0.414	ppbv		94
5) Vinyl Chloride	3.27	62	38707	0.417	ppbv		90
6) Bromomethane	3.49	94	20848	0.416	ppbv		94
7) Chloroethane	3.57	64	12865	0.377	ppbv		92
8) Dichlorotetrafluoroethane	3.20	85	95536	0.421	ppbv		93
9) Propene	3.02	41	16904	0.166	ppbv	#	16
10) Heptane	8.14	43	29442	0.128	ppbv	#	1
11) Trichlorofluoromethane	3.96	101	86643	0.423	ppbv	#	81
12) 1,1,2-Trichlorotrifluoroet	4.50	101	28166	0.181	ppbv	#	10
13) Ethanol	3.64	45	1745	0.210	ppbv	#	1
14) Bromoethene	3.76	108	22493	0.330	ppbv	#	73
15) Acetone	3.89	43	49327	0.382	ppbv		92
16) 1,3-Butadiene	3.34	39	26878	0.286	ppbv		83
18) 1,1-Dichloroethene	4.31	96	27388	0.388	ppbv		93
20) Methylene Chloride	4.36	84	17919	0.275	ppbv		97
21) Allyl Chloride	4.42	41	40042	0.350	ppbv	#	79
22) trans-1,2-Dichloroethene	4.90	96	11630	0.164	ppbv		80
23) Vinyl Acetate	5.07	43	7299	0.038	ppbv	#	82
24) 1,1-Dichloroethane	5.03	63	65772	0.467	ppbv	#	95
25) Ethyl Acetate	5.71	43	122562	0.339	ppbv	#	91
26) Hexane	5.71	57	31654	0.178	ppbv	#	1
27) Carbon Disulfide	4.57	76	49610	0.314	ppbv	#	93
28) Methyl tert-Butyl Ether	5.07	73	32828	0.221	ppbv	#	50
29) Chloroform	5.77	83	100128	0.393	ppbv		96
30) Cyclohexane	7.15	84	9737	0.064	ppbv	#	1
31) cis-1,2-Dichloroethene	5.57	61	52097	0.322	ppbv		94
32) 1,1,1-Trichloroethane	6.53	97	91468	0.379	ppbv		96
34) 2-Butanone	5.28	43	31275	0.182	ppbv	#	53
35) Carbon Tetrachloride	7.04	117	88000	0.364	ppbv		97
36) Benzene	6.91	78	115779	0.318	ppbv		96
37) 1,2-Dichloroethane	6.32	62	39494	0.231	ppbv	#	75
38) Trichloroethene	7.85	130	24929	0.173	ppbv		86
39) 1,2-Dichloropropane	7.64	63	21864	0.160	ppbv	#	77
42) Bromodichloromethane	7.81	83	79287	0.315	ppbv	#	93
43) Methyl Methacrylate	8.04	69	15008	0.126	ppbv	#	1
44) 2,2,4-Trimethylpentane	7.88	57	108942	0.178	ppbv	#	37
45) t-1,3-Dichloropropene	9.31	75	2200	0.027	ppbv		89
46) cis-1,3-Dichloropropene	8.72	75	17193	0.152	ppbv		93
47) 1,1,2-Trichloroethane	9.49	97	53864	0.362	ppbv	#	86

Quantitation Report (Not Reviewed)

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_L\DATA\VL102521\
Data File : VL037902.D
Acq On : 25 Oct 2021 20:32
Operator : SY/AP
Sample : M4068-15 0.40
Misc : 400mL/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

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

Quant Time: Oct 25 23:52:51 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)
48) Dibromochloromethane	10.33	129	27358	0.129	ppbv	#	1
49) Bromoform	13.06	173	29192	0.180	ppbv	#	46
50) 4-Methyl-2-Pentanone	8.78	43	20299	0.091	ppbv	#	2
51) 2-Hexanone	10.17	43	3625	0.036	ppbv	#	29
52) Tetrachloroethene	11.26	164	7468	0.053	ppbv		89
53) Toluene	9.83	91	85873	0.213	ppbv		92
54) 1,2-Dibromoethane	10.62	107	16316	0.081	ppbv		93
56) 1,1,1,2-Tetrachloroethane	12.15	131	39532	0.266	ppbv	#	1
57) Chlorobenzene	12.16	112	68340	0.232	ppbv	#	74
58) Ethyl Benzene	12.72	91	52401	0.109	ppbv		99
59) m/p-Xylene	13.01	91	46949	0.113	ppbv	#	1
60) o-Xylene	13.71	91	113428	0.286	ppbv		96
61) Styrene	13.54	104	35148	0.183	ppbv		91
62) Isopropylbenzene	14.69	105	181694	0.328	ppbv		98
63) 1,1,2,2-Tetrachloroethane	13.69	83	91084	0.298	ppbv		68
64) n-propylbenzene	15.58	120	28130	0.204	ppbv	#	1
65) tert-Butylbenzene	16.77	119	158995	0.327	ppbv		98
66) Benzyl Chloride	17.00	91	1695	0.071	ppbv	#	49
67) sec-Butylbenzene	17.31	105	203045	0.305	ppbv		98
69) p-Isopropyltoluene	17.67	119	78543	0.146	ppbv	#	49
70) n-Butylbenzene	18.57	91	10669	0.021	ppbv	#	1
71) 2-Chlorotoluene	15.47	91	112559	0.288	ppbv		98
72) 4-Ethyltoluene	15.86	105	119690	0.266	ppbv	#	93
73) 1,3,5-Trimethylbenzene	16.01	105	51759	0.127	ppbv	#	61
74) 1,2,4-Trimethylbenzene	16.78	105	109814	0.256	ppbv	#	84
75) 1,3-Dichlorobenzene	17.02	146	53175	0.200	ppbv	#	28
76) 1,4-Dichlorobenzene	17.16	146	52075	0.205	ppbv	#	30
77) 1,2-Dichlorobenzene	17.83	146	53113	0.208	ppbv	#	22
78) Hexachloro-1,3-Butadiene	23.38	225	17977	0.086	ppbv	#	1
79) Naphthalene	22.23	128	16890	0.064	ppbv		96
80) Naphthalene,2-methyl-	25.03	142	4174	0.059	ppbv	#	79
81) 1,2,4-Trichlorobenzene	21.94	180	10842	0.064	ppbv	#	1

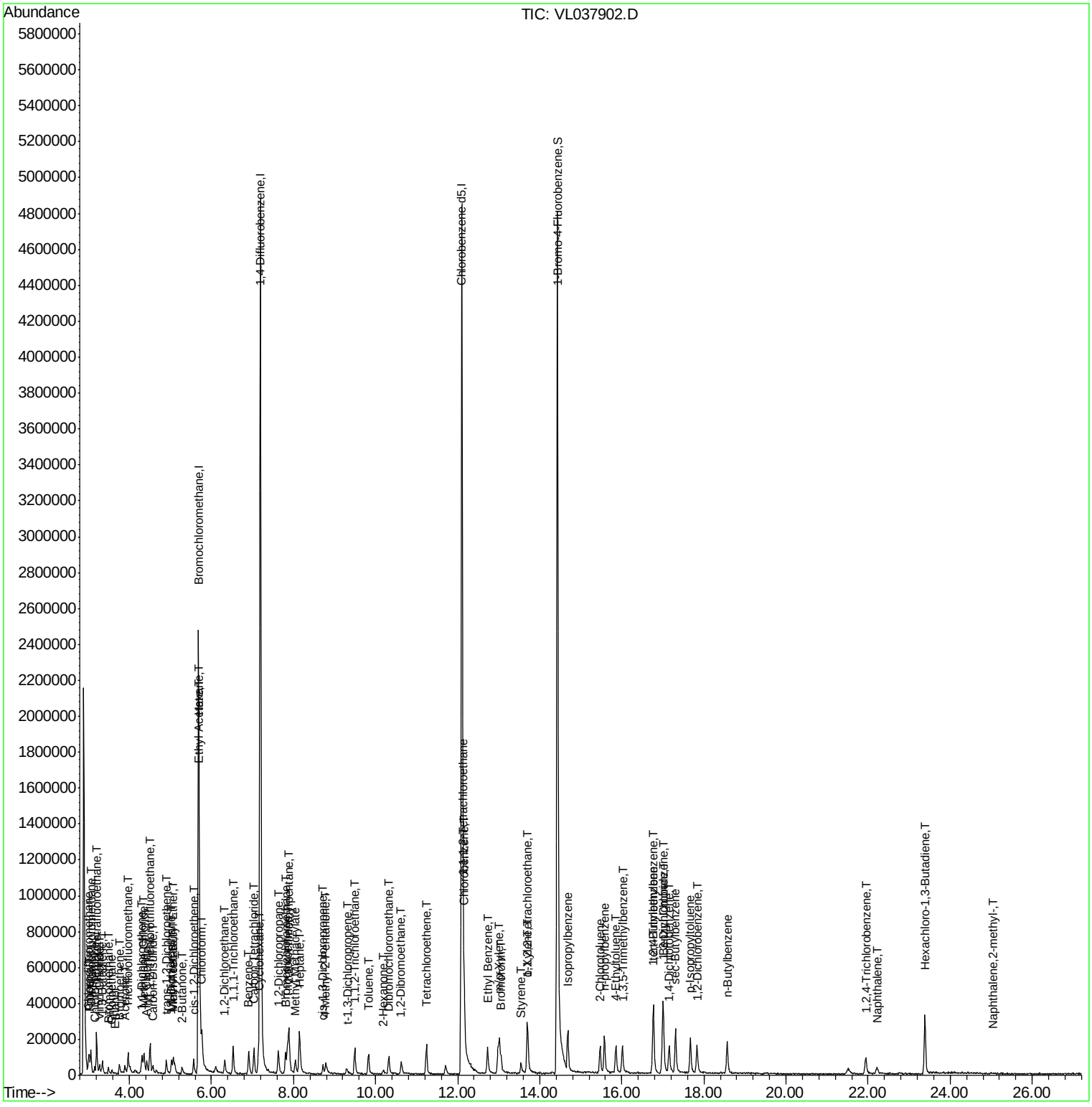
(#) = qualifier out of range (m) = manual integration (+) = signals summed

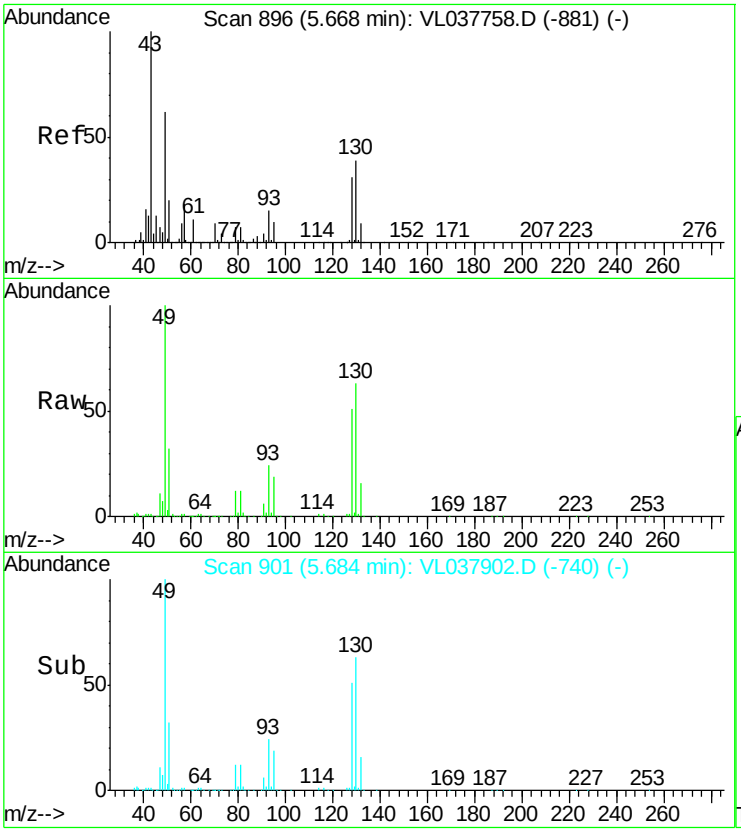
Quantitation Report (Not Reviewed)

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_L\DATA\VL102521\
Data File : VL037902.D
Acq On : 25 Oct 2021 20:32
Operator : SY/AP
Sample : M4068-15 0.40
Misc : 400mL/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

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

Quant Time: Oct 25 23:52:51 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



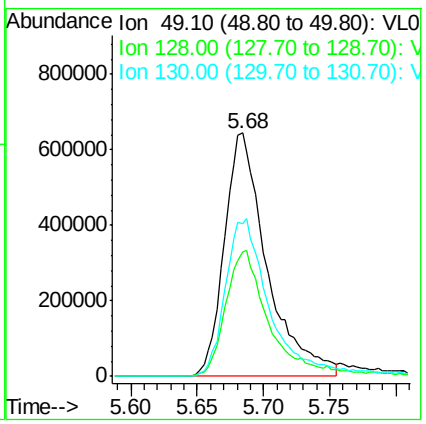


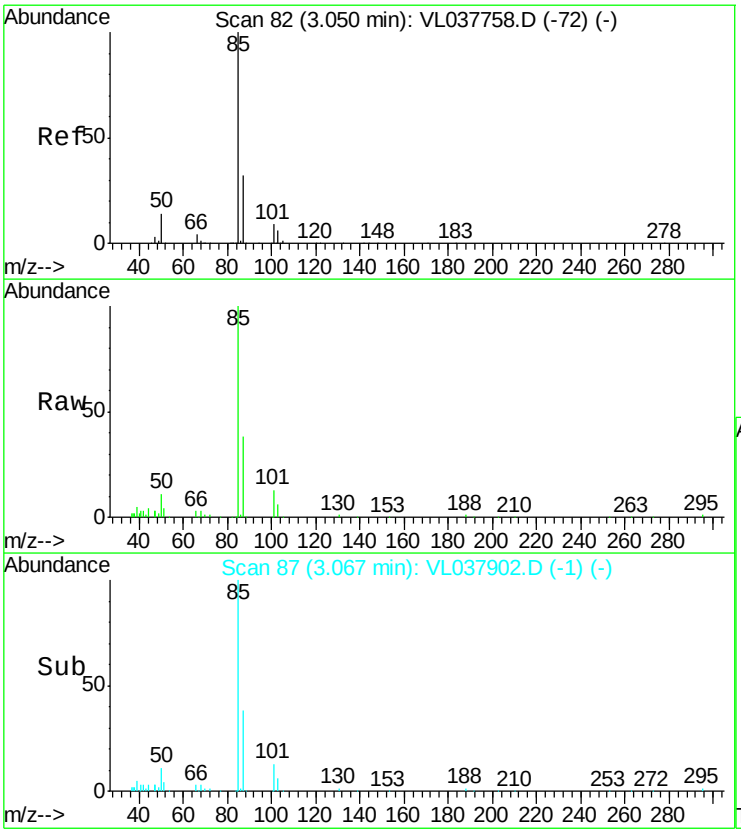
#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 5.68
Delta R.T
Lab File:
Acq: 25 Oct 2021 20:32

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

Tgt Ion: 49 Resp: 1437234

Ion	Ratio	Lower	Upper
49	100		
128	54.5	27.1	81.3
130	70.2	33.2	99.6

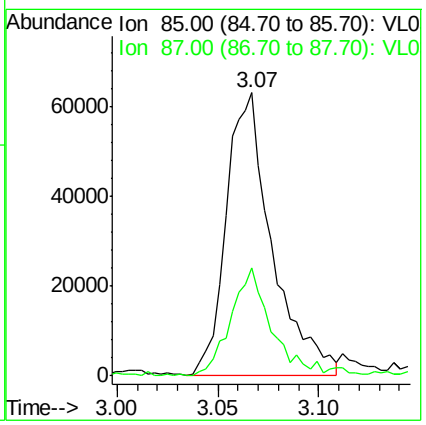


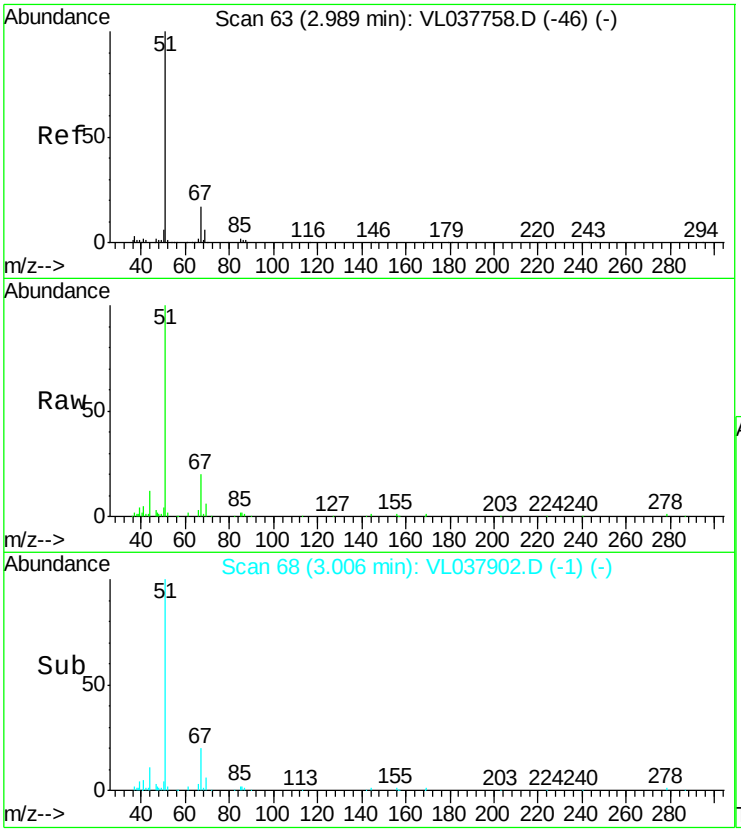


#2
Dichlorodifluoromethane
Concen: 0.434 ppbv
RT: 3.07 min Scan# 87
Delta R.T. 0.02 min
Lab File: VL037902.D
Acq: 25 Oct 2021 20:32

Tgt Ion: 85 Resp: 99587

Ion	Ratio	Lower	Upper
85	100		
87	38.0	25.7	38.5



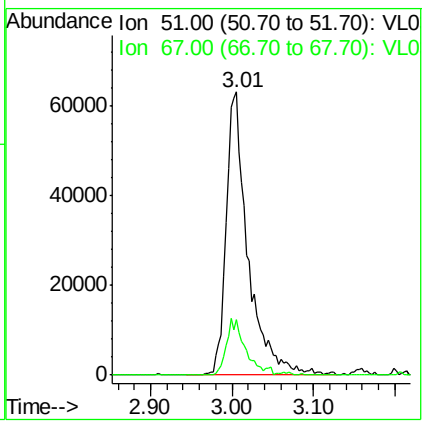


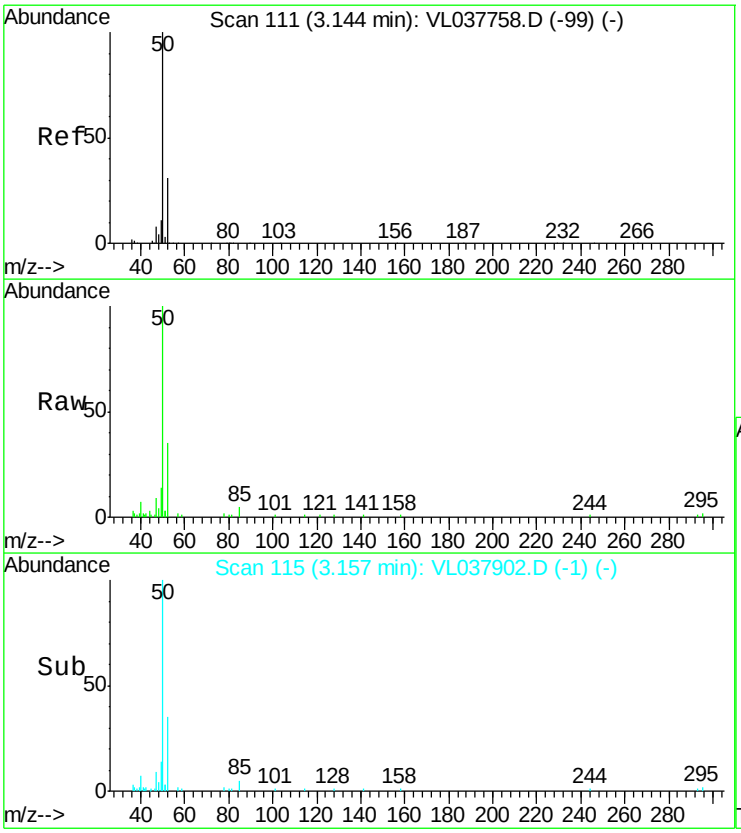
#3
Chlorodifluoromethane
Concen: 0.432 ppbv
RT: 3.01
Delta R.T
Lab File:
Acq: 25 Oct 2021 20:32

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

Tgt Ion: 51 Resp: 119215

Ion	Ratio	Lower	Upper
51	100		
67	18.1	13.5	20.3

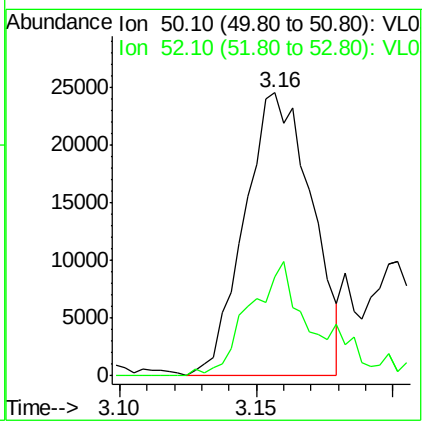


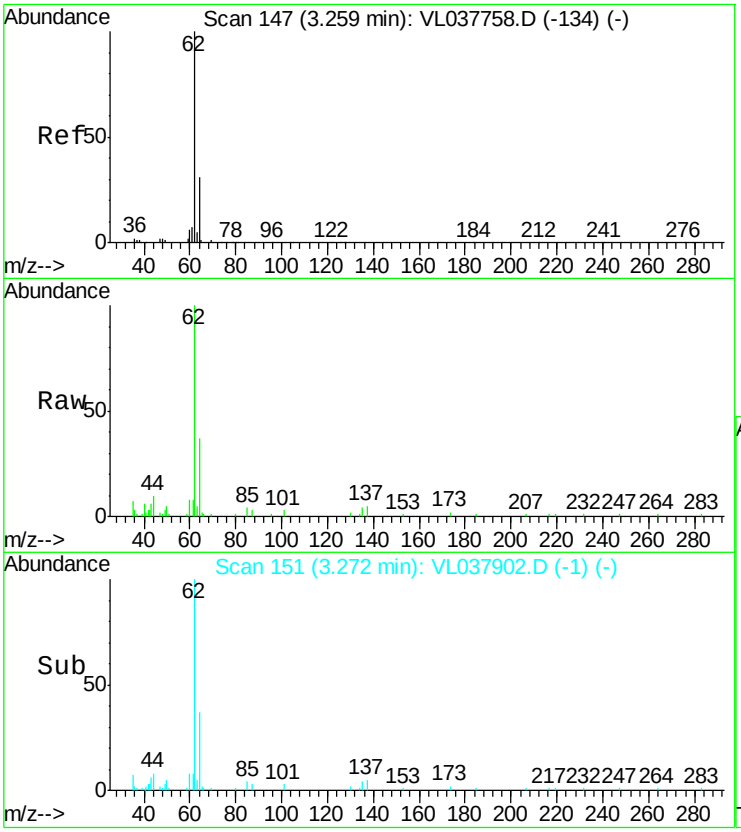


#4
Chloromethane
Concen: 0.414 ppbv
RT: 3.16 min Scan# 115
Delta R.T. 0.01 min
Lab File: VL037902.D
Acq: 25 Oct 2021 20:32

Tgt Ion: 50 Resp: 41900

Ion	Ratio	Lower	Upper
50	100		
52	34.0	24.4	36.6



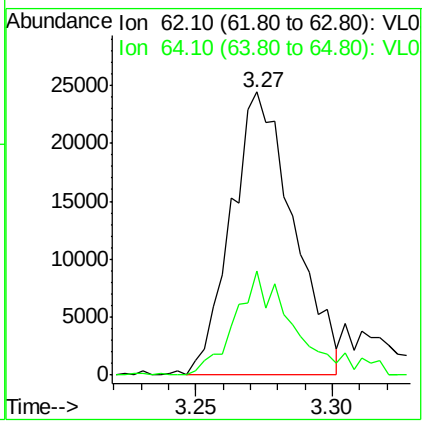


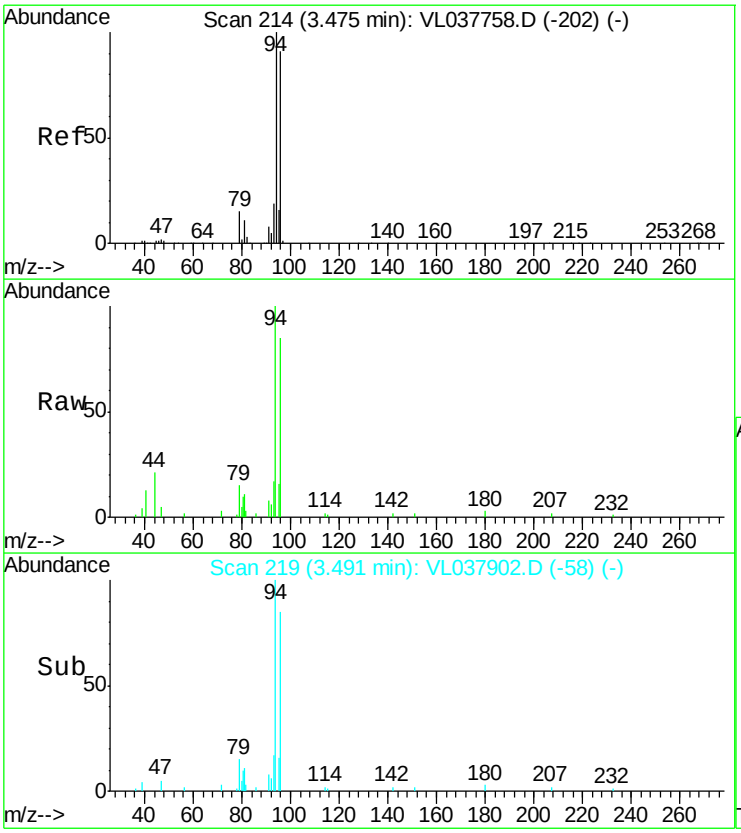
#5
Vinyl Chloride
Concen: 0.417 ppbv
RT: 3.27
Delta R.T
Lab File:
Acq: 25 Oct 2021 20:32

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

Tgt Ion: 62 Resp: 38707

Ion	Ratio	Lower	Upper
62	100		
64	36.8	24.9	37.3

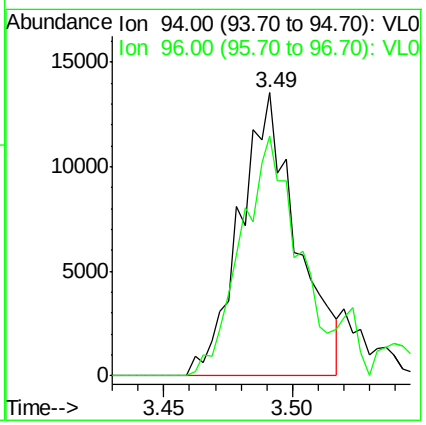


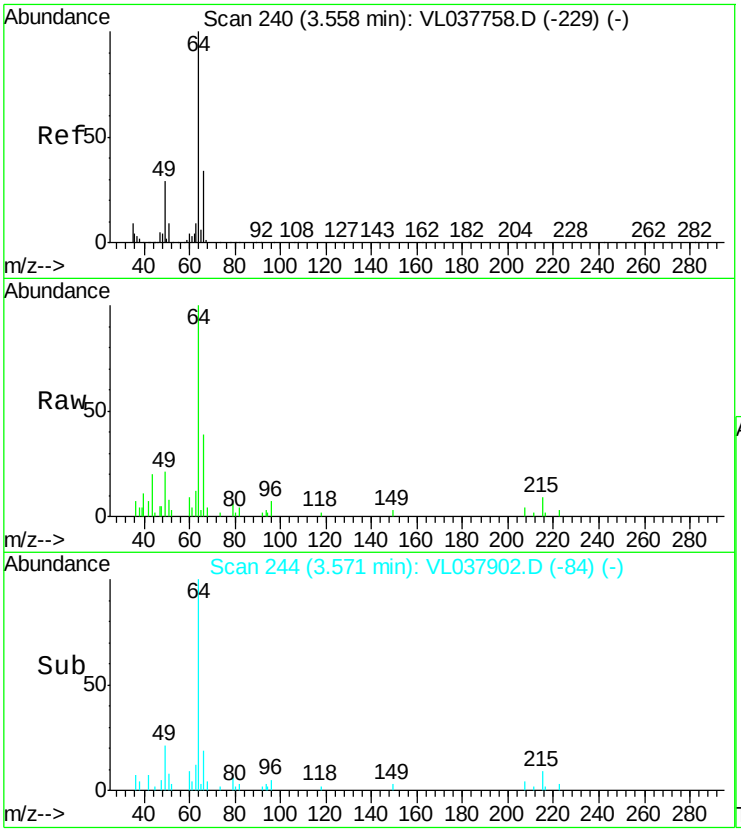


#6
Bromomethane
Concen: 0.416 ppbv
RT: 3.49 min Scan# 219
Delta R.T. 0.02 min
Lab File: VL037902.D
Acq: 25 Oct 2021 20:32

Tgt Ion: 94 Resp: 20848

Ion	Ratio	Lower	Upper
94	100		
96	84.7	72.5	108.7



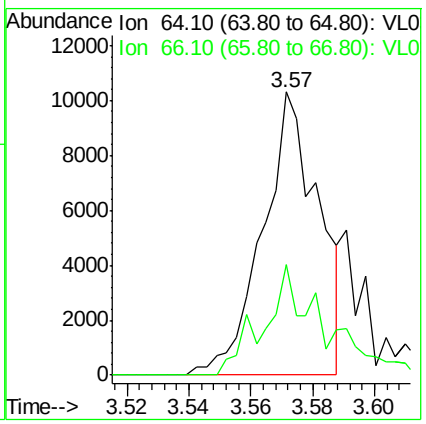


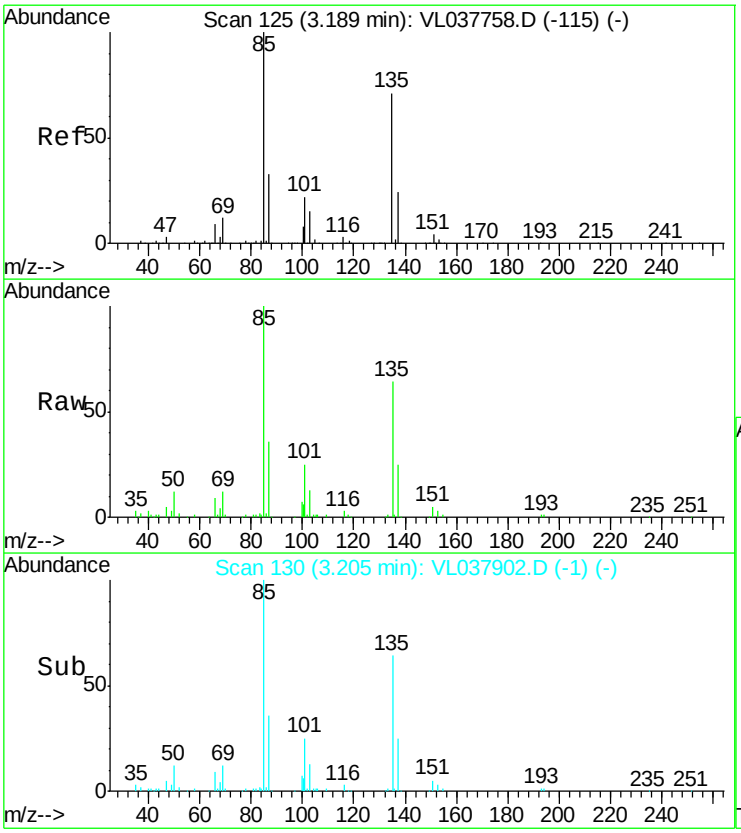
#7
Chloroethane
Concen: 0.377 ppbv
RT: 3.57
Delta R.T
Lab File:
Acq: 25 Oct 2021 20:32

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

Tgt Ion: 64 Resp: 12865

Ion	Ratio	Lower	Upper
64	100		
66	39.1	27.5	41.3

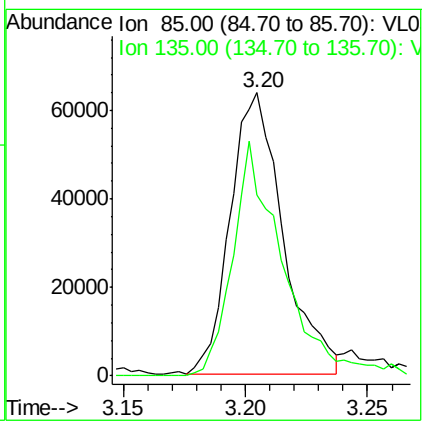


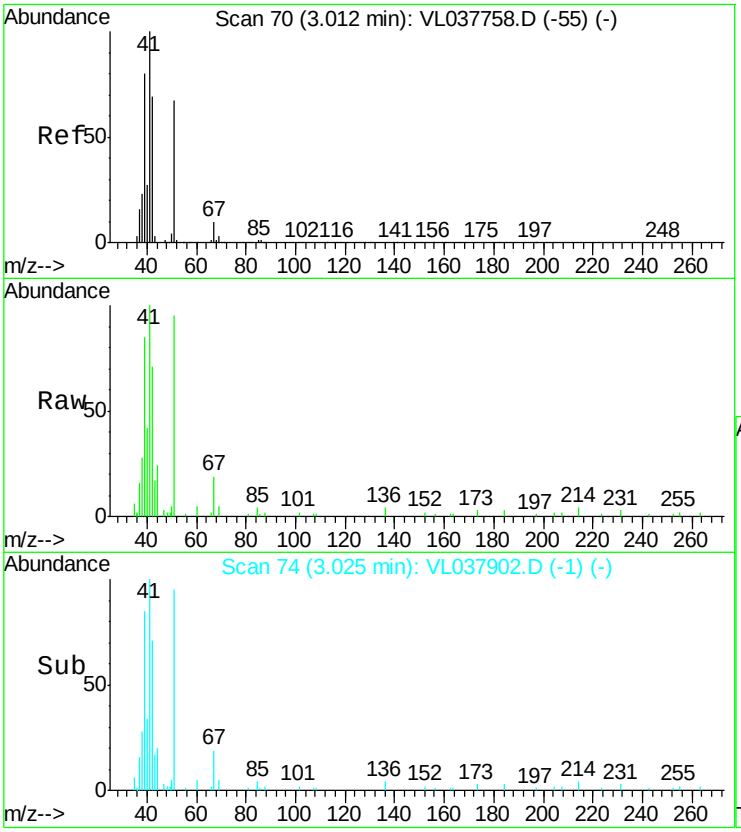


#8
Dichlorotetrafluoroethane
Concen: 0.421 ppbv
RT: 3.20 min Scan# 130
Delta R.T. 0.02 min
Lab File: VL037902.D
Acq: 25 Oct 2021 20:32

Tgt Ion: 85 Resp: 95536

Ion	Ratio	Lower	Upper
85	100		
135	80.5	59.5	89.3



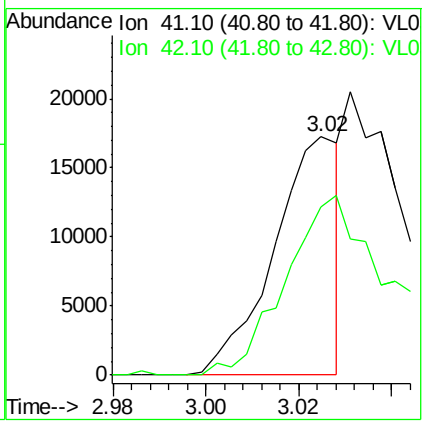


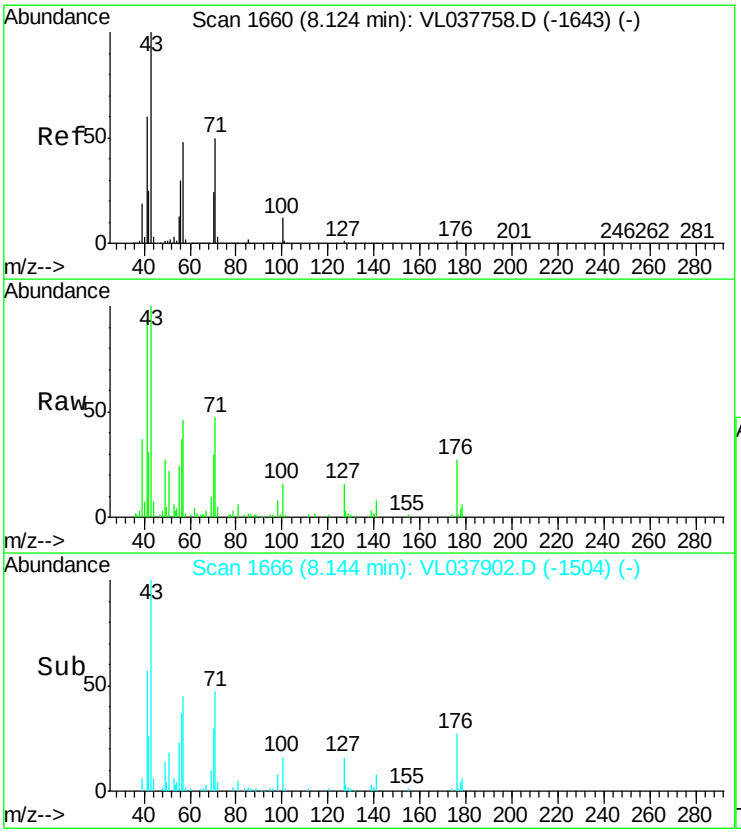
#9
Propene
Concen: 0.166 ppbv
RT: 3.02
Delta R.T
Lab File:
Acq: 25 Oct 2021 20:32

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

Tgt Ion: 41 Resp: 16904

Ion	Ratio	Lower	Upper
41	100		
42	0.0	54.2	81.2#

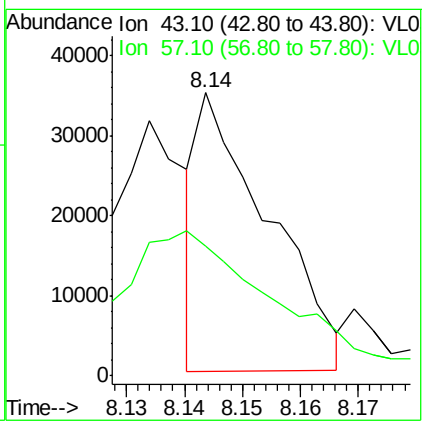


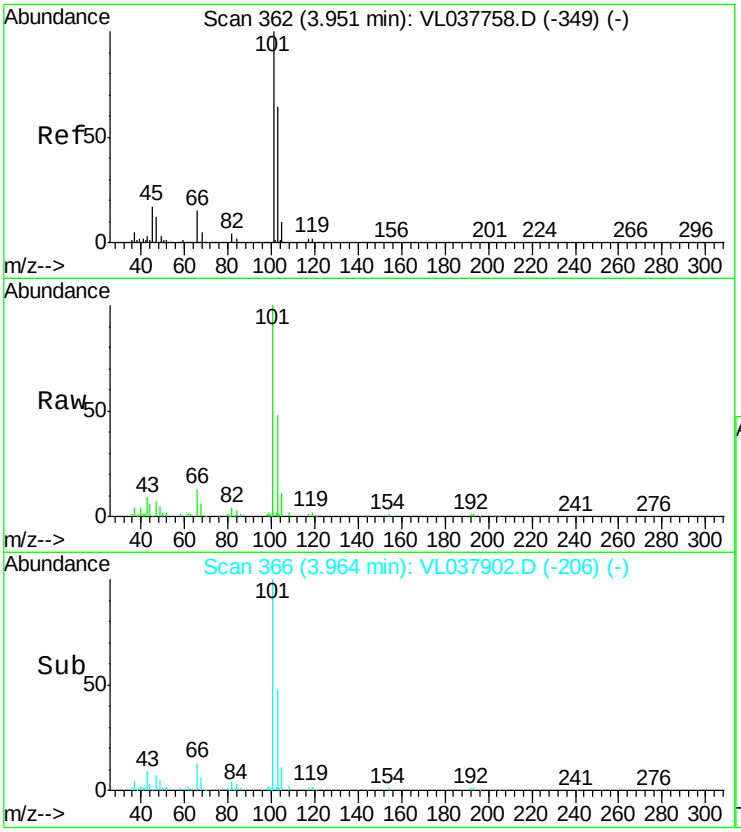


#10
Heptane
Concen: 0.128 ppbv
RT: 8.14 min Scan# 1666
Delta R.T. 0.02 min
Lab File: VL037902.D
Acq: 25 Oct 2021 20:32

Tgt Ion: 43 Resp: 29442

Ion	Ratio	Lower	Upper
43	100		
57	136.4	40.0	60.0#



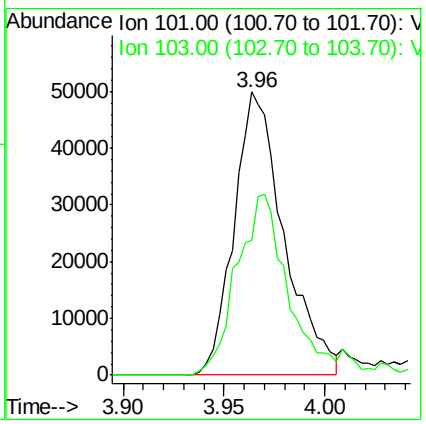


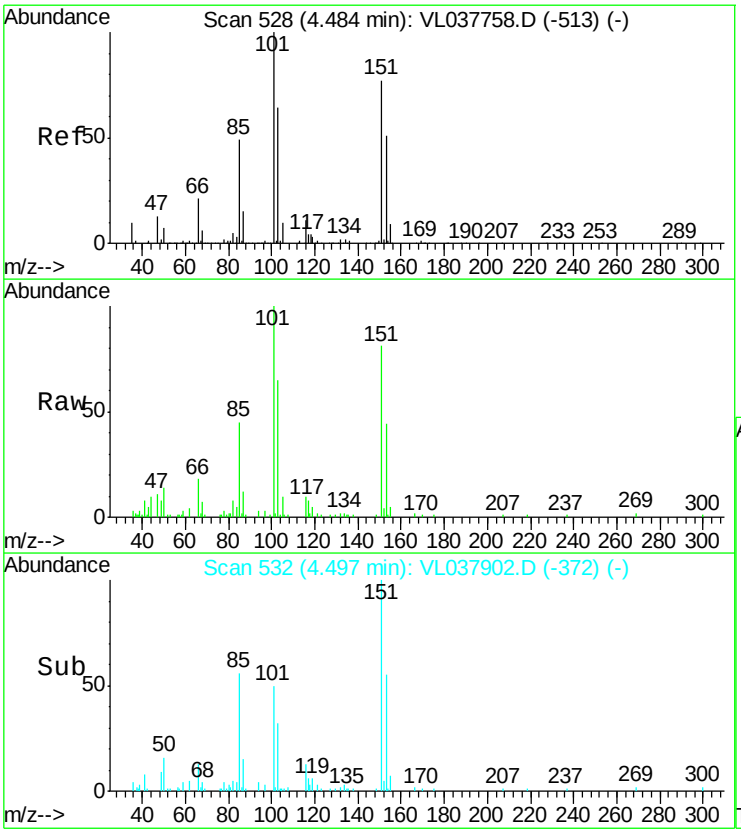
#11
Trichlorofluoromethane
Concen: 0.423 ppbv
RT: 3.96
Delta R.T
Lab File:
Acq: 25 Oct 2021 20:32

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

Tgt Ion:101 Resp: 86643

Ion	Ratio	Lower	Upper
101	100		
103	49.1	51.5	77.3#

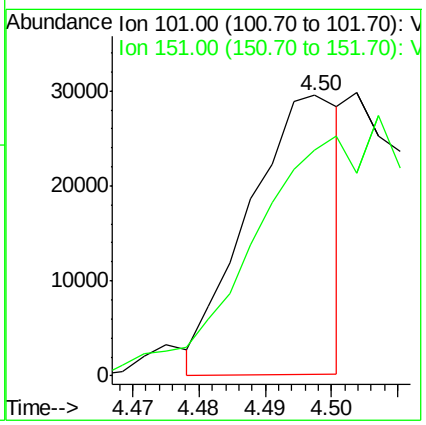


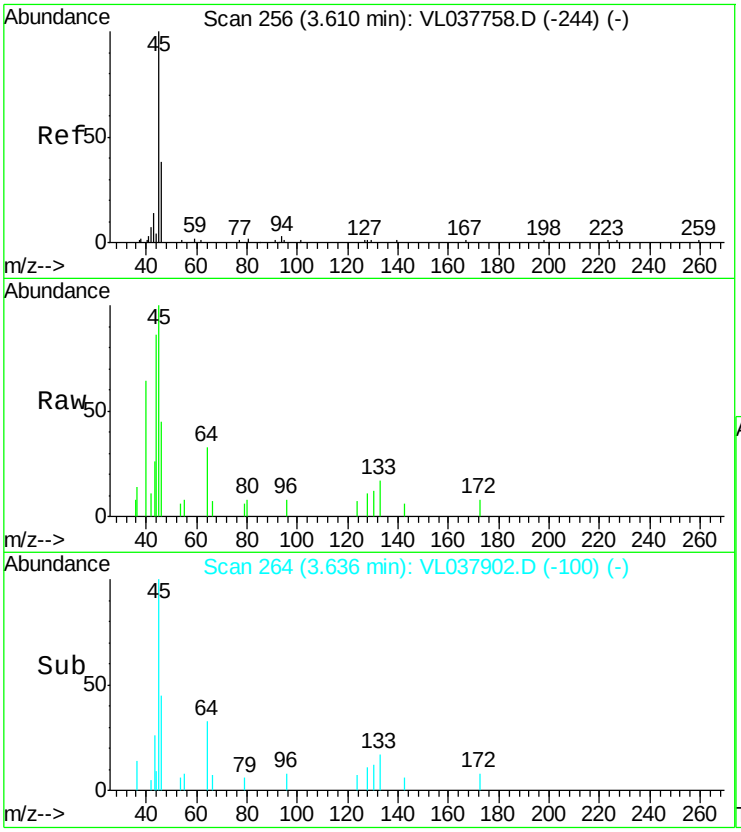


#12
1,1,2-Trichlorotrifluoroethane
Concen: 0.181 ppbv
RT: 4.50 min Scan# 532
Delta R.T. 0.01 min
Lab File: VL037902.D
Acq: 25 Oct 2021 20:32

Tgt Ion:101 Resp: 28166

Ion	Ratio	Lower	Upper
101	100		
151	0.0	62.9	94.3#



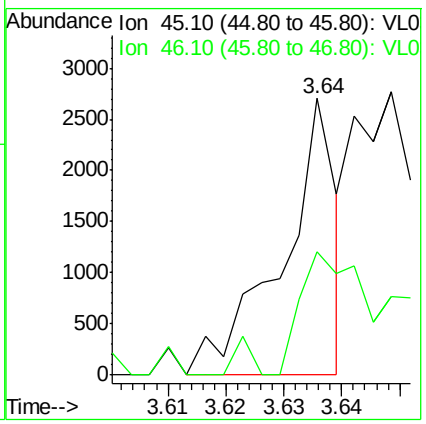


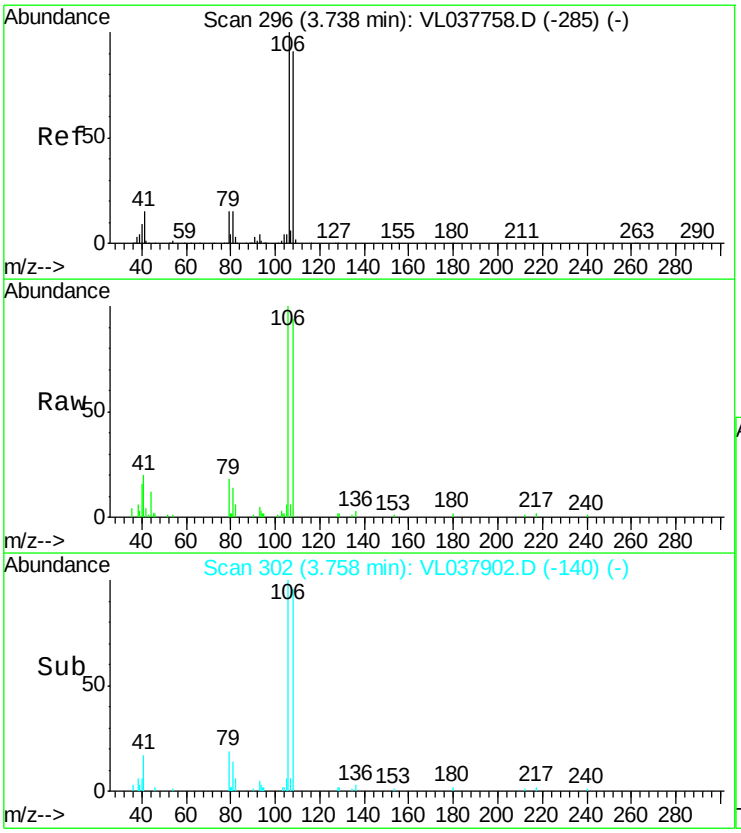
#13
Ethanol
Concen: 0.210 ppbv
RT: 3.64
Delta R.T
Lab File:
Acq: 25 Oct 2021 20:32

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

Tgt Ion: 45 Resp: 1745

Ion	Ratio	Lower	Upper
45	100		
46	135.4	20.2	81.0#

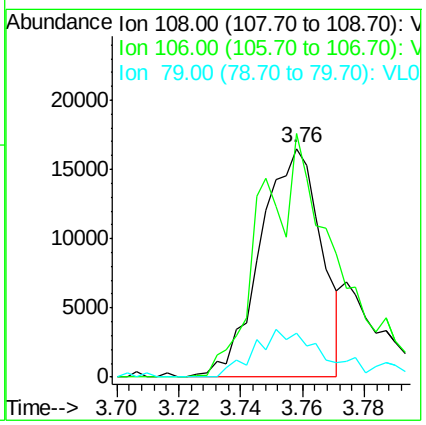


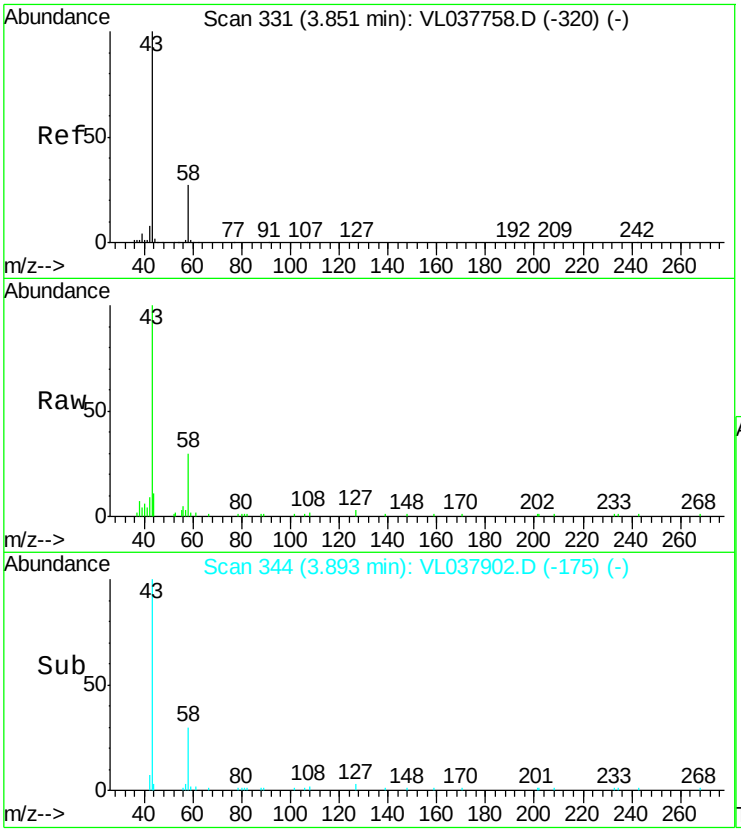


#14
Bromoethene
Concen: 0.330 ppbv
RT: 3.76 min Scan# 302
Delta R.T. 0.02 min
Lab File: VL037902.D
Acq: 25 Oct 2021 20:32

Tgt Ion:108 Resp: 22493

Ion	Ratio	Lower	Upper
108	100		
106	144.5	91.9	137.9#
79	28.1	13.9	20.9#



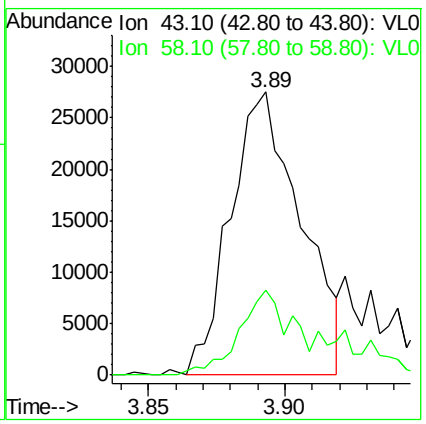


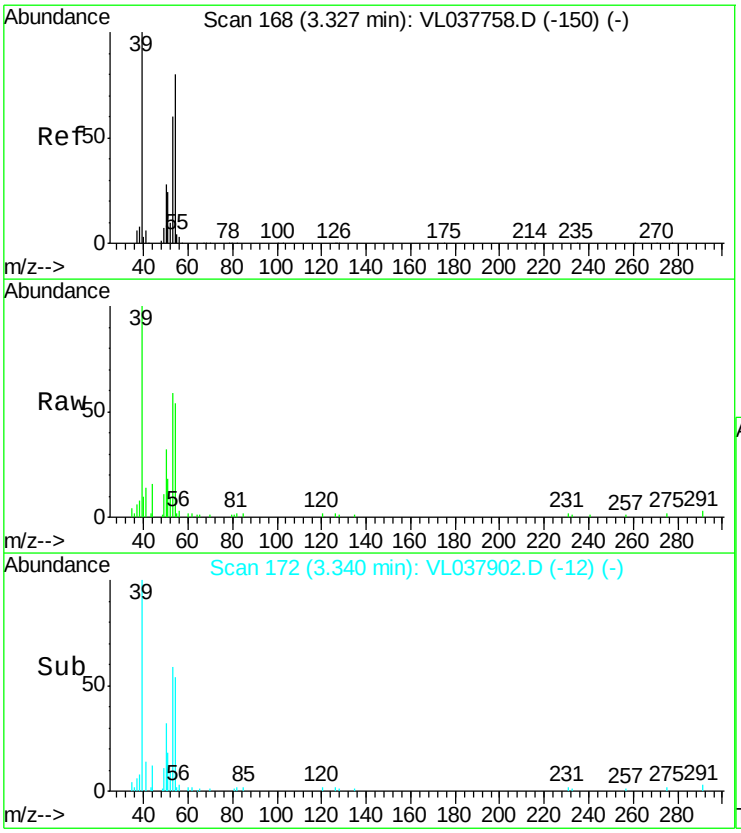
#15
Acetone
Concen: 0.382 ppbv
RT: 3.89
Delta R.T
Lab File:
Acq: 25 Oct 2021 20:32

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

Tgt Ion: 43 Resp: 49327

Ion	Ratio	Lower	Upper
43	100		
58	33.2	23.0	34.6

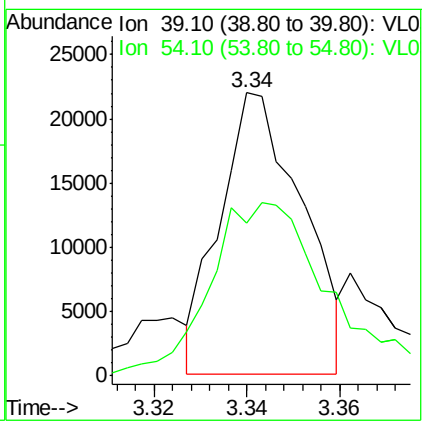


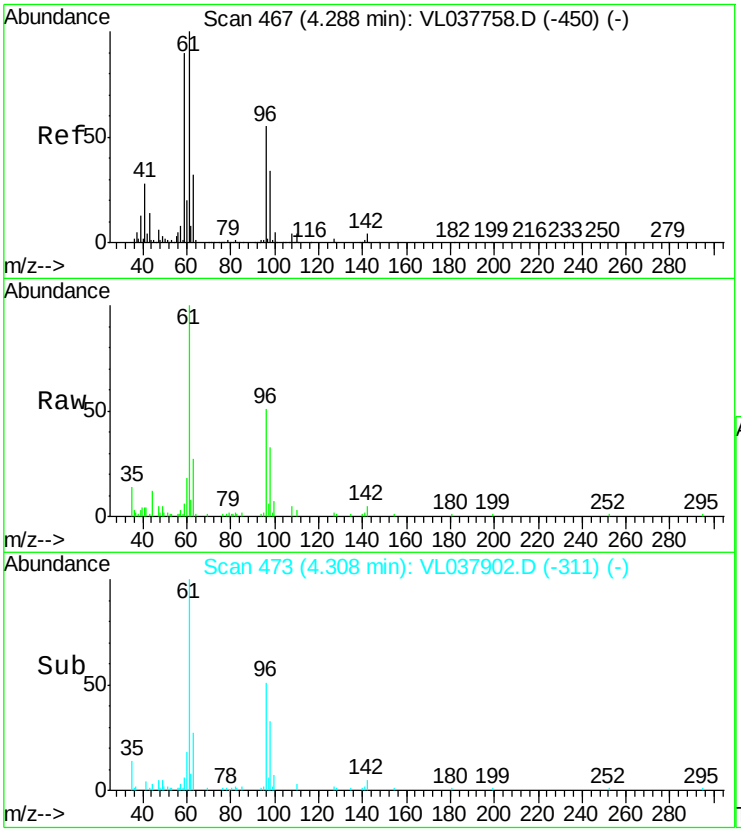


#16
1,3-Butadiene
Concen: 0.286 ppbv
RT: 3.34 min Scan# 172
Delta R.T. 0.01 min
Lab File: VL037902.D
Acq: 25 Oct 2021 20:32

Tgt Ion: 39 Resp: 26878

Ion	Ratio	Lower	Upper
39	100		
54	92.2	61.7	92.5



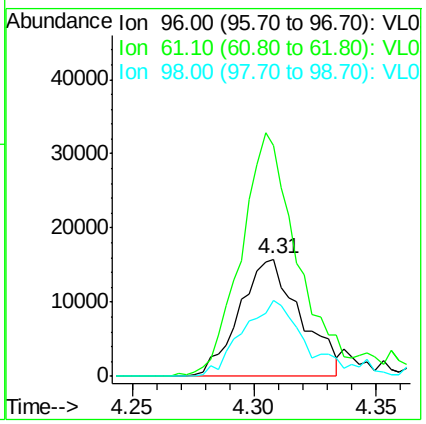


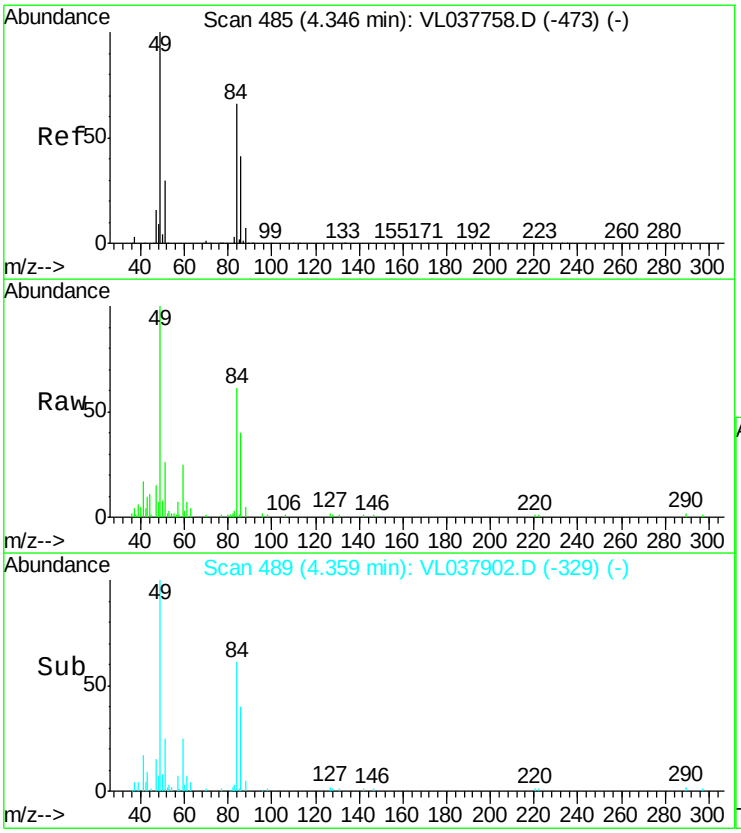
#18
1,1-Dichloroethene
Concen: 0.388 ppbv
RT: 4.31
Delta R.T
Lab File:
Acq: 25 Oct 2021 20:32

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

Tgt Ion: 96 Resp: 27388

Ion	Ratio	Lower	Upper
96	100		
61	195.2	146.2	219.4
98	65.2	50.0	75.0

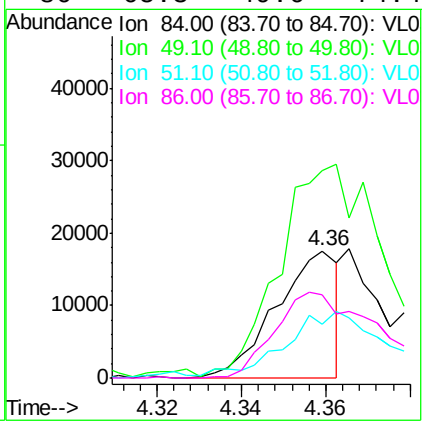


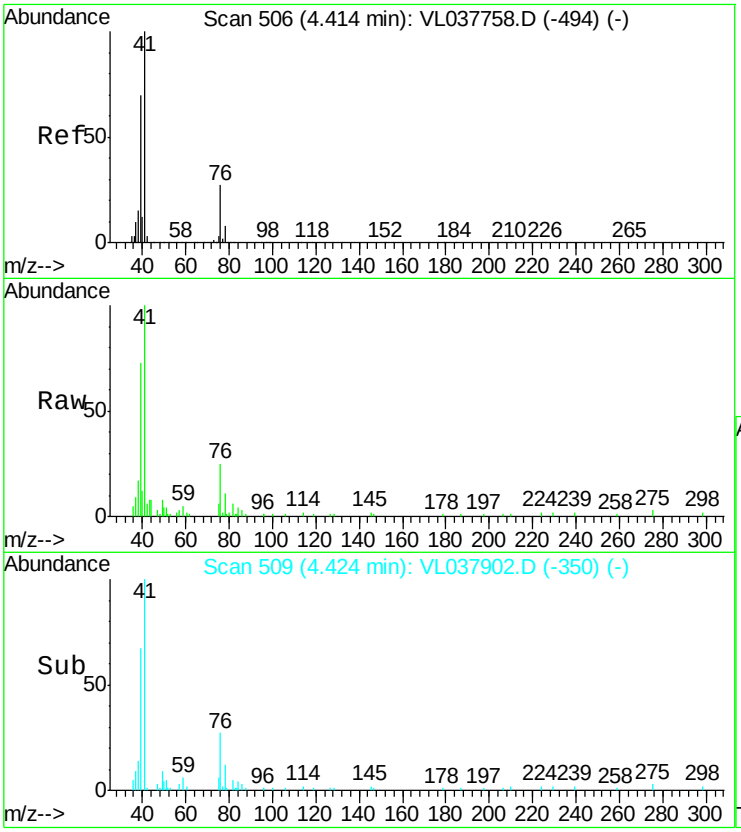


#20
Methylene Chloride
Concen: 0.275 ppbv
RT: 4.36 min Scan# 489
Delta R.T. 0.01 min
Lab File: VL037902.D
Acq: 25 Oct 2021 20:32

Tgt Ion: 84 Resp: 17919

Ion	Ratio	Lower	Upper
84	100		
49	153.0	120.7	181.1
51	41.3	36.2	54.4
86	65.3	49.6	74.4



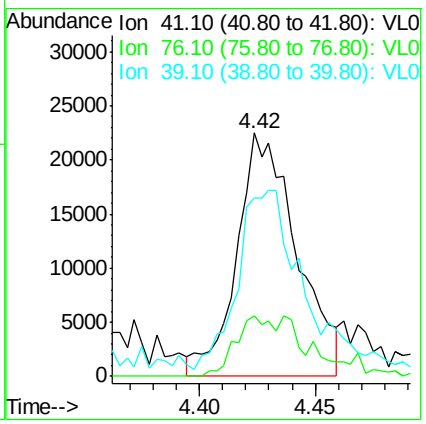


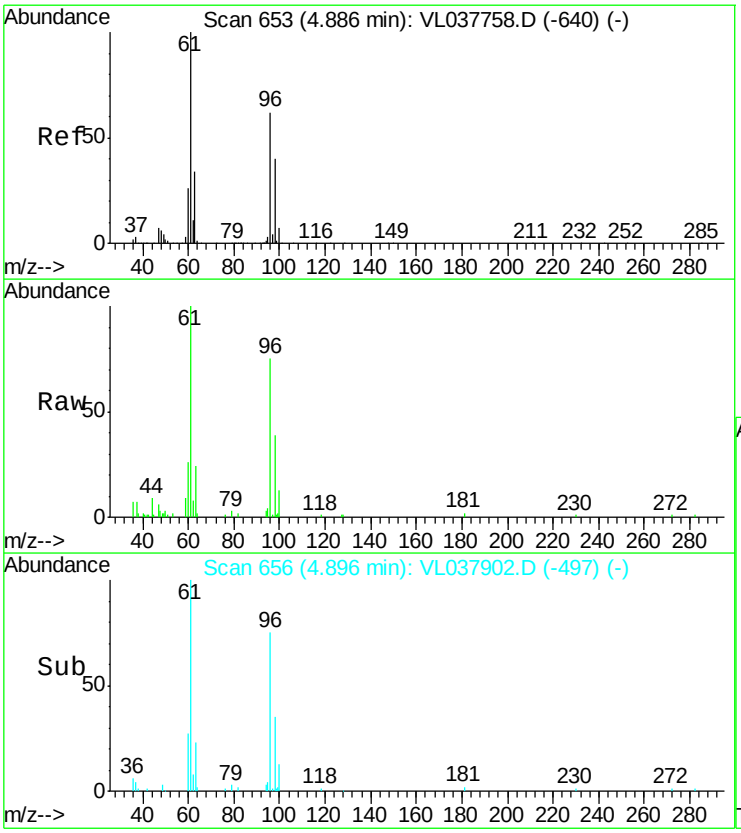
#21
Allyl Chloride
Concen: 0.350 ppbv
RT: 4.42
Delta R.T
Lab File:
Acq: 25 Oct 2021 20:32

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

Tgt Ion: 41 Resp: 40042

Ion	Ratio	Lower	Upper
41	100		
76	30.5	22.4	33.6
39	95.8	58.0	87.0#

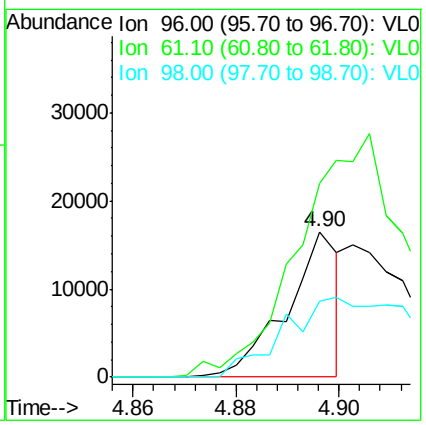


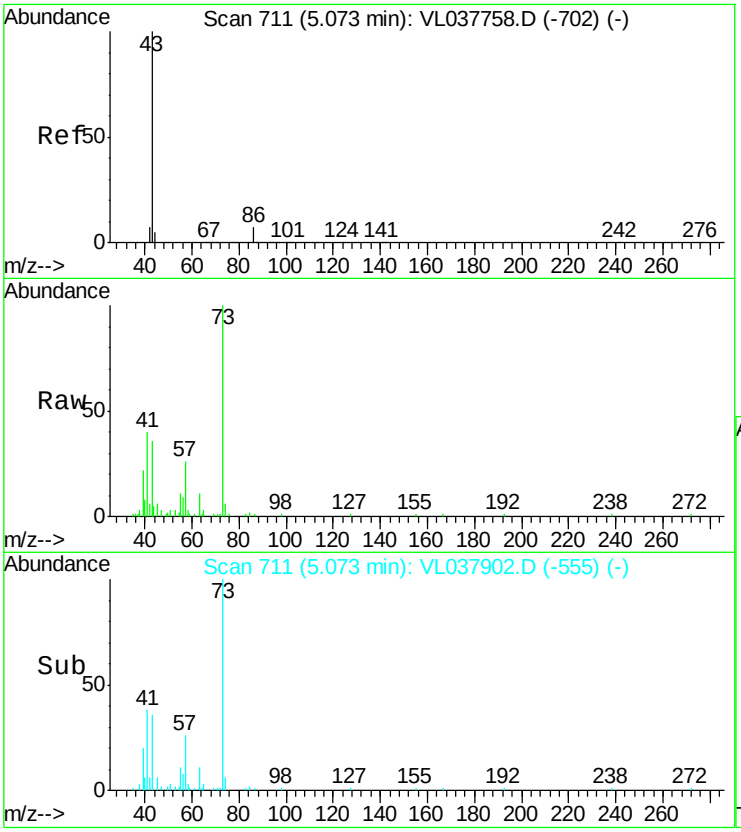


#22
trans-1,2-Dichloroethene
Concen: 0.164 ppbv
RT: 4.90 min Scan# 656
Delta R.T. 0.01 min
Lab File: VL037902.D
Acq: 25 Oct 2021 20:32

Tgt Ion: 96 Resp: 11630

Ion	Ratio	Lower	Upper
96	100		
61	132.5	129.0	193.6
98	52.8	51.7	77.5



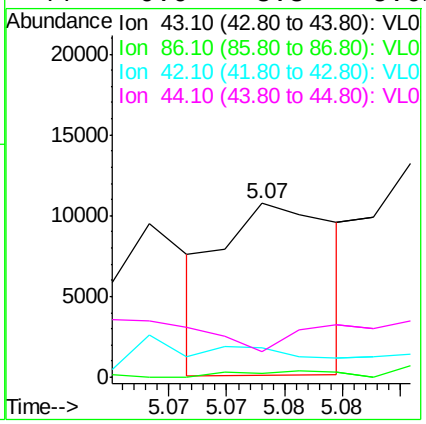


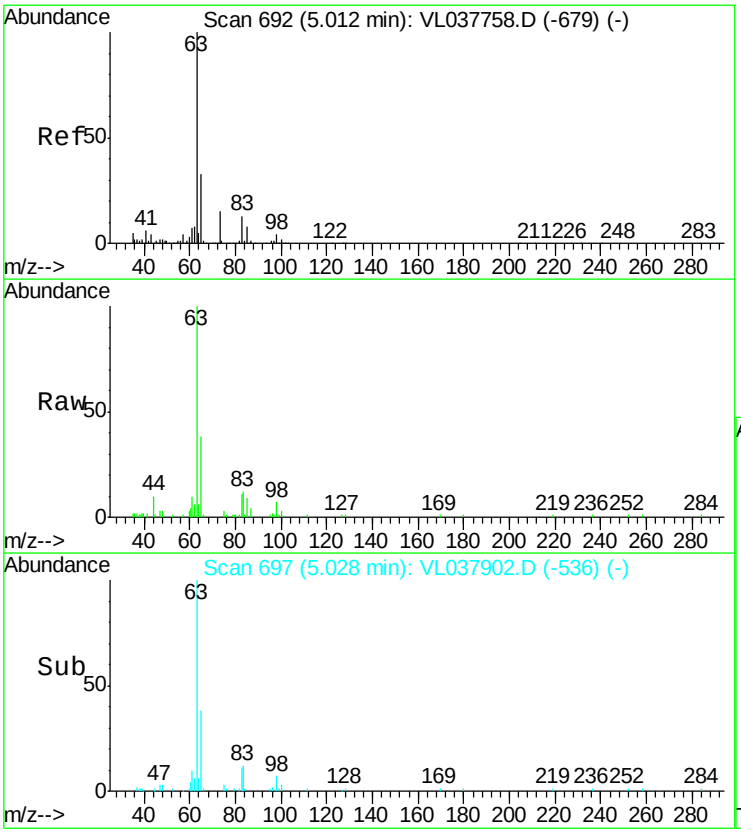
#23
Vinyl Acetate
Concen: 0.038 ppbv
RT: 5.07
Delta R.T
Lab File:
Acq: 25 Oct 2021 20:32

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

Tgt Ion: 43 Resp: 7299

Ion	Ratio	Lower	Upper
43	100		
86	7.7	5.0	7.4#
42	19.8	7.4	11.0#
44	0.0	3.8	5.6#

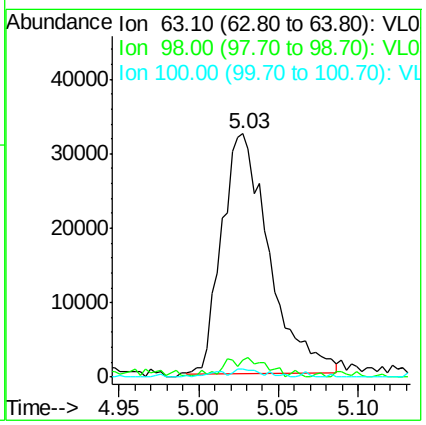


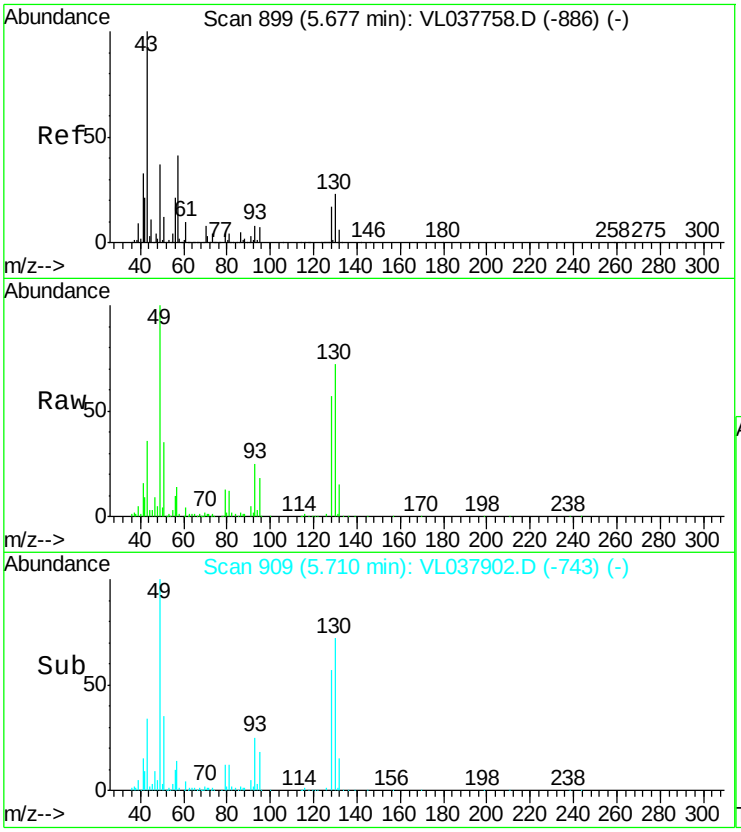


#24
1,1-Dichloroethane
Concen: 0.467 ppbv
RT: 5.03 min Scan# 697
Delta R.T. 0.02 min
Lab File: VL037902.D
Acq: 25 Oct 2021 20:32

Tgt Ion: 63 Resp: 65772

Ion	Ratio	Lower	Upper
63	100		
98	6.5	2.3	6.9
100	3.3	1.1	3.1#



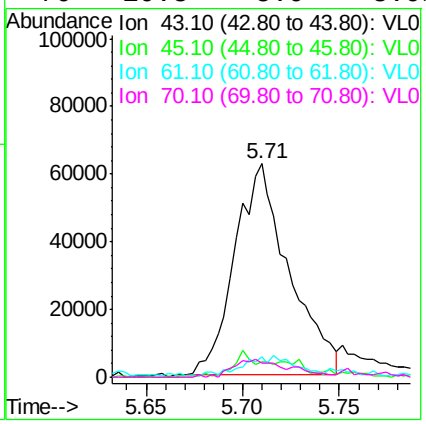


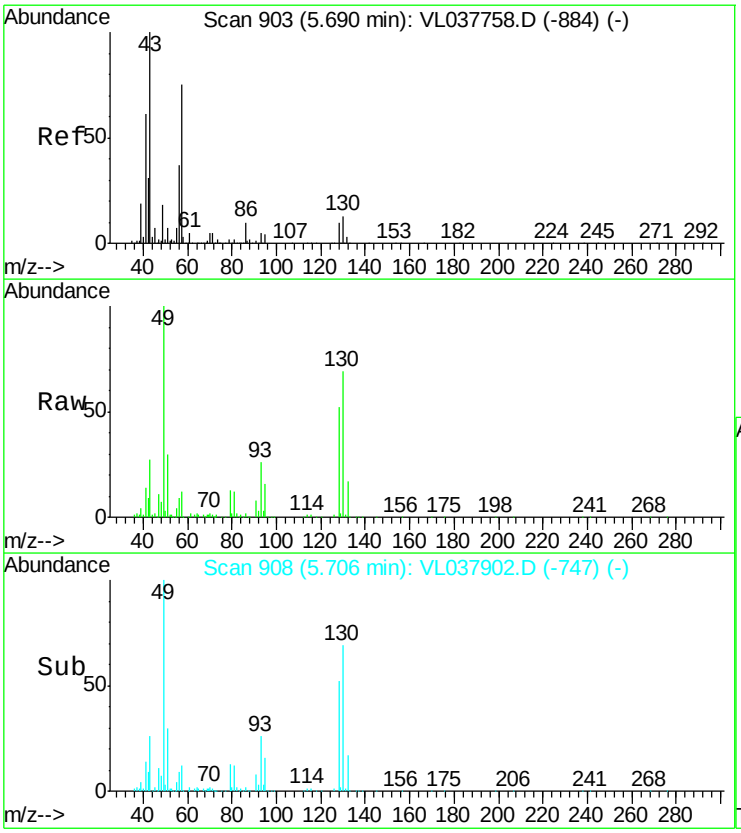
#25
Ethyl Acetate
Concen: 0.339 ppbv
RT: 5.71
Delta R.T
Lab File:
Acq: 25 Oct 2021 20:32

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

Tgt Ion: 43 Resp: 122562

Ion	Ratio	Lower	Upper
43	100		
45	12.6	8.1	12.1#
61	13.8	7.5	11.3#
70	10.8	5.9	8.9#

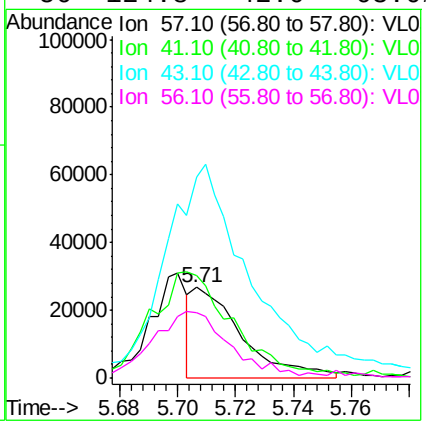


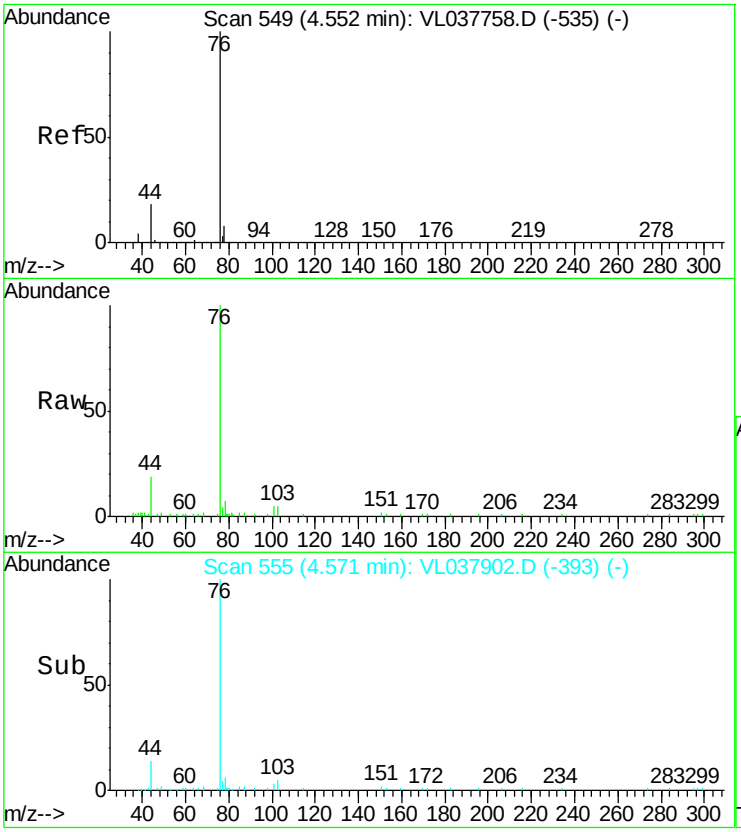


#26
Hexane
Concen: 0.178 ppbv
RT: 5.71 min Scan# 908
Delta R.T. 0.02 min
Lab File: VL037902.D
Acq: 25 Oct 2021 20:32

Tgt Ion: 57 Resp: 31654

Ion	Ratio	Lower	Upper
57	100		
41	203.5	69.6	104.4#
43	433.4	171.4	257.0#
56	124.8	42.0	63.0#



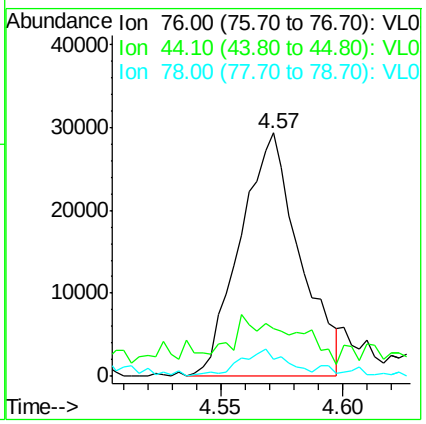


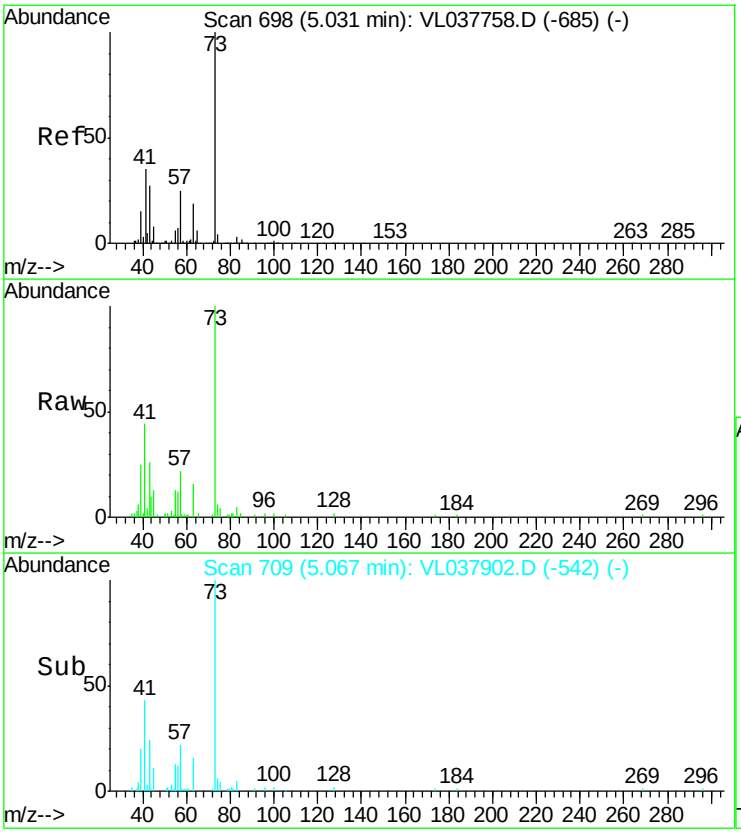
#27
Carbon Disulfide
Concen: 0.314 ppbv
RT: 4.57
Delta R.T
Lab File:
Acq: 25 Oct 2021 20:32

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

Tgt Ion: 76 Resp: 49610

Ion	Ratio	Lower	Upper
76	100		
44	13.8	14.3	21.5#
78	11.0	7.8	11.6

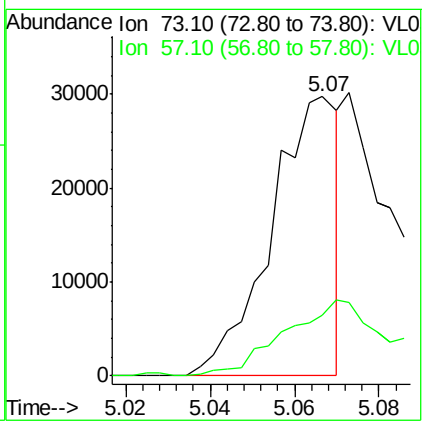


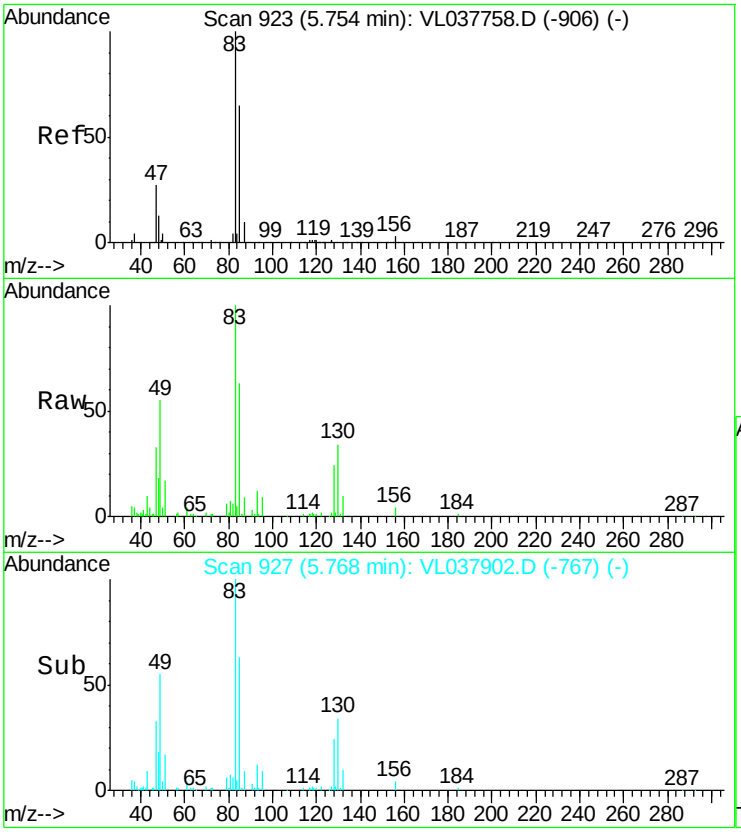


#28
Methyl tert-Butyl Ether
Concen: 0.221 ppbv
RT: 5.07 min Scan# 709
Delta R.T. 0.04 min
Lab File: VL037902.D
Acq: 25 Oct 2021 20:32

Tgt Ion: 73 Resp: 32828

Ion	Ratio	Lower	Upper
73	100		
57	0.0	20.4	30.6#



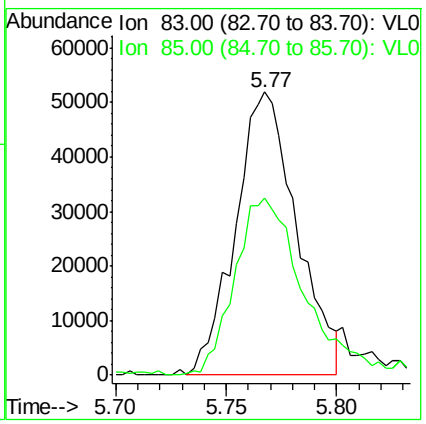


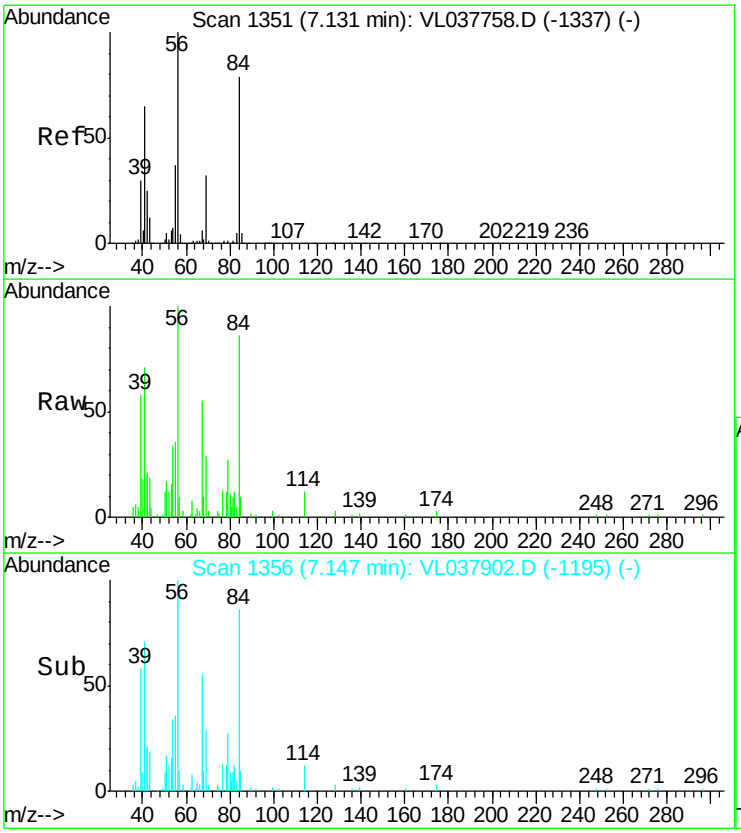
#29
Chloroform
Concen: 0.393 ppbv
RT: 5.77
Delta R.T
Lab File:
Acq: 25 Oct 2021 20:32

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

Tgt Ion: 83 Resp: 100128

Ion	Ratio	Lower	Upper
83	100		
85	61.9	51.8	77.8

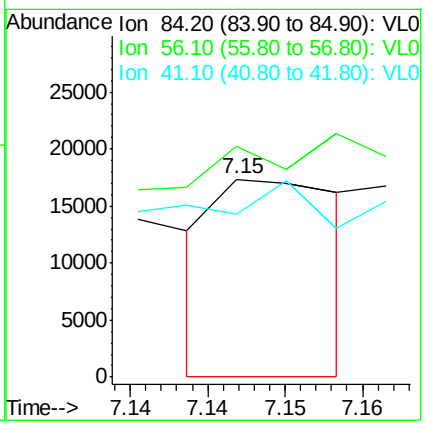


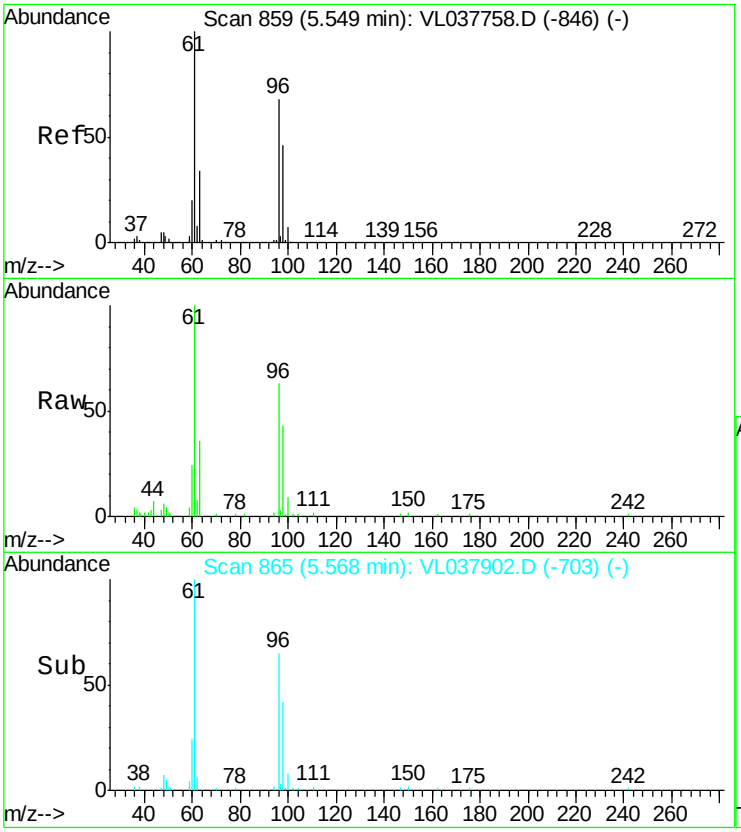


#30
Cyclohexane
Concen: 0.064 ppbv
RT: 7.15 min Scan# 1356
Delta R.T. 0.02 min
Lab File: VL037902.D
Acq: 25 Oct 2021 20:32

Tgt Ion: 84 Resp: 9737

Ion	Ratio	Lower	Upper
84	100		
56	0.0	113.0	169.4#
41	438.4	69.1	103.7#



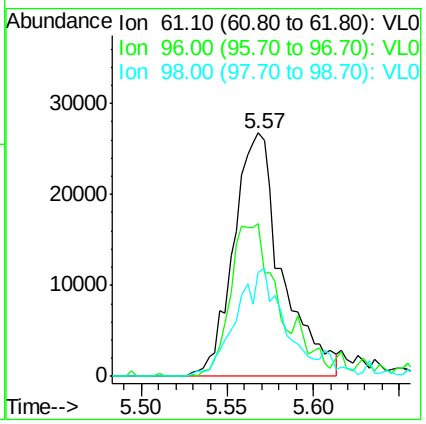


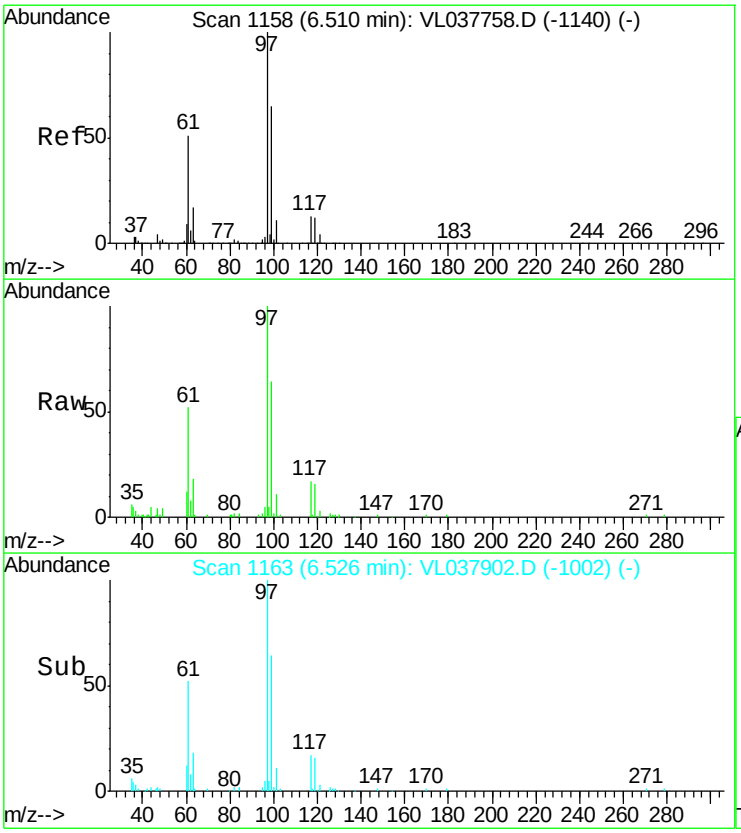
#31
cis-1,2-Dichloroethene
Concen: 0.322 ppbv
RT: 5.57
Delta R.T
Lab File:
Acq: 25 Oct 2021 20:32

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

Tgt Ion: 61 Resp: 52097

Ion	Ratio	Lower	Upper
61	100		
96	62.6	54.2	81.2
98	42.7	36.6	54.8

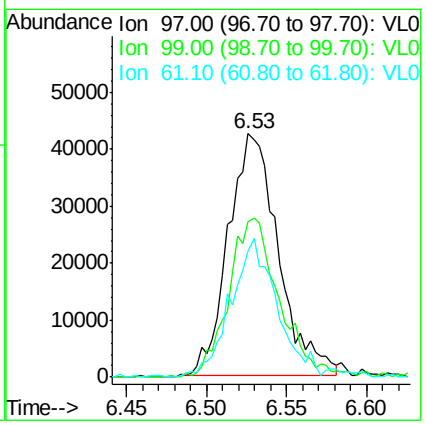


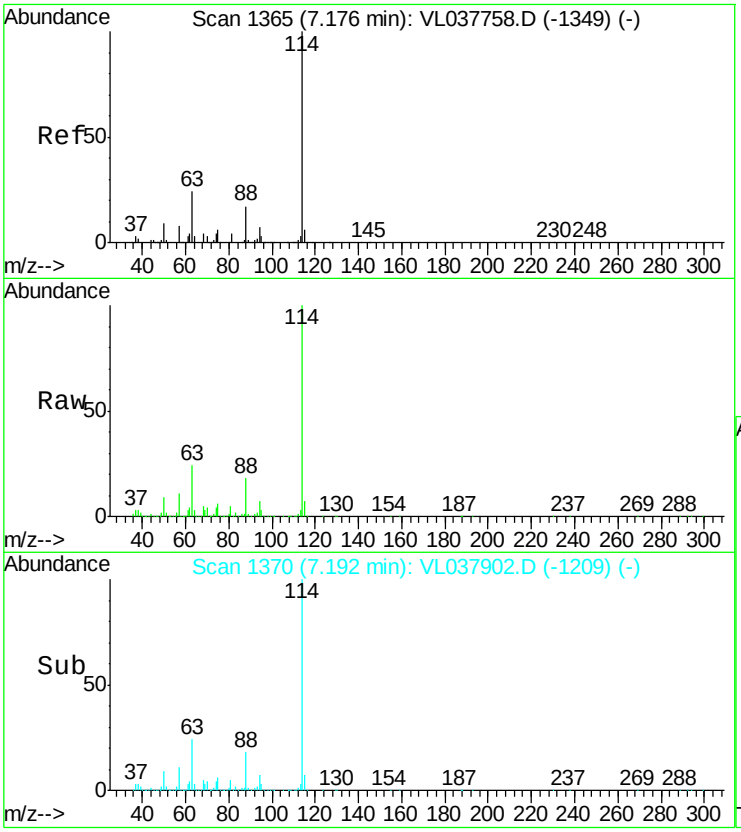


#32
1,1,1-Trichloroethane
Concen: 0.379 ppbv
RT: 6.53 min Scan# 1163
Delta R.T. 0.02 min
Lab File: VL037902.D
Acq: 25 Oct 2021 20:32

Tgt Ion: 97 Resp: 91468

Ion	Ratio	Lower	Upper
97	100		
99	66.8	52.6	78.8
61	54.8	40.2	60.4



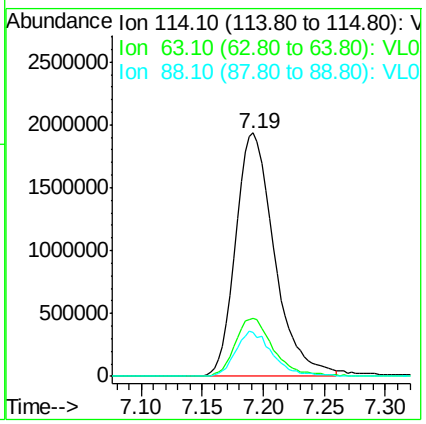


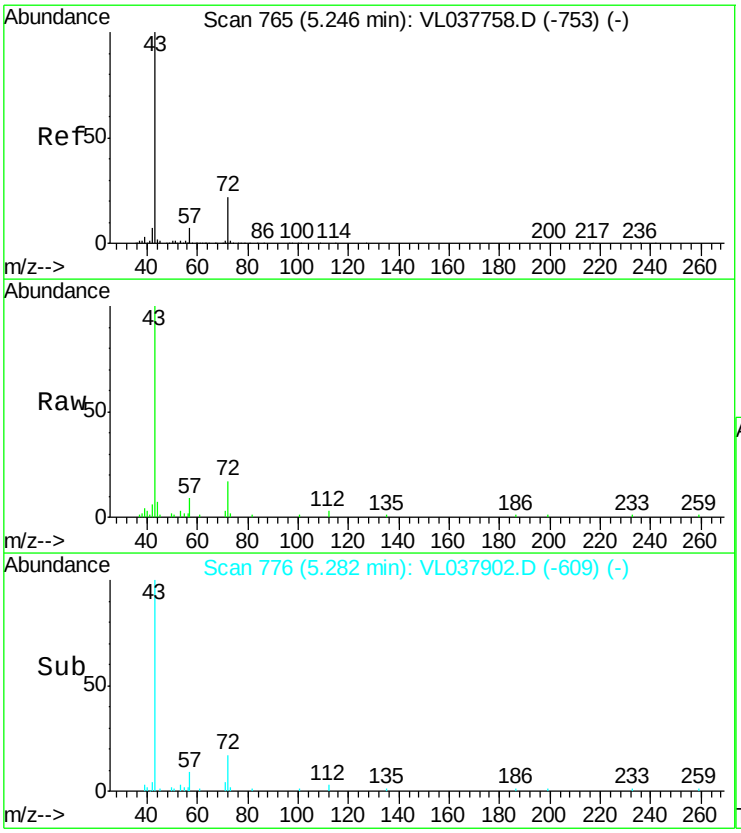
#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 7.19
Delta R.T
Lab File:
Acq: 25 Oct 2021 20:32

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

Tgt Ion:114 Resp: 4259647

Ion	Ratio	Lower	Upper
114	100		
63	24.0	19.4	29.2
88	17.9	14.4	21.6

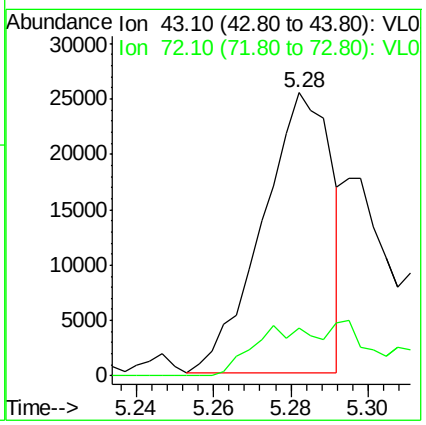


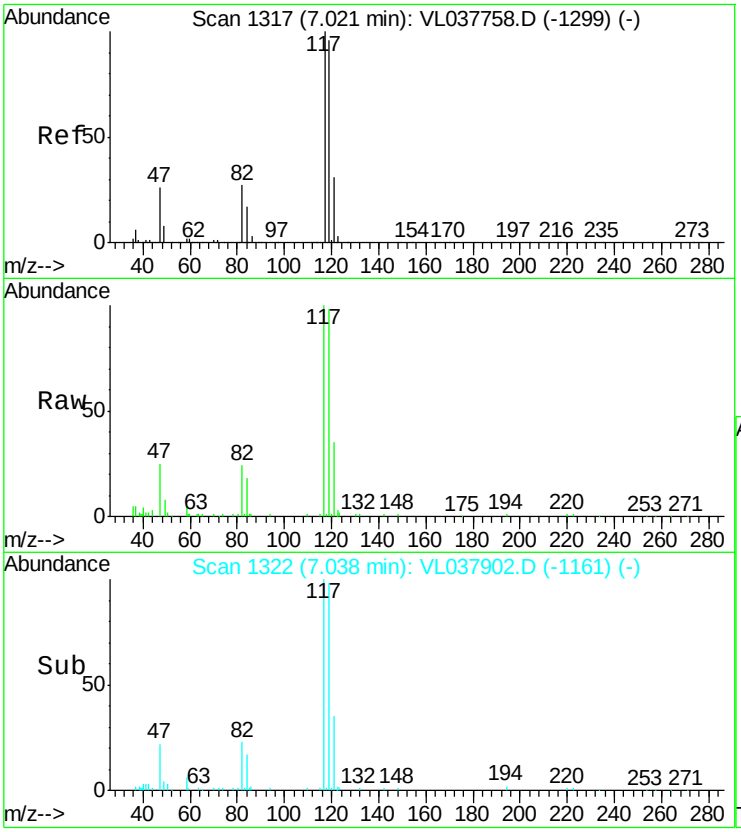


#34
2-Butanone
Concen: 0.182 ppbv
RT: 5.28 min Scan# 776
Delta R.T. 0.04 min
Lab File: VL037902.D
Acq: 25 Oct 2021 20:32

Tgt Ion: 43 Resp: 31275

Ion	Ratio	Lower	Upper
43	100		
72	0.0	18.2	27.2#



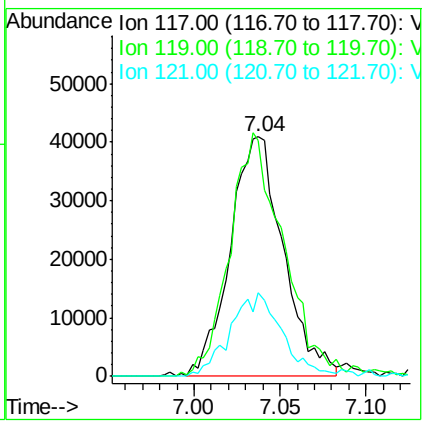


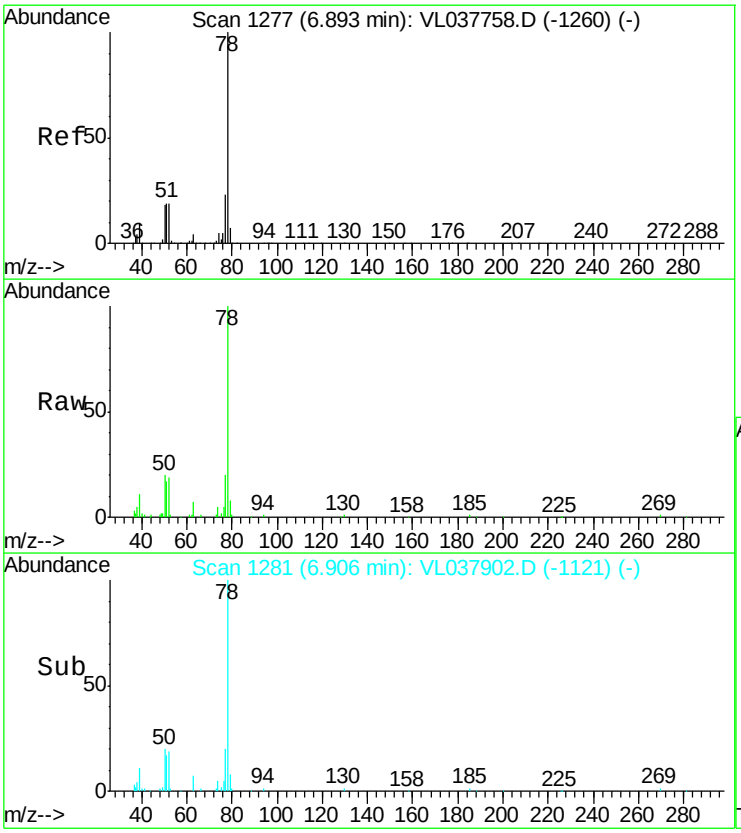
#35
Carbon Tetrachloride
Concen: 0.364 ppbv
RT: 7.04
Delta R.T
Lab File:
Acq: 25 Oct 2021 20:32

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

Tgt Ion:117 Resp: 88000

Ion	Ratio	Lower	Upper
117	100		
119	97.6	76.5	114.7
121	34.8	24.9	37.3

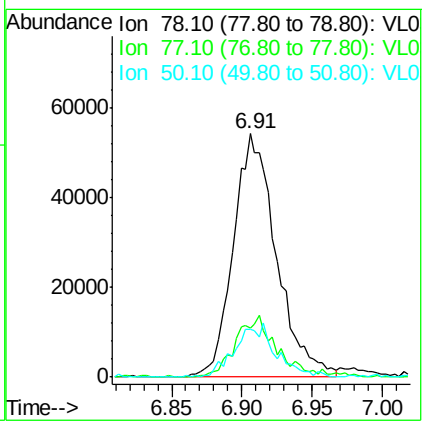


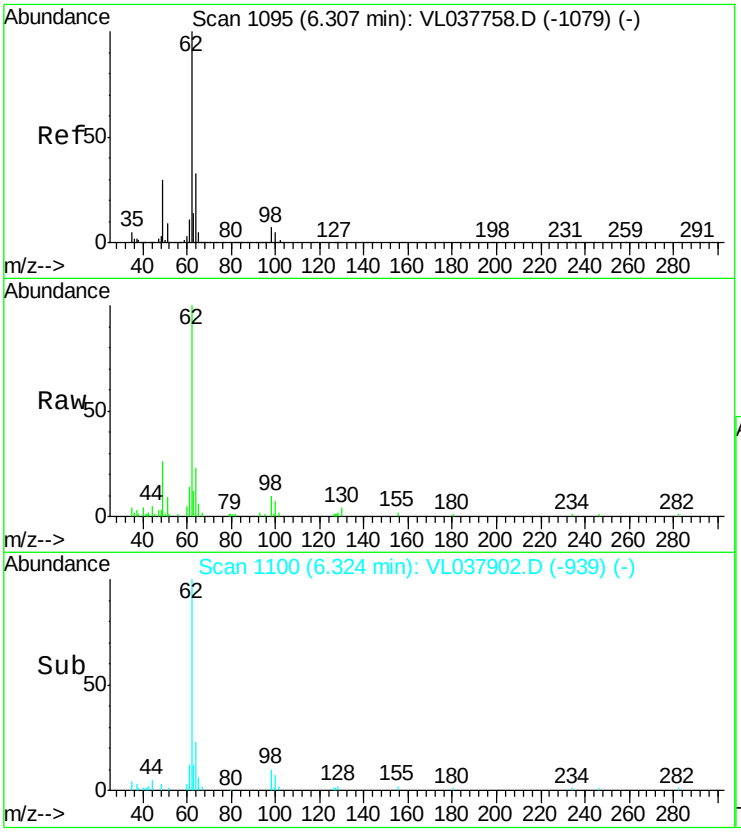


#36
Benzene
Concen: 0.318 ppbv
RT: 6.91 min Scan# 1281
Delta R.T. 0.01 min
Lab File: VL037902.D
Acq: 25 Oct 2021 20:32

Tgt Ion: 78 Resp: 115779

Ion	Ratio	Lower	Upper
78	100		
77	20.3	18.8	28.2
50	19.1	14.7	22.1



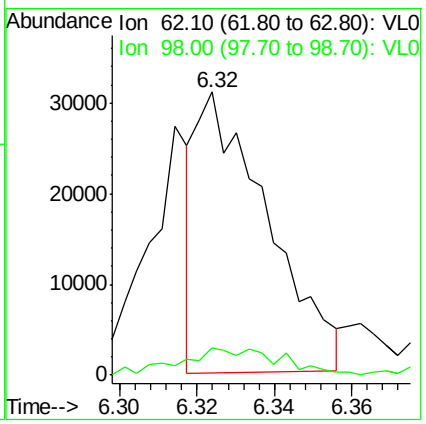


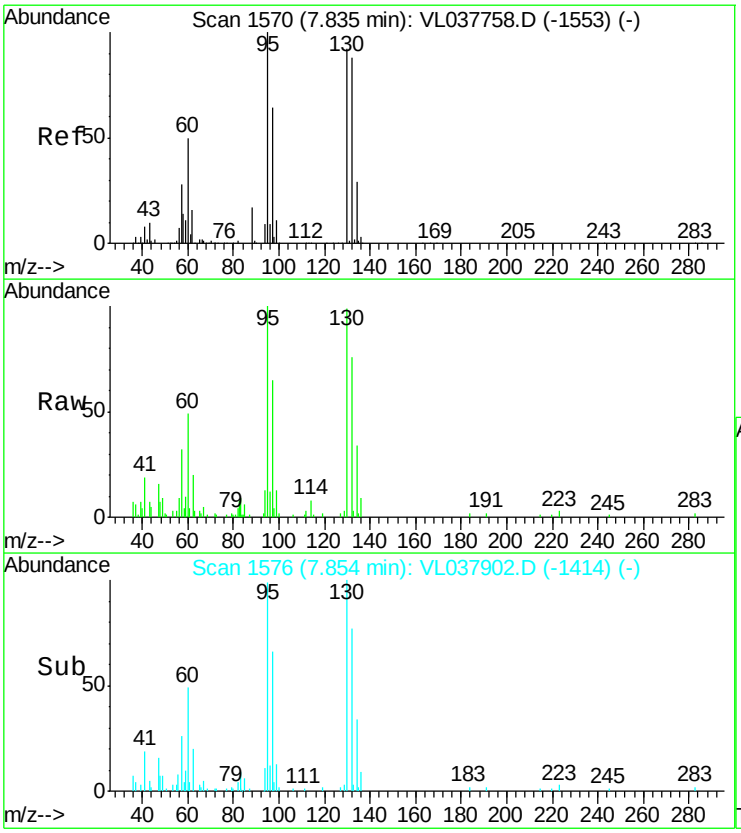
#37
1,2-Dichloroethane
Concen: 0.231 ppbv
RT: 6.32
Delta R.T
Lab File:
Acq: 25 Oct 2021 20:32

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

Tgt Ion: 62 Resp: 39494

Ion	Ratio	Lower	Upper
62	100		
98	16.3	6.1	9.1#

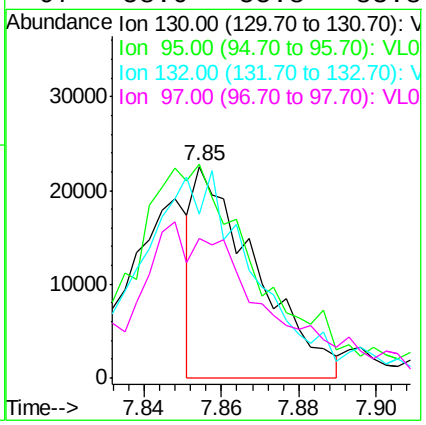


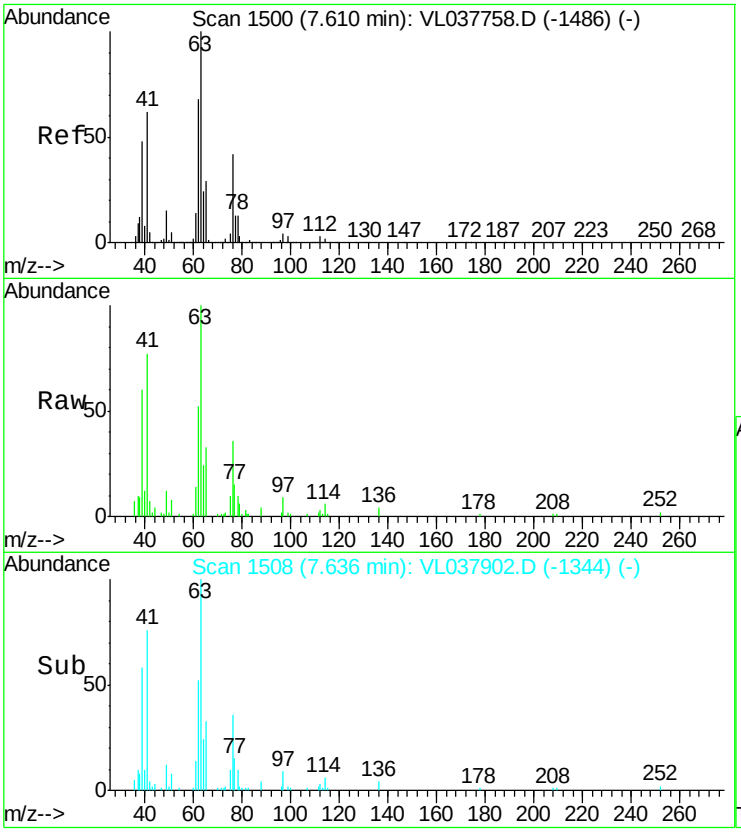


#38
Trichloroethene
Concen: 0.173 ppbv
RT: 7.85 min Scan# 1576
Delta R.T. 0.02 min
Lab File: VL037902.D
Acq: 25 Oct 2021 20:32

Tgt Ion:130 Resp: 24929

Ion	Ratio	Lower	Upper
130	100		
95	99.0	87.4	131.0
132	78.0	76.8	115.2
97	58.0	55.8	83.8



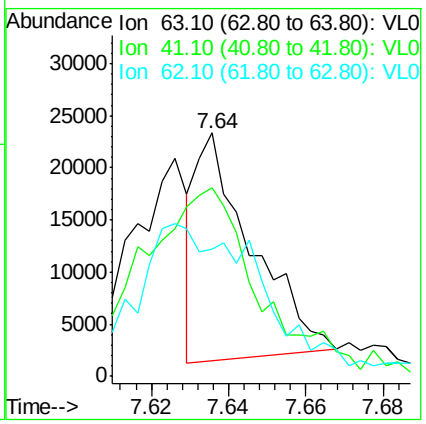


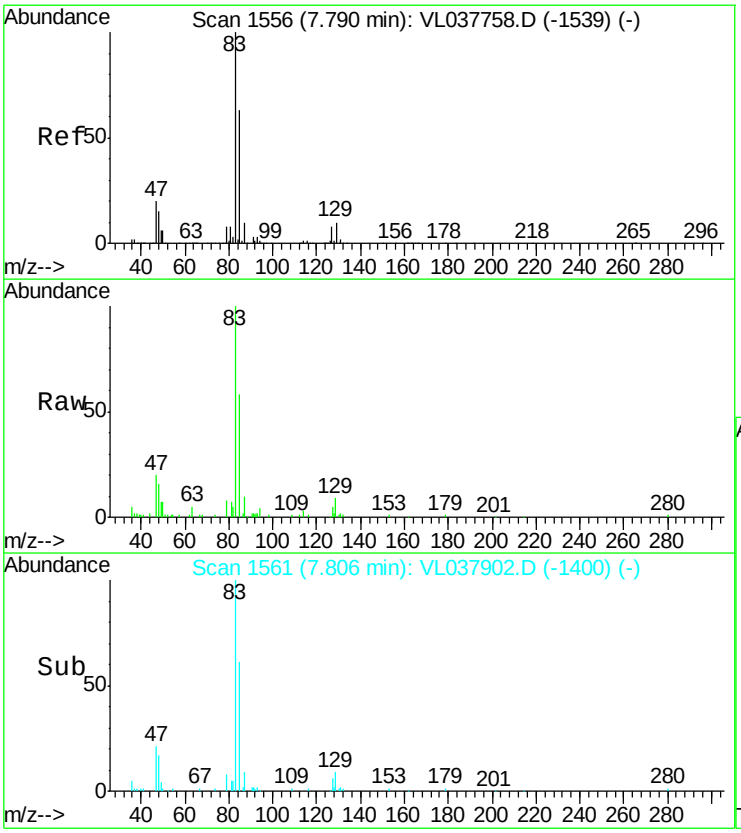
#39
1,2-Dichloropropane
Concen: 0.160 ppbv
RT: 7.64
Delta R.T
Lab File:
Acq: 25 Oct 2021 20:32

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

Tgt Ion: 63 Resp: 21864

Ion	Ratio	Lower	Upper
63	100		
41	76.9	49.8	74.6#
62	46.8	54.6	82.0#

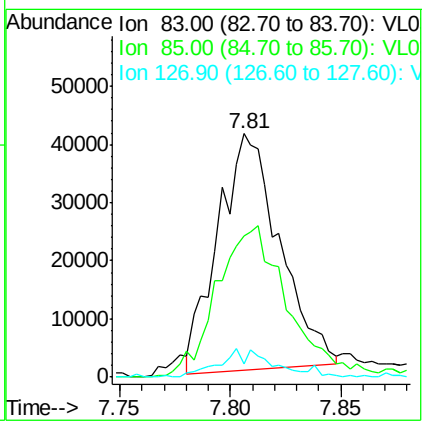


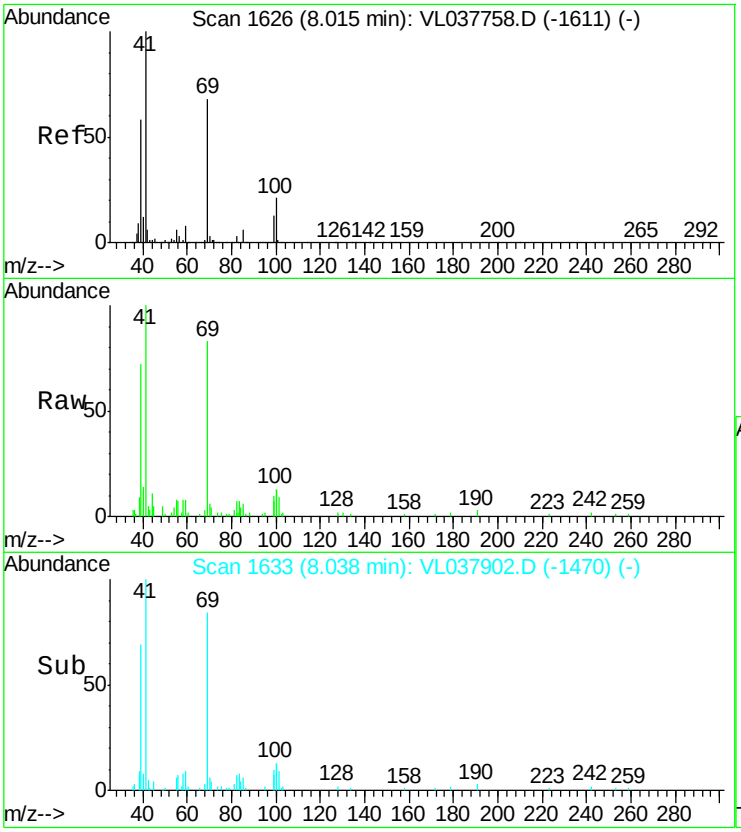


#42
Bromodichloromethane
Concen: 0.315 ppbv
RT: 7.81 min Scan# 1561
Delta R.T. 0.02 min
Lab File: VL037902.D
Acq: 25 Oct 2021 20:32

Tgt Ion: 83 Resp: 79287

Ion	Ratio	Lower	Upper
83	100		
85	57.4	50.6	75.8
127	5.3	6.2	9.4#



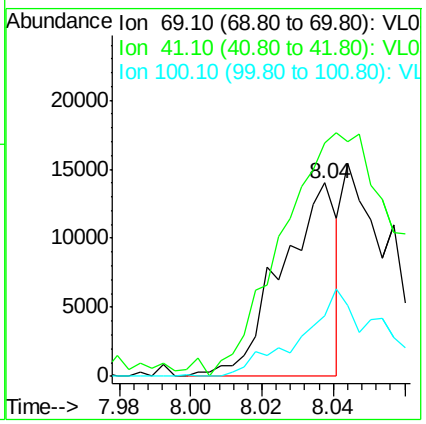


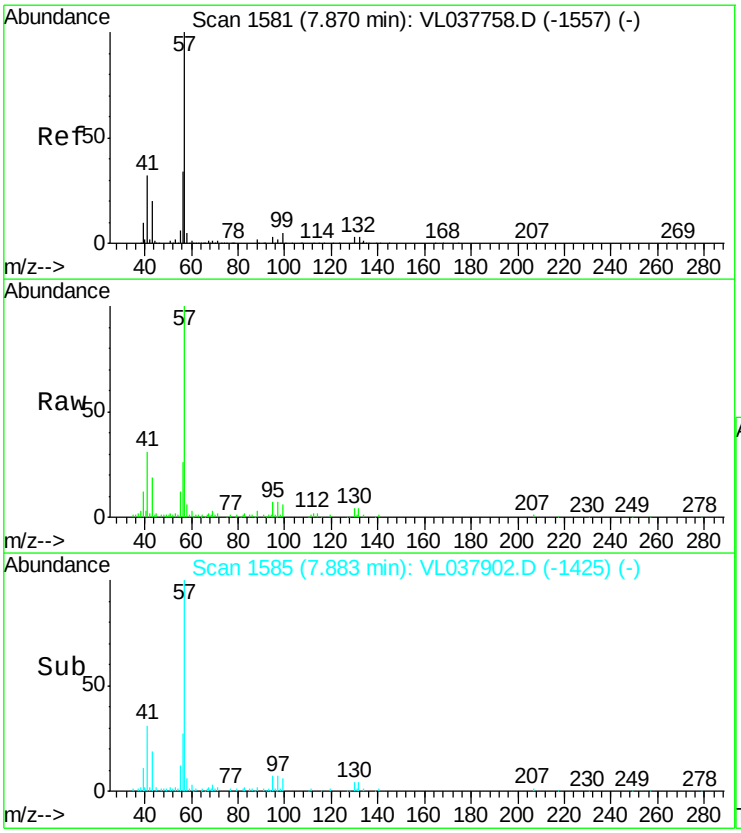
#43
Methyl Methacrylate
Concen: 0.126 ppbv
RT: 8.04
Delta R.T
Lab File:
Acq: 25 Oct 2021 20:32

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

Tgt Ion: 69 Resp: 15008

Ion	Ratio	Lower	Upper
69	100		
41	0.0	121.0	181.4#
100	0.0	27.7	41.5#

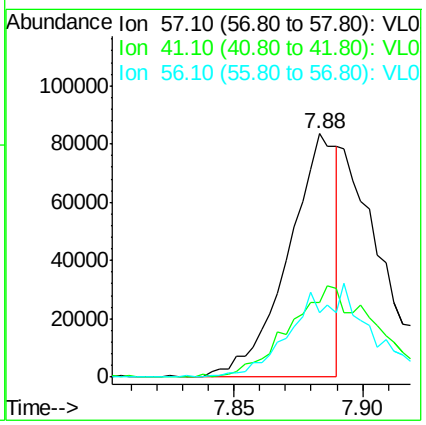


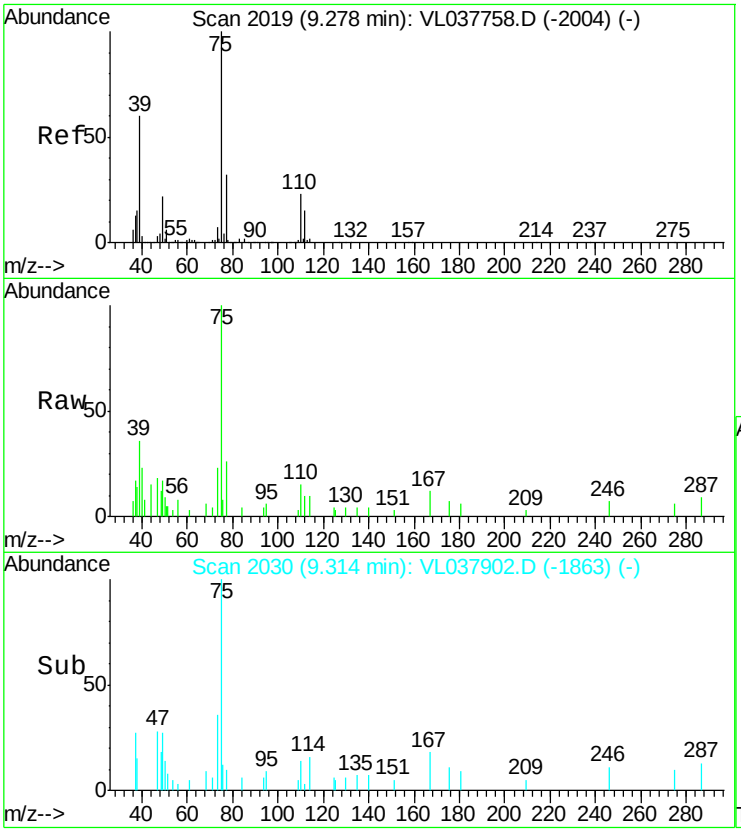


#44
2,2,4-Trimethylpentane
Concen: 0.178 ppbv
RT: 7.88 min Scan# 1585
Delta R.T. 0.01 min
Lab File: VL037902.D
Acq: 25 Oct 2021 20:32

Tgt Ion: 57 Resp: 108942

Ion	Ratio	Lower	Upper
57	100		
41	71.5	25.6	38.4#
56	62.0	25.5	38.3#



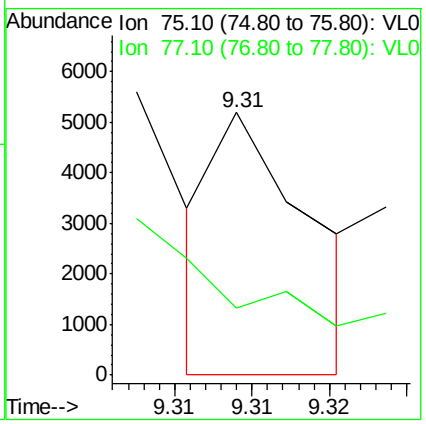


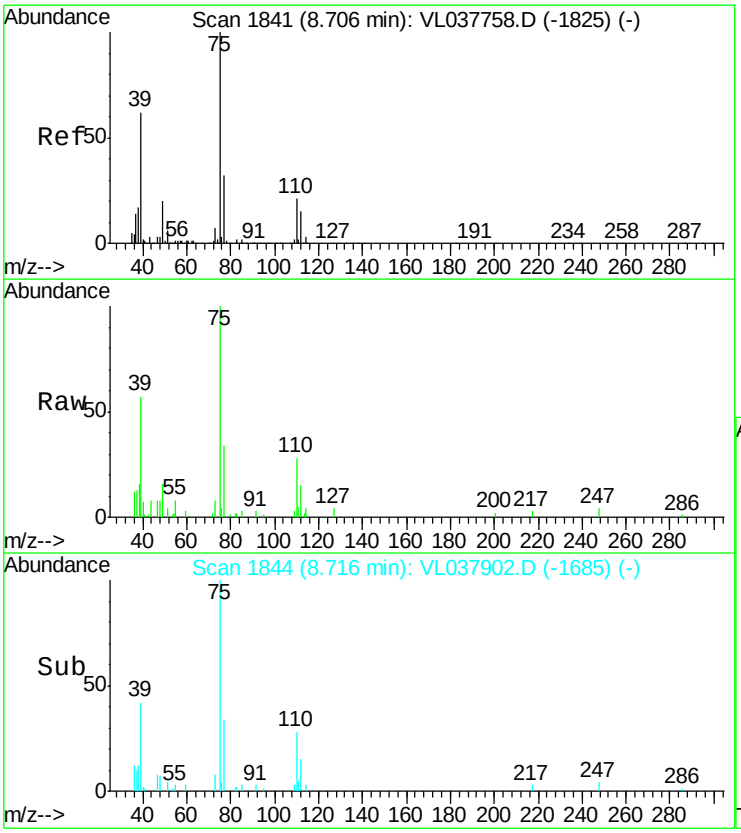
#45
t-1,3-Dichloropropene
Concen: 0.027 ppbv
RT: 9.31
Delta R.T
Lab File:
Acq: 25 Oct 2021 20:32

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

Tgt Ion: 75 Resp: 2200

Ion	Ratio	Lower	Upper
75	100		
77	25.5	25.2	37.8

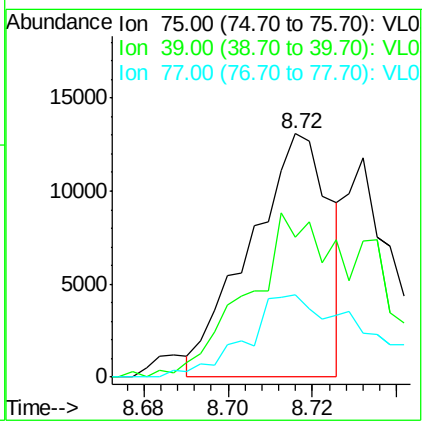


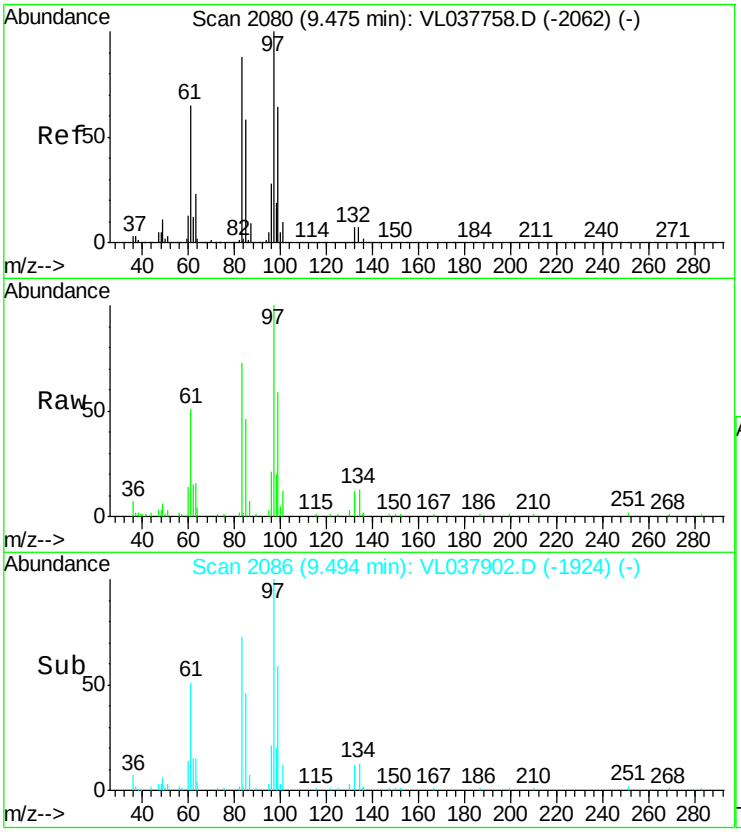


#46
cis-1,3-Dichloropropene
Concen: 0.152 ppbv
RT: 8.72 min Scan# 1844
Delta R.T. 0.01 min
Lab File: VL037902.D
Acq: 25 Oct 2021 20:32

Tgt Ion: 75 Resp: 17193

Ion	Ratio	Lower	Upper
75	100		
39	56.0	49.9	74.9
77	34.4	25.9	38.9



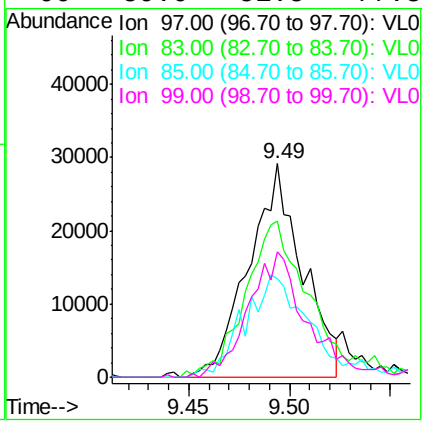


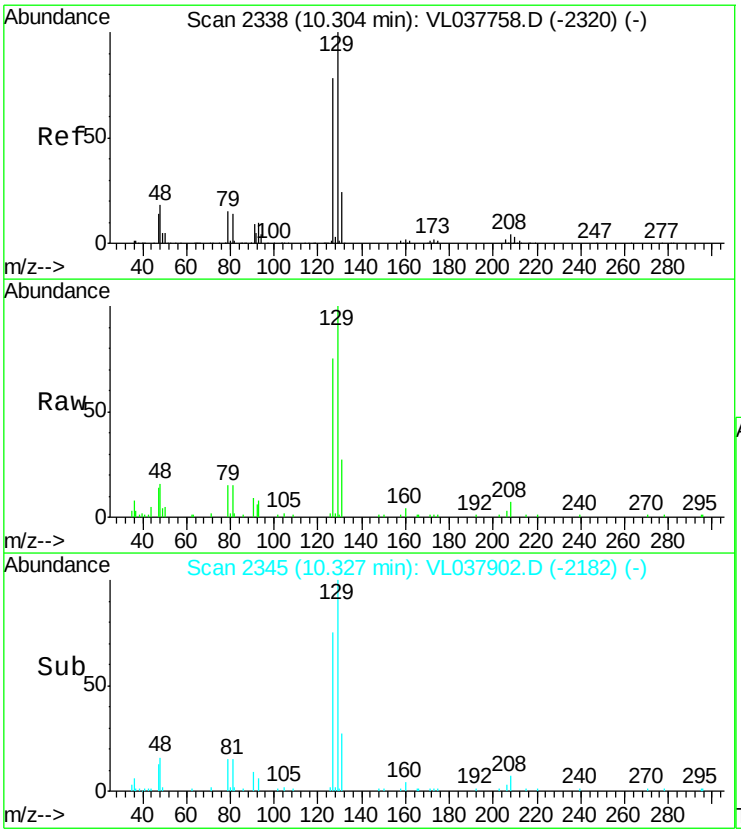
#47
1,1,2-Trichloroethane
Concen: 0.362 ppbv
RT: 9.49
Delta R.T
Lab File:
Acq: 25 Oct 2021 20:32

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

Tgt Ion: 97 Resp: 53864

Ion	Ratio	Lower	Upper
97	100		
83	70.1	70.6	105.8#
85	46.4	45.9	68.9
99	59.0	51.5	77.3

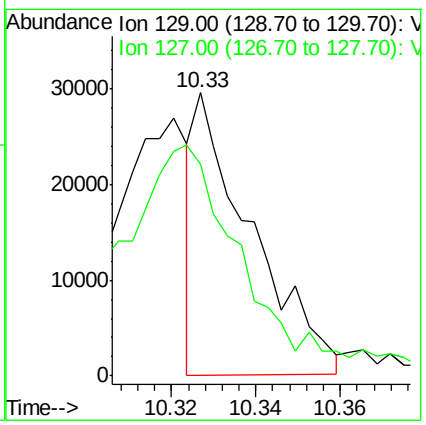


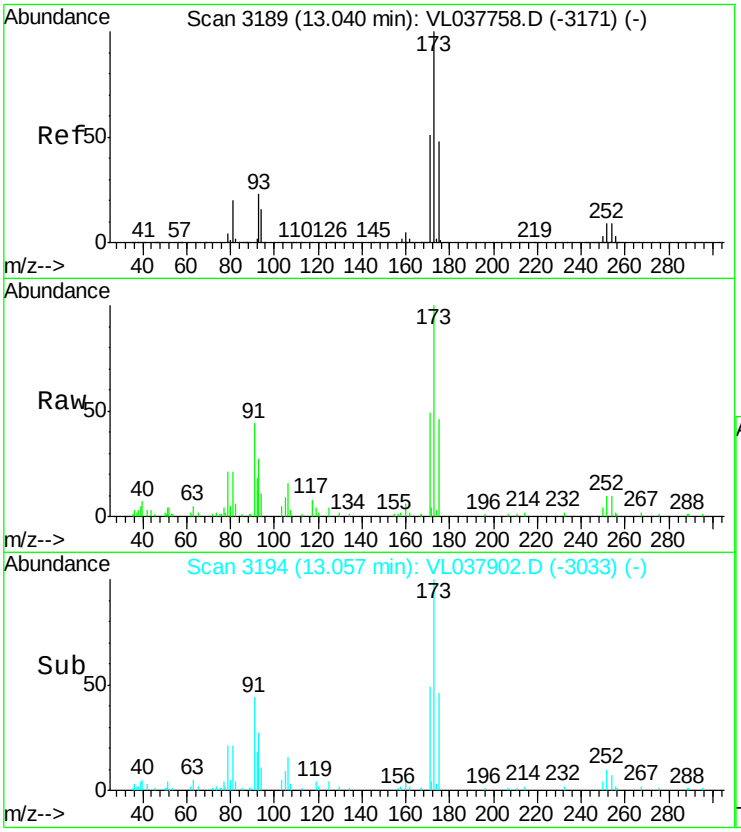


#48
Dibromochloromethane
Concen: 0.129 ppbv
RT: 10.33 min Scan# 2345
Delta R.T. 0.02 min
Lab File: VL037902.D
Acq: 25 Oct 2021 20:32

Tgt Ion:129 Resp: 27358

Ion	Ratio	Lower	Upper
129	100		
127	193.4	39.5	118.5#



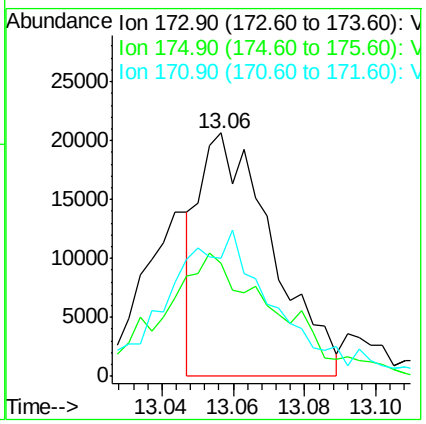


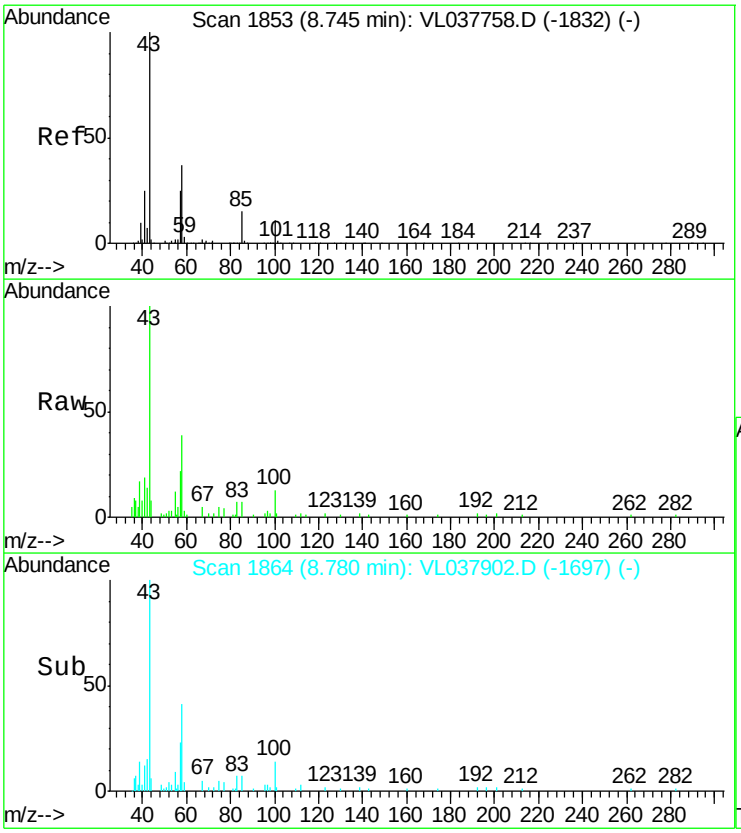
#49
Bromoform
Concen: 0.180 ppbv
RT: 13.06
Delta R.T
Lab File:
Acq: 25 Oct 2021 20:32

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

Tgt Ion:173 Resp: 29192

Ion	Ratio	Lower	Upper
173	100		
175	84.0	39.9	59.9#
171	95.3	43.4	65.2#

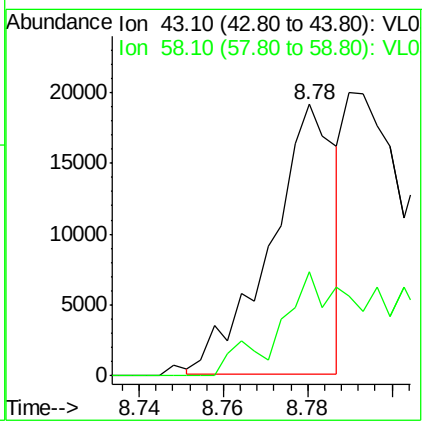


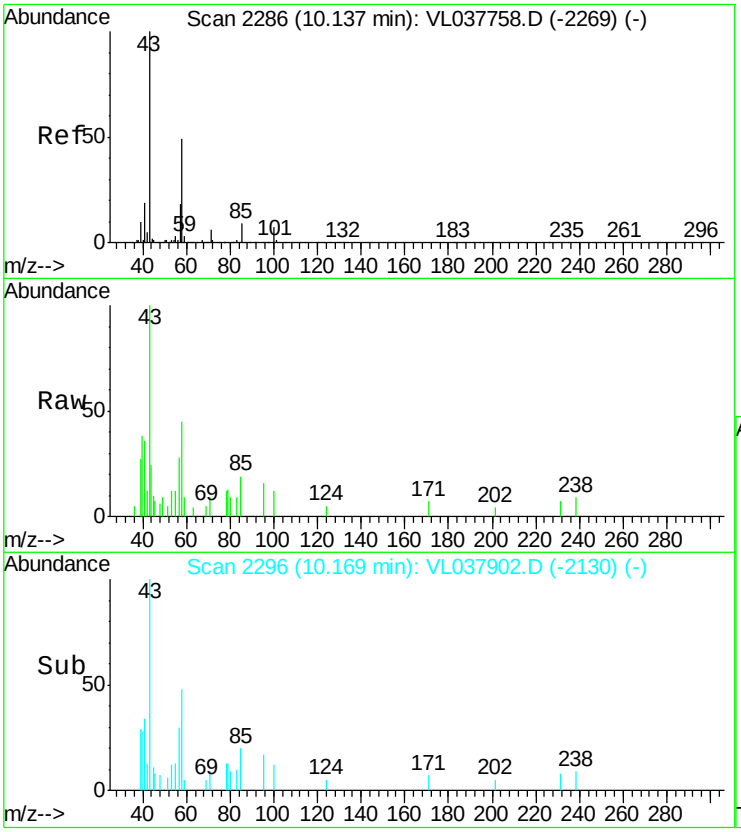


#50
4-Methyl-2-Pentanone
Concen: 0.091 ppbv
RT: 8.78 min Scan# 1864
Delta R.T. 0.04 min
Lab File: VL037902.D
Acq: 25 Oct 2021 20:32

Tgt Ion: 43 Resp: 20299

Ion	Ratio	Lower	Upper
43	100		
58	94.7	29.4	44.0#



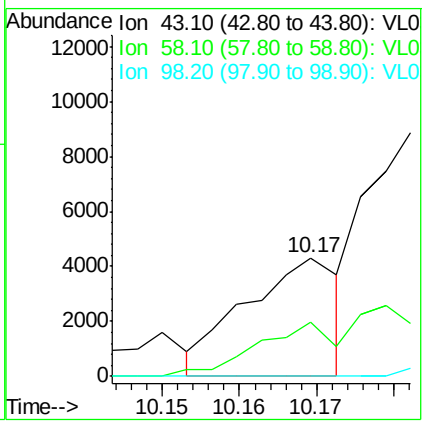


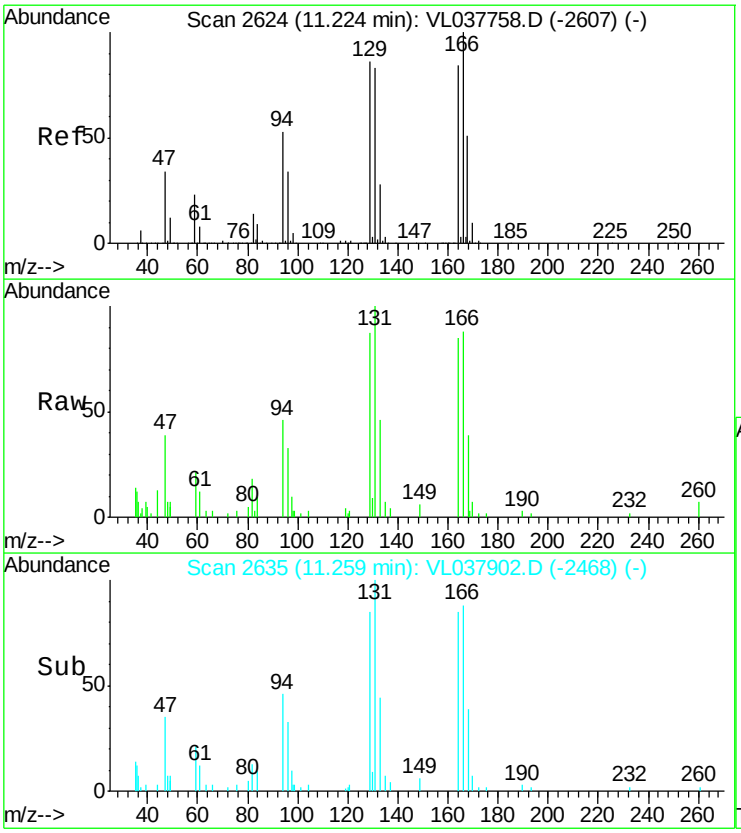
#51
2-Hexanone
Concen: 0.036 ppbv
RT: 10.17
Delta R.T
Lab File:
Acq: 25 Oct 2021 20:32

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

Tgt Ion: 43 Resp: 3625

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

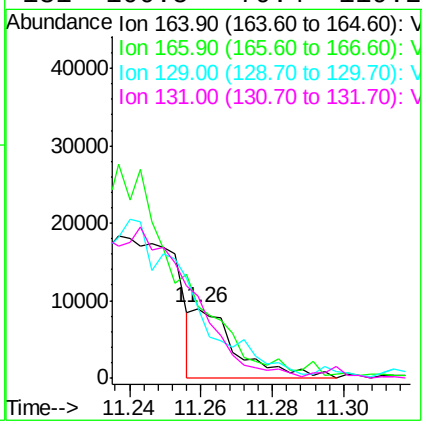


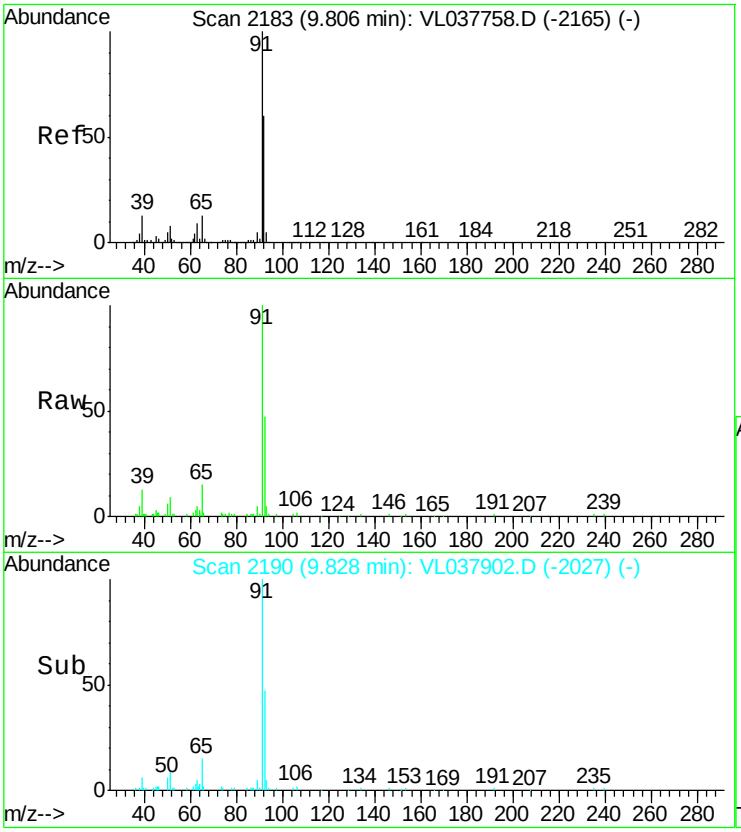


#52
Tetrachloroethene
Concen: 0.053 ppbv
RT: 11.26 min Scan# 2635
Delta R.T. 0.04 min
Lab File: VL037902.D
Acq: 25 Oct 2021 20:32

Tgt Ion:164 Resp: 7468

Ion	Ratio	Lower	Upper
164	100		
166	98.0	95.4	143.2
129	92.4	82.2	123.4
131	100.5	79.4	119.2



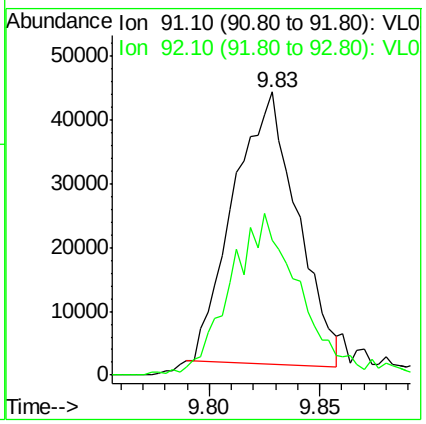


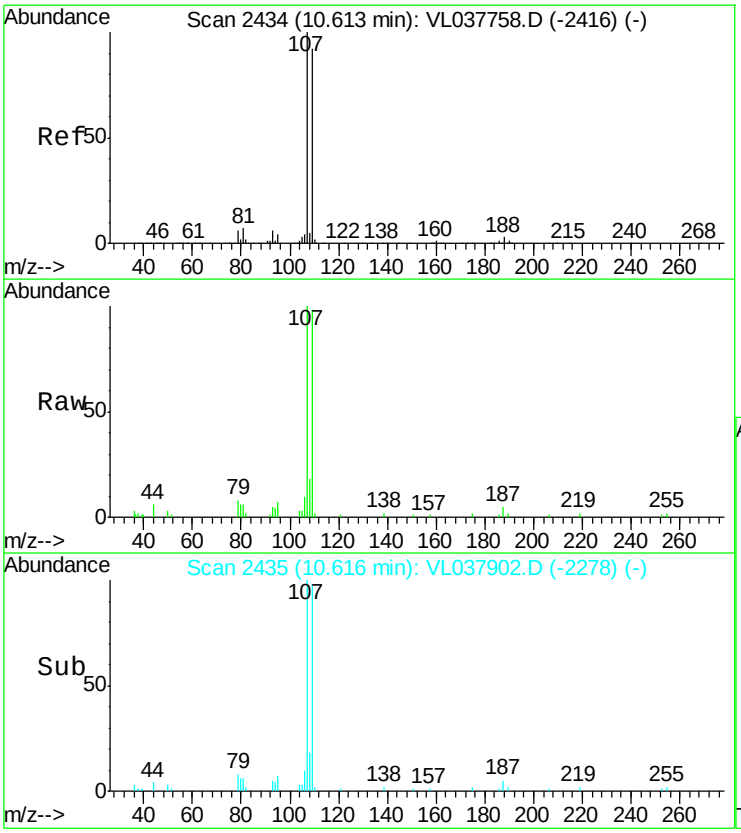
#53
Toluene
Concen: 0.213 ppbv
RT: 9.83
Delta R.T
Lab File:
Acq: 25 Oct 2021 20:32

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

Tgt Ion: 91 Resp: 85873

Ion	Ratio	Lower	Upper
91	100		
92	66.3	48.4	72.6

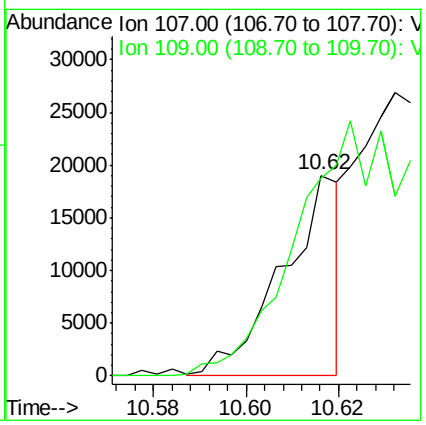


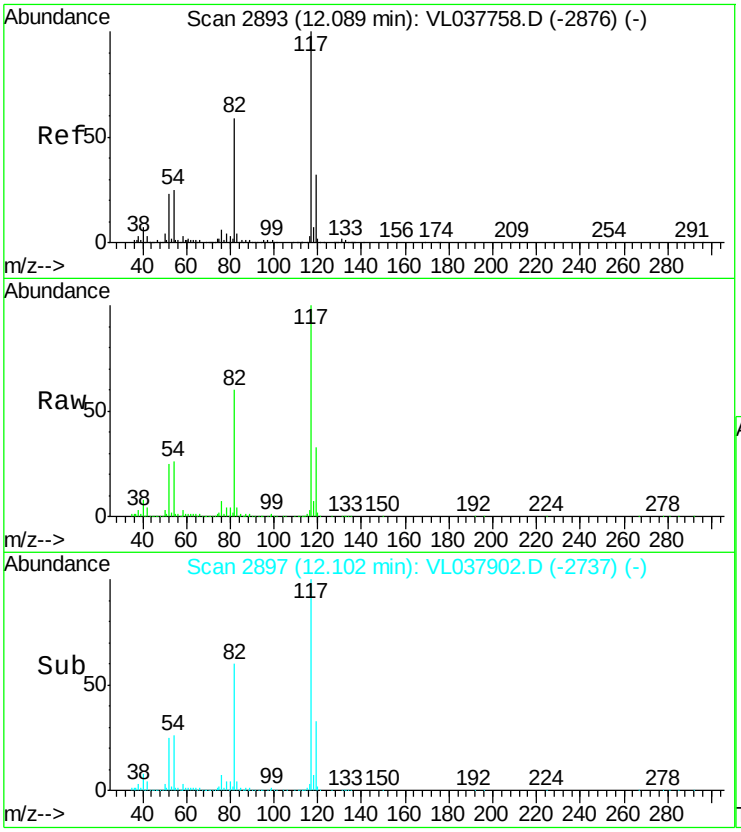


#54
1,2-Dibromoethane
Concen: 0.081 ppbv
RT: 10.62 min Scan# 2435
Delta R.T. 0.00 min
Lab File: VL037902.D
Acq: 25 Oct 2021 20:32

Tgt Ion:107 Resp: 16316

Ion	Ratio	Lower	Upper
107	100		
109	98.5	73.8	110.6



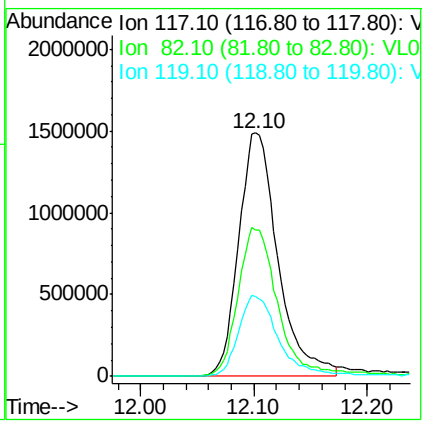


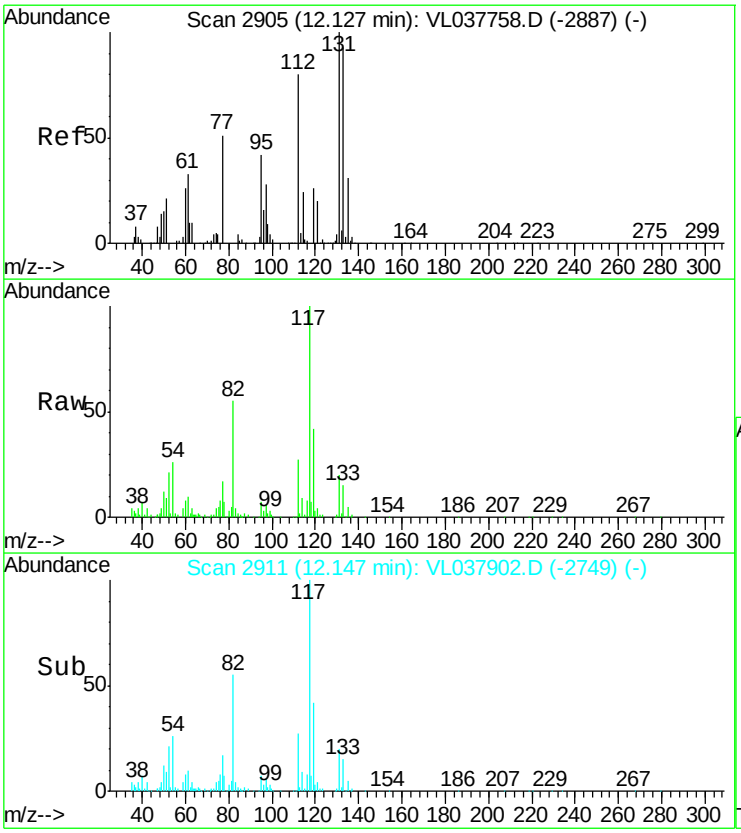
#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 12.10
Delta R.T
Lab File:
Acq: 25 Oct 2021 20:32

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

Tgt Ion:117 Resp: 3591190

Ion	Ratio	Lower	Upper
117	100		
82	63.2	52.2	78.2
119	34.4	26.0	39.0

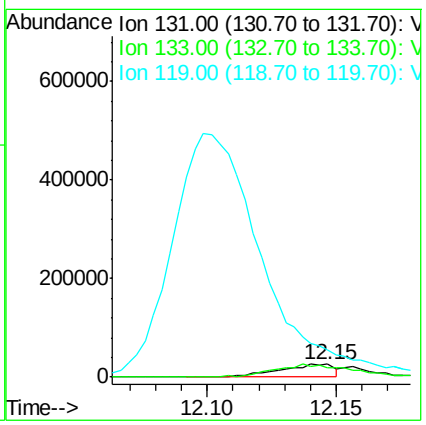


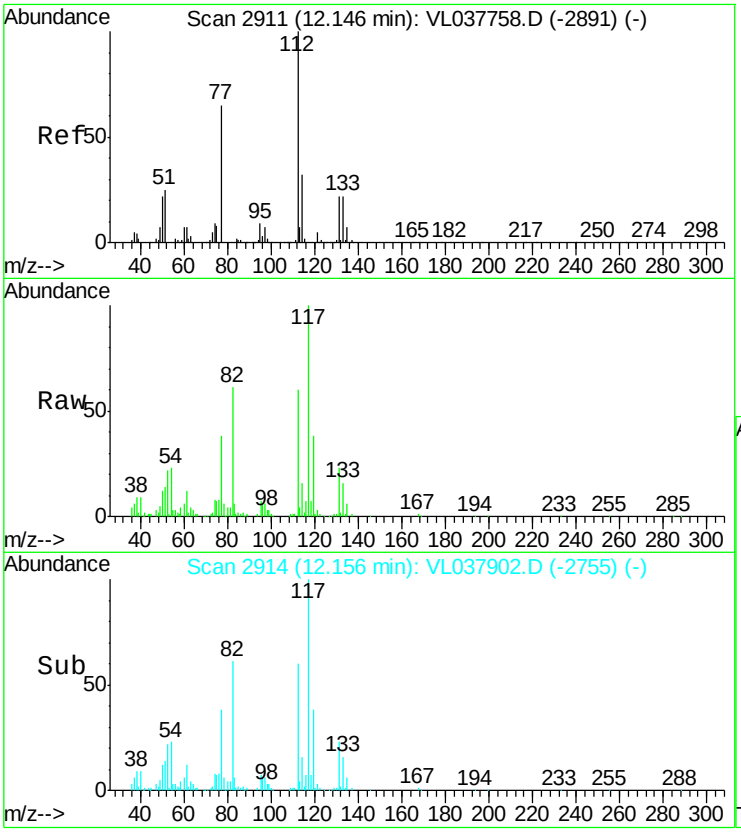


#56
1,1,1,2-Tetrachloroethane
Concen: 0.266 ppbv
RT: 12.15 min Scan# 2911
Delta R.T. 0.02 min
Lab File: VL037902.D
Acq: 25 Oct 2021 20:32

Tgt Ion:131 Resp: 39532

Ion	Ratio	Lower	Upper
131	100		
133	149.2	78.5	117.7#
119	3210.4	51.7	77.5#



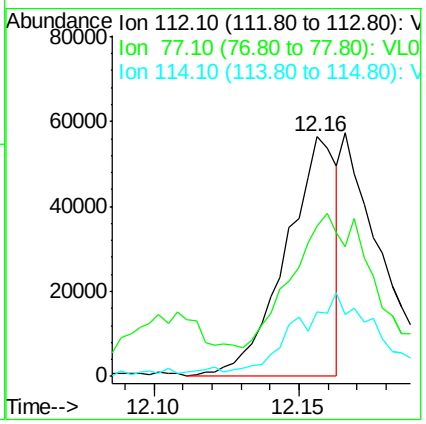


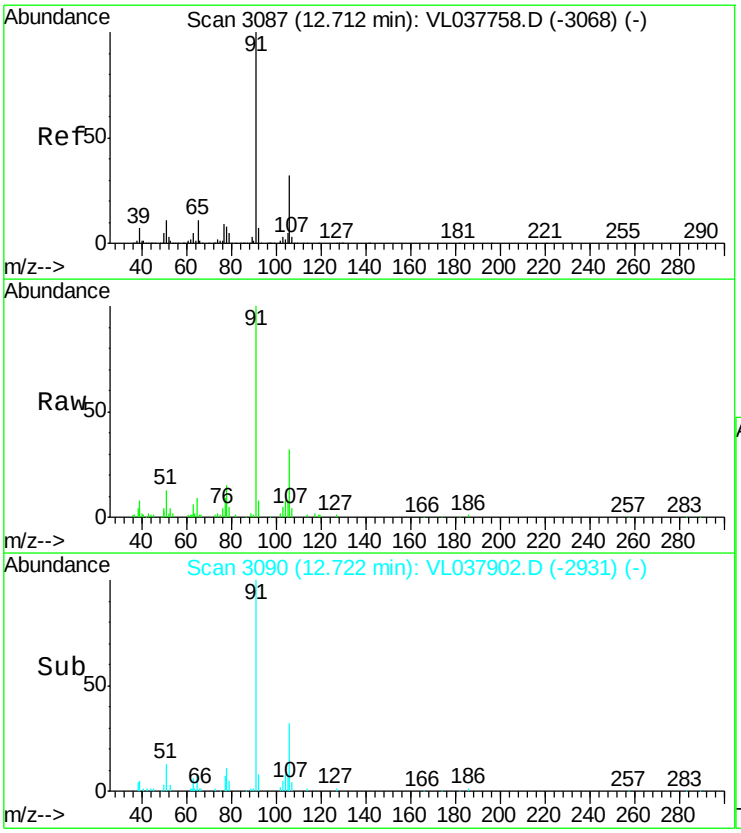
#57
Chlorobenzene
Concen: 0.232 ppbv
RT: 12.16
Delta R.T
Lab File:
Acq: 25 Oct 2021 20:32

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

Tgt Ion:112 Resp: 68340

Ion	Ratio	Lower	Upper
112	100		
77	38.9	51.8	77.8#
114	24.7	28.8	35.2#

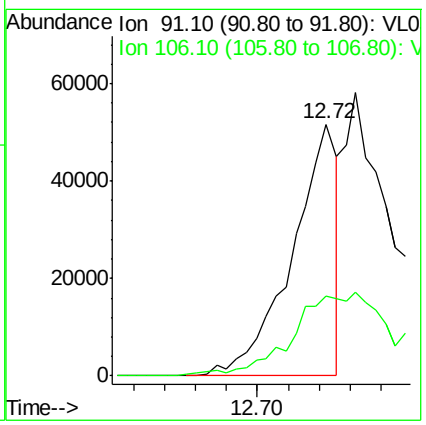


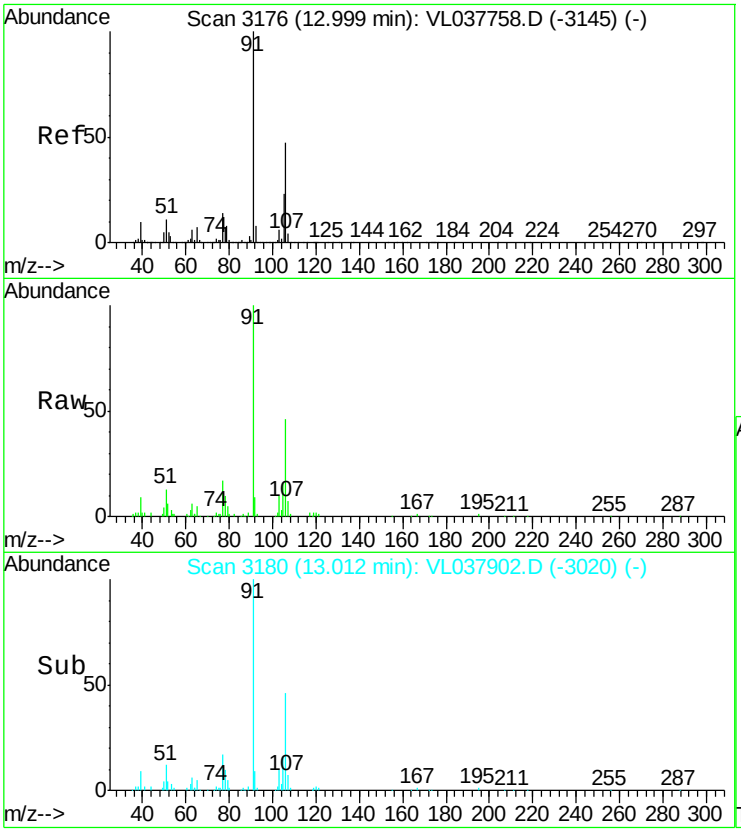


#58
Ethyl Benzene
Concen: 0.109 ppbv
RT: 12.72 min Scan# 3090
Delta R.T. 0.01 min
Lab File: VL037902.D
Acq: 25 Oct 2021 20:32

Tgt Ion: 91 Resp: 52401

Ion	Ratio	Lower	Upper
91	100		
106	31.3	25.3	37.9



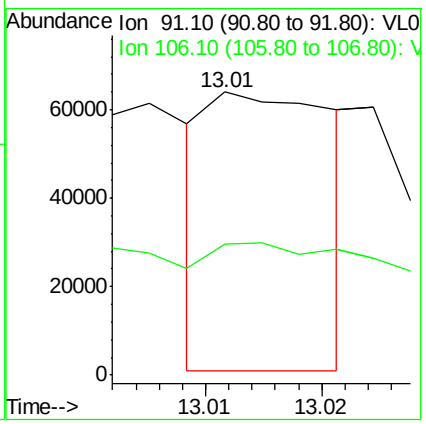


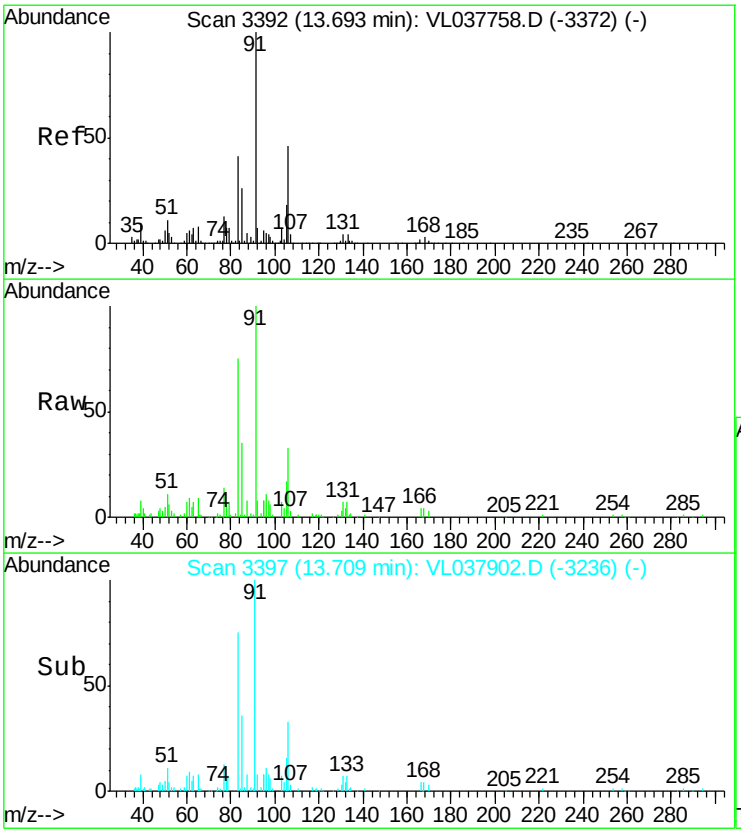
#59
m/p-Xylene
Concen: 0.113 ppbv
RT: 13.01
Delta R.T
Lab File:
Acq: 25 Oct 2021 20:32

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

Tgt Ion: 91 Resp: 46949

Ion	Ratio	Lower	Upper
91	100		
106	236.8	36.7	55.1#

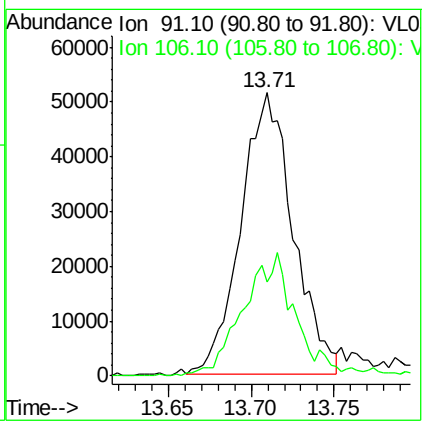


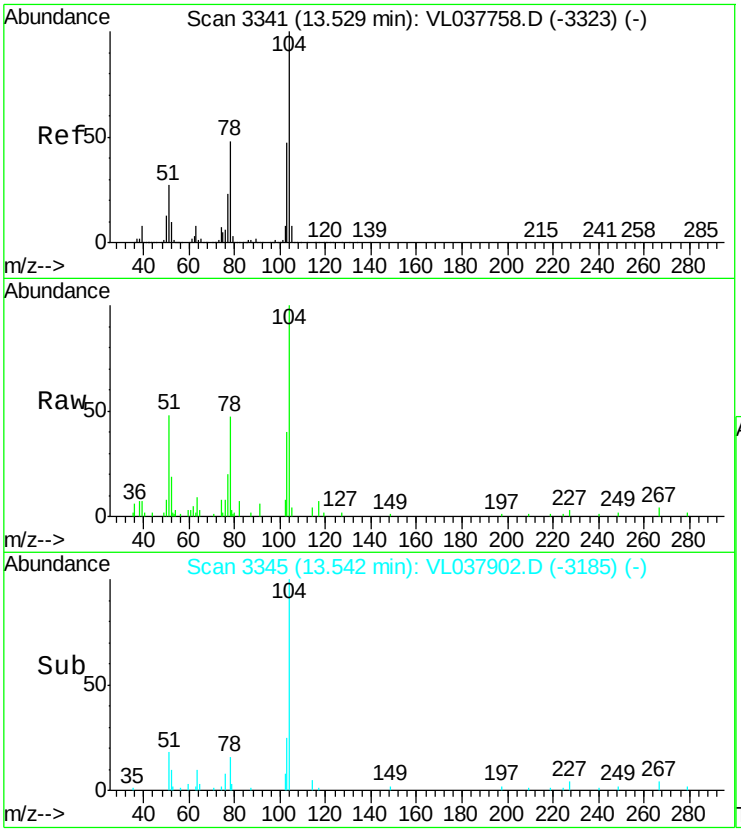


#60
o-Xylene
Concen: 0.286 ppbv
RT: 13.71 min Scan# 3397
Delta R.T. 0.02 min
Lab File: VL037902.D
Acq: 25 Oct 2021 20:32

Tgt Ion: 91 Resp: 113428

Ion	Ratio	Lower	Upper
91	100		
106	44.3	23.5	70.5



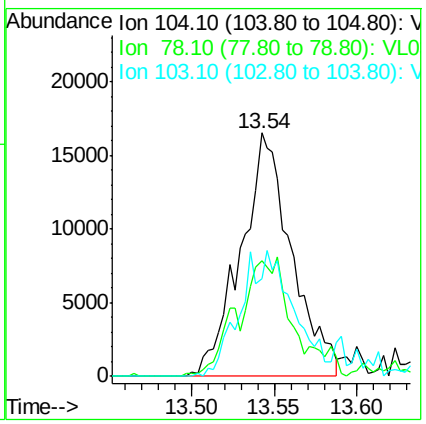


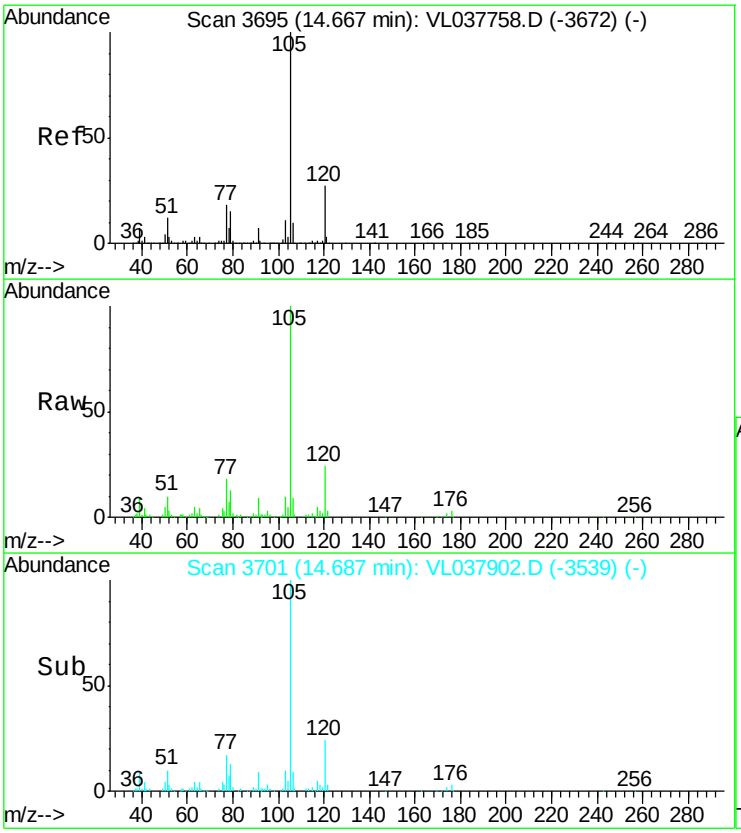
#61
Styrene
Concen: 0.183 ppbv
RT: 13.54
Delta R.T
Lab File:
Acq: 25 Oct 2021 20:32

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

Tgt Ion:104 Resp: 35148

Ion	Ratio	Lower	Upper
104	100		
78	54.5	40.6	61.0
103	58.6	39.6	59.4

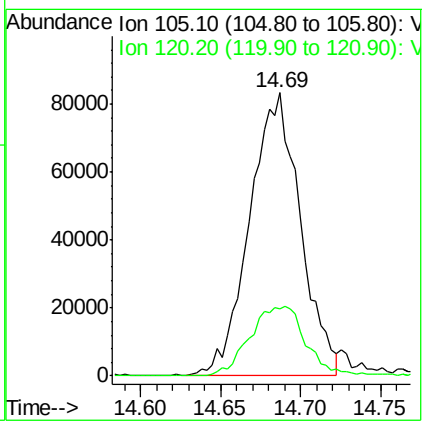


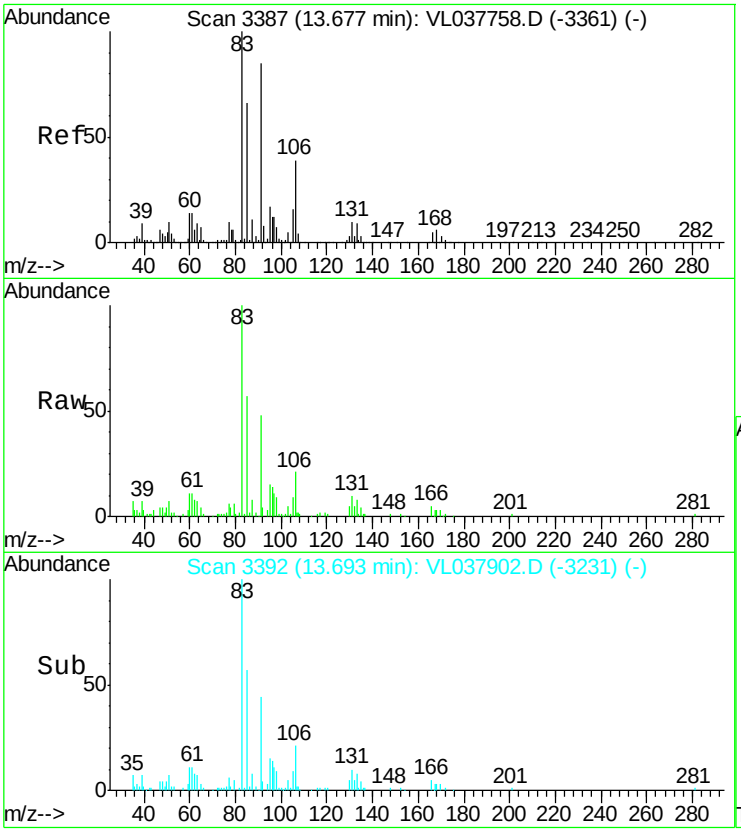


#62
Isopropylbenzene
Concen: 0.328 ppbv
RT: 14.69 min Scan# 3701
Delta R.T. 0.02 min
Lab File: VL037902.D
Acq: 25 Oct 2021 20:32

Tgt Ion:105 Resp: 181694

Ion	Ratio	Lower	Upper
105	100		
120	27.4	21.3	31.9



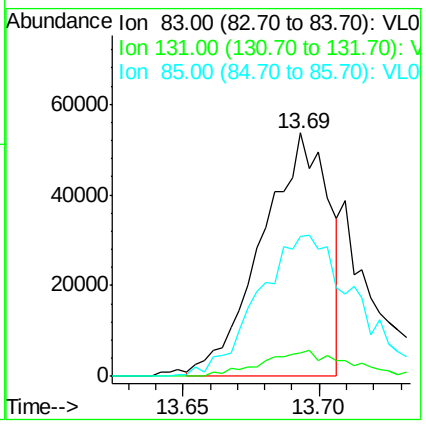


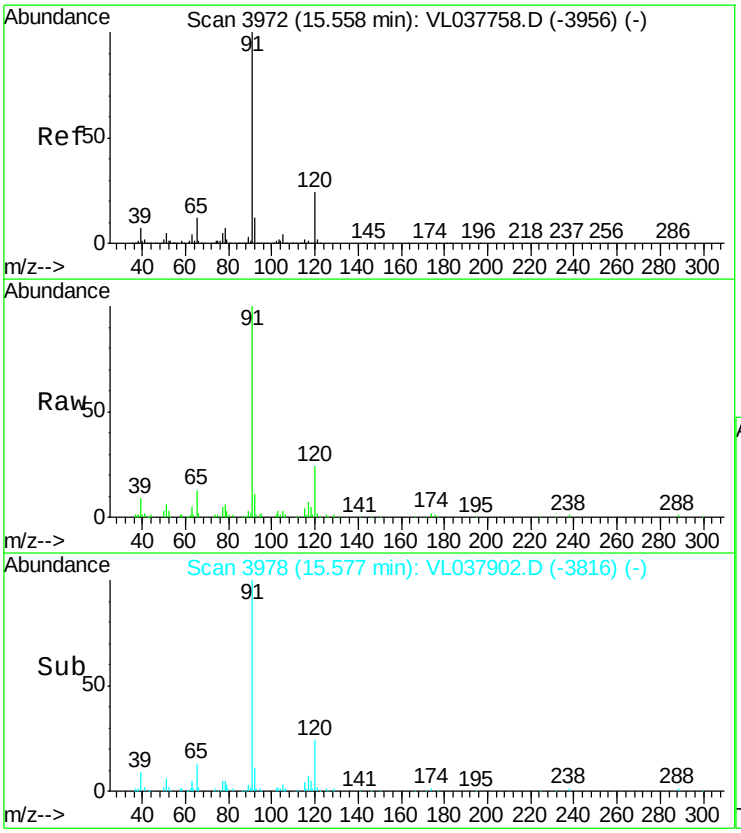
#63
1,1,2,2-Tetrachloroethane
Concen: 0.298 ppbv
RT: 13.69
Delta R.T
Lab File:
Acq: 25 Oct 2021 20:32

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

Tgt Ion: 83 Resp: 91084

Ion	Ratio	Lower	Upper
83	100		
131	14.8	5.0	15.0
85	93.9	33.1	99.5

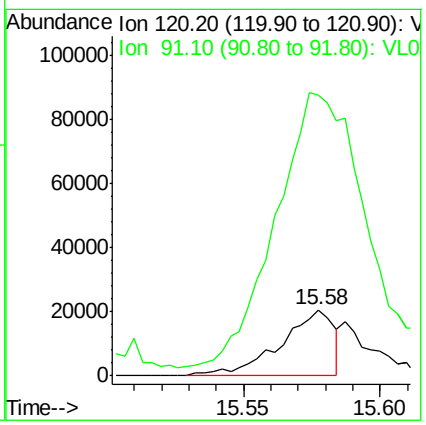


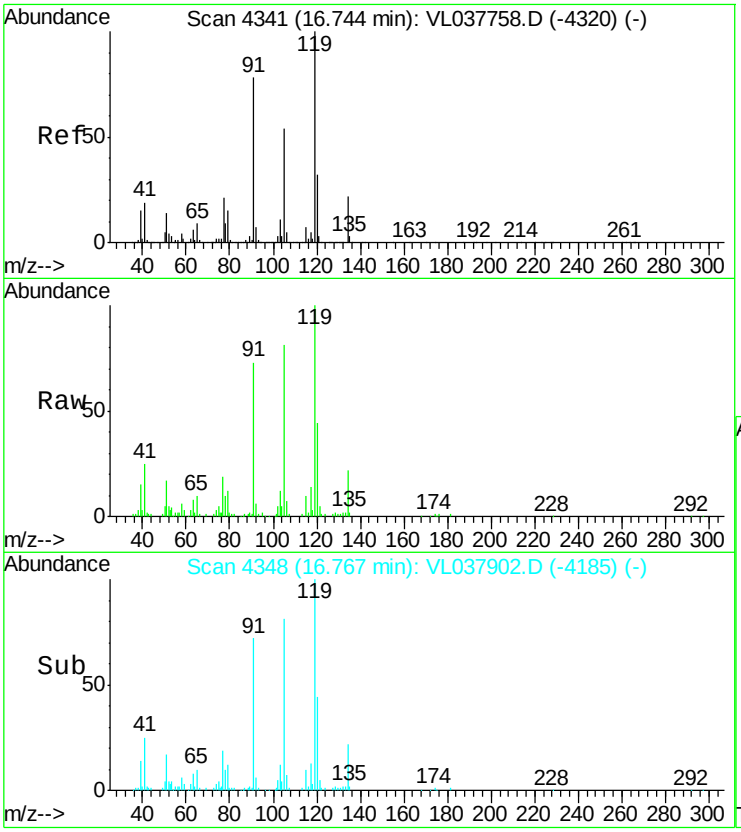


#64
n-propylbenzene
Concen: 0.204 ppbv
RT: 15.58 min Scan# 3978
Delta R.T. 0.02 min
Lab File: VL037902.D
Acq: 25 Oct 2021 20:32

Tgt Ion:120 Resp: 28130

Ion	Ratio	Lower	Upper
120	100		
91	799.0	375.0	562.6#



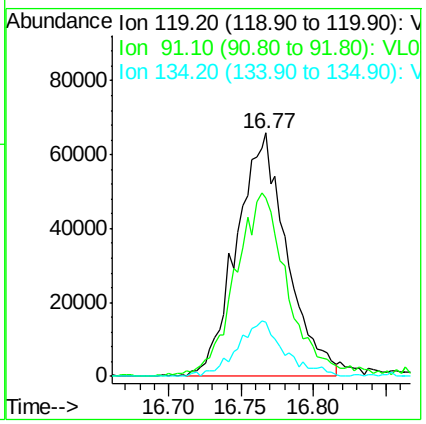


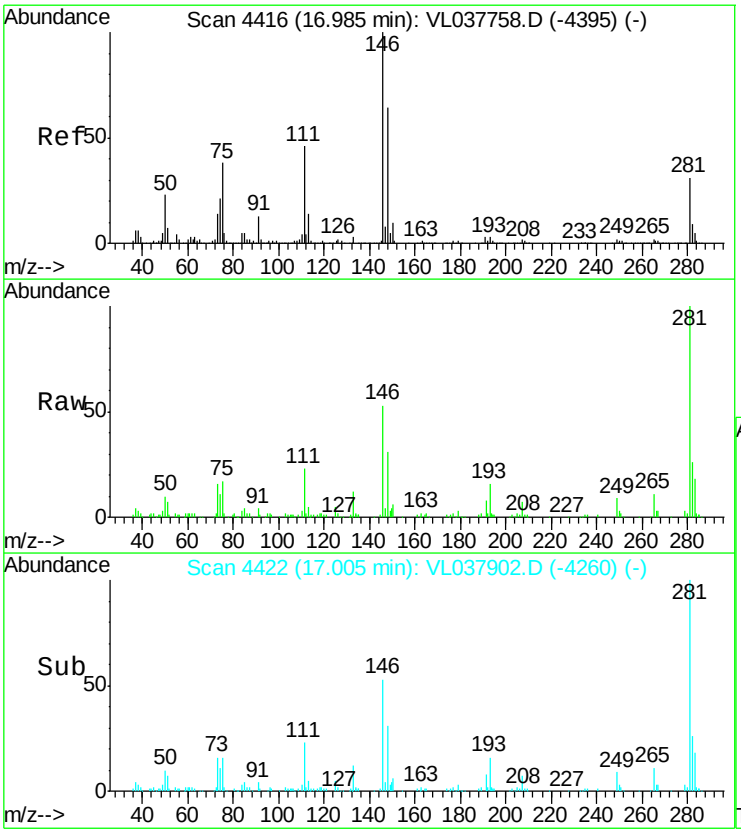
#65
tert-Butylbenzene
Concen: 0.327 ppbv
RT: 16.77
Delta R.T
Lab File:
Acq: 25 Oct 2021 20:32

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

Tgt Ion:119 Resp: 158995

Ion	Ratio	Lower	Upper
119	100		
91	80.5	62.6	94.0
134	21.3	16.3	24.5

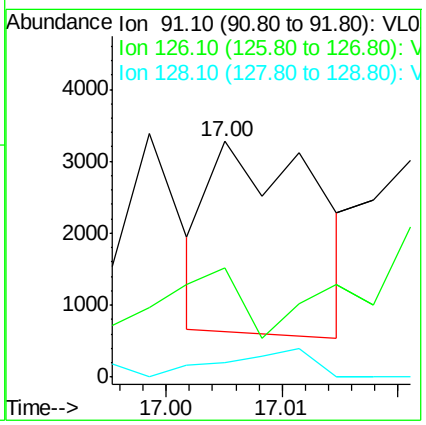


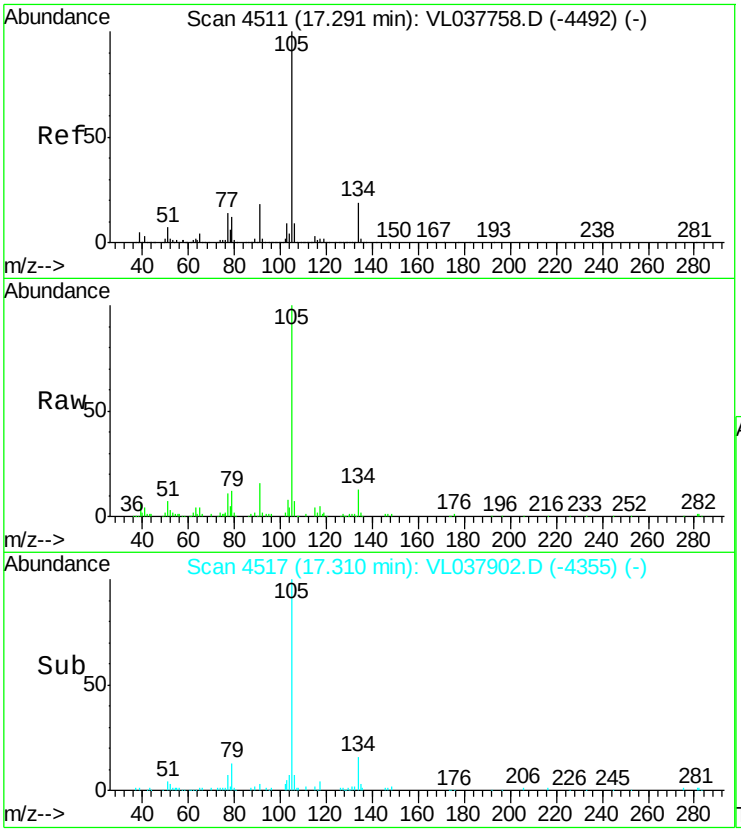


#66
Benzyl Chloride
Concen: 0.071 ppbv
RT: 17.00 min Scan# 4422
Delta R.T. 0.02 min
Lab File: VL037902.D
Acq: 25 Oct 2021 20:32

Tgt Ion: 91 Resp: 1695

Ion	Ratio	Lower	Upper
91	100		
126	0.0	0.0	0.0
128	23.9	5.3	7.9#



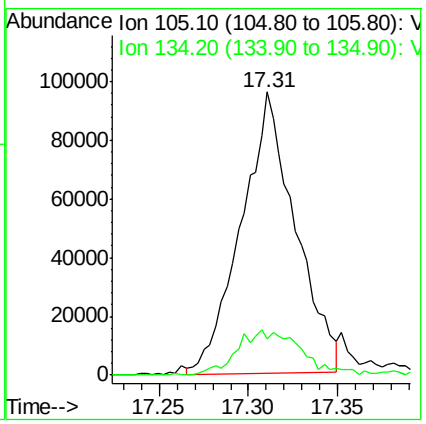


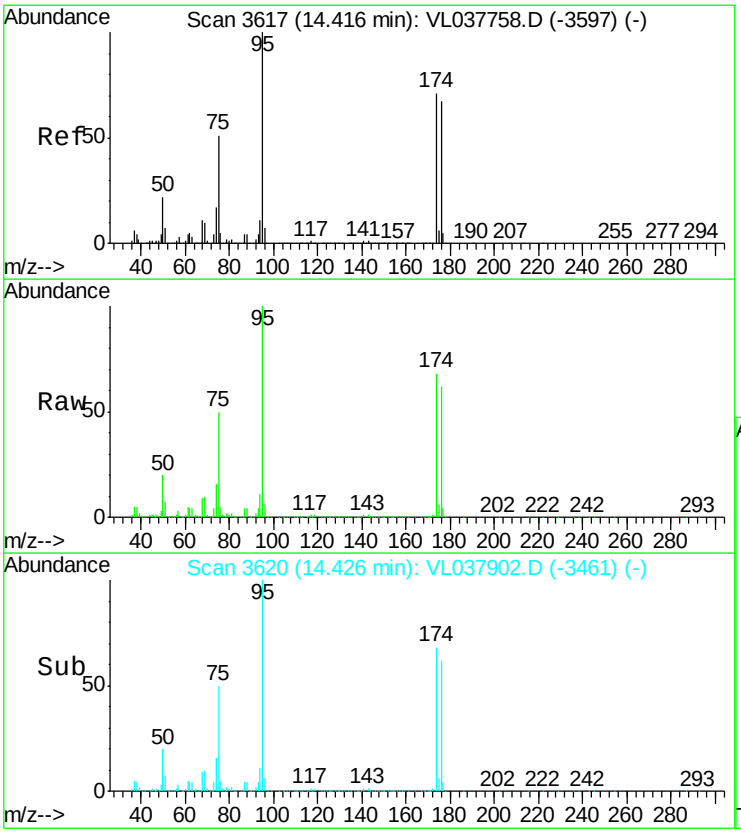
#67
sec-Butylbenzene
Concen: 0.305 ppbv
RT: 17.31
Delta R.T
Lab File:
Acq: 25 Oct 2021 20:32

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

Tgt Ion:105 Resp: 203045

Ion	Ratio	Lower	Upper
105	100		
134	19.9	15.4	23.0

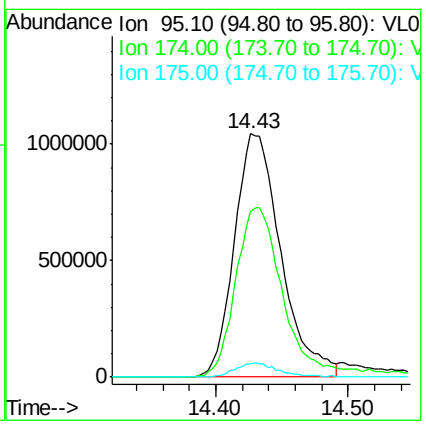


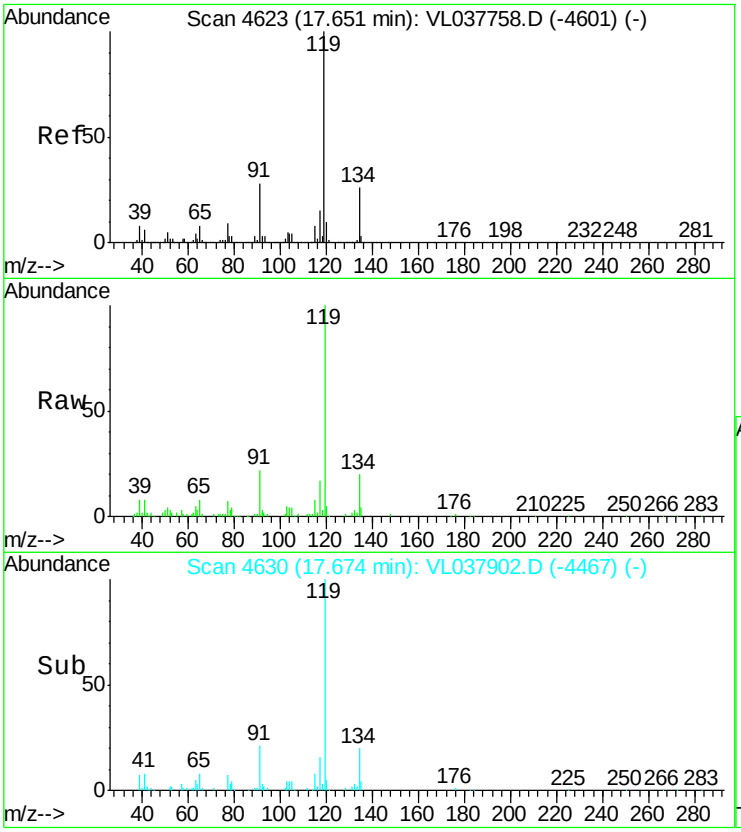


#68
1-Bromo-4-Fluorobenzene
Concen: 10.159 ppbv
RT: 14.43 min Scan# 3620
Delta R.T. 0.01 min
Lab File: VL037902.D
Acq: 25 Oct 2021 20:32

Tgt Ion: 95 Resp: 2551380

Ion	Ratio	Lower	Upper
95	100		
174	75.3	57.8	86.6
175	5.5	4.7	7.1



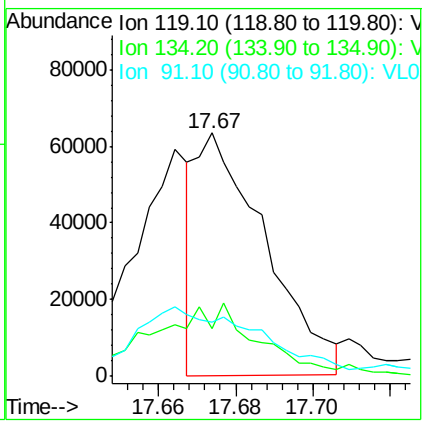


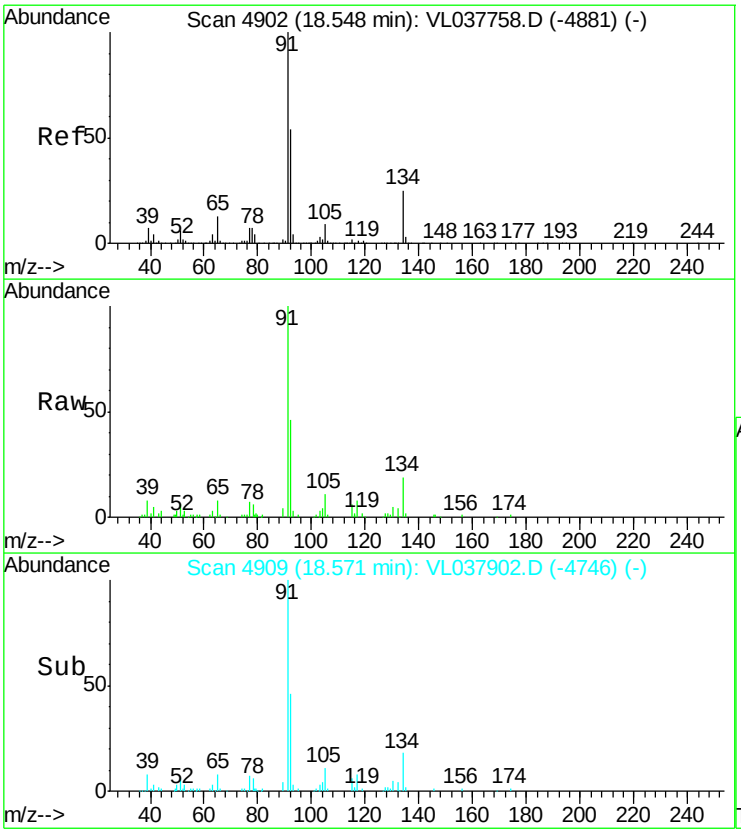
#69
p-Isopropyltoluene
Concen: 0.146 ppbv
RT: 17.67
Delta R.T
Lab File:
Acq: 25 Oct 2021 20:32

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

Tgt Ion:119 Resp: 78543

Ion	Ratio	Lower	Upper
119	100		
134	51.5	21.2	31.8#
91	0.0	22.2	33.4#

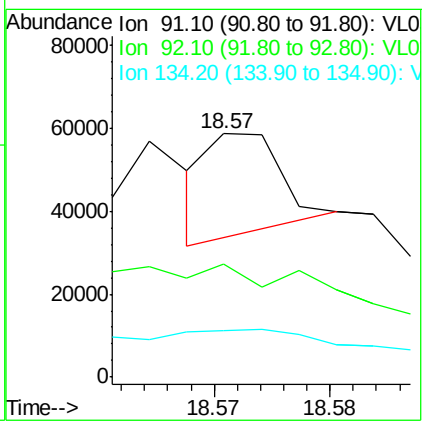


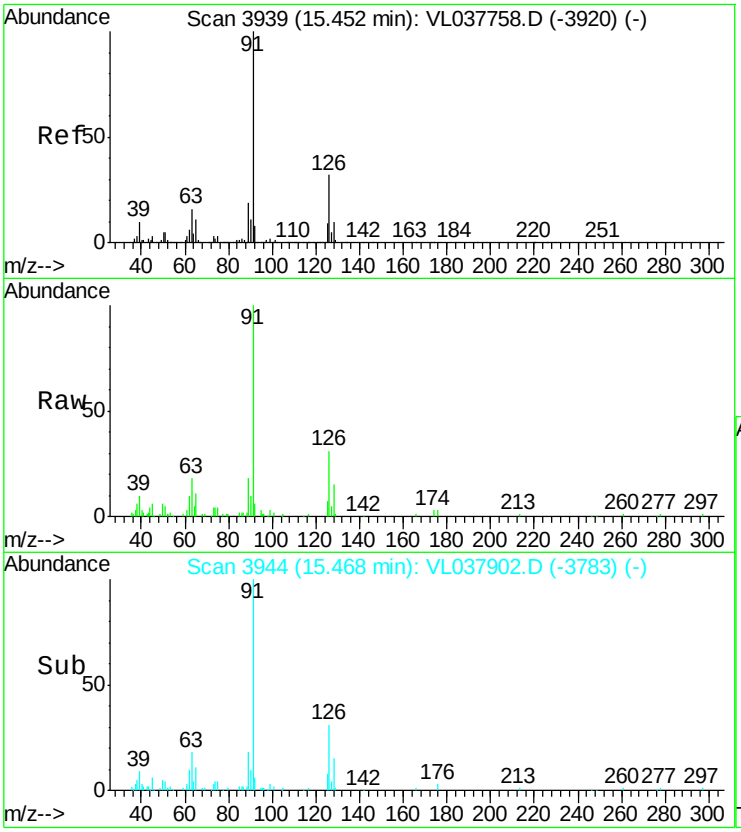


#70
n-Butylbenzene
Concen: 0.021 ppbv
RT: 18.57 min Scan# 4909
Delta R.T. 0.02 min
Lab File: VL037902.D
Acq: 25 Oct 2021 20:32

Tgt Ion: 91 Resp: 10669

Ion	Ratio	Lower	Upper
91	100		
92	674.9	43.4	65.0#
134	293.9	19.8	29.6#



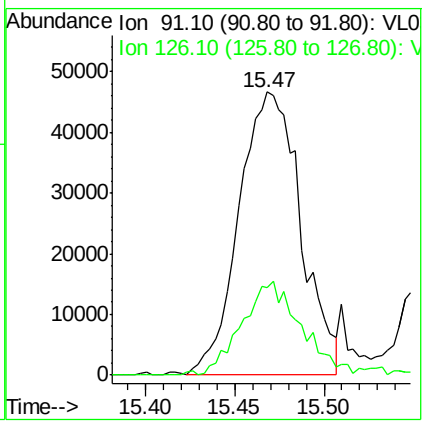


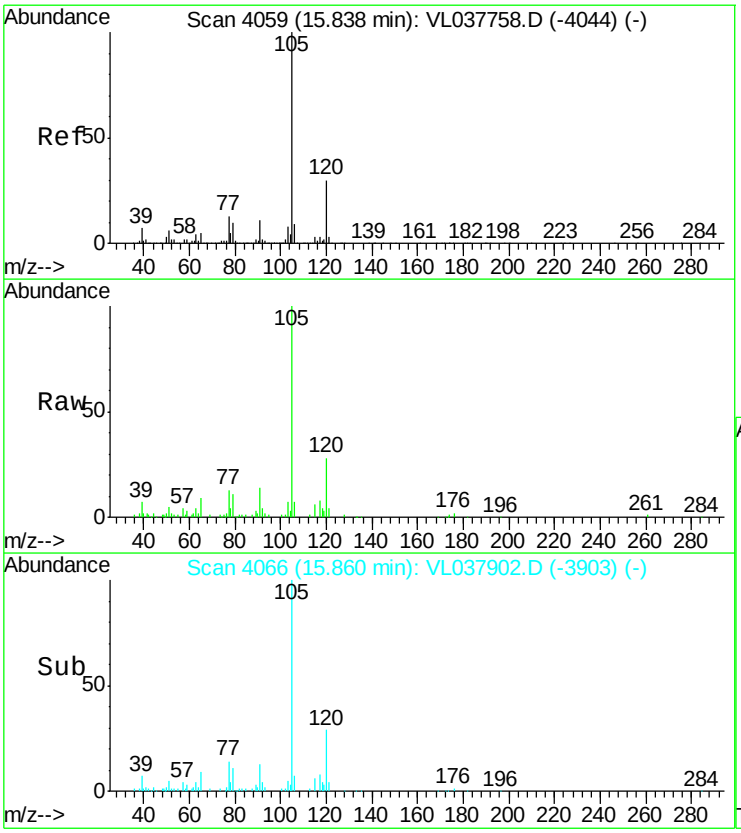
#71
2-Chlorotoluene
Concen: 0.288 ppbv
RT: 15.47
Delta R.T
Lab File:
Acq: 25 Oct 2021 20:32

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

Tgt Ion: 91 Resp: 112559

Ion	Ratio	Lower	Upper
91	100		
126	33.1	13.6	54.6

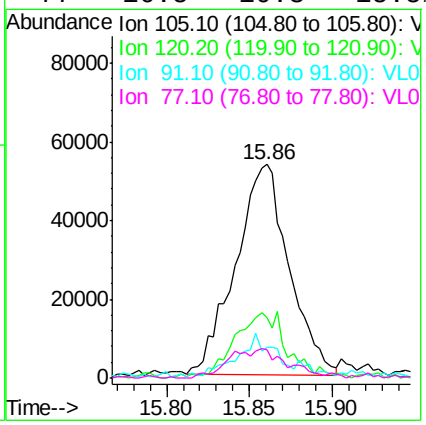


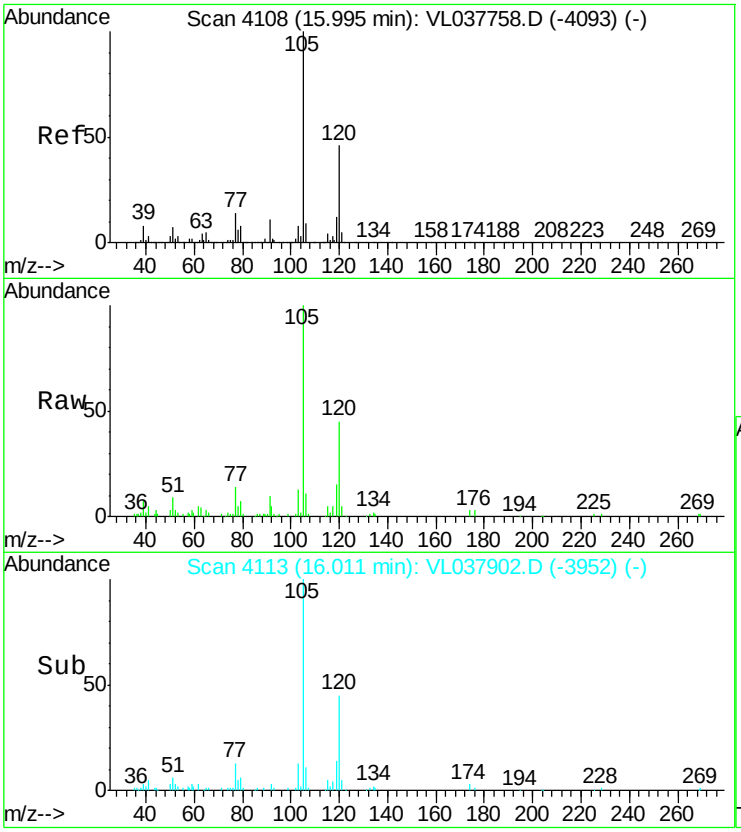


#72
4-Ethyltoluene
Concen: 0.266 ppbv
RT: 15.86 min Scan# 4066
Delta R.T. 0.02 min
Lab File: VL037902.D
Acq: 25 Oct 2021 20:32

Tgt Ion:105 Resp: 119690

Ion	Ratio	Lower	Upper
105	100		
120	31.8	24.2	36.2
91	18.2	10.4	15.6#
77	16.5	10.3	15.5#



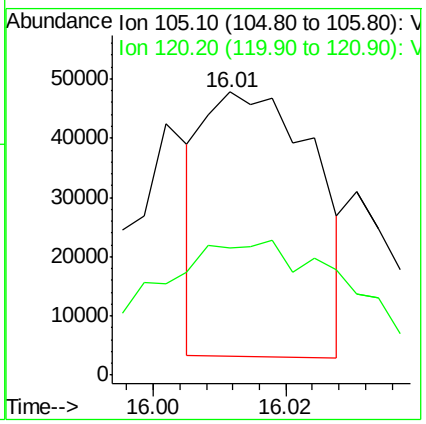


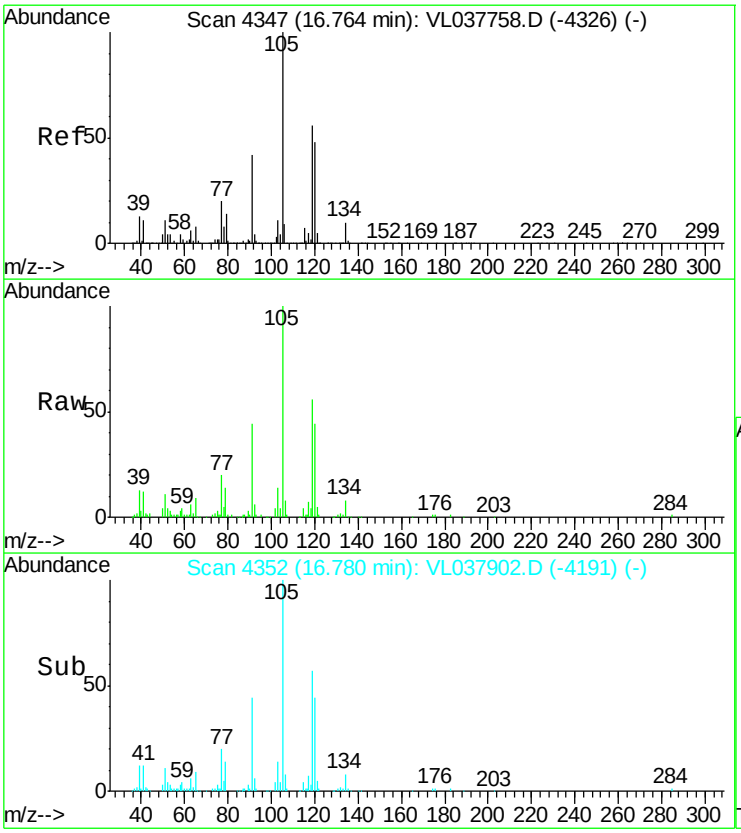
#73
1,3,5-Trimethylbenzene
Concen: 0.127 ppbv
RT: 16.01
Delta R.T
Lab File:
Acq: 25 Oct 2021 20:32

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

Tgt Ion:105 Resp: 51759

Ion	Ratio	Lower	Upper
105	100		
120	19.9	36.6	54.8#

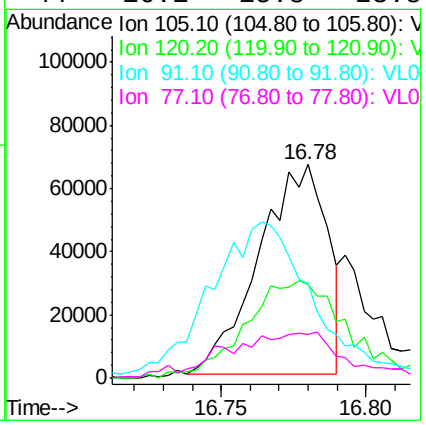


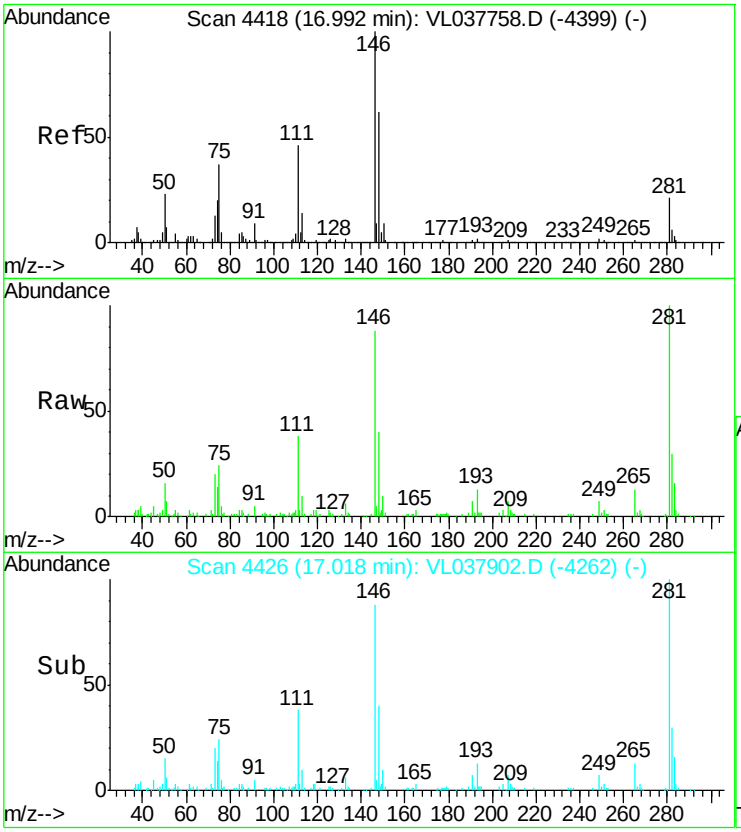


#74
1,2,4-Trimethylbenzene
Concen: 0.256 ppbv
RT: 16.78 min Scan# 4352
Delta R.T. 0.02 min
Lab File: VL037902.D
Acq: 25 Oct 2021 20:32

Tgt Ion:105 Resp: 109814

Ion	Ratio	Lower	Upper
105	100		
120	41.2	38.4	57.6
91	25.4	34.2	51.2#
77	16.1	15.8	23.8



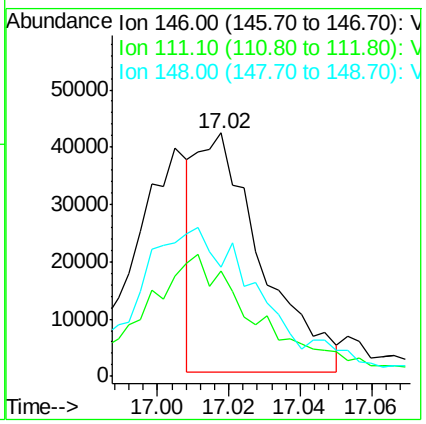


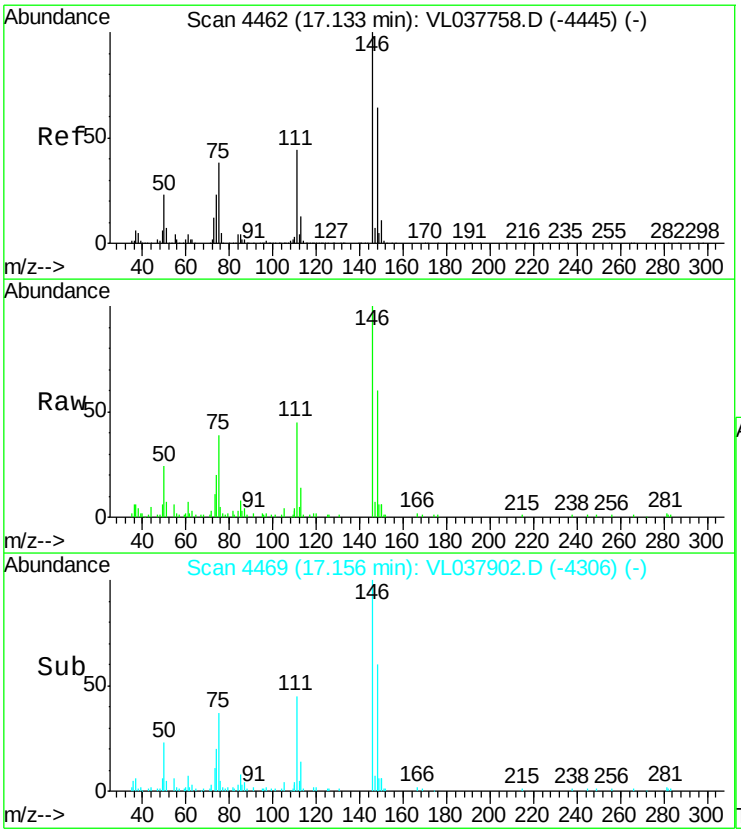
#75
1,3-Dichlorobenzene
Concen: 0.200 ppbv
RT: 17.02
Delta R.T
Lab File:
Acq: 25 Oct 2021 20:32

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

Tgt Ion:146 Resp: 53175

Ion	Ratio	Lower	Upper
146	100		
111	93.7	22.8	68.4#
148	122.0	32.8	98.3#

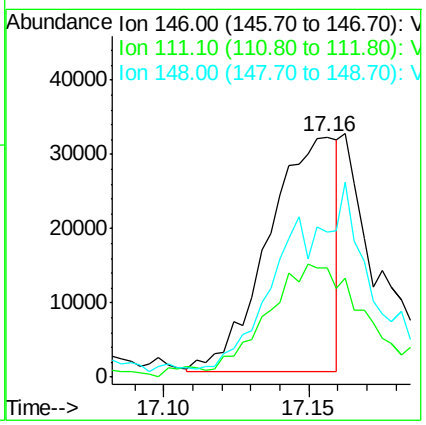


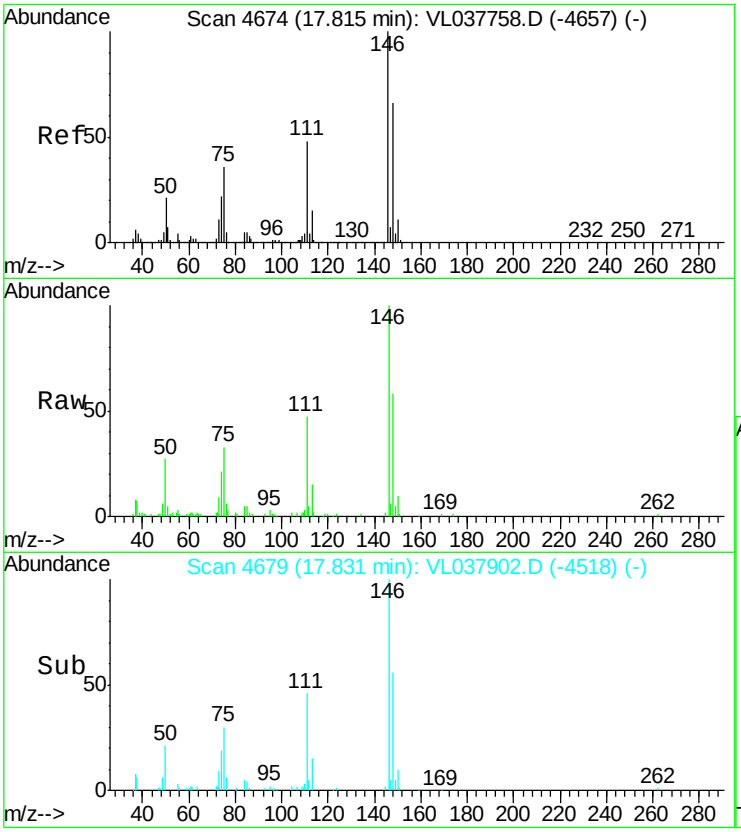


#76
1,4-Dichlorobenzene
Concen: 0.205 ppbv
RT: 17.16 min Scan# 4469
Delta R.T. 0.02 min
Lab File: VL037902.D
Acq: 25 Oct 2021 20:32

Tgt Ion:146 Resp: 52075

Ion	Ratio	Lower	Upper
146	100		
111	77.8	22.4	67.3#
148	0.0	33.3	99.9#



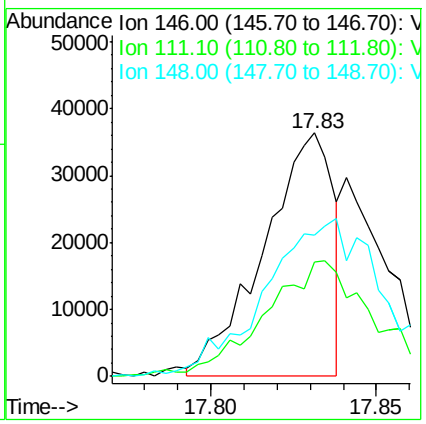


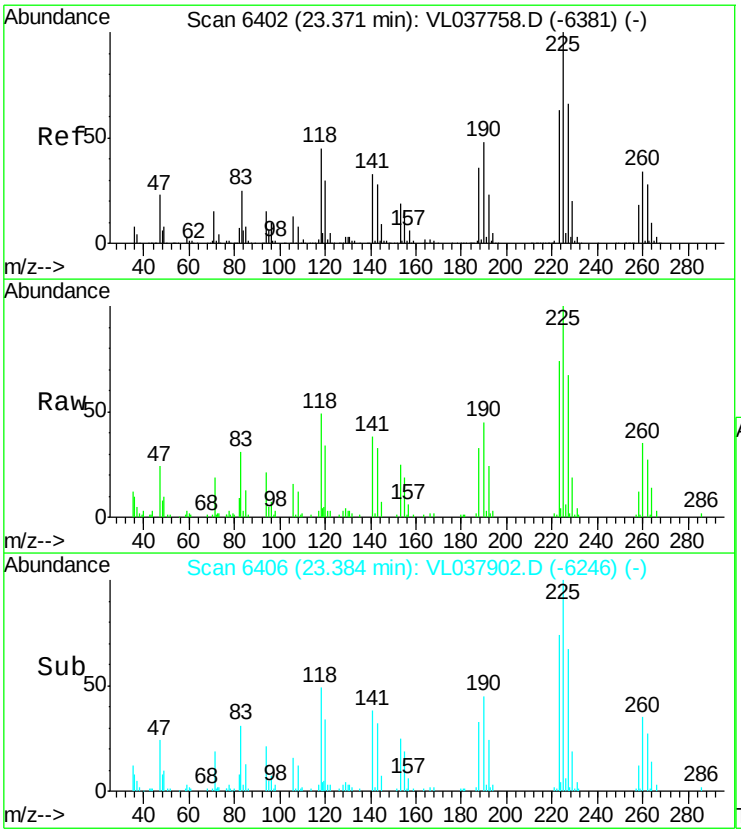
#77
1,2-Dichlorobenzene
Concen: 0.208 ppbv
RT: 17.83
Delta R.T
Lab File:
Acq: 25 Oct 2021 20:32

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

Tgt Ion:146 Resp: 53113

Ion	Ratio	Lower	Upper
146	100		
111	0.0	23.6	70.8#
148	0.0	32.9	98.6#

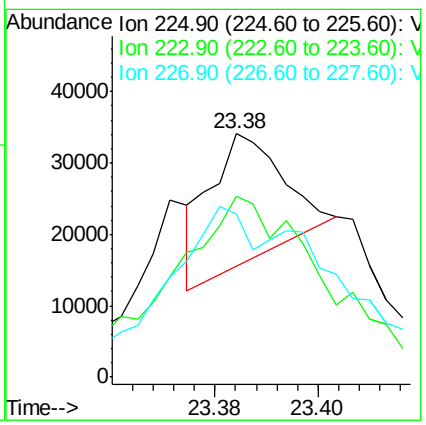


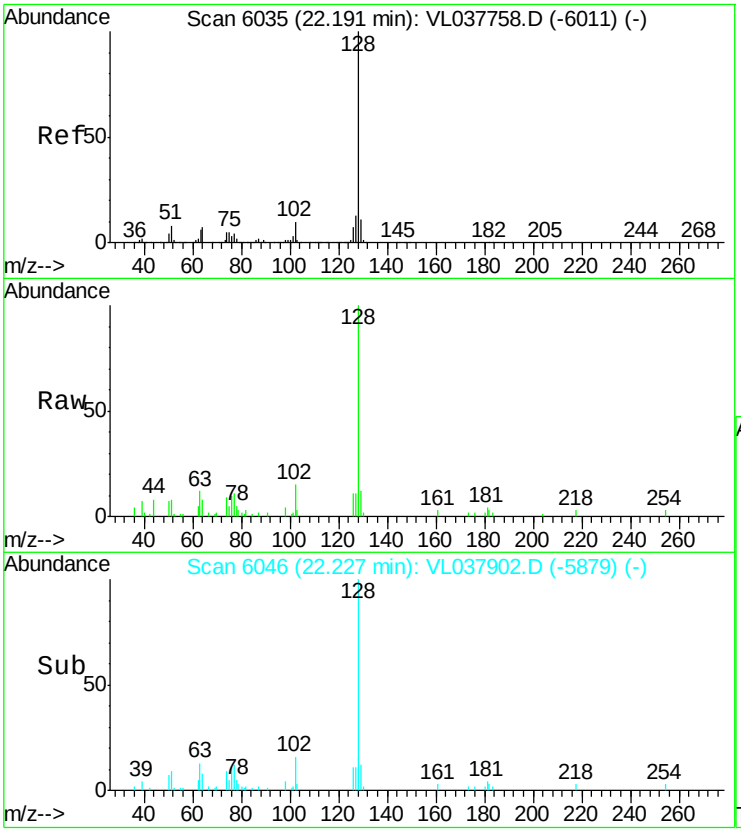


#78
Hexachloro-1,3-Butadiene
Concen: 0.086 ppbv
RT: 23.38 min Scan# 6406
Delta R.T. 0.01 min
Lab File: VL037902.D
Acq: 25 Oct 2021 20:32

Tgt Ion:225 Resp: 17977

Ion	Ratio	Lower	Upper
225	100		
223	325.2	51.2	76.8#
227	328.0	51.1	76.7#



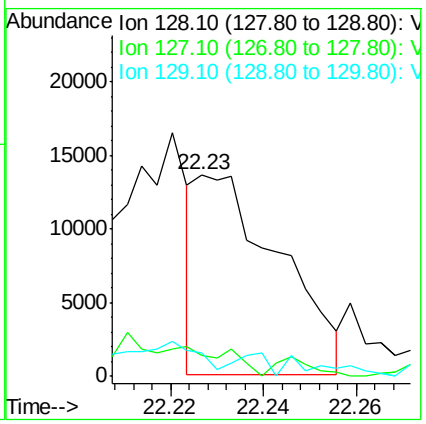


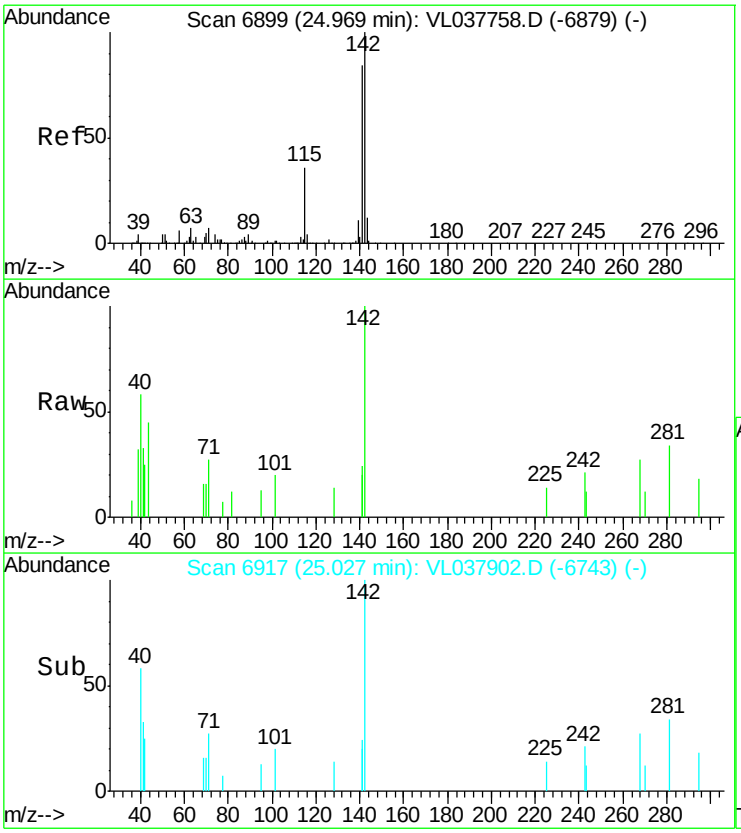
#79
Naphthalene
Concen: 0.064 ppbv
RT: 22.23
Delta R.T
Lab File:
Acq: 25 Oct 2021 20:32

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

Tgt Ion:128 Resp: 16890

Ion	Ratio	Lower	Upper
128	100		
127	10.6	10.1	15.1
129	10.1	9.1	13.7

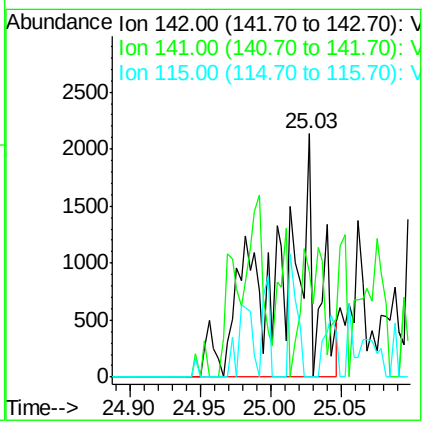


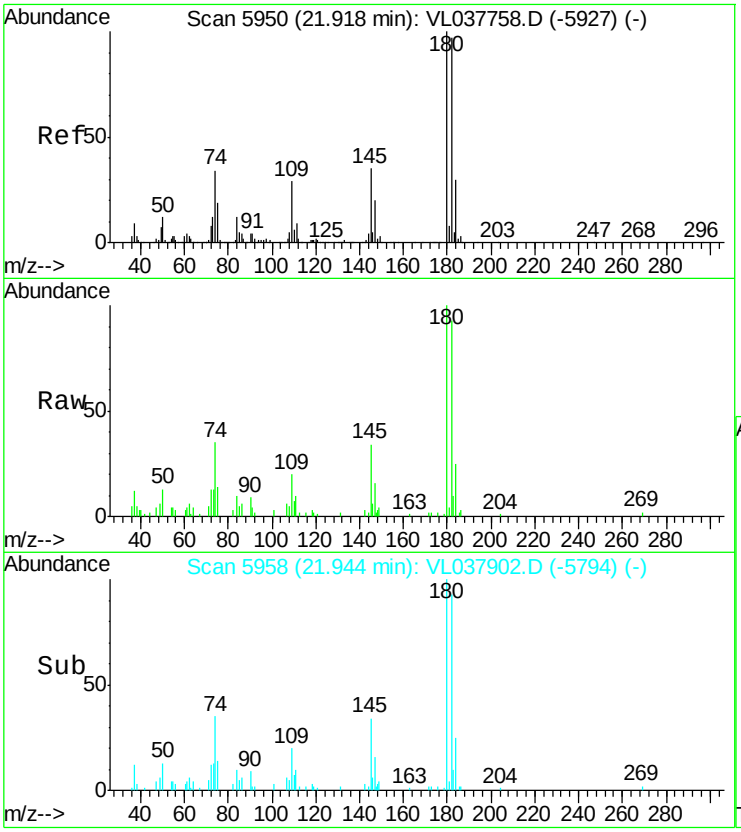


#80
Naphthalene,2-methyl-
Concen: 0.059 ppbv
RT: 25.03 min Scan# 6917
Delta R.T. 0.06 min
Lab File: VL037902.D
Acq: 25 Oct 2021 20:32

Tgt Ion:142 Resp: 4174

Ion	Ratio	Lower	Upper
142	100		
141	63.8	68.6	102.8#
115	28.5	29.0	43.6#





#81
1,2,4-Trichlorobenzene
Concen: 0.064 ppbv
RT: 21.94
Delta R.T
Lab File:
Acq: 25 Oct 2021 20:32

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

Tgt Ion:180 Resp: 10842

Ion	Ratio	Lower	Upper
180	100		
182	406.5	77.6	116.4#
184	134.1	25.0	37.4#