Quantitation Report (Not Reviewed)

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_L\DATA\VL070522\
Data File : VL039436.D
Acq On : 6 Jul 2022 2:26
Operator : SY/AP
Sample : N3214-15 0.40
Misc : 400mL/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_L
ClientSampleId :
MDL-AIR-03-QT2-2022

Quant Time: Jul 06 06:20:07 2022
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL062922AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LWed Jul 06 02:15:38 2022
QLast Update : Wed Jul 06 02:15:38 2022
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
1) Bromochloromethane	5.68	49	1085508	10.00	ppbv		0.03
33) 1,4-Difluorobenzene	7.19	114	3069346	10.00	ppbv		0.03
55) Chlorobenzene-d5	12.09	117	2769043	10.00	ppbv		0.03
System Monitoring Compounds							
68) 1-Bromo-4-Fluorobenzene	14.42	95	2100265	10.22	ppbv		0.03
Spiked Amount 10.000	Range 65 - 135		Recovery = 102.20%				
Target Compounds							Qvalue
2) Dichlorodifluoromethane	3.06	85	105668	0.675	ppbv		98
3) Chlorodifluoromethane	3.00	51	66562	0.483	ppbv		99
4) Chloromethane	3.16	50	36322	0.482	ppbv	#	86
5) Vinyl Chloride	3.28	62	29691	0.400	ppbv		97
6) Bromomethane	3.49	94	13008	0.416	ppbv	#	74
7) Chloroethane	3.57	64	6412	0.243	ppbv		95
8) Dichlorotetrafluoroethane	3.20	85	87263	0.510	ppbv		98
9) Propene	3.03	41	32407	0.521	ppbv		99
10) Heptane	8.14	43	59704	0.410	ppbv		99
11) Trichlorofluoromethane	3.96	101	85876	0.492	ppbv		84
12) 1,1,2-Trichlorotrifluoroet	4.50	101	64775	0.498	ppbv		98
13) Ethanol	3.62	45	968	0.268	ppbv	#	23
14) Bromoethene	3.75	108	14391	0.263	ppbv	#	20
15) Acetone	3.88	43	68546	0.534	ppbv	#	85
16) 1,3-Butadiene	3.34	39	32396	0.486	ppbv		99
18) 1,1-Dichloroethene	4.30	96	26290	0.446	ppbv	#	75
19) Isopropyl Alcohol	3.99	45	21280	0.311	ppbv		98
20) Methylene Chloride	4.36	84	29594	0.578	ppbv	#	92
21) Allyl Chloride	4.43	41	36498	0.410	ppbv	#	83
22) trans-1,2-Dichloroethene	4.90	96	5214	0.091	ppbv	#	1
23) Vinyl Acetate	5.09	43	9025	0.105	ppbv	#	86
24) 1,1-Dichloroethane	5.02	63	66038	0.545	ppbv	#	96
25) Ethyl Acetate	5.70	43	116097	0.441	ppbv		97
26) Hexane	5.70	57	49877	0.470	ppbv	#	86
27) Carbon Disulfide	4.56	76	30228	0.236	ppbv	#	64
28) Methyl tert-Butyl Ether	5.06	73	51287	0.452	ppbv		93
29) Chloroform	5.76	83	86648	0.469	ppbv		91
30) Cyclohexane	7.14	84	22006	0.228	ppbv	#	1
31) cis-1,2-Dichloroethene	5.56	61	40857	0.363	ppbv		98
32) 1,1,1-Trichloroethane	6.53	97	78016	0.428	ppbv		97
34) 2-Butanone	5.27	43	49134	0.318	ppbv	#	78
35) Carbon Tetrachloride	7.03	117	38999	0.206	ppbv		97
36) Benzene	6.90	78	60515	0.255	ppbv	#	96
37) 1,2-Dichloroethane	6.32	62	60935	0.435	ppbv	#	96
38) Trichloroethene	7.85	130	26050	0.203	ppbv		93
39) 1,2-Dichloropropane	7.62	63	29418	0.331	ppbv	#	83
40) 1,4-Dioxane	7.86	88	1713	0.048	ppbv	#	1
41) Tetrahydrofuran	6.09	42	19704	0.220	ppbv	#	54
42) Bromodichloromethane	7.81	83	73144	0.387	ppbv	#	92
43) Methyl Methacrylate	8.03	69	13290	0.147	ppbv	#	1
44) 2,2,4-Trimethylpentane	7.88	57	109081	0.271	ppbv	#	59

Quantitation Report (Not Reviewed)

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_L\DATA\VL070522\
Data File : VL039436.D
Acq On : 6 Jul 2022 2:26
Operator : SY/AP
Sample : N3214-15 0.40
Misc : 400mL/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_L
ClientSampleId : MDL-AIR-03-QT2-2022

Quant Time: Jul 06 06:20:07 2022
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL062922AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LWed Jul 06 02:15:38 2022
QLast Update : Wed Jul 06 02:15:38 2022
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
45) t-1,3-Dichloropropene	9.30	75	8292	0.103	ppbv		98
46) cis-1,3-Dichloropropene	8.72	75	33808	0.305	ppbv		90
47) 1,1,2-Trichloroethane	9.49	97	10031	0.101	ppbv		91
48) Dibromochloromethane	10.32	129	35096	0.222	ppbv	#	46
49) Bromoform	13.06	173	17256	0.135	ppbv	#	1
50) 4-Methyl-2-Pentanone	8.78	43	71663	0.307	ppbv		99
51) 2-Hexanone	10.17	43	21682	0.123	ppbv	#	2
52) Tetrachloroethene	11.25	164	7009	0.073	ppbv		85
53) Toluene	9.83	91	13613	0.050	ppbv	#	21
54) 1,2-Dibromoethane	10.63	107	48455	0.391	ppbv		95
56) 1,1,1,2-Tetrachloroethane	12.14	131	17413	0.142	ppbv	#	9
57) Chlorobenzene	12.15	112	56833	0.265	ppbv	#	71
58) Ethyl Benzene	12.73	91	136216	0.381	ppbv		95
59) m/p-Xylene	13.00	91	45599	0.145	ppbv	#	1
60) o-Xylene	13.70	91	120184	0.403	ppbv		98
61) Styrene	13.54	104	27442	0.170	ppbv	#	30
62) Isopropylbenzene	14.67	105	188944	0.416	ppbv		99
63) 1,1,2,2-Tetrachloroethane	13.69	83	46366	0.296	ppbv	#	56
64) n-propylbenzene	15.57	120	28507	0.247	ppbv	#	1
65) tert-Butylbenzene	16.75	119	163031	0.388	ppbv		92
66) Benzyl Chloride	17.00	91	3247	0.081	ppbv	#	63
67) sec-Butylbenzene	17.30	105	229938	0.406	ppbv		99
69) p-Isopropyltoluene	17.66	119	176071	0.367	ppbv		94
70) n-Butylbenzene	18.56	91	170754	0.366	ppbv		96
72) 4-Ethyltoluene	15.85	105	59726	0.170	ppbv	#	49
73) 1,3,5-Trimethylbenzene	16.01	105	113366	0.352	ppbv		91
74) 1,2,4-Trimethylbenzene	16.77	105	137911	0.387	ppbv	#	85
75) 1,3-Dichlorobenzene	17.01	146	56519	0.266	ppbv	#	30
76) 1,4-Dichlorobenzene	17.15	146	72995	0.346	ppbv		86
77) 1,2-Dichlorobenzene	17.83	146	82933	0.393	ppbv		92
78) Hexachloro-1,3-Butadiene	23.38	225	50381	0.297	ppbv	#	53
79) Naphthalene	22.22	128	66748	0.272	ppbv		99
80) Naphthalene,2-methyl-	24.98	142	5301	0.063	ppbv	#	76
81) 1,2,4-Trichlorobenzene	21.94	180	28168	0.176	ppbv	#	12

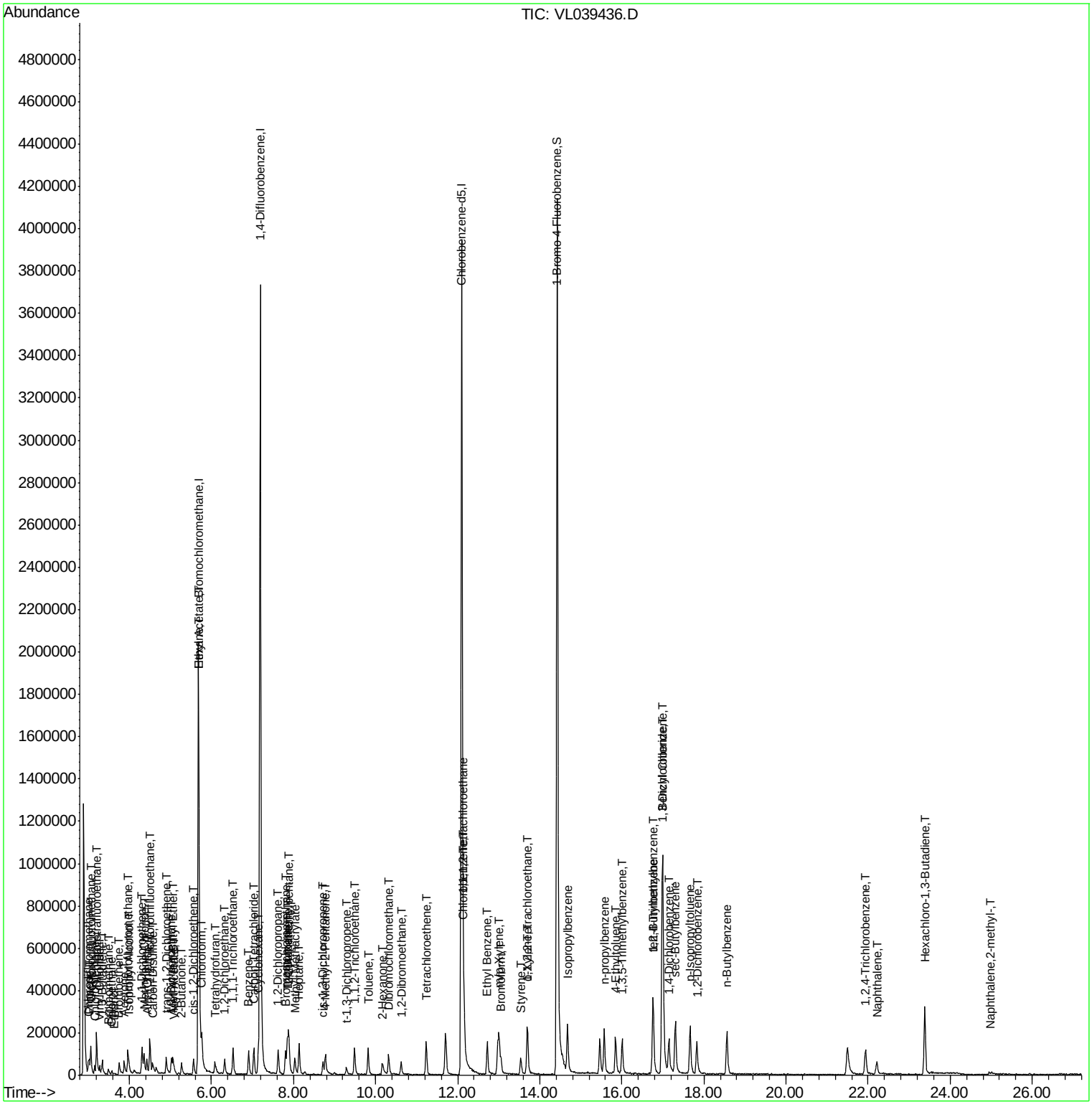
(#) = qualifier out of range (m) = manual integration (+) = signals summed

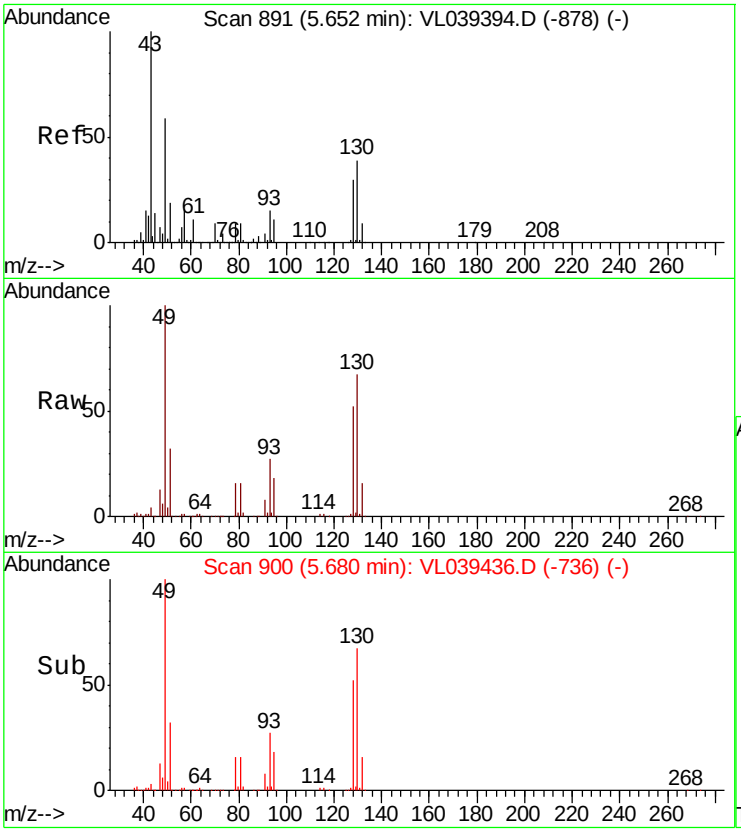
Quantitation Report (Not Reviewed)

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_L\DATA\VL070522\
Data File : VL039436.D
Acq On : 6 Jul 2022 2:26
Operator : SY/AP
Sample : N3214-15 0.40
Misc : 400mL/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_L
ClientSampleId :
MDL-AIR-03-QT2-2022

Quant Time: Jul 06 06:20:07 2022
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL062922AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LWed Jul 06 02:15:38 2022
QLast Update : Wed Jul 06 02:15:38 2022
Response via : Initial Calibration



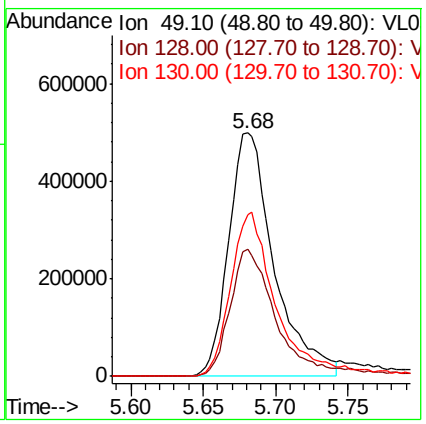


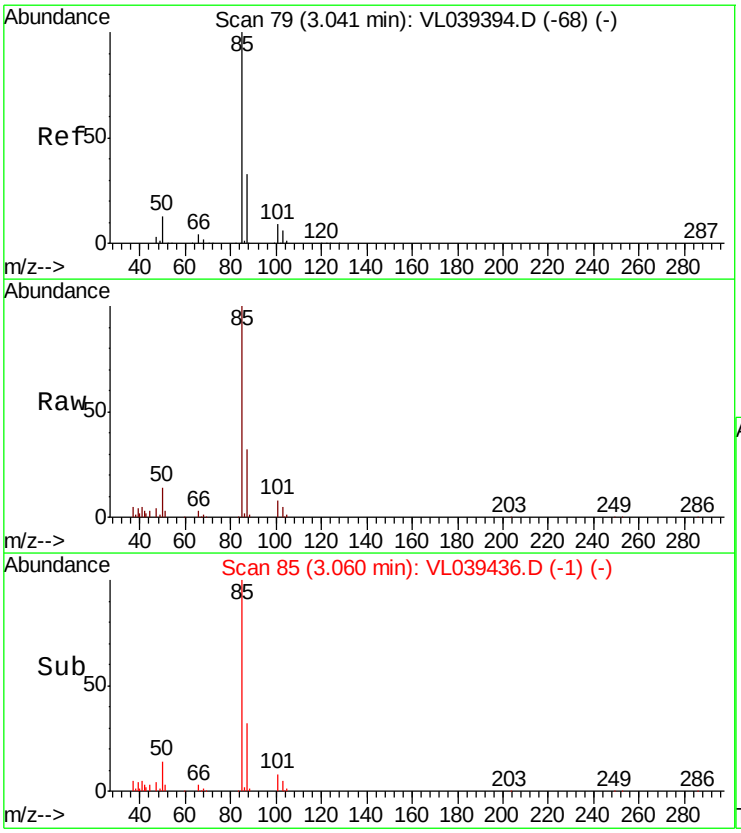
#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 5.68
Delta R.T
Lab File:
Acq: 6 Jul 2022 2:26

Instrument :
MSVOA_L
ClientSampleId :
MDL-AIR-03-QT2-2022

Tgt Ion: 49 Resp: 1085508

Ion	Ratio	Lower	Upper
49	100		
128	56.1	26.7	80.0
130	69.9	34.3	102.8

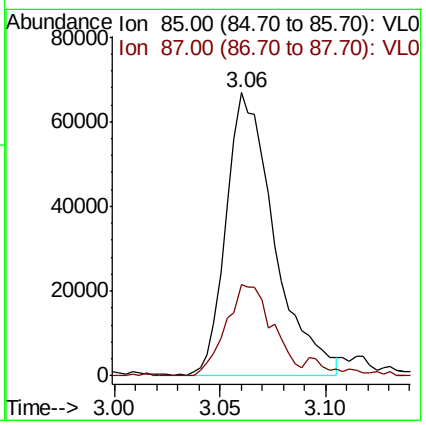


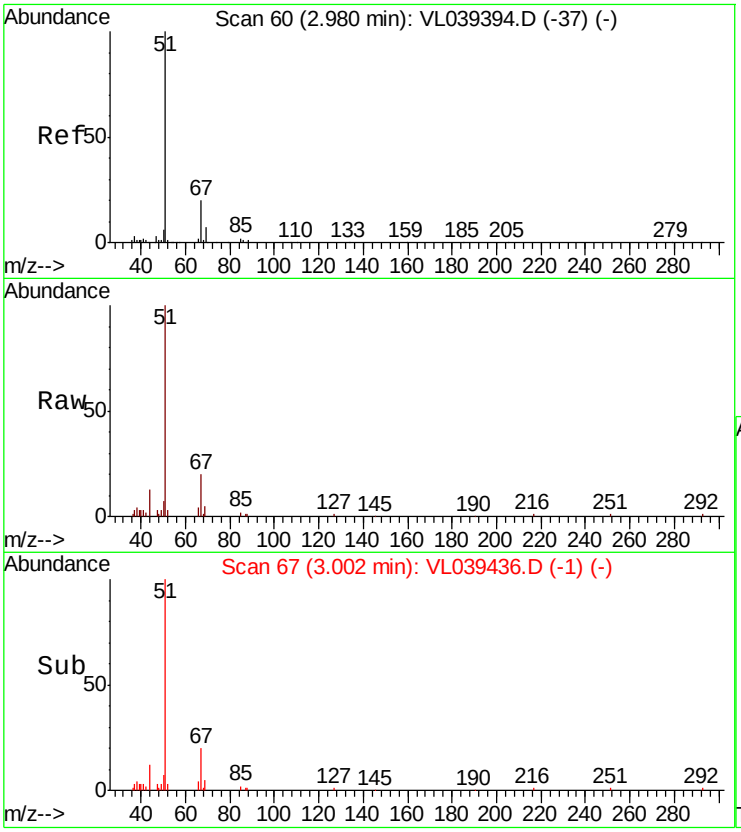


#2
Dichlorodifluoromethane
Concen: 0.675 ppbv
RT: 3.06 min Scan# 85
Delta R.T. 0.02 min
Lab File: VL039436.D
Acq: 6 Jul 2022 2:26

Tgt Ion: 85 Resp: 105668

Ion	Ratio	Lower	Upper
85	100		
87	32.3	26.7	40.1



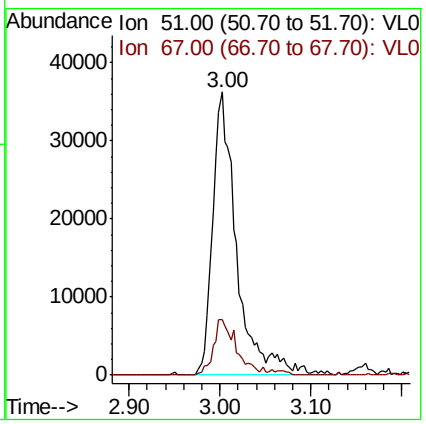


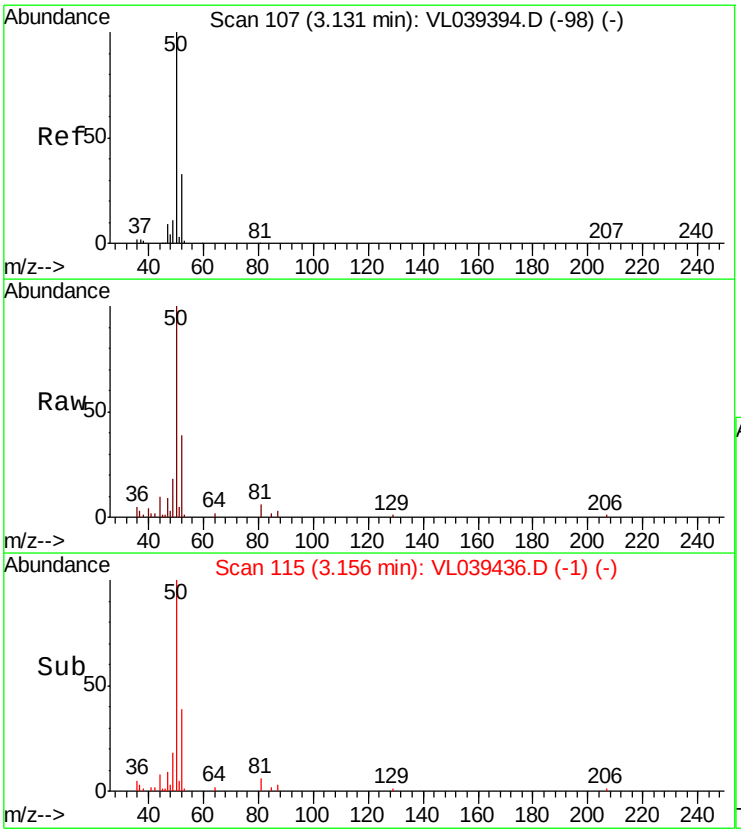
#3
Chlorodifluoromethane
Concen: 0.483 ppbv
RT: 3.00
Delta R.T
Lab File:
Acq: 6 Jul 2022 2:26

Instrument :
MSVOA_L
ClientSampleId :
MDL-AIR-03-QT2-2022

Tgt Ion: 51 Resp: 66562

Ion	Ratio	Lower	Upper
51	100		
67	19.9	15.7	23.5

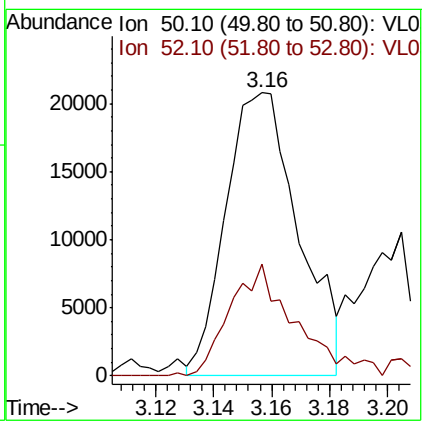


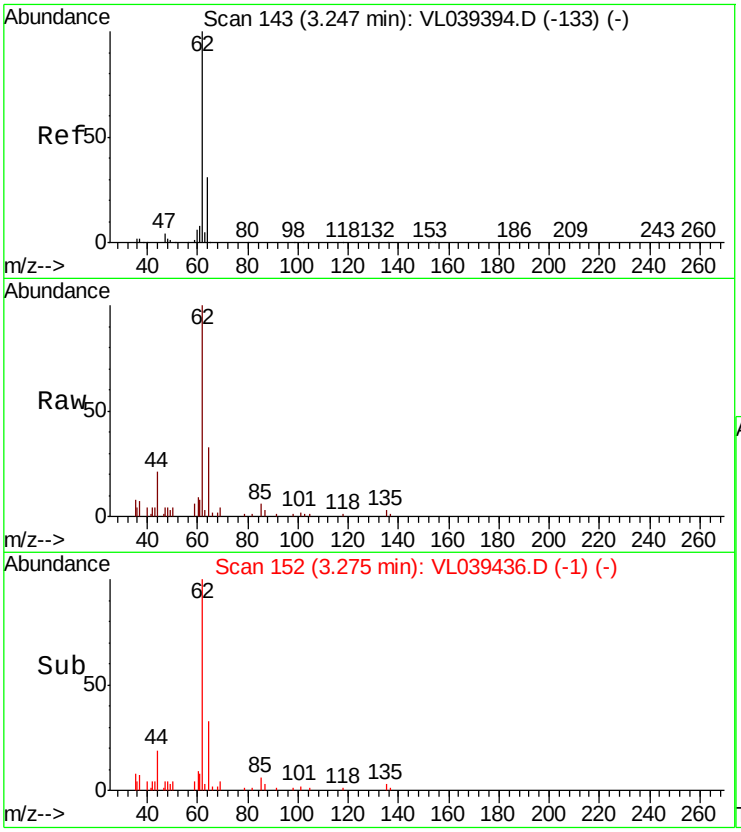


#4
Chloromethane
Concen: 0.482 ppbv
RT: 3.16 min Scan# 115
Delta R.T. 0.03 min
Lab File: VL039436.D
Acq: 6 Jul 2022 2:26

Tgt Ion: 50 Resp: 36322

Ion	Ratio	Lower	Upper
50	100		
52	40.9	26.5	39.7#



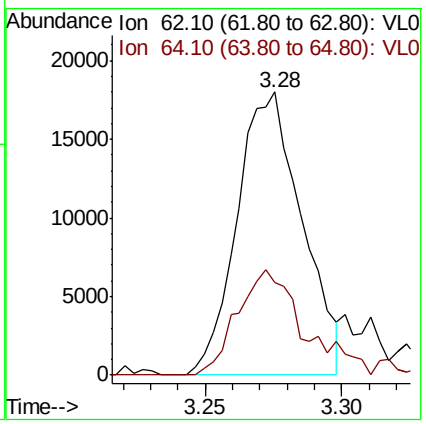


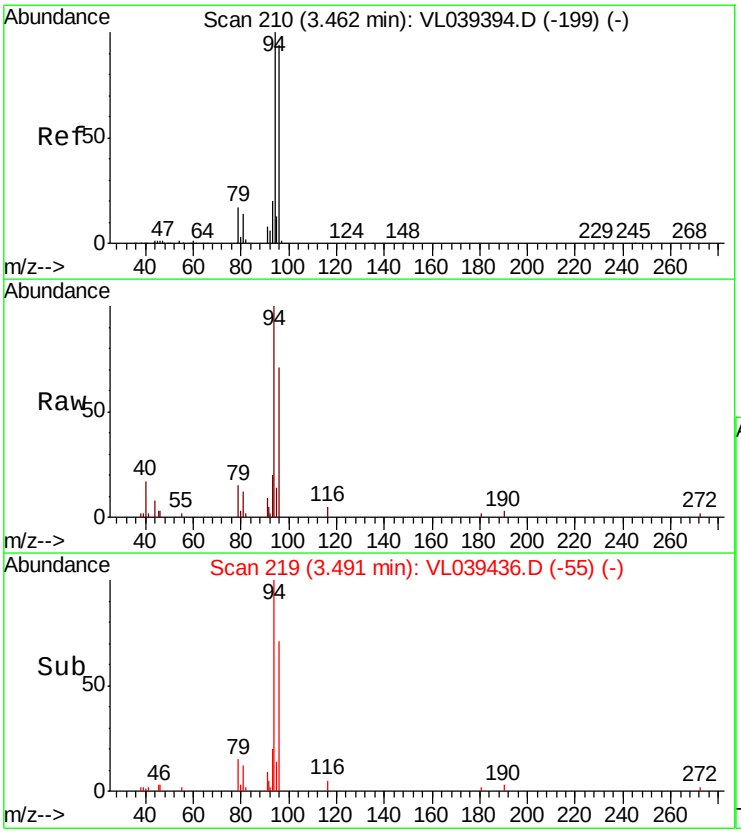
#5
Vinyl Chloride
Concen: 0.400 ppbv
RT: 3.28
Delta R.T
Lab File:
Acq: 6 Jul 2022 2:26

Instrument :
MSVOA_L
ClientSampleId :
MDL-AIR-03-QT2-2022

Tgt Ion: 62 Resp: 29691

Ion	Ratio	Lower	Upper
62	100		
64	32.5	24.6	36.8

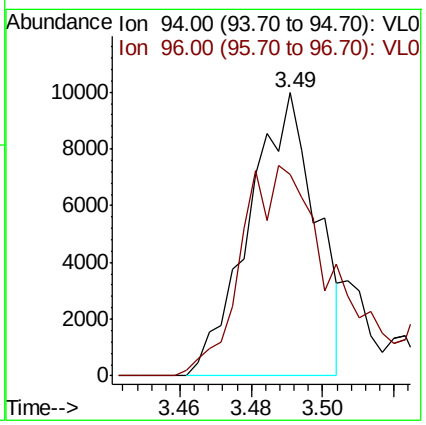


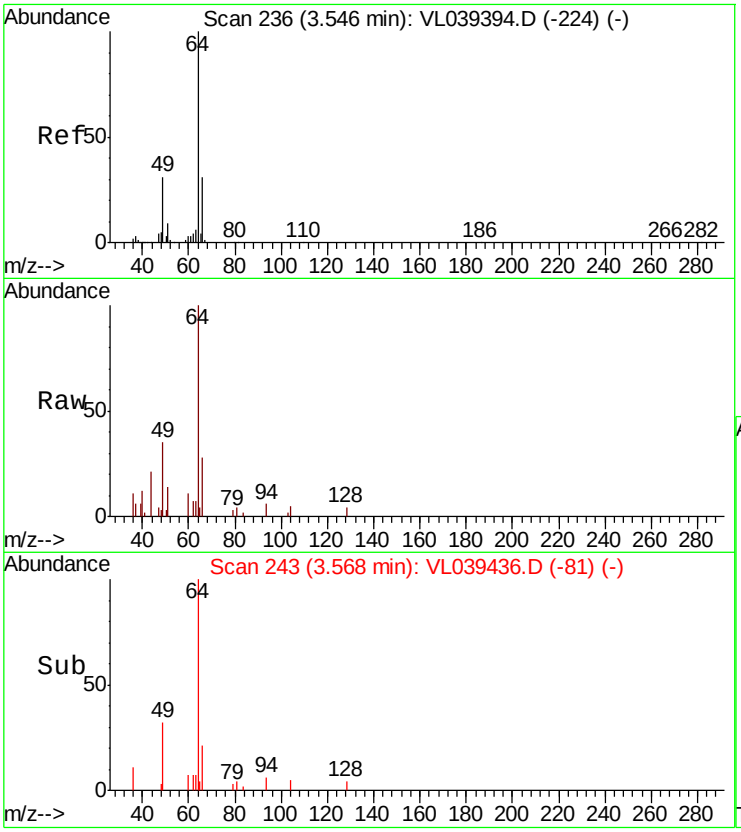


#6
Bromomethane
Concen: 0.416 ppbv
RT: 3.49 min Scan# 219
Delta R.T. 0.03 min
Lab File: VL039436.D
Acq: 6 Jul 2022 2:26

Tgt Ion: 94 Resp: 13008

Ion	Ratio	Lower	Upper
94	100		
96	68.8	75.6	113.4#



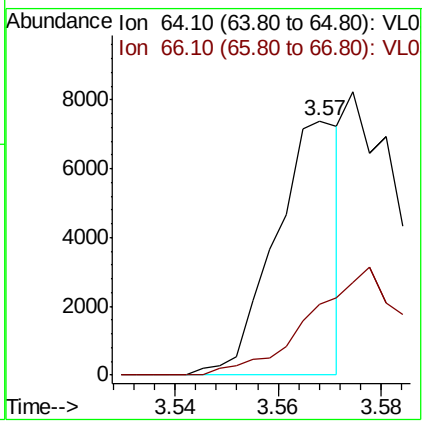


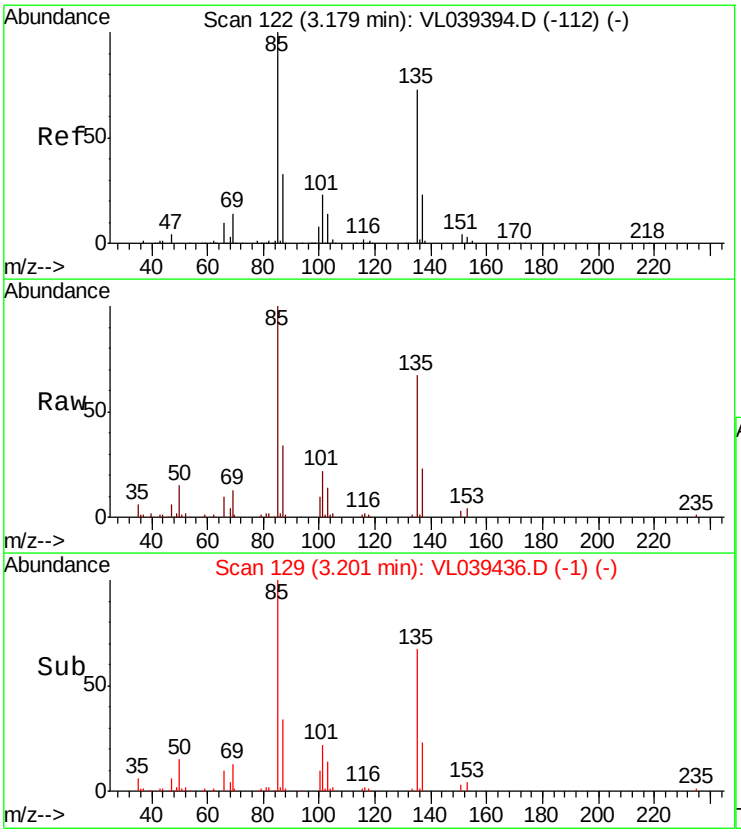
#7
Chloroethane
Concen: 0.243 ppbv
RT: 3.57
Delta R.T
Lab File:
Acq: 6 Jul 2022 2:26

Instrument :
MSVOA_L
ClientSampleId :
MDL-AIR-03-QT2-2022

Tgt Ion: 64 Resp: 6412

Ion	Ratio	Lower	Upper
64	100		
66	28.0	24.7	37.1

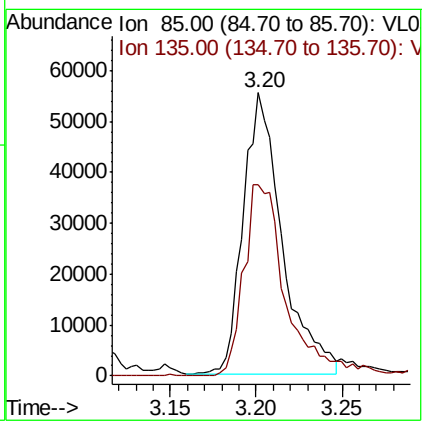


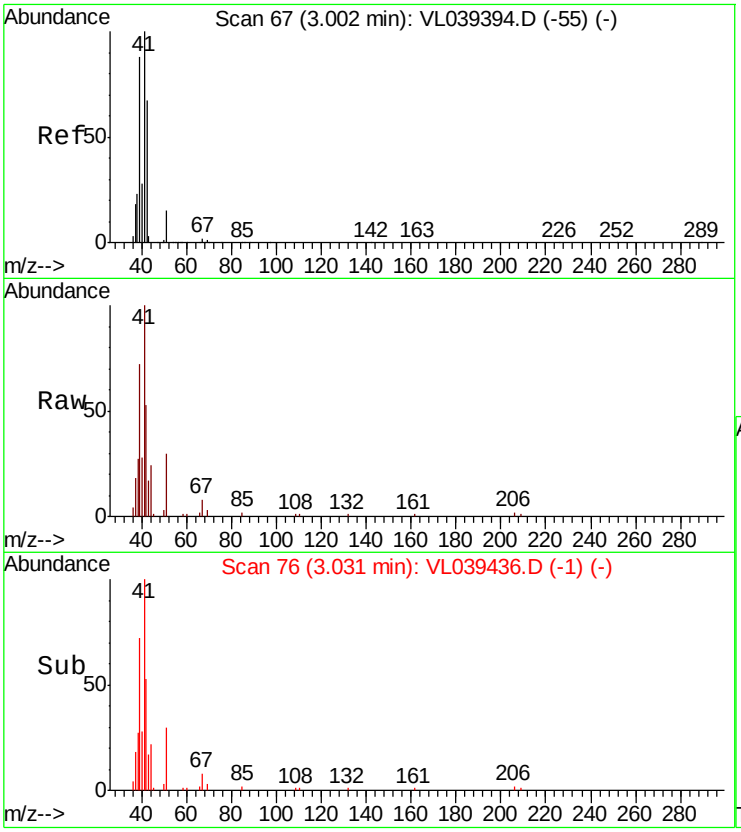


#8
Dichlorotetrafluoroethane
Concen: 0.510 ppbv
RT: 3.20 min Scan# 129
Delta R.T. 0.02 min
Lab File: VL039436.D
Acq: 6 Jul 2022 2:26

Tgt Ion: 85 Resp: 87263

Ion	Ratio	Lower	Upper
85	100		
135	75.1	59.0	88.4



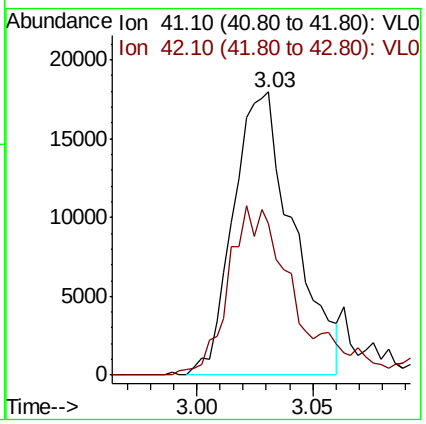


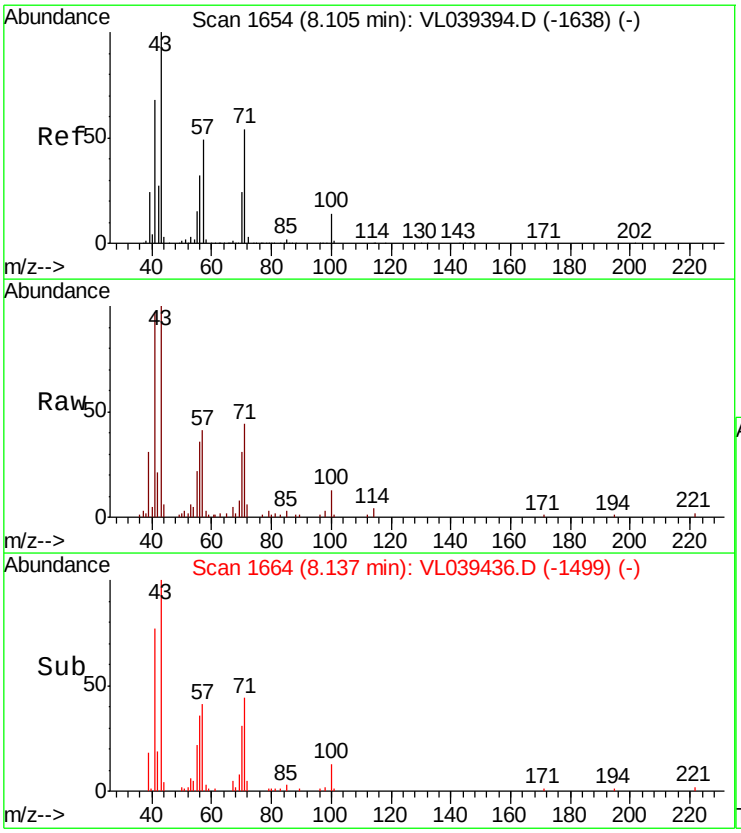
#9
Propene
Concen: 0.521 ppbv
RT: 3.03
Delta R.T
Lab File:
Acq: 6 Jul 2022 2:26

Instrument :
MSVOA_L
ClientSampleId :
MDL-AIR-03-QT2-2022

Tgt Ion: 41 Resp: 32407

Ion	Ratio	Lower	Upper
41	100		
42	67.9	55.2	82.8

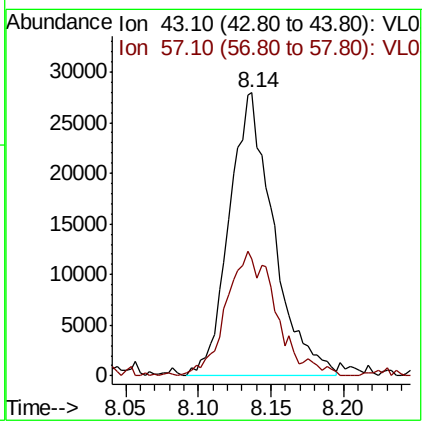


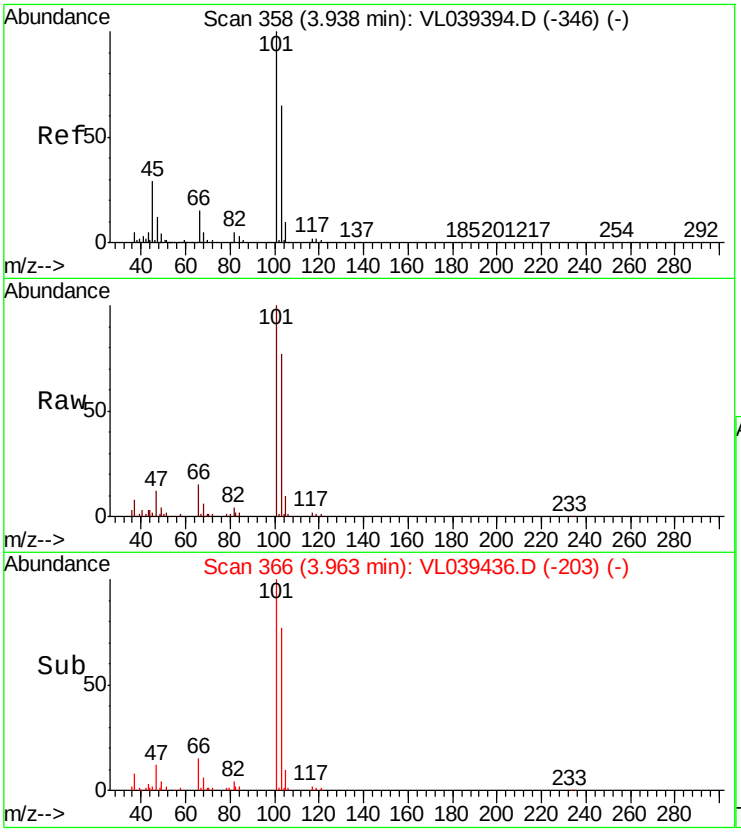


#10
Heptane
Concen: 0.410 ppbv
RT: 8.14 min Scan# 1664
Delta R.T. 0.03 min
Lab File: VL039436.D
Acq: 6 Jul 2022 2:26

Tgt Ion: 43 Resp: 59704

Ion	Ratio	Lower	Upper
43	100		
57	49.7	40.5	60.7



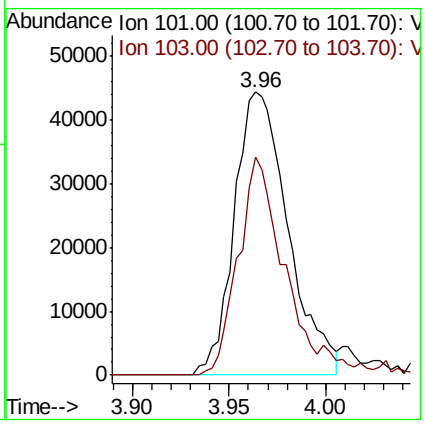


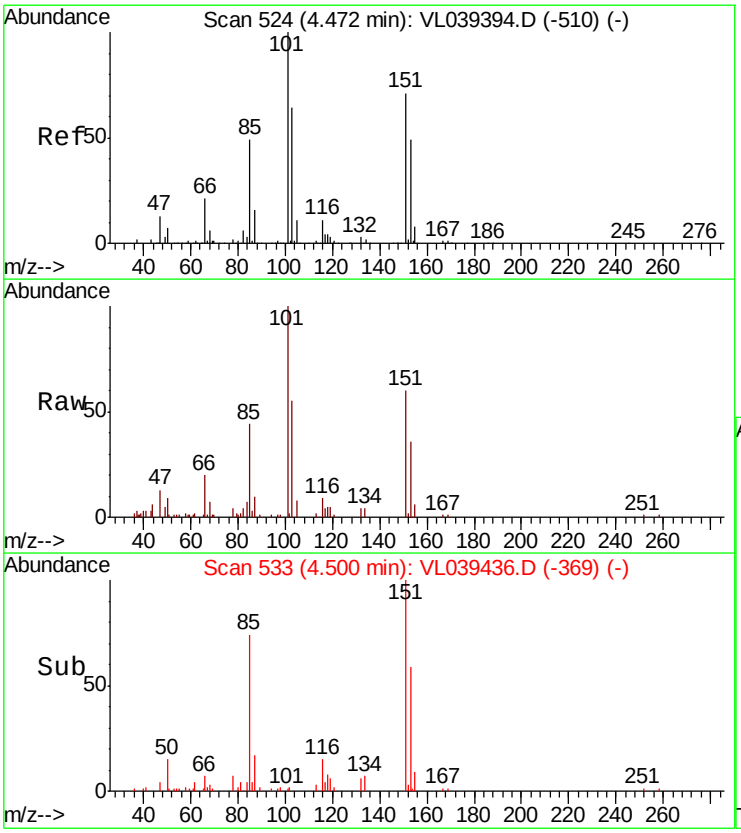
#11
Trichlorofluoromethane
Concen: 0.492 ppbv
RT: 3.96
Delta R.T
Lab File:
Acq: 6 Jul 2022 2:26

Instrument :
MSVOA_L
ClientSampleId :
MDL-AIR-03-QT2-2022

Tgt Ion:101 Resp: 85876

Ion	Ratio	Lower	Upper
101	100		
103	77.0	51.8	77.8

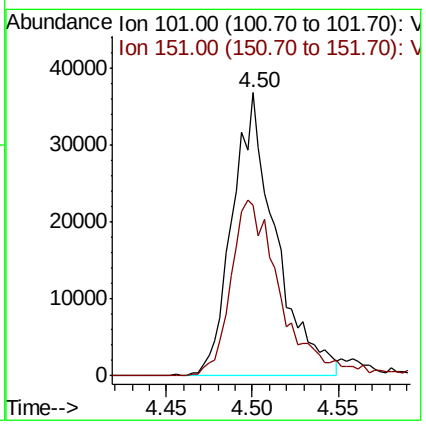


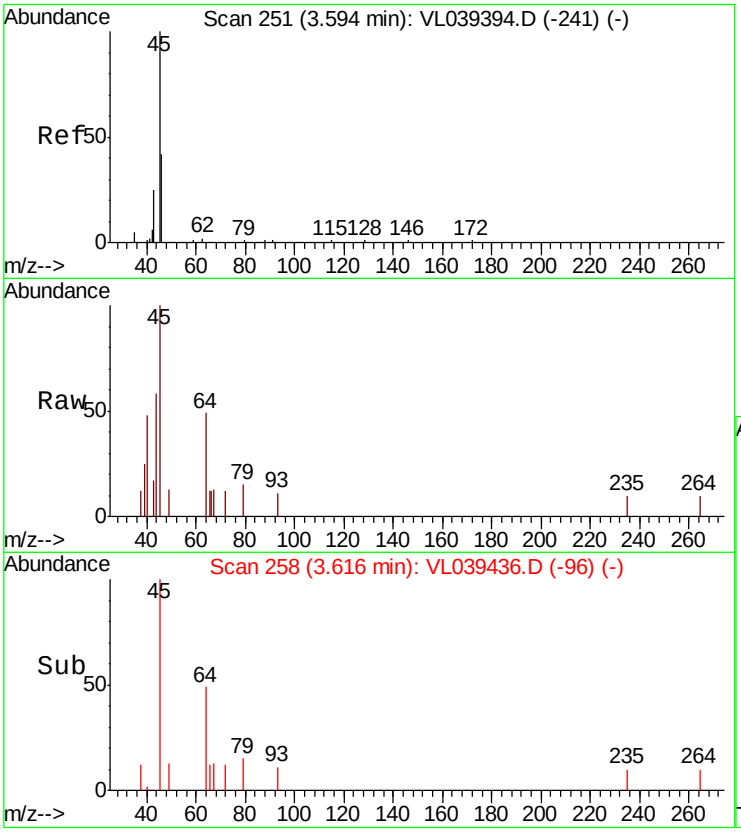


#12
1,1,2-Trichlorotrifluoroethane
Concen: 0.498 ppbv
RT: 4.50 min Scan# 533
Delta R.T. 0.03 min
Lab File: VL039436.D
Acq: 6 Jul 2022 2:26

Tgt Ion:101 Resp: 64775

Ion	Ratio	Lower	Upper
101	100		
151	72.0	58.9	88.3



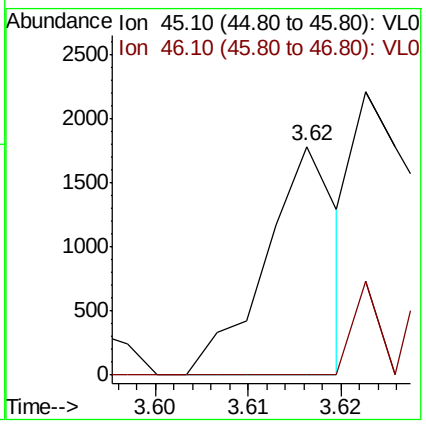


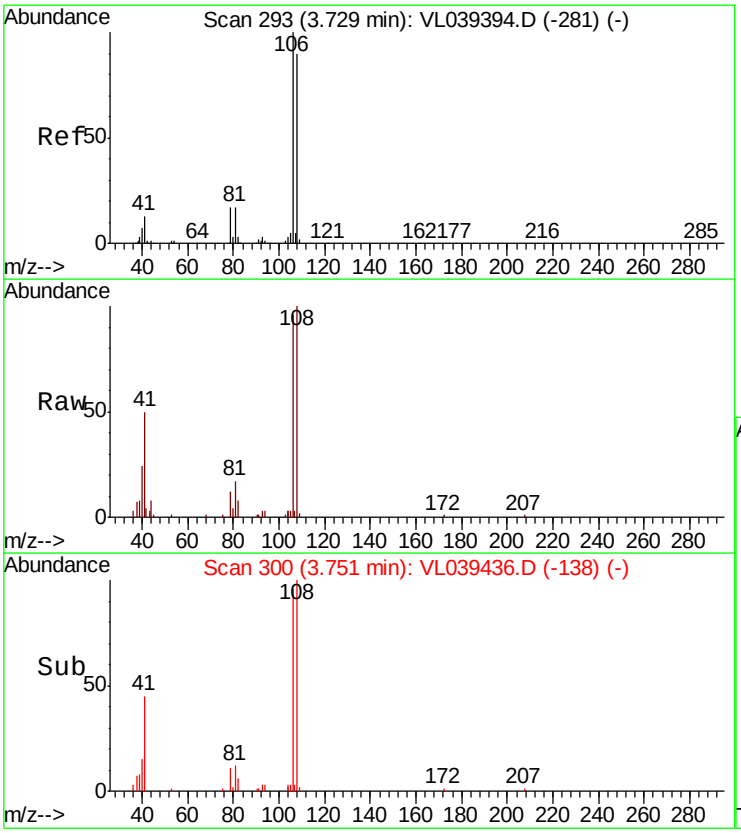
#13
Ethanol
Concen: 0.268 ppbv
RT: 3.62
Delta R.T
Lab File:
Acq: 6 Jul 2022 2:26

Instrument :
MSVOA_L
ClientSampleId :
MDL-AIR-03-QT2-2022

Tgt Ion: 45 Resp: 968

Ion	Ratio	Lower	Upper
45	100		
46	0.0	22.8	91.2#

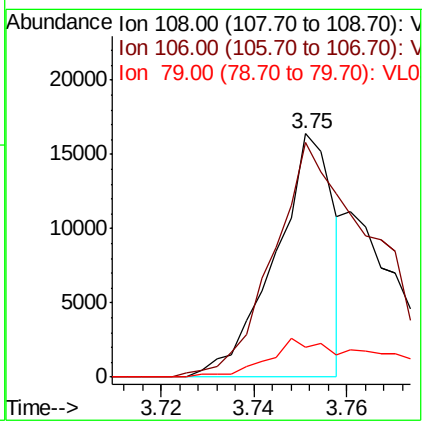


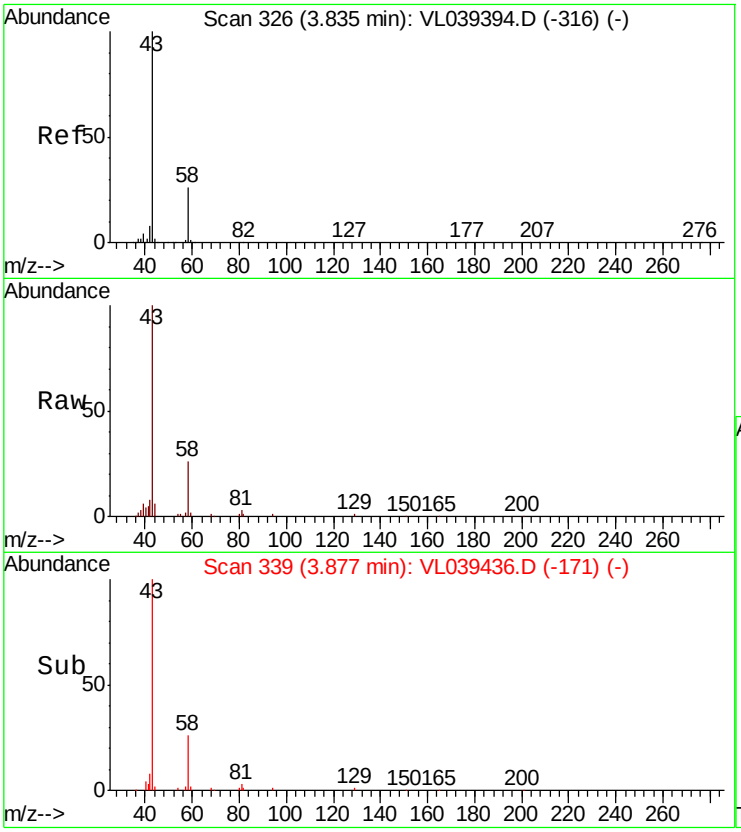


#14
Bromoethene
Concen: 0.263 ppbv
RT: 3.75 min Scan# 300
Delta R.T. 0.02 min
Lab File: VL039436.D
Acq: 6 Jul 2022 2:26

Tgt Ion:108 Resp: 14391

Ion	Ratio	Lower	Upper
108	100		
106	199.6	87.1	130.7#
79	37.6	14.6	22.0#



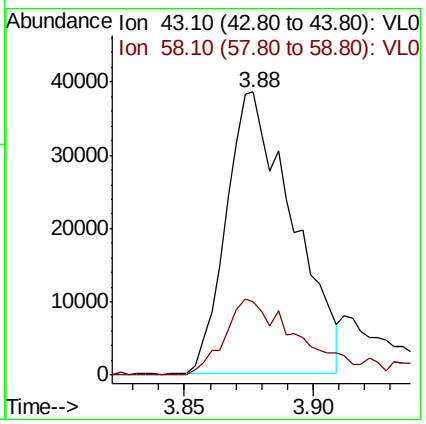


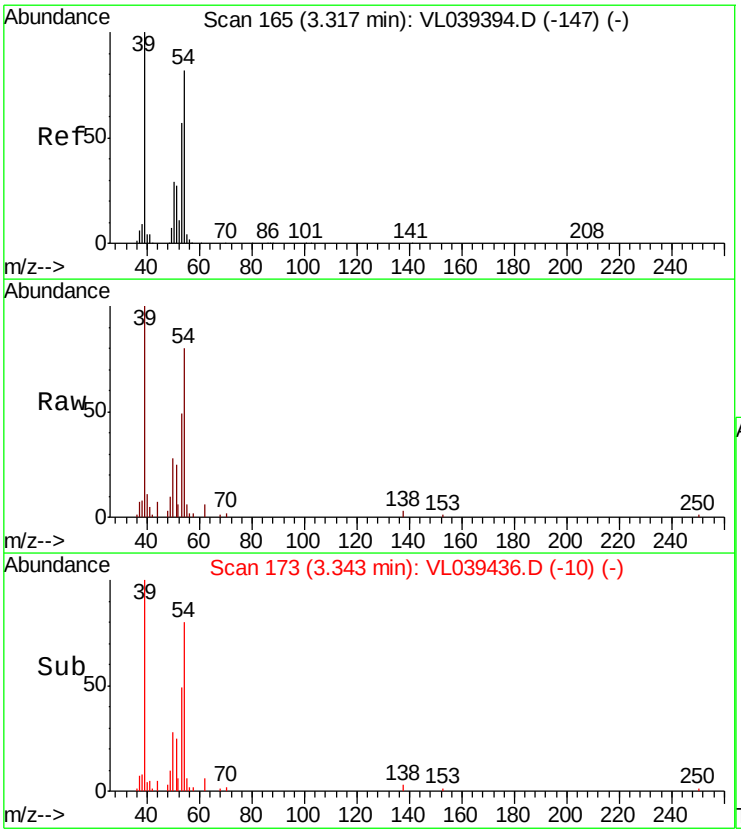
#15
Acetone
Concen: 0.534 ppbv
RT: 3.88
Delta R.T
Lab File:
Acq: 6 Jul 2022 2:26

Instrument :
MSVOA_L
ClientSampleId :
MDL-AIR-03-QT2-2022

Tgt Ion: 43 Resp: 68546

Ion	Ratio	Lower	Upper
43	100		
58	33.7	21.0	31.6#

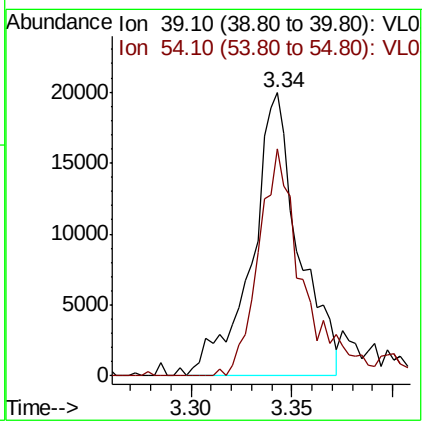


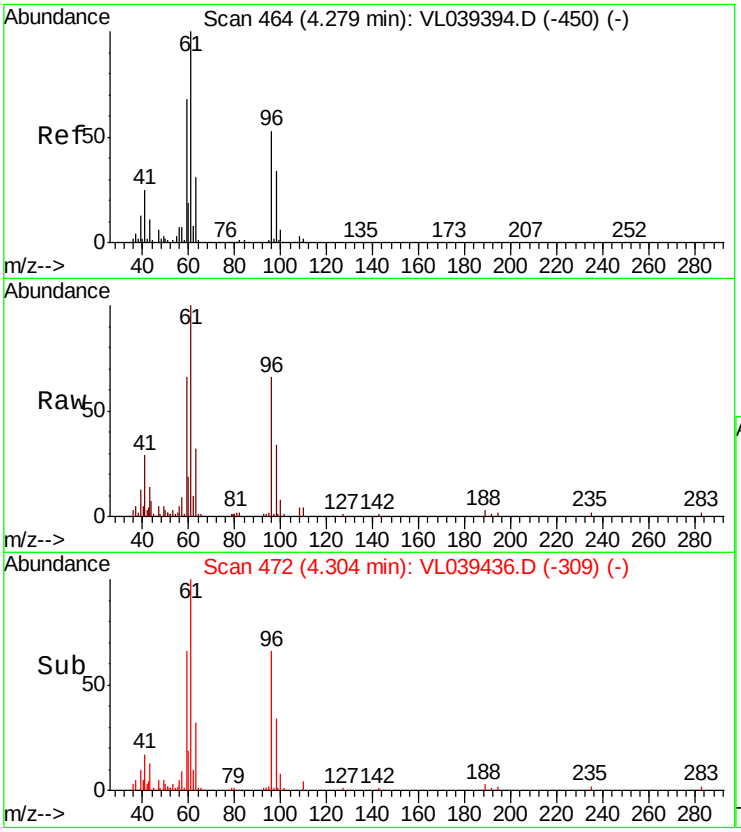


#16
1,3-Butadiene
Concen: 0.486 ppbv
RT: 3.34 min Scan# 173
Delta R.T. 0.03 min
Lab File: VL039436.D
Acq: 6 Jul 2022 2:26

Tgt Ion: 39 Resp: 32396

Ion	Ratio	Lower	Upper
39	100		
54	80.7	63.7	95.5



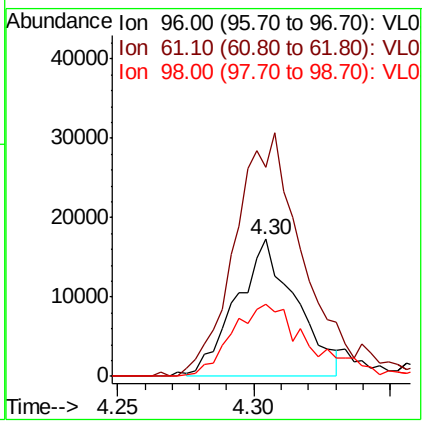


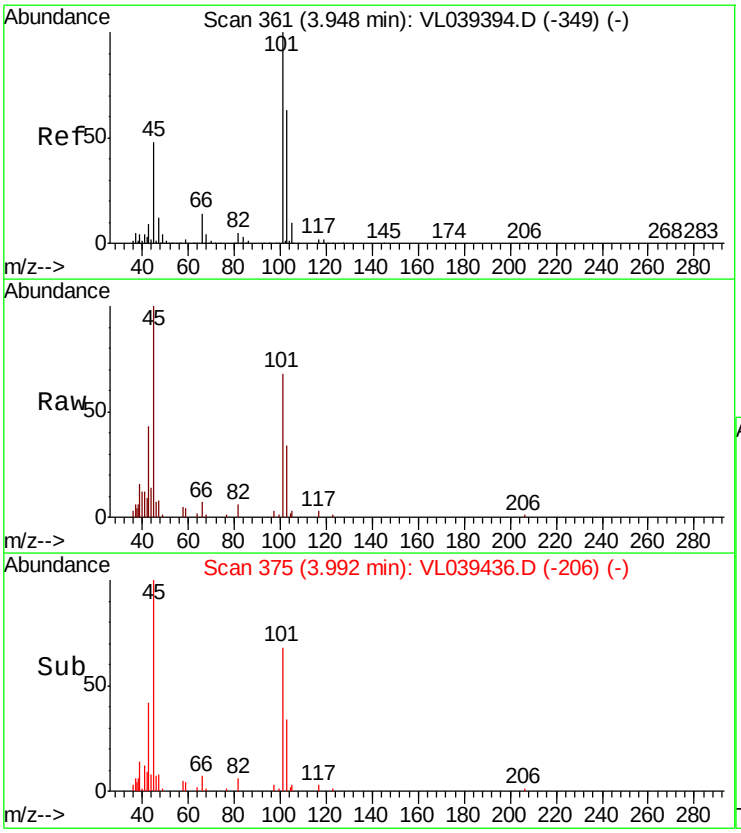
#18
1,1-Dichloroethene
Concen: 0.446 ppbv
RT: 4.30
Delta R.T
Lab File:
Acq: 6 Jul 2022 2:26

Instrument :
MSVOA_L
ClientSampleId :
MDL-AIR-03-QT2-2022

Tgt Ion: 96 Resp: 26290

Ion	Ratio	Lower	Upper
96	100		
61	147.9	152.2	228.4#
98	52.5	51.8	77.6

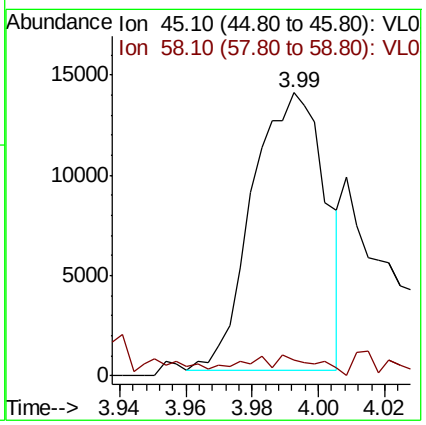


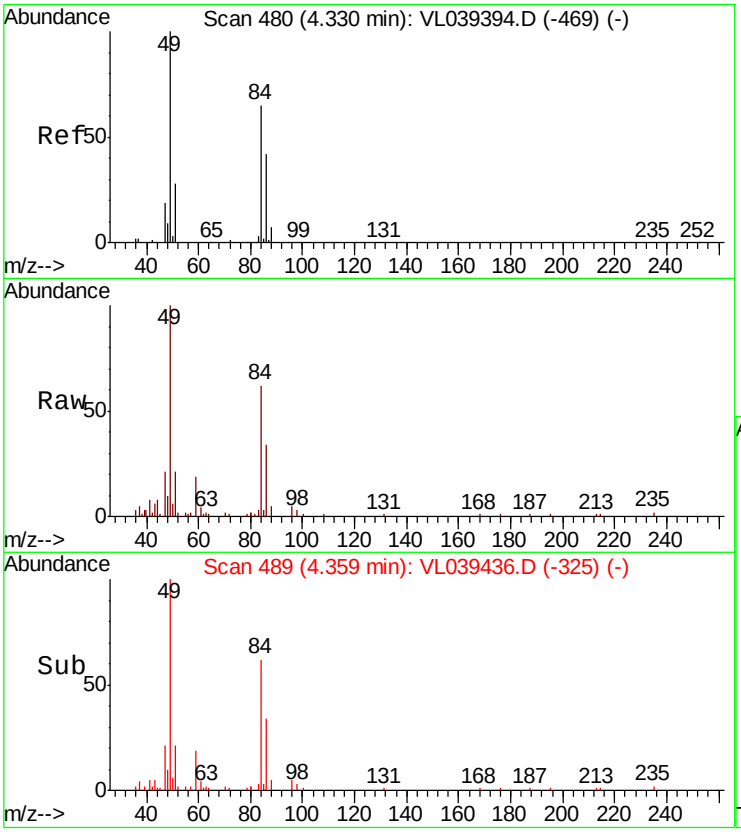


#19
Isopropyl Alcohol
Concen: 0.311 ppbv
RT: 3.99 min Scan# 375
Delta R.T. 0.04 min
Lab File: VL039436.D
Acq: 6 Jul 2022 2:26

Tgt Ion: 45 Resp: 21280

Ion	Ratio	Lower	Upper
45	100		
58	3.3	3.2	4.8



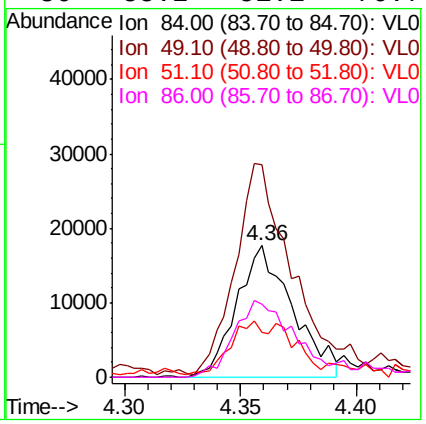


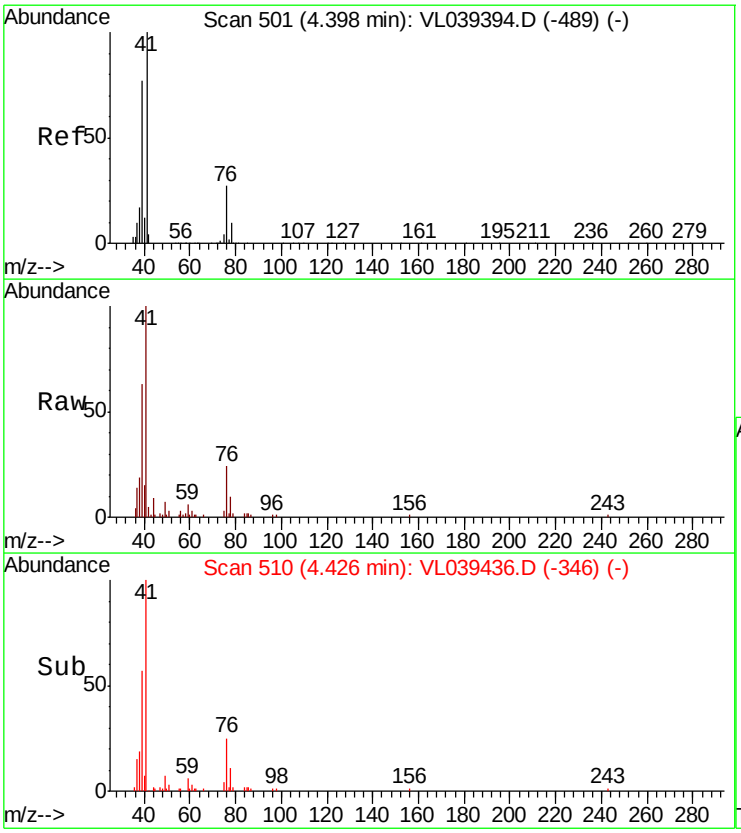
#20
Methylene Chloride
Concen: 0.578 ppbv
RT: 4.36
Delta R.T
Lab File:
Acq: 6 Jul 2022 2:26

Instrument :
MSVOA_L
ClientSampleId :
MDL-AIR-03-QT2-2022

Tgt Ion: 84 Resp: 29594

Ion	Ratio	Lower	Upper
84	100		
49	159.0	123.1	184.7
51	32.7	34.4	51.6#
86	55.2	51.1	76.7

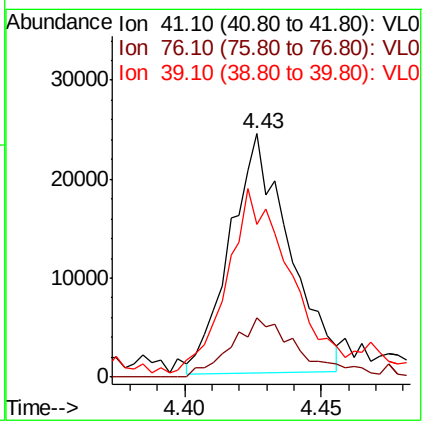


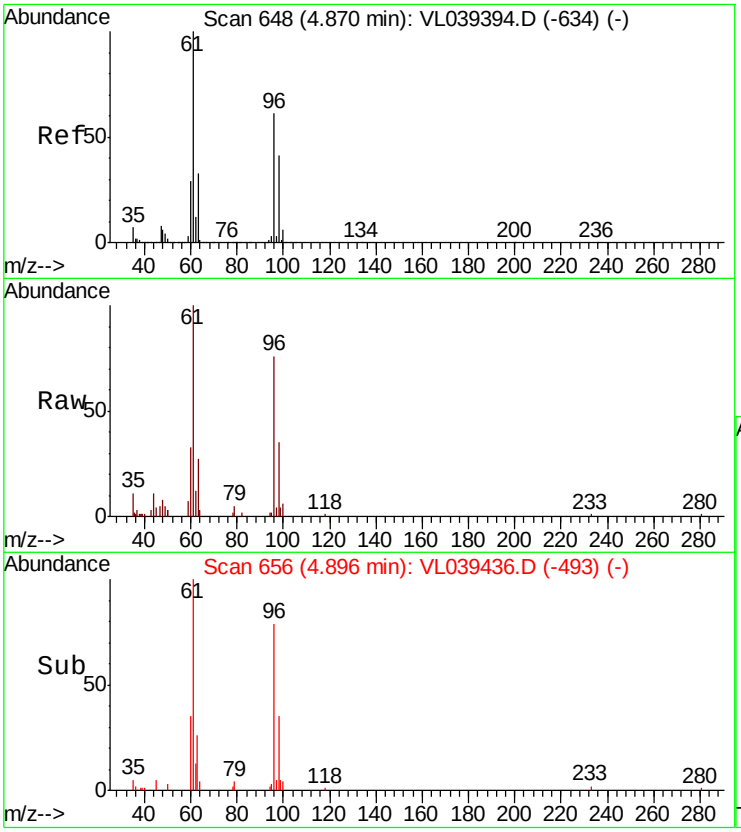


#21
Allyl Chloride
Concen: 0.410 ppbv
RT: 4.43 min Scan# 510
Delta R.T. 0.03 min
Lab File: VL039436.D
Acq: 6 Jul 2022 2:26

Tgt Ion: 41 Resp: 36498

Ion	Ratio	Lower	Upper
41	100		
76	29.5	24.4	36.6
39	99.1	63.5	95.3#



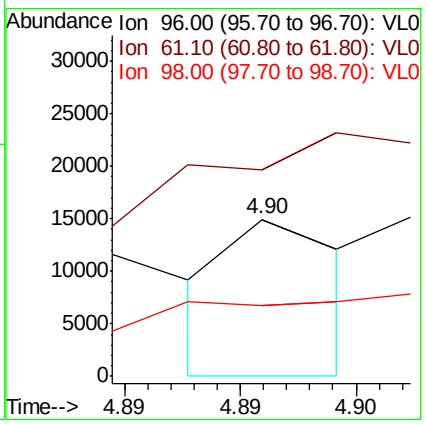


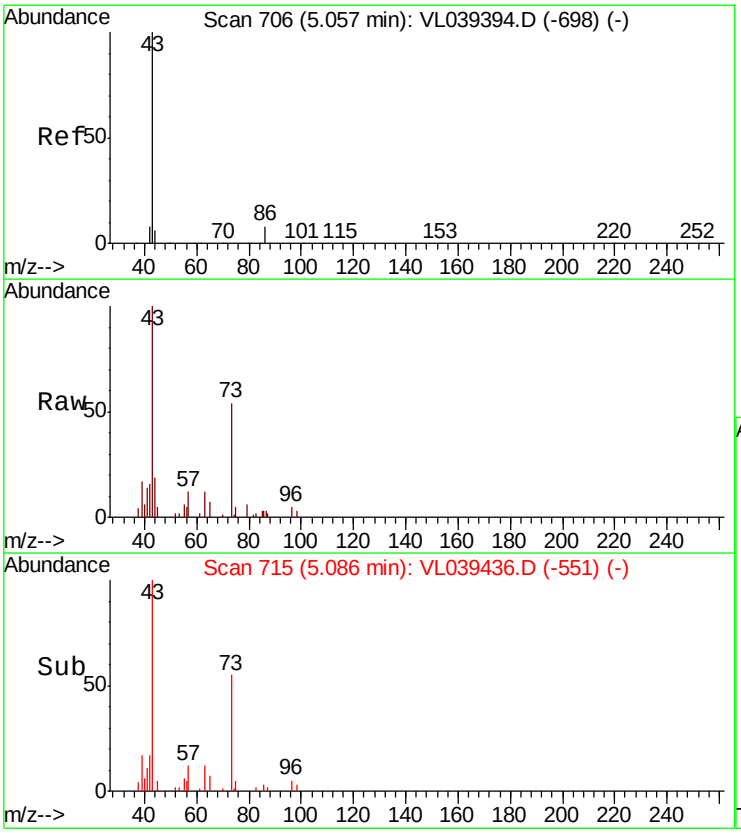
#22
trans-1,2-Dichloroethene
Concen: 0.091 ppbv
RT: 4.90
Delta R.T
Lab File:
Acq: 6 Jul 2022 2:26

Instrument :
MSVOA_L
ClientSampleId :
MDL-AIR-03-QT2-2022

Tgt Ion: 96 Resp: 5214

Ion	Ratio	Lower	Upper
96	100		
61	0.0	130.6	195.8#
98	0.0	53.4	80.0#

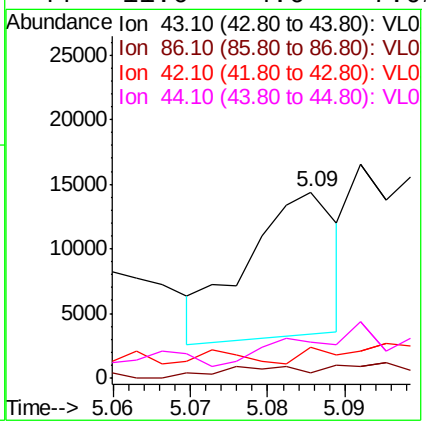


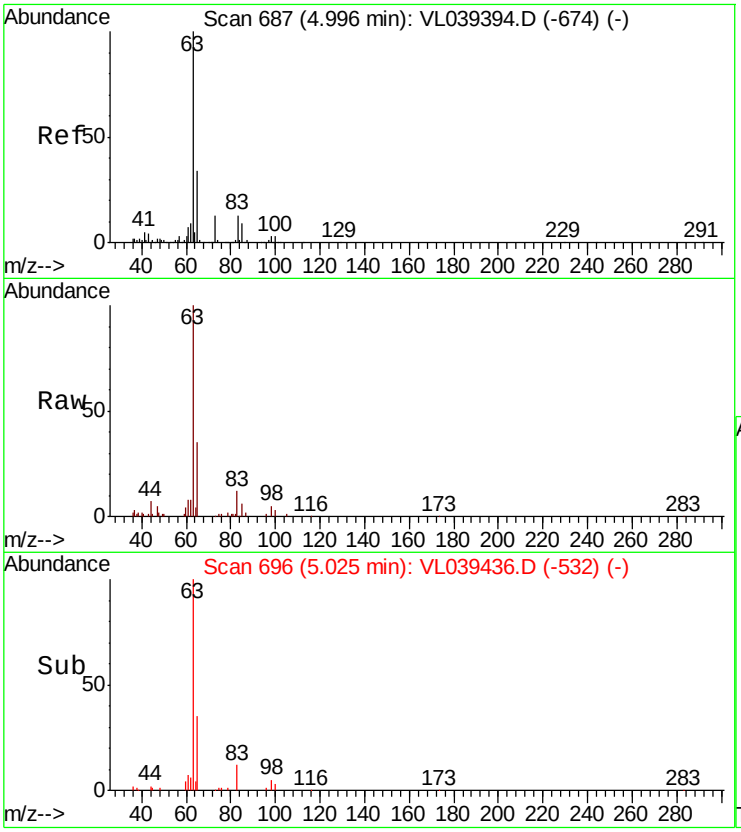


#23
Vinyl Acetate
Concen: 0.105 ppbv
RT: 5.09 min Scan# 715
Delta R.T. 0.03 min
Lab File: VL039436.D
Acq: 6 Jul 2022 2:26

Tgt Ion: 43 Resp: 9025

Ion	Ratio	Lower	Upper
43	100		
86	0.0	5.0	7.6#
42	13.0	7.7	11.5#
44	11.6	4.6	7.0#



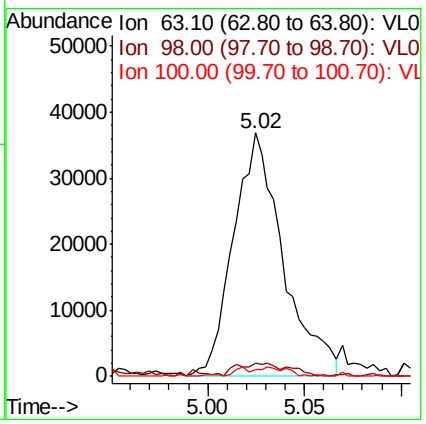


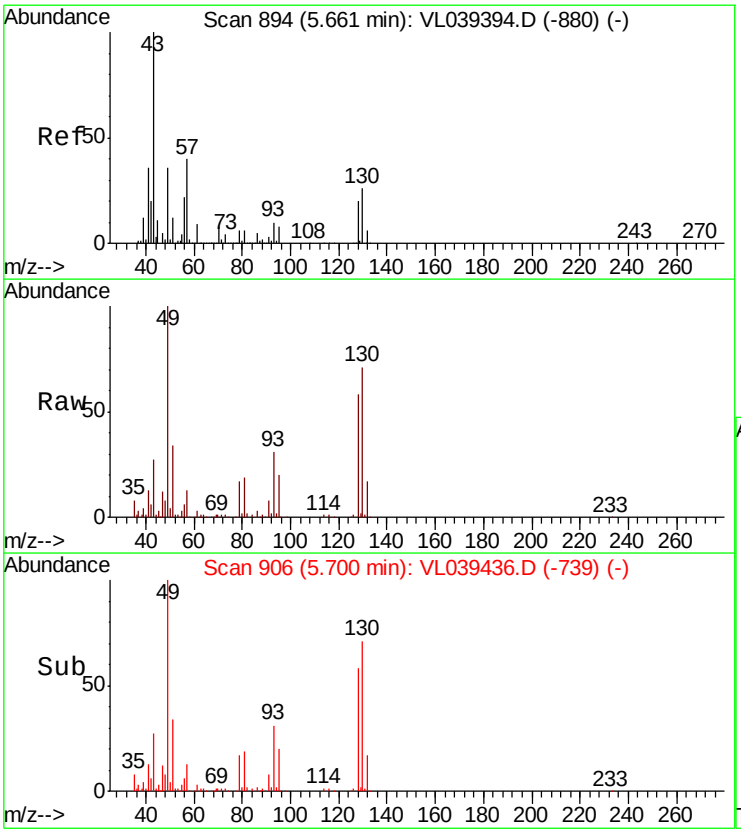
#24
1,1-Dichloroethane
Concen: 0.545 ppbv
RT: 5.02
Delta R.T
Lab File:
Acq: 6 Jul 2022 2:26

Instrument :
MSVOA_L
ClientSampleId :
MDL-AIR-03-QT2-2022

Tgt Ion: 63 Resp: 66038

Ion	Ratio	Lower	Upper
63	100		
98	5.4	1.8	5.3#
100	2.6	1.5	4.4

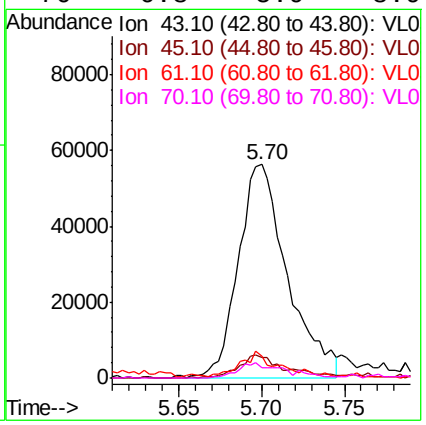


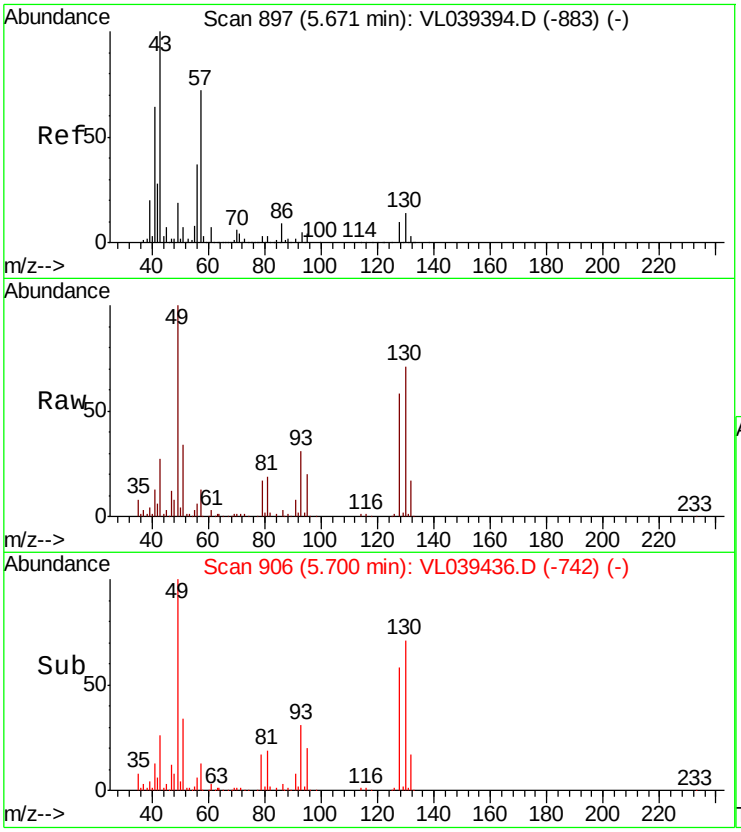


#25
Ethyl Acetate
Concen: 0.441 ppbv
RT: 5.70 min Scan# 906
Delta R.T. 0.04 min
Lab File: VL039436.D
Acq: 6 Jul 2022 2:26

Tgt Ion: 43 Resp: 116097

Ion	Ratio	Lower	Upper
43	100		
45	11.5	8.2	12.4
61	11.9	8.3	12.5
70	6.8	5.9	8.9



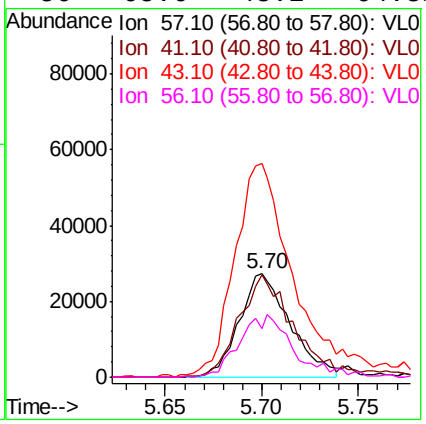


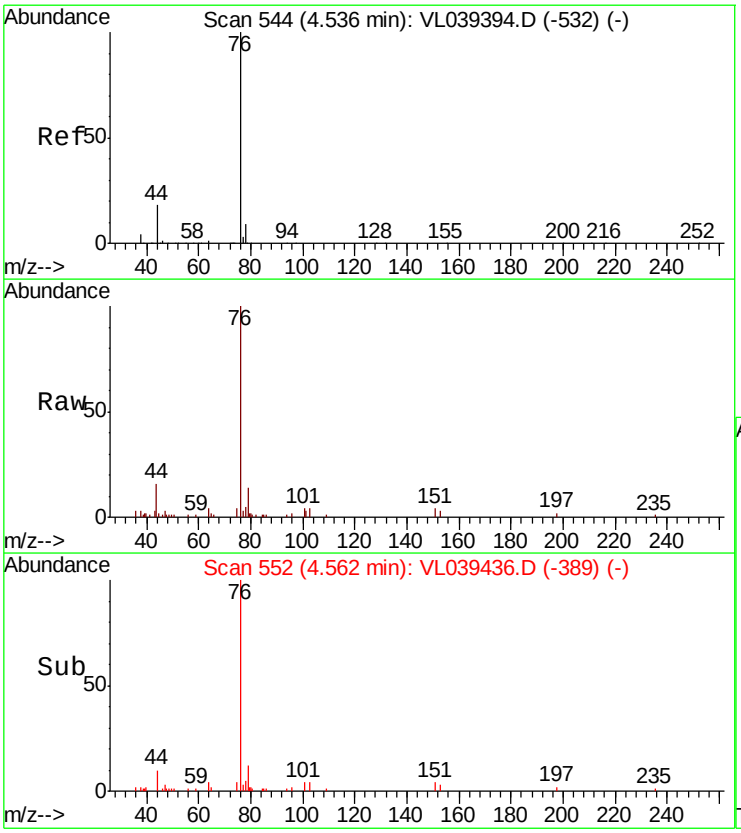
#26
Hexane
Concen: 0.470 ppbv
RT: 5.70
Delta R.T
Lab File:
Acq: 6 Jul 2022 2:26

Instrument :
MSVOA_L
ClientSampleId :
MDL-AIR-03-QT2-2022

Tgt Ion: 57 Resp: 49877

Ion	Ratio	Lower	Upper
57	100		
41	112.4	76.9	115.3
43	259.8	191.0	286.6
56	65.6	43.2	64.8#

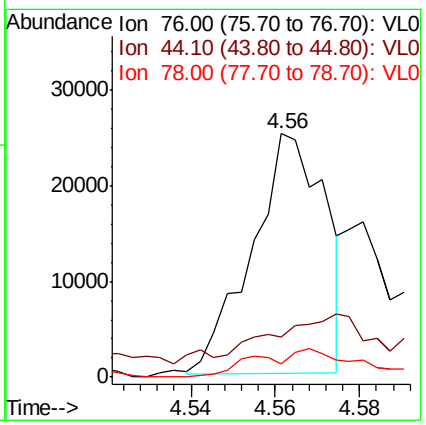


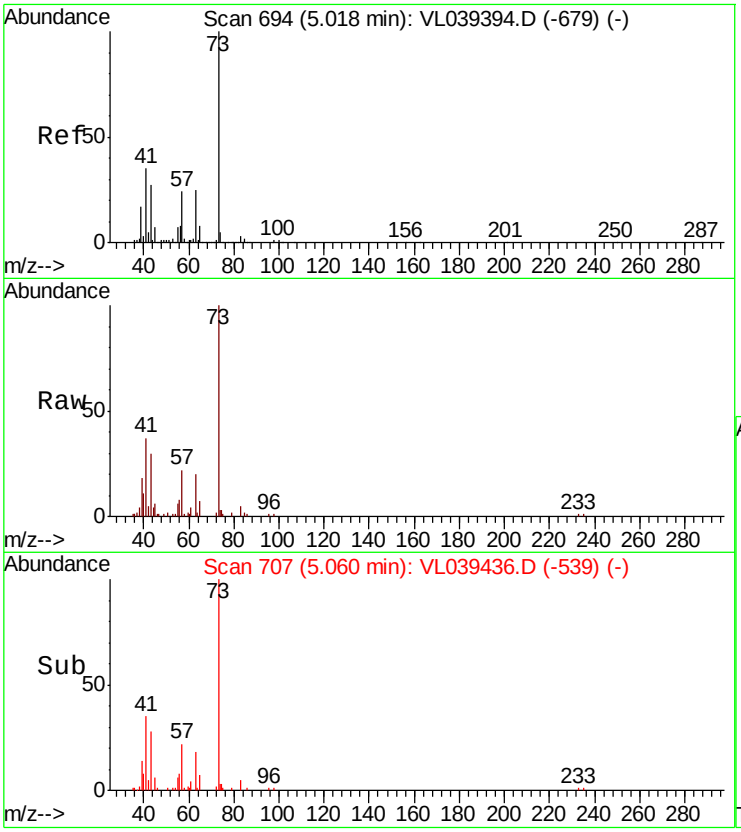


#27
Carbon Disulfide
Concen: 0.236 ppbv
RT: 4.56 min Scan# 552
Delta R.T. 0.03 min
Lab File: VL039436.D
Acq: 6 Jul 2022 2:26

Tgt Ion: 76 Resp: 30228

Ion	Ratio	Lower	Upper
76	100		
44	0.0	14.6	21.8#
78	0.0	7.8	11.6#



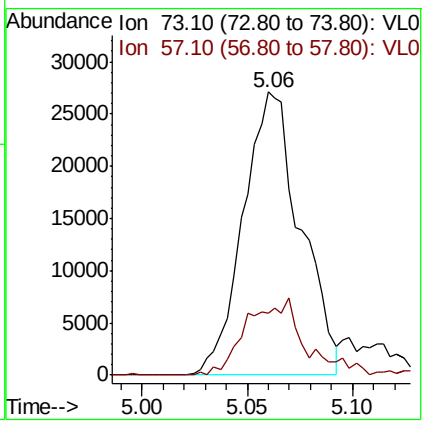


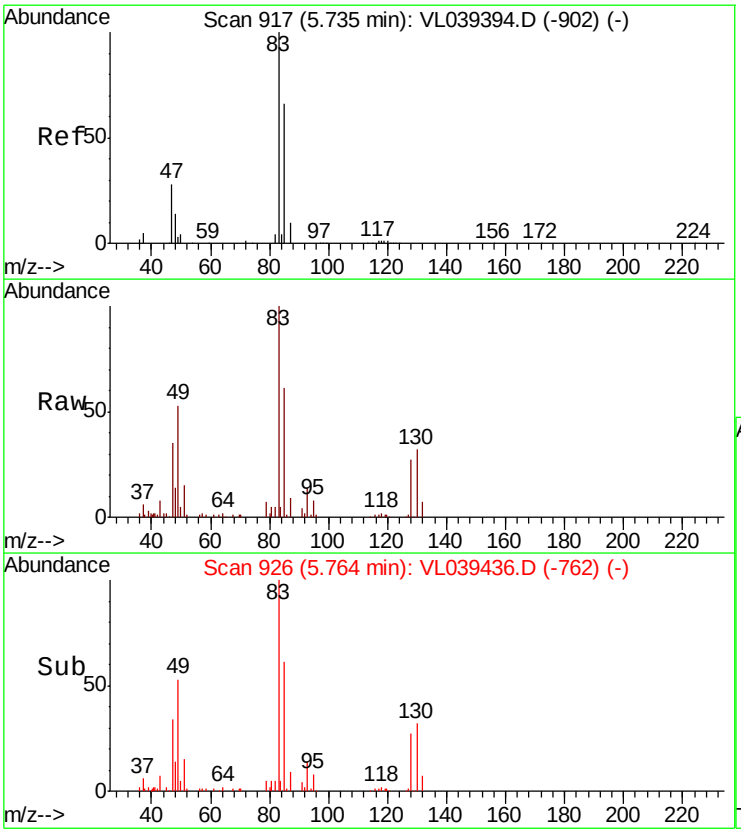
#28
Methyl tert-Butyl Ether
Concen: 0.452 ppbv
RT: 5.06
Delta R.T
Lab File:
Acq: 6 Jul 2022 2:26

Instrument :
MSVOA_L
ClientSampleId :
MDL-AIR-03-QT2-2022

Tgt Ion: 73 Resp: 51287

Ion	Ratio	Lower	Upper
73	100		
57	28.4	19.8	29.8

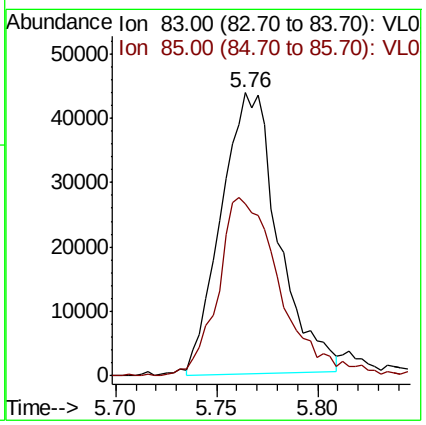


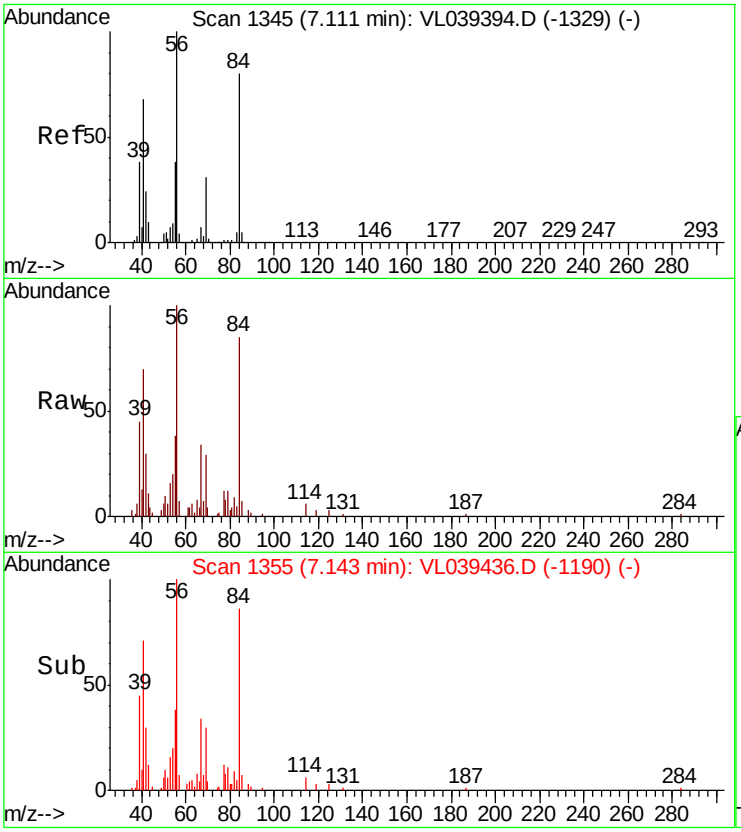


#29
Chloroform
Concen: 0.469 ppbv
RT: 5.76 min Scan# 926
Delta R.T. 0.03 min
Lab File: VL039436.D
Acq: 6 Jul 2022 2:26

Tgt Ion: 83 Resp: 86648

Ion	Ratio	Lower	Upper
83	100		
85	59.0	52.8	79.2



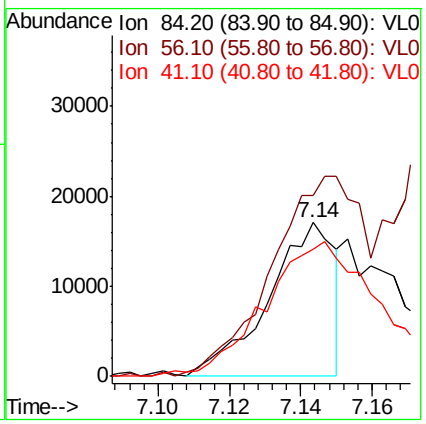


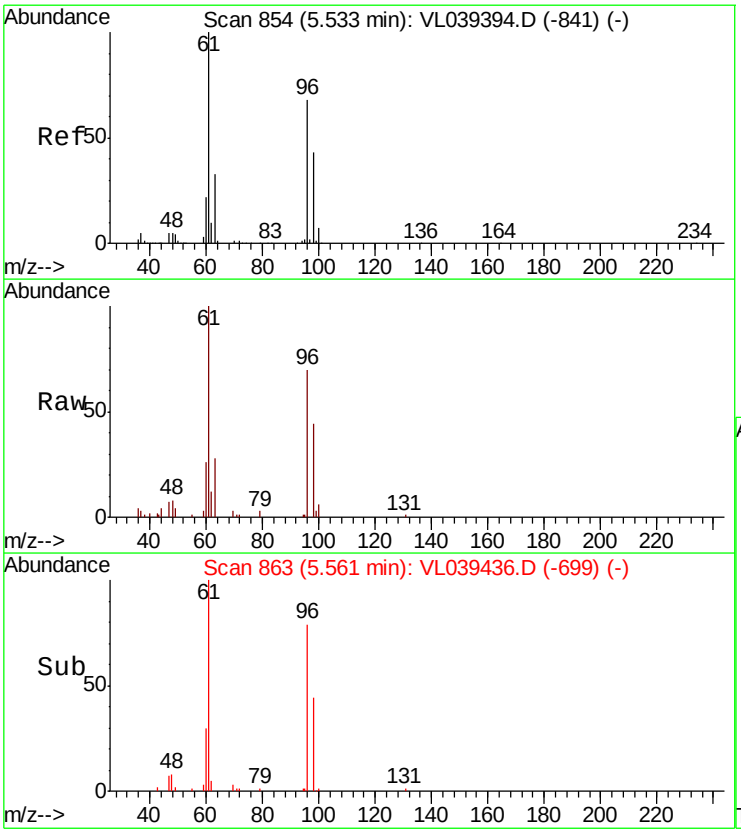
#30
Cyclohexane
Concen: 0.228 ppbv
RT: 7.14
Delta R.T
Lab File:
Acq: 6 Jul 2022 2:26

Instrument :
MSVOA_L
ClientSampleId :
MDL-AIR-03-QT2-2022

Tgt Ion: 84 Resp: 22006

Ion	Ratio	Lower	Upper
84	100		
56	0.0	107.7	161.5#
41	163.9	67.7	101.5#

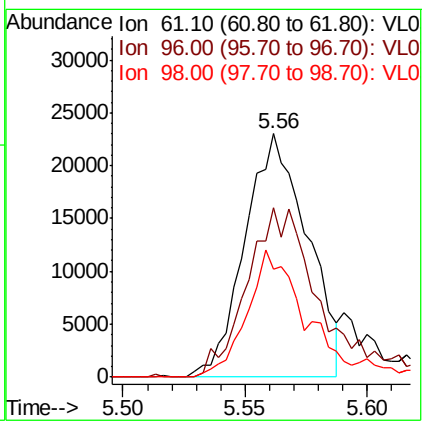


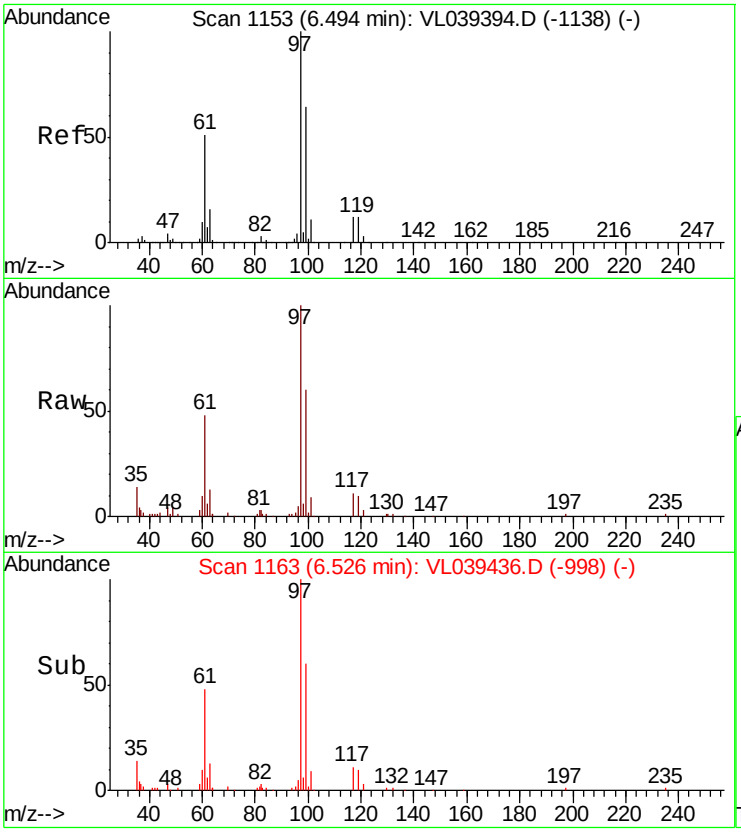


#31
cis-1,2-Dichloroethene
Concen: 0.363 ppbv
RT: 5.56 min Scan# 863
Delta R.T. 0.03 min
Lab File: VL039436.D
Acq: 6 Jul 2022 2:26

Tgt Ion: 61 Resp: 40857

Ion	Ratio	Lower	Upper
61	100		
96	69.7	54.1	81.1
98	44.5	34.6	52.0



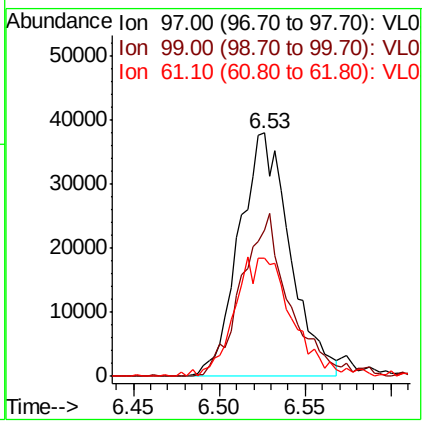


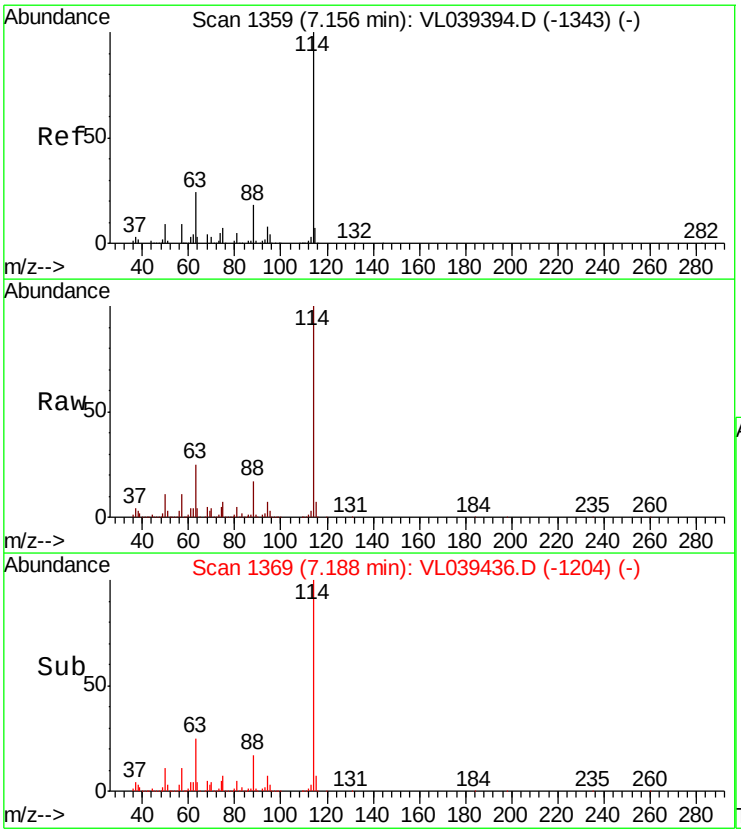
#32
1,1,1-Trichloroethane
Concen: 0.428 ppbv
RT: 6.53
Delta R.T
Lab File:
Acq: 6 Jul 2022 2:26

Instrument :
MSVOA_L
ClientSampleId :
MDL-AIR-03-QT2-2022

Tgt Ion: 97 Resp: 78016

Ion	Ratio	Lower	Upper
97	100		
99	65.3	52.3	78.5
61	55.9	40.9	61.3

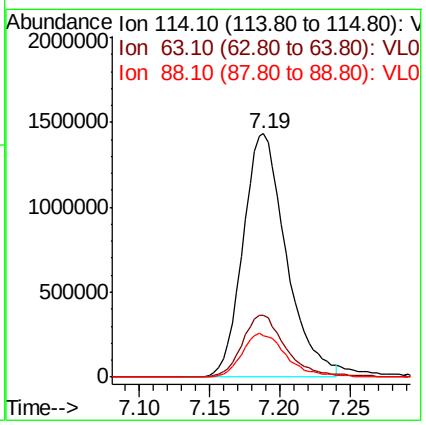


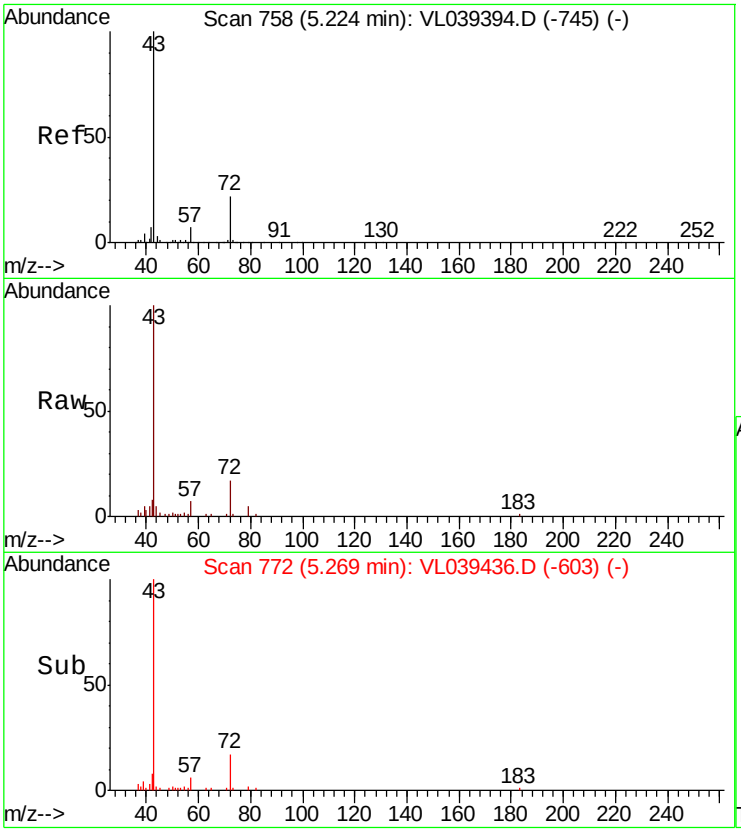


#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 7.19 min Scan# 1369
Delta R.T. 0.03 min
Lab File: VL039436.D
Acq: 6 Jul 2022 2:26

Tgt Ion:114 Resp: 3069346

Ion	Ratio	Lower	Upper
114	100		
63	26.1	20.2	30.4
88	18.7	14.5	21.7



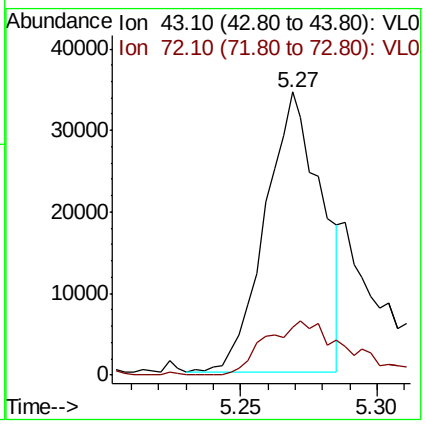


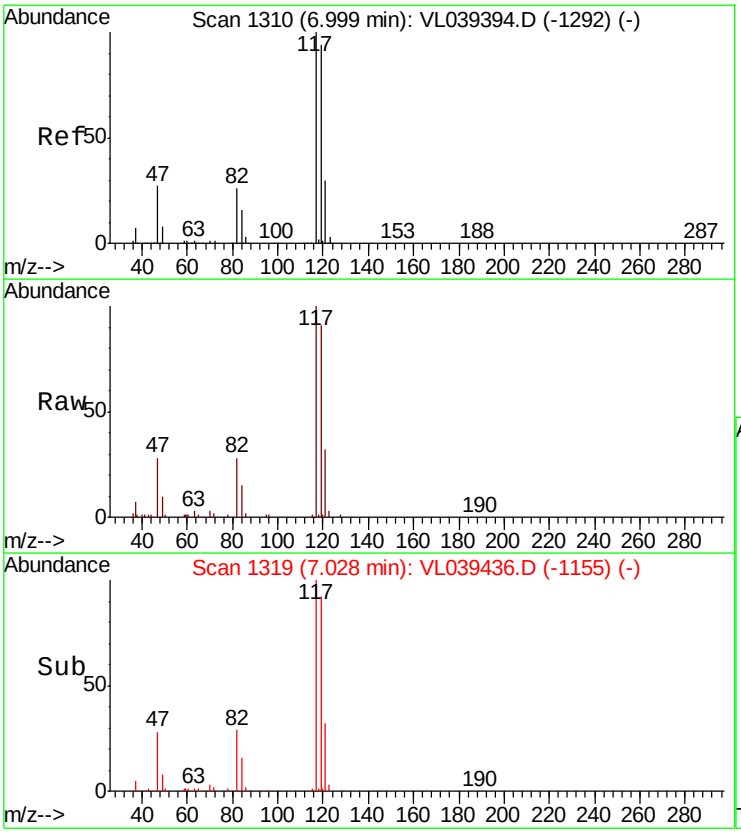
#34
2-Butanone
Concen: 0.318 ppbv
RT: 5.27
Delta R.T
Lab File:
Acq: 6 Jul 2022 2:26

Instrument :
MSVOA_L
ClientSampleId :
MDL-AIR-03-QT2-2022

Tgt Ion: 43 Resp: 49134

Ion	Ratio	Lower	Upper
43	100		
72	32.9	17.9	26.9#

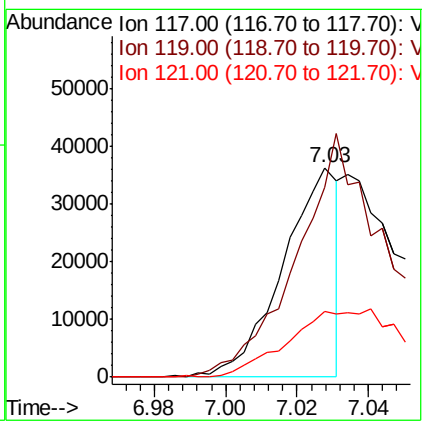


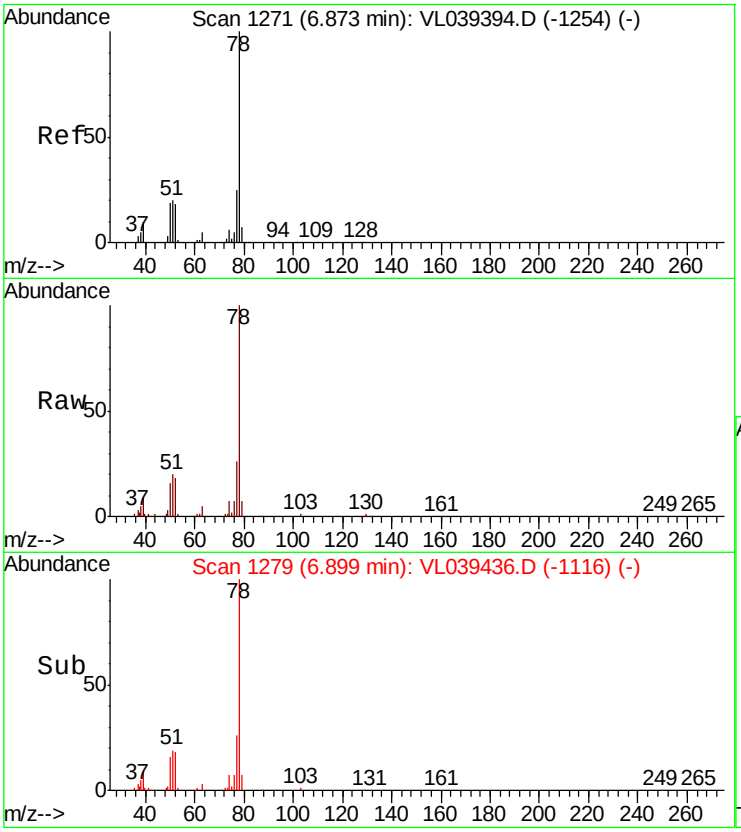


#35
Carbon Tetrachloride
Concen: 0.206 ppbv
RT: 7.03 min Scan# 1319
Delta R.T. 0.03 min
Lab File: VL039436.D
Acq: 6 Jul 2022 2:26

Tgt Ion:117 Resp: 38999

Ion	Ratio	Lower	Upper
117	100		
119	90.9	75.4	113.2
121	30.8	24.2	36.2



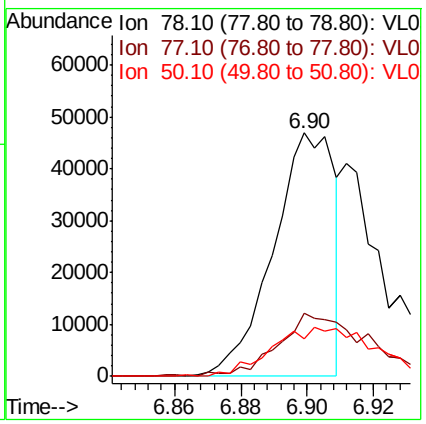


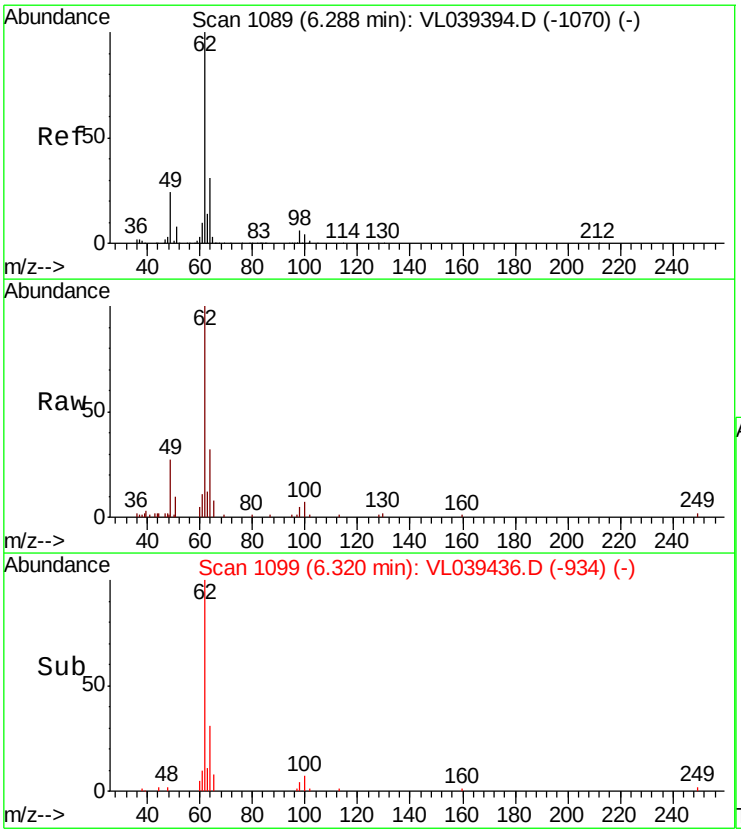
#36
Benzene
Concen: 0.255 ppbv
RT: 6.90
Delta R.T
Lab File:
Acq: 6 Jul 2022 2:26

Instrument :
MSVOA_L
ClientSampleId :
MDL-AIR-03-QT2-2022

Tgt Ion: 78 Resp: 60515

Ion	Ratio	Lower	Upper
78	100		
77	25.7	20.3	30.5
50	15.1	15.5	23.3#

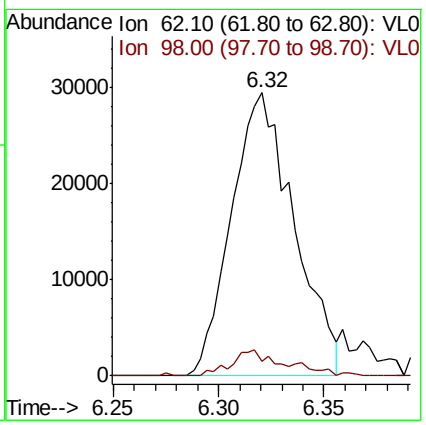


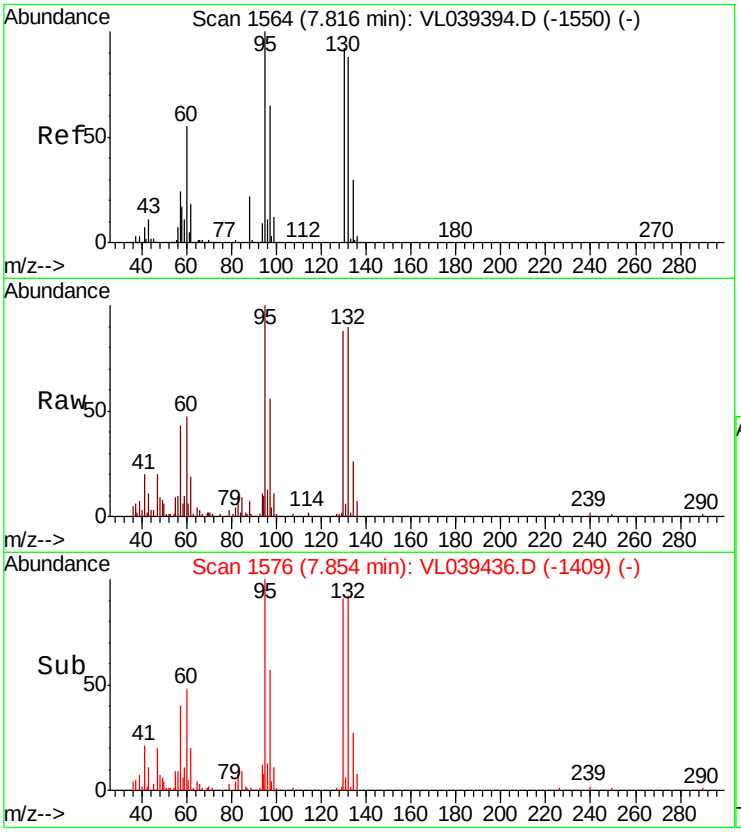


#37
1,2-Dichloroethane
Concen: 0.435 ppbv
RT: 6.32 min Scan# 1099
Delta R.T. 0.03 min
Lab File: VL039436.D
Acq: 6 Jul 2022 2:26

Tgt Ion: 62 Resp: 60935

Ion	Ratio	Lower	Upper
62	100		
98	7.9	5.1	7.7#



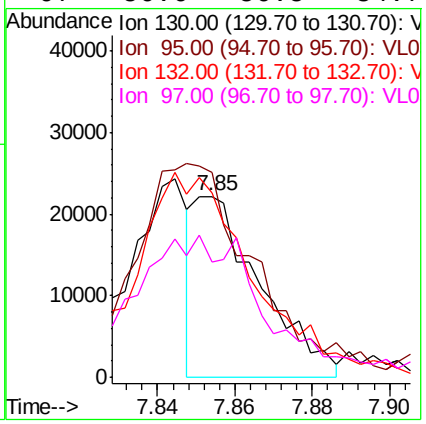


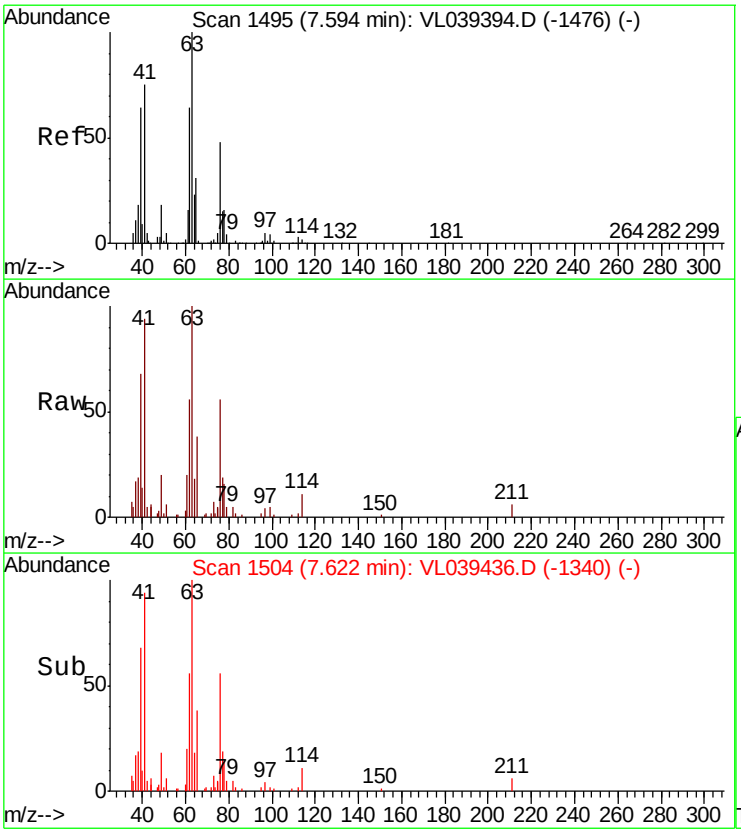
#38
Trichloroethene
Concen: 0.203 ppbv
RT: 7.85
Delta R.T
Lab File:
Acq: 6 Jul 2022 2:26

Instrument :
MSVOA_L
ClientSampleId :
MDL-AIR-03-QT2-2022

Tgt Ion:130 Resp: 26050

Ion	Ratio	Lower	Upper
130	100		
95	101.1	87.3	130.9
132	95.7	76.7	115.1
97	56.6	56.5	84.7

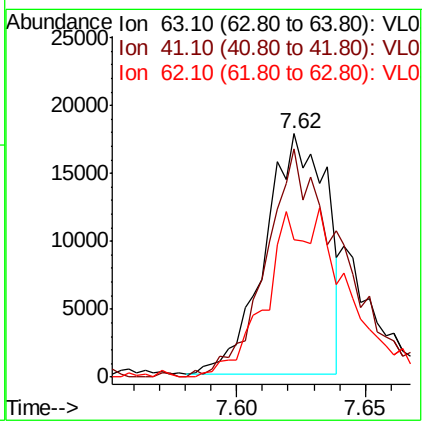


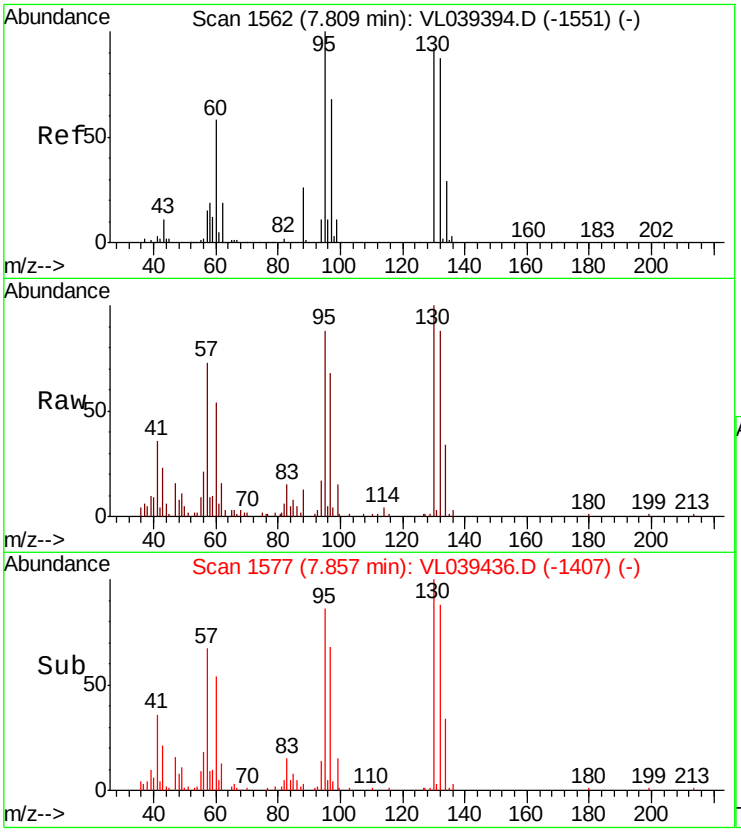


#39
1,2-Dichloropropane
Concen: 0.331 ppbv
RT: 7.62 min Scan# 1504
Delta R.T. 0.03 min
Lab File: VL039436.D
Acq: 6 Jul 2022 2:26

Tgt Ion: 63 Resp: 29418

Ion	Ratio	Lower	Upper
63	100		
41	94.8	59.6	89.4#
62	57.2	51.4	77.0



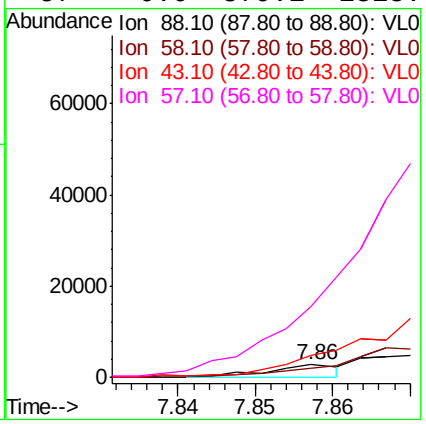


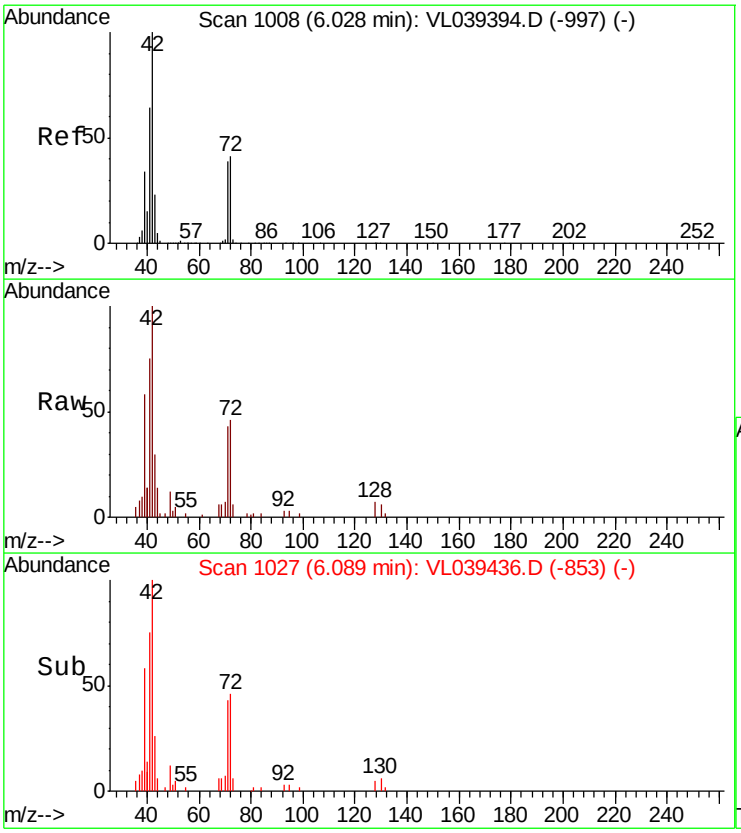
#40
1,4-Dioxane
Concen: 0.048 ppbv
RT: 7.86
Delta R.T
Lab File:
Acq: 6 Jul 2022 2:26

Instrument :
MSVOA_L
ClientSampleId :
MDL-AIR-03-QT2-2022

Tgt Ion: 88 Resp: 1713

Ion	Ratio	Lower	Upper
88	100		
58	0.0	100.2	150.4#
43	0.0	205.8	308.6#
57	0.0	879.1	1318.7#

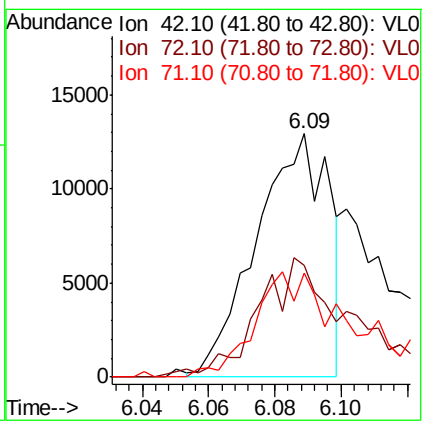


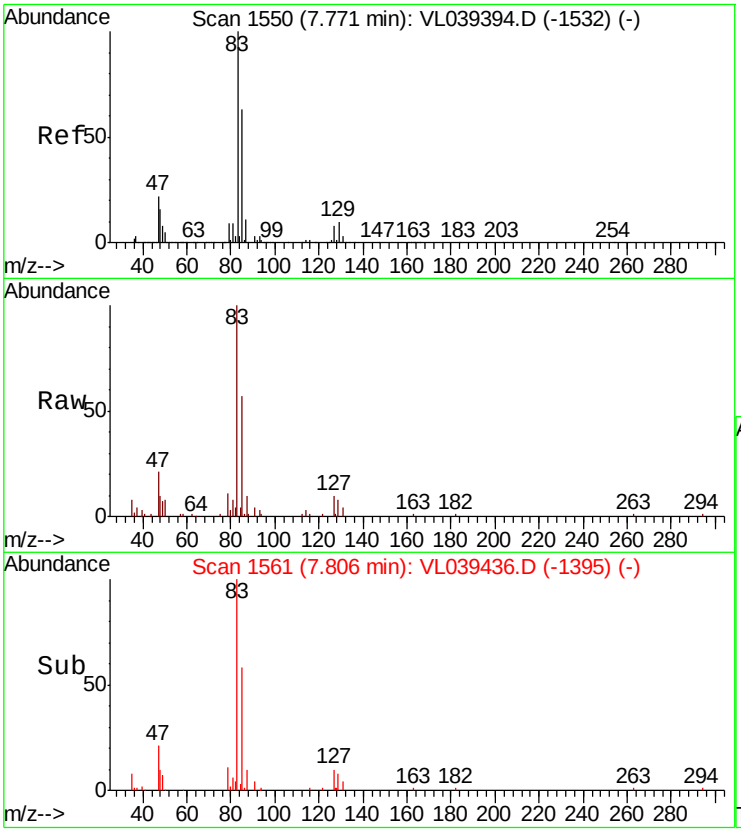


#41
Tetrahydrofuran
Concen: 0.220 ppbv
RT: 6.09 min Scan# 1027
Delta R.T. 0.06 min
Lab File: VL039436.D
Acq: 6 Jul 2022 2:26

Tgt Ion: 42 Resp: 19704

Ion	Ratio	Lower	Upper
42	100		
72	70.9	31.8	47.8#
71	65.7	31.8	47.8#



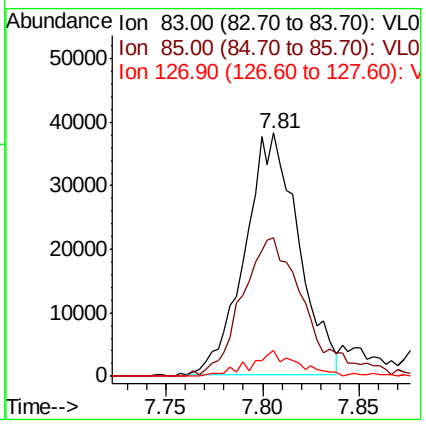


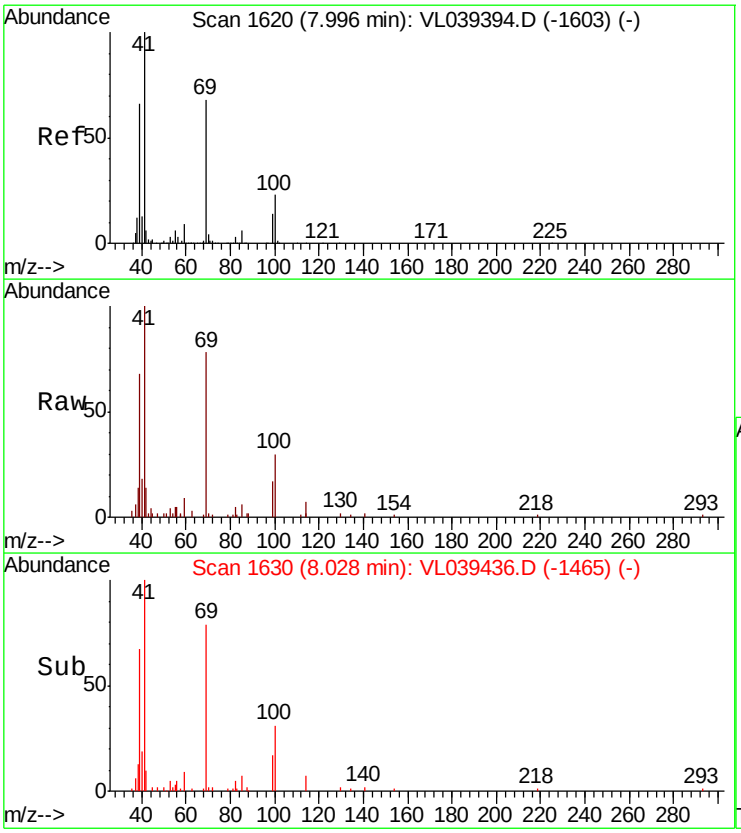
#42
Bromodichloromethane
Concen: 0.387 ppbv
RT: 7.81
Delta R.T
Lab File:
Acq: 6 Jul 2022 2:26

Instrument :
MSVOA_L
ClientSampleId :
MDL-AIR-03-QT2-2022

Tgt Ion: 83 Resp: 73144

Ion	Ratio	Lower	Upper
83	100		
85	57.3	50.7	76.1
127	10.8	6.6	9.8#

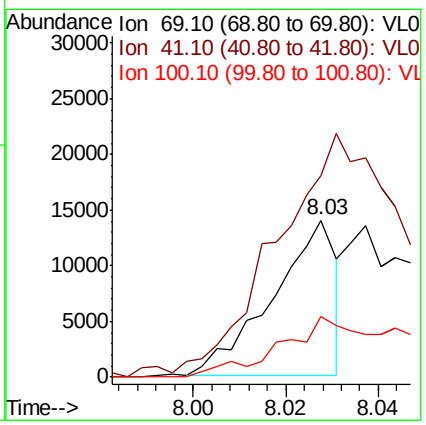


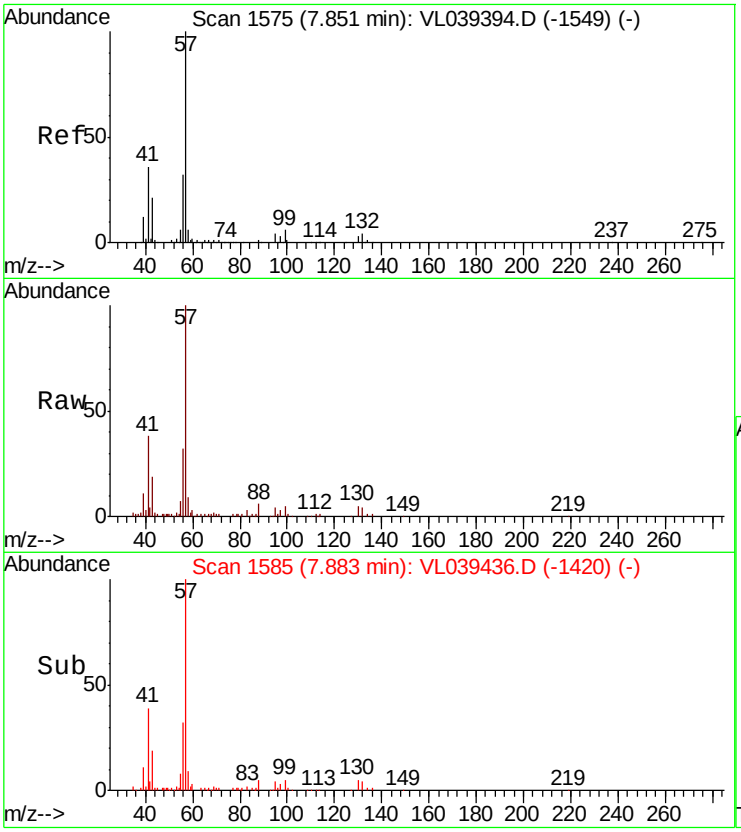


#43
Methyl Methacrylate
Concen: 0.147 ppbv
RT: 8.03 min Scan# 1630
Delta R.T. 0.03 min
Lab File: VL039436.D
Acq: 6 Jul 2022 2:26

Tgt Ion: 69 Resp: 13290

Ion	Ratio	Lower	Upper
69	100		
41	386.4	120.8	181.2#
100	88.1	27.8	41.6#



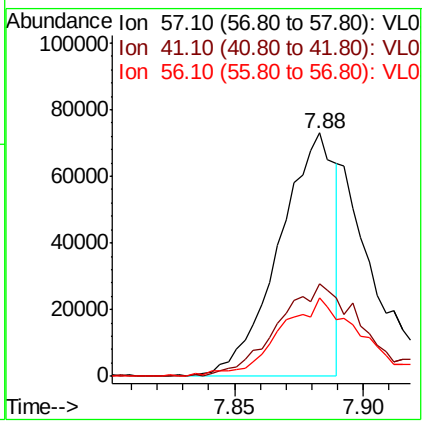


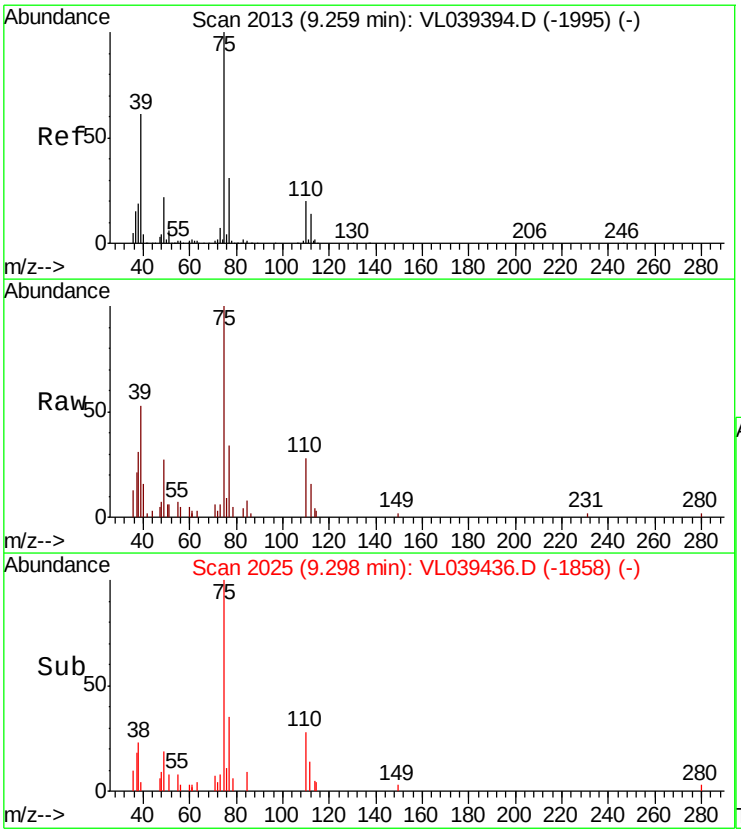
#44
2,2,4-Trimethylpentane
Concen: 0.271 ppbv
RT: 7.88
Delta R.T
Lab File:
Acq: 6 Jul 2022 2:26

Instrument :
MSVOA_L
ClientSampleId :
MDL-AIR-03-QT2-2022

Tgt Ion: 57 Resp: 109081

Ion	Ratio	Lower	Upper
57	100		
41	60.5	27.4	41.2#
56	49.7	24.5	36.7#

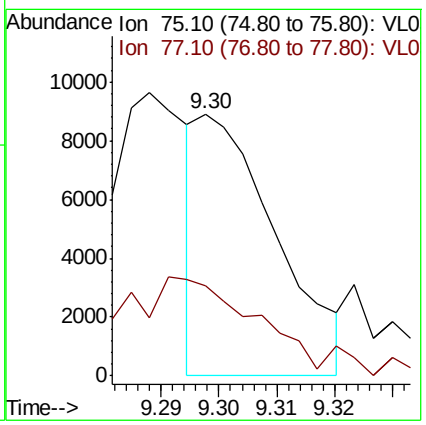


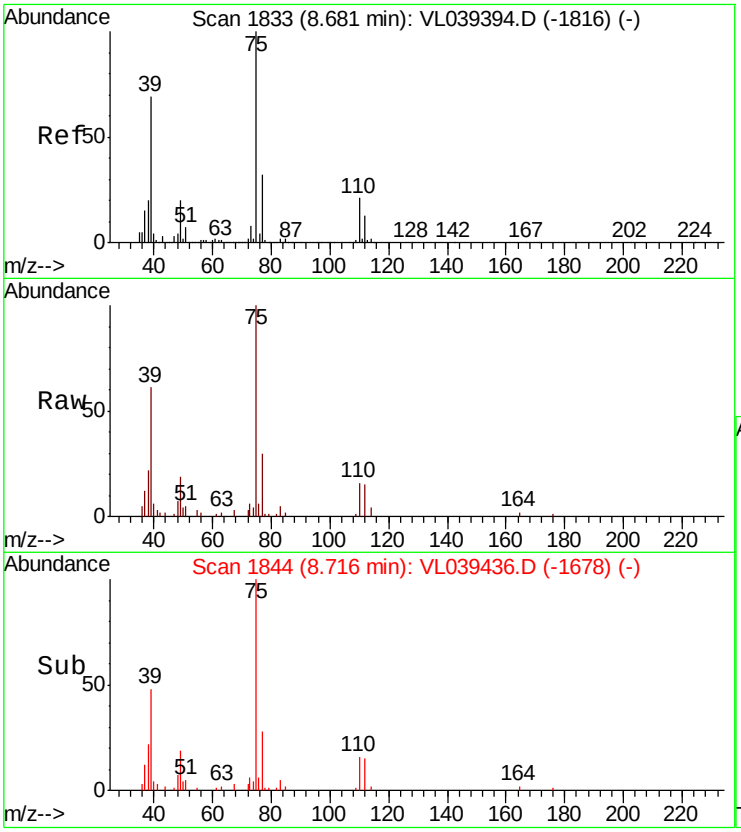


#45
t-1,3-Dichloropropene
Concen: 0.103 ppbv
RT: 9.30 min Scan# 2025
Delta R.T. 0.04 min
Lab File: VL039436.D
Acq: 6 Jul 2022 2:26

Tgt Ion: 75 Resp: 8292

Ion	Ratio	Lower	Upper
75	100		
77	31.7	24.6	36.8



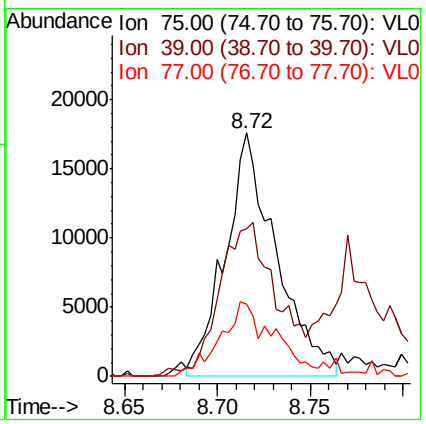


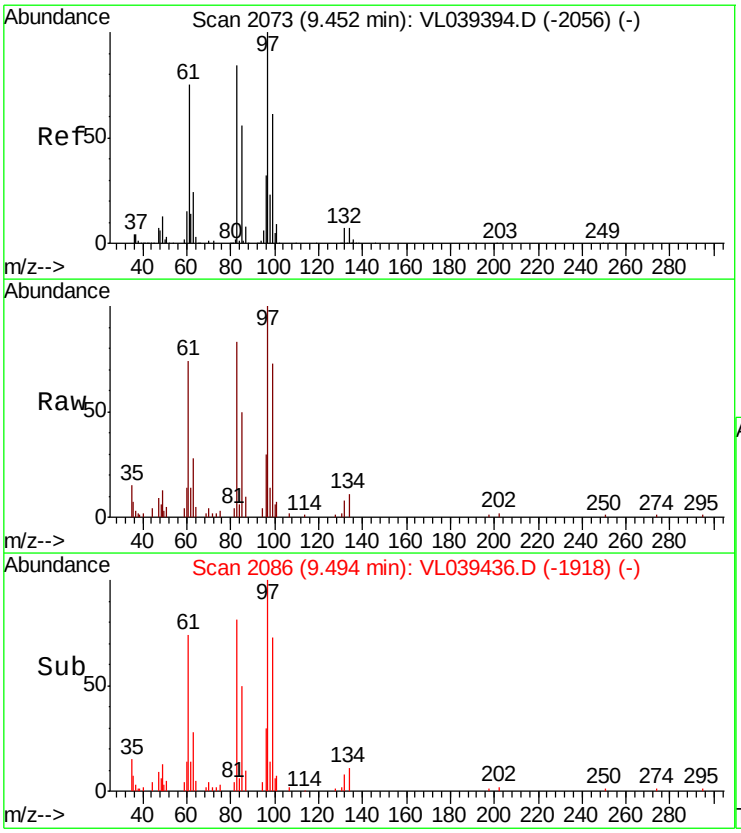
#46
cis-1,3-Dichloropropene
Concen: 0.305 ppbv
RT: 8.72
Delta R.T
Lab File:
Acq: 6 Jul 2022 2:26

Instrument :
MSVOA_L
ClientSampleId :
MDL-AIR-03-QT2-2022

Tgt Ion: 75 Resp: 33808

Ion	Ratio	Lower	Upper
75	100		
39	58.6	55.0	82.4
77	28.9	25.7	38.5

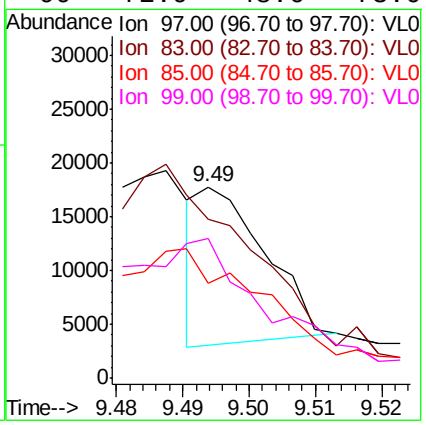


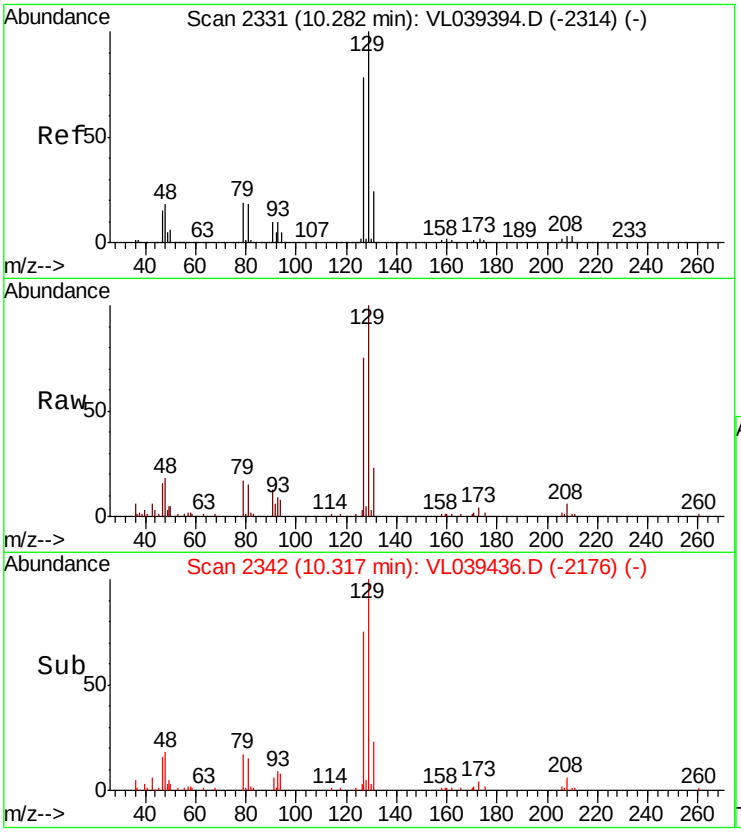


#47
1,1,2-Trichloroethane
Concen: 0.101 ppbv
RT: 9.49 min Scan# 2086
Delta R.T. 0.04 min
Lab File: VL039436.D
Acq: 6 Jul 2022 2:26

Tgt Ion: 97 Resp: 10031

Ion	Ratio	Lower	Upper
97	100		
83	86.4	67.4	101.0
85	48.9	45.1	67.7
99	72.9	48.6	73.0



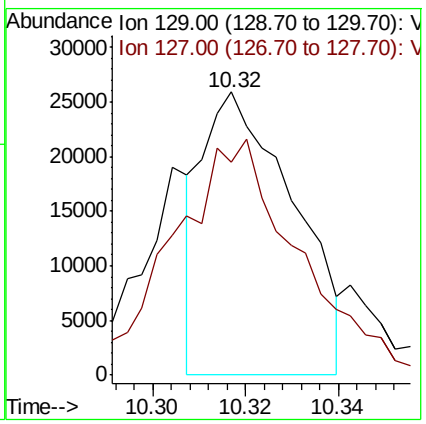


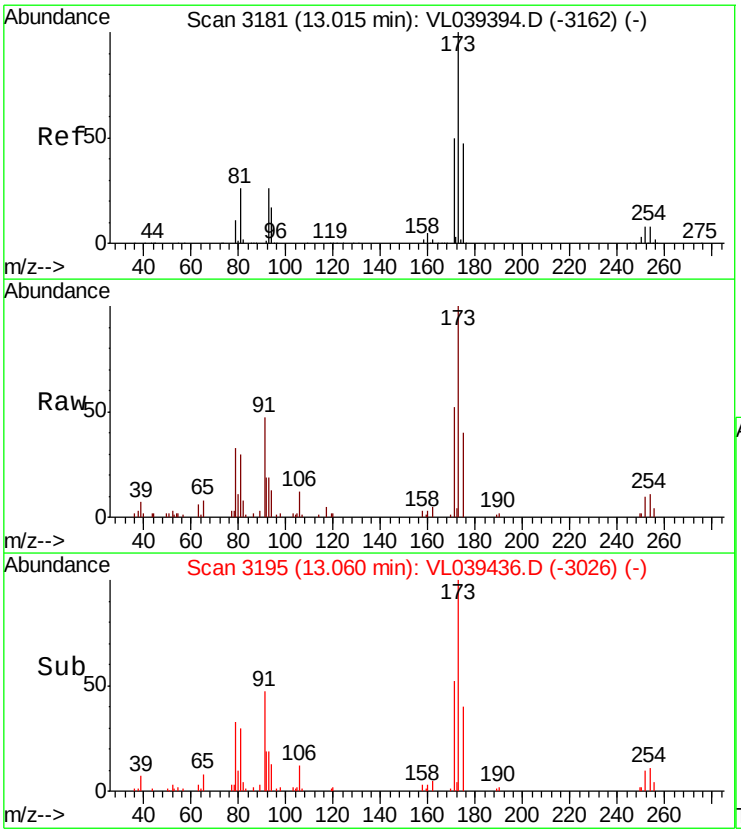
#48
Dibromochloromethane
Concen: 0.222 ppbv
RT: 10.32
Delta R.T
Lab File:
Acq: 6 Jul 2022 2:26

Instrument :
MSVOA_L
ClientSampleId :
MDL-AIR-03-QT2-2022

Tgt Ion:129 Resp: 35096

Ion	Ratio	Lower	Upper
129	100		
127	125.7	39.3	117.9#

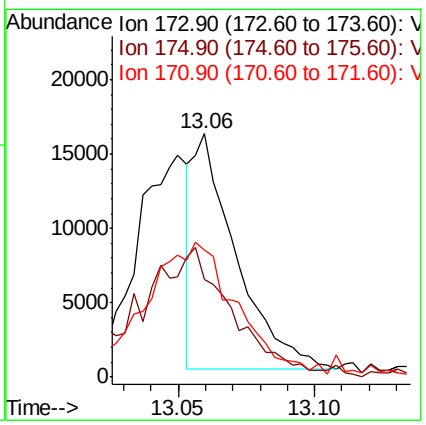


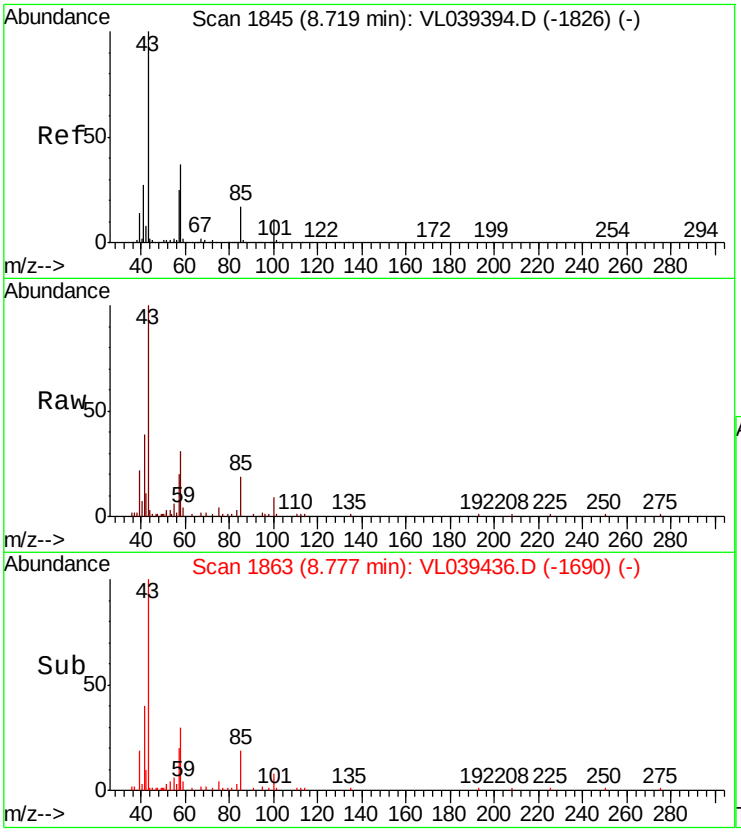


#49
Bromoform
Concen: 0.135 ppbv
RT: 13.06 min Scan# 3195
Delta R.T. 0.04 min
Lab File: VL039436.D
Acq: 6 Jul 2022 2:26

Tgt Ion:173 Resp: 17256

Ion	Ratio	Lower	Upper
173	100		
175	118.0	40.3	60.5#
171	132.8	42.9	64.3#



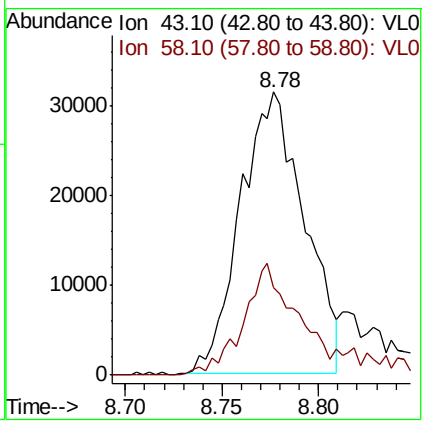


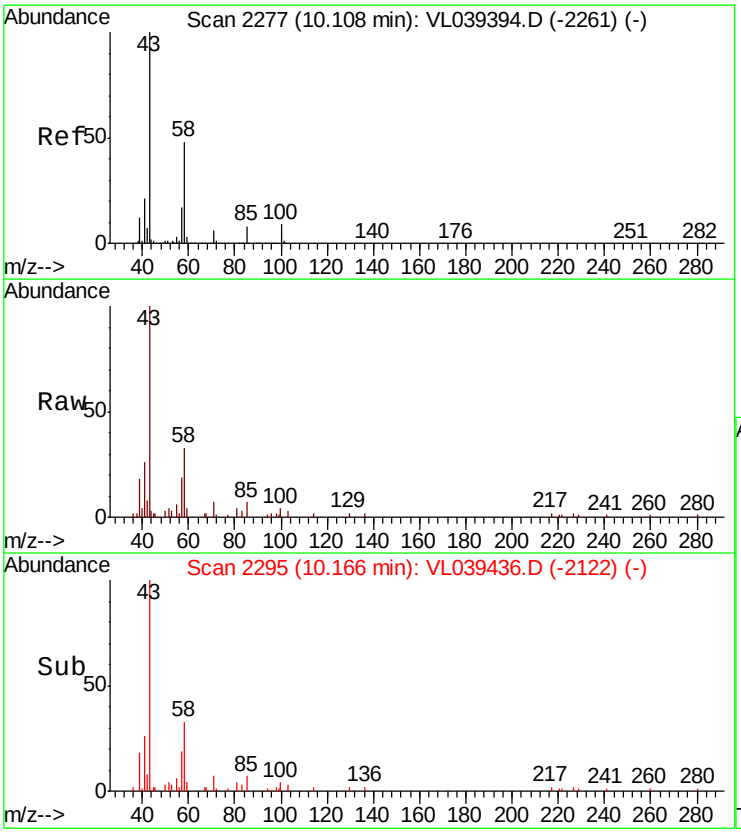
#50
4-Methyl-2-Pentanone
Concen: 0.307 ppbv
RT: 8.78
Delta R.T
Lab File:
Acq: 6 Jul 2022 2:26

Instrument :
MSVOA_L
ClientSampleId :
MDL-AIR-03-QT2-2022

Tgt Ion: 43 Resp: 71663

Ion	Ratio	Lower	Upper
43	100		
58	35.1	28.8	43.2

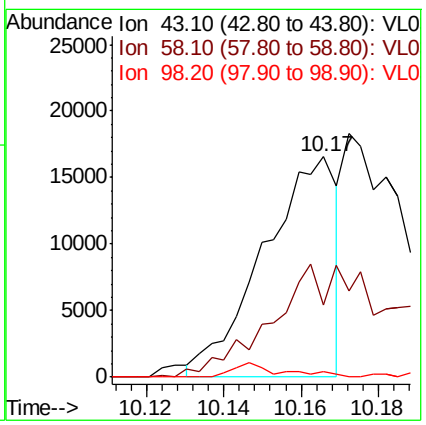


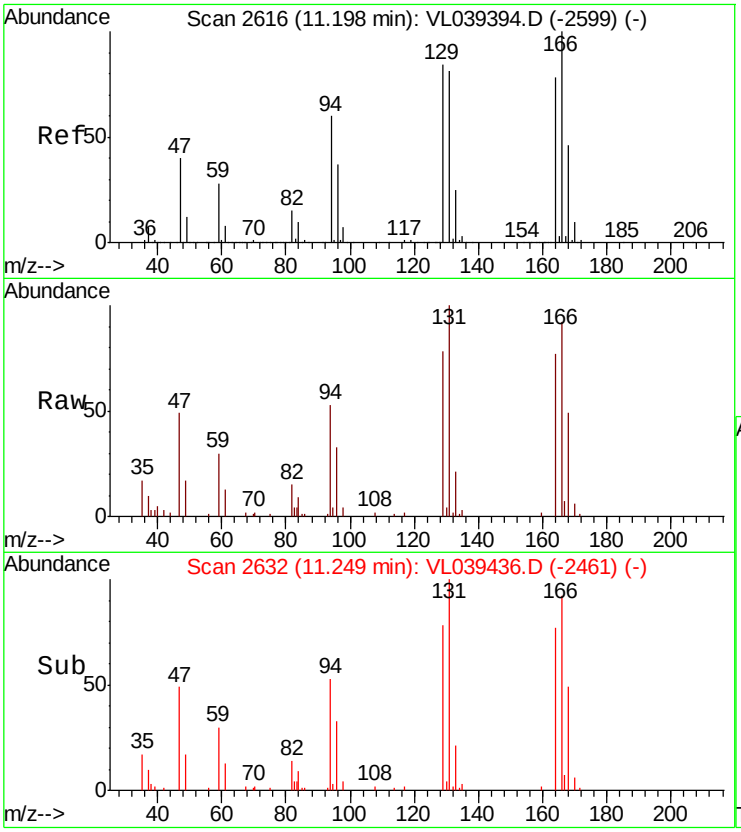


#51
2-Hexanone
Concen: 0.123 ppbv
RT: 10.17 min Scan# 2295
Delta R.T. 0.06 min
Lab File: VL039436.D
Acq: 6 Jul 2022 2:26

Tgt Ion: 43 Resp: 21682

Ion	Ratio	Lower	Upper
43	100		
58	115.0	38.4	57.6#
98	5.6	0.3	0.5#



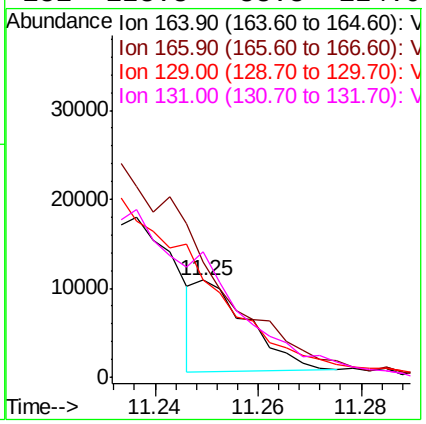


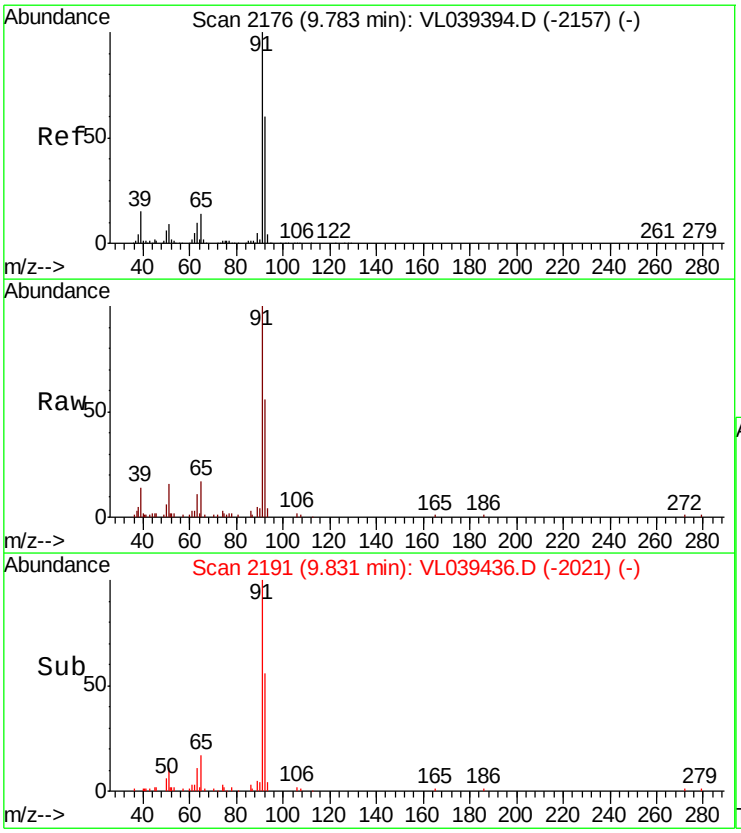
#52
Tetrachloroethene
Concen: 0.073 ppbv
RT: 11.25
Delta R.T
Lab File:
Acq: 6 Jul 2022 2:26

Instrument :
MSVOA_L
ClientSampleId :
MDL-AIR-03-QT2-2022

Tgt Ion:164 Resp: 7009

Ion	Ratio	Lower	Upper
164	100		
166	111.5	102.2	153.2
129	94.4	85.8	128.8
131	123.8	83.3	124.9

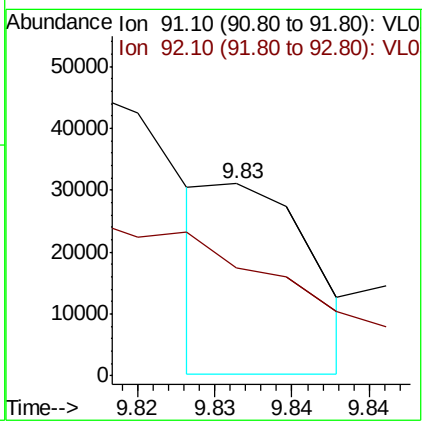


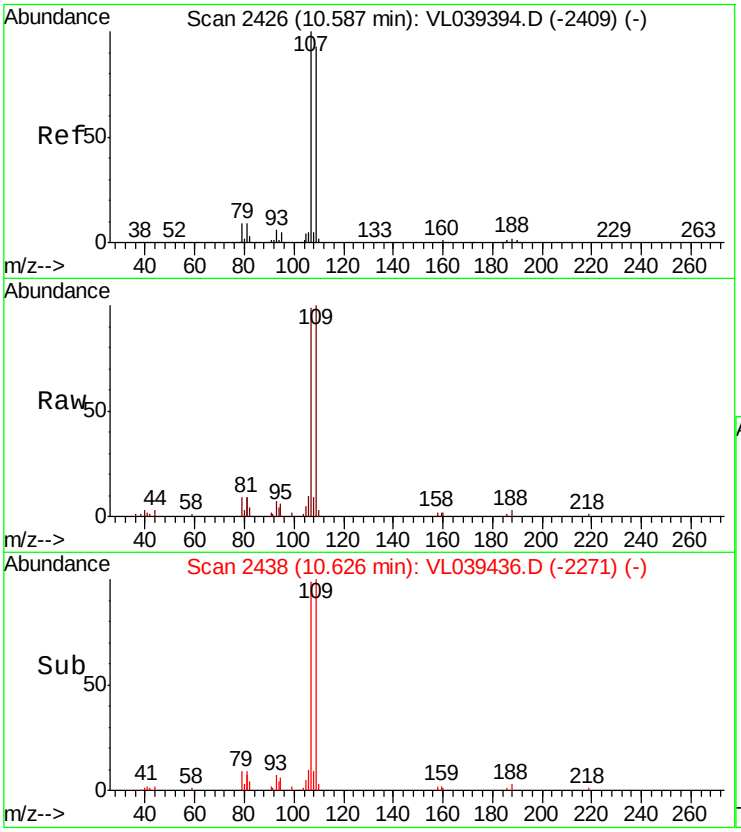


#53
Toluene
Concen: 0.050 ppbv
RT: 9.83 min Scan# 2191
Delta R.T. 0.05 min
Lab File: VL039436.D
Acq: 6 Jul 2022 2:26

Tgt Ion: 91 Resp: 13613

Ion	Ratio	Lower	Upper
91	100		
92	0.0	48.2	72.2#



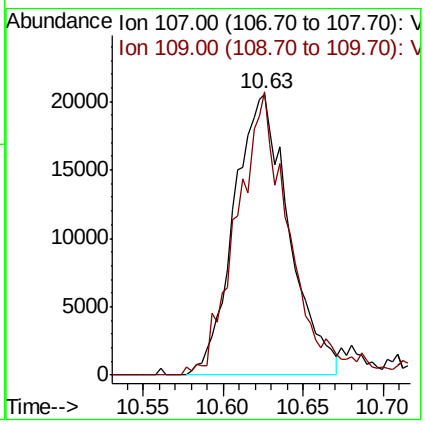


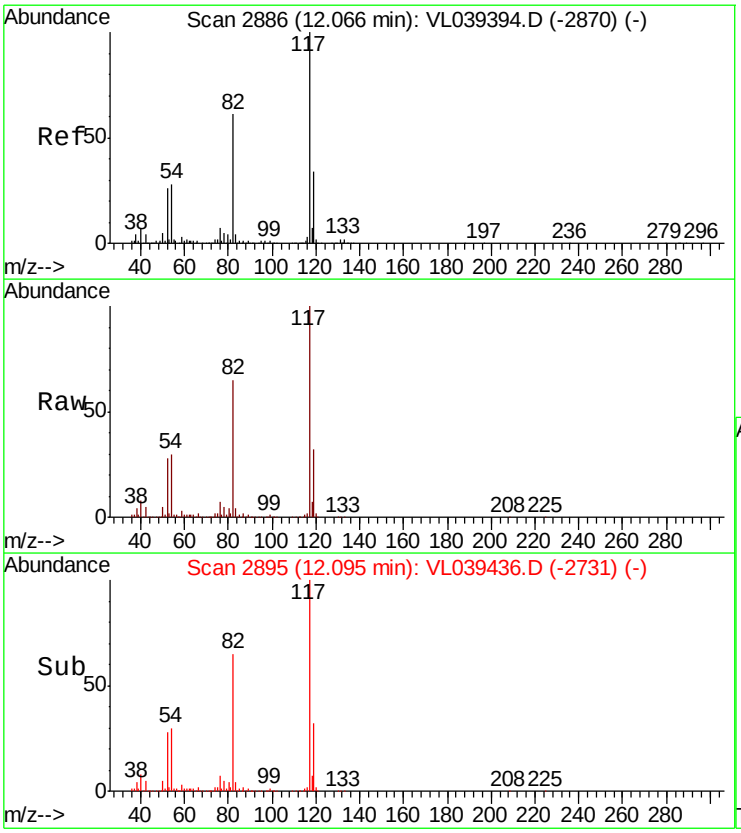
#54
1,2-Dibromoethane
Concen: 0.391 ppbv
RT: 10.63
Delta R.T
Lab File:
Acq: 6 Jul 2022 2:26

Instrument :
MSVOA_L
ClientSampleId :
MDL-AIR-03-QT2-2022

Tgt Ion:107 Resp: 48455

Ion	Ratio	Lower	Upper
107	100		
109	97.8	74.8	112.2

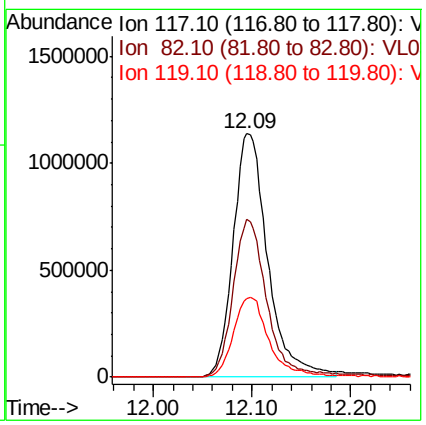


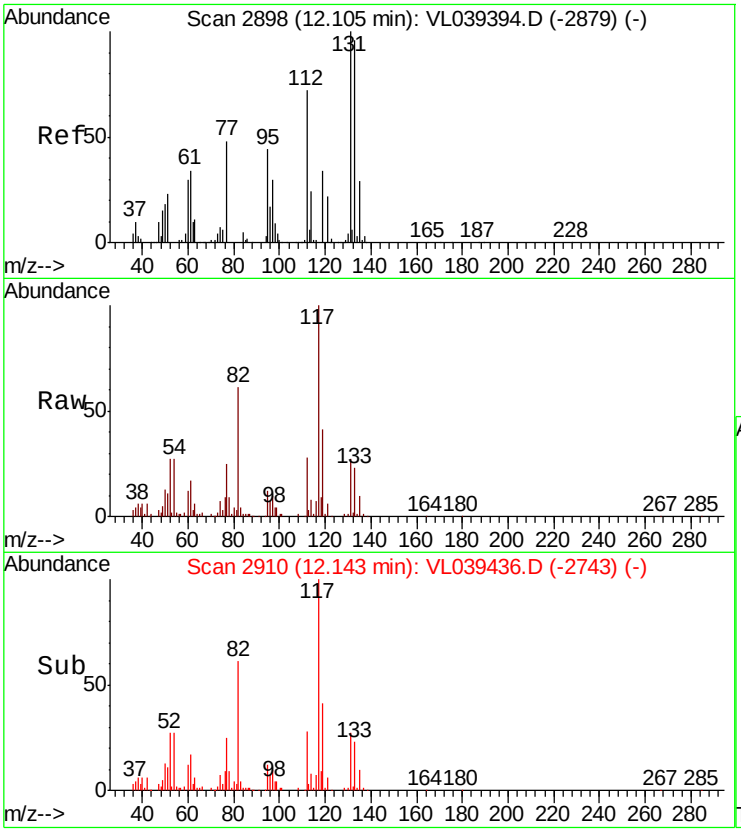


#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 12.09 min Scan# 2895
Delta R.T. 0.03 min
Lab File: VL039436.D
Acq: 6 Jul 2022 2:26

Tgt Ion:117 Resp: 2769043

Ion	Ratio	Lower	Upper
117	100		
82	64.5	50.8	76.2
119	34.9	24.1	36.1



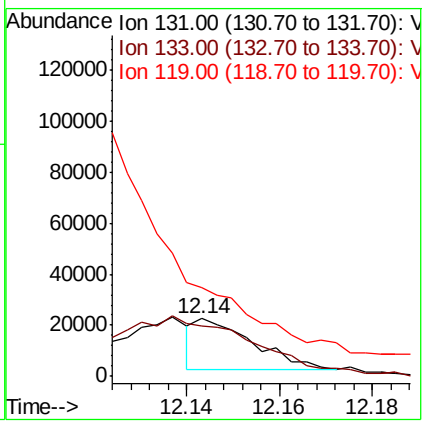


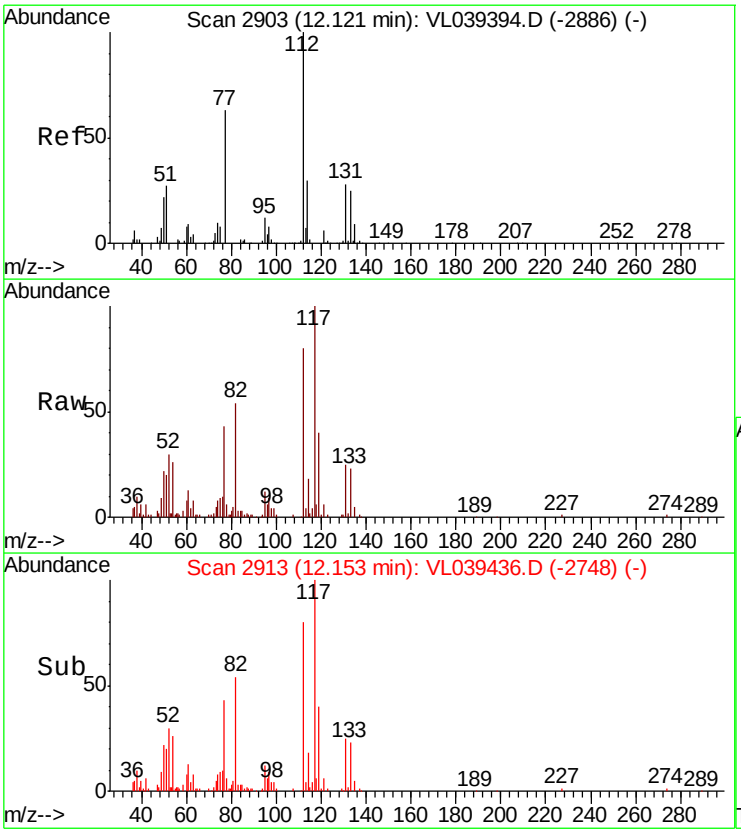
#56
1,1,1,2-Tetrachloroethane
Concen: 0.142 ppbv
RT: 12.14
Delta R.T
Lab File:
Acq: 6 Jul 2022 2:26

Instrument :
MSVOA_L
ClientSampleId :
MDL-AIR-03-QT2-2022

Tgt Ion:131 Resp: 17413

Ion	Ratio	Lower	Upper
131	100		
133	0.0	76.8	115.2#
119	0.0	46.2	69.4#

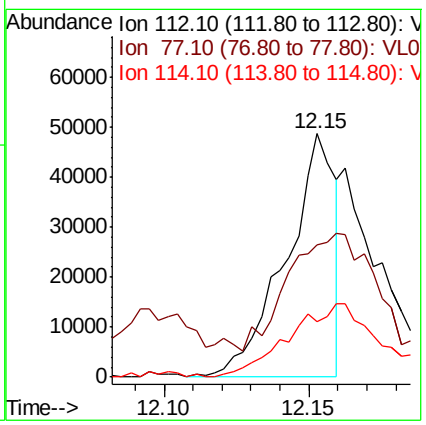


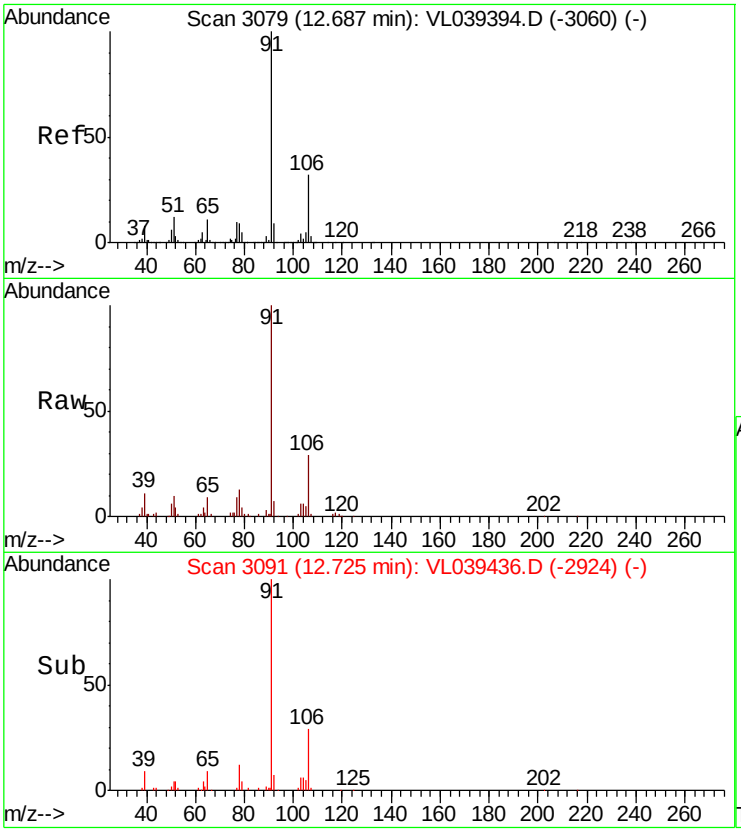


#57
Chlorobenzene
Concen: 0.265 ppbv
RT: 12.15 min Scan# 2913
Delta R.T. 0.03 min
Lab File: VL039436.D
Acq: 6 Jul 2022 2:26

Tgt Ion:112 Resp: 56833

Ion	Ratio	Lower	Upper
112	100		
77	34.9	51.0	76.4#
114	23.4	27.5	33.6#



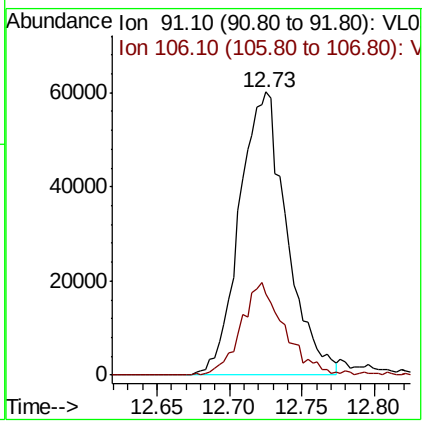


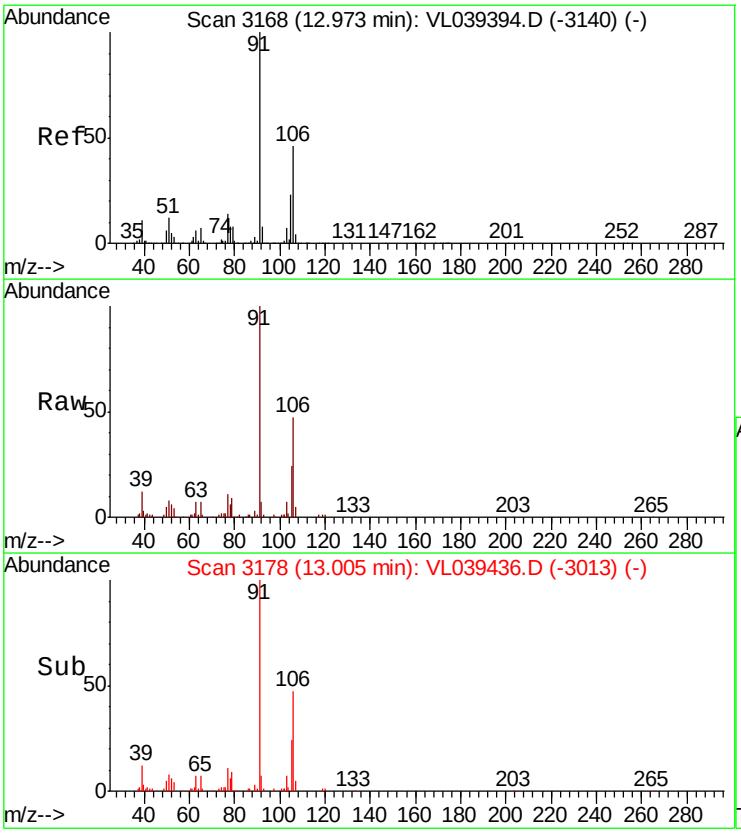
#58
Ethyl Benzene
Concen: 0.381 ppbv
RT: 12.73
Delta R.T
Lab File:
Acq: 6 Jul 2022 2:26

Instrument :
MSVOA_L
ClientSampleId :
MDL-AIR-03-QT2-2022

Tgt Ion: 91 Resp: 136216

Ion	Ratio	Lower	Upper
91	100		
106	28.7	25.4	38.0

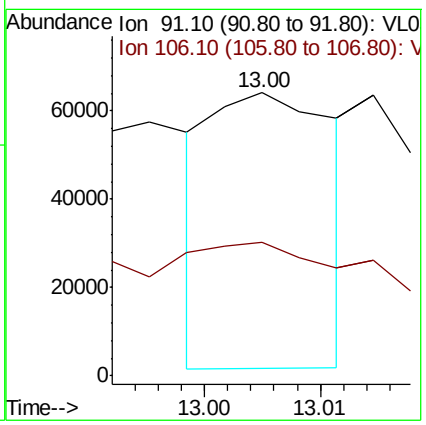


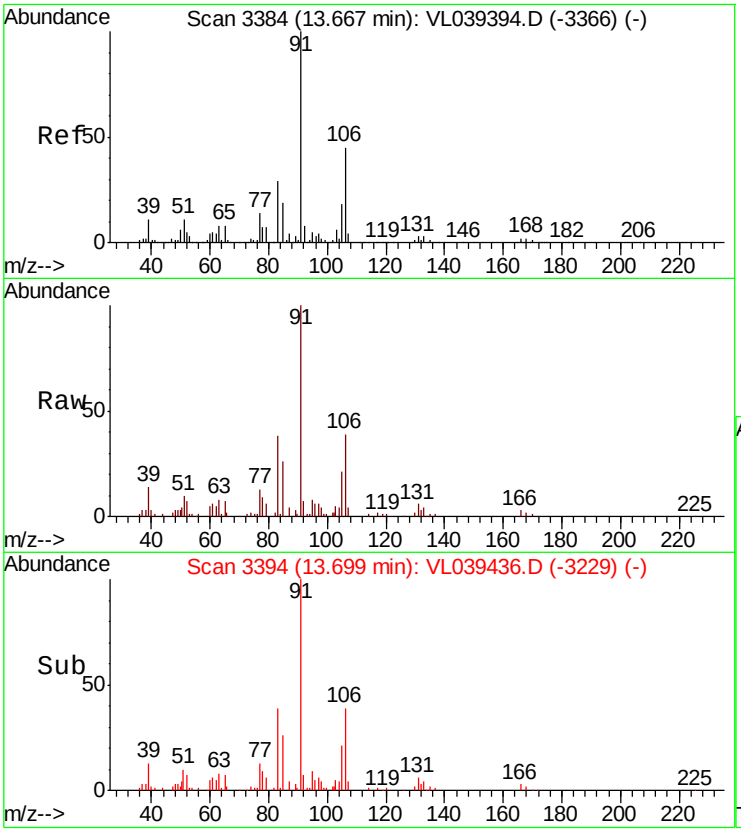


#59
m/p-Xylene
Concen: 0.145 ppbv
RT: 13.00 min Scan# 3178
Delta R.T. 0.03 min
Lab File: VL039436.D
Acq: 6 Jul 2022 2:26

Tgt Ion: 91 Resp: 45599

Ion	Ratio	Lower	Upper
91	100		
106	236.7	35.4	53.2#



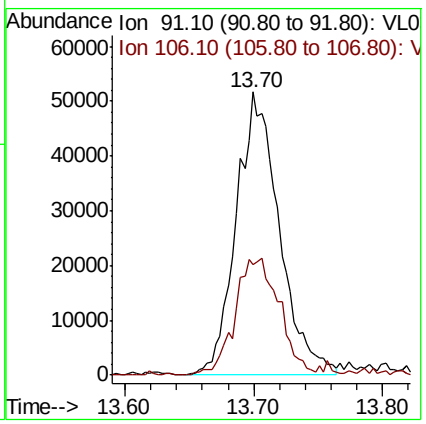


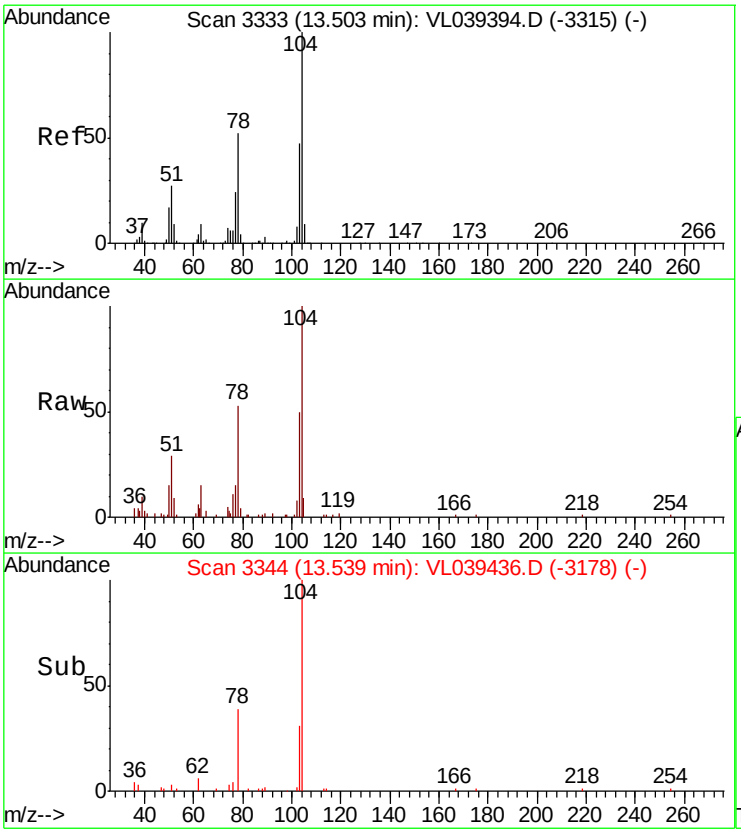
#60
o-Xylene
Concen: 0.403 ppbv
RT: 13.70
Delta R.T
Lab File:
Acq: 6 Jul 2022 2:26

Instrument :
MSVOA_L
ClientSampleId :
MDL-AIR-03-QT2-2022

Tgt Ion: 91 Resp: 120184

Ion	Ratio	Lower	Upper
91	100		
106	43.7	22.4	67.3

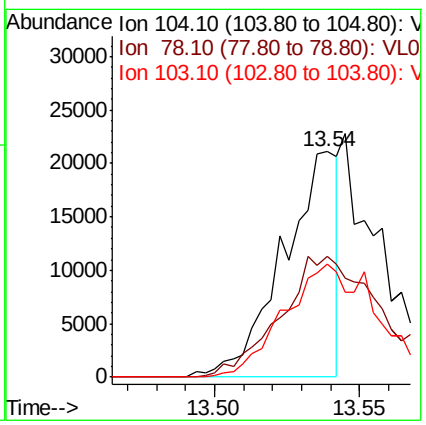


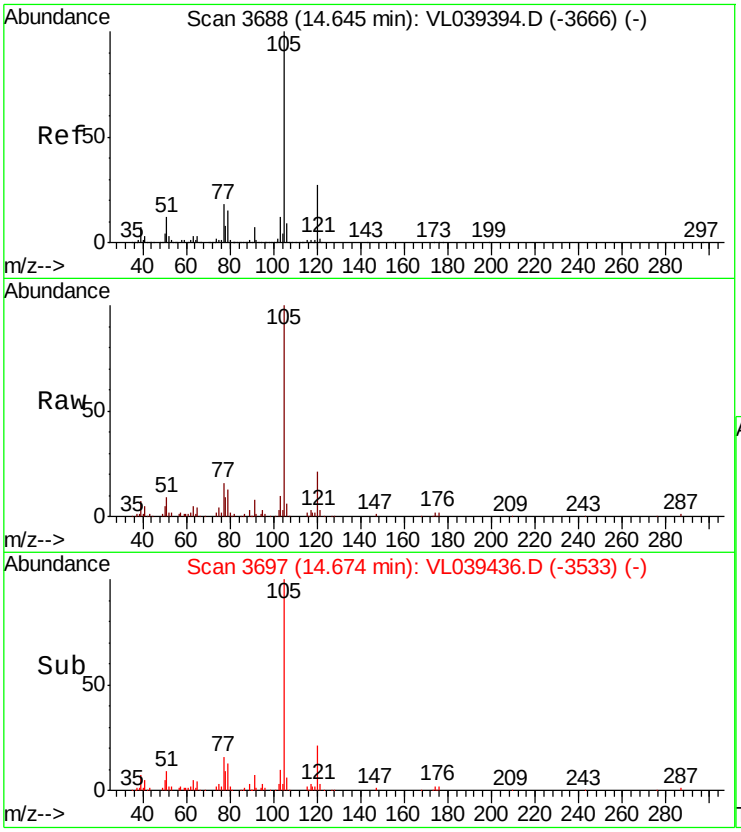


#61
Styrene
Concen: 0.170 ppbv
RT: 13.54 min Scan# 3344
Delta R.T. 0.04 min
Lab File: VL039436.D
Acq: 6 Jul 2022 2:26

Tgt Ion:104 Resp: 27442

Ion	Ratio	Lower	Upper
104	100		
78	102.0	41.2	61.8#
103	93.9	38.7	58.1#



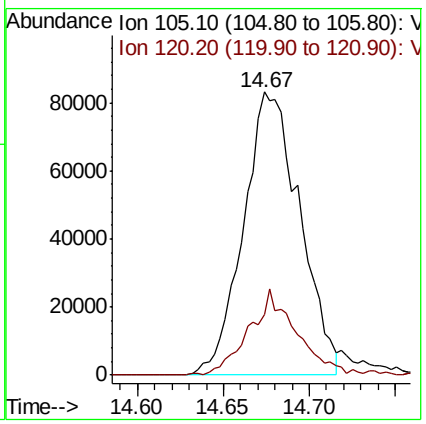


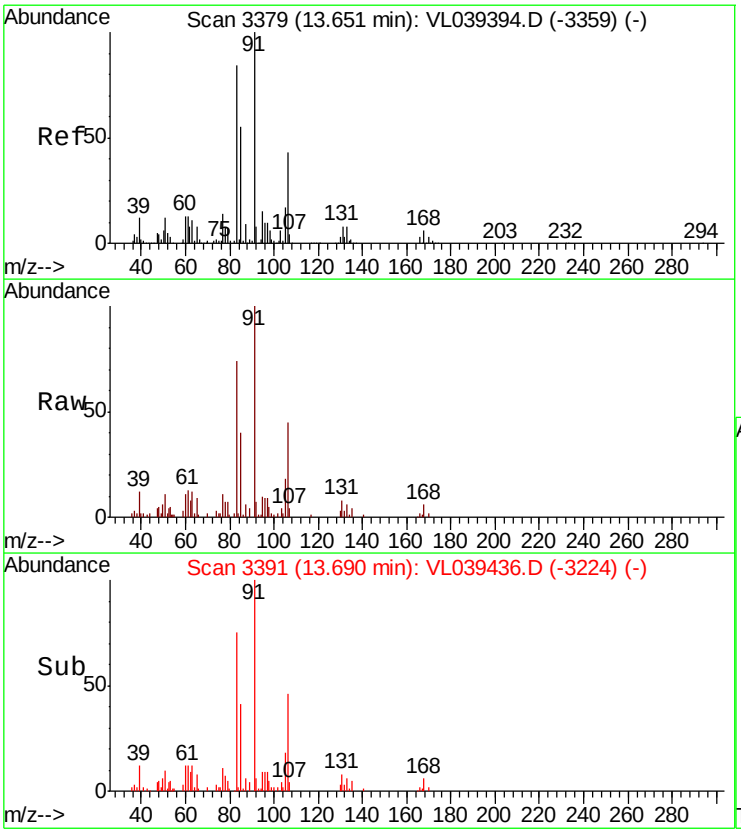
#62
Isopropylbenzene
Concen: 0.416 ppbv
RT: 14.67
Delta R.T
Lab File:
Acq: 6 Jul 2022 2:26

Instrument :
MSVOA_L
ClientSampleId :
MDL-AIR-03-QT2-2022

Tgt Ion:105 Resp: 188944

Ion	Ratio	Lower	Upper
105	100		
120	26.3	20.7	31.1

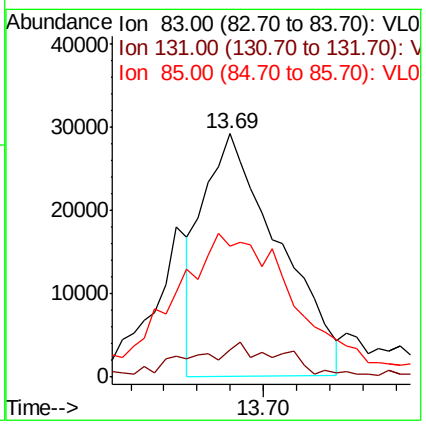


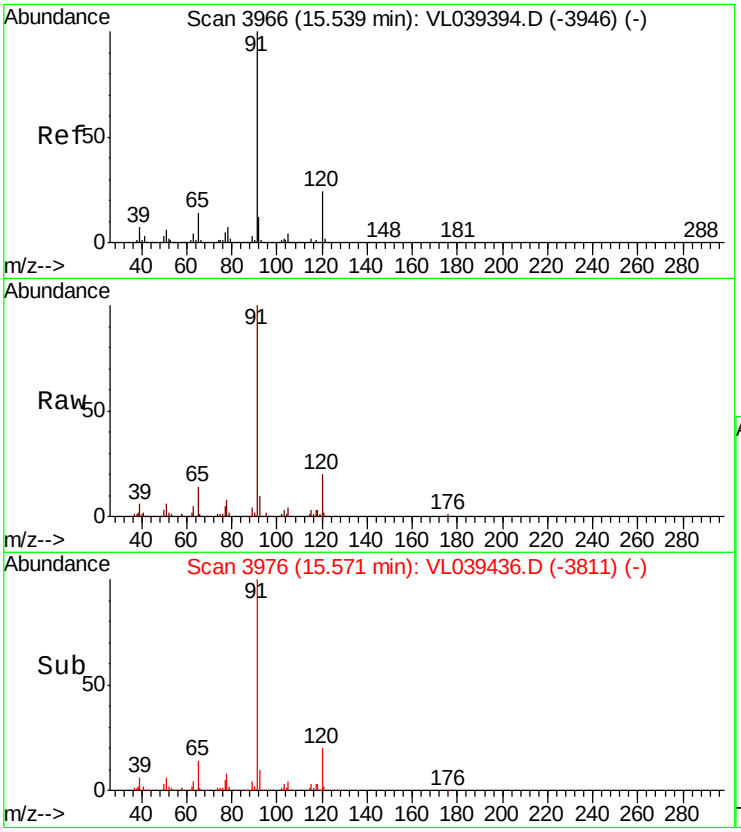


#63
1,1,2,2-Tetrachloroethane
Concen: 0.296 ppbv
RT: 13.69 min Scan# 3391
Delta R.T. 0.04 min
Lab File: VL039436.D
Acq: 6 Jul 2022 2:26

Tgt Ion: 83 Resp: 46366

Ion	Ratio	Lower	Upper
83	100		
131	20.0	5.3	15.8#
85	103.9	33.1	99.5#



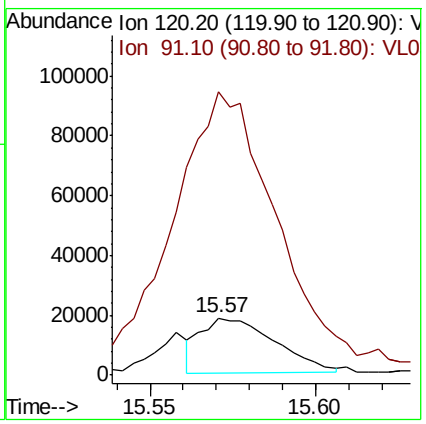


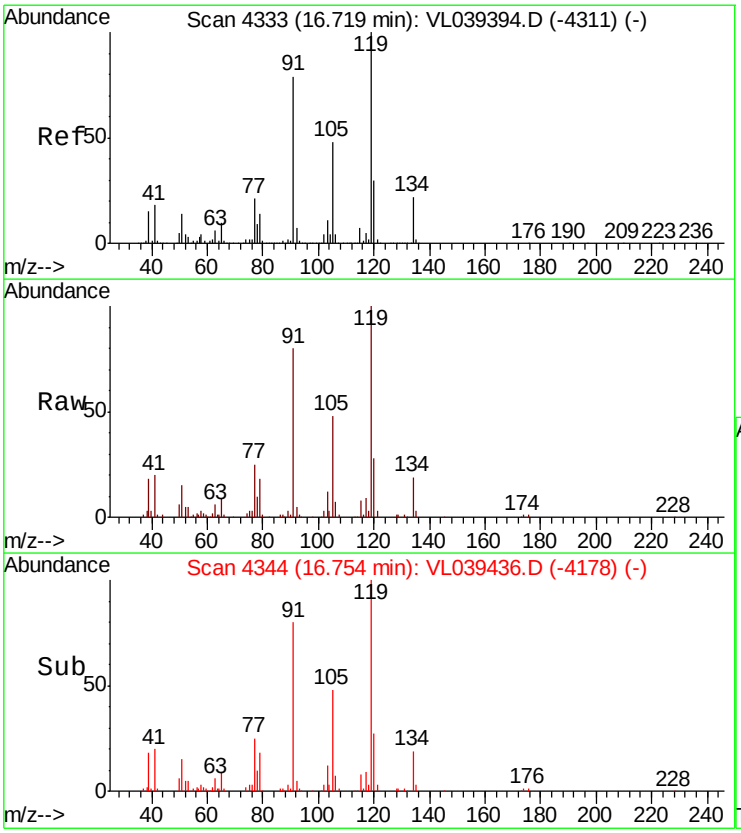
#64
n-propylbenzene
Concen: 0.247 ppbv
RT: 15.57
Delta R.T
Lab File:
Acq: 6 Jul 2022 2:26

Instrument :
MSVOA_L
ClientSampleId :
MDL-AIR-03-QT2-2022

Tgt Ion:120 Resp: 28507

Ion	Ratio	Lower	Upper
120	100		
91	801.6	367.2	550.8#

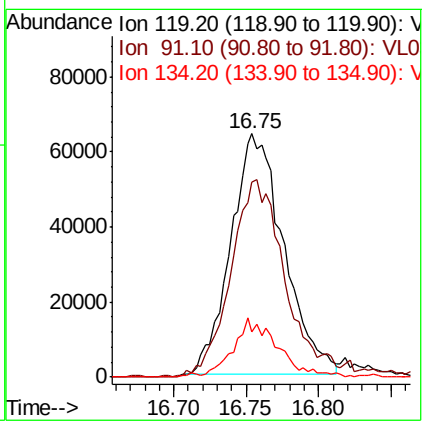


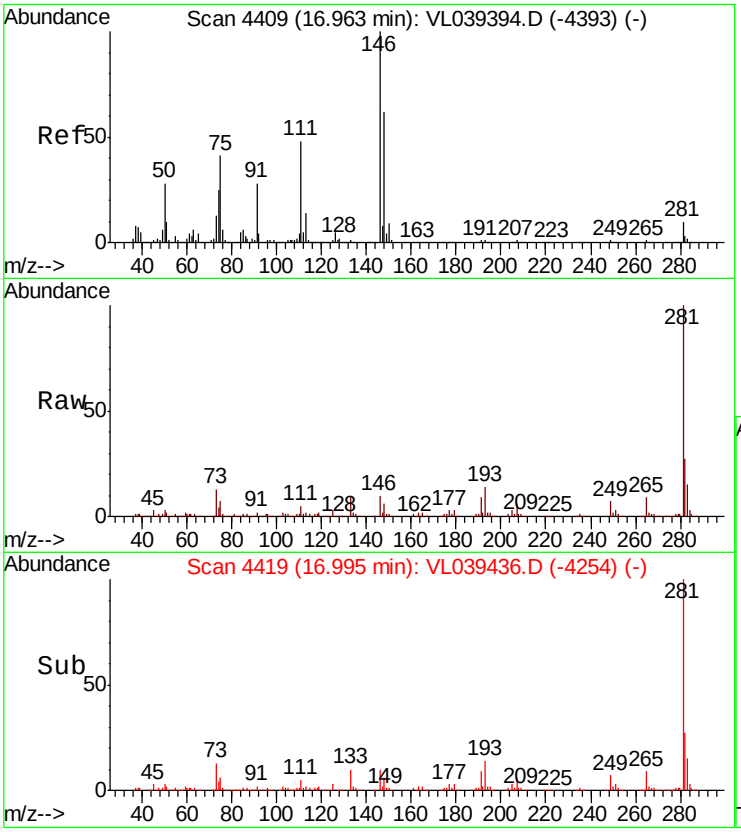


#65
tert-Butylbenzene
Concen: 0.388 ppbv
RT: 16.75 min Scan# 4344
Delta R.T. 0.04 min
Lab File: VL039436.D
Acq: 6 Jul 2022 2:26

Tgt Ion:119 Resp: 163031

Ion	Ratio	Lower	Upper
119	100		
91	87.9	63.4	95.2
134	20.9	15.9	23.9



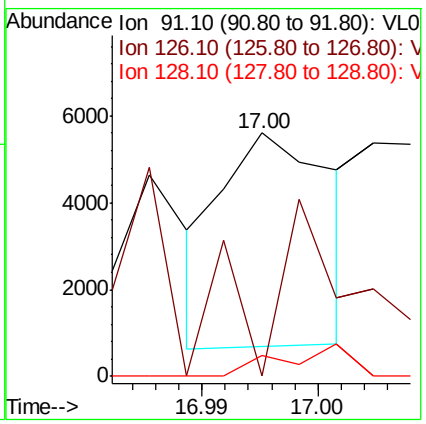


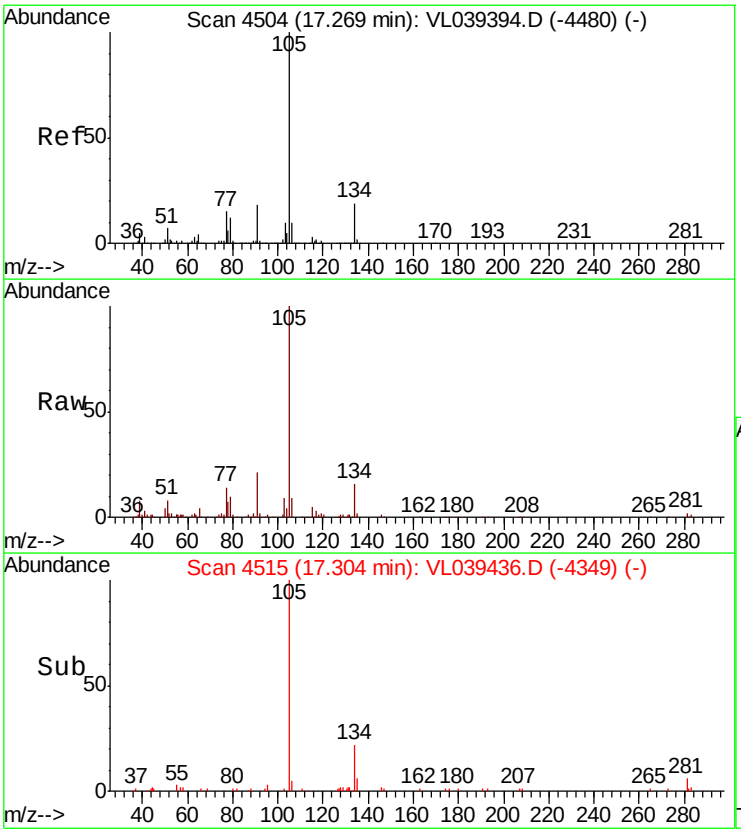
#66
Benzyl Chloride
Concen: 0.081 ppbv
RT: 17.00
Delta R.T
Lab File:
Acq: 6 Jul 2022 2:26

Instrument :
MSVOA_L
ClientSampleId :
MDL-AIR-03-QT2-2022

Tgt Ion: 91 Resp: 3247

Ion	Ratio	Lower	Upper
91	100		
126	0.0	13.1	19.7#
128	16.8	4.4	6.6#

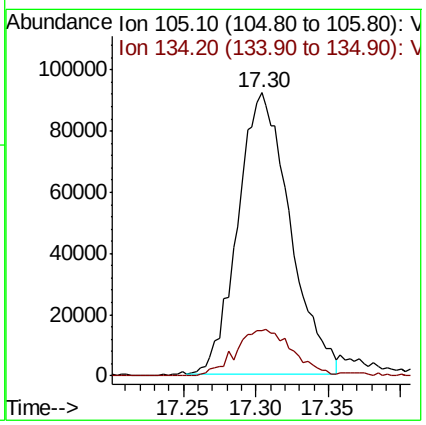


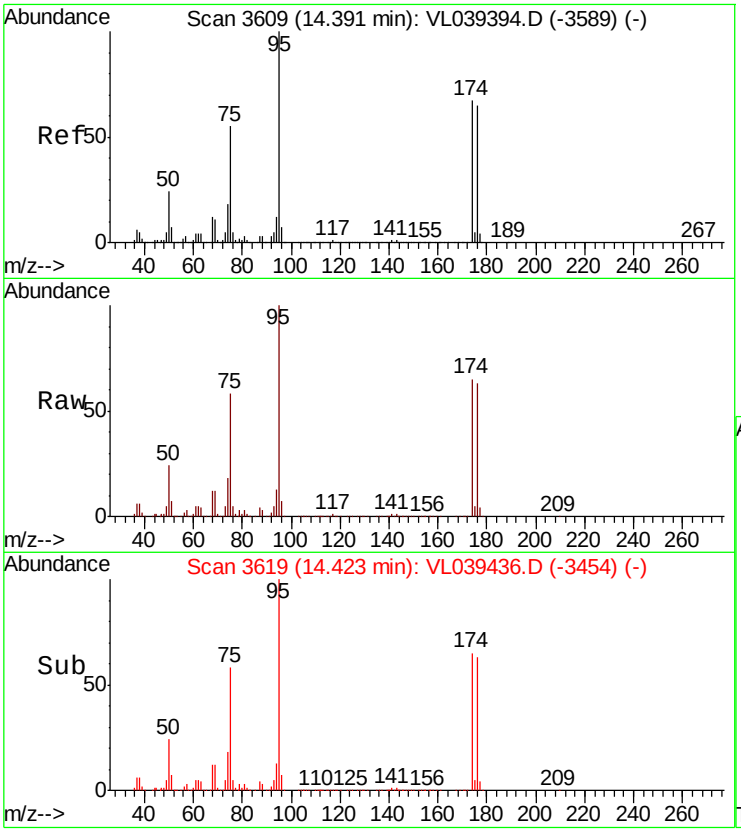


#67
sec-Butylbenzene
Concen: 0.406 ppbv
RT: 17.30 min Scan# 4515
Delta R.T. 0.04 min
Lab File: VL039436.D
Acq: 6 Jul 2022 2:26

Tgt Ion:105 Resp: 229938

Ion	Ratio	Lower	Upper
105	100		
134	18.9	14.8	22.2



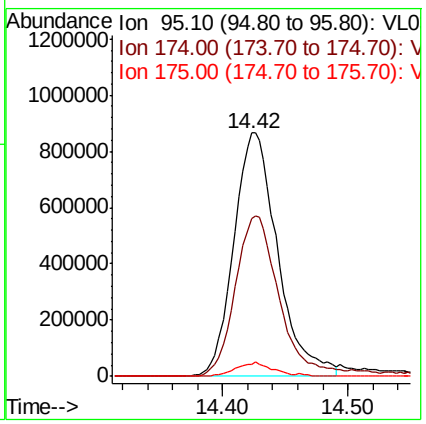


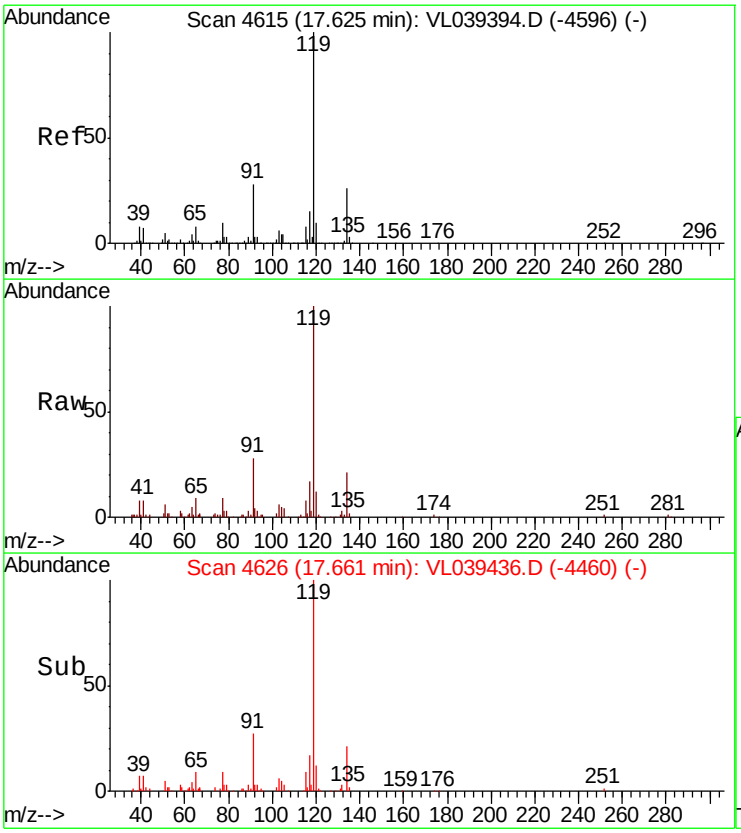
#68
1-Bromo-4-Fluorobenzene
Concen: 10.224 ppbv
RT: 14.42
Delta R.T
Lab File:
Acq: 6 Jul 2022 2:26

Instrument :
MSVOA_L
ClientSampleId :
MDL-AIR-03-QT2-2022

Tgt Ion: 95 Resp: 2100265

Ion	Ratio	Lower	Upper
95	100		
174	70.0	55.9	83.9
175	5.4	4.2	6.4

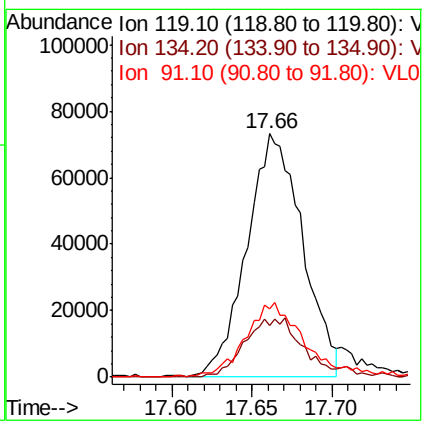


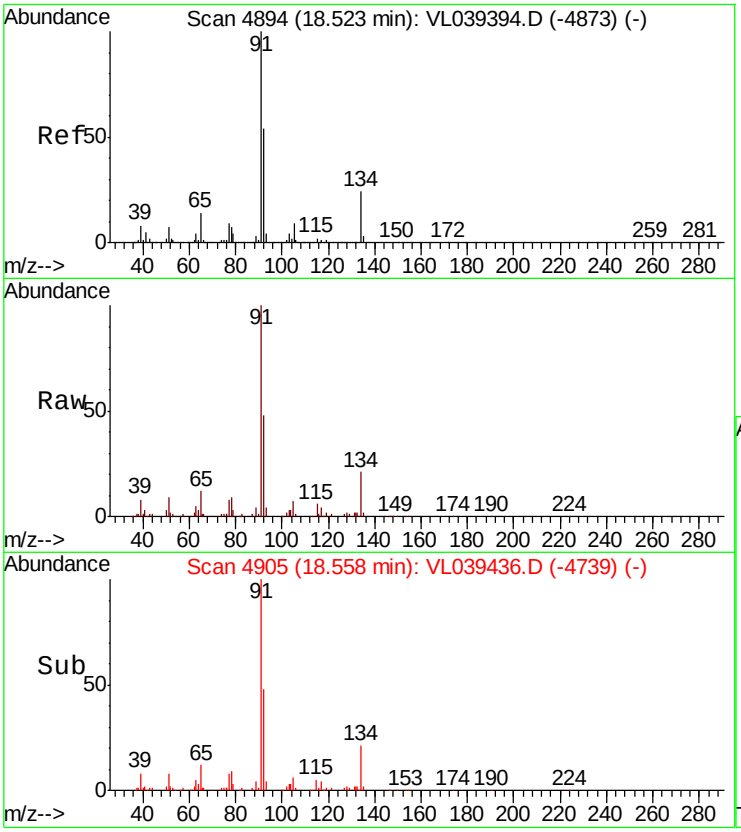


#69
p-Isopropyltoluene
Concen: 0.367 ppbv
RT: 17.66 min Scan# 4626
Delta R.T. 0.04 min
Lab File: VL039436.D
Acq: 6 Jul 2022 2:26

Tgt Ion:119 Resp: 176071

Ion	Ratio	Lower	Upper
119	100		
134	26.2	20.3	30.5
91	33.4	22.9	34.3



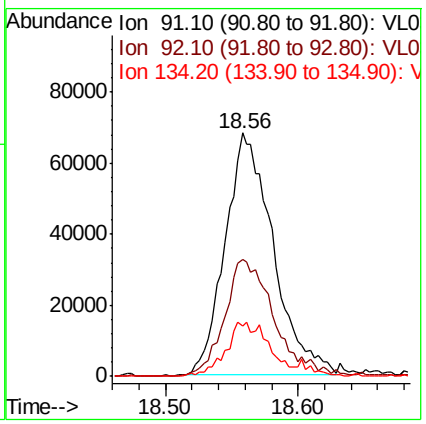


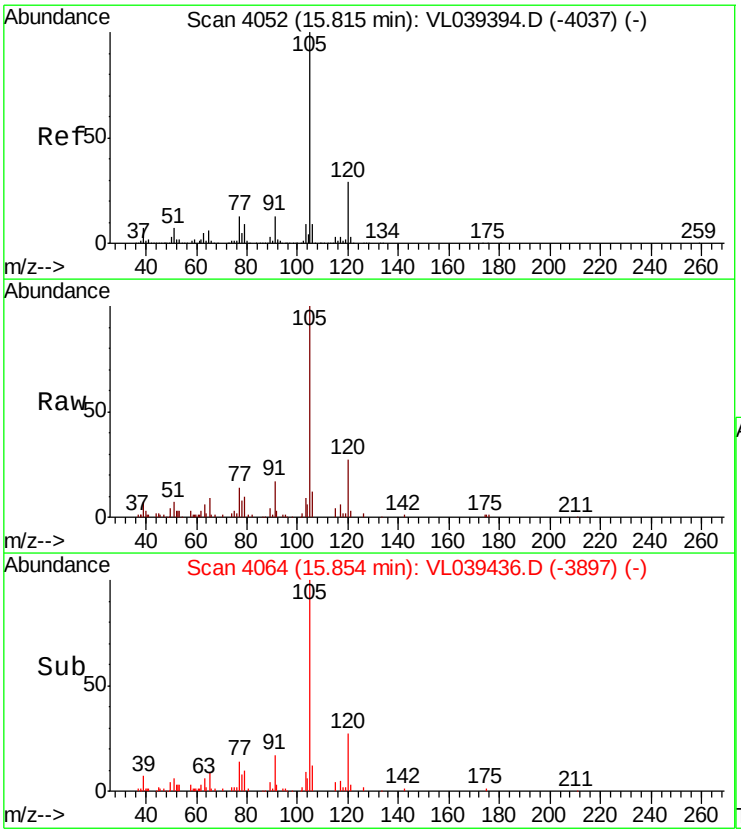
#70
n-Butylbenzene
Concen: 0.366 ppbv
RT: 18.56
Delta R.T
Lab File:
Acq: 6 Jul 2022 2:26

Instrument :
MSVOA_L
ClientSampleId :
MDL-AIR-03-QT2-2022

Tgt Ion: 91 Resp: 170754

Ion	Ratio	Lower	Upper
91	100		
92	50.6	43.4	65.2
134	22.2	18.9	28.3

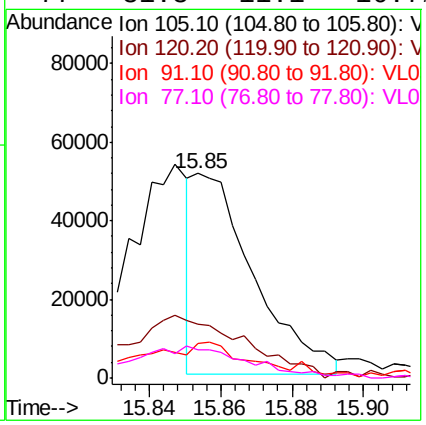


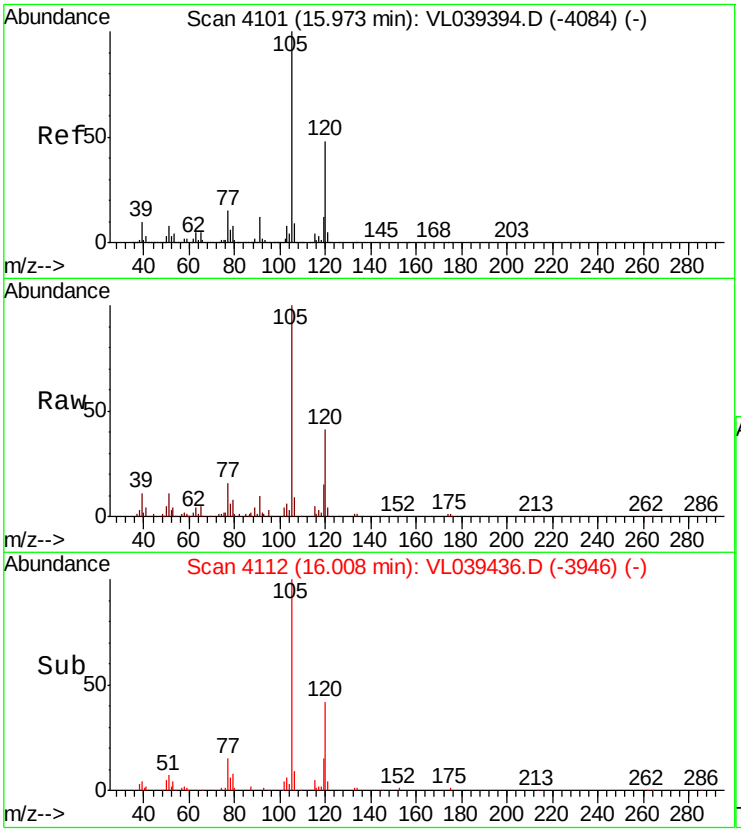


#72
4-Ethyltoluene
Concen: 0.170 ppbv
RT: 15.85 min Scan# 4064
Delta R.T. 0.04 min
Lab File: VL039436.D
Acq: 6 Jul 2022 2:26

Tgt Ion:105 Resp: 59726

Ion	Ratio	Lower	Upper
105	100		
120	0.0	24.2	36.2#
91	32.2	10.2	15.4#
77	31.3	11.1	16.7#



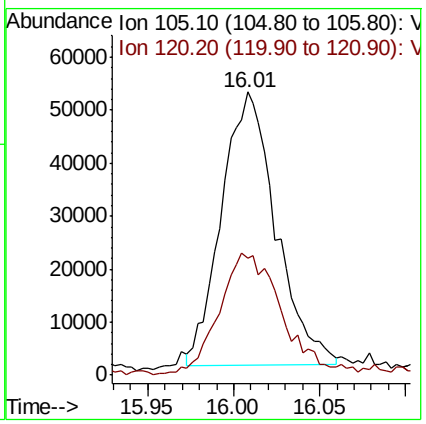


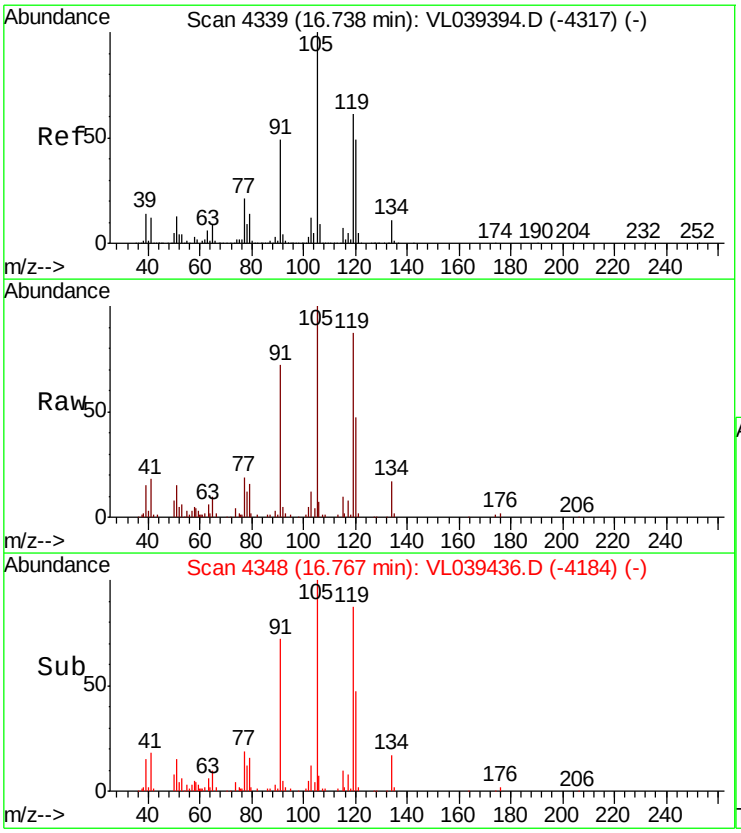
#73
1,3,5-Trimethylbenzene
Concen: 0.352 ppbv
RT: 16.01
Delta R.T
Lab File:
Acq: 6 Jul 2022 2:26

Instrument :
MSVOA_L
ClientSampleId :
MDL-AIR-03-QT2-2022

Tgt Ion:105 Resp: 113366

Ion	Ratio	Lower	Upper
105	100		
120	41.6	38.2	57.4

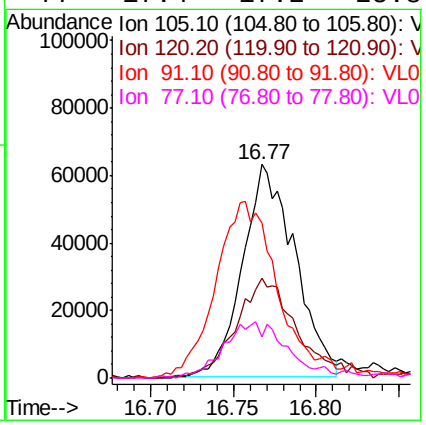


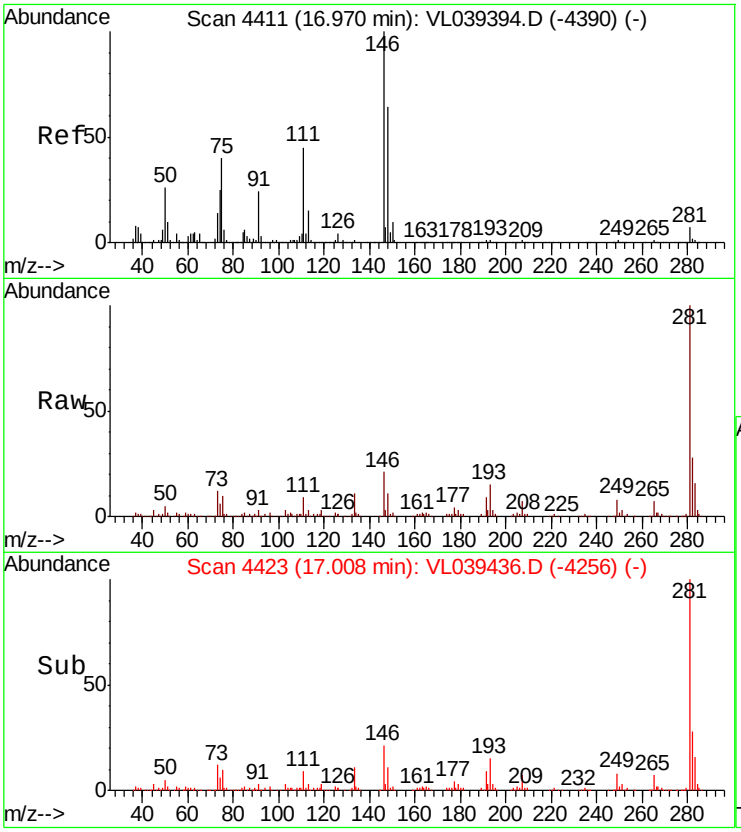


#74
1,2,4-Trimethylbenzene
Concen: 0.387 ppbv
RT: 16.77 min Scan# 4348
Delta R.T. 0.03 min
Lab File: VL039436.D
Acq: 6 Jul 2022 2:26

Tgt Ion:105 Resp: 137911

Ion	Ratio	Lower	Upper
105	100		
120	45.8	39.5	59.3
91	68.3	39.2	58.8#
77	17.4	17.2	25.8



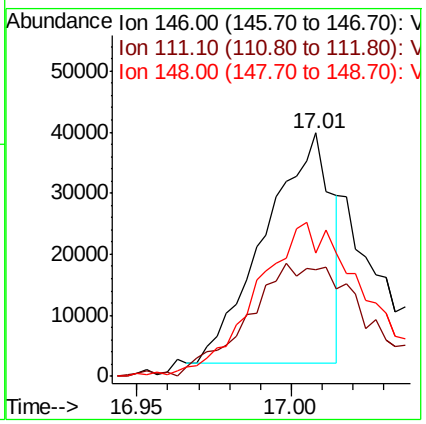


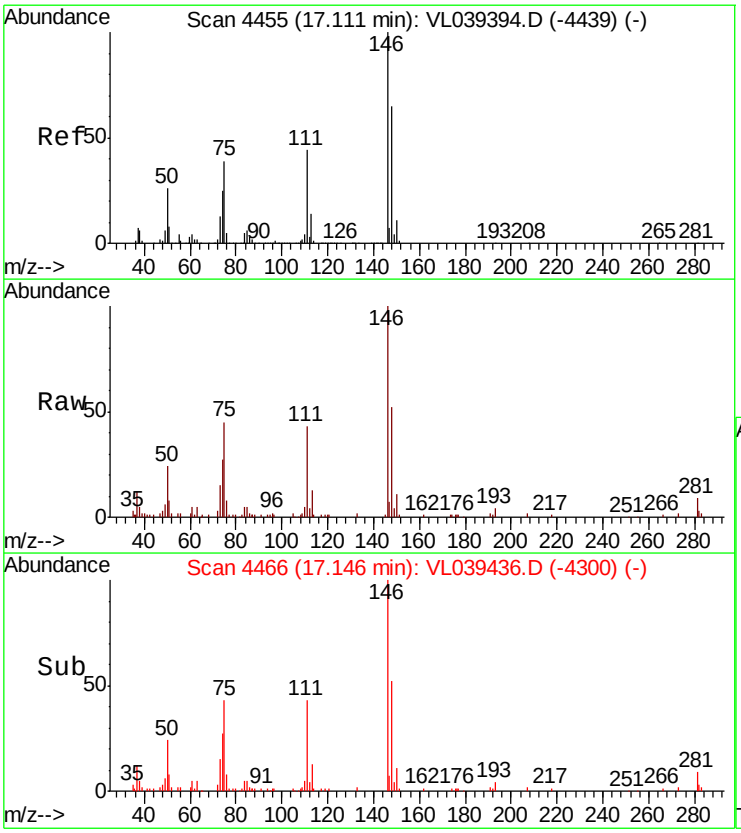
#75
1,3-Dichlorobenzene
Concen: 0.266 ppbv
RT: 17.01
Delta R.T
Lab File:
Acq: 6 Jul 2022 2:26

Instrument :
MSVOA_L
ClientSampleId :
MDL-AIR-03-QT2-2022

Tgt Ion:146 Resp: 56519

Ion	Ratio	Lower	Upper
146	100		
111	93.7	22.9	68.7#
148	118.0	32.1	96.5#

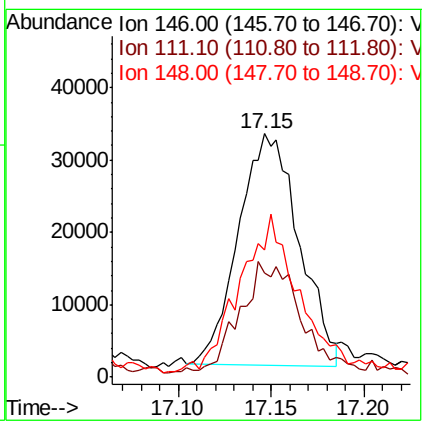


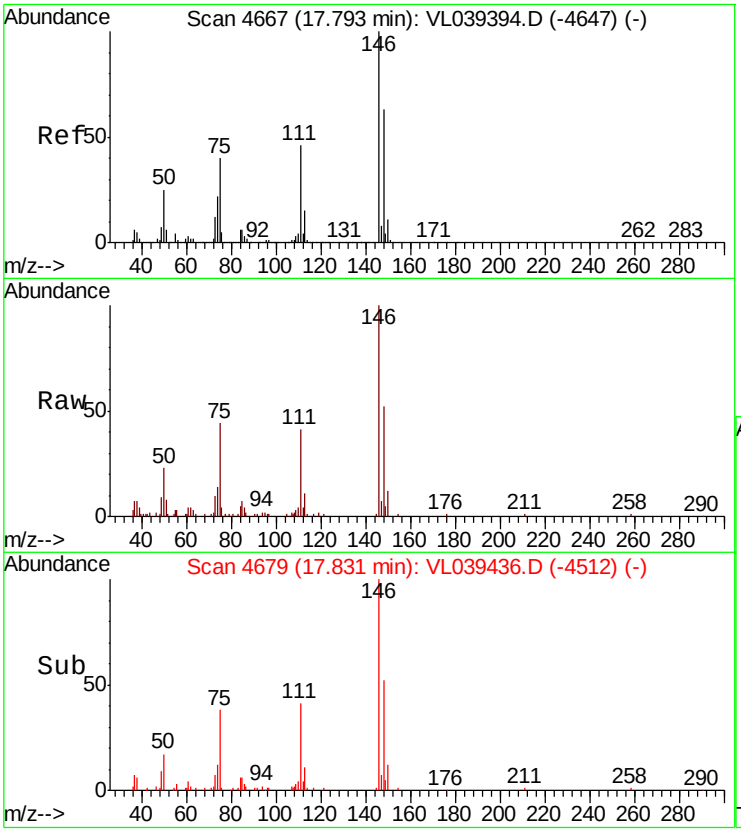


#76
1,4-Dichlorobenzene
Concen: 0.346 ppbv
RT: 17.15 min Scan# 4466
Delta R.T. 0.04 min
Lab File: VL039436.D
Acq: 6 Jul 2022 2:26

Tgt Ion:146 Resp: 72995

Ion	Ratio	Lower	Upper
146	100		
111	58.8	22.9	68.8
148	75.3	33.6	100.8



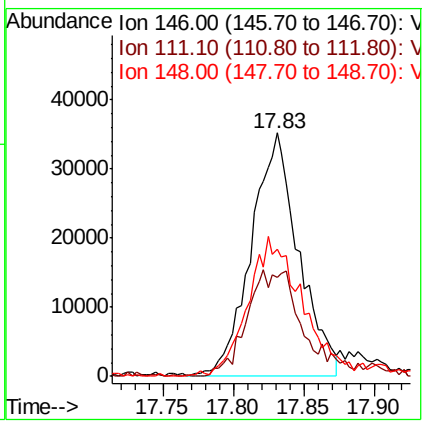


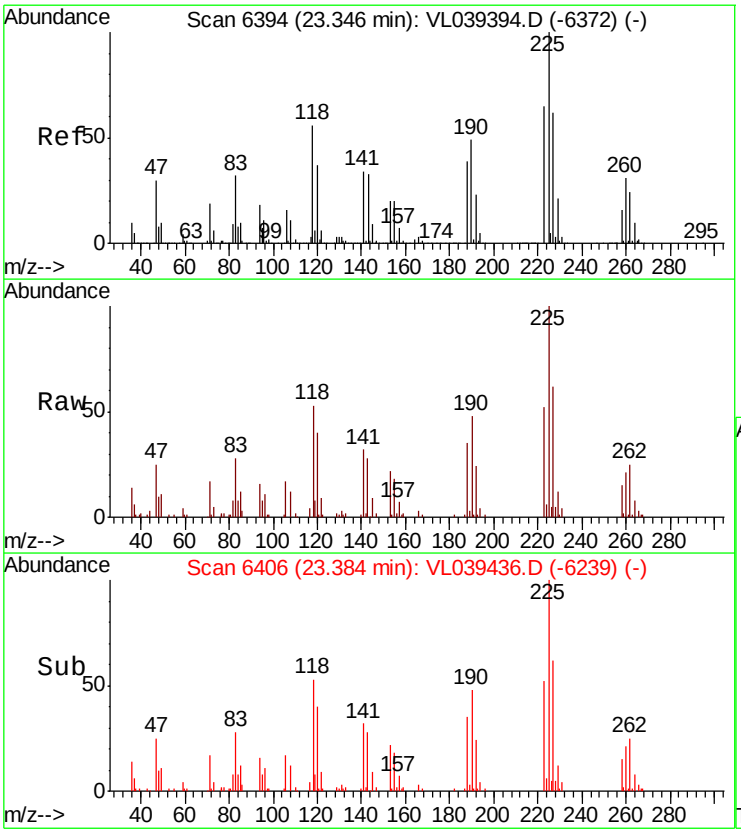
#77
1,2-Dichlorobenzene
Concen: 0.393 ppbv
RT: 17.83
Delta R.T
Lab File:
Acq: 6 Jul 2022 2:26

Instrument :
MSVOA_L
ClientSampleId :
MDL-AIR-03-QT2-2022

Tgt Ion:146 Resp: 82933

Ion	Ratio	Lower	Upper
146	100		
111	54.5	23.8	71.5
148	69.1	32.3	96.8

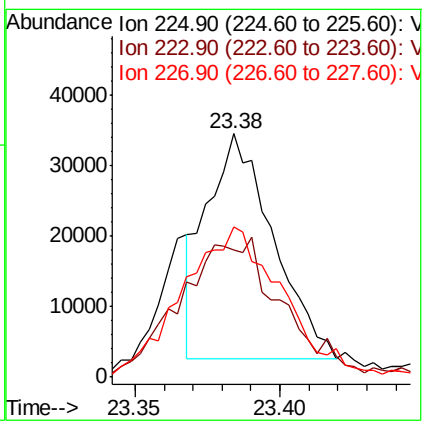


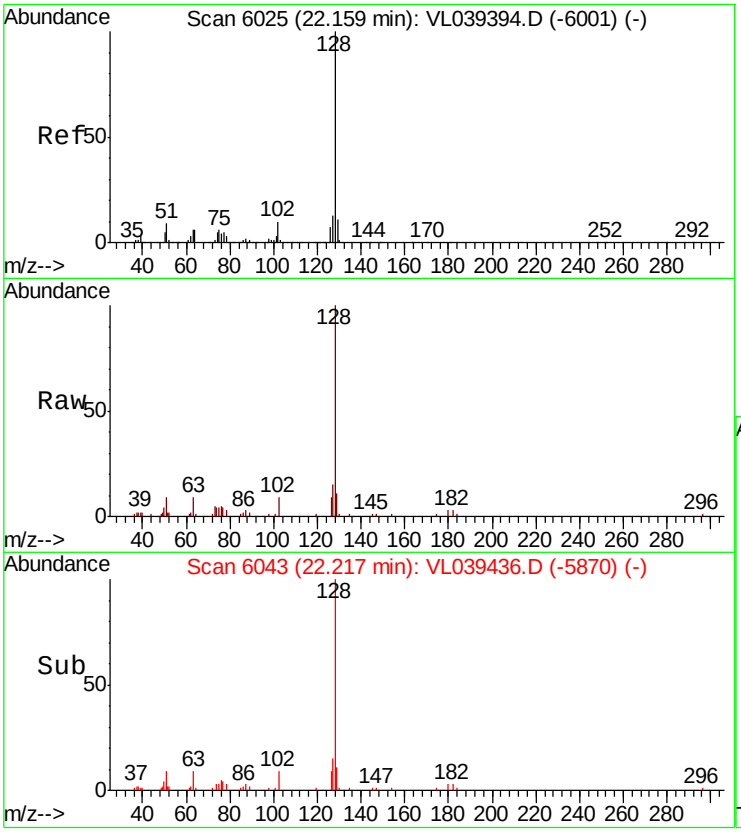


#78
Hexachloro-1,3-Butadiene
Concen: 0.297 ppbv
RT: 23.38 min Scan# 6406
Delta R.T. 0.04 min
Lab File: VL039436.D
Acq: 6 Jul 2022 2:26

Tgt Ion:225 Resp: 50381

Ion	Ratio	Lower	Upper
225	100		
223	99.4	51.8	77.6#
227	103.8	51.4	77.2#



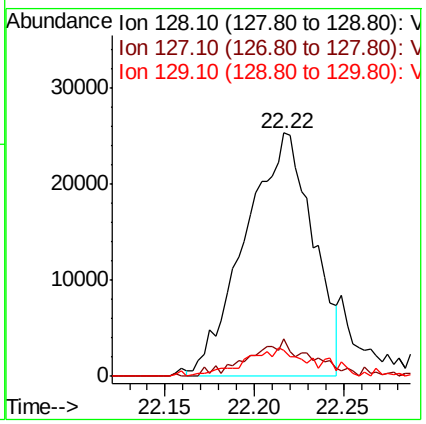


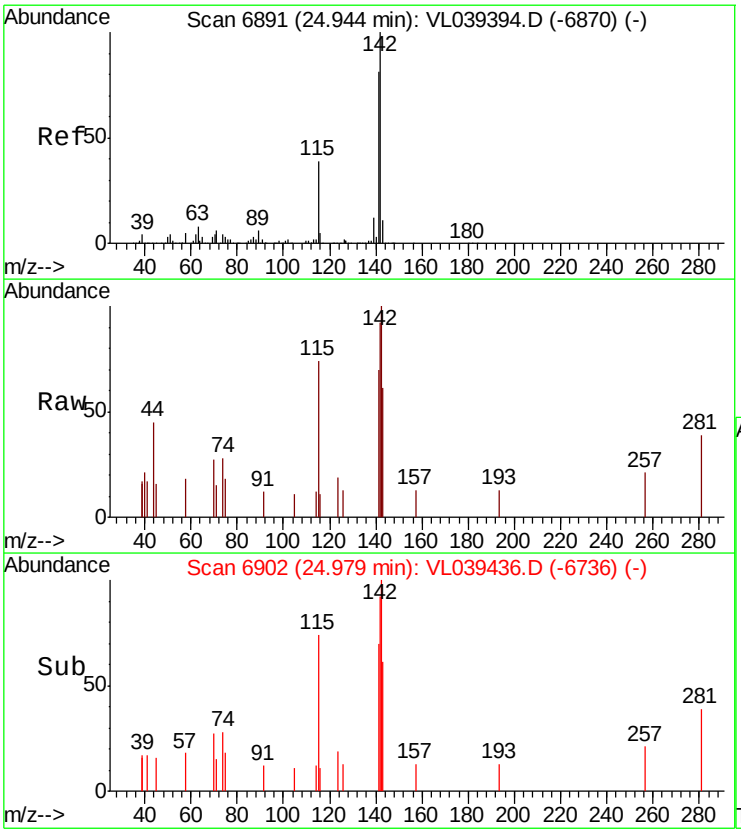
#79
Naphthalene
Concen: 0.272 ppbv
RT: 22.22
Delta R.T
Lab File:
Acq: 6 Jul 2022 2:26

Instrument :
MSVOA_L
ClientSampleId :
MDL-AIR-03-QT2-2022

Tgt Ion:128 Resp: 66748

Ion	Ratio	Lower	Upper
128	100		
127	13.5	10.6	15.8
129	10.9	8.8	13.2

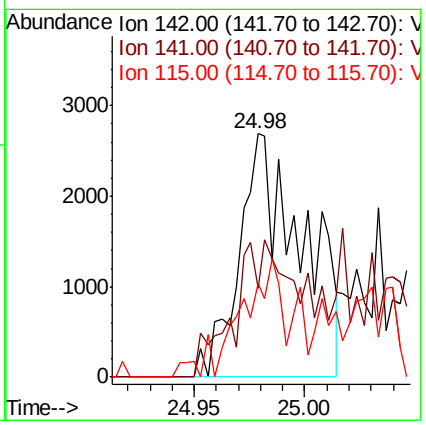


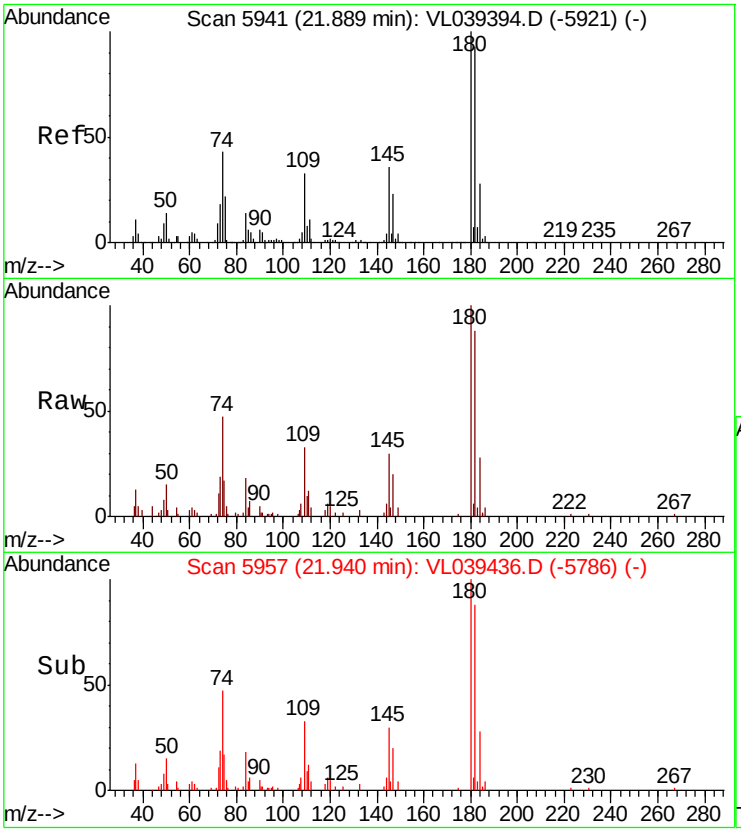


#80
Naphthalene,2-methyl-
Concen: 0.063 ppbv
RT: 24.98 min Scan# 6902
Delta R.T. 0.04 min
Lab File: VL039436.D
Acq: 6 Jul 2022 2:26

Tgt Ion:142 Resp: 5301

Ion	Ratio	Lower	Upper
142	100		
141	56.0	68.9	103.3#
115	40.4	30.0	45.0





#81
1,2,4-Trichlorobenzene
Concen: 0.176 ppbv
RT: 21.94
Delta R.T
Lab File:
Acq: 6 Jul 2022 2:28

Instrument :
MSVOA_L
ClientSampleId :
MDL-AIR-03-QT2-2022

Tgt Ion:180 Resp: 28168

Ion	Ratio	Lower	Upper
180	100		
182	0.0	77.1	115.7#
184	0.0	24.3	36.5#