

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL041223\
 Data File : VL040350.D
 Acq On : 13 Apr 2023 00:02
 Operator : SY/MD
 Sample : 02213-15 0.1 MDL
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 MDL-AIR-03-QT2-2023

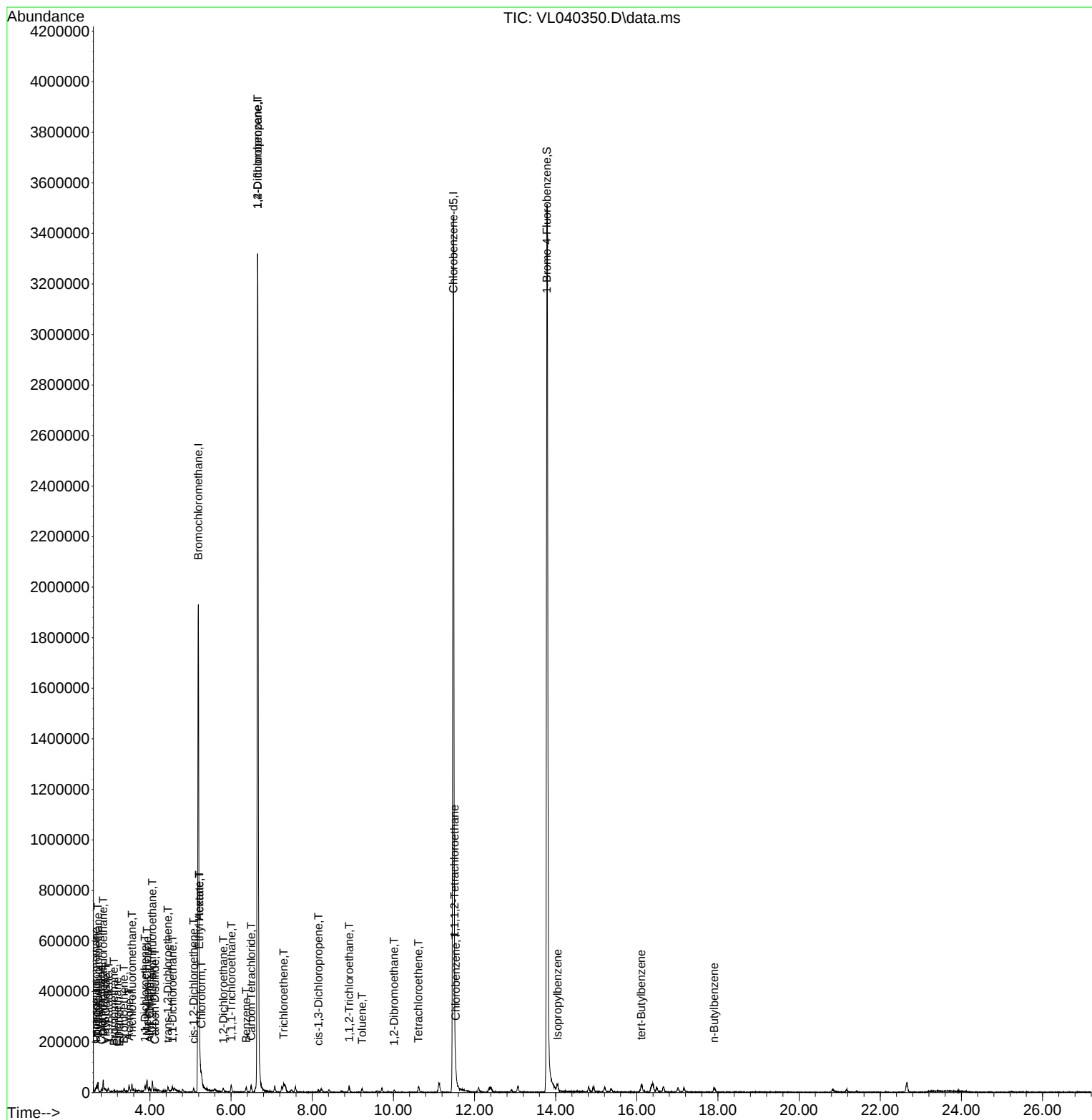
Quant Time: Apr 13 05:43:51 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL031523AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Aug 26 06:05:16 2022
 QLast Update : Tue Apr 11 04:15:53 2023
 Response via : Initial Calibration

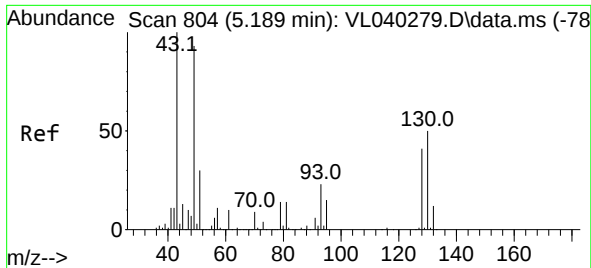
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Bromochloromethane	5.192	49	955792	10.000	ppbv	0.00
33) 1,4-Difluorobenzene	6.655	114	2336254	10.000	ppbv	0.00
55) Chlorobenzene-d5	11.478	117	2125659	10.000	ppbv	0.00
System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	13.786	95	1741099	9.781	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	97.800%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	2.719	85	20268	0.108	ppbv #	88
3) Chlorodifluoromethane	2.668	51	12669	0.105	ppbv	97
4) Chloromethane	2.803	50	8061	0.109	ppbv #	86
5) Vinyl Chloride	2.912	62	5986	0.100	ppbv	94
6) Bromomethane	3.111	94	1937	0.093	ppbv	95
7) Chloroethane	3.192	64	1137	0.049	ppbv #	26
8) Dichlorotetrafluoroethane	2.844	85	16978	0.106	ppbv	99
9) Propene	2.684	41	4231	0.092	ppbv #	25
11) Trichlorofluoromethane	3.558	101	6797	0.040	ppbv #	65
12) 1,1,2-Trichlorotrifluo...	4.060	101	5316	0.042	ppbv #	17
13) Ethanol	3.250	45	750	0.222	ppbv #	44
14) Bromoethene	3.359	108	4635	0.097	ppbv #	85
15) Acetone	3.488	43	20551	0.177	ppbv #	66
16) 1,3-Butadiene	2.980	39	1913	0.036	ppbv #	7
18) 1,1-Dichloroethene	3.877	96	2900	0.053	ppbv	93
20) Methylene Chloride	3.931	84	13160	0.269	ppbv	87
21) Allyl Chloride	3.992	41	4071	0.054	ppbv #	18
22) trans-1,2-Dichloroethene	4.442	96	2944	0.053	ppbv #	65
24) 1,1-Dichloroethane	4.561	63	10213	0.088	ppbv	99
25) Ethyl Acetate	5.217	43	10098	0.046	ppbv #	71
26) Hexane	5.214	57	3594	0.040	ppbv #	1
27) Carbon Disulfide	4.121	76	7683	0.062	ppbv #	63
29) Chloroform	5.269	83	16273	0.103	ppbv	88
31) cis-1,2-Dichloroethene	5.076	61	5921	0.068	ppbv #	77
32) 1,1,1-Trichloroethane	6.008	97	5374	0.036	ppbv #	1
35) Carbon Tetrachloride	6.494	117	8983	0.061	ppbv #	90
36) Benzene	6.372	78	14755	0.083	ppbv	94
37) 1,2-Dichloroethane	5.809	62	8684	0.075	ppbv #	91
38) Trichloroethene	7.294	130	4518	0.046	ppbv	96
39) 1,2-Dichloropropane	6.655	63	612286	8.765	ppbv #	25
46) cis-1,3-Dichloropropene	8.156	75	3361	0.041	ppbv #	85
47) 1,1,2-Trichloroethane	8.909	97	4866	0.065	ppbv #	51
52) Tetrachloroethene	10.616	164	1780	0.033	ppbv #	54
53) Toluene	9.230	91	5966	0.032	ppbv #	21
54) 1,2-Dibromoethane	10.015	107	3978	0.052	ppbv	99
56) 1,1,1,2-Tetrachloroethane	11.510	131	3419	0.038	ppbv #	9
57) Chlorobenzene	11.539	112	8997	0.060	ppbv #	51
62) Isopropylbenzene	14.043	105	12909	0.043	ppbv #	70
65) tert-Butylbenzene	16.111	119	8566	0.033	ppbv #	43
70) n-Butylbenzene	17.908	91	10899	0.034	ppbv #	67

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

Instrument :
MSVOA_L
ClientSampleId :
MDL-AIR-03-QT2-2023

Quant Time: Apr 13 05:43:51 2023
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL031523AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LFri Aug 26 06:05:16 2022
QLast Update : Tue Apr 11 04:15:53 2023
Response via : Initial Calibration





#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.192 min Scan# 80

Delta R.T. 0.003 min

Lab File: VL040350.D

Acq: 13 Apr 2023 00:02

Instrument :

MSVOA_L

ClientSampleId :

MDL-AIR-03-QT2-2023

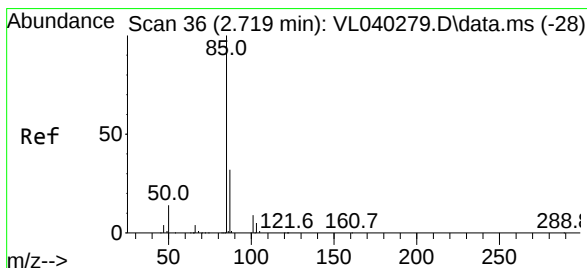
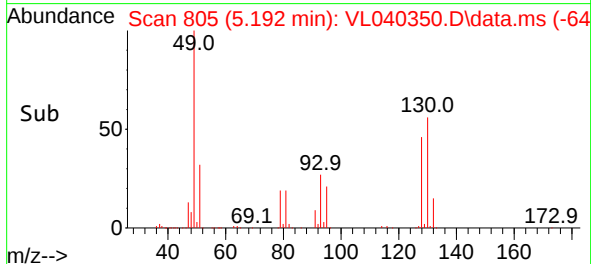
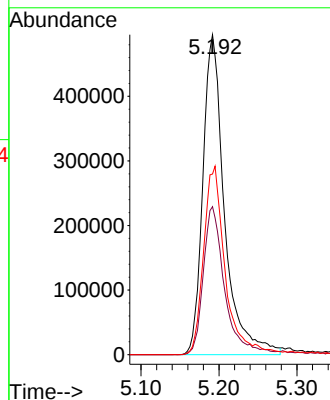
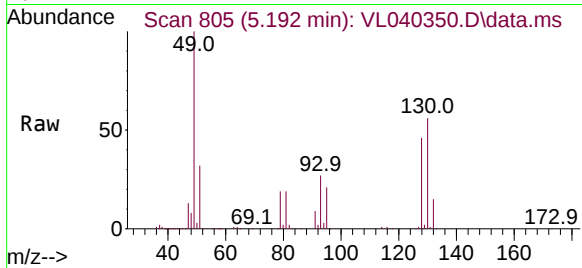
Tgt Ion: 49 Resp: 955792

Ion Ratio Lower Upper

49 100

128 46.3 22.4 67.3

130 60.7 28.7 86.1



#2

Dichlorodifluoromethane

Concen: 0.108 ppbv

RT: 2.719 min Scan# 36

Delta R.T. 0.000 min

Lab File: VL040350.D

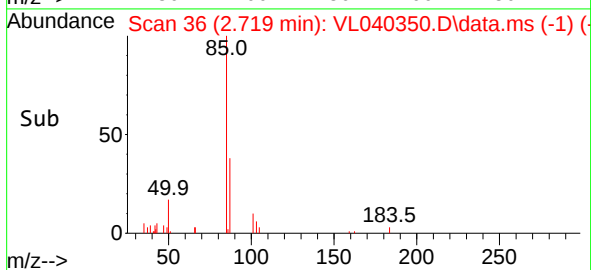
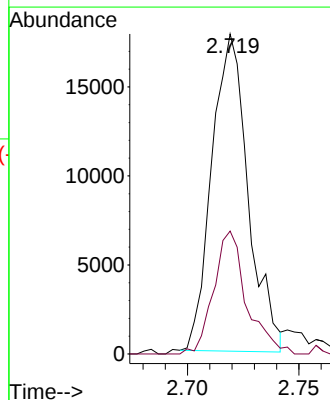
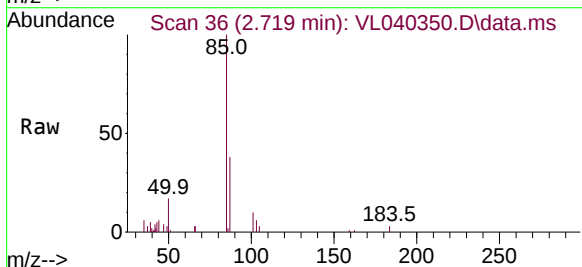
Acq: 13 Apr 2023 00:02

Tgt Ion: 85 Resp: 20268

Ion Ratio Lower Upper

85 100

87 38.8 25.5 38.3#

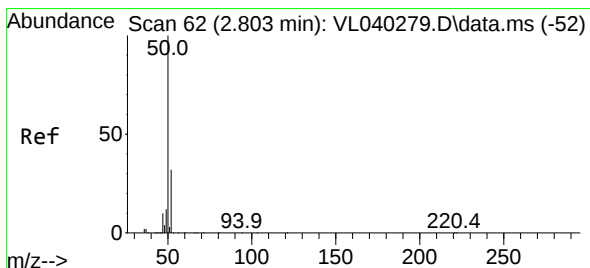
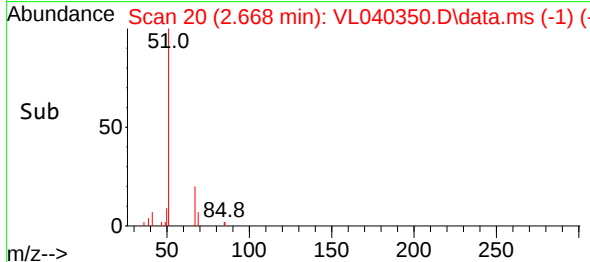
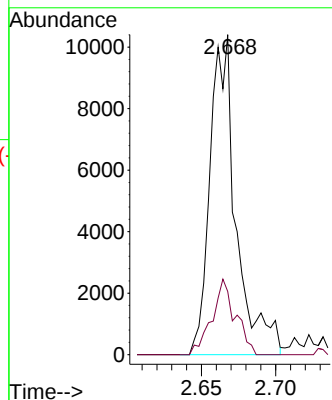
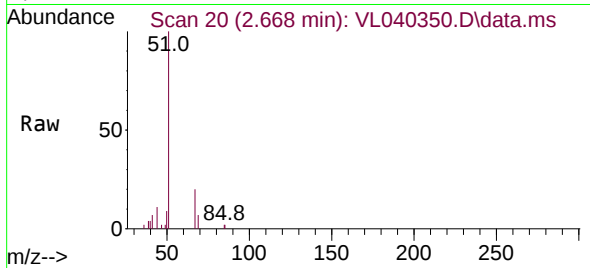




#3
Chlorodifluoromethane
Concen: 0.105 ppbv
RT: 2.668 min Scan# 20
Delta R.T. 0.003 min
Lab File: VL040350.D
Acq: 13 Apr 2023 00:02

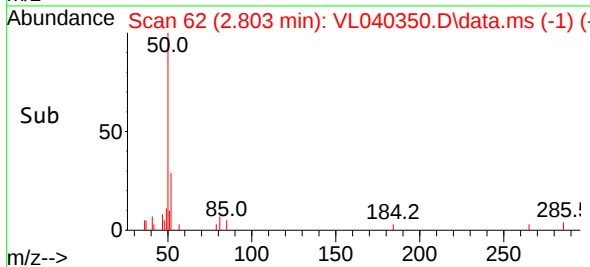
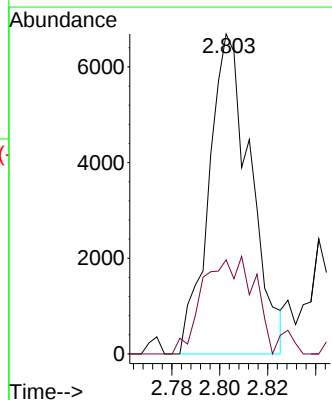
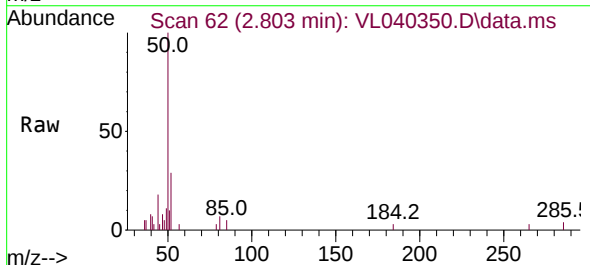
Instrument :
MSVOA_L
ClientSampleId :
MDL-AIR-03-QT2-2023

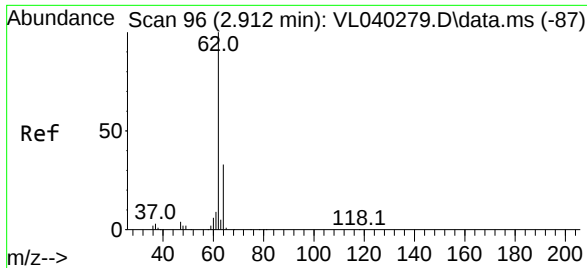
Tgt Ion: 51 Resp: 12669
Ion Ratio Lower Upper
51 100
67 21.3 16.0 24.0



#4
Chloromethane
Concen: 0.109 ppbv
RT: 2.803 min Scan# 62
Delta R.T. -0.000 min
Lab File: VL040350.D
Acq: 13 Apr 2023 00:02

Tgt Ion: 50 Resp: 8061
Ion Ratio Lower Upper
50 100
52 24.5 25.9 38.9#

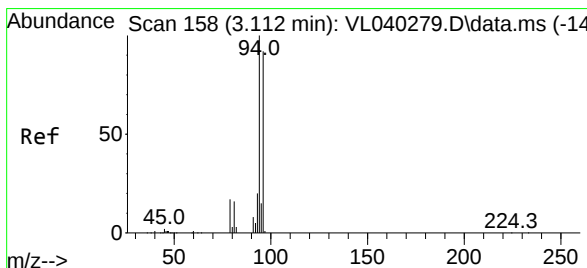
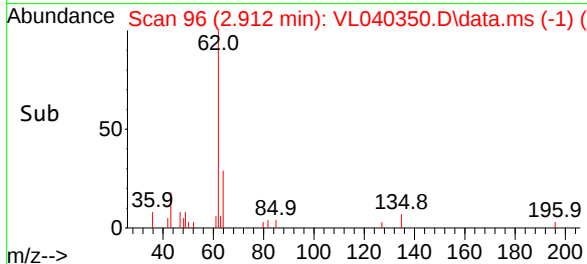
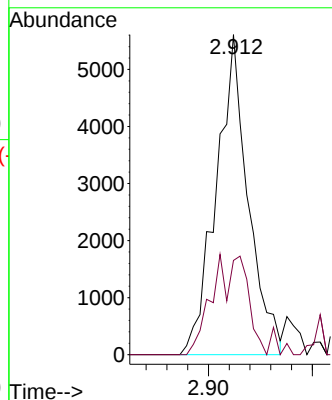
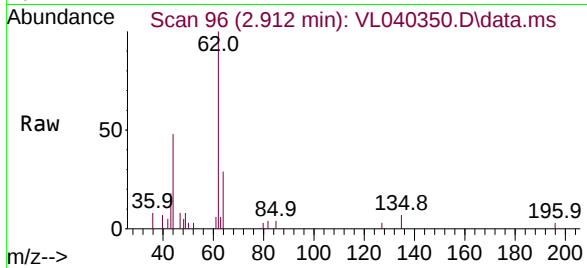




#5
 Vinyl Chloride
 Concen: 0.100 ppbv
 RT: 2.912 min Scan# 96
 Delta R.T. 0.000 min
 Lab File: VL040350.D
 Acq: 13 Apr 2023 00:02

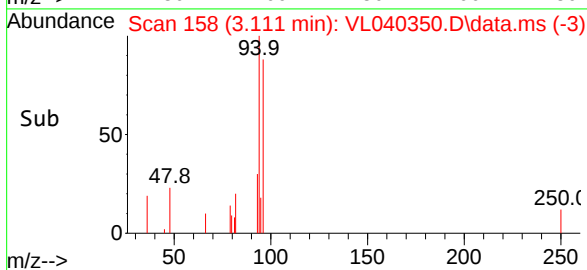
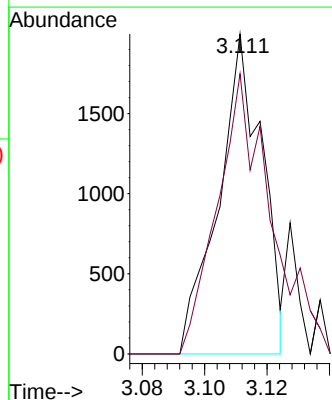
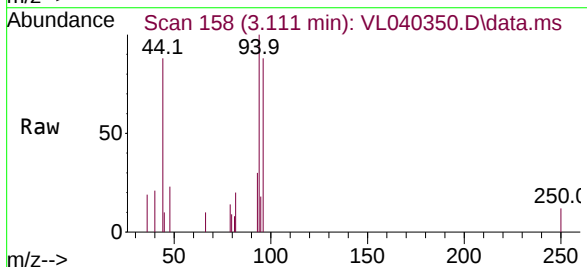
Instrument :
 MSVOA_L
 ClientSampleId :
 MDL-AIR-03-QT2-2023

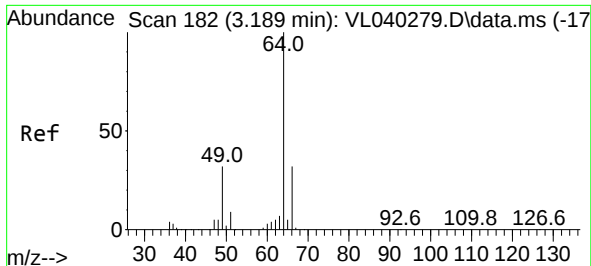
Tgt Ion: 62 Resp: 5986
 Ion Ratio Lower Upper
 62 100
 64 29.5 26.4 39.6



#6
 Bromomethane
 Concen: 0.093 ppbv
 RT: 3.111 min Scan# 158
 Delta R.T. -0.001 min
 Lab File: VL040350.D
 Acq: 13 Apr 2023 00:02

Tgt Ion: 94 Resp: 1937
 Ion Ratio Lower Upper
 94 100
 96 87.5 73.7 110.5

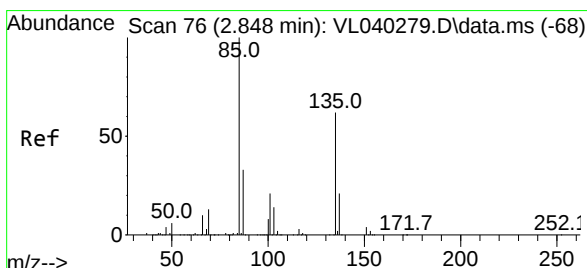
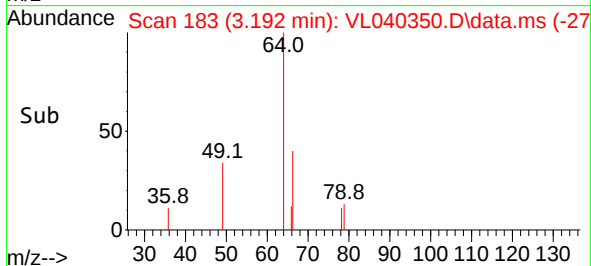
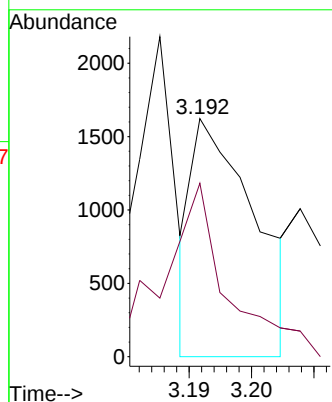
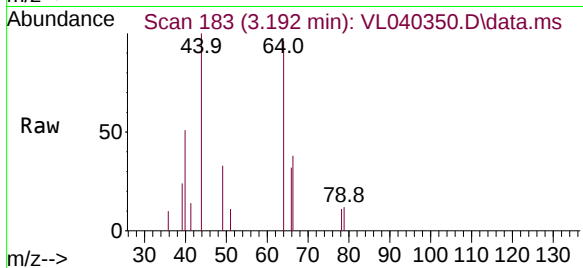




#7
Chloroethane
Concen: 0.049 ppbv
RT: 3.192 min Scan# 11
Delta R.T. 0.003 min
Lab File: VL040350.D
Acq: 13 Apr 2023 00:02

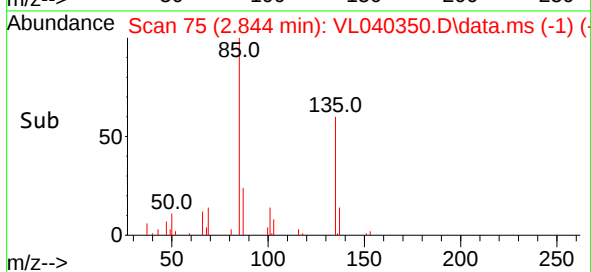
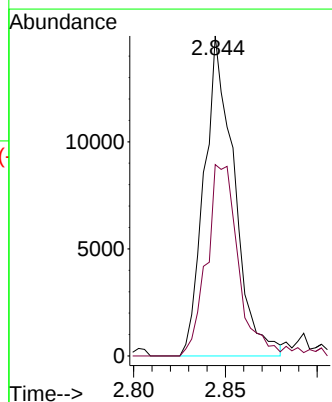
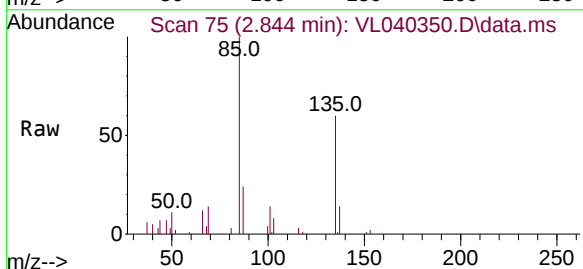
Instrument :
MSVOA_L
ClientSampleId :
MDL-AIR-03-QT2-2023

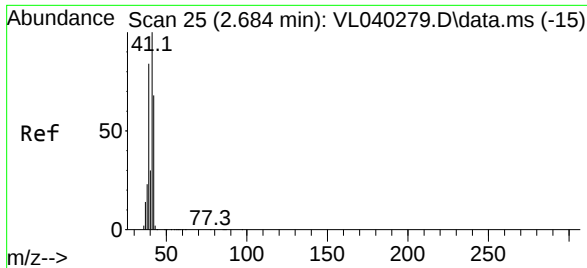
Tgt Ion: 64 Resp: 1137
Ion Ratio Lower Upper
64 100
66 72.8 25.5 38.3#



#8
Dichlorotetrafluoroethane
Concen: 0.106 ppbv
RT: 2.844 min Scan# 75
Delta R.T. -0.004 min
Lab File: VL040350.D
Acq: 13 Apr 2023 00:02

Tgt Ion: 85 Resp: 16978
Ion Ratio Lower Upper
85 100
135 65.6 52.0 78.0

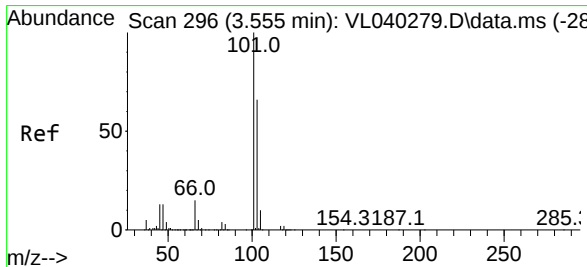
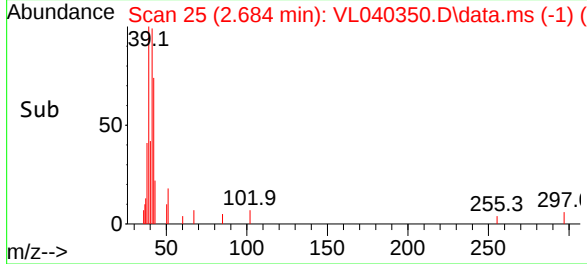
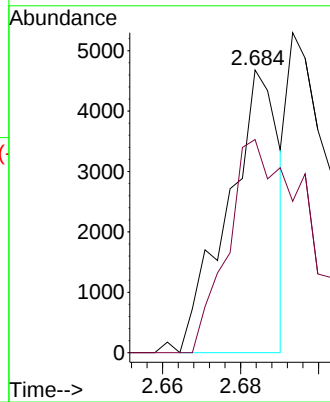
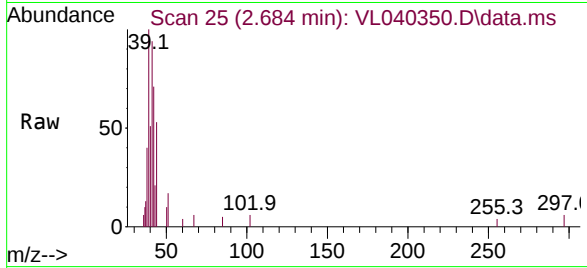




#9
 Propene
 Concen: 0.092 ppbv
 RT: 2.684 min Scan# 21
 Delta R.T. -0.000 min
 Lab File: VL040350.D
 Acq: 13 Apr 2023 00:02

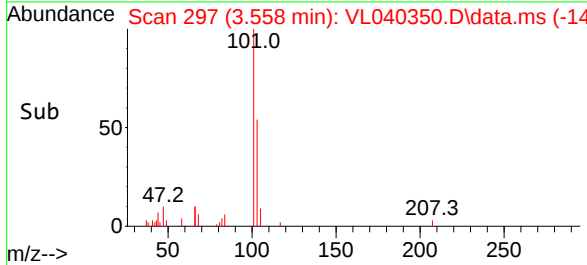
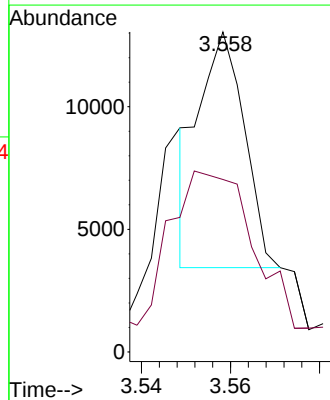
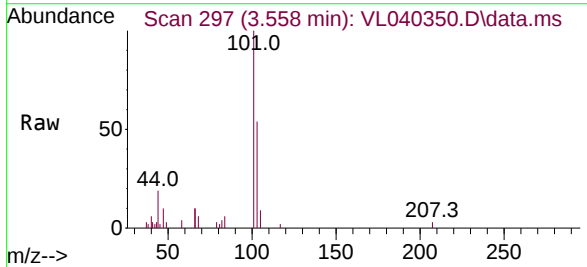
Instrument :
 MSVOA_L
 ClientSampleId :
 MDL-AIR-03-QT2-2023

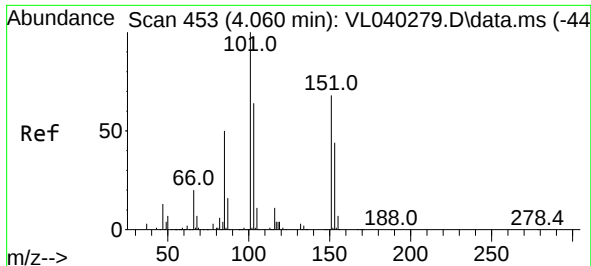
Tgt Ion: 41 Resp: 4231
 Ion Ratio Lower Upper
 41 100
 42 136.9 59.0 88.4#



#11
 Trichlorofluoromethane
 Concen: 0.040 ppbv
 RT: 3.558 min Scan# 297
 Delta R.T. 0.003 min
 Lab File: VL040350.D
 Acq: 13 Apr 2023 00:02

Tgt Ion: 101 Resp: 6797
 Ion Ratio Lower Upper
 101 100
 103 38.8 53.1 79.7#

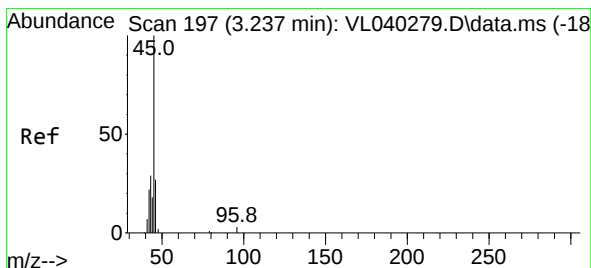
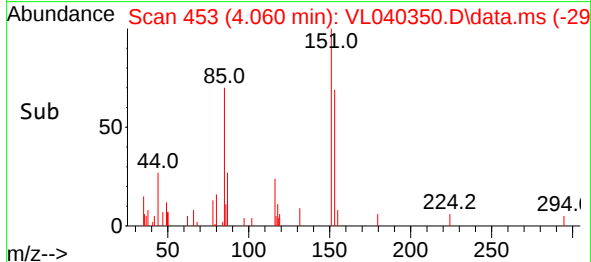
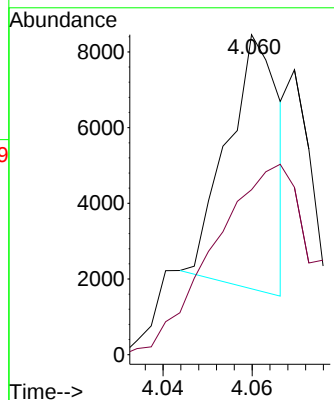
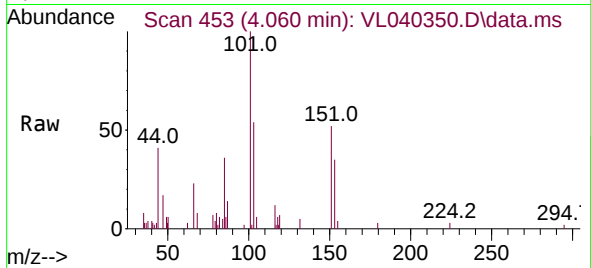




#12
 1,1,2-Trichlorotrifluoroethane
 Concen: 0.042 ppbv
 RT: 4.060 min Scan# 41
 Delta R.T. -0.000 min
 Lab File: VL040350.D
 Acq: 13 Apr 2023 00:02

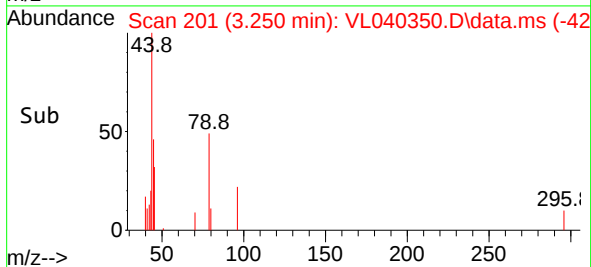
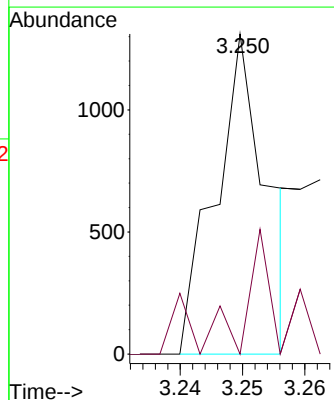
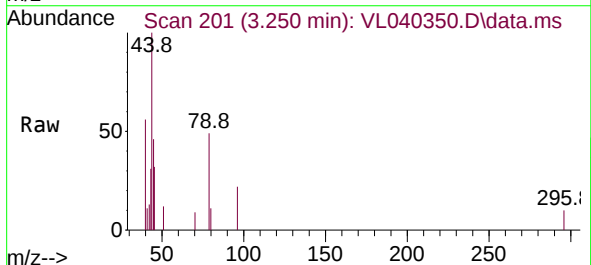
Instrument :
 MSVOA_L
 ClientSampleId :
 MDL-AIR-03-QT2-2023

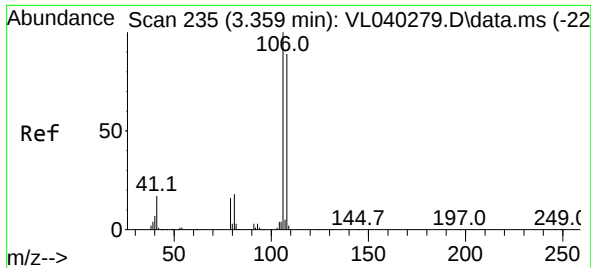
Tgt Ion:101 Resp: 5316
 Ion Ratio Lower Upper
 101 100
 151 0.0 53.2 79.8#



#13
 Ethanol
 Concen: 0.222 ppbv
 RT: 3.250 min Scan# 201
 Delta R.T. 0.013 min
 Lab File: VL040350.D
 Acq: 13 Apr 2023 00:02

Tgt Ion: 45 Resp: 750
 Ion Ratio Lower Upper
 45 100
 46 4.0 15.0 60.2#





#14

Bromoethene

Concen: 0.097 ppbv

RT: 3.359 min Scan# 21

Delta R.T. -0.000 min

Lab File: VL040350.D

Acq: 13 Apr 2023 00:02

Instrument :

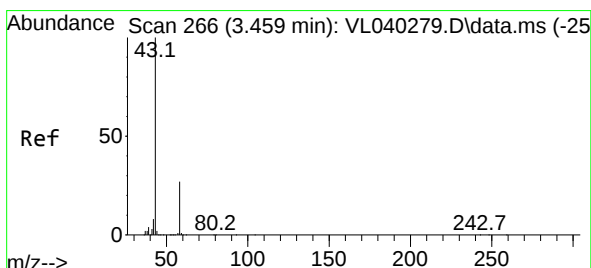
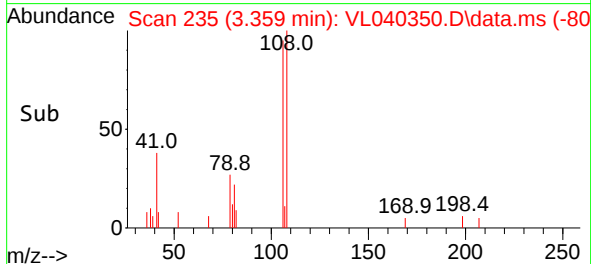
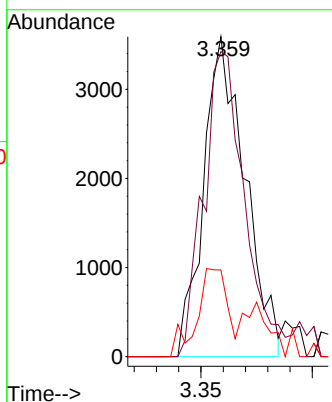
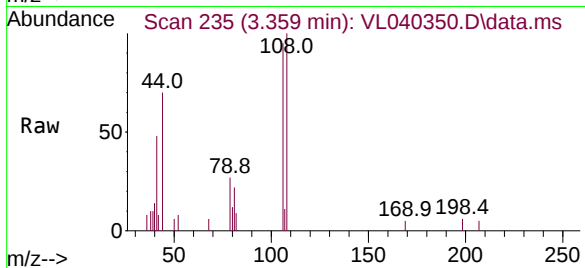
MSVOA_L

ClientSampleId :

MDL-AIR-03-QT2-2023

Tgt Ion:108 Resp: 4635

Ion	Ratio	Lower	Upper
108	100		
106	95.3	85.8	128.8
79	36.6	15.8	23.6#



#15

Acetone

Concen: 0.177 ppbv

RT: 3.488 min Scan# 275

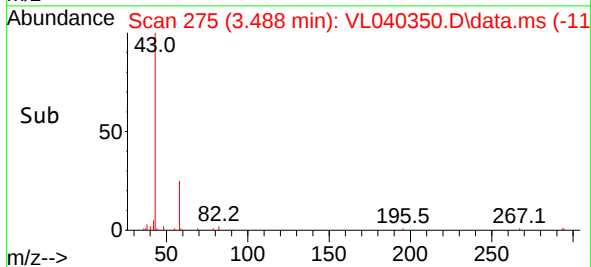
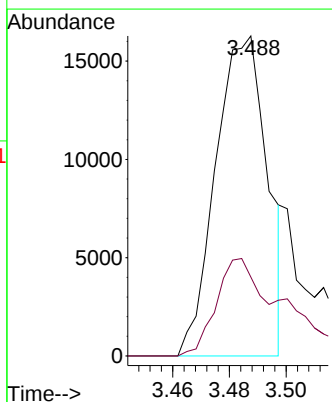
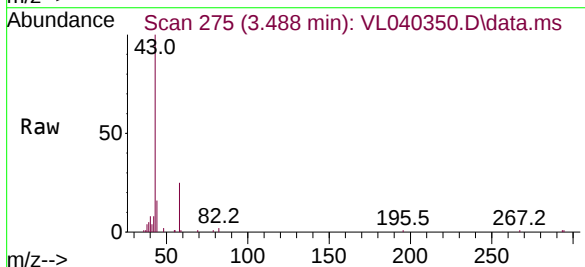
Delta R.T. 0.029 min

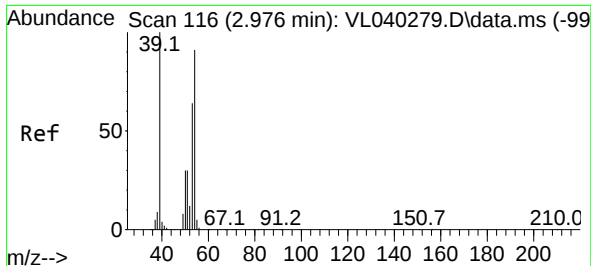
Lab File: VL040350.D

Acq: 13 Apr 2023 00:02

Tgt Ion: 43 Resp: 20551

Ion	Ratio	Lower	Upper
43	100		
58	45.2	21.8	32.8#





#16

1,3-Butadiene

Concen: 0.036 ppbv

RT: 2.980 min Scan# 116

Delta R.T. 0.004 min

Lab File: VL040350.D

Acq: 13 Apr 2023 00:02

Instrument :

MSVOA_L

ClientSampleId :

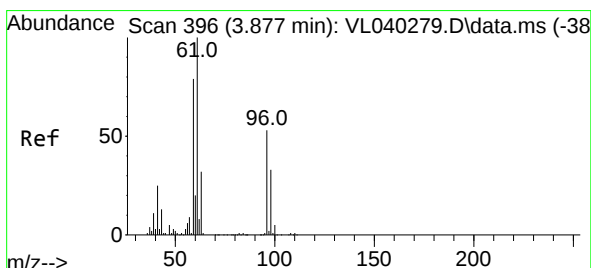
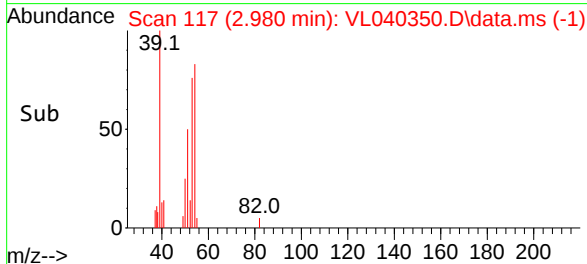
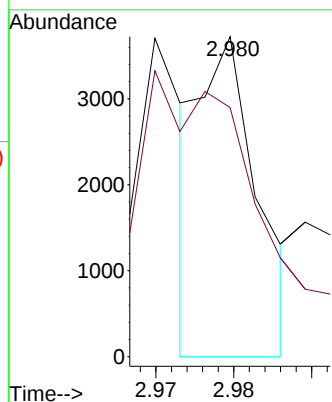
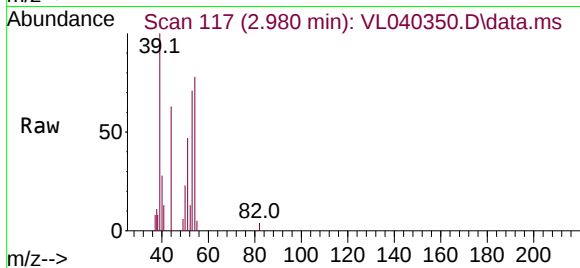
MDL-AIR-03-QT2-2023

Tgt Ion: 39 Resp: 1913

Ion Ratio Lower Upper

39 100

54 0.0 68.4 102.6#



#18

1,1-Dichloroethene

Concen: 0.053 ppbv

RT: 3.877 min Scan# 396

Delta R.T. -0.000 min

Lab File: VL040350.D

Acq: 13 Apr 2023 00:02

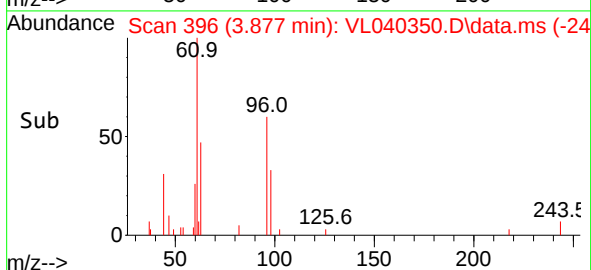
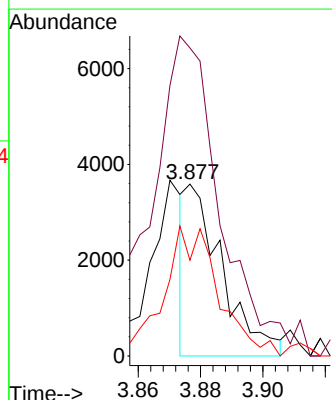
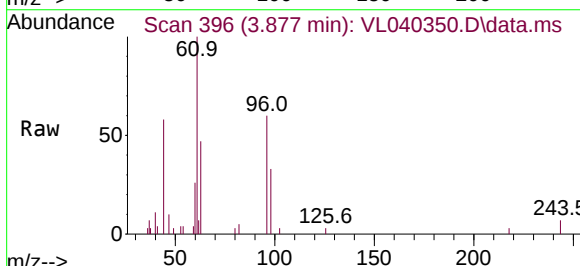
Tgt Ion: 96 Resp: 2900

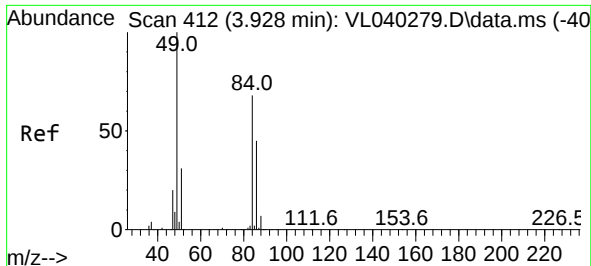
Ion Ratio Lower Upper

96 100

61 176.4 150.6 226.0

98 61.4 50.3 75.5

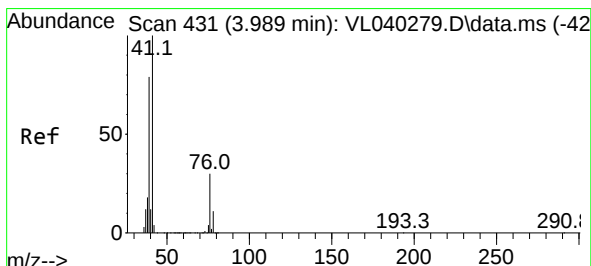
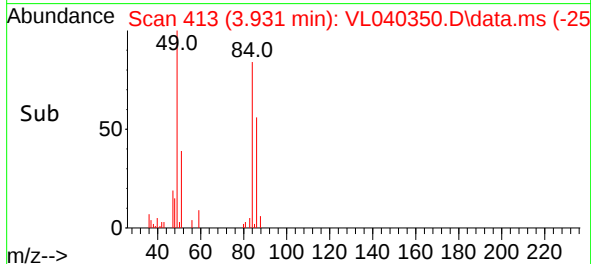
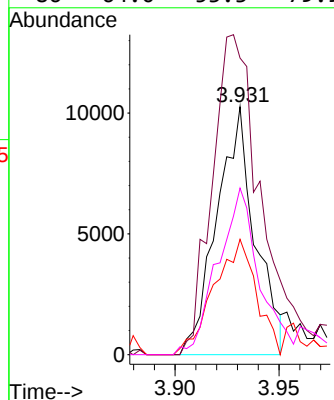
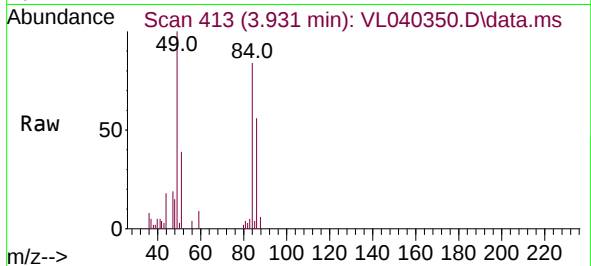




#20
Methylene Chloride
Concen: 0.269 ppbv
RT: 3.931 min Scan# 412
Delta R.T. 0.003 min
Lab File: VL040350.D
Acq: 13 Apr 2023 00:02

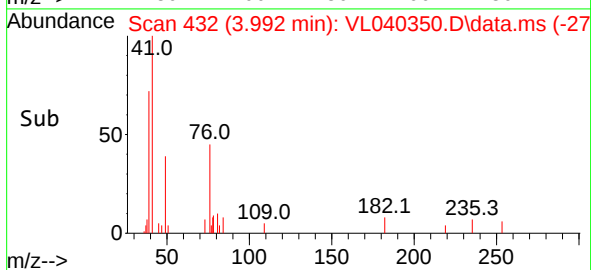
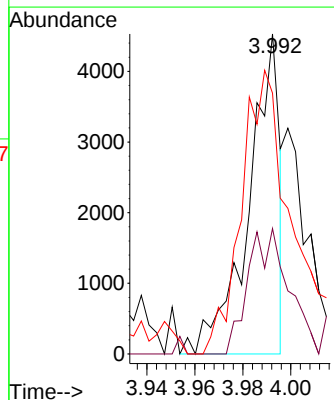
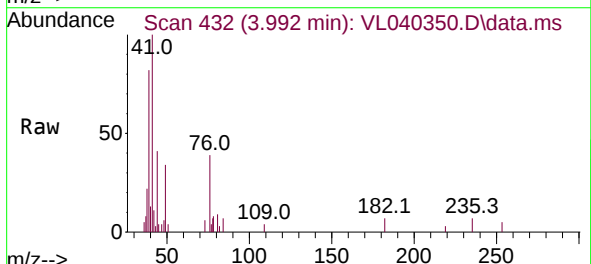
Instrument :
MSVOA_L
ClientSampleId :
MDL-AIR-03-QT2-2023

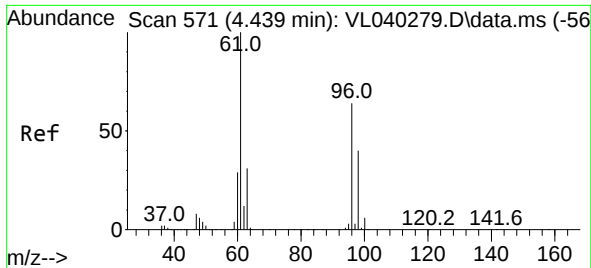
Tgt Ion: 84 Resp: 13160
Ion Ratio Lower Upper
84 100
49 119.6 117.5 176.3
51 46.5 36.9 55.3
86 64.0 53.3 79.9



#21
Allyl Chloride
Concen: 0.054 ppbv
RT: 3.992 min Scan# 432
Delta R.T. 0.003 min
Lab File: VL040350.D
Acq: 13 Apr 2023 00:02

Tgt Ion: 41 Resp: 4071
Ion Ratio Lower Upper
41 100
76 57.3 25.4 38.0#
39 168.0 65.4 98.2#

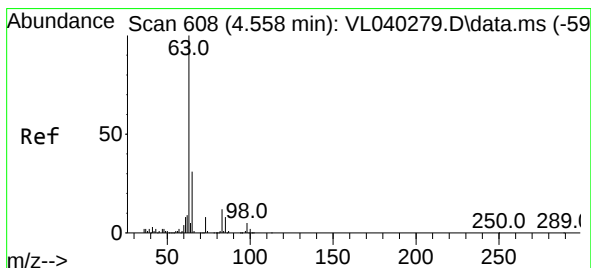
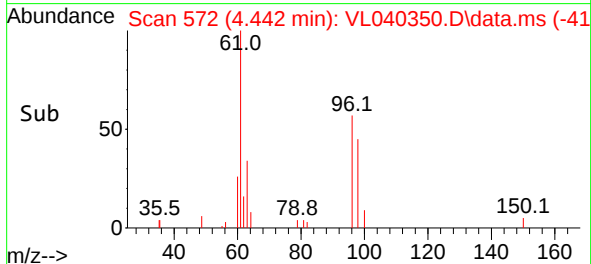
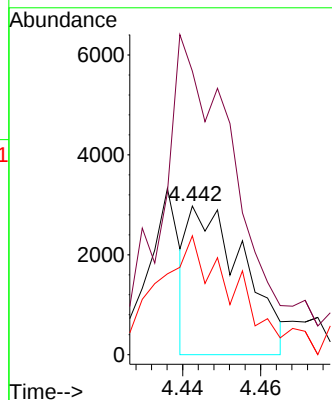
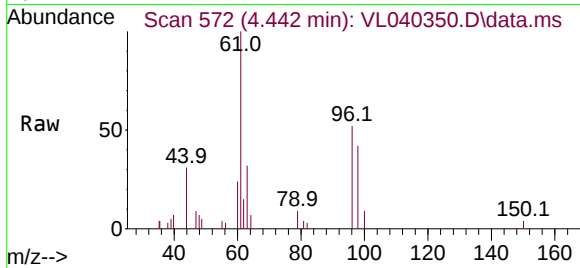




#22
trans-1,2-Dichloroethene
Concen: 0.053 ppbv
RT: 4.442 min Scan# 571
Delta R.T. 0.003 min
Lab File: VL040350.D
Acq: 13 Apr 2023 00:02

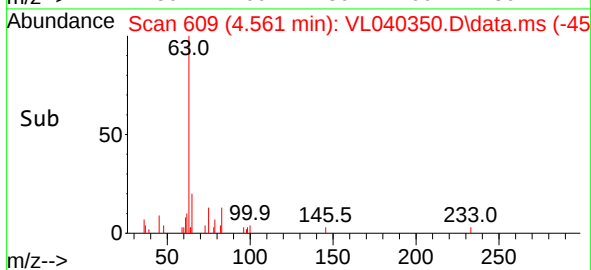
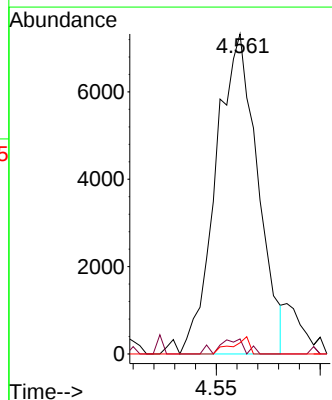
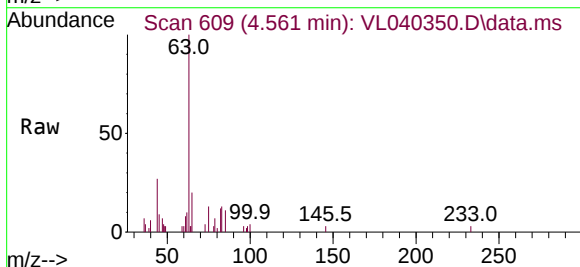
Instrument :
MSVOA_L
ClientSampleId :
MDL-AIR-03-QT2-2023

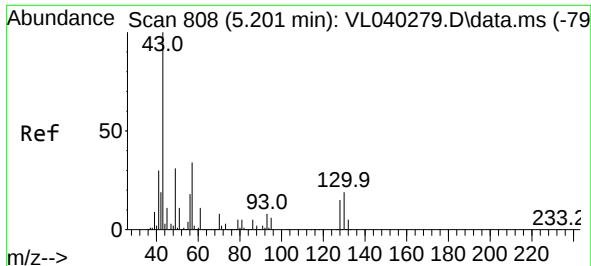
Tgt Ion: 96 Resp: 2944
Ion Ratio Lower Upper
96 100
61 202.5 125.4 188.2#
98 88.2 49.8 74.6#



#24
1,1-Dichloroethane
Concen: 0.088 ppbv
RT: 4.561 min Scan# 609
Delta R.T. 0.003 min
Lab File: VL040350.D
Acq: 13 Apr 2023 00:02

Tgt Ion: 63 Resp: 10213
Ion Ratio Lower Upper
63 100
98 4.7 2.4 7.2
100 3.5 1.2 3.6

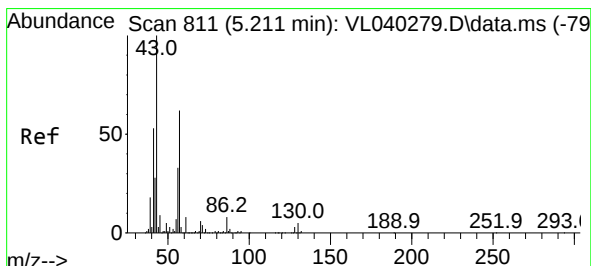
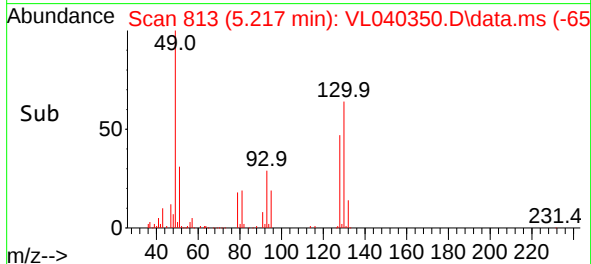
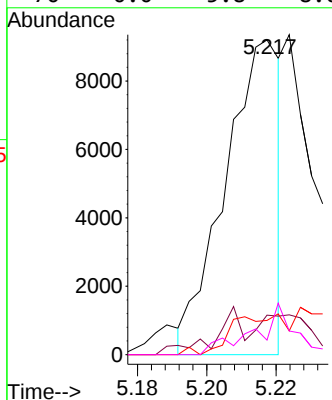
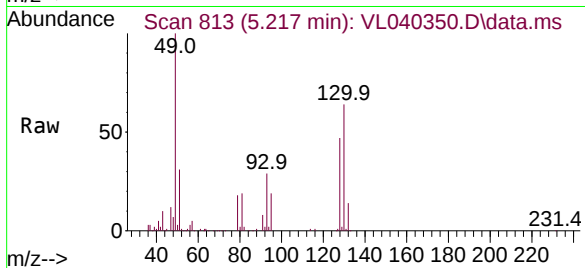




#25
Ethyl Acetate
Concen: 0.046 ppbv
RT: 5.217 min Scan# 811
Delta R.T. 0.016 min
Lab File: VL040350.D
Acq: 13 Apr 2023 00:02

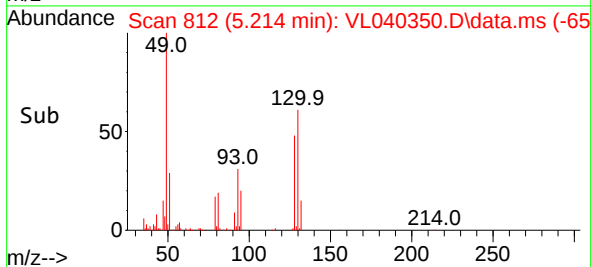
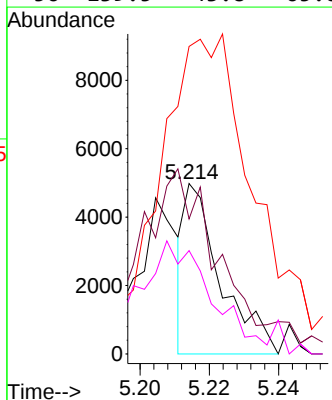
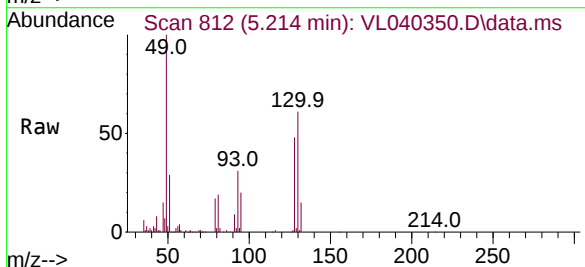
Instrument :
MSVOA_L
ClientSampleId :
MDL-AIR-03-QT2-2023

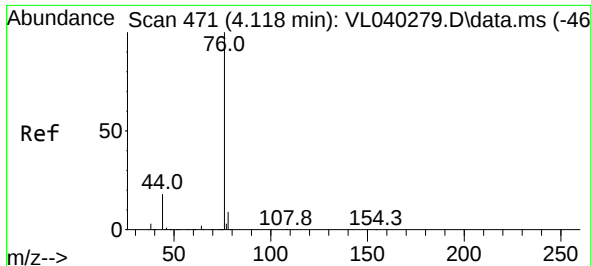
Tgt Ion: 43 Resp: 10098
Ion Ratio Lower Upper
43 100
45 24.0 8.6 12.8#
61 0.0 8.4 12.6#
70 0.0 5.8 8.6#



#26
Hexane
Concen: 0.040 ppbv
RT: 5.214 min Scan# 812
Delta R.T. 0.003 min
Lab File: VL040350.D
Acq: 13 Apr 2023 00:02

Tgt Ion: 57 Resp: 3594
Ion Ratio Lower Upper
57 100
41 264.1 73.5 110.3#
43 550.5 196.3 294.5#
56 139.5 43.8 65.8#

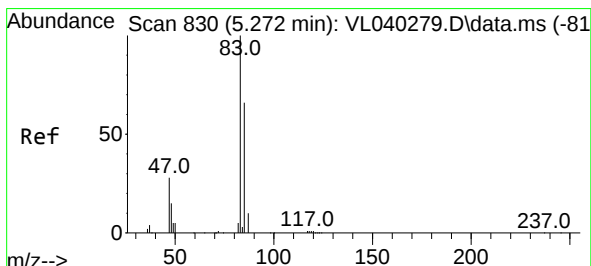
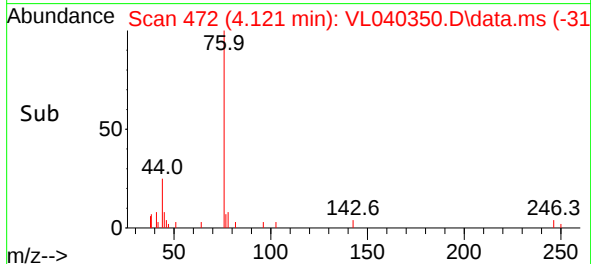
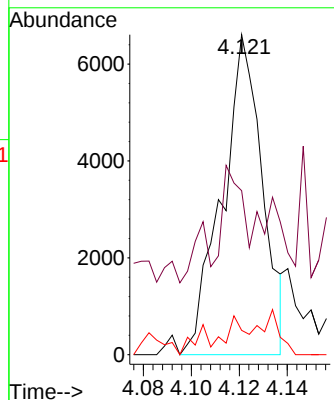
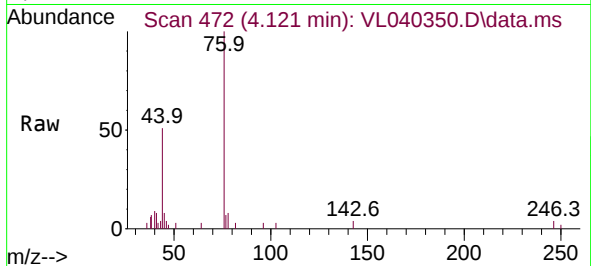




#27
Carbon Disulfide
Concen: 0.062 ppbv
RT: 4.121 min Scan# 41
Delta R.T. 0.003 min
Lab File: VL040350.D
Acq: 13 Apr 2023 00:02

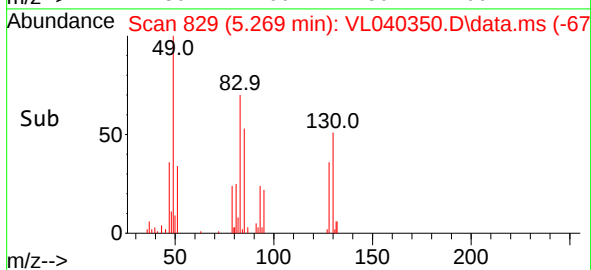
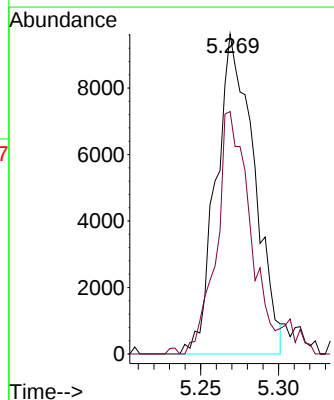
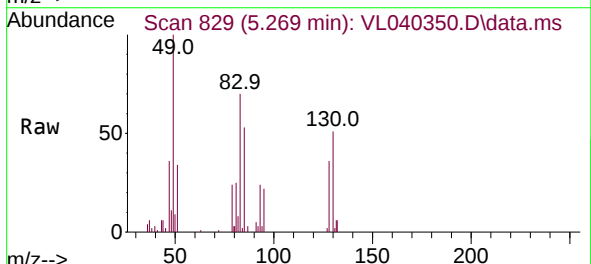
Instrument :
MSVOA_L
ClientSampleId :
MDL-AIR-03-QT2-2023

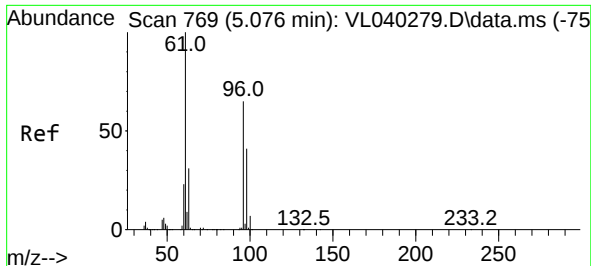
Tgt Ion: 76 Resp: 7683
Ion Ratio Lower Upper
76 100
44 0.0 15.2 22.8#
78 0.0 7.6 11.4#



#29
Chloroform
Concen: 0.103 ppbv
RT: 5.269 min Scan# 829
Delta R.T. -0.003 min
Lab File: VL040350.D
Acq: 13 Apr 2023 00:02

Tgt Ion: 83 Resp: 16273
Ion Ratio Lower Upper
83 100
85 75.7 52.8 79.2





#31

cis-1,2-Dichloroethene

Concen: 0.068 ppbv

RT: 5.076 min Scan# 769

Delta R.T. -0.000 min

Lab File: VL040350.D

Acq: 13 Apr 2023 00:02

Instrument :

MSVOA_L

ClientSampleId :

MDL-AIR-03-QT2-2023

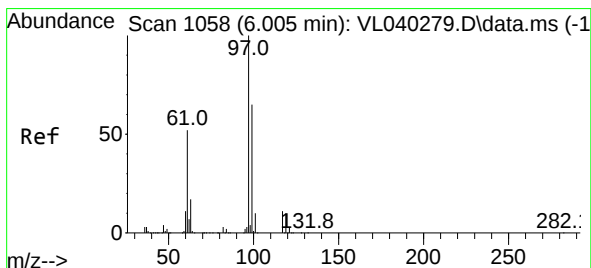
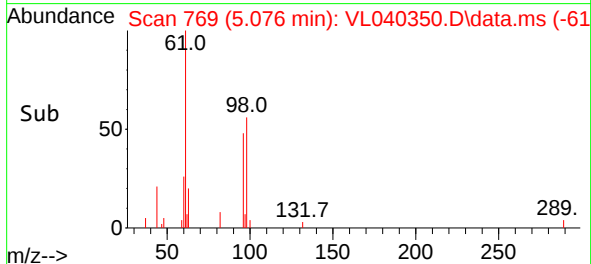
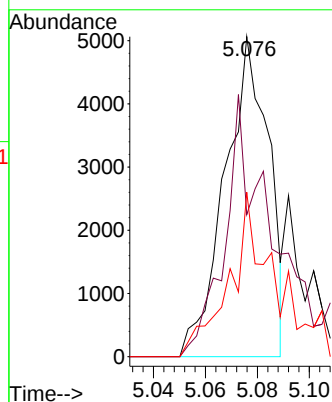
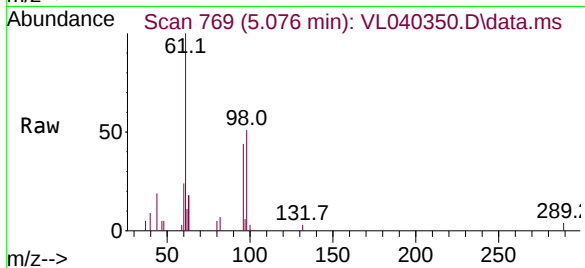
Tgt Ion: 61 Resp: 5921

Ion Ratio Lower Upper

61 100

96 44.4 51.8 77.8#

98 51.4 32.5 48.7#



#32

1,1,1-Trichloroethane

Concen: 0.036 ppbv

RT: 6.008 min Scan# 1059

Delta R.T. 0.003 min

Lab File: VL040350.D

Acq: 13 Apr 2023 00:02

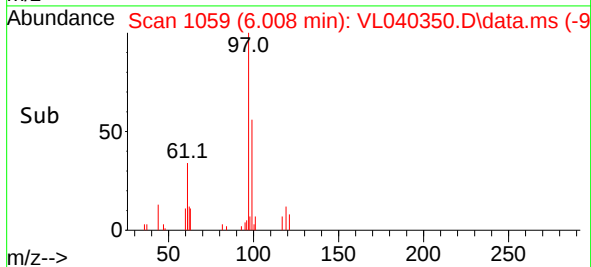
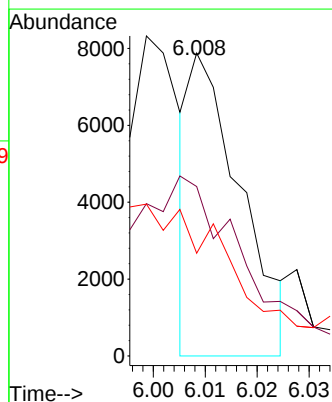
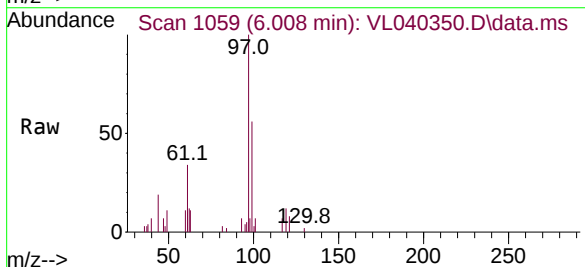
Tgt Ion: 97 Resp: 5374

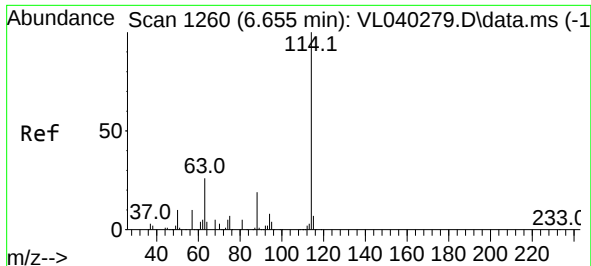
Ion Ratio Lower Upper

97 100

99 165.8 52.2 78.2#

61 0.0 41.4 62.2#





#33

1,4-Difluorobenzene

Concen: 10.000 ppbv

RT: 6.655 min Scan# 114

Delta R.T. -0.000 min

Lab File: VL040350.D

Acq: 13 Apr 2023 00:02

Instrument :

MSVOA_L

ClientSampleId :

MDL-AIR-03-QT2-2023

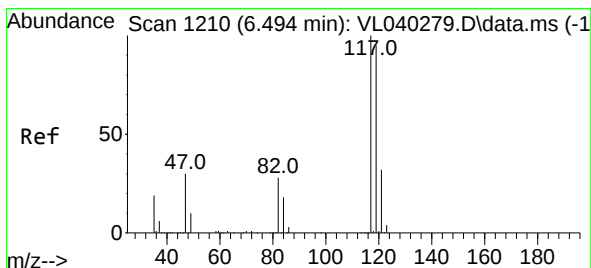
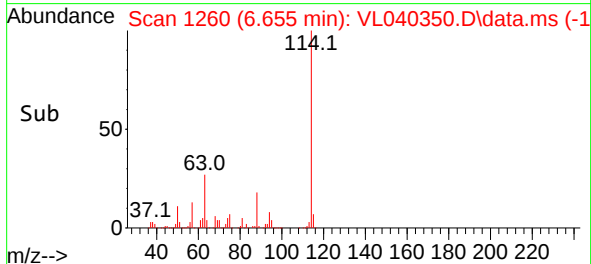
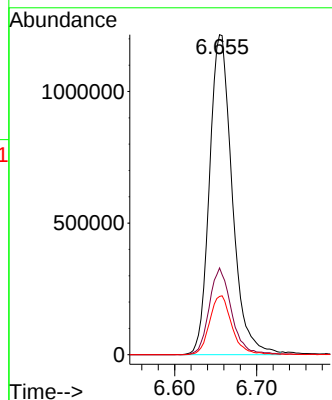
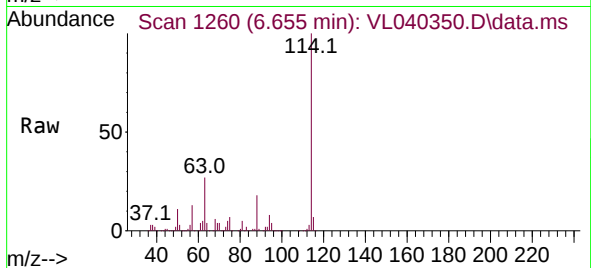
Tgt Ion:114 Resp: 2336254

Ion Ratio Lower Upper

114 100

63 26.8 21.2 31.8

88 18.3 14.5 21.7



#35

Carbon Tetrachloride

Concen: 0.061 ppbv

RT: 6.494 min Scan# 1210

Delta R.T. -0.000 min

Lab File: VL040350.D

Acq: 13 Apr 2023 00:02

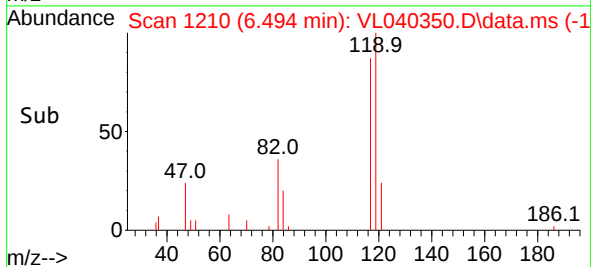
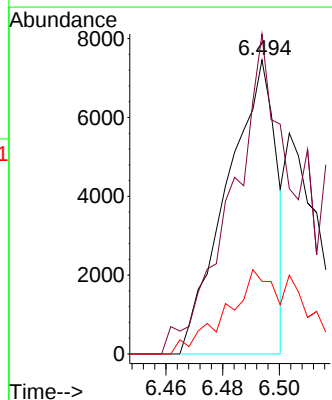
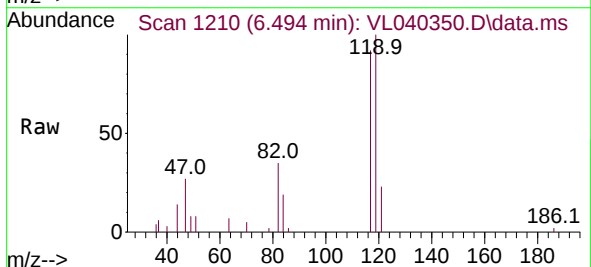
Tgt Ion:117 Resp: 8983

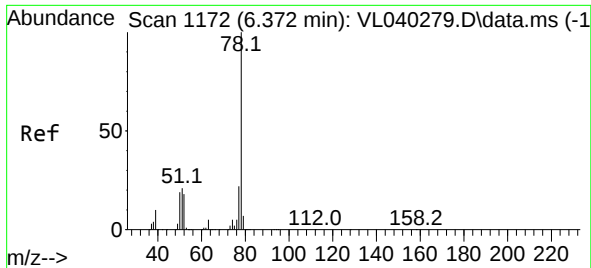
Ion Ratio Lower Upper

117 100

119 101.1 76.4 114.6

121 19.9 25.6 38.4#

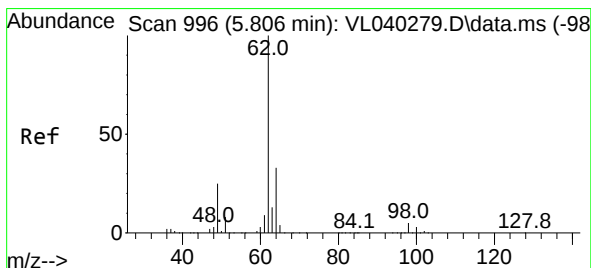
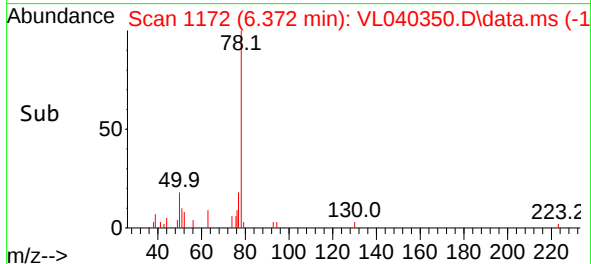
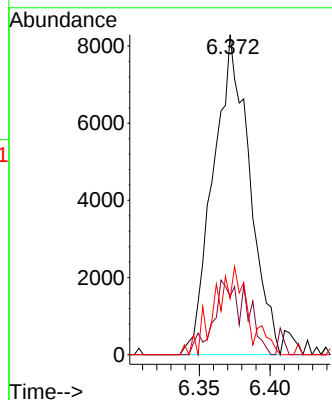
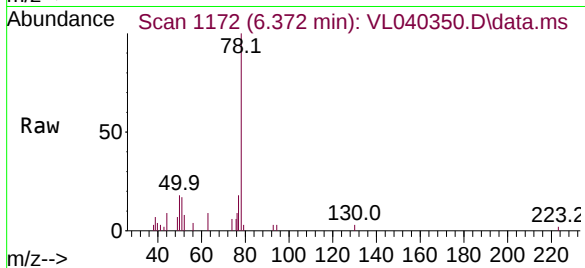




#36
Benzene
Concen: 0.083 ppbv
RT: 6.372 min Scan# 1172
Delta R.T. -0.000 min
Lab File: VL040350.D
Acq: 13 Apr 2023 00:02

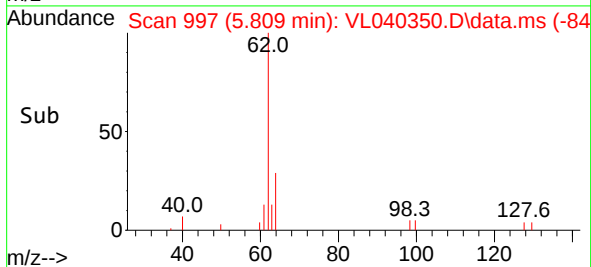
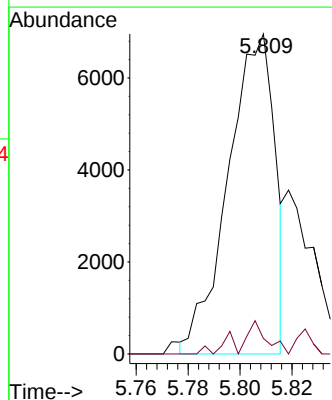
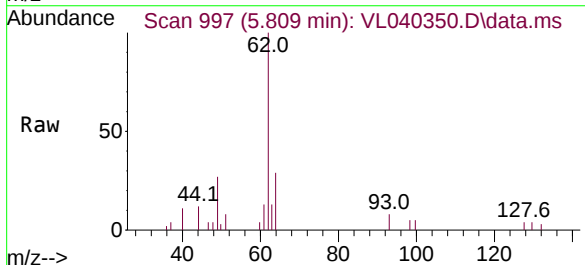
Instrument :
MSVOA_L
ClientSampleId :
MDL-AIR-03-QT2-2023

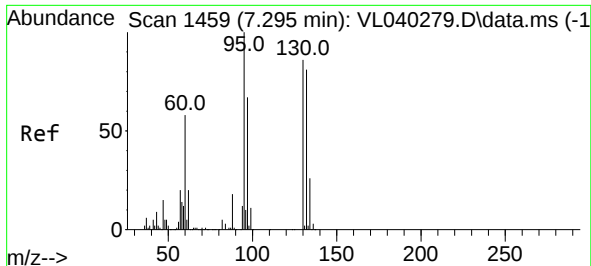
Tgt Ion: 78 Resp: 14755
Ion Ratio Lower Upper
78 100
77 18.1 17.8 26.8
50 17.5 15.4 23.2



#37
1,2-Dichloroethane
Concen: 0.075 ppbv
RT: 5.809 min Scan# 997
Delta R.T. 0.003 min
Lab File: VL040350.D
Acq: 13 Apr 2023 00:02

Tgt Ion: 62 Resp: 8684
Ion Ratio Lower Upper
62 100
98 8.5 4.3 6.5#

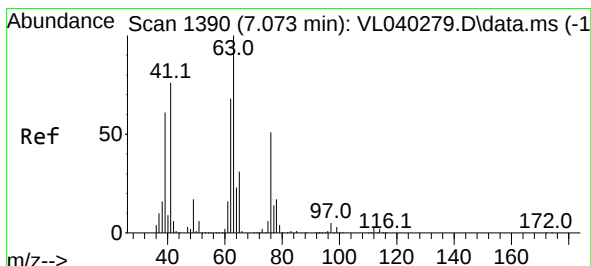
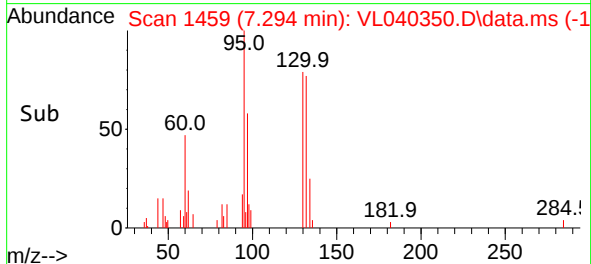
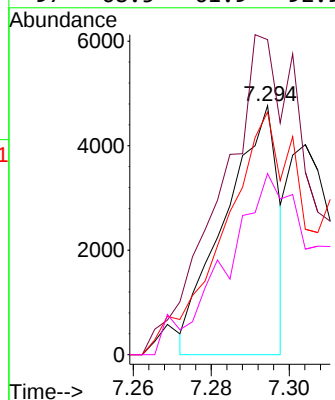
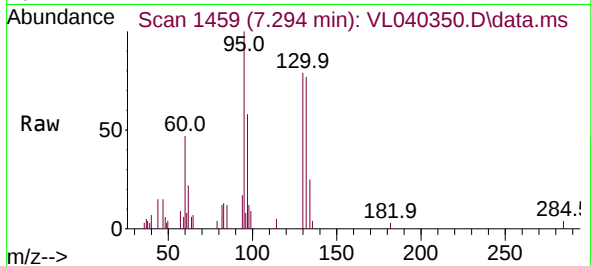




#38
 Trichloroethene
 Concen: 0.046 ppbv
 RT: 7.294 min Scan# 1459
 Delta R.T. -0.001 min
 Lab File: VL040350.D
 Acq: 13 Apr 2023 00:02

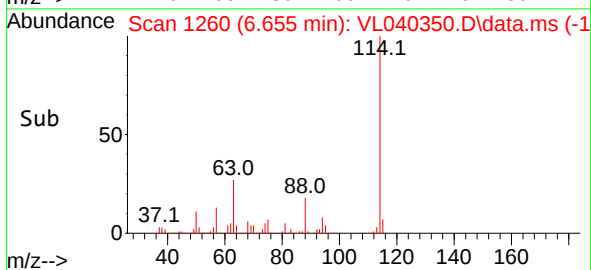
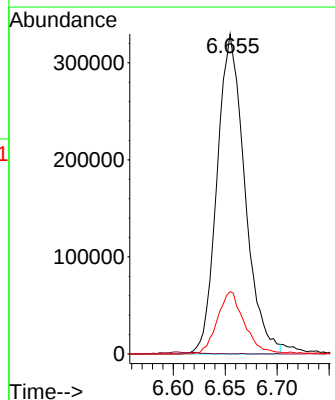
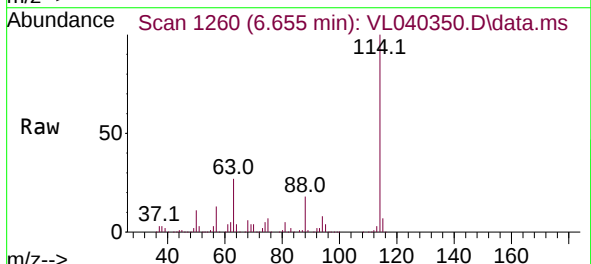
Instrument :
 MSVOA_L
 ClientSampleId :
 MDL-AIR-03-QT2-2023

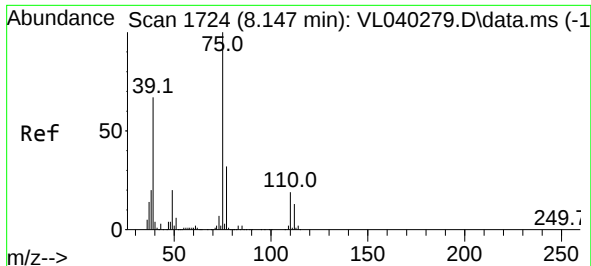
Tgt Ion:	130	Resp:	4518
Ion	Ratio	Lower	Upper
130	100		
95	115.0	93.0	139.4
132	90.8	75.3	112.9
97	68.5	61.9	92.9



#39
 1,2-Dichloropropane
 Concen: 8.765 ppbv
 RT: 6.655 min Scan# 1260
 Delta R.T. -0.418 min
 Lab File: VL040350.D
 Acq: 13 Apr 2023 00:02

Tgt Ion:	63	Resp:	612286
Ion	Ratio	Lower	Upper
63	100		
41	0.0	60.8	91.2#
62	19.4	54.1	81.1#

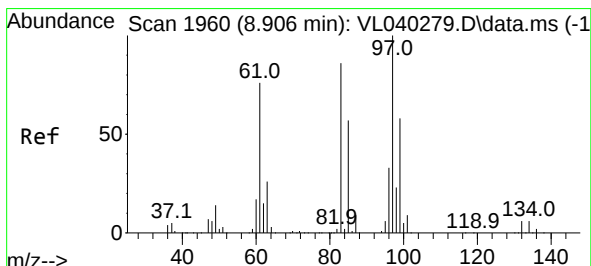
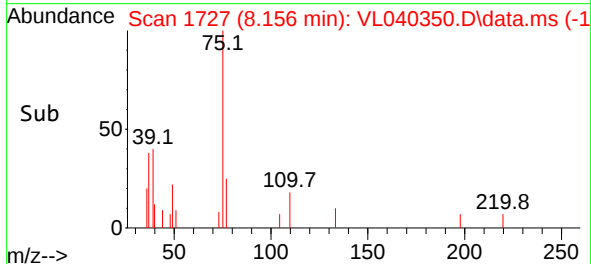
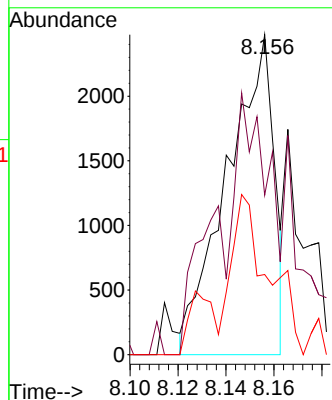
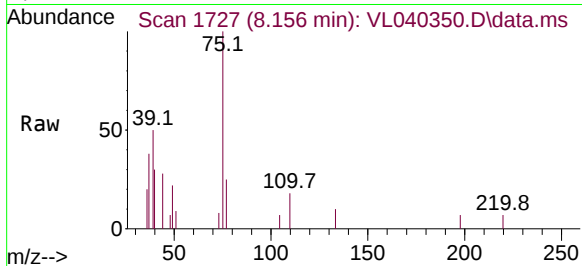




#46
 cis-1,3-Dichloropropene
 Concen: 0.041 ppbv
 RT: 8.156 min Scan# 1727
 Delta R.T. 0.009 min
 Lab File: VL040350.D
 Acq: 13 Apr 2023 00:02

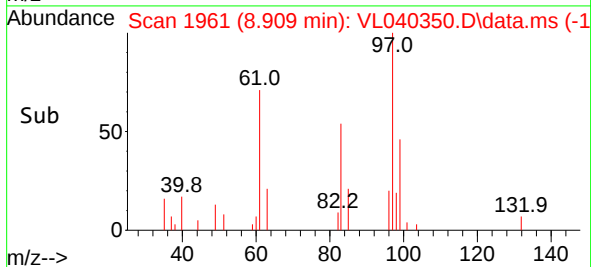
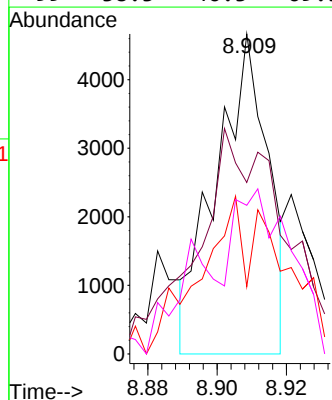
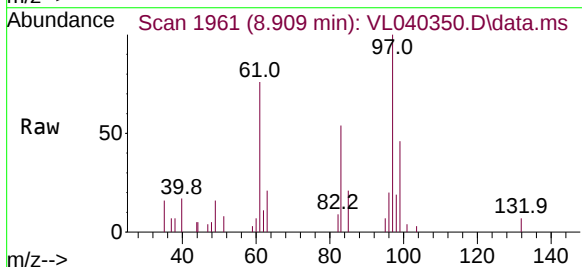
Instrument :
 MSVOA_L
 ClientSampleId :
 MDL-AIR-03-QT2-2023

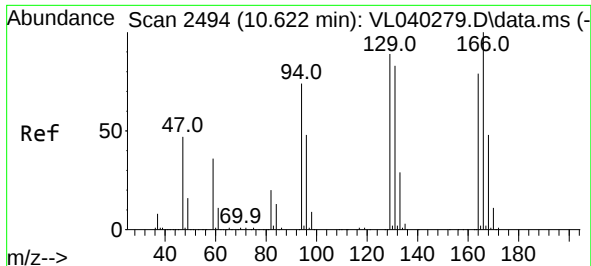
Tgt Ion: 75 Resp: 3361
 Ion Ratio Lower Upper
 75 100
 39 53.4 53.9 80.9#
 77 26.8 25.3 37.9



#47
 1,1,2-Trichloroethane
 Concen: 0.065 ppbv
 RT: 8.909 min Scan# 1961
 Delta R.T. 0.003 min
 Lab File: VL040350.D
 Acq: 13 Apr 2023 00:02

Tgt Ion: 97 Resp: 4866
 Ion Ratio Lower Upper
 97 100
 83 38.1 68.6 103.0#
 85 7.2 46.0 69.0#
 99 38.3 46.3 69.5#

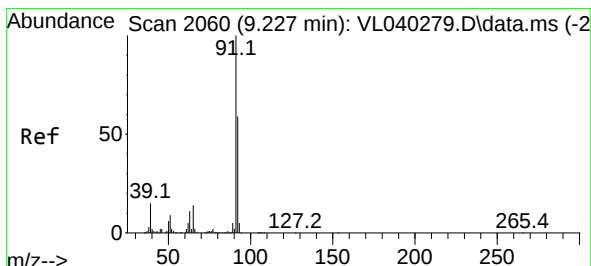
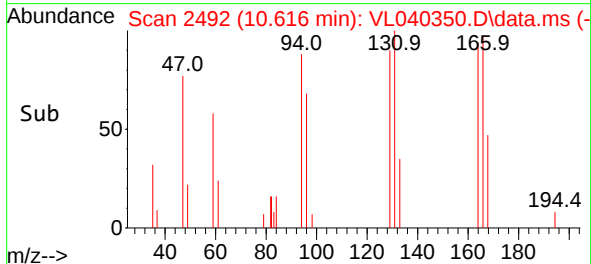
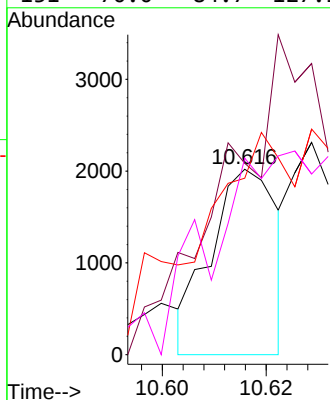
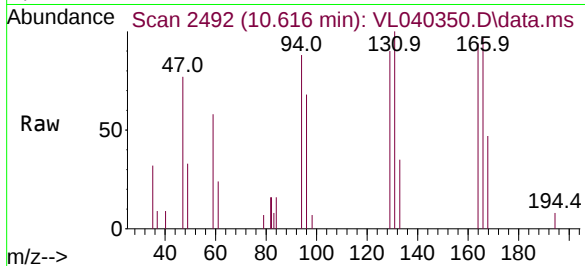




#52
Tetrachloroethene
Concen: 0.033 ppbv
RT: 10.616 min Scan# 2494
Delta R.T. -0.006 min
Lab File: VL040350.D
Acq: 13 Apr 2023 00:02

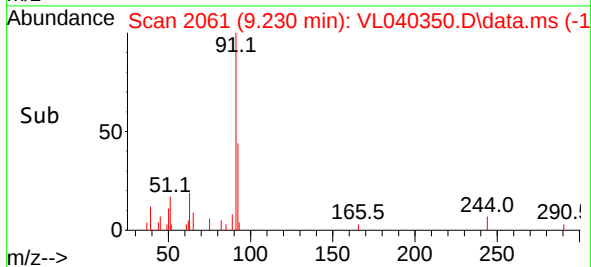
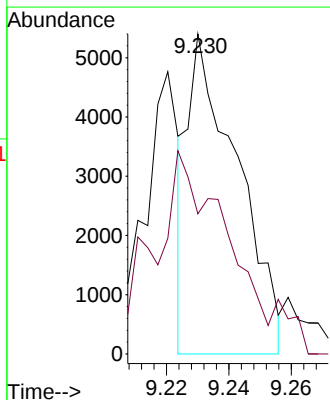
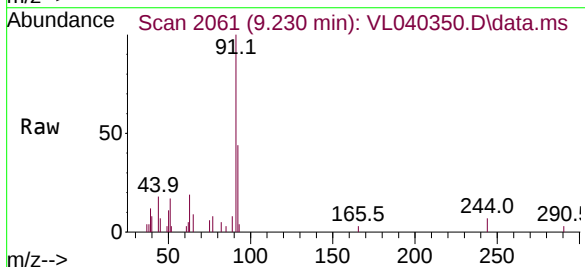
Instrument :
MSVOA_L
ClientSampleId :
MDL-AIR-03-QT2-2023

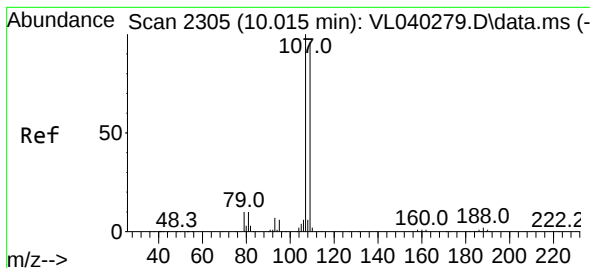
Tgt Ion:164 Resp: 1780
Ion Ratio Lower Upper
164 100
166 63.7 101.8 152.6#
129 62.0 90.2 135.2#
131 70.0 84.7 127.1#



#53
Toluene
Concen: 0.032 ppbv
RT: 9.230 min Scan# 2061
Delta R.T. 0.003 min
Lab File: VL040350.D
Acq: 13 Apr 2023 00:02

Tgt Ion: 91 Resp: 5966
Ion Ratio Lower Upper
91 100
92 0.0 48.0 72.0#





#54

1,2-Dibromoethane

Concen: 0.052 ppbv

RT: 10.015 min Scan# 21

Delta R.T. -0.000 min

Lab File: VL040350.D

Acq: 13 Apr 2023 00:02

Instrument :

MSVOA_L

ClientSampleId :

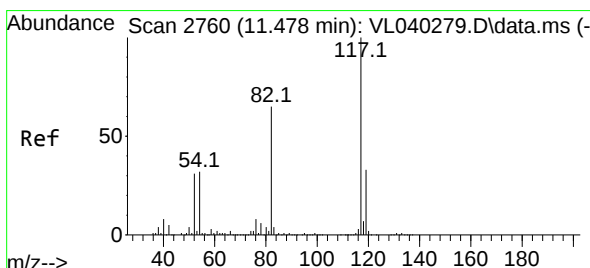
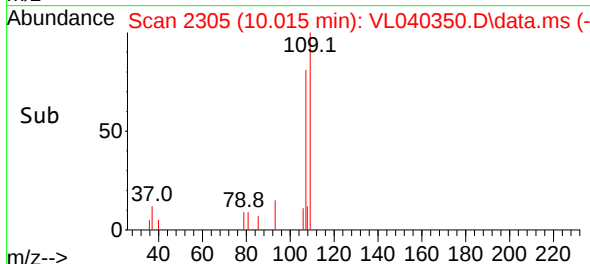
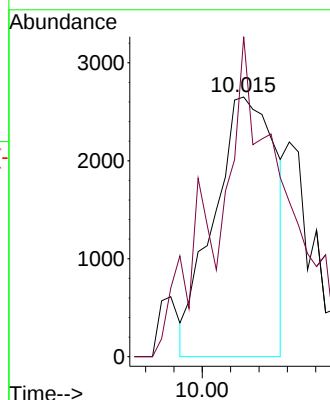
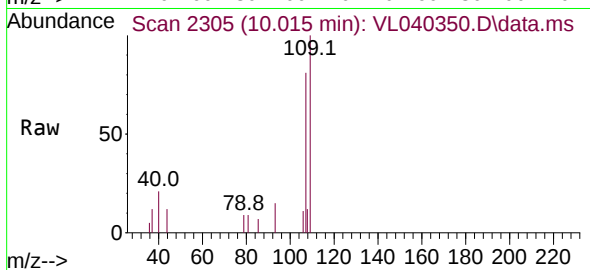
MDL-AIR-03-QT2-2023

Tgt Ion:107 Resp: 3978

Ion Ratio Lower Upper

107 100

109 96.9 77.0 115.6



#55

Chlorobenzene-d5

Concen: 10.000 ppbv

RT: 11.478 min Scan# 2760

Delta R.T. -0.000 min

Lab File: VL040350.D

Acq: 13 Apr 2023 00:02

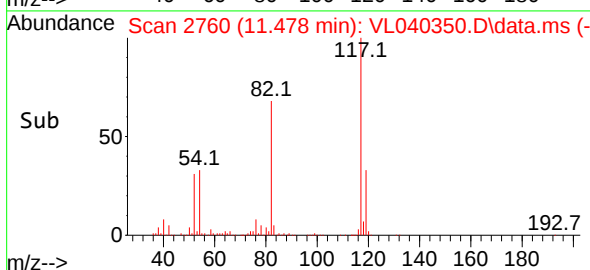
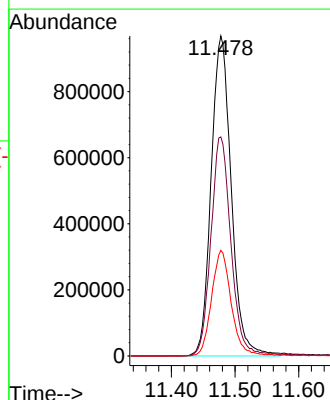
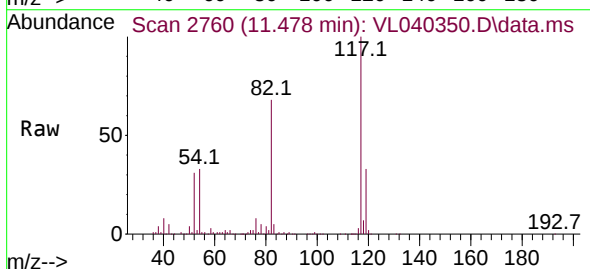
Tgt Ion:117 Resp: 2125659

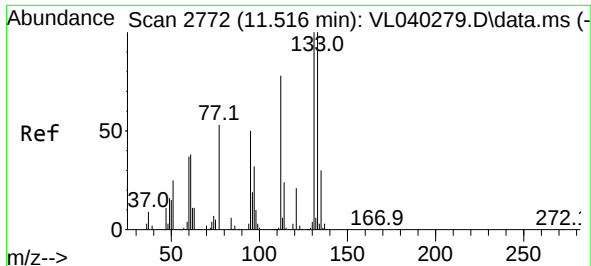
Ion Ratio Lower Upper

117 100

82 69.0 51.4 77.2

119 32.7 24.0 36.0





#56

1,1,1,2-Tetrachloroethane

Concen: 0.038 ppbv

RT: 11.510 min Scan# 21

Delta R.T. -0.006 min

Lab File: VL040350.D

Acq: 13 Apr 2023 00:02

Instrument :

MSVOA_L

ClientSampleId :

MDL-AIR-03-QT2-2023

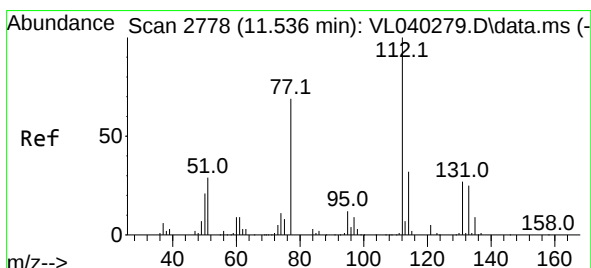
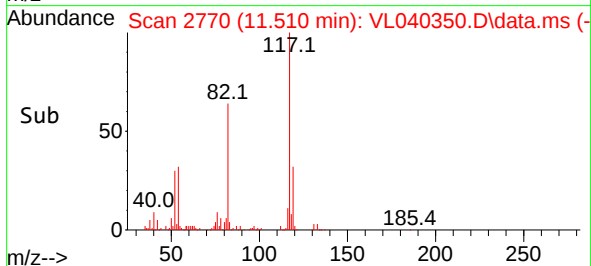
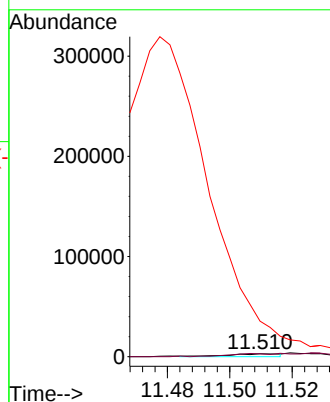
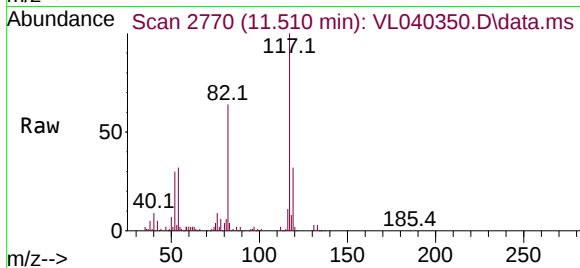
Tgt Ion:131 Resp: 3419

Ion Ratio Lower Upper

131 100

133 0.0 76.5 114.7#

119 0.0 47.9 71.9#



#57

Chlorobenzene

Concen: 0.060 ppbv

RT: 11.539 min Scan# 2779

Delta R.T. 0.003 min

Lab File: VL040350.D

Acq: 13 Apr 2023 00:02

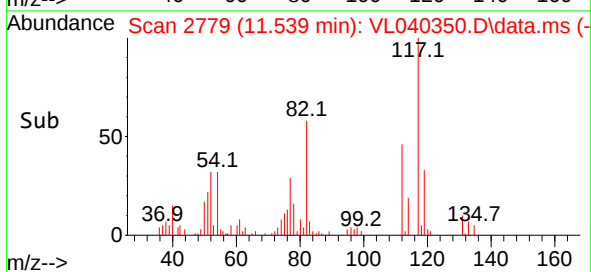
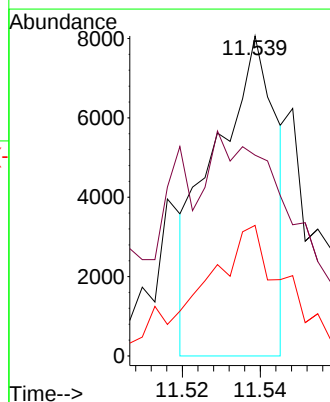
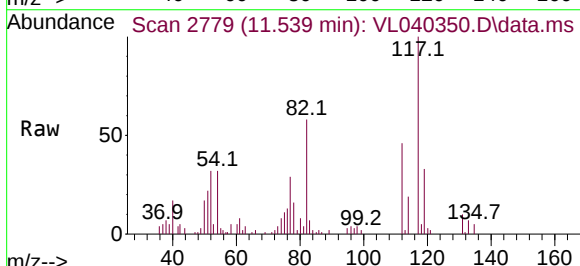
Tgt Ion:112 Resp: 8997

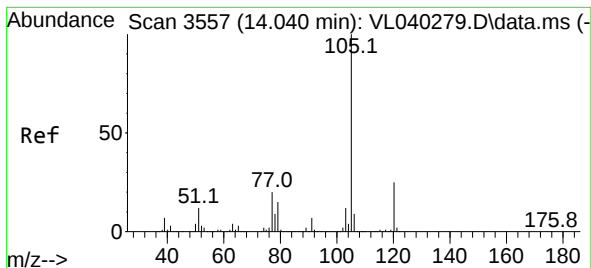
Ion Ratio Lower Upper

112 100

77 22.7 56.2 84.2#

114 48.2 29.0 35.4#





#62

Isopropylbenzene

Concen: 0.043 ppbv

RT: 14.043 min Scan# 31

Delta R.T. 0.003 min

Lab File: VL040350.D

Acq: 13 Apr 2023 00:02

Instrument :

MSVOA_L

ClientSampleId :

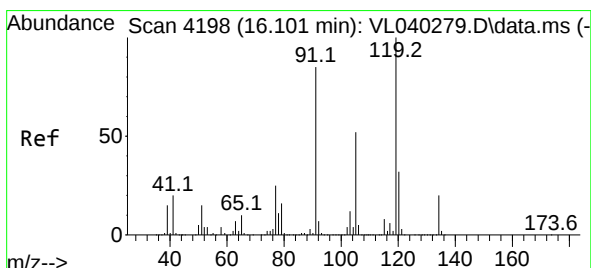
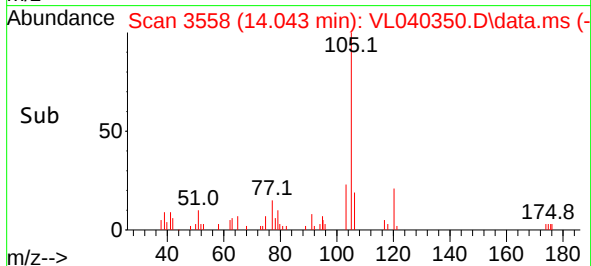
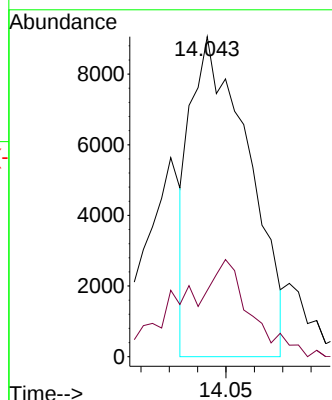
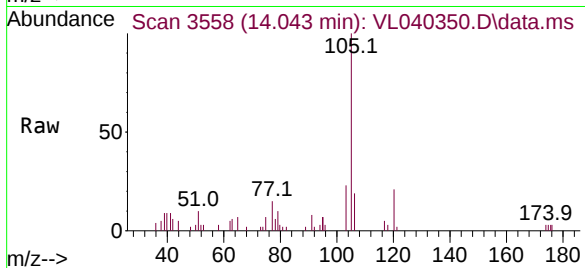
MDL-AIR-03-QT2-2023

Tgt Ion:105 Resp: 12909

Ion Ratio Lower Upper

105 100

120 39.7 19.9 29.9#



#65

tert-Butylbenzene

Concen: 0.033 ppbv

RT: 16.111 min Scan# 4201

Delta R.T. 0.010 min

Lab File: VL040350.D

Acq: 13 Apr 2023 00:02

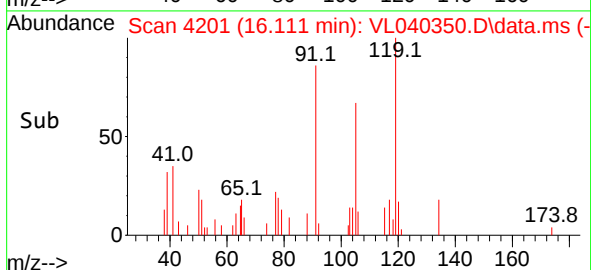
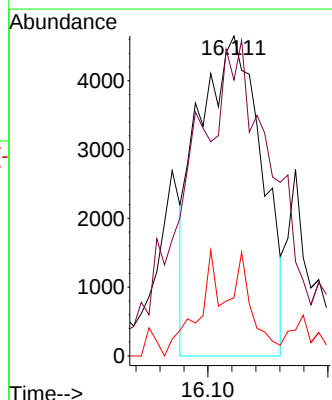
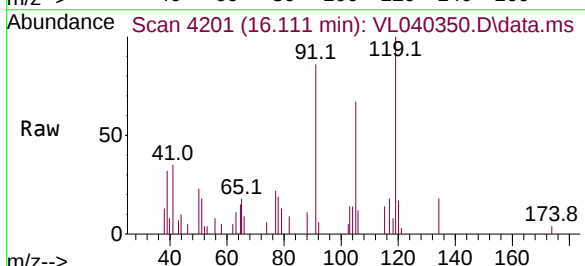
Tgt Ion:119 Resp: 8566

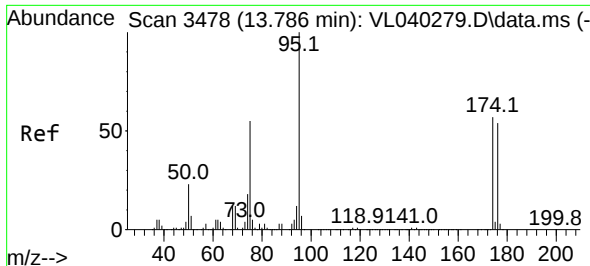
Ion Ratio Lower Upper

119 100

91 149.6 69.4 104.2#

134 22.8 15.8 23.6

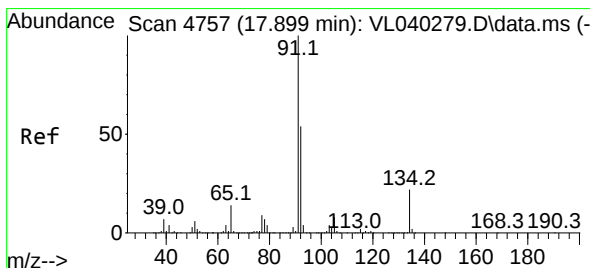
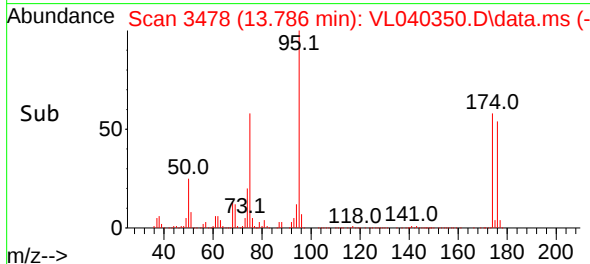
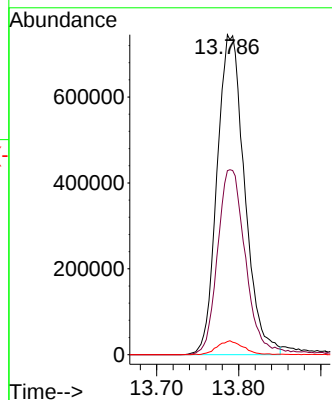
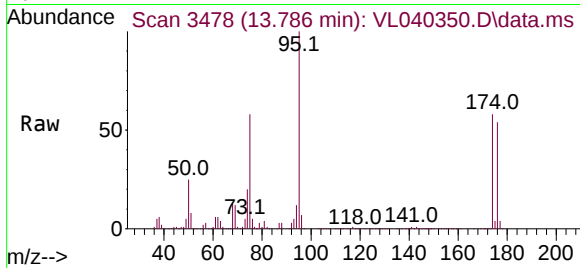




#68
1-Bromo-4-Fluorobenzene
Concen: 9.781 ppbv
RT: 13.786 min Scan# 3478
Delta R.T. 0.000 min
Lab File: VL040350.D
Acq: 13 Apr 2023 00:02

Instrument :
MSVOA_L
ClientSampleId :
MDL-AIR-03-QT2-2023

Tgt Ion: 95 Resp: 1741099
Ion Ratio Lower Upper
95 100
174 59.4 47.0 70.6
175 4.2 3.4 5.2



#70
n-Butylbenzene
Concen: 0.034 ppbv
RT: 17.908 min Scan# 4760
Delta R.T. 0.009 min
Lab File: VL040350.D
Acq: 13 Apr 2023 00:02

Tgt Ion: 91 Resp: 10899
Ion Ratio Lower Upper
91 100
92 73.5 42.9 64.3#
134 0.0 16.8 25.2#

