

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL041223\
 Data File : VL040346.D
 Acq On : 12 Apr 2023 19:50
 Operator : SY/MD
 Sample : 02213-15 0.03 MDL
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

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

Quant Time: Apr 13 05:41:08 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL031523AIR.M
 Quant Title : AIR ANALYSIS BY METHOD T0-15 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)

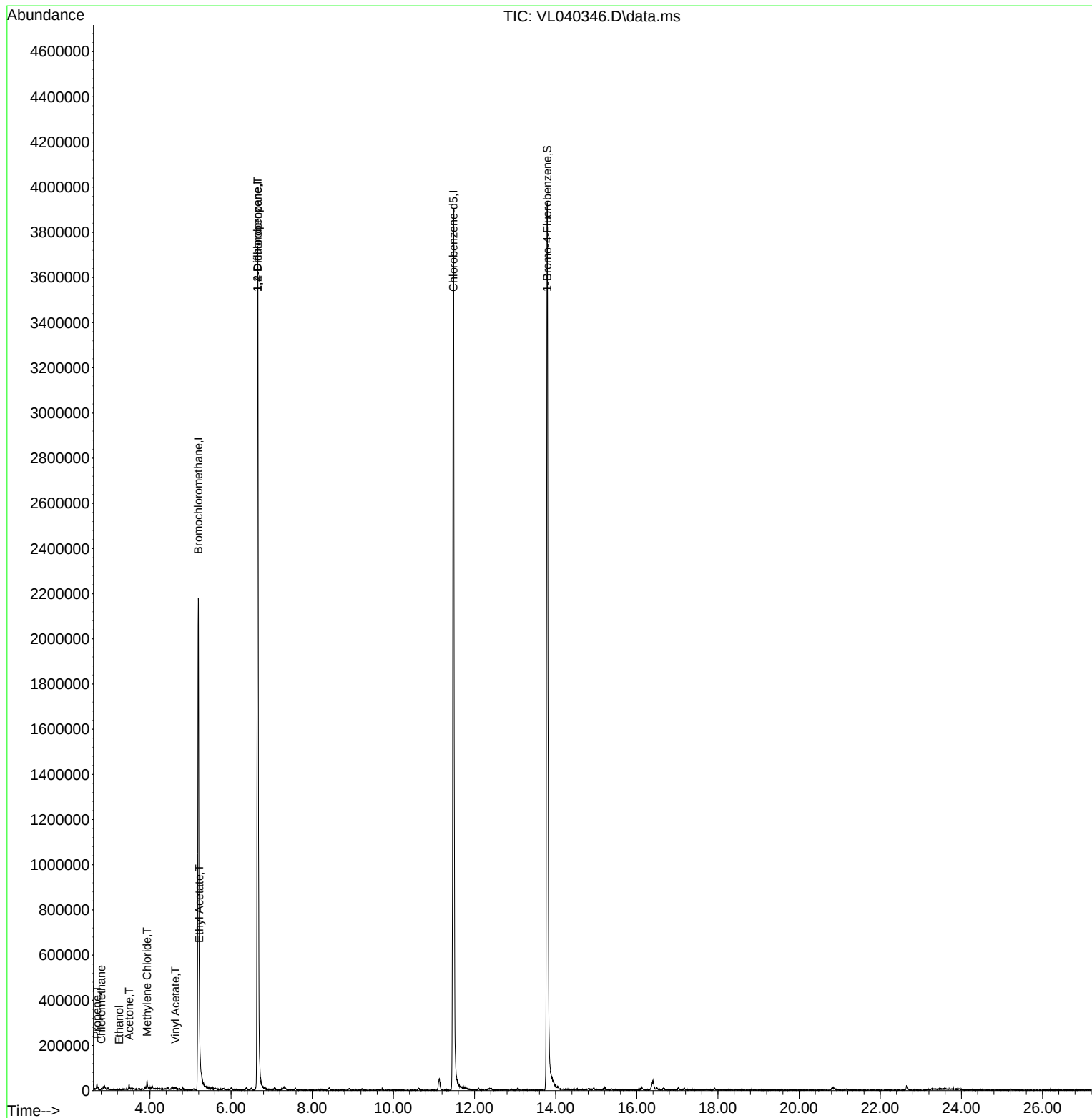
Internal Standards						
1) Bromochloromethane	5.192	49	1110063	10.000	ppbv	0.00
33) 1,4-Difluorobenzene	6.655	114	2951745	10.000	ppbv	0.00
55) Chlorobenzene-d5	11.481	117	2602878	10.000	ppbv	0.00
System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	13.793	95	2044787	9.381	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	93.800%
Target Compounds						
4) Chloromethane	2.803	50	3297	0.038	ppbv #	29
9) Propene	2.693	41	7526	0.141	ppbv	91
13) Ethanol	3.240	45	798	0.203	ppbv #	37
15) Acetone	3.488	43	25469	0.188	ppbv	96
20) Methylene Chloride	3.928	84	10074	0.177	ppbv #	88
23) Vinyl Acetate	4.629	43	1184	0.031	ppbv #	59
25) Ethyl Acetate	5.217	43	7964	0.031	ppbv #	96
39) 1,2-Dichloropropane	6.655	63	715678	8.109	ppbv #	24

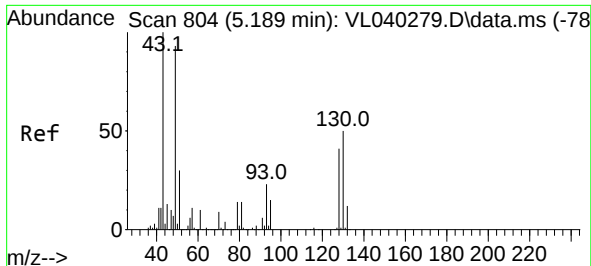
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Response via : Initial Calibration





#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.192 min Scan# 80

Delta R.T. 0.003 min

Lab File: VL040346.D

Acq: 12 Apr 2023 19:50

Instrument :

MSVOA_L

ClientSampleId :

MDL-AIR-03-QT2-2023

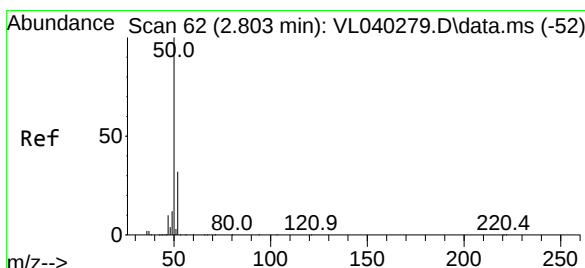
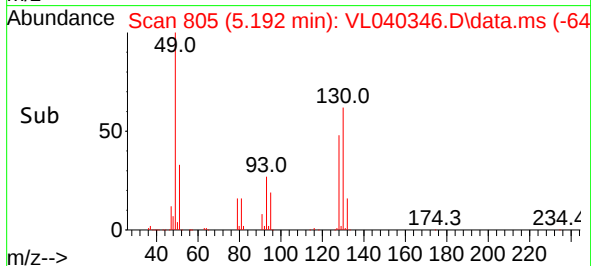
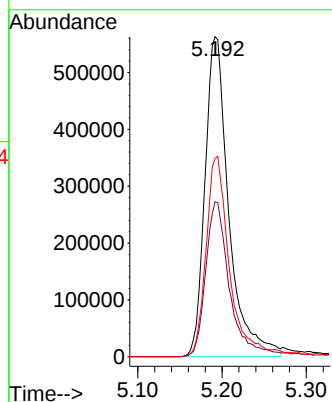
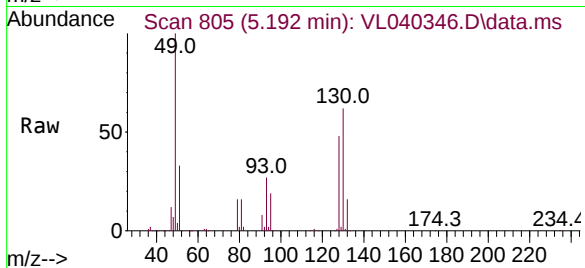
Tgt Ion: 49 Resp: 1110063

Ion Ratio Lower Upper

49 100

128 50.1 22.4 67.3

130 64.1 28.7 86.1



#4

Chloromethane

Concen: 0.038 ppbv

RT: 2.803 min Scan# 62

Delta R.T. -0.000 min

Lab File: VL040346.D

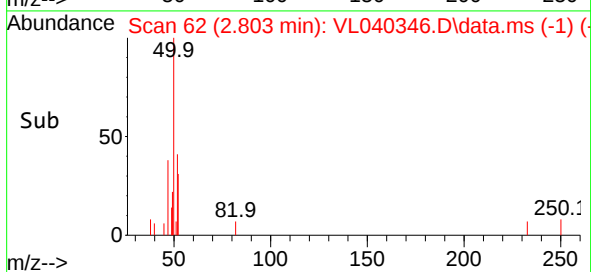
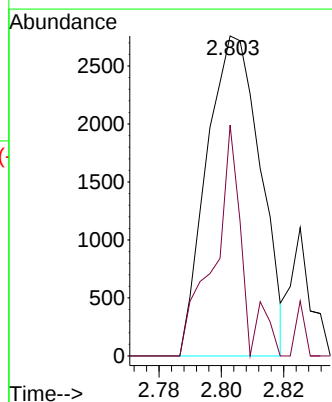
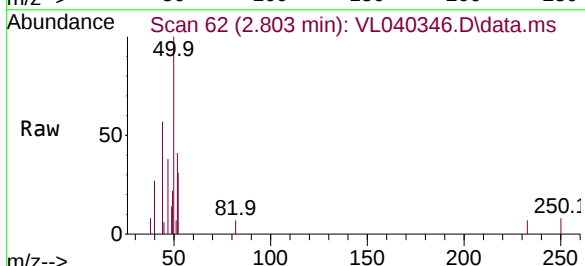
Acq: 12 Apr 2023 19:50

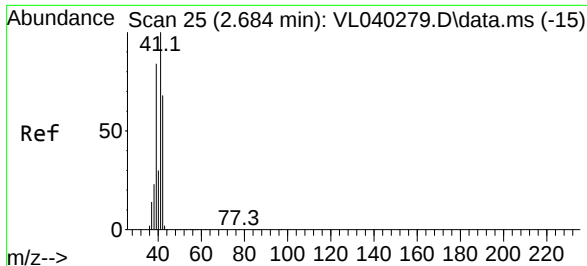
Tgt Ion: 50 Resp: 3297

Ion Ratio Lower Upper

50 100

52 72.1 25.9 38.9#

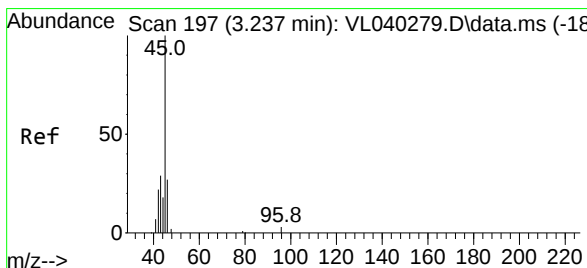
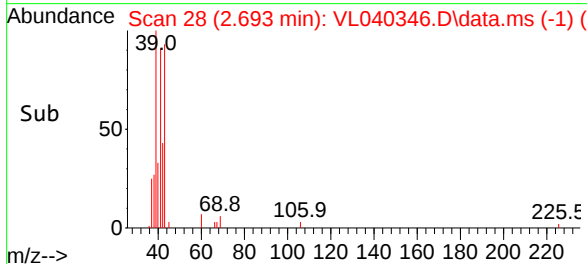
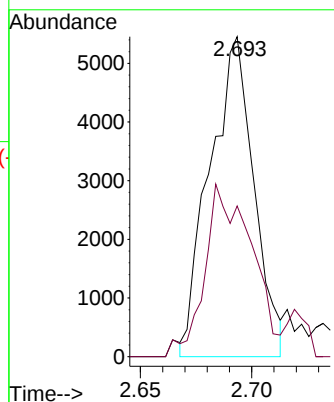
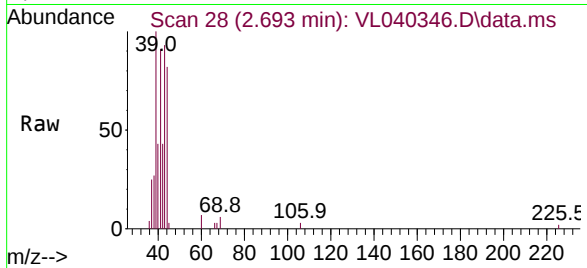




#9
 Propene
 Concen: 0.141 ppbv
 RT: 2.693 min Scan# 21
 Delta R.T. 0.009 min
 Lab File: VL040346.D
 Acq: 12 Apr 2023 19:50

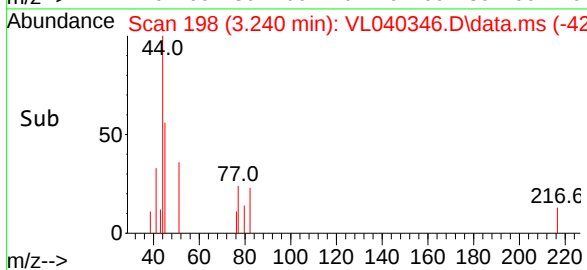
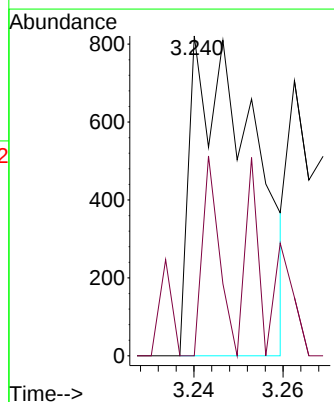
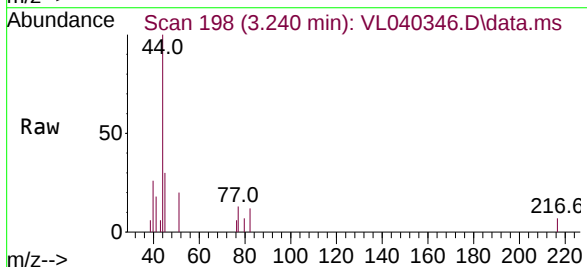
Instrument :
 MSVOA_L
 ClientSampleId :
 MDL-AIR-03-QT2-2023

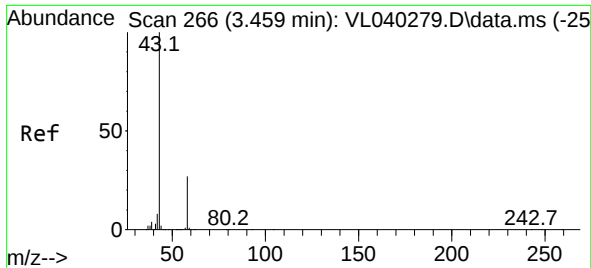
Tgt Ion: 41 Resp: 7526
 Ion Ratio Lower Upper
 41 100
 42 66.1 59.0 88.4



#13
 Ethanol
 Concen: 0.203 ppbv
 RT: 3.240 min Scan# 198
 Delta R.T. 0.003 min
 Lab File: VL040346.D
 Acq: 12 Apr 2023 19:50

Tgt Ion: 45 Resp: 798
 Ion Ratio Lower Upper
 45 100
 46 0.0 15.0 60.2#





#15

Acetone

Concen: 0.188 ppbv

RT: 3.488 min Scan# 21

Delta R.T. 0.029 min

Lab File: VL040346.D

Acq: 12 Apr 2023 19:50

Instrument :

MSVOA_L

ClientSampleId :

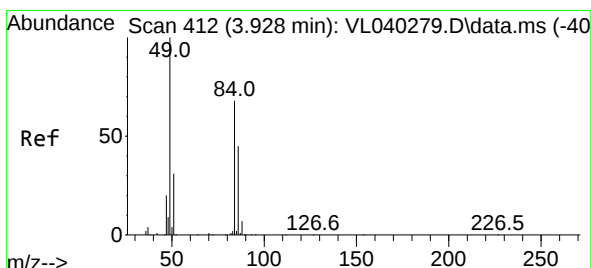
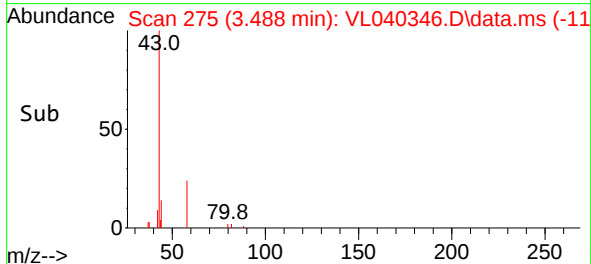
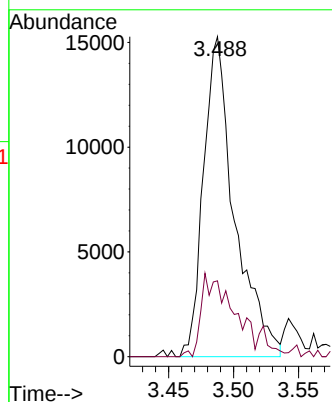
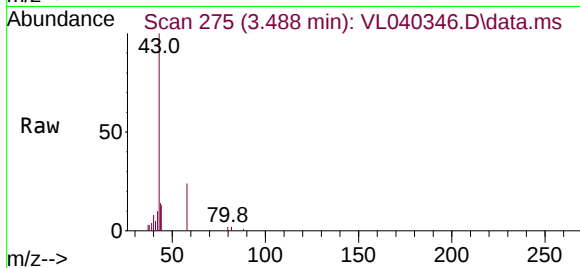
MDL-AIR-03-QT2-2023

Tgt Ion: 43 Resp: 25469

Ion Ratio Lower Upper

43 100

58 29.5 21.8 32.8



#20

Methylene Chloride

Concen: 0.177 ppbv

RT: 3.928 min Scan# 412

Delta R.T. 0.000 min

Lab File: VL040346.D

Acq: 12 Apr 2023 19:50

Tgt Ion: 84 Resp: 10074

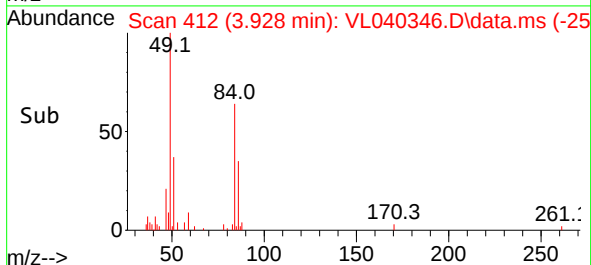
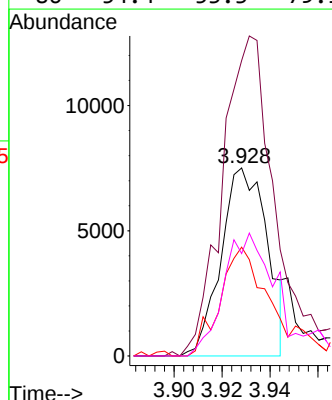
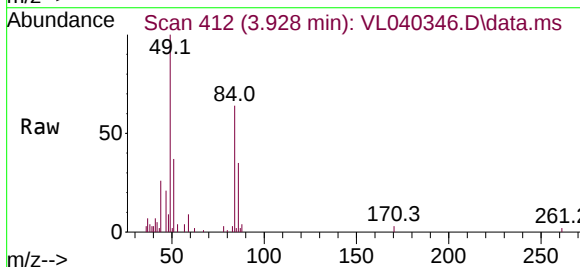
Ion Ratio Lower Upper

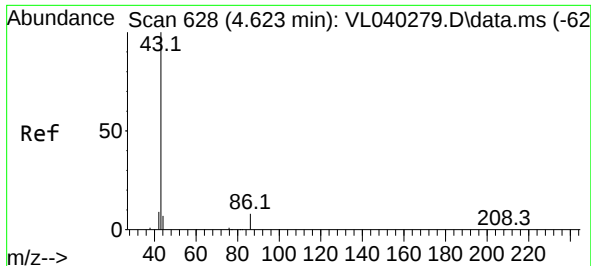
84 100

49 157.1 117.5 176.3

51 57.9 36.9 55.3#

86 54.4 53.3 79.9

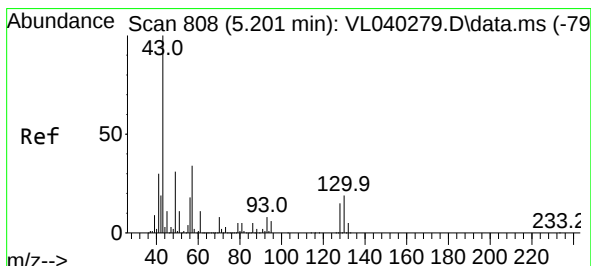
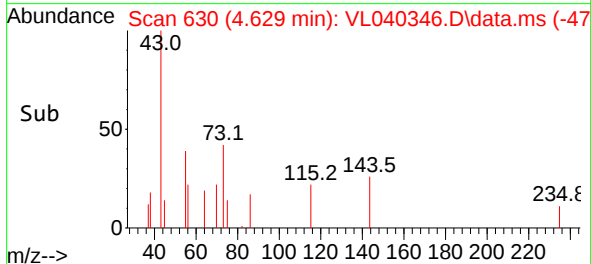
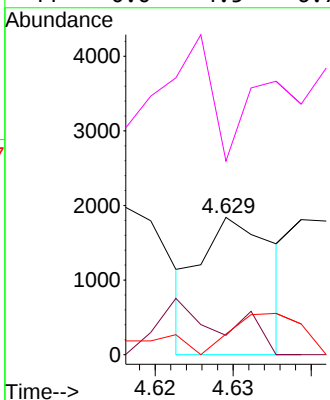
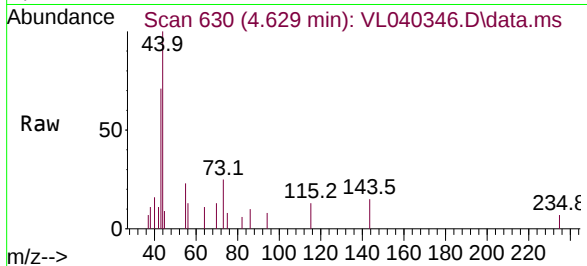




#23
 Vinyl Acetate
 Concen: 0.031 ppbv
 RT: 4.629 min Scan# 611
 Delta R.T. 0.006 min
 Lab File: VL040346.D
 Acq: 12 Apr 2023 19:50

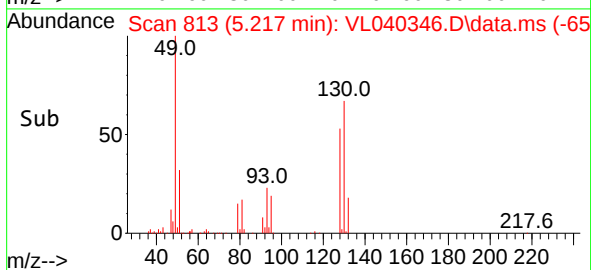
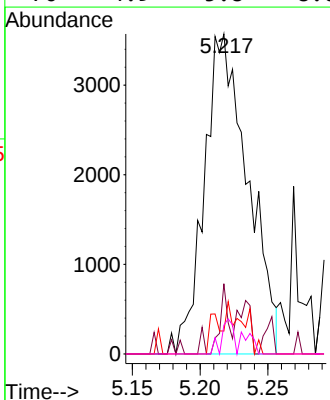
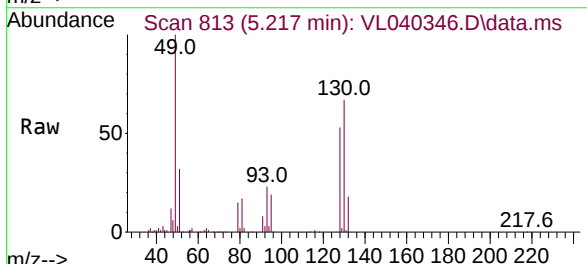
Instrument :
 MSVOA_L
 ClientSampleId :
 MDL-AIR-03-QT2-2023

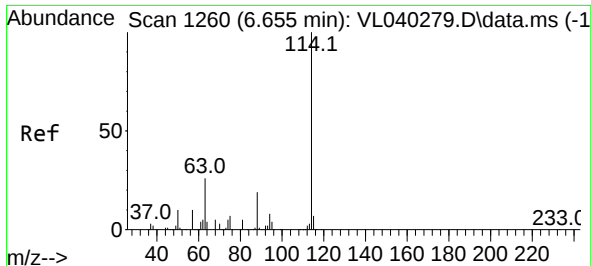
Tgt Ion: 43	Resp:	1184	
Ion	Ratio	Lower	Upper
43	100		
86	37.2	5.0	7.4#
42	1.3	9.1	13.7#
44	0.0	4.5	6.7#



#25
 Ethyl Acetate
 Concen: 0.031 ppbv
 RT: 5.217 min Scan# 813
 Delta R.T. 0.016 min
 Lab File: VL040346.D
 Acq: 12 Apr 2023 19:50

Tgt Ion: 43	Resp: 7964
Ion Ratio	Lower Upper
43 100	
45 11.8	8.6 12.8
61 9.7	8.4 12.6
70 4.9	5.8 8.6#





#33

1,4-Difluorobenzene

Concen: 10.000 ppbv

RT: 6.655 min Scan# 1260

Delta R.T. -0.000 min

Lab File: VL040346.D

Acq: 12 Apr 2023 19:50

Instrument :

MSVOA_L

ClientSampleId :

MDL-AIR-03-QT2-2023

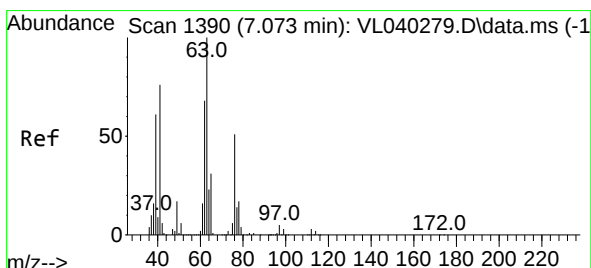
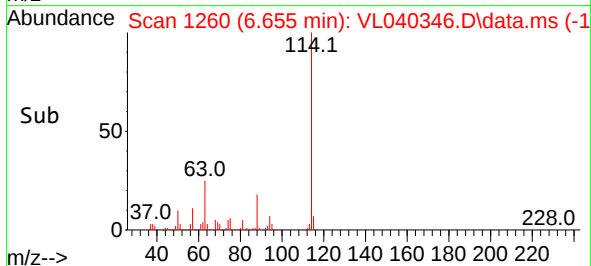
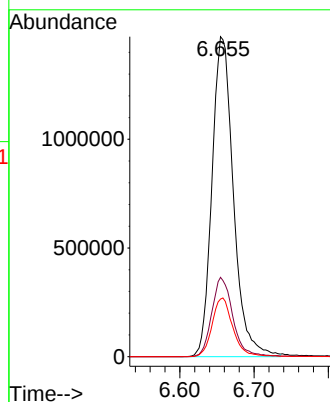
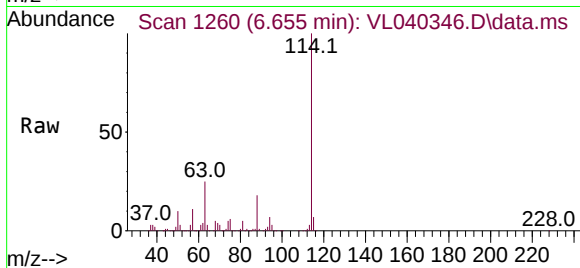
Tgt Ion:114 Resp: 2951745

Ion Ratio Lower Upper

114 100

63 24.6 21.2 31.8

88 18.0 14.5 21.7



#39

1,2-Dichloropropane

Concen: 8.109 ppbv

RT: 6.655 min Scan# 1260

Delta R.T. -0.418 min

Lab File: VL040346.D

Acq: 12 Apr 2023 19:50

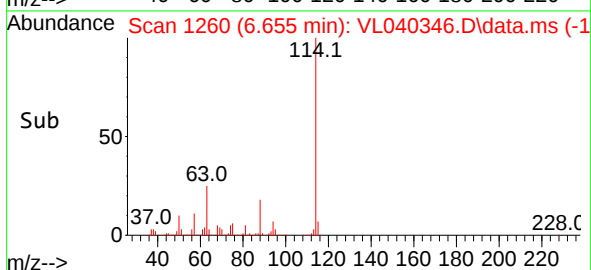
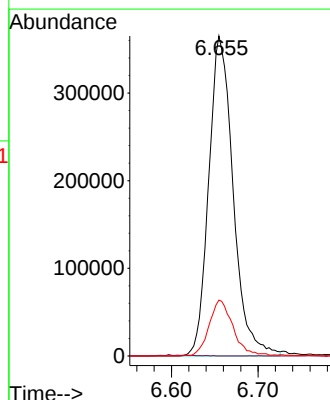
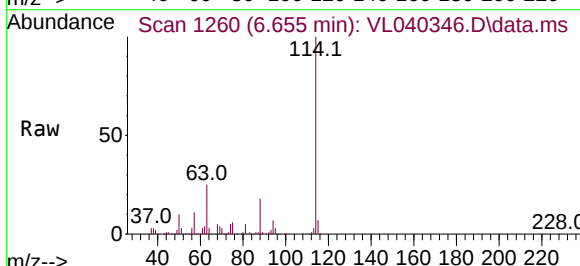
Tgt Ion: 63 Resp: 715678

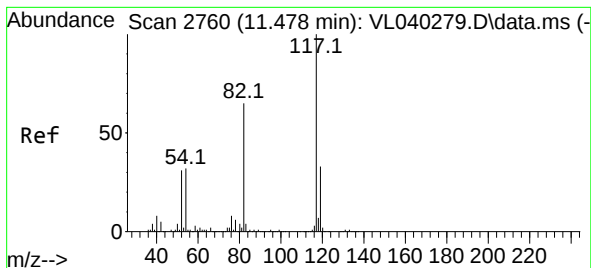
Ion Ratio Lower Upper

63 100

41 0.0 60.8 91.2#

62 17.5 54.1 81.1#





#55

Chlorobenzene-d5

Concen: 10.000 ppbv

RT: 11.481 min Scan# 21

Delta R.T. 0.003 min

Lab File: VL040346.D

Acq: 12 Apr 2023 19:50

Instrument :

MSVOA_L

ClientSampleId :

MDL-AIR-03-QT2-2023

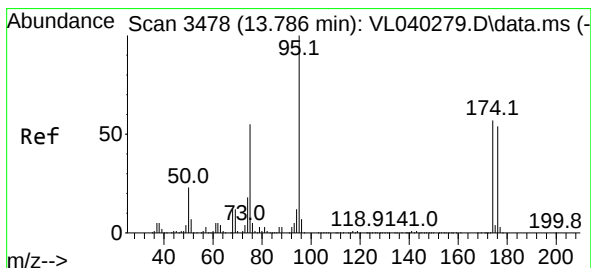
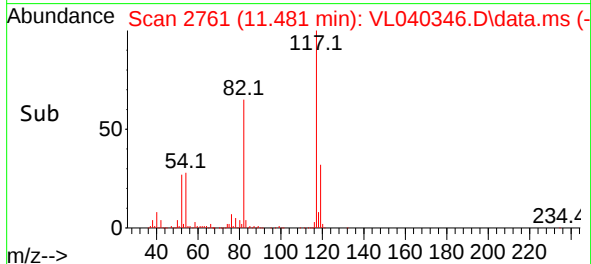
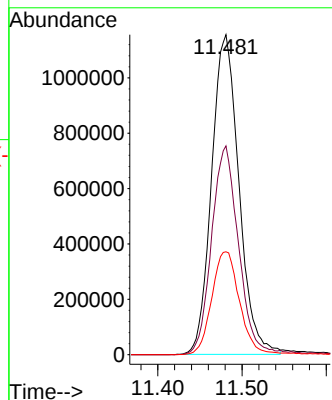
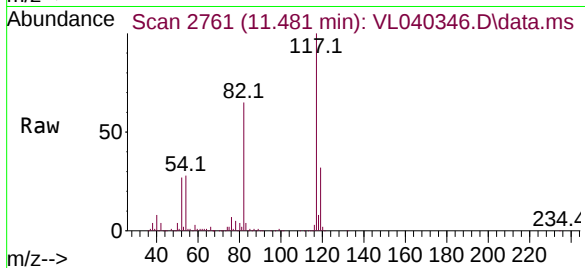
Tgt Ion:117 Resp: 2602878

Ion Ratio Lower Upper

117 100

82 65.6 51.4 77.2

119 33.3 24.0 36.0



#68

1-Bromo-4-Fluorobenzene

Concen: 9.381 ppbv

RT: 13.793 min Scan# 3480

Delta R.T. 0.007 min

Lab File: VL040346.D

Acq: 12 Apr 2023 19:50

Tgt Ion: 95 Resp: 2044787

Ion Ratio Lower Upper

95 100

174 63.5 47.0 70.6

175 4.6 3.4 5.2

