

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL051123\
 Data File : VL040412.D
 Acq On : 11 May 2023 22:38
 Operator : SY/MD
 Sample : VIBLK
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VIBLK

Quant Time: May 12 05:59:01 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL041323AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Aug 26 06:05:16 2022
 QLast Update : Thu Apr 13 14:37:02 2023
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

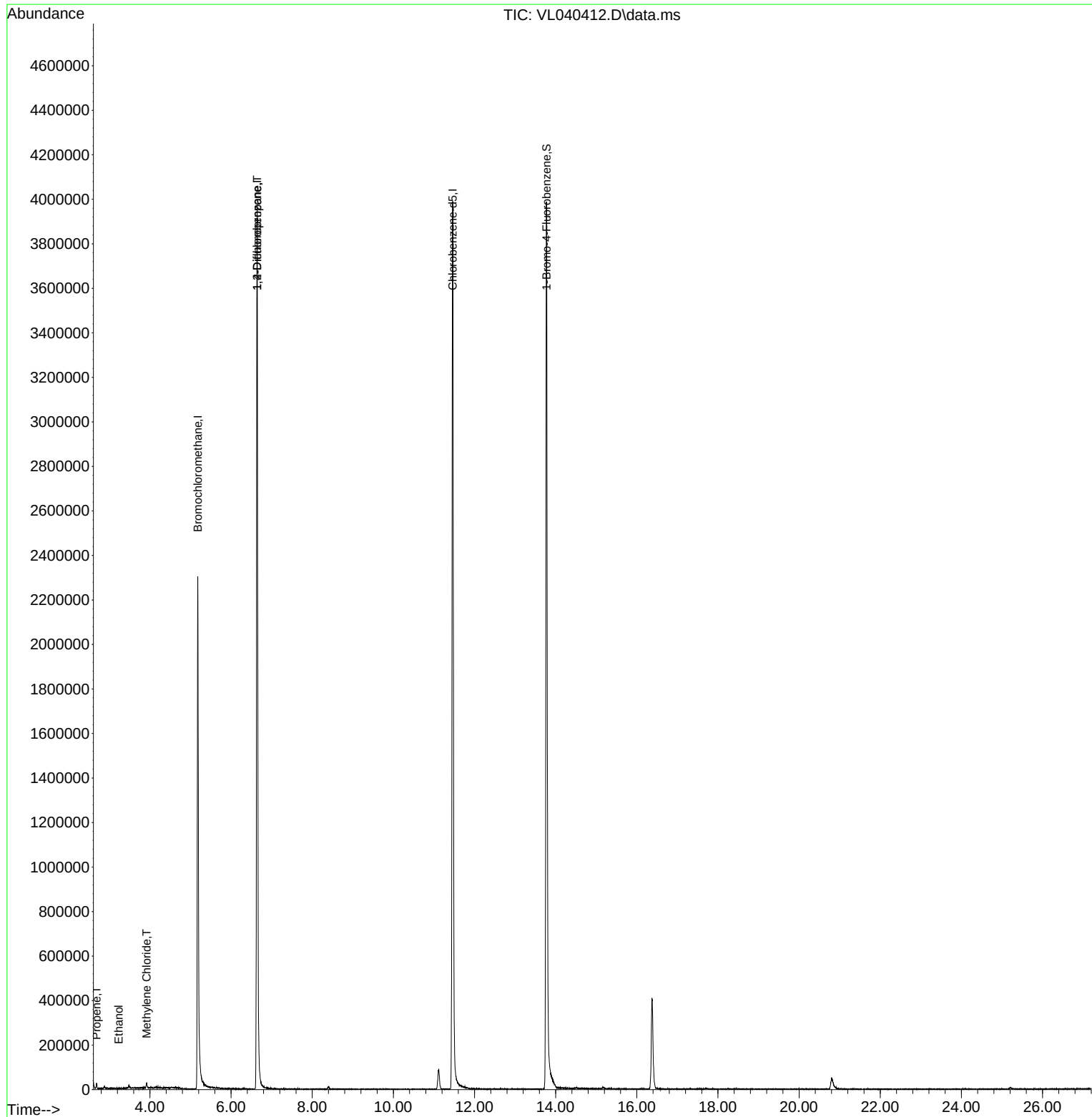
Internal Standards						
1) Bromochloromethane	5.179	49	1169156	10.000	ppbv	-0.01
33) 1,4-Difluorobenzene	6.642	114	3152934	10.000	ppbv	-0.01
55) Chlorobenzene-d5	11.465	117	2735355	10.000	ppbv	0.00
System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	13.774	95	2039491	9.017	ppbv	-0.01
Spiked Amount	10.000	Range	65 - 135	Recovery	=	90.200%
Target Compounds						
					Qvalue	
9) Propene	2.681	41	2608	0.043	ppbv #	14
13) Ethanol	3.231	45	298	0.059	ppbv #	37
20) Methylene Chloride	3.919	84	6495	0.098	ppbv #	74
39) 1,2-Dichloropropane	6.642	63	763666	7.545	ppbv #	24

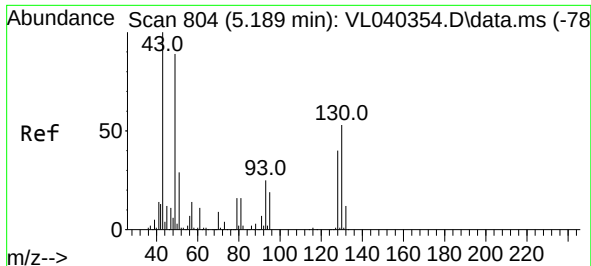
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.179 min Scan# 804

Delta R.T. -0.010 min

Lab File: VL040412.D

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Instrument :

MSVOA_L

ClientSampleId :

VIBLK

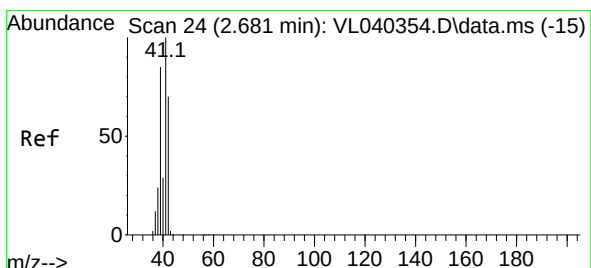
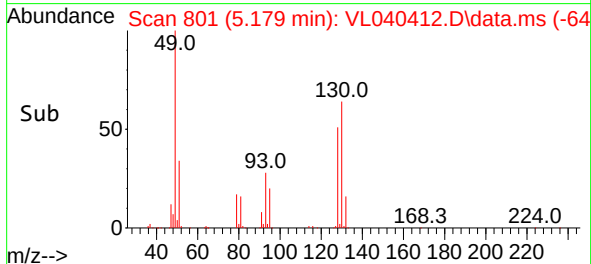
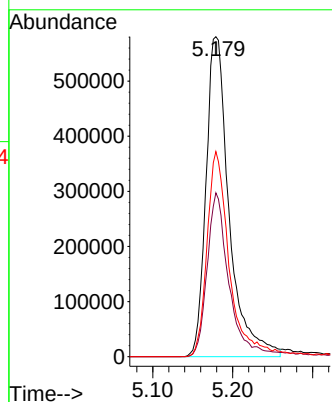
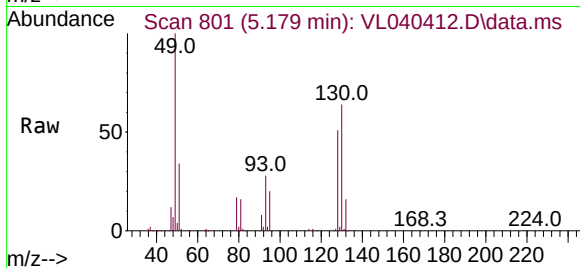
Tgt Ion: 49 Resp: 1169156

Ion Ratio Lower Upper

49 100

128 50.1 23.7 71.1

130 62.7 29.9 89.8



#9

Propene

Concen: 0.043 ppbv

RT: 2.681 min Scan# 24

Delta R.T. -0.000 min

Lab File: VL040412.D

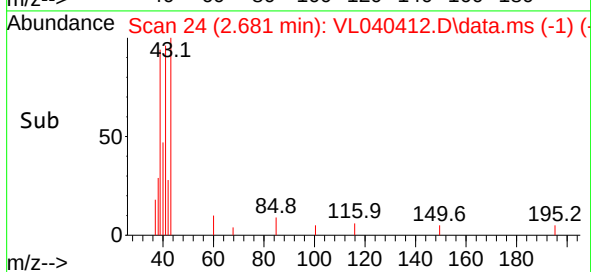
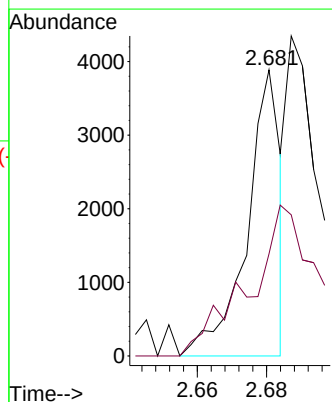
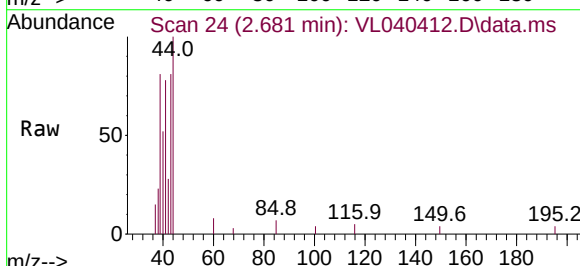
Acq: 11 May 2023 22:38

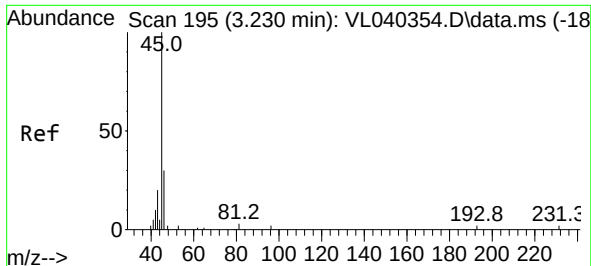
Tgt Ion: 41 Resp: 2608

Ion Ratio Lower Upper

41 100

42 0.0 56.5 84.7#

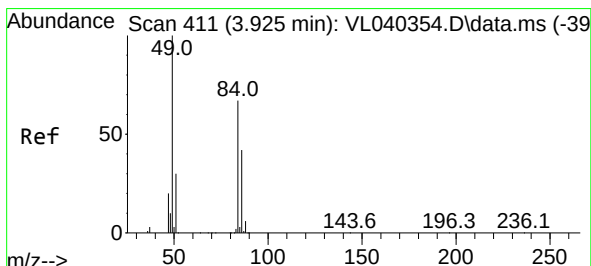
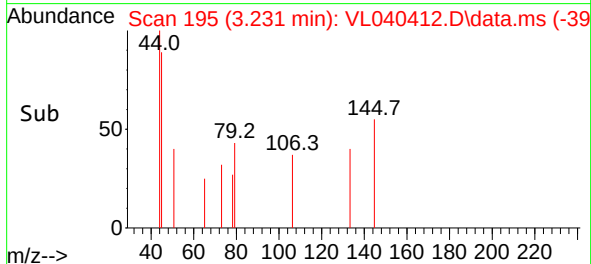
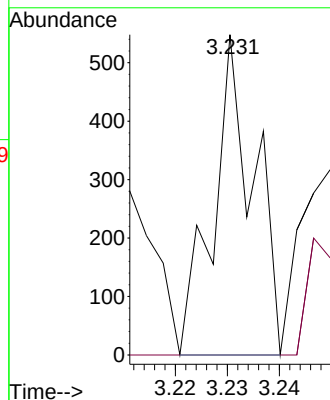
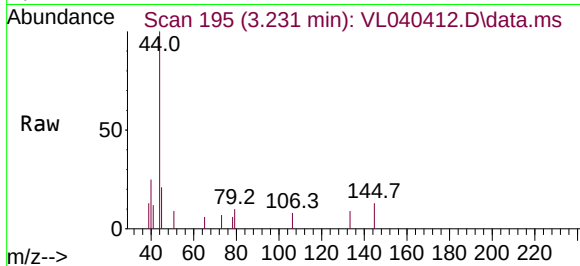




#13
 Ethanol
 Concen: 0.059 ppbv
 RT: 3.231 min Scan# 195
 Delta R.T. 0.001 min
 Lab File: VL040412.D
 Acq: 11 May 2023 22:38

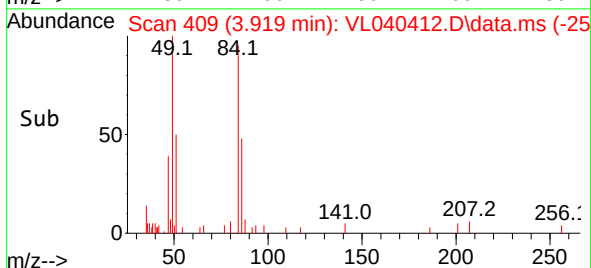
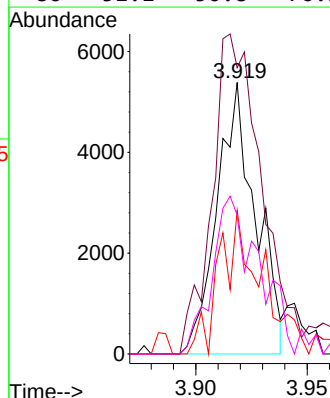
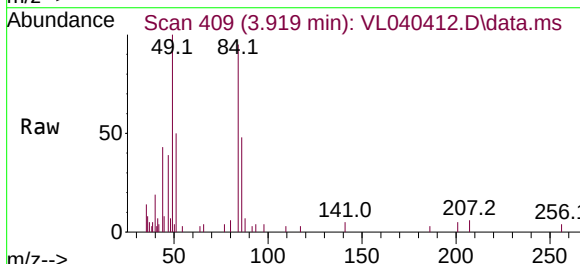
Instrument :
 MSVOA_L
 ClientSampleId :
 VIBLK

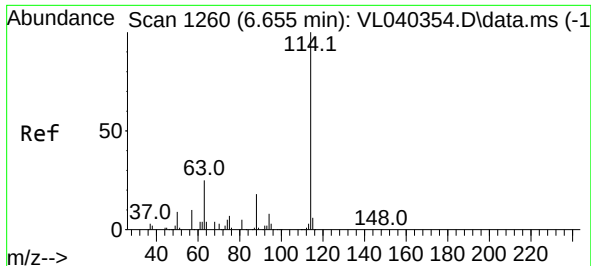
Tgt Ion: 45 Resp: 298
 Ion Ratio Lower Upper
 45 100
 46 0.0 15.3 61.3#



#20
 Methylene Chloride
 Concen: 0.098 ppbv
 RT: 3.919 min Scan# 409
 Delta R.T. -0.006 min
 Lab File: VL040412.D
 Acq: 11 May 2023 22:38

Tgt Ion: 84 Resp: 6495
 Ion Ratio Lower Upper
 84 100
 49 105.4 120.1 180.1#
 51 52.9 36.3 54.5
 86 51.1 50.8 76.2





#33

1,4-Difluorobenzene

Concen: 10.000 ppbv

RT: 6.642 min Scan# 1256

Delta R.T. -0.013 min

Lab File: VL040412.D

Acq: 11 May 2023 22:38

Instrument :

MSVOA_L

ClientSampleId :

VIBLK

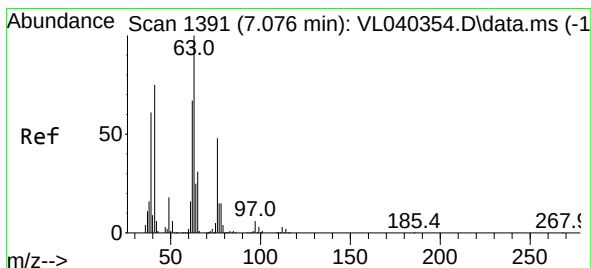
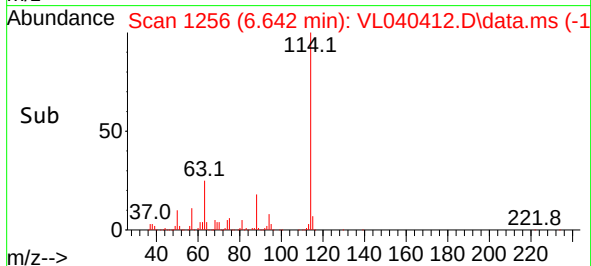
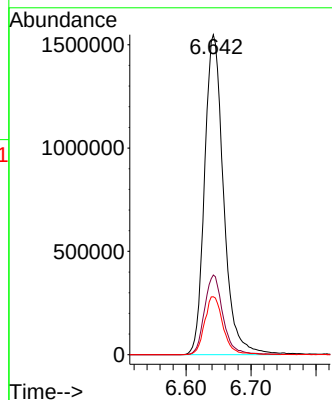
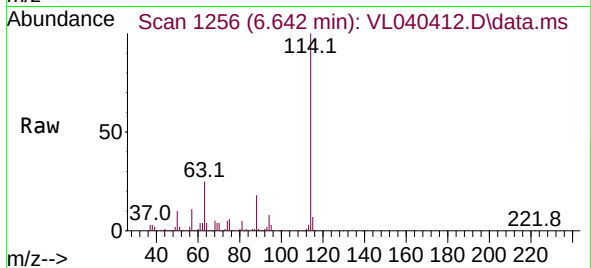
Tgt Ion:114 Resp: 3152934

Ion Ratio Lower Upper

114 100

63 24.6 21.4 32.0

88 17.8 14.6 22.0



#39

1,2-Dichloropropane

Concen: 7.545 ppbv

RT: 6.642 min Scan# 1256

Delta R.T. -0.434 min

Lab File: VL040412.D

Acq: 11 May 2023 22:38

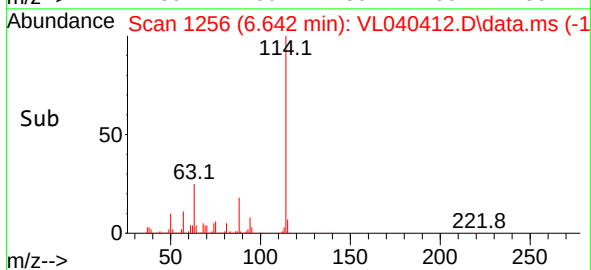
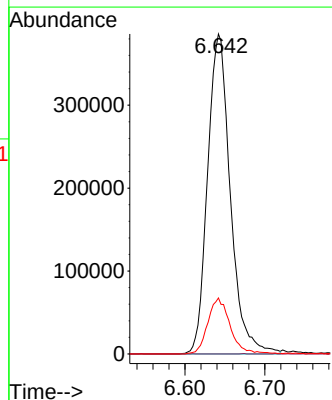
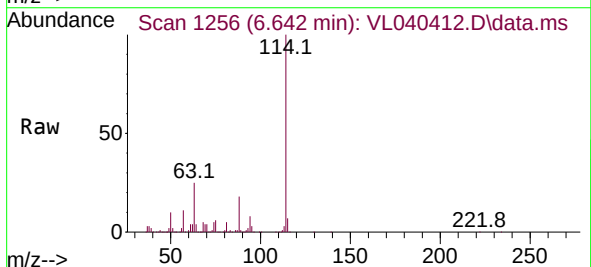
Tgt Ion: 63 Resp: 763666

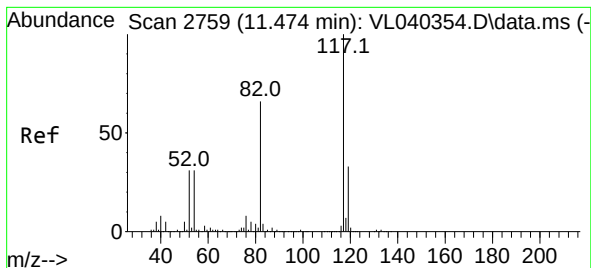
Ion Ratio Lower Upper

63 100

41 0.0 59.6 89.4#

62 17.5 53.9 80.9#





#55

Chlorobenzene-d5

Concen: 10.000 ppbv

RT: 11.465 min Scan# 21

Delta R.T. -0.009 min

Lab File: VL040412.D

Acq: 11 May 2023 22:38

Instrument :

MSVOA_L

ClientSampleId :

VIBLK

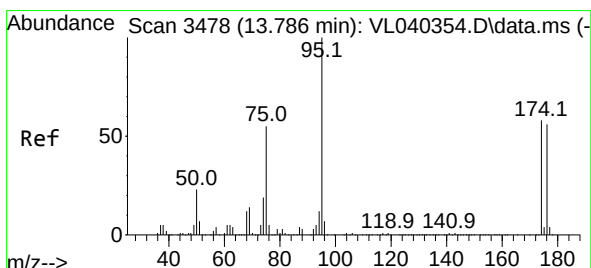
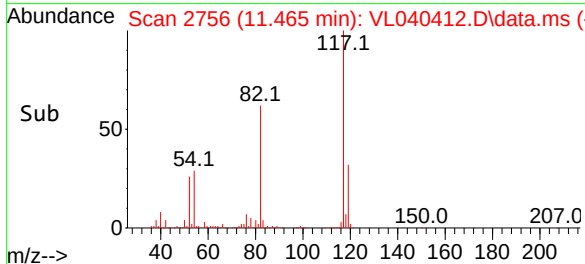
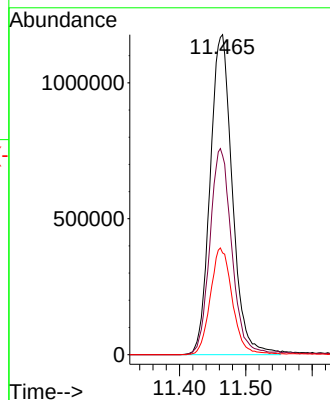
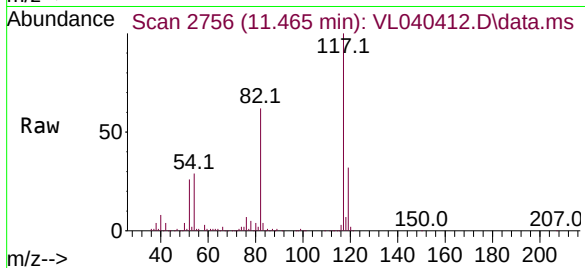
Tgt Ion:117 Resp: 2735355

Ion Ratio Lower Upper

117 100

82 64.4 52.5 78.7

119 33.1 24.3 36.5



#68

1-Bromo-4-Fluorobenzene

Concen: 9.017 ppbv

RT: 13.774 min Scan# 3474

Delta R.T. -0.012 min

Lab File: VL040412.D

Acq: 11 May 2023 22:38

Tgt Ion: 95 Resp: 2039491

Ion Ratio Lower Upper

95 100

174 65.2 47.2 70.8

175 4.7 3.5 5.3

