

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL100422\
 Data File : VL039682.D
 Acq On : 4 Oct 2022 15:51
 Operator : SY/AP
 Sample : VL1004ABL01
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VL1004ABL01

Quant Time: Oct 05 04:39:55 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL091922AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Aug 26 06:05:16 2022
 QLast Update : Mon Sep 19 14:26:28 2022
 Response via : Initial Calibration

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

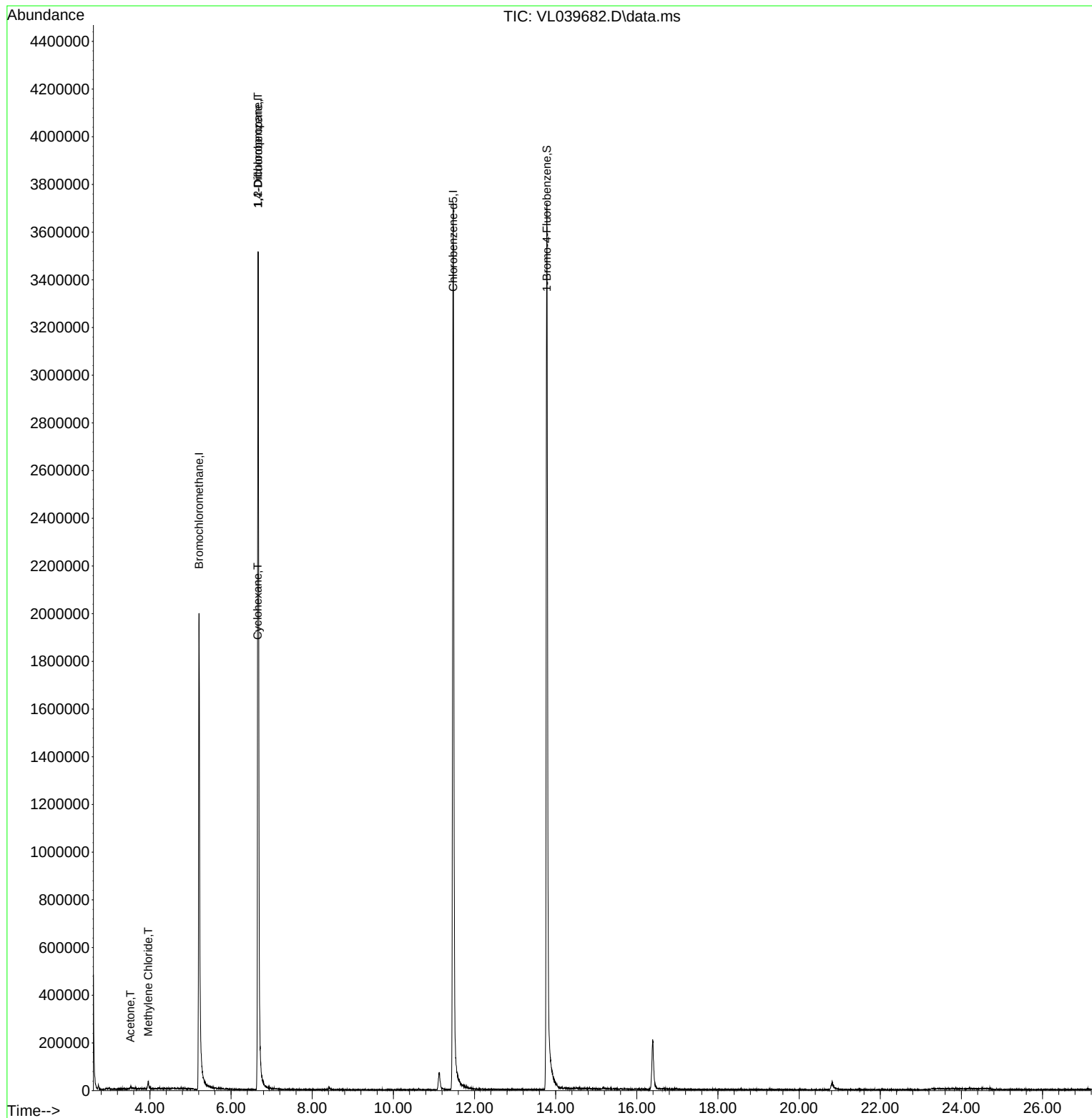
Internal Standards						
1) Bromochloromethane	5.211	49	1093043	10.000	ppbv	0.00
33) 1,4-Difluorobenzene	6.668	114	2845634	10.000	ppbv	0.00
55) Chlorobenzene-d5	11.474	117	2575439	10.000	ppbv	0.00
System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	13.783	95	1862668	9.688	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	96.900%
Target Compounds						
					Qvalue	
15) Acetone	3.520	43	9116	0.075	ppbv #	63
20) Methylene Chloride	3.957	84	5071	0.090	ppbv #	90
30) Cyclohexane	6.651	84	3018	0.035	ppbv #	1
39) 1,2-Dichloropropane	6.664	63	673553	8.018	ppbv #	25

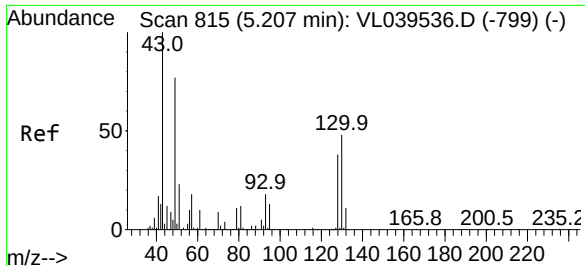
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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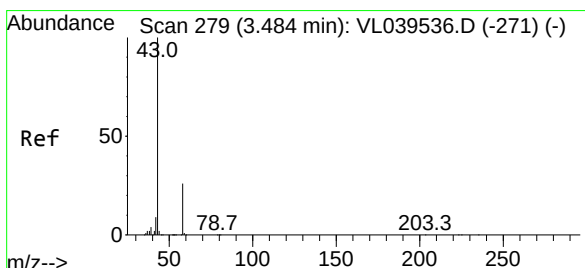
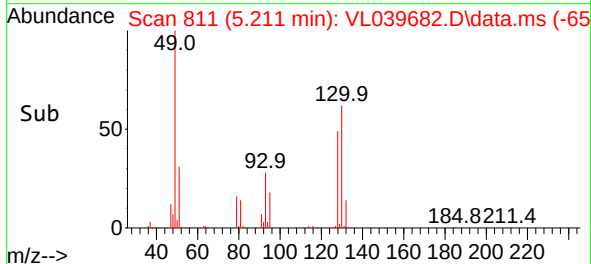
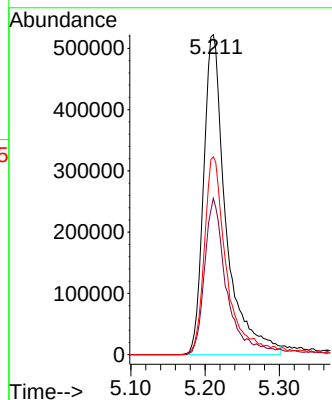
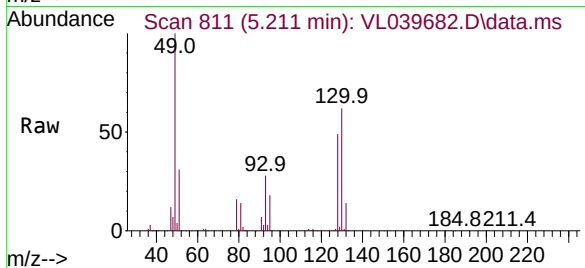




#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 5.211 min Scan# 815
Delta R.T. 0.004 min
Lab File: VL039682.D
Acq: 4 Oct 2022 15:51

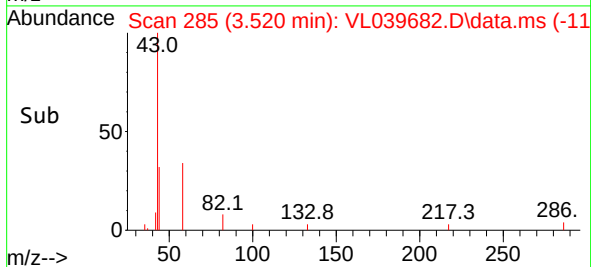
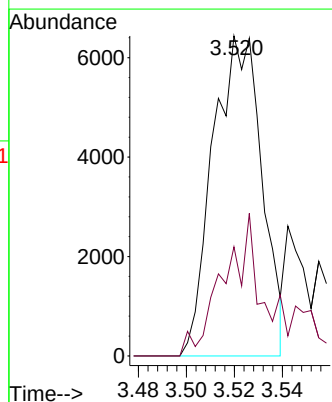
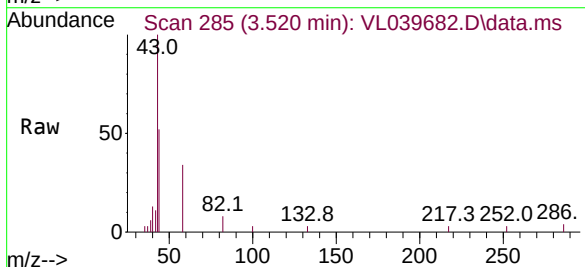
Instrument :
MSVOA_L
ClientSampleId :
VL1004ABL01

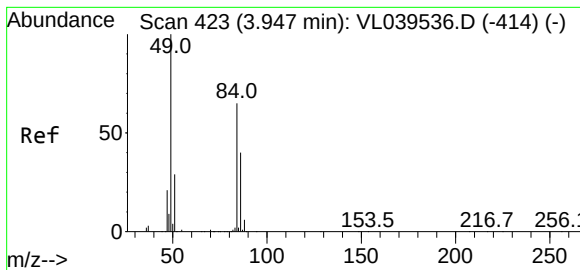
Tgt Ion: 49 Resp: 1093043
Ion Ratio Lower Upper
49 100
128 49.9 26.7 80.0
130 64.4 34.3 102.8



#15
Acetone
Concen: 0.075 ppbv
RT: 3.520 min Scan# 285
Delta R.T. 0.036 min
Lab File: VL039682.D
Acq: 4 Oct 2022 15:51

Tgt Ion: 43 Resp: 9116
Ion Ratio Lower Upper
43 100
58 45.0 21.0 31.6#

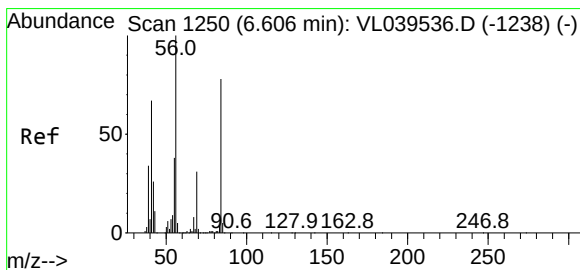
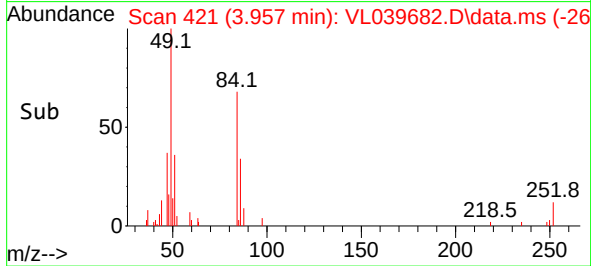
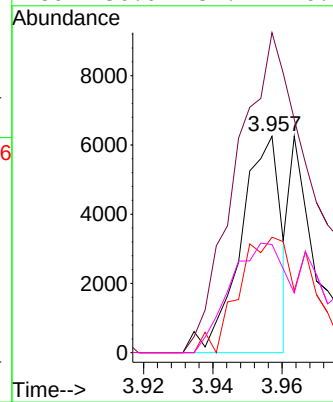
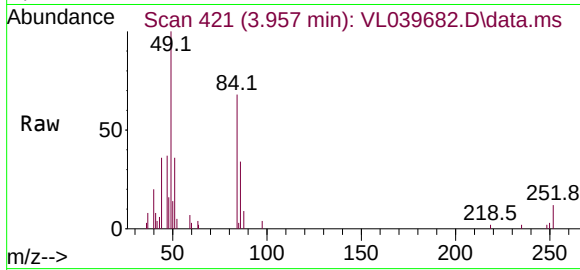




#20
Methylene Chloride
Concen: 0.090 ppbv
RT: 3.957 min Scan# 41
Delta R.T. 0.010 min
Lab File: VL039682.D
Acq: 4 Oct 2022 15:51

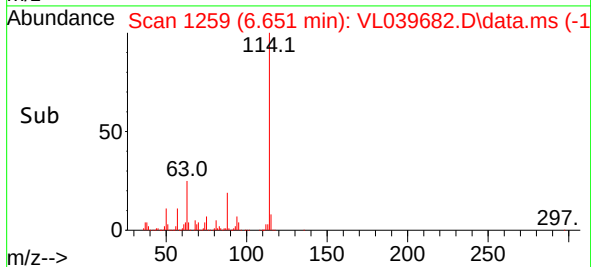
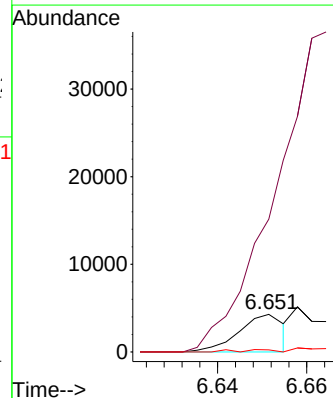
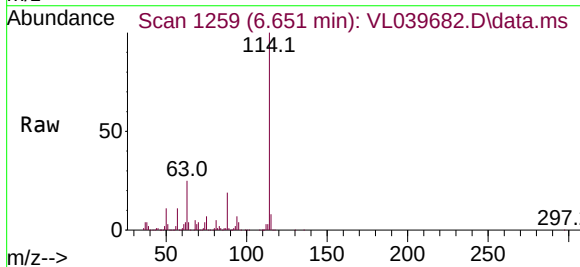
Instrument :
MSVOA_L
ClientSampleId :
VL1004ABL01

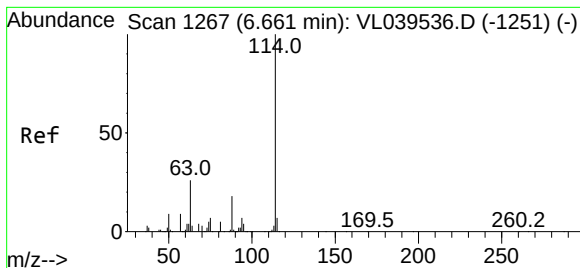
Tgt Ion:	84	Resp:	5071
Ion	Ratio	Lower	Upper
84	100		
49	147.9	123.1	184.7
51	53.4	34.4	51.6#
86	50.0	51.1	76.7#



#30
Cyclohexane
Concen: 0.035 ppbv
RT: 6.651 min Scan# 1259
Delta R.T. 0.046 min
Lab File: VL039682.D
Acq: 4 Oct 2022 15:51

Tgt Ion:	84	Resp:	3018
Ion	Ratio	Lower	Upper
84	100		
56	0.0	107.7	161.5#
41	2.4	67.7	101.5#





#33

1,4-Difluorobenzene

Concen: 10.000 ppbv

RT: 6.668 min Scan# 1

Delta R.T. 0.007 min

Lab File: VL039682.D

Acq: 4 Oct 2022 15:51

Instrument :

MSVOA_L

ClientSampleId :

VL1004ABL01

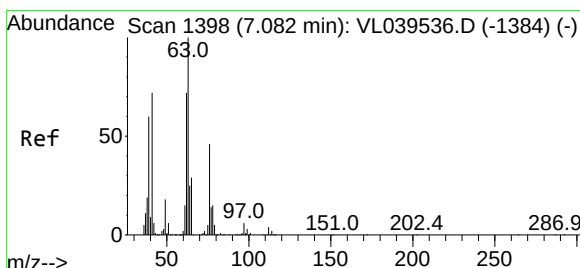
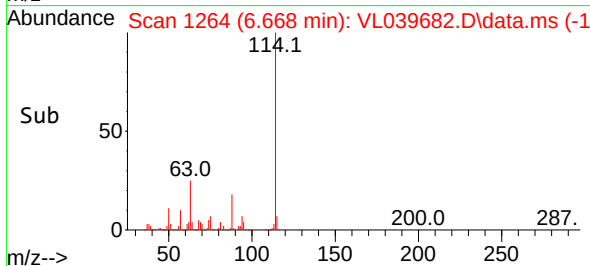
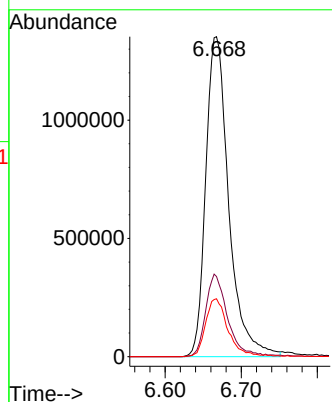
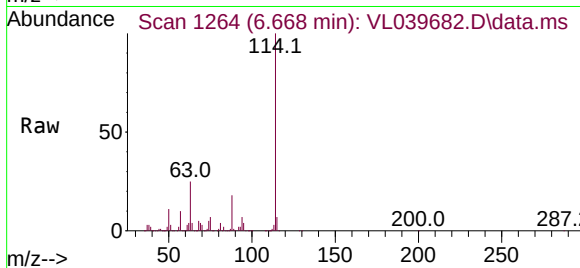
Tgt Ion:114 Resp: 2845634

Ion Ratio Lower Upper

114 100

63 25.1 20.2 30.4

88 17.9 14.5 21.7



#39

1,2-Dichloropropane

Concen: 8.018 ppbv

RT: 6.664 min Scan# 1263

Delta R.T. -0.417 min

Lab File: VL039682.D

Acq: 4 Oct 2022 15:51

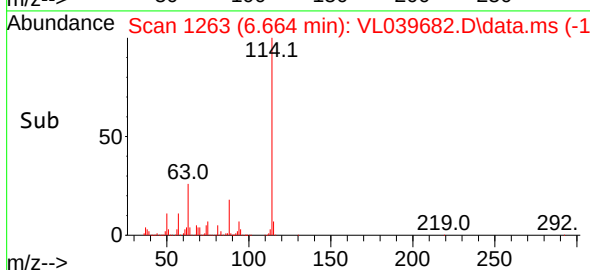
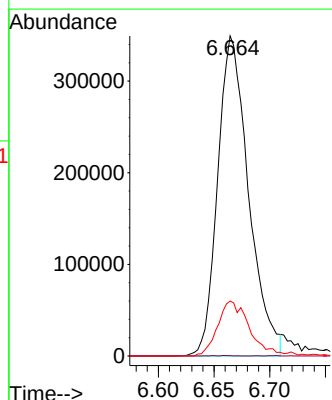
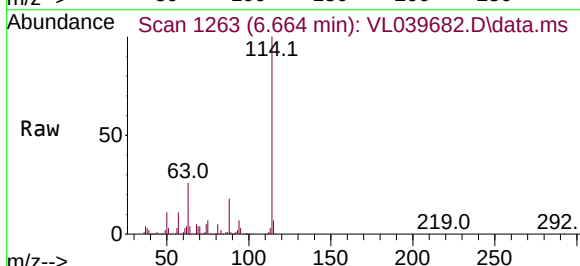
Tgt Ion: 63 Resp: 673553

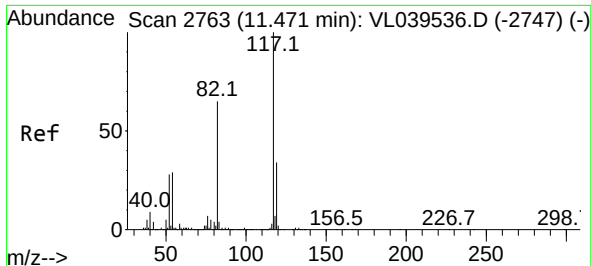
Ion Ratio Lower Upper

63 100

41 0.1 59.6 89.4#

62 17.2 51.4 77.0#





#55

Chlorobenzene-d5

Concen: 10.000 ppbv

RT: 11.474 min Scan# 21

Delta R.T. 0.004 min

Lab File: VL039682.D

Acq: 4 Oct 2022 15:51

Instrument :

MSVOA_1

ClientSampleId :

VL1004ABL01

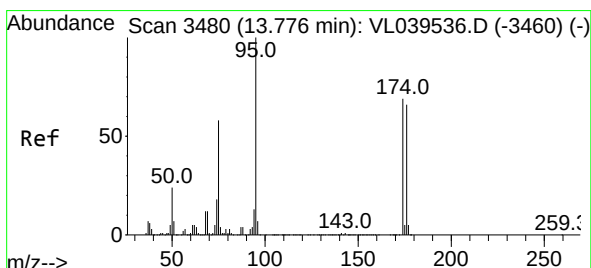
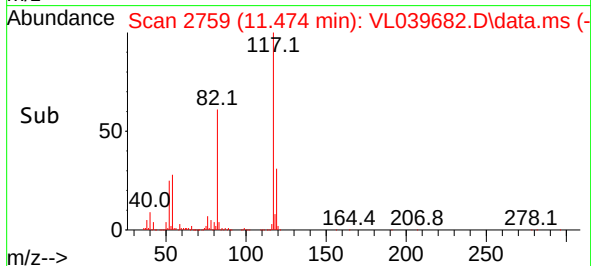
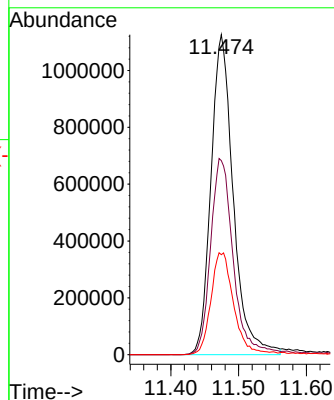
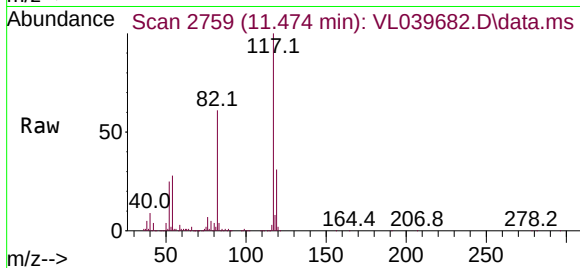
Tgt Ion:117 Resp: 2575439

Ion Ratio Lower Upper

117 100

82 63.9 50.8 76.2

119 33.0 24.1 36.1



#68

1-Bromo-4-Fluorobenzene

Concen: 9.688 ppbv

RT: 13.783 min Scan# 3477

Delta R.T. 0.007 min

Lab File: VL039682.D

Acq: 4 Oct 2022 15:51

Tgt Ion: 95 Resp: 1862668

Ion Ratio Lower Upper

95 100

174 73.2 55.9 83.9

175 5.5 4.2 6.4

