

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL091823\
 Data File : VL040693.D
 Acq On : 18 Sep 2023 10:26
 Operator : SY/MD
 Sample : VL0918ABL01
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VL0918ABL01

Quant Time: Sep 19 05:16:09 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL091423AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Aug 26 06:05:16 2022
 QLast Update : Tue Sep 19 05:12:43 2023
 Response via : Initial Calibration

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

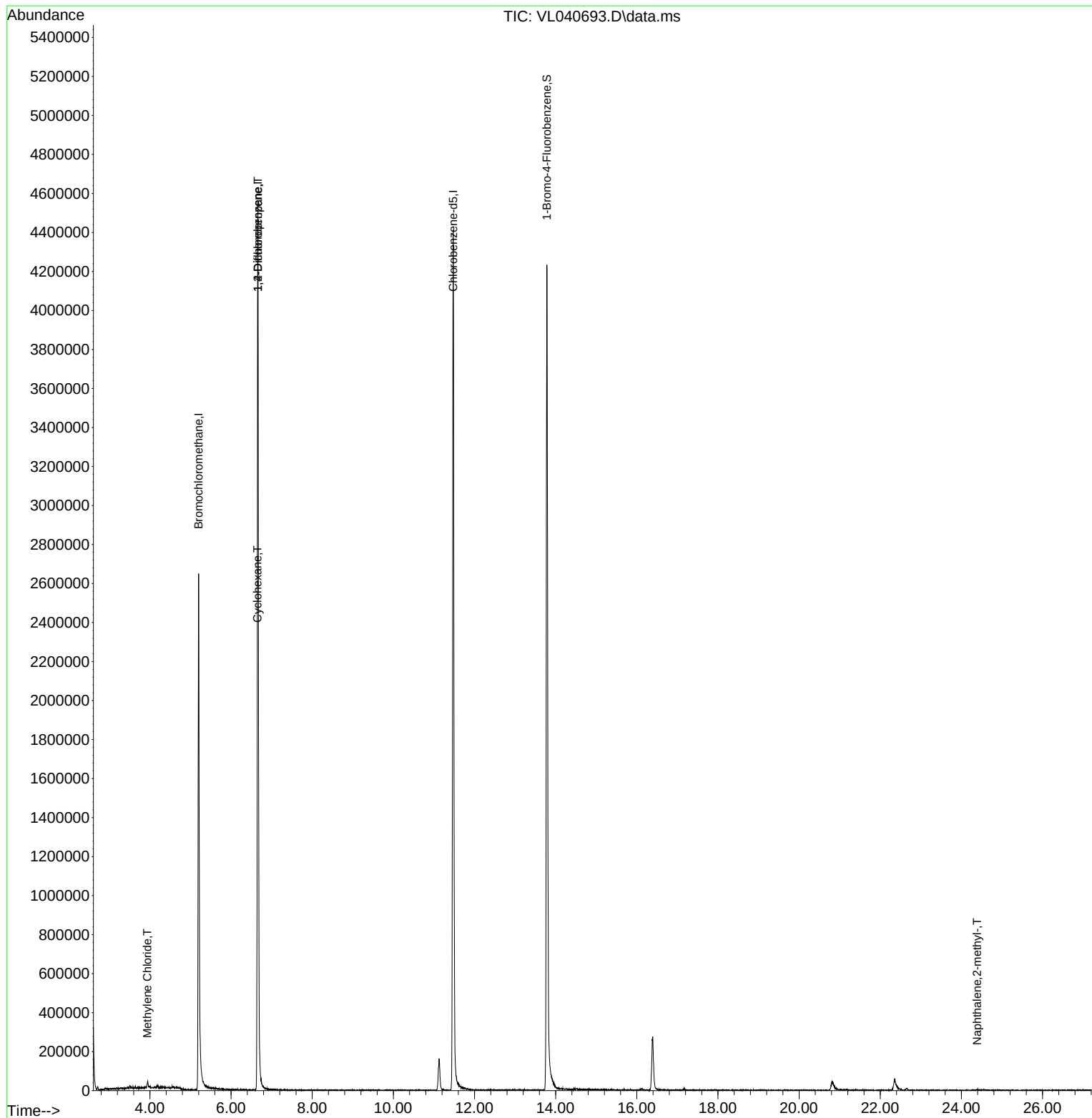
Internal Standards						
1) Bromochloromethane	5.201	49	1302738	10.000	ppbv	0.00
33) 1,4-Difluorobenzene	6.658	114	3450520	10.000	ppbv	0.00
55) Chlorobenzene-d5	11.474	117	2804245	10.000	ppbv	0.00
System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	13.783	95	2072160	9.564	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	95.600%
Target Compounds						
					Qvalue	
20) Methylene Chloride	3.938	84	6815	0.074	ppbv #	73
30) Cyclohexane	6.645	84	4720	0.048	ppbv #	1
39) 1,2-Dichloropropane	6.661	63	846124	8.603	ppbv #	23
80) Naphthalene,2-methyl-	24.387	142	2073	0.039	ppbv #	43

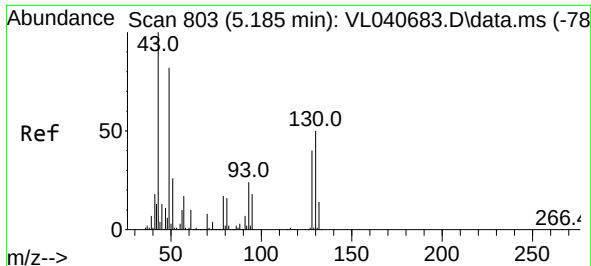
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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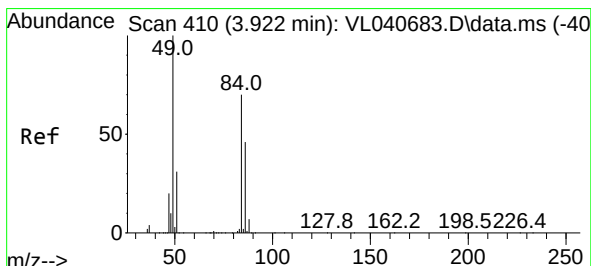
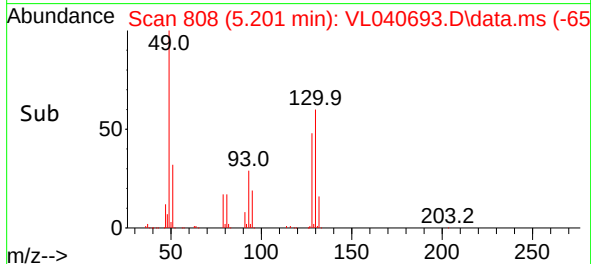
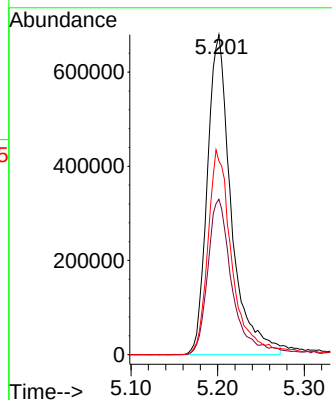
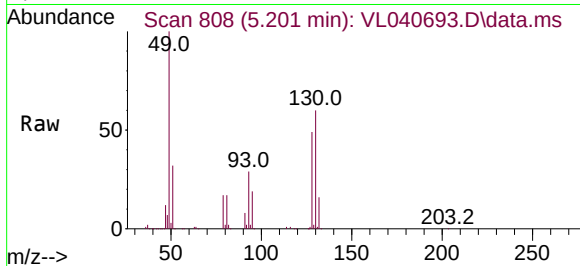




#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 5.201 min Scan# 803
Delta R.T. 0.003 min
Lab File: VL040693.D
Acq: 18 Sep 2023 10:26

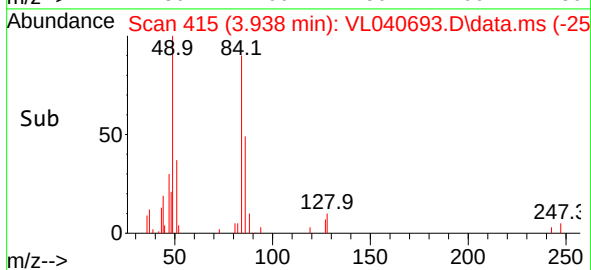
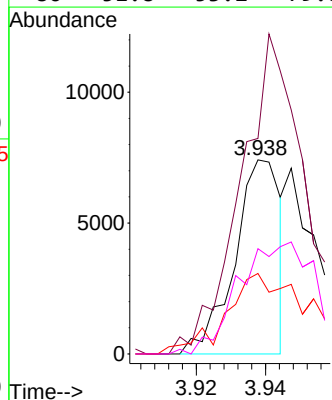
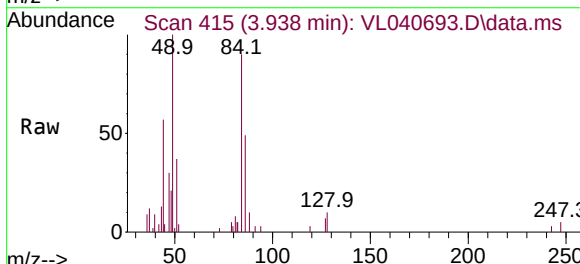
Instrument :
MSVOA_L
ClientSampleId :
VL0918ABL01

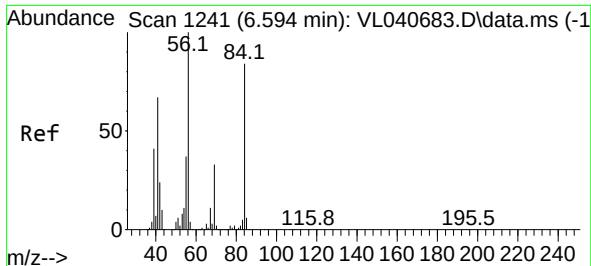
Tgt Ion: 49 Resp: 1302738
Ion Ratio Lower Upper
49 100
128 51.2 25.4 76.0
130 67.8 32.3 96.8



#20
Methylene Chloride
Concen: 0.074 ppbv
RT: 3.938 min Scan# 415
Delta R.T. 0.000 min
Lab File: VL040693.D
Acq: 18 Sep 2023 10:26

Tgt Ion: 84 Resp: 6815
Ion Ratio Lower Upper
84 100
49 99.0 114.4 171.6#
51 36.9 35.5 53.3
86 51.8 53.2 79.8#

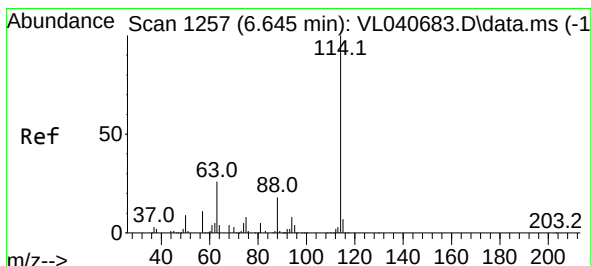
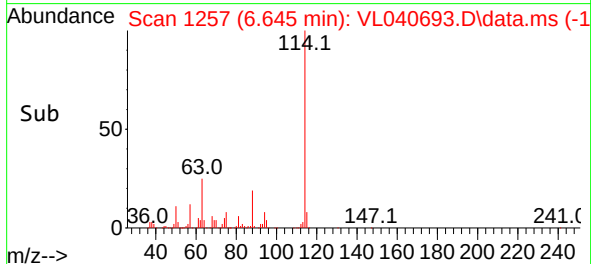
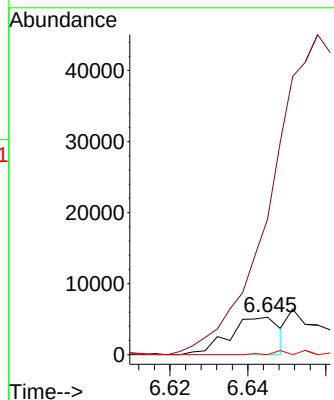
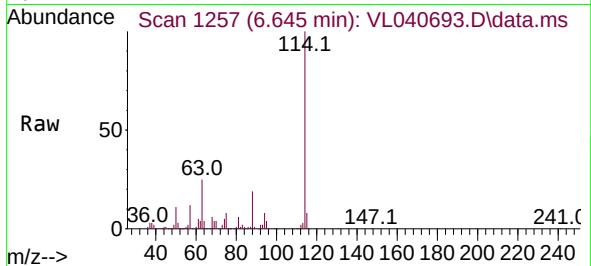




#30
Cyclohexane
Concen: 0.048 ppbv
RT: 6.645 min Scan# 1126
Delta R.T. 0.035 min
Lab File: VL040693.D
Acq: 18 Sep 2023 10:26

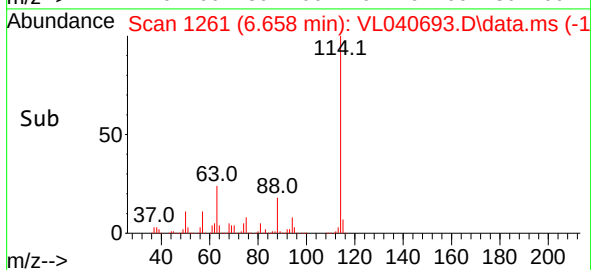
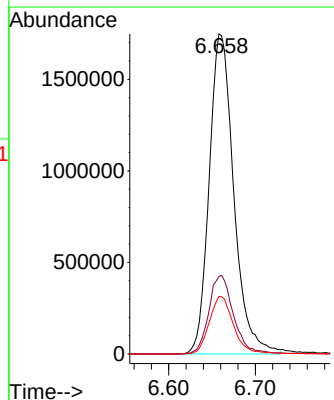
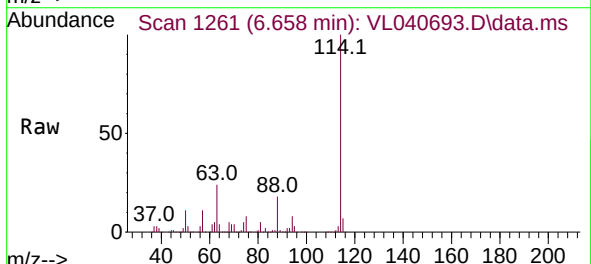
Instrument :
MSVOA_1
ClientSampleId :
VL0918ABL01

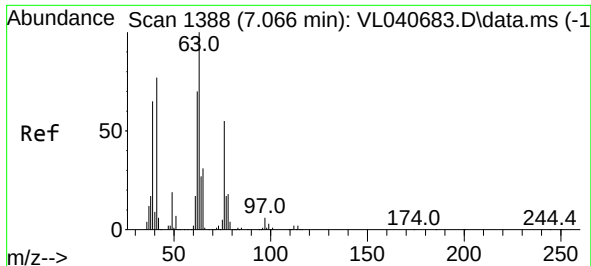
Tgt Ion: 84 Resp: 4720
Ion Ratio Lower Upper
84 100
56 0.0 103.2 154.8#
41 3.8 65.5 98.3#



#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 6.658 min Scan# 1261
Delta R.T. -0.003 min
Lab File: VL040693.D
Acq: 18 Sep 2023 10:26

Tgt Ion: 114 Resp: 3450520
Ion Ratio Lower Upper
114 100
63 24.9 21.1 31.7
88 17.9 14.5 21.7





#39

1,2-Dichloropropane

Concen: 8.603 ppbv

RT: 6.661 min Scan# 11

Delta R.T. -0.421 min

Lab File: VL040693.D

Acq: 18 Sep 2023 10:26

Instrument :

MSVOA_L

ClientSampleId :

VL0918ABL01

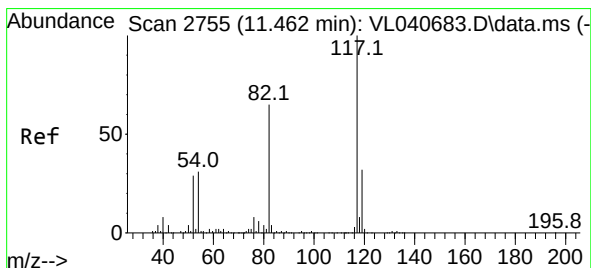
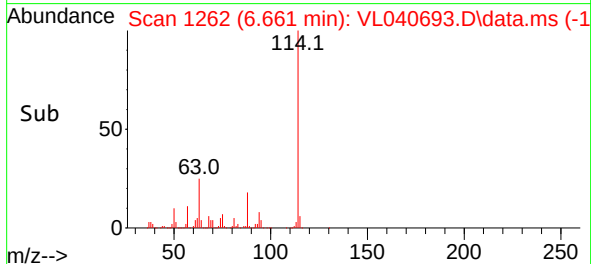
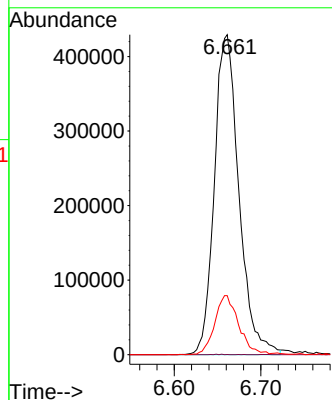
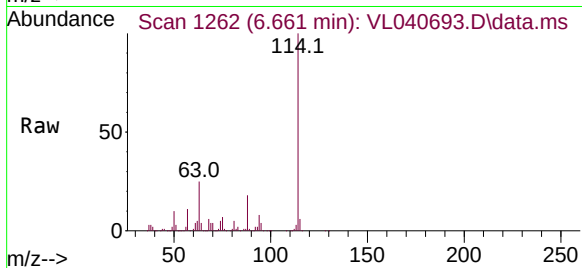
Tgt Ion: 63 Resp: 846124

Ion Ratio Lower Upper

63 100

41 0.1 61.6 92.4#

62 18.4 55.8 83.8#



#55

Chlorobenzene-d5

Concen: 10.000 ppbv

RT: 11.474 min Scan# 2759

Delta R.T. -0.003 min

Lab File: VL040693.D

Acq: 18 Sep 2023 10:26

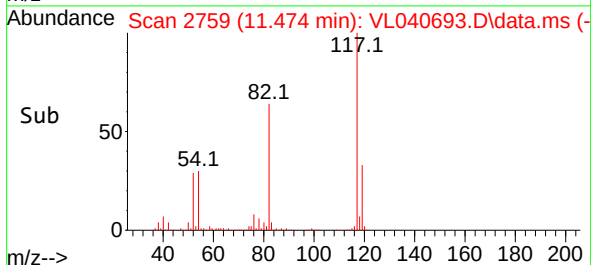
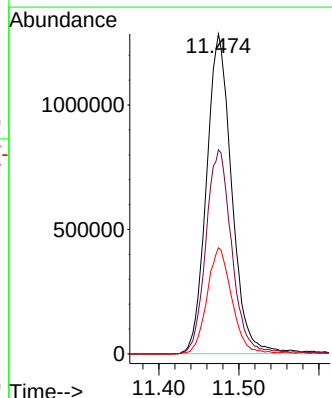
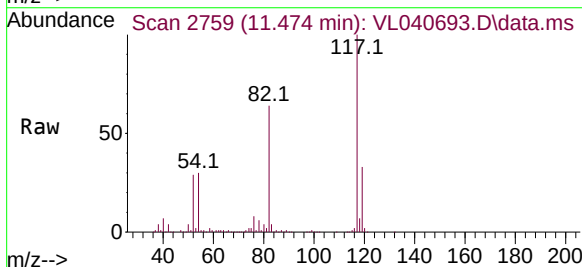
Tgt Ion: 117 Resp: 2804245

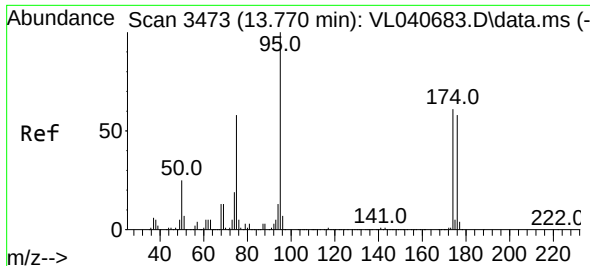
Ion Ratio Lower Upper

117 100

82 66.7 51.4 77.0

119 33.3 24.7 37.1

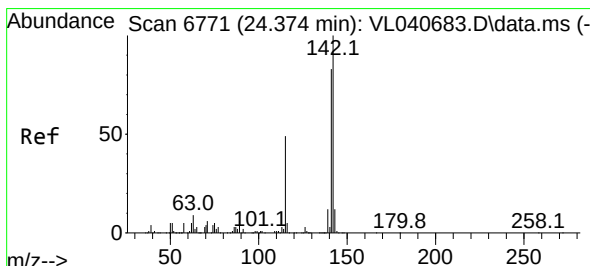
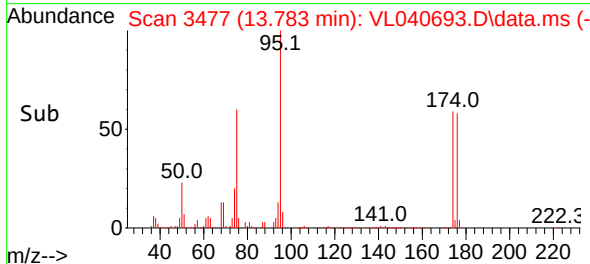
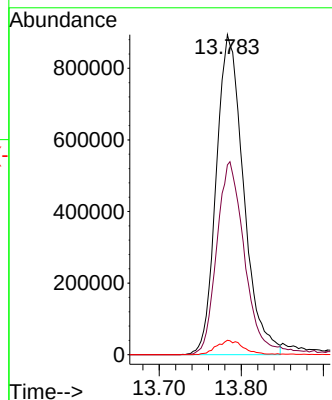
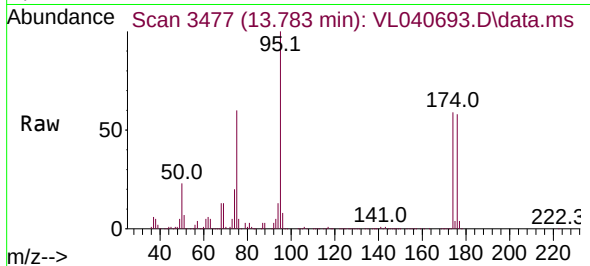




#68
1-Bromo-4-Fluorobenzene
Concen: 9.564 ppbv
RT: 13.783 min Scan# 3477
Delta R.T. -0.003 min
Lab File: VL040693.D
Acq: 18 Sep 2023 10:26

Instrument :
MSVOA_L
ClientSampleId :
VL0918ABL01

Tgt Ion: 95 Resp: 2072160
Ion Ratio Lower Upper
95 100
174 63.6 48.9 73.3
175 4.6 3.5 5.3



#80
Naphthalene,2-methyl-
Concen: 0.039 ppbv
RT: 24.387 min Scan# 6775
Delta R.T. 0.006 min
Lab File: VL040693.D
Acq: 18 Sep 2023 10:26

Tgt Ion:142 Resp: 2073
Ion Ratio Lower Upper
142 100
141 152.6 67.0 100.6#
115 62.7 37.4 56.2#

