

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL020924\
 Data File : VL041057.D
 Acq On : 9 Feb 2024 14:25
 Operator : SY/MD
 Sample : P1420-02DL 10X
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 IA3DL

Quant Time: Feb 12 00:46:54 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL012324AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Aug 26 06:05:16 2022
 QLast Update : Mon Feb 12 00:40:04 2024
 Response via : Initial Calibration

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

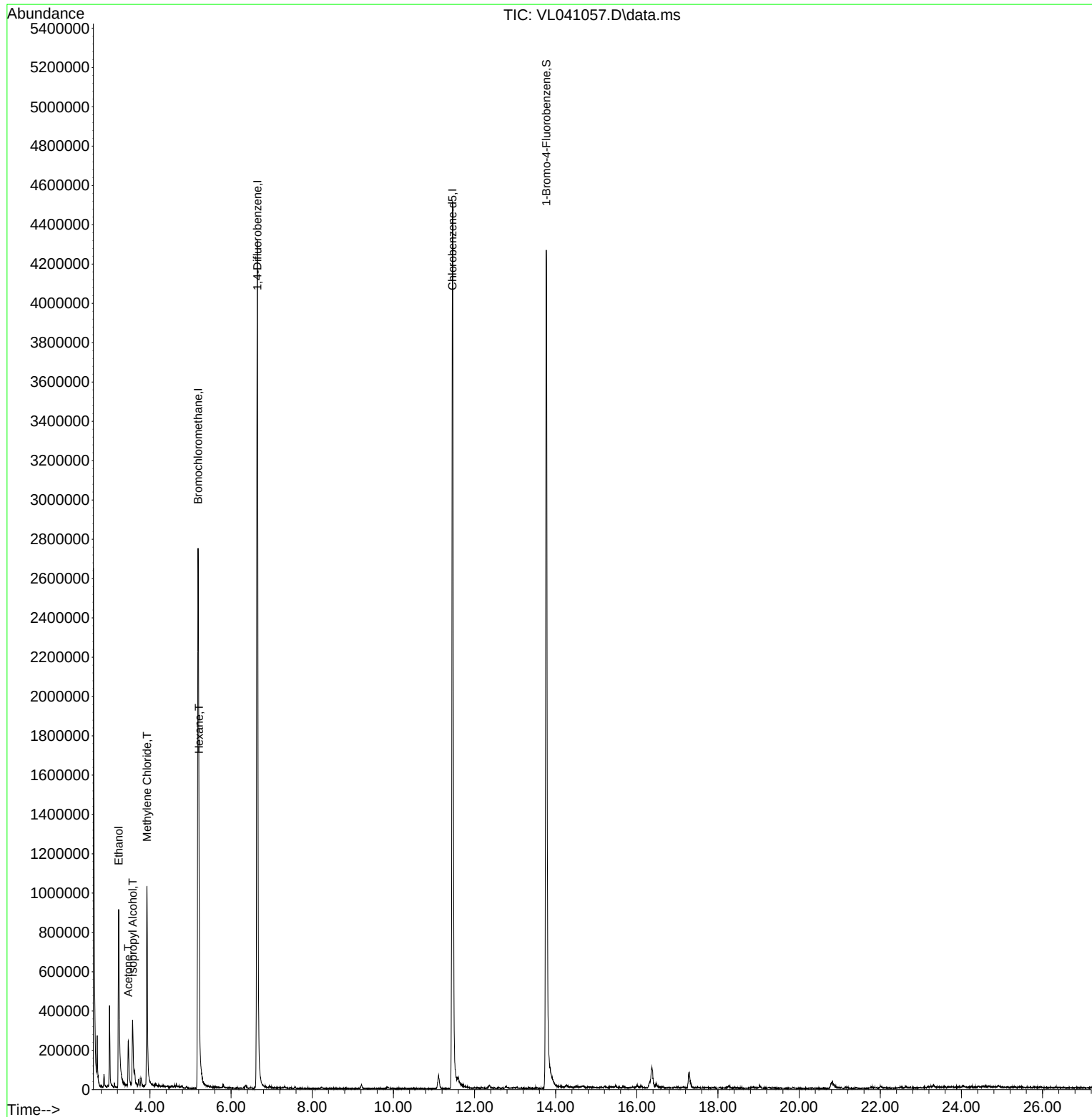
Internal Standards						
1) Bromochloromethane	5.185	49	1271458	10.000	ppbv	0.00
33) 1,4-Difluorobenzene	6.645	114	3460679	10.000	ppbv	0.00
55) Chlorobenzene-d5	11.458	117	3104568	10.000	ppbv	0.00
System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	13.767	95	2302669	9.820	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	98.200%
Target Compounds						
					Qvalue	
13) Ethanol	3.230	45	1015207	60.727	ppbv	94
15) Acetone	3.465	43	232934	1.433	ppbv	100
19) Isopropyl Alcohol	3.574	45	381769	4.056	ppbv	99
20) Methylene Chloride	3.928	84	355765	5.686	ppbv	93
26) Hexane	5.208	57	352242	2.803	ppbv #	39

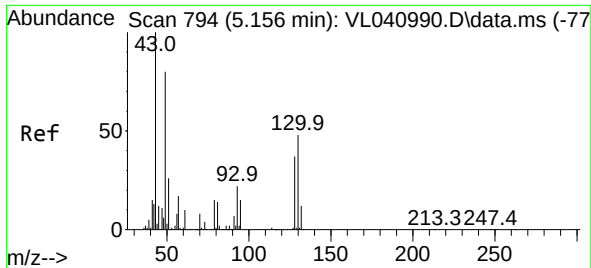
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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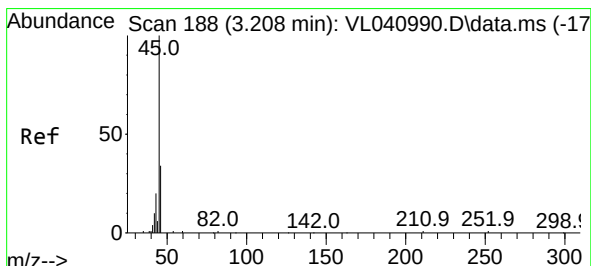
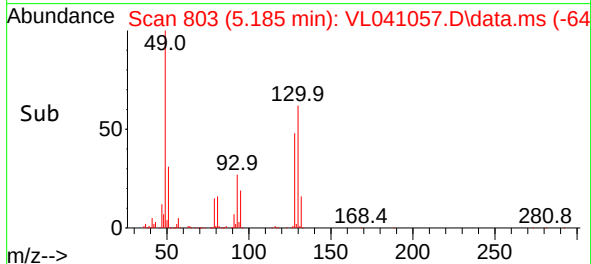
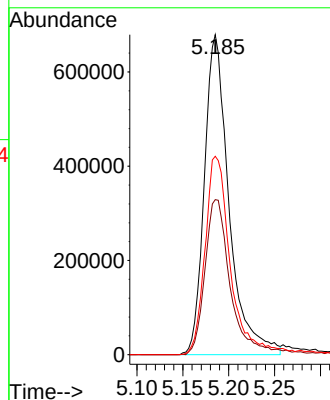
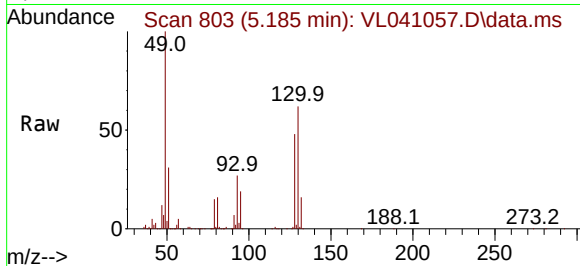




#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 5.185 min Scan# 80
Delta R.T. 0.009 min
Lab File: VL041057.D
Acq: 9 Feb 2024 14:25

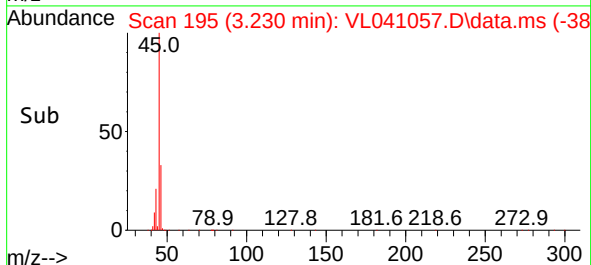
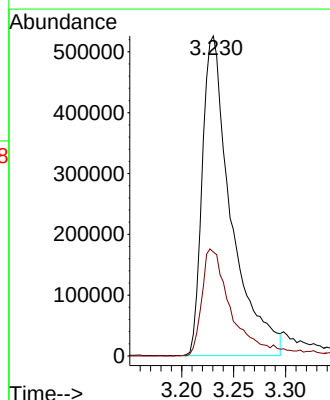
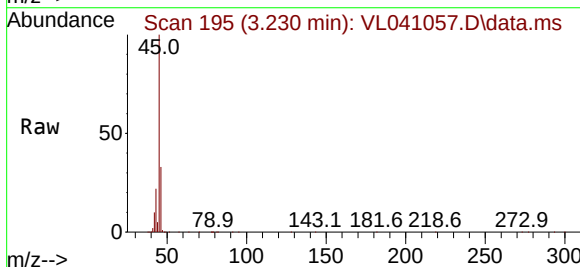
Instrument :
MSVOA_L
ClientSampleId :
IA3DL

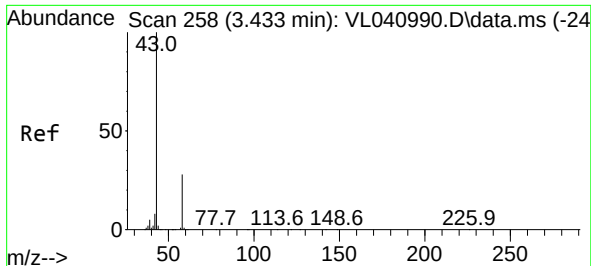
Tgt Ion: 49 Resp: 1271458
Ion Ratio Lower Upper
49 100
128 50.8 23.9 71.7
130 65.7 31.1 93.5



#13
Ethanol
Concen: 60.727 ppbv
RT: 3.230 min Scan# 195
Delta R.T. 0.006 min
Lab File: VL041057.D
Acq: 9 Feb 2024 14:25

Tgt Ion: 45 Resp: 1015207
Ion Ratio Lower Upper
45 100
46 37.1 16.2 64.8

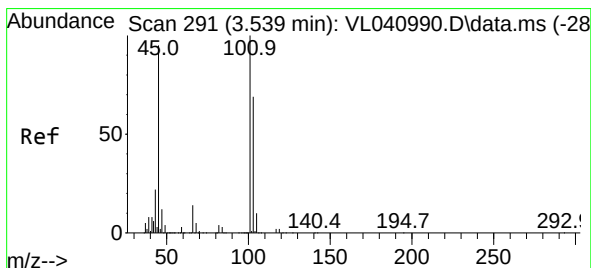
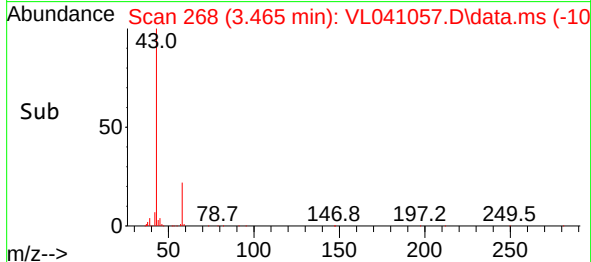
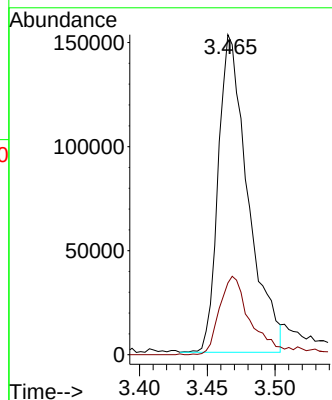
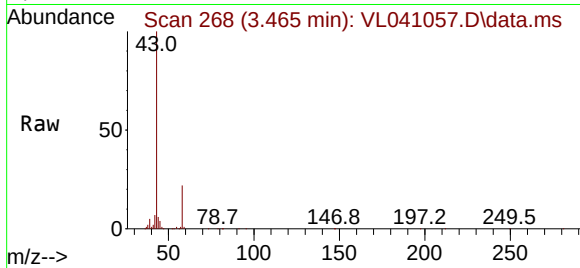




#15
Acetone
Concen: 1.433 ppbv
RT: 3.465 min Scan# 20
Delta R.T. 0.013 min
Lab File: VL041057.D
Acq: 9 Feb 2024 14:25

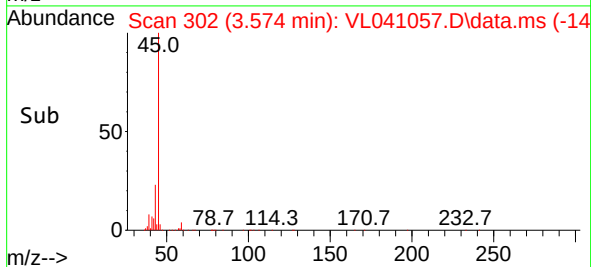
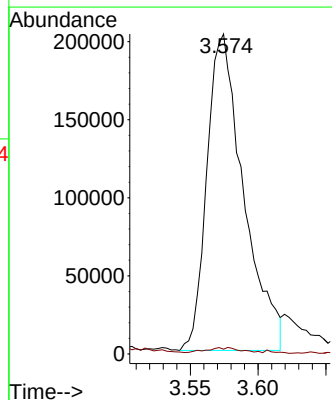
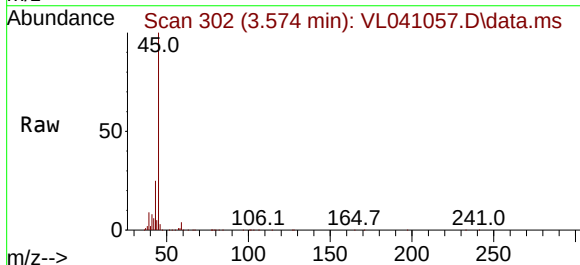
Instrument :
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IA3DL

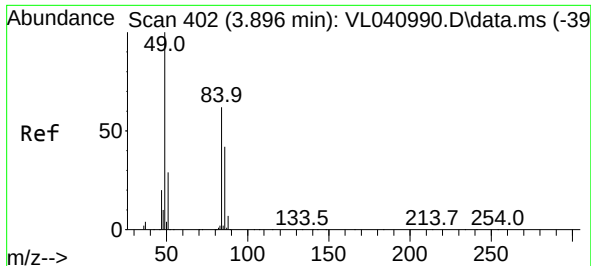
Tgt Ion: 43 Resp: 232934
Ion Ratio Lower Upper
43 100
58 27.6 22.2 33.2



#19
Isopropyl Alcohol
Concen: 4.056 ppbv
RT: 3.574 min Scan# 302
Delta R.T. 0.013 min
Lab File: VL041057.D
Acq: 9 Feb 2024 14:25

Tgt Ion: 45 Resp: 381769
Ion Ratio Lower Upper
45 100
58 3.0 2.2 3.4

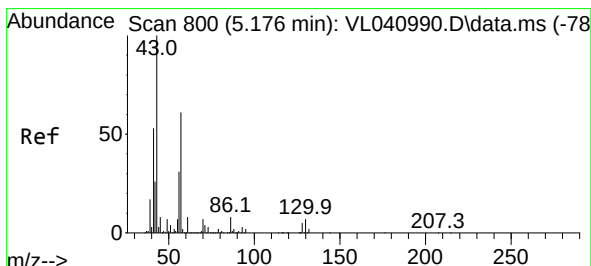
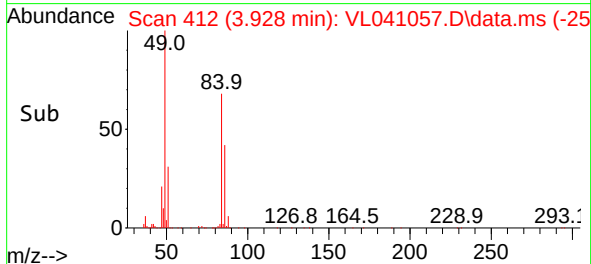
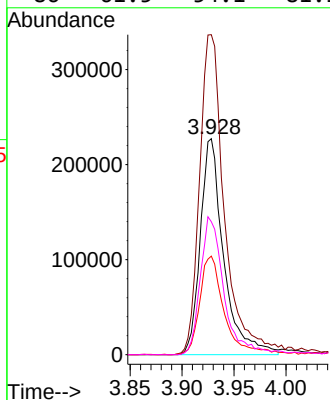
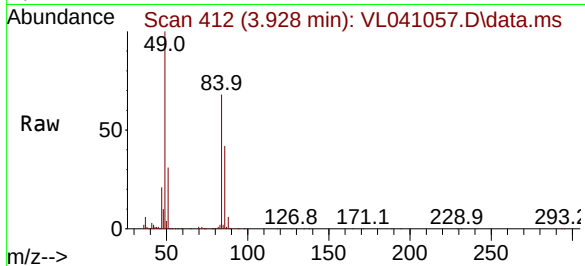




#20
Methylene Chloride
Concen: 5.686 ppbv
RT: 3.928 min Scan# 41
Delta R.T. 0.010 min
Lab File: VL041057.D
Acq: 9 Feb 2024 14:25

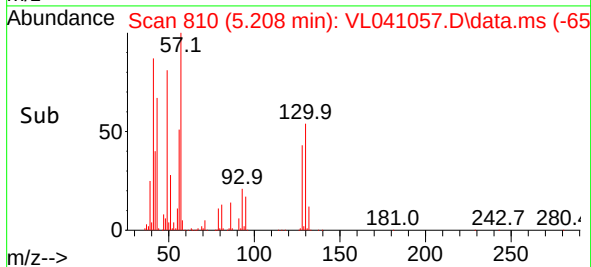
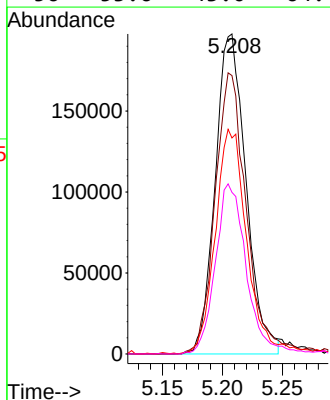
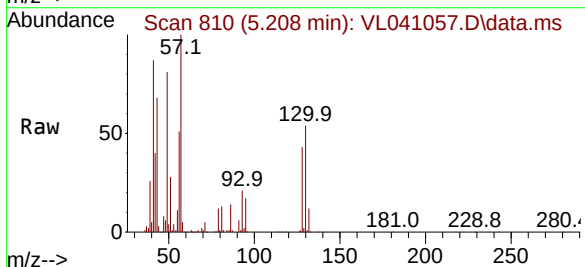
Instrument :
MSVOA_L
ClientSampleId :
IA3DL

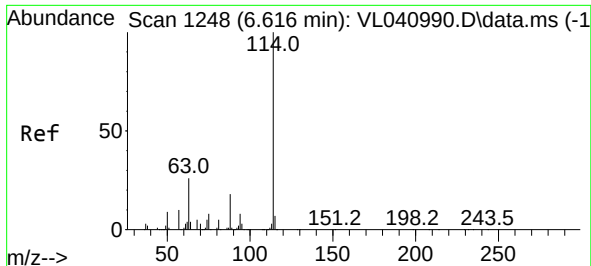
Tgt Ion: 84 Resp: 355765
Ion Ratio Lower Upper
84 100
49 147.7 128.1 192.1
51 45.4 36.5 54.7
86 61.5 54.1 81.1



#26
Hexane
Concen: 2.803 ppbv
RT: 5.208 min Scan# 810
Delta R.T. 0.010 min
Lab File: VL041057.D
Acq: 9 Feb 2024 14:25

Tgt Ion: 57 Resp: 352242
Ion Ratio Lower Upper
57 100
41 91.0 74.4 111.6
43 73.5 190.6 285.8#
56 53.6 43.0 64.4





#33

1,4-Difluorobenzene

Concen: 10.000 ppbv

RT: 6.645 min Scan# 11

Delta R.T. 0.003 min

Lab File: VL041057.D

Acq: 9 Feb 2024 14:25

Instrument :

MSVOA_L

ClientSampleId :

IA3DL

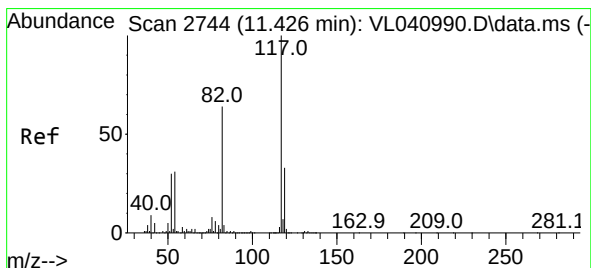
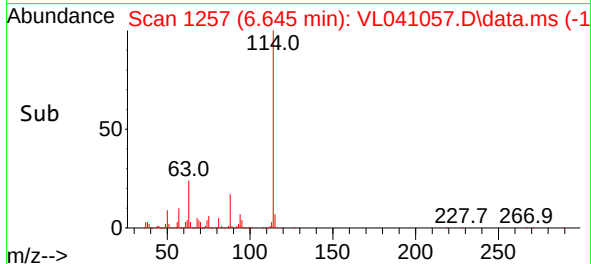
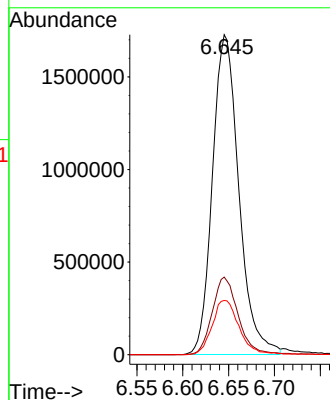
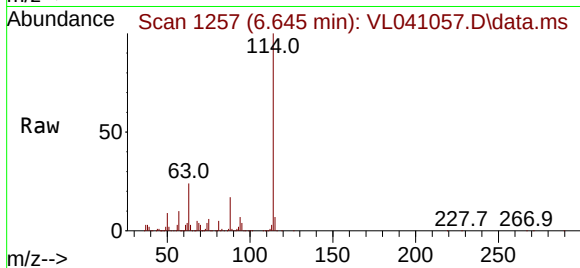
Tgt Ion:114 Resp: 3460679

Ion Ratio Lower Upper

114 100

63 24.2 20.8 31.2

88 17.5 14.3 21.5



#55

Chlorobenzene-d5

Concen: 10.000 ppbv

RT: 11.458 min Scan# 2754

Delta R.T. 0.006 min

Lab File: VL041057.D

Acq: 9 Feb 2024 14:25

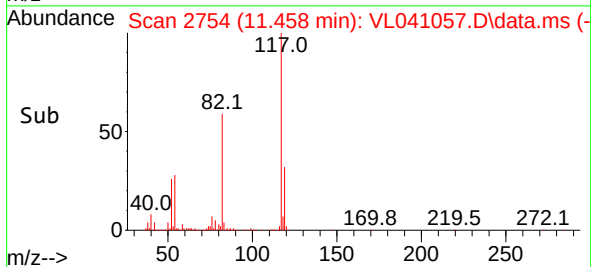
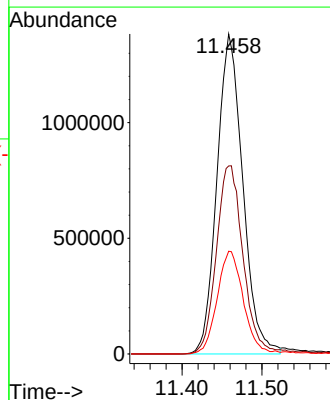
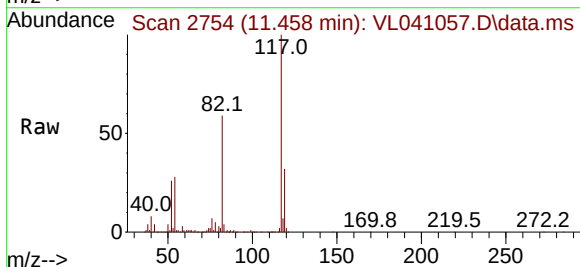
Tgt Ion:117 Resp: 3104568

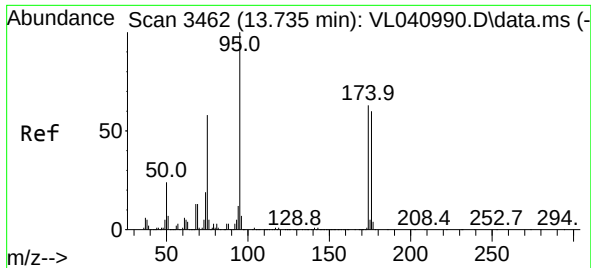
Ion Ratio Lower Upper

117 100

82 62.0 51.7 77.5

119 33.1 23.8 35.6





#68
 1-Bromo-4-Fluorobenzene
 Concen: 9.820 ppbv
 RT: 13.767 min Scan# 34
 Delta R.T. 0.006 min
 Lab File: VL041057.D
 Acq: 9 Feb 2024 14:25

Instrument :
 MSVOA_L
 ClientSampleId :
 IA3DL

Tgt Ion: 95 Resp: 2302669
 Ion Ratio Lower Upper
 95 100
 174 65.7 49.1 73.7
 175 4.9 3.7 5.5

