

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL020924\
 Data File : VL041050.D
 Acq On : 9 Feb 2024 9:49
 Operator : SY/MD
 Sample : VL0209ABL01
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VL0209ABL01

Quant Time: Feb 12 00:43:05 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)

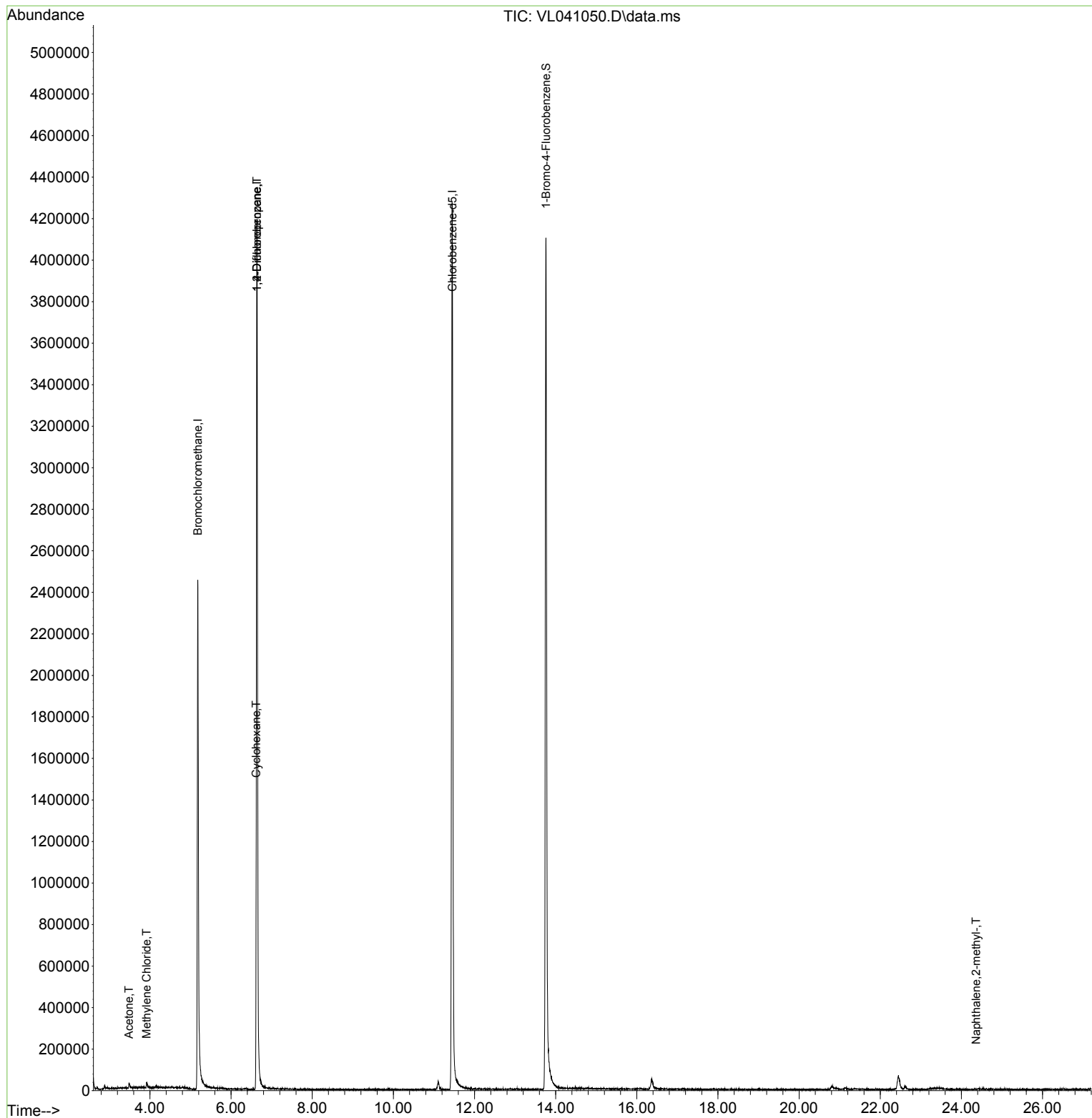
Internal Standards						
1) Bromochloromethane	5.179	49	1214598	10.000	ppbv	0.00
33) 1,4-Difluorobenzene	6.635	114	3151889	10.000	ppbv	0.00
55) Chlorobenzene-d5	11.452	117	2784161	10.000	ppbv	0.00
System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	13.764	95	2155635	10.251	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	102.500%
Target Compounds						
					Qvalue	
15) Acetone	3.484	43	23149	0.149	ppbv #	75
20) Methylene Chloride	3.922	84	4951	0.083	ppbv #	52
30) Cyclohexane	6.619	84	2281	0.023	ppbv #	1
39) 1,2-Dichloropropane	6.639	63	791511	7.719	ppbv #	24
80) Naphthalene,2-methyl-	24.361	142	1018	0.029	ppbv	85

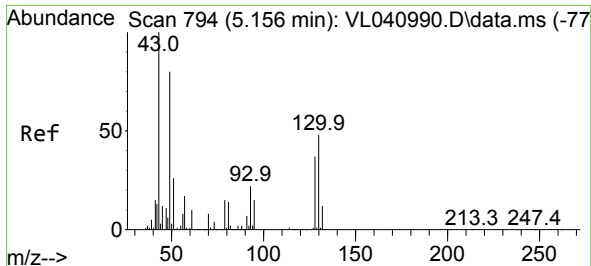
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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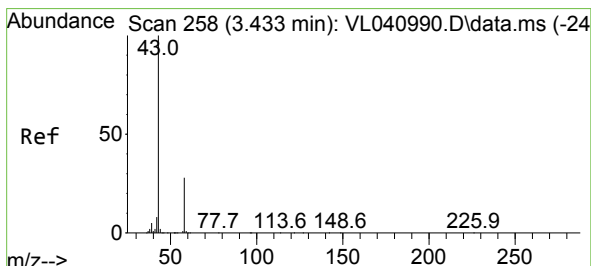
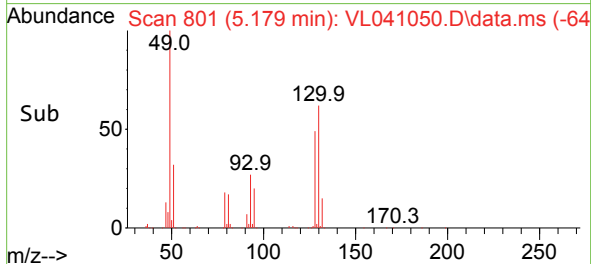
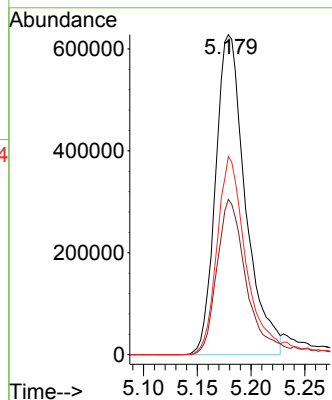
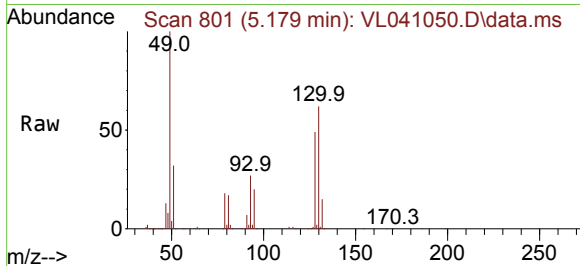




#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 5.179 min Scan# 80
Delta R.T. 0.003 min
Lab File: VL041050.D
Acq: 9 Feb 2024 9:49

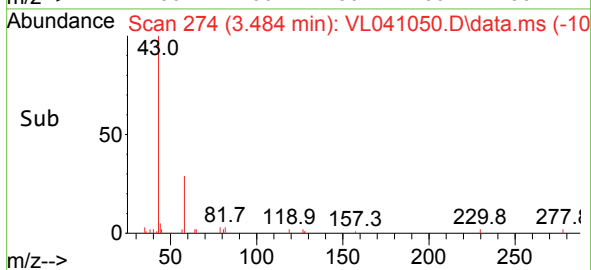
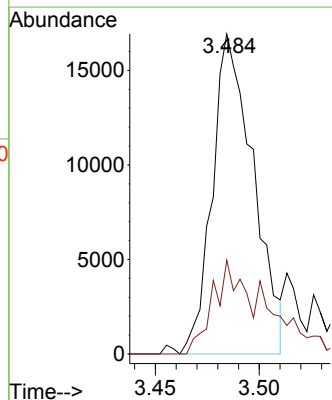
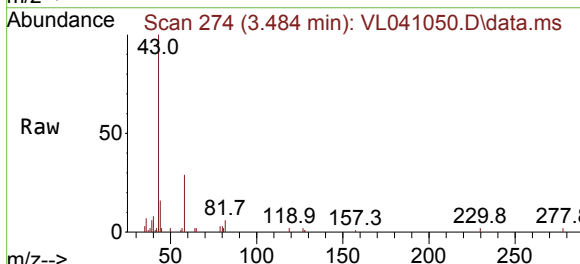
Instrument :
MSVOA_L
ClientSampleId :
VL0209ABL01

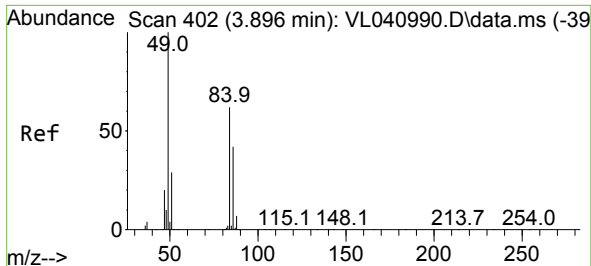
Tgt Ion: 49 Resp: 1214598
Ion Ratio Lower Upper
49 100
128 49.9 23.9 71.7
130 63.9 31.1 93.5



#15
Acetone
Concen: 0.149 ppbv
RT: 3.484 min Scan# 274
Delta R.T. 0.032 min
Lab File: VL041050.D
Acq: 9 Feb 2024 9:49

Tgt Ion: 43 Resp: 23149
Ion Ratio Lower Upper
43 100
58 40.8 22.2 33.2#

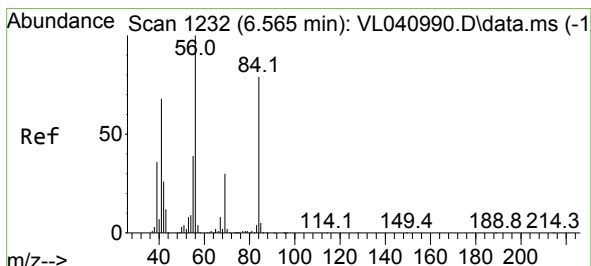
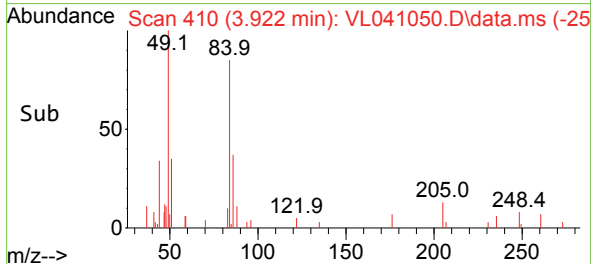
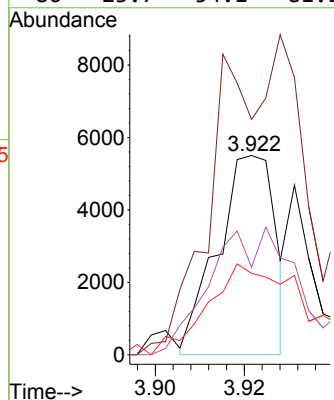
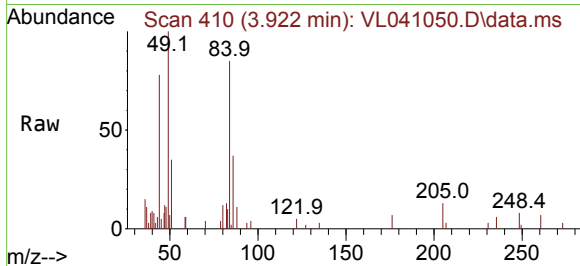




#20
Methylene Chloride
Concen: 0.083 ppbv
RT: 3.922 min Scan# 41
Delta R.T. 0.003 min
Lab File: VL041050.D
Acq: 9 Feb 2024 9:49

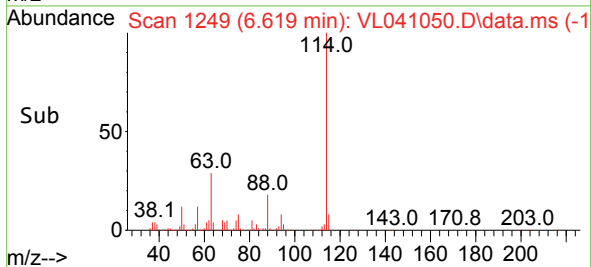
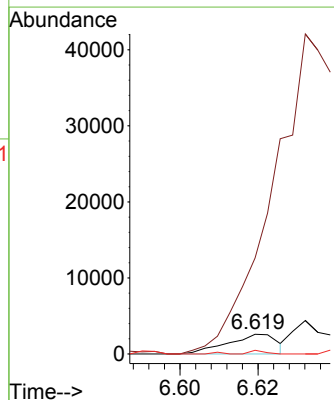
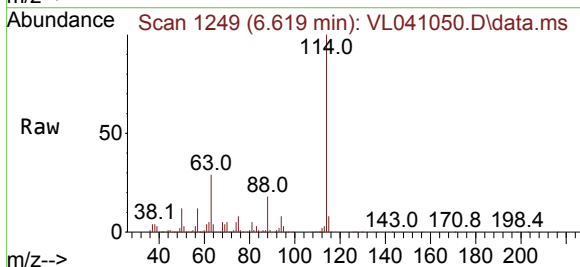
Instrument :
MSVOA_L
ClientSampleId :
VL0209ABL01

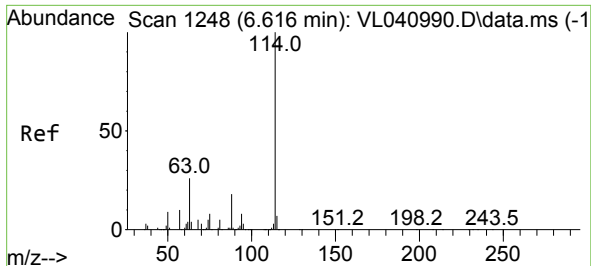
Tgt Ion:	84	Resp:	4951
Ion	Ratio	Lower	Upper
84	100		
49	88.1	128.1	192.1#
51	34.8	36.5	54.7#
86	23.7	54.1	81.1#



#30
Cyclohexane
Concen: 0.023 ppbv
RT: 6.619 min Scan# 1249
Delta R.T. 0.032 min
Lab File: VL041050.D
Acq: 9 Feb 2024 9:49

Tgt Ion:	84	Resp:	2281
Ion	Ratio	Lower	Upper
84	100		
56	0.0	111.7	167.5#
41	8.2	71.0	106.6#





#33

1,4-Difluorobenzene

Concen: 10.000 ppbv

RT: 6.635 min Scan# 11

Delta R.T. -0.007 min

Lab File: VL041050.D

Acq: 9 Feb 2024 9:49

Instrument :

MSVOA_L

ClientSampleId :

VL0209ABL01

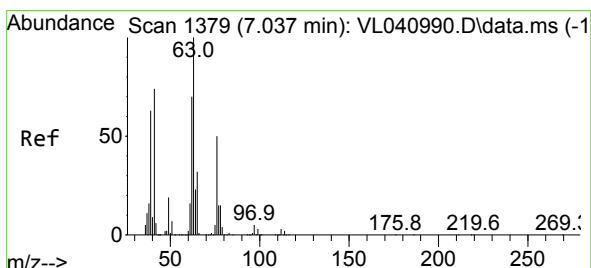
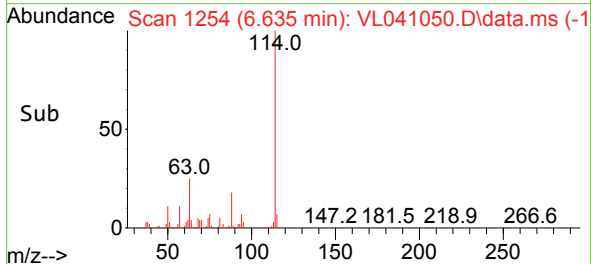
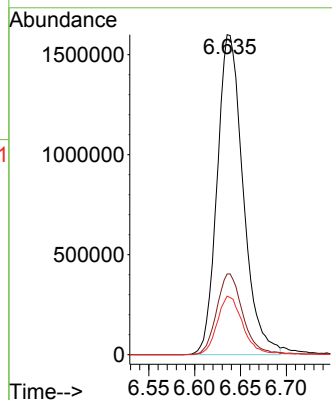
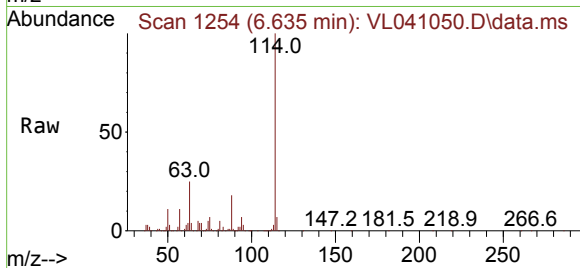
Tgt Ion:114 Resp: 3151889

Ion Ratio Lower Upper

114 100

63 26.0 20.8 31.2

88 18.3 14.3 21.5



#39

1,2-Dichloropropane

Concen: 7.719 ppbv

RT: 6.639 min Scan# 1255

Delta R.T. -0.418 min

Lab File: VL041050.D

Acq: 9 Feb 2024 9:49

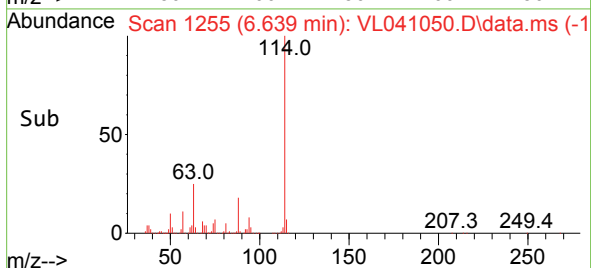
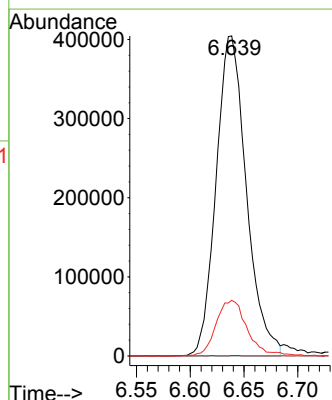
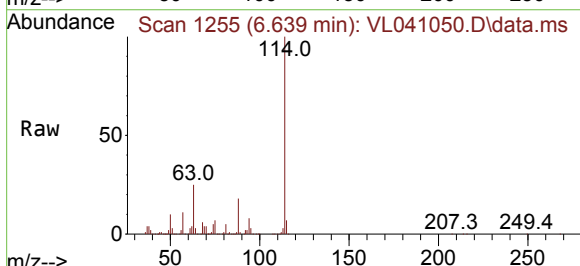
Tgt Ion: 63 Resp: 791511

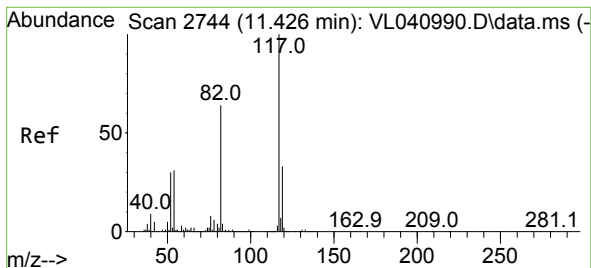
Ion Ratio Lower Upper

63 100

41 0.1 59.6 89.4#

62 17.4 55.6 83.4#

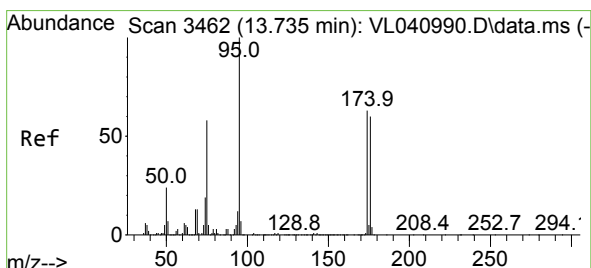
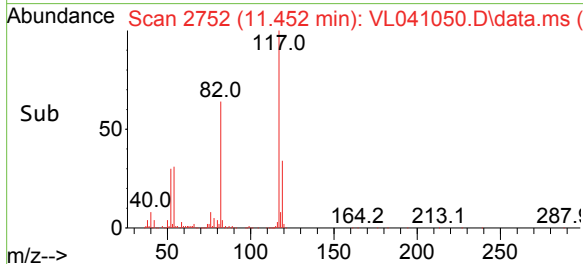
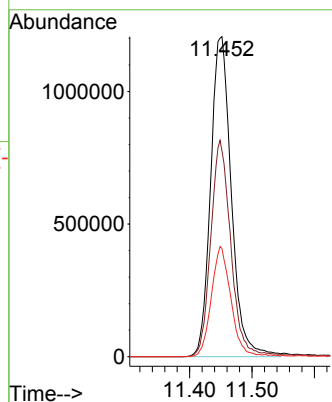
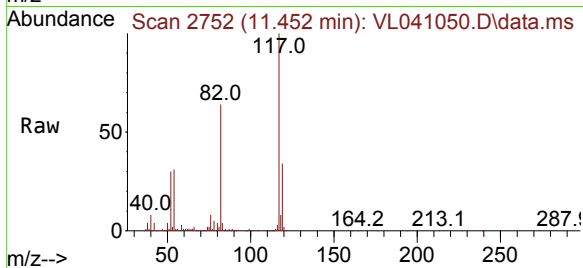




#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 11.452 min Scan# 21
Delta R.T. -0.000 min
Lab File: VL041050.D
Acq: 9 Feb 2024 9:49

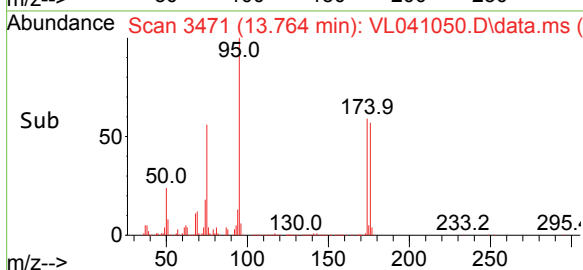
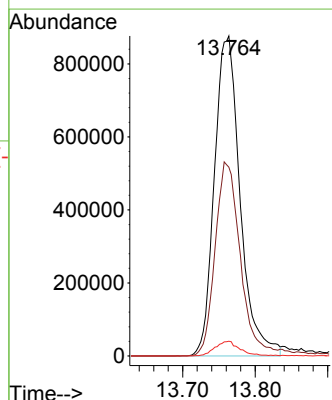
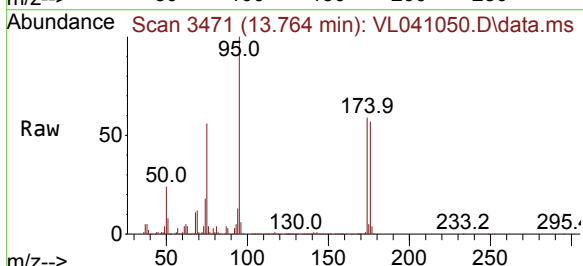
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ClientSampleId :
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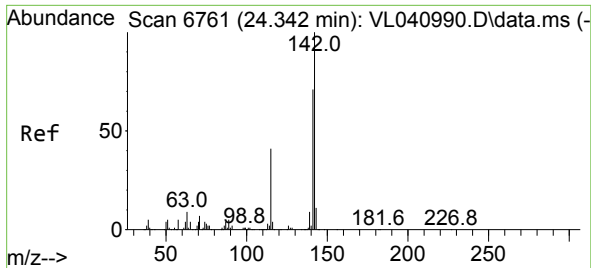
Tgt Ion:117 Resp: 2784161
Ion Ratio Lower Upper
117 100
82 66.3 51.7 77.5
119 32.8 23.8 35.6



#68
1-Bromo-4-Fluorobenzene
Concen: 10.251 ppbv
RT: 13.764 min Scan# 3471
Delta R.T. 0.003 min
Lab File: VL041050.D
Acq: 9 Feb 2024 9:49

Tgt Ion: 95 Resp: 2155635
Ion Ratio Lower Upper
95 100
174 61.7 49.1 73.7
175 4.6 3.7 5.5





#80

Naphthalene, 2-methyl-

Concen: 0.029 ppbv

RT: 24.361 min Scan# 61

Delta R.T. -0.003 min

Lab File: VL041050.D

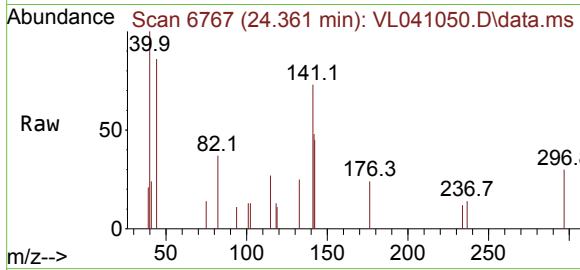
Acq: 9 Feb 2024 9:49

Instrument :

MSVOA_L

ClientSampleId :

VL0209ABL01



Tgt Ion:142 Resp: 1018

Ion Ratio Lower Upper

142 100

141 63.5 62.7 94.1

115 36.1 34.0 51.0

