

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX050925\
 Data File : VX046114.D
 Acq On : 09 May 2025 14:51
 Operator : JC/MD
 Sample : Q1993-04
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 MW-3-20250508-A

Quant Time: May 09 23:15:57 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X050525W.M
 Quant Title : SW846 8260
 QLast Update : Tue May 06 07:12:22 2025
 Response via : Initial Calibration

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

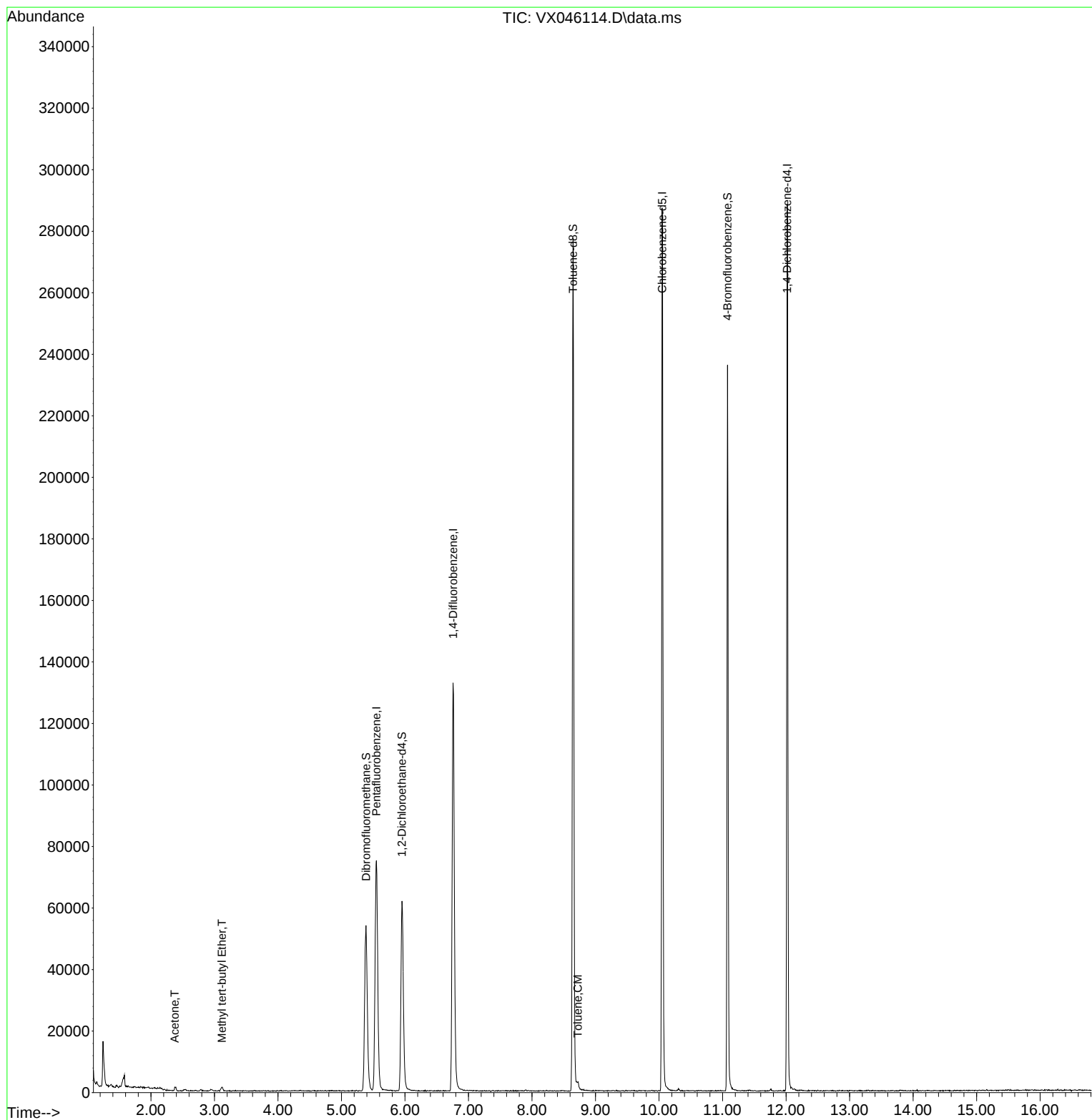
Internal Standards						
1) Pentafluorobenzene	5.550	168	64942	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.757	114	128100	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.049	117	119704	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.018	152	51999	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.952	65	63947	52.817	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	= 105.640%	
35) Dibromofluoromethane	5.385	113	46182	50.064	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	= 100.120%	
50) Toluene-d8	8.647	98	157417	49.305	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	= 98.600%	
62) 4-Bromofluorobenzene	11.079	95	62168	50.762	ug/l	0.00
Spiked Amount	50.000	Range	77 - 121	Recovery	= 101.520%	
Target Compounds						
						Qvalue
16) Acetone	2.373	43	1512	3.115	ug/l	99
19) Methyl tert-butyl Ether	3.117	73	1405	0.520	ug/l	96
52) Toluene	8.720	92	789	0.354	ug/l	93

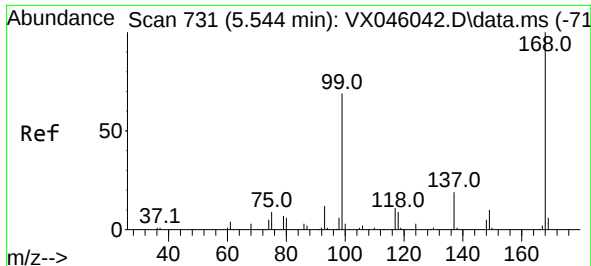
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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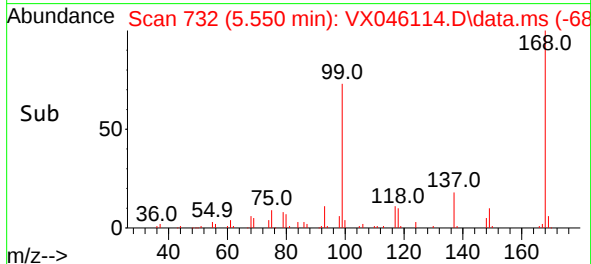
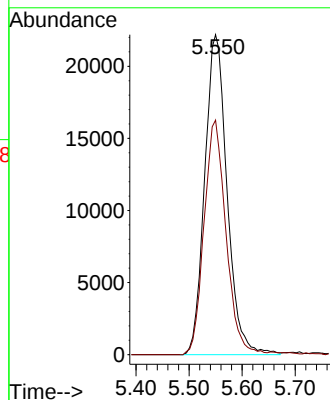
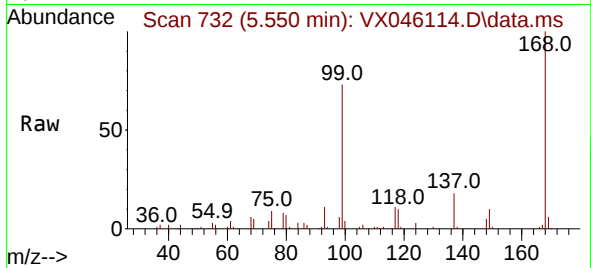




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.550 min Scan# 71
Delta R.T. 0.006 min
Lab File: VX046114.D
Acq: 09 May 2025 14:51

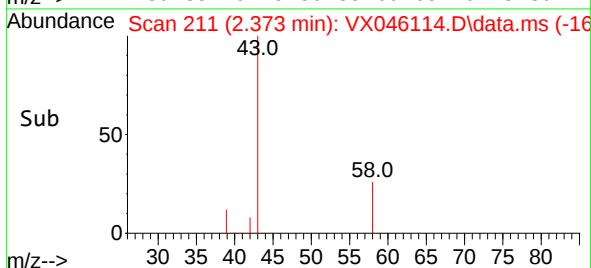
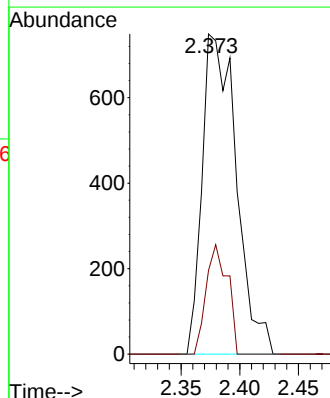
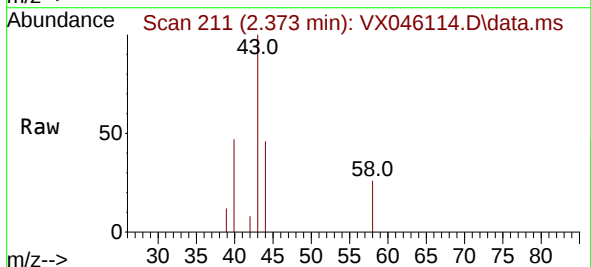
Instrument :
MSVOA_X
ClientSampleId :
MW-3-20250508-A

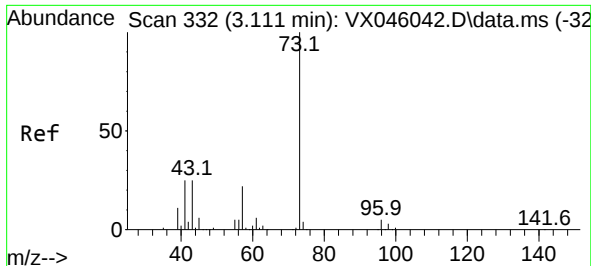
Tgt Ion:168 Resp: 64942
Ion Ratio Lower Upper
168 100
99 73.3 54.9 82.3



#16
Acetone
Concen: 3.115 ug/l
RT: 2.373 min Scan# 211
Delta R.T. -0.012 min
Lab File: VX046114.D
Acq: 09 May 2025 14:51

Tgt Ion: 43 Resp: 1512
Ion Ratio Lower Upper
43 100
58 26.2 21.2 31.8





#19

Methyl tert-butyl Ether

Concen: 0.520 ug/l

RT: 3.117 min Scan# 31

Delta R.T. 0.006 min

Lab File: VX046114.D

Acq: 09 May 2025 14:51

Instrument :

MSVOA_X

ClientSampleId :

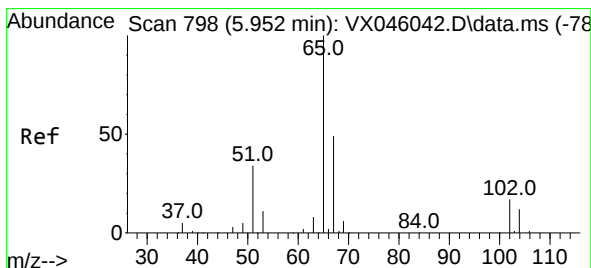
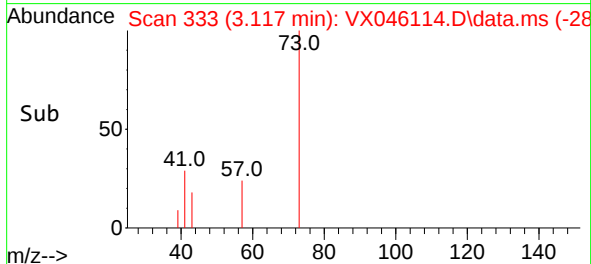
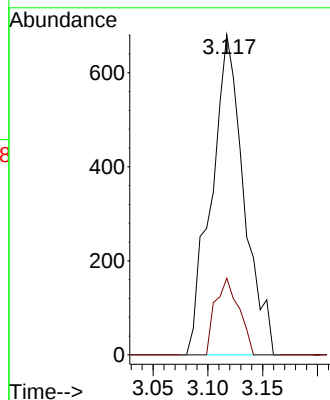
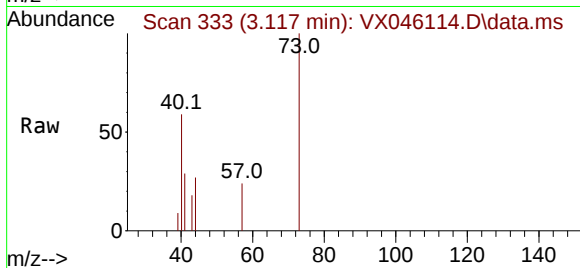
MW-3-20250508-A

Tgt Ion: 73 Resp: 1405

Ion Ratio Lower Upper

73 100

57 23.9 17.7 26.5



#33

1,2-Dichloroethane-d4

Concen: 52.817 ug/l

RT: 5.952 min Scan# 798

Delta R.T. -0.000 min

Lab File: VX046114.D

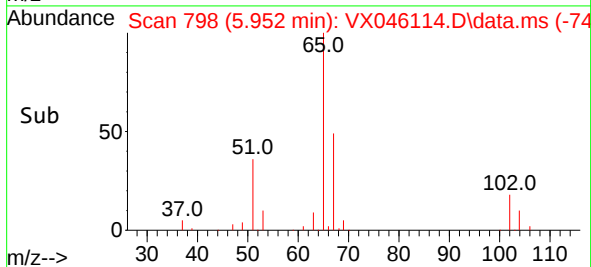
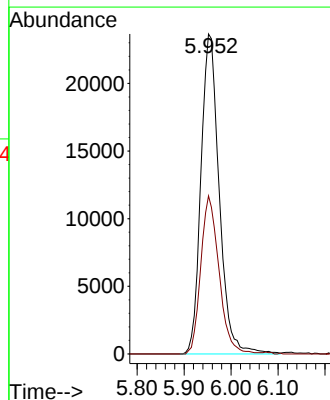
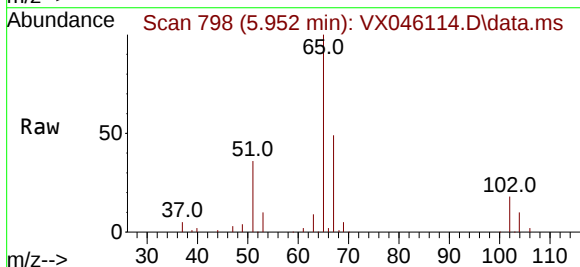
Acq: 09 May 2025 14:51

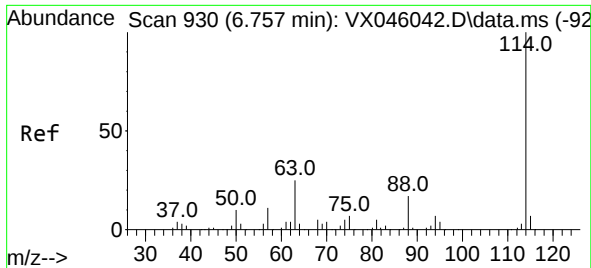
Tgt Ion: 65 Resp: 63947

Ion Ratio Lower Upper

65 100

67 49.2 0.0 99.0

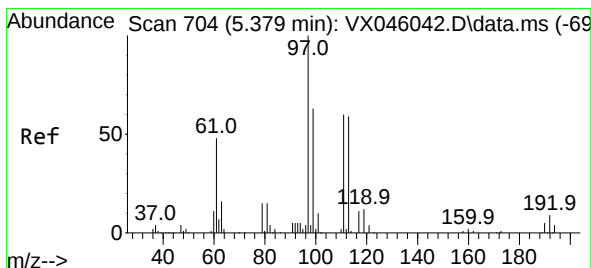
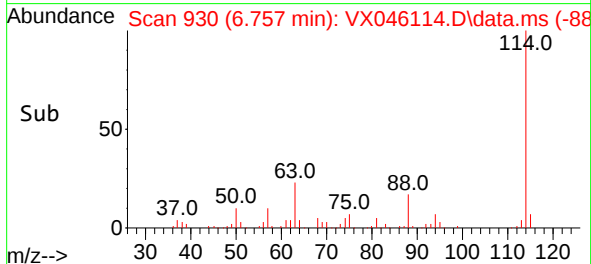
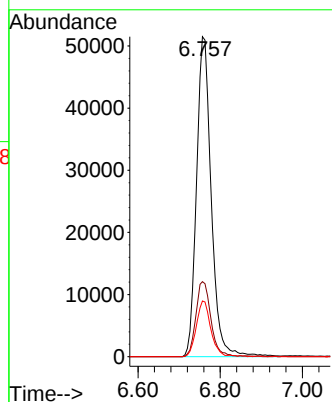
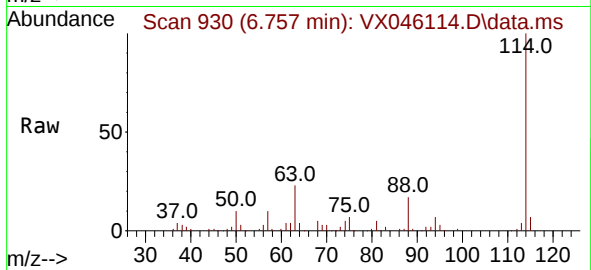




#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.757 min Scan# 91
 Delta R.T. -0.000 min
 Lab File: VX046114.D
 Acq: 09 May 2025 14:51

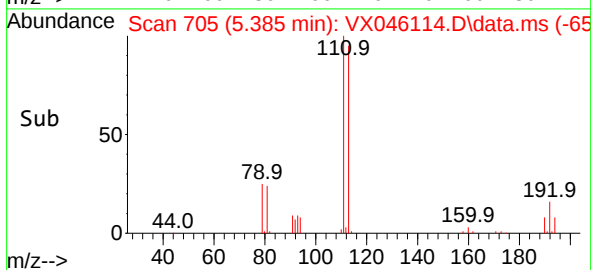
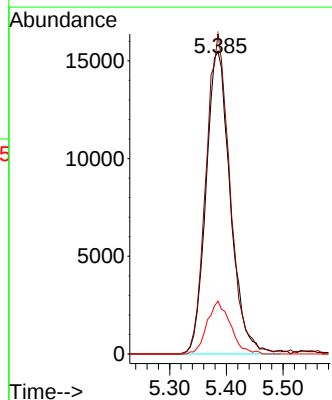
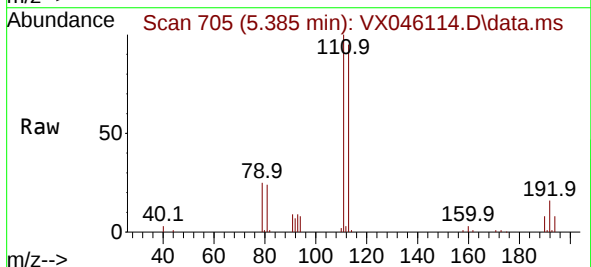
Instrument :
 MSVOA_X
 ClientSampleId :
 MW-3-20250508-A

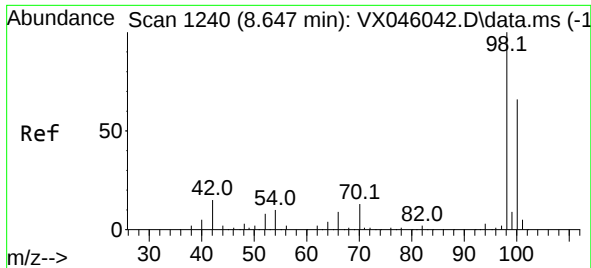
Tgt Ion:114 Resp: 128100
 Ion Ratio Lower Upper
 114 100
 63 23.5 0.0 49.2
 88 17.4 0.0 33.6



#35
 Dibromofluoromethane
 Concen: 50.064 ug/l
 RT: 5.385 min Scan# 705
 Delta R.T. 0.006 min
 Lab File: VX046114.D
 Acq: 09 May 2025 14:51

Tgt Ion:113 Resp: 46182
 Ion Ratio Lower Upper
 113 100
 111 104.2 83.1 124.7
 192 16.8 13.3 19.9

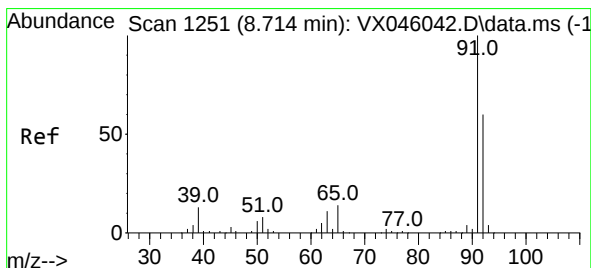
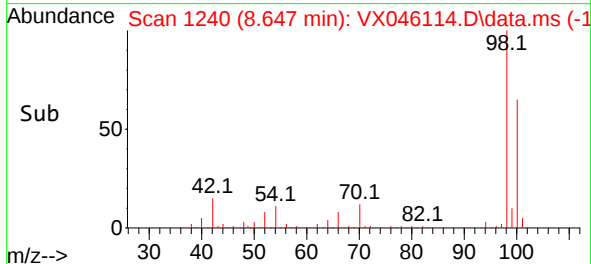
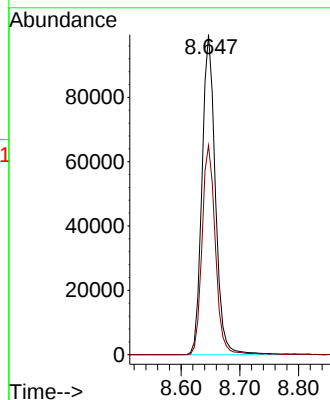
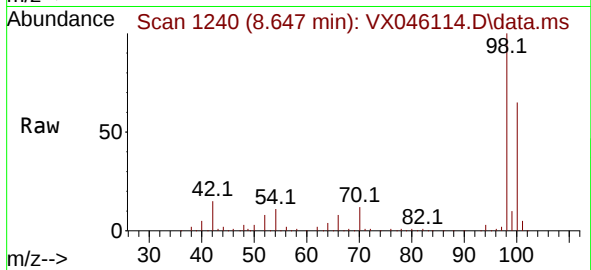




#50
Toluene-d8
Concen: 49.305 ug/l
RT: 8.647 min Scan# 11
Delta R.T. -0.000 min
Lab File: VX046114.D
Acq: 09 May 2025 14:51

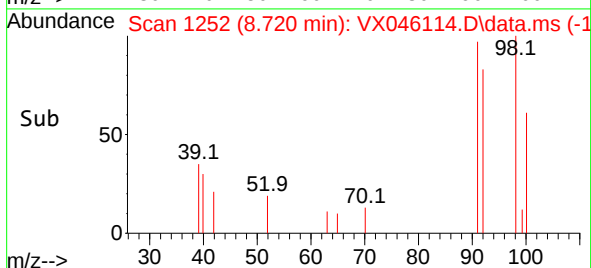
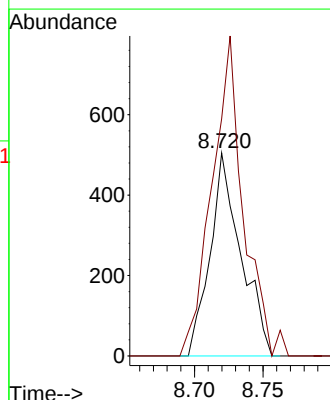
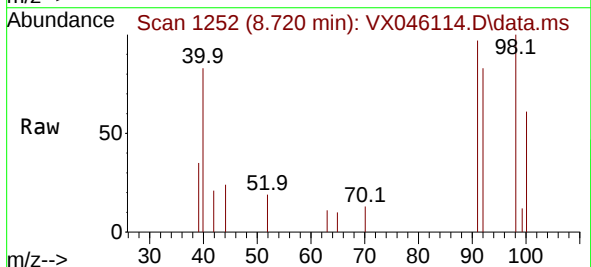
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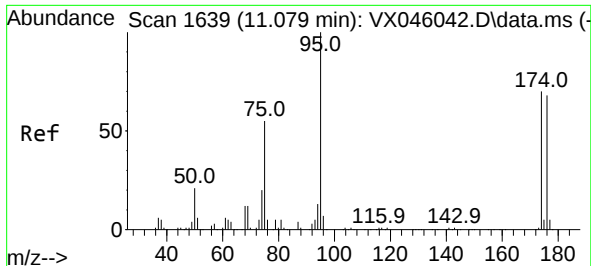
Tgt Ion: 98 Resp: 157417
Ion Ratio Lower Upper
98 100
100 65.3 53.5 80.3



#52
Toluene
Concen: 0.354 ug/l
RT: 8.720 min Scan# 1252
Delta R.T. 0.006 min
Lab File: VX046114.D
Acq: 09 May 2025 14:51

Tgt Ion: 92 Resp: 789
Ion Ratio Lower Upper
92 100
91 161.0 136.6 205.0

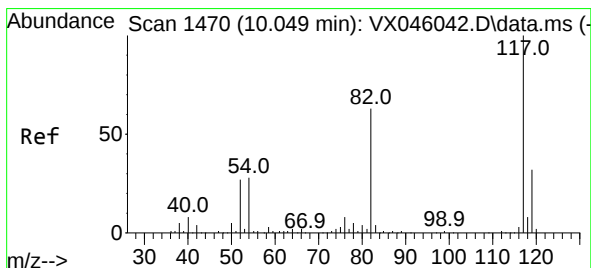
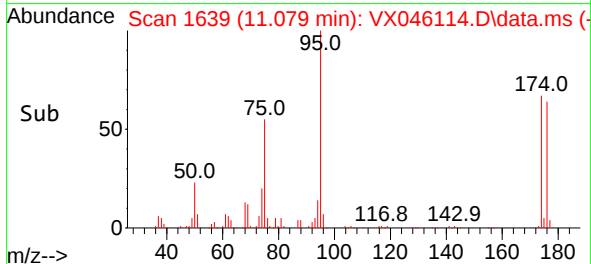
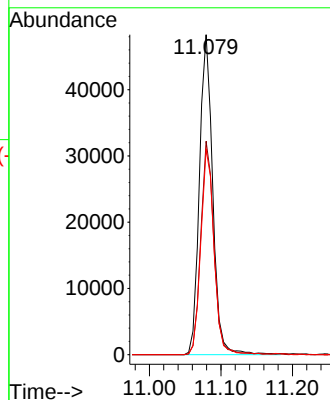
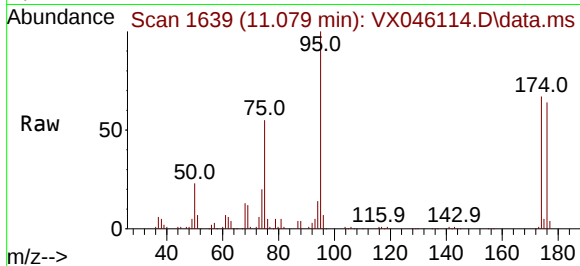




#62
4-Bromofluorobenzene
Concen: 50.762 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.000 min
Lab File: VX046114.D
Acq: 09 May 2025 14:51

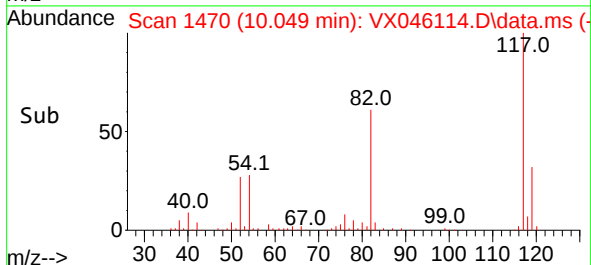
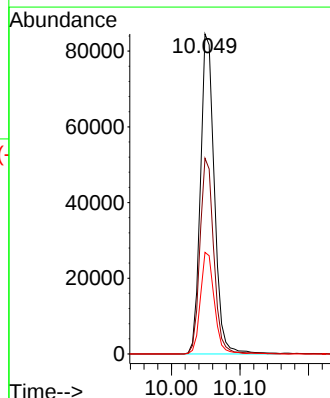
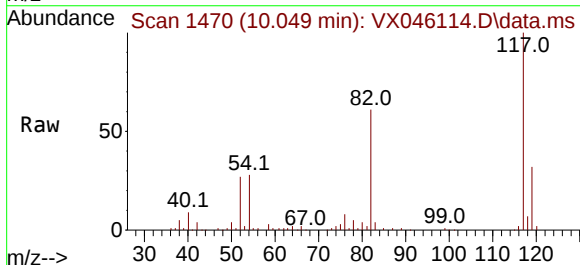
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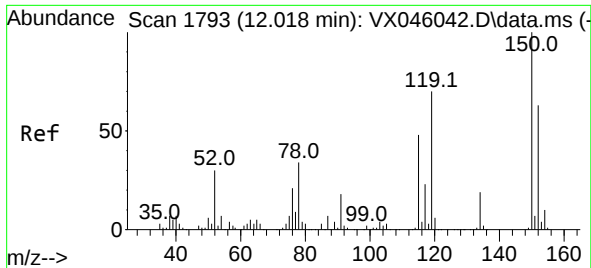
Tgt Ion: 95 Resp: 62168
Ion Ratio Lower Upper
95 100
174 66.5 0.0 135.8
176 64.2 0.0 131.4



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.049 min Scan# 1470
Delta R.T. -0.000 min
Lab File: VX046114.D
Acq: 09 May 2025 14:51

Tgt Ion: 117 Resp: 119704
Ion Ratio Lower Upper
117 100
82 61.1 50.6 76.0
119 31.7 25.8 38.6





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.018 min Scan# 11

Delta R.T. -0.000 min

Lab File: VX046114.D

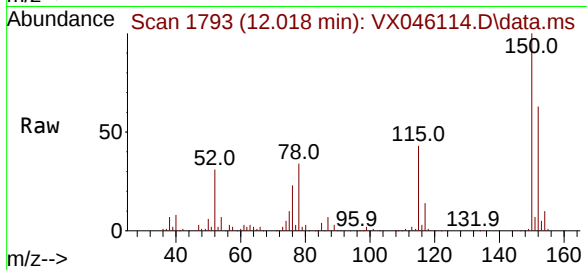
Acq: 09 May 2025 14:51

Instrument :

MSVOA_X

ClientSampleId :

MW-3-20250508-A



Tgt Ion:152 Resp: 51999

Ion Ratio Lower Upper

152 100

115 65.6 46.9 140.7

150 156.4 0.0 351.0

