

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN061125\
 Data File : VN086951.D
 Acq On : 11 Jun 2025 16:12
 Operator : JC\MD
 Sample : Q2202-05
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 MW-1A-20250603

Quant Time: Jun 12 01:34:59 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N060625W.M
 Quant Title : SW846 8260
 QLast Update : Sat Jun 07 02:12:50 2025
 Response via : Initial Calibration

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

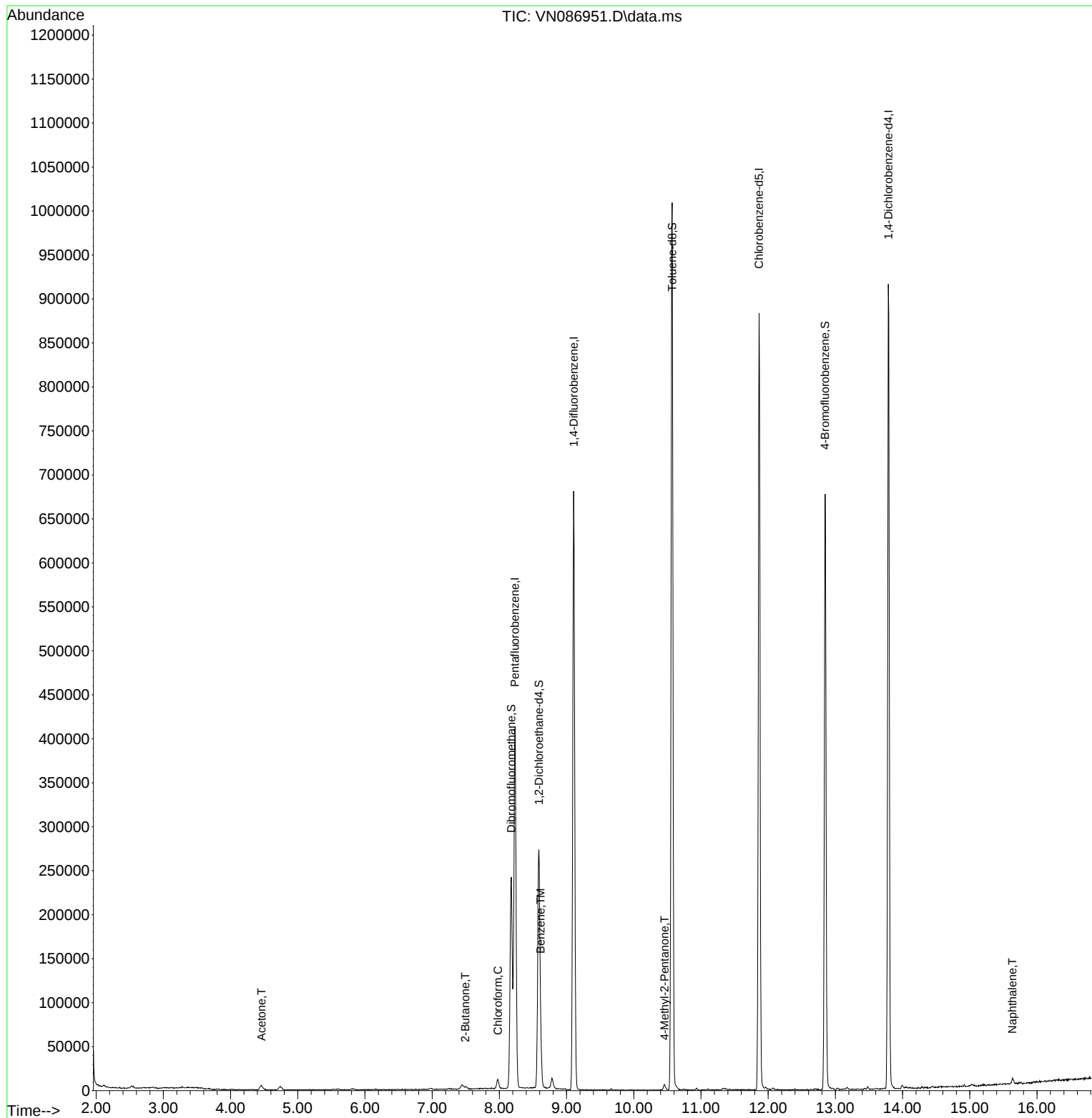
Internal Standards						
1) Pentafluorobenzene	8.230	168	321797	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.106	114	621476	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	553688	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.788	152	263952	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.588	65	218323	50.673	ug/l	0.00
Spiked Amount	50.000	Range 74 - 125	Recovery	= 101.340%		
35) Dibromofluoromethane	8.177	113	184149	50.000	ug/l	0.00
Spiked Amount	50.000	Range 75 - 124	Recovery	= 100.000%		
50) Toluene-d8	10.571	98	757581	51.960	ug/l	0.00
Spiked Amount	50.000	Range 86 - 113	Recovery	= 103.920%		
62) 4-Bromofluorobenzene	12.847	95	269513	49.754	ug/l	0.00
Spiked Amount	50.000	Range 77 - 121	Recovery	= 99.500%		
Target Compounds						
						Qvalue
16) Acetone	4.459	43	9954	4.357	ug/l	# 88
25) 2-Butanone	7.494	43	4627	1.246	ug/l	92
30) Chloroform	7.977	83	10460	1.454	ug/l	100
40) Benzene	8.612	78	39761	2.216	ug/l	100
51) 4-Methyl-2-Pentanone	10.459	43	5703	0.845	ug/l	99
95) Naphthalene	15.635	128	6799	0.343	ug/l	97

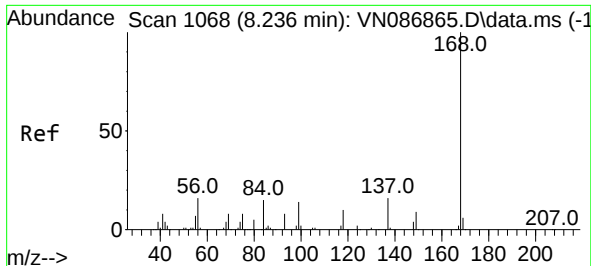
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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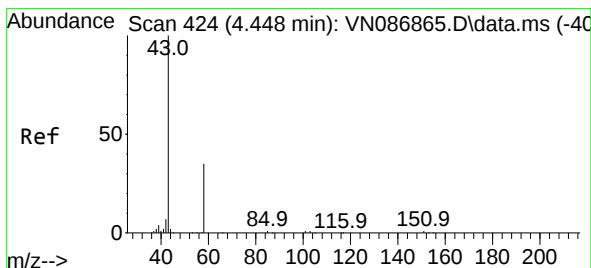
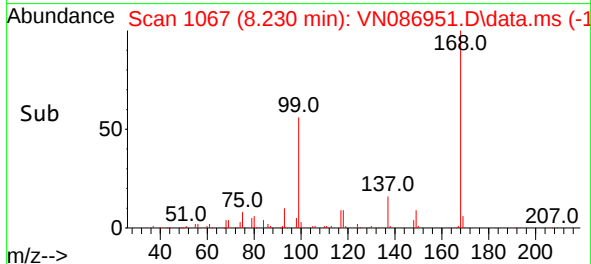
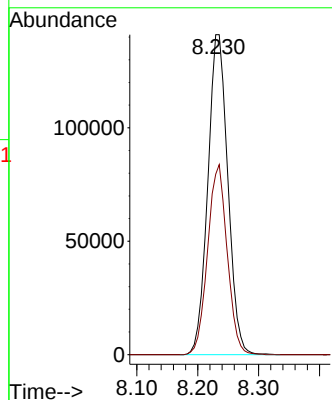
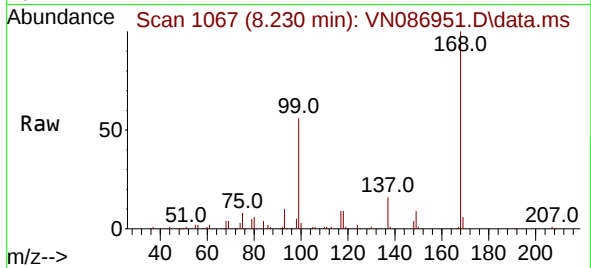




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.230 min Scan# 1068
Delta R.T. -0.006 min
Lab File: VN086951.D
Acq: 11 Jun 2025 16:12

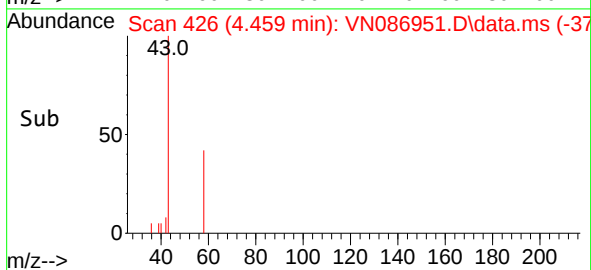
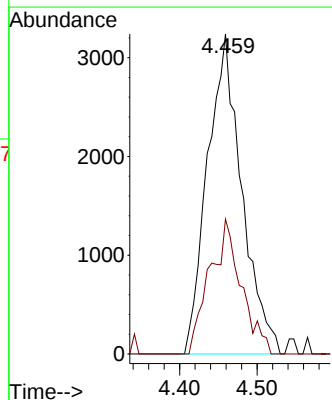
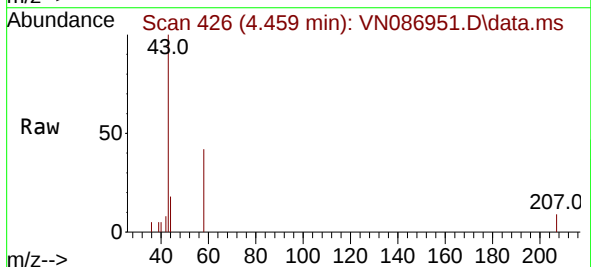
Instrument :
MSVOA_N
ClientSampleId :
MW-1A-20250603

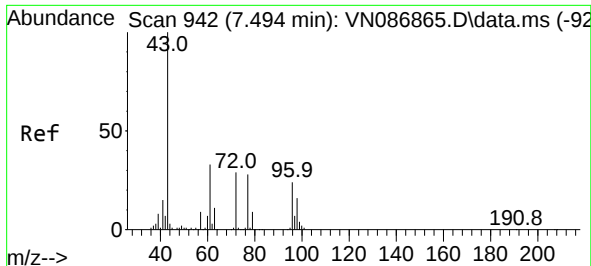
Tgt Ion:168 Resp: 321797
Ion Ratio Lower Upper
168 100
99 56.4 49.1 73.7



#16
Acetone
Concen: 4.357 ug/l
RT: 4.459 min Scan# 426
Delta R.T. 0.012 min
Lab File: VN086951.D
Acq: 11 Jun 2025 16:12

Tgt Ion: 43 Resp: 9954
Ion Ratio Lower Upper
43 100
58 42.2 28.0 42.0#

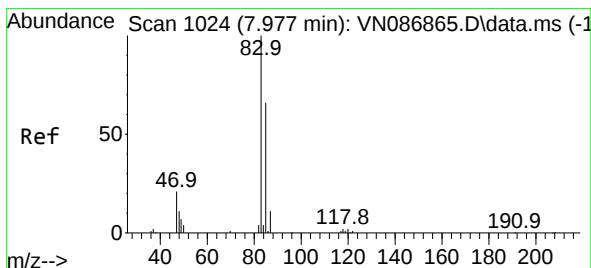
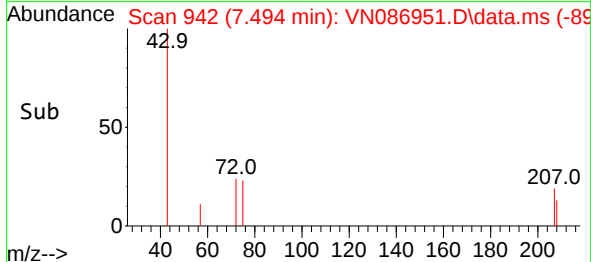
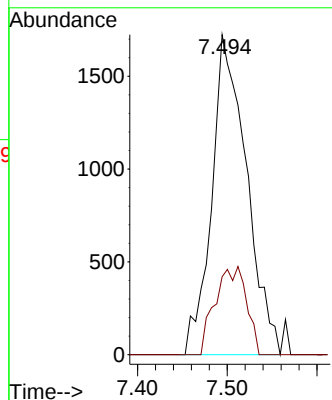
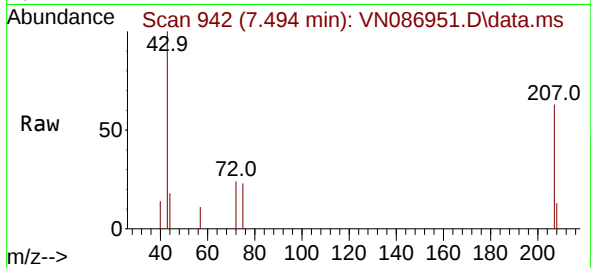




#25
2-Butanone
Concen: 1.246 ug/l
RT: 7.494 min Scan# 942
Delta R.T. -0.000 min
Lab File: VN086951.D
Acq: 11 Jun 2025 16:12

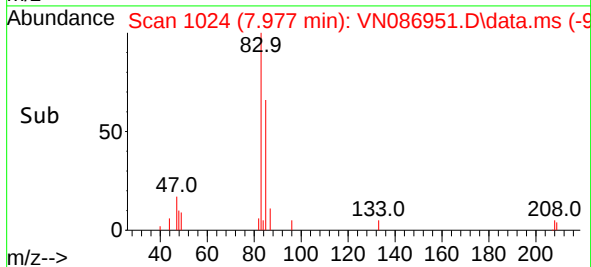
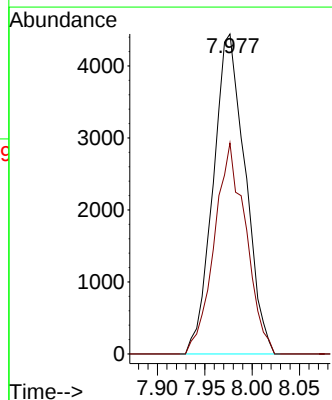
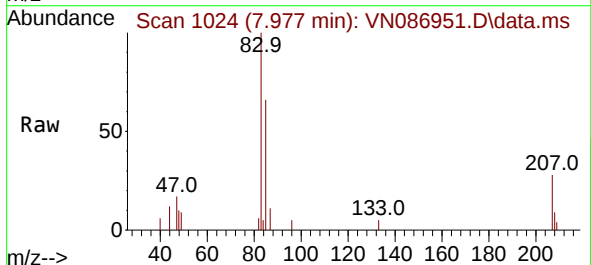
Instrument :
MSVOA_N
ClientSampleId :
MW-1A-20250603

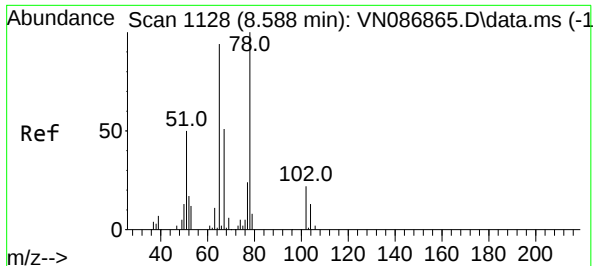
Tgt Ion: 43 Resp: 4627
Ion Ratio Lower Upper
43 100
72 24.4 23.0 34.6



#30
Chloroform
Concen: 1.454 ug/l
RT: 7.977 min Scan# 1024
Delta R.T. -0.000 min
Lab File: VN086951.D
Acq: 11 Jun 2025 16:12

Tgt Ion: 83 Resp: 10460
Ion Ratio Lower Upper
83 100
85 65.9 52.9 79.3





#33

1,2-Dichloroethane-d4

Concen: 50.673 ug/l

RT: 8.588 min Scan# 1128

Delta R.T. -0.000 min

Lab File: VN086951.D

Acq: 11 Jun 2025 16:12

Instrument :

MSVOA_N

ClientSampleId :

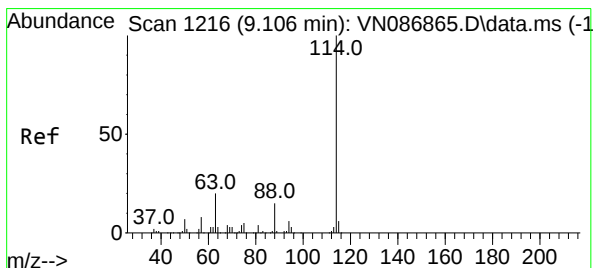
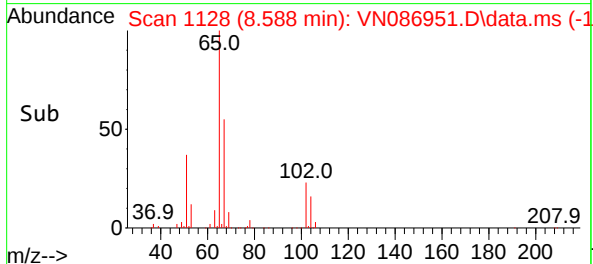
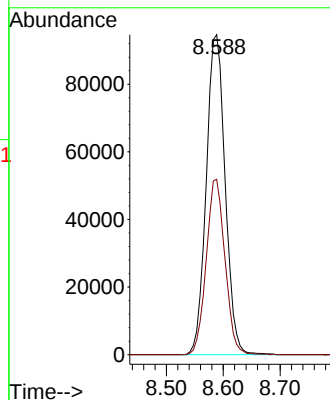
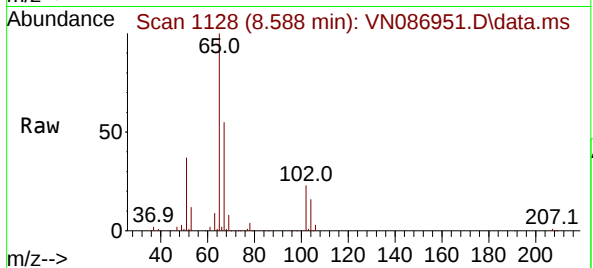
MW-1A-20250603

Tgt Ion: 65 Resp: 218323

Ion Ratio Lower Upper

65 100

67 54.3 0.0 105.6



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 9.106 min Scan# 1216

Delta R.T. -0.000 min

Lab File: VN086951.D

Acq: 11 Jun 2025 16:12

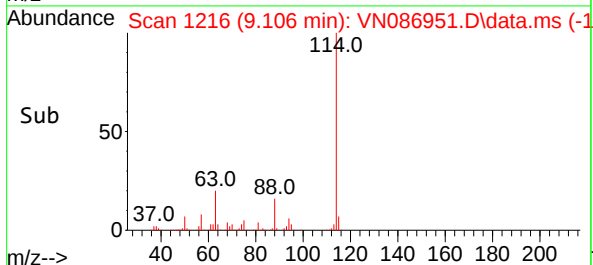
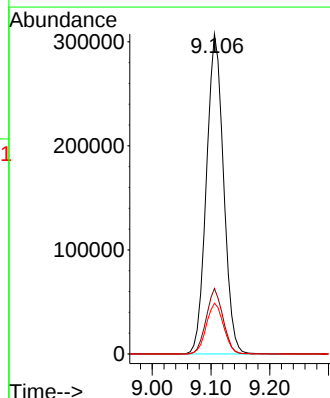
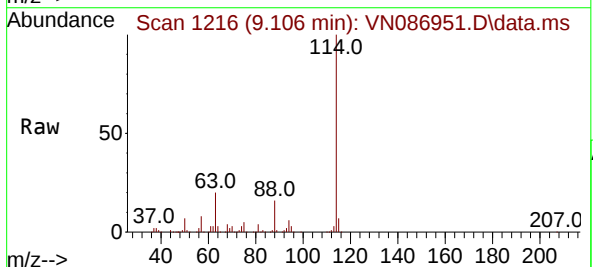
Tgt Ion: 114 Resp: 621476

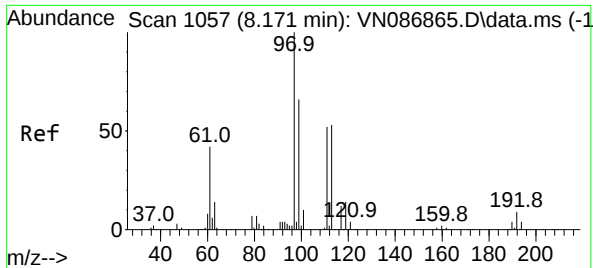
Ion Ratio Lower Upper

114 100

63 20.5 0.0 39.6

88 15.9 0.0 30.2

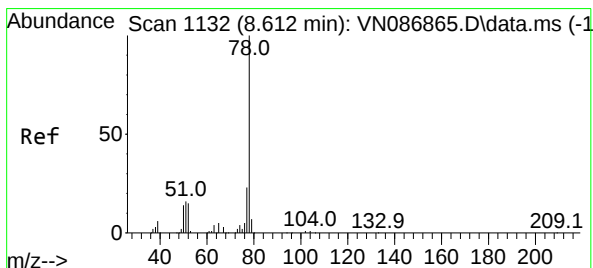
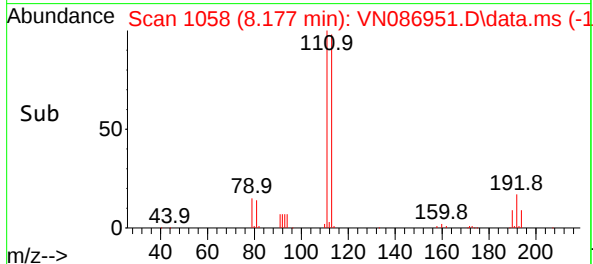
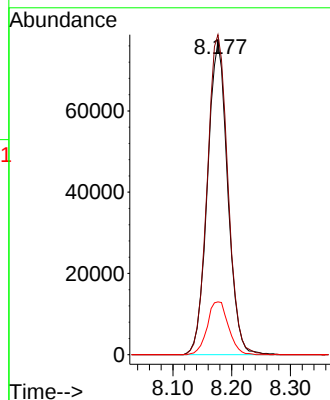
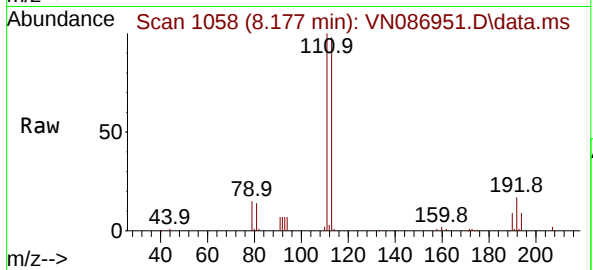




#35
 Dibromofluoromethane
 Concen: 50.000 ug/l
 RT: 8.177 min Scan# 1105
 Delta R.T. 0.006 min
 Lab File: VN086951.D
 Acq: 11 Jun 2025 16:12

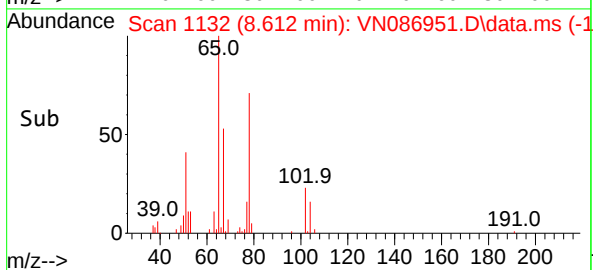
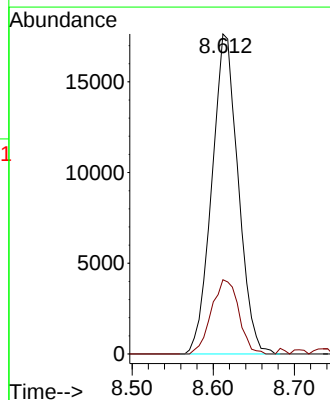
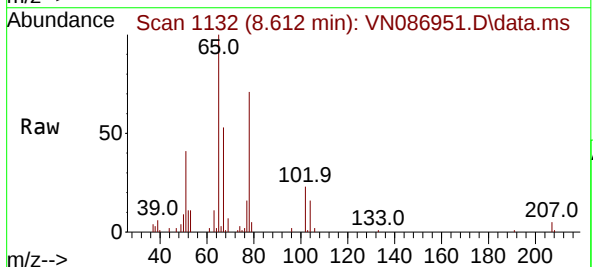
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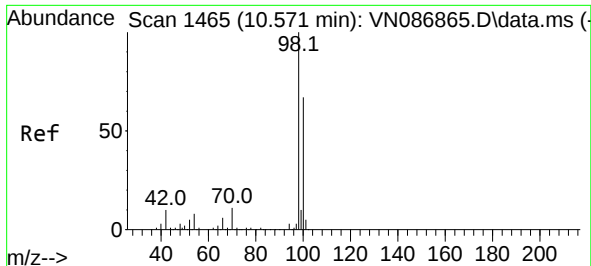
Tgt Ion:113 Resp: 184149
 Ion Ratio Lower Upper
 113 100
 111 103.9 84.2 126.2
 192 17.7 14.2 21.4



#40
 Benzene
 Concen: 2.216 ug/l
 RT: 8.612 min Scan# 1132
 Delta R.T. -0.000 min
 Lab File: VN086951.D
 Acq: 11 Jun 2025 16:12

Tgt Ion: 78 Resp: 39761
 Ion Ratio Lower Upper
 78 100
 77 23.2 18.7 28.1

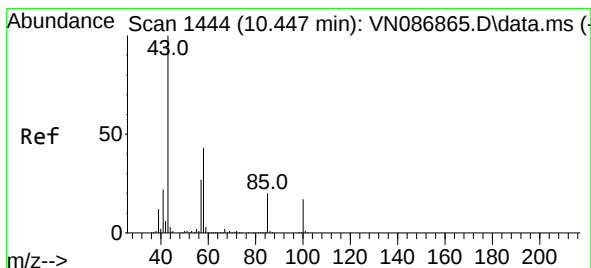
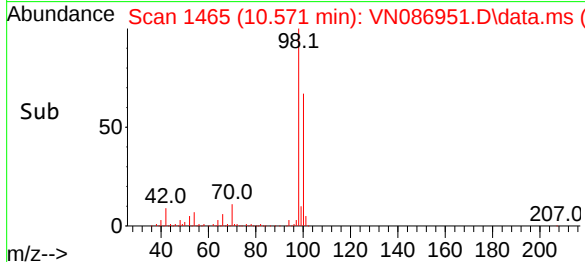
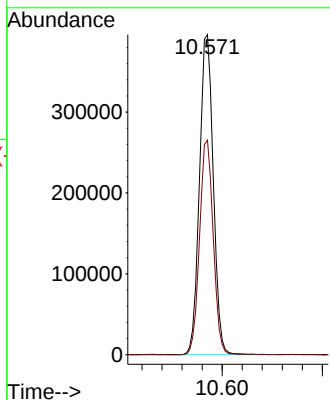
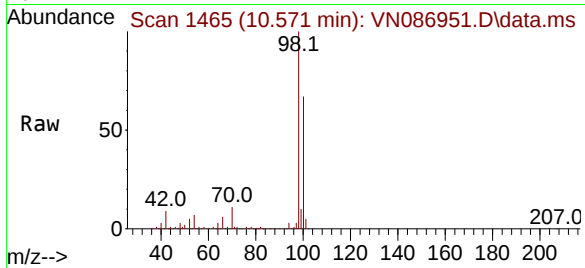




#50
Toluene-d8
Concen: 51.960 ug/l
RT: 10.571 min Scan# 1465
Delta R.T. -0.000 min
Lab File: VN086951.D
Acq: 11 Jun 2025 16:12

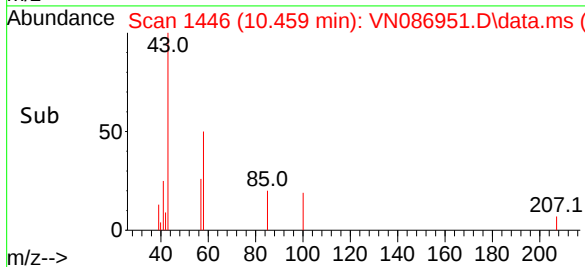
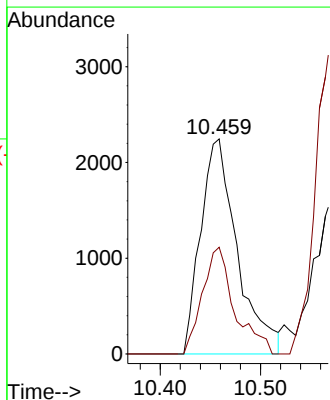
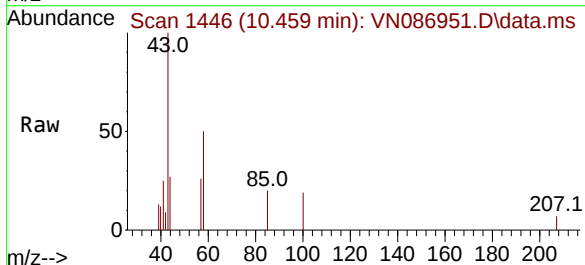
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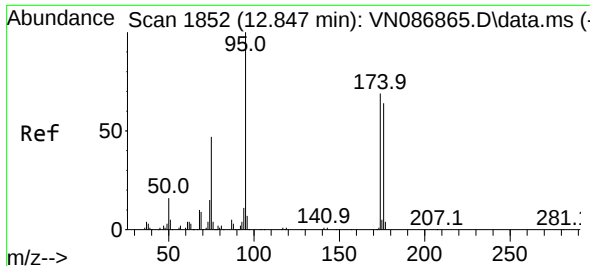
Tgt Ion: 98 Resp: 757581
Ion Ratio Lower Upper
98 100
100 66.3 53.4 80.0



#51
4-Methyl-2-Pentanone
Concen: 0.845 ug/l
RT: 10.459 min Scan# 1446
Delta R.T. 0.012 min
Lab File: VN086951.D
Acq: 11 Jun 2025 16:12

Tgt Ion: 43 Resp: 5703
Ion Ratio Lower Upper
43 100
58 43.5 34.2 51.4

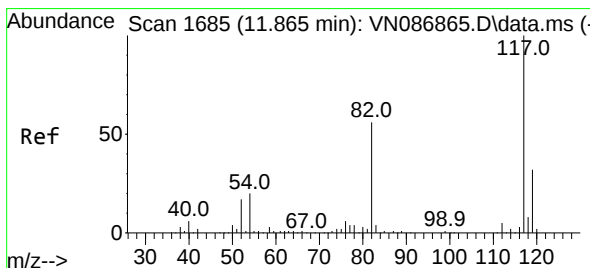
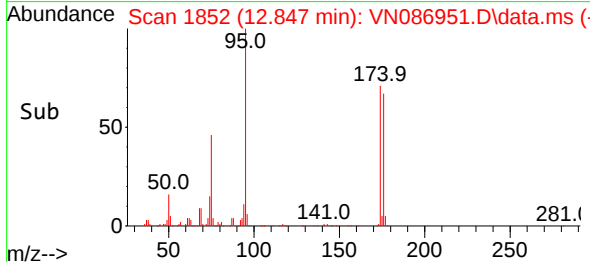
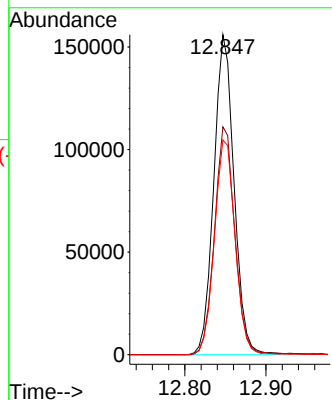
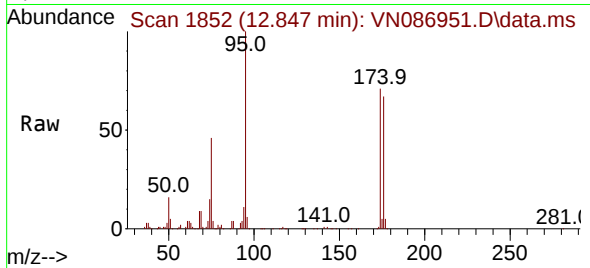




#62
4-Bromofluorobenzene
Concen: 49.754 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. -0.000 min
Lab File: VN086951.D
Acq: 11 Jun 2025 16:12

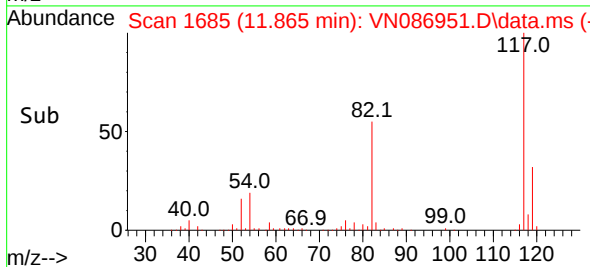
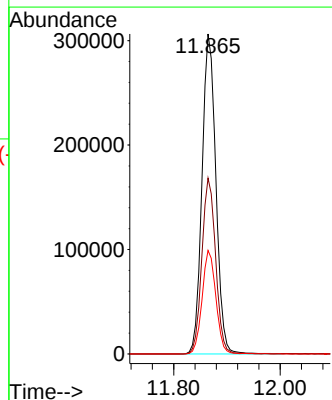
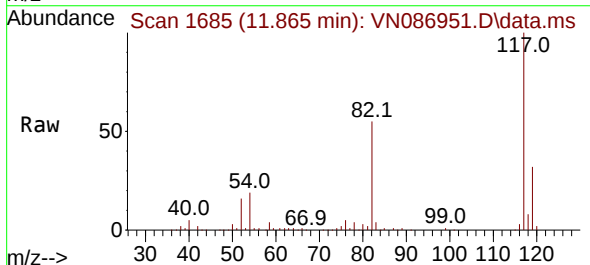
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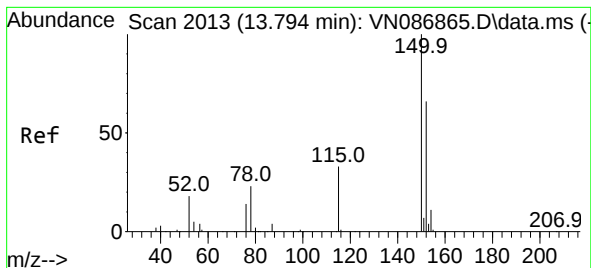
Tgt Ion: 95 Resp: 269513
Ion Ratio Lower Upper
95 100
174 72.4 0.0 141.8
176 69.2 0.0 132.6



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.865 min Scan# 1685
Delta R.T. -0.000 min
Lab File: VN086951.D
Acq: 11 Jun 2025 16:12

Tgt Ion: 117 Resp: 553688
Ion Ratio Lower Upper
117 100
82 54.9 44.6 67.0
119 32.4 25.5 38.3





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.788 min Scan# 20

Delta R.T. -0.006 min

Lab File: VN086951.D

Acq: 11 Jun 2025 16:12

Instrument :

MSVOA_N

ClientSampleId :

MW-1A-20250603

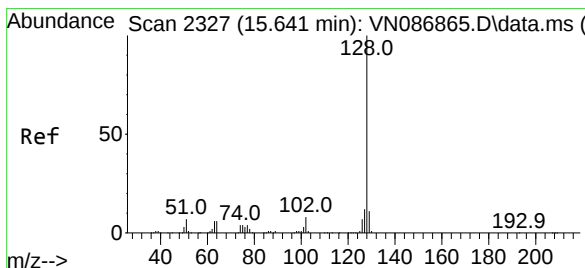
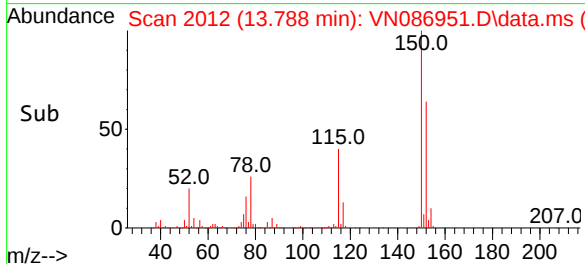
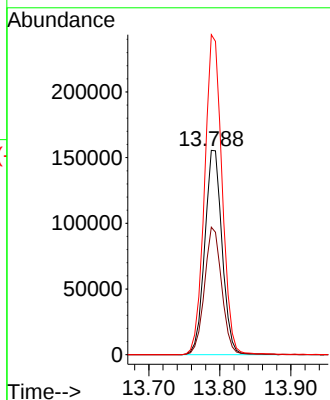
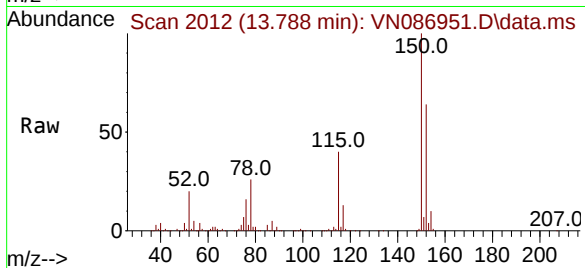
Tgt Ion:152 Resp: 263952

Ion Ratio Lower Upper

152 100

115 62.1 30.1 90.5

150 158.0 0.0 345.0



#95

Naphthalene

Concen: 0.343 ug/l

RT: 15.635 min Scan# 2326

Delta R.T. -0.006 min

Lab File: VN086951.D

Acq: 11 Jun 2025 16:12

Tgt Ion:128 Resp: 6799

Ion Ratio Lower Upper

128 100

127 13.7 10.2 15.2

129 9.8 8.8 13.2

