

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN061225\
 Data File : VN086987.D
 Acq On : 12 Jun 2025 18:56
 Operator : JC\MD
 Sample : Q2268-02
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 MW-5-20250605

Quant Time: Jun 13 02:54:15 2025
 Quant Title :
 QLast Update : Sat Jun 07 02:12:50 2025
 Response via : Initial Calibration

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

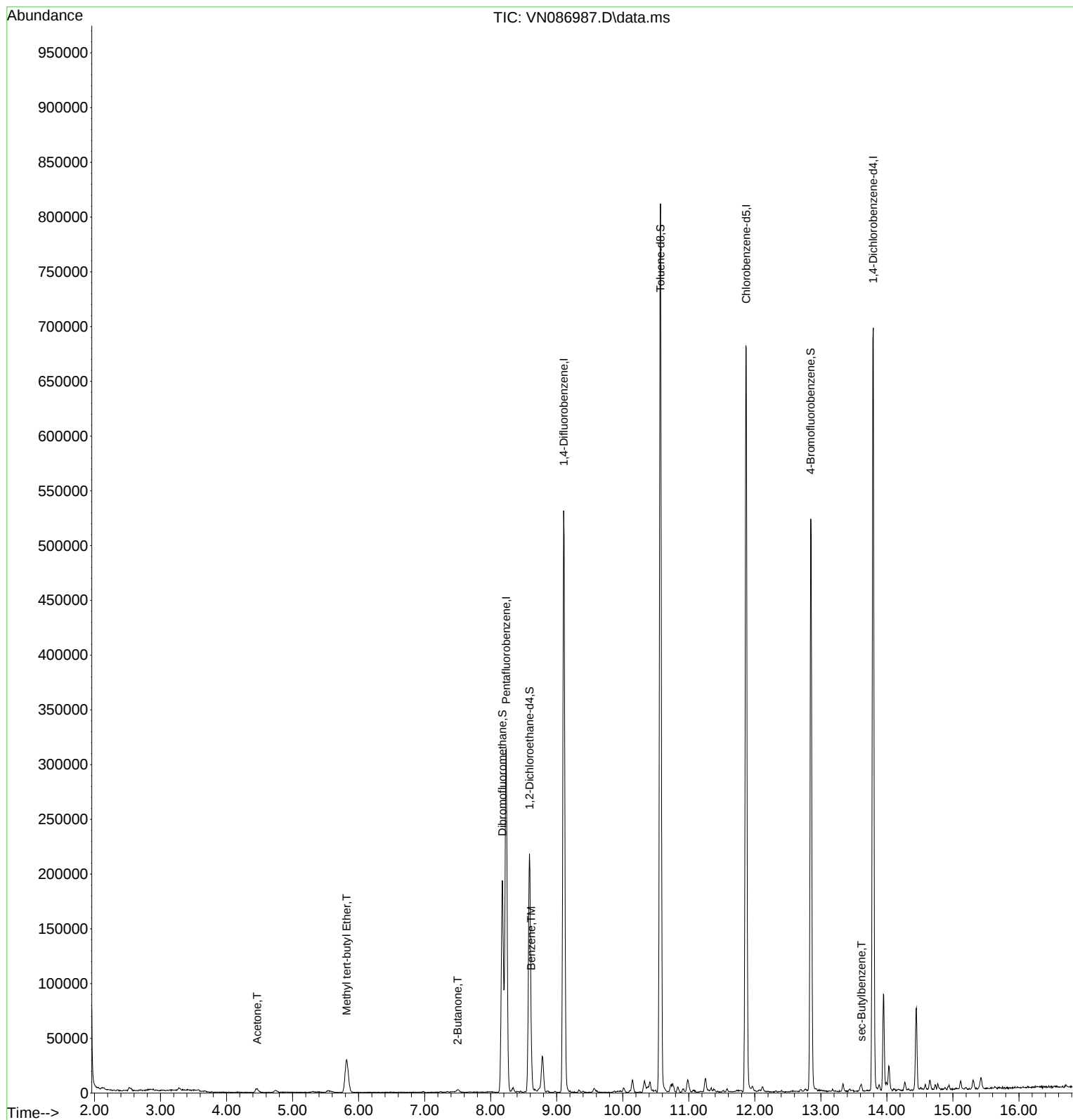
Internal Standards						
1) Pentafluorobenzene	8.235	168	244434	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.106	114	483373	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.870	117	434597	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.794	152	206986	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.588	65	178049	54.404	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	=	108.800%
35) Dibromofluoromethane	8.177	113	149029	52.025	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	104.040%
50) Toluene-d8	10.571	98	593715	52.355	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	=	104.720%
62) 4-Bromofluorobenzene	12.847	95	210546	49.973	ug/l	0.00
Spiked Amount	50.000	Range	77 - 121	Recovery	=	99.940%
Target Compounds						
					Qvalue	
16) Acetone	4.465	43	7697	4.435	ug/l #	87
19) Methyl tert-butyl Ether	5.818	73	52132	5.292	ug/l	91
25) 2-Butanone	7.500	43	4941	1.751	ug/l	95
40) Benzene	8.612	78	12784	0.916	ug/l	92
85) sec-Butylbenzene	13.617	105	4201	0.254	ug/l	80

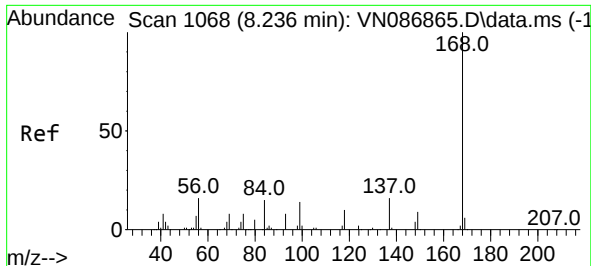
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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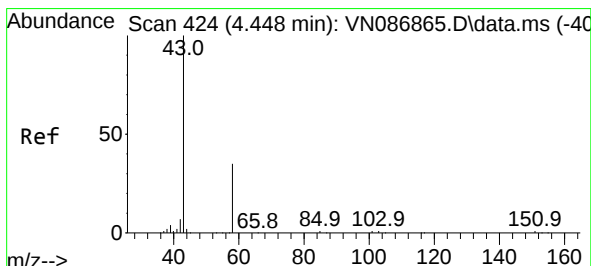
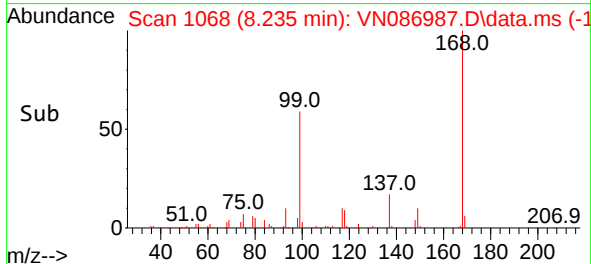
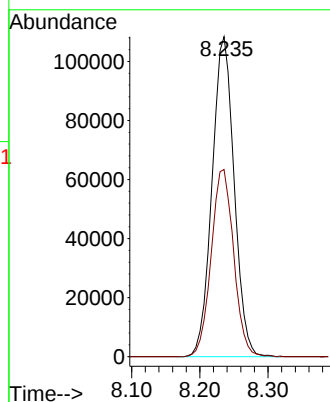
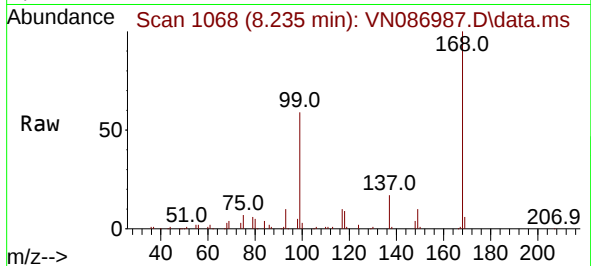




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.235 min Scan# 1068
Delta R.T. -0.001 min
Lab File: VN086987.D
Acq: 12 Jun 2025 18:56

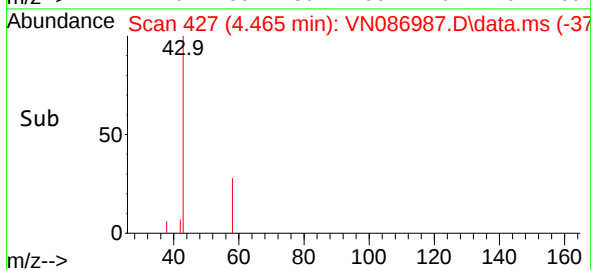
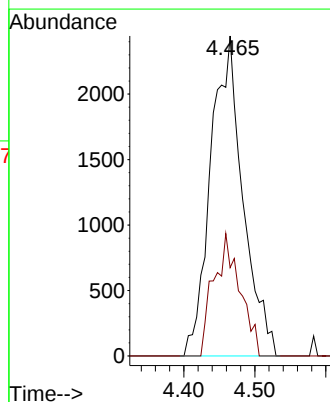
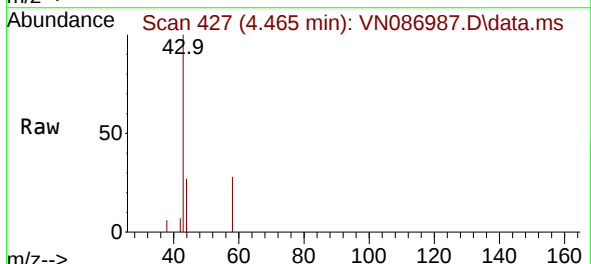
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MSVOA_N
ClientSampleId :
MW-5-20250605

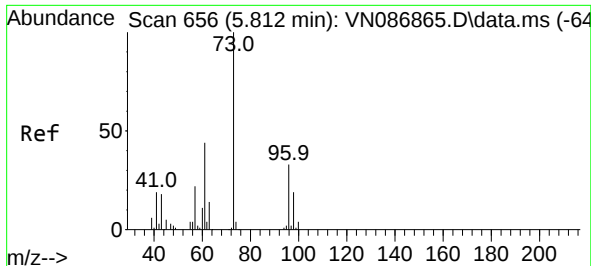
Tgt Ion:168 Resp: 244434
Ion Ratio Lower Upper
168 100
99 58.5 49.1 73.7



#16
Acetone
Concen: 4.435 ug/l
RT: 4.465 min Scan# 427
Delta R.T. 0.017 min
Lab File: VN086987.D
Acq: 12 Jun 2025 18:56

Tgt Ion: 43 Resp: 7697
Ion Ratio Lower Upper
43 100
58 27.6 28.0 42.0#

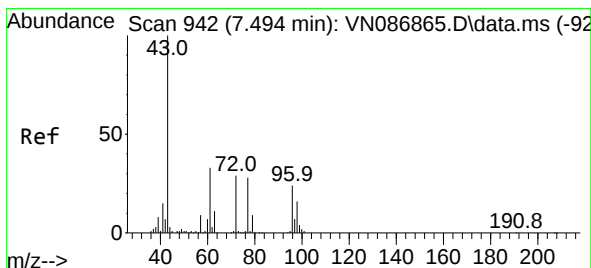
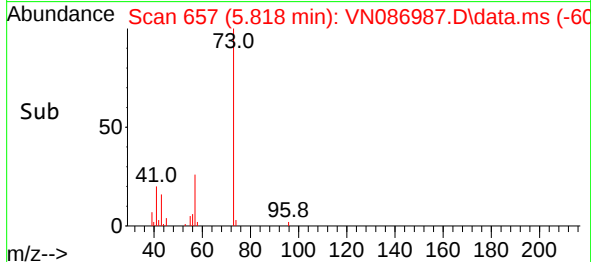
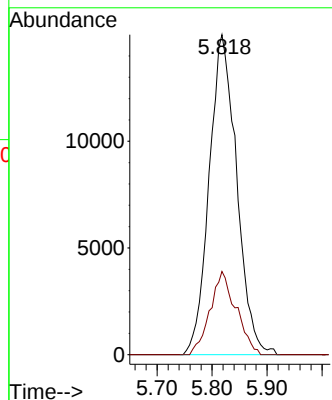
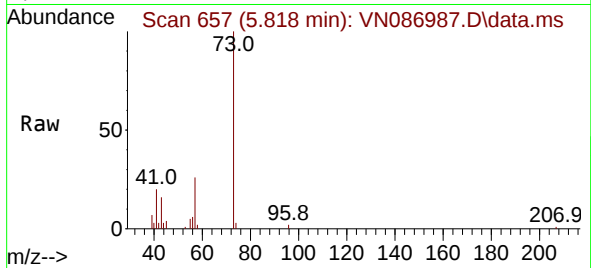




#19
Methyl tert-butyl Ether
Concen: 5.292 ug/l
RT: 5.818 min Scan# 61
Delta R.T. 0.006 min
Lab File: VN086987.D
Acq: 12 Jun 2025 18:56

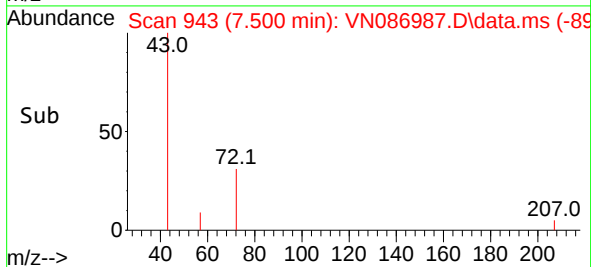
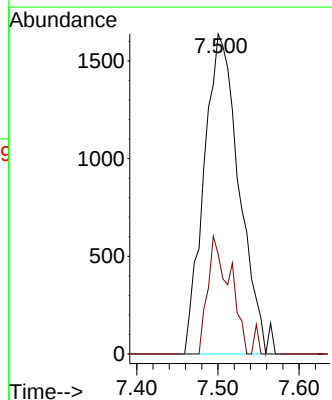
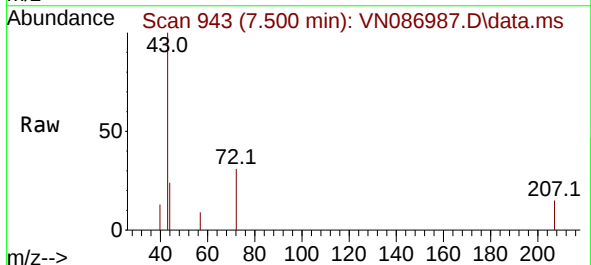
Instrument :
MSVOA_N
ClientSampleId :
MW-5-20250605

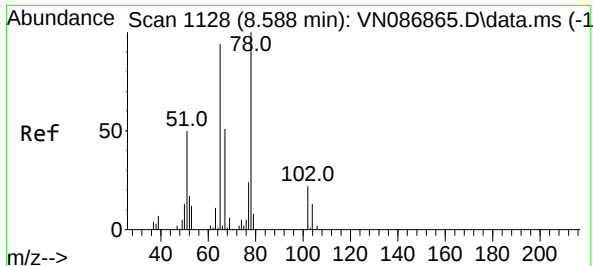
Tgt Ion: 73 Resp: 52132
Ion Ratio Lower Upper
73 100
57 26.0 17.4 26.2



#25
2-Butanone
Concen: 1.751 ug/l
RT: 7.500 min Scan# 943
Delta R.T. 0.006 min
Lab File: VN086987.D
Acq: 12 Jun 2025 18:56

Tgt Ion: 43 Resp: 4941
Ion Ratio Lower Upper
43 100
72 31.3 23.0 34.6





#33

1,2-Dichloroethane-d4

Concen: 54.404 ug/l

RT: 8.588 min Scan# 1128

Delta R.T. -0.000 min

Lab File: VN086987.D

Acq: 12 Jun 2025 18:56

Instrument :

MSVOA_N

ClientSampleId :

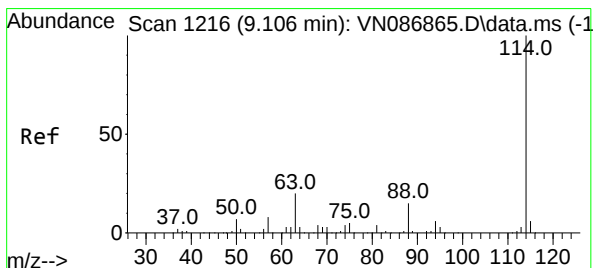
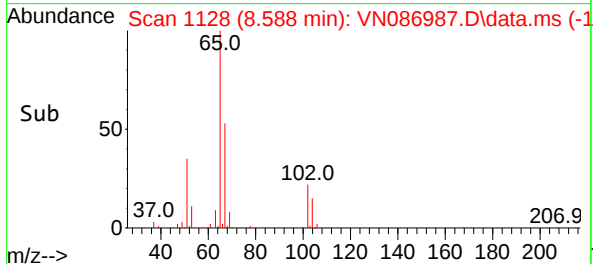
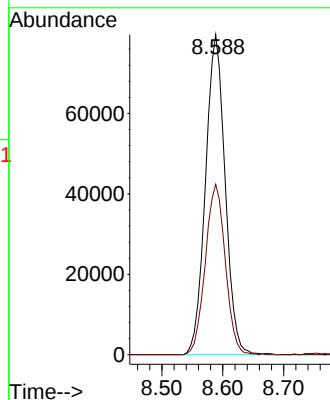
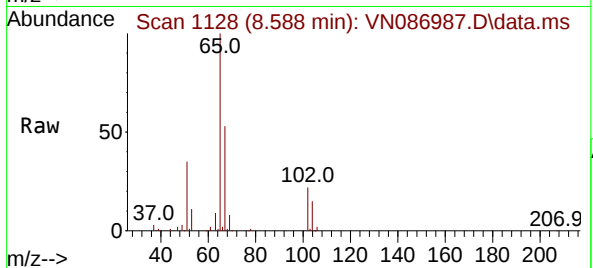
MW-5-20250605

Tgt Ion: 65 Resp: 178049

Ion Ratio Lower Upper

65 100

67 54.2 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: VN086987.D

Acq: 12 Jun 2025 18:56

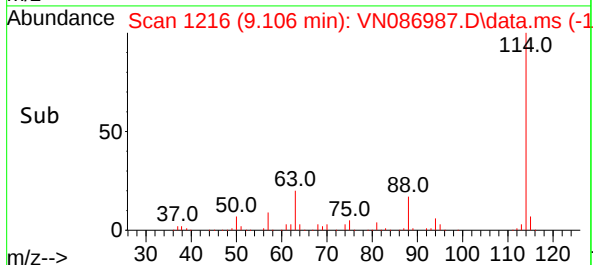
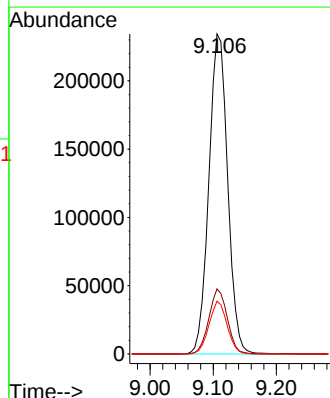
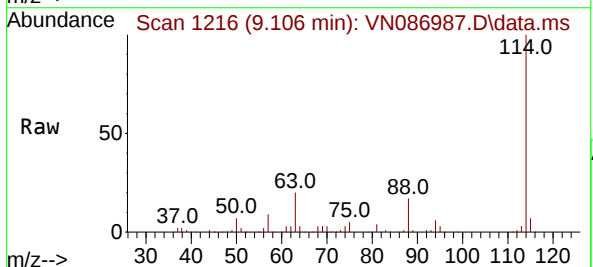
Tgt Ion: 114 Resp: 483373

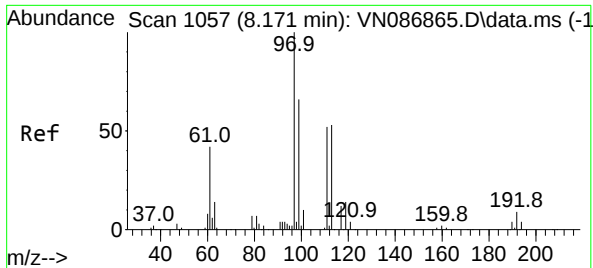
Ion Ratio Lower Upper

114 100

63 20.4 0.0 39.6

88 16.5 0.0 30.2

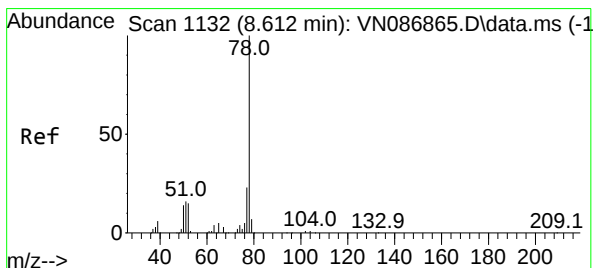
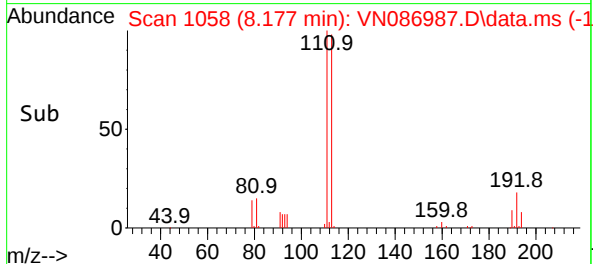
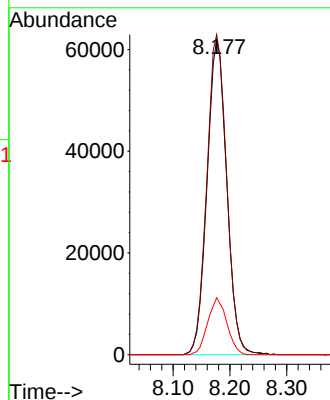
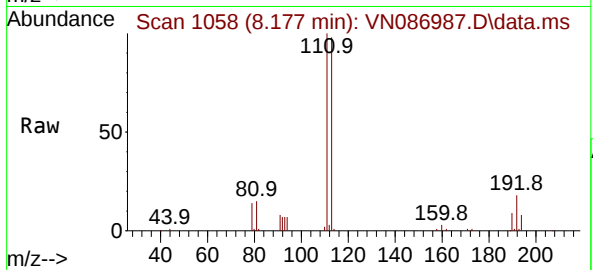




#35
Dibromofluoromethane
Concen: 52.025 ug/l
RT: 8.177 min Scan# 1058
Delta R.T. 0.006 min
Lab File: VN086987.D
Acq: 12 Jun 2025 18:56

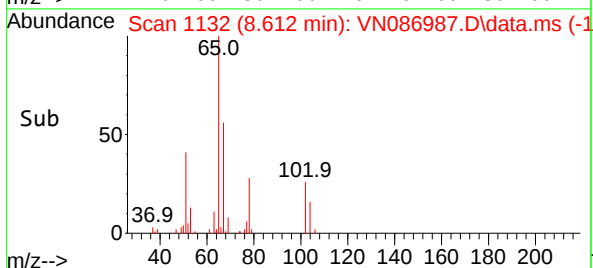
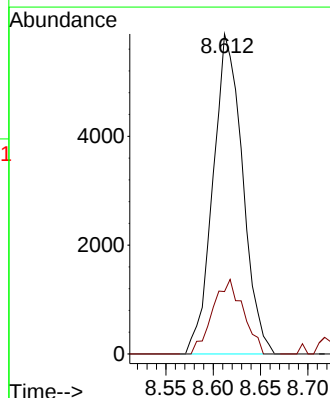
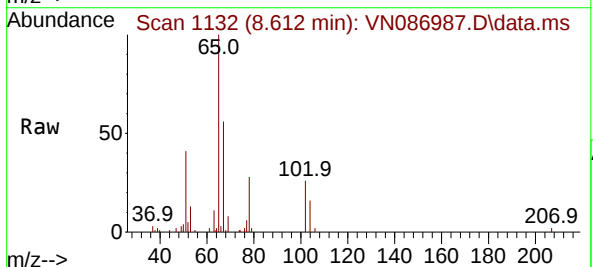
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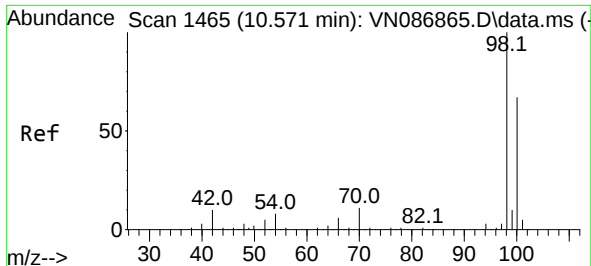
Tgt Ion:113 Resp: 149029
Ion Ratio Lower Upper
113 100
111 102.4 84.2 126.2
192 17.5 14.2 21.4



#40
Benzene
Concen: 0.916 ug/l
RT: 8.612 min Scan# 1132
Delta R.T. -0.000 min
Lab File: VN086987.D
Acq: 12 Jun 2025 18:56

Tgt Ion: 78 Resp: 12784
Ion Ratio Lower Upper
78 100
77 19.5 18.7 28.1

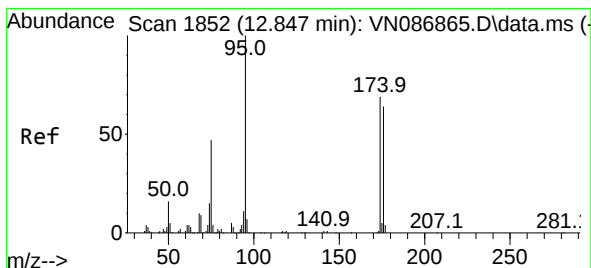
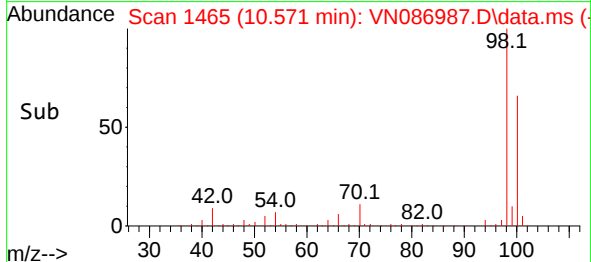
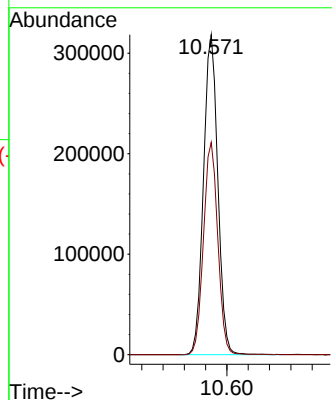
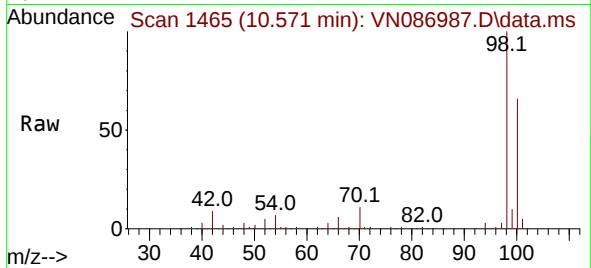




#50
Toluene-d8
Concen: 52.355 ug/l
RT: 10.571 min Scan# 1465
Delta R.T. -0.000 min
Lab File: VN086987.D
Acq: 12 Jun 2025 18:56

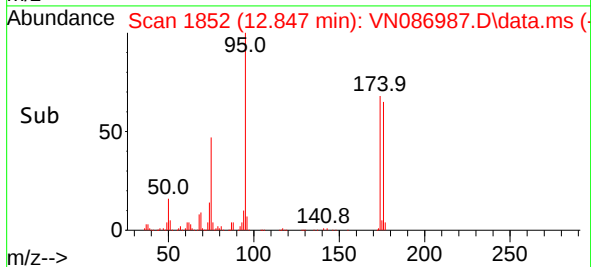
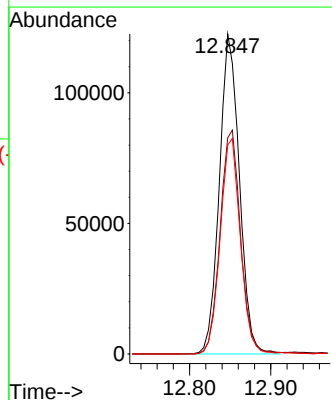
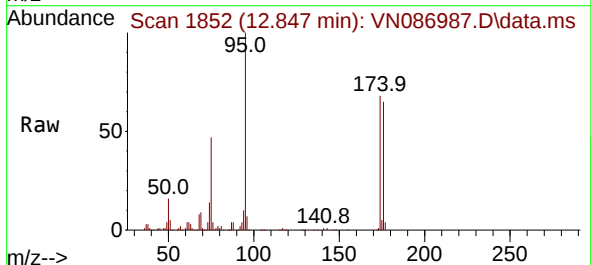
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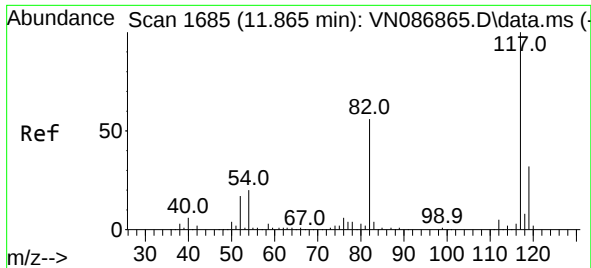
Tgt Ion: 98 Resp: 593715
Ion Ratio Lower Upper
98 100
100 66.2 53.4 80.0



#62
4-Bromofluorobenzene
Concen: 49.973 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. -0.000 min
Lab File: VN086987.D
Acq: 12 Jun 2025 18:56

Tgt Ion: 95 Resp: 210546
Ion Ratio Lower Upper
95 100
174 71.9 0.0 141.8
176 68.2 0.0 132.6

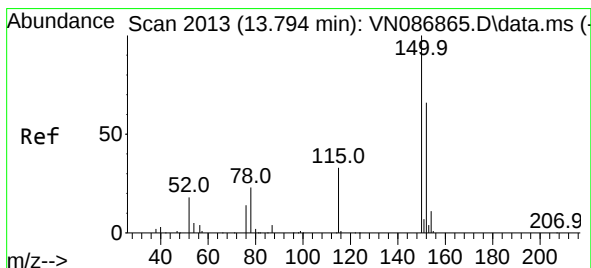
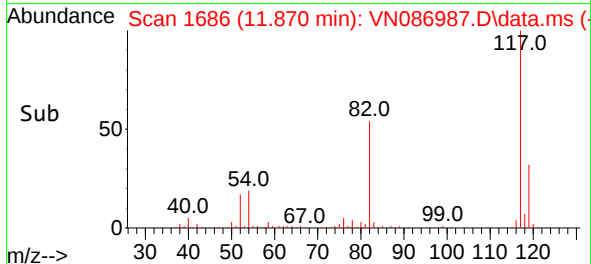
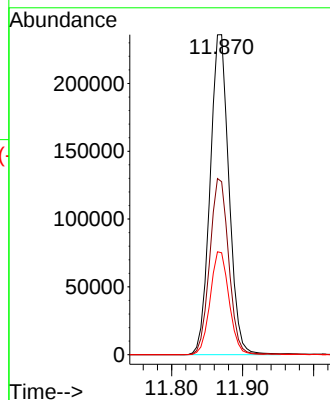
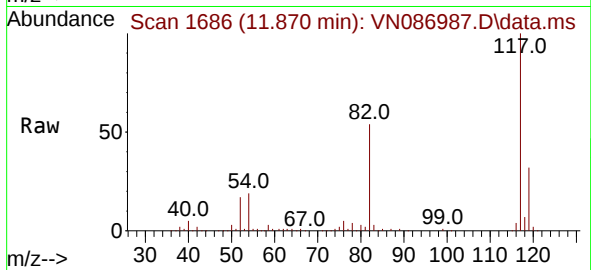




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.870 min Scan# 117
Delta R.T. 0.006 min
Lab File: VN086987.D
Acq: 12 Jun 2025 18:56

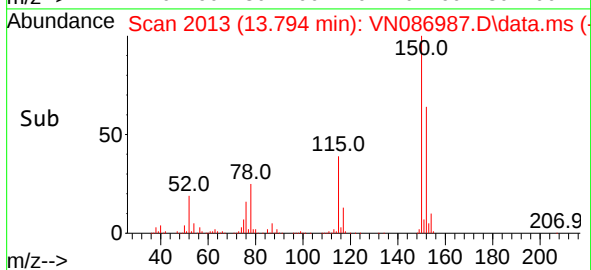
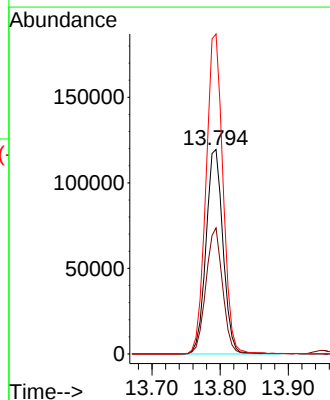
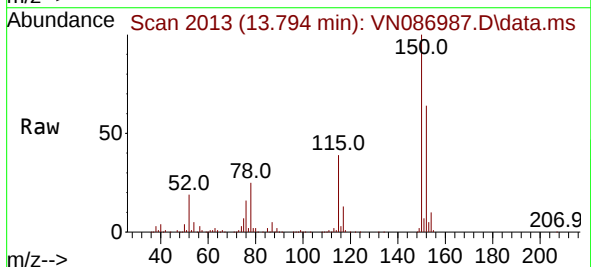
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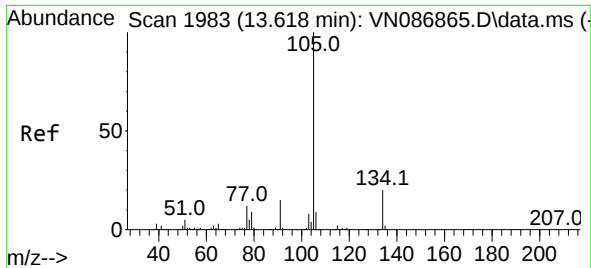
Tgt Ion:117 Resp: 434597
Ion Ratio Lower Upper
117 100
82 54.0 44.6 67.0
119 31.8 25.5 38.3



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.794 min Scan# 2013
Delta R.T. -0.000 min
Lab File: VN086987.D
Acq: 12 Jun 2025 18:56

Tgt Ion:152 Resp: 206986
Ion Ratio Lower Upper
152 100
115 60.7 30.1 90.5
150 156.6 0.0 345.0





#85
 sec-Butylbenzene
 Concen: 0.254 ug/l
 RT: 13.617 min Scan# 1983
 Delta R.T. -0.000 min
 Lab File: VN086987.D
 Acq: 12 Jun 2025 18:56

Instrument :
 MSVOA_N
 ClientSampleId :
 MW-5-20250605

Tgt Ion:105 Resp: 4201
 Ion Ratio Lower Upper
 105 100
 134 29.3 10.0 30.0

