

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)

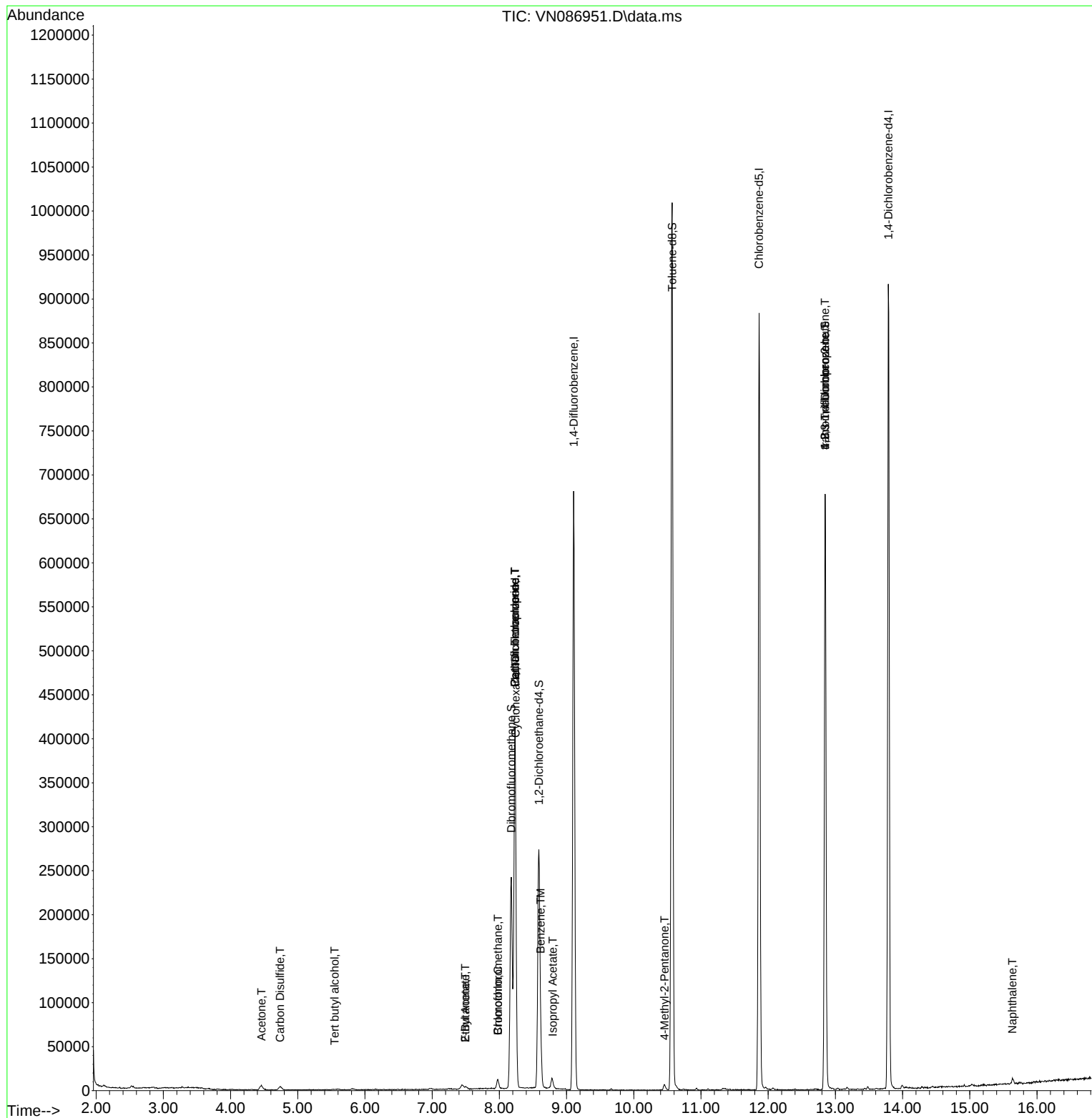
Internal Standards						
1) Pentafluorobenzene	8.230	168	321797	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.106	114	621476	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	553688	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.788	152	263952	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	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
11) Tert butyl alcohol	5.547	59	859	0.735	ug/l #	73
16) Acetone	4.459	43	9954	4.357	ug/l #	88
17) Carbon Disulfide	4.736	76	2364	0.239	ug/l #	75
25) 2-Butanone	7.494	43	4627	1.246	ug/l	92
28) Bromochloromethane	7.977	49	751	0.212	ug/l #	13
30) Chloroform	7.977	83	10460	1.454	ug/l	100
31) Cyclohexane	8.241	56	5980	0.856	ug/l #	1
36) 1,1-Dichloropropene	8.235	75	24579	4.479	ug/l #	48
37) Ethyl Acetate	7.494	43	4627	0.662	ug/l #	66
38) Carbon Tetrachloride	8.230	117	30961	5.746	ug/l #	17
40) Benzene	8.612	78	39761	2.216	ug/l	100
43) Isopropyl Acetate	8.794	43	3603	0.321	ug/l #	14
51) 4-Methyl-2-Pentanone	10.459	43	5703	0.845	ug/l	99
76) 1,2,3-Trichloropropane	12.847	75	126440	20.152	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.847	75	126440	46.390	ug/l #	16
95) Naphthalene	15.635	128	6799	0.343	ug/l	97

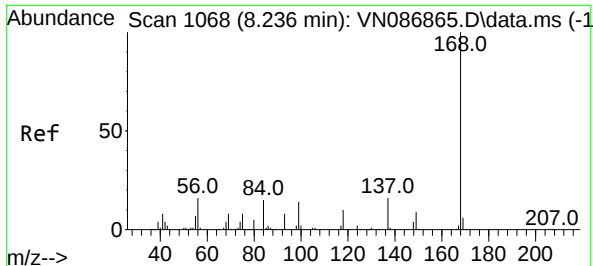
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Data File : VN086951.D
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Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N060625W.M
Quant Title : SW846 8260
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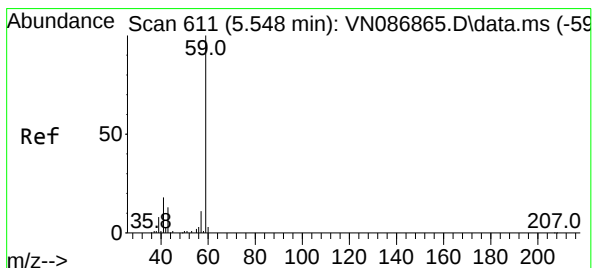
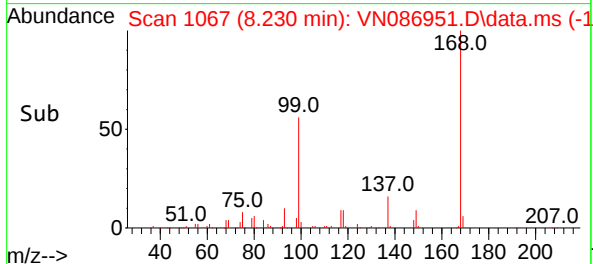
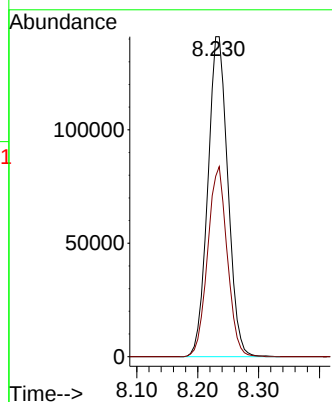
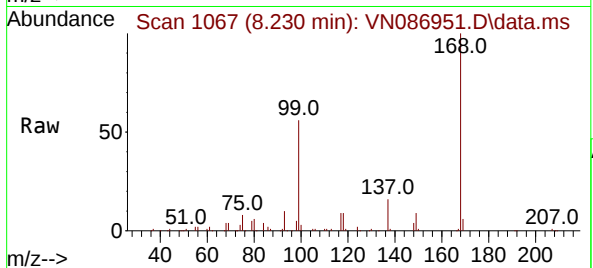




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.230 min Scan# 1
Delta R.T. -0.006 min
Lab File: VN086951.D
Acq: 11 Jun 2025 16:12

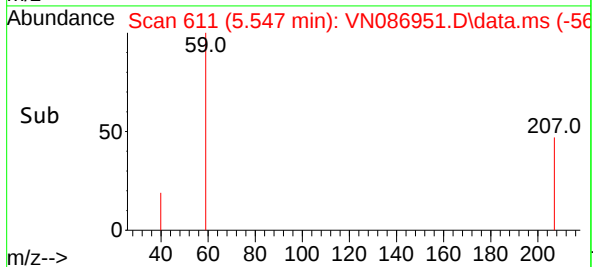
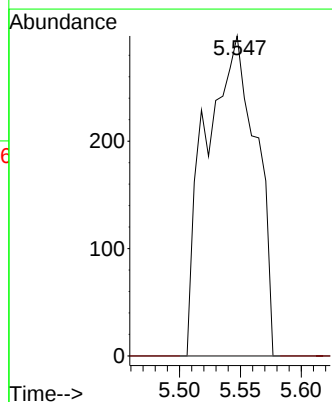
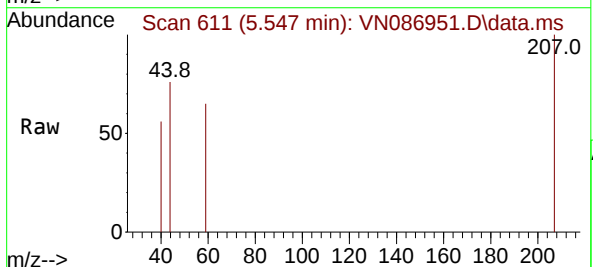
Instrument :
MSVOA_N
ClientSampleId :
MW-1A-20250603

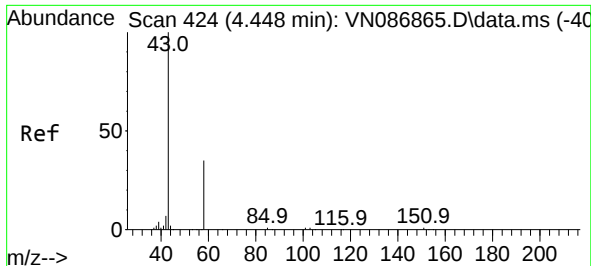
Tgt Ion:168 Resp: 321797
Ion Ratio Lower Upper
168 100
99 56.4 49.1 73.7



#11
Tert butyl alcohol
Concen: 0.735 ug/l
RT: 5.547 min Scan# 611
Delta R.T. -0.000 min
Lab File: VN086951.D
Acq: 11 Jun 2025 16:12

Tgt Ion: 59 Resp: 859
Ion Ratio Lower Upper
59 100
57 0.0 8.1 12.1#





#16

Acetone

Concen: 4.357 ug/l

RT: 4.459 min Scan# 41

Delta R.T. 0.012 min

Lab File: VN086951.D

Acq: 11 Jun 2025 16:12

Instrument :

MSVOA_N

ClientSampleId :

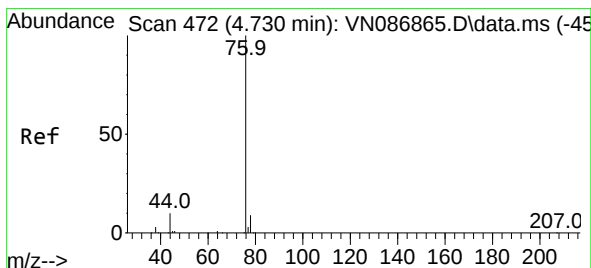
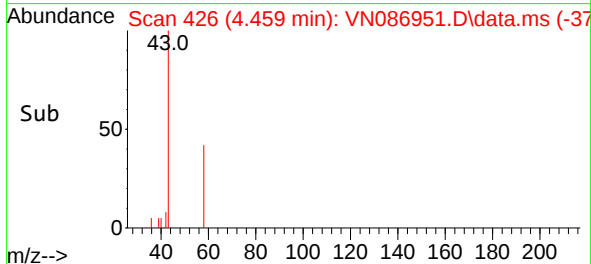
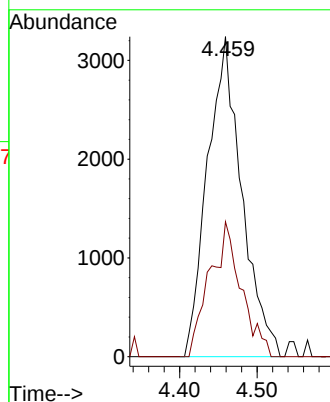
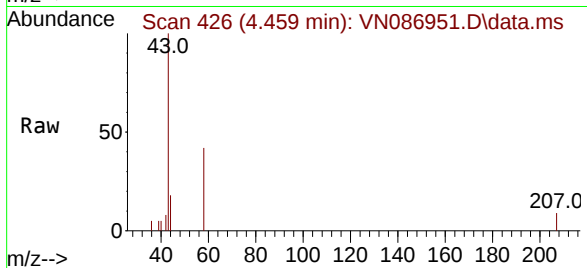
MW-1A-20250603

Tgt Ion: 43 Resp: 9954

Ion Ratio Lower Upper

43 100

58 42.2 28.0 42.0#



#17

Carbon Disulfide

Concen: 0.239 ug/l

RT: 4.736 min Scan# 473

Delta R.T. 0.006 min

Lab File: VN086951.D

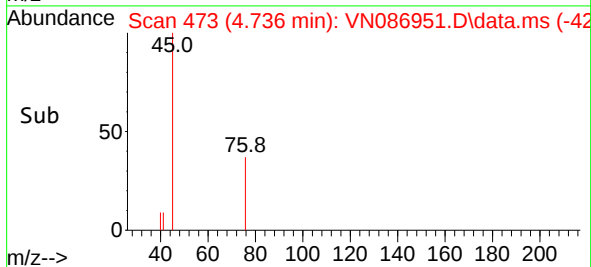
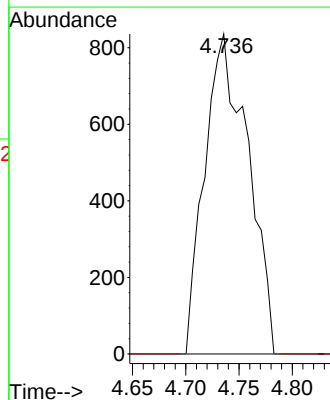
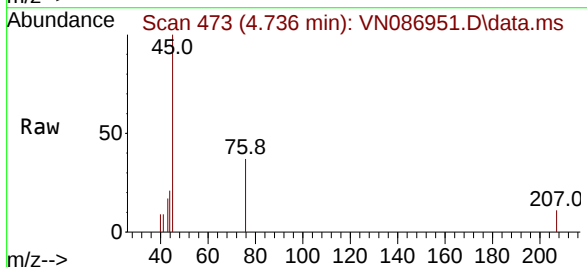
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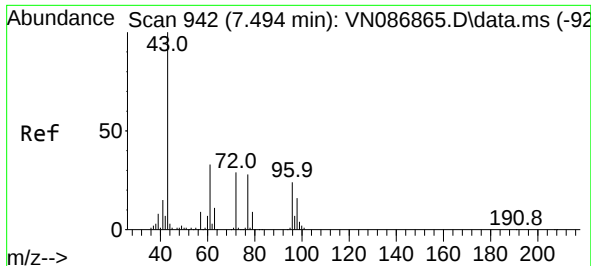
Tgt Ion: 76 Resp: 2364

Ion Ratio Lower Upper

76 100

78 0.0 7.3 10.9#

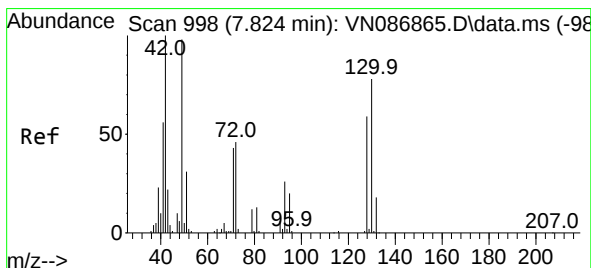
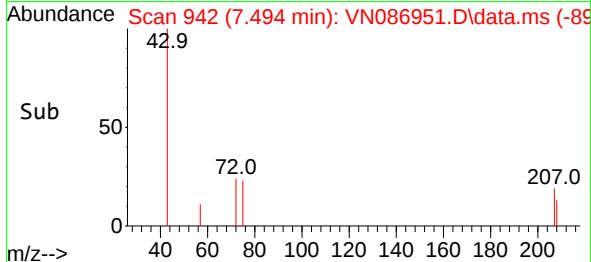
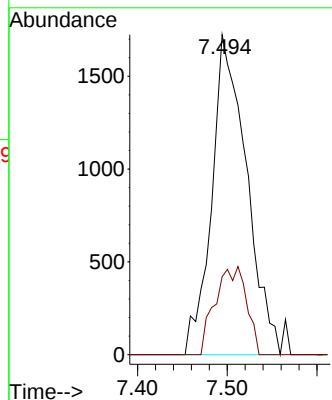
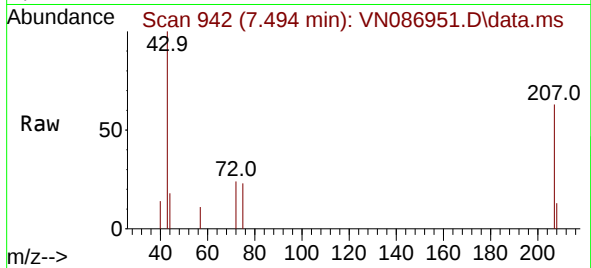




#25
2-Butanone
Concen: 1.246 ug/l
RT: 7.494 min Scan# 942
Delta R.T. -0.000 min
Lab File: VN086951.D
Acq: 11 Jun 2025 16:12

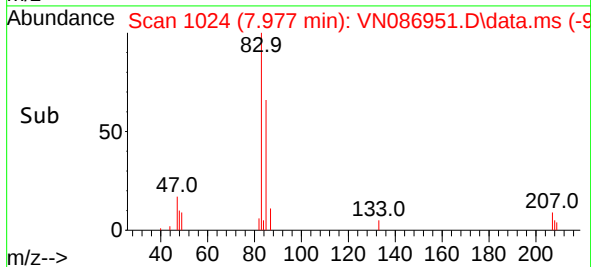
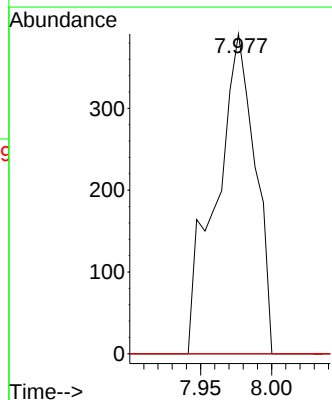
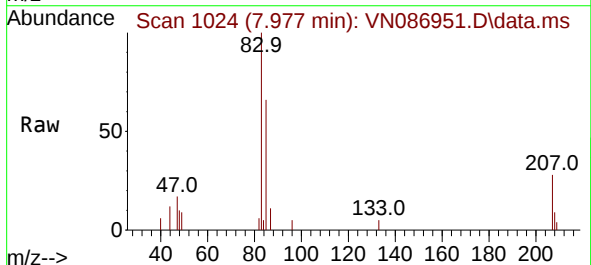
Instrument :
MSVOA_N
ClientSampleId :
MW-1A-20250603

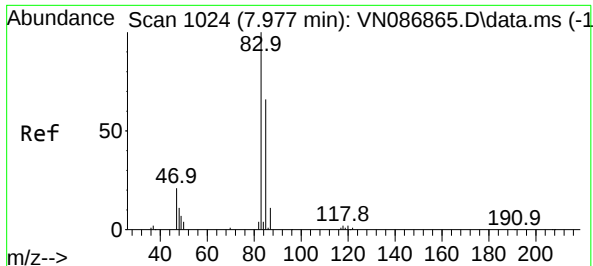
Tgt Ion: 43 Resp: 4627
Ion Ratio Lower Upper
43 100
72 24.4 23.0 34.6



#28
Bromochloromethane
Concen: 0.212 ug/l
RT: 7.977 min Scan# 1024
Delta R.T. 0.153 min
Lab File: VN086951.D
Acq: 11 Jun 2025 16:12

Tgt Ion: 49 Resp: 751
Ion Ratio Lower Upper
49 100
129 0.0 0.0 3.8
130 0.0 62.2 93.2#





#30

Chloroform

Concen: 1.454 ug/l

RT: 7.977 min Scan# 1069

Delta R.T. -0.000 min

Lab File: VN086951.D

Acq: 11 Jun 2025 16:12

Instrument :

MSVOA_N

ClientSampleId :

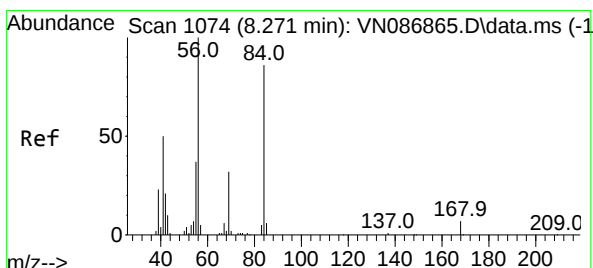
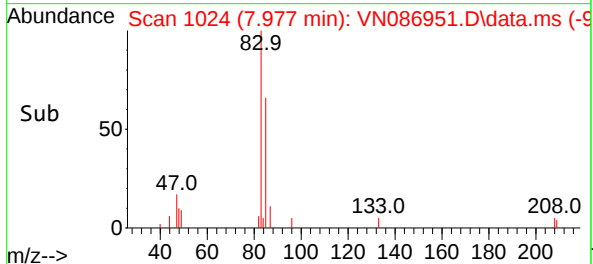
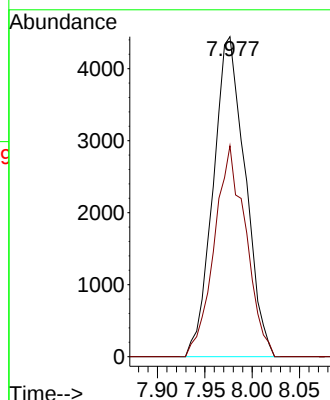
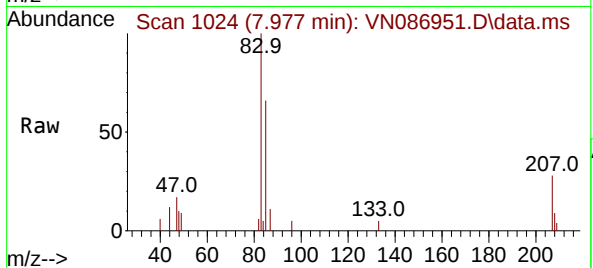
MW-1A-20250603

Tgt Ion: 83 Resp: 10460

Ion Ratio Lower Upper

83 100

85 65.9 52.9 79.3



#31

Cyclohexane

Concen: 0.856 ug/l

RT: 8.241 min Scan# 1069

Delta R.T. -0.030 min

Lab File: VN086951.D

Acq: 11 Jun 2025 16:12

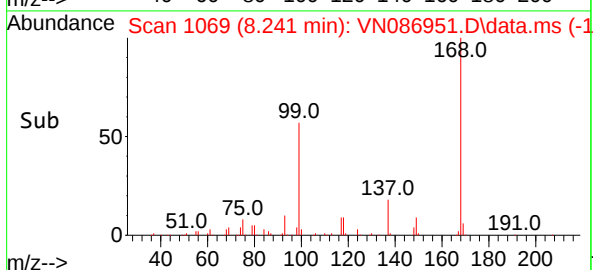
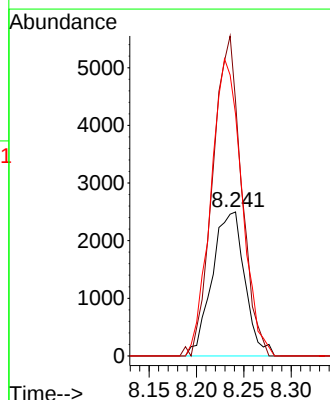
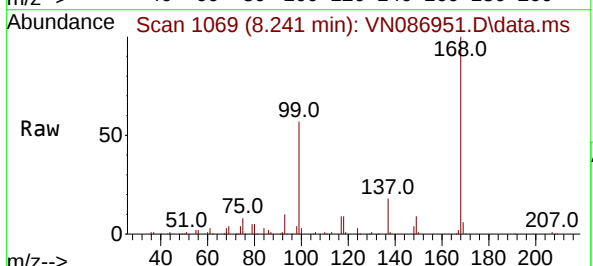
Tgt Ion: 56 Resp: 5980

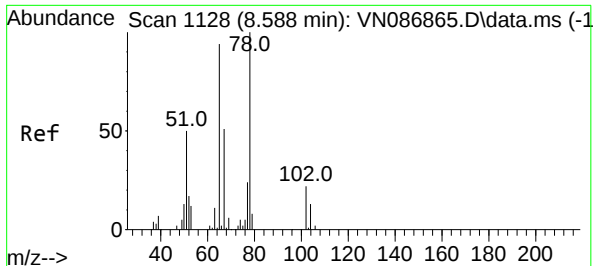
Ion Ratio Lower Upper

56 100

69 176.8 25.4 38.0#

84 167.9 68.8 103.2#





#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 :

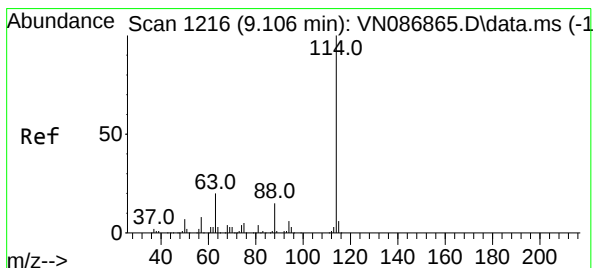
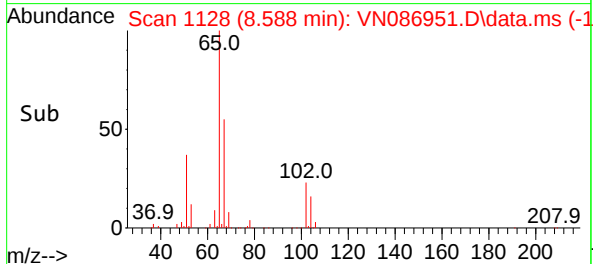
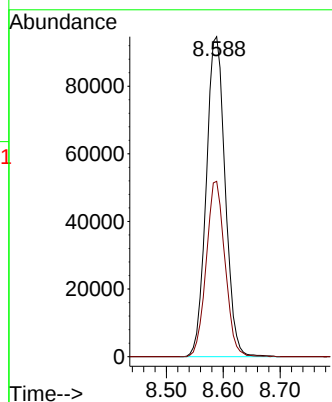
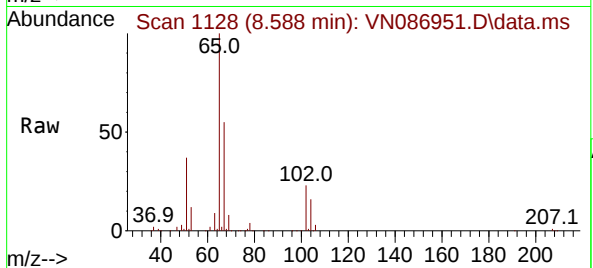
MW-1A-20250603

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

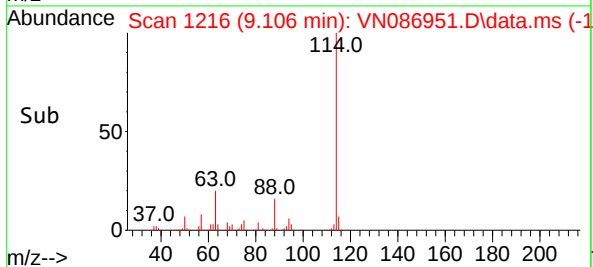
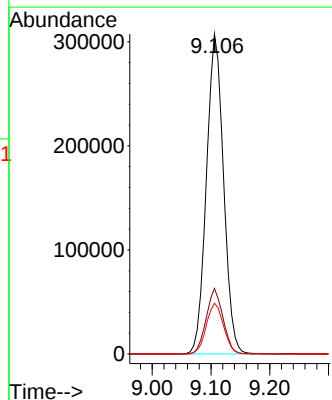
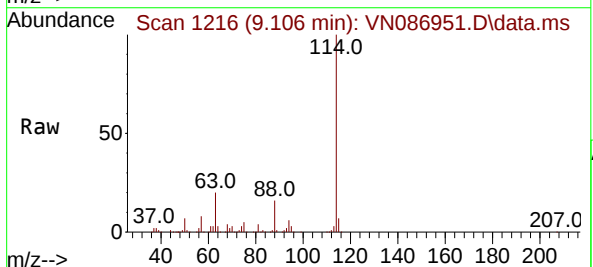
Tgt Ion:114 Resp: 621476

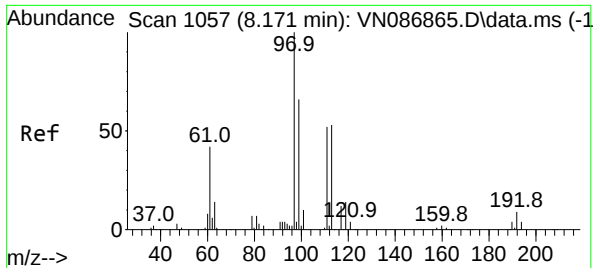
Ion Ratio Lower Upper

114 100

63 20.5 0.0 39.6

88 15.9 0.0 30.2

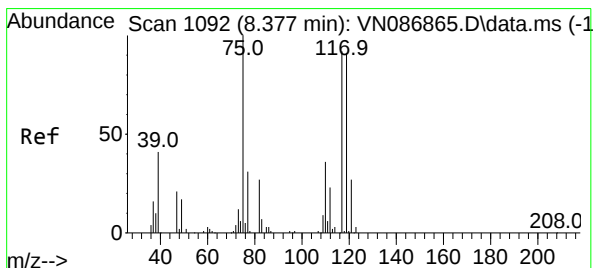
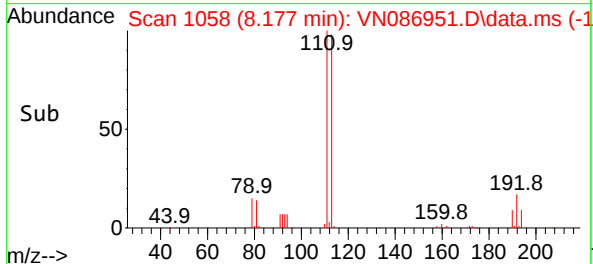
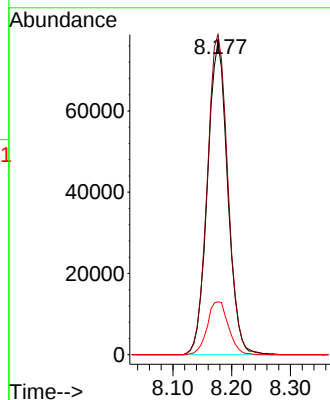
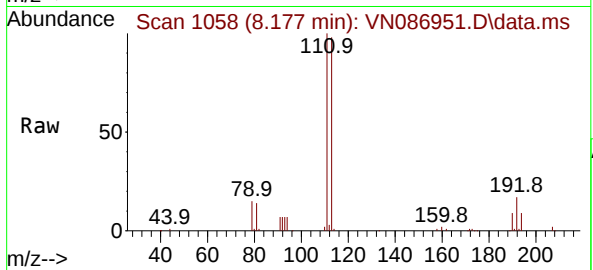




#35
Dibromofluoromethane
Concen: 50.000 ug/l
RT: 8.177 min Scan# 1057
Delta R.T. 0.006 min
Lab File: VN086951.D
Acq: 11 Jun 2025 16:12

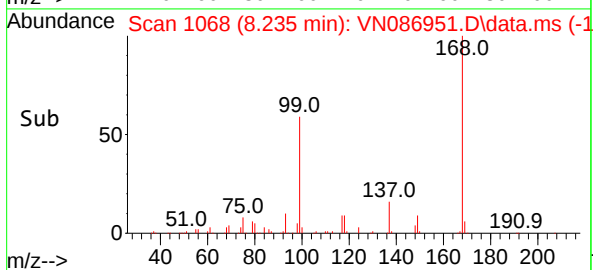
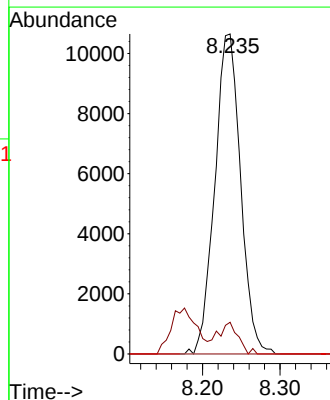
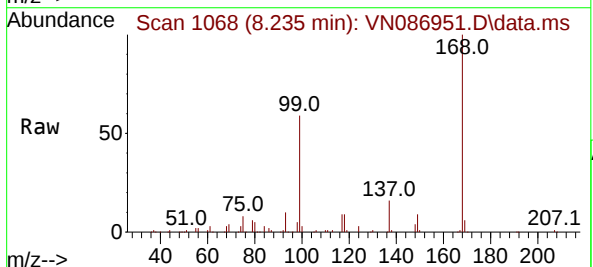
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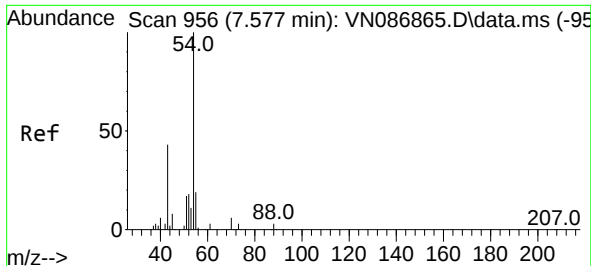
Tgt Ion:113 Resp: 184149
Ion Ratio Lower Upper
113 100
111 103.9 84.2 126.2
192 17.7 14.2 21.4



#36
1,1-Dichloropropene
Concen: 4.479 ug/l
RT: 8.235 min Scan# 1068
Delta R.T. -0.141 min
Lab File: VN086951.D
Acq: 11 Jun 2025 16:12

Tgt Ion: 75 Resp: 24579
Ion Ratio Lower Upper
75 100
110 8.0 17.6 52.9#
77 0.0 25.3 37.9#





#37

Ethyl Acetate

Concen: 0.662 ug/l

RT: 7.494 min Scan# 942

Delta R.T. -0.083 min

Lab File: VN086951.D

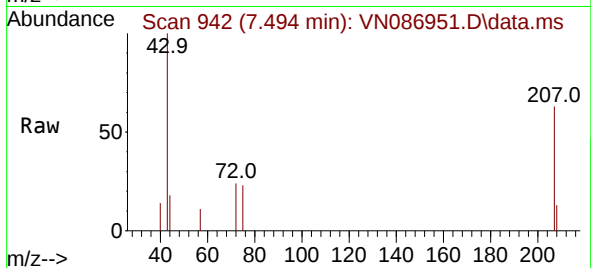
Acq: 11 Jun 2025 16:12

Instrument :

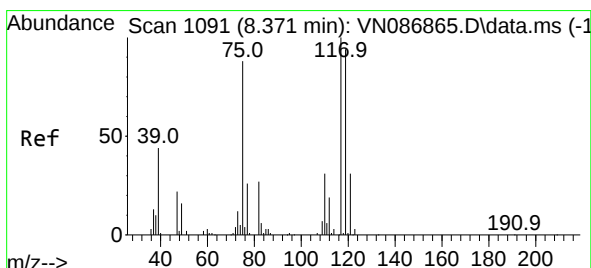
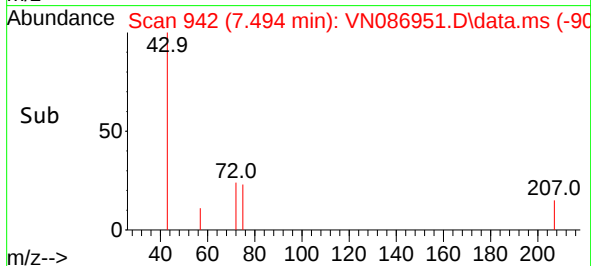
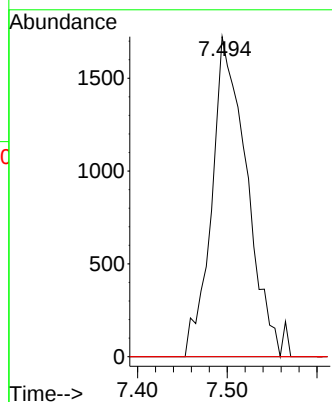
MSVOA_N

ClientSampleId :

MW-1A-20250603



Tgt Ion:	43	Resp:	4627
Ion	Ratio	Lower	Upper
43	100		
61	0.0	12.1	18.1#
70	0.0	9.8	14.6#



#38

Carbon Tetrachloride

Concen: 5.746 ug/l

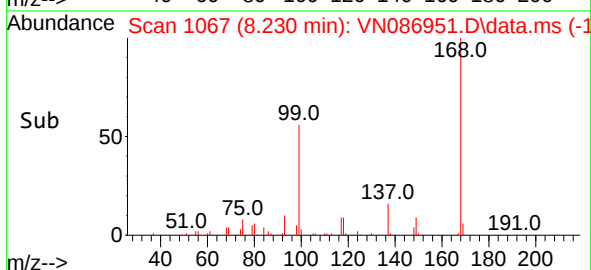
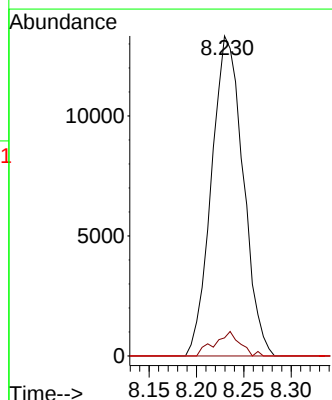
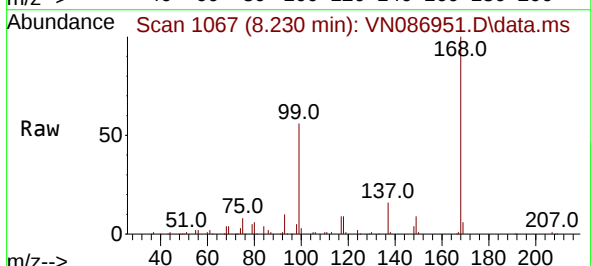
RT: 8.230 min Scan# 1067

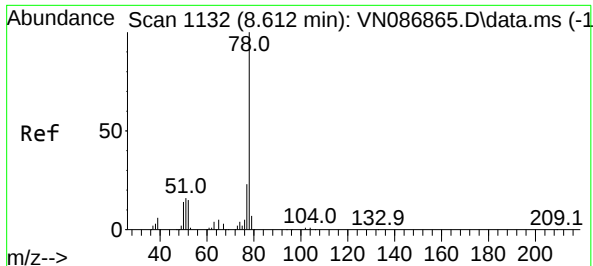
Delta R.T. -0.141 min

Lab File: VN086951.D

Acq: 11 Jun 2025 16:12

Tgt Ion:	117	Resp:	30961
Ion	Ratio	Lower	Upper
117	100		
119	5.7	75.0	112.6#
121	0.0	24.9	37.3#

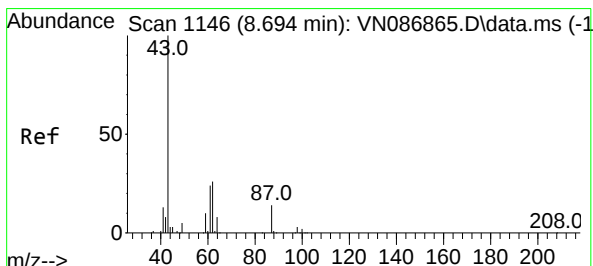
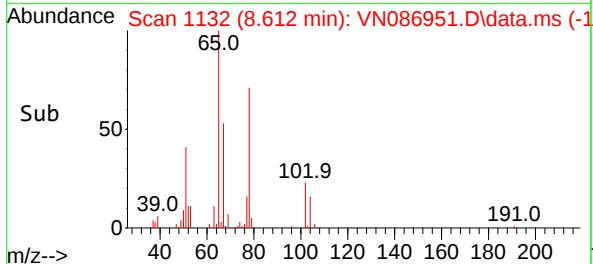
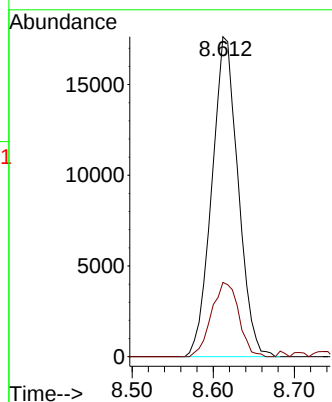
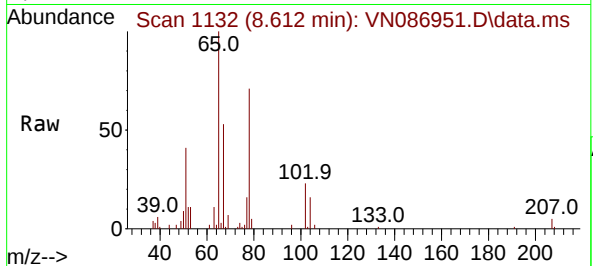




#40
Benzene
Concen: 2.216 ug/l
RT: 8.612 min Scan# 1132
Delta R.T. -0.000 min
Lab File: VN086951.D
Acq: 11 Jun 2025 16:12

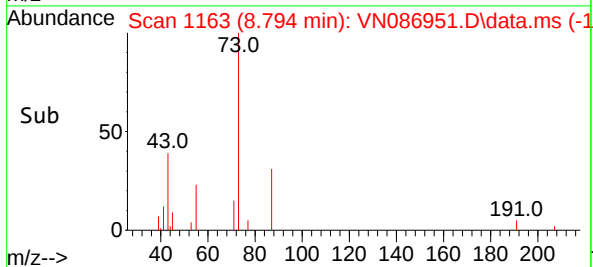
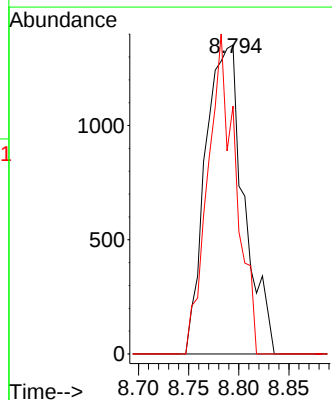
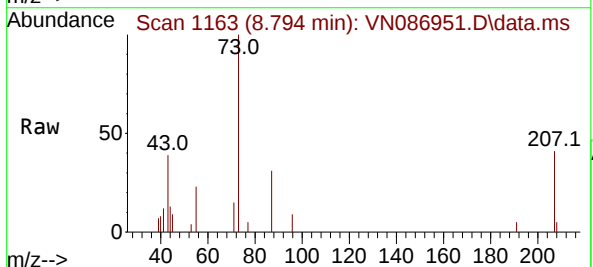
Instrument :
MSVOA_N
ClientSampleId :
MW-1A-20250603

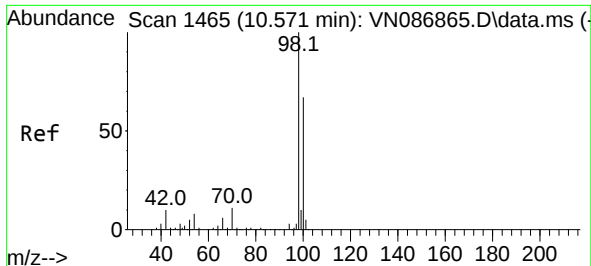
Tgt Ion: 78 Resp: 39761
Ion Ratio Lower Upper
78 100
77 23.2 18.7 28.1



#43
Isopropyl Acetate
Concen: 0.321 ug/l
RT: 8.794 min Scan# 1163
Delta R.T. 0.100 min
Lab File: VN086951.D
Acq: 11 Jun 2025 16:12

Tgt Ion: 43 Resp: 3603
Ion Ratio Lower Upper
43 100
61 0.0 22.1 33.1#
87 75.5 11.8 17.6#

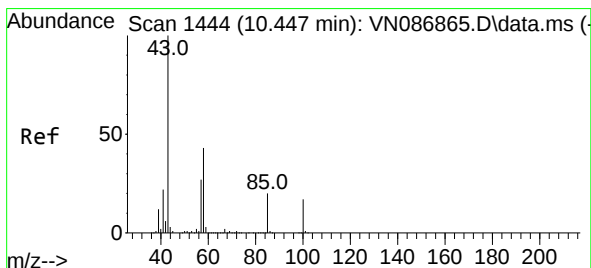
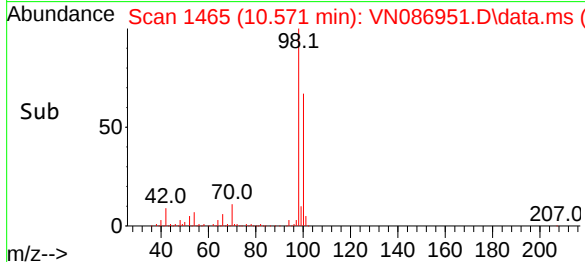
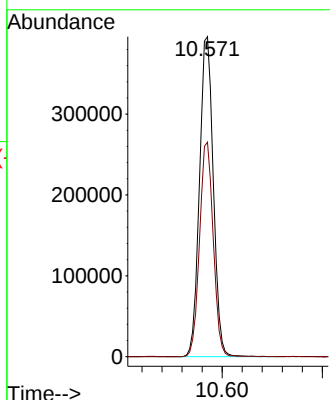
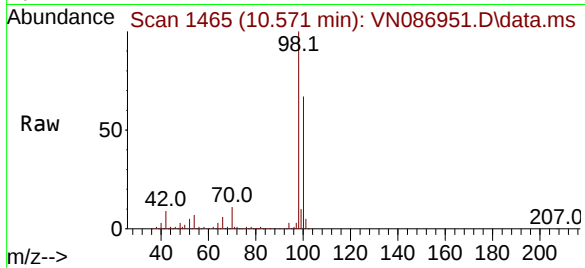




#50
Toluene-d8
Concen: 51.960 ug/l
RT: 10.571 min Scan# 1465
Delta R.T. -0.000 min
Lab File: VN086951.D
Acq: 11 Jun 2025 16:12

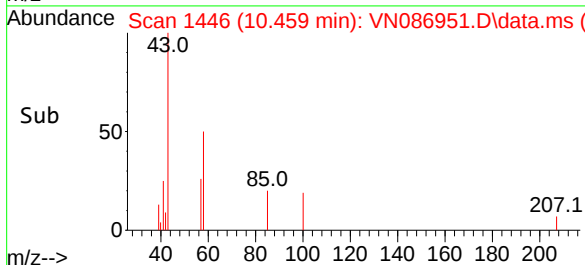
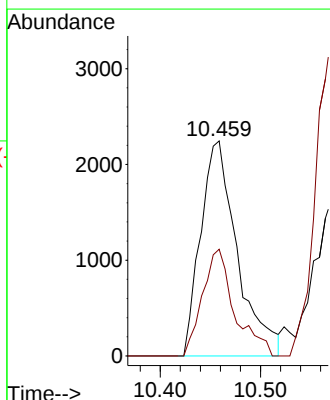
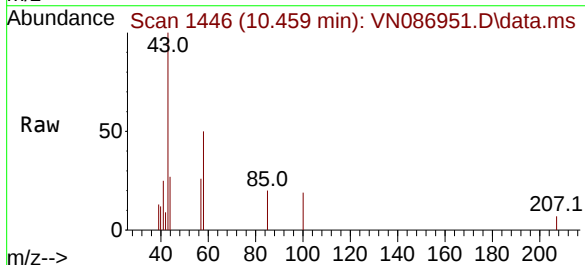
Instrument :
MSVOA_N
ClientSampleId :
MW-1A-20250603

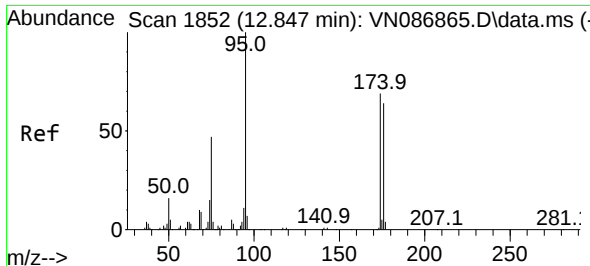
Tgt Ion: 98 Resp: 757581
Ion Ratio Lower Upper
98 100
100 66.3 53.4 80.0



#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

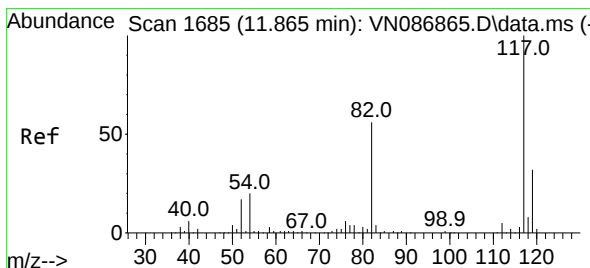
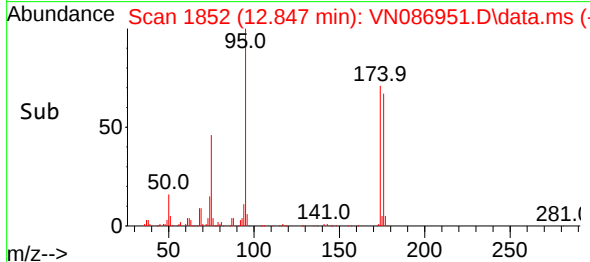
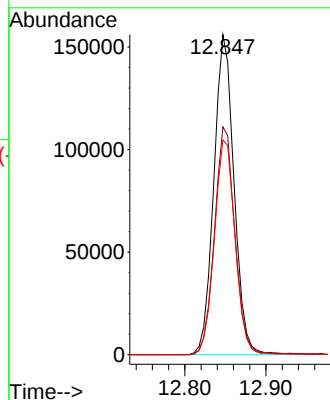
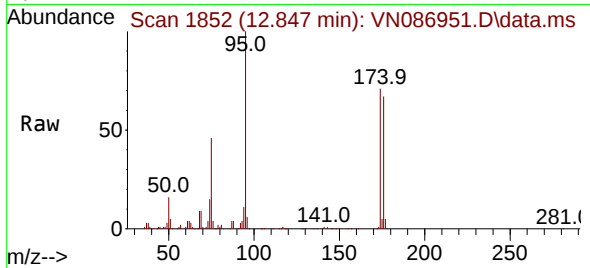




#62
4-Bromofluorobenzene
Concen: 49.754 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. -0.000 min
Lab File: VN086951.D
Acq: 11 Jun 2025 16:12

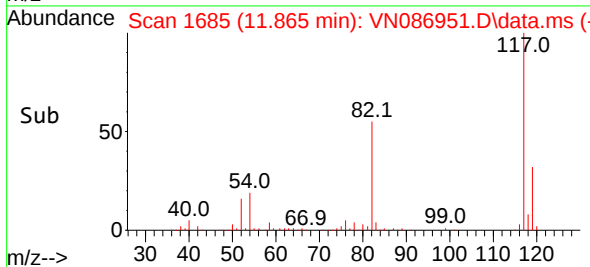
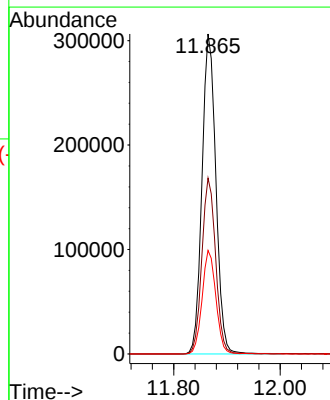
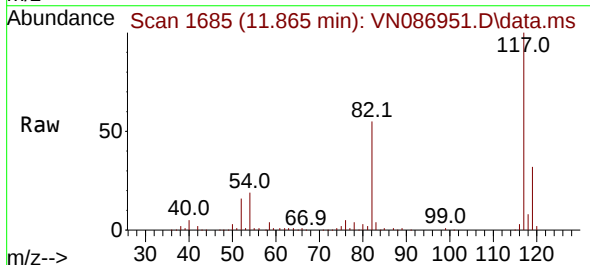
Instrument :
MSVOA_N
ClientSampleId :
MW-1A-20250603

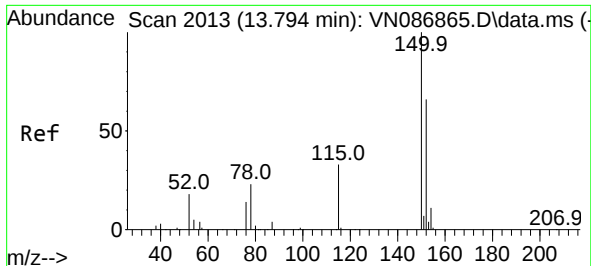
Tgt Ion: 95 Resp: 269513
Ion Ratio Lower Upper
95 100
174 72.4 0.0 141.8
176 69.2 0.0 132.6



#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

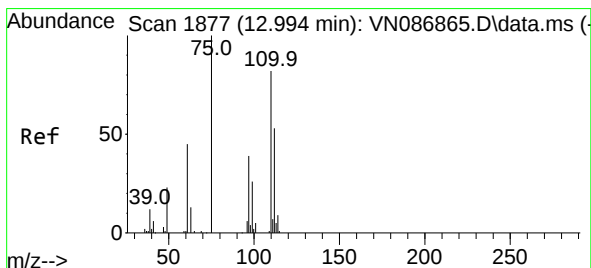
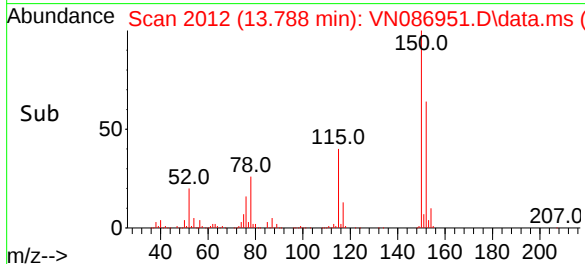
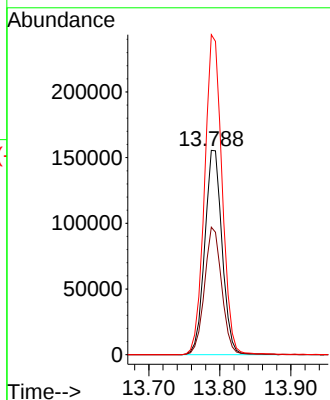
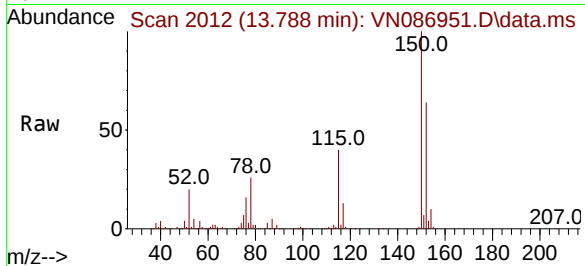




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.788 min Scan# 20
 Delta R.T. -0.006 min
 Lab File: VN086951.D
 Acq: 11 Jun 2025 16:12

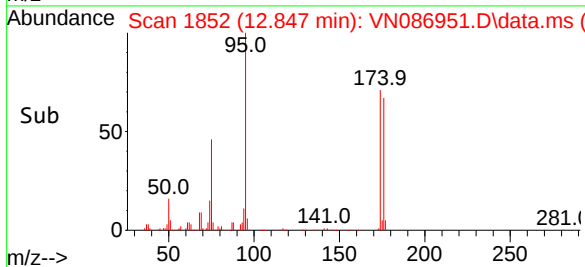
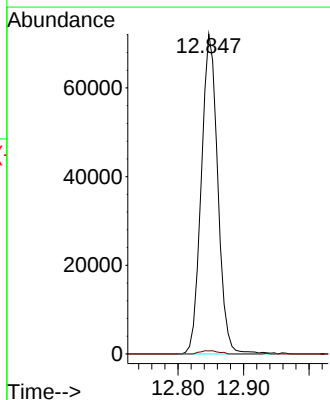
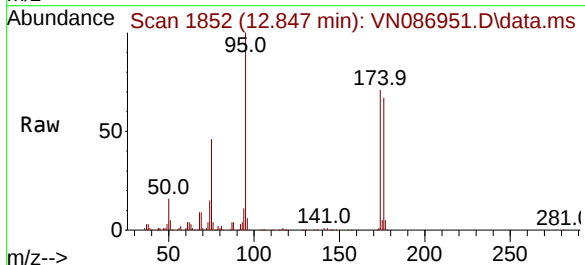
Instrument :
 MSVOA_N
 ClientSampleId :
 MW-1A-20250603

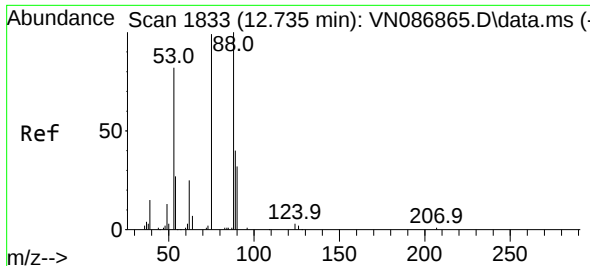
Tgt Ion:152 Resp: 263952
 Ion Ratio Lower Upper
 152 100
 115 62.1 30.1 90.5
 150 158.0 0.0 345.0



#76
 1,2,3-Trichloropropane
 Concen: 20.152 ug/l
 RT: 12.847 min Scan# 1852
 Delta R.T. -0.147 min
 Lab File: VN086951.D
 Acq: 11 Jun 2025 16:12

Tgt Ion: 75 Resp: 126440
 Ion Ratio Lower Upper
 75 100
 77 1.1 79.3 237.9#

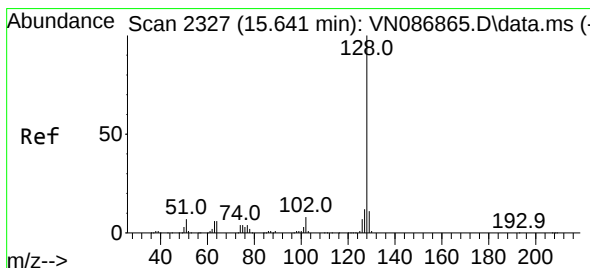
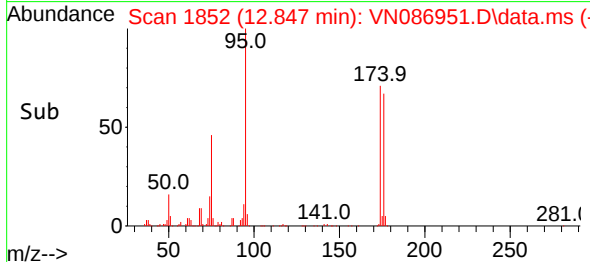
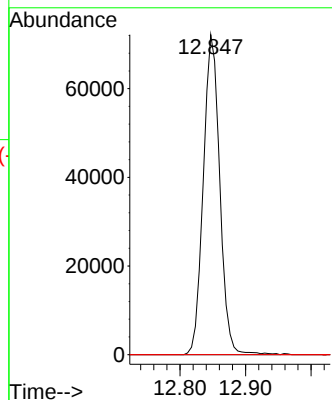
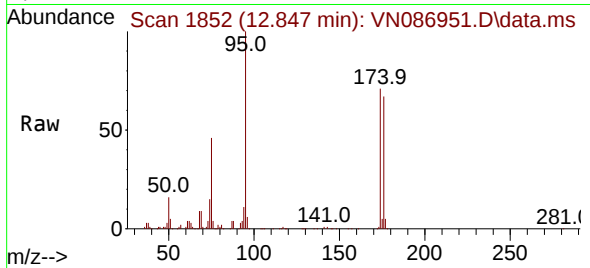




#81
 trans-1,4-Dichloro-2-butene
 Concen: 46.390 ug/l
 RT: 12.847 min Scan# 1852
 Delta R.T. 0.112 min
 Lab File: VN086951.D
 Acq: 11 Jun 2025 16:12

Instrument :
 MSVOA_N
 ClientSampleId :
 MW-1A-20250603

Tgt Ion: 75 Resp: 126440
 Ion Ratio Lower Upper
 75 100
 53 0.0 66.6 99.8#
 89 0.0 36.7 55.1#



#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

