

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN061125\
 Data File : VN086952.D
 Acq On : 11 Jun 2025 16:35
 Operator : JC\MD
 Sample : Q2202-04
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 MW-13D-20250603

Quant Time: Jun 12 01:35:20 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)

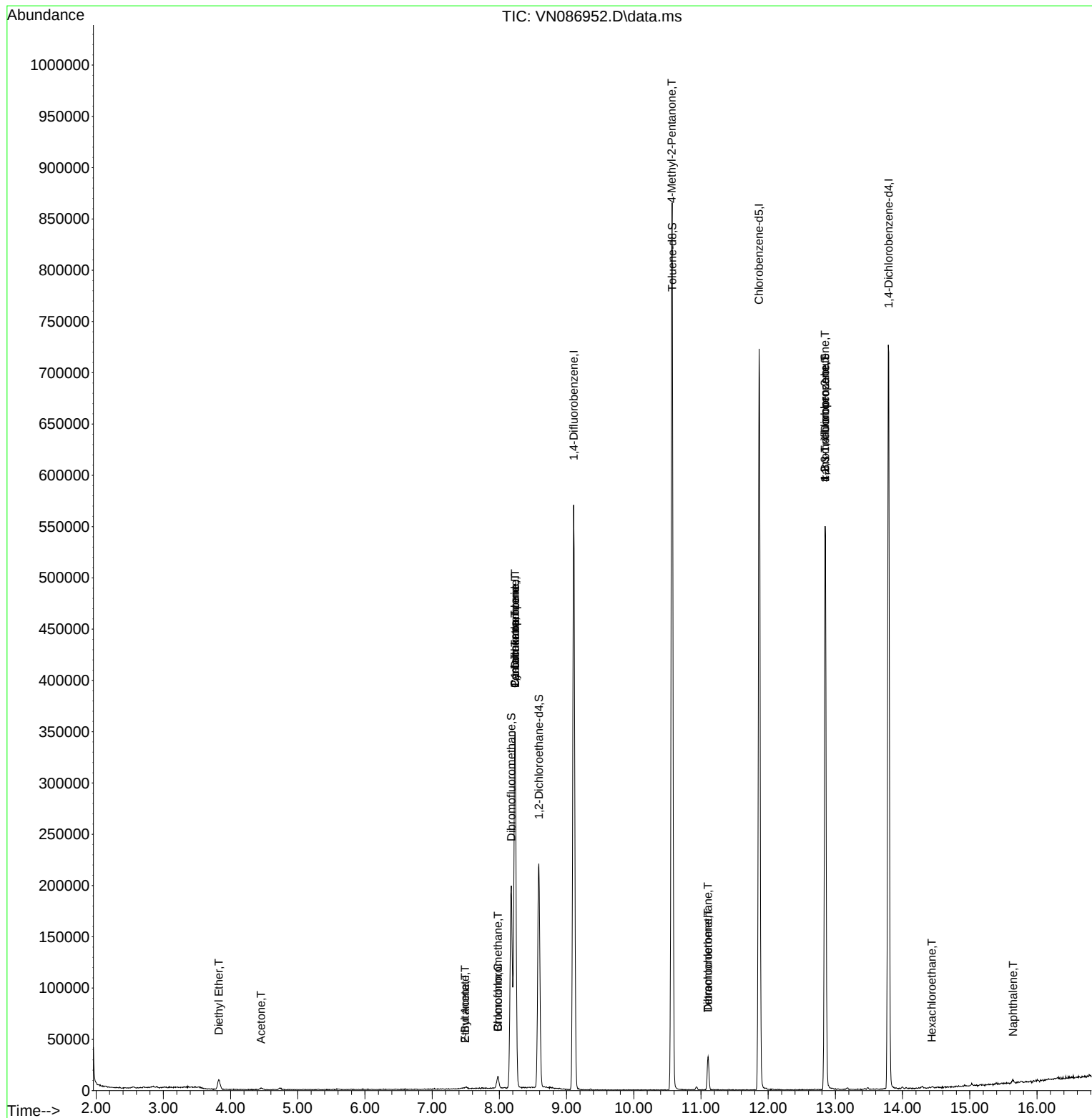
Internal Standards						
1) Pentafluorobenzene	8.235	168	281008	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.106	114	529071	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	457419	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.794	152	218595	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.588	65	181954	48.361	ug/l	0.00
Spiked Amount	50.000	Range 74 - 125	Recovery	=	96.720%	
35) Dibromofluoromethane	8.177	113	153628	48.998	ug/l	0.00
Spiked Amount	50.000	Range 75 - 124	Recovery	=	98.000%	
50) Toluene-d8	10.571	98	636565	51.285	ug/l	0.00
Spiked Amount	50.000	Range 86 - 113	Recovery	=	102.580%	
62) 4-Bromofluorobenzene	12.847	95	225261	48.848	ug/l	0.00
Spiked Amount	50.000	Range 77 - 121	Recovery	=	97.700%	
Target Compounds						
					Qvalue	
8) Diethyl Ether	3.824	74	897	0.422	ug/l #	46
16) Acetone	4.453	43	3062	1.535	ug/l #	86
25) 2-Butanone	7.488	43	2339	0.721	ug/l #	85
28) Bromochloromethane	7.977	49	784	0.253	ug/l #	13
30) Chloroform	7.977	83	12390	1.972	ug/l	96
31) Cyclohexane	8.230	56	5000	0.819	ug/l #	1
36) 1,1-Dichloropropene	8.235	75	21768	4.659	ug/l #	48
37) Ethyl Acetate	7.488	43	2339	0.393	ug/l #	69
38) Carbon Tetrachloride	8.235	117	26937	5.873	ug/l #	15
51) 4-Methyl-2-Pentanone	10.565	43	2292	0.399	ug/l #	1
60) Dibromochloromethane	11.106	129	7943	2.122	ug/l #	11
64) Tetrachloroethene	11.106	164	8172	2.823	ug/l	96
76) 1,2,3-Trichloropropane	12.847	75	103932	20.002	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.847	75	103932	46.044	ug/l #	16
90) Hexachloroethane	14.435	117	838	0.342	ug/l #	17
95) Naphthalene	15.647	128	4328	0.264	ug/l #	95

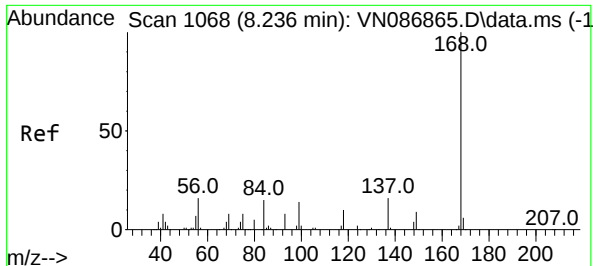
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
QLast Update : Sat Jun 07 02:12:50 2025
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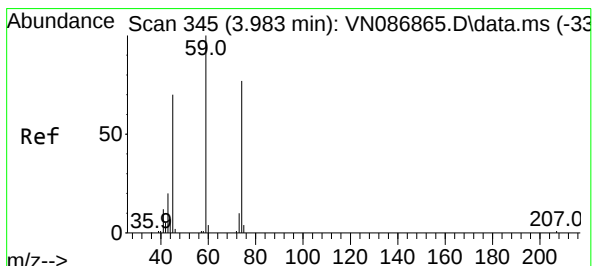
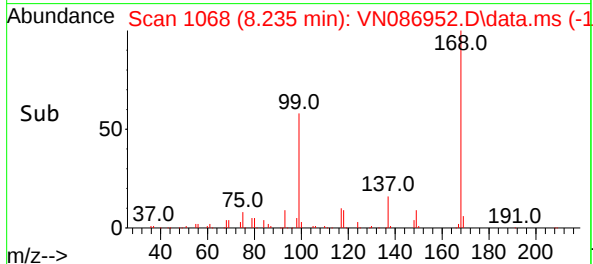
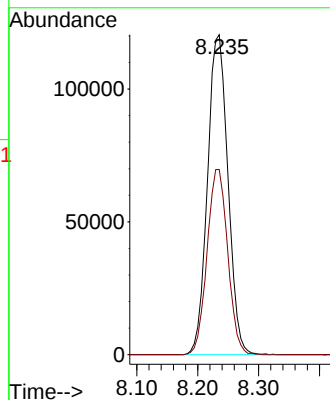
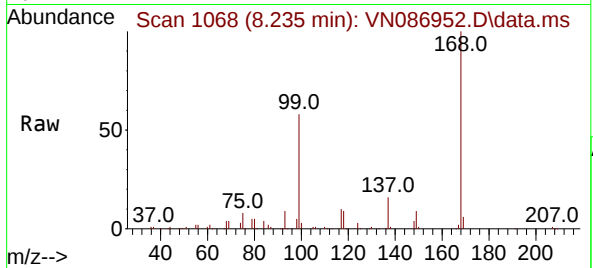




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.235 min Scan# 1068
Delta R.T. -0.001 min
Lab File: VN086952.D
Acq: 11 Jun 2025 16:35

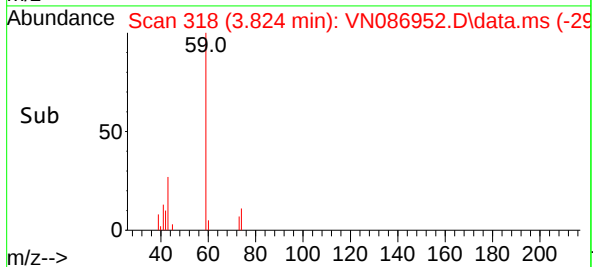
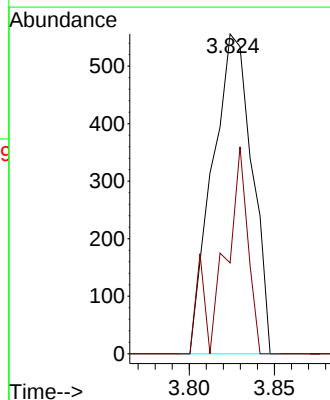
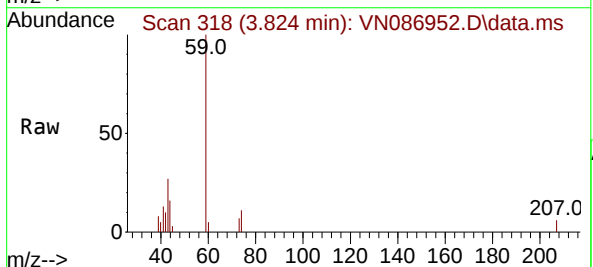
Instrument :
MSVOA_N
ClientSampleId :
MW-13D-20250603

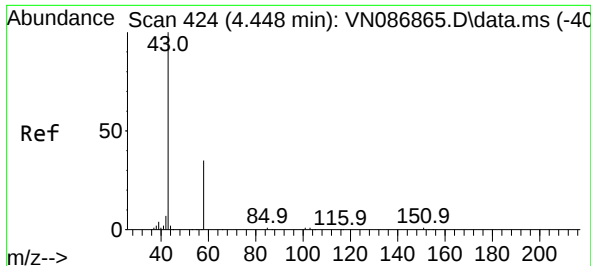
Tgt Ion:168 Resp: 281008
Ion Ratio Lower Upper
168 100
99 57.9 49.1 73.7



#8
Diethyl Ether
Concen: 0.422 ug/l
RT: 3.824 min Scan# 318
Delta R.T. -0.159 min
Lab File: VN086952.D
Acq: 11 Jun 2025 16:35

Tgt Ion: 74 Resp: 897
Ion Ratio Lower Upper
74 100
45 40.1 45.5 136.5#

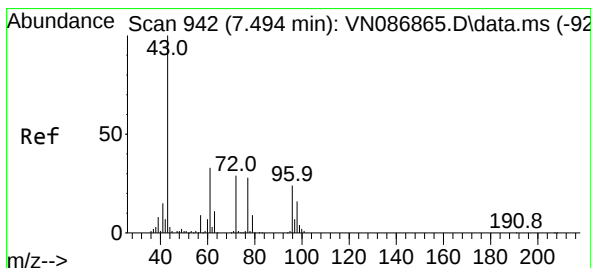
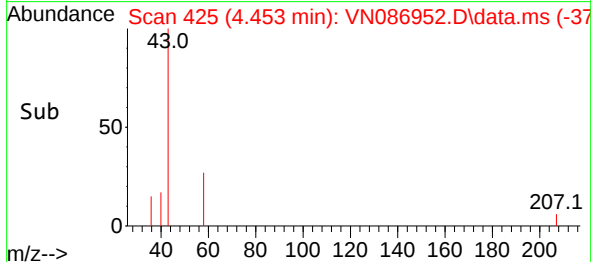
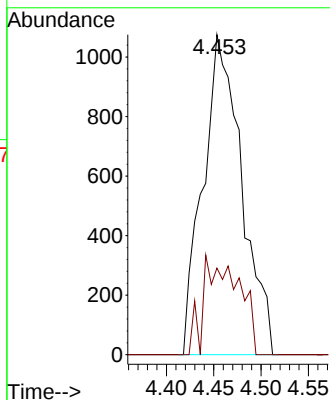
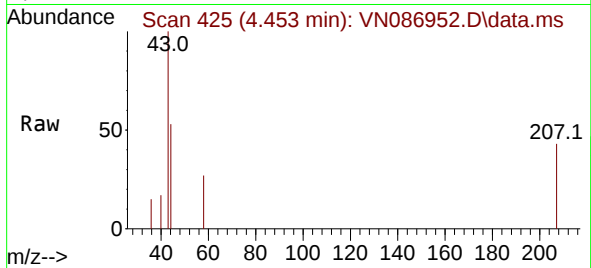




#16
Acetone
Concen: 1.535 ug/l
RT: 4.453 min Scan# 41
Delta R.T. 0.006 min
Lab File: VN086952.D
Acq: 11 Jun 2025 16:35

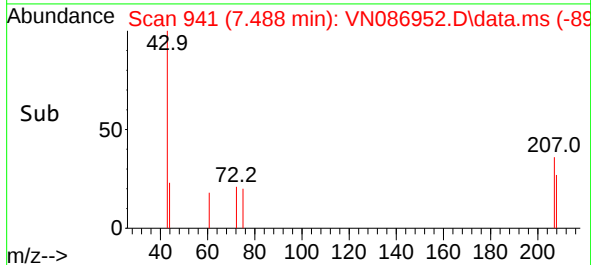
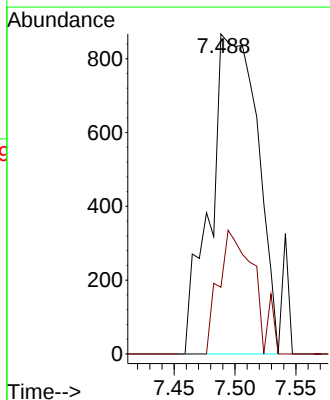
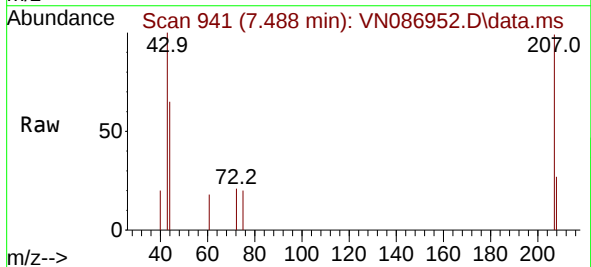
Instrument :
MSVOA_N
ClientSampleId :
MW-13D-20250603

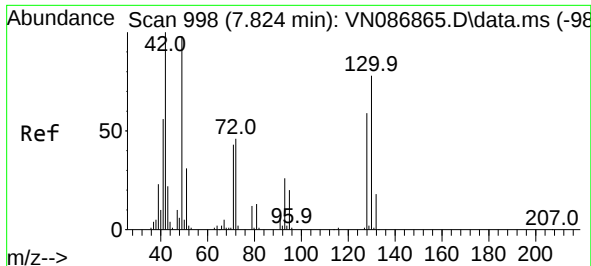
Tgt Ion: 43 Resp: 3062
Ion Ratio Lower Upper
43 100
58 27.1 28.0 42.0#



#25
2-Butanone
Concen: 0.721 ug/l
RT: 7.488 min Scan# 941
Delta R.T. -0.006 min
Lab File: VN086952.D
Acq: 11 Jun 2025 16:35

Tgt Ion: 43 Resp: 2339
Ion Ratio Lower Upper
43 100
72 20.9 23.0 34.6#

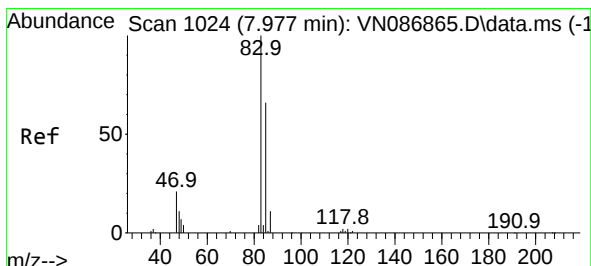
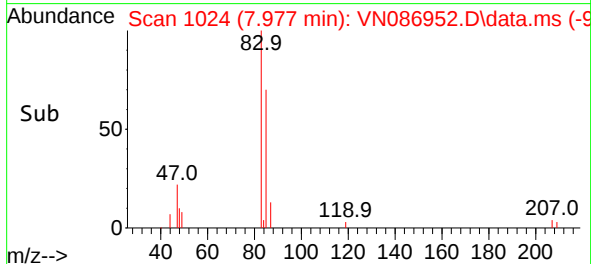
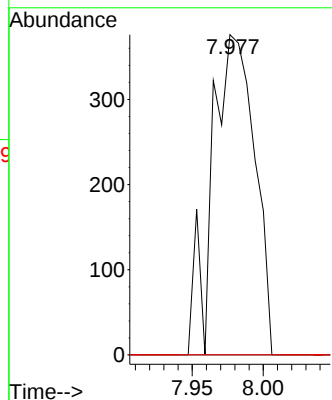
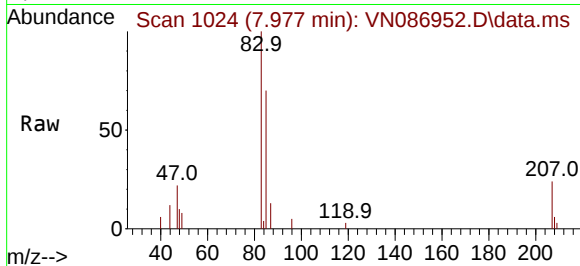




#28
Bromochloromethane
Concen: 0.253 ug/l
RT: 7.977 min Scan# 1024
Delta R.T. 0.153 min
Lab File: VN086952.D
Acq: 11 Jun 2025 16:35

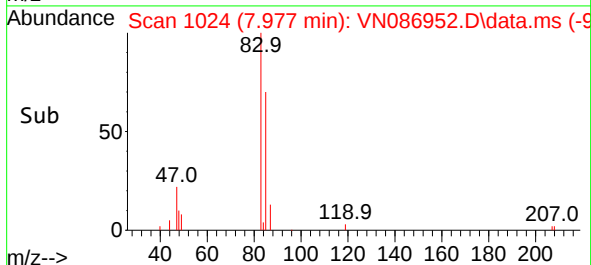
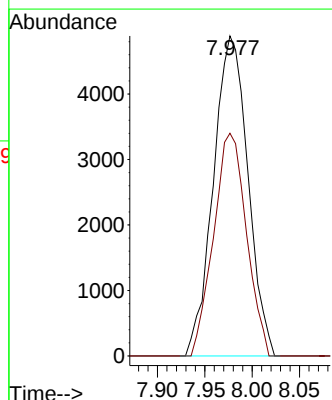
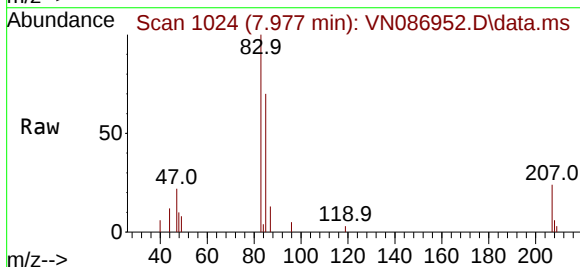
Instrument :
MSVOA_N
ClientSampleId :
MW-13D-20250603

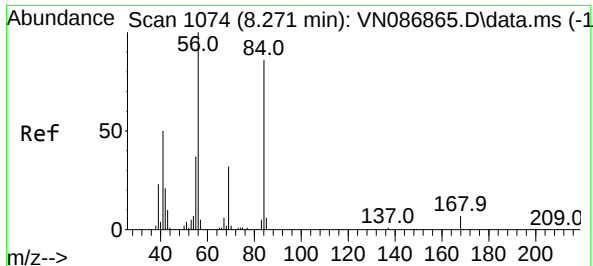
Tgt Ion: 49 Resp: 784
Ion Ratio Lower Upper
49 100
129 0.0 0.0 3.8
130 0.0 62.2 93.2#



#30
Chloroform
Concen: 1.972 ug/l
RT: 7.977 min Scan# 1024
Delta R.T. -0.000 min
Lab File: VN086952.D
Acq: 11 Jun 2025 16:35

Tgt Ion: 83 Resp: 12390
Ion Ratio Lower Upper
83 100
85 69.6 52.9 79.3

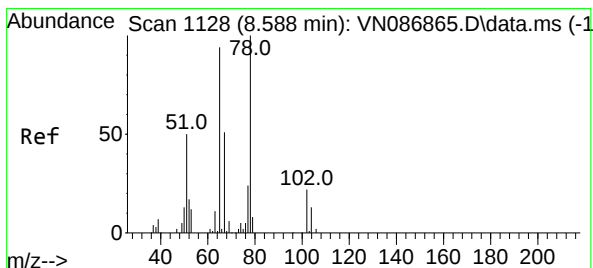
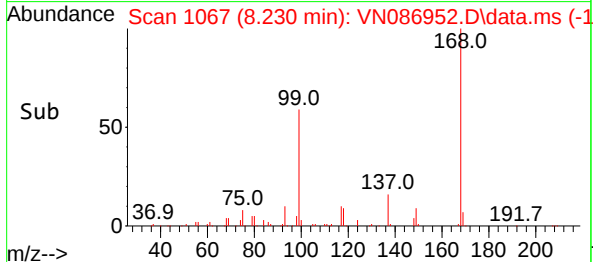
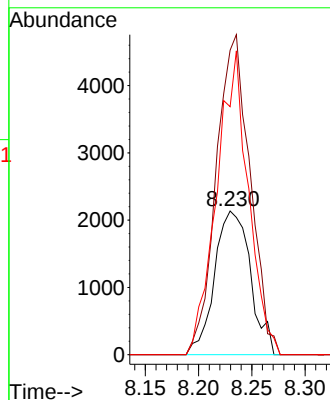
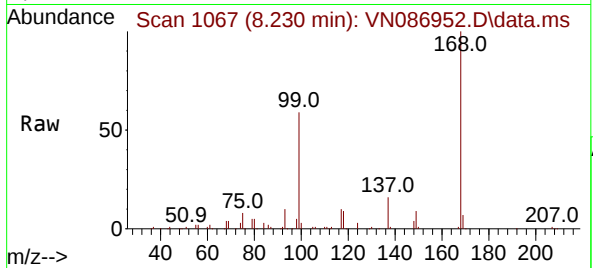




#31
Cyclohexane
Concen: 0.819 ug/l
RT: 8.230 min Scan# 1067
Delta R.T. -0.041 min
Lab File: VN086952.D
Acq: 11 Jun 2025 16:35

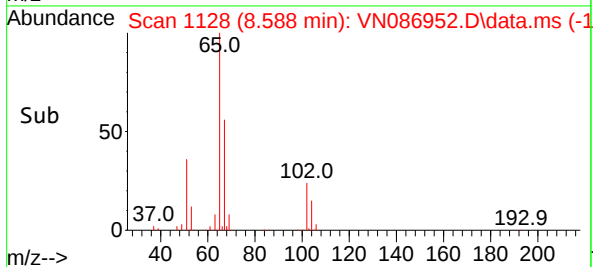
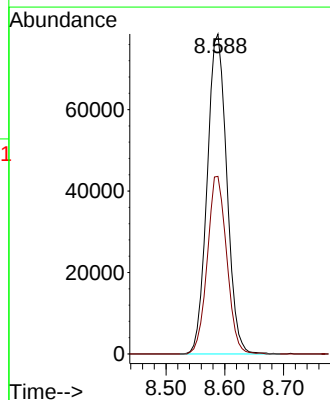
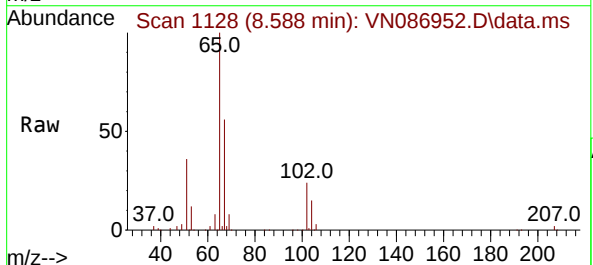
Instrument :
MSVOA_N
ClientSampleId :
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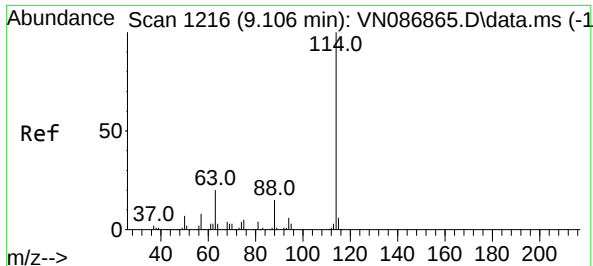
Tgt Ion: 56 Resp: 5000
Ion Ratio Lower Upper
56 100
69 212.0 25.4 38.0#
84 172.6 68.8 103.2#



#33
1,2-Dichloroethane-d4
Concen: 48.361 ug/l
RT: 8.588 min Scan# 1128
Delta R.T. -0.000 min
Lab File: VN086952.D
Acq: 11 Jun 2025 16:35

Tgt Ion: 65 Resp: 181954
Ion Ratio Lower Upper
65 100
67 54.9 0.0 105.6





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 9.106 min Scan# 1

Delta R.T. -0.000 min

Lab File: VN086952.D

Acq: 11 Jun 2025 16:35

Instrument :

MSVOA_N

ClientSampleId :

MW-13D-20250603

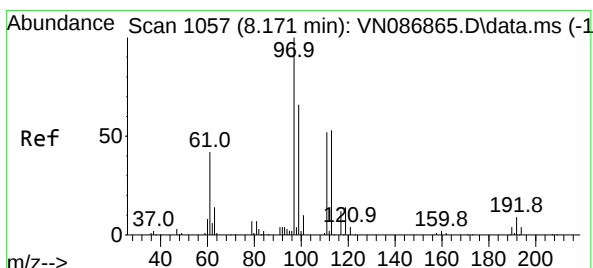
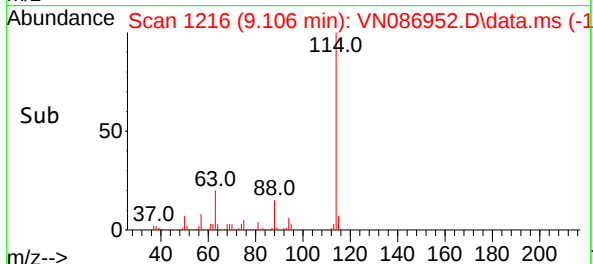
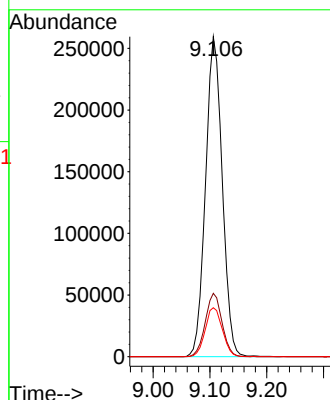
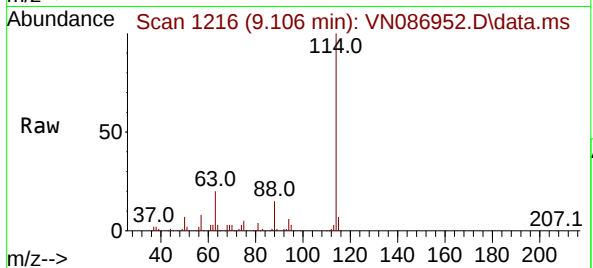
Tgt Ion:114 Resp: 529071

Ion Ratio Lower Upper

114 100

63 19.8 0.0 39.6

88 15.3 0.0 30.2



#35

Dibromofluoromethane

Concen: 48.998 ug/l

RT: 8.177 min Scan# 1058

Delta R.T. 0.006 min

Lab File: VN086952.D

Acq: 11 Jun 2025 16:35

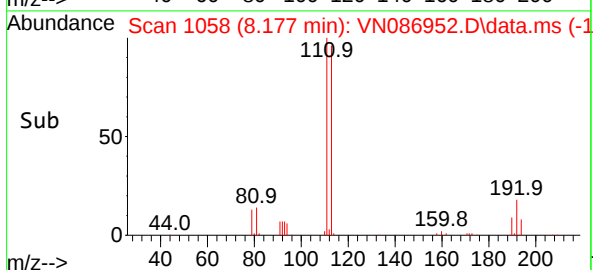
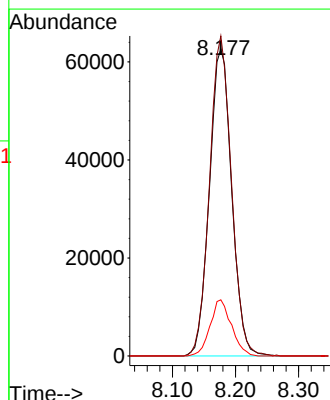
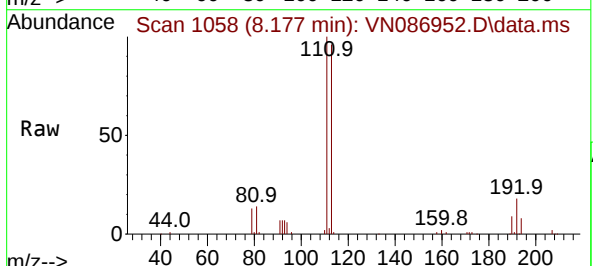
Tgt Ion:113 Resp: 153628

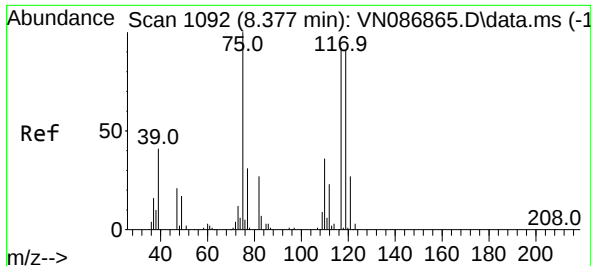
Ion Ratio Lower Upper

113 100

111 102.2 84.2 126.2

192 17.5 14.2 21.4

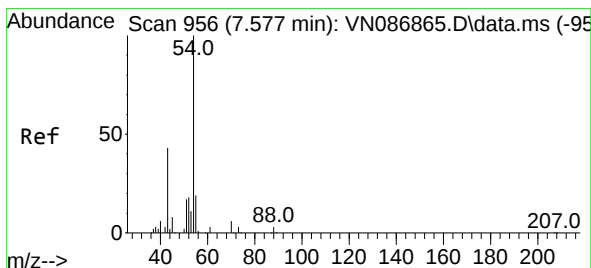
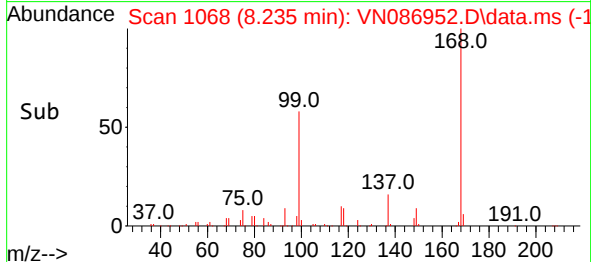
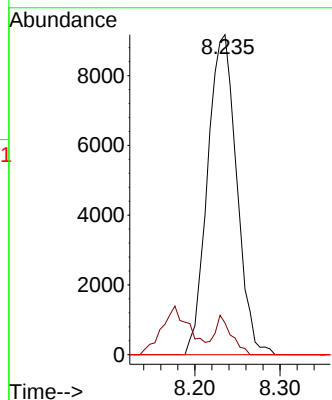
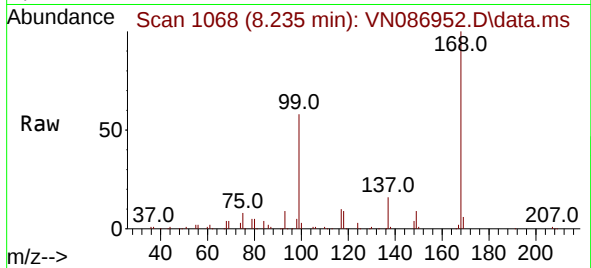




#36
1,1-Dichloropropene
Concen: 4.659 ug/l
RT: 8.235 min Scan# 1068
Delta R.T. -0.141 min
Lab File: VN086952.D
Acq: 11 Jun 2025 16:35

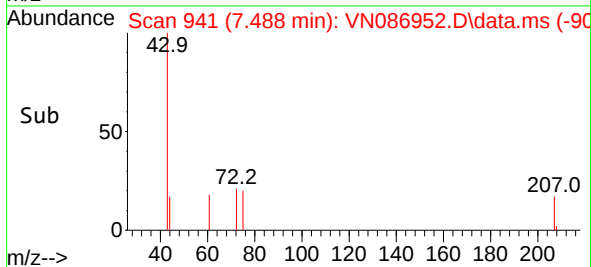
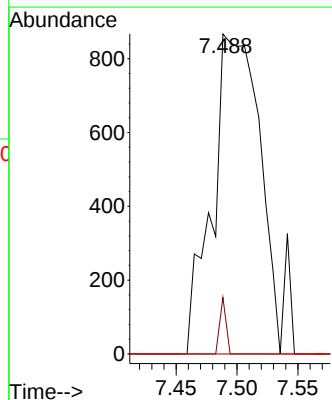
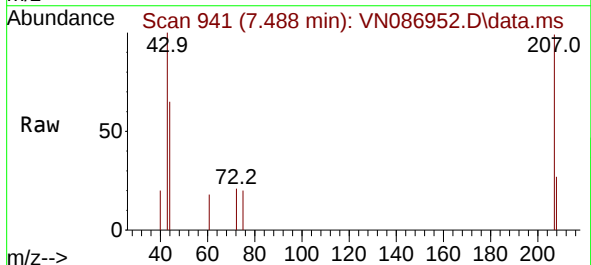
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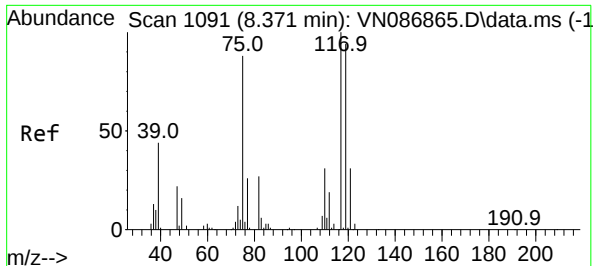
Tgt Ion: 75 Resp: 21768
Ion Ratio Lower Upper
75 100
110 7.2 17.6 52.9#
77 0.0 25.3 37.9#



#37
Ethyl Acetate
Concen: 0.393 ug/l
RT: 7.488 min Scan# 941
Delta R.T. -0.088 min
Lab File: VN086952.D
Acq: 11 Jun 2025 16:35

Tgt Ion: 43 Resp: 2339
Ion Ratio Lower Upper
43 100
61 2.3 12.1 18.1#
70 0.0 9.8 14.6#

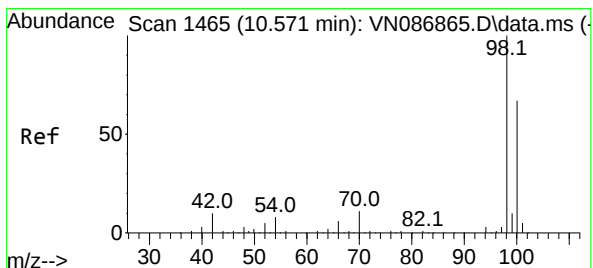
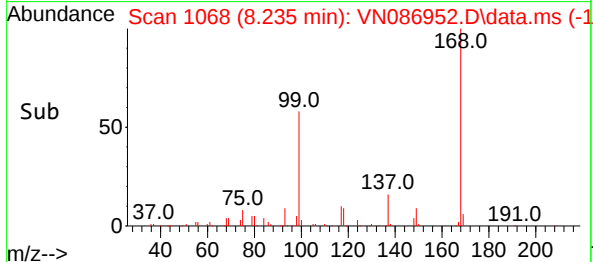
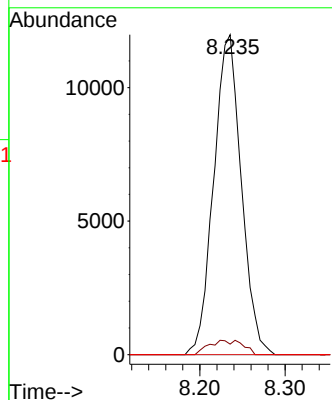
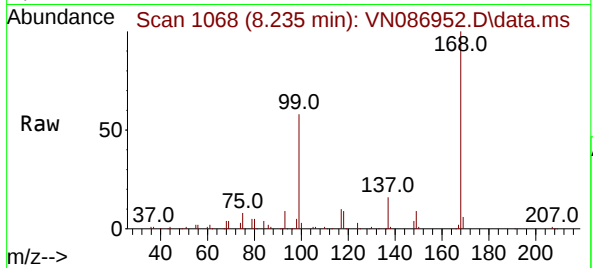




#38
Carbon Tetrachloride
Concen: 5.873 ug/l
RT: 8.235 min Scan# 1068
Delta R.T. -0.135 min
Lab File: VN086952.D
Acq: 11 Jun 2025 16:35

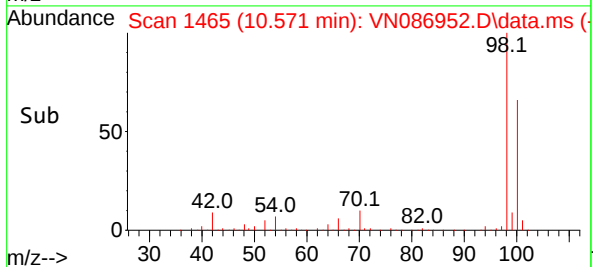
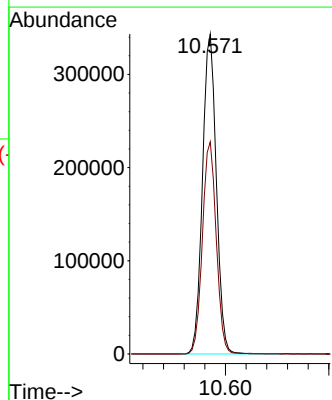
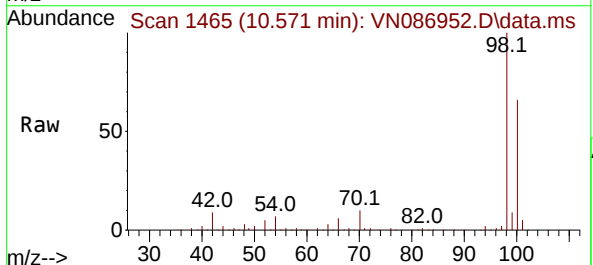
Instrument :
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ClientSampleId :
MW-13D-20250603

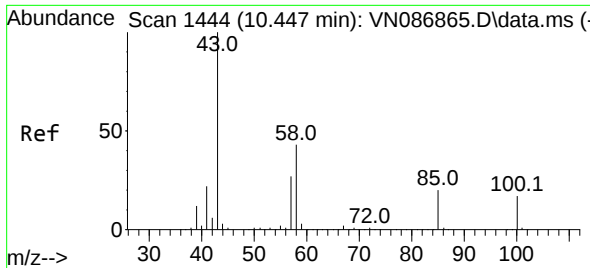
Tgt Ion:117 Resp: 26937
Ion Ratio Lower Upper
117 100
119 3.3 75.0 112.6#
121 0.0 24.9 37.3#



#50
Toluene-d8
Concen: 51.285 ug/l
RT: 10.571 min Scan# 1465
Delta R.T. -0.000 min
Lab File: VN086952.D
Acq: 11 Jun 2025 16:35

Tgt Ion: 98 Resp: 636565
Ion Ratio Lower Upper
98 100
100 66.3 53.4 80.0

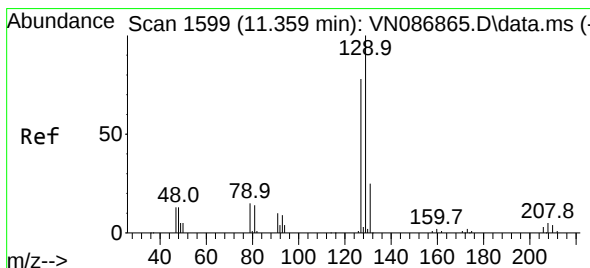
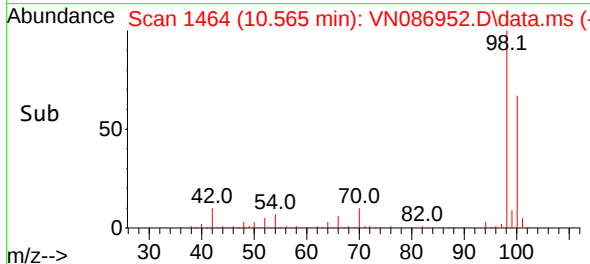
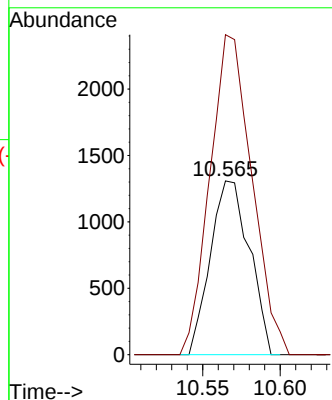
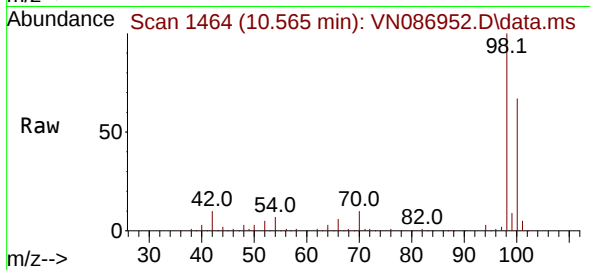




#51
4-Methyl-2-Pentanone
Concen: 0.399 ug/l
RT: 10.565 min Scan# 14
Delta R.T. 0.117 min
Lab File: VN086952.D
Acq: 11 Jun 2025 16:35

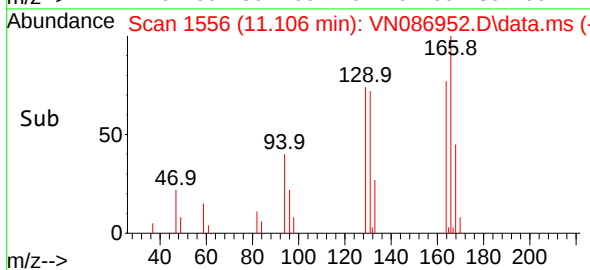
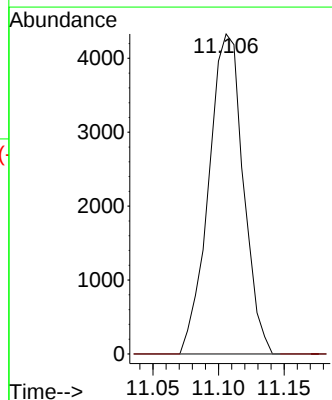
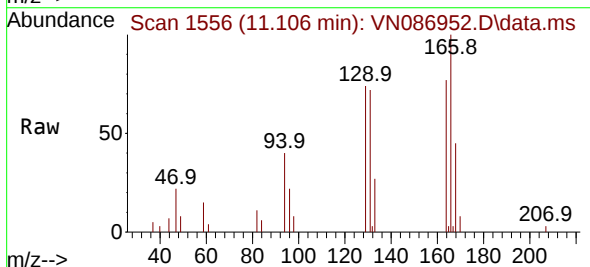
Instrument :
MSVOA_N
ClientSampleId :
MW-13D-20250603

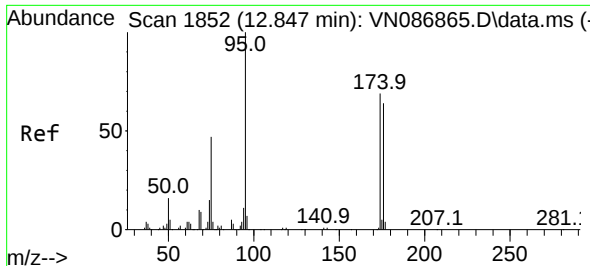
Tgt Ion: 43 Resp: 2292
Ion Ratio Lower Upper
43 100
58 197.9 34.2 51.4#



#60
Dibromochloromethane
Concen: 2.122 ug/l
RT: 11.106 min Scan# 1556
Delta R.T. -0.253 min
Lab File: VN086952.D
Acq: 11 Jun 2025 16:35

Tgt Ion: 129 Resp: 7943
Ion Ratio Lower Upper
129 100
127 0.0 38.6 115.8#

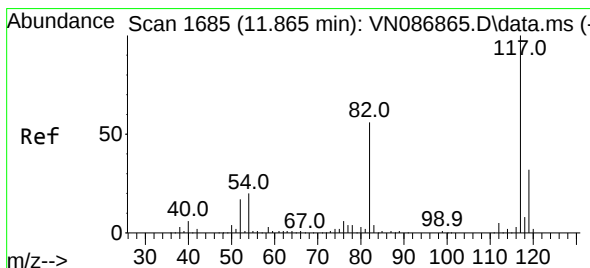
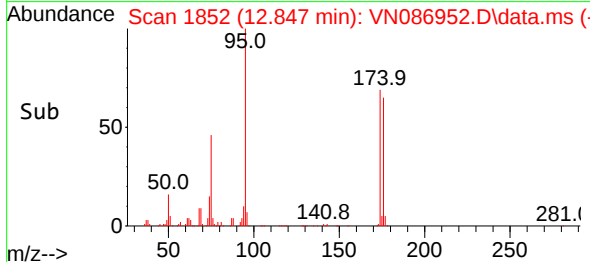
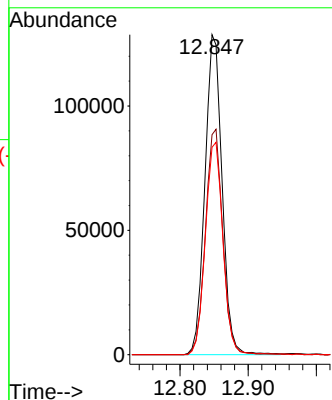
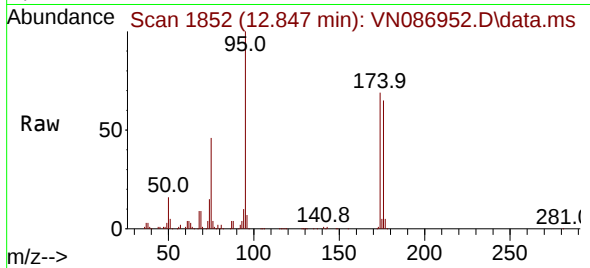




#62
4-Bromofluorobenzene
Concen: 48.848 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. -0.000 min
Lab File: VN086952.D
Acq: 11 Jun 2025 16:35

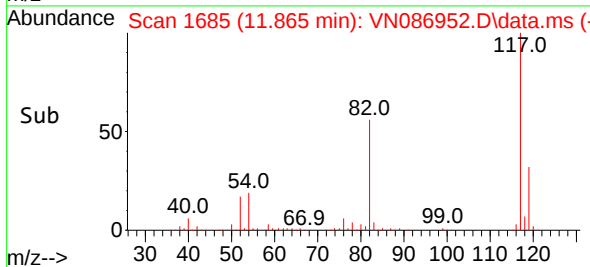
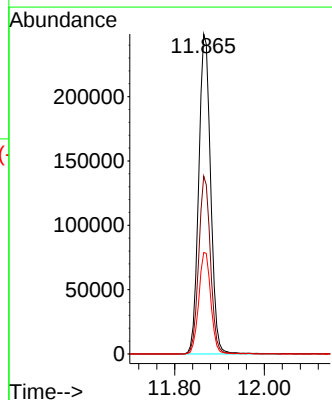
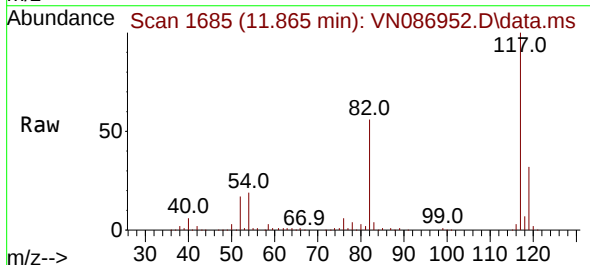
Instrument :
MSVOA_N
ClientSampleId :
MW-13D-20250603

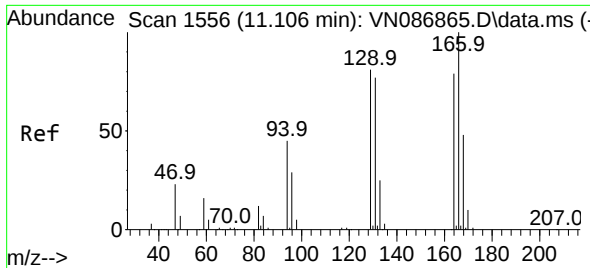
Tgt Ion: 95 Resp: 225261
Ion Ratio Lower Upper
95 100
174 71.0 0.0 141.8
176 68.2 0.0 132.6



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.865 min Scan# 1685
Delta R.T. -0.000 min
Lab File: VN086952.D
Acq: 11 Jun 2025 16:35

Tgt Ion: 117 Resp: 457419
Ion Ratio Lower Upper
117 100
82 55.6 44.6 67.0
119 31.7 25.5 38.3



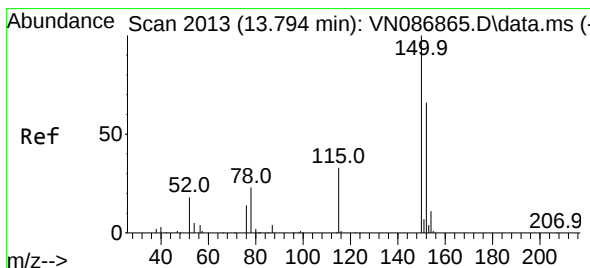
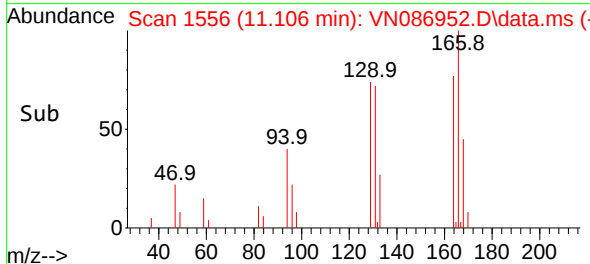
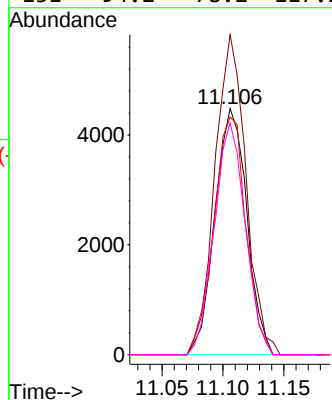
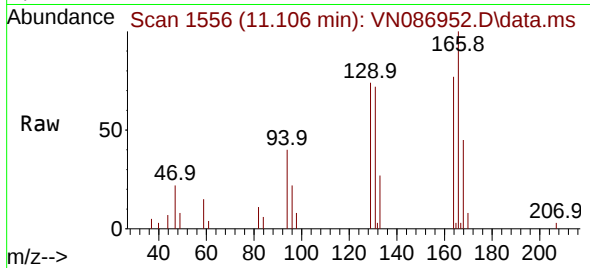


#64
Tetrachloroethene
Concen: 2.823 ug/l
RT: 11.106 min Scan# 11
Delta R.T. -0.000 min
Lab File: VN086952.D
Acq: 11 Jun 2025 16:35

Instrument :
MSVOA_N
ClientSampleId :
MW-13D-20250603

Tgt Ion:164 Resp: 8172

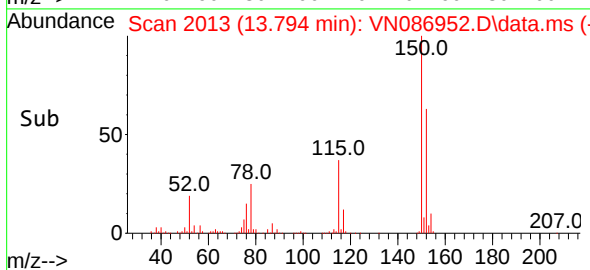
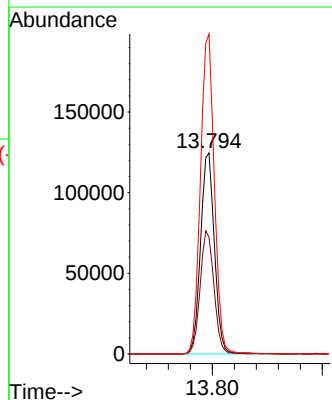
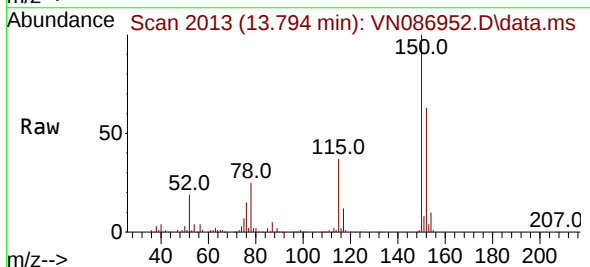
Ion	Ratio	Lower	Upper
164	100		
166	130.1	101.8	152.8
129	96.7	83.0	124.4
131	94.2	78.2	117.2

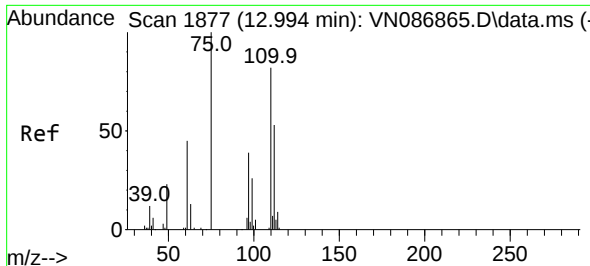


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.794 min Scan# 2013
Delta R.T. -0.000 min
Lab File: VN086952.D
Acq: 11 Jun 2025 16:35

Tgt Ion:152 Resp: 218595

Ion	Ratio	Lower	Upper
152	100		
115	61.0	30.1	90.5
150	159.4	0.0	345.0

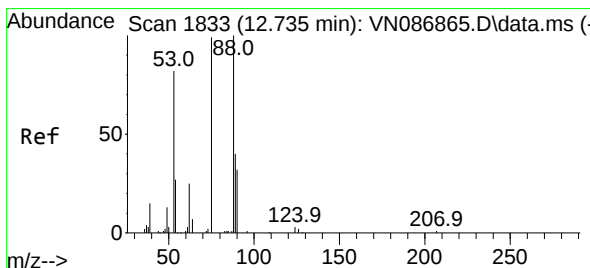
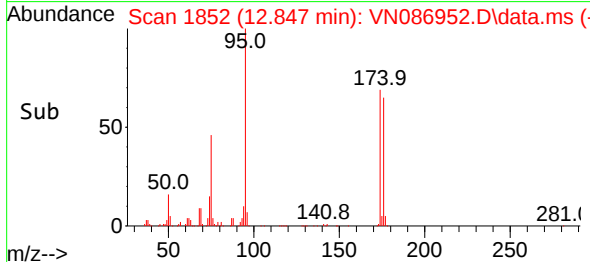
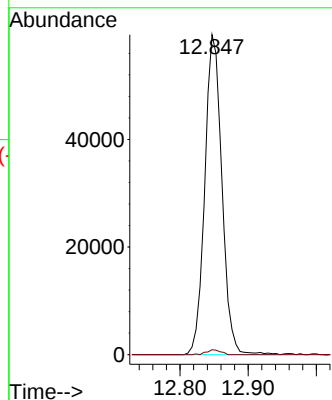
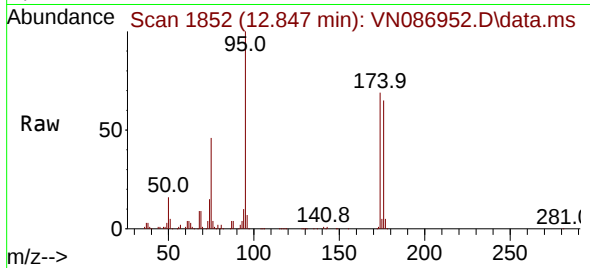




#76
1,2,3-Trichloropropane
Concen: 20.002 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. -0.147 min
Lab File: VN086952.D
Acq: 11 Jun 2025 16:35

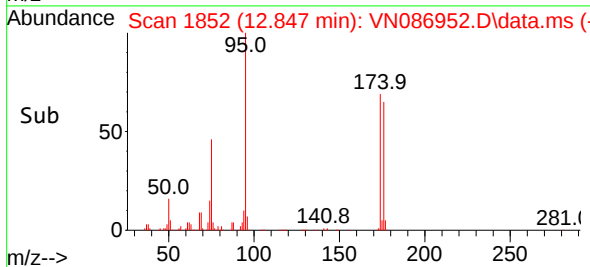
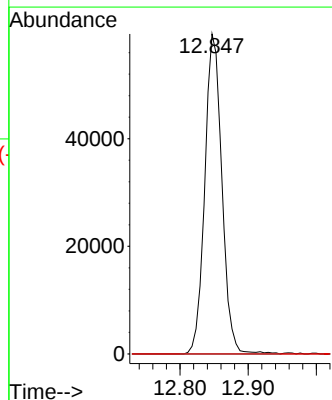
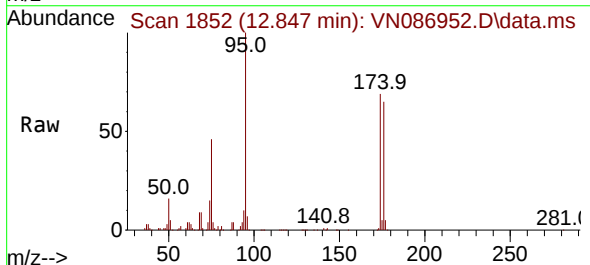
Instrument :
MSVOA_N
ClientSampleId :
MW-13D-20250603

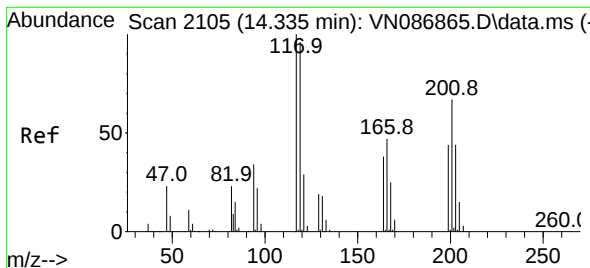
Tgt Ion: 75 Resp: 103932
Ion Ratio Lower Upper
75 100
77 1.3 79.3 237.9#



#81
trans-1,4-Dichloro-2-butene
Concen: 46.044 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. 0.112 min
Lab File: VN086952.D
Acq: 11 Jun 2025 16:35

Tgt Ion: 75 Resp: 103932
Ion Ratio Lower Upper
75 100
53 0.0 66.6 99.8#
89 0.0 36.7 55.1#





#90

Hexachloroethane

Concen: 0.342 ug/l

RT: 14.435 min Scan# 2105

Delta R.T. 0.100 min

Lab File: VN086952.D

Acq: 11 Jun 2025 16:35

Instrument :

MSVOA_N

ClientSampleId :

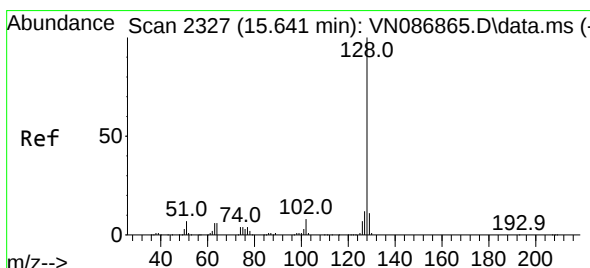
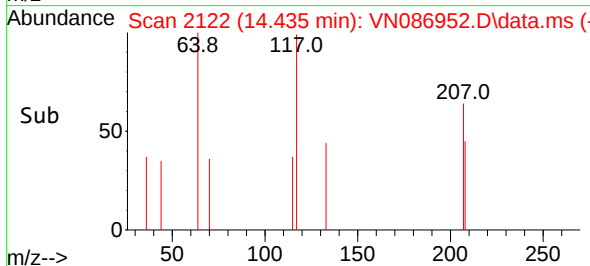
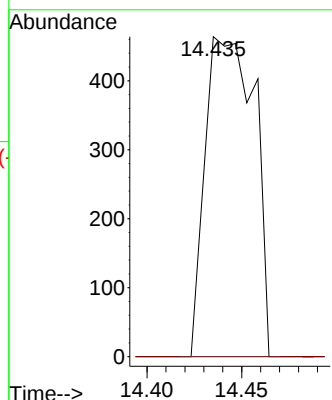
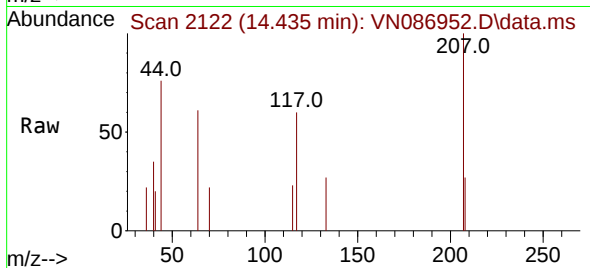
MW-13D-20250603

Tgt Ion:117 Resp: 838

Ion Ratio Lower Upper

117 100

201 0.0 33.2 99.6#



#95

Naphthalene

Concen: 0.264 ug/l

RT: 15.647 min Scan# 2328

Delta R.T. 0.006 min

Lab File: VN086952.D

Acq: 11 Jun 2025 16:35

Tgt Ion:128 Resp: 4328

Ion Ratio Lower Upper

128 100

127 9.2 10.2 15.2#

129 11.6 8.8 13.2

