

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN061125\
 Data File : VN086953.D
 Acq On : 11 Jun 2025 16:57
 Operator : JC\MD
 Sample : Q2231-01
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 MW-10D-20250604

Quant Time: Jun 12 01:36:08 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)

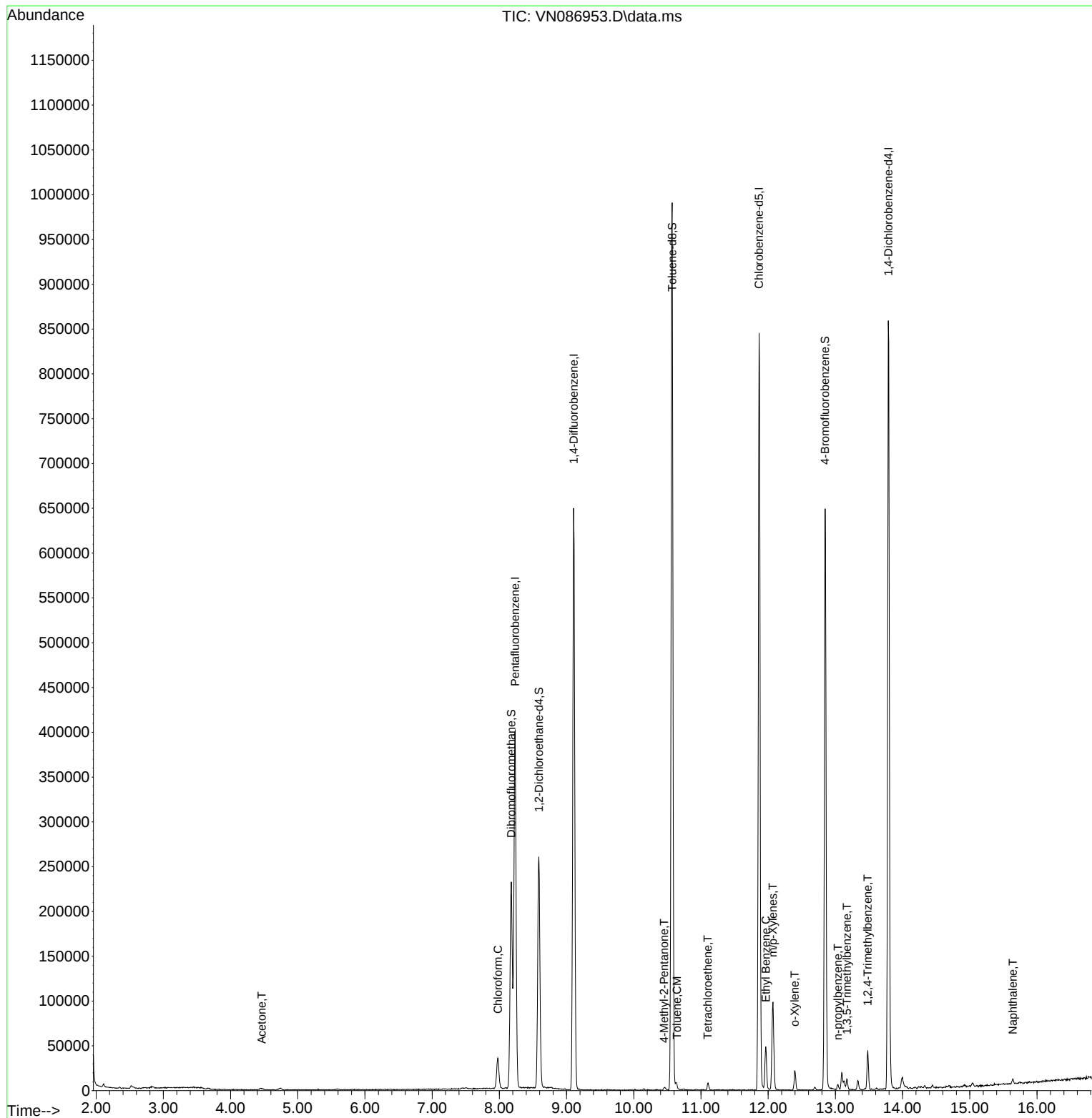
Internal Standards						
1) Pentafluorobenzene	8.235	168	314124	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.106	114	594896	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	533609	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.788	152	254824	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.588	65	212002	50.407	ug/l	0.00
Spiked Amount	50.000	Range 74 - 125	Recovery	= 100.820%		
35) Dibromofluoromethane	8.177	113	177756	50.420	ug/l	0.00
Spiked Amount	50.000	Range 75 - 124	Recovery	= 100.840%		
50) Toluene-d8	10.571	98	736237	52.752	ug/l	0.00
Spiked Amount	50.000	Range 86 - 113	Recovery	= 105.500%		
62) 4-Bromofluorobenzene	12.847	95	260994	50.334	ug/l	0.00
Spiked Amount	50.000	Range 77 - 121	Recovery	= 100.660%		
Target Compounds						
						Qvalue
16) Acetone	4.465	43	3728	1.671	ug/l	93
30) Chloroform	7.977	83	35165	5.006	ug/l	97
51) 4-Methyl-2-Pentanone	10.453	43	2559	0.396	ug/l	98
52) Toluene	10.641	92	3302	0.315	ug/l	99
64) Tetrachloroethene	11.100	164	1864	0.552	ug/l #	75
67) Ethyl Benzene	11.965	91	38747	1.911	ug/l	98
68) m/p-Xylenes	12.070	106	35558	4.582	ug/l	99
69) o-Xylene	12.394	106	6869	0.924	ug/l	94
78) n-propylbenzene	13.035	91	5595	0.248	ug/l	99
80) 1,3,5-Trimethylbenzene	13.170	105	6564	0.428	ug/l	99
84) 1,2,4-Trimethylbenzene	13.482	105	25253	1.643	ug/l	98
95) Naphthalene	15.641	128	6226	0.325	ug/l	100

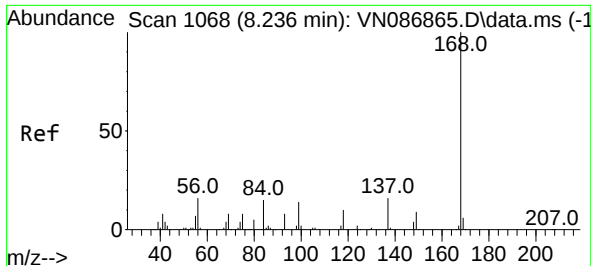
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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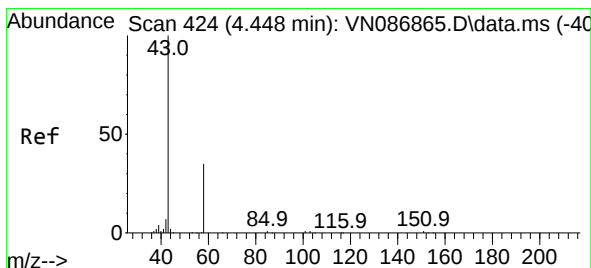
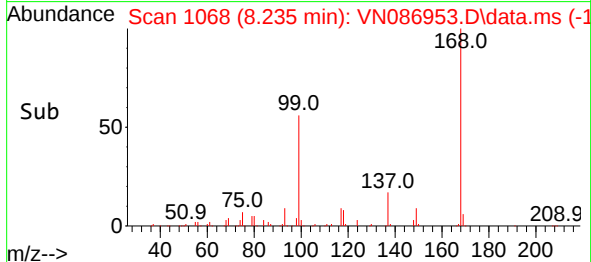
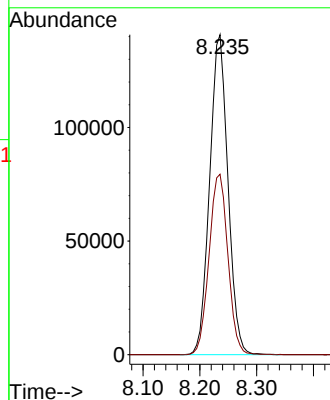
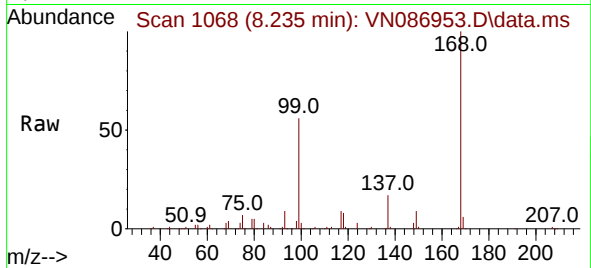




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.235 min Scan# 1068
Delta R.T. -0.001 min
Lab File: VN086953.D
Acq: 11 Jun 2025 16:57

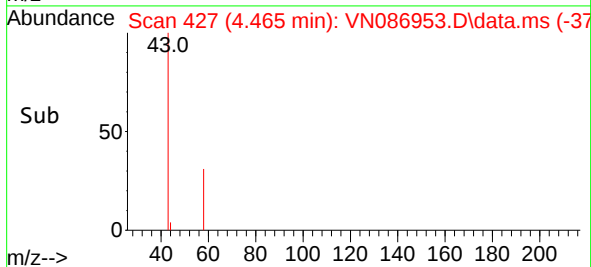
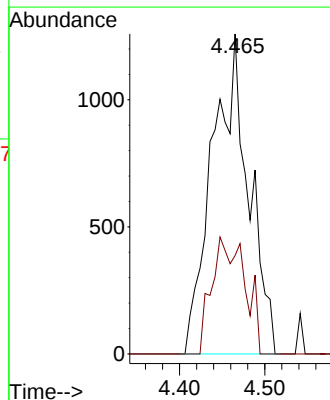
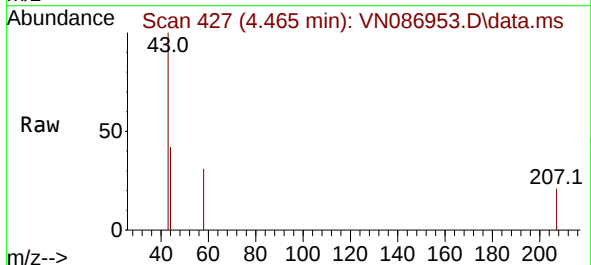
Instrument :
MSVOA_N
ClientSampleId :
MW-10D-20250604

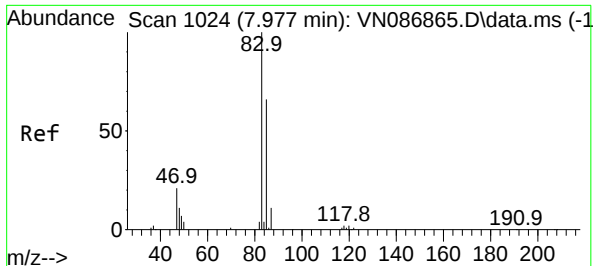
Tgt Ion:168 Resp: 314124
Ion Ratio Lower Upper
168 100
99 56.4 49.1 73.7



#16
Acetone
Concen: 1.671 ug/l
RT: 4.465 min Scan# 427
Delta R.T. 0.017 min
Lab File: VN086953.D
Acq: 11 Jun 2025 16:57

Tgt Ion: 43 Resp: 3728
Ion Ratio Lower Upper
43 100
58 30.7 28.0 42.0





#30

Chloroform

Concen: 5.006 ug/l

RT: 7.977 min Scan# 1024

Delta R.T. -0.000 min

Lab File: VN086953.D

Acq: 11 Jun 2025 16:57

Instrument :

MSVOA_N

ClientSampleId :

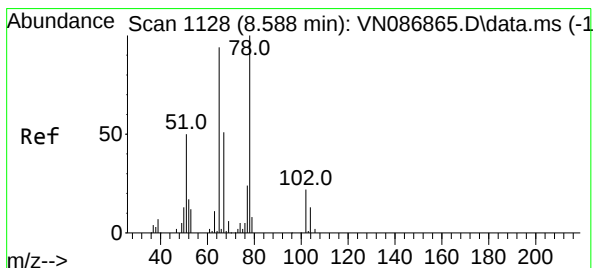
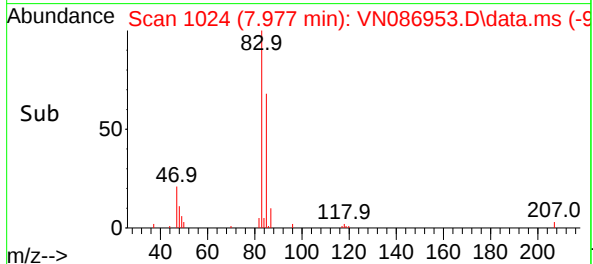
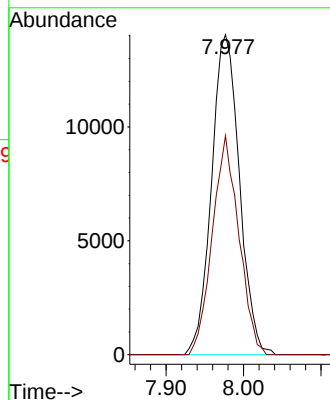
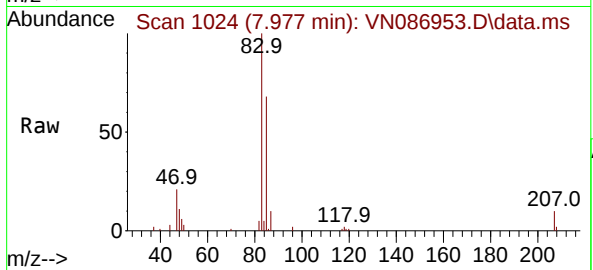
MW-10D-20250604

Tgt Ion: 83 Resp: 35165

Ion Ratio Lower Upper

83 100

85 68.5 52.9 79.3



#33

1,2-Dichloroethane-d4

Concen: 50.407 ug/l

RT: 8.588 min Scan# 1128

Delta R.T. -0.000 min

Lab File: VN086953.D

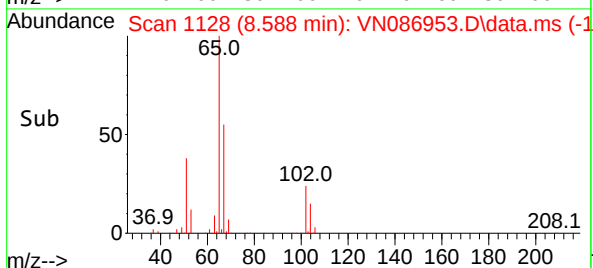
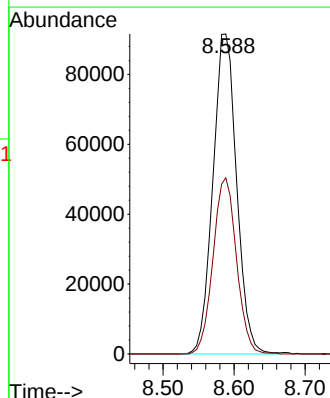
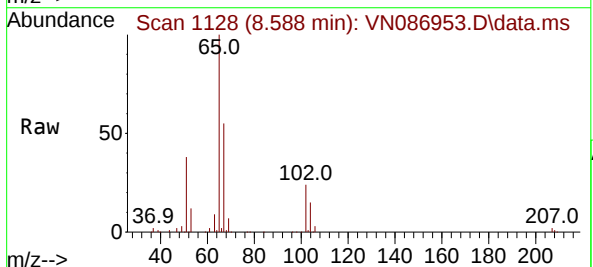
Acq: 11 Jun 2025 16:57

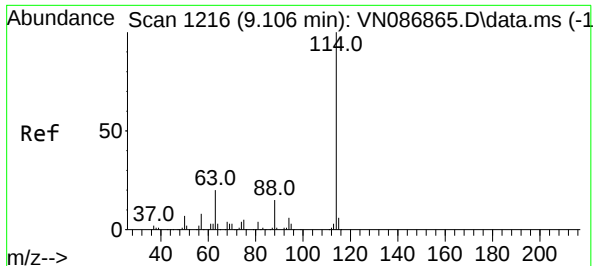
Tgt Ion: 65 Resp: 212002

Ion Ratio Lower Upper

65 100

67 54.4 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: VN086953.D

Acq: 11 Jun 2025 16:57

Instrument :

MSVOA_N

ClientSampleId :

MW-10D-20250604

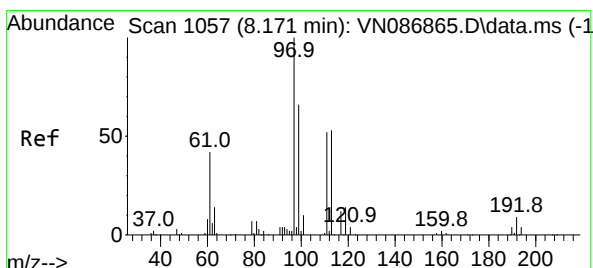
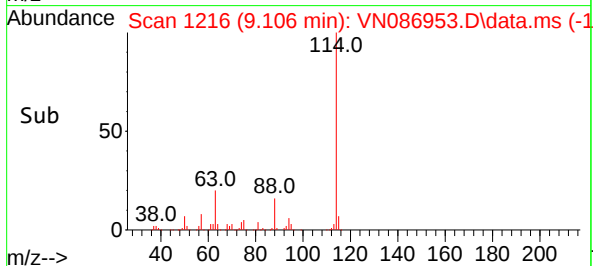
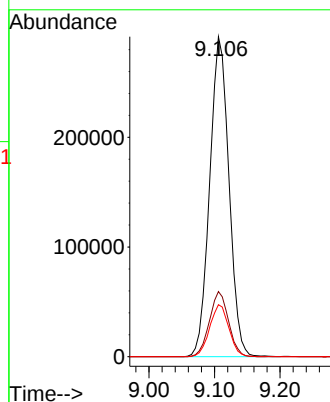
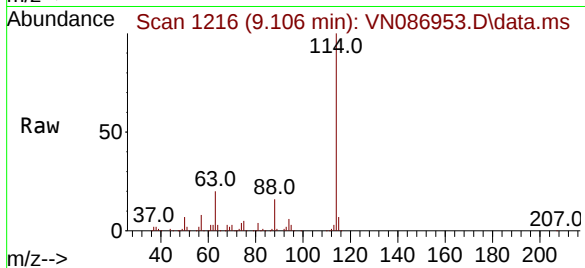
Tgt Ion:114 Resp: 594896

Ion Ratio Lower Upper

114 100

63 20.3 0.0 39.6

88 16.3 0.0 30.2



#35

Dibromofluoromethane

Concen: 50.420 ug/l

RT: 8.177 min Scan# 1058

Delta R.T. 0.006 min

Lab File: VN086953.D

Acq: 11 Jun 2025 16:57

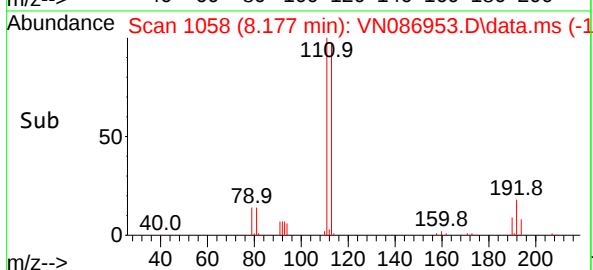
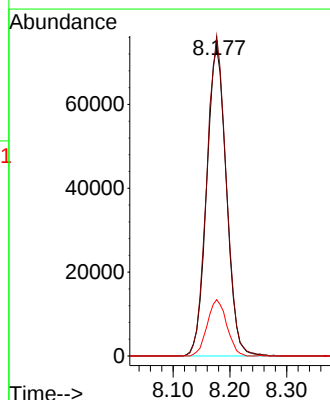
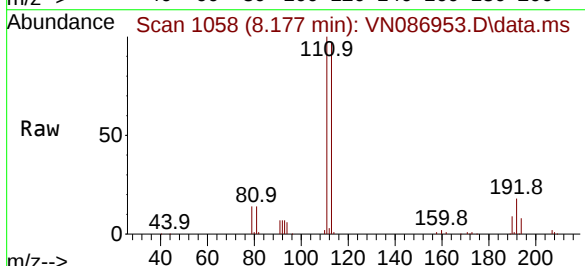
Tgt Ion:113 Resp: 177756

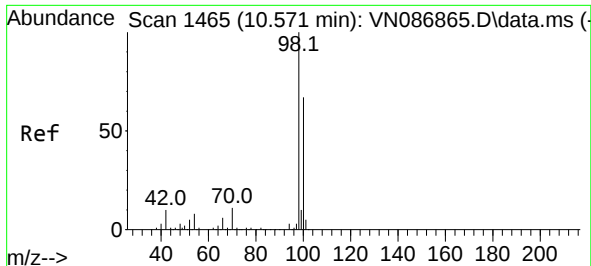
Ion Ratio Lower Upper

113 100

111 102.4 84.2 126.2

192 18.0 14.2 21.4

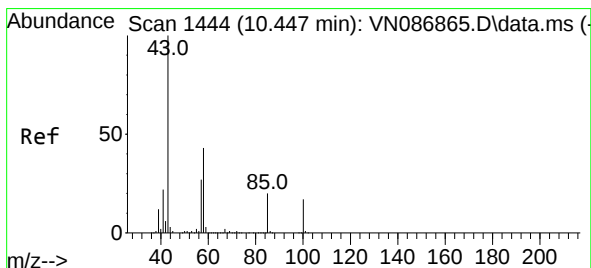
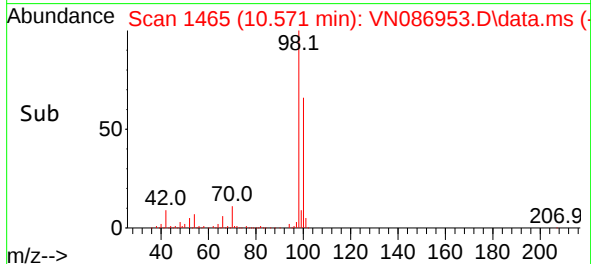
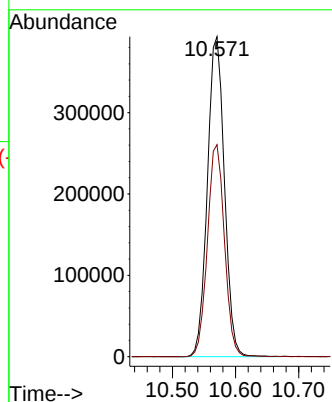
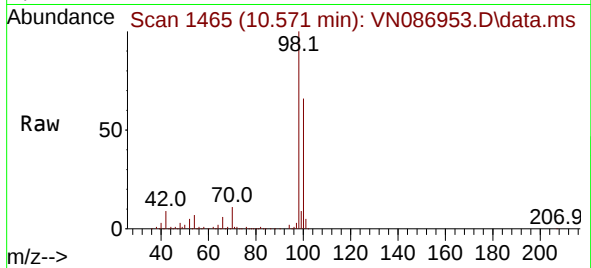




#50
Toluene-d8
Concen: 52.752 ug/l
RT: 10.571 min Scan# 1465
Delta R.T. -0.000 min
Lab File: VN086953.D
Acq: 11 Jun 2025 16:57

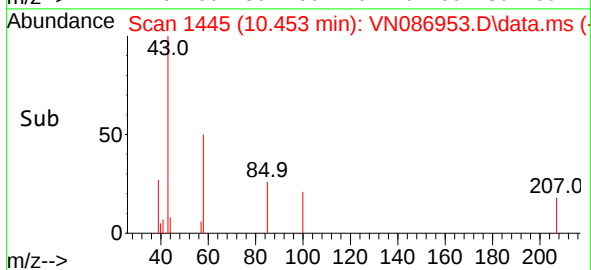
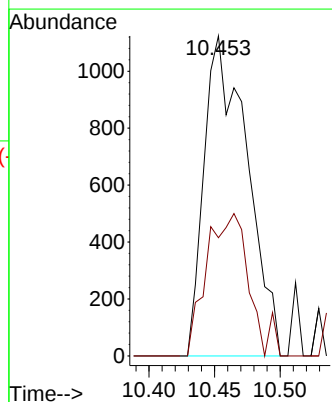
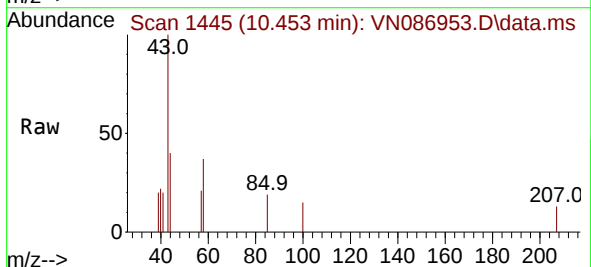
Instrument :
MSVOA_N
ClientSampleId :
MW-10D-20250604

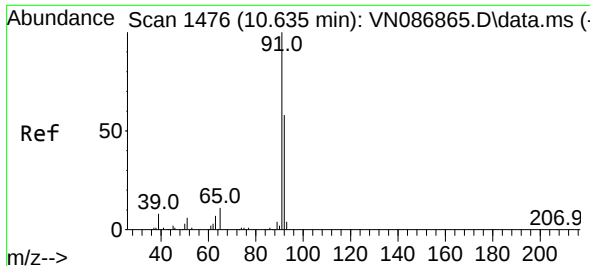
Tgt Ion: 98 Resp: 736237
Ion Ratio Lower Upper
98 100
100 66.2 53.4 80.0



#51
4-Methyl-2-Pentanone
Concen: 0.396 ug/l
RT: 10.453 min Scan# 1445
Delta R.T. 0.006 min
Lab File: VN086953.D
Acq: 11 Jun 2025 16:57

Tgt Ion: 43 Resp: 2559
Ion Ratio Lower Upper
43 100
58 44.0 34.2 51.4

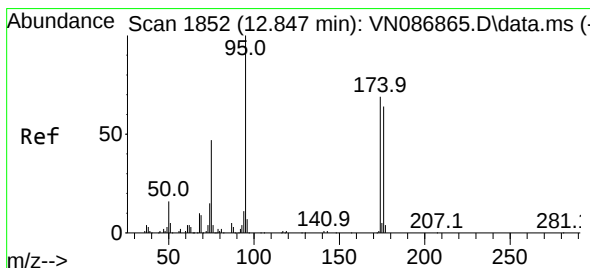
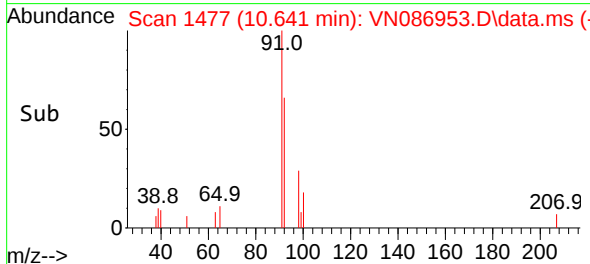
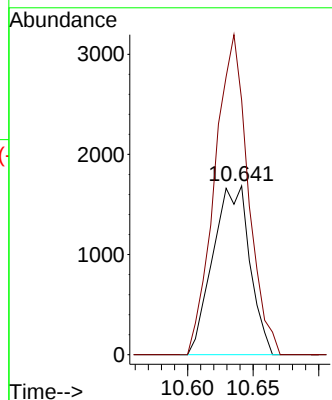
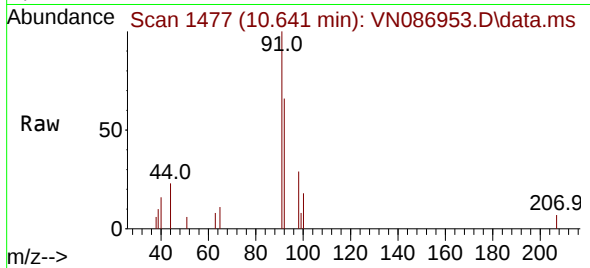




#52
Toluene
Concen: 0.315 ug/l
RT: 10.641 min Scan# 1476
Delta R.T. 0.006 min
Lab File: VN086953.D
Acq: 11 Jun 2025 16:57

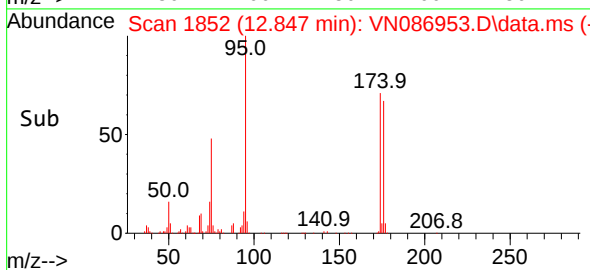
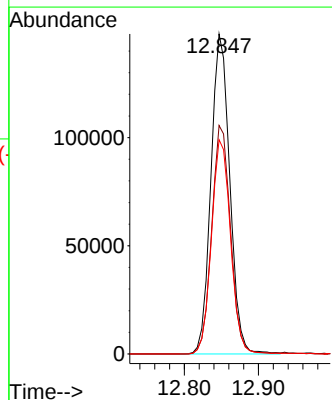
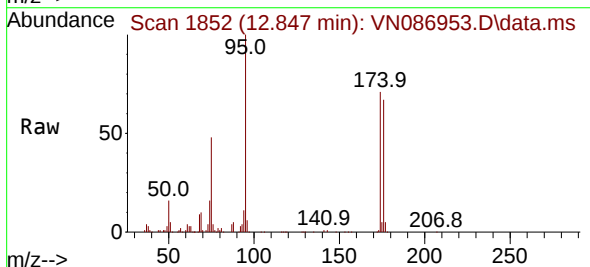
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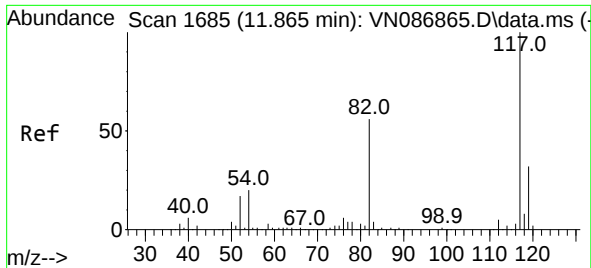
Tgt Ion: 92 Resp: 3302
Ion Ratio Lower Upper
92 100
91 171.7 136.5 204.7



#62
4-Bromofluorobenzene
Concen: 50.334 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. -0.000 min
Lab File: VN086953.D
Acq: 11 Jun 2025 16:57

Tgt Ion: 95 Resp: 260994
Ion Ratio Lower Upper
95 100
174 71.5 0.0 141.8
176 67.9 0.0 132.6

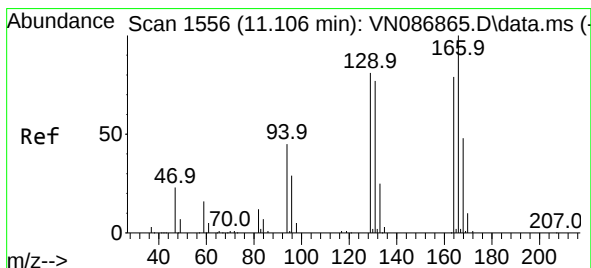
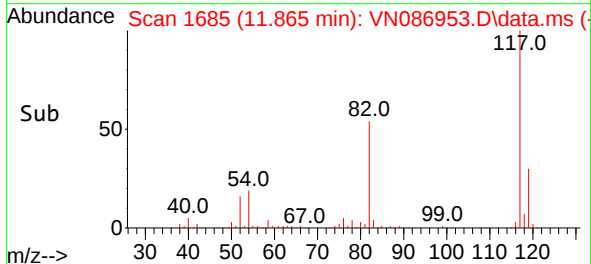
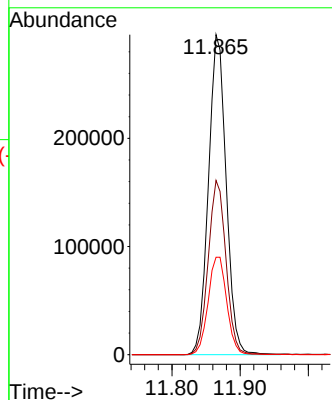
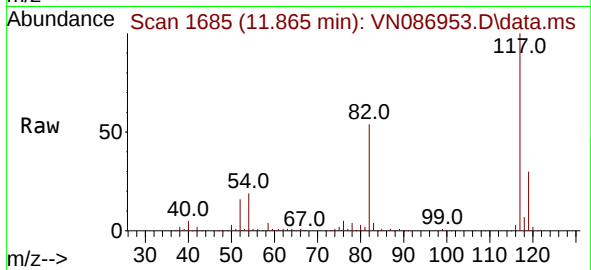




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.865 min Scan# 117
Delta R.T. -0.000 min
Lab File: VN086953.D
Acq: 11 Jun 2025 16:57

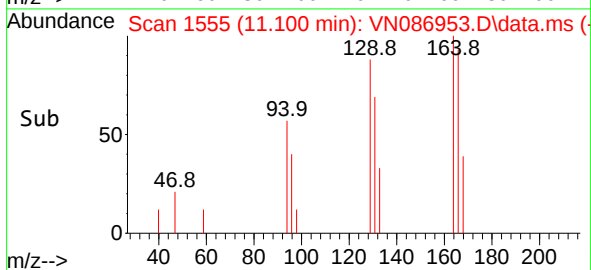
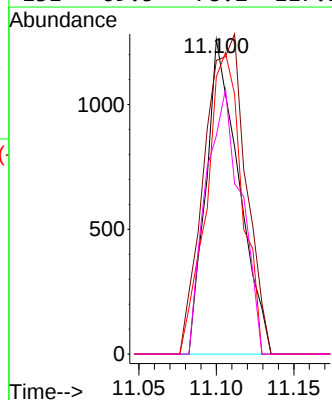
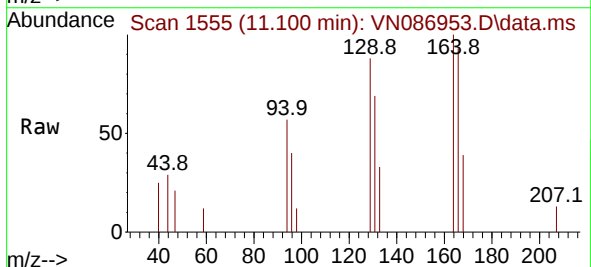
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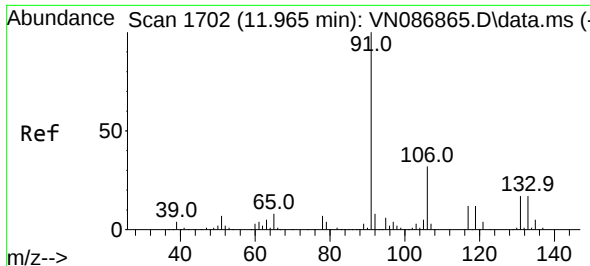
Tgt Ion:117 Resp: 533609
Ion Ratio Lower Upper
117 100
82 54.4 44.6 67.0
119 30.5 25.5 38.3



#64
Tetrachloroethene
Concen: 0.552 ug/l
RT: 11.100 min Scan# 1555
Delta R.T. -0.006 min
Lab File: VN086953.D
Acq: 11 Jun 2025 16:57

Tgt Ion:164 Resp: 1864
Ion Ratio Lower Upper
164 100
166 93.3 101.8 152.8#
129 88.2 83.0 124.4
131 69.5 78.2 117.2#

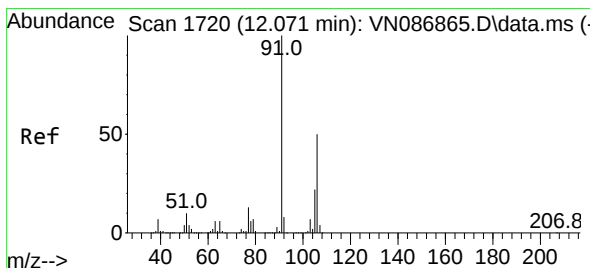
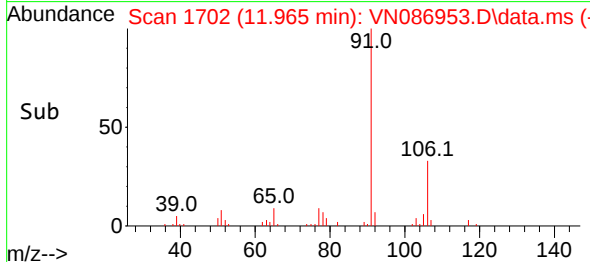
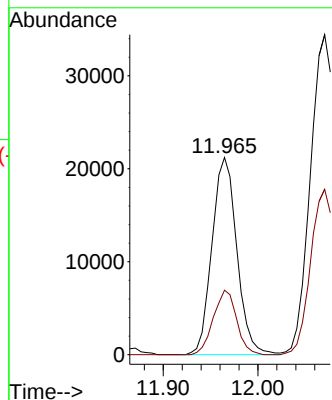
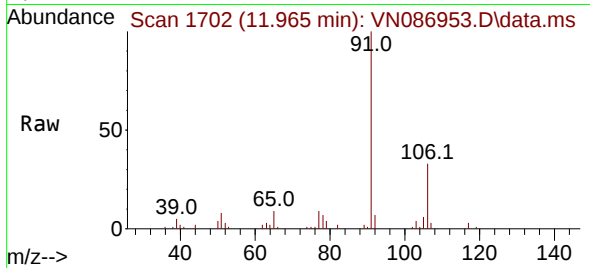




#67
Ethyl Benzene
Concen: 1.911 ug/l
RT: 11.965 min Scan# 1702
Delta R.T. -0.000 min
Lab File: VN086953.D
Acq: 11 Jun 2025 16:57

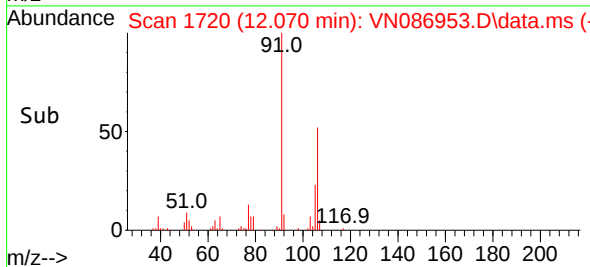
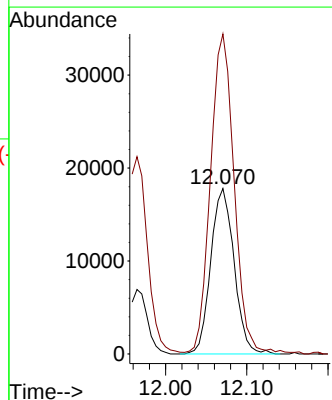
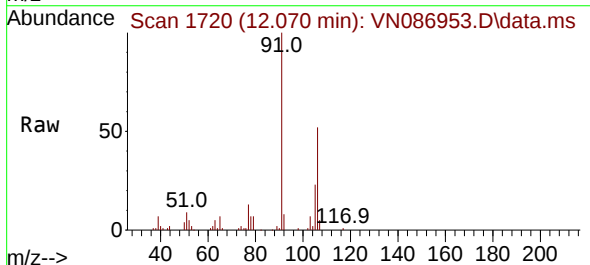
Instrument :
MSVOA_N
ClientSampleId :
MW-10D-20250604

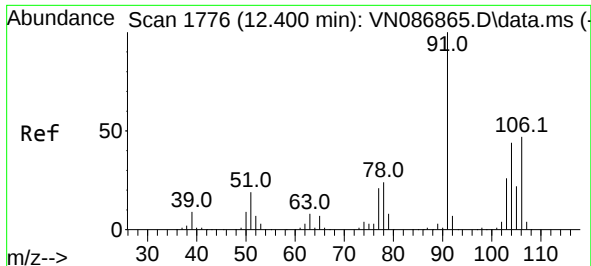
Tgt Ion: 91 Resp: 38747
Ion Ratio Lower Upper
91 100
106 32.7 25.4 38.2



#68
m/p-Xylenes
Concen: 4.582 ug/l
RT: 12.070 min Scan# 1720
Delta R.T. -0.000 min
Lab File: VN086953.D
Acq: 11 Jun 2025 16:57

Tgt Ion: 106 Resp: 35558
Ion Ratio Lower Upper
106 100
91 197.0 159.4 239.0

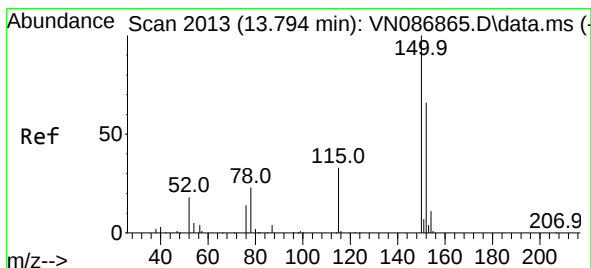
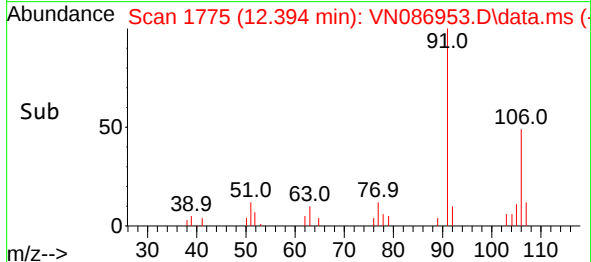
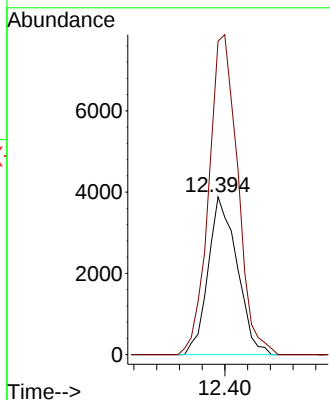
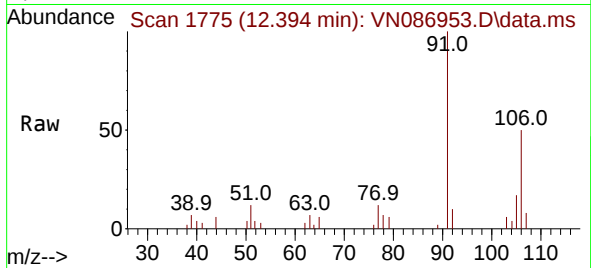




#69
o-Xylene
Concen: 0.924 ug/l
RT: 12.394 min Scan# 11
Delta R.T. -0.006 min
Lab File: VN086953.D
Acq: 11 Jun 2025 16:57

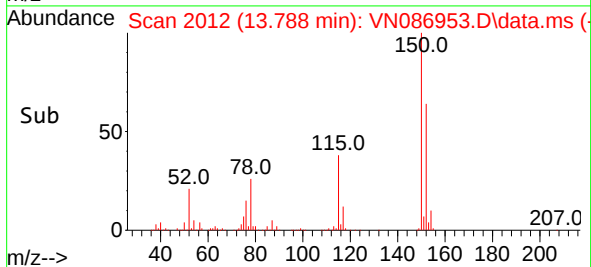
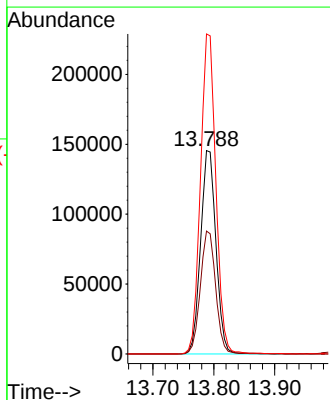
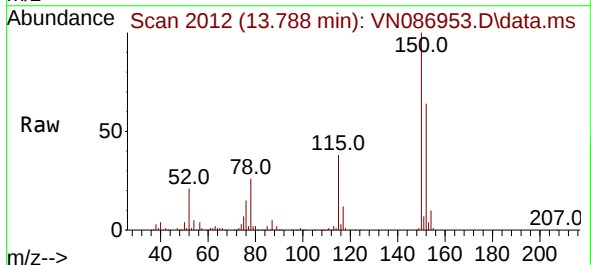
Instrument :
MSVOA_N
ClientSampleId :
MW-10D-20250604

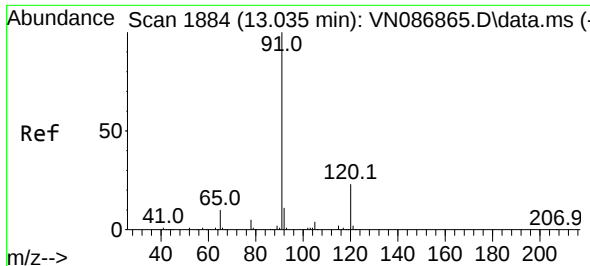
Tgt Ion:106 Resp: 6869
Ion Ratio Lower Upper
106 100
91 203.2 106.1 318.1



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.788 min Scan# 2012
Delta R.T. -0.006 min
Lab File: VN086953.D
Acq: 11 Jun 2025 16:57

Tgt Ion:152 Resp: 254824
Ion Ratio Lower Upper
152 100
115 60.4 30.1 90.5
150 157.5 0.0 345.0

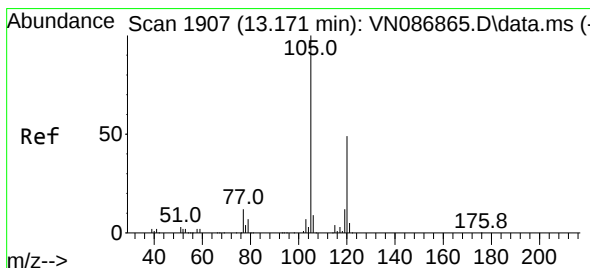
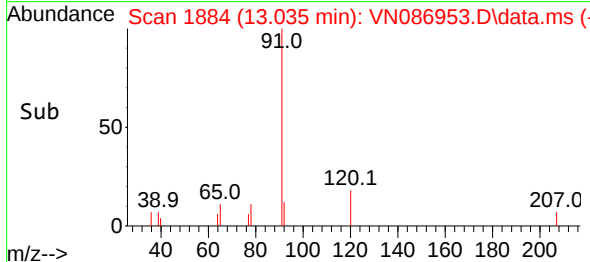
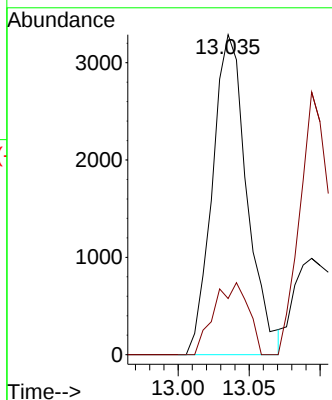
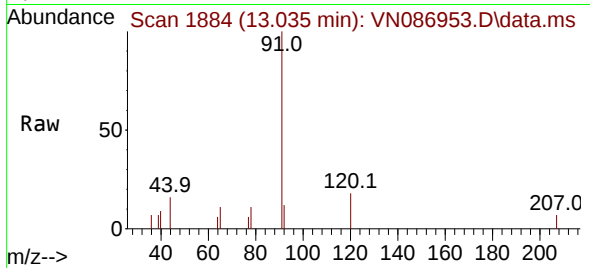




#78
n-propylbenzene
Concen: 0.248 ug/l
RT: 13.035 min Scan# 1884
Delta R.T. -0.000 min
Lab File: VN086953.D
Acq: 11 Jun 2025 16:57

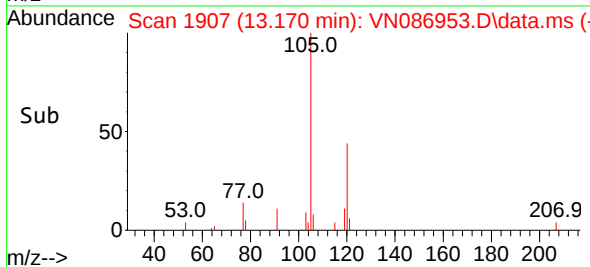
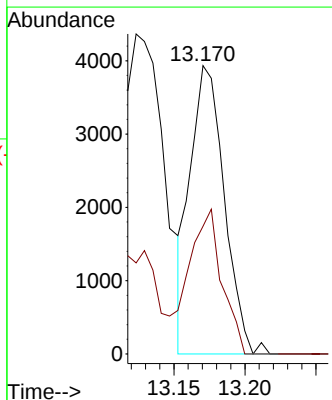
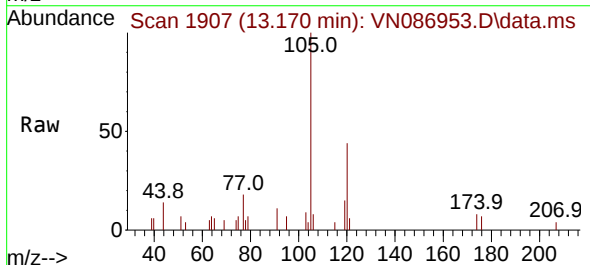
Instrument :
MSVOA_N
ClientSampleId :
MW-10D-20250604

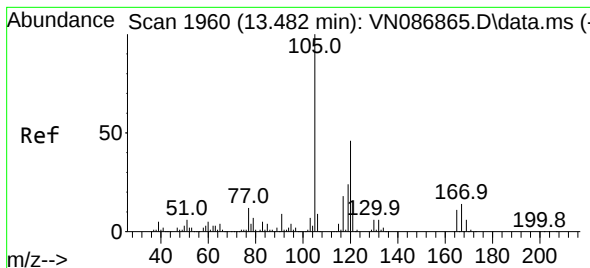
Tgt Ion: 91 Resp: 5595
Ion Ratio Lower Upper
91 100
120 22.2 11.4 34.2



#80
1,3,5-Trimethylbenzene
Concen: 0.428 ug/l
RT: 13.170 min Scan# 1907
Delta R.T. -0.000 min
Lab File: VN086953.D
Acq: 11 Jun 2025 16:57

Tgt Ion: 105 Resp: 6564
Ion Ratio Lower Upper
105 100
120 48.8 24.9 74.6





#84

1,2,4-Trimethylbenzene

Concen: 1.643 ug/l

RT: 13.482 min Scan# 1960

Delta R.T. -0.000 min

Lab File: VN086953.D

Acq: 11 Jun 2025 16:57

Instrument :

MSVOA_N

ClientSampleId :

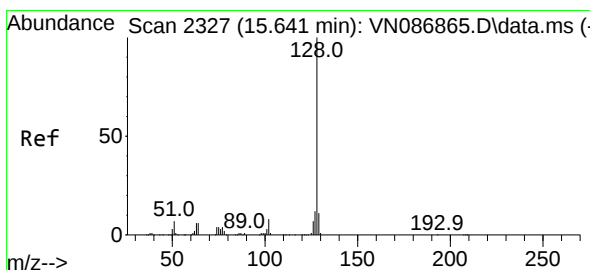
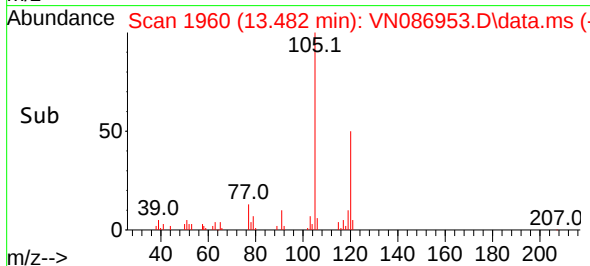
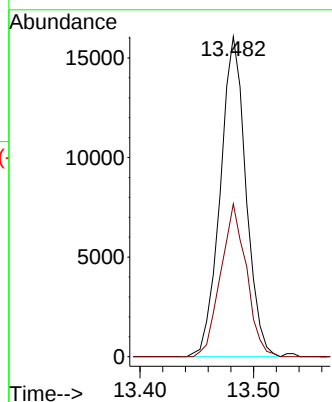
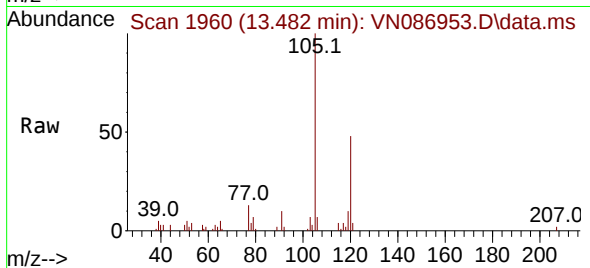
MW-10D-20250604

Tgt Ion:105 Resp: 25253

Ion Ratio Lower Upper

105 100

120 47.8 23.2 69.6



#95

Naphthalene

Concen: 0.325 ug/l

RT: 15.641 min Scan# 2327

Delta R.T. -0.000 min

Lab File: VN086953.D

Acq: 11 Jun 2025 16:57

Tgt Ion:128 Resp: 6226

Ion Ratio Lower Upper

128 100

127 12.6 10.2 15.2

129 11.2 8.8 13.2

