

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN061025\
 Data File : VN086935.D
 Acq On : 10 Jun 2025 17:31
 Operator : JC\MD
 Sample : Q2202-02
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 24 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 MW-11-20250603

Quant Time: Jun 11 01:58:38 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)

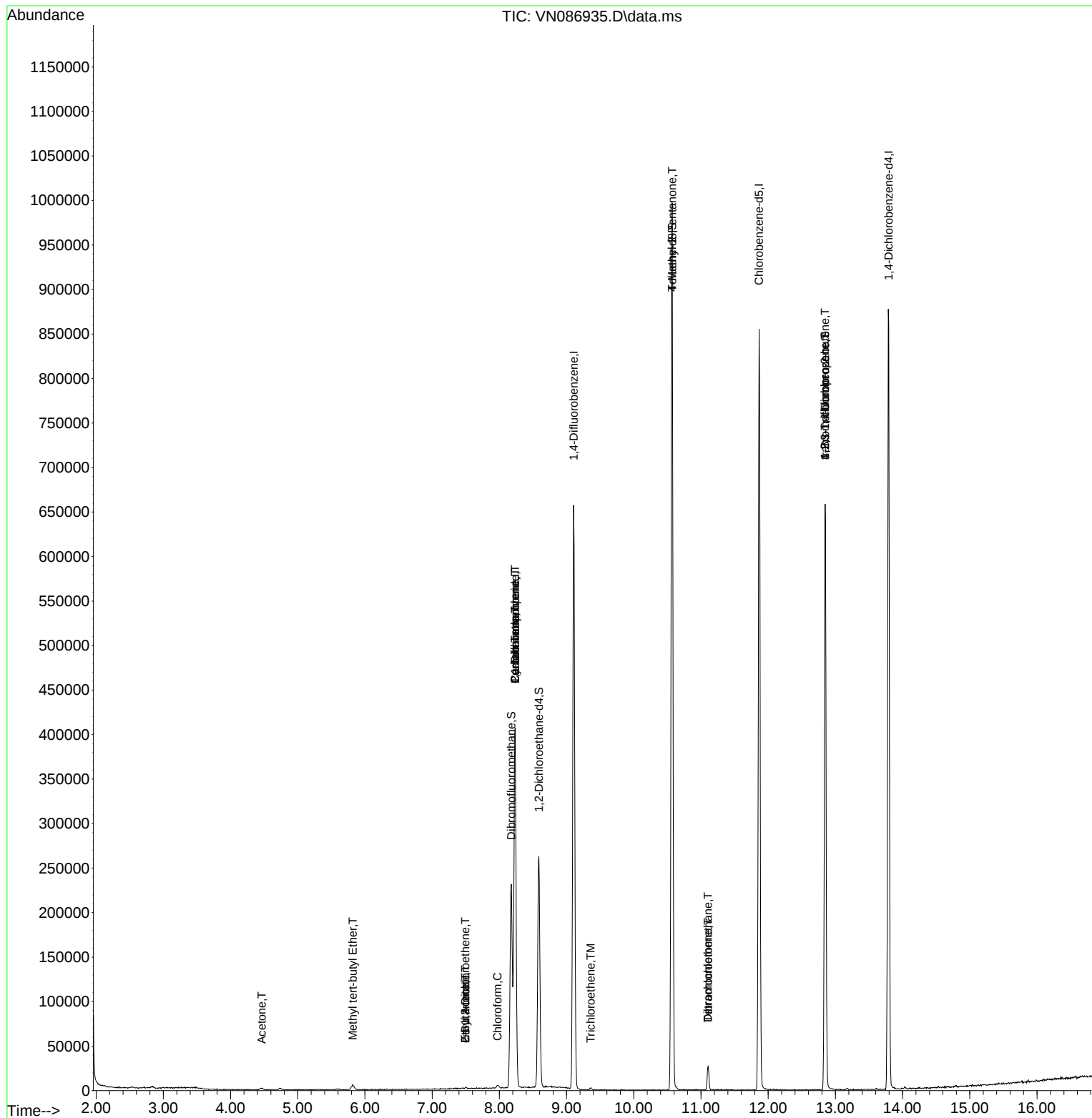
Internal Standards						
1) Pentafluorobenzene	8.235	168	320004	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.106	114	603215	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.864	117	538656	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.794	152	259517	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.588	65	212816	49.671	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery =	99.340%		
35) Dibromofluoromethane	8.176	113	179486	50.209	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	100.420%		
50) Toluene-d8	10.570	98	737282	52.099	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery =	104.200%		
62) 4-Bromofluorobenzene	12.847	95	262174	49.864	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery =	99.720%		
Target Compounds					Qvalue	
16) Acetone	4.465	43	4222	1.858	ug/l	92
19) Methyl tert-butyl Ether	5.818	73	8229	0.638	ug/l	94
25) 2-Butanone	7.494	43	1359	0.368	ug/l	99
27) cis-1,2-Dichloroethene	7.494	96	1005	0.212	ug/l #	16
30) Chloroform	7.971	83	3659	0.511	ug/l	97
31) Cyclohexane	8.235	56	6610	0.951	ug/l #	1
36) 1,1-Dichloropropene	8.235	75	25172	4.726	ug/l #	48
37) Ethyl Acetate	7.494	43	1359	0.200	ug/l #	71
38) Carbon Tetrachloride	8.235	117	32244	6.166	ug/l #	17
44) Trichloroethene	9.359	130	1005	0.243	ug/l	77
51) 4-Methyl-2-Pentanone	10.570	43	2933	0.448	ug/l #	1
60) Dibromochloromethane	11.106	129	6416	1.503	ug/l #	11
64) Tetrachloroethene	11.106	164	6561	1.925	ug/l	98
76) 1,2,3-Trichloropropane	12.847	75	121593	19.711	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.847	75	121593	45.374	ug/l #	16

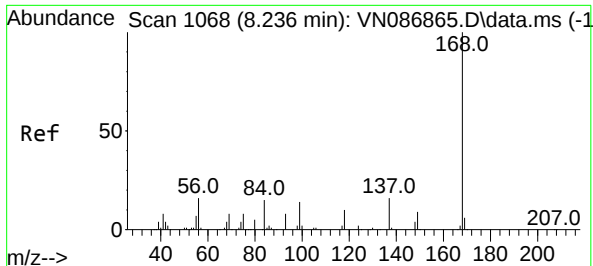
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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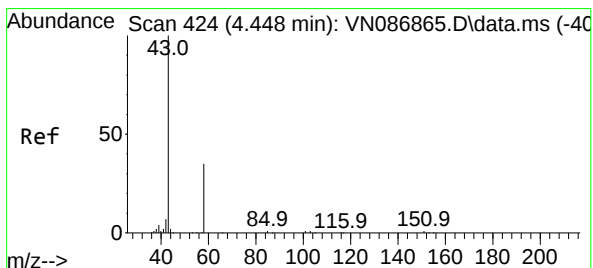
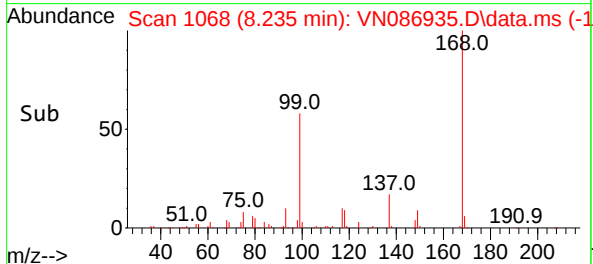
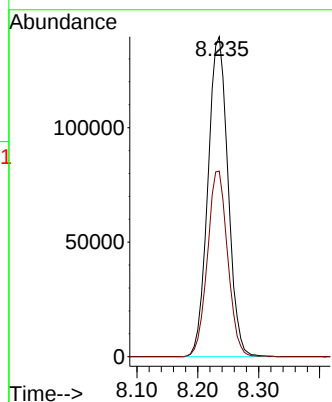
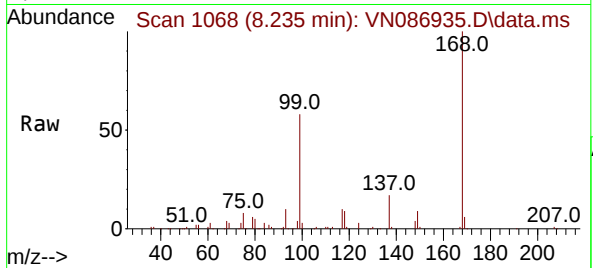




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.235 min Scan# 1068
Delta R.T. -0.001 min
Lab File: VN086935.D
Acq: 10 Jun 2025 17:31

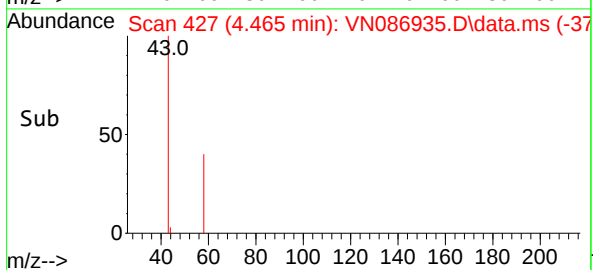
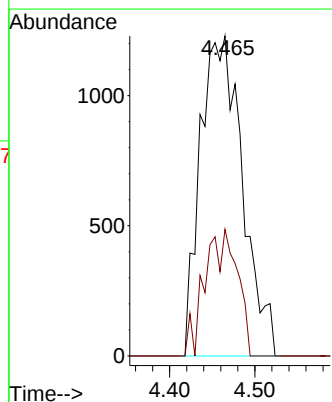
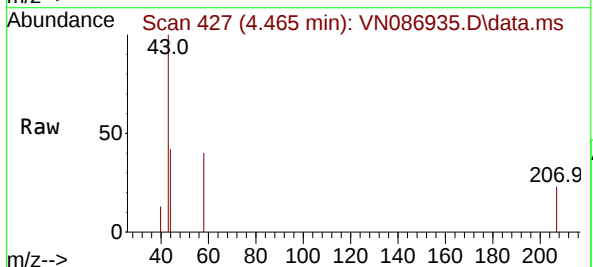
Instrument :
MSVOA_N
ClientSampleId :
MW-11-20250603

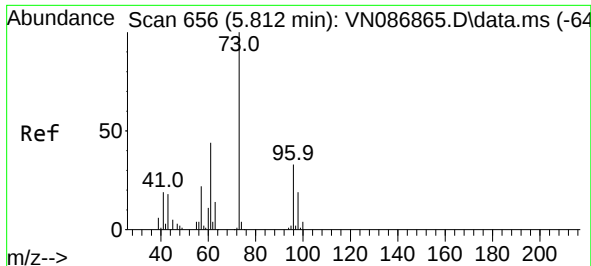
Tgt Ion:168 Resp: 320004
Ion Ratio Lower Upper
168 100
99 58.0 49.1 73.7



#16
Acetone
Concen: 1.858 ug/l
RT: 4.465 min Scan# 427
Delta R.T. 0.017 min
Lab File: VN086935.D
Acq: 10 Jun 2025 17:31

Tgt Ion: 43 Resp: 4222
Ion Ratio Lower Upper
43 100
58 39.5 28.0 42.0

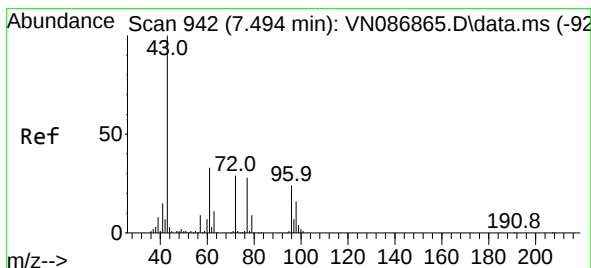
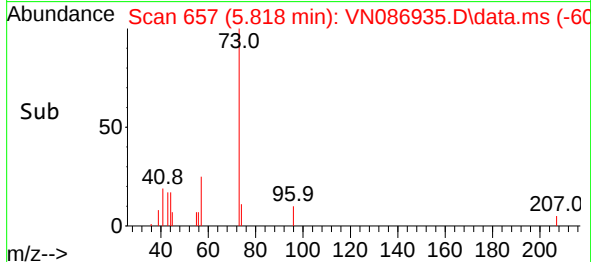
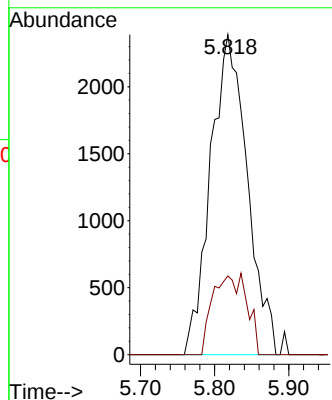
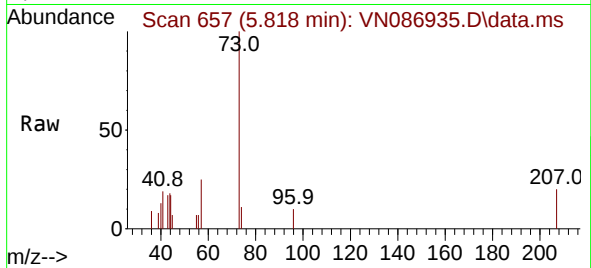




#19
Methyl tert-butyl Ether
Concen: 0.638 ug/l
RT: 5.818 min Scan# 61
Delta R.T. 0.006 min
Lab File: VN086935.D
Acq: 10 Jun 2025 17:31

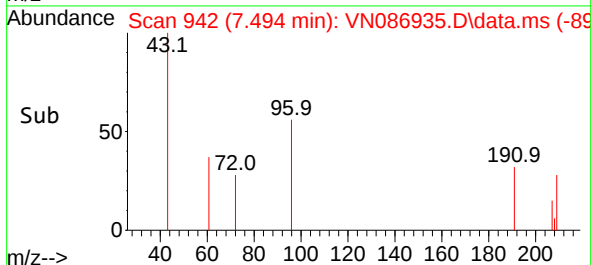
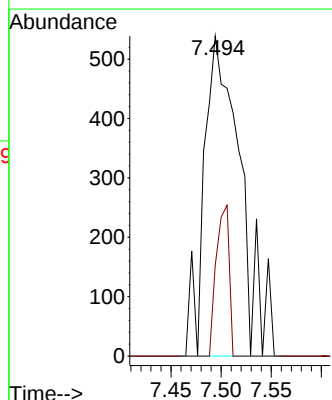
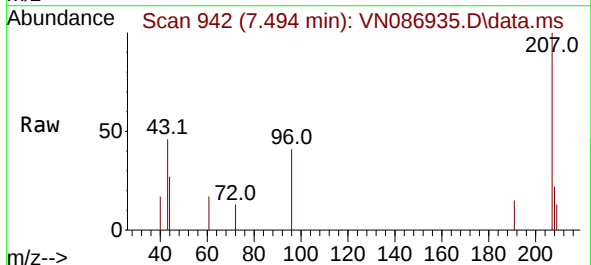
Instrument :
MSVOA_N
ClientSampleId :
MW-11-20250603

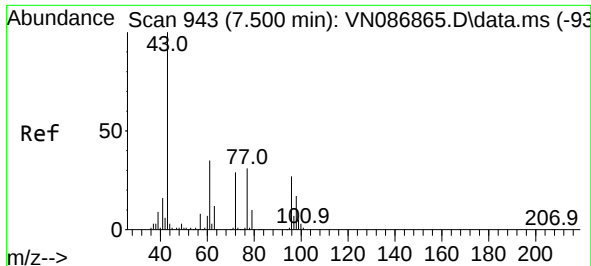
Tgt Ion: 73 Resp: 8229
Ion Ratio Lower Upper
73 100
57 24.6 17.4 26.2



#25
2-Butanone
Concen: 0.368 ug/l
RT: 7.494 min Scan# 942
Delta R.T. -0.000 min
Lab File: VN086935.D
Acq: 10 Jun 2025 17:31

Tgt Ion: 43 Resp: 1359
Ion Ratio Lower Upper
43 100
72 28.4 23.0 34.6

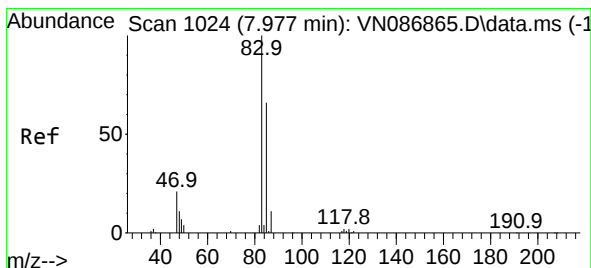
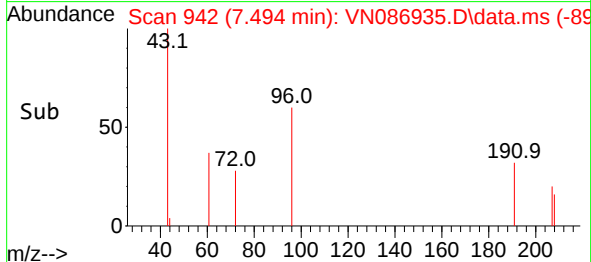
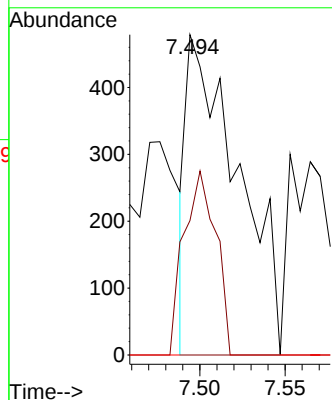
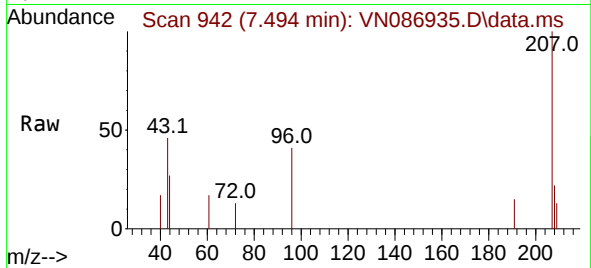




#27
 cis-1,2-Dichloroethene
 Concen: 0.212 ug/l
 RT: 7.494 min Scan# 94
 Delta R.T. -0.006 min
 Lab File: VN086935.D
 Acq: 10 Jun 2025 17:31

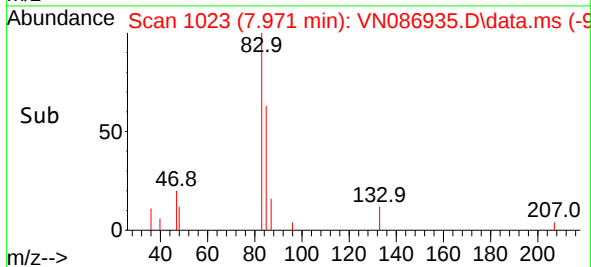
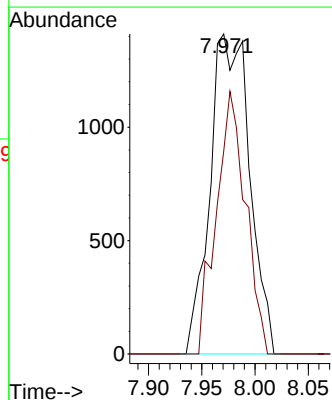
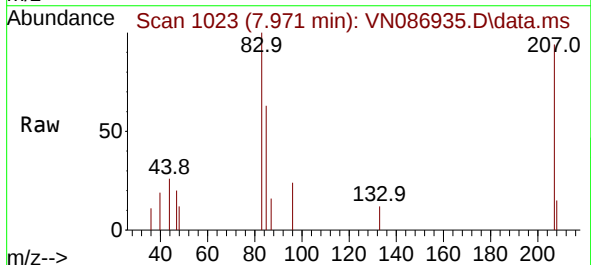
Instrument :
 MSVOA_N
 ClientSampleId :
 MW-11-20250603

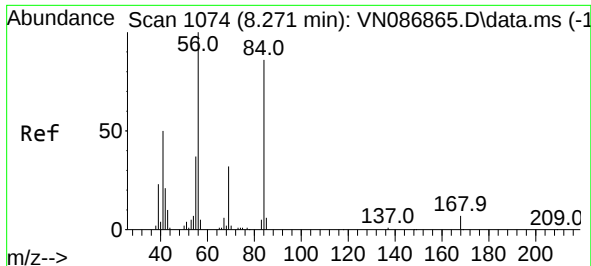
Tgt Ion: 96 Resp: 1005
 Ion Ratio Lower Upper
 96 100
 61 35.7 0.0 278.0
 98 0.0 0.0 128.2



#30
 Chloroform
 Concen: 0.511 ug/l
 RT: 7.971 min Scan# 1023
 Delta R.T. -0.006 min
 Lab File: VN086935.D
 Acq: 10 Jun 2025 17:31

Tgt Ion: 83 Resp: 3659
 Ion Ratio Lower Upper
 83 100
 85 63.4 52.9 79.3

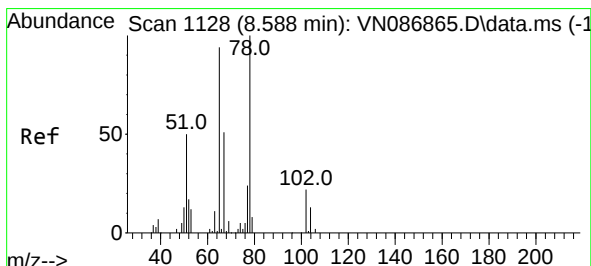
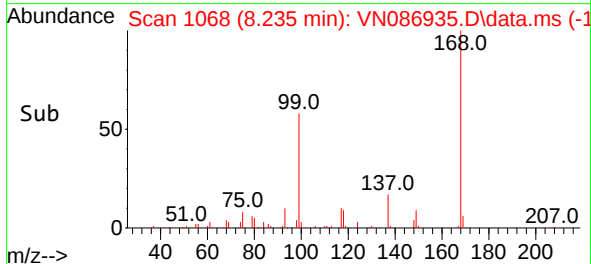
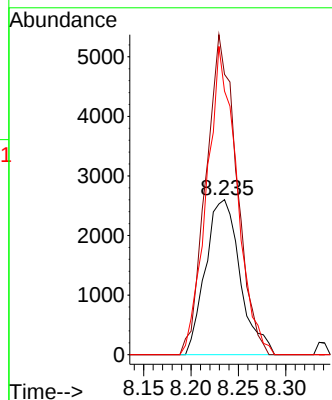
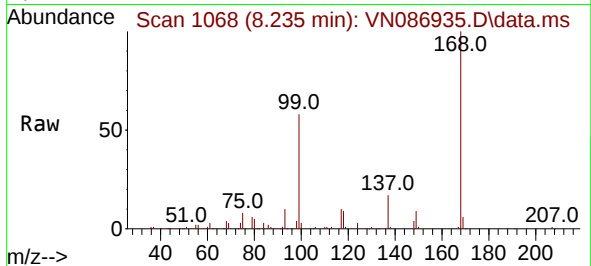




#31
Cyclohexane
Concen: 0.951 ug/l
RT: 8.235 min Scan# 1068
Delta R.T. -0.036 min
Lab File: VN086935.D
Acq: 10 Jun 2025 17:31

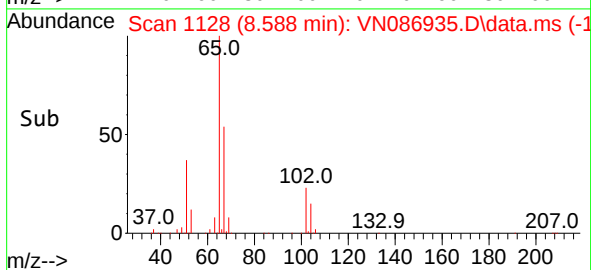
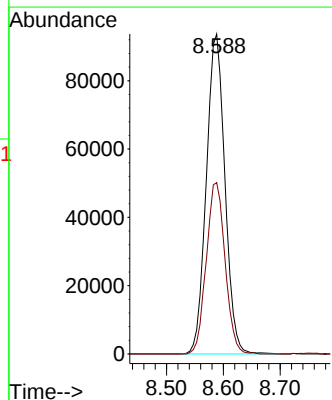
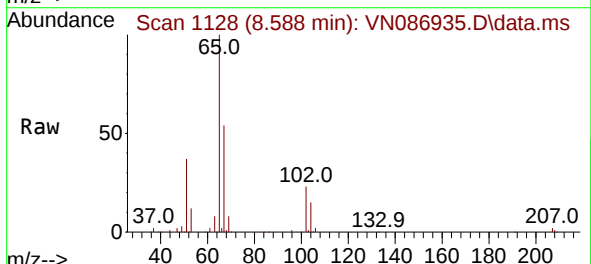
Instrument :
MSVOA_N
ClientSampleId :
MW-11-20250603

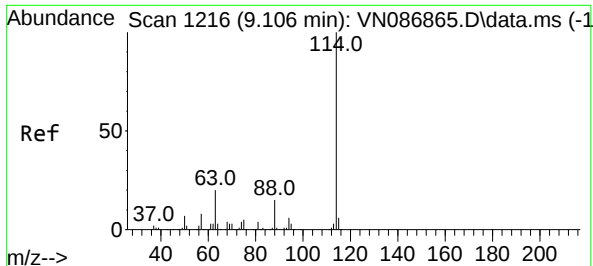
Tgt Ion: 56 Resp: 6610
Ion Ratio Lower Upper
56 100
69 180.9 25.4 38.0#
84 169.9 68.8 103.2#



#33
1,2-Dichloroethane-d4
Concen: 49.671 ug/l
RT: 8.588 min Scan# 1128
Delta R.T. -0.000 min
Lab File: VN086935.D
Acq: 10 Jun 2025 17:31

Tgt Ion: 65 Resp: 212816
Ion Ratio Lower Upper
65 100
67 54.2 0.0 105.6

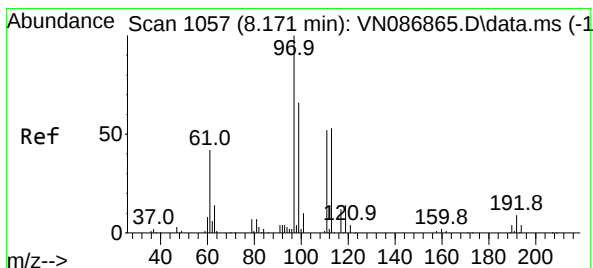
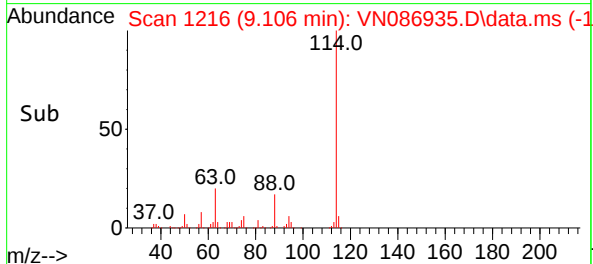
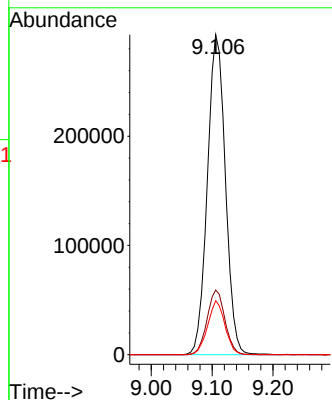
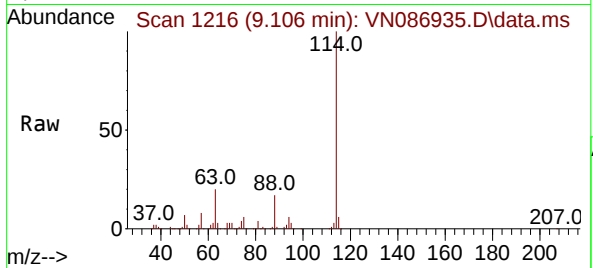




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 9.106 min Scan# 11
Delta R.T. -0.000 min
Lab File: VN086935.D
Acq: 10 Jun 2025 17:31

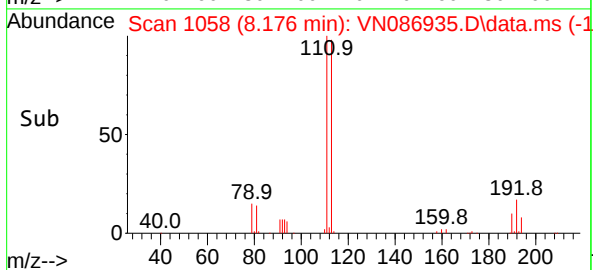
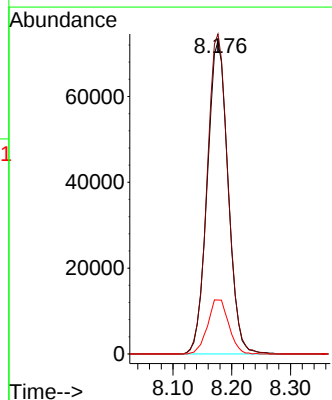
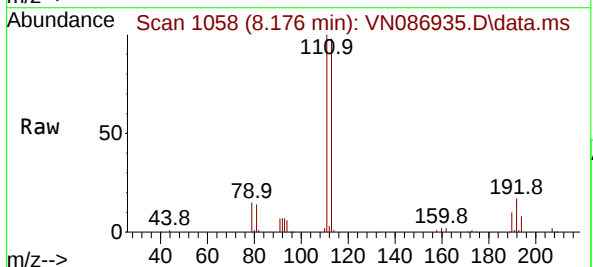
Instrument :
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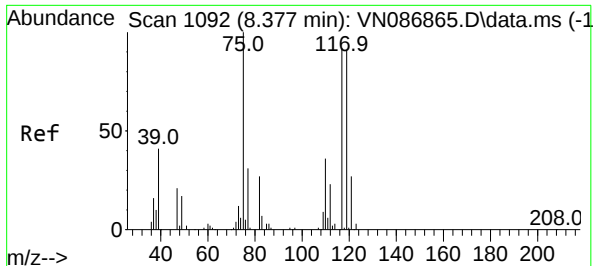
Tgt Ion:114 Resp: 603215
Ion Ratio Lower Upper
114 100
63 20.2 0.0 39.6
88 16.9 0.0 30.2



#35
Dibromofluoromethane
Concen: 50.209 ug/l
RT: 8.176 min Scan# 1058
Delta R.T. 0.006 min
Lab File: VN086935.D
Acq: 10 Jun 2025 17:31

Tgt Ion:113 Resp: 179486
Ion Ratio Lower Upper
113 100
111 102.0 84.2 126.2
192 17.6 14.2 21.4





#36

1,1-Dichloropropene

Concen: 4.726 ug/l

RT: 8.235 min Scan# 1

Delta R.T. -0.141 min

Lab File: VN086935.D

Acq: 10 Jun 2025 17:31

Instrument :

MSVOA_N

ClientSampleId :

MW-11-20250603

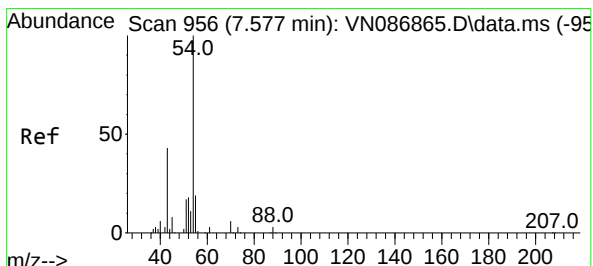
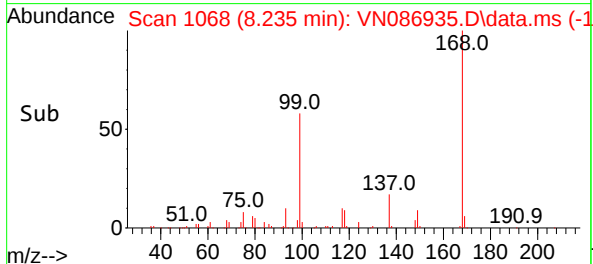
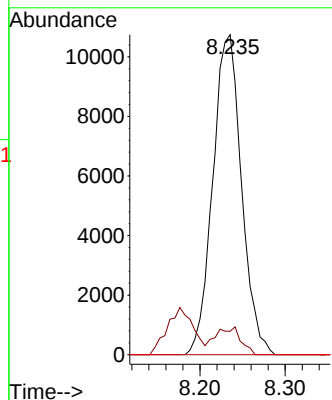
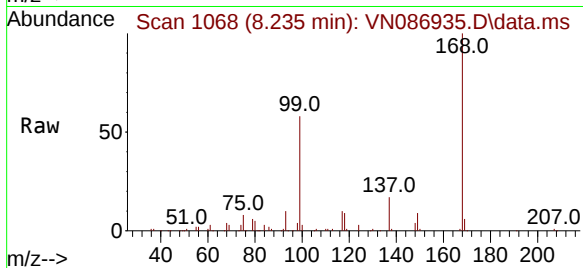
Tgt Ion: 75 Resp: 25172

Ion Ratio Lower Upper

75 100

110 7.6 17.6 52.9#

77 0.0 25.3 37.9#



#37

Ethyl Acetate

Concen: 0.200 ug/l

RT: 7.494 min Scan# 942

Delta R.T. -0.083 min

Lab File: VN086935.D

Acq: 10 Jun 2025 17:31

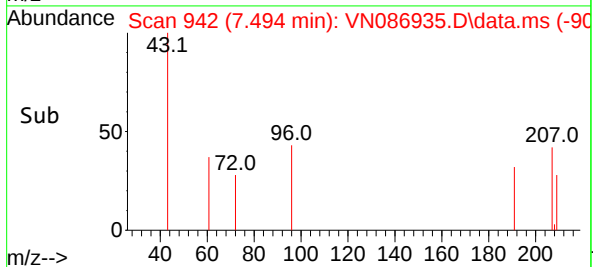
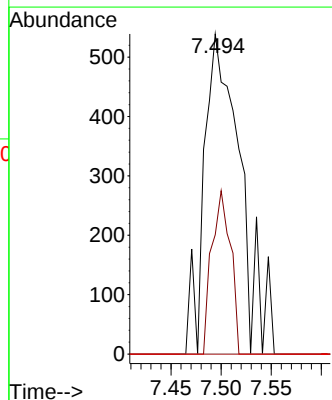
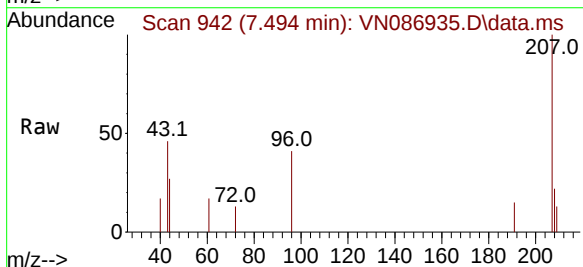
Tgt Ion: 43 Resp: 1359

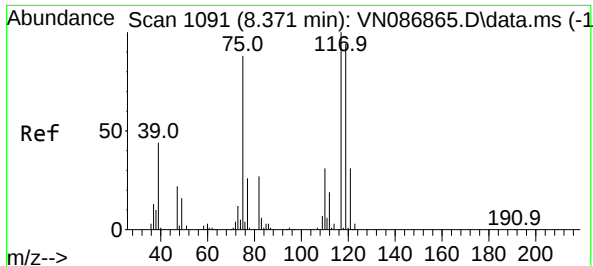
Ion Ratio Lower Upper

43 100

61 26.4 12.1 18.1#

70 0.0 9.8 14.6#

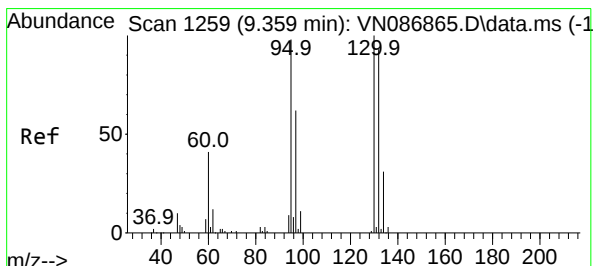
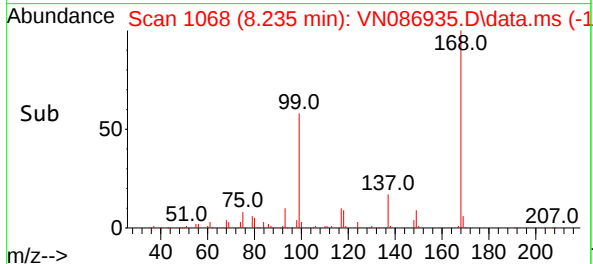
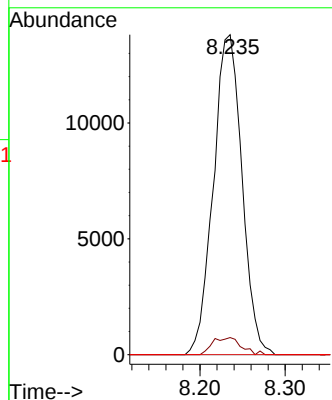
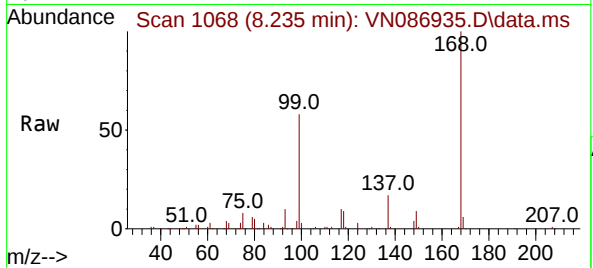




#38
Carbon Tetrachloride
Concen: 6.166 ug/l
RT: 8.235 min Scan# 1068
Delta R.T. -0.136 min
Lab File: VN086935.D
Acq: 10 Jun 2025 17:31

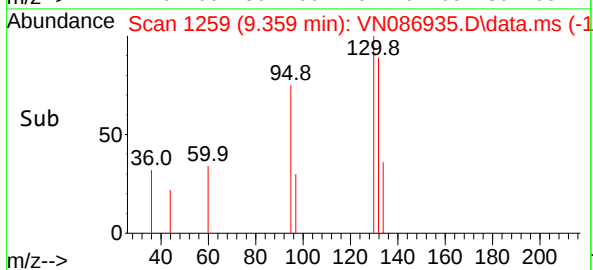
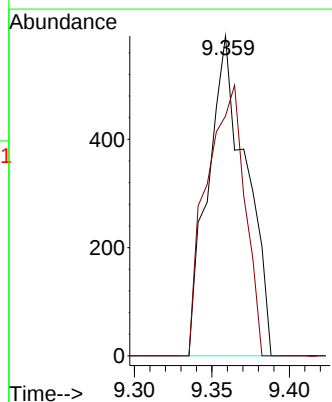
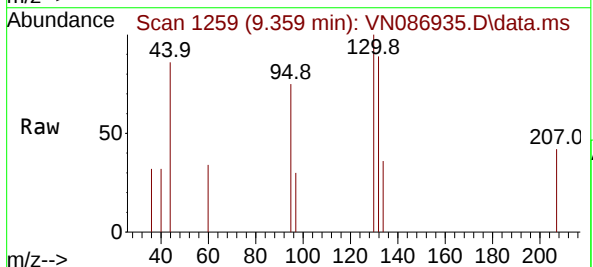
Instrument :
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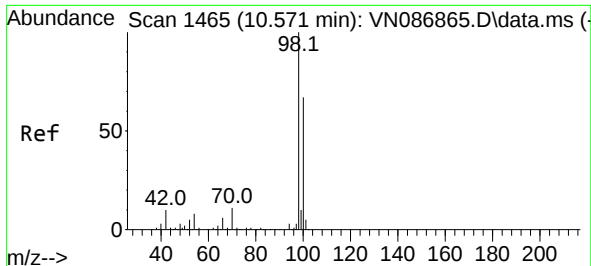
Tgt Ion:117 Resp: 32244
Ion Ratio Lower Upper
117 100
119 5.4 75.0 112.6#
121 0.0 24.9 37.3#



#44
Trichloroethene
Concen: 0.243 ug/l
RT: 9.359 min Scan# 1259
Delta R.T. -0.000 min
Lab File: VN086935.D
Acq: 10 Jun 2025 17:31

Tgt Ion:130 Resp: 1005
Ion Ratio Lower Upper
130 100
95 75.0 0.0 196.2

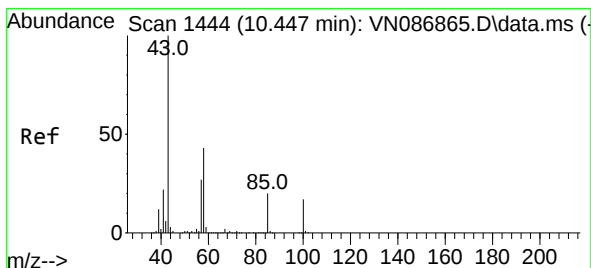
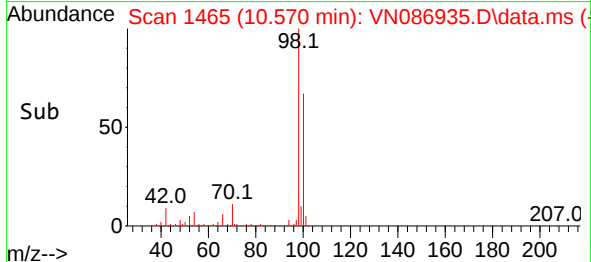
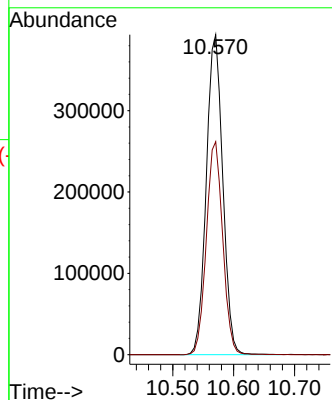
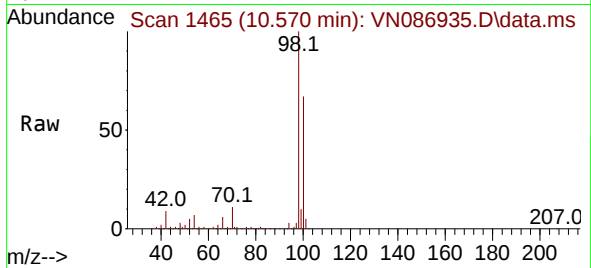




#50
Toluene-d8
Concen: 52.099 ug/l
RT: 10.570 min Scan# 1465
Delta R.T. -0.000 min
Lab File: VN086935.D
Acq: 10 Jun 2025 17:31

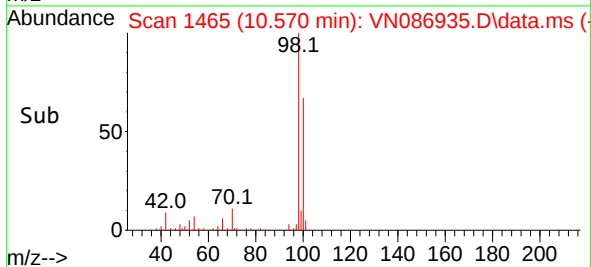
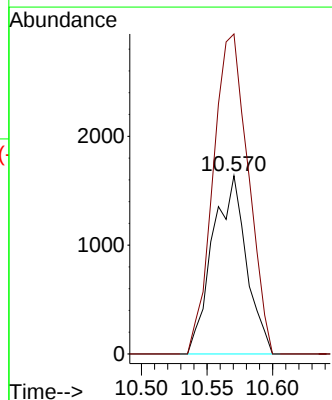
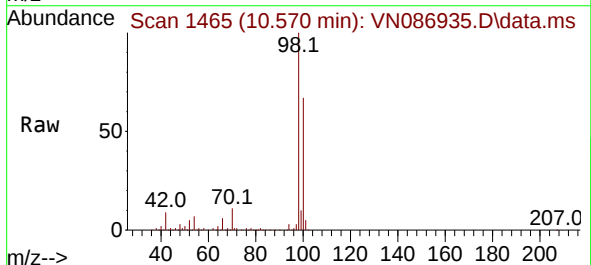
Instrument :
MSVOA_N
ClientSampleId :
MW-11-20250603

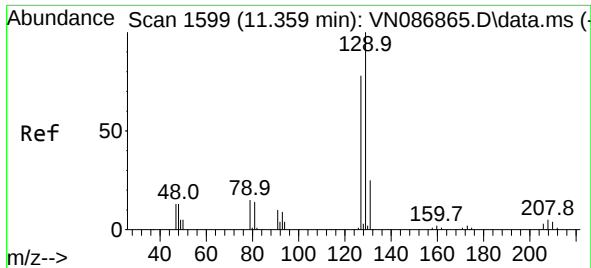
Tgt Ion: 98 Resp: 737282
Ion Ratio Lower Upper
98 100
100 66.2 53.4 80.0



#51
4-Methyl-2-Pentanone
Concen: 0.448 ug/l
RT: 10.570 min Scan# 1465
Delta R.T. 0.123 min
Lab File: VN086935.D
Acq: 10 Jun 2025 17:31

Tgt Ion: 43 Resp: 2933
Ion Ratio Lower Upper
43 100
58 186.6 34.2 51.4#

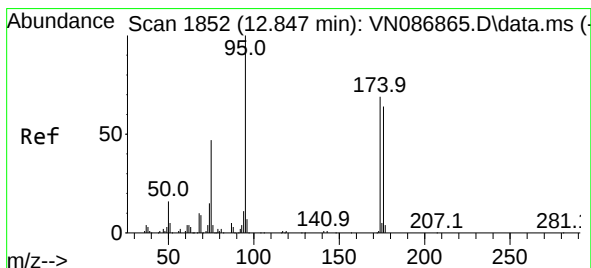
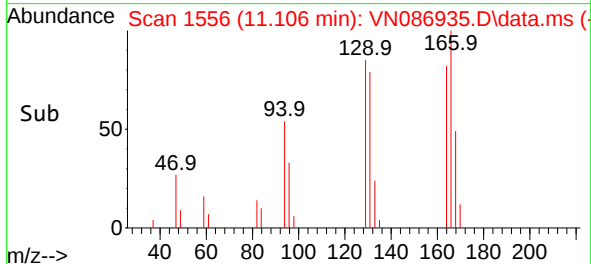
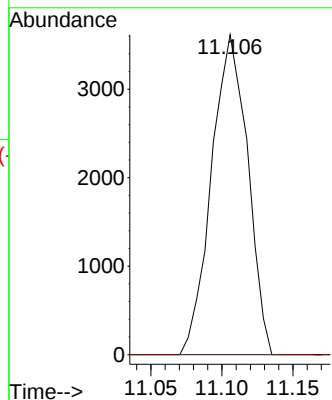
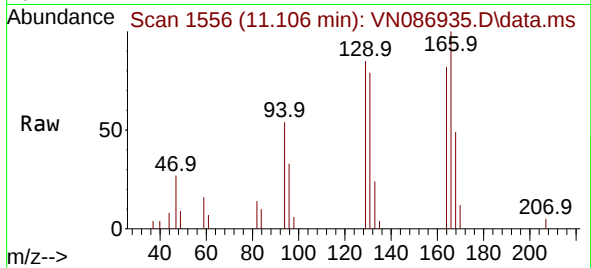




#60
Dibromochloromethane
Concen: 1.503 ug/l
RT: 11.106 min Scan# 11
Delta R.T. -0.253 min
Lab File: VN086935.D
Acq: 10 Jun 2025 17:31

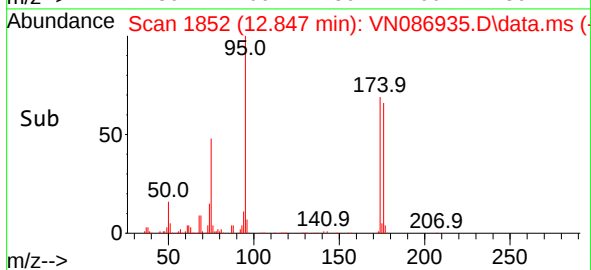
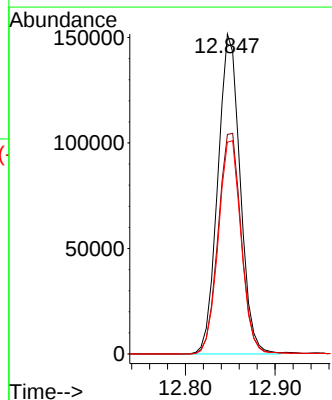
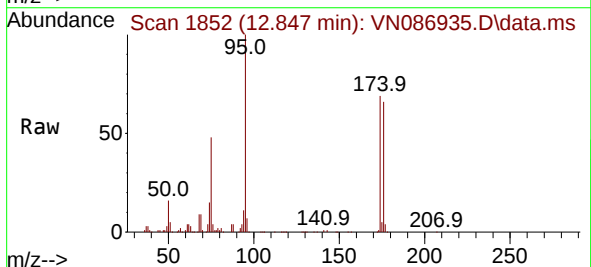
Instrument :
MSVOA_N
ClientSampleId :
MW-11-20250603

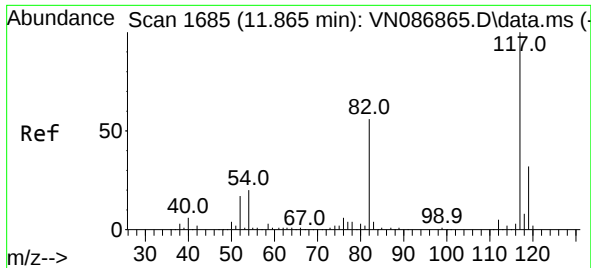
Tgt Ion:129 Resp: 6416
Ion Ratio Lower Upper
129 100
127 0.0 38.6 115.8#



#62
4-Bromofluorobenzene
Concen: 49.864 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. -0.000 min
Lab File: VN086935.D
Acq: 10 Jun 2025 17:31

Tgt Ion: 95 Resp: 262174
Ion Ratio Lower Upper
95 100
174 71.5 0.0 141.8
176 68.4 0.0 132.6

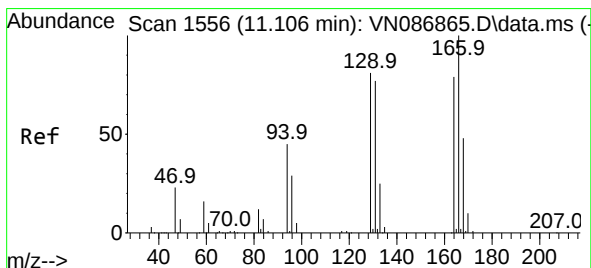
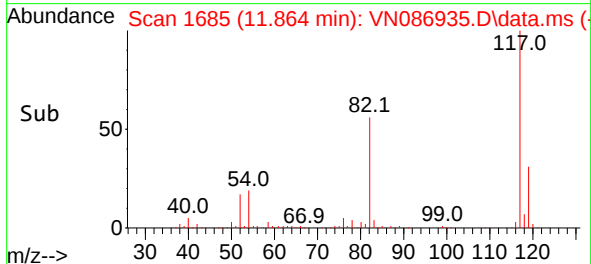
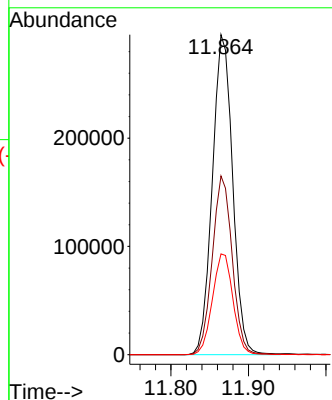
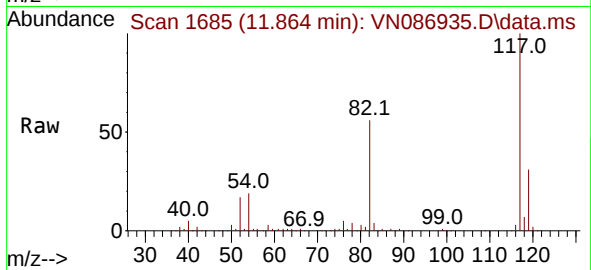




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.864 min Scan# 117
Delta R.T. -0.000 min
Lab File: VN086935.D
Acq: 10 Jun 2025 17:31

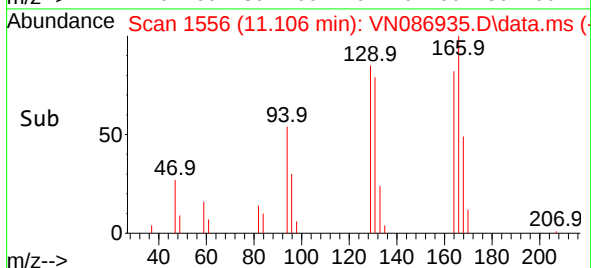
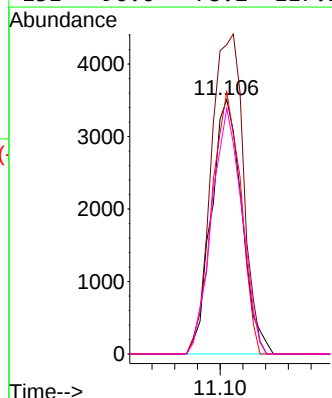
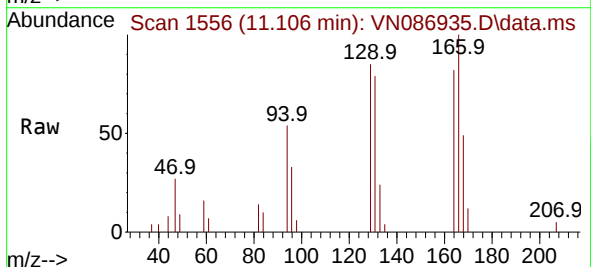
Instrument :
MSVOA_N
ClientSampleId :
MW-11-20250603

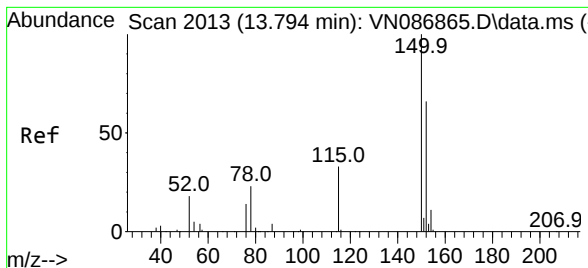
Tgt Ion:117 Resp: 538656
Ion Ratio Lower Upper
117 100
82 55.8 44.6 67.0
119 31.5 25.5 38.3



#64
Tetrachloroethene
Concen: 1.925 ug/l
RT: 11.106 min Scan# 1556
Delta R.T. -0.000 min
Lab File: VN086935.D
Acq: 10 Jun 2025 17:31

Tgt Ion:164 Resp: 6561
Ion Ratio Lower Upper
164 100
166 121.7 101.8 152.8
129 103.0 83.0 124.4
131 96.6 78.2 117.2

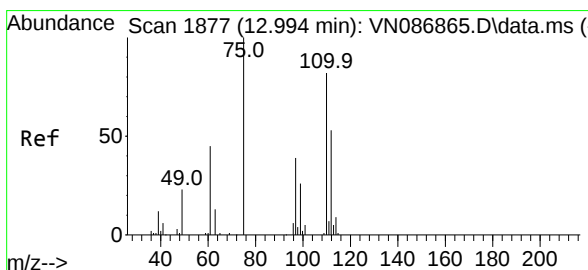
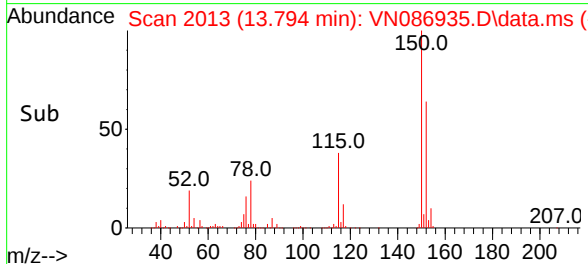
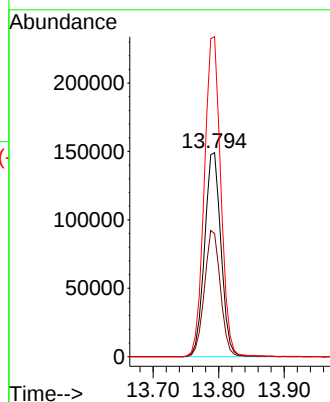
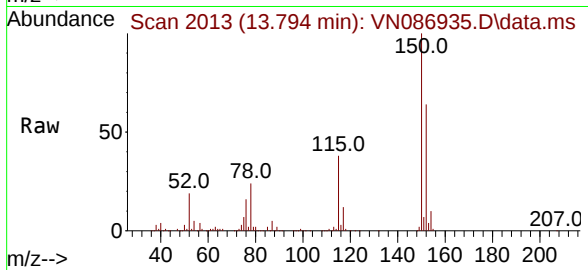




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.794 min Scan# 2013
 Delta R.T. -0.000 min
 Lab File: VN086935.D
 Acq: 10 Jun 2025 17:31

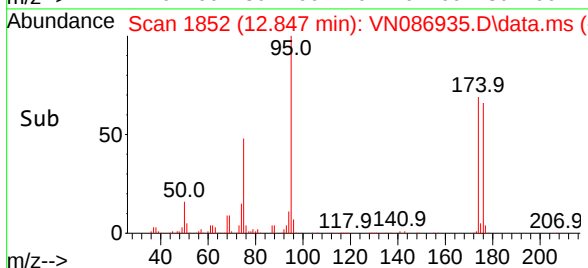
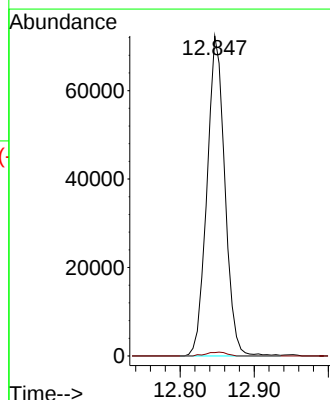
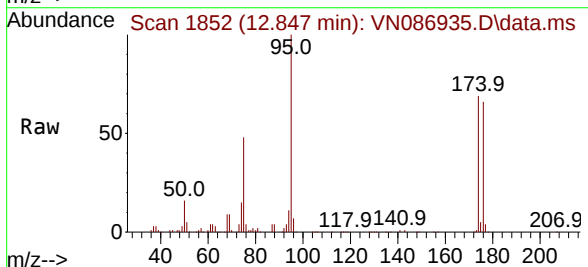
Instrument :
 MSVOA_N
 ClientSampleId :
 MW-11-20250603

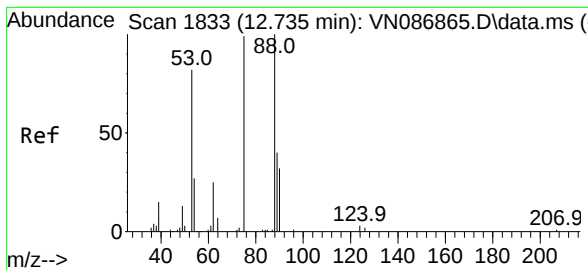
Tgt Ion:152 Resp: 259517
 Ion Ratio Lower Upper
 152 100
 115 60.7 30.1 90.5
 150 157.6 0.0 345.0



#76
 1,2,3-Trichloropropane
 Concen: 19.711 ug/l
 RT: 12.847 min Scan# 1852
 Delta R.T. -0.147 min
 Lab File: VN086935.D
 Acq: 10 Jun 2025 17:31

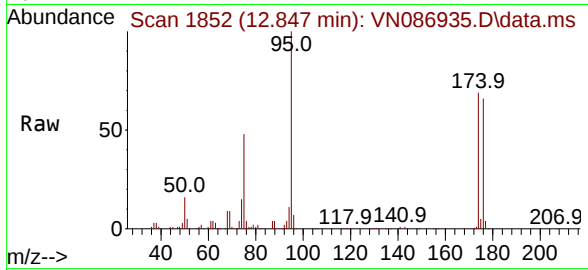
Tgt Ion: 75 Resp: 121593
 Ion Ratio Lower Upper
 75 100
 77 1.4 79.3 237.9#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 45.374 ug/l
 RT: 12.847 min Scan# 11
 Delta R.T. 0.111 min
 Lab File: VN086935.D
 Acq: 10 Jun 2025 17:31

Instrument :
 MSVOA_N
 ClientSampleId :
 MW-11-20250603



Tgt Ion: 75 Resp: 121593
 Ion Ratio Lower Upper
 75 100
 53 0.0 66.6 99.8#
 89 0.0 36.7 55.1#

