

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN061125\
 Data File : VN086957.D
 Acq On : 11 Jun 2025 18:26
 Operator : JC\MD
 Sample : Q2231-05
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 MW-17-20250604

Quant Time: Jun 12 01:37:59 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)

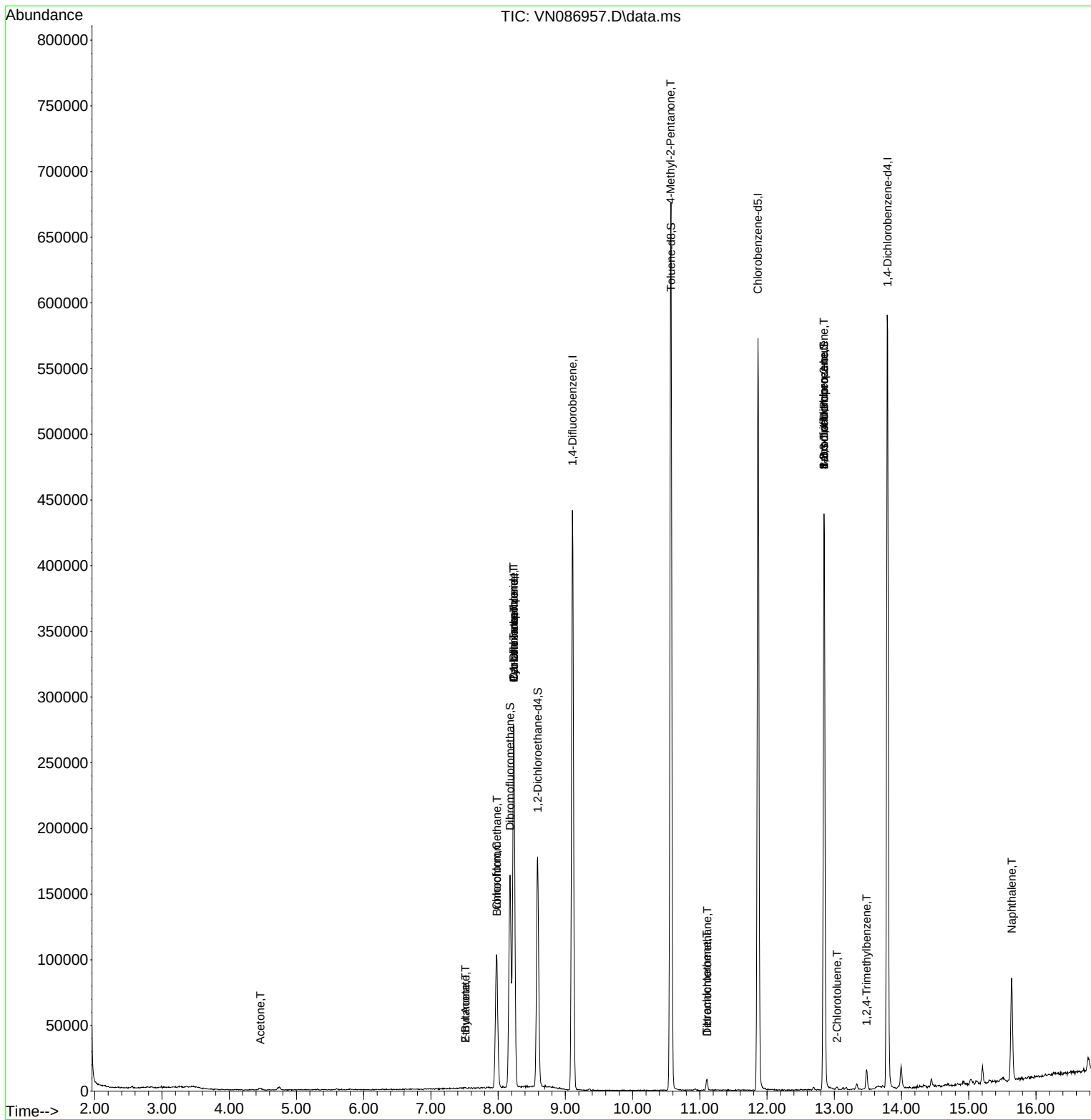
Internal Standards						
1) Pentafluorobenzene	8.235	168	224021	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.106	114	418211	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	365651	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.794	152	178134	50.000	ug/l	0.00

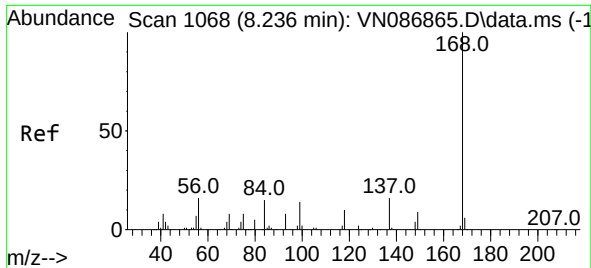
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.588	65	144229	48.086	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	=	96.180%
35) Dibromofluoromethane	8.177	113	123894	49.989	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	99.980%
50) Toluene-d8	10.571	98	503710	51.339	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	=	102.680%
62) 4-Bromofluorobenzene	12.847	95	181261	49.726	ug/l	0.00
Spiked Amount	50.000	Range	77 - 121	Recovery	=	99.460%

Target Compounds					Qvalue	
16) Acetone	4.465	43	2674	1.681	ug/l #	85
25) 2-Butanone	7.512	43	995	0.385	ug/l #	87
28) Bromochloromethane	7.982	49	6959	2.822	ug/l #	13
30) Chloroform	7.977	83	106785	21.316	ug/l	98
31) Cyclohexane	8.235	56	3754	0.772	ug/l #	1
36) 1,1-Dichloropropene	8.229	75	16583	4.490	ug/l #	46
37) Ethyl Acetate	7.512	43	995	0.212	ug/l #	66
38) Carbon Tetrachloride	8.229	117	21705	5.986	ug/l #	18
51) 4-Methyl-2-Pentanone	10.565	43	1639	0.361	ug/l #	1
60) Dibromochloromethane	11.112	129	2098	0.709	ug/l #	11
64) Tetrachloroethene	11.106	164	2147	0.928	ug/l	88
71) Bromoform	12.847	173	875	0.456	ug/l #	1
76) 1,2,3-Trichloropropane	12.847	75	80981	19.125	ug/l #	1
79) 2-Chlorotoluene	13.041	91	2459	0.260	ug/l #	42
81) trans-1,4-Dichloro-2-b...	12.847	75	80981	44.025	ug/l #	16
84) 1,2,4-Trimethylbenzene	13.482	105	9908	0.922	ug/l	97
95) Naphthalene	15.641	128	81884	6.124	ug/l	99

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

Quant Time: Jun 12 01:37:59 2025
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Quant Title : SW846 8260
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Response via : Initial Calibration

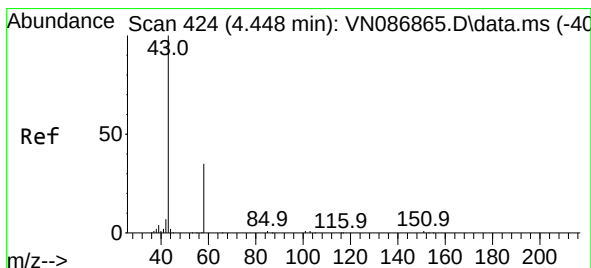
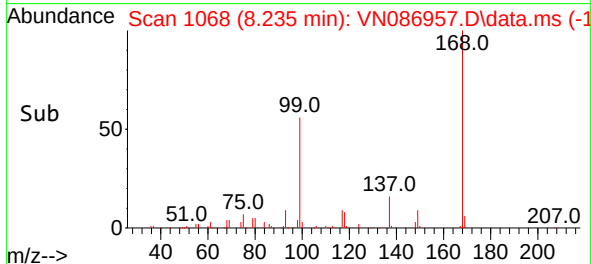
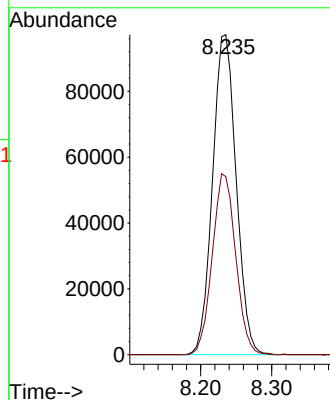
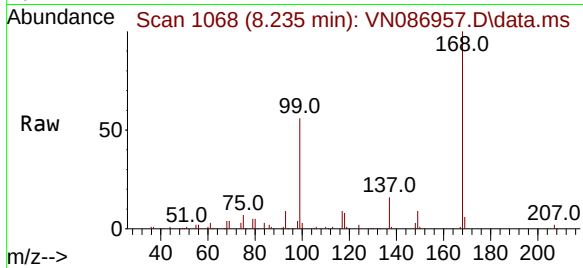




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.235 min Scan# 1068
Delta R.T. -0.001 min
Lab File: VN086957.D
Acq: 11 Jun 2025 18:26

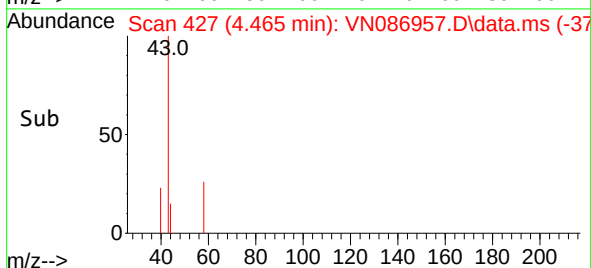
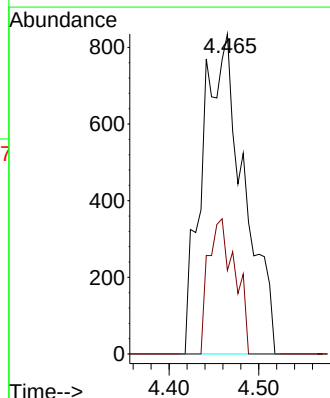
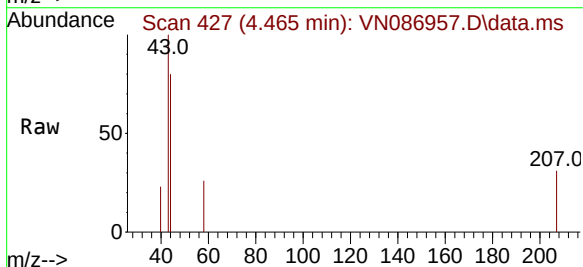
Instrument :
MSVOA_N
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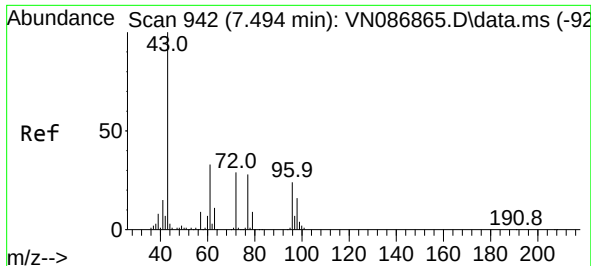
Tgt Ion:168 Resp: 224021
Ion Ratio Lower Upper
168 100
99 55.7 49.1 73.7



#16
Acetone
Concen: 1.681 ug/l
RT: 4.465 min Scan# 427
Delta R.T. 0.017 min
Lab File: VN086957.D
Acq: 11 Jun 2025 18:26

Tgt Ion: 43 Resp: 2674
Ion Ratio Lower Upper
43 100
58 26.1 28.0 42.0#

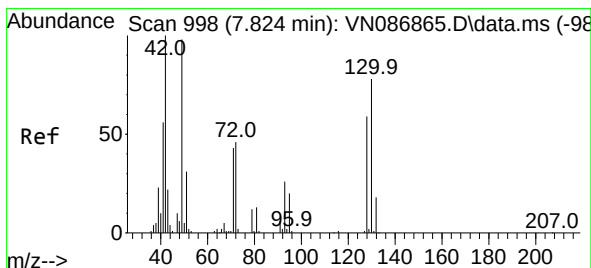
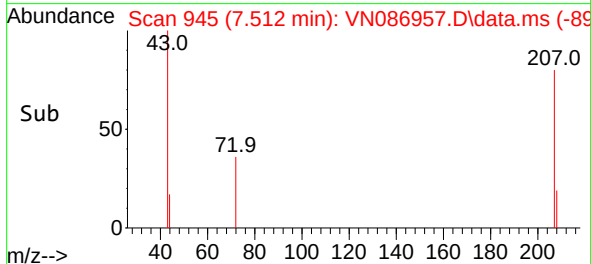
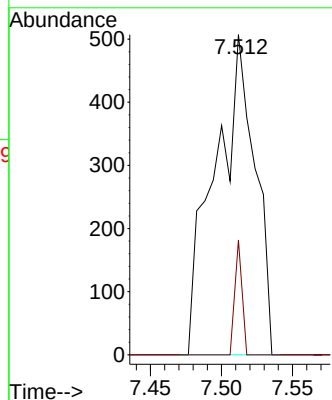
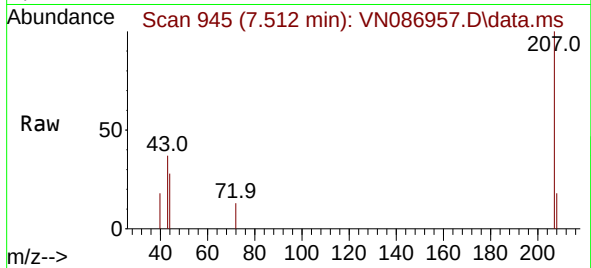




#25
2-Butanone
Concen: 0.385 ug/l
RT: 7.512 min Scan# 94
Delta R.T. 0.017 min
Lab File: VN086957.D
Acq: 11 Jun 2025 18:26

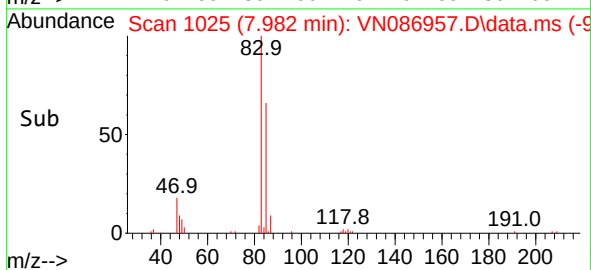
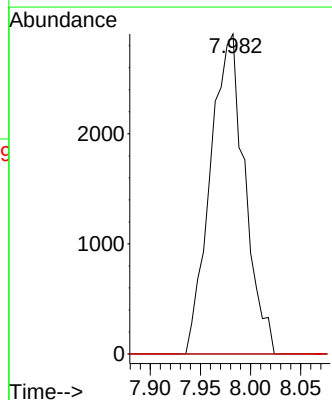
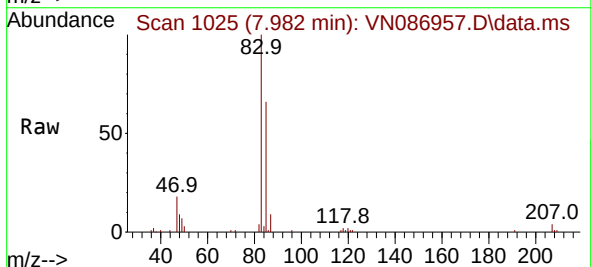
Instrument :
MSVOA_N
ClientSampleId :
MW-17-20250604

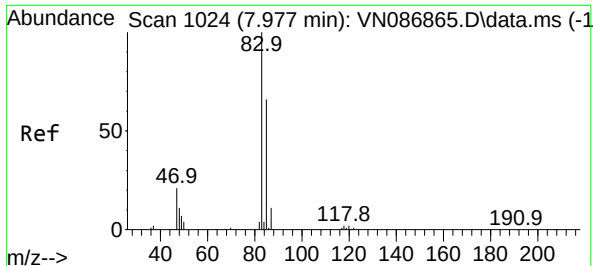
Tgt Ion: 43 Resp: 995
Ion Ratio Lower Upper
43 100
72 35.9 23.0 34.6#



#28
Bromochloromethane
Concen: 2.822 ug/l
RT: 7.982 min Scan# 1025
Delta R.T. 0.159 min
Lab File: VN086957.D
Acq: 11 Jun 2025 18:26

Tgt Ion: 49 Resp: 6959
Ion Ratio Lower Upper
49 100
129 0.0 0.0 3.8
130 0.0 62.2 93.2#





#30

Chloroform

Concen: 21.316 ug/l

RT: 7.977 min Scan# 1

Delta R.T. -0.000 min

Lab File: VN086957.D

Acq: 11 Jun 2025 18:26

Instrument :

MSVOA_N

ClientSampleId :

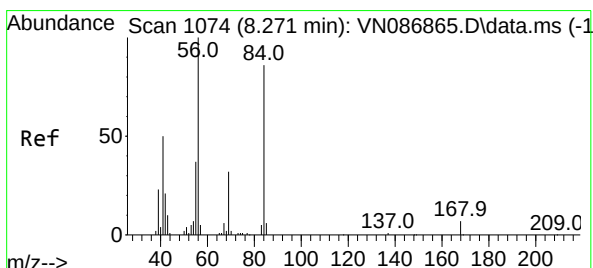
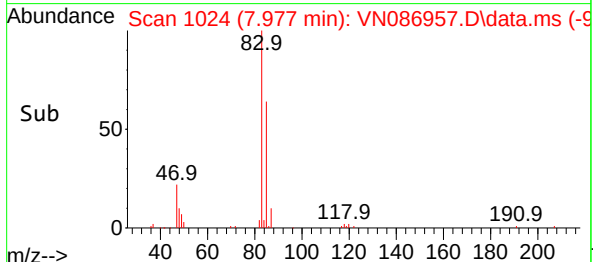
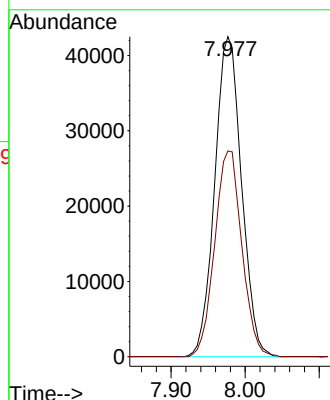
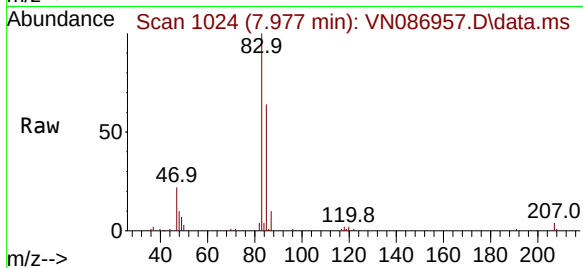
MW-17-20250604

Tgt Ion: 83 Resp: 106785

Ion Ratio Lower Upper

83 100

85 64.3 52.9 79.3



#31

Cyclohexane

Concen: 0.772 ug/l

RT: 8.235 min Scan# 1068

Delta R.T. -0.036 min

Lab File: VN086957.D

Acq: 11 Jun 2025 18:26

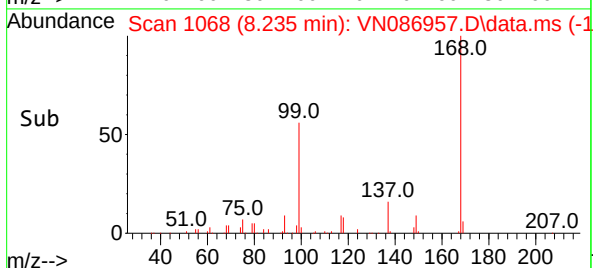
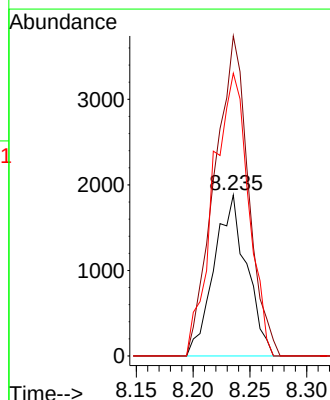
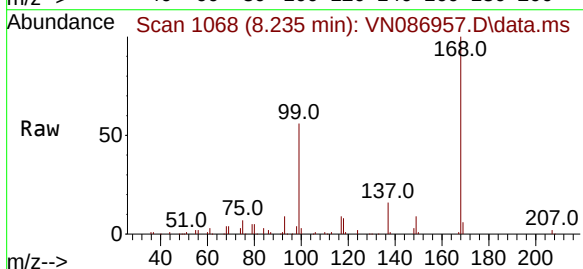
Tgt Ion: 56 Resp: 3754

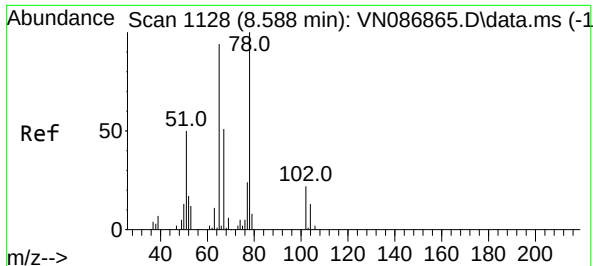
Ion Ratio Lower Upper

56 100

69 198.9 25.4 38.0#

84 175.7 68.8 103.2#





#33

1,2-Dichloroethane-d4

Concen: 48.086 ug/l

RT: 8.588 min Scan# 1128

Delta R.T. -0.000 min

Lab File: VN086957.D

Acq: 11 Jun 2025 18:26

Instrument :

MSVOA_N

ClientSampleId :

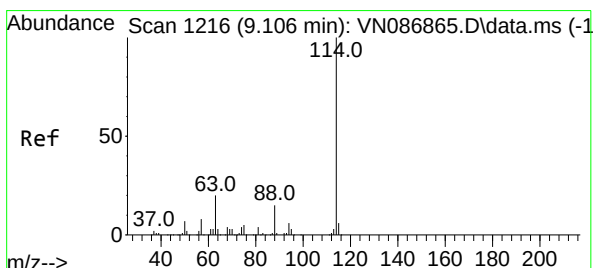
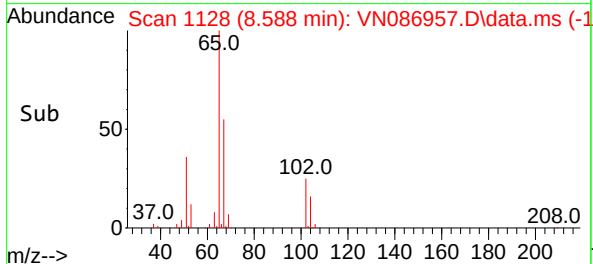
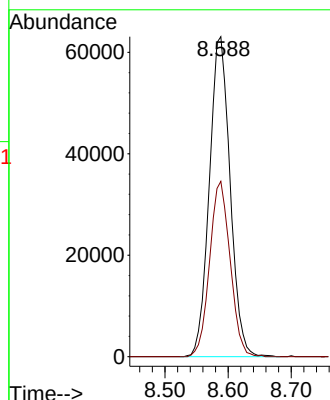
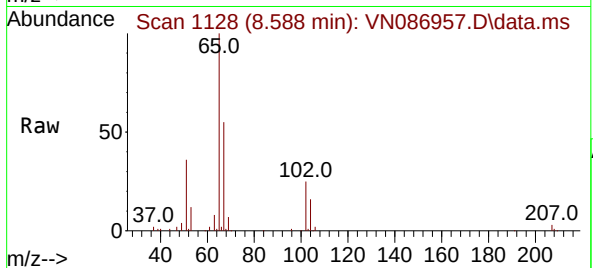
MW-17-20250604

Tgt Ion: 65 Resp: 144229

Ion Ratio Lower Upper

65 100

67 54.1 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: VN086957.D

Acq: 11 Jun 2025 18:26

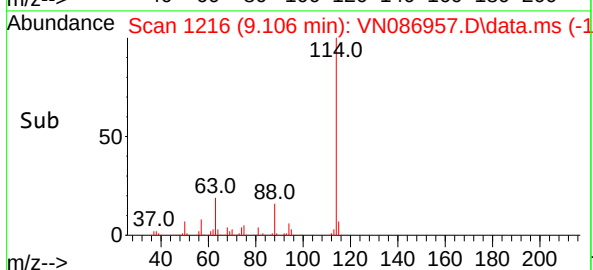
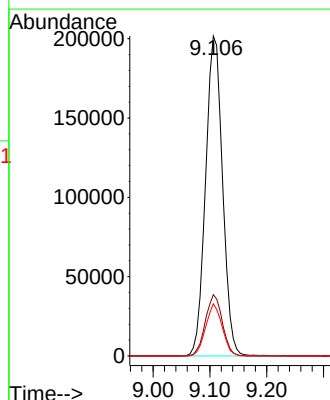
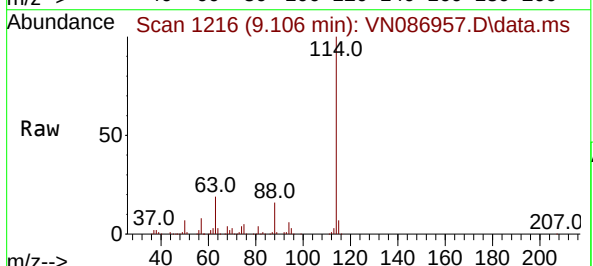
Tgt Ion: 114 Resp: 418211

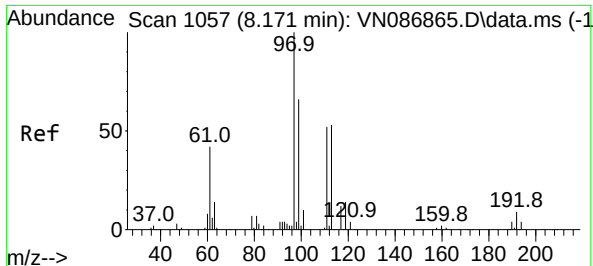
Ion Ratio Lower Upper

114 100

63 19.1 0.0 39.6

88 16.3 0.0 30.2

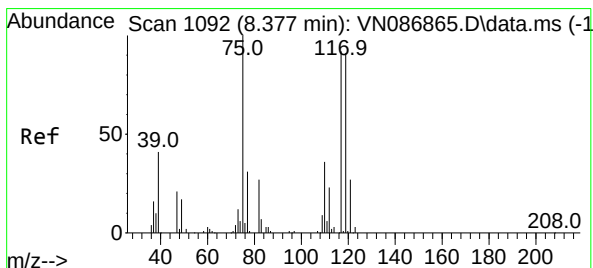
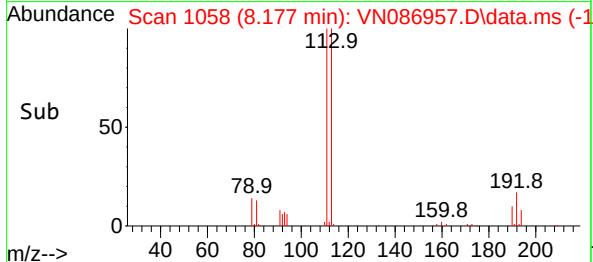
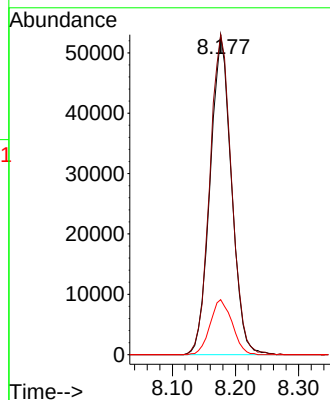
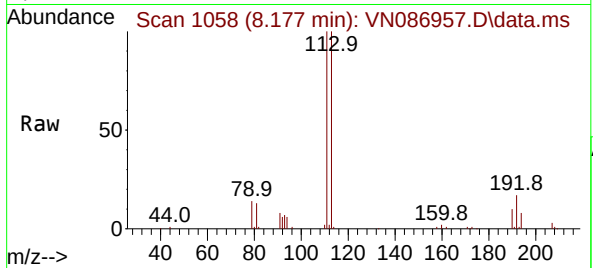




#35
Dibromofluoromethane
Concen: 49.989 ug/l
RT: 8.177 min Scan# 1057
Delta R.T. 0.006 min
Lab File: VN086957.D
Acq: 11 Jun 2025 18:26

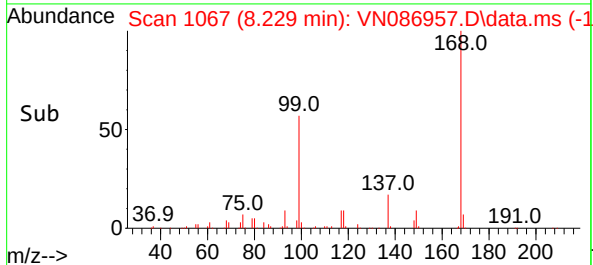
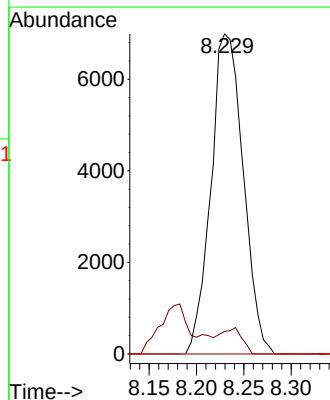
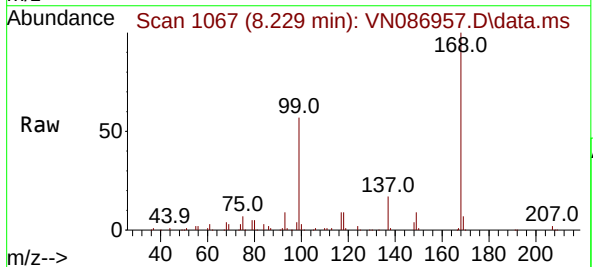
Instrument :
MSVOA_N
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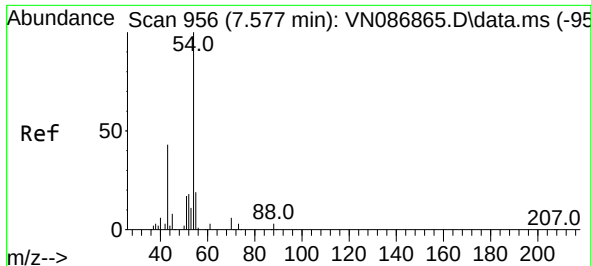
Tgt Ion:113 Resp: 123894
Ion Ratio Lower Upper
113 100
111 102.8 84.2 126.2
192 17.8 14.2 21.4



#36
1,1-Dichloropropene
Concen: 4.490 ug/l
RT: 8.229 min Scan# 1067
Delta R.T. -0.147 min
Lab File: VN086957.D
Acq: 11 Jun 2025 18:26

Tgt Ion: 75 Resp: 16583
Ion Ratio Lower Upper
75 100
110 5.5 17.6 52.9#
77 0.0 25.3 37.9#





#37

Ethyl Acetate

Concen: 0.212 ug/l

RT: 7.512 min Scan# 945

Delta R.T. -0.065 min

Lab File: VN086957.D

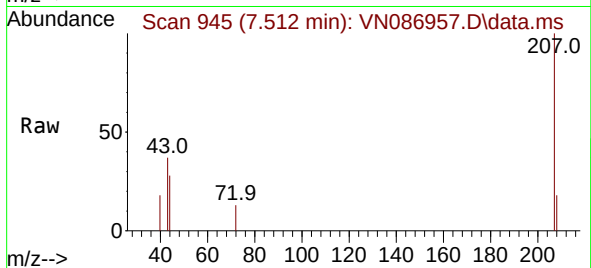
Acq: 11 Jun 2025 18:26

Instrument :

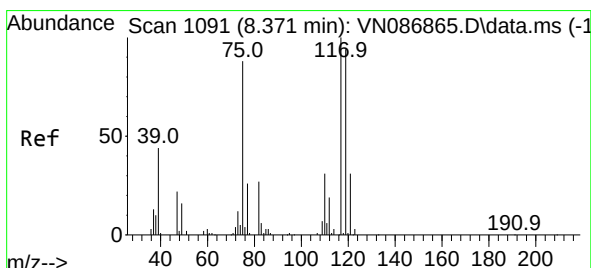
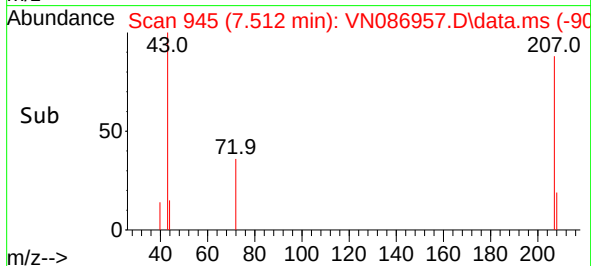
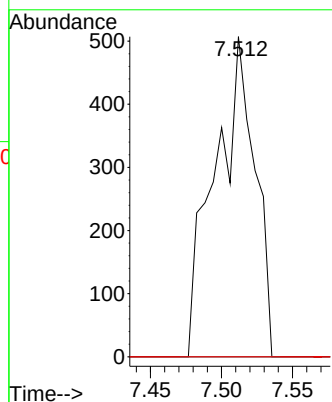
MSVOA_N

ClientSampleId :

MW-17-20250604



Tgt Ion:	43	Resp:	995
Ion	Ratio	Lower	Upper
43	100		
61	0.0	12.1	18.1#
70	0.0	9.8	14.6#



#38

Carbon Tetrachloride

Concen: 5.986 ug/l

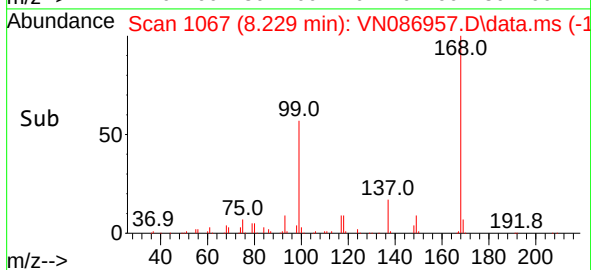
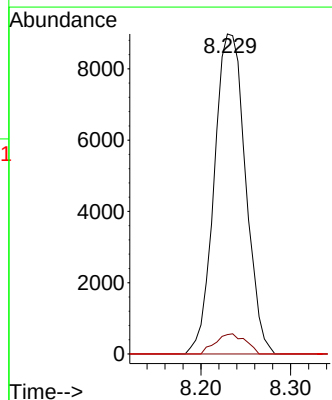
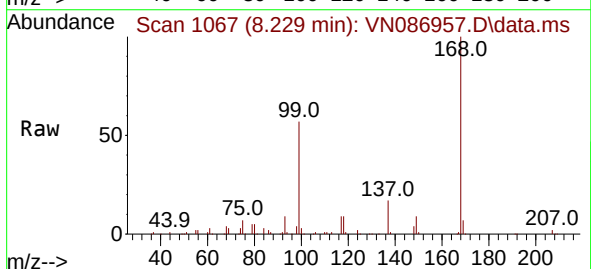
RT: 8.229 min Scan# 1067

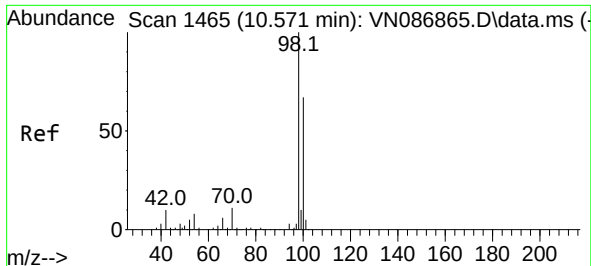
Delta R.T. -0.141 min

Lab File: VN086957.D

Acq: 11 Jun 2025 18:26

Tgt Ion:	117	Resp:	21705
Ion	Ratio	Lower	Upper
117	100		
119	6.1	75.0	112.6#
121	0.0	24.9	37.3#

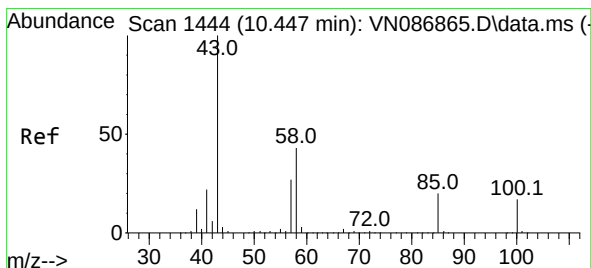
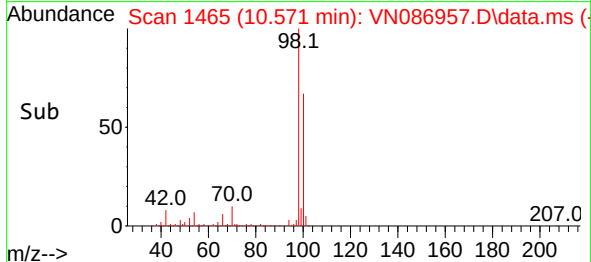
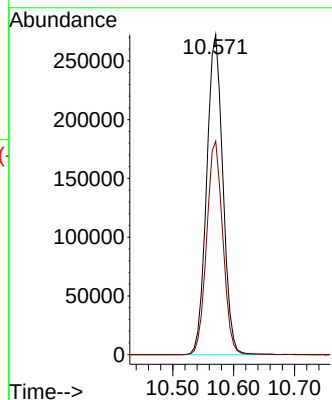
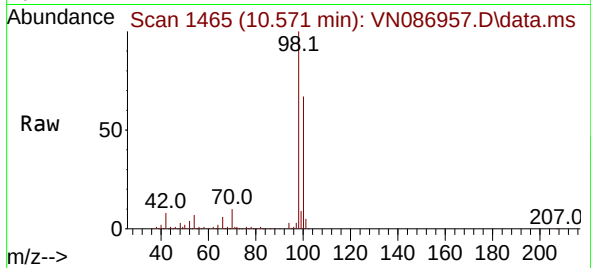




#50
Toluene-d8
Concen: 51.339 ug/l
RT: 10.571 min Scan# 1465
Delta R.T. -0.000 min
Lab File: VN086957.D
Acq: 11 Jun 2025 18:26

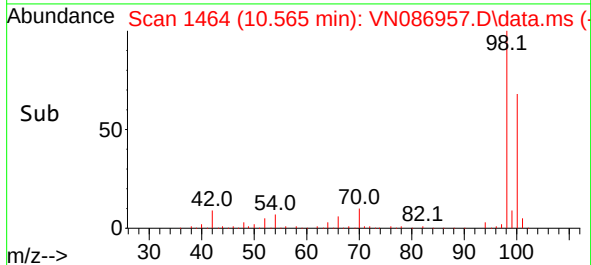
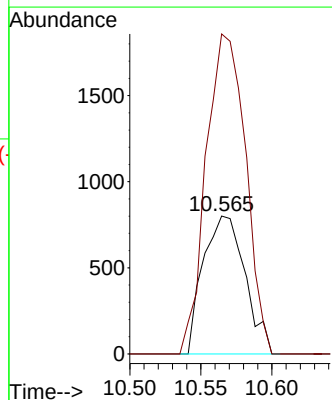
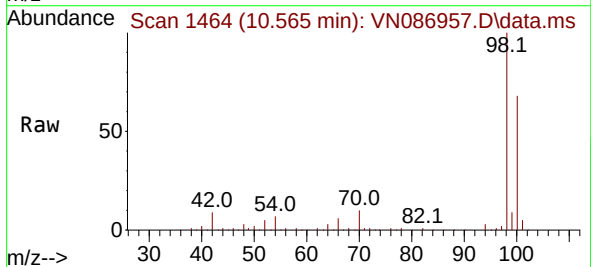
Instrument :
MSVOA_N
ClientSampleId :
MW-17-20250604

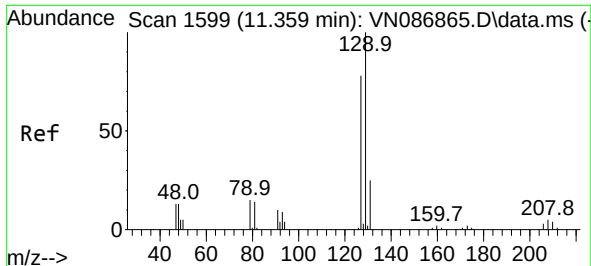
Tgt Ion: 98 Resp: 503710
Ion Ratio Lower Upper
98 100
100 66.5 53.4 80.0



#51
4-Methyl-2-Pentanone
Concen: 0.361 ug/l
RT: 10.565 min Scan# 1464
Delta R.T. 0.117 min
Lab File: VN086957.D
Acq: 11 Jun 2025 18:26

Tgt Ion: 43 Resp: 1639
Ion Ratio Lower Upper
43 100
58 219.5 34.2 51.4#

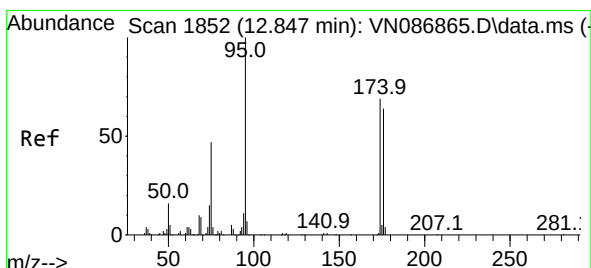
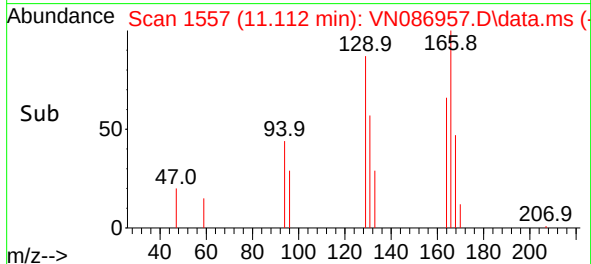
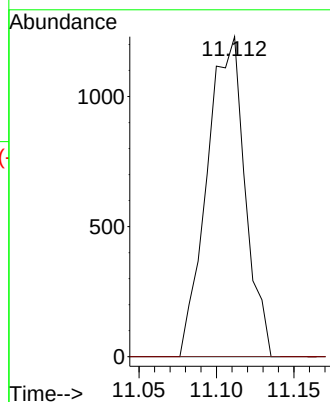
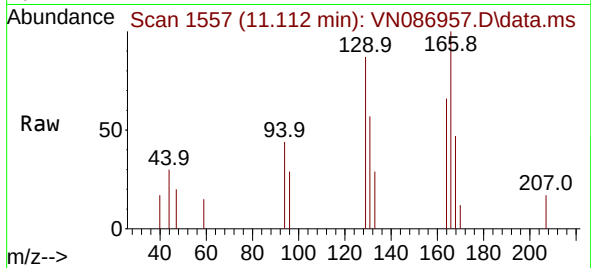




#60
Dibromochloromethane
Concen: 0.709 ug/l
RT: 11.112 min Scan# 11
Delta R.T. -0.247 min
Lab File: VN086957.D
Acq: 11 Jun 2025 18:26

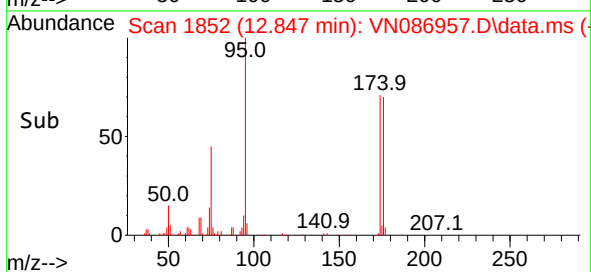
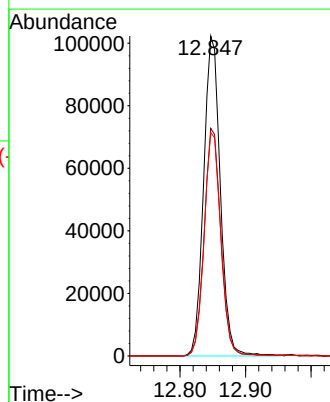
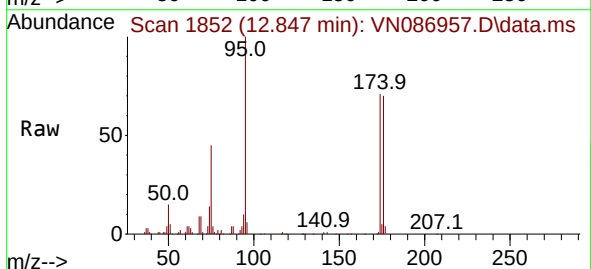
Instrument :
MSVOA_N
ClientSampleId :
MW-17-20250604

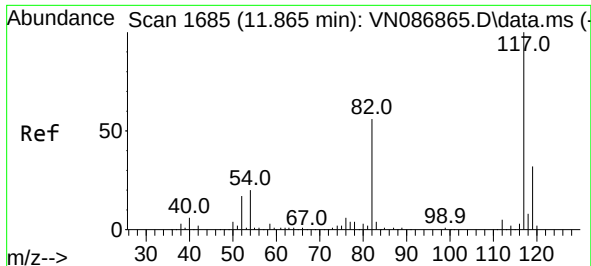
Tgt Ion:129 Resp: 2098
Ion Ratio Lower Upper
129 100
127 0.0 38.6 115.8#



#62
4-Bromofluorobenzene
Concen: 49.726 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. -0.000 min
Lab File: VN086957.D
Acq: 11 Jun 2025 18:26

Tgt Ion: 95 Resp: 181261
Ion Ratio Lower Upper
95 100
174 70.9 0.0 141.8
176 70.0 0.0 132.6

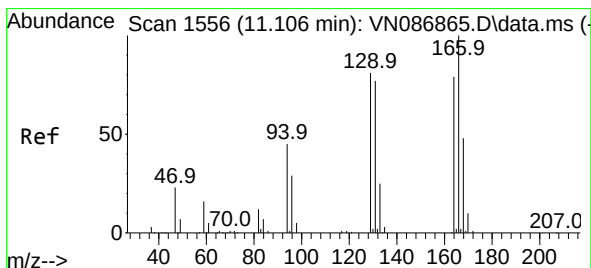
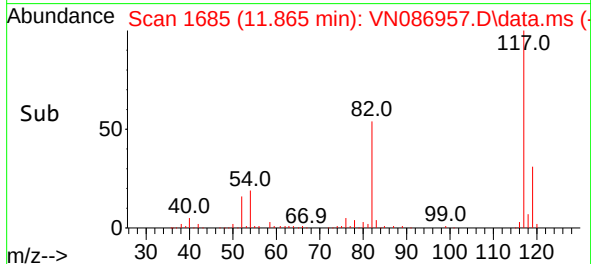
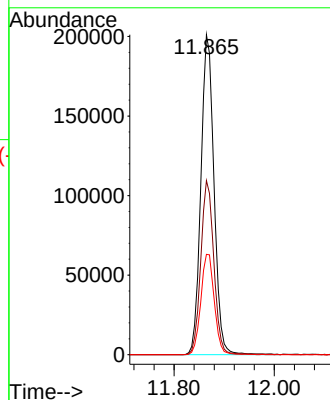
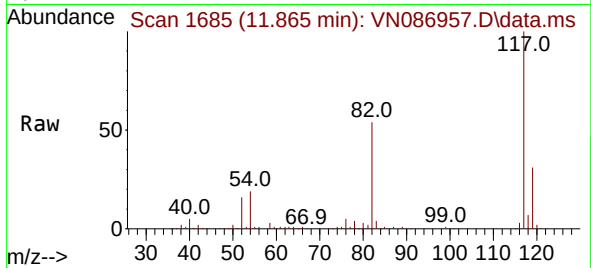




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.865 min Scan# 117
Delta R.T. -0.000 min
Lab File: VN086957.D
Acq: 11 Jun 2025 18:26

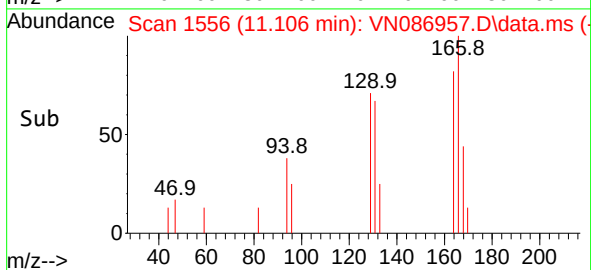
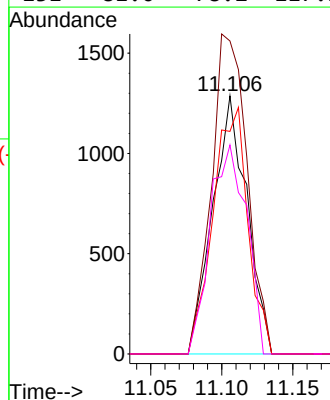
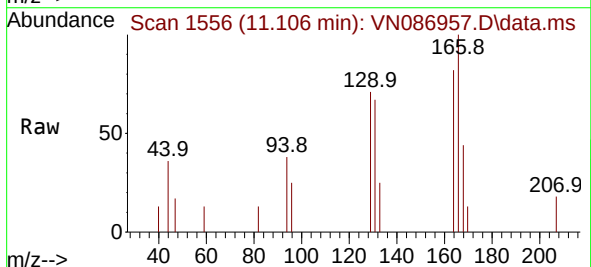
Instrument :
MSVOA_N
ClientSampleId :
MW-17-20250604

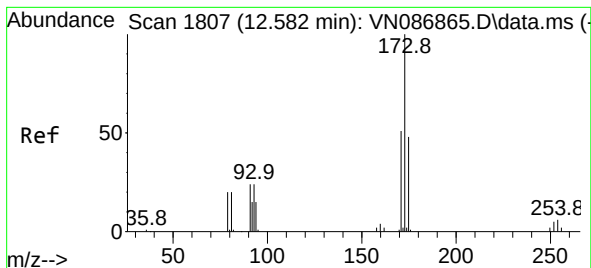
Tgt Ion:117 Resp: 365651
Ion Ratio Lower Upper
117 100
82 54.4 44.6 67.0
119 31.3 25.5 38.3



#64
Tetrachloroethene
Concen: 0.928 ug/l
RT: 11.106 min Scan# 1556
Delta R.T. -0.000 min
Lab File: VN086957.D
Acq: 11 Jun 2025 18:26

Tgt Ion:164 Resp: 2147
Ion Ratio Lower Upper
164 100
166 121.3 101.8 152.8
129 86.2 83.0 124.4
131 81.0 78.2 117.2





#71

Bromoform

Concen: 0.456 ug/l

RT: 12.847 min Scan# 1807

Delta R.T. 0.264 min

Lab File: VN086957.D

Acq: 11 Jun 2025 18:26

Instrument :

MSVOA_N

ClientSampleId :

MW-17-20250604

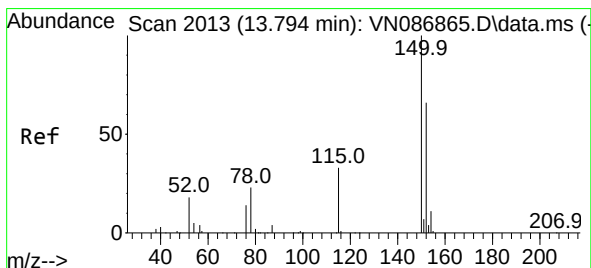
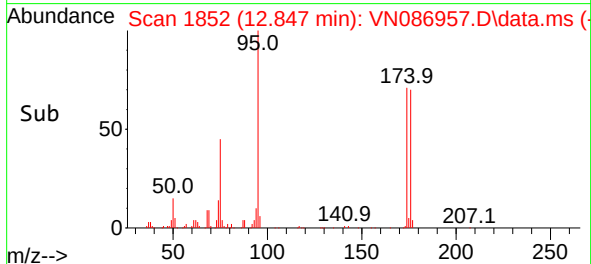
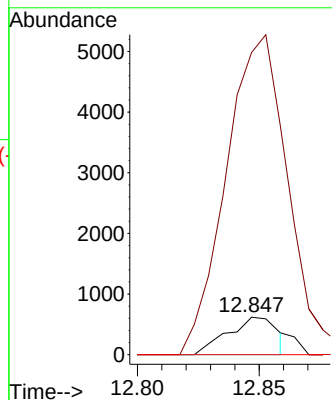
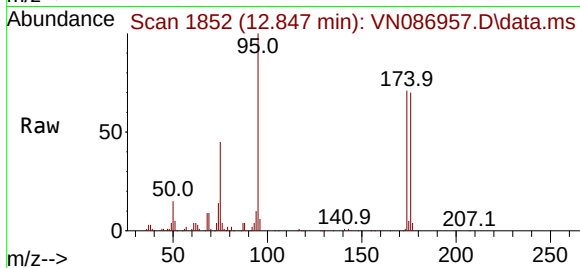
Tgt Ion:173 Resp: 875

Ion Ratio Lower Upper

173 100

175 917.3 24.1 72.4#

254 0.0 0.0 0.0



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.794 min Scan# 2013

Delta R.T. -0.000 min

Lab File: VN086957.D

Acq: 11 Jun 2025 18:26

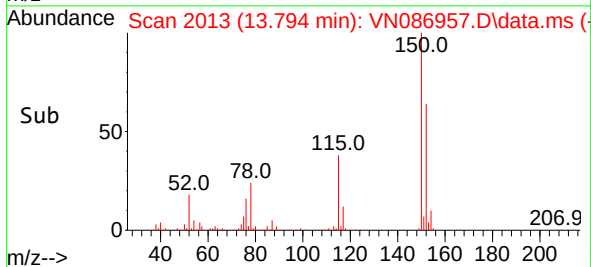
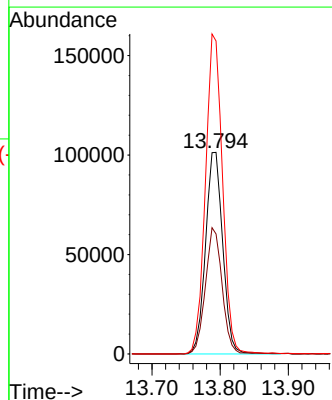
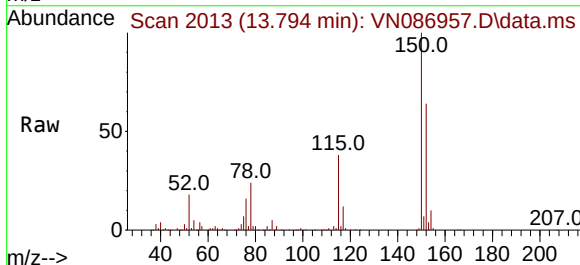
Tgt Ion:152 Resp: 178134

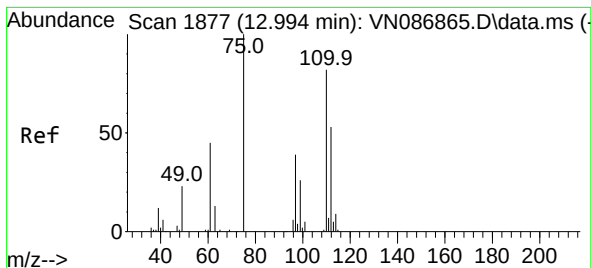
Ion Ratio Lower Upper

152 100

115 61.1 30.1 90.5

150 157.4 0.0 345.0





#76

1,2,3-Trichloropropane

Concen: 19.125 ug/l

RT: 12.847 min Scan# 1852

Delta R.T. -0.147 min

Lab File: VN086957.D

Acq: 11 Jun 2025 18:26

Instrument :

MSVOA_N

ClientSampleId :

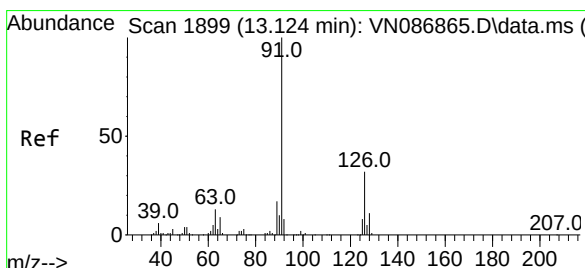
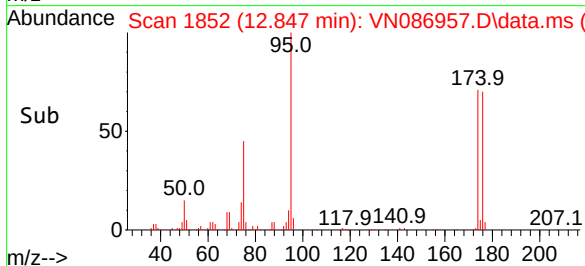
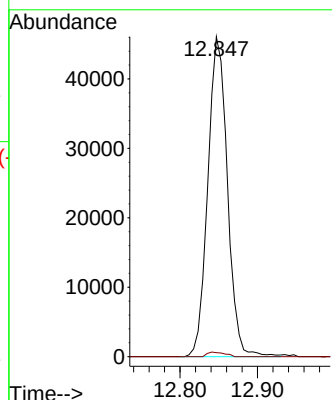
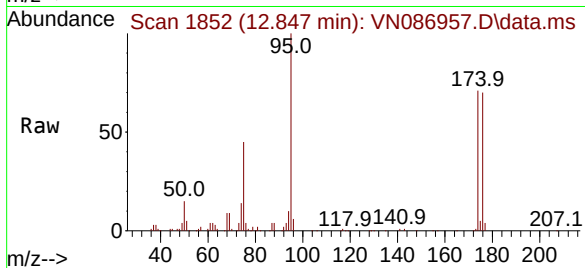
MW-17-20250604

Tgt Ion: 75 Resp: 80981

Ion Ratio Lower Upper

75 100

77 1.3 79.3 237.9#



#79

2-Chlorotoluene

Concen: 0.260 ug/l

RT: 13.041 min Scan# 1885

Delta R.T. -0.083 min

Lab File: VN086957.D

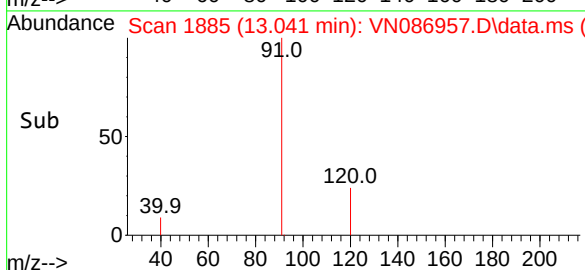
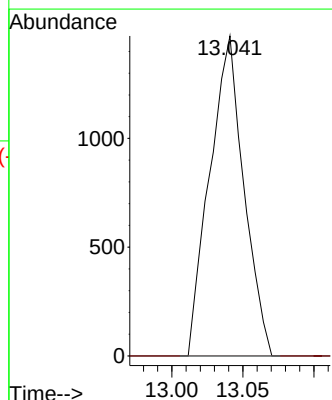
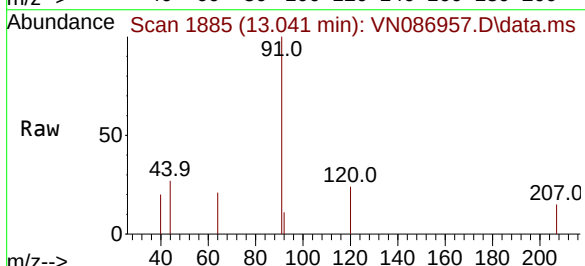
Acq: 11 Jun 2025 18:26

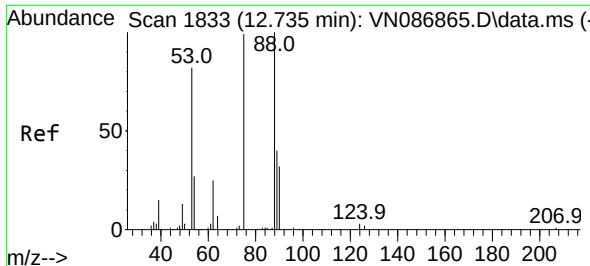
Tgt Ion: 91 Resp: 2459

Ion Ratio Lower Upper

91 100

126 0.0 16.2 48.5#

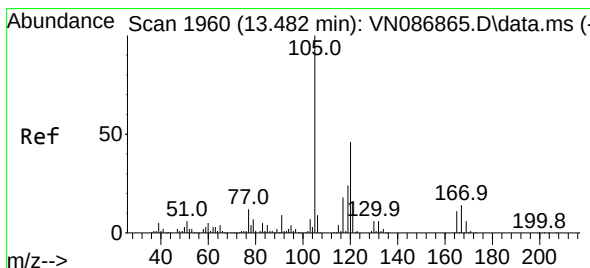
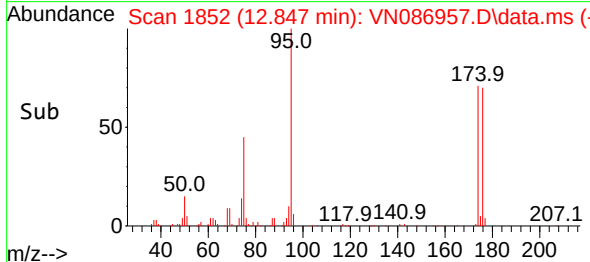
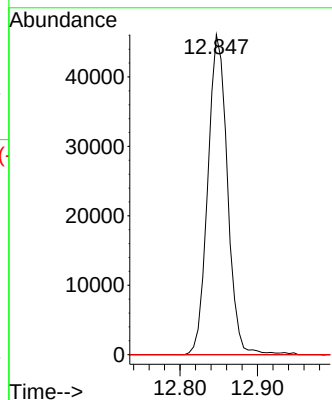
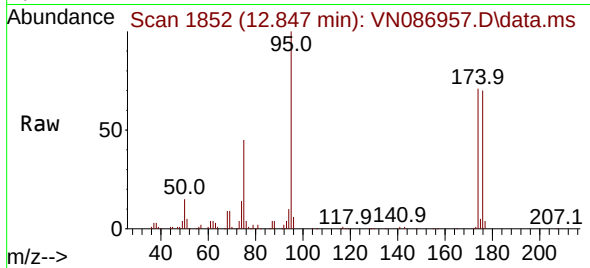




#81
trans-1,4-Dichloro-2-butene
Concen: 44.025 ug/l
RT: 12.847 min Scan# 1833
Delta R.T. 0.112 min
Lab File: VN086957.D
Acq: 11 Jun 2025 18:26

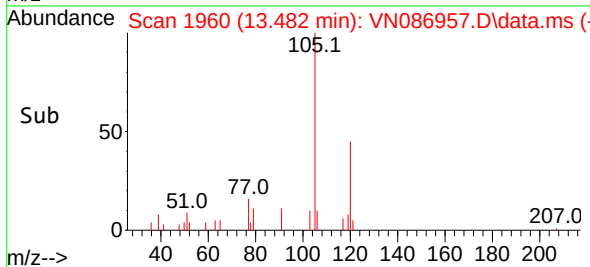
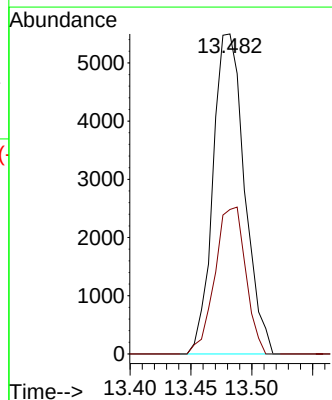
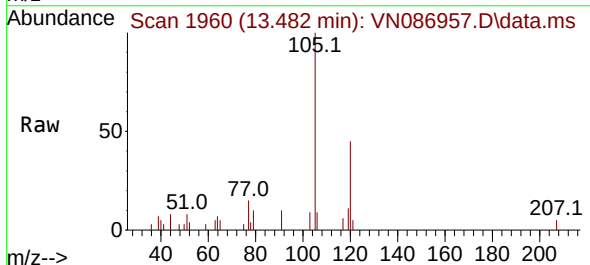
Instrument :
MSVOA_N
ClientSampleId :
MW-17-20250604

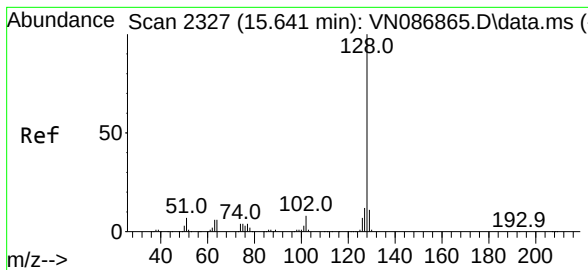
Tgt Ion: 75 Resp: 80981
Ion Ratio Lower Upper
75 100
53 0.0 66.6 99.8#
89 0.0 36.7 55.1#



#84
1,2,4-Trimethylbenzene
Concen: 0.922 ug/l
RT: 13.482 min Scan# 1960
Delta R.T. -0.000 min
Lab File: VN086957.D
Acq: 11 Jun 2025 18:26

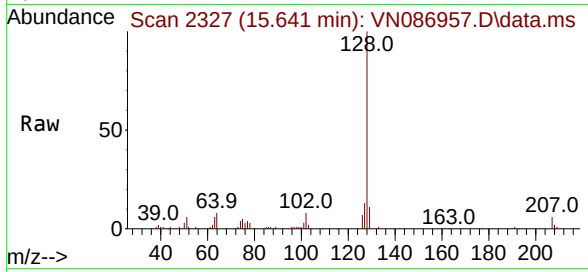
Tgt Ion: 105 Resp: 9908
Ion Ratio Lower Upper
105 100
120 44.7 23.2 69.6





#95
Naphthalene
Concen: 6.124 ug/l
RT: 15.641 min Scan# 21
Delta R.T. -0.000 min
Lab File: VN086957.D
Acq: 11 Jun 2025 18:26

Instrument :
MSVOA_N
ClientSampleId :
MW-17-20250604



Tgt Ion:	128	Resp:	81884
Ion	Ratio	Lower	Upper
128	100		
127	12.5	10.2	15.2
129	11.3	8.8	13.2

