

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN061925\
 Data File : VN087109.D
 Acq On : 19 Jun 2025 14:21
 Operator : JC\MD
 Sample : Q2333-04
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 MW-11

Quant Time: Jun 20 01:25:19 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)

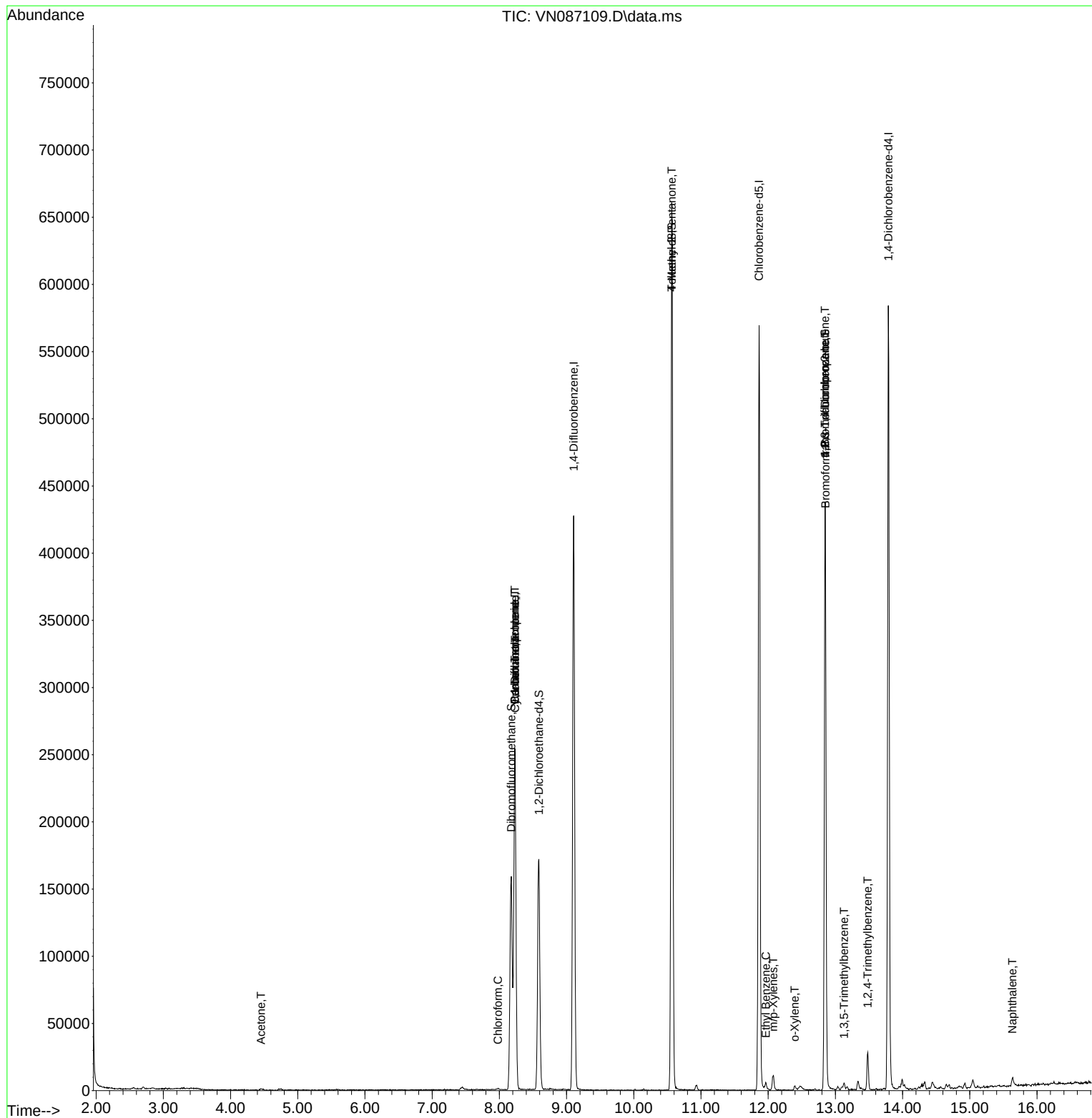
Internal Standards						
1) Pentafluorobenzene	8.229	168	203941	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.106	114	406474	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	369075	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.788	152	174687	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.588	65	143926	52.710	ug/l	0.00
Spiked Amount	50.000	Range 74 - 125	Recovery	= 105.420%		
35) Dibromofluoromethane	8.177	113	123998	51.476	ug/l	0.00
Spiked Amount	50.000	Range 75 - 124	Recovery	= 102.960%		
50) Toluene-d8	10.565	98	500608	52.496	ug/l	0.00
Spiked Amount	50.000	Range 86 - 113	Recovery	= 105.000%		
62) 4-Bromofluorobenzene	12.847	95	177106	49.989	ug/l	0.00
Spiked Amount	50.000	Range 77 - 121	Recovery	= 99.980%		
Target Compounds						
						Qvalue
16) Acetone	4.453	43	1853	1.280	ug/l	90
30) Chloroform	7.977	83	1018	0.223	ug/l	94
31) Cyclohexane	8.235	56	3321	0.750	ug/l #	1
36) 1,1-Dichloropropene	8.229	75	14760	4.112	ug/l #	49
38) Carbon Tetrachloride	8.229	117	18956	5.379	ug/l #	16
51) 4-Methyl-2-Pentanone	10.565	43	1668	0.378	ug/l #	1
67) Ethyl Benzene	11.965	91	4136	0.295	ug/l	100
68) m/p-Xylenes	12.076	106	4223	0.787	ug/l	94
69) o-Xylene	12.394	106	1346	0.262	ug/l	99
71) Bromoform	12.853	173	920	0.475	ug/l #	1
76) 1,2,3-Trichloropropane	12.847	75	79931	19.249	ug/l #	1
80) 1,3,5-Trimethylbenzene	13.129	105	3608	0.343	ug/l	88
81) trans-1,4-Dichloro-2-b...	12.847	75	79931	44.311	ug/l #	16
84) 1,2,4-Trimethylbenzene	13.482	105	17583	1.669	ug/l	97
95) Naphthalene	15.635	128	7998	0.610	ug/l	96

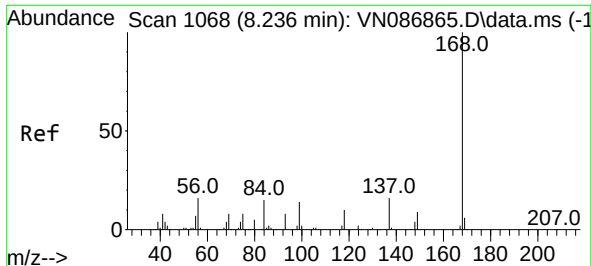
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Time: Jun 20 01:25:19 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

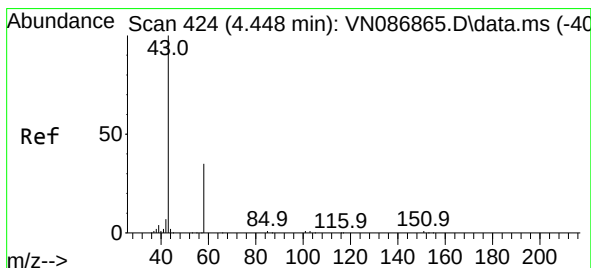
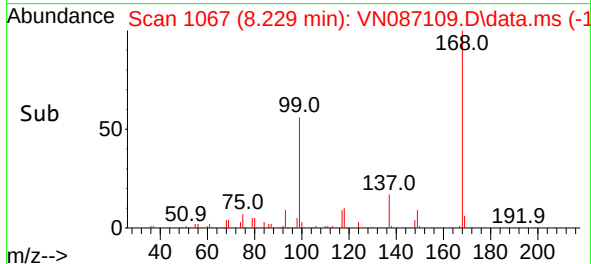
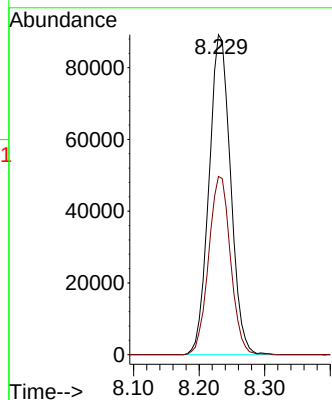
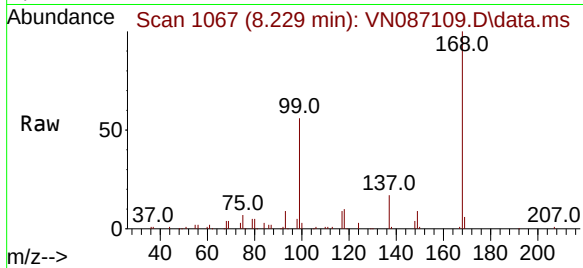




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.229 min Scan# 1067
Delta R.T. -0.007 min
Lab File: VN087109.D
Acq: 19 Jun 2025 14:21

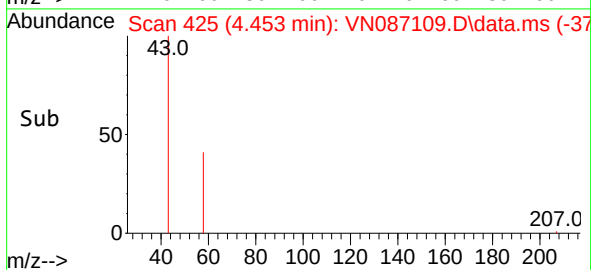
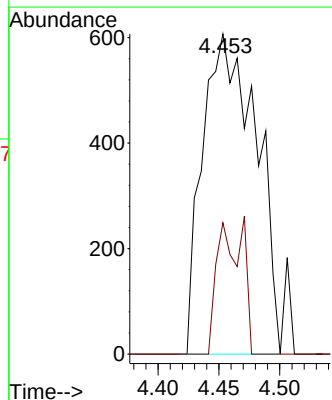
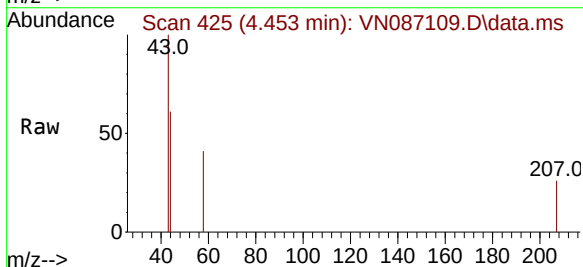
Instrument :
MSVOA_N
ClientSampleId :
MW-11

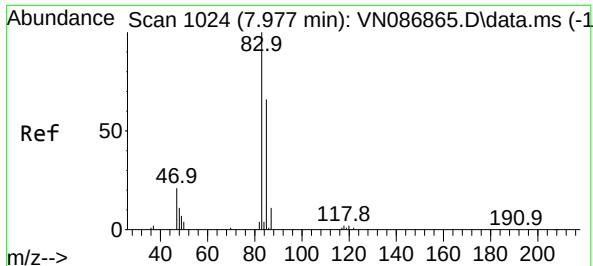
Tgt Ion:168 Resp: 203941
Ion Ratio Lower Upper
168 100
99 55.7 49.1 73.7



#16
Acetone
Concen: 1.280 ug/l
RT: 4.453 min Scan# 425
Delta R.T. 0.006 min
Lab File: VN087109.D
Acq: 19 Jun 2025 14:21

Tgt Ion: 43 Resp: 1853
Ion Ratio Lower Upper
43 100
58 41.0 28.0 42.0





#30

Chloroform

Concen: 0.223 ug/l

RT: 7.977 min Scan# 1

Delta R.T. -0.000 min

Lab File: VN087109.D

Acq: 19 Jun 2025 14:21

Instrument :

MSVOA_N

ClientSampleId :

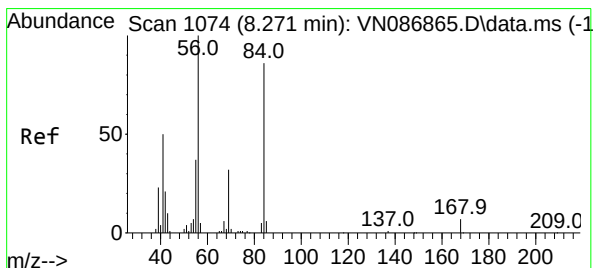
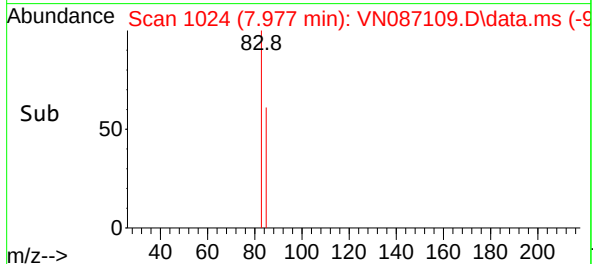
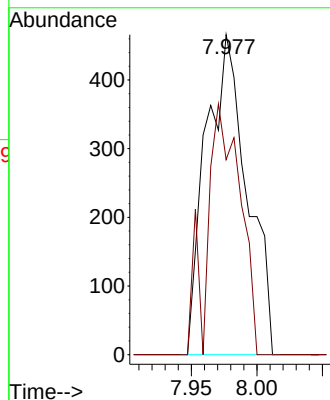
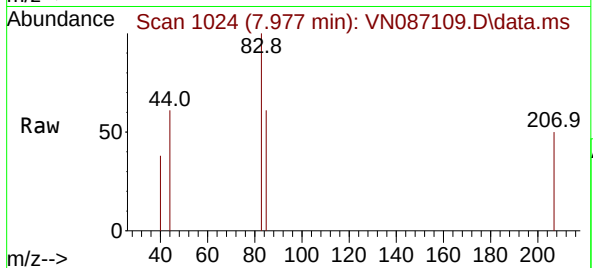
MW-11

Tgt Ion: 83 Resp: 1018

Ion Ratio Lower Upper

83 100

85 60.9 52.9 79.3



#31

Cyclohexane

Concen: 0.750 ug/l

RT: 8.235 min Scan# 1068

Delta R.T. -0.036 min

Lab File: VN087109.D

Acq: 19 Jun 2025 14:21

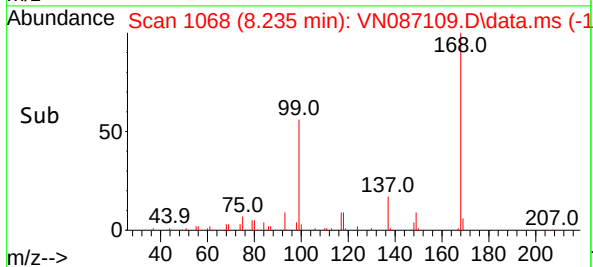
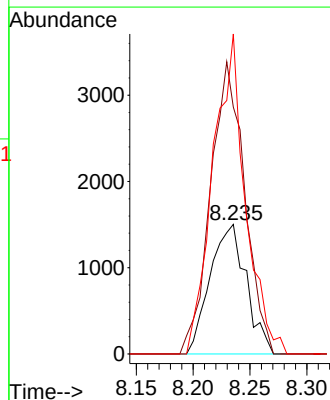
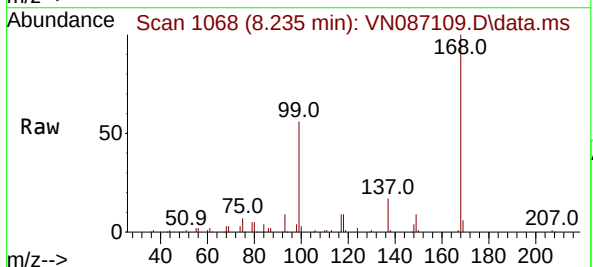
Tgt Ion: 56 Resp: 3321

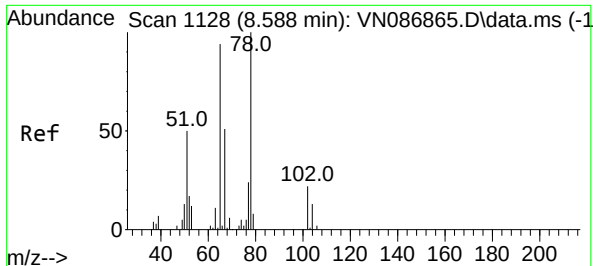
Ion Ratio Lower Upper

56 100

69 190.5 25.4 38.0#

84 247.0 68.8 103.2#





#33

1,2-Dichloroethane-d4

Concen: 52.710 ug/l

RT: 8.588 min Scan# 1128

Delta R.T. -0.000 min

Lab File: VN087109.D

Acq: 19 Jun 2025 14:21

Instrument :

MSVOA_N

ClientSampleId :

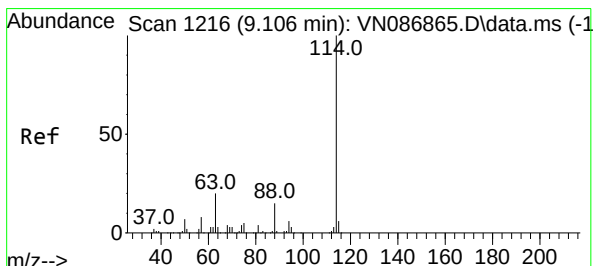
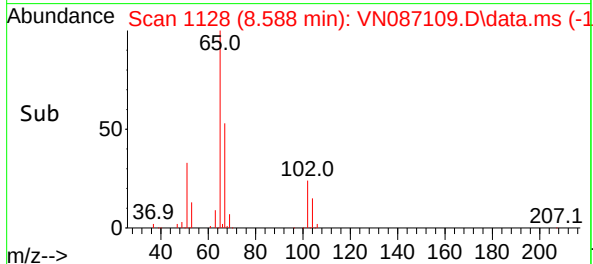
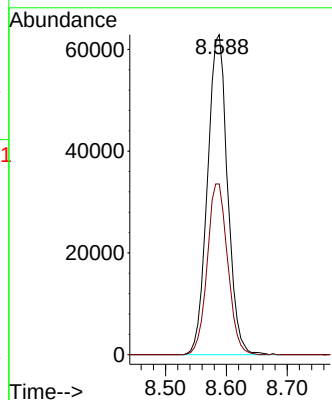
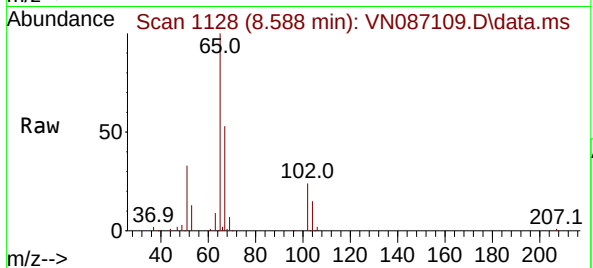
MW-11

Tgt Ion: 65 Resp: 143926

Ion Ratio Lower Upper

65 100

67 54.3 0.0 105.6



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 9.106 min Scan# 1216

Delta R.T. -0.000 min

Lab File: VN087109.D

Acq: 19 Jun 2025 14:21

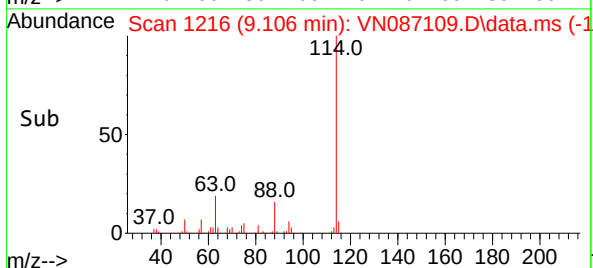
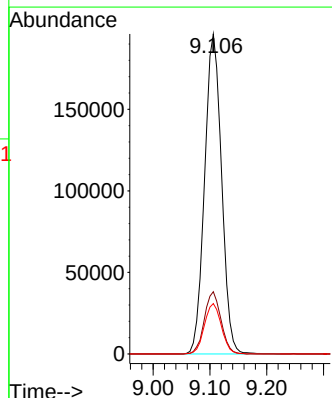
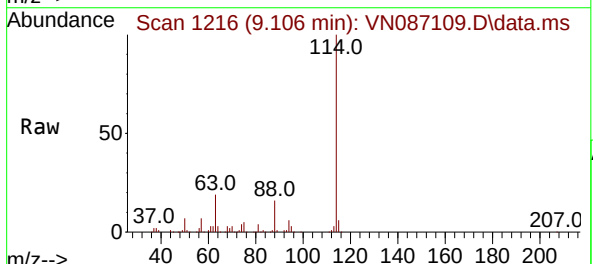
Tgt Ion: 114 Resp: 406474

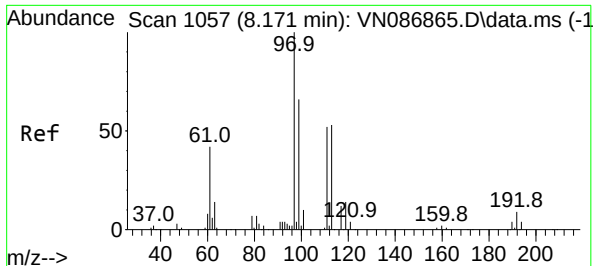
Ion Ratio Lower Upper

114 100

63 19.4 0.0 39.6

88 15.7 0.0 30.2





#35

Dibromofluoromethane

Concen: 51.476 ug/l

RT: 8.177 min Scan# 1057

Delta R.T. 0.006 min

Lab File: VN087109.D

Acq: 19 Jun 2025 14:21

Instrument :

MSVOA_N

ClientSampleId :

MW-11

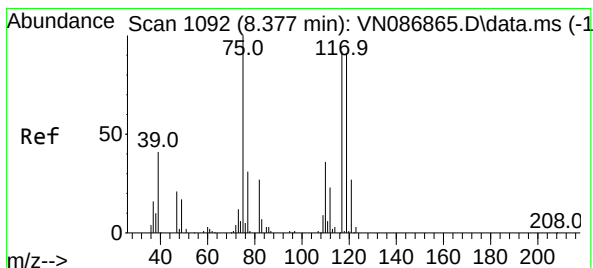
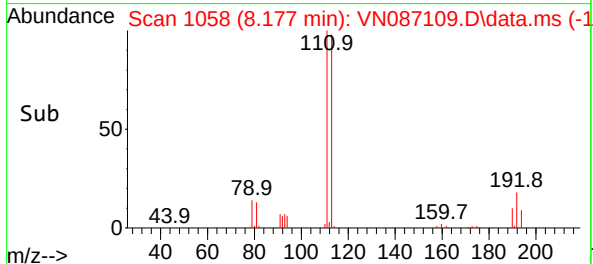
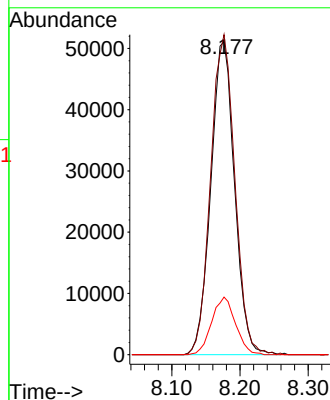
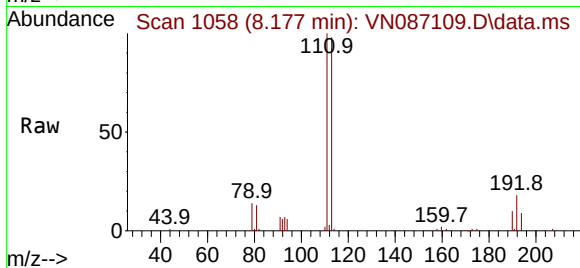
Tgt Ion:113 Resp: 123998

Ion Ratio Lower Upper

113 100

111 104.1 84.2 126.2

192 18.5 14.2 21.4



#36

1,1-Dichloropropene

Concen: 4.112 ug/l

RT: 8.229 min Scan# 1067

Delta R.T. -0.147 min

Lab File: VN087109.D

Acq: 19 Jun 2025 14:21

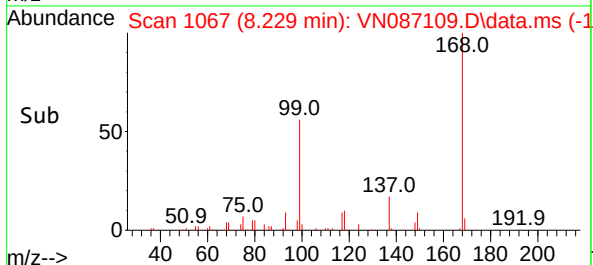
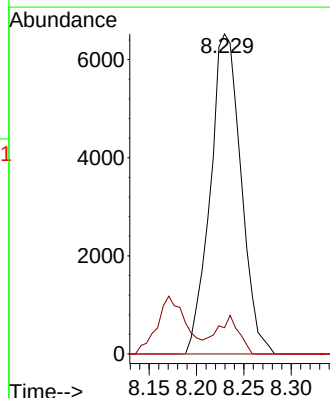
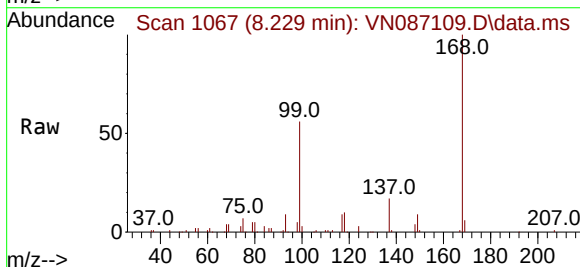
Tgt Ion: 75 Resp: 14760

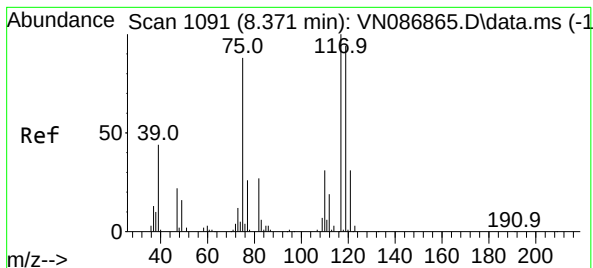
Ion Ratio Lower Upper

75 100

110 8.9 17.6 52.9#

77 0.0 25.3 37.9#





#38

Carbon Tetrachloride

Concen: 5.379 ug/l

RT: 8.229 min Scan# 1067

Delta R.T. -0.141 min

Lab File: VN087109.D

Acq: 19 Jun 2025 14:21

Instrument :

MSVOA_N

ClientSampleId :

MW-11

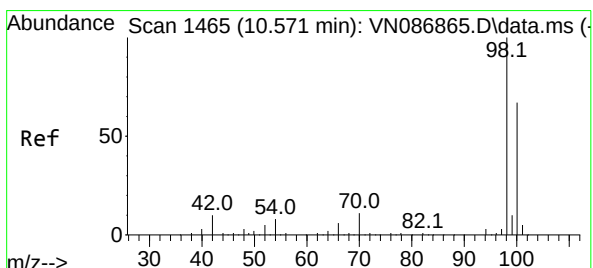
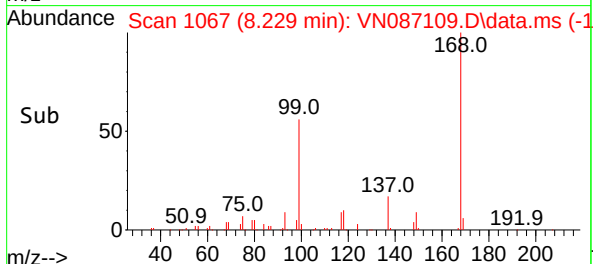
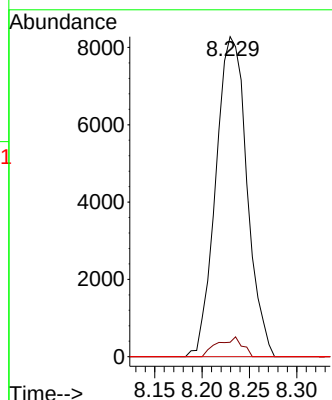
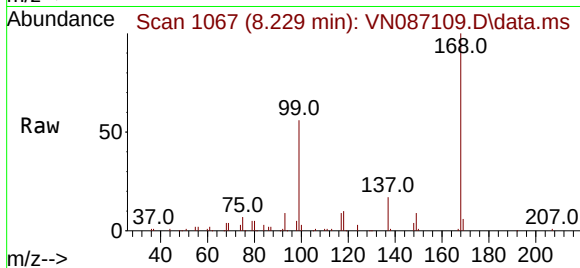
Tgt Ion:117 Resp: 18956

Ion Ratio Lower Upper

117 100

119 4.5 75.0 112.6#

121 0.0 24.9 37.3#



#50

Toluene-d8

Concen: 52.496 ug/l

RT: 10.565 min Scan# 1464

Delta R.T. -0.006 min

Lab File: VN087109.D

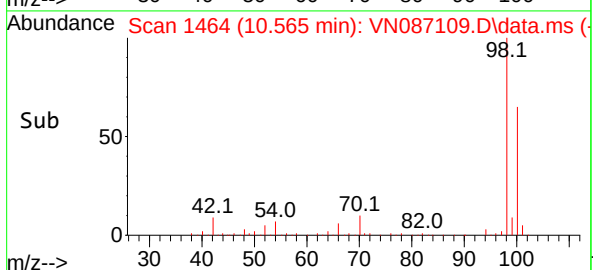
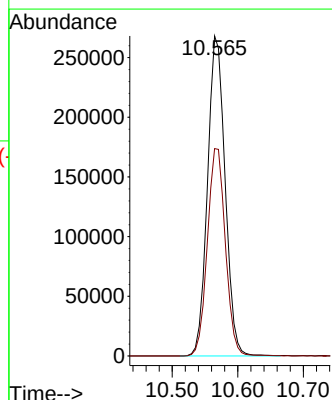
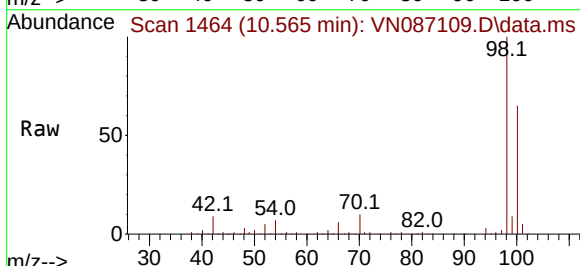
Acq: 19 Jun 2025 14:21

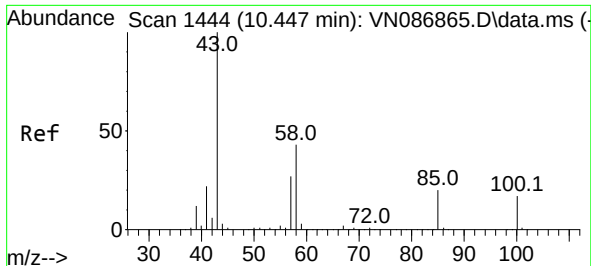
Tgt Ion: 98 Resp: 500608

Ion Ratio Lower Upper

98 100

100 66.3 53.4 80.0

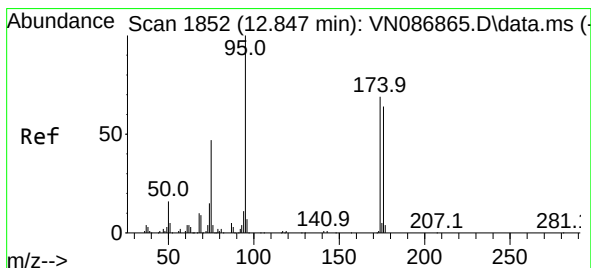
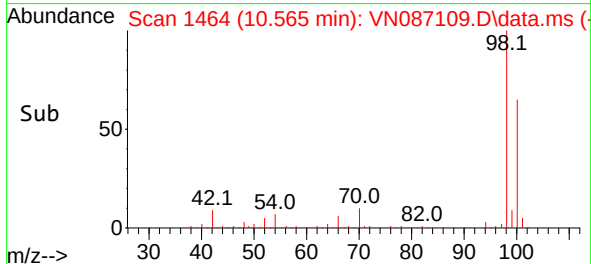
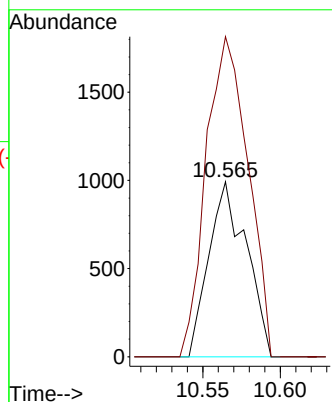
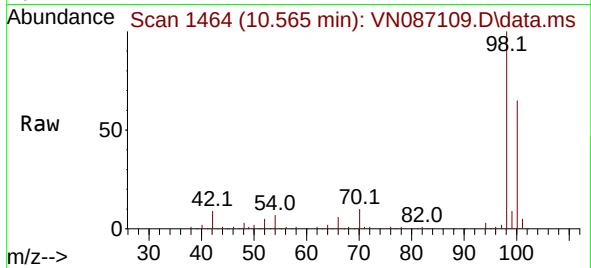




#51
4-Methyl-2-Pentanone
Concen: 0.378 ug/l
RT: 10.565 min Scan# 1444
Delta R.T. 0.117 min
Lab File: VN087109.D
Acq: 19 Jun 2025 14:21

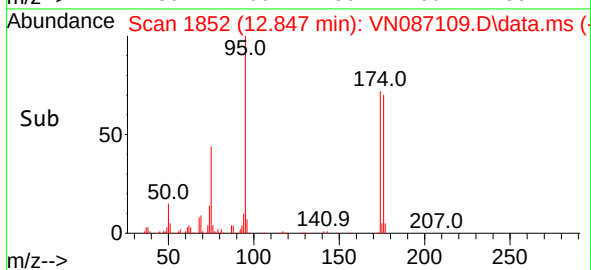
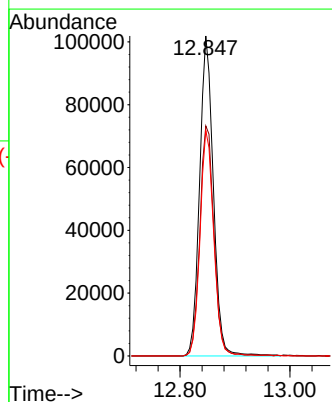
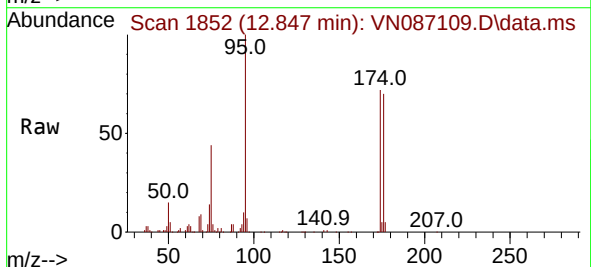
Instrument :
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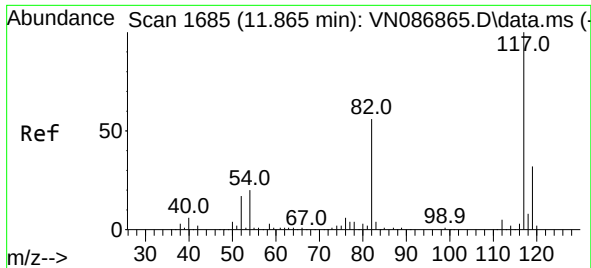
Tgt Ion: 43 Resp: 1668
Ion Ratio Lower Upper
43 100
58 204.8 34.2 51.4#



#62
4-Bromofluorobenzene
Concen: 49.989 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. -0.000 min
Lab File: VN087109.D
Acq: 19 Jun 2025 14:21

Tgt Ion: 95 Resp: 177106
Ion Ratio Lower Upper
95 100
174 73.7 0.0 141.8
176 70.2 0.0 132.6

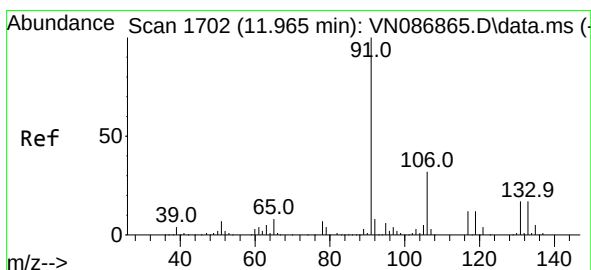
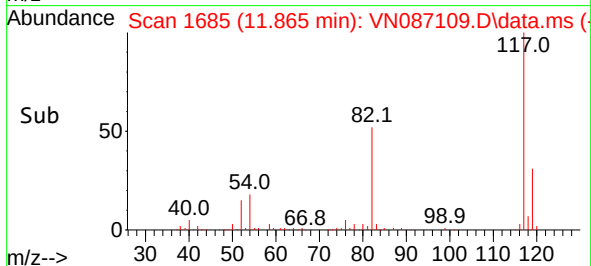
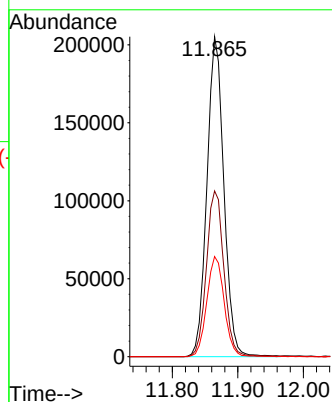
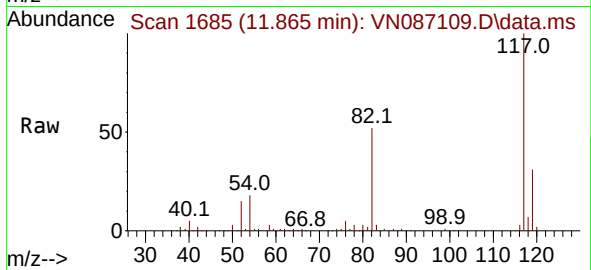




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.865 min Scan# 117
Delta R.T. -0.000 min
Lab File: VN087109.D
Acq: 19 Jun 2025 14:21

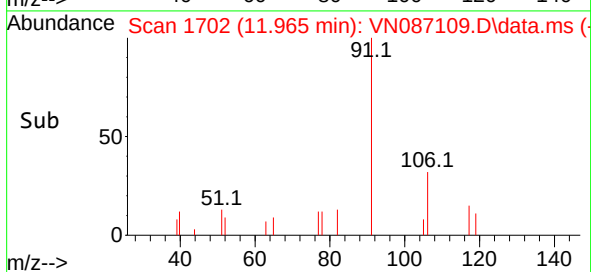
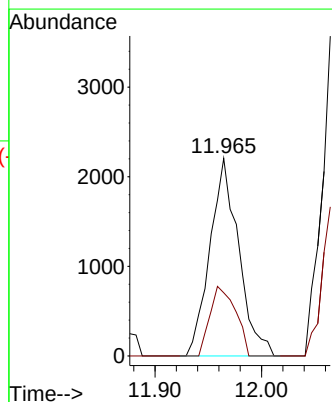
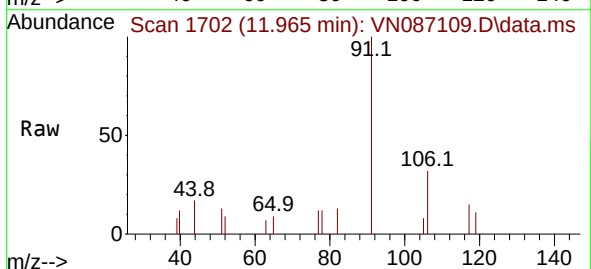
Instrument :
MSVOA_N
ClientSampleId :
MW-11

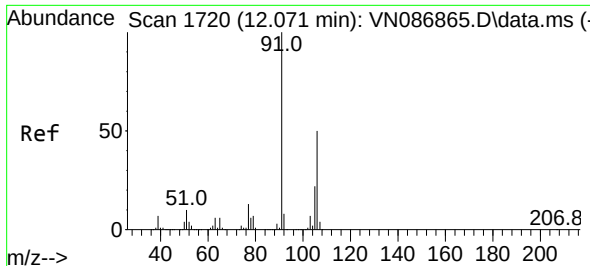
Tgt Ion:117 Resp: 369075
Ion Ratio Lower Upper
117 100
82 51.8 44.6 67.0
119 31.3 25.5 38.3



#67
Ethyl Benzene
Concen: 0.295 ug/l
RT: 11.965 min Scan# 1702
Delta R.T. -0.000 min
Lab File: VN087109.D
Acq: 19 Jun 2025 14:21

Tgt Ion: 91 Resp: 4136
Ion Ratio Lower Upper
91 100
106 32.0 25.4 38.2

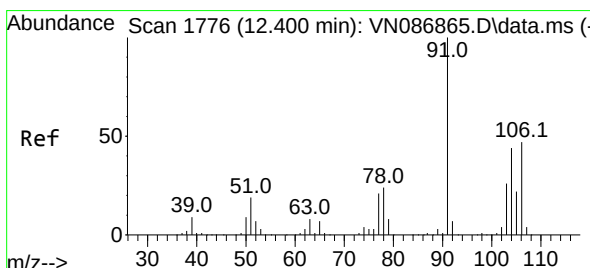
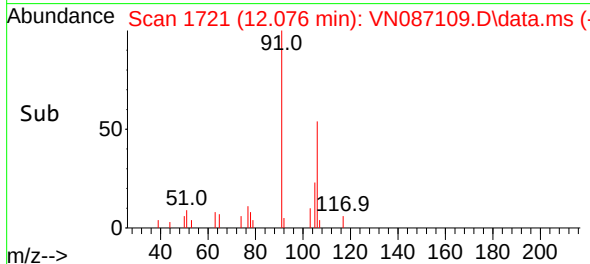
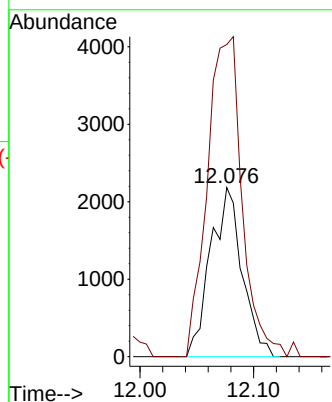
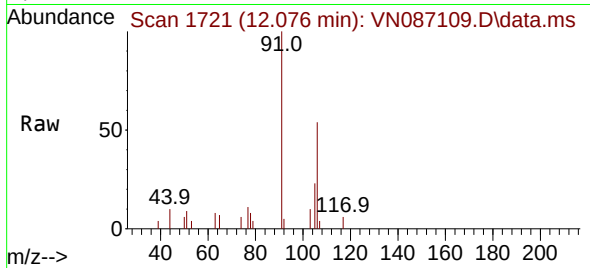




#68
m/p-Xylenes
Concen: 0.787 ug/l
RT: 12.076 min Scan# 1721
Delta R.T. 0.006 min
Lab File: VN087109.D
Acq: 19 Jun 2025 14:21

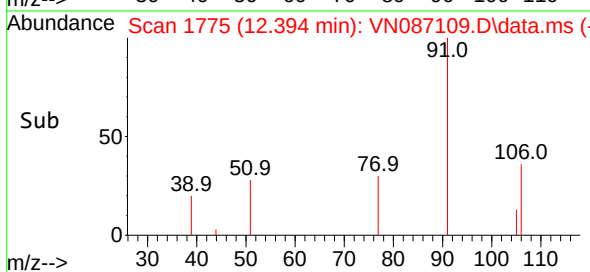
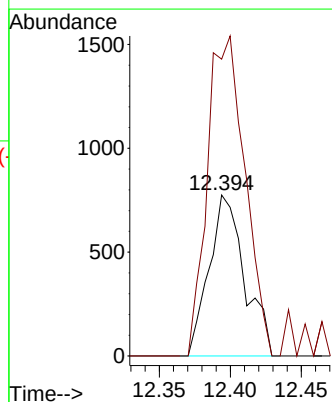
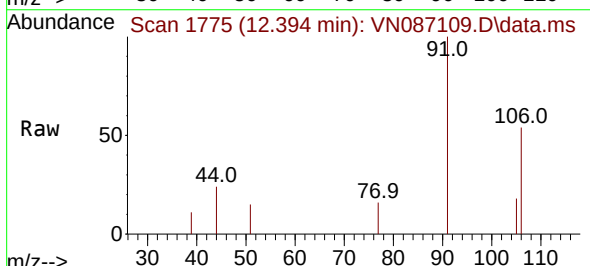
Instrument :
MSVOA_N
ClientSampleId :
MW-11

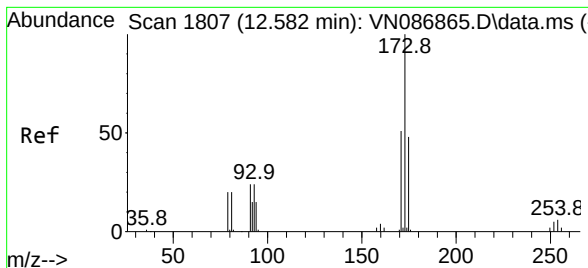
Tgt Ion:106 Resp: 4223
Ion Ratio Lower Upper
106 100
91 208.2 159.4 239.0



#69
o-Xylene
Concen: 0.262 ug/l
RT: 12.394 min Scan# 1775
Delta R.T. -0.006 min
Lab File: VN087109.D
Acq: 19 Jun 2025 14:21

Tgt Ion:106 Resp: 1346
Ion Ratio Lower Upper
106 100
91 211.1 106.1 318.1





#71

Bromoform

Concen: 0.475 ug/l

RT: 12.853 min Scan# 11

Delta R.T. 0.270 min

Lab File: VN087109.D

Acq: 19 Jun 2025 14:21

Instrument :

MSVOA_N

ClientSampleId :

MW-11

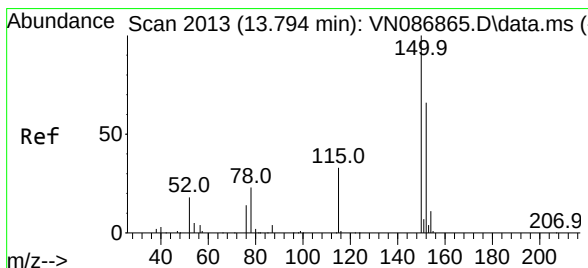
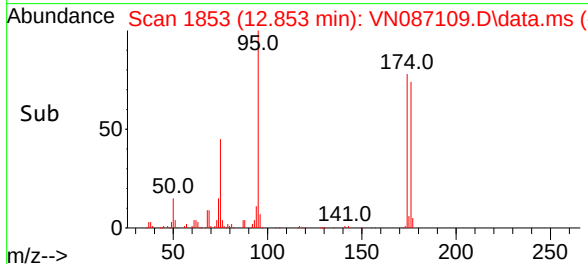
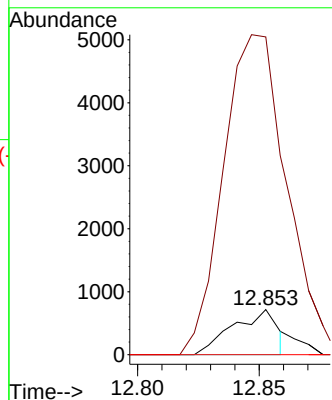
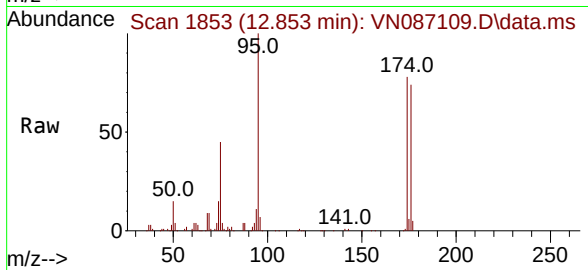
Tgt Ion:173 Resp: 920

Ion Ratio Lower Upper

173 100

175 856.1 24.1 72.4#

254 0.0 0.0 0.0



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.788 min Scan# 2012

Delta R.T. -0.006 min

Lab File: VN087109.D

Acq: 19 Jun 2025 14:21

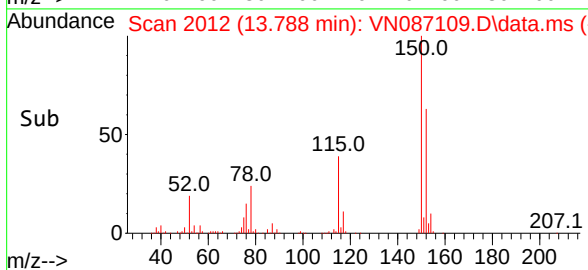
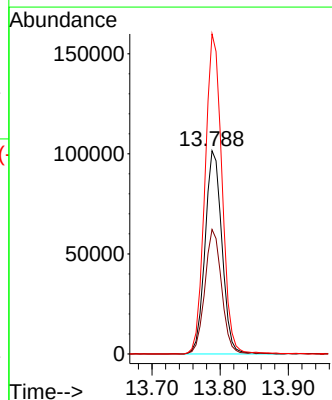
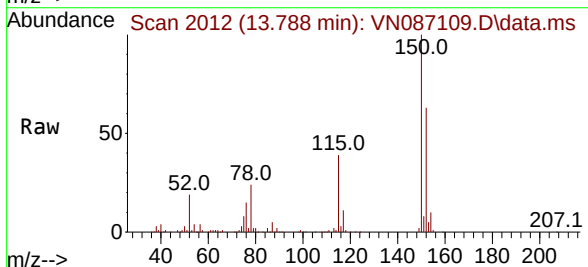
Tgt Ion:152 Resp: 174687

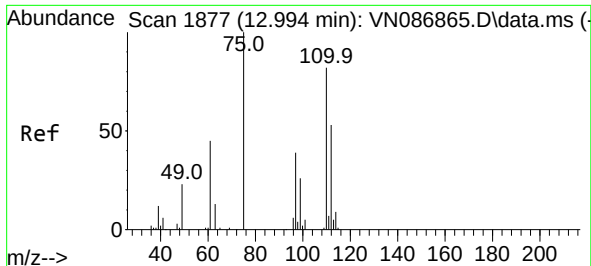
Ion Ratio Lower Upper

152 100

115 60.7 30.1 90.5

150 159.0 0.0 345.0

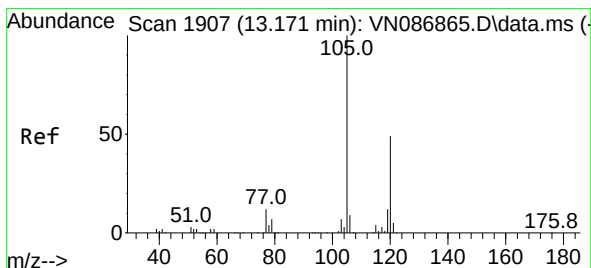
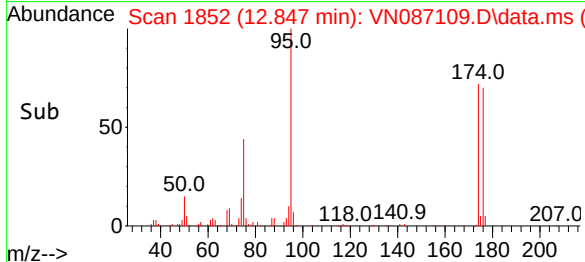
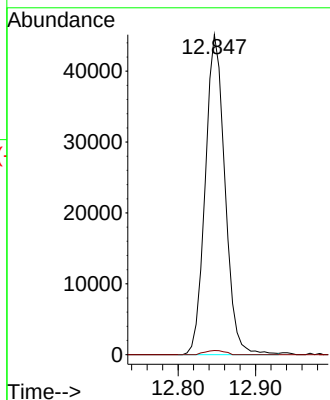
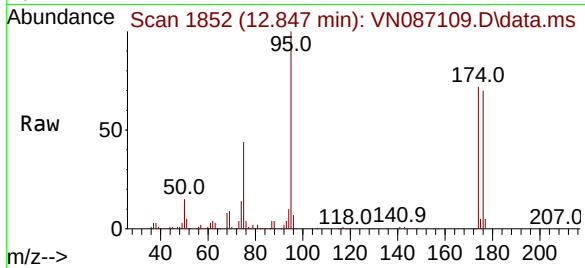




#76
1,2,3-Trichloropropane
Concen: 19.249 ug/l
RT: 12.847 min Scan# 11
Delta R.T. -0.147 min
Lab File: VN087109.D
Acq: 19 Jun 2025 14:21

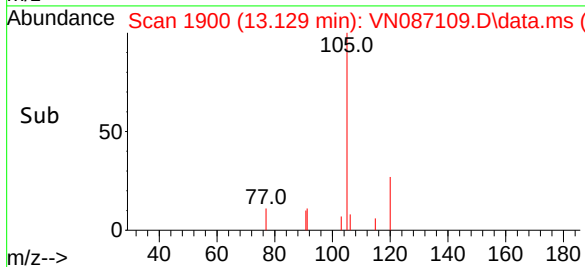
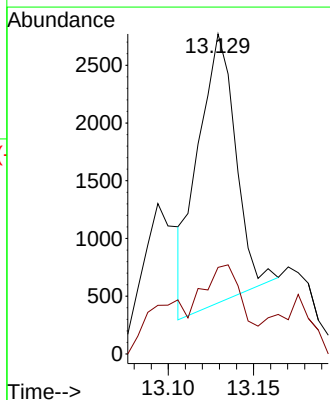
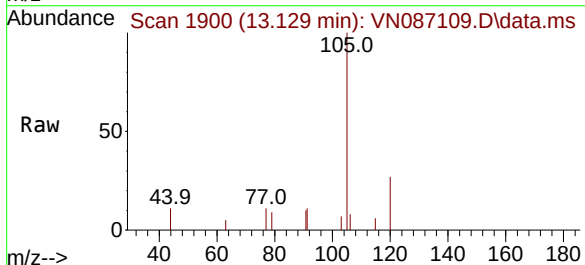
Instrument :
MSVOA_N
ClientSampleId :
MW-11

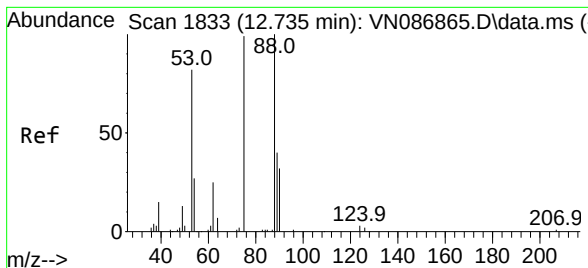
Tgt Ion: 75 Resp: 79931
Ion Ratio Lower Upper
75 100
77 1.3 79.3 237.9#



#80
1,3,5-Trimethylbenzene
Concen: 0.343 ug/l
RT: 13.129 min Scan# 1900
Delta R.T. -0.041 min
Lab File: VN087109.D
Acq: 19 Jun 2025 14:21

Tgt Ion: 105 Resp: 3608
Ion Ratio Lower Upper
105 100
120 57.7 24.9 74.6

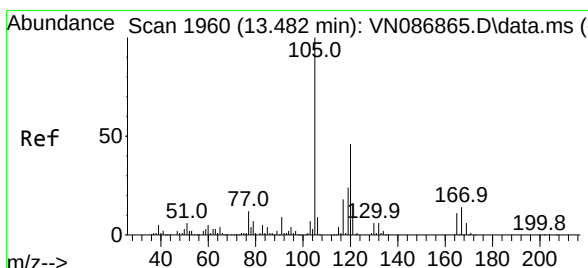
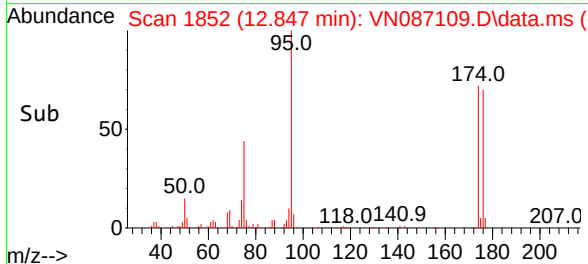
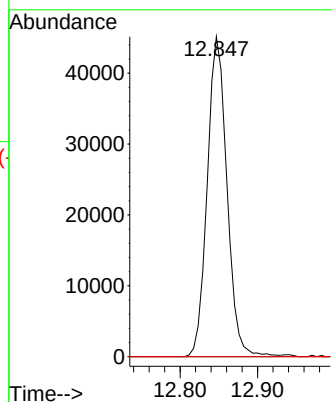
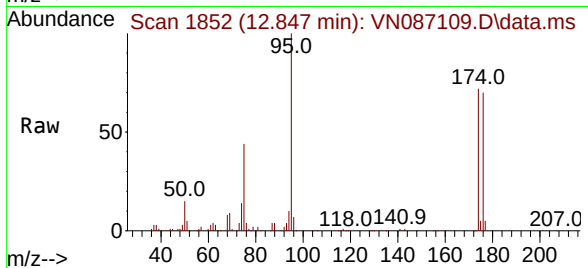




#81
trans-1,4-Dichloro-2-butene
Concen: 44.311 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. 0.112 min
Lab File: VN087109.D
Acq: 19 Jun 2025 14:21

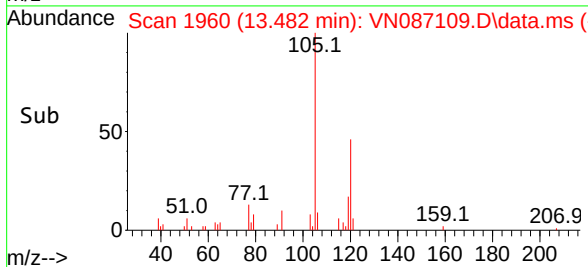
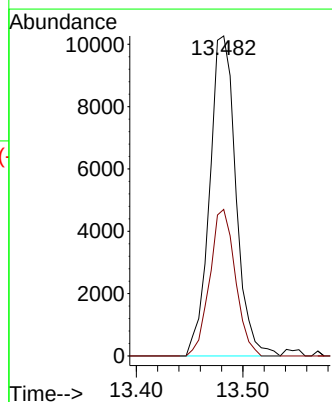
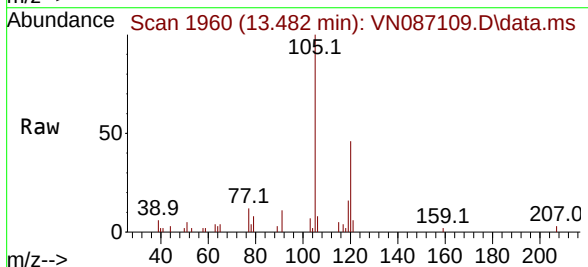
Instrument :
MSVOA_N
ClientSampleId :
MW-11

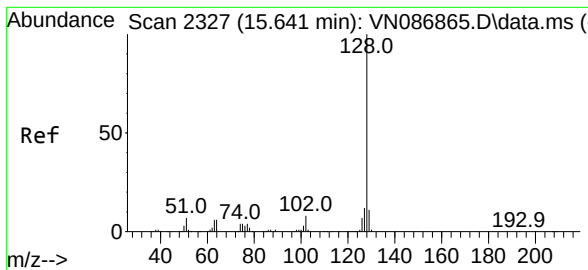
Tgt Ion: 75 Resp: 79931
Ion Ratio Lower Upper
75 100
53 0.0 66.6 99.8#
89 0.0 36.7 55.1#



#84
1,2,4-Trimethylbenzene
Concen: 1.669 ug/l
RT: 13.482 min Scan# 1960
Delta R.T. -0.000 min
Lab File: VN087109.D
Acq: 19 Jun 2025 14:21

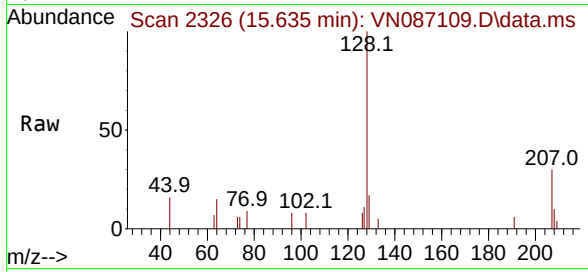
Tgt Ion: 105 Resp: 17583
Ion Ratio Lower Upper
105 100
120 44.6 23.2 69.6





#95
Naphthalene
Concen: 0.610 ug/l
RT: 15.635 min Scan# 21
Delta R.T. -0.006 min
Lab File: VN087109.D
Acq: 19 Jun 2025 14:21

Instrument :
MSVOA_N
ClientSampleId :
MW-11



Tgt Ion:	128	Resp:	7998
Ion	Ratio	Lower	Upper
128	100		
127	11.0	10.2	15.2
129	12.8	8.8	13.2

