

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)

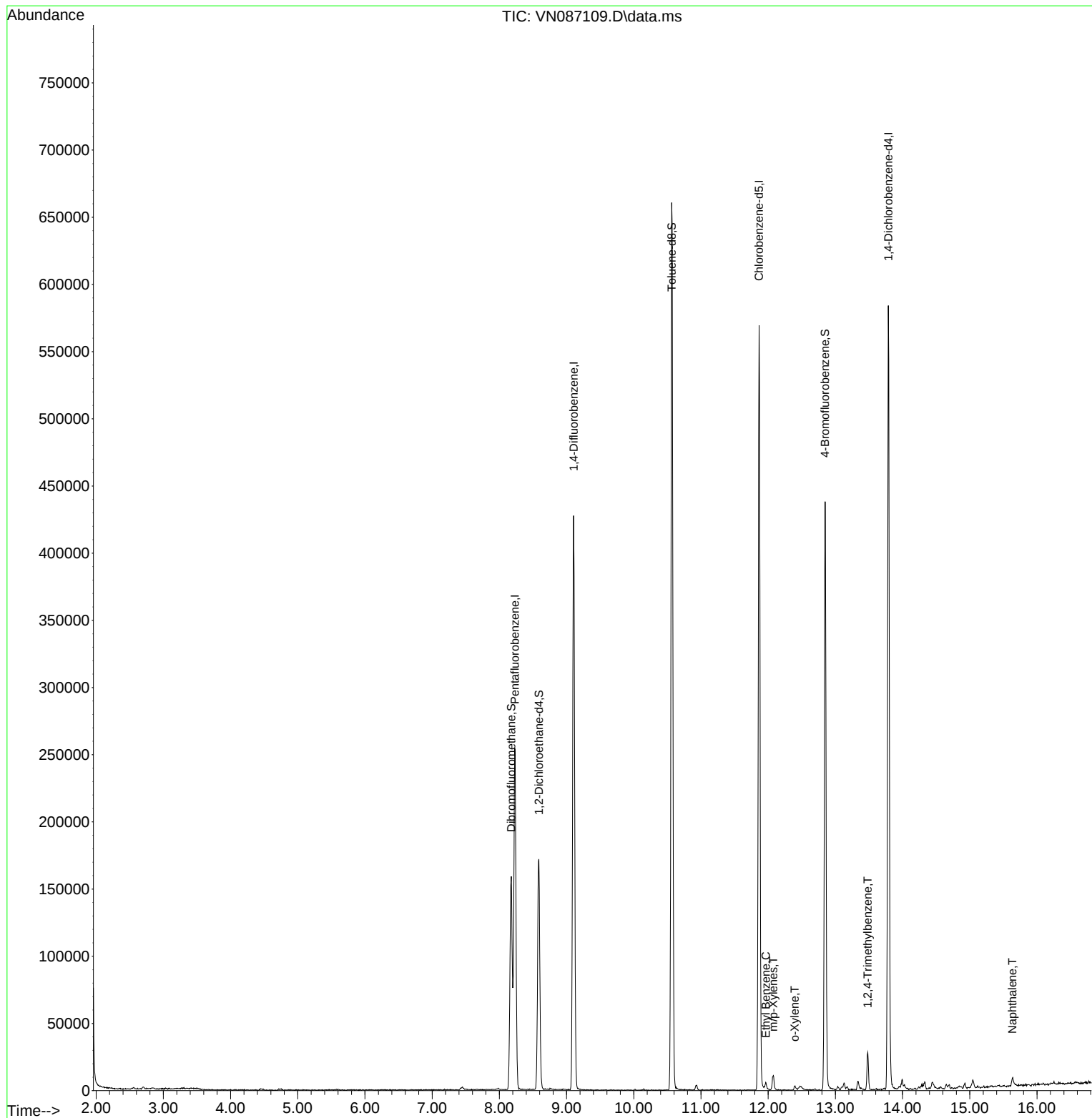
Internal Standards						
1) Pentafluorobenzene	8.229	168	203941	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.106	114	406474	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	369075	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.788	152	174687	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	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	
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
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

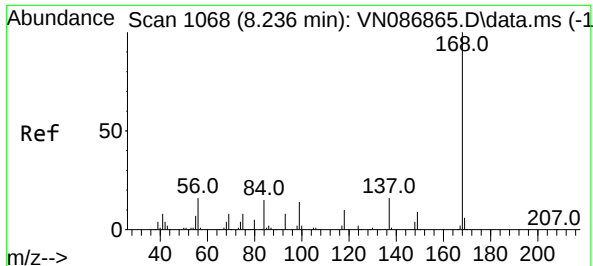
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Sat Jun 07 02:12:50 2025
Response via : Initial Calibration

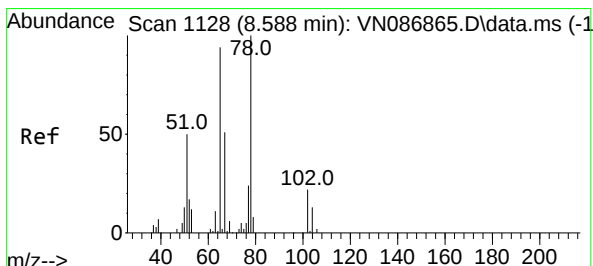
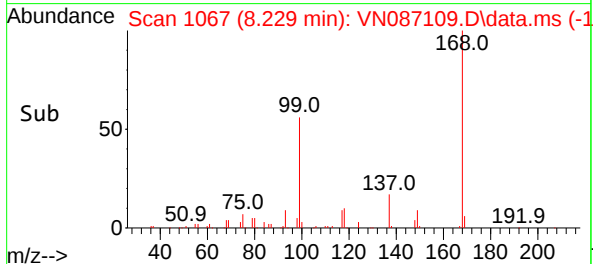
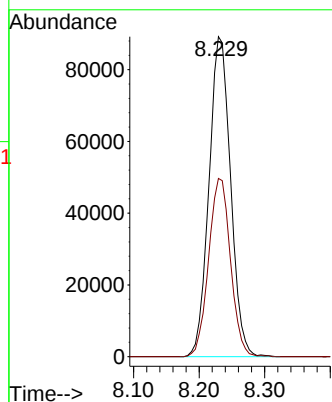
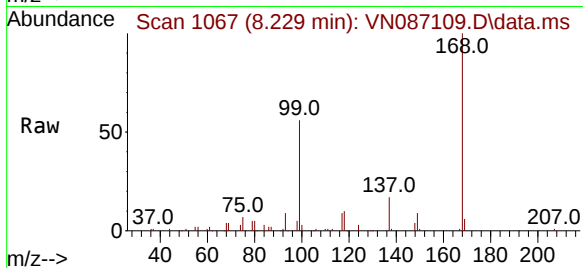




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.229 min Scan# 1067
Delta R.T. -0.007 min
Lab File: VN087109.D
Acq: 19 Jun 2025 14:21

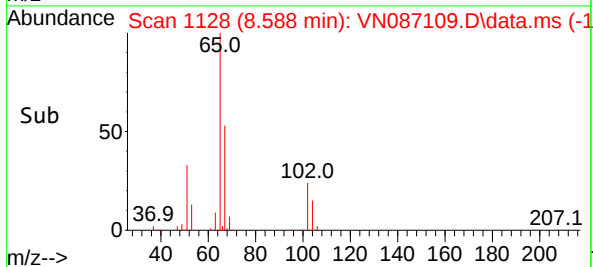
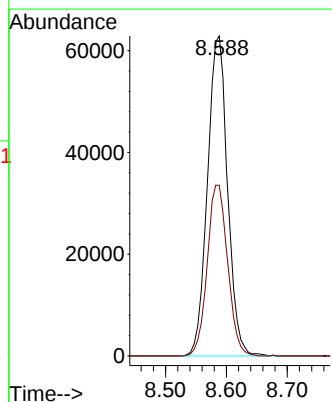
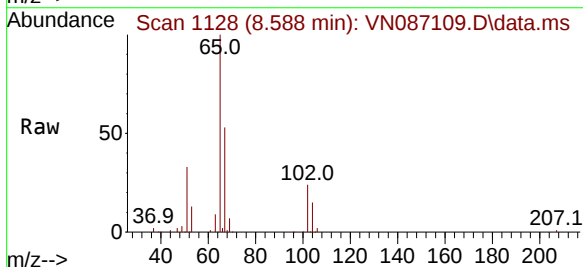
Instrument :
MSVOA_N
ClientSampleId :
MW-11

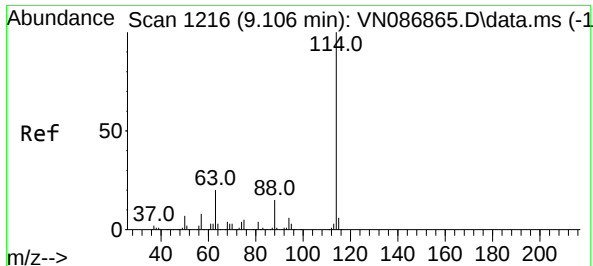
Tgt Ion:168 Resp: 203941
Ion Ratio Lower Upper
168 100
99 55.7 49.1 73.7



#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

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# 1

Delta R.T. -0.000 min

Lab File: VN087109.D

Acq: 19 Jun 2025 14:21

Instrument :

MSVOA_N

ClientSampleId :

MW-11

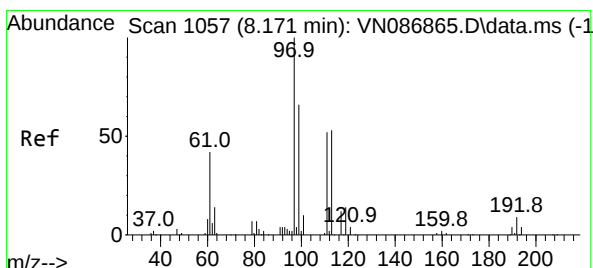
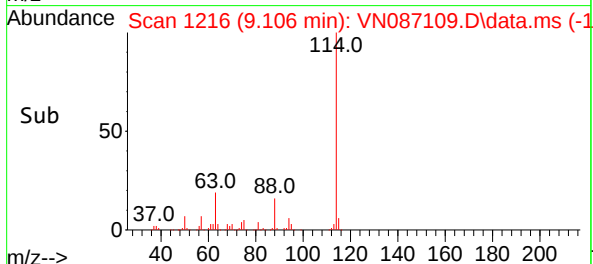
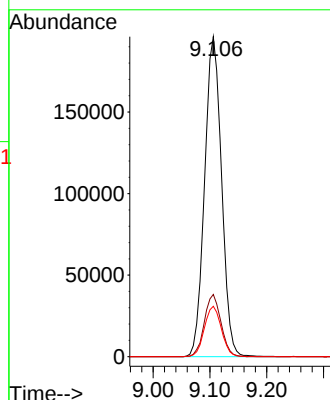
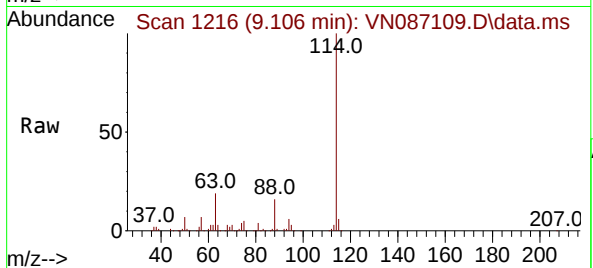
Tgt Ion:114 Resp: 406474

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# 1058

Delta R.T. 0.006 min

Lab File: VN087109.D

Acq: 19 Jun 2025 14:21

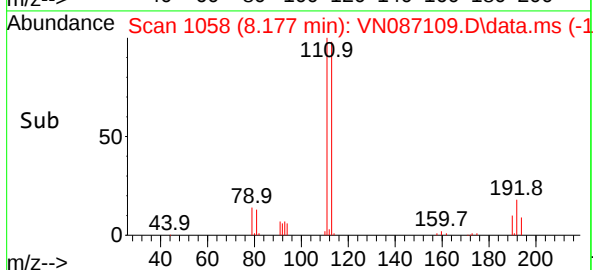
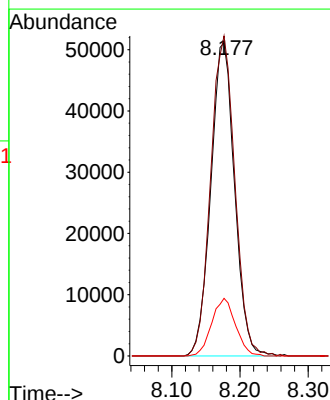
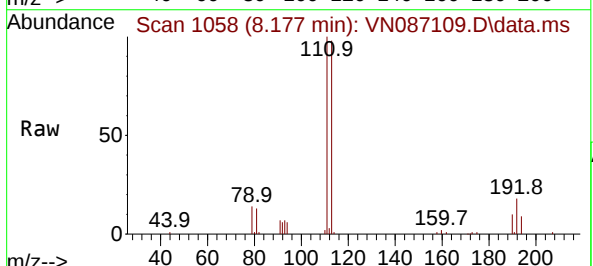
Tgt Ion:113 Resp: 123998

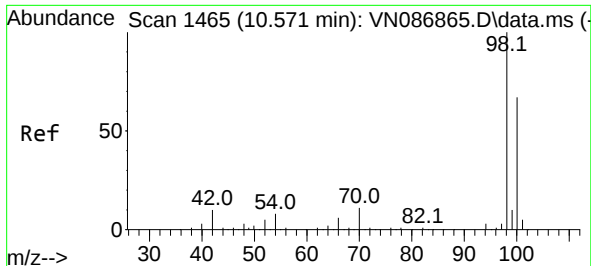
Ion Ratio Lower Upper

113 100

111 104.1 84.2 126.2

192 18.5 14.2 21.4

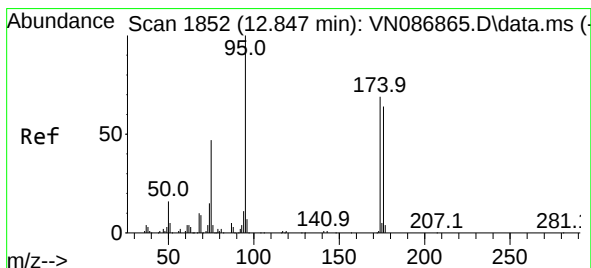
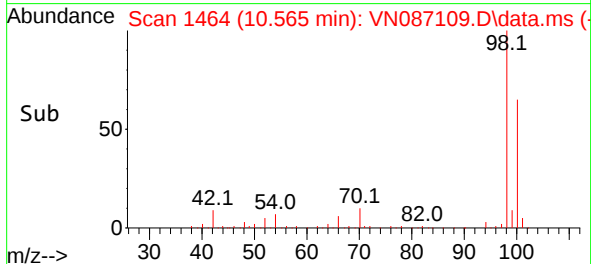
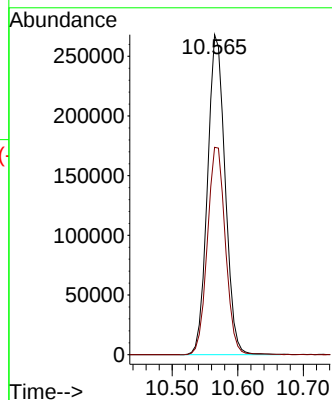
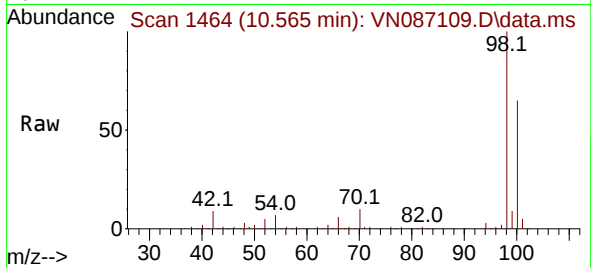




#50
Toluene-d8
Concen: 52.496 ug/l
RT: 10.565 min Scan# 1465
Delta R.T. -0.006 min
Lab File: VN087109.D
Acq: 19 Jun 2025 14:21

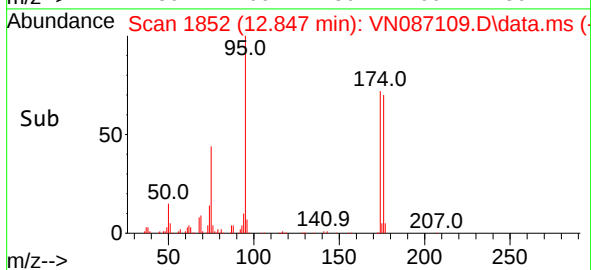
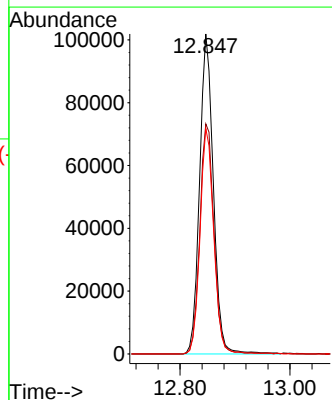
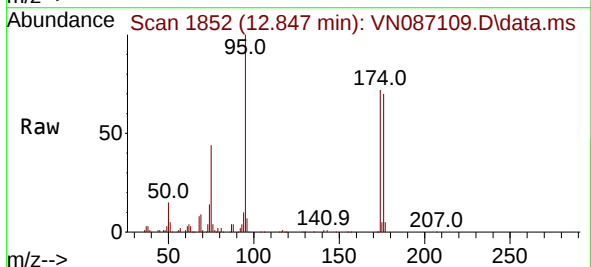
Instrument :
MSVOA_N
ClientSampleId :
MW-11

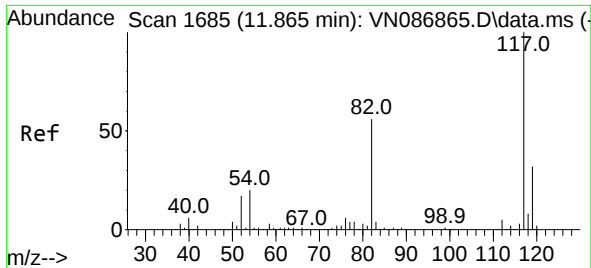
Tgt Ion: 98 Resp: 500608
Ion Ratio Lower Upper
98 100
100 66.3 53.4 80.0



#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

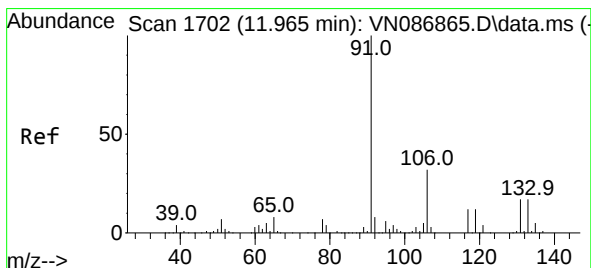
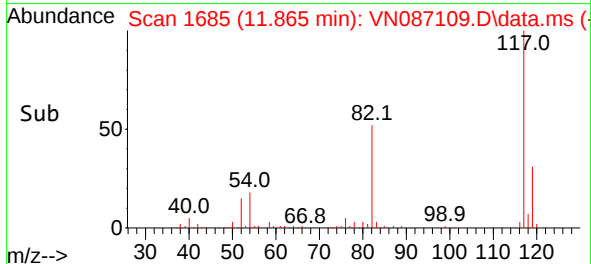
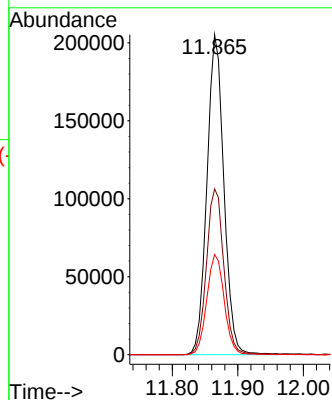
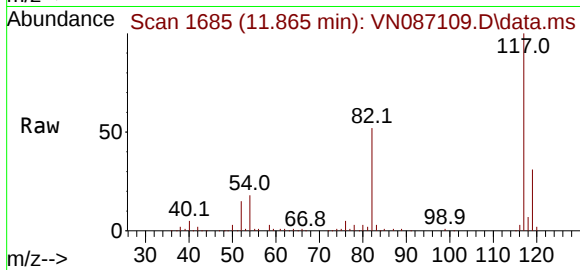




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.865 min Scan# 1170
Delta R.T. -0.000 min
Lab File: VN087109.D
Acq: 19 Jun 2025 14:21

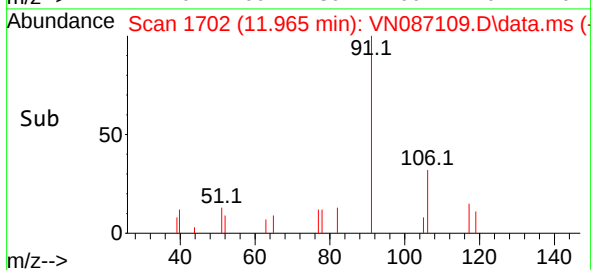
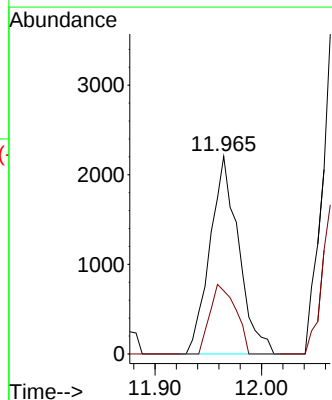
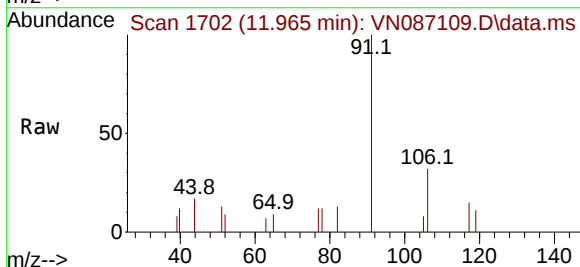
Instrument :
MSVOA_N
ClientSampleId :
MW-11

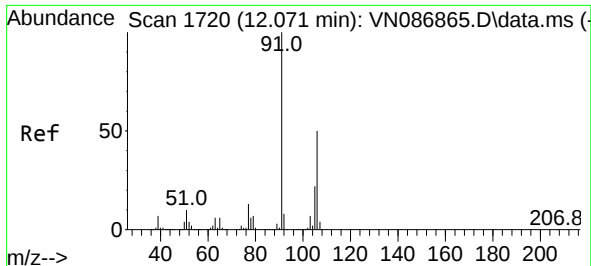
Tgt Ion:117 Resp: 369075
Ion Ratio Lower Upper
117 100
82 51.8 44.6 67.0
119 31.3 25.5 38.3



#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

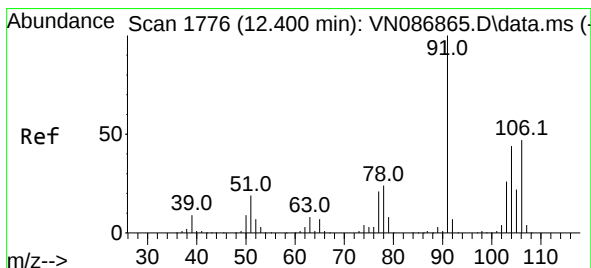
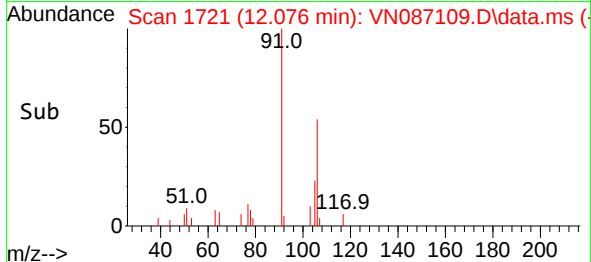
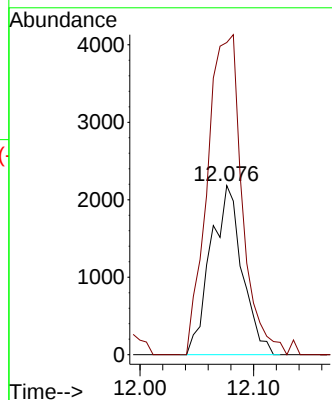
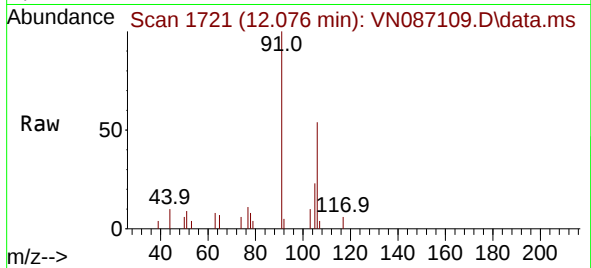




#68
m/p-Xylenes
Concen: 0.787 ug/l
RT: 12.076 min Scan# 1721
Delta R.T. 0.006 min
Lab File: VN087109.D
Acq: 19 Jun 2025 14:21

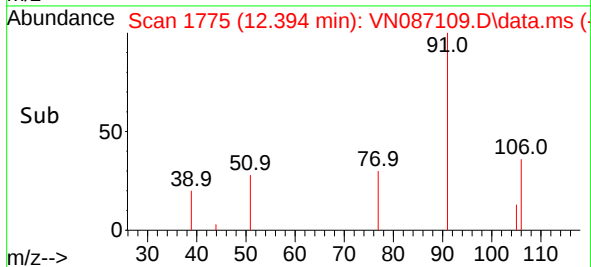
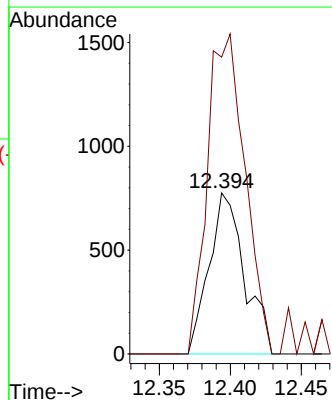
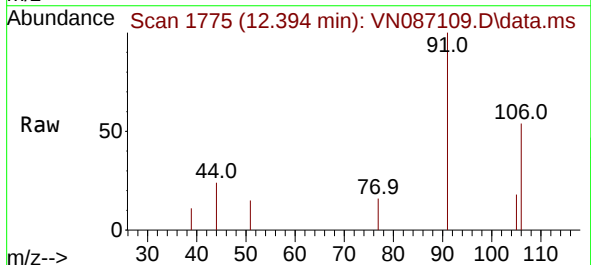
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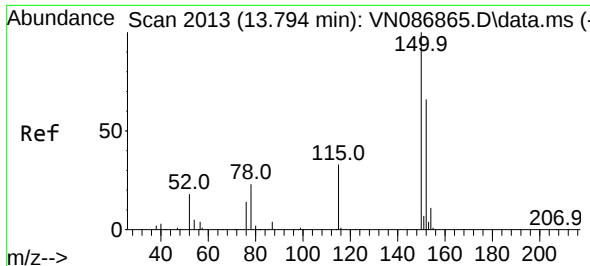
Tgt Ion:106 Resp: 4223
Ion Ratio Lower Upper
106 100
91 208.2 159.4 239.0



#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

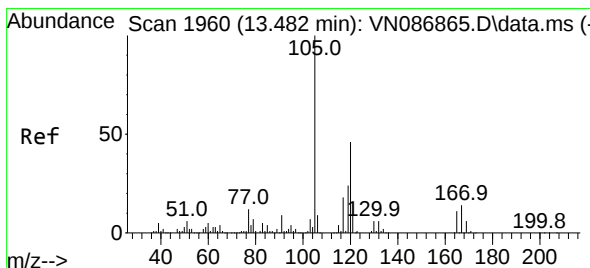
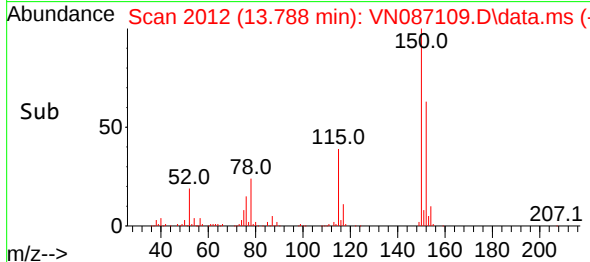
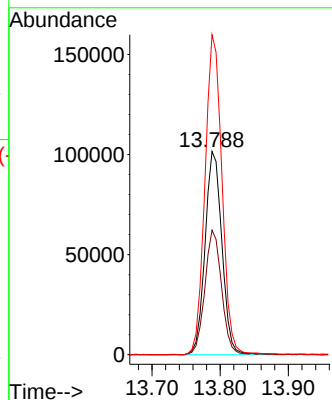
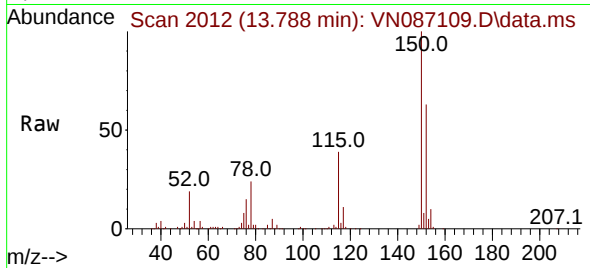




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.788 min Scan# 20
 Delta R.T. -0.006 min
 Lab File: VN087109.D
 Acq: 19 Jun 2025 14:21

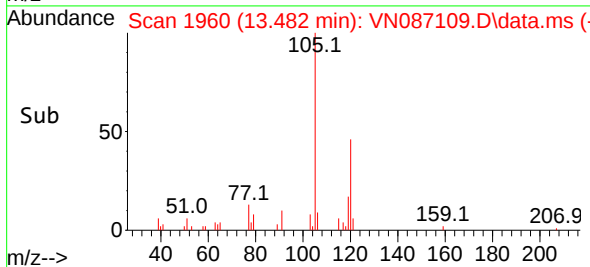
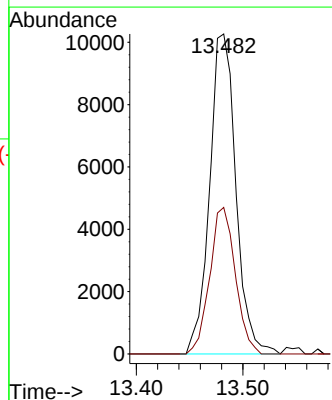
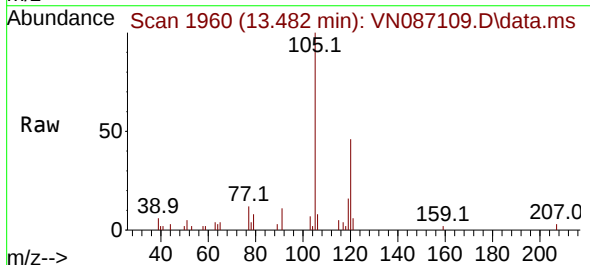
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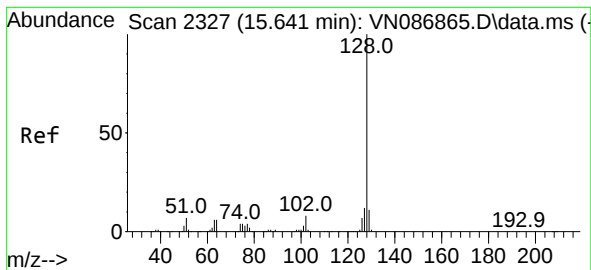
Tgt Ion:152 Resp: 174687
 Ion Ratio Lower Upper
 152 100
 115 60.7 30.1 90.5
 150 159.0 0.0 345.0



#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

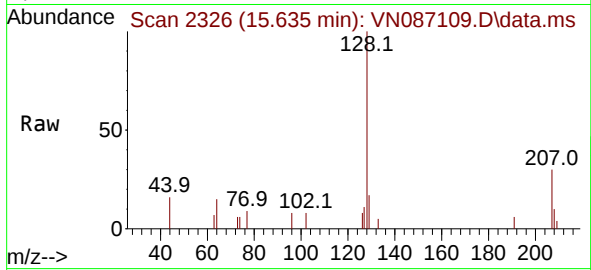
Tgt Ion:105 Resp: 17583
 Ion Ratio Lower Upper
 105 100
 120 44.6 23.2 69.6





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

