

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN061325\
 Data File : VN087002.D
 Acq On : 13 Jun 2025 15:28
 Operator : JC\MD
 Sample : Q2314-06
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VPB182-HYD-20250612

Quant Time: Jun 14 00:29:51 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)

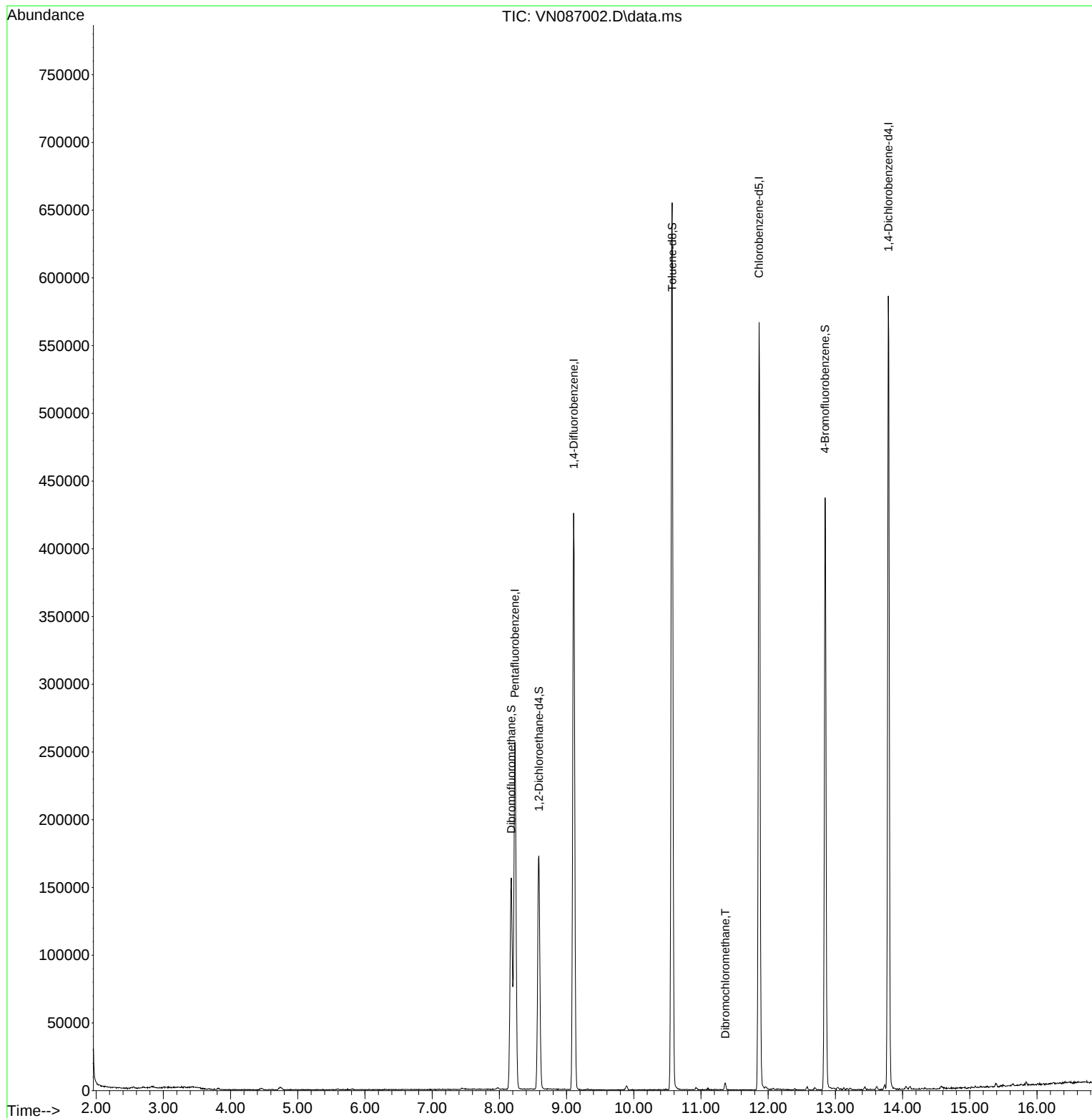
Internal Standards						
1) Pentafluorobenzene	8.230	168	207879	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.106	114	402501	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	359714	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.788	152	173766	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.588	65	141723	50.920	ug/l	0.00
Spiked Amount	50.000	Range 74 - 125	Recovery	= 101.840%		
35) Dibromofluoromethane	8.177	113	120918	50.693	ug/l	0.00
Spiked Amount	50.000	Range 75 - 124	Recovery	= 101.380%		
50) Toluene-d8	10.571	98	485254	51.389	ug/l	0.00
Spiked Amount	50.000	Range 86 - 113	Recovery	= 102.780%		
62) 4-Bromofluorobenzene	12.847	95	178616	50.913	ug/l	0.00
Spiked Amount	50.000	Range 77 - 121	Recovery	= 101.820%		
Target Compounds						
60) Dibromochloromethane	11.365	129	3371	1.184	ug/l	Qvalue 100

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

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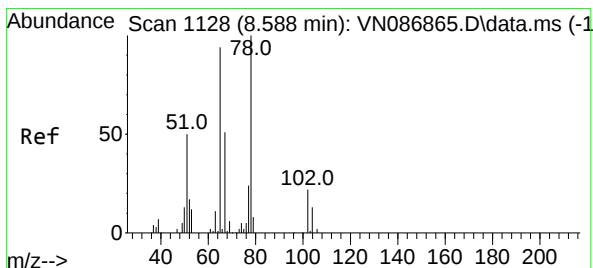
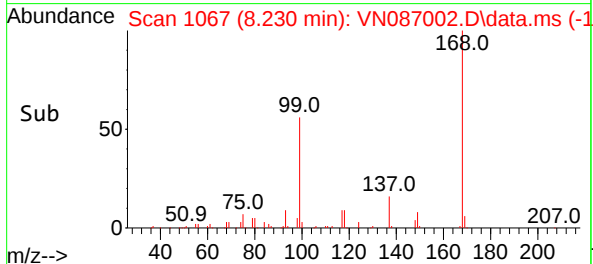
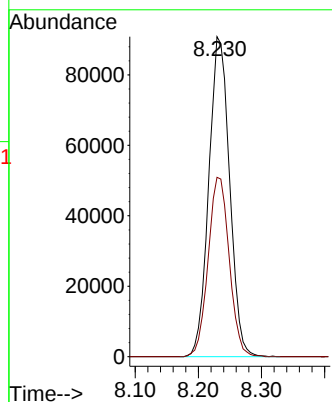
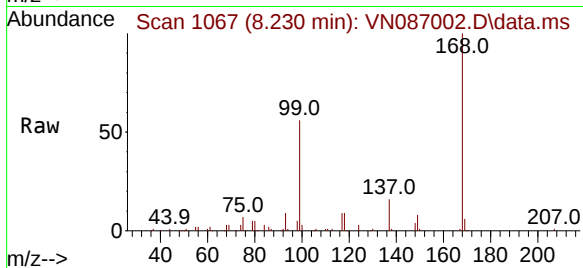




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.230 min Scan# 1068
Delta R.T. -0.006 min
Lab File: VN087002.D
Acq: 13 Jun 2025 15:28

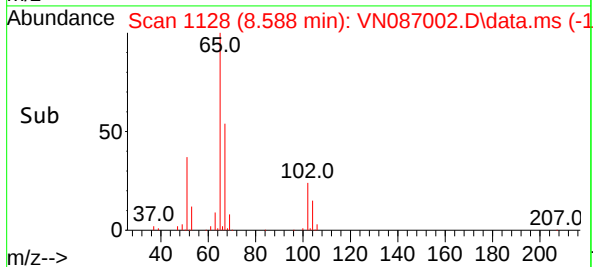
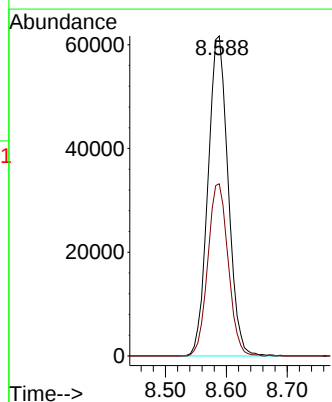
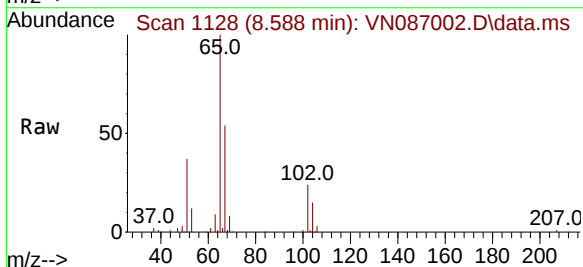
Instrument :
MSVOA_N
ClientSampleId :
VPB182-HYD-20250612

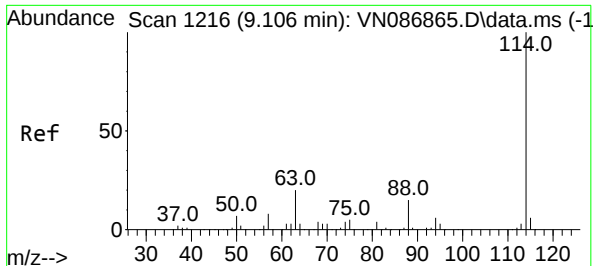
Tgt Ion:168 Resp: 207879
Ion Ratio Lower Upper
168 100
99 56.0 49.1 73.7



#33
1,2-Dichloroethane-d4
Concen: 50.920 ug/l
RT: 8.588 min Scan# 1128
Delta R.T. -0.000 min
Lab File: VN087002.D
Acq: 13 Jun 2025 15:28

Tgt Ion: 65 Resp: 141723
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: VN087002.D

Acq: 13 Jun 2025 15:28

Instrument :

MSVOA_N

ClientSampleId :

VPB182-HYD-20250612

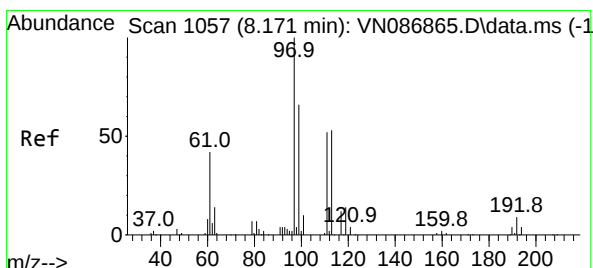
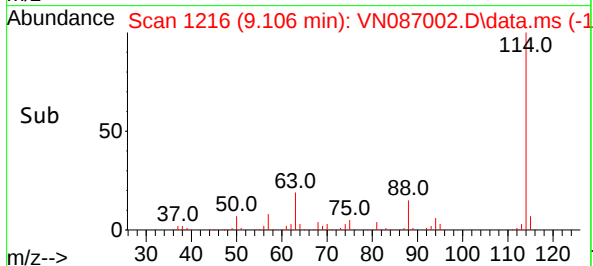
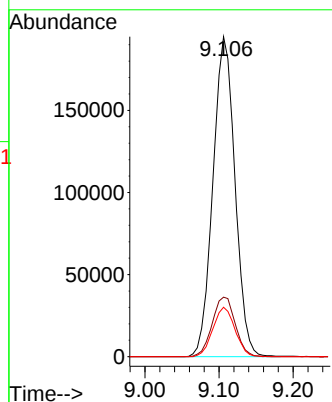
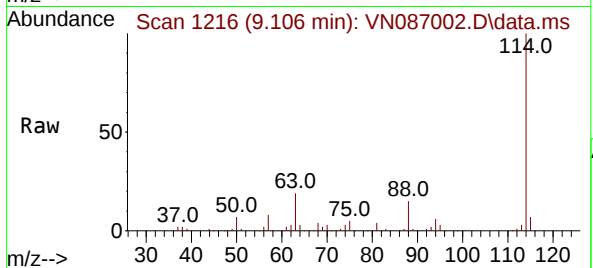
Tgt Ion:114 Resp: 402501

Ion Ratio Lower Upper

114 100

63 18.6 0.0 39.6

88 15.5 0.0 30.2



#35

Dibromofluoromethane

Concen: 50.693 ug/l

RT: 8.177 min Scan# 1058

Delta R.T. 0.006 min

Lab File: VN087002.D

Acq: 13 Jun 2025 15:28

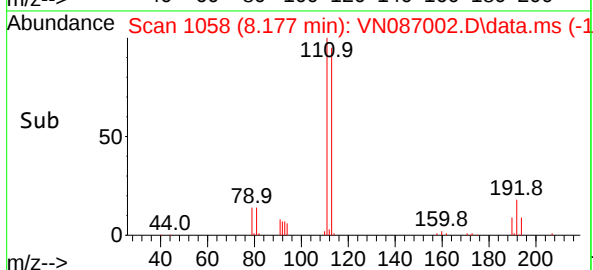
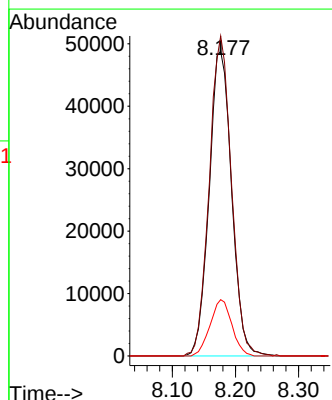
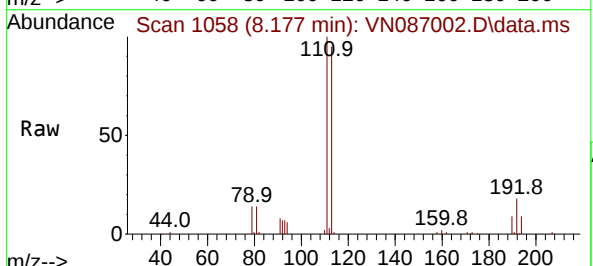
Tgt Ion:113 Resp: 120918

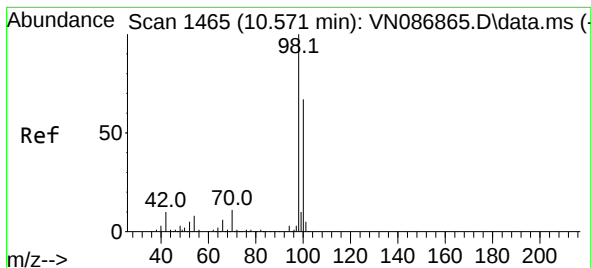
Ion Ratio Lower Upper

113 100

111 103.2 84.2 126.2

192 17.9 14.2 21.4





#50

Toluene-d8

Concen: 51.389 ug/l

RT: 10.571 min Scan# 14

Delta R.T. -0.000 min

Lab File: VN087002.D

Acq: 13 Jun 2025 15:28

Instrument :

MSVOA_N

ClientSampleId :

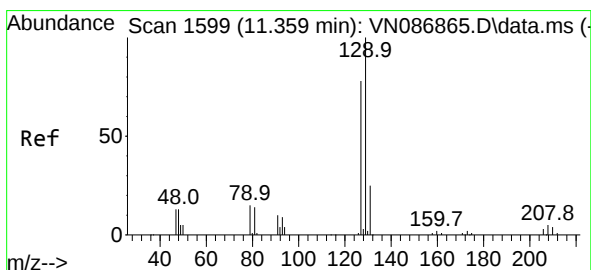
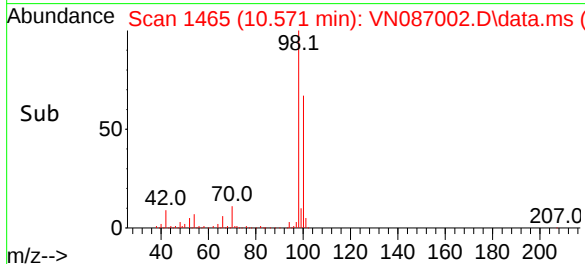
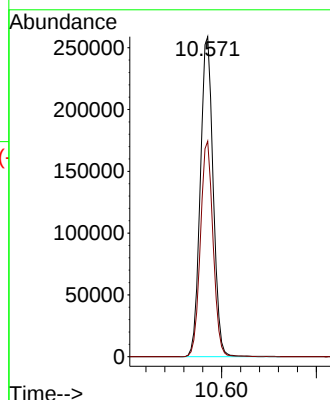
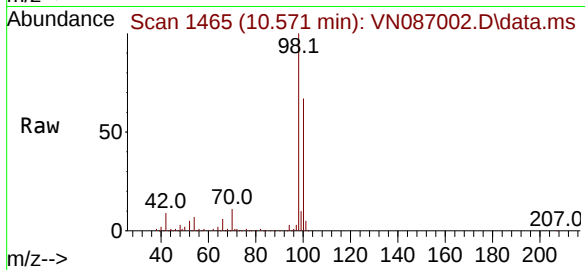
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Tgt Ion: 98 Resp: 485254

Ion Ratio Lower Upper

98 100

100 66.5 53.4 80.0



#60

Dibromochloromethane

Concen: 1.184 ug/l

RT: 11.365 min Scan# 1600

Delta R.T. 0.006 min

Lab File: VN087002.D

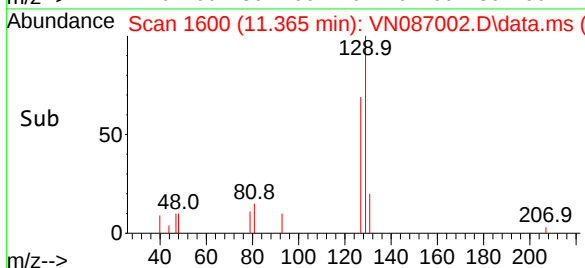
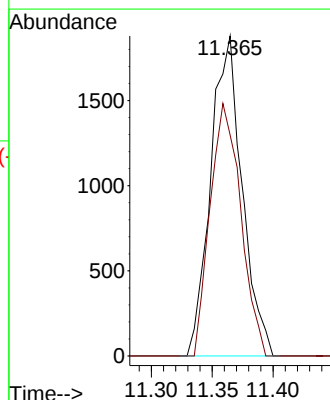
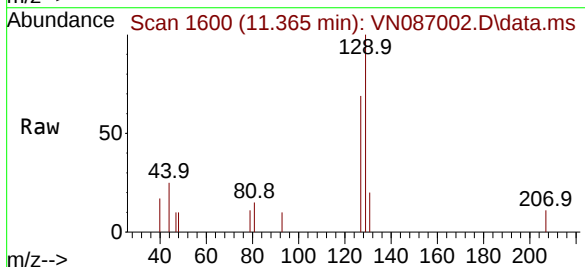
Acq: 13 Jun 2025 15:28

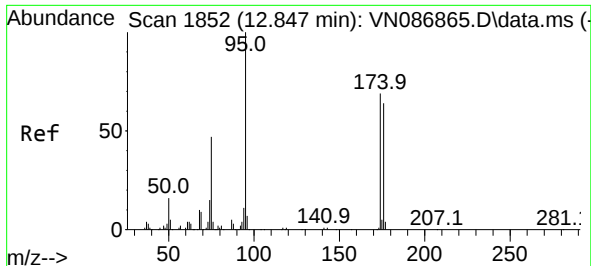
Tgt Ion:129 Resp: 3371

Ion Ratio Lower Upper

129 100

127 77.0 38.6 115.8

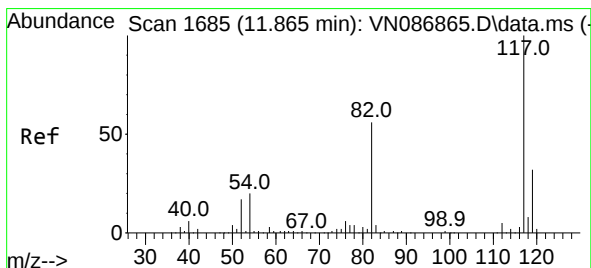
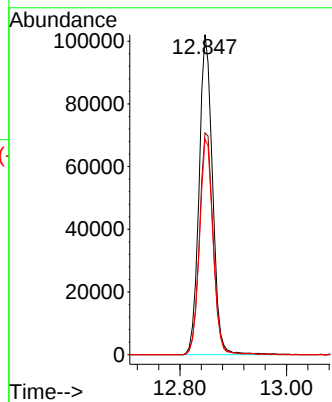
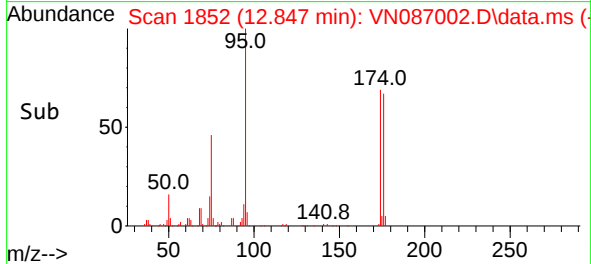
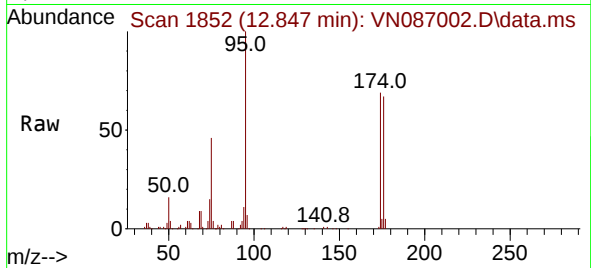




#62
4-Bromofluorobenzene
Concen: 50.913 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. -0.000 min
Lab File: VN087002.D
Acq: 13 Jun 2025 15:28

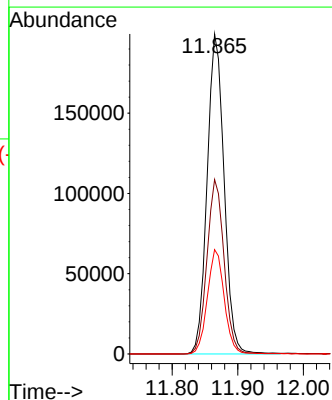
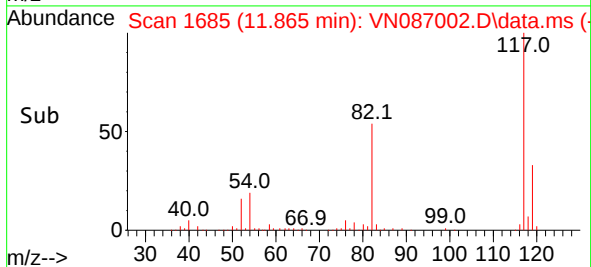
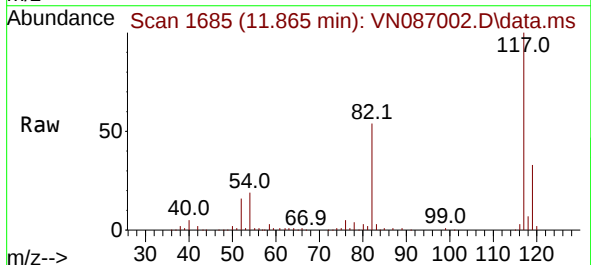
Instrument :
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VPB182-HYD-20250612

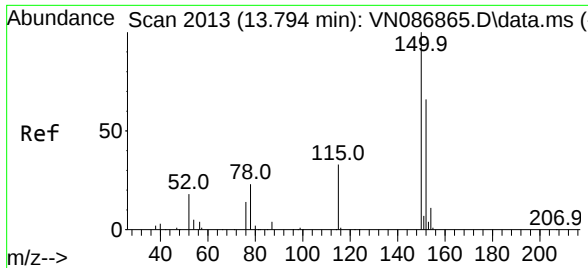
Tgt Ion: 95 Resp: 178616
Ion Ratio Lower Upper
95 100
174 70.5 0.0 141.8
176 67.5 0.0 132.6



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.865 min Scan# 1685
Delta R.T. -0.000 min
Lab File: VN087002.D
Acq: 13 Jun 2025 15:28

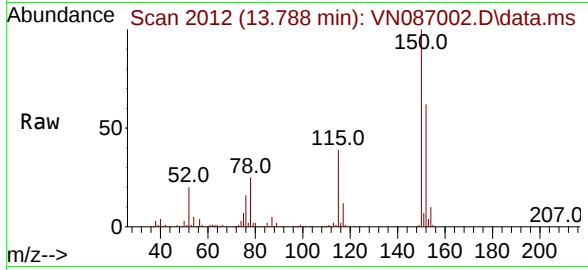
Tgt Ion: 117 Resp: 359714
Ion Ratio Lower Upper
117 100
82 54.5 44.6 67.0
119 32.6 25.5 38.3





#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.788 min Scan# 20
 Delta R.T. -0.006 min
 Lab File: VN087002.D
 Acq: 13 Jun 2025 15:28

Instrument :
 MSVOA_N
 ClientSampleId :
 VPB182-HYD-20250612



Tgt Ion:152 Resp: 173766
 Ion Ratio Lower Upper
 152 100
 115 60.8 30.1 90.5
 150 157.8 0.0 345.0

