

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN061325\
 Data File : VN087003.D
 Acq On : 13 Jun 2025 15:50
 Operator : JC\MD
 Sample : Q2314-01
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 BP-VPB-182-TB-20250610

Quant Time: Jun 14 00:30:18 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	8.236	168	202860	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.106	114	392535	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	349983	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.794	152	169487	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.588	65	139024	51.186	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	=	102.380%
35) Dibromofluoromethane	8.177	113	117978	50.716	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	101.440%
50) Toluene-d8	10.571	98	480084	52.132	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	=	104.260%
62) 4-Bromofluorobenzene	12.847	95	171597	50.154	ug/l	0.00
Spiked Amount	50.000	Range	77 - 121	Recovery	=	100.300%

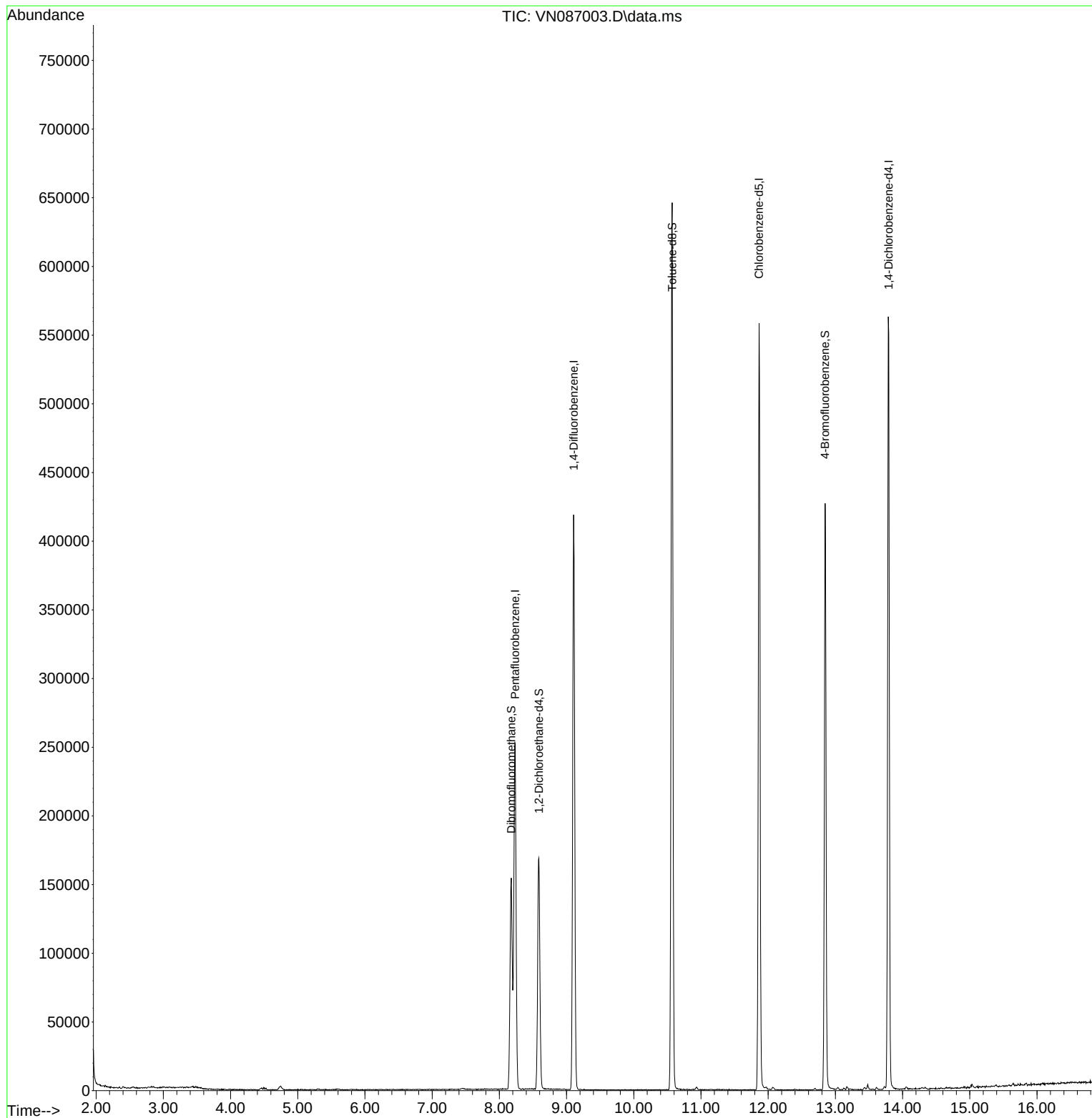
Target Compounds	Qvalue

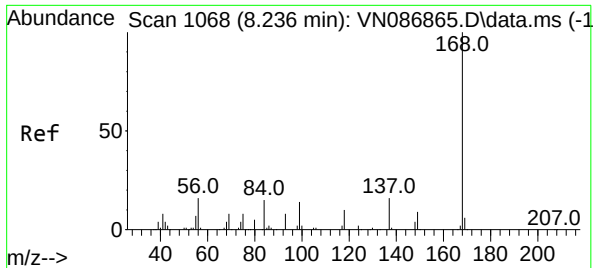
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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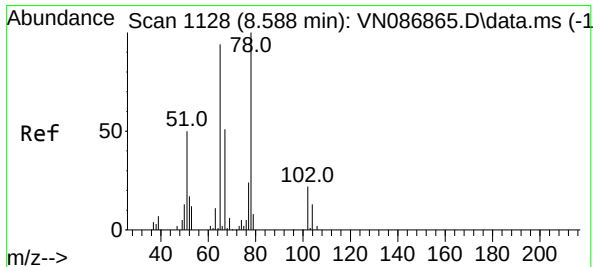
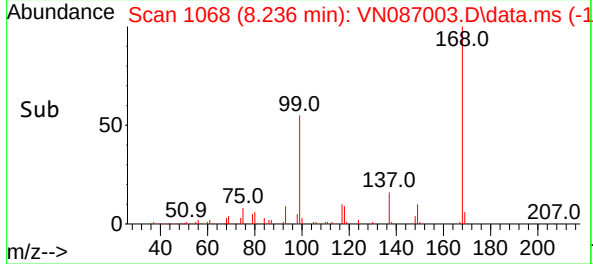
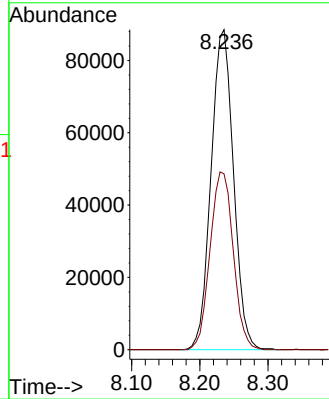
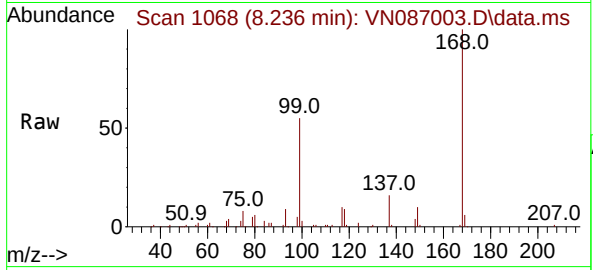




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.236 min Scan# 1068
Delta R.T. -0.000 min
Lab File: VN087003.D
Acq: 13 Jun 2025 15:50

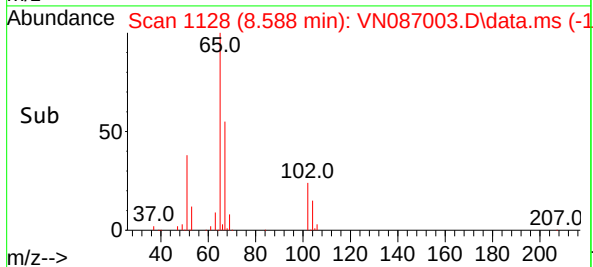
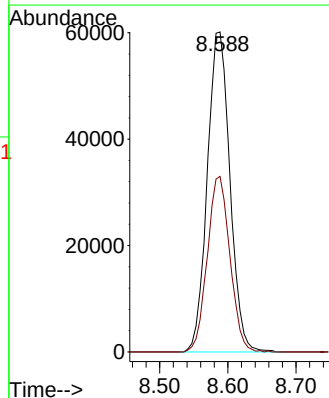
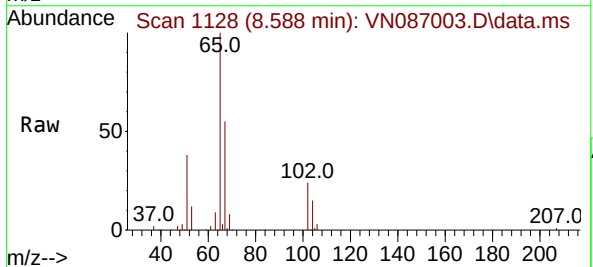
Instrument :
MSVOA_N
ClientSampleId :
BP-VPB-182-TB-20250610

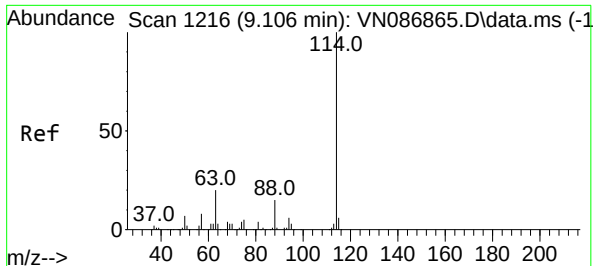
Tgt Ion:168 Resp: 202860
Ion Ratio Lower Upper
168 100
99 55.0 49.1 73.7



#33
1,2-Dichloroethane-d4
Concen: 51.186 ug/l
RT: 8.588 min Scan# 1128
Delta R.T. -0.000 min
Lab File: VN087003.D
Acq: 13 Jun 2025 15:50

Tgt Ion: 65 Resp: 139024
Ion Ratio Lower Upper
65 100
67 54.8 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: VN087003.D

Acq: 13 Jun 2025 15:50

Instrument :

MSVOA_N

ClientSampleId :

BP-VPB-182-TB-20250610

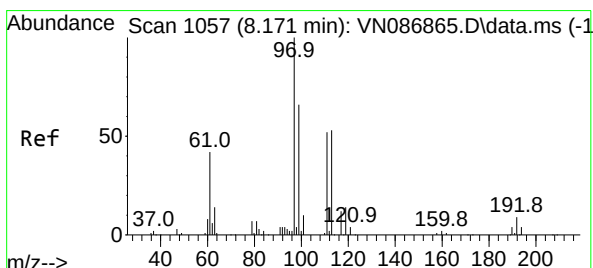
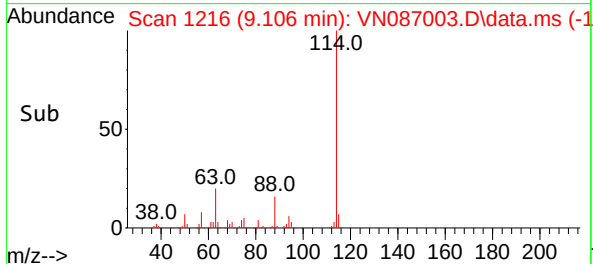
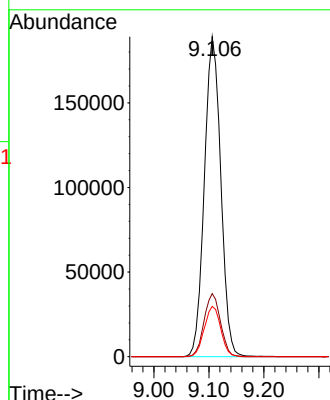
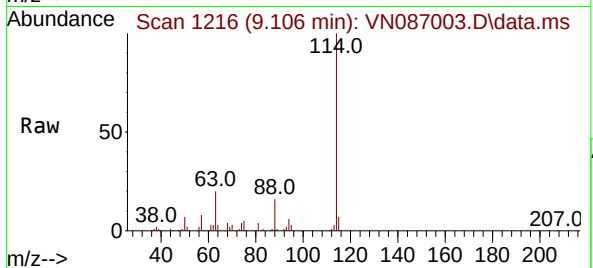
Tgt Ion:114 Resp: 392535

Ion Ratio Lower Upper

114 100

63 19.7 0.0 39.6

88 15.7 0.0 30.2



#35

Dibromofluoromethane

Concen: 50.716 ug/l

RT: 8.177 min Scan# 1058

Delta R.T. 0.006 min

Lab File: VN087003.D

Acq: 13 Jun 2025 15:50

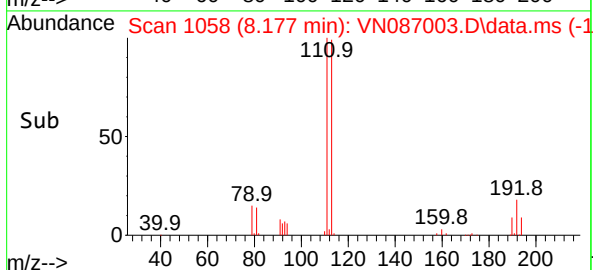
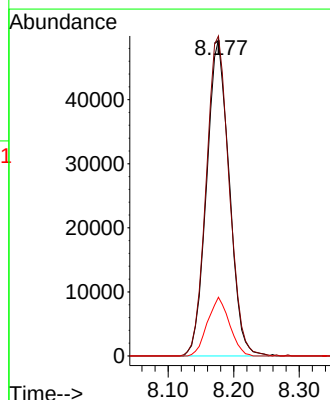
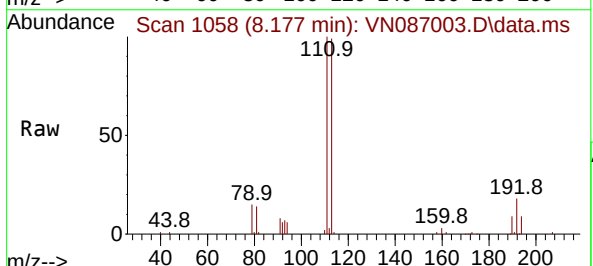
Tgt Ion:113 Resp: 117978

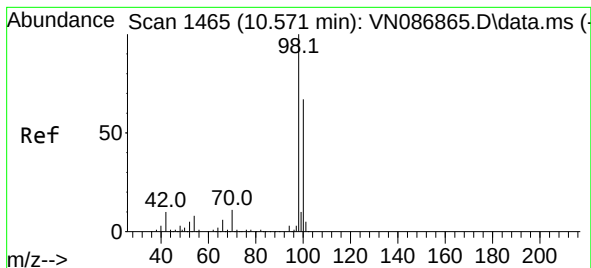
Ion Ratio Lower Upper

113 100

111 103.0 84.2 126.2

192 18.1 14.2 21.4





#50

Toluene-d8

Concen: 52.132 ug/l

RT: 10.571 min Scan# 1465

Delta R.T. -0.000 min

Lab File: VN087003.D

Acq: 13 Jun 2025 15:50

Instrument :

MSVOA_N

ClientSampleId :

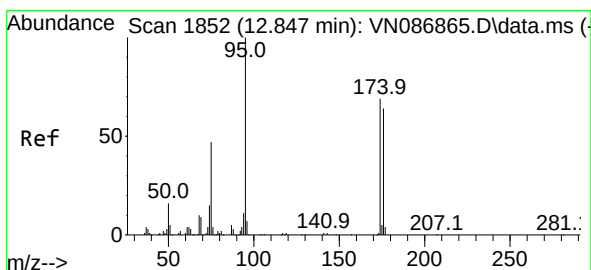
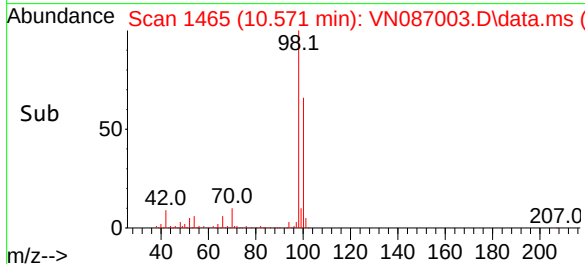
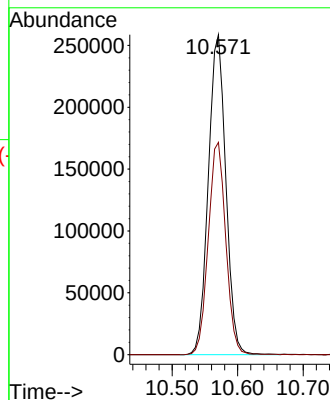
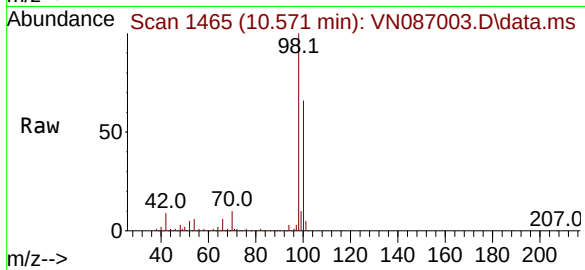
BP-VPB-182-TB-20250610

Tgt Ion: 98 Resp: 480084

Ion Ratio Lower Upper

98 100

100 66.3 53.4 80.0



#62

4-Bromofluorobenzene

Concen: 50.154 ug/l

RT: 12.847 min Scan# 1852

Delta R.T. -0.000 min

Lab File: VN087003.D

Acq: 13 Jun 2025 15:50

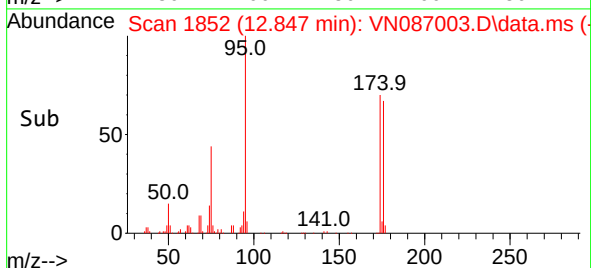
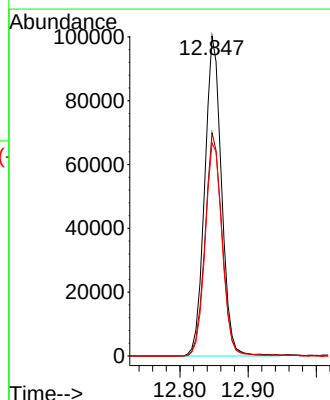
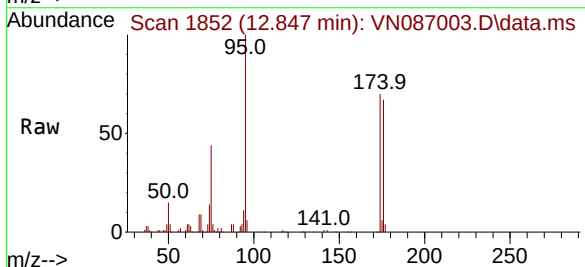
Tgt Ion: 95 Resp: 171597

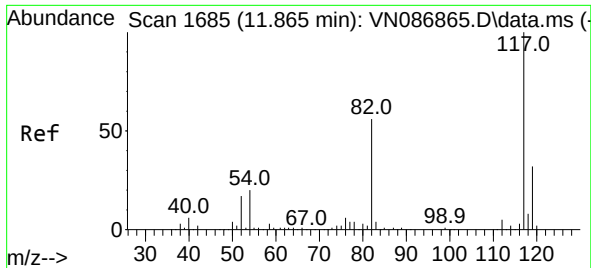
Ion Ratio Lower Upper

95 100

174 70.7 0.0 141.8

176 68.0 0.0 132.6

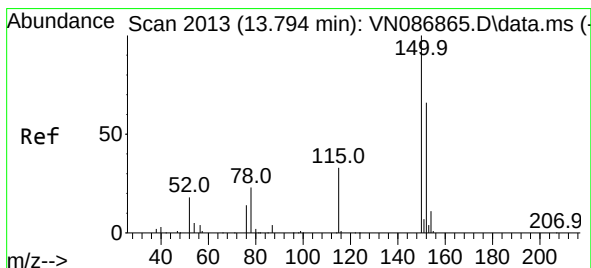
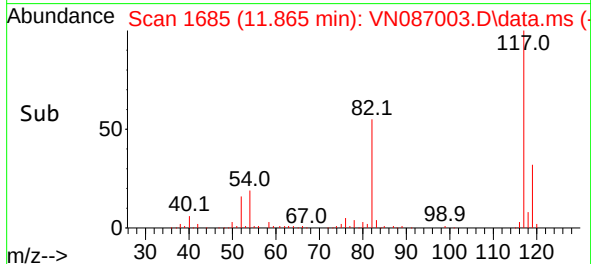
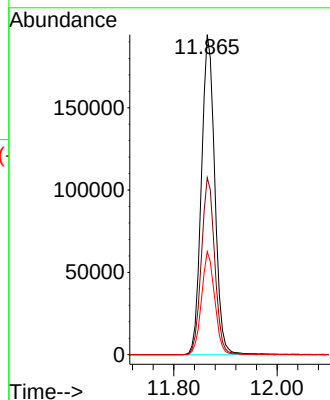
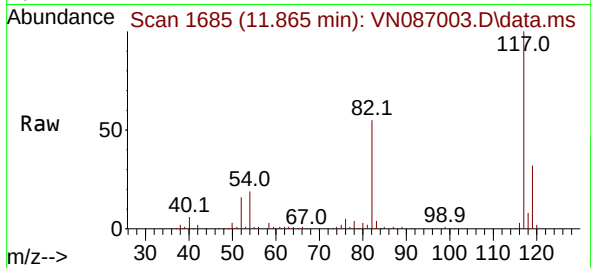




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.865 min Scan# 117
Delta R.T. -0.000 min
Lab File: VN087003.D
Acq: 13 Jun 2025 15:50

Instrument :
MSVOA_N
ClientSampleId :
BP-VPB-182-TB-20250610

Tgt Ion:117 Resp: 349983
Ion Ratio Lower Upper
117 100
82 55.3 44.6 67.0
119 32.2 25.5 38.3



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.794 min Scan# 2013
Delta R.T. -0.000 min
Lab File: VN087003.D
Acq: 13 Jun 2025 15:50

Tgt Ion:152 Resp: 169487
Ion Ratio Lower Upper
152 100
115 59.9 30.1 90.5
150 157.7 0.0 345.0

