

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN061025\
 Data File : VN086932.D
 Acq On : 10 Jun 2025 16:26
 Operator : JC\MD
 Sample : Q2251-01
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 BP-VPB-182-TB-20250603

Quant Time: Jun 11 01:57:28 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	351776	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.106	114	656962	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	575035	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.788	152	273719	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.588	65	230658	48.973	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	=	97.940%
35) Dibromofluoromethane	8.177	113	190795	49.006	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	98.020%
50) Toluene-d8	10.565	98	799111	51.848	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	=	103.700%
62) 4-Bromofluorobenzene	12.847	95	282537	49.341	ug/l	0.00
Spiked Amount	50.000	Range	77 - 121	Recovery	=	98.680%

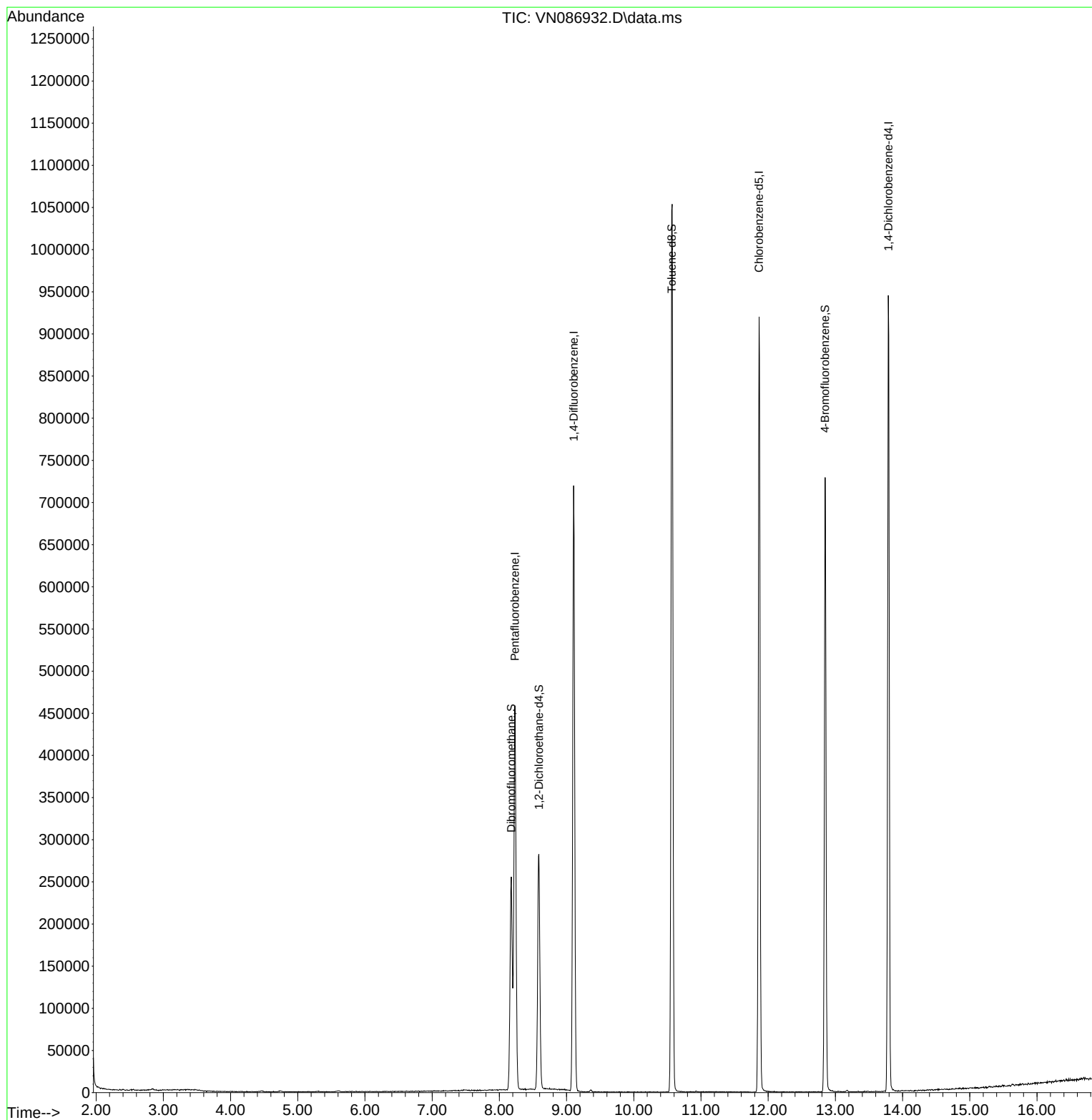
Target Compounds	Qvalue

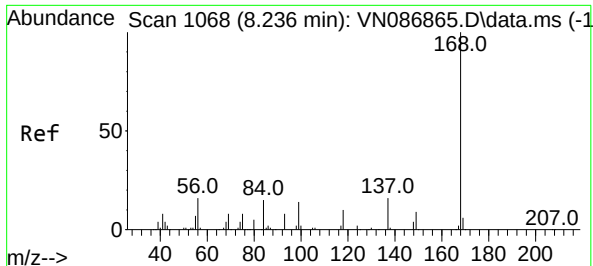
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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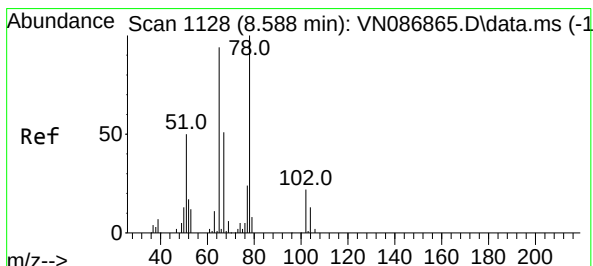
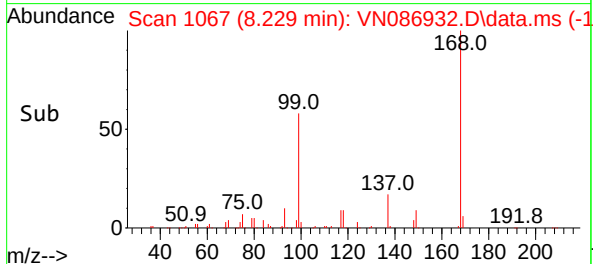
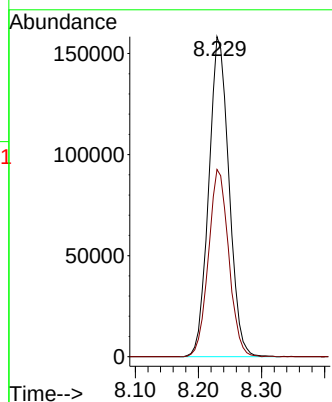
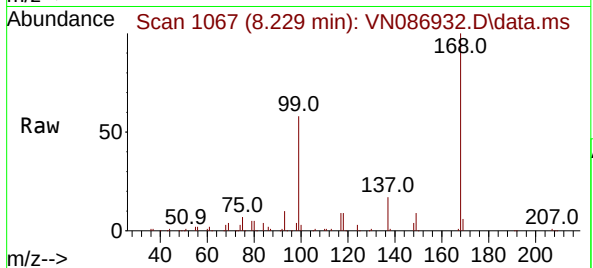




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.229 min Scan# 1067
Delta R.T. -0.007 min
Lab File: VN086932.D
Acq: 10 Jun 2025 16:26

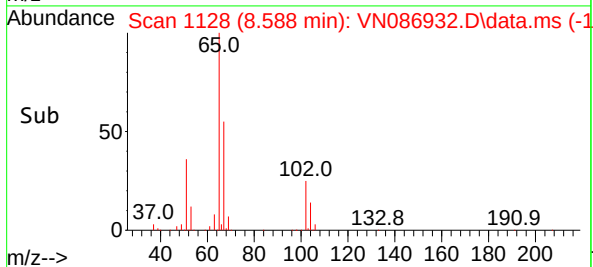
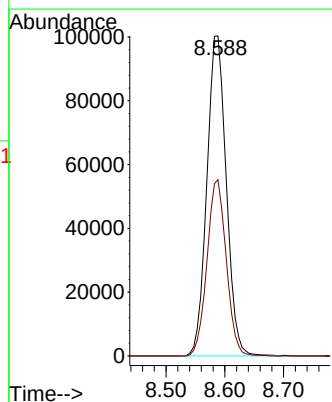
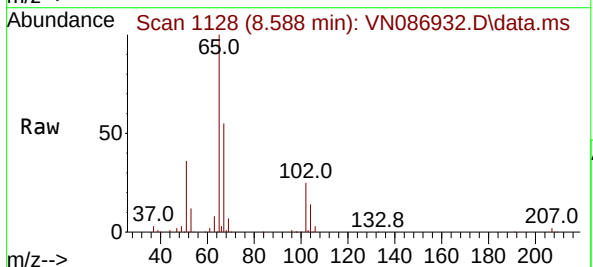
Instrument :
MSVOA_N
ClientSampleId :
BP-VPB-182-TB-20250603

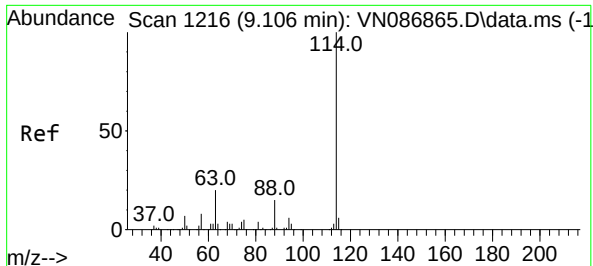
Tgt Ion:168 Resp: 351776
Ion Ratio Lower Upper
168 100
99 58.5 49.1 73.7



#33
1,2-Dichloroethane-d4
Concen: 48.973 ug/l
RT: 8.588 min Scan# 1128
Delta R.T. -0.000 min
Lab File: VN086932.D
Acq: 10 Jun 2025 16:26

Tgt Ion: 65 Resp: 230658
Ion Ratio Lower Upper
65 100
67 54.5 0.0 105.6

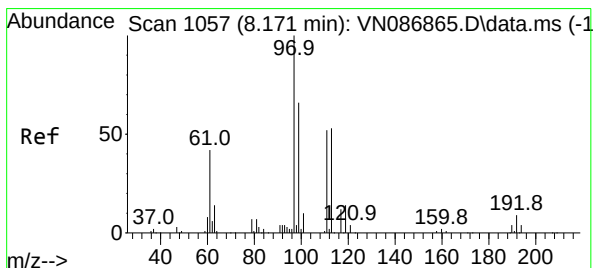
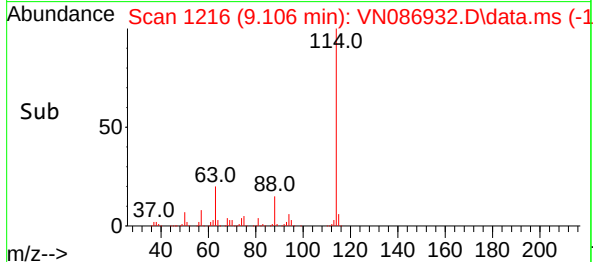
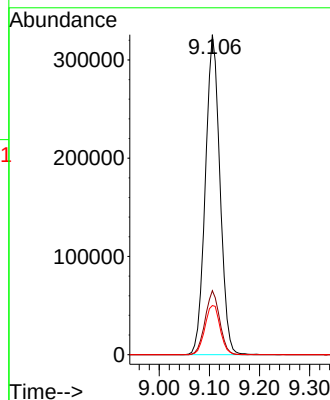
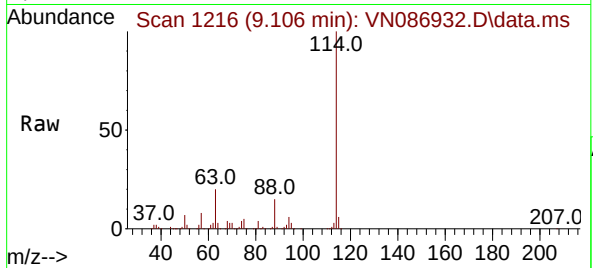




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 9.106 min Scan# 11
Delta R.T. -0.000 min
Lab File: VN086932.D
Acq: 10 Jun 2025 16:26

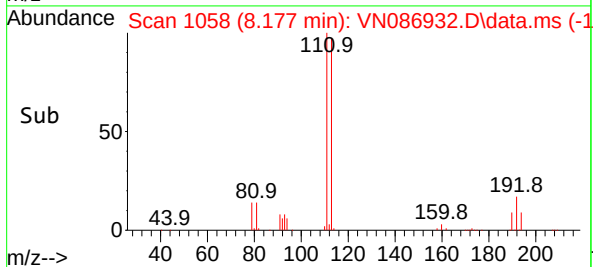
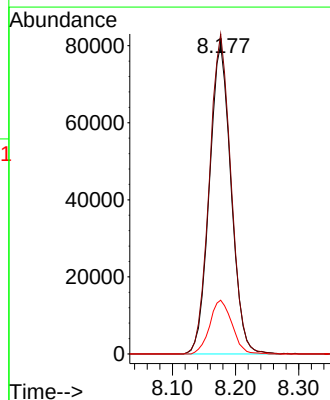
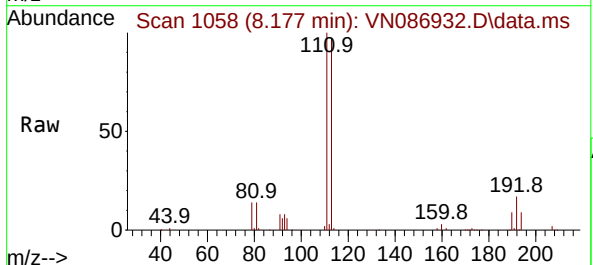
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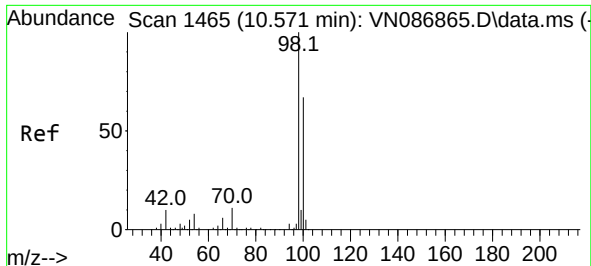
Tgt Ion:114 Resp: 656962
Ion Ratio Lower Upper
114 100
63 20.0 0.0 39.6
88 15.4 0.0 30.2



#35
Dibromofluoromethane
Concen: 49.006 ug/l
RT: 8.177 min Scan# 1058
Delta R.T. 0.006 min
Lab File: VN086932.D
Acq: 10 Jun 2025 16:26

Tgt Ion:113 Resp: 190795
Ion Ratio Lower Upper
113 100
111 103.7 84.2 126.2
192 17.8 14.2 21.4

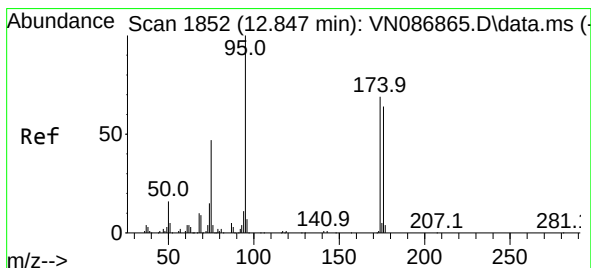
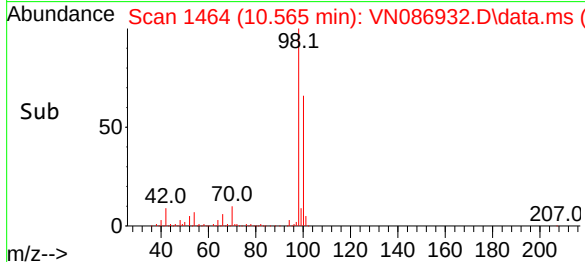
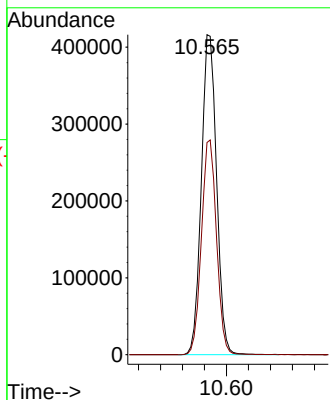
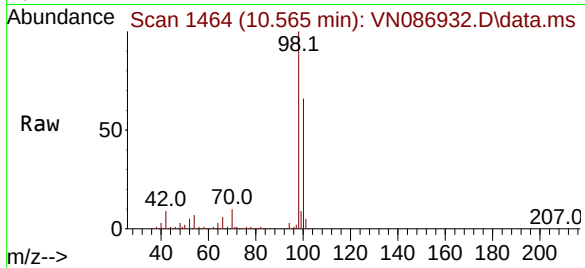




#50
Toluene-d8
Concen: 51.848 ug/l
RT: 10.565 min Scan# 1464
Delta R.T. -0.006 min
Lab File: VN086932.D
Acq: 10 Jun 2025 16:26

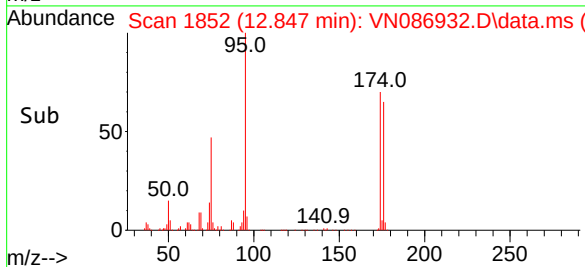
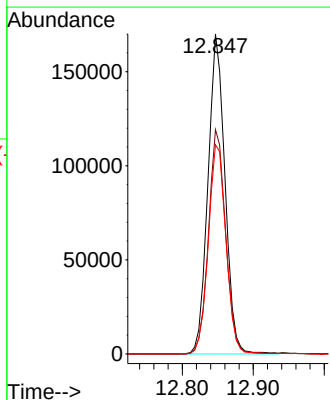
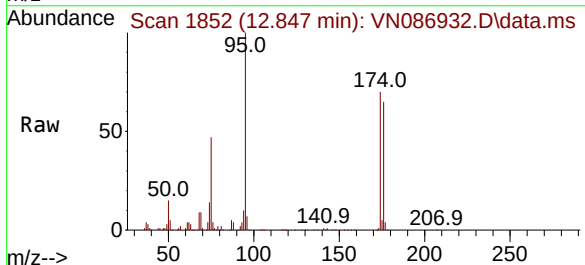
Instrument :
MSVOA_N
ClientSampleId :
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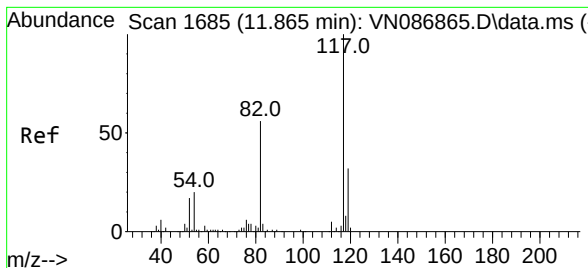
Tgt Ion: 98 Resp: 799111
Ion Ratio Lower Upper
98 100
100 66.4 53.4 80.0



#62
4-Bromofluorobenzene
Concen: 49.341 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. -0.000 min
Lab File: VN086932.D
Acq: 10 Jun 2025 16:26

Tgt Ion: 95 Resp: 282537
Ion Ratio Lower Upper
95 100
174 71.1 0.0 141.8
176 67.9 0.0 132.6





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.865 min Scan# 1

Delta R.T. -0.000 min

Lab File: VN086932.D

Acq: 10 Jun 2025 16:26

Instrument :

MSVOA_N

ClientSampleId :

BP-VPB-182-TB-20250603

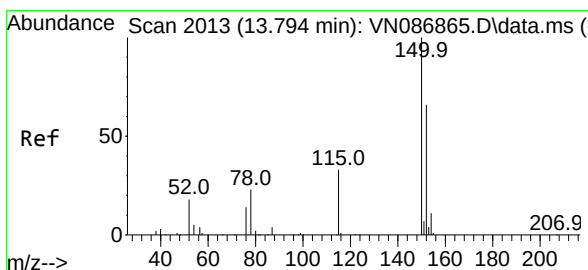
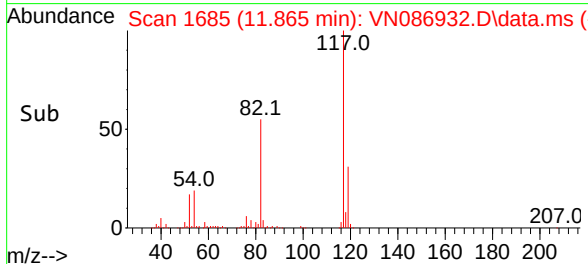
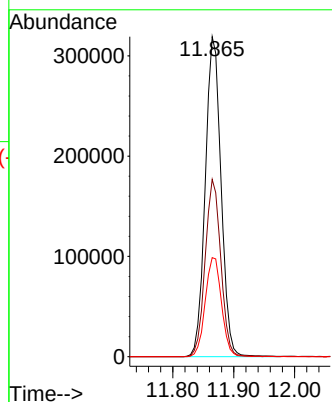
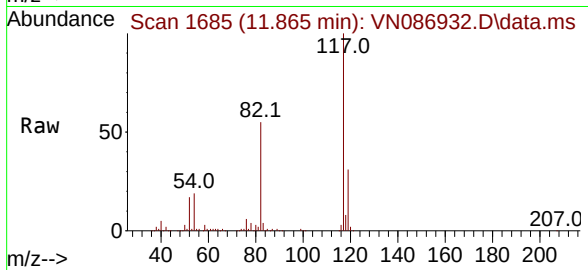
Tgt Ion:117 Resp: 575035

Ion Ratio Lower Upper

117 100

82 55.4 44.6 67.0

119 31.0 25.5 38.3



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.788 min Scan# 2012

Delta R.T. -0.006 min

Lab File: VN086932.D

Acq: 10 Jun 2025 16:26

Tgt Ion:152 Resp: 273719

Ion Ratio Lower Upper

152 100

115 60.6 30.1 90.5

150 158.7 0.0 345.0

