

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN061225\
 Data File : VN086981.D
 Acq On : 12 Jun 2025 16:39
 Operator : JC\MD
 Sample : IBLK
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 IBLK

Quant Time: Jun 13 01:30:41 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	8.235	168	198258	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.106	114	387180	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	346249	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.794	152	161624	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.588	65	139481	52.546	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	=	105.100%
35) Dibromofluoromethane	8.177	113	116405	50.732	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	101.460%
50) Toluene-d8	10.570	98	471551	51.913	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	=	103.820%
62) 4-Bromofluorobenzene	12.847	95	166555	49.353	ug/l	0.00
Spiked Amount	50.000	Range	77 - 121	Recovery	=	98.700%

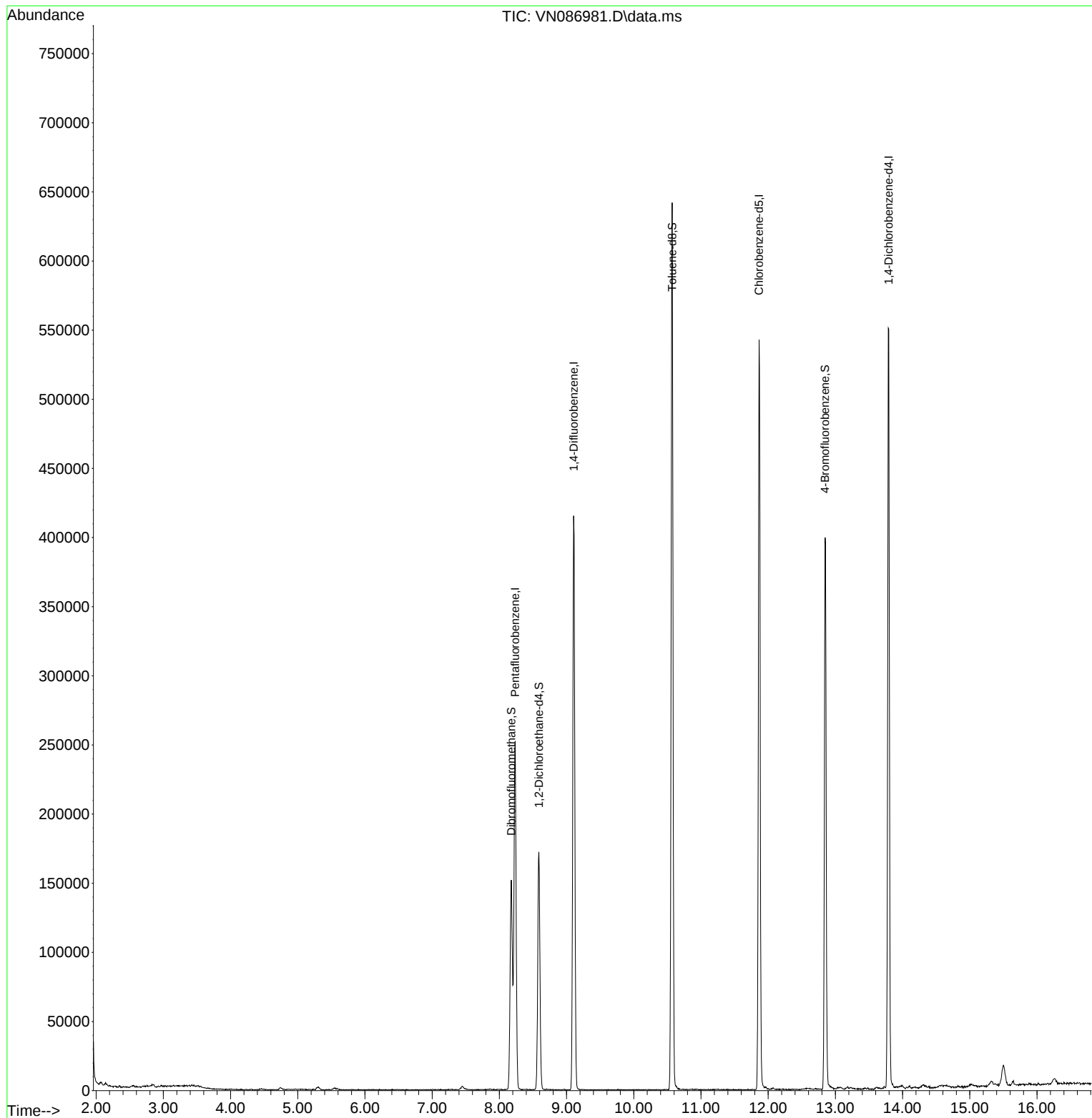
Target Compounds	Qvalue

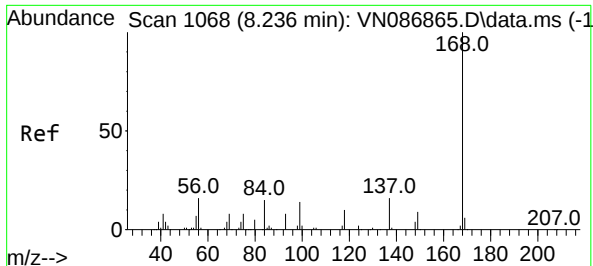
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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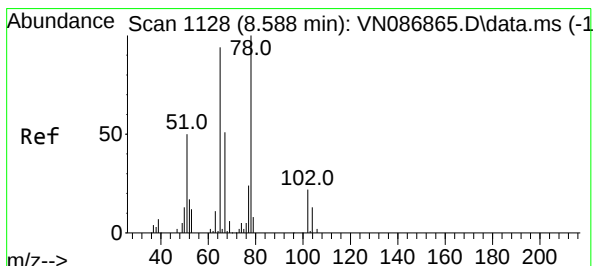
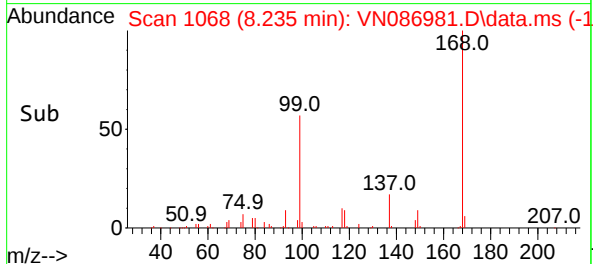
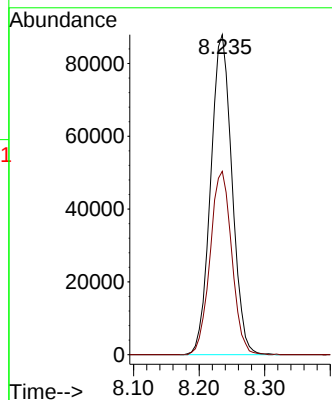
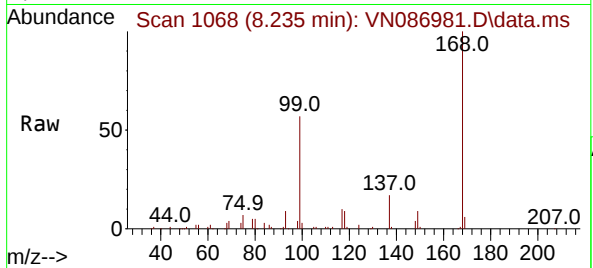




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.235 min Scan# 1068
Delta R.T. -0.001 min
Lab File: VN086981.D
Acq: 12 Jun 2025 16:39

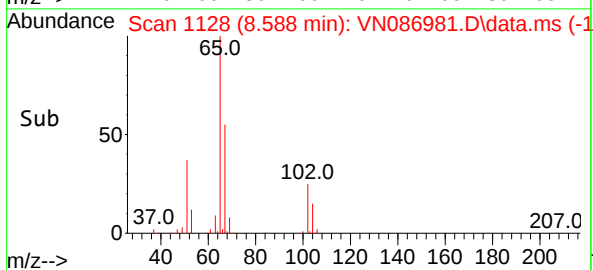
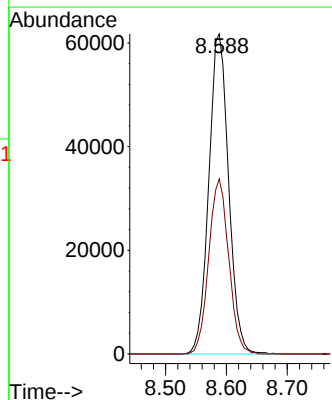
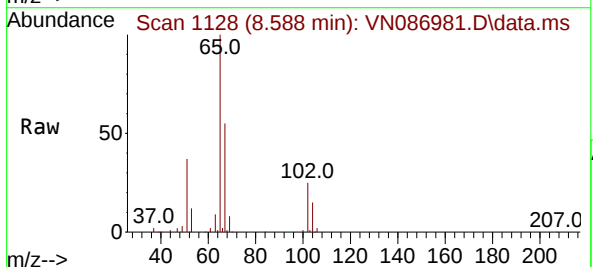
Instrument :
MSVOA_N
ClientSampleId :
IBLK

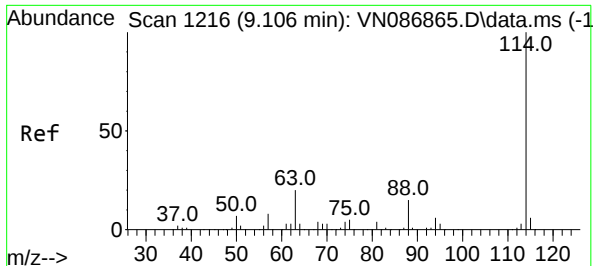
Tgt Ion:168 Resp: 198258
Ion Ratio Lower Upper
168 100
99 57.3 49.1 73.7



#33
1,2-Dichloroethane-d4
Concen: 52.546 ug/l
RT: 8.588 min Scan# 1128
Delta R.T. -0.000 min
Lab File: VN086981.D
Acq: 12 Jun 2025 16:39

Tgt Ion: 65 Resp: 139481
Ion Ratio Lower Upper
65 100
67 55.0 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: VN086981.D

Acq: 12 Jun 2025 16:39

Instrument :

MSVOA_N

ClientSampleId :

IBLK

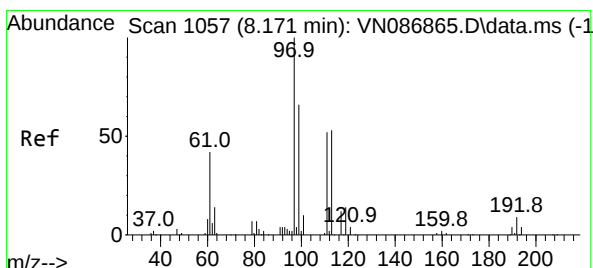
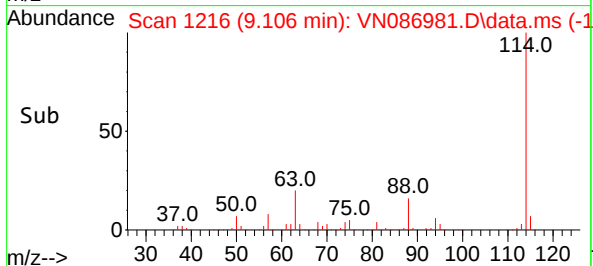
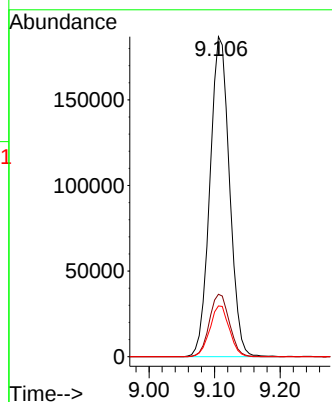
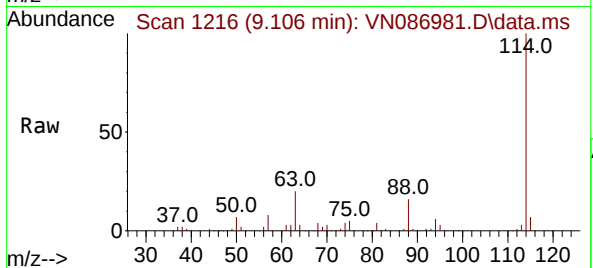
Tgt Ion:114 Resp: 387180

Ion Ratio Lower Upper

114 100

63 19.5 0.0 39.6

88 15.9 0.0 30.2



#35

Dibromofluoromethane

Concen: 50.732 ug/l

RT: 8.177 min Scan# 1058

Delta R.T. 0.006 min

Lab File: VN086981.D

Acq: 12 Jun 2025 16:39

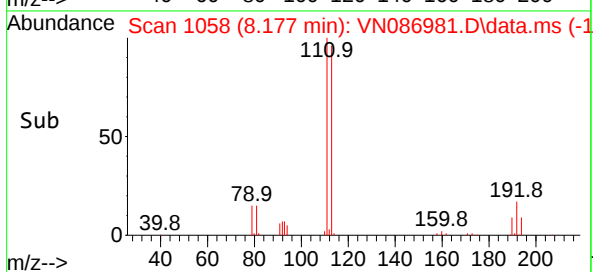
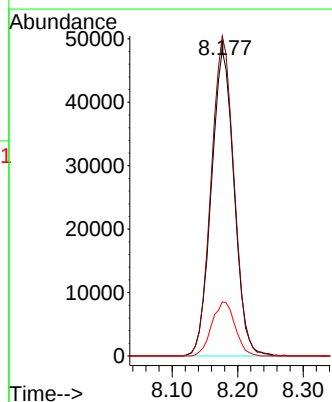
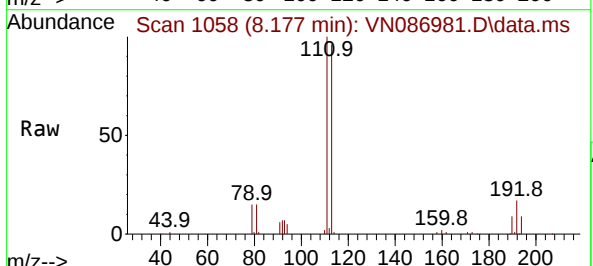
Tgt Ion:113 Resp: 116405

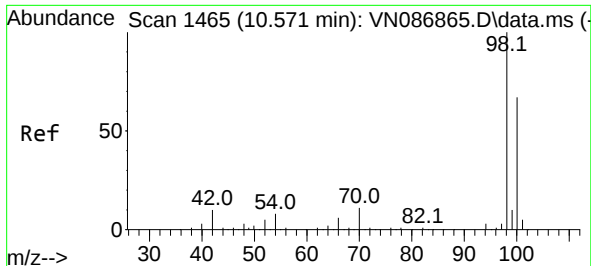
Ion Ratio Lower Upper

113 100

111 104.5 84.2 126.2

192 18.0 14.2 21.4

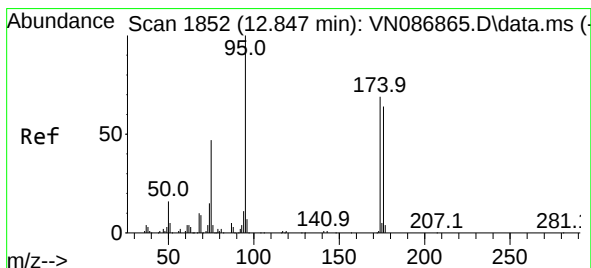
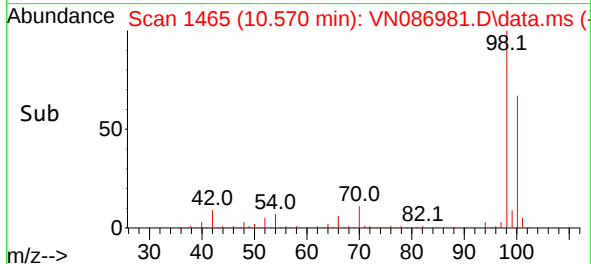
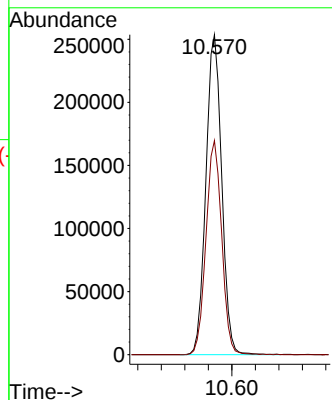
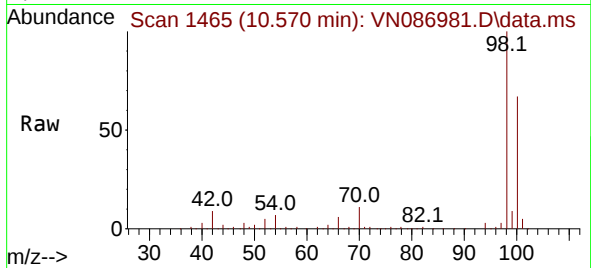




#50
Toluene-d8
Concen: 51.913 ug/l
RT: 10.570 min Scan# 1465
Delta R.T. -0.000 min
Lab File: VN086981.D
Acq: 12 Jun 2025 16:39

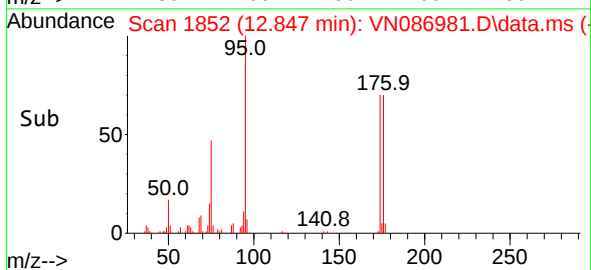
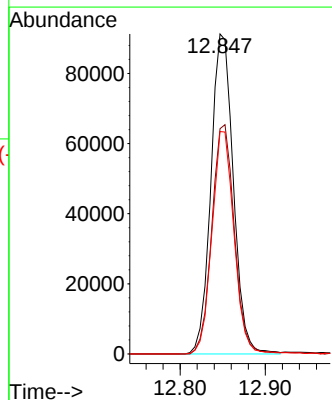
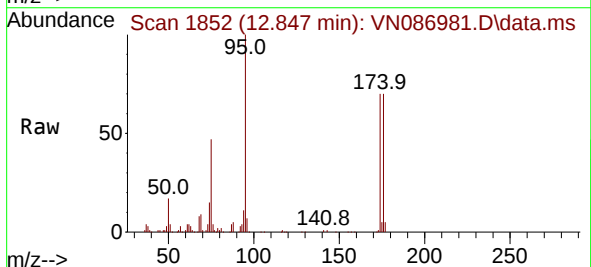
Instrument :
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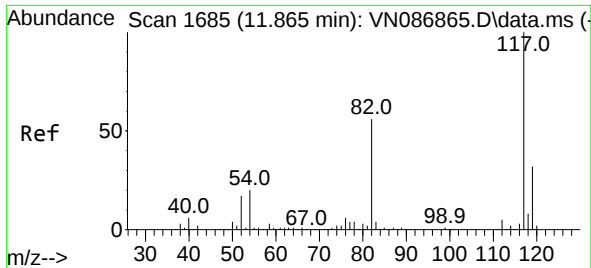
Tgt Ion: 98 Resp: 471551
Ion Ratio Lower Upper
98 100
100 66.5 53.4 80.0



#62
4-Bromofluorobenzene
Concen: 49.353 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. -0.000 min
Lab File: VN086981.D
Acq: 12 Jun 2025 16:39

Tgt Ion: 95 Resp: 166555
Ion Ratio Lower Upper
95 100
174 72.4 0.0 141.8
176 68.8 0.0 132.6

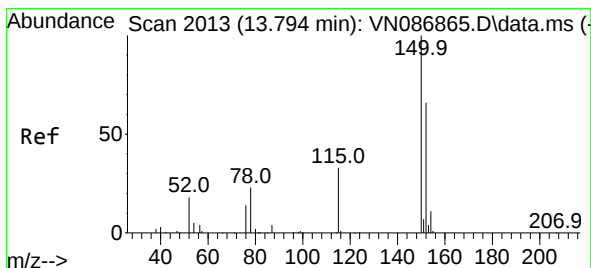
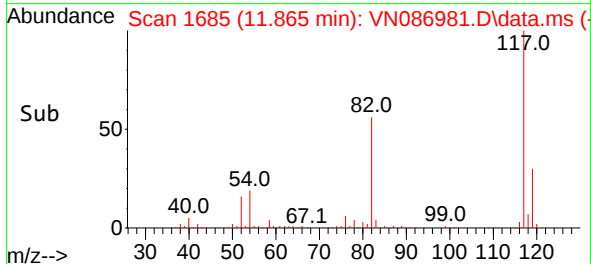
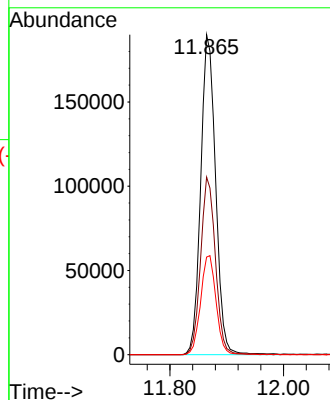
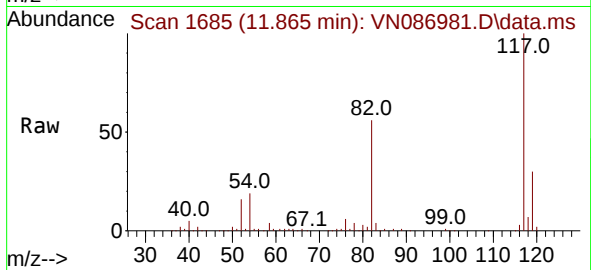




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.865 min Scan# 117
Delta R.T. -0.000 min
Lab File: VN086981.D
Acq: 12 Jun 2025 16:39

Instrument :
MSVOA_N
ClientSampleId :
IBLK

Tgt Ion:117 Resp: 346249
Ion Ratio Lower Upper
117 100
82 55.5 44.6 67.0
119 30.5 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: VN086981.D
Acq: 12 Jun 2025 16:39

Tgt Ion:152 Resp: 161624
Ion Ratio Lower Upper
152 100
115 62.3 30.1 90.5
150 160.5 0.0 345.0

