

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN062425\
 Data File : VN087157.D
 Acq On : 24 Jun 2025 15:28
 Operator : JC\MD
 Sample : IBLK
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 IBLK

Quant Time: Jun 25 04:19:56 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	158318	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.106	114	312326	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	306418	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.788	152	143964	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.588	65	129273	60.986	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	= 121.980%	
35) Dibromofluoromethane	8.171	113	100672	54.390	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	= 108.780%	
50) Toluene-d8	10.571	98	417101	56.924	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	= 113.840%#	
62) 4-Bromofluorobenzene	12.847	95	146192	53.702	ug/l	0.00
Spiked Amount	50.000	Range	77 - 121	Recovery	= 107.400%	

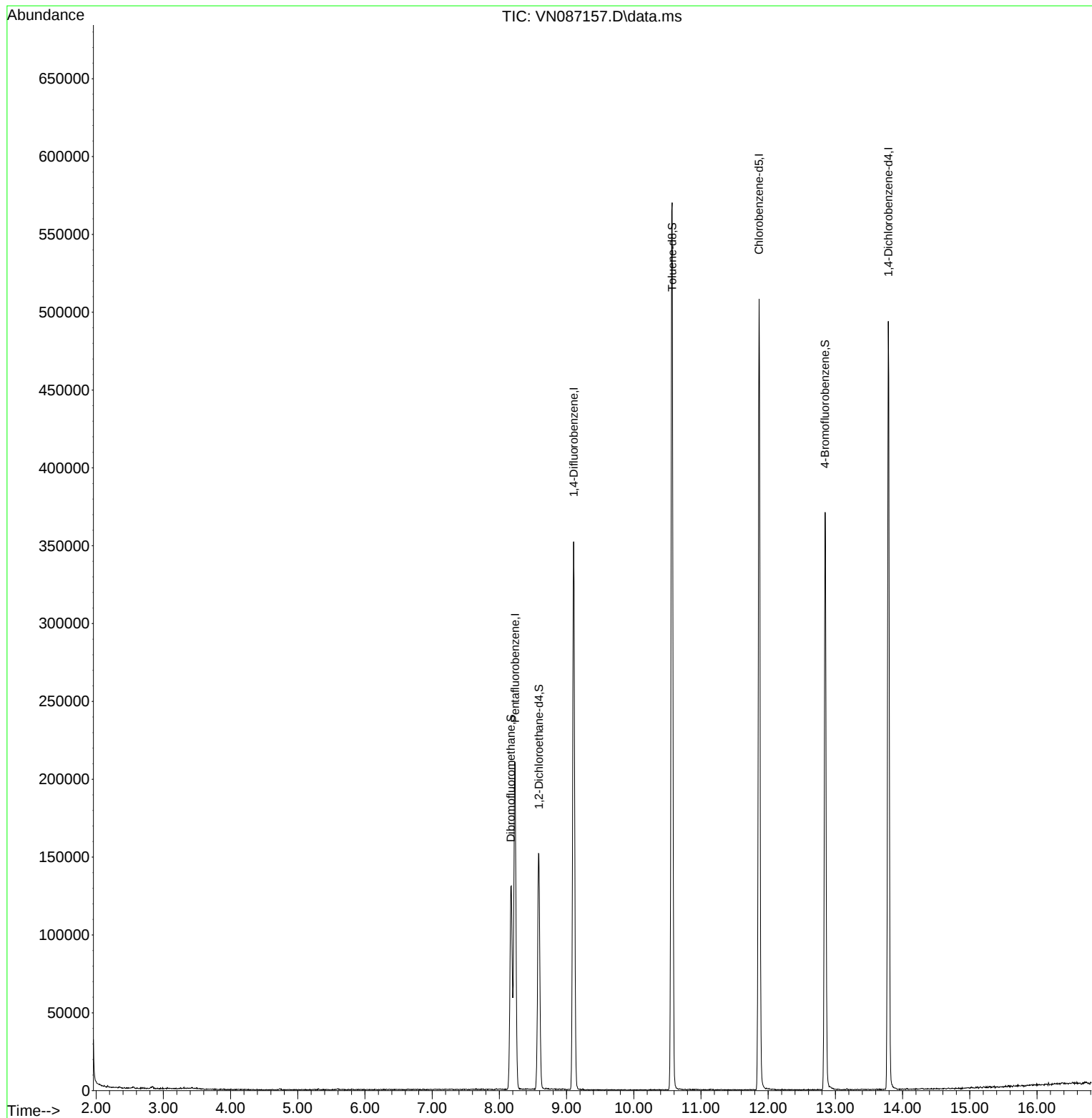
Target Compounds	Qvalue

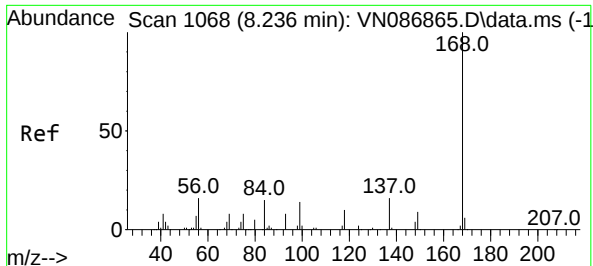
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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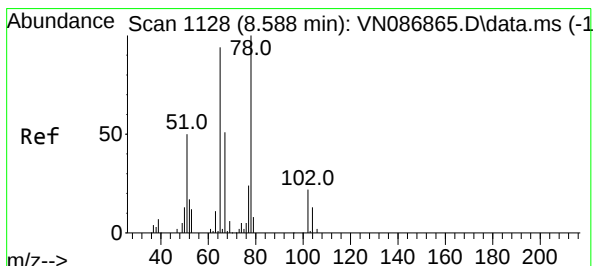
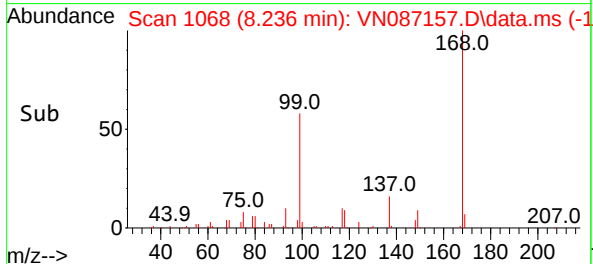
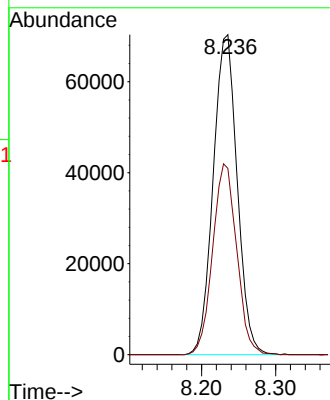
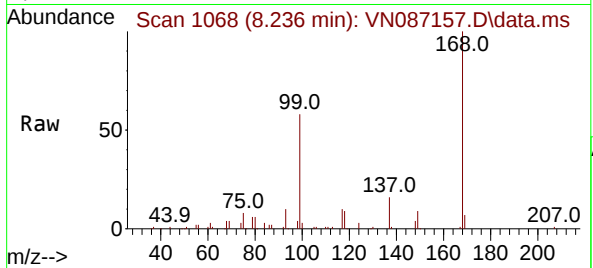




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.236 min Scan# 1068
Delta R.T. -0.001 min
Lab File: VN087157.D
Acq: 24 Jun 2025 15:28

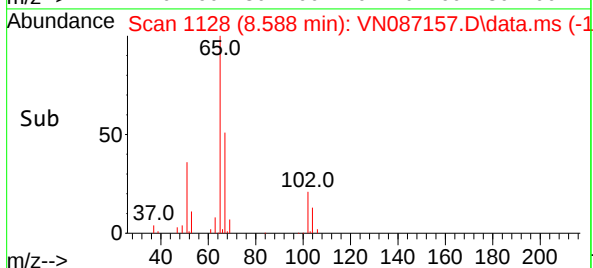
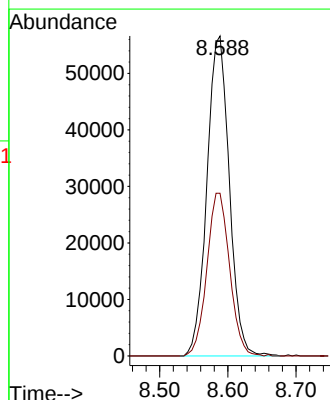
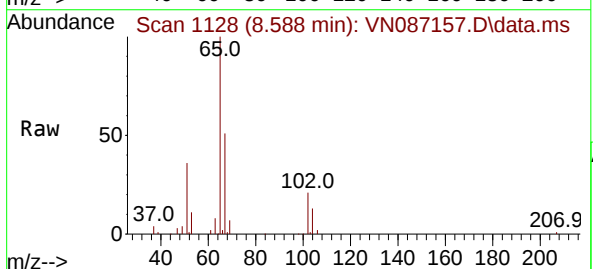
Instrument :
MSVOA_N
ClientSampleId :
IBLK

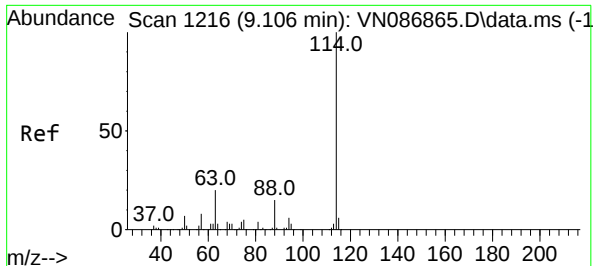
Tgt Ion:168 Resp: 158318
Ion Ratio Lower Upper
168 100
99 58.2 49.1 73.7



#33
1,2-Dichloroethane-d4
Concen: 60.986 ug/l
RT: 8.588 min Scan# 1128
Delta R.T. -0.000 min
Lab File: VN087157.D
Acq: 24 Jun 2025 15:28

Tgt Ion: 65 Resp: 129273
Ion Ratio Lower Upper
65 100
67 51.7 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: VN087157.D

Acq: 24 Jun 2025 15:28

Instrument :

MSVOA_N

ClientSampleId :

IBLK

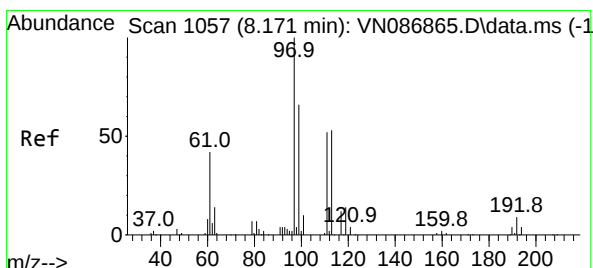
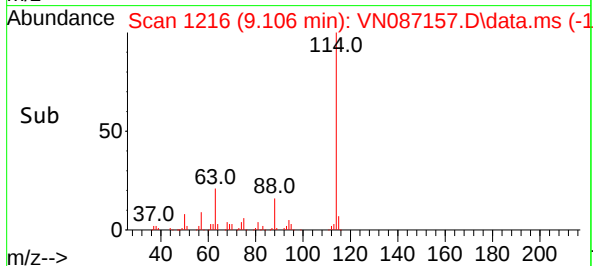
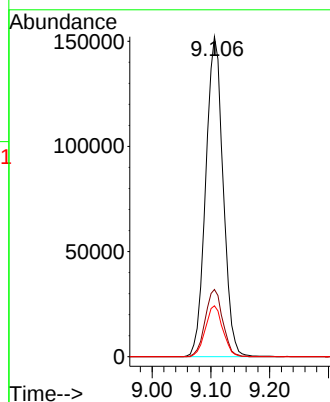
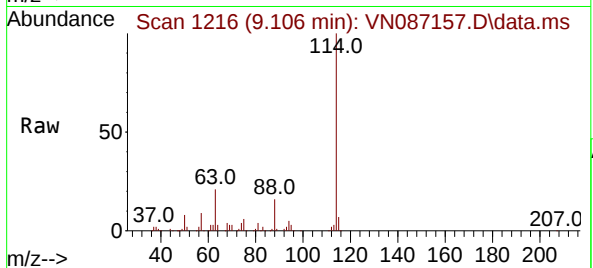
Tgt Ion:114 Resp: 312326

Ion Ratio Lower Upper

114 100

63 21.0 0.0 39.6

88 15.9 0.0 30.2



#35

Dibromofluoromethane

Concen: 54.390 ug/l

RT: 8.171 min Scan# 1057

Delta R.T. -0.000 min

Lab File: VN087157.D

Acq: 24 Jun 2025 15:28

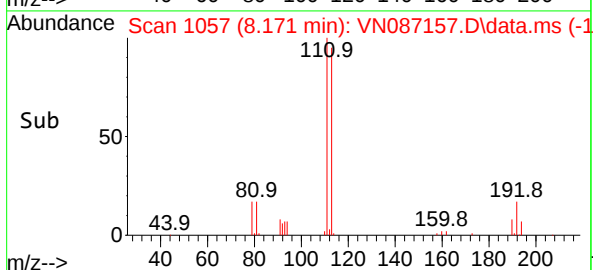
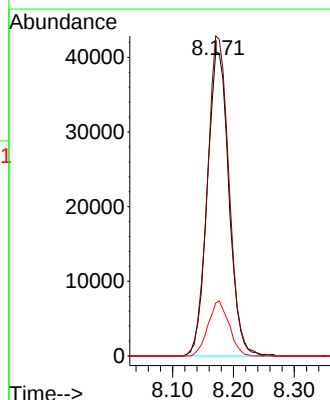
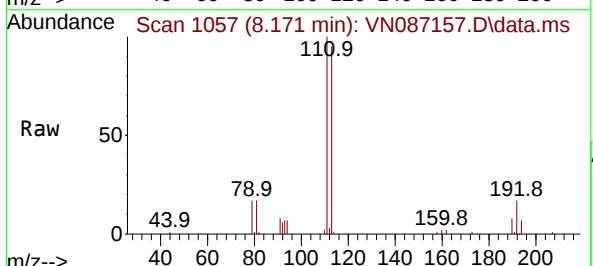
Tgt Ion:113 Resp: 100672

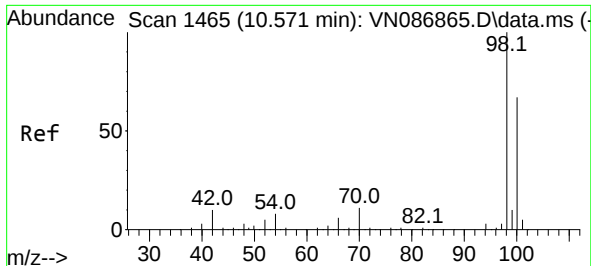
Ion Ratio Lower Upper

113 100

111 104.5 84.2 126.2

192 17.5 14.2 21.4

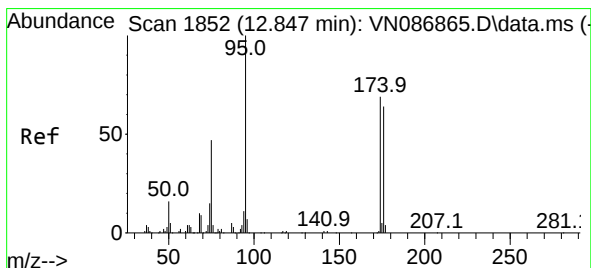
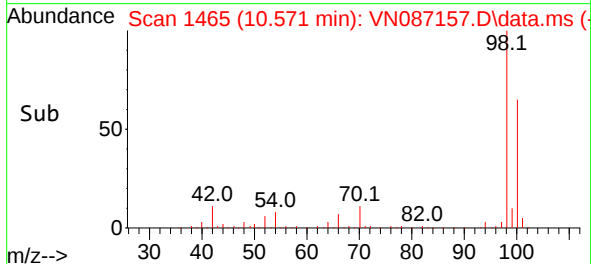
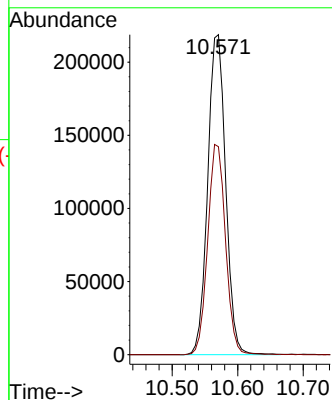
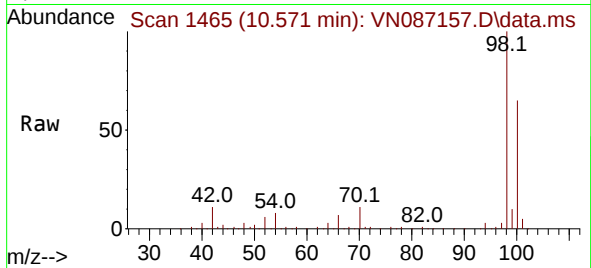




#50
Toluene-d8
Concen: 56.924 ug/l
RT: 10.571 min Scan# 1465
Delta R.T. -0.000 min
Lab File: VN087157.D
Acq: 24 Jun 2025 15:28

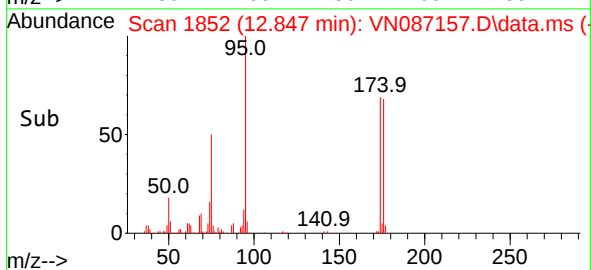
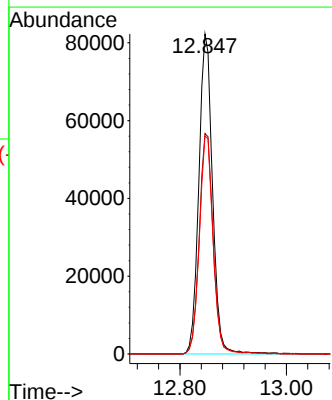
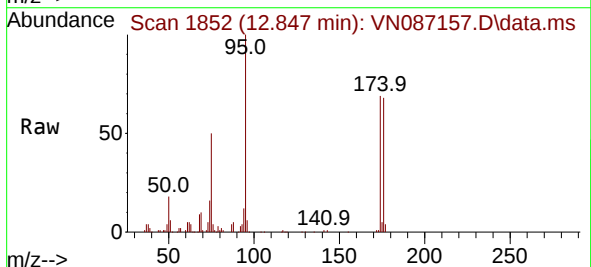
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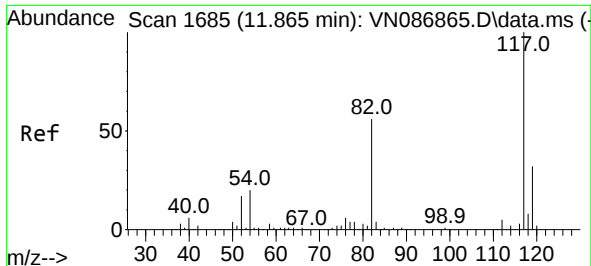
Tgt Ion: 98 Resp: 417101
Ion Ratio Lower Upper
98 100
100 65.2 53.4 80.0



#62
4-Bromofluorobenzene
Concen: 53.702 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. -0.000 min
Lab File: VN087157.D
Acq: 24 Jun 2025 15:28

Tgt Ion: 95 Resp: 146192
Ion Ratio Lower Upper
95 100
174 69.9 0.0 141.8
176 68.5 0.0 132.6

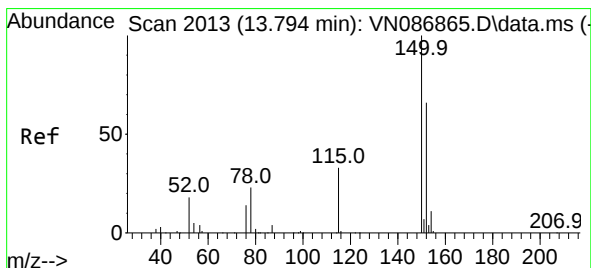
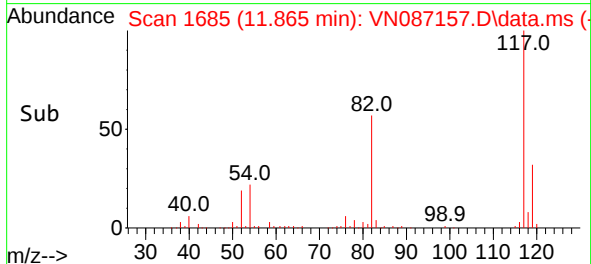
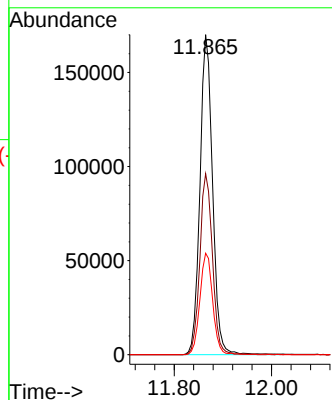
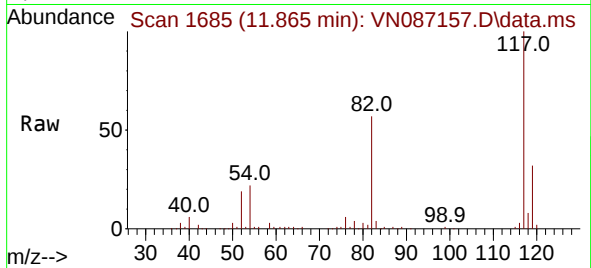




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.865 min Scan# 11
Delta R.T. -0.000 min
Lab File: VN087157.D
Acq: 24 Jun 2025 15:28

Instrument :
MSVOA_N
ClientSampleId :
IBLK

Tgt Ion:117 Resp: 306418
Ion Ratio Lower Upper
117 100
82 56.6 44.6 67.0
119 31.7 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: VN087157.D
Acq: 24 Jun 2025 15:28

Tgt Ion:152 Resp: 143964
Ion Ratio Lower Upper
152 100
115 60.4 30.1 90.5
150 153.9 0.0 345.0

