

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN062025\
 Data File : VN087144.D
 Acq On : 20 Jun 2025 16:52
 Operator : JC\MD
 Sample : IBLK
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 24 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 IBLK

Quant Time: Jun 20 23:09:52 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	264709	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.106	114	547394	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	477801	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.788	152	250993	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.582	65	188541	53.198	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	=	106.400%
35) Dibromofluoromethane	8.177	113	160091	49.350	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	98.700%
50) Toluene-d8	10.565	98	715388	55.707	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	=	111.420%
62) 4-Bromofluorobenzene	12.847	95	227983	47.783	ug/l	0.00
Spiked Amount	50.000	Range	77 - 121	Recovery	=	95.560%

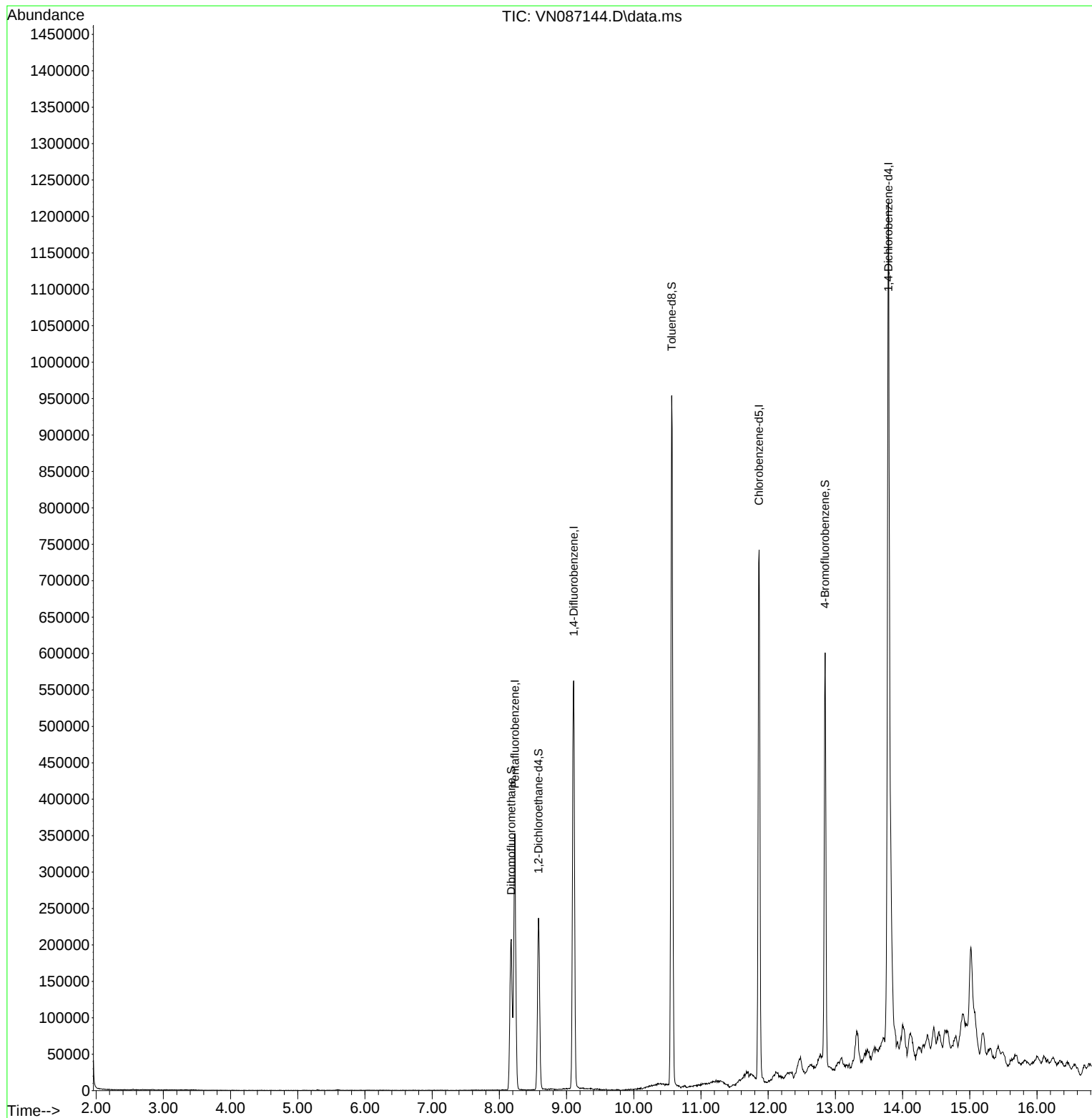
Target Compounds	Qvalue

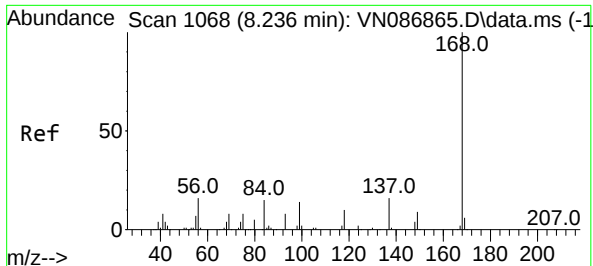
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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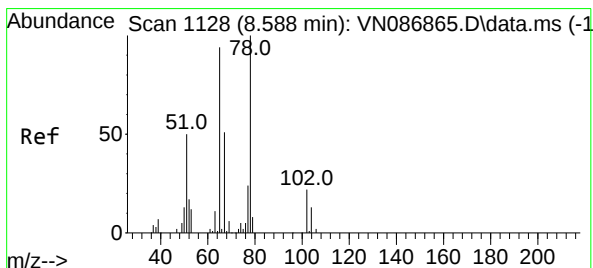
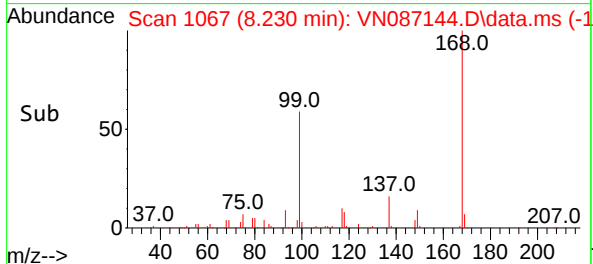
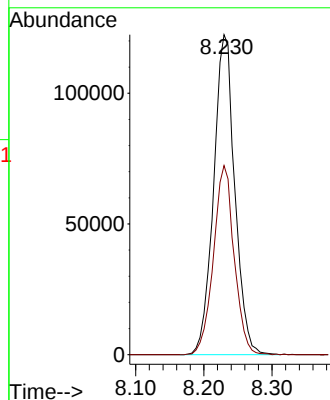
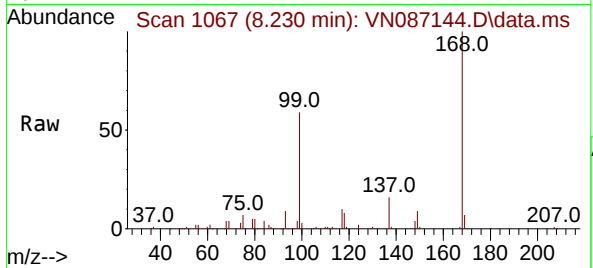




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.230 min Scan# 1107
Delta R.T. -0.006 min
Lab File: VN087144.D
Acq: 20 Jun 2025 16:52

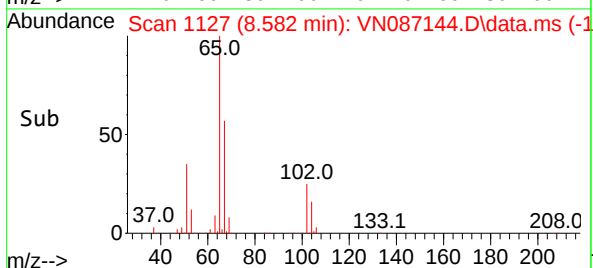
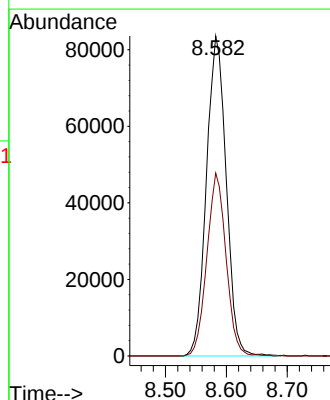
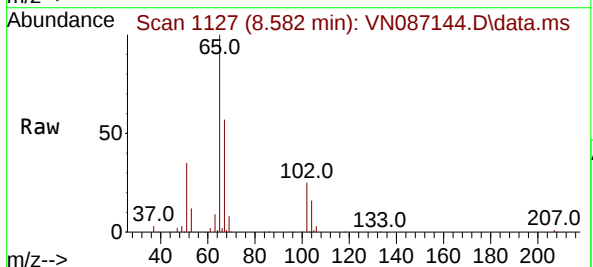
Instrument :
MSVOA_N
ClientSampleId :
IBLK

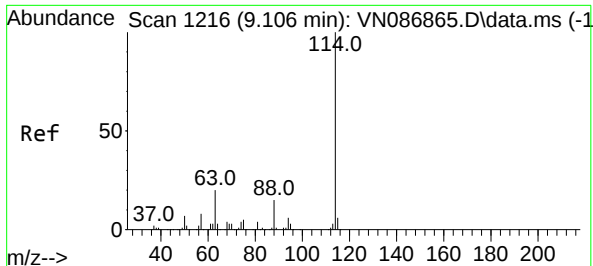
Tgt Ion:168 Resp: 264709
Ion Ratio Lower Upper
168 100
99 59.1 49.1 73.7



#33
1,2-Dichloroethane-d4
Concen: 53.198 ug/l
RT: 8.582 min Scan# 1127
Delta R.T. -0.006 min
Lab File: VN087144.D
Acq: 20 Jun 2025 16:52

Tgt Ion: 65 Resp: 188541
Ion Ratio Lower Upper
65 100
67 55.4 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: VN087144.D

Acq: 20 Jun 2025 16:52

Instrument :

MSVOA_N

ClientSampleId :

IBLK

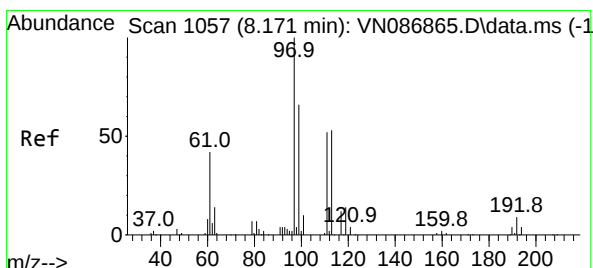
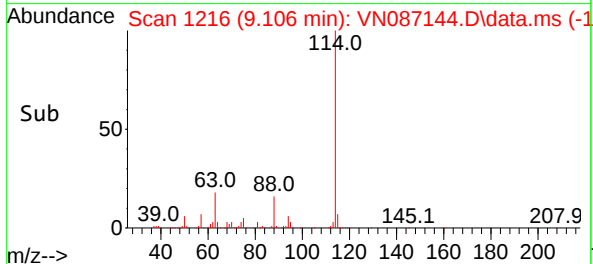
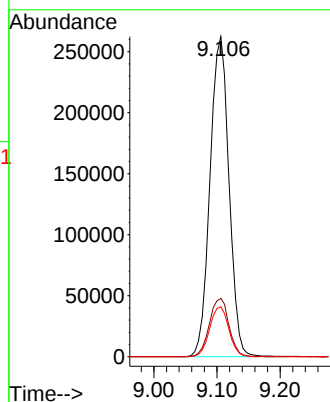
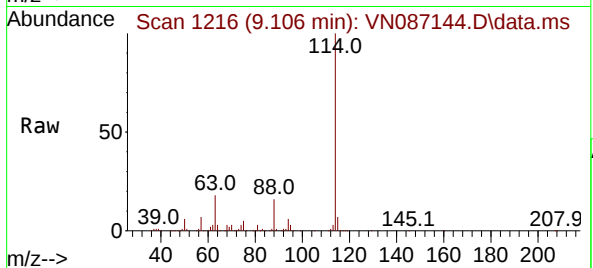
Tgt Ion:114 Resp: 547394

Ion Ratio Lower Upper

114 100

63 18.2 0.0 39.6

88 15.6 0.0 30.2



#35

Dibromofluoromethane

Concen: 49.350 ug/l

RT: 8.177 min Scan# 1058

Delta R.T. 0.006 min

Lab File: VN087144.D

Acq: 20 Jun 2025 16:52

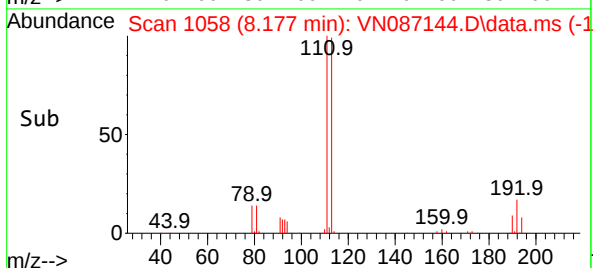
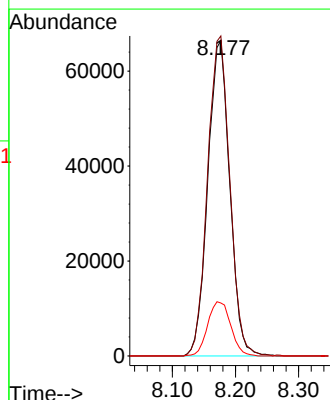
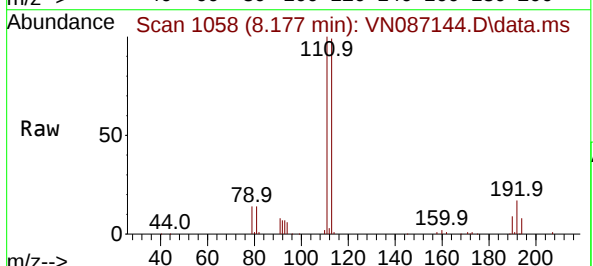
Tgt Ion:113 Resp: 160091

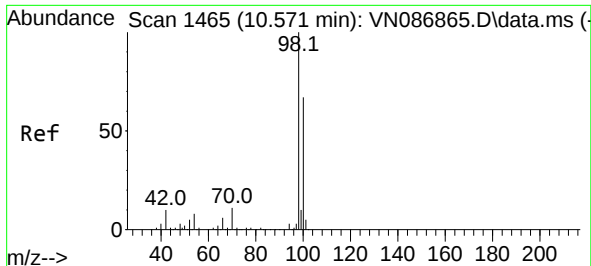
Ion Ratio Lower Upper

113 100

111 102.9 84.2 126.2

192 18.1 14.2 21.4

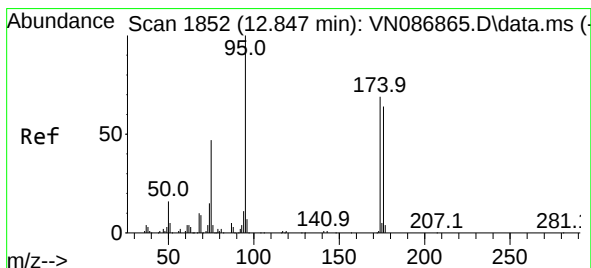
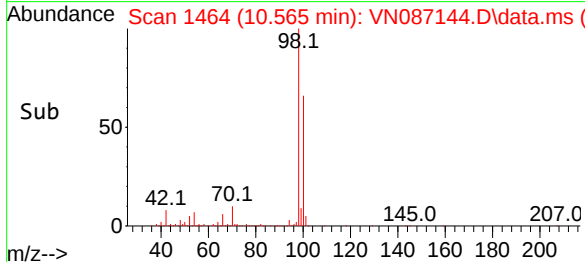
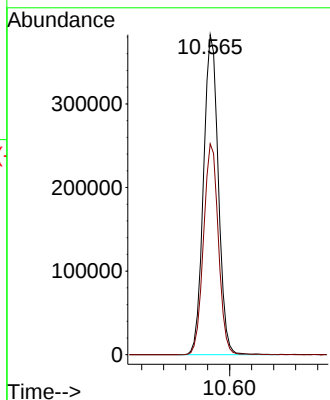
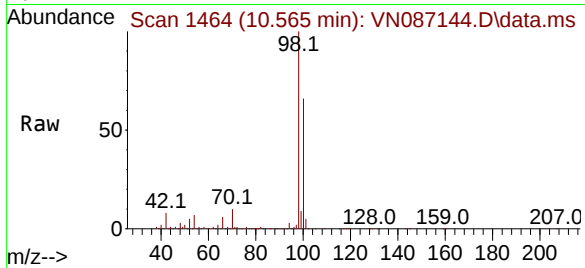




#50
Toluene-d8
Concen: 55.707 ug/l
RT: 10.565 min Scan# 1464
Delta R.T. -0.006 min
Lab File: VN087144.D
Acq: 20 Jun 2025 16:52

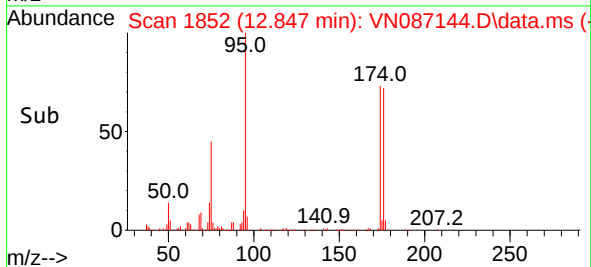
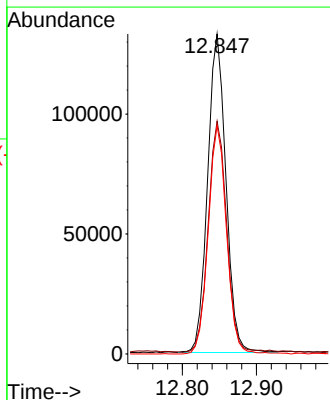
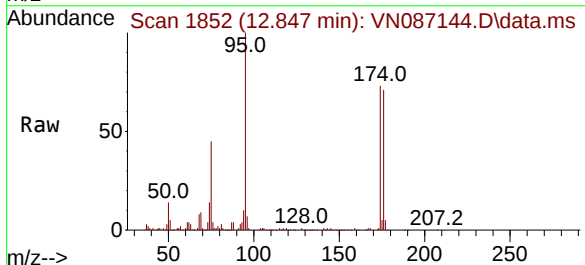
Instrument :
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ClientSampleId :
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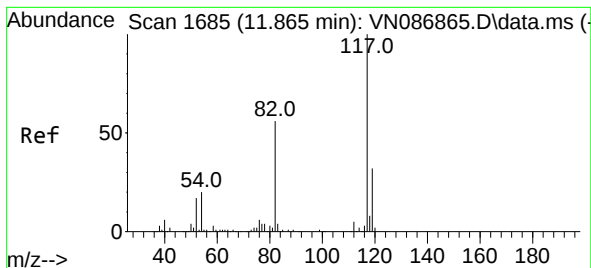
Tgt Ion: 98 Resp: 715388
Ion Ratio Lower Upper
98 100
100 66.1 53.4 80.0



#62
4-Bromofluorobenzene
Concen: 47.783 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. -0.000 min
Lab File: VN087144.D
Acq: 20 Jun 2025 16:52

Tgt Ion: 95 Resp: 227983
Ion Ratio Lower Upper
95 100
174 73.8 0.0 141.8
176 71.8 0.0 132.6

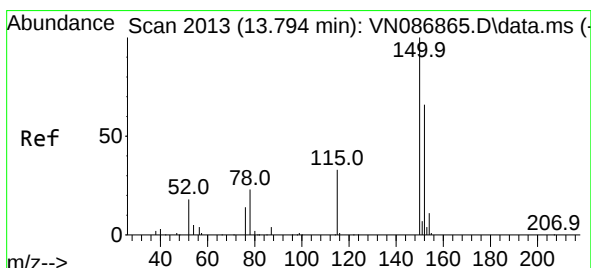
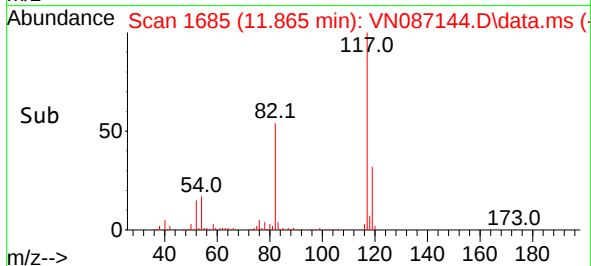
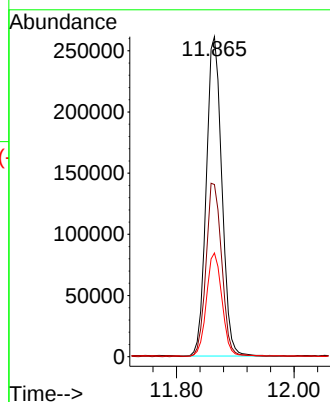
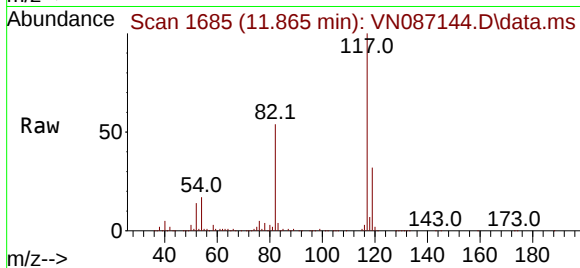




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.865 min Scan# 117
Delta R.T. -0.000 min
Lab File: VN087144.D
Acq: 20 Jun 2025 16:52

Instrument :
MSVOA_N
ClientSampleId :
IBLK

Tgt Ion:117 Resp: 477801
Ion Ratio Lower Upper
117 100
82 53.8 44.6 67.0
119 32.2 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: VN087144.D
Acq: 20 Jun 2025 16:52

Tgt Ion:152 Resp: 250993
Ion Ratio Lower Upper
152 100
115 74.1 30.1 90.5
150 157.2 0.0 345.0

