

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN061225\
 Data File : VN086982.D
 Acq On : 12 Jun 2025 17:02
 Operator : JC\MD
 Sample : IBLK
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 IBLK

Quant Time: Jun 13 01:31:02 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	256045	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.106	114	494623	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	444190	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.794	152	212692	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.589	65	173687	50.665	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	=	101.320%
35) Dibromofluoromethane	8.177	113	148447	50.643	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	101.280%
50) Toluene-d8	10.571	98	601678	51.851	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	=	103.700%
62) 4-Bromofluorobenzene	12.847	95	214423	49.736	ug/l	0.00
Spiked Amount	50.000	Range	77 - 121	Recovery	=	99.480%

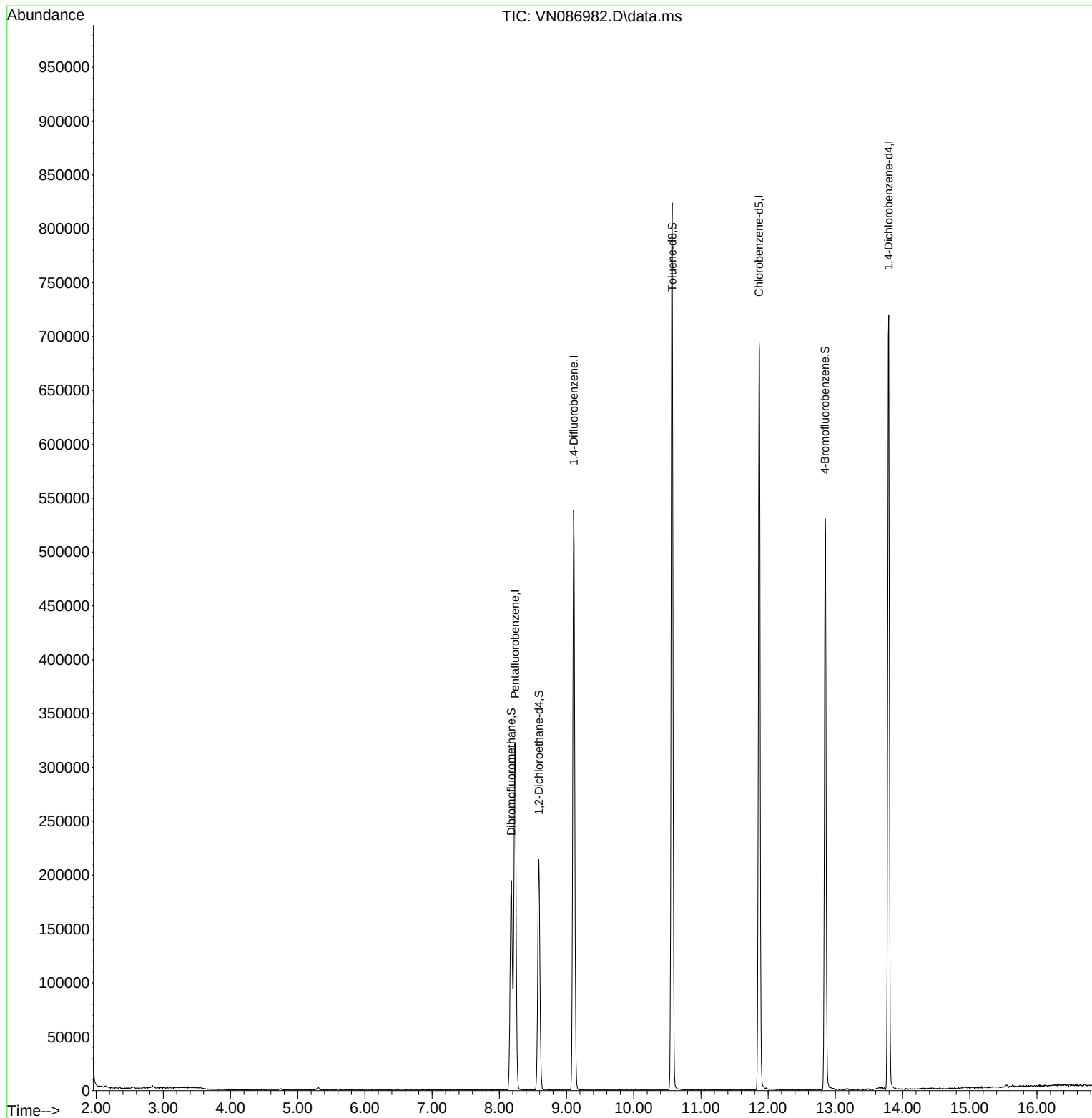
Target Compounds	Qvalue

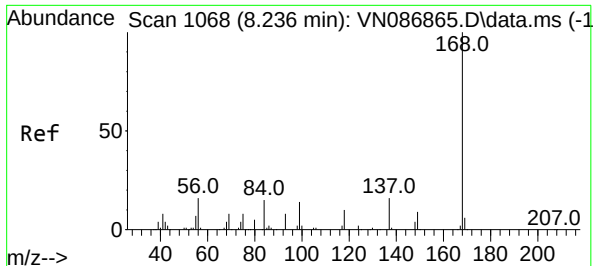
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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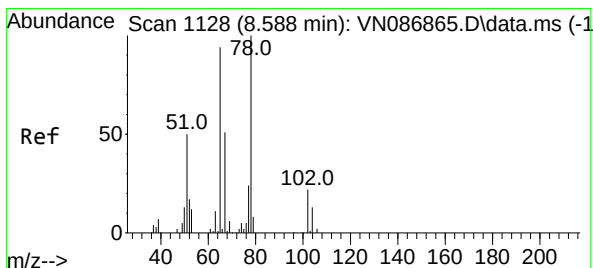
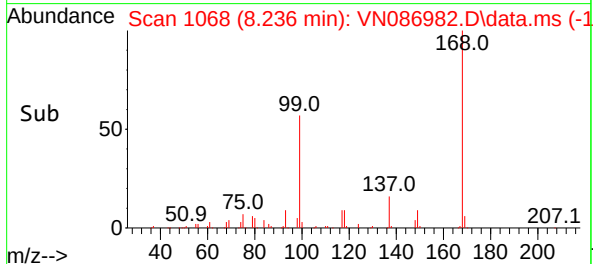
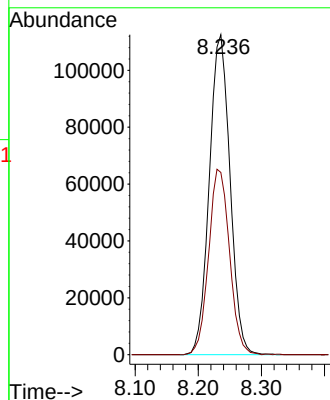
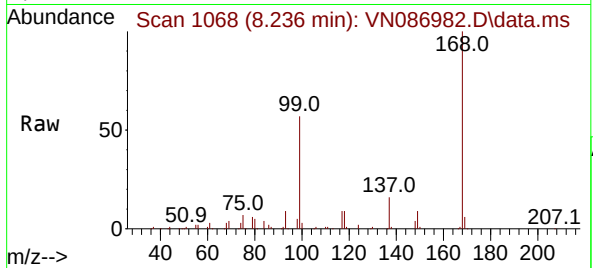




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.236 min Scan# 1068
Delta R.T. -0.000 min
Lab File: VN086982.D
Acq: 12 Jun 2025 17:02

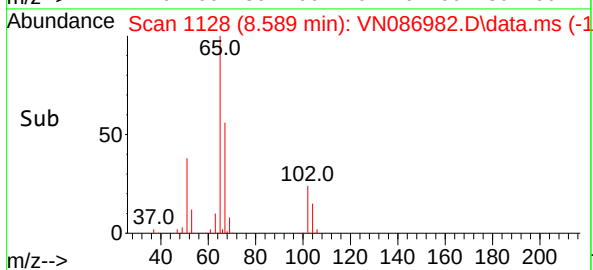
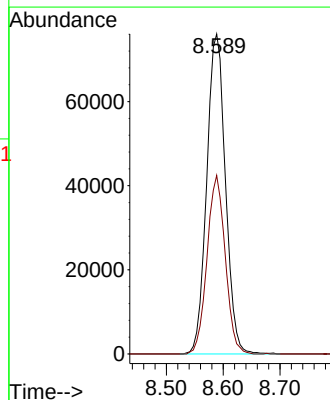
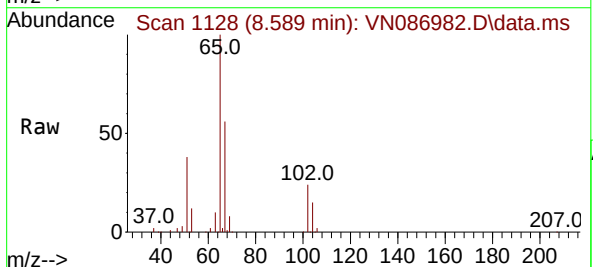
Instrument :
MSVOA_N
ClientSampleId :
IBLK

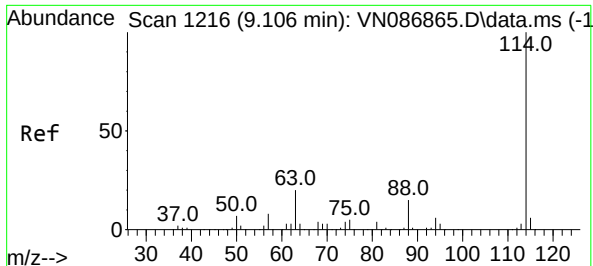
Tgt Ion:168 Resp: 256045
Ion Ratio Lower Upper
168 100
99 56.9 49.1 73.7



#33
1,2-Dichloroethane-d4
Concen: 50.665 ug/l
RT: 8.589 min Scan# 1128
Delta R.T. 0.000 min
Lab File: VN086982.D
Acq: 12 Jun 2025 17:02

Tgt Ion: 65 Resp: 173687
Ion Ratio Lower Upper
65 100
67 54.1 0.0 105.6

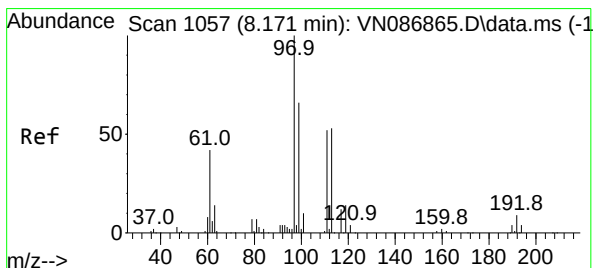
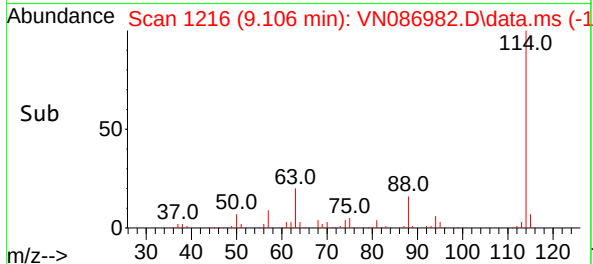
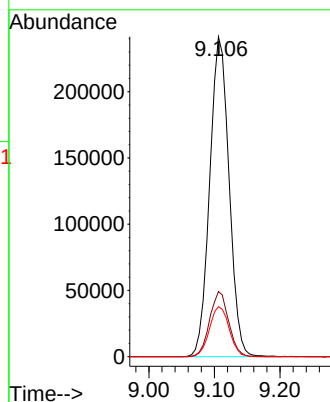
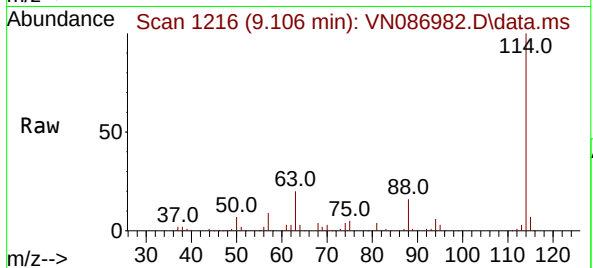




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 9.106 min Scan# 11
Delta R.T. 0.000 min
Lab File: VN086982.D
Acq: 12 Jun 2025 17:02

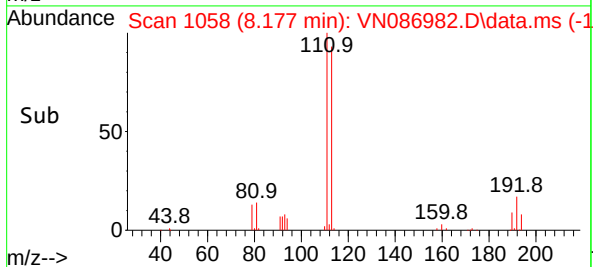
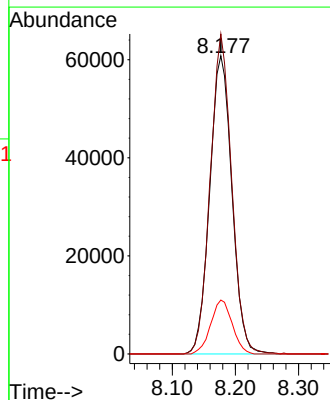
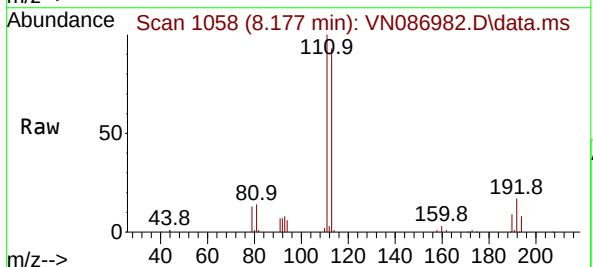
Instrument :
MSVOA_N
ClientSampleId :
IBLK

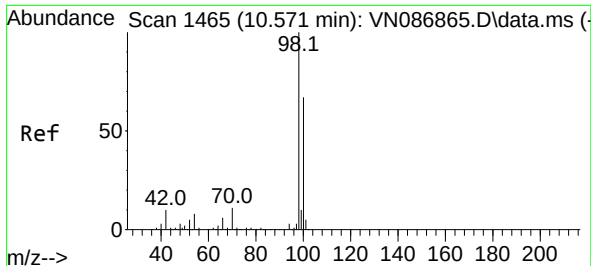
Tgt Ion:114 Resp: 494623
Ion Ratio Lower Upper
114 100
63 20.4 0.0 39.6
88 15.7 0.0 30.2



#35
Dibromofluoromethane
Concen: 50.643 ug/l
RT: 8.177 min Scan# 1058
Delta R.T. 0.006 min
Lab File: VN086982.D
Acq: 12 Jun 2025 17:02

Tgt Ion:113 Resp: 148447
Ion Ratio Lower Upper
113 100
111 103.2 84.2 126.2
192 17.5 14.2 21.4

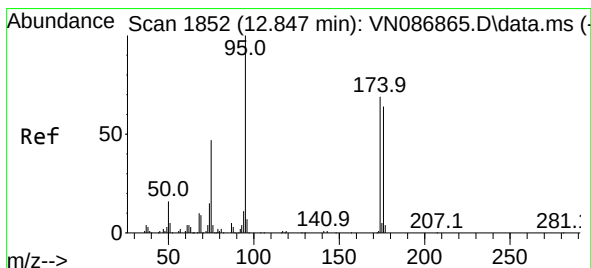
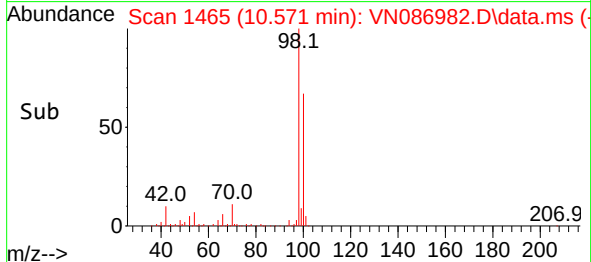
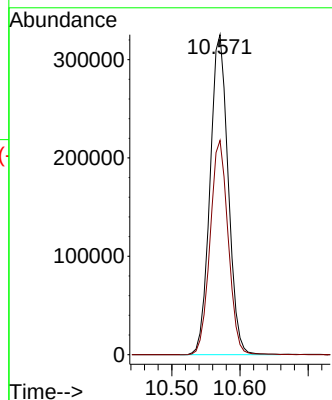
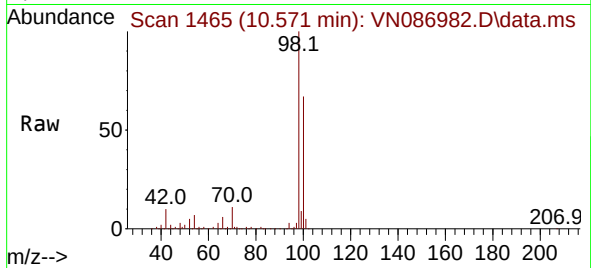




#50
Toluene-d8
Concen: 51.851 ug/l
RT: 10.571 min Scan# 1465
Delta R.T. 0.000 min
Lab File: VN086982.D
Acq: 12 Jun 2025 17:02

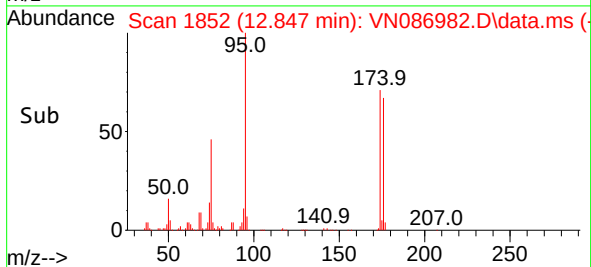
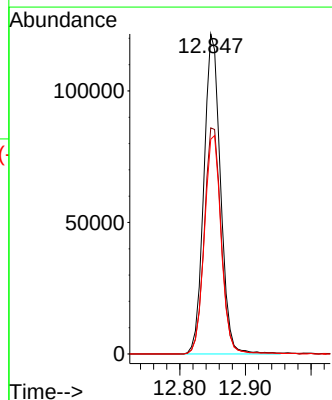
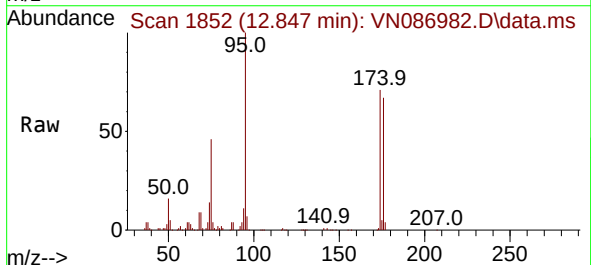
Instrument :
MSVOA_N
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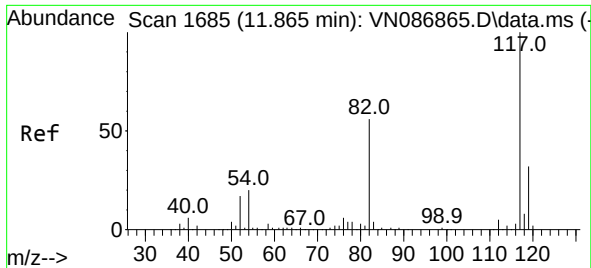
Tgt Ion: 98 Resp: 601678
Ion Ratio Lower Upper
98 100
100 66.7 53.4 80.0



#62
4-Bromofluorobenzene
Concen: 49.736 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. 0.000 min
Lab File: VN086982.D
Acq: 12 Jun 2025 17:02

Tgt Ion: 95 Resp: 214423
Ion Ratio Lower Upper
95 100
174 72.4 0.0 141.8
176 69.4 0.0 132.6

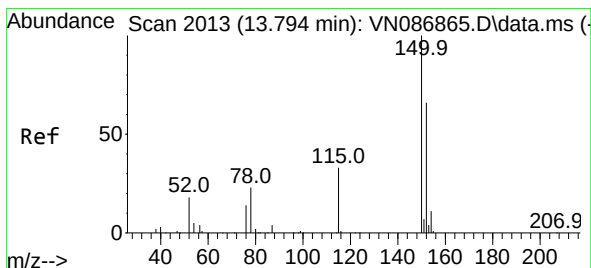
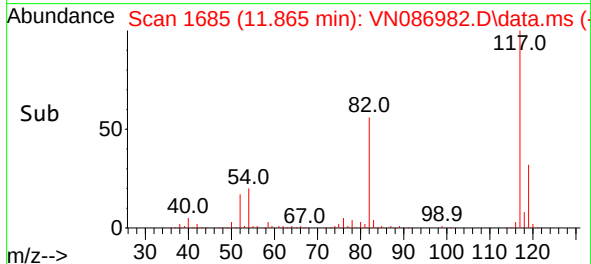
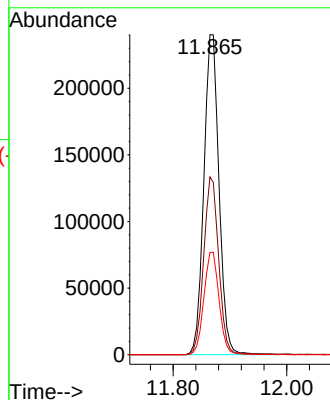
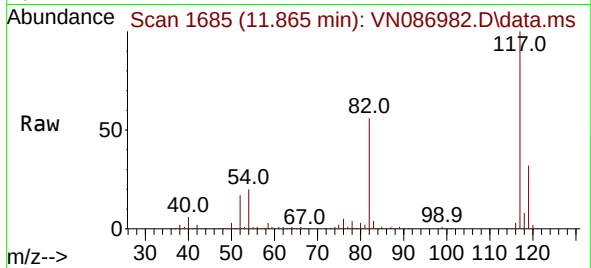




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.865 min Scan# 117
Delta R.T. 0.000 min
Lab File: VN086982.D
Acq: 12 Jun 2025 17:02

Instrument :
MSVOA_N
ClientSampleId :
IBLK

Tgt Ion:117 Resp: 444190
Ion Ratio Lower Upper
117 100
82 55.5 44.6 67.0
119 31.9 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: VN086982.D
Acq: 12 Jun 2025 17:02

Tgt Ion:152 Resp: 212692
Ion Ratio Lower Upper
152 100
115 60.3 30.1 90.5
150 158.2 0.0 345.0

