

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN062025\
 Data File : VN087145.D
 Acq On : 20 Jun 2025 17:13
 Operator : JC\MD
 Sample : IBLK
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 25 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 IBLK

Quant Time: Jun 20 23:10:14 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	190611	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.106	114	373296	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	319742	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.788	152	126893	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.582	65	127399	49.920	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	=	99.840%
35) Dibromofluoromethane	8.171	113	105803	47.826	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	95.660%
50) Toluene-d8	10.565	98	493623	56.365	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	=	112.720%
62) 4-Bromofluorobenzene	12.847	95	129391	39.767	ug/l	0.00
Spiked Amount	50.000	Range	77 - 121	Recovery	=	79.540%

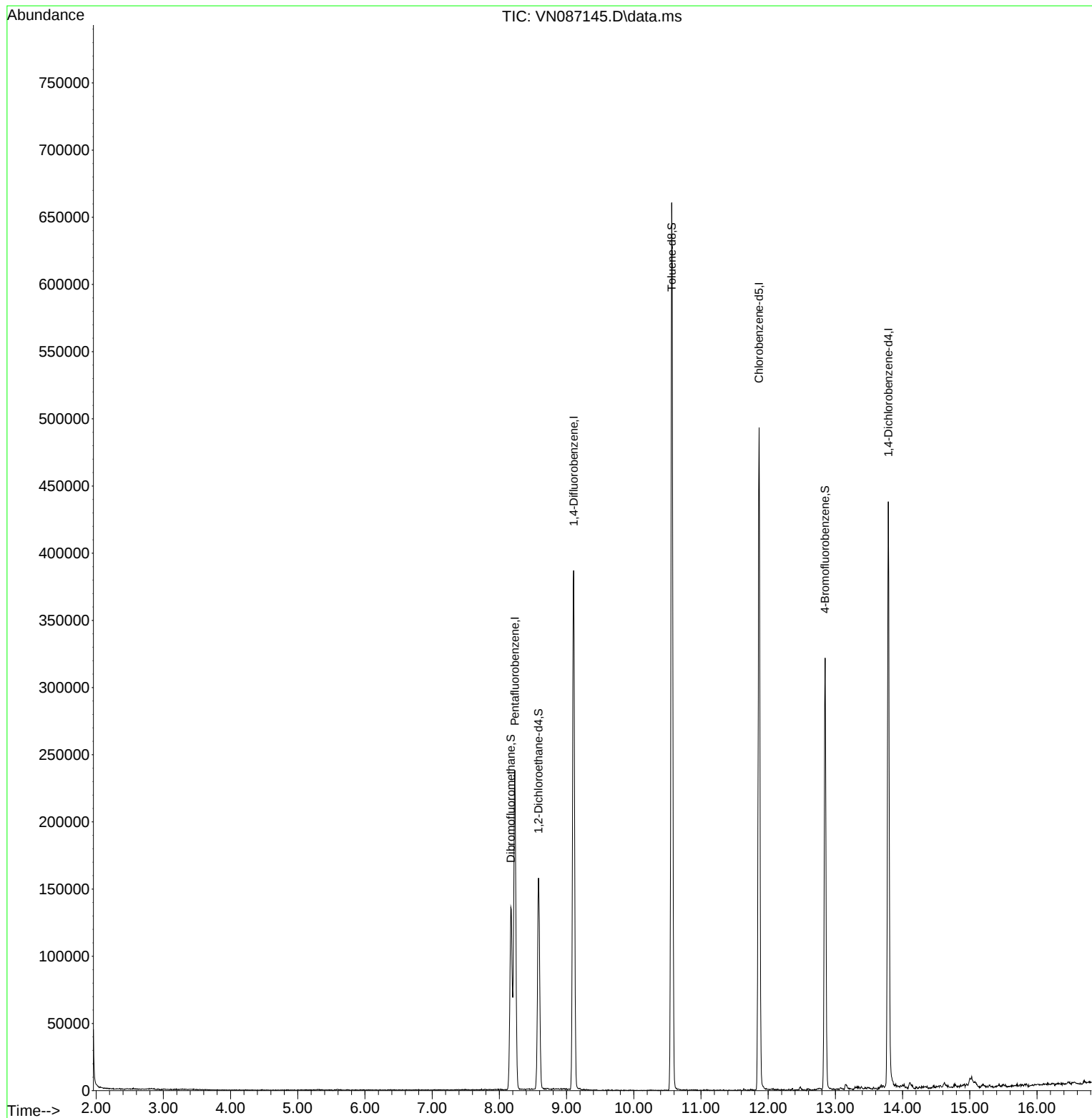
Target Compounds	Qvalue

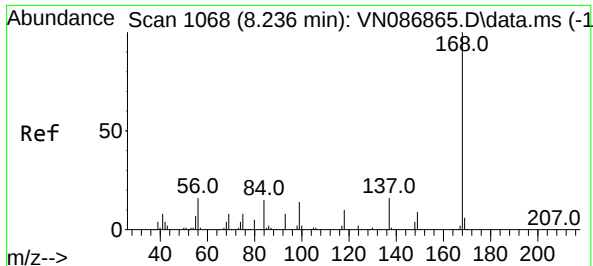
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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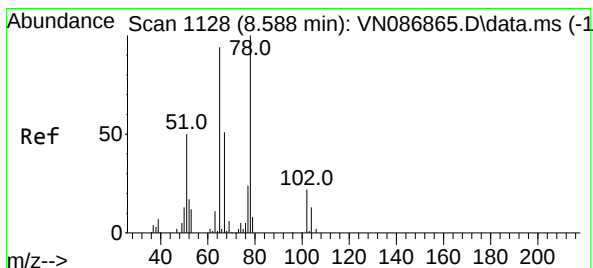
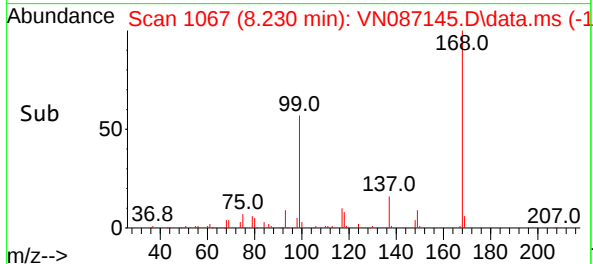
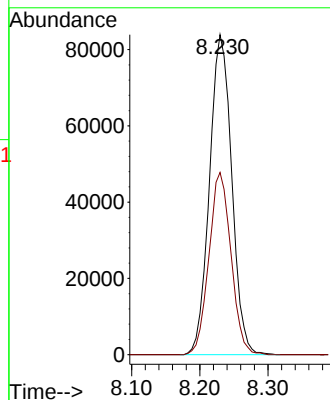
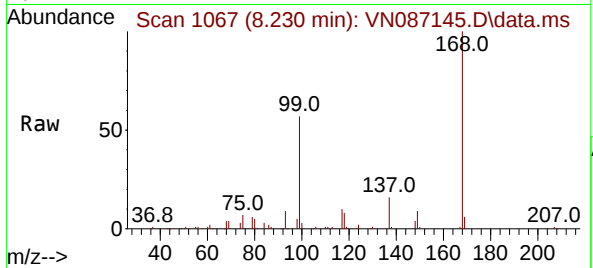




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.230 min Scan# 1106
Delta R.T. -0.006 min
Lab File: VN087145.D
Acq: 20 Jun 2025 17:13

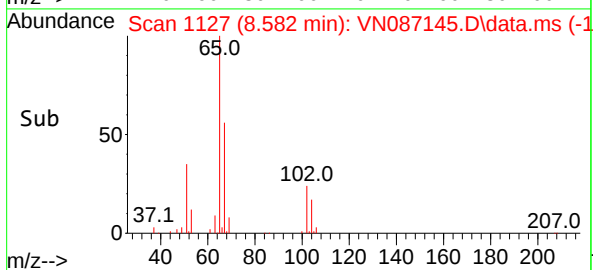
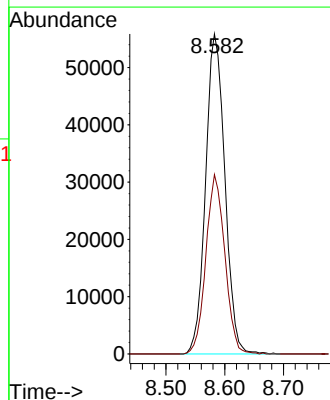
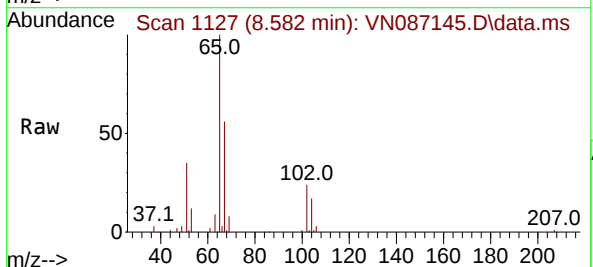
Instrument :
MSVOA_N
ClientSampleId :
IBLK

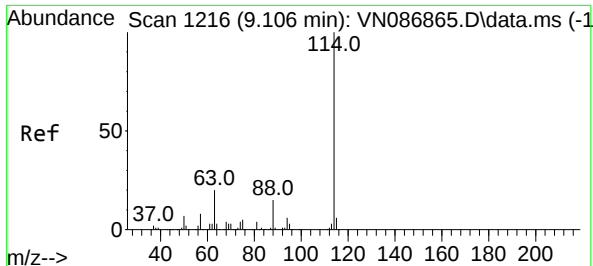
Tgt Ion:168 Resp: 190611
Ion Ratio Lower Upper
168 100
99 57.0 49.1 73.7



#33
1,2-Dichloroethane-d4
Concen: 49.920 ug/l
RT: 8.582 min Scan# 1127
Delta R.T. -0.006 min
Lab File: VN087145.D
Acq: 20 Jun 2025 17:13

Tgt Ion: 65 Resp: 127399
Ion Ratio Lower Upper
65 100
67 55.2 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: VN087145.D

Acq: 20 Jun 2025 17:13

Instrument :

MSVOA_N

ClientSampleId :

IBLK

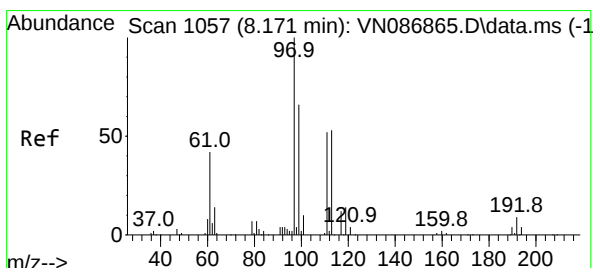
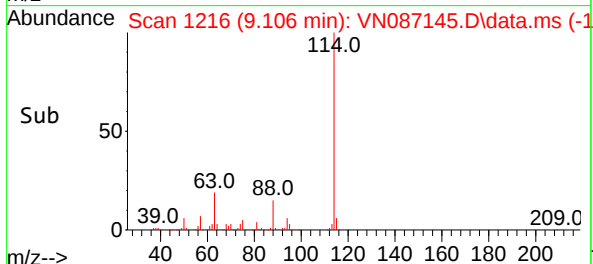
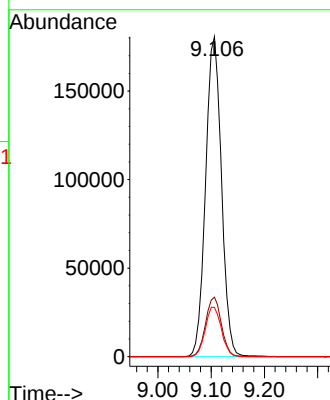
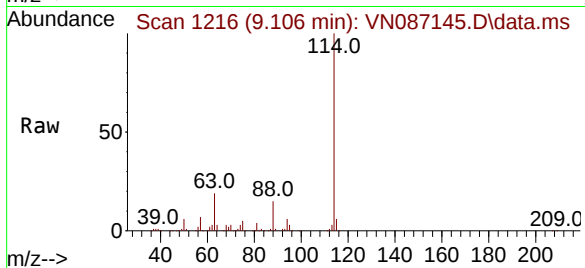
Tgt Ion:114 Resp: 373296

Ion Ratio Lower Upper

114 100

63 18.6 0.0 39.6

88 15.4 0.0 30.2



#35

Dibromofluoromethane

Concen: 47.826 ug/l

RT: 8.171 min Scan# 1057

Delta R.T. -0.000 min

Lab File: VN087145.D

Acq: 20 Jun 2025 17:13

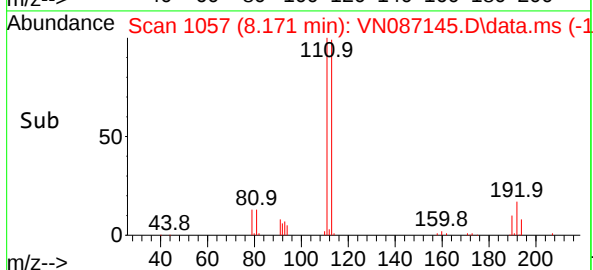
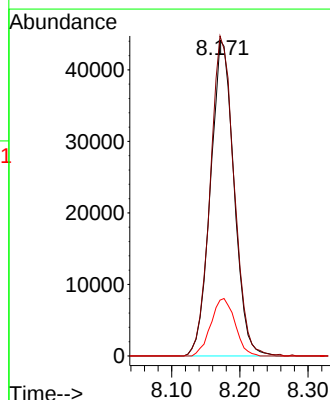
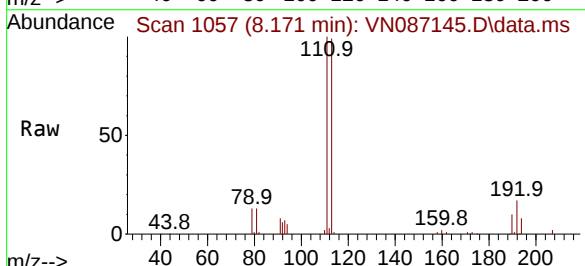
Tgt Ion:113 Resp: 105803

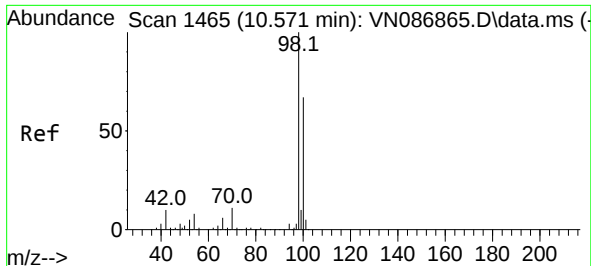
Ion Ratio Lower Upper

113 100

111 102.9 84.2 126.2

192 18.7 14.2 21.4





#50

Toluene-d8

Concen: 56.365 ug/l

RT: 10.565 min Scan# 1464

Delta R.T. -0.006 min

Lab File: VN087145.D

Acq: 20 Jun 2025 17:13

Instrument :

MSVOA_N

ClientSampleId :

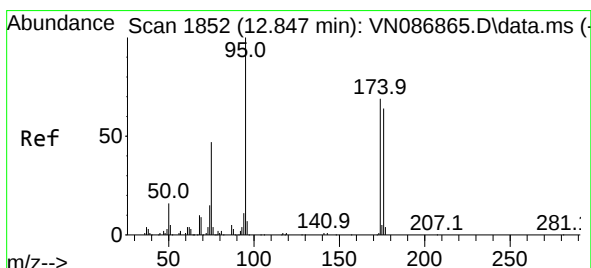
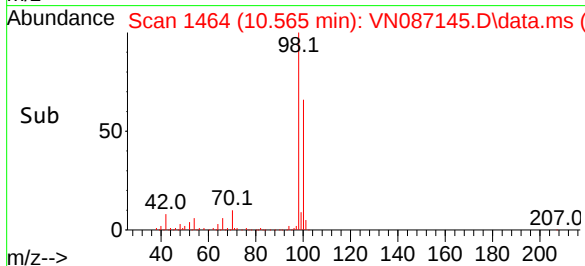
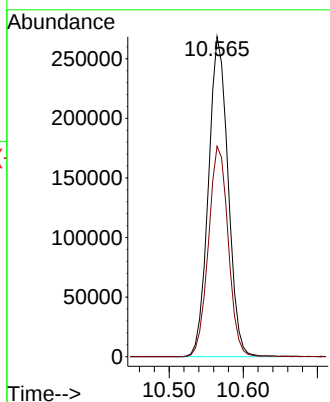
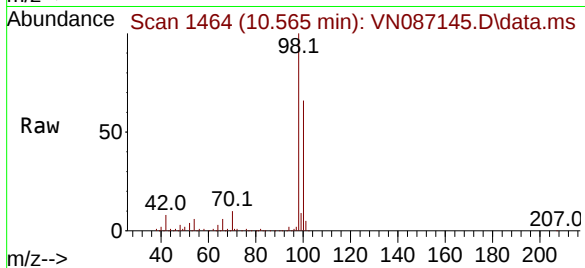
IBLK

Tgt Ion: 98 Resp: 493623

Ion Ratio Lower Upper

98 100

100 66.4 53.4 80.0



#62

4-Bromofluorobenzene

Concen: 39.767 ug/l

RT: 12.847 min Scan# 1852

Delta R.T. -0.000 min

Lab File: VN087145.D

Acq: 20 Jun 2025 17:13

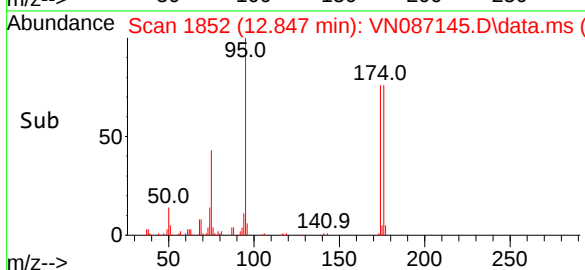
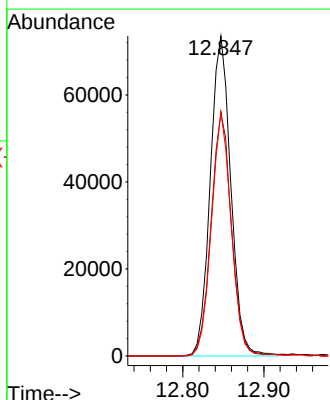
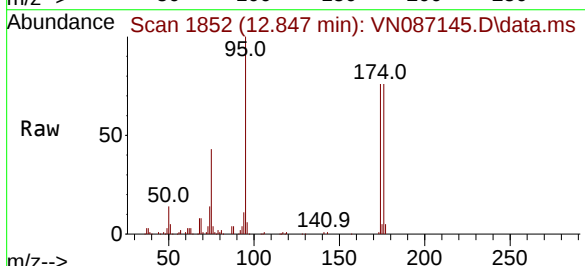
Tgt Ion: 95 Resp: 129391

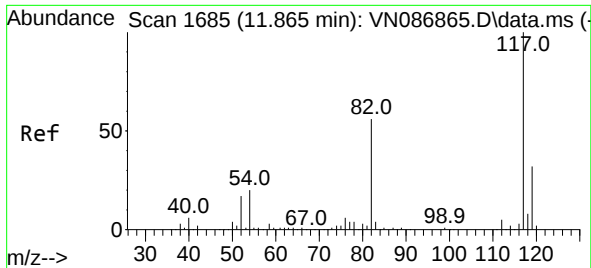
Ion Ratio Lower Upper

95 100

174 75.1 0.0 141.8

176 73.3 0.0 132.6

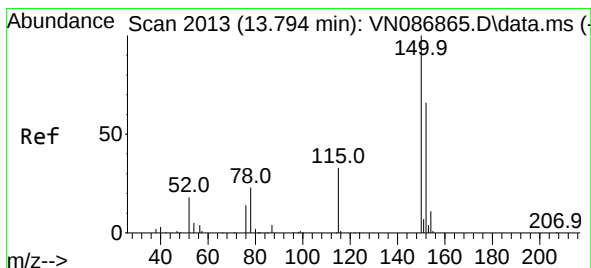
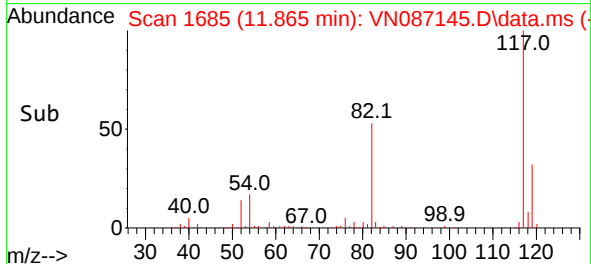
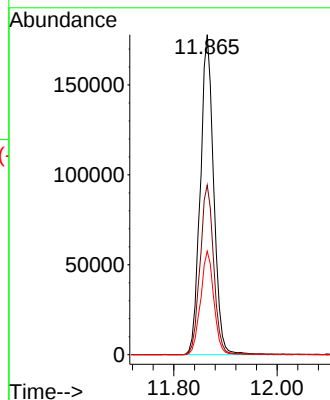
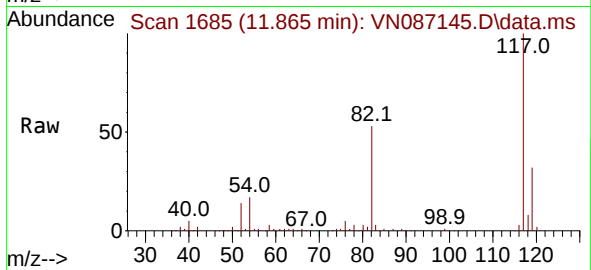




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.865 min Scan# 11
Delta R.T. -0.000 min
Lab File: VN087145.D
Acq: 20 Jun 2025 17:13

Instrument :
MSVOA_N
ClientSampleId :
IBLK

Tgt Ion:117 Resp: 319742
Ion Ratio Lower Upper
117 100
82 53.0 44.6 67.0
119 32.3 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: VN087145.D
Acq: 20 Jun 2025 17:13

Tgt Ion:152 Resp: 126893
Ion Ratio Lower Upper
152 100
115 60.8 30.1 90.5
150 157.7 0.0 345.0

