

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN062025\
 Data File : VN087135.D
 Acq On : 20 Jun 2025 13:46
 Operator : JC\MD
 Sample : IBLK
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 IBLK

Quant Time: Jun 20 23:05:28 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	181011	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.106	114	378050	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	361660	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.788	152	172994	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.582	65	130466	53.833	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	=	107.660%
35) Dibromofluoromethane	8.177	113	112093	50.032	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	100.060%
50) Toluene-d8	10.565	98	495833	55.905	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	=	111.820%
62) 4-Bromofluorobenzene	12.847	95	172771	52.432	ug/l	0.00
Spiked Amount	50.000	Range	77 - 121	Recovery	=	104.860%

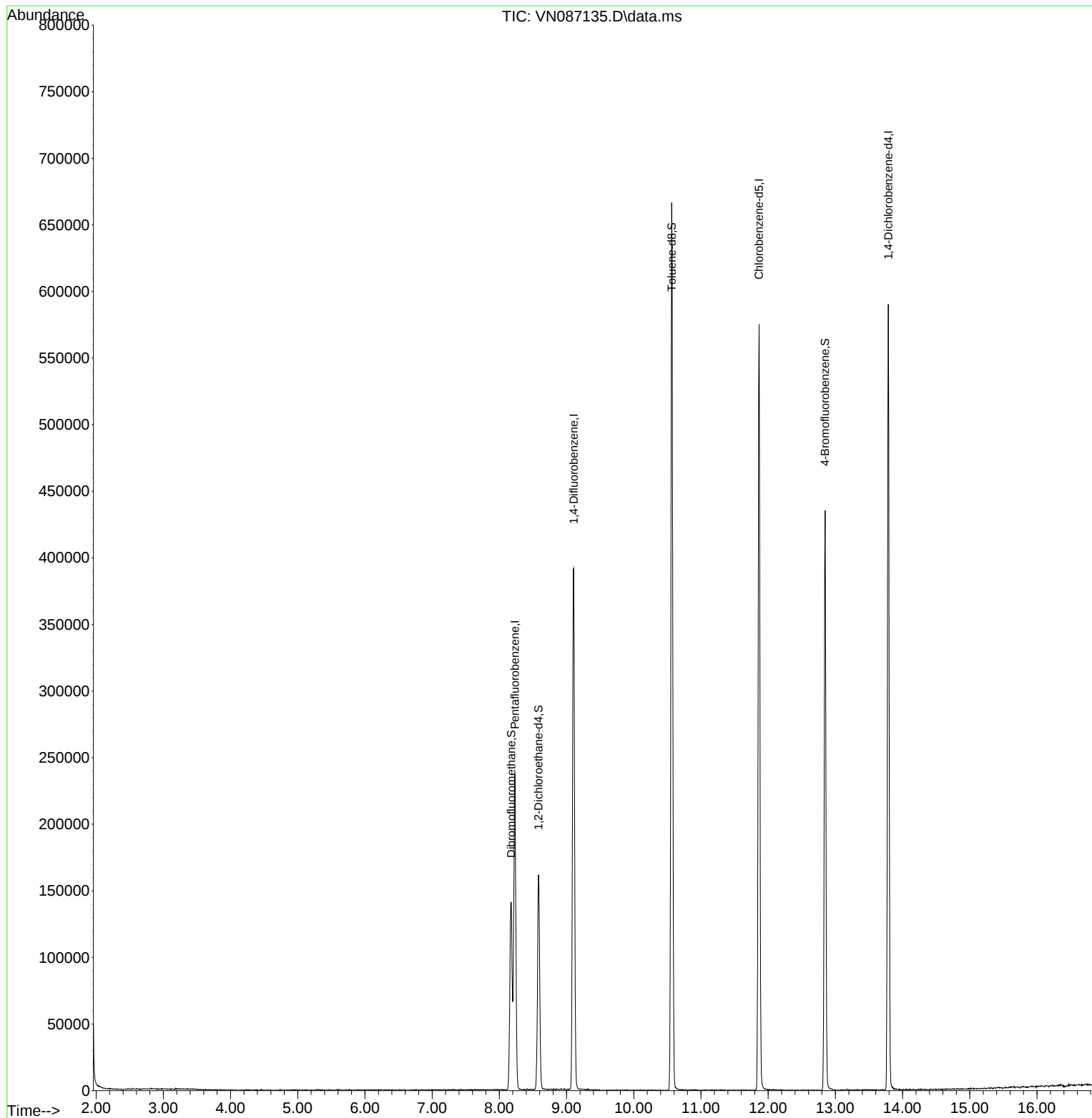
Target Compounds	Qvalue

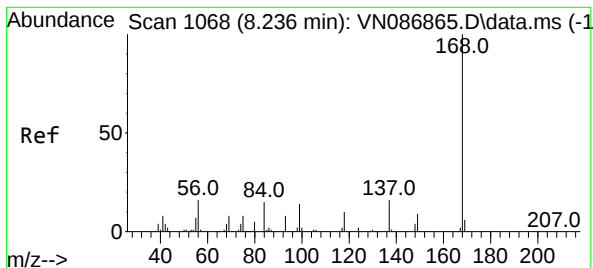
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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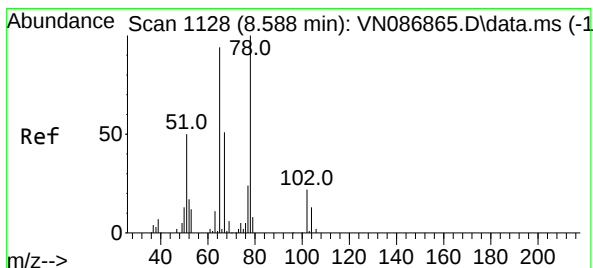
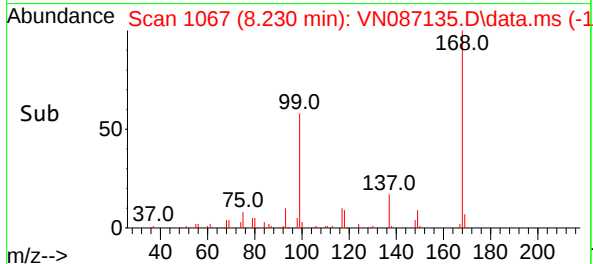
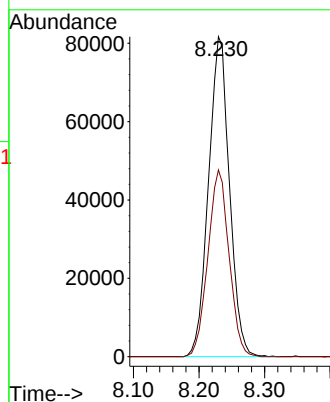
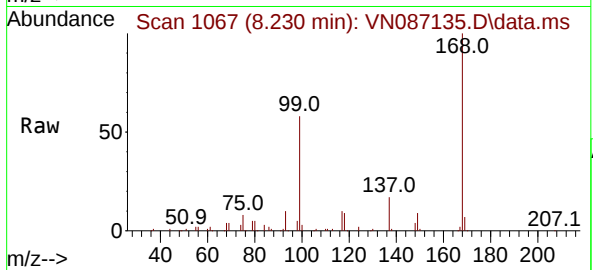




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.230 min Scan# 1107
Delta R.T. -0.006 min
Lab File: VN087135.D
Acq: 20 Jun 2025 13:46

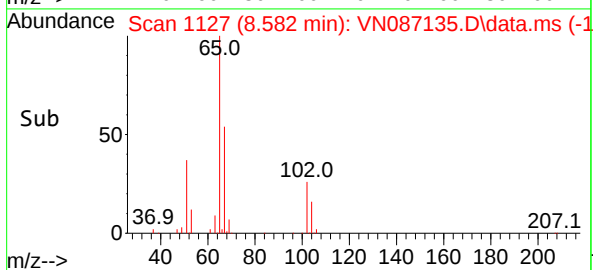
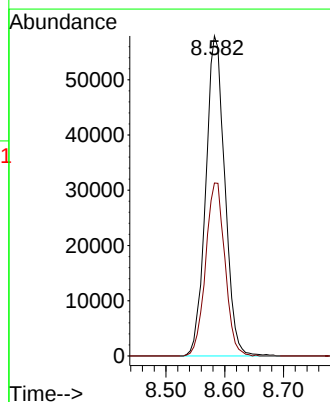
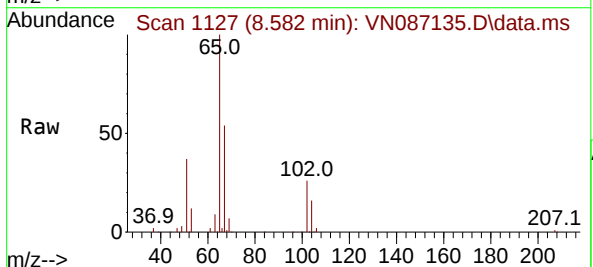
Instrument :
MSVOA_N
ClientSampleId :
IBLK

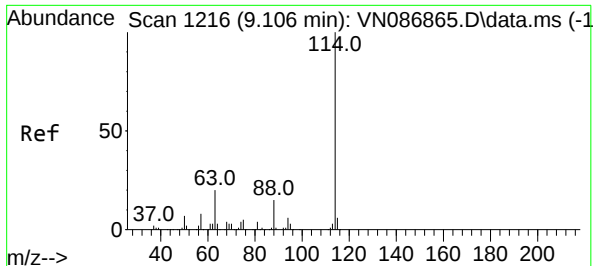
Tgt Ion:168 Resp: 181011
Ion Ratio Lower Upper
168 100
99 58.4 49.1 73.7



#33
1,2-Dichloroethane-d4
Concen: 53.833 ug/l
RT: 8.582 min Scan# 1127
Delta R.T. -0.006 min
Lab File: VN087135.D
Acq: 20 Jun 2025 13:46

Tgt Ion: 65 Resp: 130466
Ion Ratio Lower Upper
65 100
67 54.7 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: VN087135.D

Acq: 20 Jun 2025 13:46

Instrument :

MSVOA_N

ClientSampleId :

IBLK

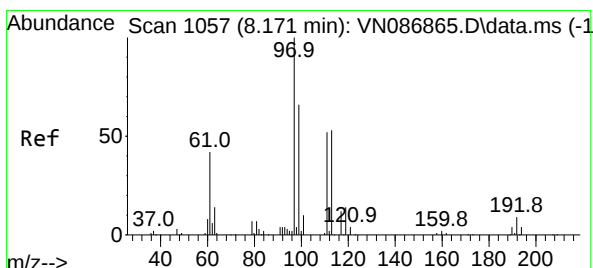
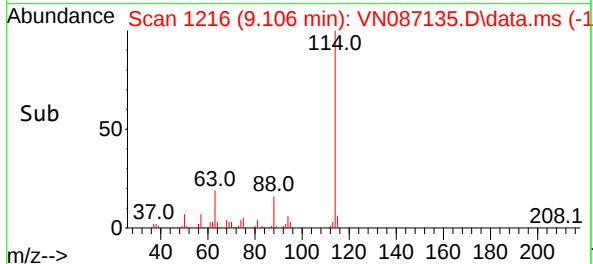
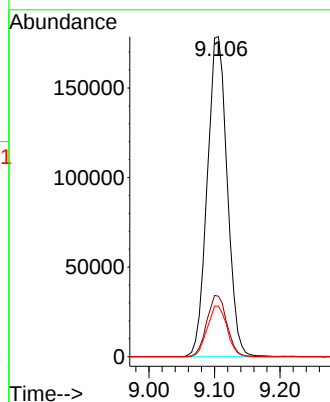
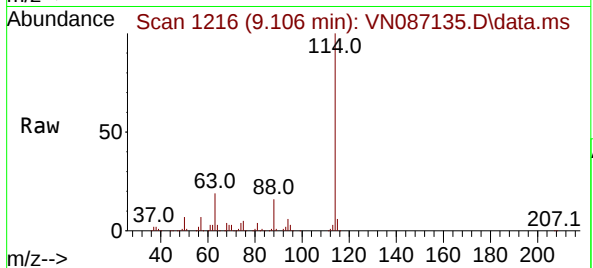
Tgt Ion:114 Resp: 378050

Ion Ratio Lower Upper

114 100

63 18.9 0.0 39.6

88 15.8 0.0 30.2



#35

Dibromofluoromethane

Concen: 50.032 ug/l

RT: 8.177 min Scan# 1058

Delta R.T. 0.006 min

Lab File: VN087135.D

Acq: 20 Jun 2025 13:46

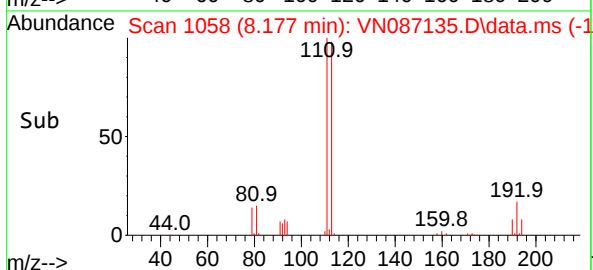
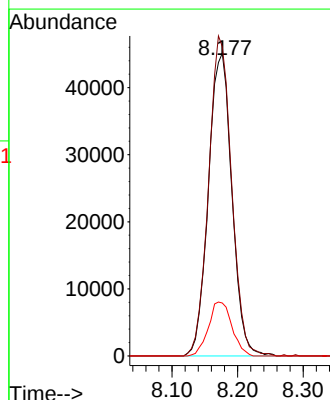
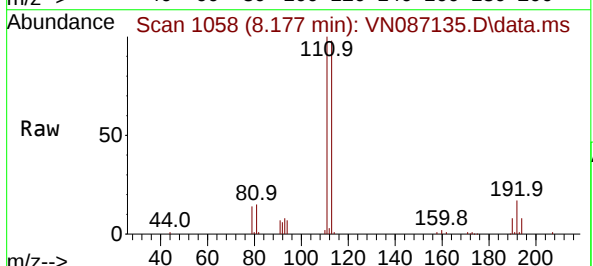
Tgt Ion:113 Resp: 112093

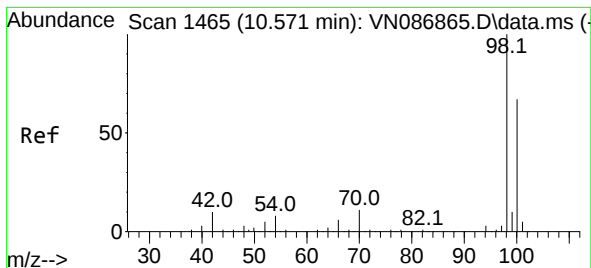
Ion Ratio Lower Upper

113 100

111 103.6 84.2 126.2

192 17.9 14.2 21.4





#50

Toluene-d8

Concen: 55.905 ug/l

RT: 10.565 min Scan# 1464

Delta R.T. -0.006 min

Lab File: VN087135.D

Acq: 20 Jun 2025 13:46

Instrument :

MSVOA_N

ClientSampleId :

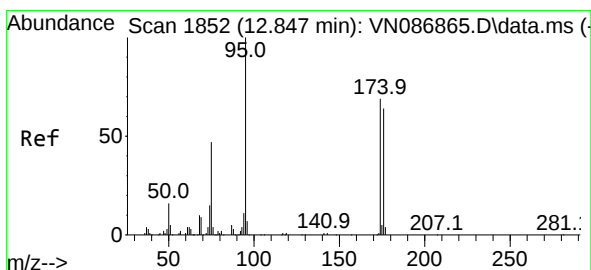
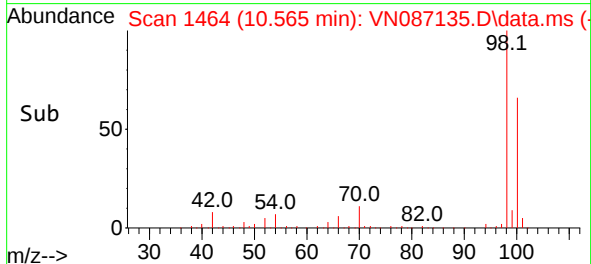
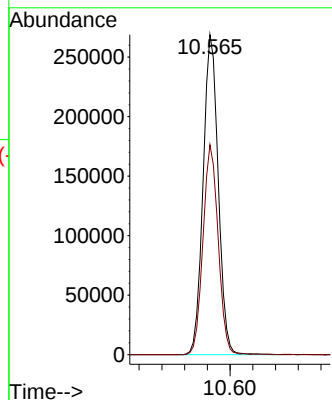
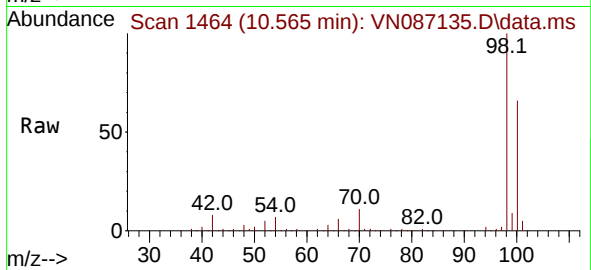
IBLK

Tgt Ion: 98 Resp: 495833

Ion Ratio Lower Upper

98 100

100 65.7 53.4 80.0



#62

4-Bromofluorobenzene

Concen: 52.432 ug/l

RT: 12.847 min Scan# 1852

Delta R.T. -0.000 min

Lab File: VN087135.D

Acq: 20 Jun 2025 13:46

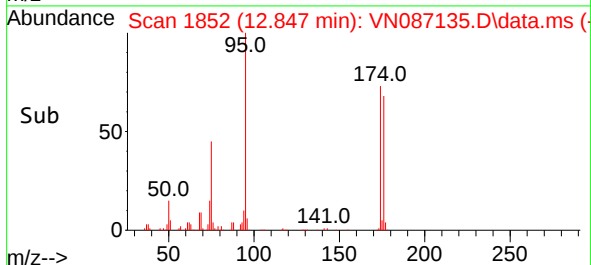
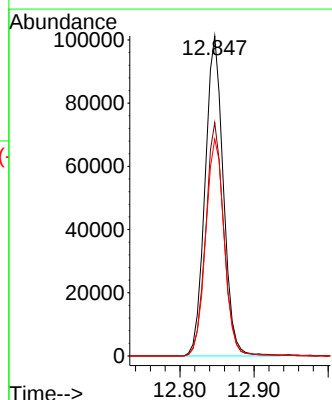
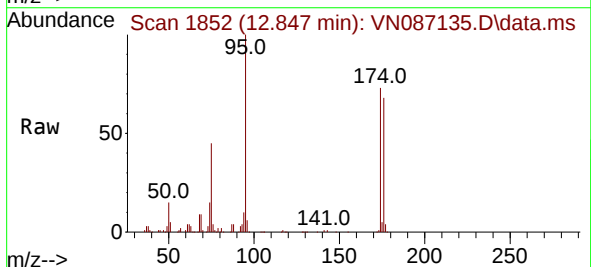
Tgt Ion: 95 Resp: 172771

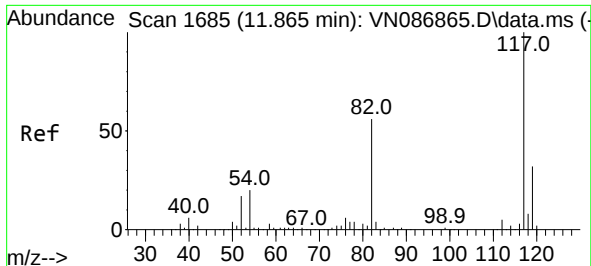
Ion Ratio Lower Upper

95 100

174 72.5 0.0 141.8

176 69.5 0.0 132.6

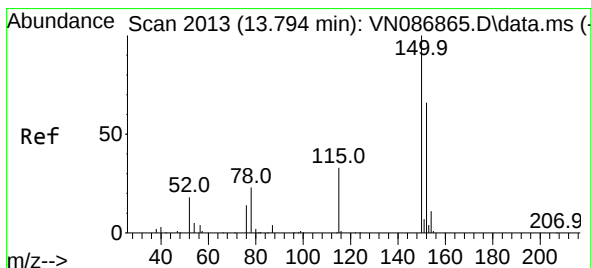
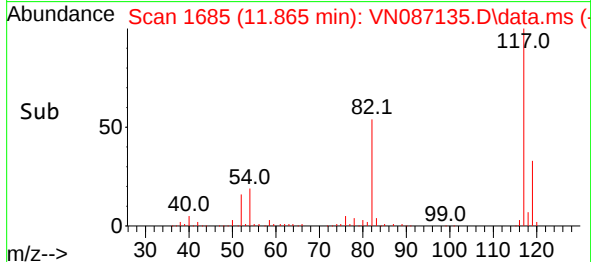
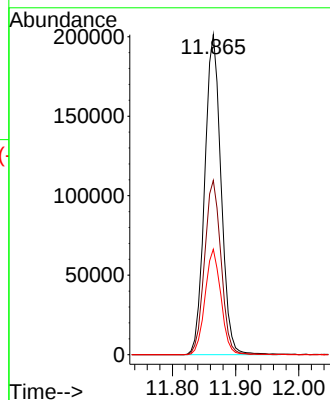
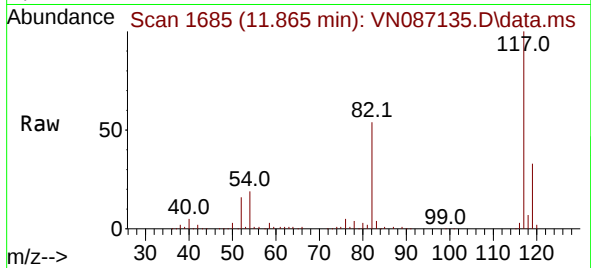




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.865 min Scan# 11
Delta R.T. -0.000 min
Lab File: VN087135.D
Acq: 20 Jun 2025 13:46

Instrument :
MSVOA_N
ClientSampleId :
IBLK

Tgt Ion:117 Resp: 361660
Ion Ratio Lower Upper
117 100
82 54.4 44.6 67.0
119 33.0 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: VN087135.D
Acq: 20 Jun 2025 13:46

Tgt Ion:152 Resp: 172994
Ion Ratio Lower Upper
152 100
115 60.0 30.1 90.5
150 156.8 0.0 345.0

