

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN052825\
 Data File : VN086796.D
 Acq On : 28 May 2025 13:47
 Operator : JC\MD
 Sample : IBLK
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 IBLK

Quant Time: May 29 03:58:56 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N051625W.M
 Quant Title : SW846 8260
 QLast Update : Sat May 17 00:46:13 2025
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) Pentafluorobenzene	8.224	168	186393	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.100	114	357118	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	350940	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.788	152	144601	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.577	65	124807	48.457	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	=	96.920%
35) Dibromofluoromethane	8.165	113	102511	48.200	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	96.400%
50) Toluene-d8	10.565	98	462740	52.503	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	=	105.000%
62) 4-Bromofluorobenzene	12.847	95	166991	53.660	ug/l	0.00
Spiked Amount	50.000	Range	77 - 121	Recovery	=	107.320%

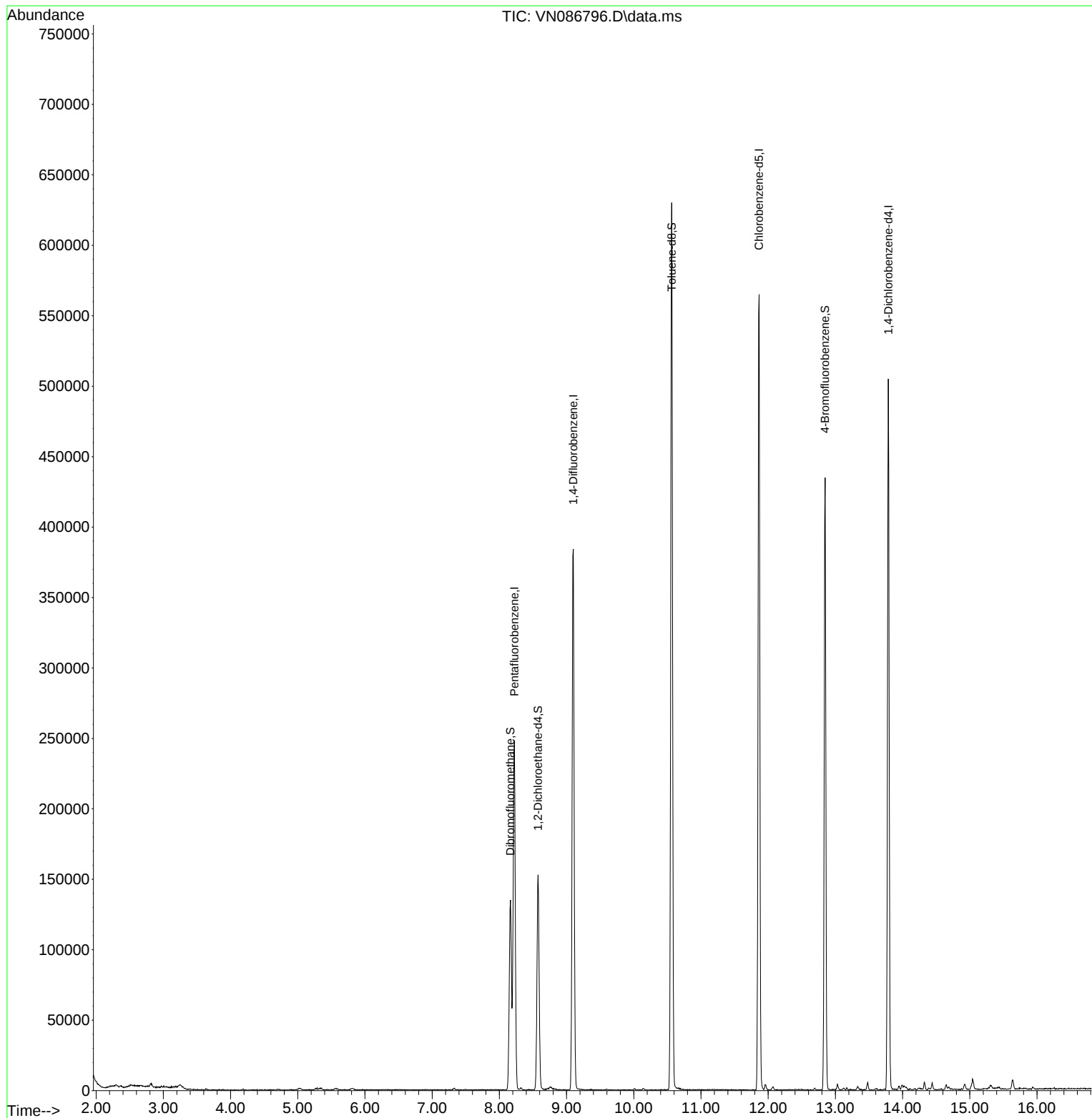
Target Compounds	Qvalue

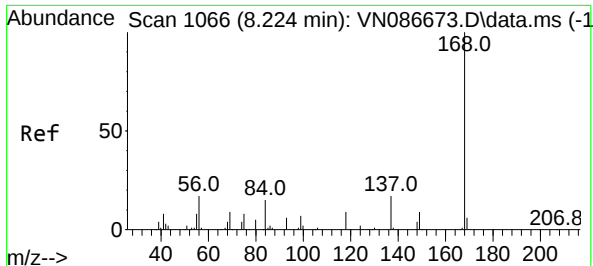
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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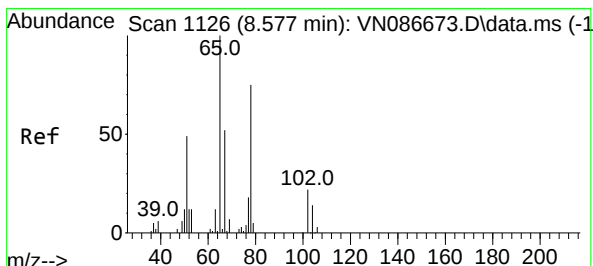
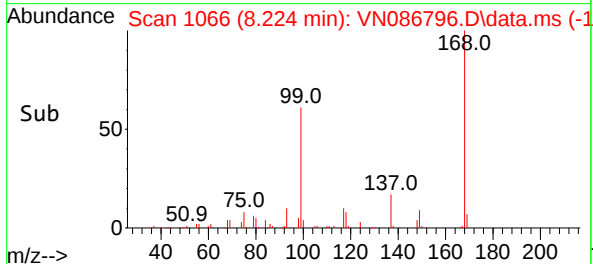
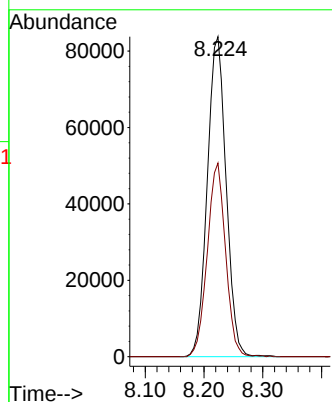
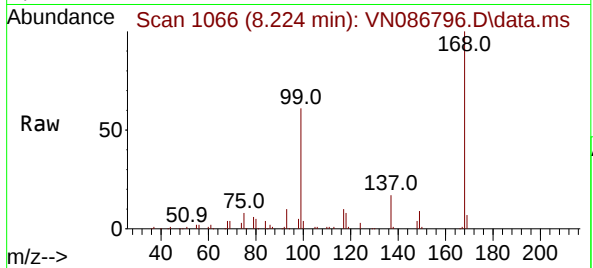




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.224 min Scan# 1066
Delta R.T. -0.000 min
Lab File: VN086796.D
Acq: 28 May 2025 13:47

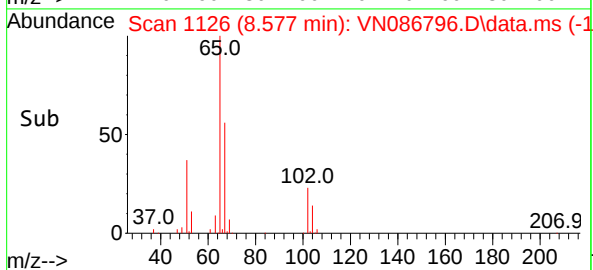
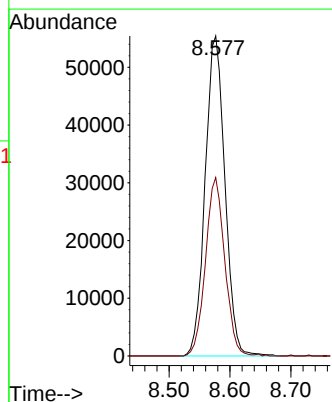
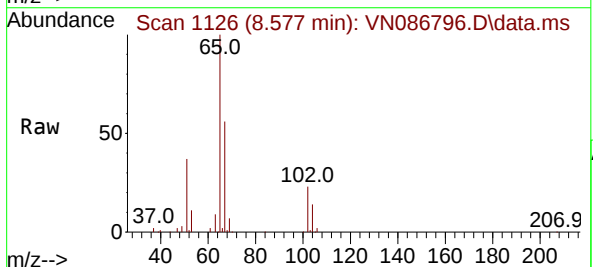
Instrument :
MSVOA_N
ClientSampleId :
IBLK

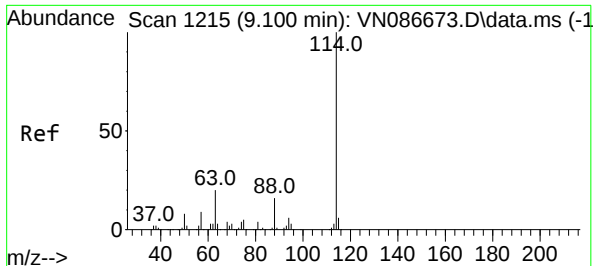
Tgt Ion:168 Resp: 186393
Ion Ratio Lower Upper
168 100
99 60.5 47.0 70.4



#33
1,2-Dichloroethane-d4
Concen: 48.457 ug/l
RT: 8.577 min Scan# 1126
Delta R.T. -0.000 min
Lab File: VN086796.D
Acq: 28 May 2025 13:47

Tgt Ion: 65 Resp: 124807
Ion Ratio Lower Upper
65 100
67 54.4 0.0 106.4





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 9.100 min Scan# 1

Delta R.T. -0.000 min

Lab File: VN086796.D

Acq: 28 May 2025 13:47

Instrument :

MSVOA_N

ClientSampleId :

IBLK

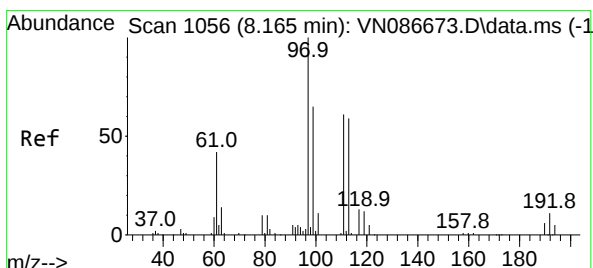
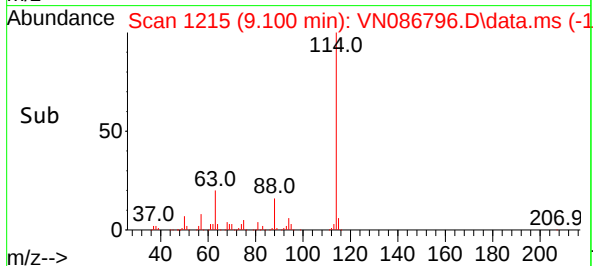
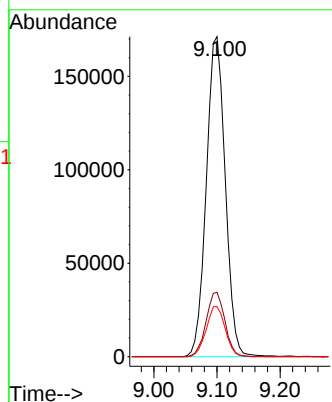
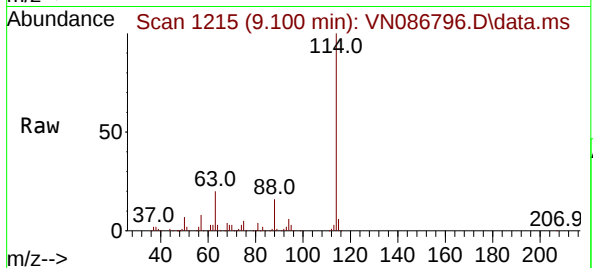
Tgt Ion:114 Resp: 357118

Ion Ratio Lower Upper

114 100

63 20.1 0.0 40.2

88 15.6 0.0 31.2



#35

Dibromofluoromethane

Concen: 48.200 ug/l

RT: 8.165 min Scan# 1056

Delta R.T. -0.000 min

Lab File: VN086796.D

Acq: 28 May 2025 13:47

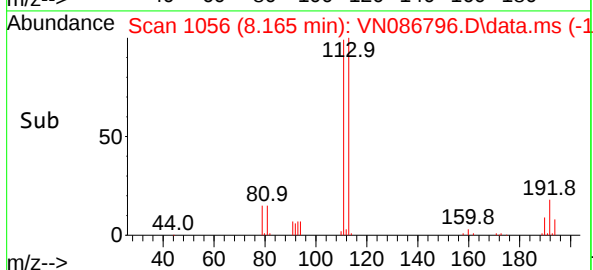
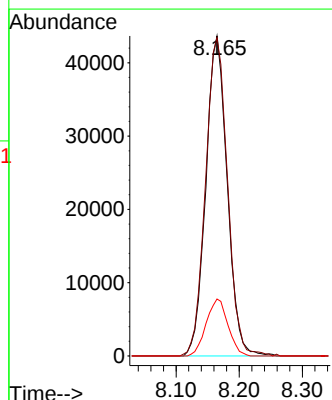
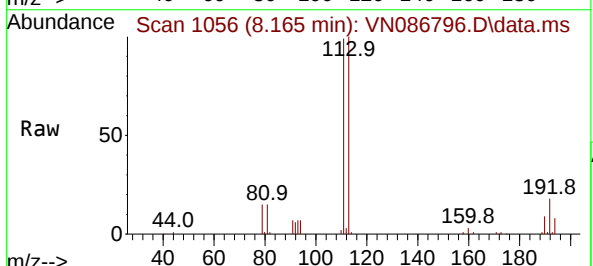
Tgt Ion:113 Resp: 102511

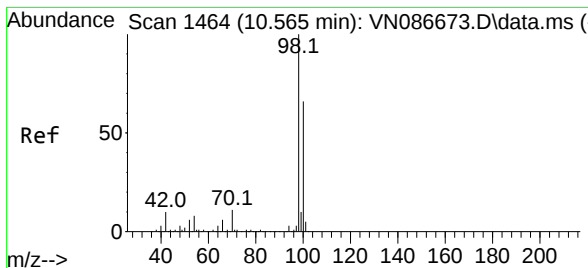
Ion Ratio Lower Upper

113 100

111 102.6 82.2 123.2

192 18.1 13.8 20.8

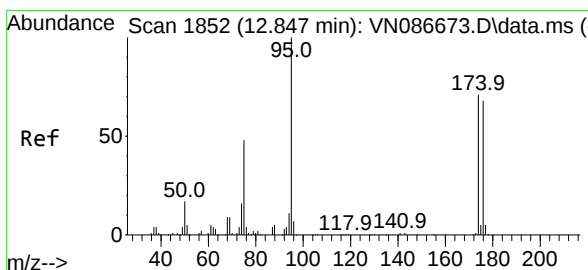
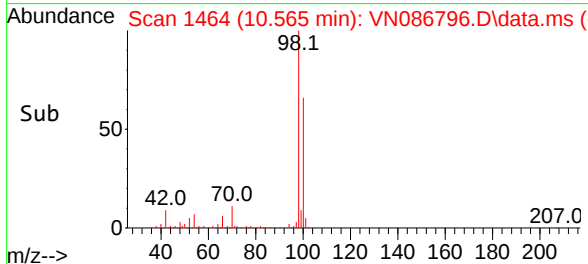
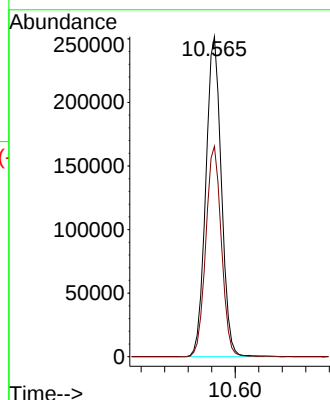
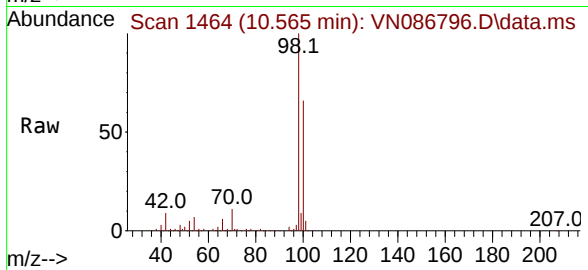




#50
Toluene-d8
Concen: 52.503 ug/l
RT: 10.565 min Scan# 1464
Delta R.T. -0.000 min
Lab File: VN086796.D
Acq: 28 May 2025 13:47

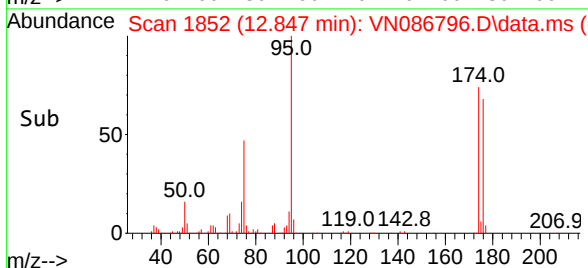
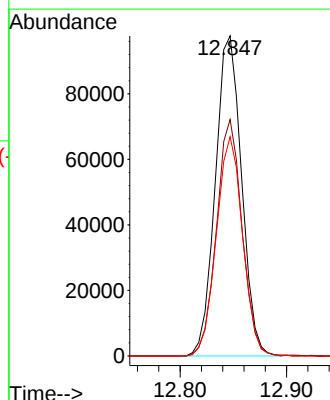
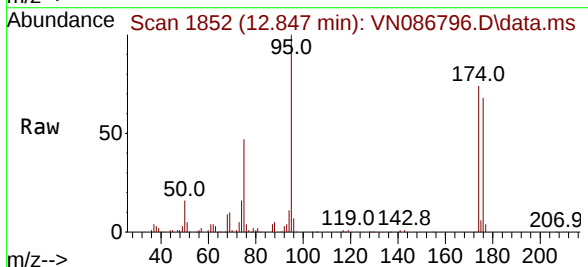
Instrument :
MSVOA_N
ClientSampleId :
IBLK

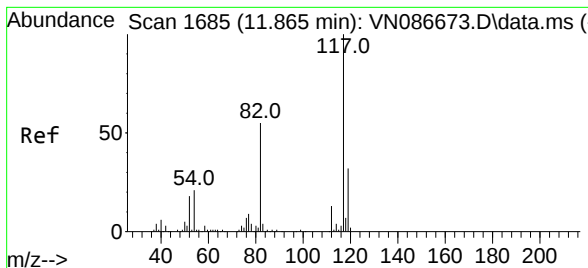
Tgt Ion: 98 Resp: 462740
Ion Ratio Lower Upper
98 100
100 65.8 52.9 79.3



#62
4-Bromofluorobenzene
Concen: 53.660 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. -0.000 min
Lab File: VN086796.D
Acq: 28 May 2025 13:47

Tgt Ion: 95 Resp: 166991
Ion Ratio Lower Upper
95 100
174 72.1 0.0 145.4
176 68.3 0.0 137.8





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.865 min Scan# 1

Delta R.T. -0.000 min

Lab File: VN086796.D

Acq: 28 May 2025 13:47

Instrument :

MSVOA_N

ClientSampleId :

IBLK

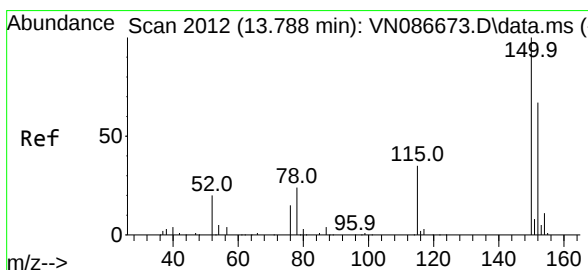
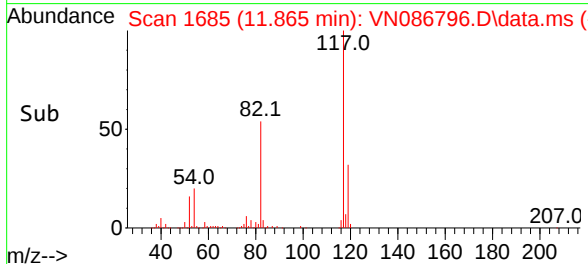
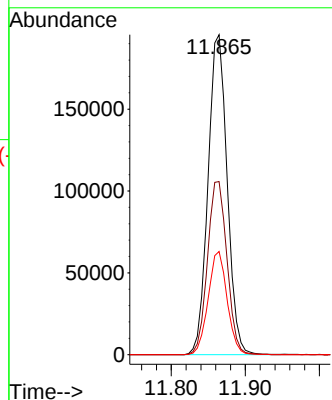
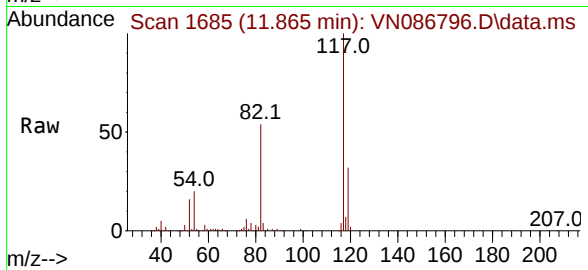
Tgt Ion:117 Resp: 350940

Ion Ratio Lower Upper

117 100

82 54.1 44.2 66.2

119 32.2 25.4 38.2



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.788 min Scan# 2012

Delta R.T. -0.000 min

Lab File: VN086796.D

Acq: 28 May 2025 13:47

Tgt Ion:152 Resp: 144601

Ion Ratio Lower Upper

152 100

115 59.7 30.0 90.1

150 158.8 0.0 347.8

