

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN120425\
 Data File : VN088442.D
 Acq On : 04 Dec 2025 13:52
 Operator : JC\MD
 Sample : IBLK
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 IBLK

Quant Time: Dec 05 00:14:25 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N112425W.M
 Quant Title : SW846 8260
 QLast Update : Tue Nov 25 01:34:52 2025
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	8.206	168	181583	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.083	114	433582	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.841	117	457503	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.771	152	219269	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.559	65	225570	65.943	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	=	131.880%#
35) Dibromofluoromethane	8.147	113	158522	52.758	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	105.520%
50) Toluene-d8	10.541	98	596611	53.365	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	=	106.720%
62) 4-Bromofluorobenzene	12.823	95	245965	64.120	ug/l	0.00
Spiked Amount	50.000	Range	77 - 121	Recovery	=	128.240%#

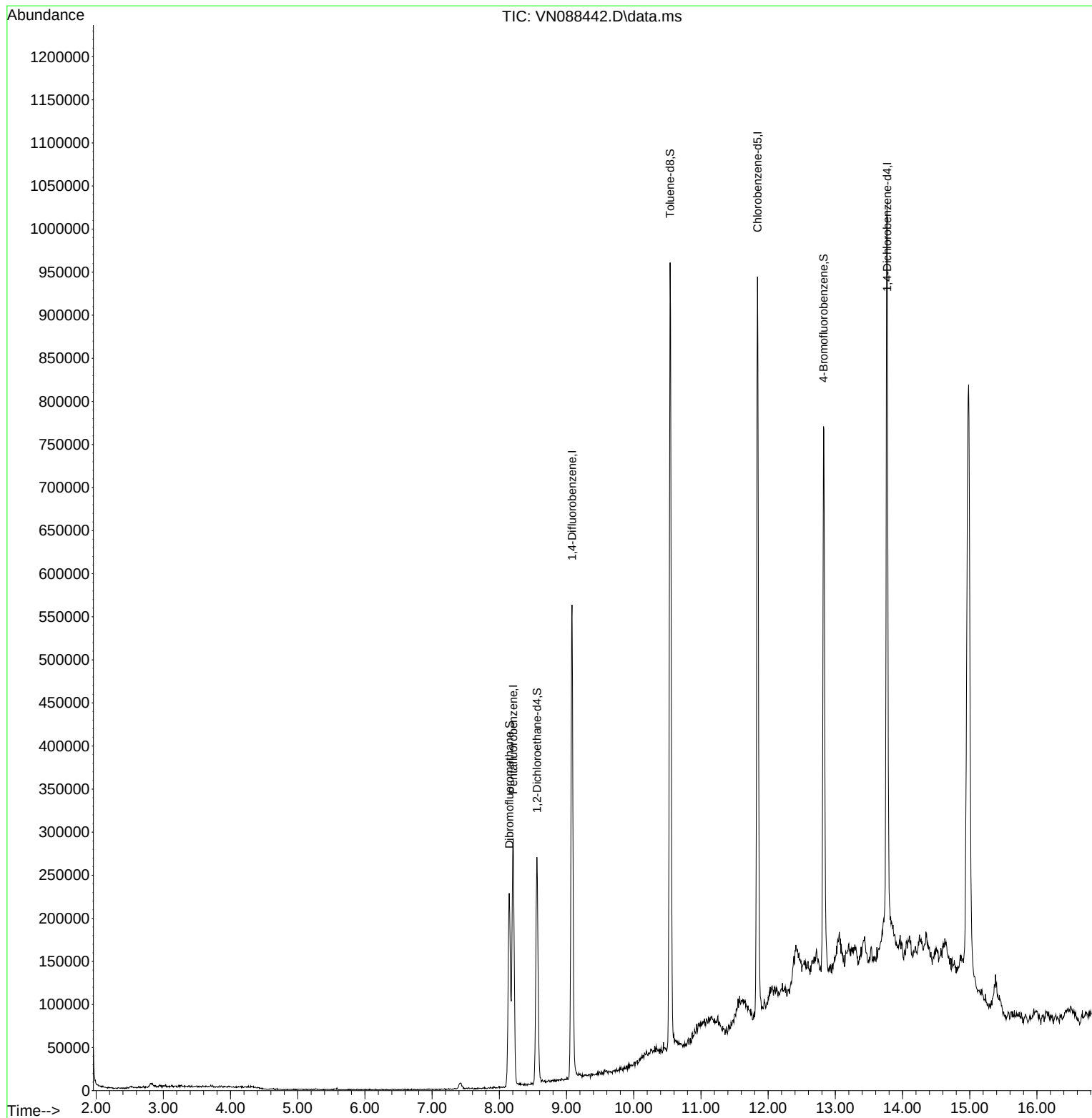
Target Compounds	Qvalue

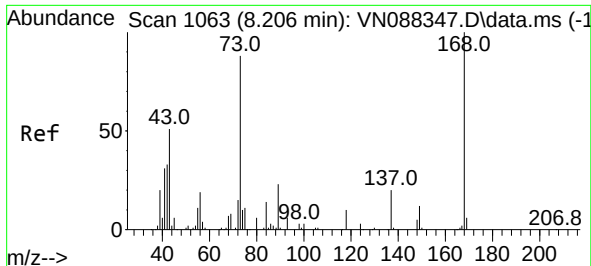
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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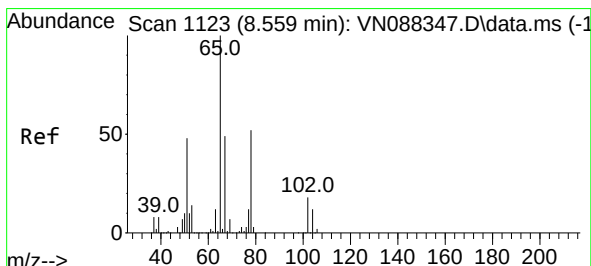
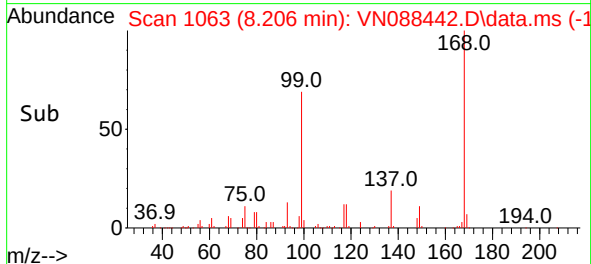
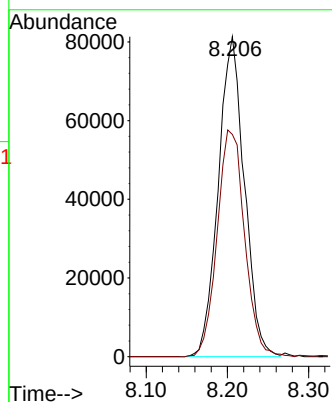
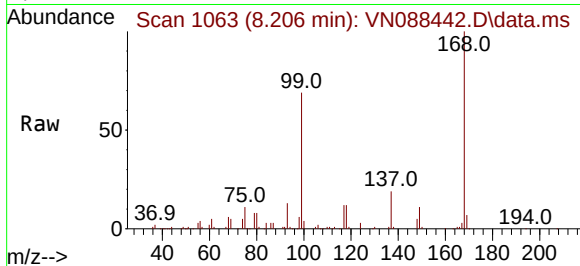




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.206 min Scan# 1063
Delta R.T. 0.000 min
Lab File: VN088442.D
Acq: 04 Dec 2025 13:52

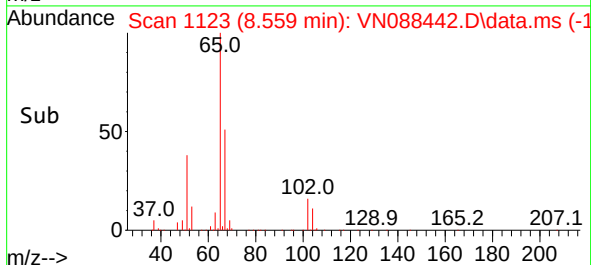
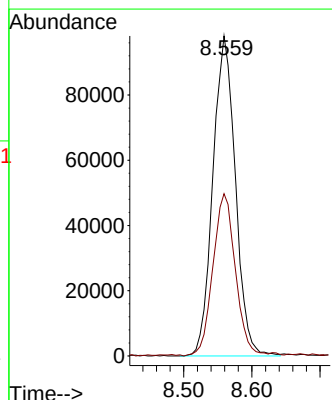
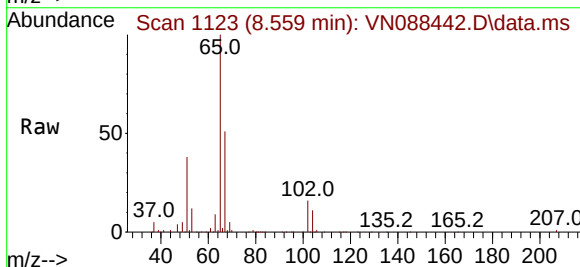
Instrument :
MSVOA_N
ClientSampleId :
IBLK

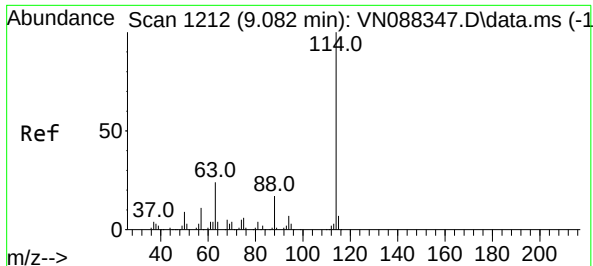
Tgt Ion:168 Resp: 181583
Ion Ratio Lower Upper
168 100
99 69.4 57.1 85.7



#33
1,2-Dichloroethane-d4
Concen: 65.943 ug/l
RT: 8.559 min Scan# 1123
Delta R.T. 0.000 min
Lab File: VN088442.D
Acq: 04 Dec 2025 13:52

Tgt Ion: 65 Resp: 225570
Ion Ratio Lower Upper
65 100
67 50.7 0.0 100.8





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 9.083 min Scan# 1

Delta R.T. 0.000 min

Lab File: VN088442.D

Acq: 04 Dec 2025 13:52

Instrument :

MSVOA_N

ClientSampleId :

IBLK

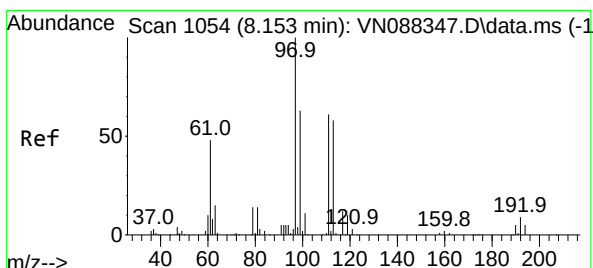
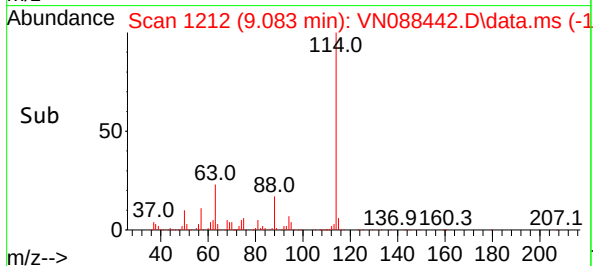
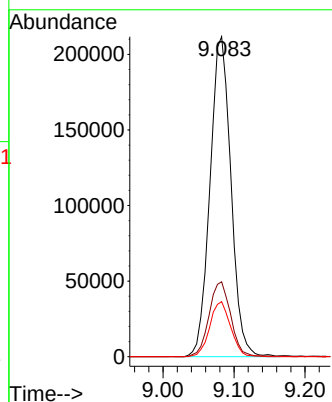
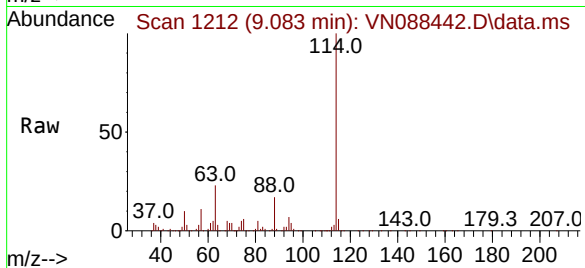
Tgt Ion:114 Resp: 433582

Ion Ratio Lower Upper

114 100

63 23.4 0.0 49.0

88 17.2 0.0 34.0



#35

Dibromofluoromethane

Concen: 52.758 ug/l

RT: 8.147 min Scan# 1053

Delta R.T. -0.006 min

Lab File: VN088442.D

Acq: 04 Dec 2025 13:52

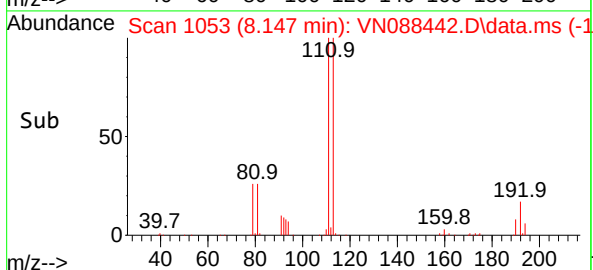
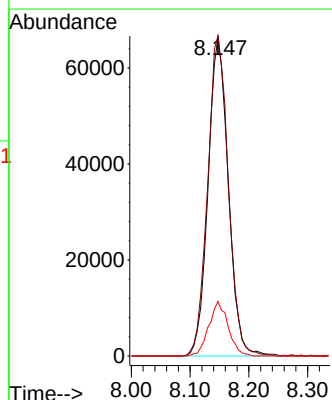
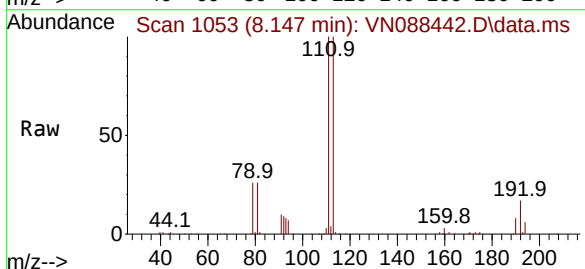
Tgt Ion:113 Resp: 158522

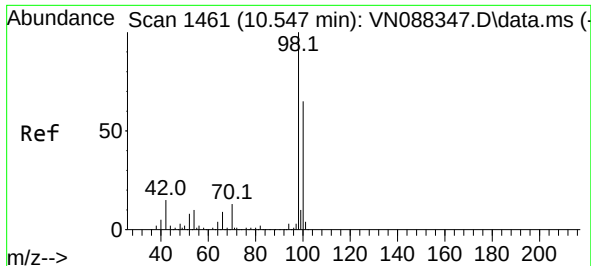
Ion Ratio Lower Upper

113 100

111 103.0 82.5 123.7

192 16.4 12.8 19.2

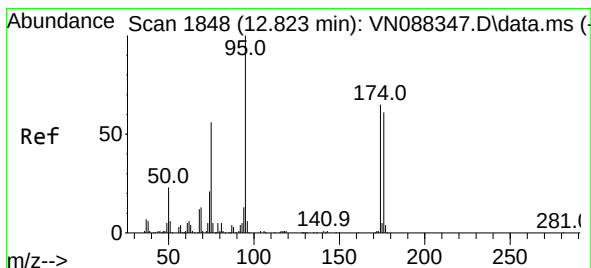
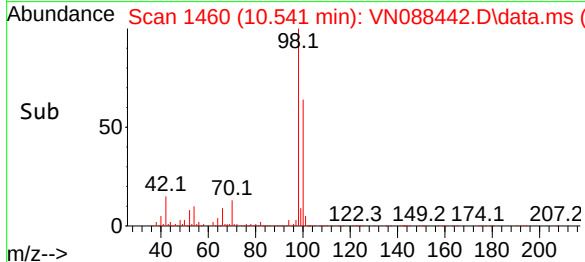
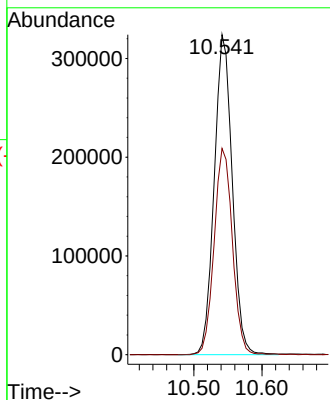
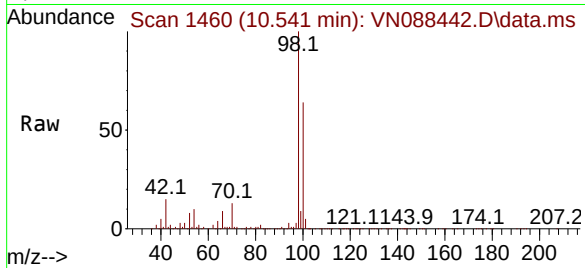




#50
Toluene-d8
Concen: 53.365 ug/l
RT: 10.541 min Scan# 1461
Delta R.T. -0.006 min
Lab File: VN088442.D
Acq: 04 Dec 2025 13:52

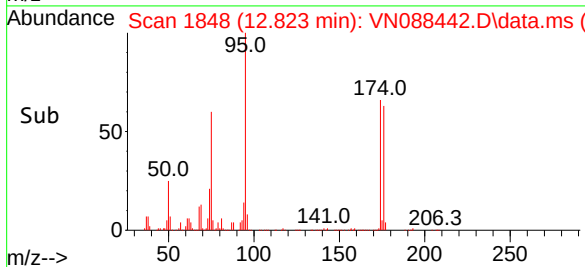
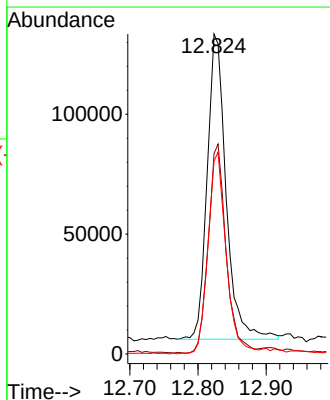
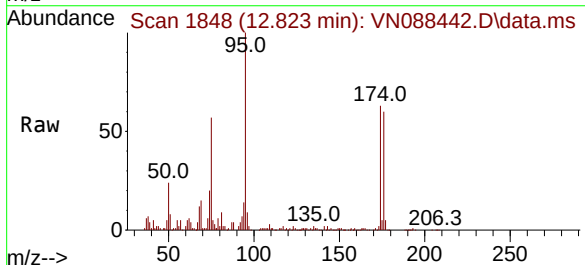
Instrument :
MSVOA_N
ClientSampleId :
IBLK

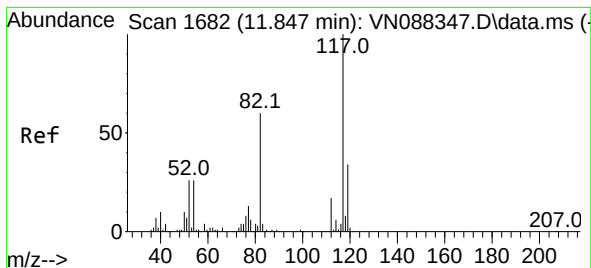
Tgt Ion: 98 Resp: 596611
Ion Ratio Lower Upper
98 100
100 65.2 52.2 78.2



#62
4-Bromofluorobenzene
Concen: 64.120 ug/l
RT: 12.823 min Scan# 1848
Delta R.T. 0.000 min
Lab File: VN088442.D
Acq: 04 Dec 2025 13:52

Tgt Ion: 95 Resp: 245965
Ion Ratio Lower Upper
95 100
174 64.9 0.0 139.0
176 63.5 0.0 132.4





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.841 min Scan# 11

Delta R.T. -0.006 min

Lab File: VN088442.D

Acq: 04 Dec 2025 13:52

Instrument :

MSVOA_N

ClientSampleId :

IBLK

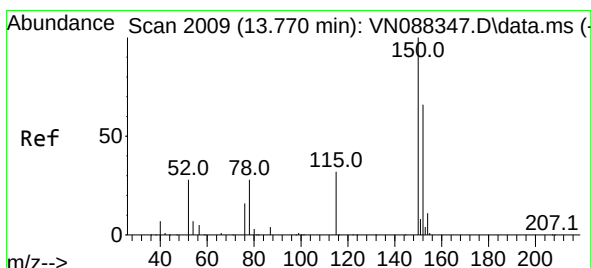
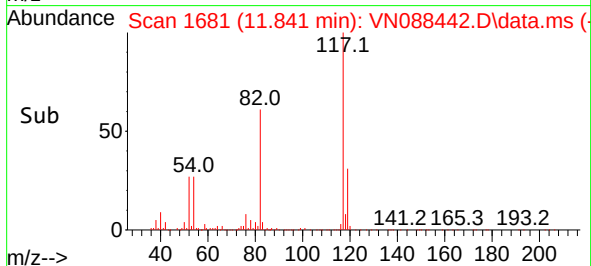
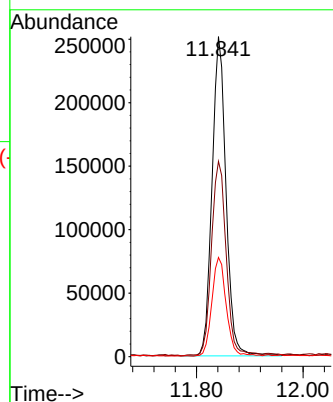
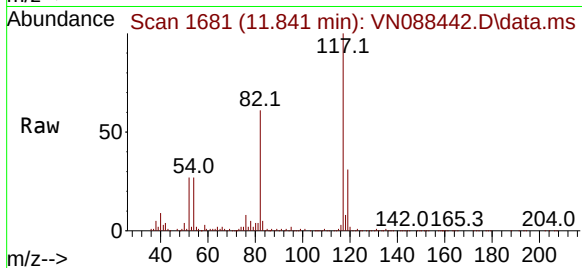
Tgt Ion:117 Resp: 457503

Ion Ratio Lower Upper

117 100

82 60.9 47.8 71.8

119 30.9 26.9 40.3



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.771 min Scan# 2009

Delta R.T. 0.000 min

Lab File: VN088442.D

Acq: 04 Dec 2025 13:52

Tgt Ion:152 Resp: 219269

Ion Ratio Lower Upper

152 100

115 69.8 33.0 98.9

150 161.3 0.0 349.0

