

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN091625\
 Data File : VN087862.D
 Acq On : 16 Sep 2025 19:40
 Operator : JC\MD
 Sample : IBLK
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 IBLK

Quant Time: Sep 17 01:29:51 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N082125W.M
 Quant Title : SW846 8260
 QLast Update : Fri Aug 22 02:55:42 2025
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	8.206	168	214999	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.082	114	470300	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.847	117	453317	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.770	152	225044	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.559	65	200736	45.569	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	=	91.140%
35) Dibromofluoromethane	8.147	113	163810	48.242	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	96.480%
50) Toluene-d8	10.547	98	594692	46.793	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	=	93.580%
62) 4-Bromofluorobenzene	12.829	95	217472	48.116	ug/l	0.00
Spiked Amount	50.000	Range	77 - 121	Recovery	=	96.240%

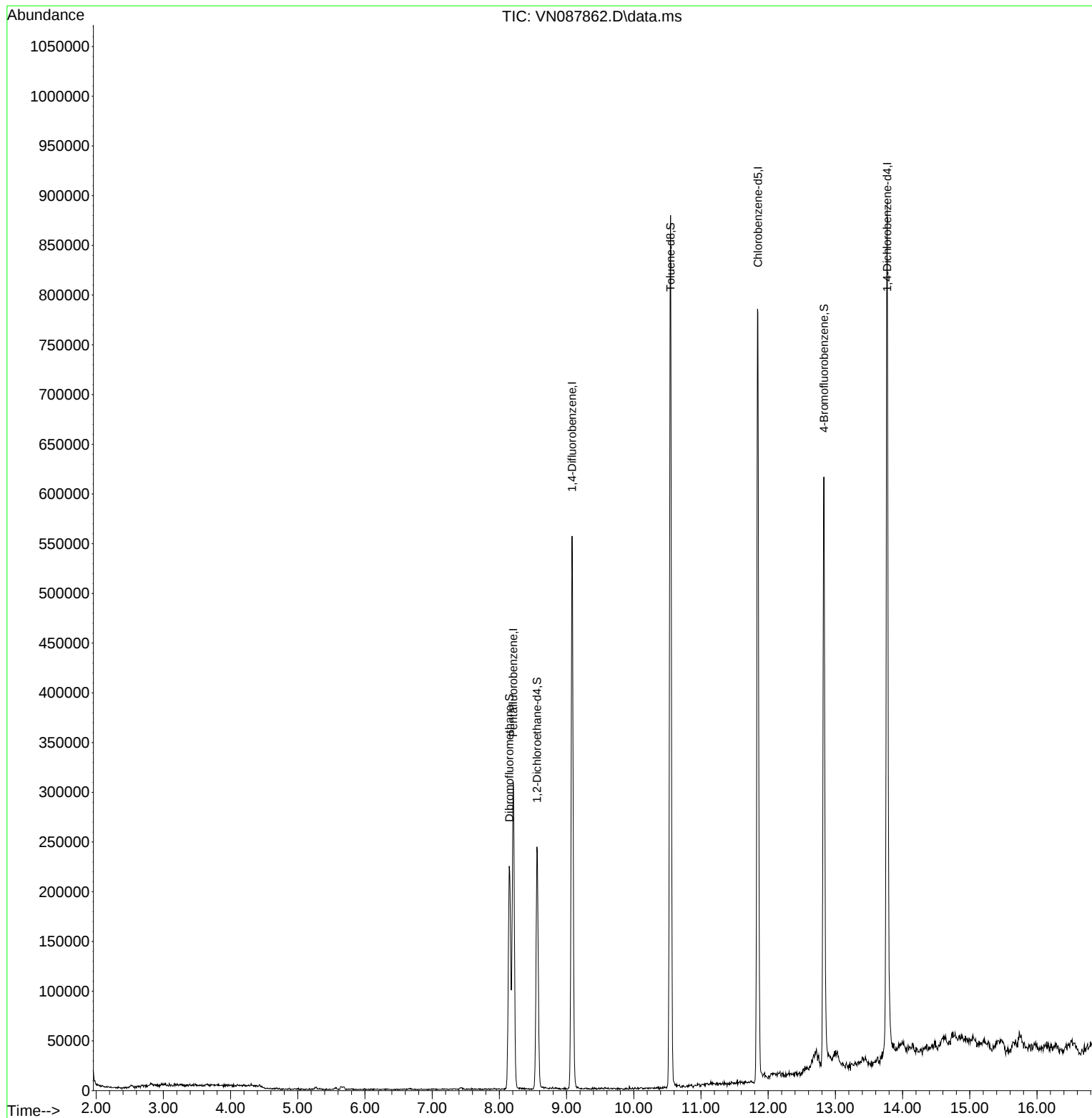
Target Compounds	Qvalue

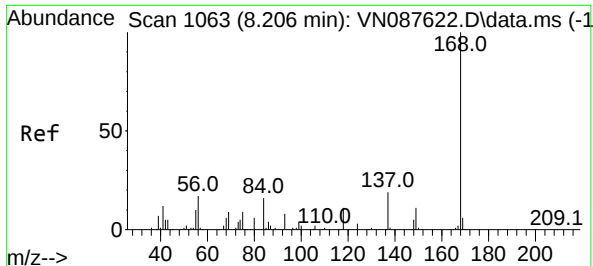
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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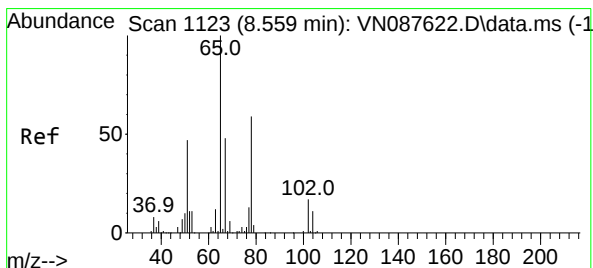
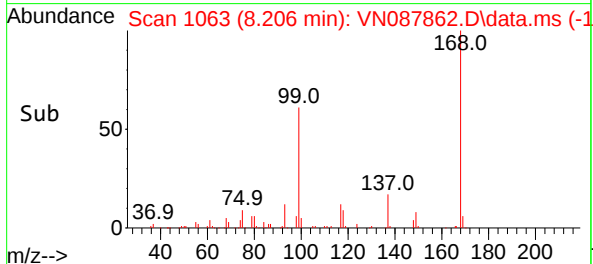
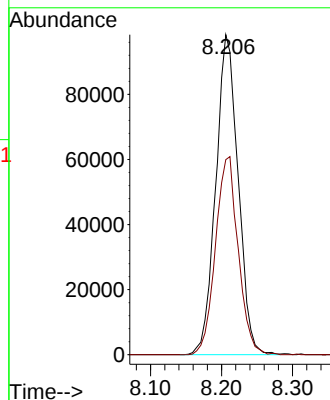
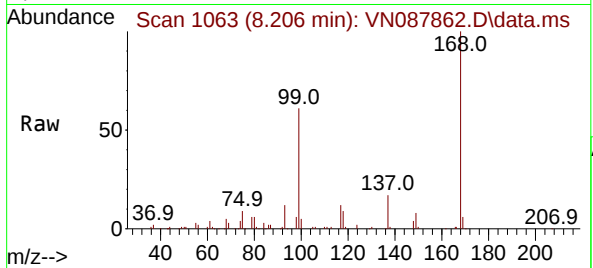




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.206 min Scan# 1063
Delta R.T. 0.000 min
Lab File: VN087862.D
Acq: 16 Sep 2025 19:40

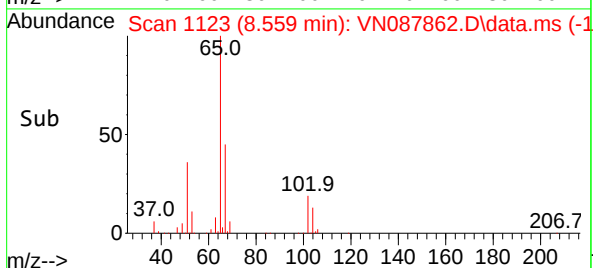
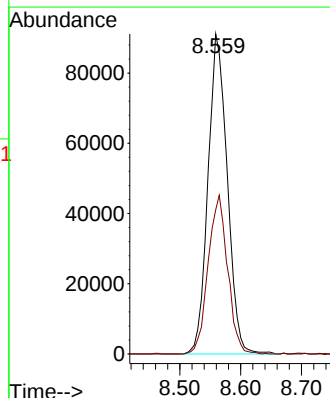
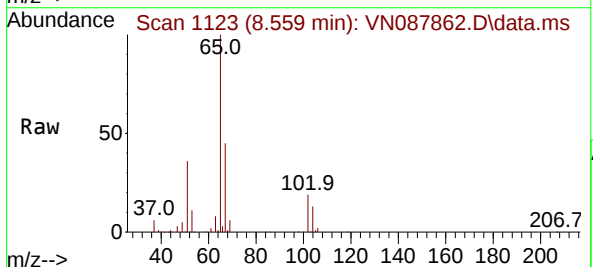
Instrument :
MSVOA_N
ClientSampleId :
IBLK

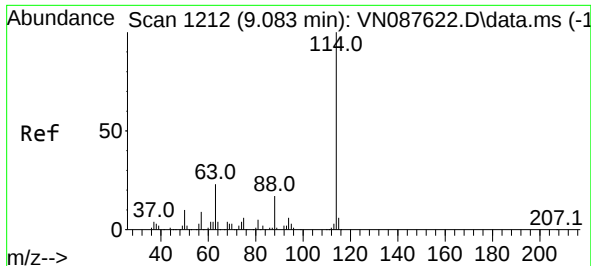
Tgt Ion:168 Resp: 214999
Ion Ratio Lower Upper
168 100
99 60.9 57.2 85.8



#33
1,2-Dichloroethane-d4
Concen: 45.569 ug/l
RT: 8.559 min Scan# 1123
Delta R.T. -0.000 min
Lab File: VN087862.D
Acq: 16 Sep 2025 19:40

Tgt Ion: 65 Resp: 200736
Ion Ratio Lower Upper
65 100
67 50.1 0.0 100.0





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 9.082 min Scan# 1

Delta R.T. -0.000 min

Lab File: VN087862.D

Acq: 16 Sep 2025 19:40

Instrument :

MSVOA_N

ClientSampleId :

IBLK

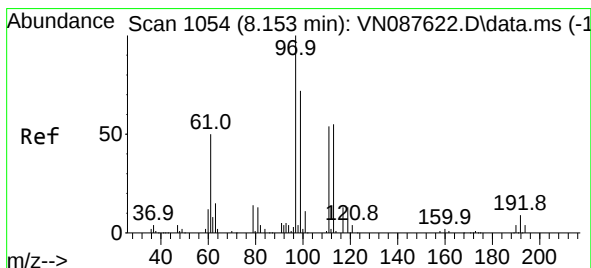
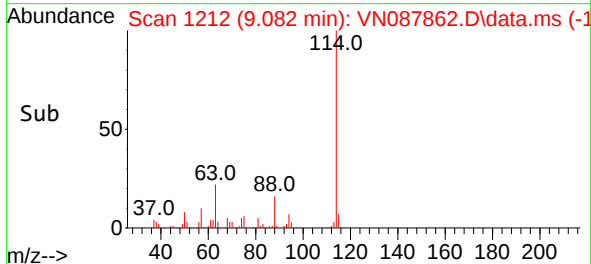
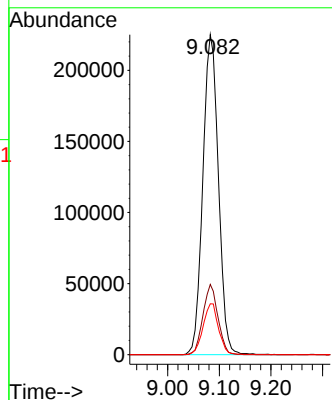
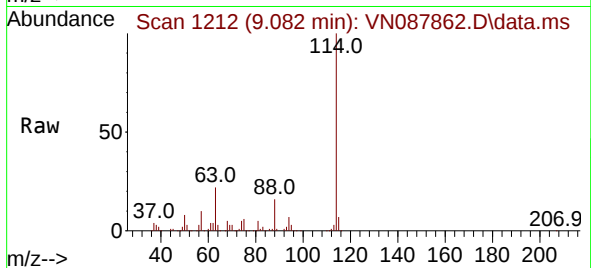
Tgt Ion:114 Resp: 470300

Ion Ratio Lower Upper

114 100

63 21.9 0.0 45.2

88 15.9 0.0 33.4



#35

Dibromofluoromethane

Concen: 48.242 ug/l

RT: 8.147 min Scan# 1053

Delta R.T. -0.006 min

Lab File: VN087862.D

Acq: 16 Sep 2025 19:40

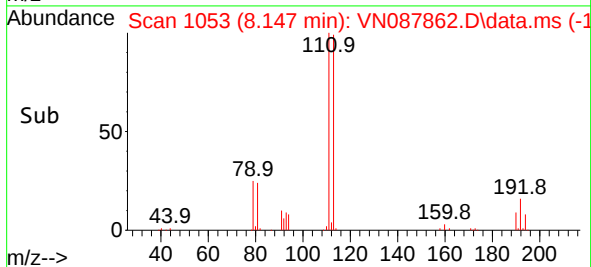
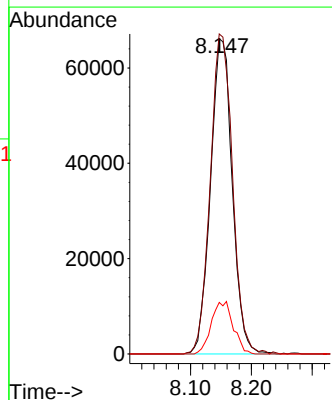
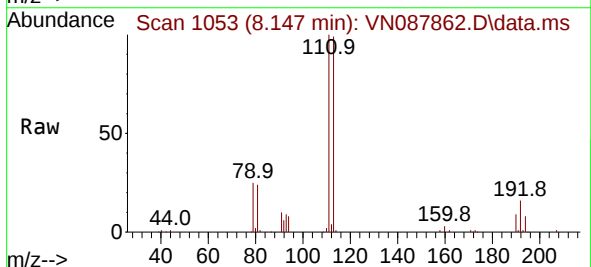
Tgt Ion:113 Resp: 163810

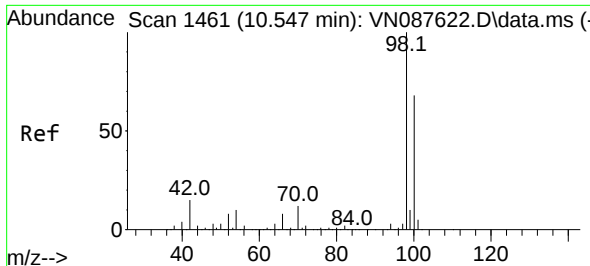
Ion Ratio Lower Upper

113 100

111 103.9 82.8 124.2

192 16.7 12.8 19.2

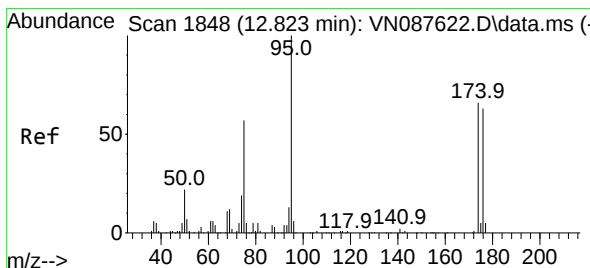
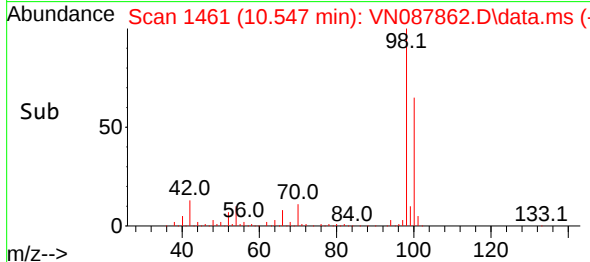
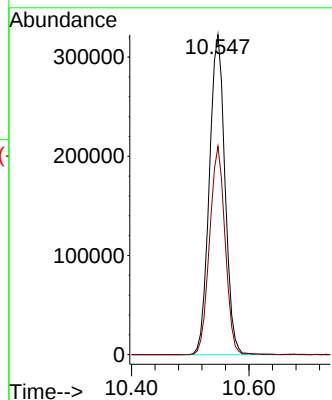
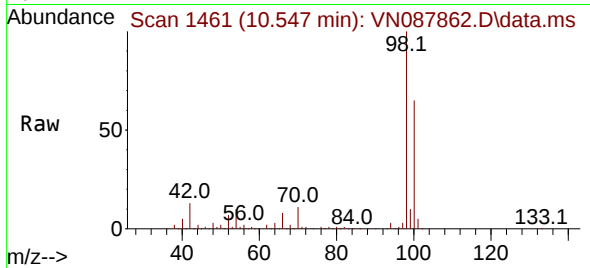




#50
Toluene-d8
Concen: 46.793 ug/l
RT: 10.547 min Scan# 1461
Delta R.T. -0.000 min
Lab File: VN087862.D
Acq: 16 Sep 2025 19:40

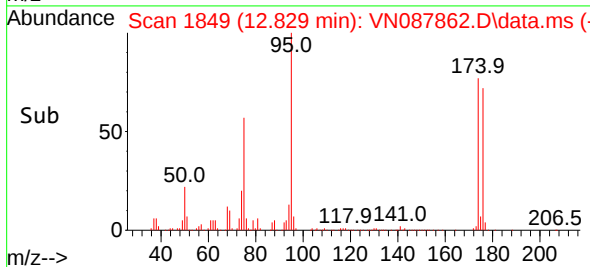
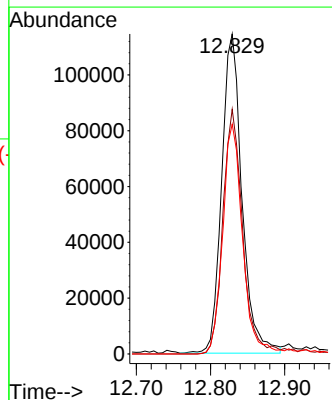
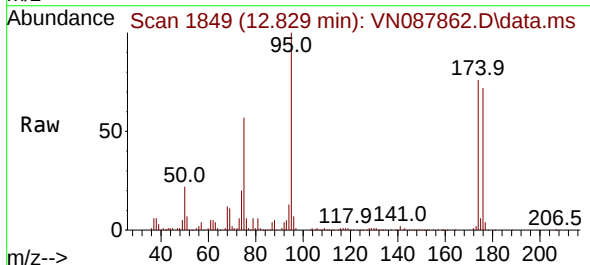
Instrument :
MSVOA_N
ClientSampleId :
IBLK

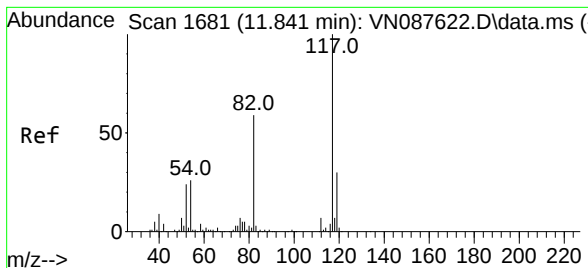
Tgt Ion: 98 Resp: 594692
Ion Ratio Lower Upper
98 100
100 64.7 52.8 79.2



#62
4-Bromofluorobenzene
Concen: 48.116 ug/l
RT: 12.829 min Scan# 1849
Delta R.T. 0.006 min
Lab File: VN087862.D
Acq: 16 Sep 2025 19:40

Tgt Ion: 95 Resp: 217472
Ion Ratio Lower Upper
95 100
174 75.1 0.0 138.4
176 70.5 0.0 132.6





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.847 min Scan# 1

Delta R.T. 0.006 min

Lab File: VN087862.D

Acq: 16 Sep 2025 19:40

Instrument :

MSVOA_N

ClientSampleId :

IBLK

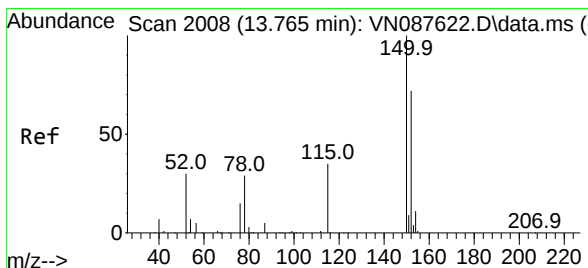
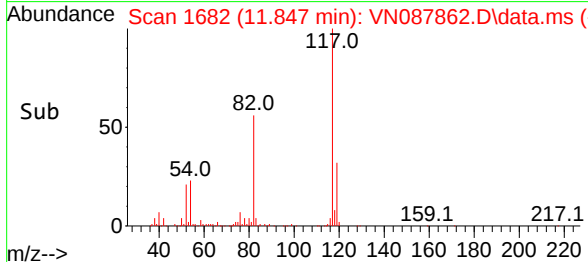
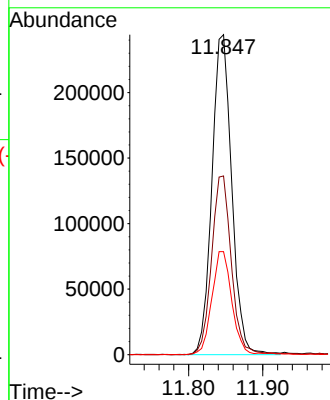
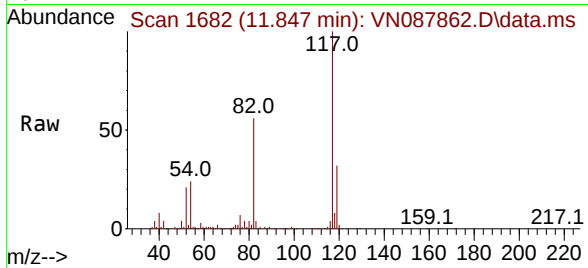
Tgt Ion:117 Resp: 453317

Ion Ratio Lower Upper

117 100

82 55.7 47.4 71.2

119 32.2 24.3 36.5



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.770 min Scan# 2009

Delta R.T. 0.006 min

Lab File: VN087862.D

Acq: 16 Sep 2025 19:40

Tgt Ion:152 Resp: 225044

Ion Ratio Lower Upper

152 100

115 62.8 32.3 96.8

150 157.0 0.0 351.0

