

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN091625\
 Data File : VN087864.D
 Acq On : 16 Sep 2025 20:22
 Operator : JC\MD
 Sample : Q3087-02
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 STORAGE-BLANK-WATER-REF-5

Quant Time: Sep 17 01:30:33 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	209912	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.082	114	469608	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.847	117	443047	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.770	152	209847	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.559	65	200848	46.700	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	=	93.400%
35) Dibromofluoromethane	8.147	113	166156	49.005	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	98.020%
50) Toluene-d8	10.547	98	585297	46.122	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	=	92.240%
62) 4-Bromofluorobenzene	12.829	95	213191	47.239	ug/l	0.00
Spiked Amount	50.000	Range	77 - 121	Recovery	=	94.480%

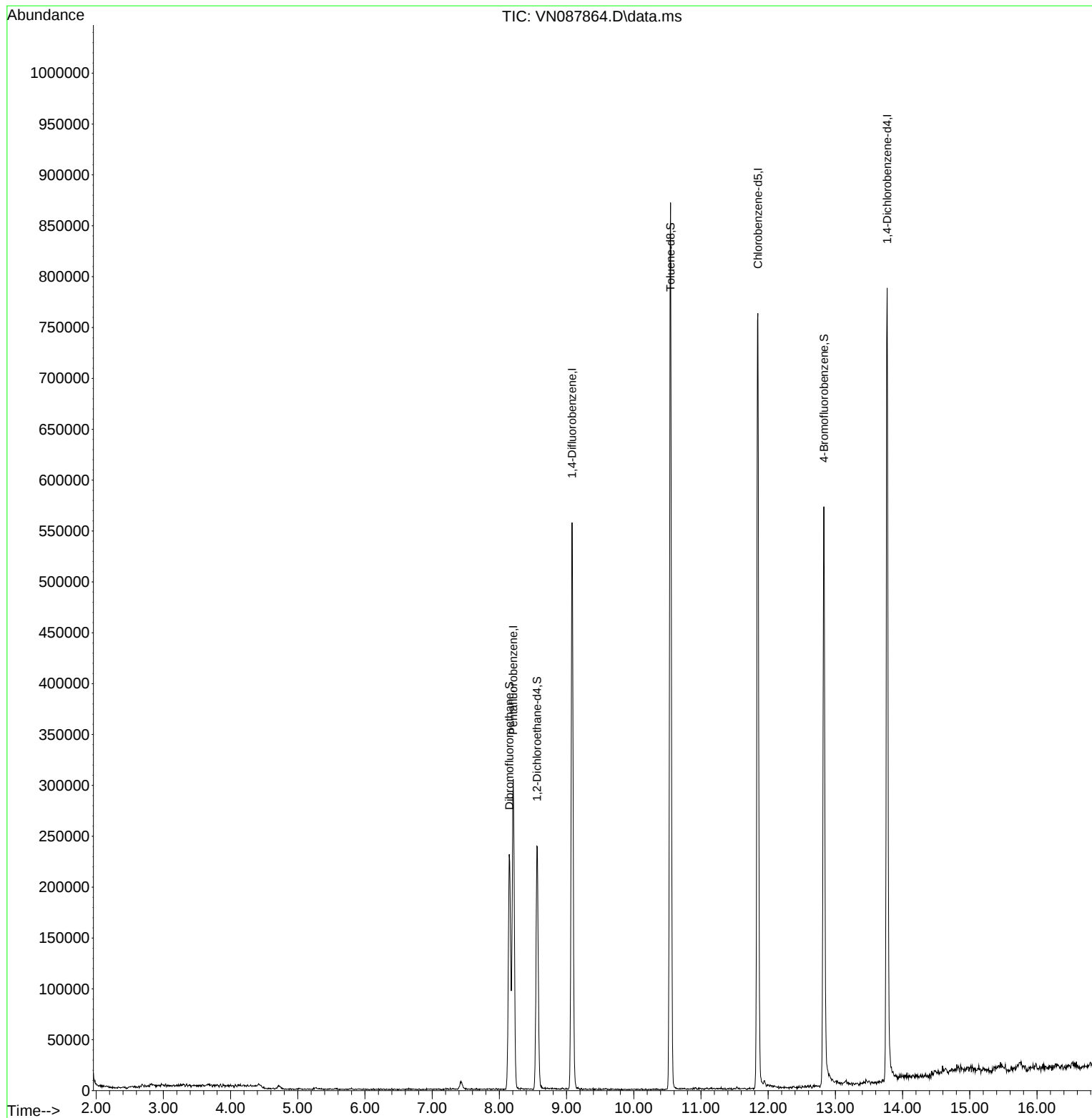
Target Compounds	Qvalue

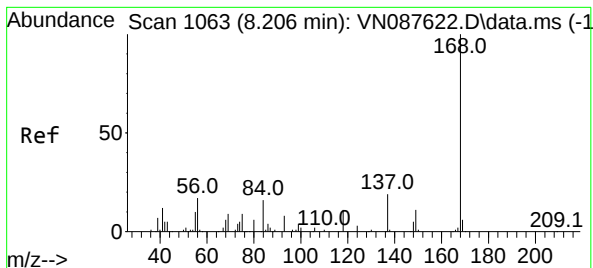
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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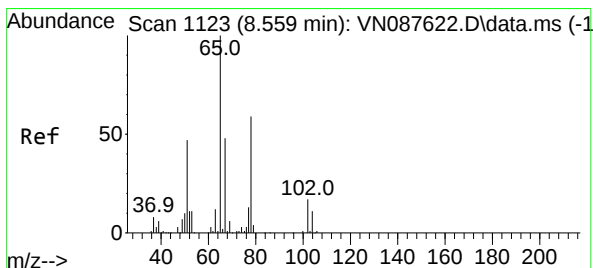
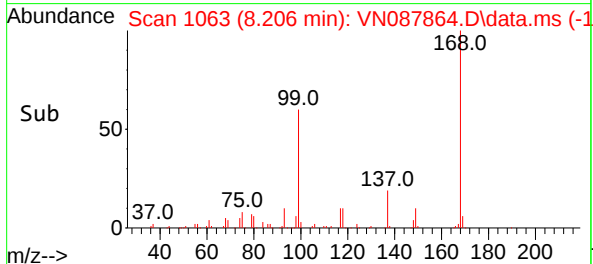
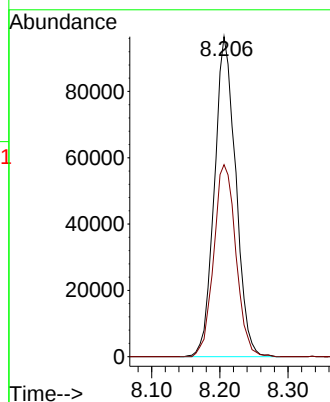
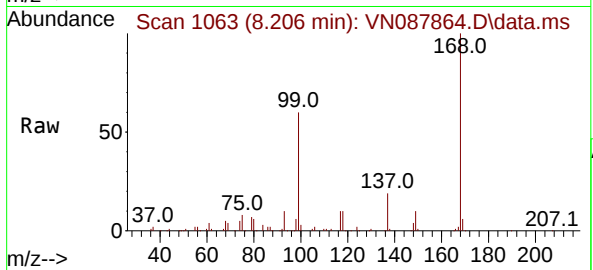




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.206 min Scan# 1063
Delta R.T. 0.000 min
Lab File: VN087864.D
Acq: 16 Sep 2025 20:22

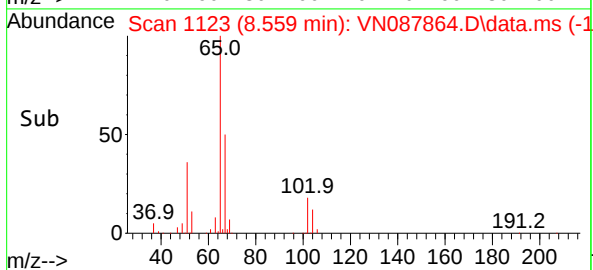
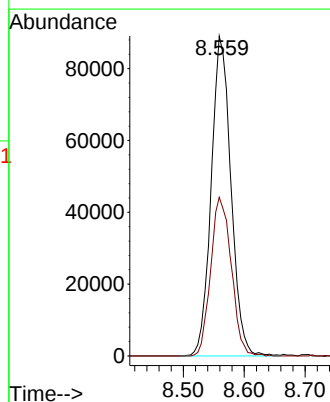
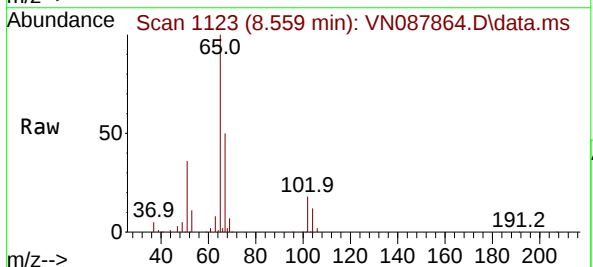
Instrument :
MSVOA_N
ClientSampleId :
STORAGE-BLANK-WATER-REF-5

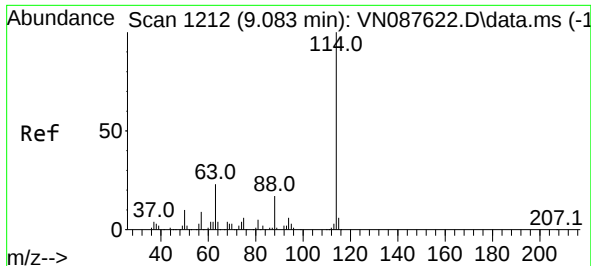
Tgt Ion:168 Resp: 209912
Ion Ratio Lower Upper
168 100
99 60.0 57.2 85.8



#33
1,2-Dichloroethane-d4
Concen: 46.700 ug/l
RT: 8.559 min Scan# 1123
Delta R.T. -0.000 min
Lab File: VN087864.D
Acq: 16 Sep 2025 20:22

Tgt Ion: 65 Resp: 200848
Ion Ratio Lower Upper
65 100
67 51.7 0.0 100.0

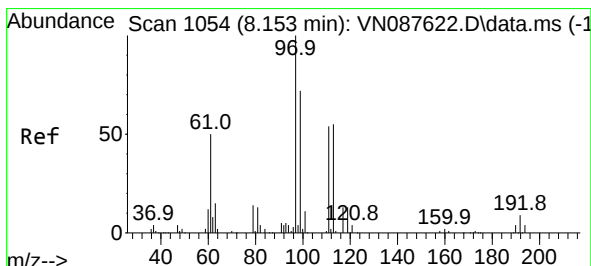
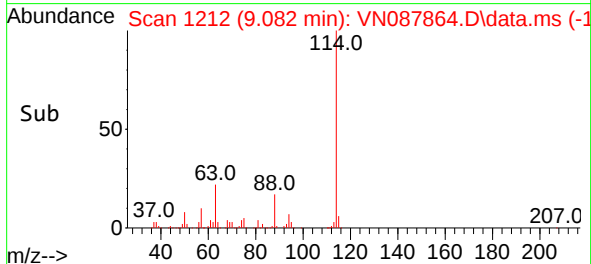
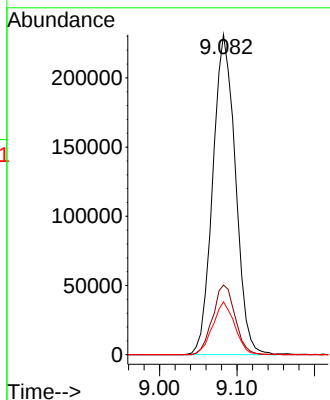
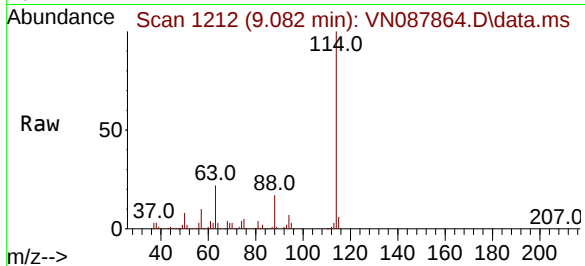




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 9.082 min Scan# 11
Delta R.T. -0.000 min
Lab File: VN087864.D
Acq: 16 Sep 2025 20:22

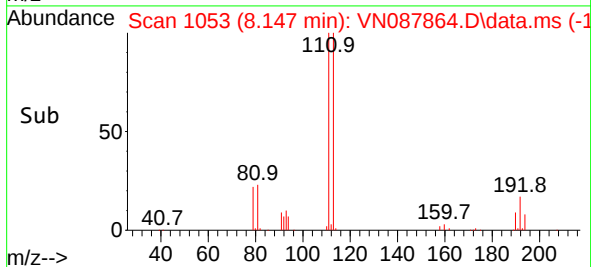
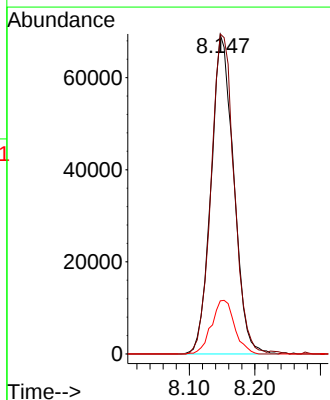
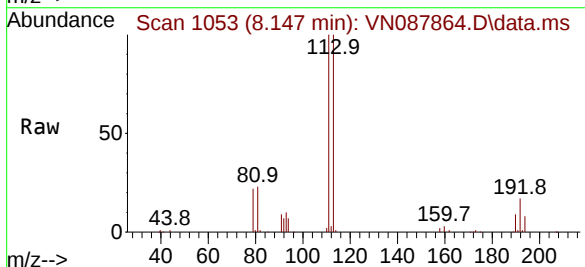
Instrument :
MSVOA_N
ClientSampleId :
STORAGE-BLANK-WATER-REF-5

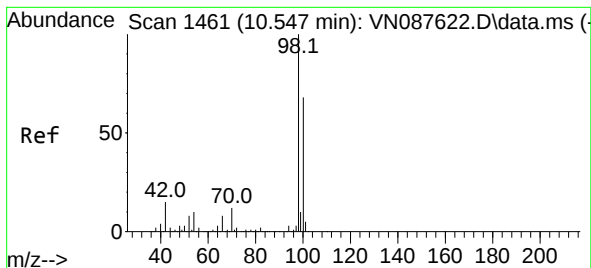
Tgt Ion:114 Resp: 469608
Ion Ratio Lower Upper
114 100
63 21.8 0.0 45.2
88 16.5 0.0 33.4



#35
Dibromofluoromethane
Concen: 49.005 ug/l
RT: 8.147 min Scan# 1053
Delta R.T. -0.006 min
Lab File: VN087864.D
Acq: 16 Sep 2025 20:22

Tgt Ion:113 Resp: 166156
Ion Ratio Lower Upper
113 100
111 101.5 82.8 124.2
192 17.1 12.8 19.2

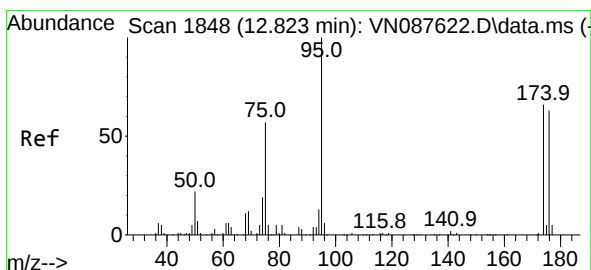
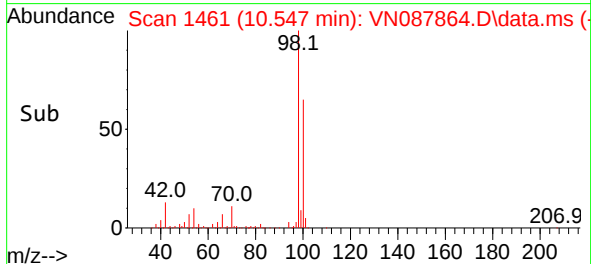
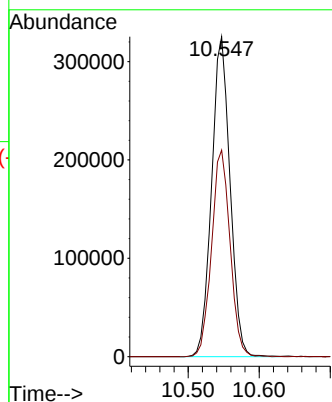
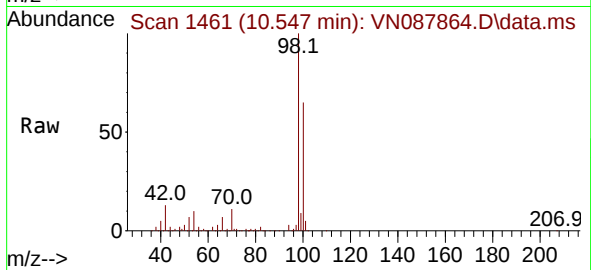




#50
Toluene-d8
Concen: 46.122 ug/l
RT: 10.547 min Scan# 1461
Delta R.T. -0.000 min
Lab File: VN087864.D
Acq: 16 Sep 2025 20:22

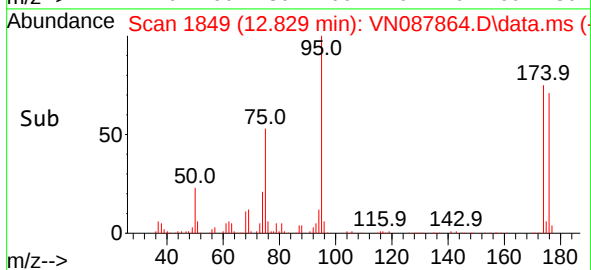
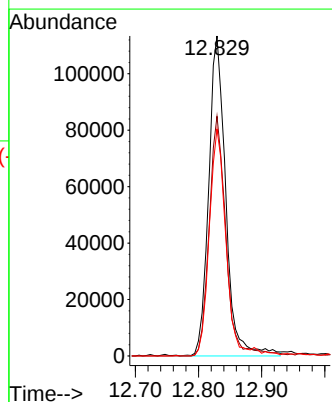
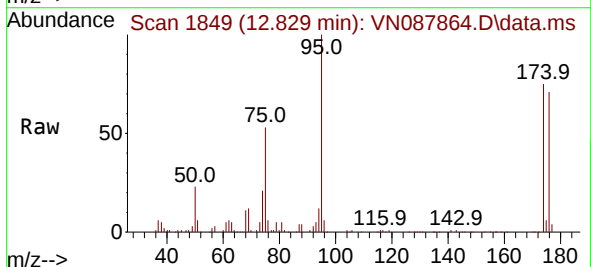
Instrument : MSVOA_N
ClientSampleId : STORAGE-BLANK-WATER-REF-5

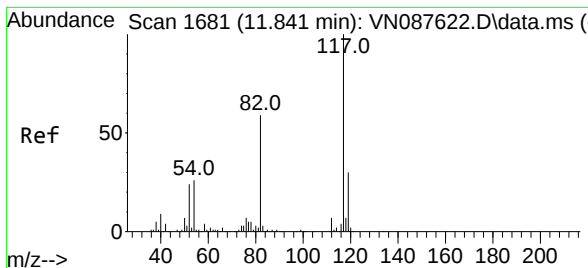
Tgt Ion: 98 Resp: 585297
Ion Ratio Lower Upper
98 100
100 64.8 52.8 79.2



#62
4-Bromofluorobenzene
Concen: 47.239 ug/l
RT: 12.829 min Scan# 1849
Delta R.T. 0.006 min
Lab File: VN087864.D
Acq: 16 Sep 2025 20:22

Tgt Ion: 95 Resp: 213191
Ion Ratio Lower Upper
95 100
174 73.5 0.0 138.4
176 69.7 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: VN087864.D

Acq: 16 Sep 2025 20:22

Instrument :

MSVOA_N

ClientSampleId :

STORAGE-BLANK-WATER-REF-5

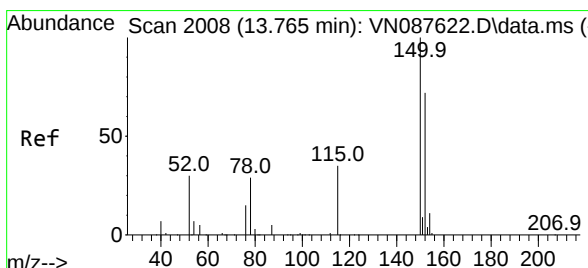
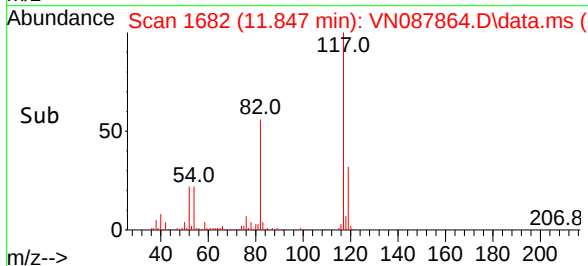
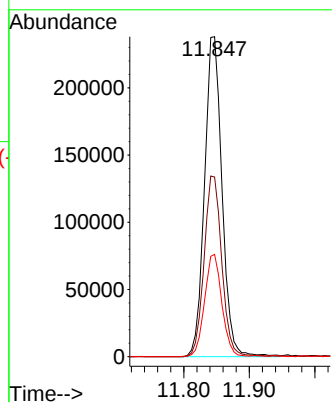
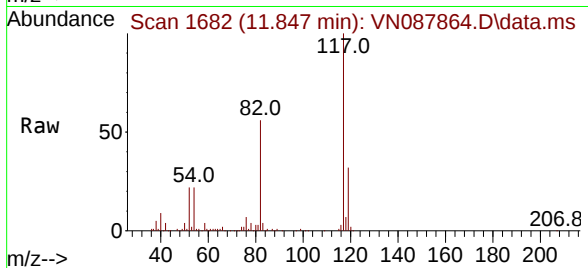
Tgt Ion:117 Resp: 443047

Ion Ratio Lower Upper

117 100

82 56.2 47.4 71.2

119 31.9 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: VN087864.D

Acq: 16 Sep 2025 20:22

Tgt Ion:152 Resp: 209847

Ion Ratio Lower Upper

152 100

115 63.7 32.3 96.8

150 161.5 0.0 351.0

