

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN091025\
 Data File : VN087787.D
 Acq On : 10 Sep 2025 17:32
 Operator : JC\MD
 Sample : VIBLK
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VIBLK

Quant Time: Sep 11 02:08:20 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	204156	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.083	114	457601	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.847	117	437353	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.771	152	209026	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.559	65	215947	51.626	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	= 103.260%	
35) Dibromofluoromethane	8.147	113	167593	50.726	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	= 101.460%	
50) Toluene-d8	10.547	98	597869	48.349	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	= 96.700%	
62) 4-Bromofluorobenzene	12.829	95	208301	47.366	ug/l	0.00
Spiked Amount	50.000	Range	77 - 121	Recovery	= 94.740%	

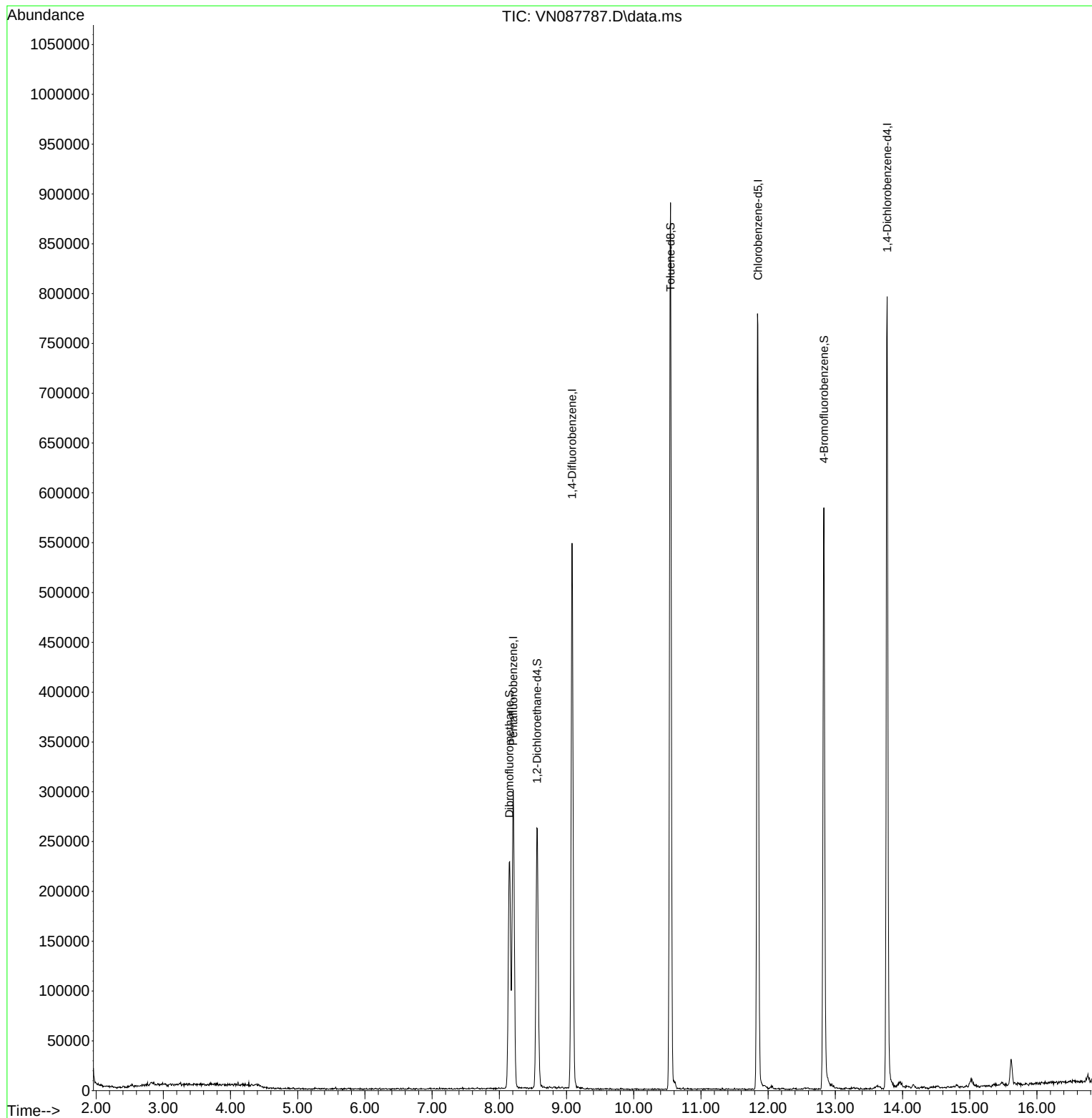
Target Compounds	Qvalue

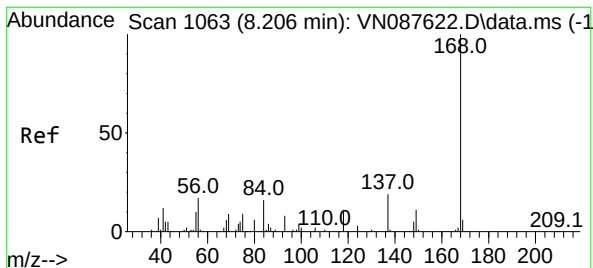
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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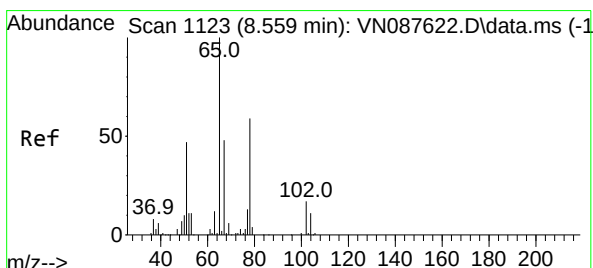
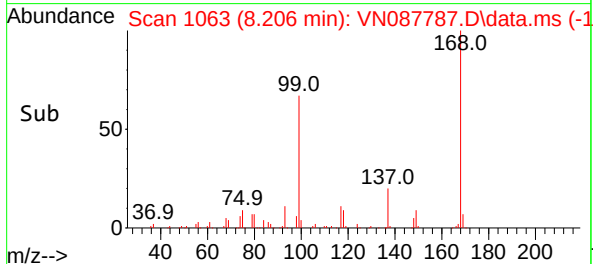
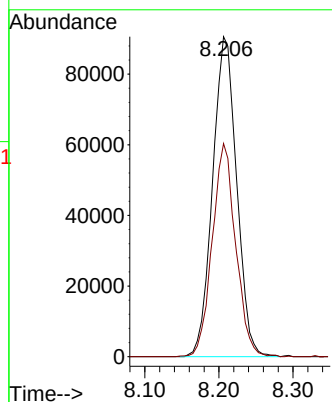
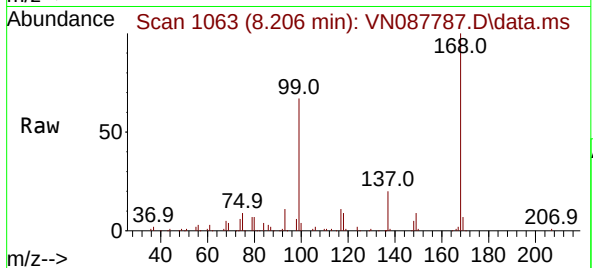




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.206 min Scan# 1063
Delta R.T. 0.000 min
Lab File: VN087787.D
Acq: 10 Sep 2025 17:32

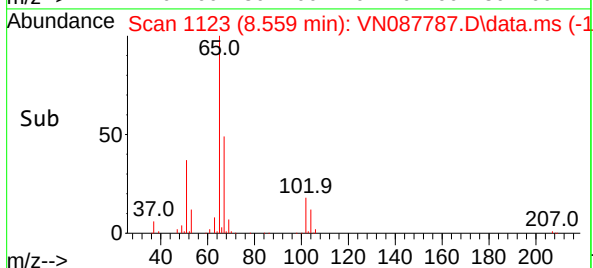
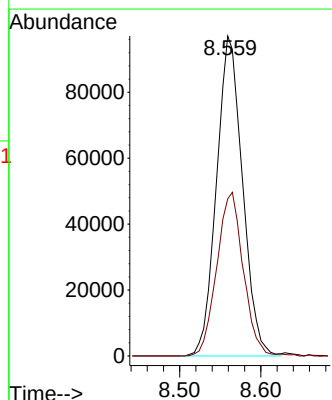
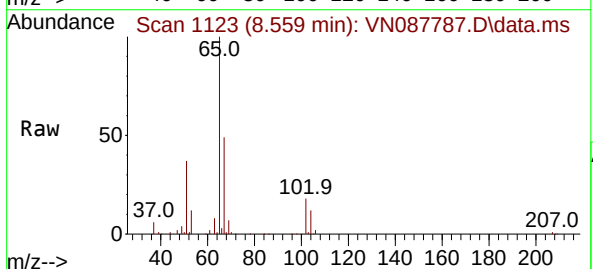
Instrument :
MSVOA_N
ClientSampleId :
VIBLK

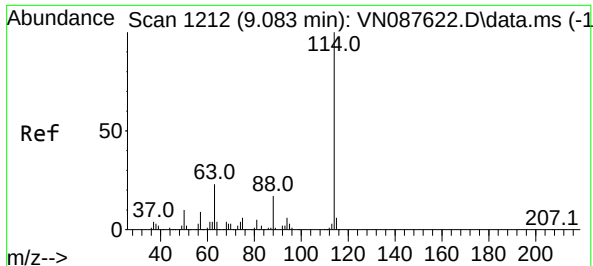
Tgt Ion:168 Resp: 204156
Ion Ratio Lower Upper
168 100
99 66.6 57.2 85.8



#33
1,2-Dichloroethane-d4
Concen: 51.626 ug/l
RT: 8.559 min Scan# 1123
Delta R.T. 0.000 min
Lab File: VN087787.D
Acq: 10 Sep 2025 17:32

Tgt Ion: 65 Resp: 215947
Ion Ratio Lower Upper
65 100
67 52.2 0.0 100.0





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 9.083 min Scan# 11

Delta R.T. 0.000 min

Lab File: VN087787.D

Acq: 10 Sep 2025 17:32

Instrument :

MSVOA_N

ClientSampleId :

VIBLK

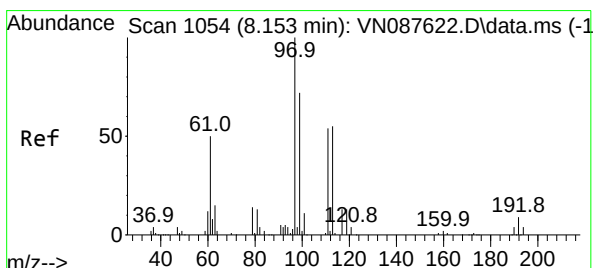
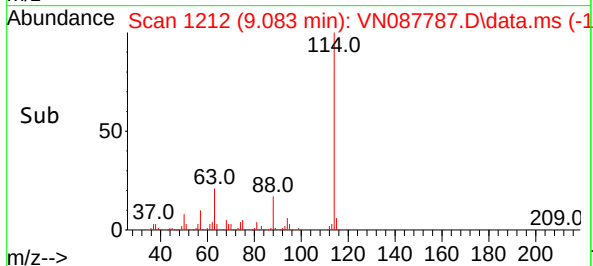
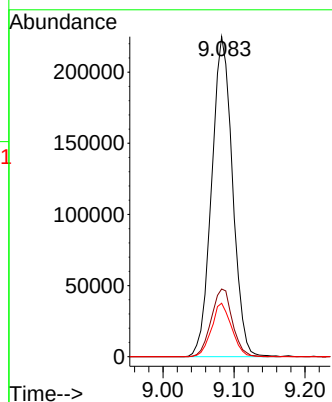
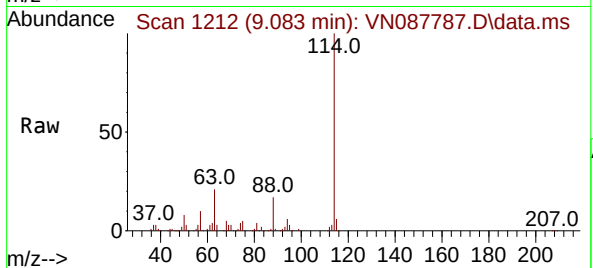
Tgt Ion:114 Resp: 457601

Ion Ratio Lower Upper

114 100

63 21.1 0.0 45.2

88 16.7 0.0 33.4



#35

Dibromofluoromethane

Concen: 50.726 ug/l

RT: 8.147 min Scan# 1053

Delta R.T. -0.006 min

Lab File: VN087787.D

Acq: 10 Sep 2025 17:32

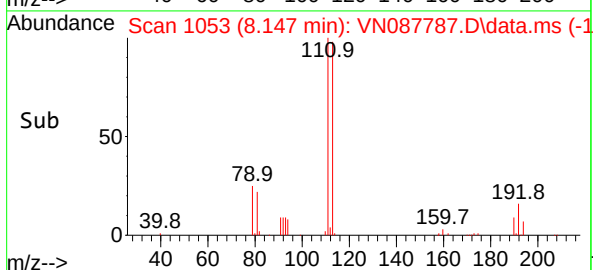
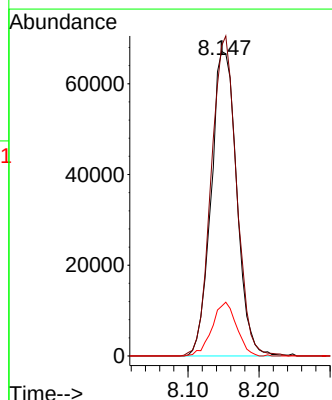
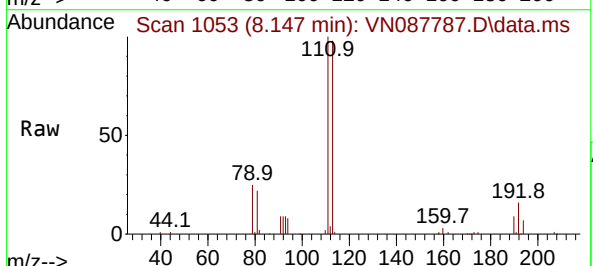
Tgt Ion:113 Resp: 167593

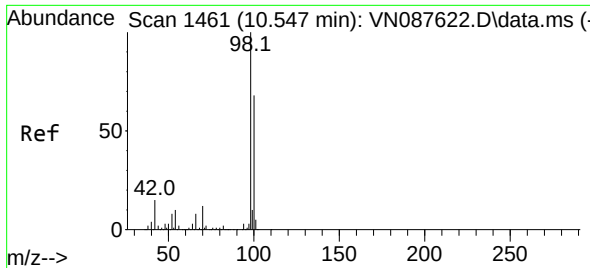
Ion Ratio Lower Upper

113 100

111 103.9 82.8 124.2

192 16.9 12.8 19.2

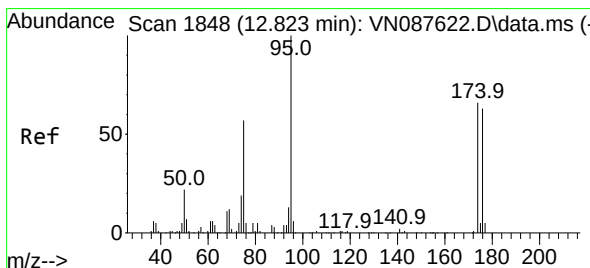
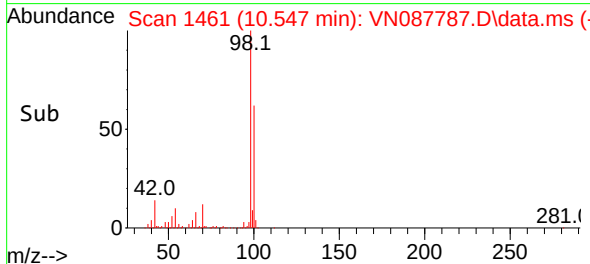
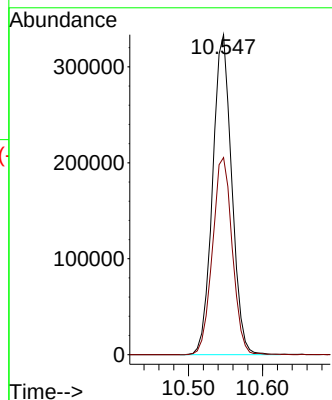
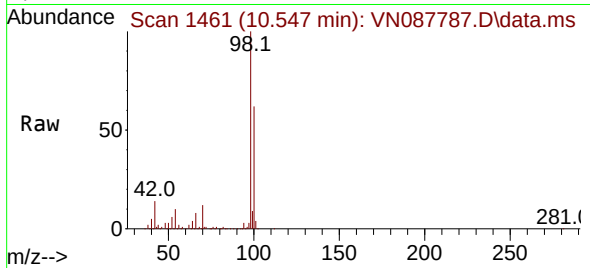




#50
Toluene-d8
Concen: 48.349 ug/l
RT: 10.547 min Scan# 1461
Delta R.T. 0.000 min
Lab File: VN087787.D
Acq: 10 Sep 2025 17:32

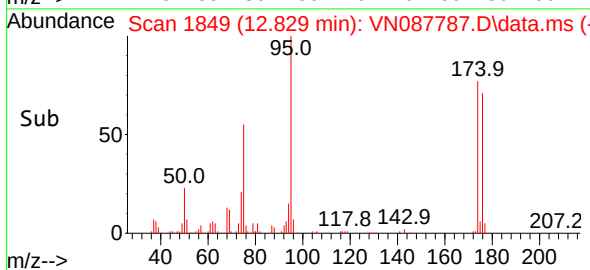
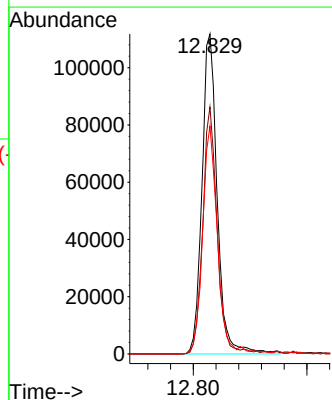
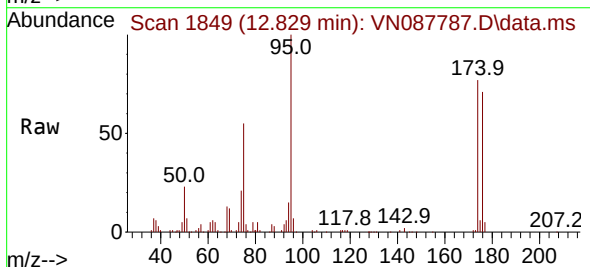
Instrument :
MSVOA_N
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VIBLK

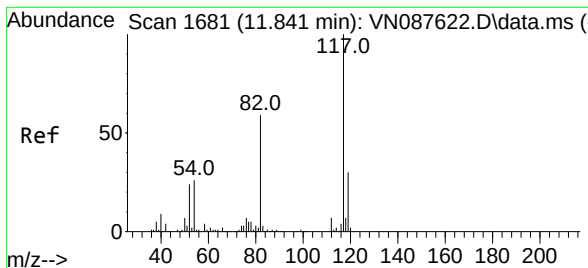
Tgt Ion: 98 Resp: 597869
Ion Ratio Lower Upper
98 100
100 63.8 52.8 79.2



#62
4-Bromofluorobenzene
Concen: 47.366 ug/l
RT: 12.829 min Scan# 1849
Delta R.T. 0.006 min
Lab File: VN087787.D
Acq: 10 Sep 2025 17:32

Tgt Ion: 95 Resp: 208301
Ion Ratio Lower Upper
95 100
174 72.5 0.0 138.4
176 67.9 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: VN087787.D

Acq: 10 Sep 2025 17:32

Instrument :

MSVOA_N

ClientSampleId :

VIBLK

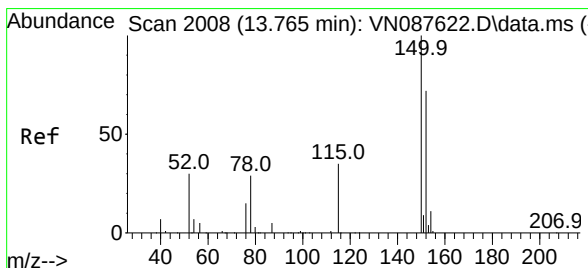
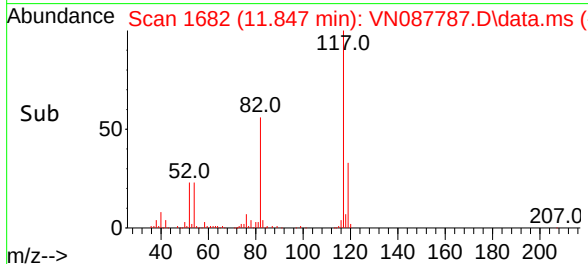
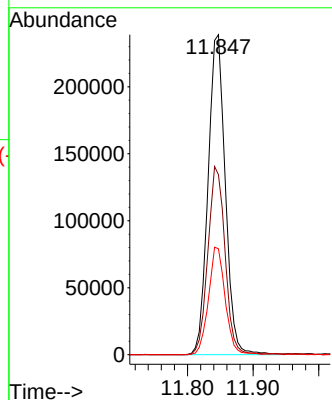
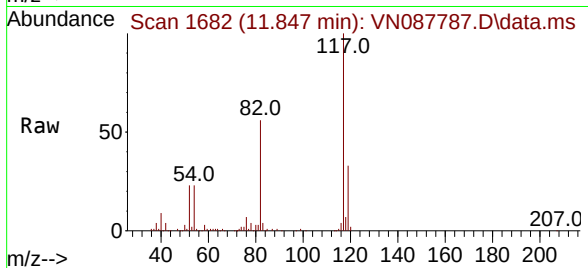
Tgt Ion:117 Resp: 437353

Ion Ratio Lower Upper

117 100

82 56.2 47.4 71.2

119 33.1 24.3 36.5



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.771 min Scan# 2009

Delta R.T. 0.006 min

Lab File: VN087787.D

Acq: 10 Sep 2025 17:32

Tgt Ion:152 Resp: 209026

Ion Ratio Lower Upper

152 100

115 62.4 32.3 96.8

150 159.5 0.0 351.0

