

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN102425\
 Data File : VN088095.D
 Acq On : 24 Oct 2025 15:39
 Operator : JC\MD
 Sample : Q3373-04
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 STORAGE-BLANK-SAMPLE-MANAGEMENT

Quant Time: Oct 25 01:06:56 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N102325W.M
 Quant Title : SW846 8260
 QLast Update : Sat Oct 25 00:15:22 2025
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	8.206	168	214510	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.082	114	479905	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.847	117	453957	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.770	152	217438	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.559	65	219158	59.083	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	= 118.160%	
35) Dibromofluoromethane	8.147	113	166962	51.787	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	= 103.580%	
50) Toluene-d8	10.547	98	615294	49.530	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	= 99.060%	
62) 4-Bromofluorobenzene	12.829	95	228168	52.007	ug/l	0.00
Spiked Amount	50.000	Range	77 - 121	Recovery	= 104.020%	

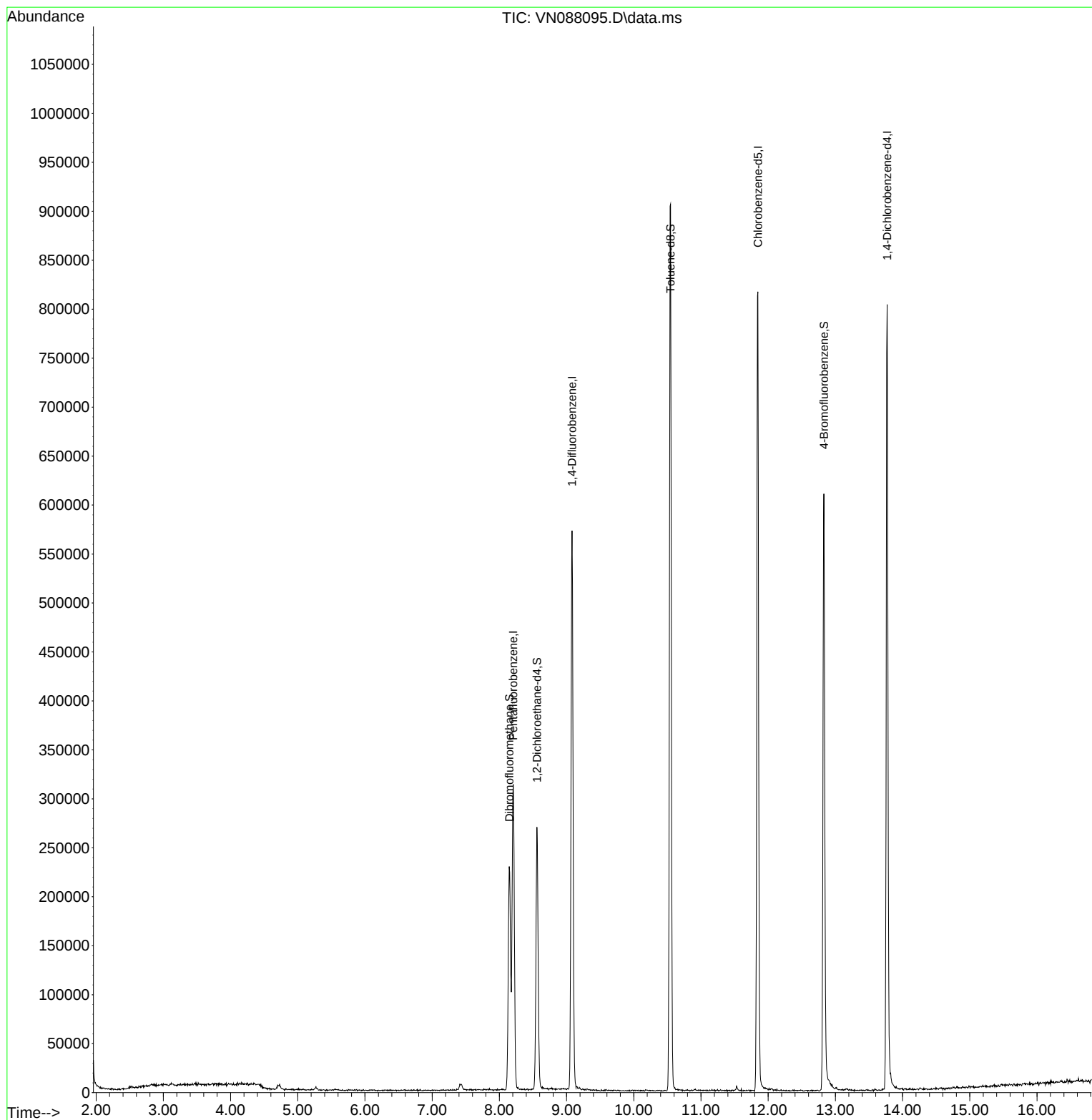
Target Compounds	Qvalue

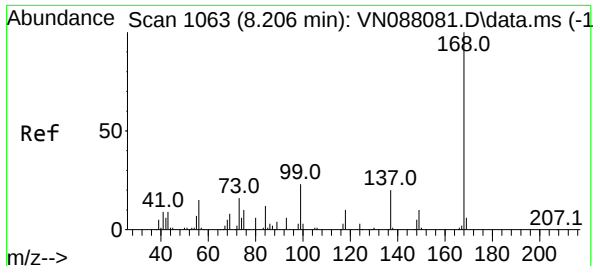
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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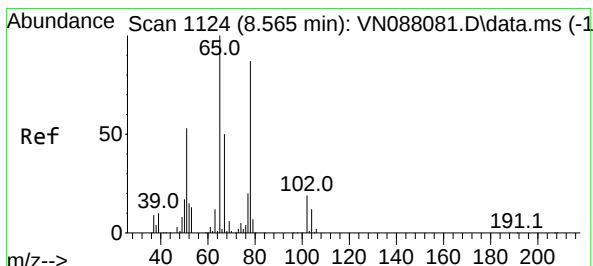
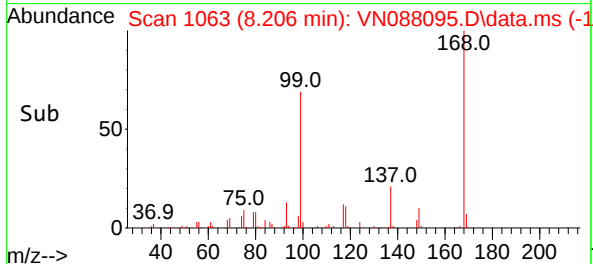
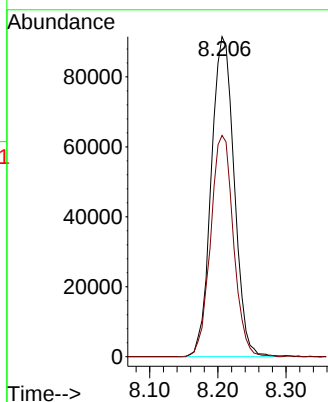
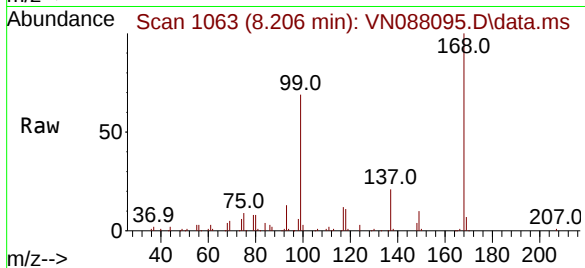




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.206 min Scan# 1063
Delta R.T. -0.000 min
Lab File: VN088095.D
Acq: 24 Oct 2025 15:39

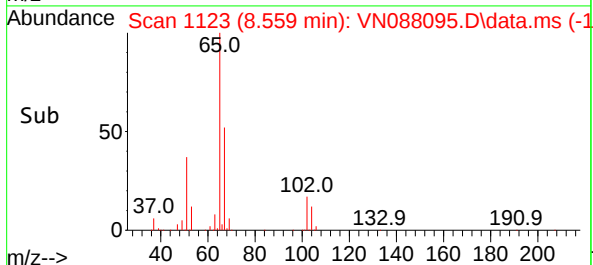
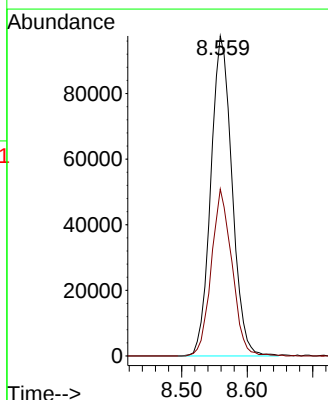
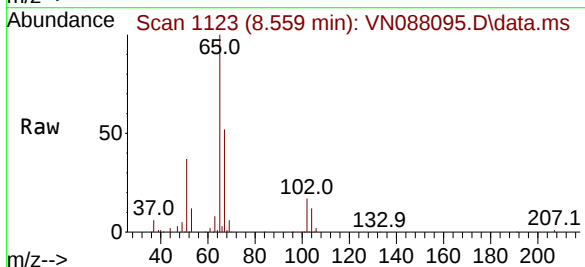
Instrument : MSVOA_N
ClientSampleId : STORAGE-BLANK-SAMPLE-MANAGEMENT

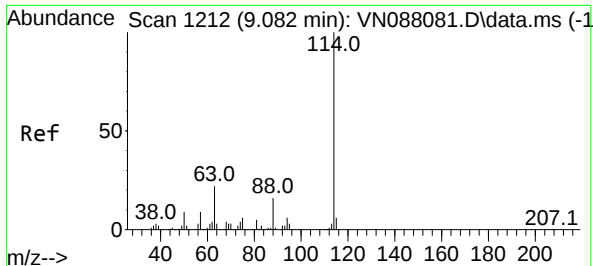
Tgt Ion:168 Resp: 214510
Ion Ratio Lower Upper
168 100
99 69.2 57.2 85.8



#33
1,2-Dichloroethane-d4
Concen: 59.083 ug/l
RT: 8.559 min Scan# 1123
Delta R.T. -0.000 min
Lab File: VN088095.D
Acq: 24 Oct 2025 15:39

Tgt Ion: 65 Resp: 219158
Ion Ratio Lower Upper
65 100
67 50.8 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: VN088095.D

Acq: 24 Oct 2025 15:39

Instrument :

MSVOA_N

ClientSampleId :

STORAGE-BLANK-SAMPLE-MANAGEMENT

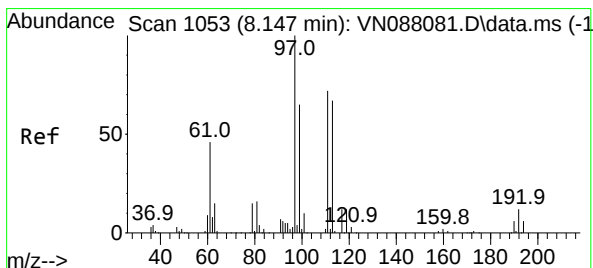
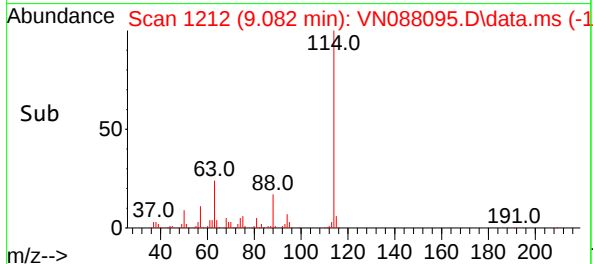
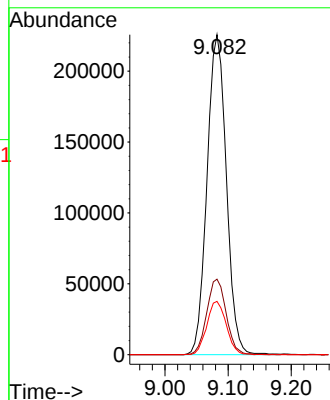
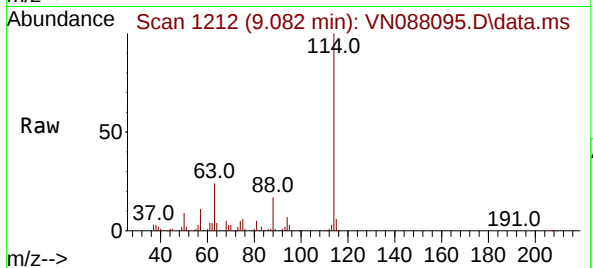
Tgt Ion:114 Resp: 479905

Ion Ratio Lower Upper

114 100

63 23.6 0.0 45.2

88 16.6 0.0 33.4



#35

Dibromofluoromethane

Concen: 51.787 ug/l

RT: 8.147 min Scan# 1053

Delta R.T. -0.006 min

Lab File: VN088095.D

Acq: 24 Oct 2025 15:39

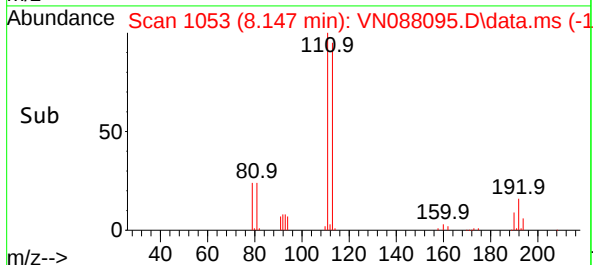
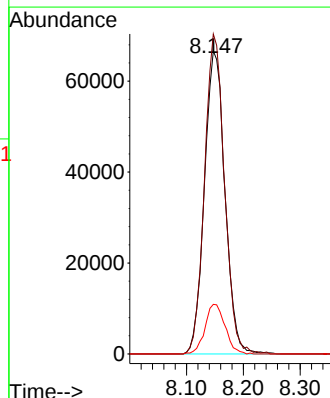
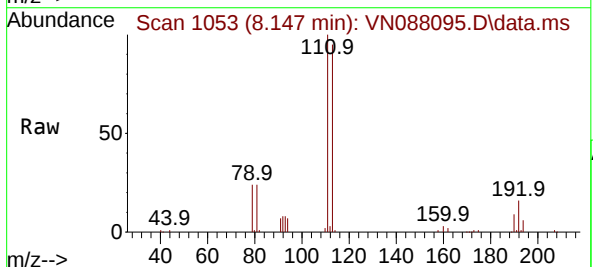
Tgt Ion:113 Resp: 166962

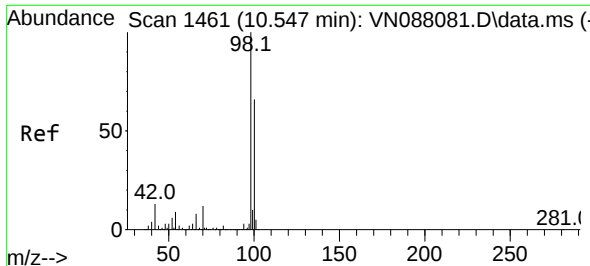
Ion Ratio Lower Upper

113 100

111 102.5 82.8 124.2

192 16.1 12.8 19.2

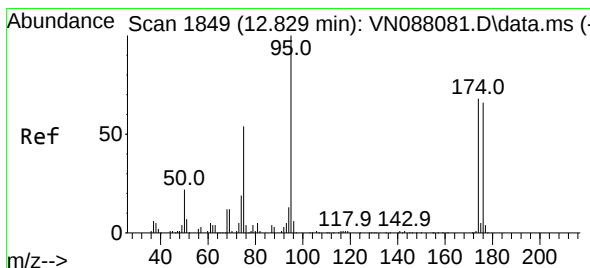
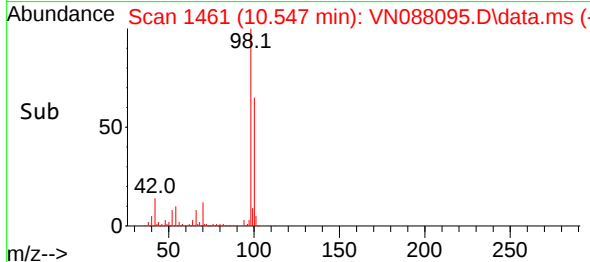
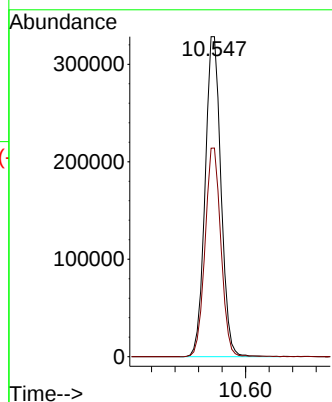
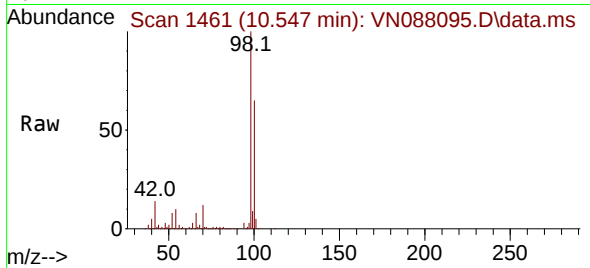




#50
Toluene-d8
Concen: 49.530 ug/l
RT: 10.547 min Scan# 1461
Delta R.T. -0.000 min
Lab File: VN088095.D
Acq: 24 Oct 2025 15:39

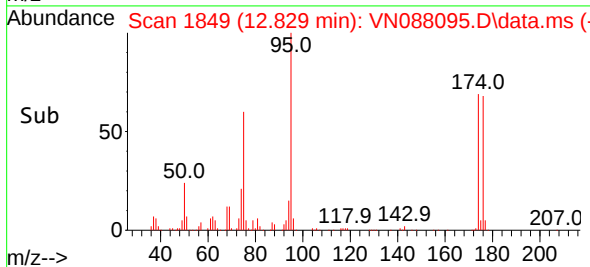
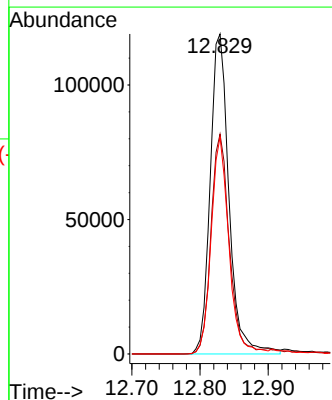
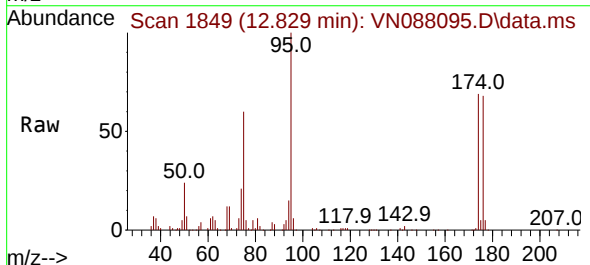
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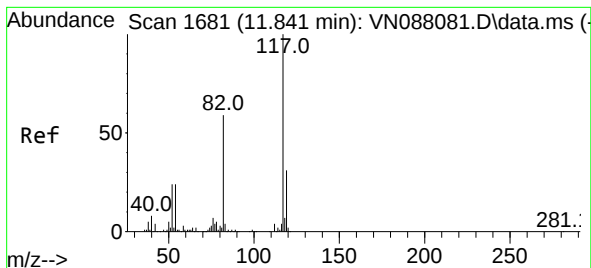
Tgt Ion: 98 Resp: 615294
Ion Ratio Lower Upper
98 100
100 65.2 52.8 79.2



#62
4-Bromofluorobenzene
Concen: 52.007 ug/l
RT: 12.829 min Scan# 1849
Delta R.T. 0.006 min
Lab File: VN088095.D
Acq: 24 Oct 2025 15:39

Tgt Ion: 95 Resp: 228168
Ion Ratio Lower Upper
95 100
174 67.1 0.0 138.4
176 64.0 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: VN088095.D

Acq: 24 Oct 2025 15:39

Instrument :

MSVOA_N

ClientSampleId :

STORAGE-BLANK-SAMPLE-MANAGEMENT

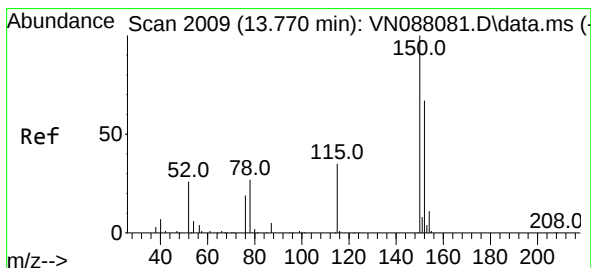
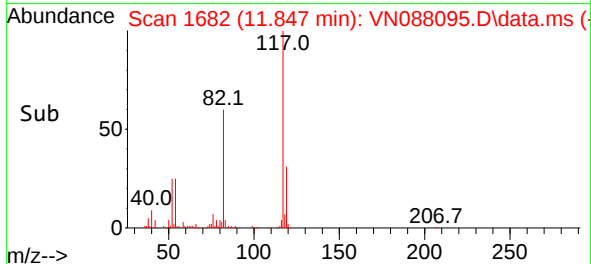
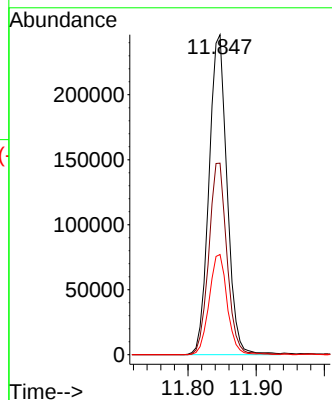
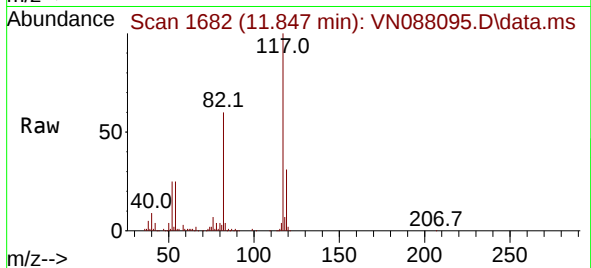
Tgt Ion:117 Resp: 453957

Ion Ratio Lower Upper

117 100

82 59.8 47.4 71.2

119 31.3 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: VN088095.D

Acq: 24 Oct 2025 15:39

Tgt Ion:152 Resp: 217438

Ion Ratio Lower Upper

152 100

115 64.8 32.3 96.8

150 155.7 0.0 351.0

