

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN080525\
 Data File : VN087457.D
 Acq On : 05 Aug 2025 15:22
 Operator : JC\MD
 Sample : IBLK
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 IBLK

Quant Time: Aug 06 02:11:49 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\624N080525W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Wed Aug 06 02:01:21 2025
 Response via : Initial Calibration

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

Internal Standards						
1) Bromochloromethane	7.800	128	68575	30.000	ug/l	0.00
28) 1,4-Difluorobenzene	9.082	114	386333	30.000	ug/l	0.00
57) Chlorobenzene-d5	11.847	117	333546	30.000	ug/l	0.00
System Monitoring Compounds						
27) 1,2-Dichloroethane-d4	8.565	65	190112	30.057	ug/l	0.00
Spiked Amount	30.000	Range	91 - 110	Recovery	= 100.200%	
60) 4-Bromofluorobenzene	12.829	95	170950	29.782	ug/l	0.00
Spiked Amount	30.000	Range	63 - 112	Recovery	= 99.267%	
63) Toluene-d8	10.547	98	477536	31.115	ug/l	0.00
Spiked Amount	30.000	Range	91 - 112	Recovery	= 103.733%	

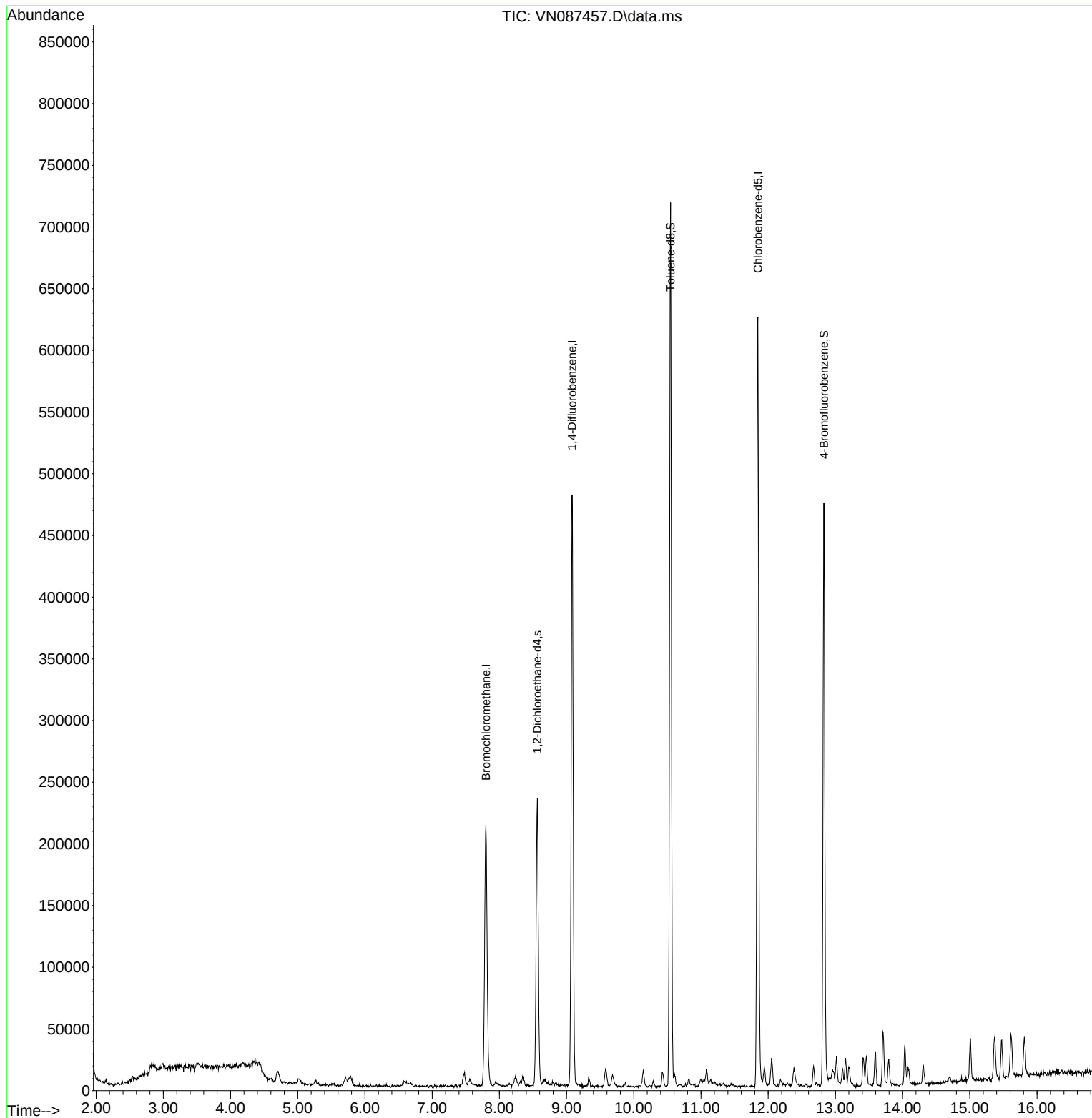
Target Compounds	Qvalue

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

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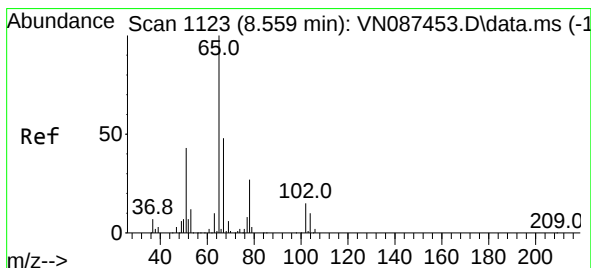
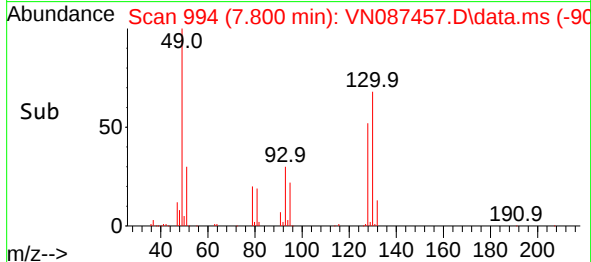
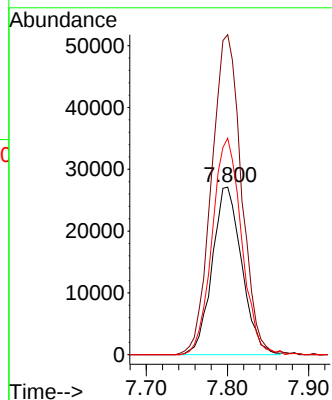
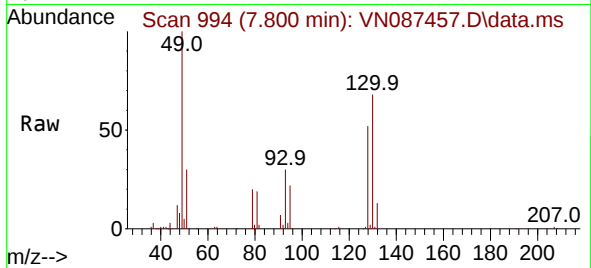




#1
Bromochloromethane
Concen: 30.000 ug/l
RT: 7.800 min Scan# 994
Delta R.T. 0.000 min
Lab File: VN087457.D
Acq: 05 Aug 2025 15:22

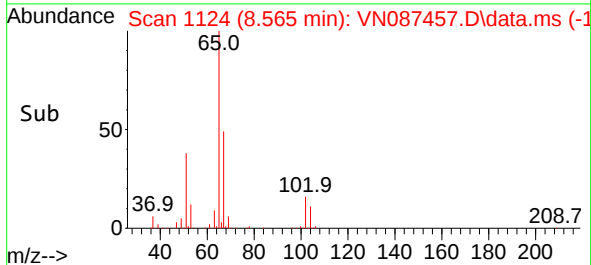
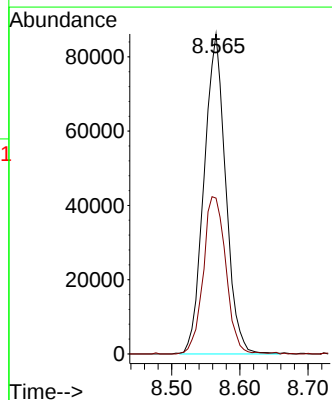
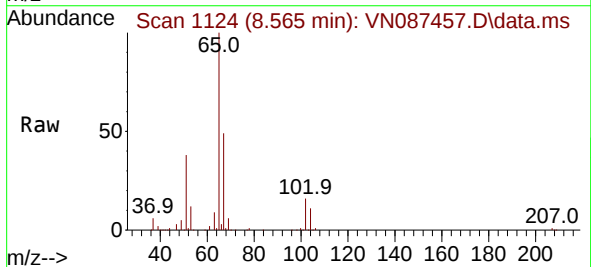
Instrument :
MSVOA_N
ClientSampleId :
IBLK

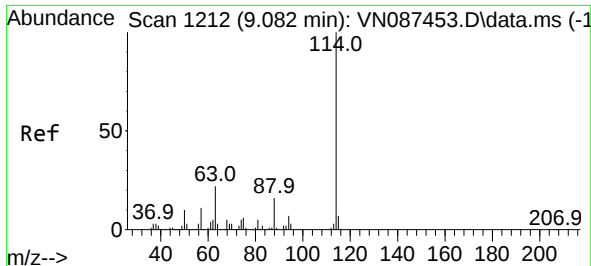
Tgt Ion:128 Resp: 68575
Ion Ratio Lower Upper
128 100
49 193.0 0.0 494.8
130 128.3 0.0 321.5



#27
1,2-Dichloroethane-d4
Concen: 30.057 ug/l
RT: 8.565 min Scan# 1124
Delta R.T. 0.006 min
Lab File: VN087457.D
Acq: 05 Aug 2025 15:22

Tgt Ion: 65 Resp: 190112
Ion Ratio Lower Upper
65 100
67 51.2 40.8 61.2





#28

1,4-Difluorobenzene

Concen: 30.000 ug/l

RT: 9.082 min Scan# 11

Delta R.T. 0.000 min

Lab File: VN087457.D

Acq: 05 Aug 2025 15:22

Instrument :

MSVOA_N

ClientSampleId :

IBLK

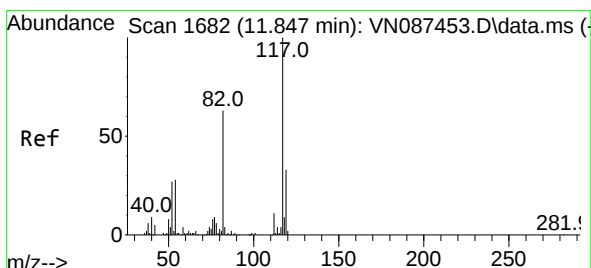
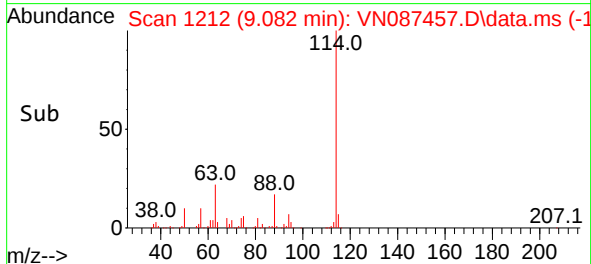
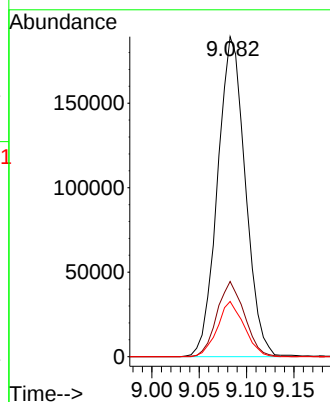
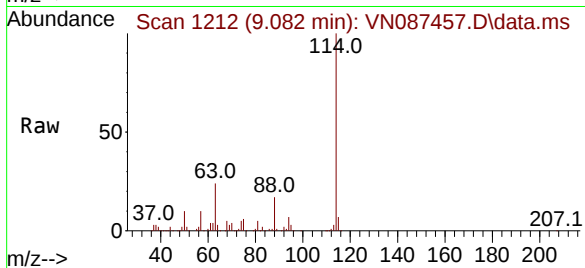
Tgt Ion:114 Resp: 386333

Ion Ratio Lower Upper

114 100

63 23.3 18.9 28.3

88 16.6 13.1 19.7



#57

Chlorobenzene-d5

Concen: 30.000 ug/l

RT: 11.847 min Scan# 1682

Delta R.T. 0.000 min

Lab File: VN087457.D

Acq: 05 Aug 2025 15:22

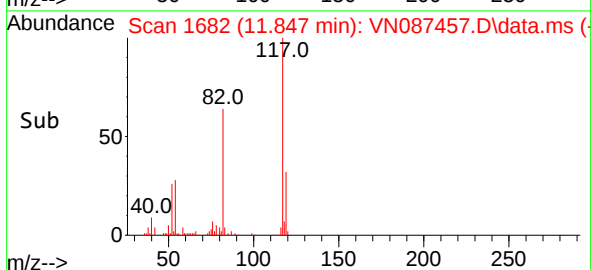
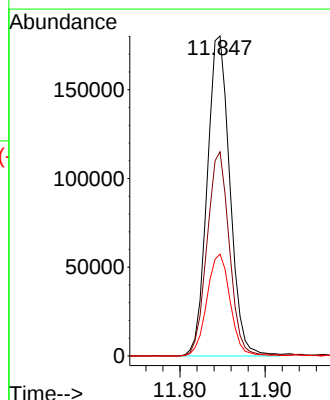
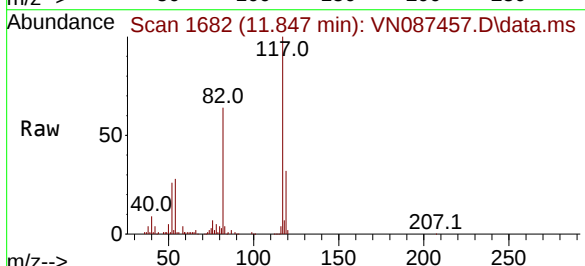
Tgt Ion:117 Resp: 333546

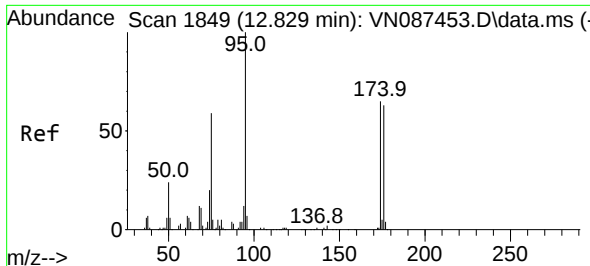
Ion Ratio Lower Upper

117 100

82 62.5 49.2 73.8

119 32.6 25.7 38.5

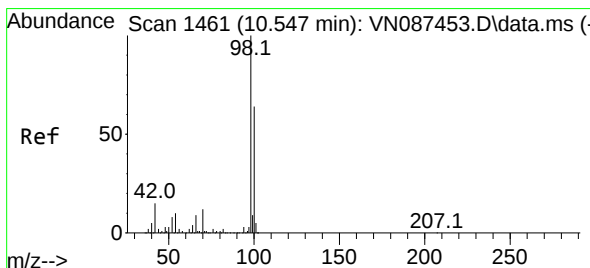
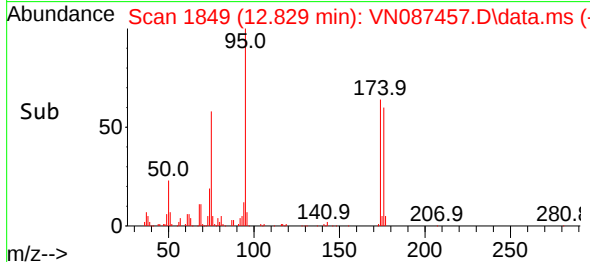
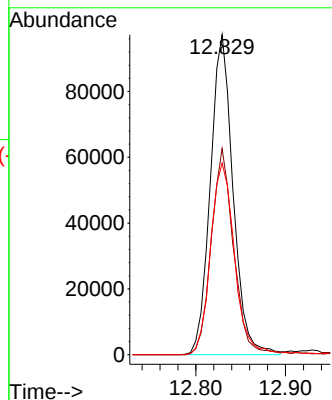
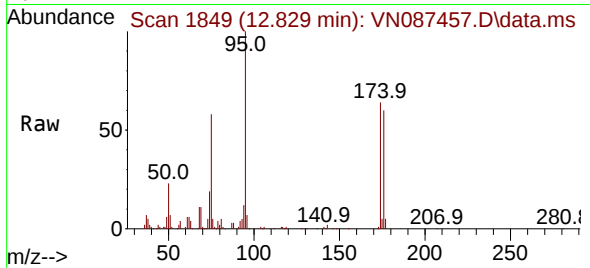




#60
4-Bromofluorobenzene
Concen: 29.782 ug/l
RT: 12.829 min Scan# 1849
Delta R.T. 0.000 min
Lab File: VN087457.D
Acq: 05 Aug 2025 15:22

Instrument :
MSVOA_N
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Tgt Ion: 95 Resp: 170950
Ion Ratio Lower Upper
95 100
174 63.4 52.3 78.5
176 63.5 49.8 74.8



#63
Toluene-d8
Concen: 31.115 ug/l
RT: 10.547 min Scan# 1461
Delta R.T. 0.000 min
Lab File: VN087457.D
Acq: 05 Aug 2025 15:22

Tgt Ion: 98 Resp: 477536
Ion Ratio Lower Upper
98 100
100 65.0 50.5 75.7

