

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN072825\
 Data File : VN087428.D
 Acq On : 28 Jul 2025 13:22
 Operator : JC\MD
 Sample : VN0728WBL01
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0728WBL01

Quant Time: Jul 28 13:41:09 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\624N072825W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Mon Jul 28 11:35:47 2025
 Response via : Initial Calibration

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

Internal Standards						
1) Bromochloromethane	7.800	128	71572	30.000	ug/l	0.00
28) 1,4-Difluorobenzene	9.082	114	407686	30.000	ug/l	0.00
57) Chlorobenzene-d5	11.847	117	348117	30.000	ug/l	0.00

System Monitoring Compounds						
27) 1,2-Dichloroethane-d4	8.565	65	164125	29.988	ug/l	0.00
Spiked Amount	30.000	Range	91 - 110	Recovery	=	99.967%
60) 4-Bromofluorobenzene	12.829	95	163739	28.643	ug/l	0.00
Spiked Amount	30.000	Range	63 - 112	Recovery	=	95.467%
63) Toluene-d8	10.547	98	490872	30.705	ug/l	0.00
Spiked Amount	30.000	Range	91 - 112	Recovery	=	102.333%

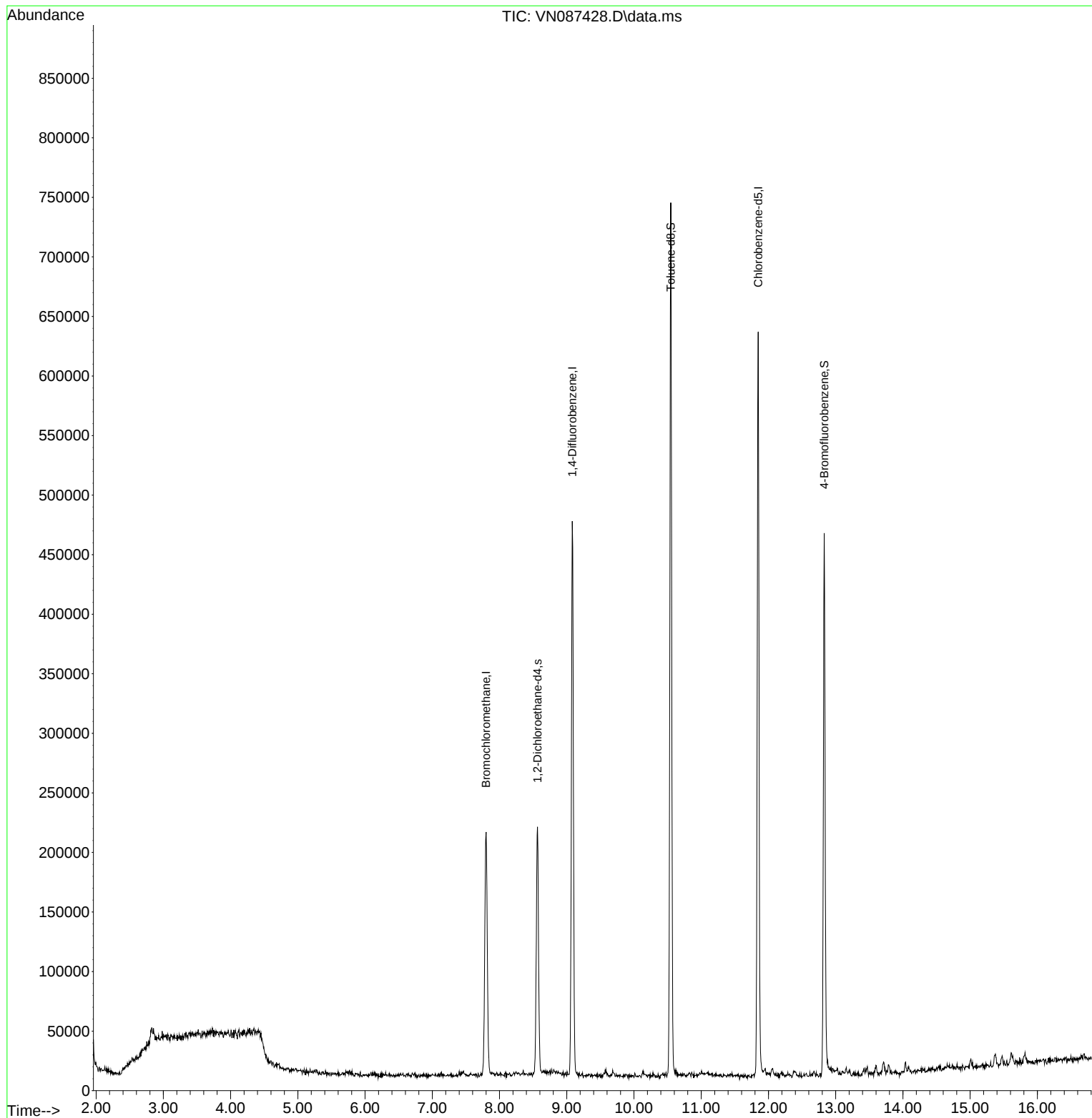
Target Compounds	Qvalue

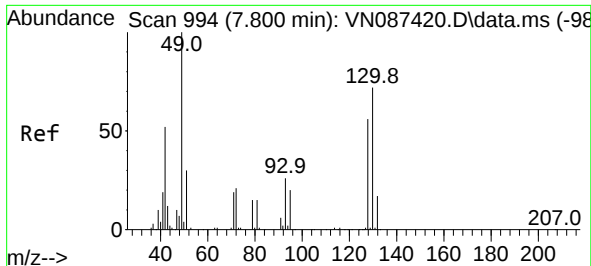
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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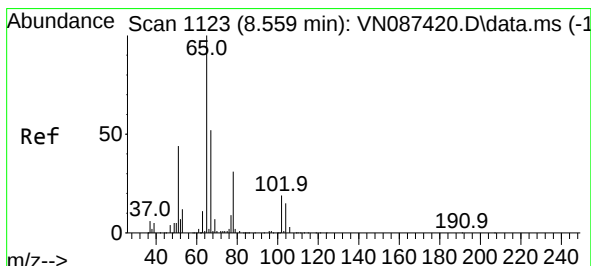
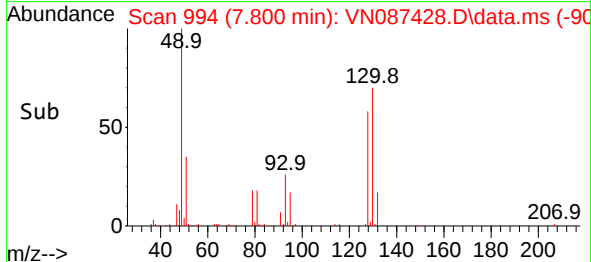
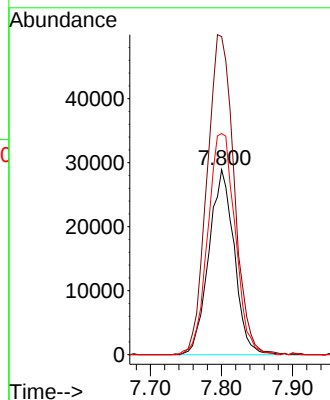
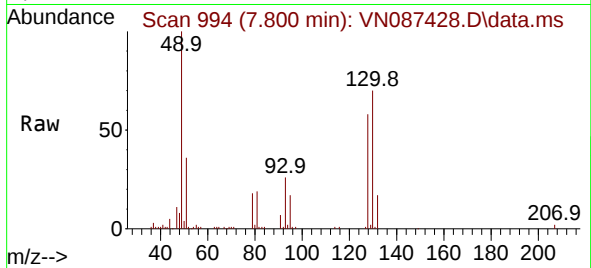




#1
Bromochloromethane
Concen: 30.000 ug/l
RT: 7.800 min Scan# 994
Delta R.T. 0.000 min
Lab File: VN087428.D
Acq: 28 Jul 2025 13:22

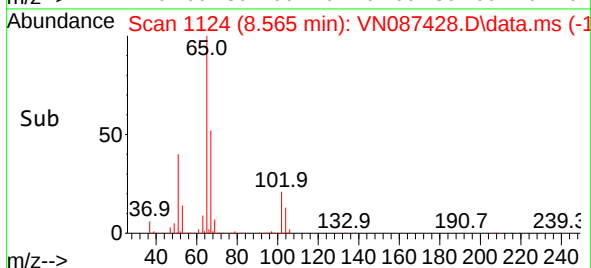
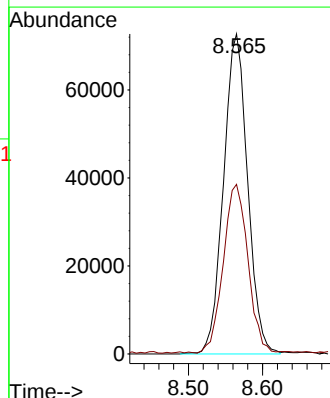
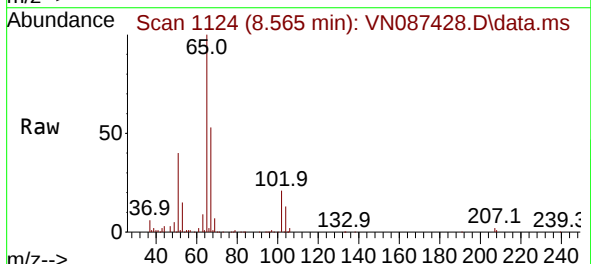
Instrument :
MSVOA_N
ClientSampleId :
VN0728WBL01

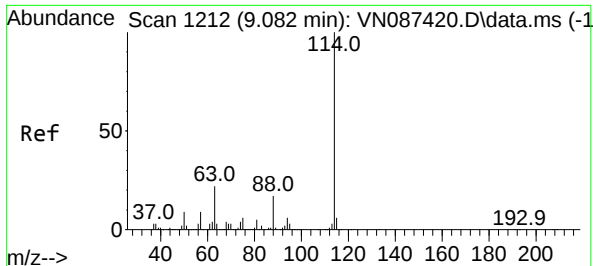
Tgt Ion:128 Resp: 71572
Ion Ratio Lower Upper
128 100
49 184.2 0.0 457.3
130 129.2 0.0 316.0



#27
1,2-Dichloroethane-d4
Concen: 29.988 ug/l
RT: 8.565 min Scan# 1124
Delta R.T. 0.006 min
Lab File: VN087428.D
Acq: 28 Jul 2025 13:22

Tgt Ion: 65 Resp: 164125
Ion Ratio Lower Upper
65 100
67 54.0 42.3 63.5





#28

1,4-Difluorobenzene

Concen: 30.000 ug/l

RT: 9.082 min Scan# 1114

Delta R.T. 0.000 min

Lab File: VN087428.D

Acq: 28 Jul 2025 13:22

Instrument :

MSVOA_N

ClientSampleId :

VN0728WBL01

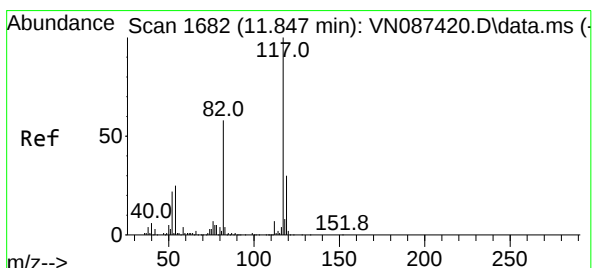
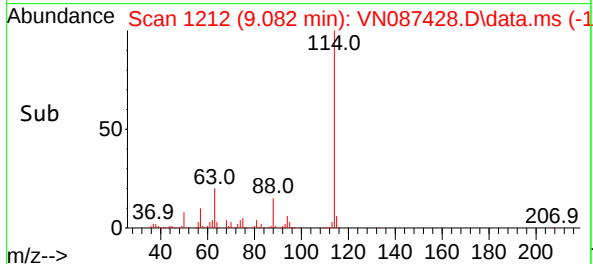
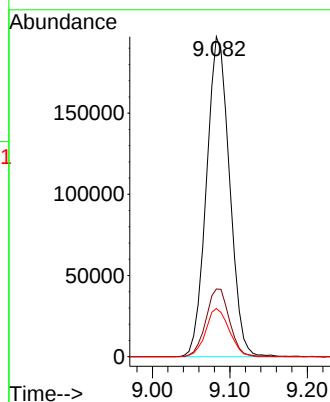
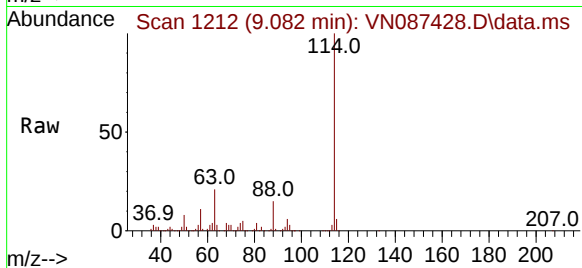
Tgt Ion:114 Resp: 407686

Ion Ratio Lower Upper

114 100

63 21.5 17.8 26.6

88 15.3 13.0 19.4



#57

Chlorobenzene-d5

Concen: 30.000 ug/l

RT: 11.847 min Scan# 1682

Delta R.T. 0.000 min

Lab File: VN087428.D

Acq: 28 Jul 2025 13:22

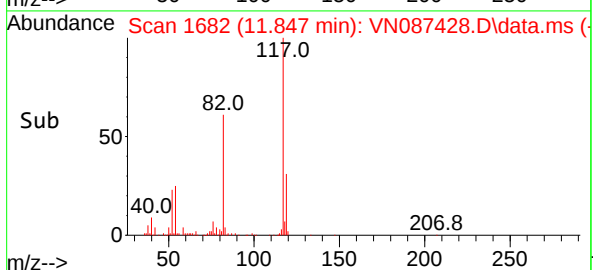
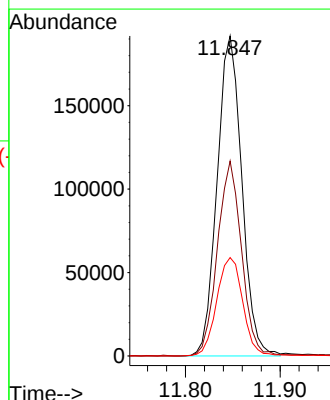
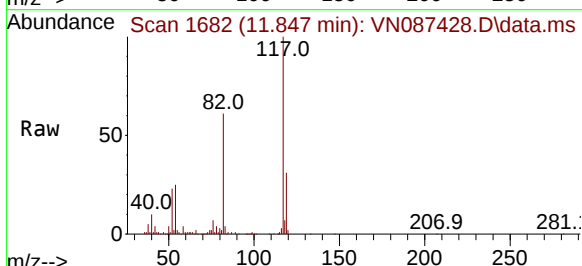
Tgt Ion:117 Resp: 348117

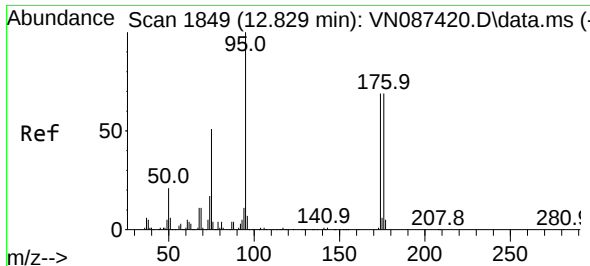
Ion Ratio Lower Upper

117 100

82 59.4 46.2 69.4

119 32.3 25.7 38.5

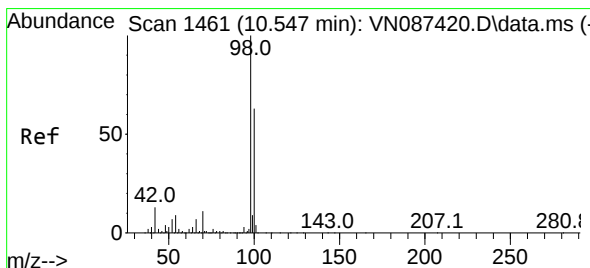
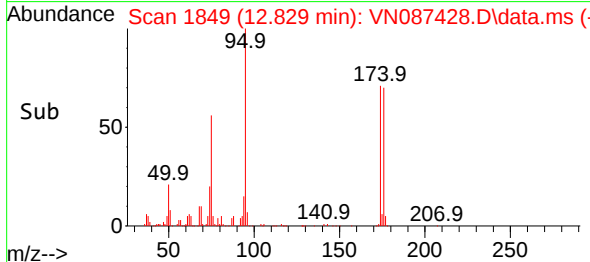
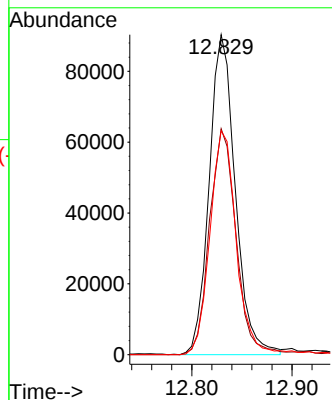
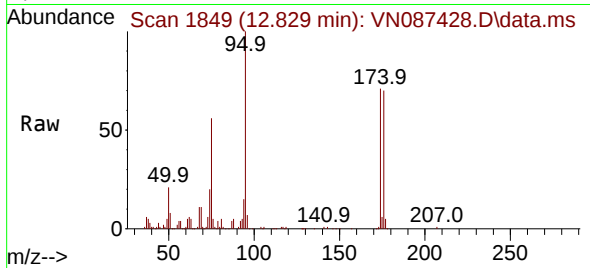




#60
4-Bromofluorobenzene
Concen: 28.643 ug/l
RT: 12.829 min Scan# 1849
Delta R.T. 0.000 min
Lab File: VN087428.D
Acq: 28 Jul 2025 13:22

Instrument :
MSVOA_N
ClientSampleId :
VN0728WBL01

Tgt Ion: 95 Resp: 163739
Ion Ratio Lower Upper
95 100
174 71.5 57.8 86.8
176 70.8 54.9 82.3



#63
Toluene-d8
Concen: 30.705 ug/l
RT: 10.547 min Scan# 1461
Delta R.T. 0.000 min
Lab File: VN087428.D
Acq: 28 Jul 2025 13:22

Tgt Ion: 98 Resp: 490872
Ion Ratio Lower Upper
98 100
100 62.8 50.7 76.1

