

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN112025\
 Data File : VN088329.D
 Acq On : 20 Nov 2025 14:07
 Operator : JC\MD
 Sample : IBLK
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 IBLK

Quant Time: Nov 21 03:02:25 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\624N111325W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Fri Nov 14 00:49:21 2025
 Response via : Initial Calibration

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

Internal Standards						
1) Bromochloromethane	7.800	128	58011	30.000	ug/l	0.00
28) 1,4-Difluorobenzene	9.082	114	282548	30.000	ug/l	0.00
57) Chlorobenzene-d5	11.847	117	249675	30.000	ug/l	0.00

System Monitoring Compounds						
27) 1,2-Dichloroethane-d4	8.565	65	151698	28.628	ug/l	0.00
Spiked Amount	30.000	Range	91 - 110	Recovery	=	95.433%
60) 4-Bromofluorobenzene	12.829	95	114441	27.115	ug/l	0.00
Spiked Amount	30.000	Range	63 - 112	Recovery	=	90.367%
63) Toluene-d8	10.547	98	350923	29.688	ug/l	0.00
Spiked Amount	30.000	Range	91 - 112	Recovery	=	98.967%

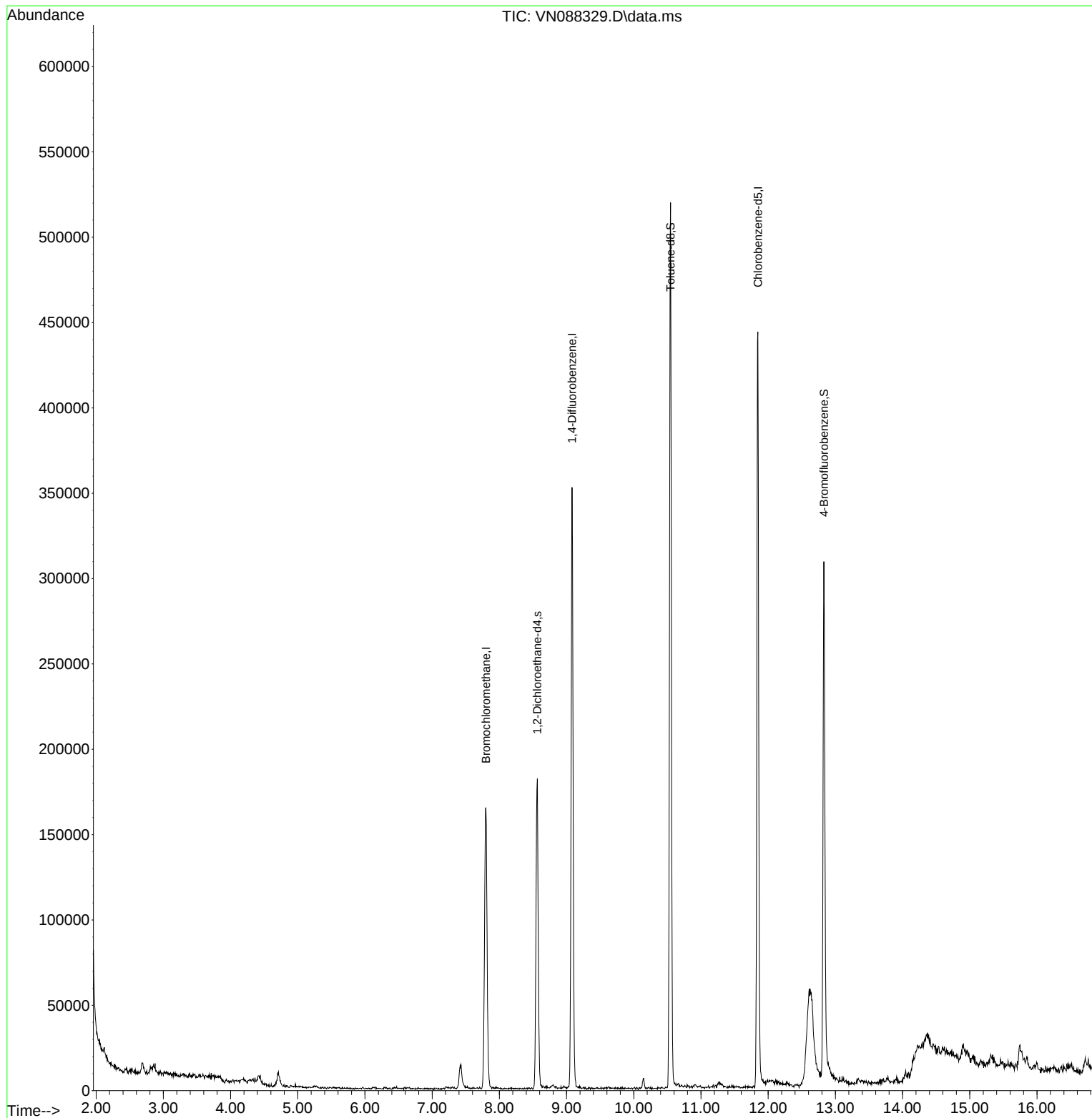
Target Compounds	Qvalue

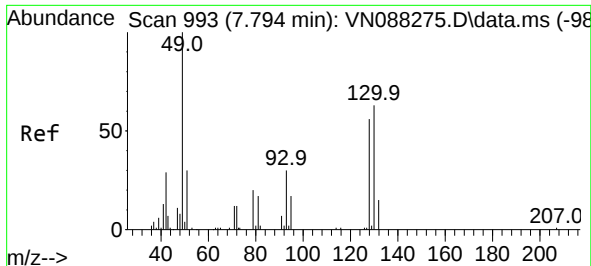
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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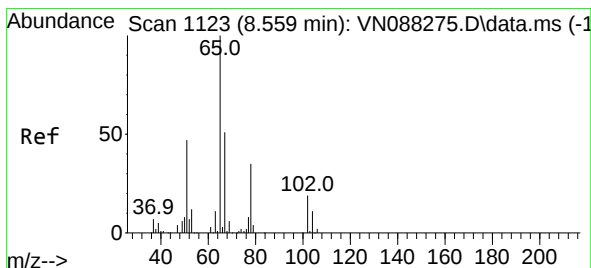
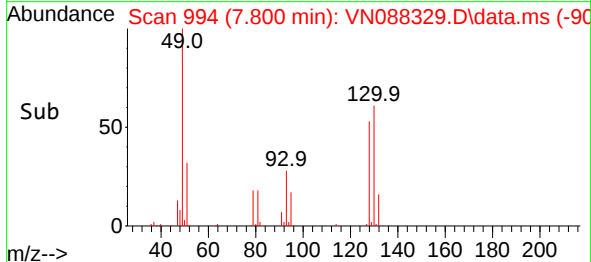
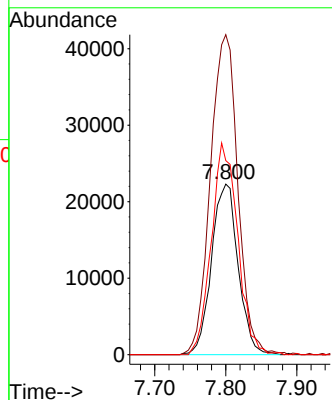
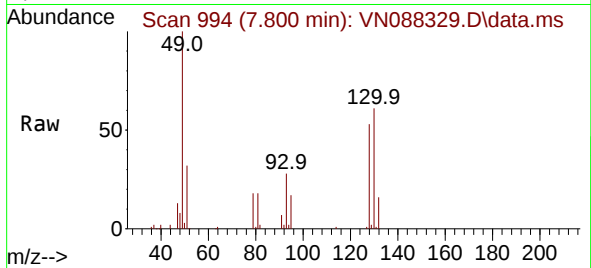




#1
Bromochloromethane
Concen: 30.000 ug/l
RT: 7.800 min Scan# 993
Delta R.T. 0.006 min
Lab File: VN088329.D
Acq: 20 Nov 2025 14:07

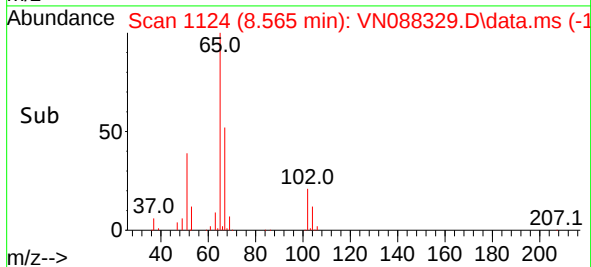
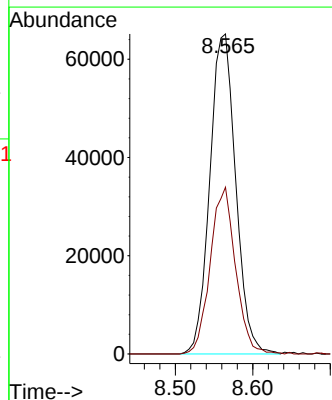
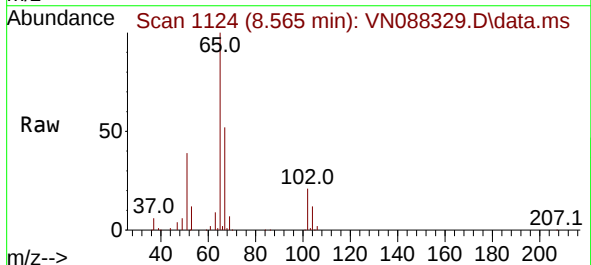
Instrument :
MSVOA_N
ClientSampleId :
IBLK

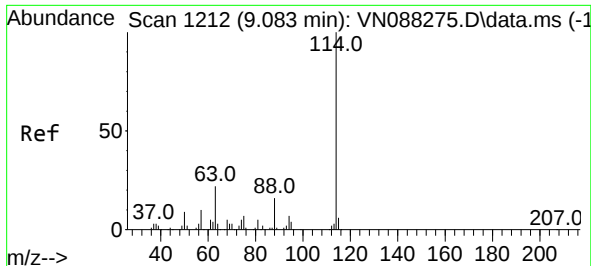
Tgt Ion:128 Resp: 58011
Ion Ratio Lower Upper
128 100
49 192.9 0.0 501.2
130 122.6 0.0 320.2



#27
1,2-Dichloroethane-d4
Concen: 28.628 ug/l
RT: 8.565 min Scan# 1124
Delta R.T. 0.006 min
Lab File: VN088329.D
Acq: 20 Nov 2025 14:07

Tgt Ion: 65 Resp: 151698
Ion Ratio Lower Upper
65 100
67 50.8 40.2 60.2





#28

1,4-Difluorobenzene

Concen: 30.000 ug/l

RT: 9.082 min Scan# 11

Delta R.T. -0.000 min

Lab File: VN088329.D

Acq: 20 Nov 2025 14:07

Instrument :

MSVOA_N

ClientSampleId :

IBLK

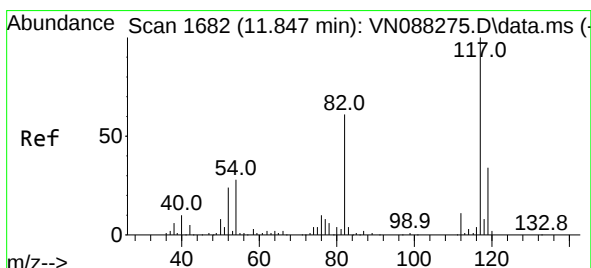
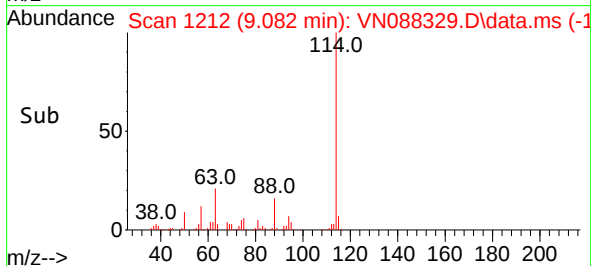
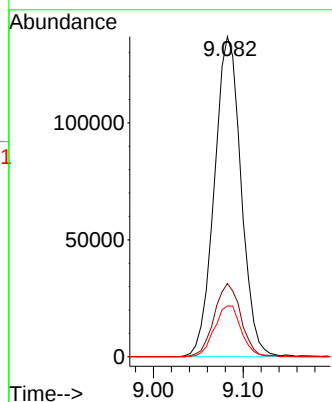
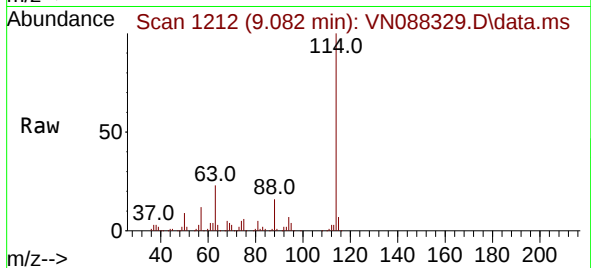
Tgt Ion:114 Resp: 282548

Ion Ratio Lower Upper

114 100

63 22.7 18.9 28.3

88 15.9 12.8 19.2



#57

Chlorobenzene-d5

Concen: 30.000 ug/l

RT: 11.847 min Scan# 1682

Delta R.T. -0.000 min

Lab File: VN088329.D

Acq: 20 Nov 2025 14:07

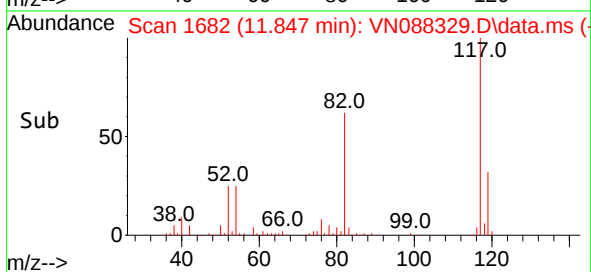
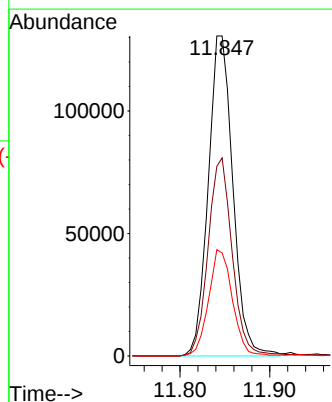
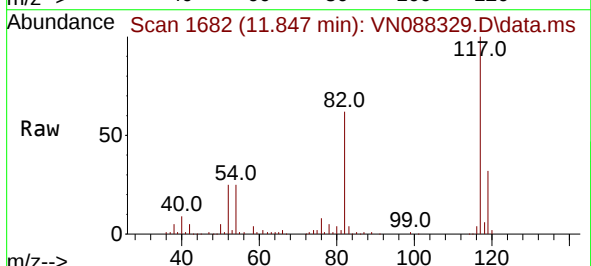
Tgt Ion:117 Resp: 249675

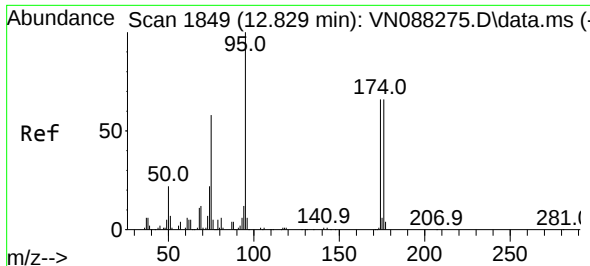
Ion Ratio Lower Upper

117 100

82 60.4 49.3 73.9

119 32.0 26.4 39.6

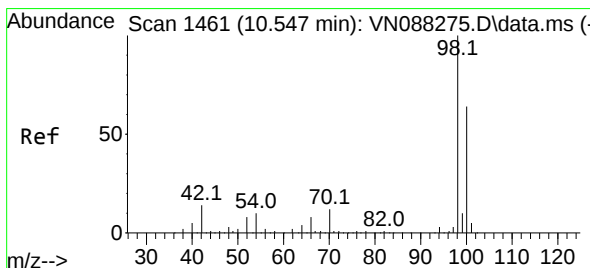
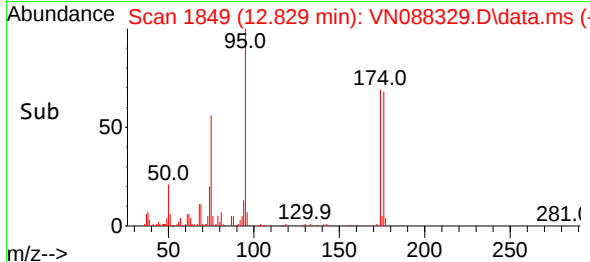
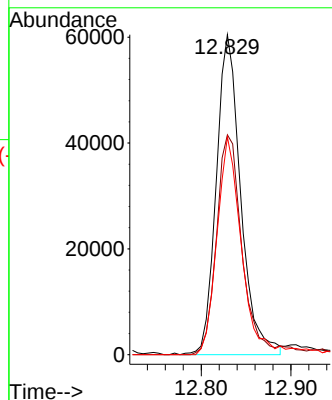
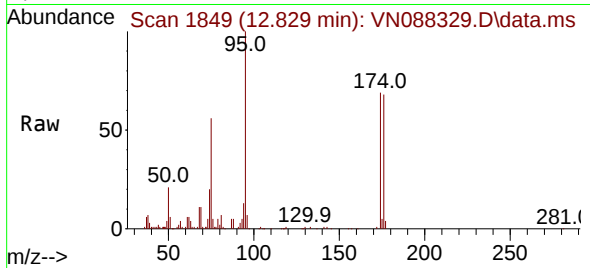




#60
4-Bromofluorobenzene
Concen: 27.115 ug/l
RT: 12.829 min Scan# 1849
Delta R.T. -0.000 min
Lab File: VN088329.D
Acq: 20 Nov 2025 14:07

Instrument :
MSVOA_N
ClientSampleId :
IBLK

Tgt Ion: 95 Resp: 114441
Ion Ratio Lower Upper
95 100
174 70.7 54.5 81.7
176 66.8 53.8 80.6



#63
Toluene-d8
Concen: 29.688 ug/l
RT: 10.547 min Scan# 1461
Delta R.T. -0.000 min
Lab File: VN088329.D
Acq: 20 Nov 2025 14:07

Tgt Ion: 98 Resp: 350923
Ion Ratio Lower Upper
98 100
100 64.0 51.6 77.4

