

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN112025\
 Data File : VN088328.D
 Acq On : 20 Nov 2025 13:46
 Operator : JC\MD
 Sample : IBLK
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 IBLK

Quant Time: Nov 21 03:01:59 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	7.794	128	53000	30.000	ug/l	0.00
28) 1,4-Difluorobenzene	9.082	114	249512	30.000	ug/l	0.00
57) Chlorobenzene-d5	11.847	117	225012	30.000	ug/l	0.00

System Monitoring Compounds						
27) 1,2-Dichloroethane-d4	8.559	65	133828	27.643	ug/l	0.00
Spiked Amount	30.000	Range	91 - 110	Recovery	=	92.133%
60) 4-Bromofluorobenzene	12.829	95	102873	27.045	ug/l	0.00
Spiked Amount	30.000	Range	63 - 112	Recovery	=	90.167%
63) Toluene-d8	10.547	98	314413	29.514	ug/l	0.00
Spiked Amount	30.000	Range	91 - 112	Recovery	=	98.367%

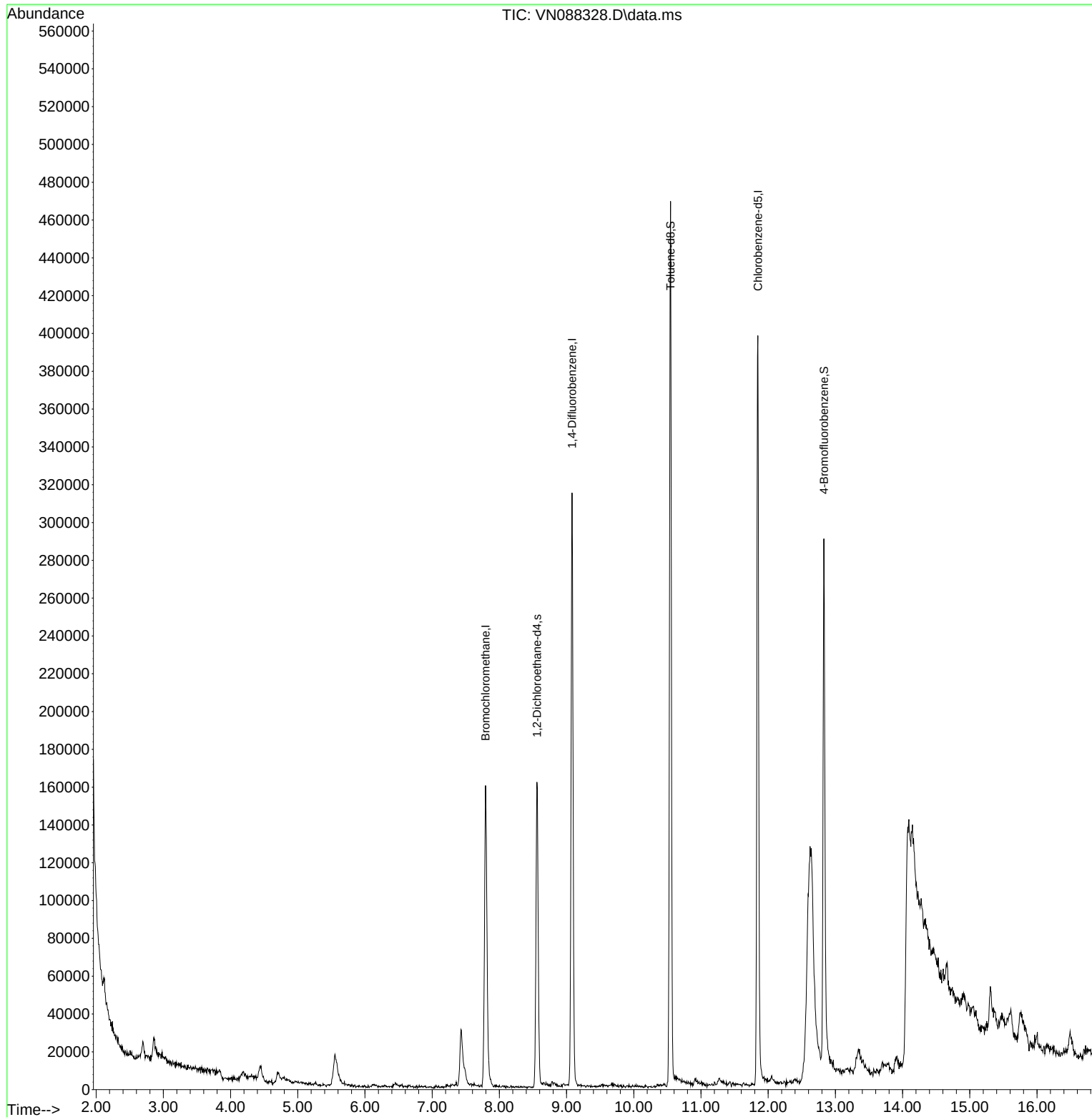
Target Compounds	Qvalue

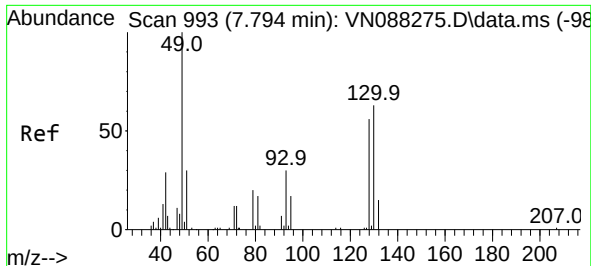
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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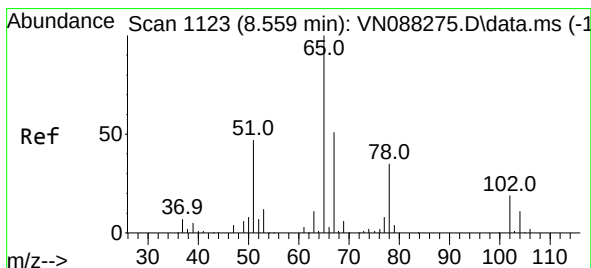
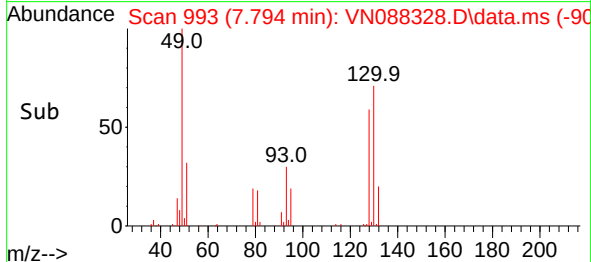
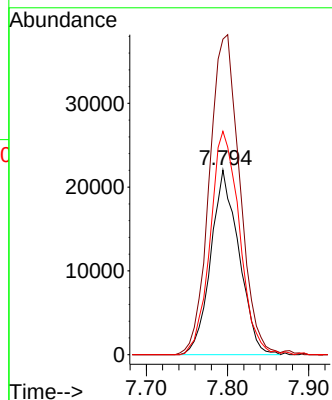
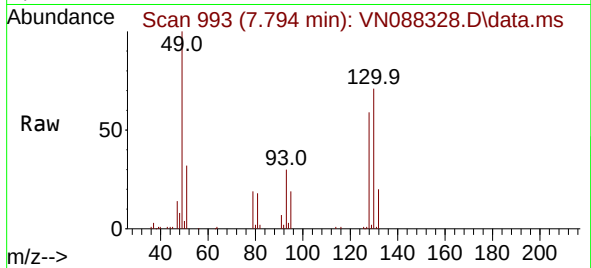




#1
Bromochloromethane
Concen: 30.000 ug/l
RT: 7.794 min Scan# 993
Delta R.T. 0.000 min
Lab File: VN088328.D
Acq: 20 Nov 2025 13:46

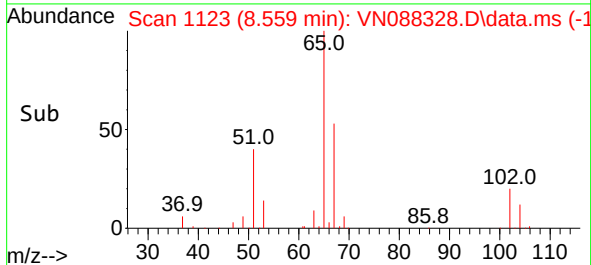
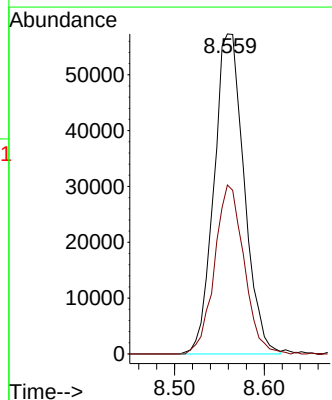
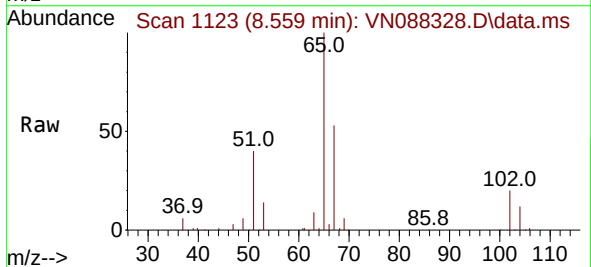
Instrument :
MSVOA_N
ClientSampleId :
IBLK

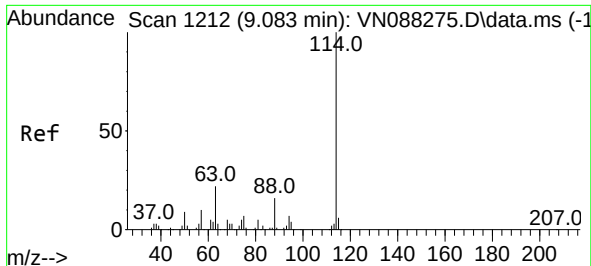
Tgt Ion:128 Resp: 53000
Ion Ratio Lower Upper
128 100
49 187.3 0.0 501.2
130 126.0 0.0 320.2



#27
1,2-Dichloroethane-d4
Concen: 27.643 ug/l
RT: 8.559 min Scan# 1123
Delta R.T. -0.000 min
Lab File: VN088328.D
Acq: 20 Nov 2025 13:46

Tgt Ion: 65 Resp: 133828
Ion Ratio Lower Upper
65 100
67 51.6 40.2 60.2





#28

1,4-Difluorobenzene

Concen: 30.000 ug/l

RT: 9.082 min Scan# 1

Delta R.T. -0.000 min

Lab File: VN088328.D

Acq: 20 Nov 2025 13:46

Instrument :

MSVOA_N

ClientSampleId :

IBLK

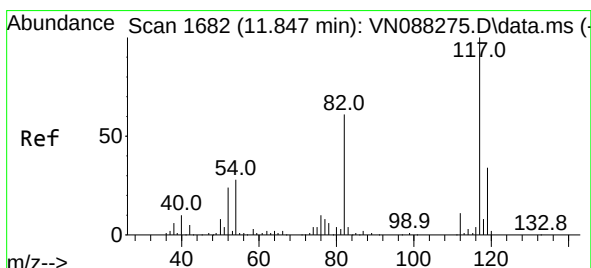
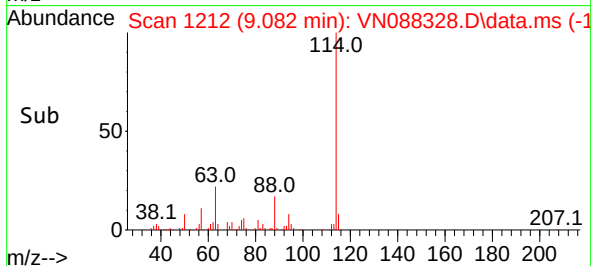
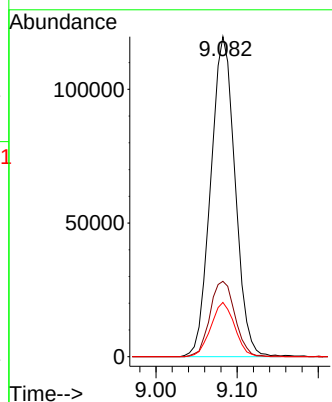
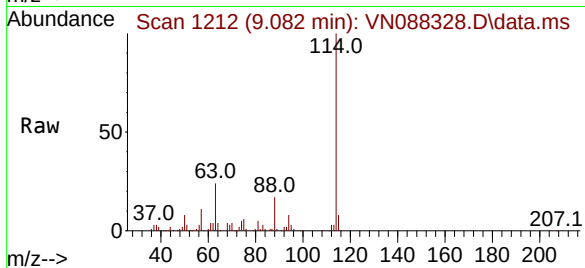
Tgt Ion:114 Resp: 249512

Ion Ratio Lower Upper

114 100

63 24.2 18.9 28.3

88 16.6 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: VN088328.D

Acq: 20 Nov 2025 13:46

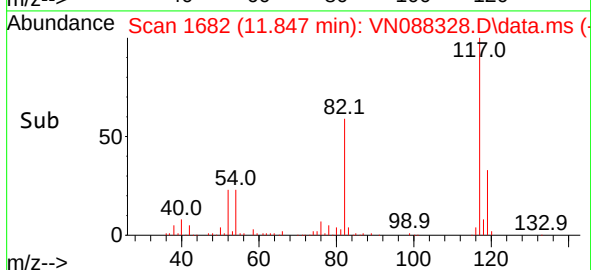
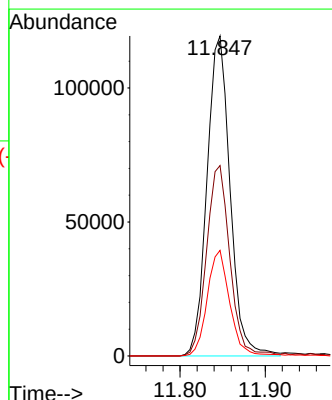
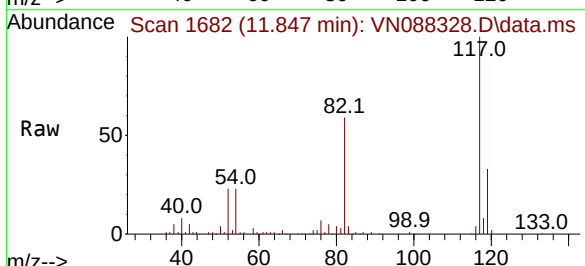
Tgt Ion:117 Resp: 225012

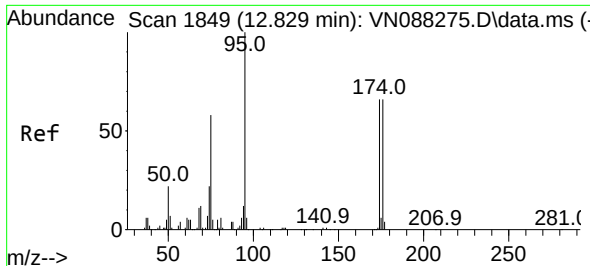
Ion Ratio Lower Upper

117 100

82 59.3 49.3 73.9

119 32.1 26.4 39.6

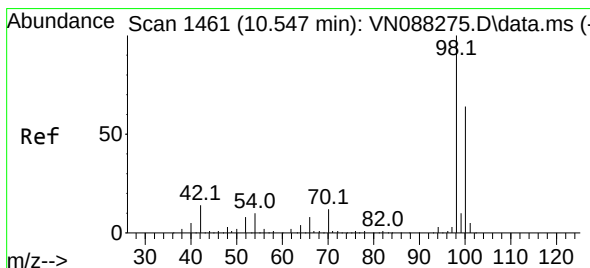
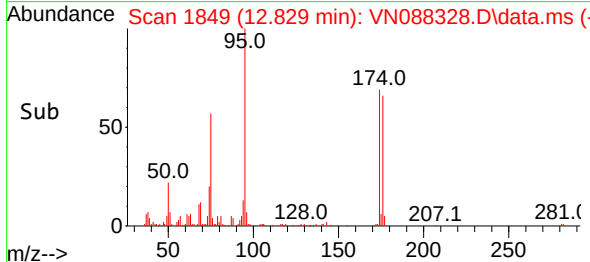
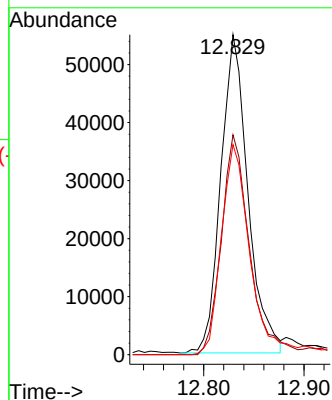
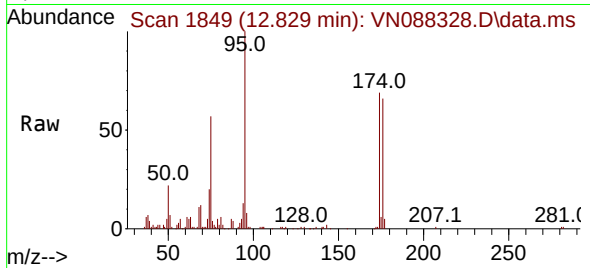




#60
4-Bromofluorobenzene
Concen: 27.045 ug/l
RT: 12.829 min Scan# 1849
Delta R.T. -0.000 min
Lab File: VN088328.D
Acq: 20 Nov 2025 13:46

Instrument :
MSVOA_N
ClientSampleId :
IBLK

Tgt Ion: 95 Resp: 102873
Ion Ratio Lower Upper
95 100
174 71.4 54.5 81.7
176 69.0 53.8 80.6



#63
Toluene-d8
Concen: 29.514 ug/l
RT: 10.547 min Scan# 1461
Delta R.T. -0.000 min
Lab File: VN088328.D
Acq: 20 Nov 2025 13:46

Tgt Ion: 98 Resp: 314413
Ion Ratio Lower Upper
98 100
100 65.1 51.6 77.4

