

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN072325\
 Data File : VN087404.D
 Acq On : 23 Jul 2025 11:53
 Operator : JC\MD
 Sample : IBLK
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 IBLK

Quant Time: Jul 23 14:24:08 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\624N072325W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Wed Jul 23 13:55:58 2025
 Response via : Initial Calibration

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

Internal Standards						
1) Bromochloromethane	7.794	128	28588	30.000	ug/l	-0.03
28) 1,4-Difluorobenzene	9.088	114	144371	30.000	ug/l	-0.02
57) Chlorobenzene-d5	11.847	117	129779	30.000	ug/l	-0.02

System Monitoring Compounds						
27) 1,2-Dichloroethane-d4	8.565	65	73040	30.873	ug/l	-0.02
Spiked Amount	30.000	Range	91 - 110	Recovery	=	102.900%
60) 4-Bromofluorobenzene	12.829	95	54175	25.035	ug/l	-0.02
Spiked Amount	30.000	Range	63 - 112	Recovery	=	83.467%
63) Toluene-d8	10.547	98	174693	29.237	ug/l	-0.02
Spiked Amount	30.000	Range	91 - 112	Recovery	=	97.467%

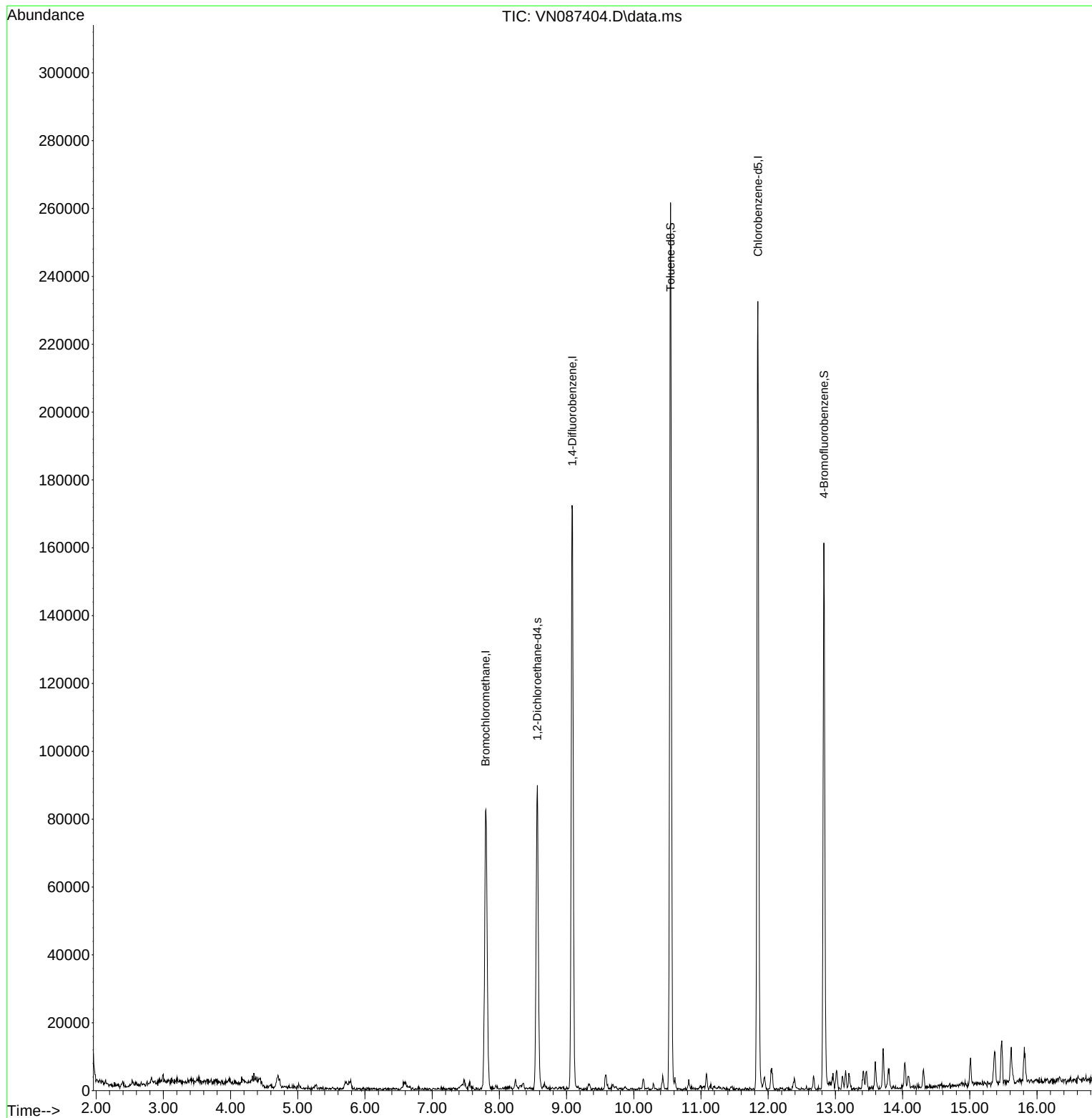
Target Compounds	Qvalue

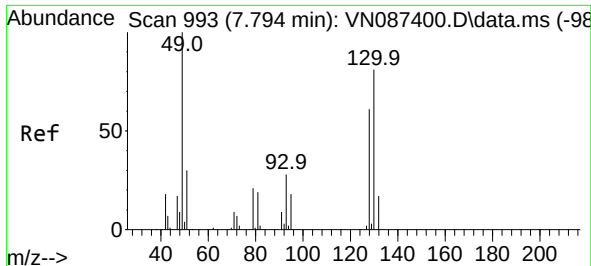
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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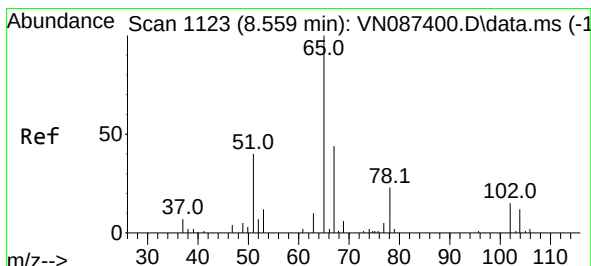
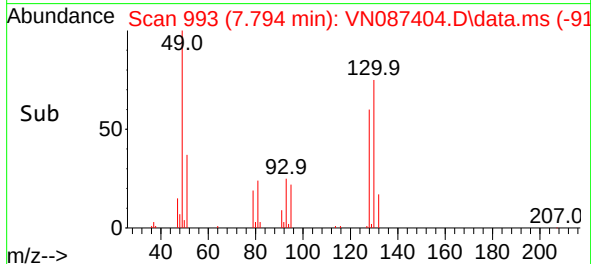
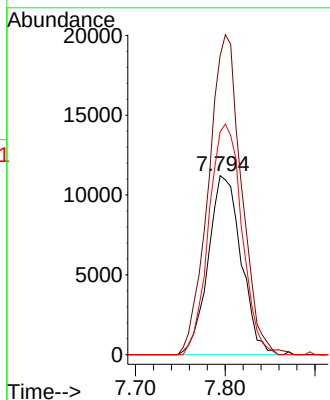
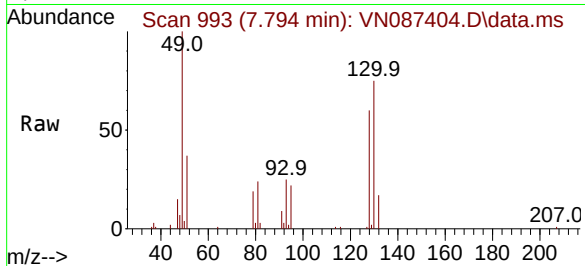




#1
Bromochloromethane
Concen: 30.000 ug/l
RT: 7.794 min Scan# 993
Delta R.T. -0.030 min
Lab File: VN087404.D
Acq: 23 Jul 2025 11:53

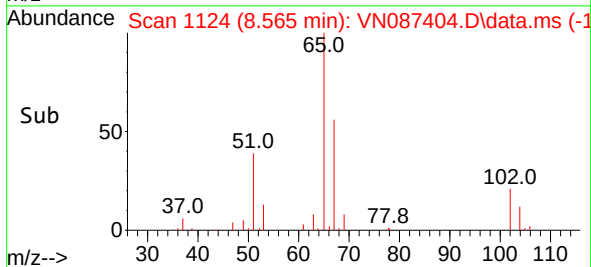
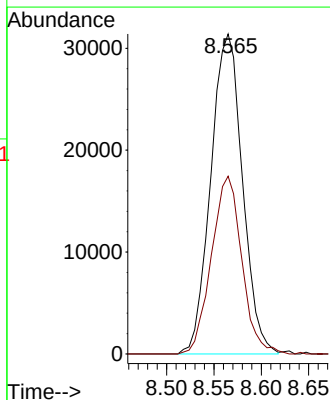
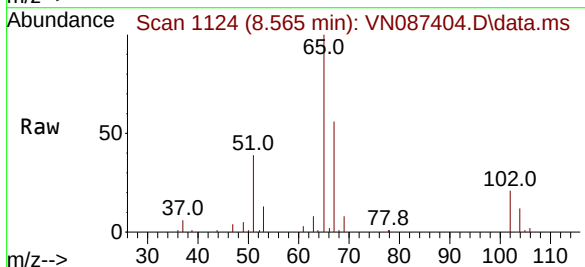
Instrument :
MSVOA_N
ClientSampleId :
IBLK

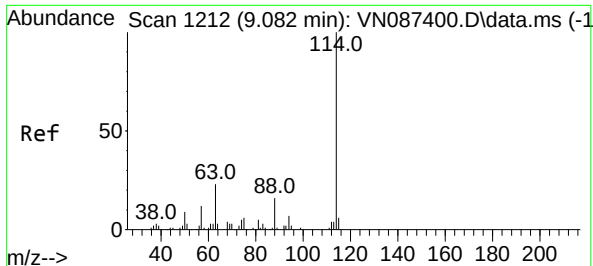
Tgt Ion:128 Resp: 28588
Ion Ratio Lower Upper
128 100
49 178.6 0.0 450.5
130 129.4 0.0 320.7



#27
1,2-Dichloroethane-d4
Concen: 30.873 ug/l
RT: 8.565 min Scan# 1124
Delta R.T. -0.018 min
Lab File: VN087404.D
Acq: 23 Jul 2025 11:53

Tgt Ion: 65 Resp: 73040
Ion Ratio Lower Upper
65 100
67 53.2 41.9 62.9





#28

1,4-Difluorobenzene

Concen: 30.000 ug/l

RT: 9.088 min Scan# 11

Delta R.T. -0.018 min

Lab File: VN087404.D

Acq: 23 Jul 2025 11:53

Instrument :

MSVOA_N

ClientSampleId :

IBLK

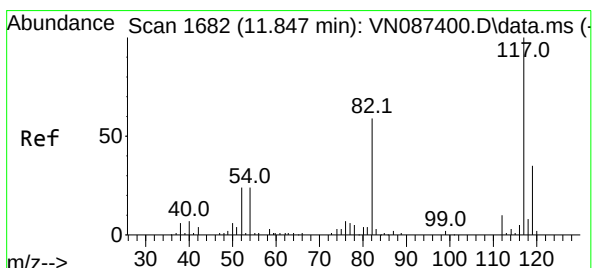
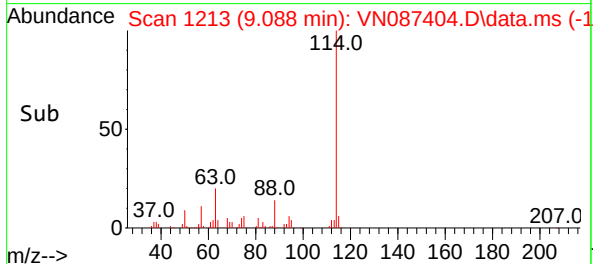
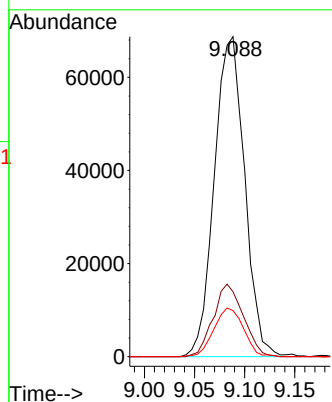
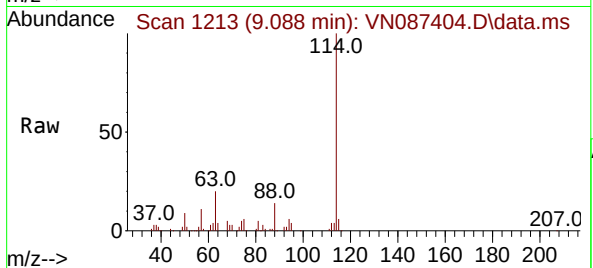
Tgt Ion:114 Resp: 144371

Ion Ratio Lower Upper

114 100

63 22.5 17.0 25.4

88 15.0 12.6 19.0



#57

Chlorobenzene-d5

Concen: 30.000 ug/l

RT: 11.847 min Scan# 1682

Delta R.T. -0.018 min

Lab File: VN087404.D

Acq: 23 Jul 2025 11:53

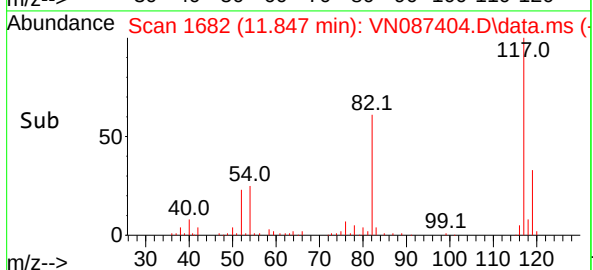
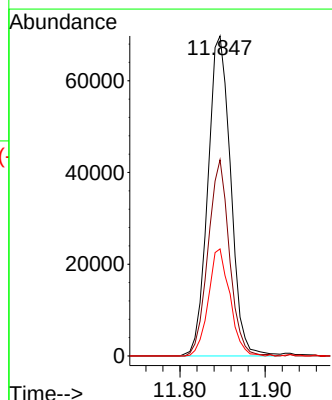
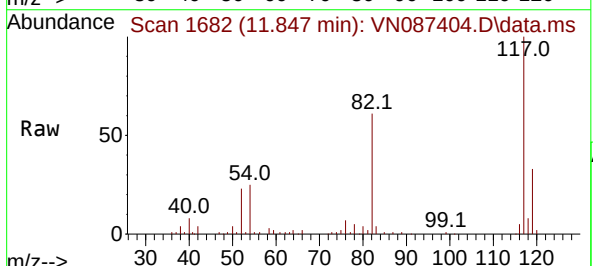
Tgt Ion:117 Resp: 129779

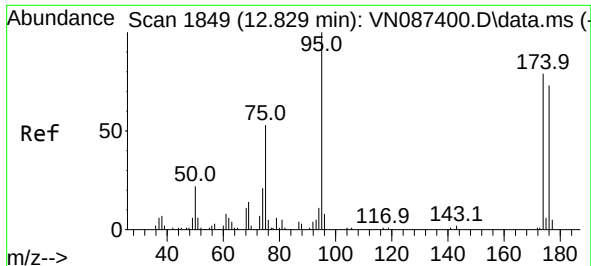
Ion Ratio Lower Upper

117 100

82 57.2 45.4 68.2

119 31.7 26.2 39.4

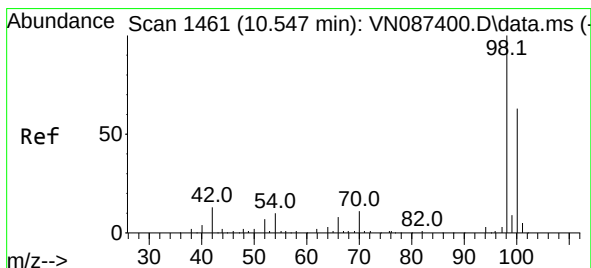
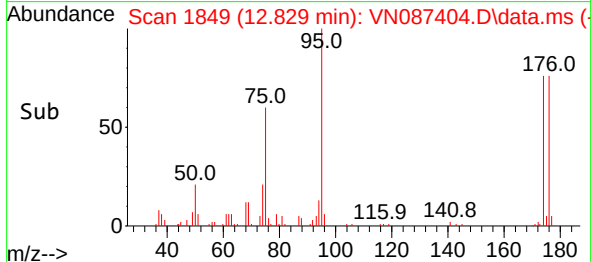
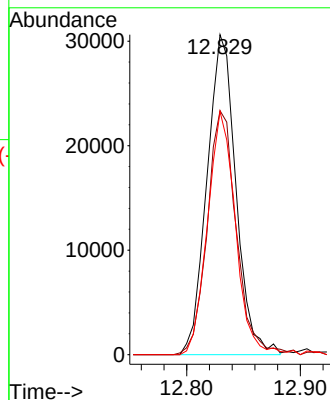
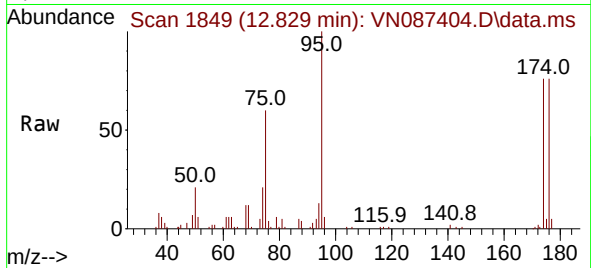




#60
4-Bromofluorobenzene
Concen: 25.035 ug/l
RT: 12.829 min Scan# 1849
Delta R.T. -0.018 min
Lab File: VN087404.D
Acq: 23 Jul 2025 11:53

Instrument :
MSVOA_N
ClientSampleId :
IBLK

Tgt Ion: 95 Resp: 54175
Ion Ratio Lower Upper
95 100
174 77.1 54.5 81.7
176 73.4 51.9 77.9



#63
Toluene-d8
Concen: 29.237 ug/l
RT: 10.547 min Scan# 1461
Delta R.T. -0.018 min
Lab File: VN087404.D
Acq: 23 Jul 2025 11:53

Tgt Ion: 98 Resp: 174693
Ion Ratio Lower Upper
98 100
100 63.1 52.5 78.7

