

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN091725\
 Data File : VN087877.D
 Acq On : 17 Sep 2025 14:14
 Operator : JC\MD
 Sample : IBLK
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 IBLK

Quant Time: Sep 18 03:11:15 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\624N090425W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Fri Sep 05 03:29:53 2025
 Response via : Initial Calibration

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

Internal Standards						
1) Bromochloromethane	7.800	128	45625	30.000	ug/l	0.00
28) 1,4-Difluorobenzene	9.082	114	234695	30.000	ug/l	0.00
57) Chlorobenzene-d5	11.847	117	215584	30.000	ug/l	0.00

System Monitoring Compounds						
27) 1,2-Dichloroethane-d4	8.559	65	120082	30.811	ug/l	0.00
Spiked Amount	30.000	Range	91 - 110	Recovery	=	102.700%
60) 4-Bromofluorobenzene	12.829	95	84836	24.474	ug/l	0.00
Spiked Amount	30.000	Range	63 - 112	Recovery	=	81.567%
63) Toluene-d8	10.547	98	289490	28.874	ug/l	0.00
Spiked Amount	30.000	Range	91 - 112	Recovery	=	96.233%

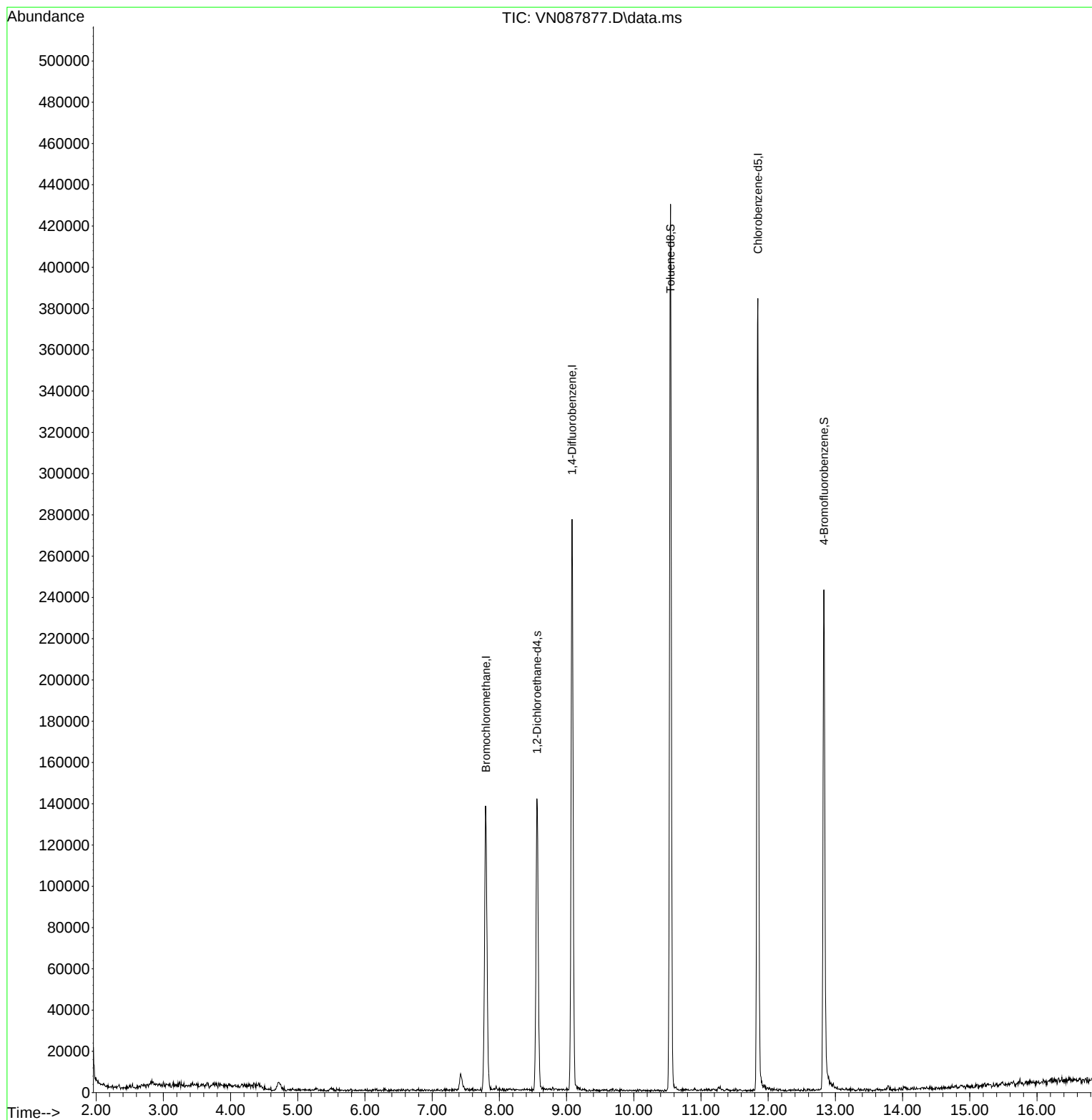
Target Compounds	Qvalue

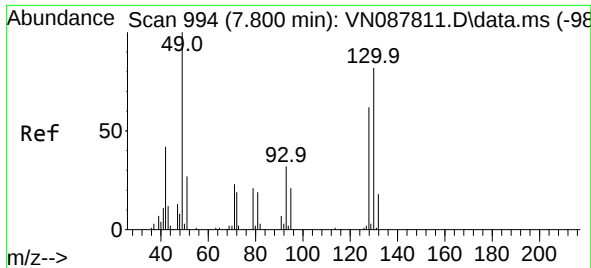
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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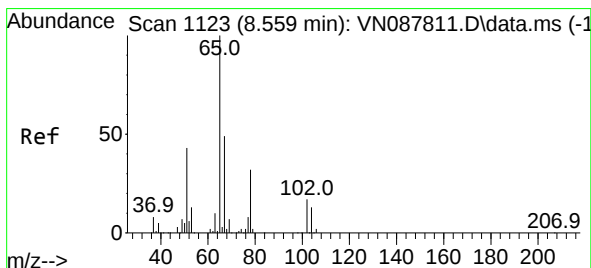
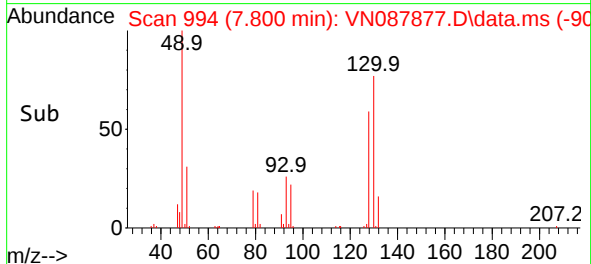
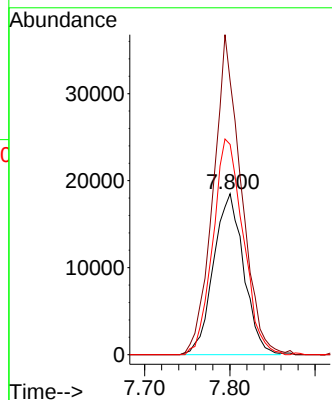
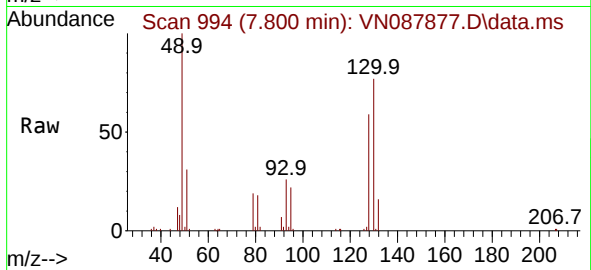




#1
Bromochloromethane
Concen: 30.000 ug/l
RT: 7.800 min Scan# 994
Delta R.T. 0.006 min
Lab File: VN087877.D
Acq: 17 Sep 2025 14:14

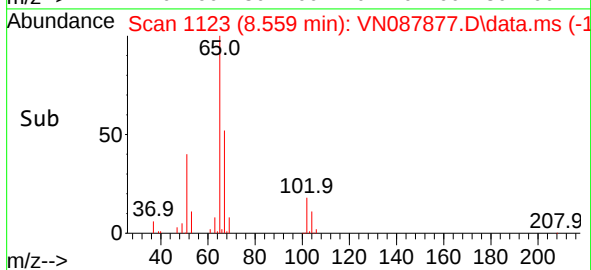
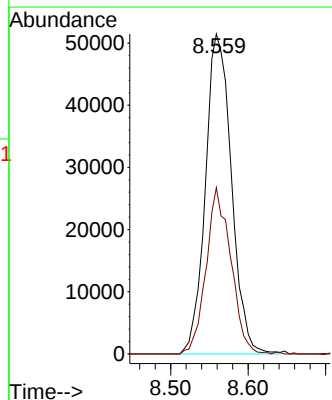
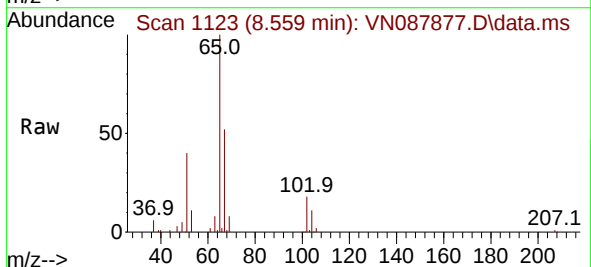
Instrument :
MSVOA_N
ClientSampleId :
IBLK

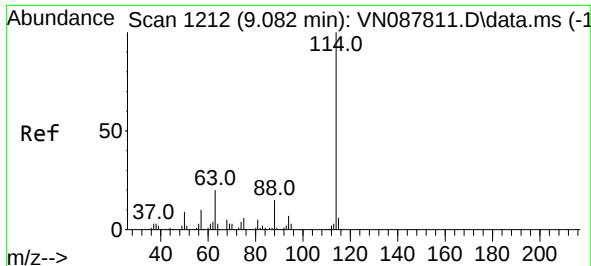
Tgt Ion:128 Resp: 45625
Ion Ratio Lower Upper
128 100
49 183.5 0.0 464.3
130 134.4 0.0 300.5



#27
1,2-Dichloroethane-d4
Concen: 30.811 ug/l
RT: 8.559 min Scan# 1123
Delta R.T. -0.000 min
Lab File: VN087877.D
Acq: 17 Sep 2025 14:14

Tgt Ion: 65 Resp: 120082
Ion Ratio Lower Upper
65 100
67 49.1 39.6 59.4





#28

1,4-Difluorobenzene

Concen: 30.000 ug/l

RT: 9.082 min Scan# 1

Delta R.T. -0.000 min

Lab File: VN087877.D

Acq: 17 Sep 2025 14:14

Instrument :

MSVOA_N

ClientSampleId :

IBLK

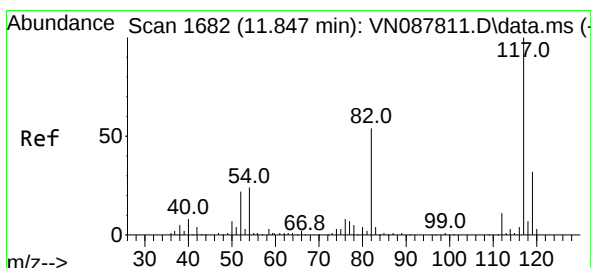
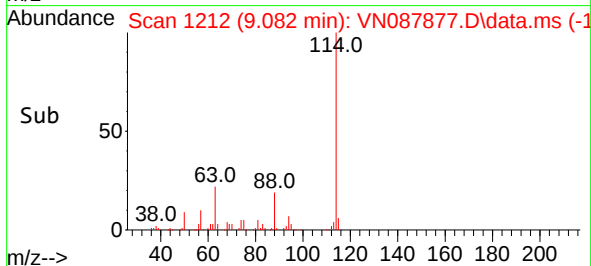
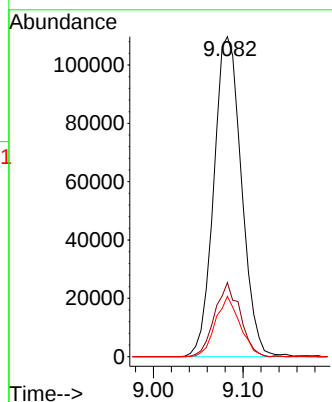
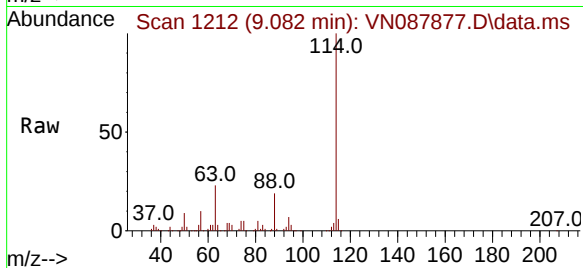
Tgt Ion:114 Resp: 234695

Ion Ratio Lower Upper

114 100

63 21.3 18.3 27.5

88 16.7 12.4 18.6



#57

Chlorobenzene-d5

Concen: 30.000 ug/l

RT: 11.847 min Scan# 1682

Delta R.T. 0.006 min

Lab File: VN087877.D

Acq: 17 Sep 2025 14:14

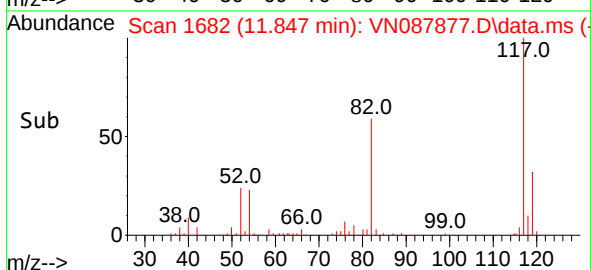
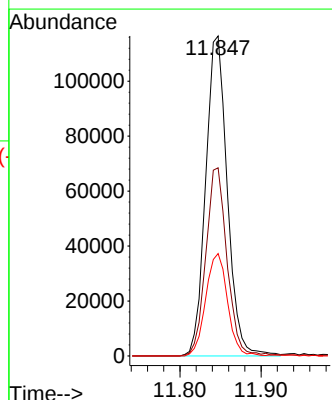
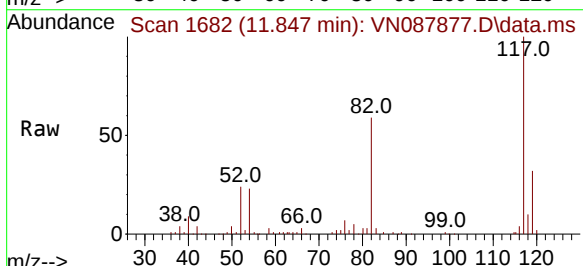
Tgt Ion:117 Resp: 215584

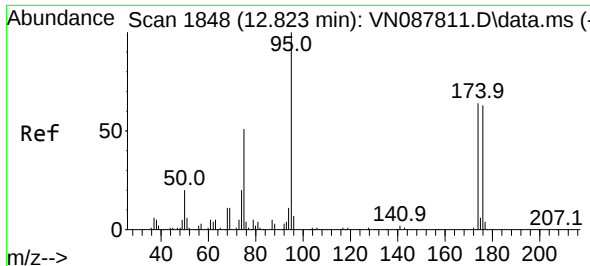
Ion Ratio Lower Upper

117 100

82 57.5 45.9 68.9

119 32.2 25.3 37.9

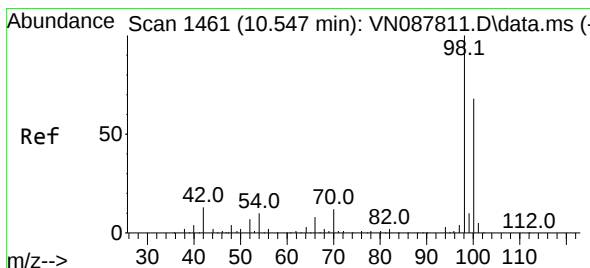
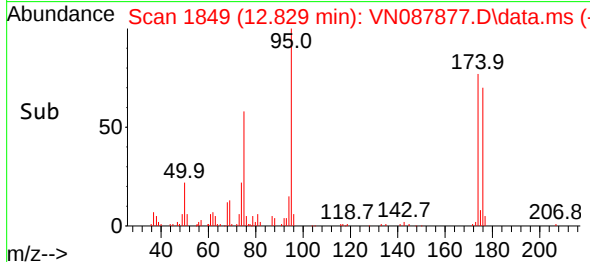
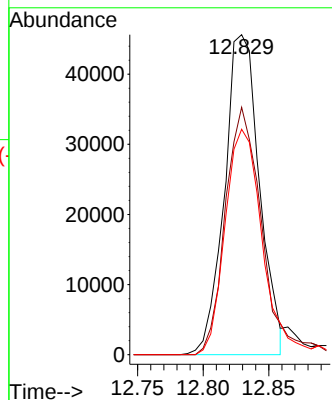
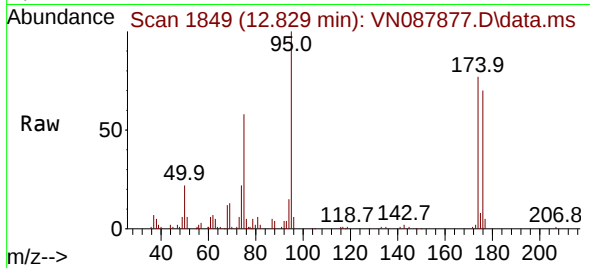




#60
4-Bromofluorobenzene
Concen: 24.474 ug/l
RT: 12.829 min Scan# 1849
Delta R.T. -0.000 min
Lab File: VN087877.D
Acq: 17 Sep 2025 14:14

Instrument :
MSVOA_N
ClientSampleId :
IBLK

Tgt Ion: 95 Resp: 84836
Ion Ratio Lower Upper
95 100
174 80.4 55.4 83.0
176 74.3 51.5 77.3



#63
Toluene-d8
Concen: 28.874 ug/l
RT: 10.547 min Scan# 1461
Delta R.T. -0.000 min
Lab File: VN087877.D
Acq: 17 Sep 2025 14:14

Tgt Ion: 98 Resp: 289490
Ion Ratio Lower Upper
98 100
100 63.8 50.6 76.0

