

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN072825\
 Data File : VN087432.D
 Acq On : 28 Jul 2025 15:14
 Operator : JC\MD
 Sample : IBLK
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 IBLK

Quant Time: Jul 28 17:43:14 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	60699	30.000	ug/l	0.00
28) 1,4-Difluorobenzene	9.083	114	322642	30.000	ug/l	0.00
57) Chlorobenzene-d5	11.847	117	280850	30.000	ug/l	0.00

System Monitoring Compounds						
27) 1,2-Dichloroethane-d4	8.565	65	144351	31.099	ug/l	0.00
Spiked Amount	30.000	Range	91 - 110	Recovery	=	103.667%
60) 4-Bromofluorobenzene	12.829	95	125611	27.236	ug/l	0.00
Spiked Amount	30.000	Range	63 - 112	Recovery	=	90.800%
63) Toluene-d8	10.547	98	394729	30.604	ug/l	0.00
Spiked Amount	30.000	Range	91 - 112	Recovery	=	102.000%

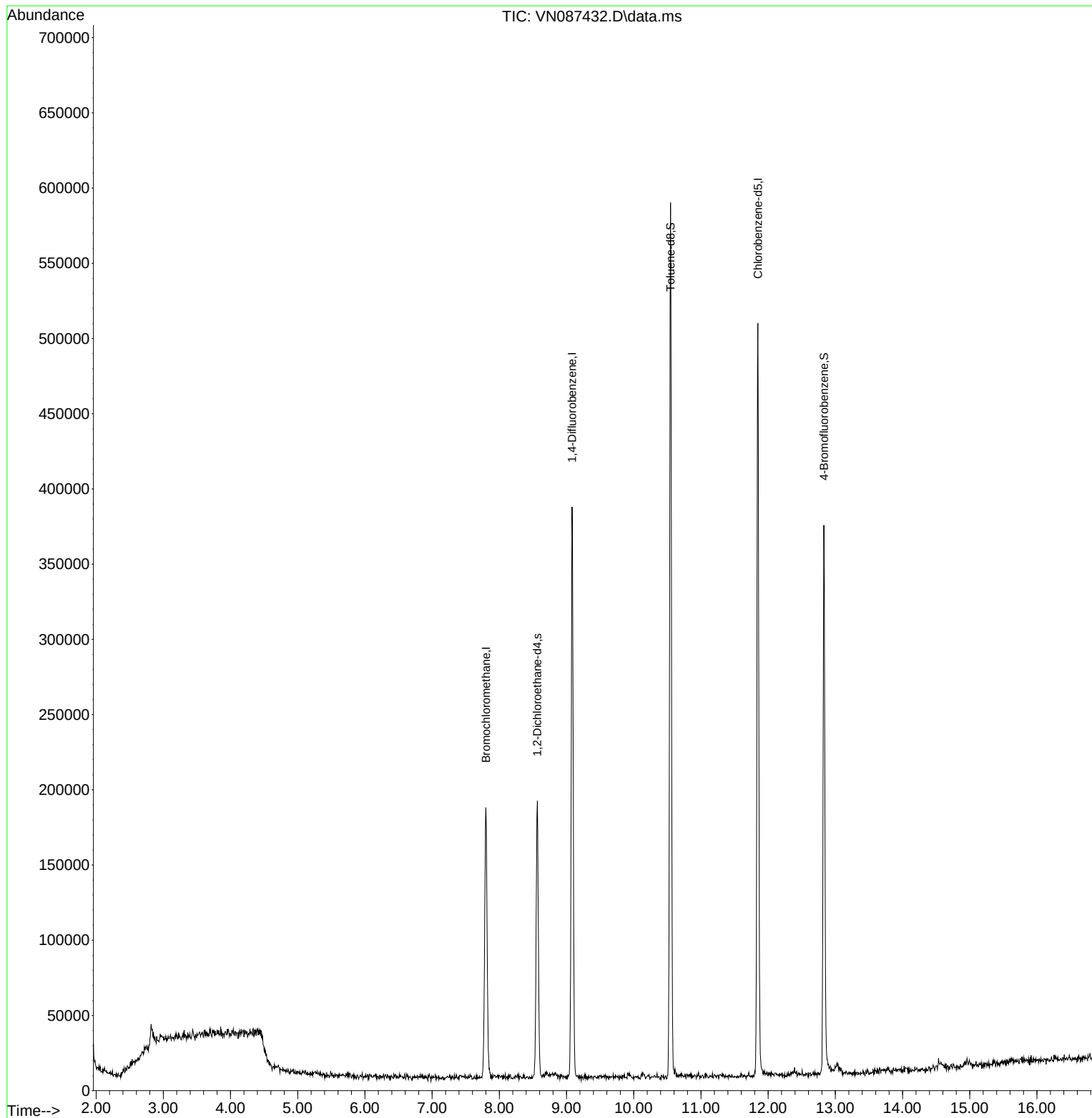
Target Compounds	Qvalue

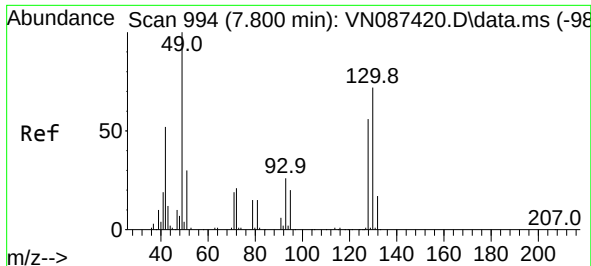
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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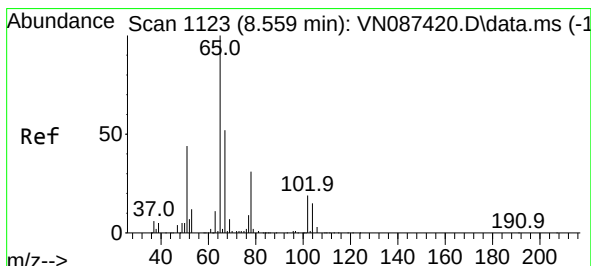
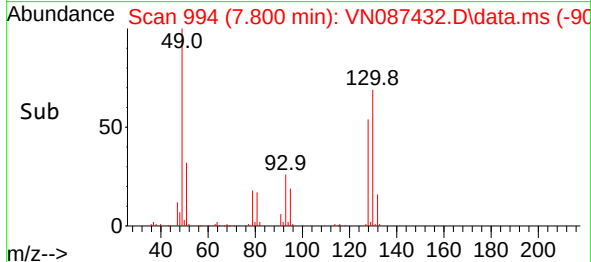
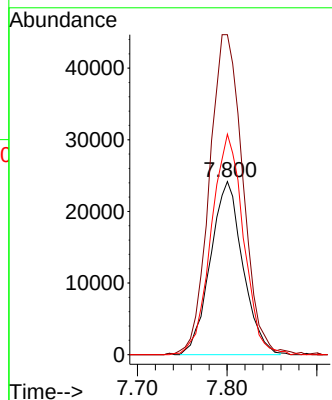
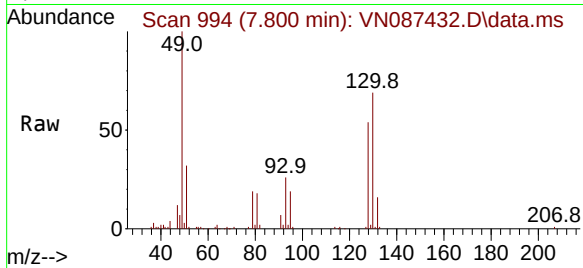




#1
Bromochloromethane
Concen: 30.000 ug/l
RT: 7.800 min Scan# 994
Delta R.T. 0.000 min
Lab File: VN087432.D
Acq: 28 Jul 2025 15:14

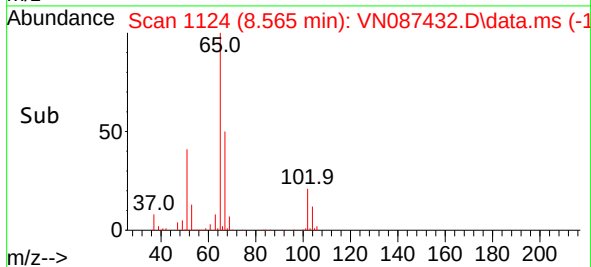
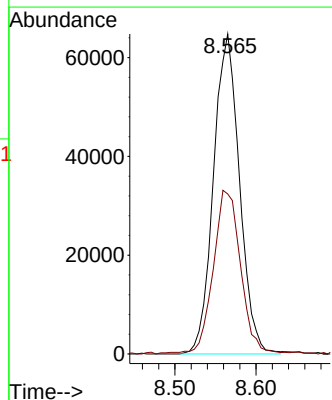
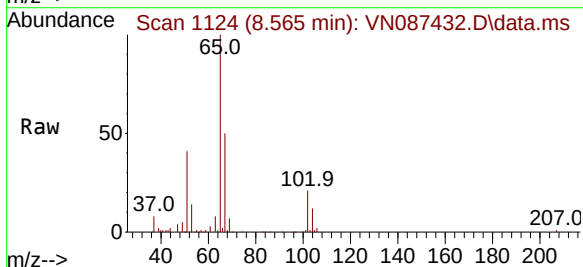
Instrument :
MSVOA_N
ClientSampleId :
IBLK

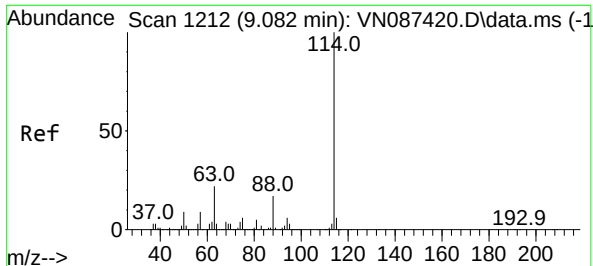
Tgt Ion:128 Resp: 60699
Ion Ratio Lower Upper
128 100
49 189.5 0.0 457.3
130 126.4 0.0 316.0



#27
1,2-Dichloroethane-d4
Concen: 31.099 ug/l
RT: 8.565 min Scan# 1124
Delta R.T. 0.006 min
Lab File: VN087432.D
Acq: 28 Jul 2025 15:14

Tgt Ion: 65 Resp: 144351
Ion Ratio Lower Upper
65 100
67 53.0 42.3 63.5





#28

1,4-Difluorobenzene

Concen: 30.000 ug/l

RT: 9.083 min Scan# 1

Delta R.T. 0.000 min

Lab File: VN087432.D

Acq: 28 Jul 2025 15:14

Instrument :

MSVOA_N

ClientSampleId :

IBLK

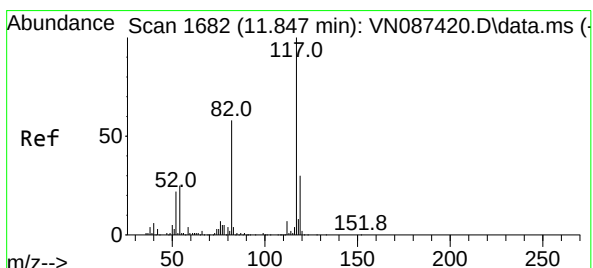
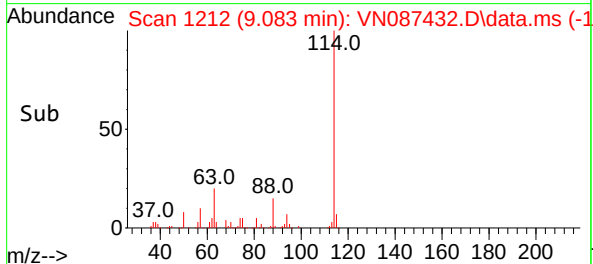
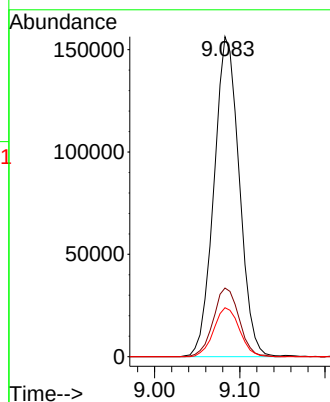
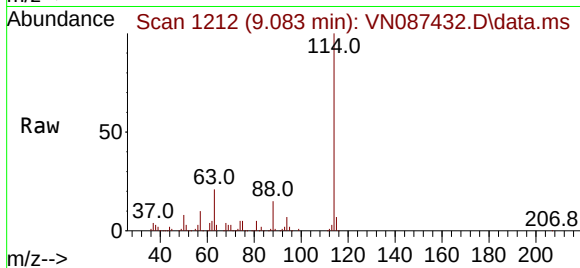
Tgt Ion:114 Resp: 322642

Ion Ratio Lower Upper

114 100

63 21.8 17.8 26.6

88 15.5 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: VN087432.D

Acq: 28 Jul 2025 15:14

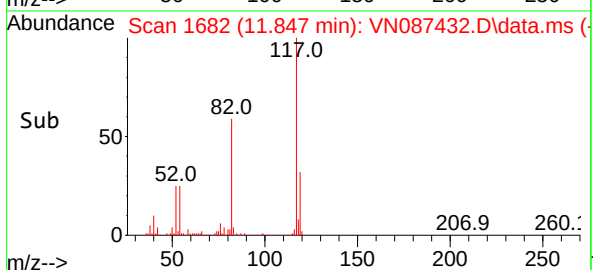
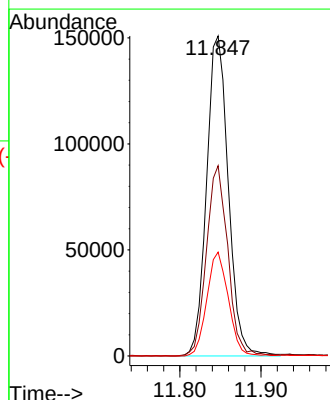
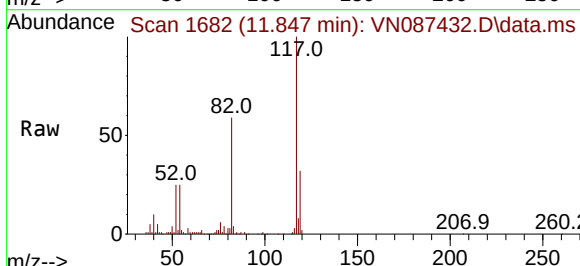
Tgt Ion:117 Resp: 280850

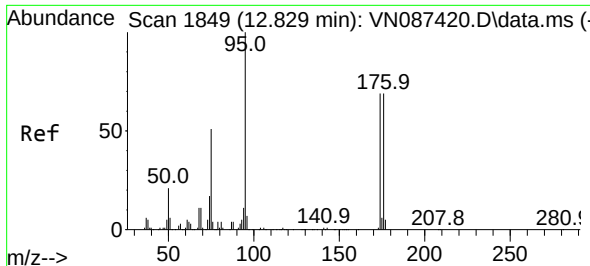
Ion Ratio Lower Upper

117 100

82 58.7 46.2 69.4

119 32.0 25.7 38.5

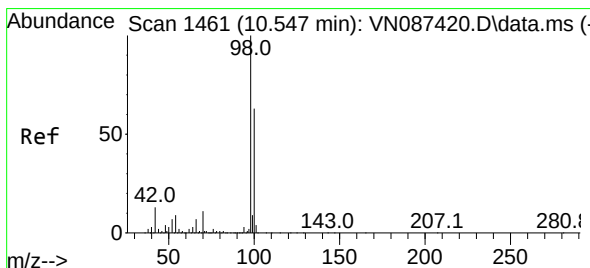
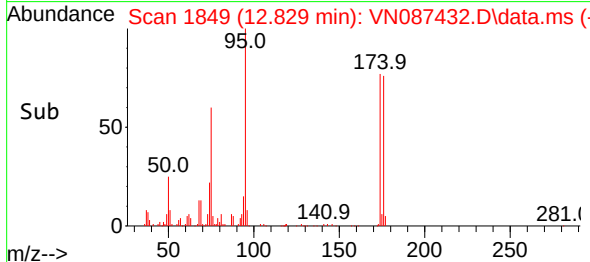
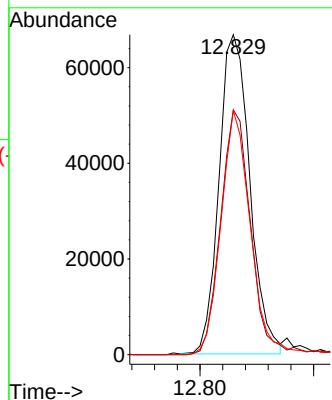
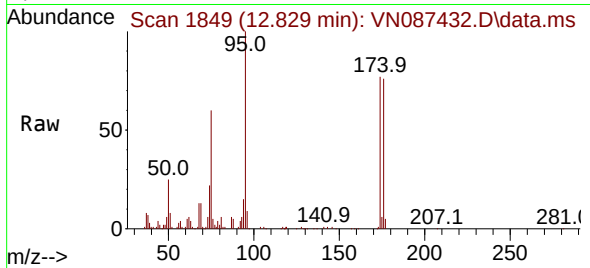




#60
4-Bromofluorobenzene
Concen: 27.236 ug/l
RT: 12.829 min Scan# 1849
Delta R.T. 0.000 min
Lab File: VN087432.D
Acq: 28 Jul 2025 15:14

Instrument :
MSVOA_N
ClientSampleId :
IBLK

Tgt Ion: 95 Resp: 125611
Ion Ratio Lower Upper
95 100
174 73.8 57.8 86.8
176 72.9 54.9 82.3



#63
Toluene-d8
Concen: 30.604 ug/l
RT: 10.547 min Scan# 1461
Delta R.T. 0.000 min
Lab File: VN087432.D
Acq: 28 Jul 2025 15:14

Tgt Ion: 98 Resp: 394729
Ion Ratio Lower Upper
98 100
100 63.3 50.7 76.1

