

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN073025\
 Data File : VN087440.D
 Acq On : 30 Jul 2025 11:20
 Operator : JC\MD
 Sample : VN0730WBL01
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0730WBL01

Quant Time: Jul 31 01:14:01 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	50464	30.000	ug/l	0.00
28) 1,4-Difluorobenzene	9.082	114	272258	30.000	ug/l	0.00
57) Chlorobenzene-d5	11.847	117	243647	30.000	ug/l	0.00

System Monitoring Compounds						
27) 1,2-Dichloroethane-d4	8.565	65	117368	30.415	ug/l	0.00
Spiked Amount	30.000	Range	91 - 110	Recovery	=	101.367%
60) 4-Bromofluorobenzene	12.829	95	109256	27.307	ug/l	0.00
Spiked Amount	30.000	Range	63 - 112	Recovery	=	91.033%
63) Toluene-d8	10.547	98	340527	30.433	ug/l	0.00
Spiked Amount	30.000	Range	91 - 112	Recovery	=	101.433%

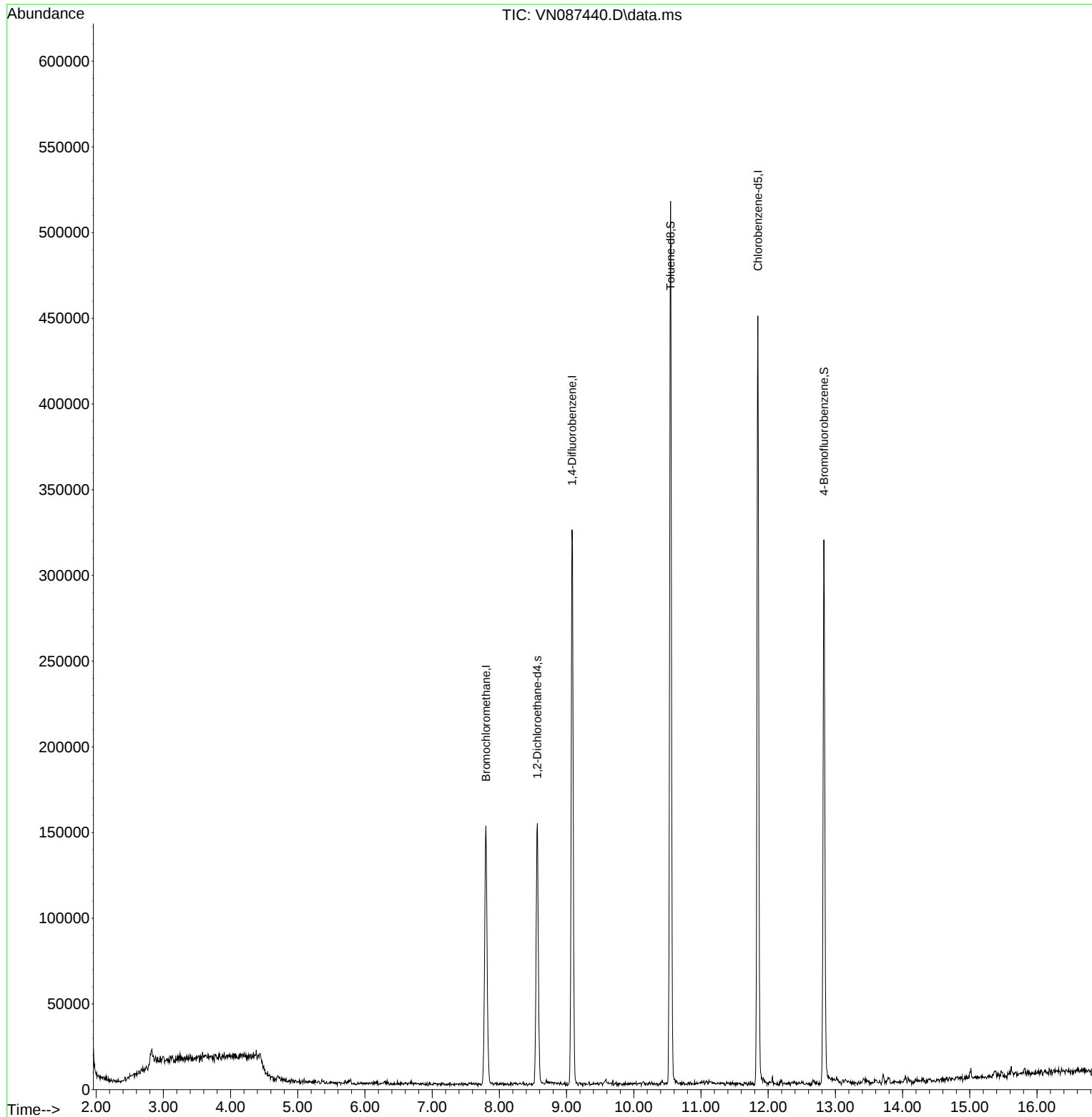
Target Compounds	Qvalue

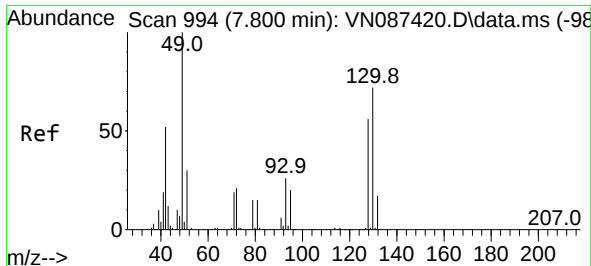
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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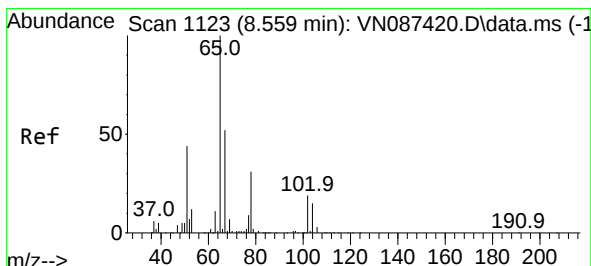
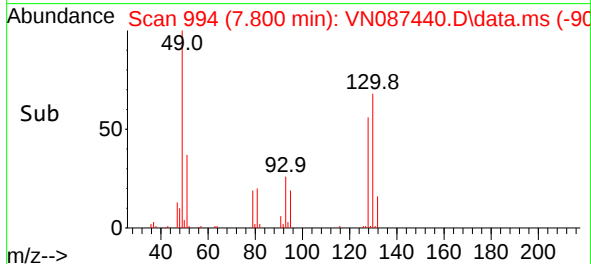
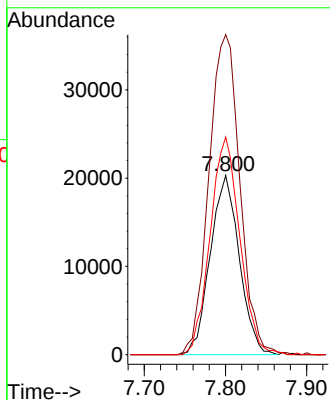
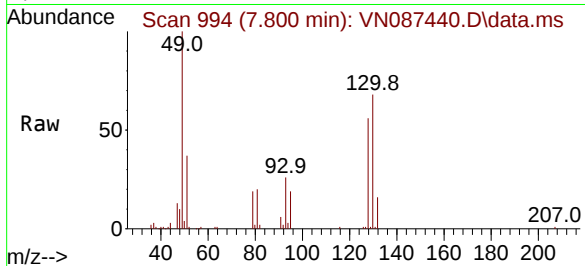




#1
Bromochloromethane
Concen: 30.000 ug/l
RT: 7.800 min Scan# 994
Delta R.T. 0.000 min
Lab File: VN087440.D
Acq: 30 Jul 2025 11:20

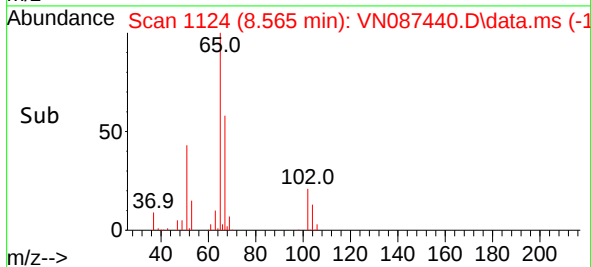
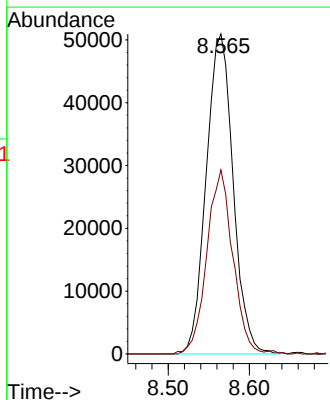
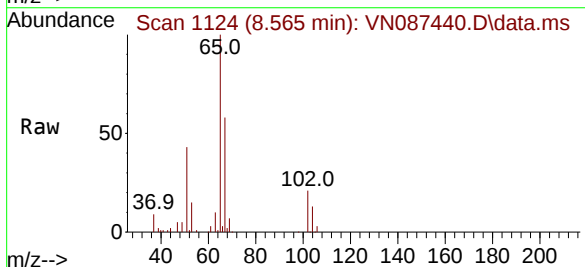
Instrument :
MSVOA_N
ClientSampleId :
VN0730WBL01

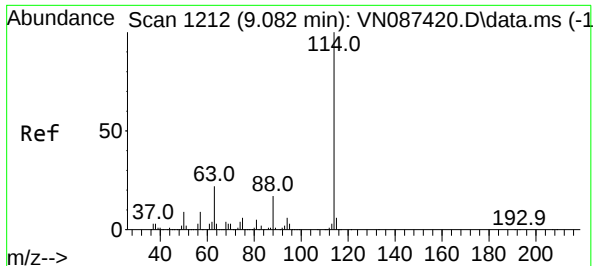
Tgt Ion:	128	Resp:	50464
Ion Ratio	Lower	Upper	
128	100		
49	190.3	0.0	457.3
130	124.3	0.0	316.0



#27
1,2-Dichloroethane-d4
Concen: 30.415 ug/l
RT: 8.565 min Scan# 1124
Delta R.T. 0.006 min
Lab File: VN087440.D
Acq: 30 Jul 2025 11:20

Tgt Ion:	65	Resp:	117368
Ion Ratio	Lower	Upper	
65	100		
67	55.4	42.3	63.5





#28

1,4-Difluorobenzene

Concen: 30.000 ug/l

RT: 9.082 min Scan# 1

Delta R.T. 0.000 min

Lab File: VN087440.D

Acq: 30 Jul 2025 11:20

Instrument :

MSVOA_N

ClientSampleId :

VN0730WBL01

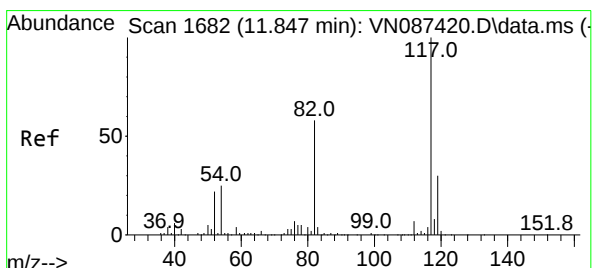
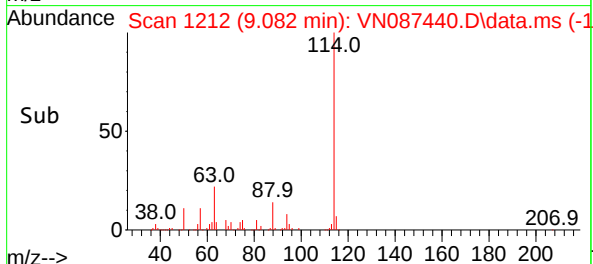
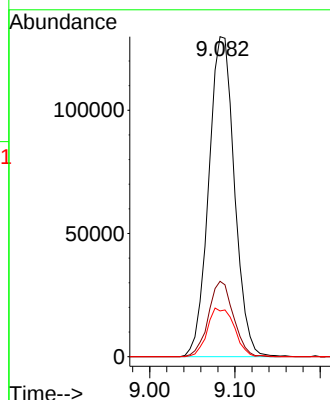
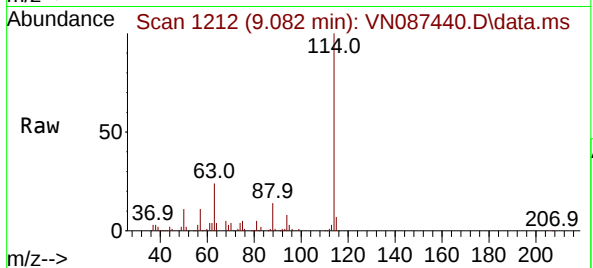
Tgt Ion:114 Resp: 272258

Ion Ratio Lower Upper

114 100

63 22.8 17.8 26.6

88 15.8 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: VN087440.D

Acq: 30 Jul 2025 11:20

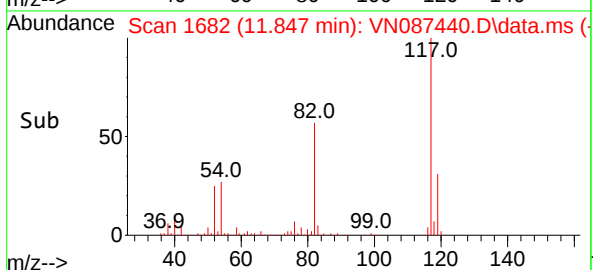
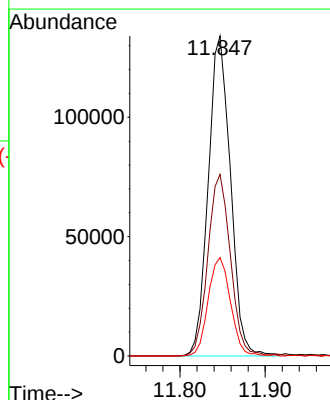
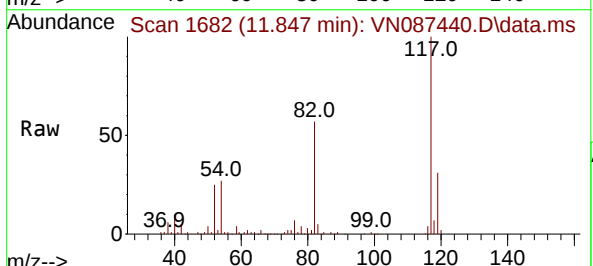
Tgt Ion:117 Resp: 243647

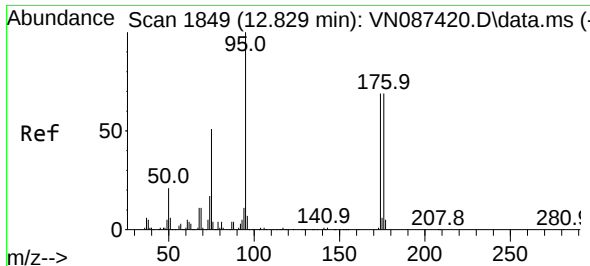
Ion Ratio Lower Upper

117 100

82 57.5 46.2 69.4

119 30.8 25.7 38.5

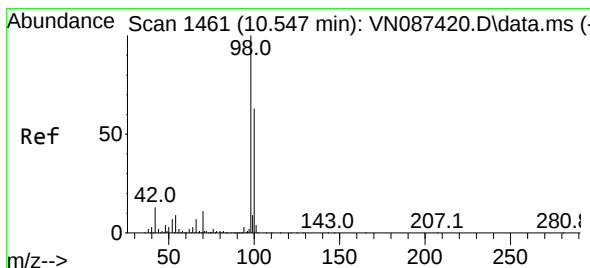
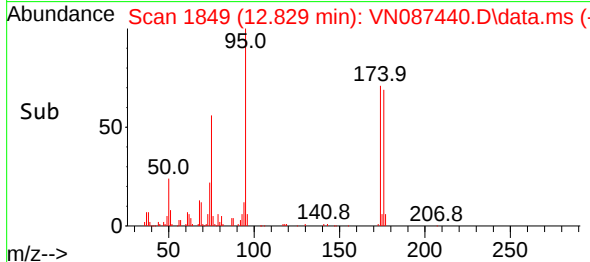
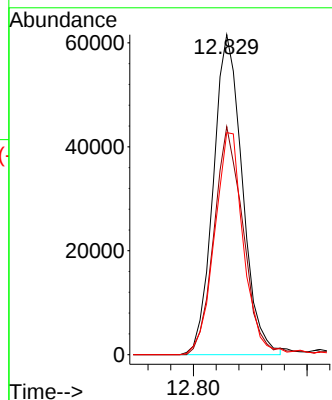
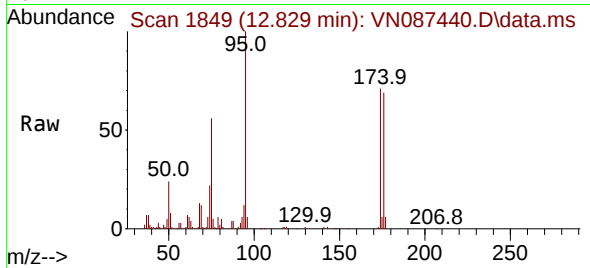




#60
4-Bromofluorobenzene
Concen: 27.307 ug/l
RT: 12.829 min Scan# 1849
Delta R.T. 0.000 min
Lab File: VN087440.D
Acq: 30 Jul 2025 11:20

Instrument :
MSVOA_N
ClientSampleId :
VN0730WBL01

Tgt Ion: 95 Resp: 109256
Ion Ratio Lower Upper
95 100
174 71.5 57.8 86.8
176 69.2 54.9 82.3



#63
Toluene-d8
Concen: 30.433 ug/l
RT: 10.547 min Scan# 1461
Delta R.T. 0.000 min
Lab File: VN087440.D
Acq: 30 Jul 2025 11:20

Tgt Ion: 98 Resp: 340527
Ion Ratio Lower Upper
98 100
100 63.2 50.7 76.1

