

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN090425\
 Data File : VN087722.D
 Acq On : 04 Sep 2025 14:58
 Operator : JC\MD
 Sample : Q3017-03
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 TT-077-IDWGW-20250903

Quant Time: Sep 05 02:21:37 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\624N080525W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Wed Aug 06 02:01:21 2025
 Response via : Initial Calibration

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

Internal Standards						
1) Bromochloromethane	7.794	128	41995	30.000	ug/l	0.00
28) 1,4-Difluorobenzene	9.082	114	225576	30.000	ug/l	0.00
57) Chlorobenzene-d5	11.847	117	201361	30.000	ug/l	0.00
System Monitoring Compounds						
27) 1,2-Dichloroethane-d4	8.559	65	113790	29.377	ug/l	0.00
Spiked Amount	30.000	Range	91 - 110	Recovery	=	97.933%
60) 4-Bromofluorobenzene	12.829	95	83261	24.027	ug/l	0.00
Spiked Amount	30.000	Range	63 - 112	Recovery	=	80.100%
63) Toluene-d8	10.547	98	272481	29.409	ug/l	0.00
Spiked Amount	30.000	Range	91 - 112	Recovery	=	98.033%

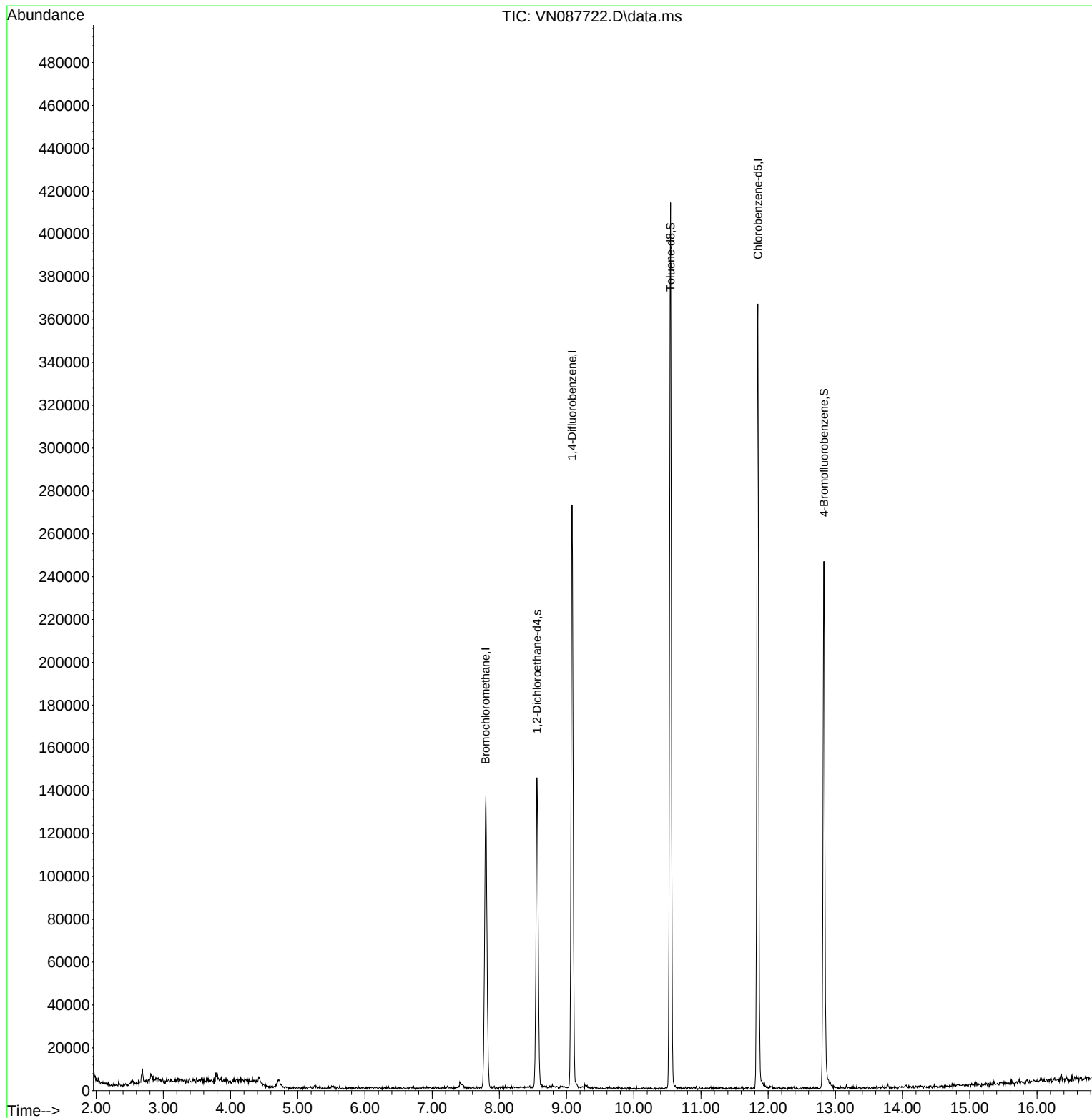
Target Compounds	Qvalue

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

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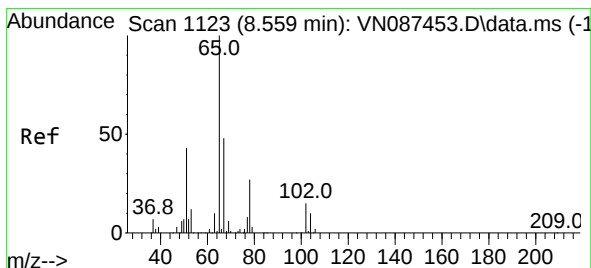
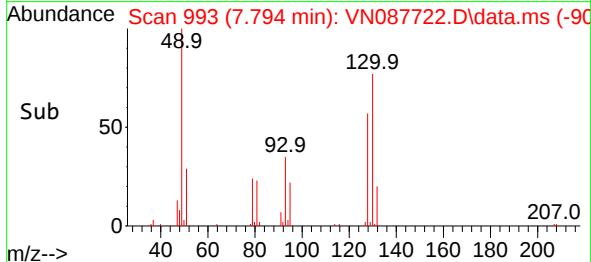
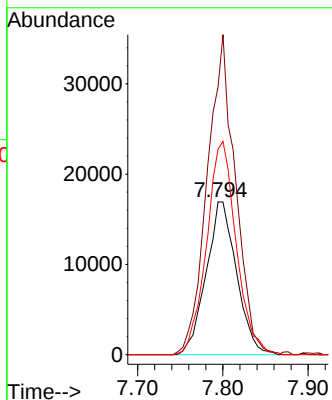
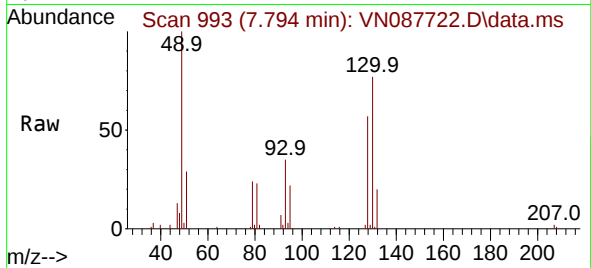




#1
Bromochloromethane
Concen: 30.000 ug/l
RT: 7.794 min Scan# 91
Delta R.T. -0.006 min
Lab File: VN087722.D
Acq: 04 Sep 2025 14:58

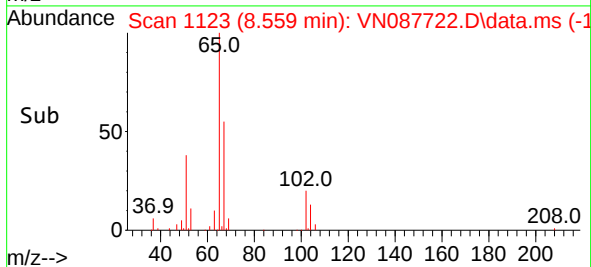
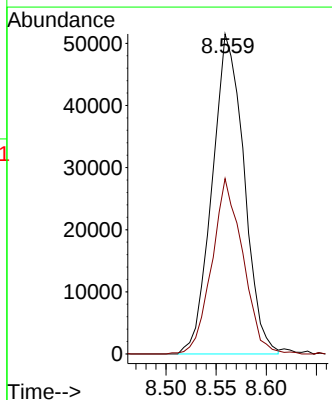
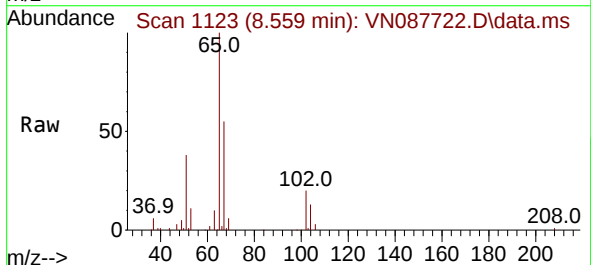
Instrument :
MSVOA_N
ClientSampleId :
TT-077-IDWGW-20250903

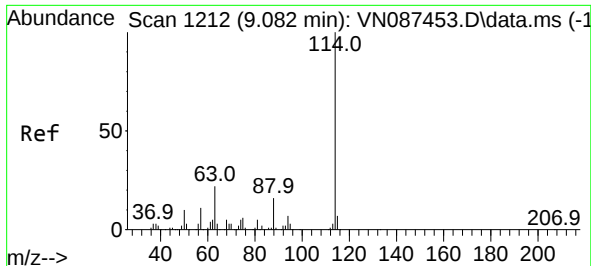
Tgt Ion:128 Resp: 41995
Ion Ratio Lower Upper
128 100
49 193.7 0.0 494.8
130 136.0 0.0 321.5



#27
1,2-Dichloroethane-d4
Concen: 29.377 ug/l
RT: 8.559 min Scan# 1123
Delta R.T. -0.000 min
Lab File: VN087722.D
Acq: 04 Sep 2025 14:58

Tgt Ion: 65 Resp: 113790
Ion Ratio Lower Upper
65 100
67 53.2 40.8 61.2





#28

1,4-Difluorobenzene

Concen: 30.000 ug/l

RT: 9.082 min Scan# 11

Delta R.T. -0.000 min

Lab File: VN087722.D

Acq: 04 Sep 2025 14:58

Instrument :

MSVOA_N

ClientSampleId :

TT-077-IDWGW-20250903

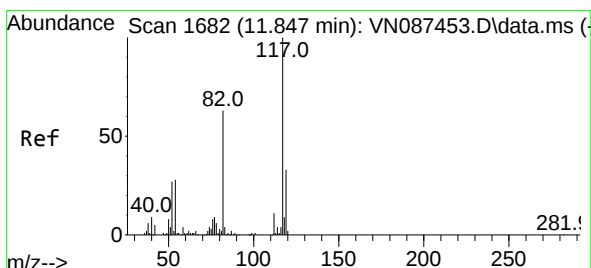
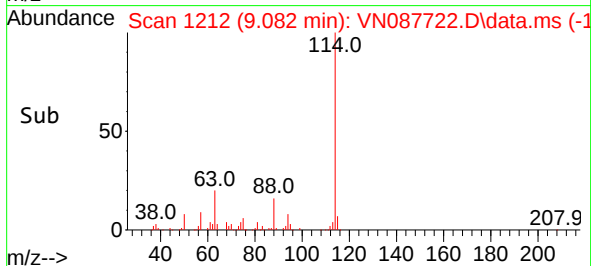
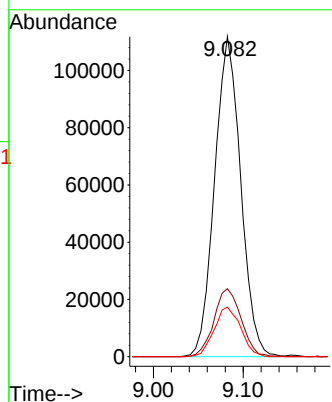
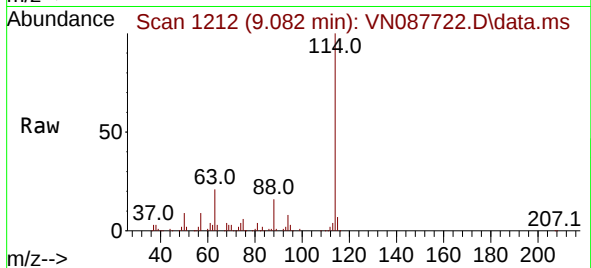
Tgt Ion:114 Resp: 225576

Ion Ratio Lower Upper

114 100

63 22.1 18.9 28.3

88 15.8 13.1 19.7



#57

Chlorobenzene-d5

Concen: 30.000 ug/l

RT: 11.847 min Scan# 1682

Delta R.T. -0.000 min

Lab File: VN087722.D

Acq: 04 Sep 2025 14:58

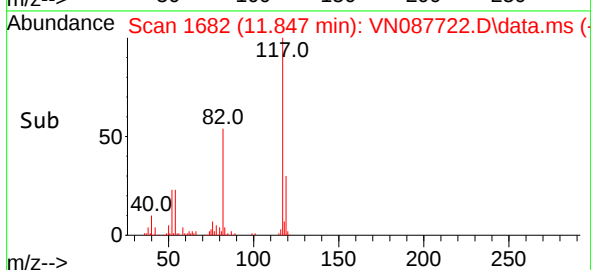
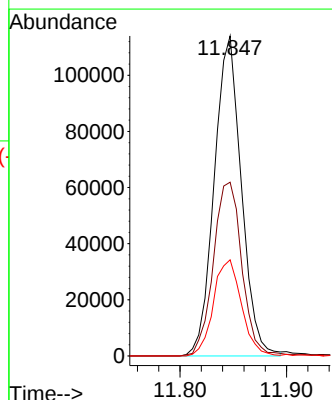
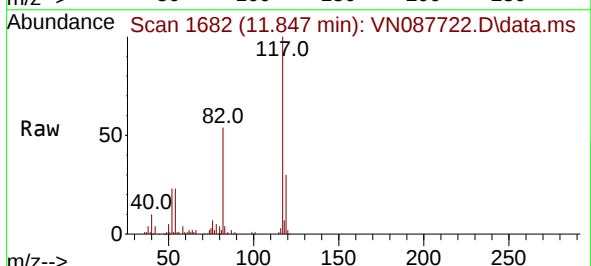
Tgt Ion:117 Resp: 201361

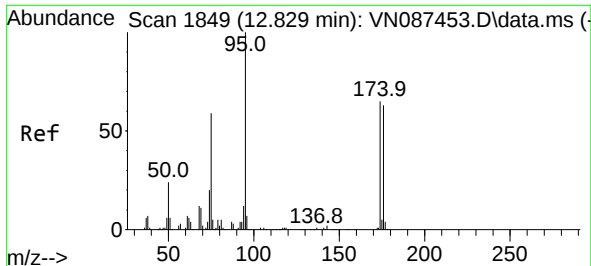
Ion Ratio Lower Upper

117 100

82 57.4 49.2 73.8

119 31.0 25.7 38.5

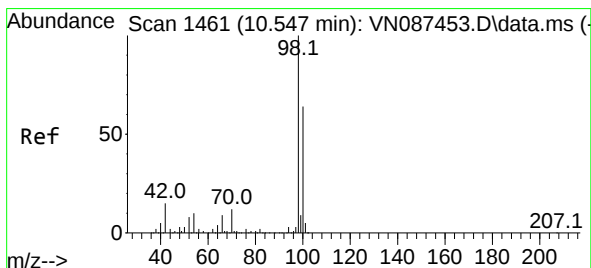
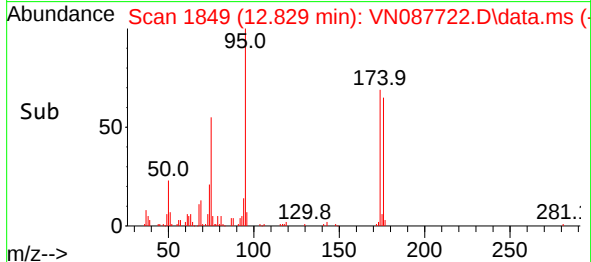
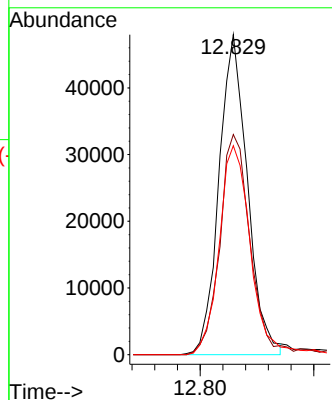
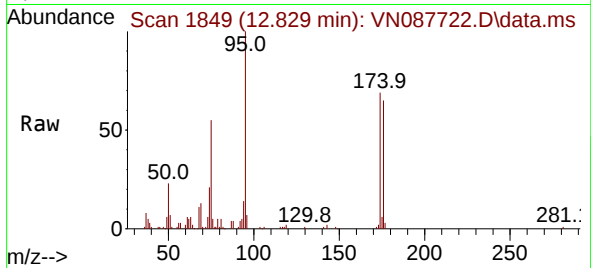




#60
4-Bromofluorobenzene
Concen: 24.027 ug/l
RT: 12.829 min Scan# 1849
Delta R.T. -0.000 min
Lab File: VN087722.D
Acq: 04 Sep 2025 14:58

Instrument :
MSVOA_N
ClientSampleId :
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Tgt Ion: 95 Resp: 83261
Ion Ratio Lower Upper
95 100
174 71.7 52.3 78.5
176 71.5 49.8 74.8



#63
Toluene-d8
Concen: 29.409 ug/l
RT: 10.547 min Scan# 1461
Delta R.T. -0.000 min
Lab File: VN087722.D
Acq: 04 Sep 2025 14:58

Tgt Ion: 98 Resp: 272481
Ion Ratio Lower Upper
98 100
100 62.6 50.5 75.7

