

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN072225\
 Data File : VN087392.D
 Acq On : 22 Jul 2025 16:12
 Operator : JC\MD
 Sample : VN0722WBL01
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0722WBL01

Quant Time: Jul 23 05:56:56 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\624N062525W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Wed Jun 25 10:49:56 2025
 Response via : Initial Calibration

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

Internal Standards						
1) Bromochloromethane	7.794	128	27646	30.000	ug/l	-0.03
28) 1,4-Difluorobenzene	9.088	114	129340	30.000	ug/l	-0.02
57) Chlorobenzene-d5	11.847	117	109767	30.000	ug/l	-0.02

System Monitoring Compounds						
27) 1,2-Dichloroethane-d4	8.565	65	65963	31.667	ug/l	-0.02
Spiked Amount	30.000	Range	91 - 110	Recovery	=	105.567%
60) 4-Bromofluorobenzene	12.829	95	46084	27.207	ug/l	-0.02
Spiked Amount	30.000	Range	63 - 112	Recovery	=	90.700%
63) Toluene-d8	10.547	98	149028	30.238	ug/l	-0.02
Spiked Amount	30.000	Range	91 - 112	Recovery	=	100.800%

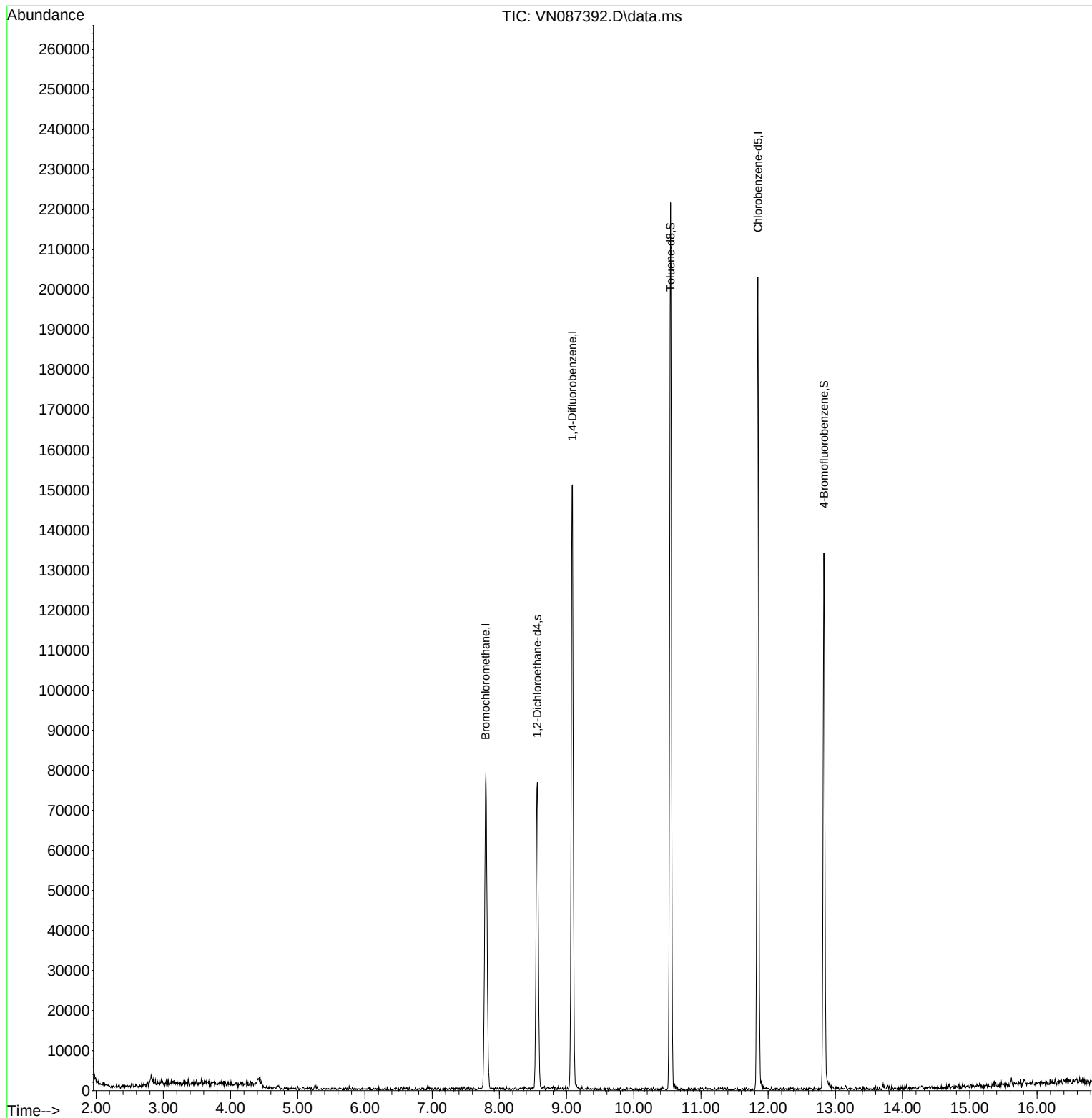
Target Compounds	Qvalue

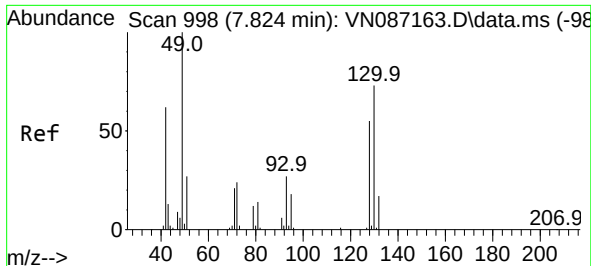
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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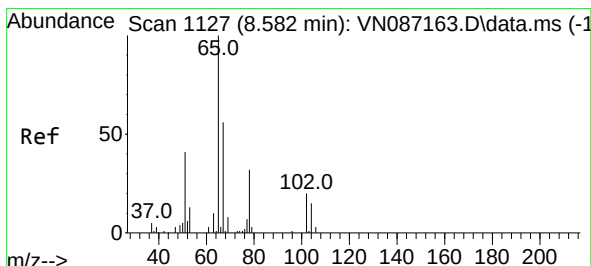
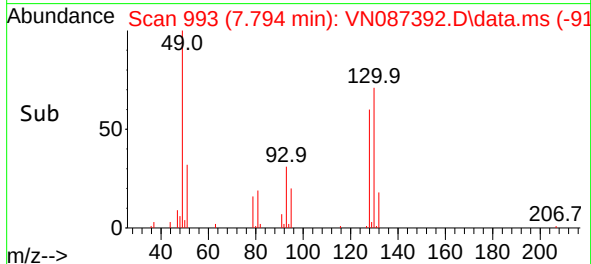
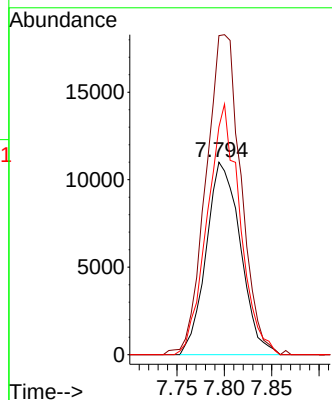
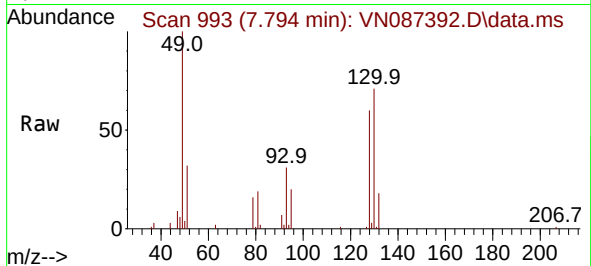




#1
Bromochloromethane
Concen: 30.000 ug/l
RT: 7.794 min Scan# 91
Delta R.T. -0.030 min
Lab File: VN087392.D
Acq: 22 Jul 2025 16:12

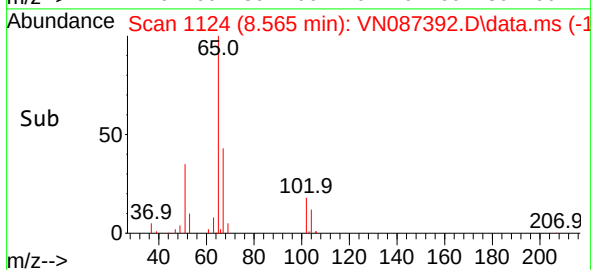
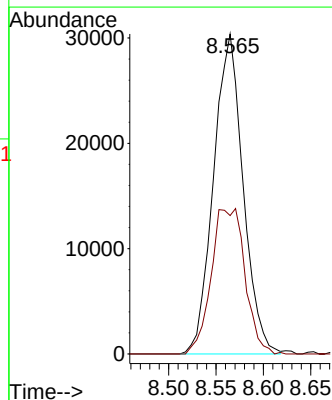
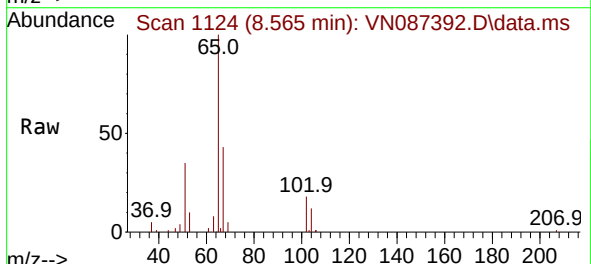
Instrument :
MSVOA_N
ClientSampleId :
VN0722WBL01

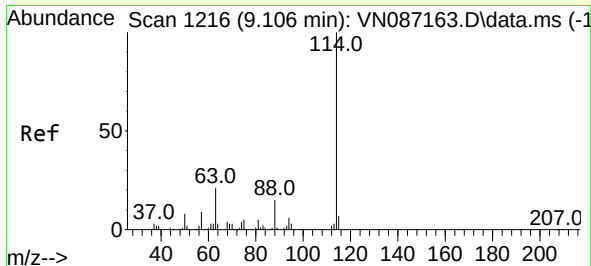
Tgt Ion:128 Resp: 27646
Ion Ratio Lower Upper
128 100
49 169.1 0.0 450.5
130 124.1 0.0 320.7



#27
1,2-Dichloroethane-d4
Concen: 31.667 ug/l
RT: 8.565 min Scan# 1124
Delta R.T. -0.018 min
Lab File: VN087392.D
Acq: 22 Jul 2025 16:12

Tgt Ion: 65 Resp: 65963
Ion Ratio Lower Upper
65 100
67 31.6 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: VN087392.D

Acq: 22 Jul 2025 16:12

Instrument :

MSVOA_N

ClientSampleId :

VN0722WBL01

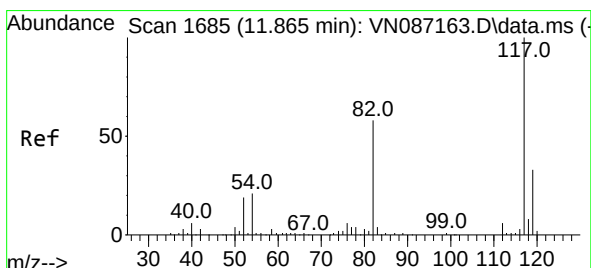
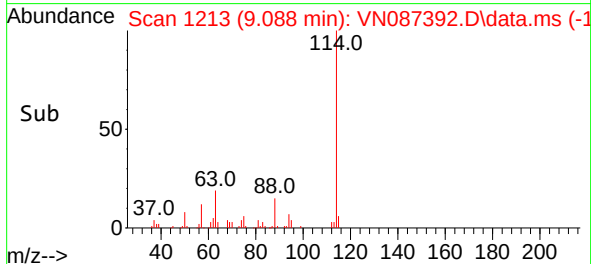
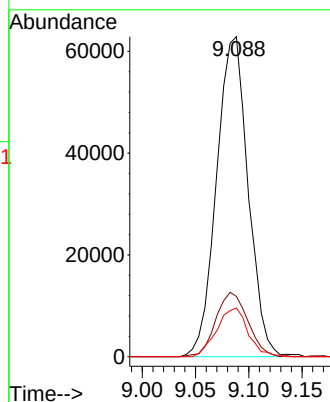
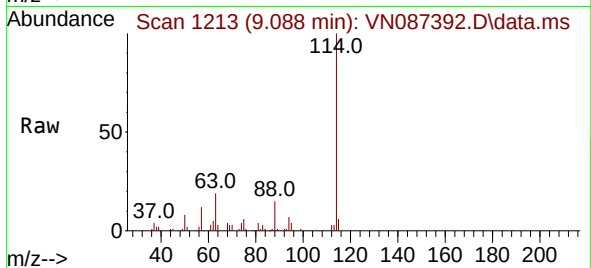
Tgt Ion:114 Resp: 129340

Ion Ratio Lower Upper

114 100

63 20.4 17.0 25.4

88 15.1 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: VN087392.D

Acq: 22 Jul 2025 16:12

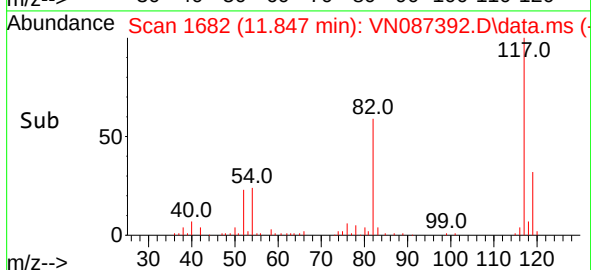
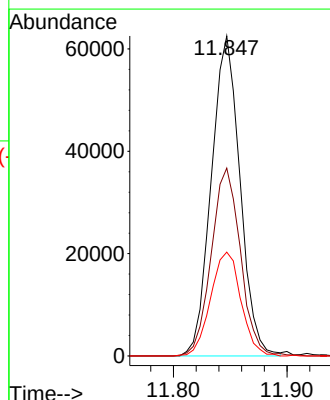
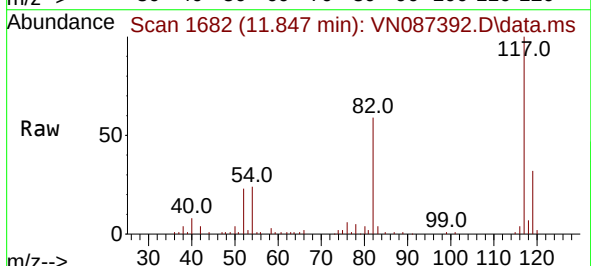
Tgt Ion:117 Resp: 109767

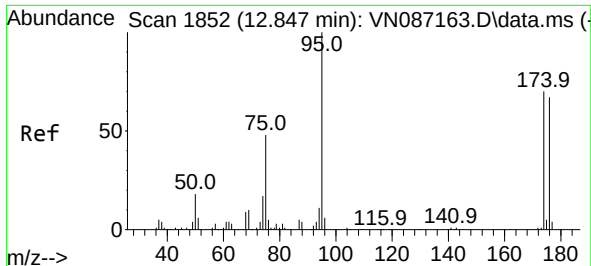
Ion Ratio Lower Upper

117 100

82 59.8 45.4 68.2

119 34.3 26.2 39.4

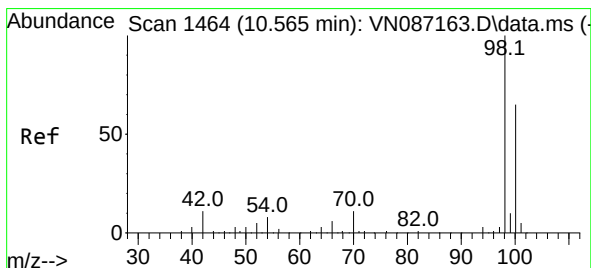
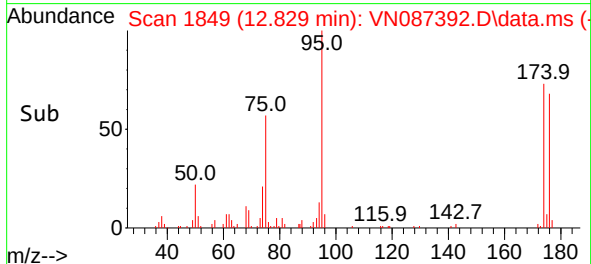
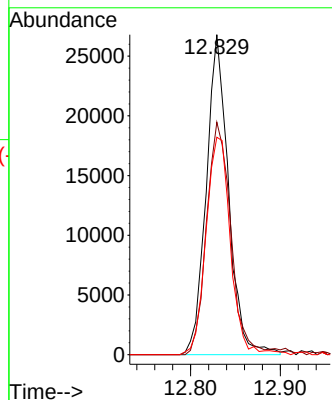
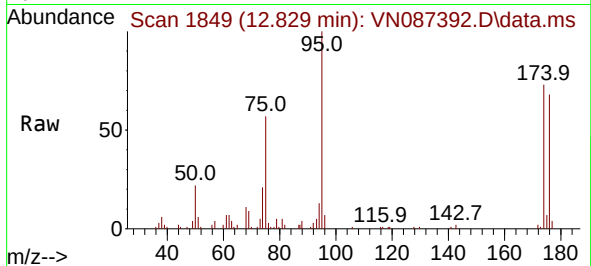




#60
4-Bromofluorobenzene
Concen: 27.207 ug/l
RT: 12.829 min Scan# 1852
Delta R.T. -0.018 min
Lab File: VN087392.D
Acq: 22 Jul 2025 16:12

Instrument :
MSVOA_N
ClientSampleId :
VN0722WBL01

Tgt Ion: 95 Resp: 46084
Ion Ratio Lower Upper
95 100
174 78.7 54.5 81.7
176 73.6 51.9 77.9



#63
Toluene-d8
Concen: 30.238 ug/l
RT: 10.547 min Scan# 1461
Delta R.T. -0.018 min
Lab File: VN087392.D
Acq: 22 Jul 2025 16:12

Tgt Ion: 98 Resp: 149028
Ion Ratio Lower Upper
98 100
100 62.7 52.5 78.7

