

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN090925\
 Data File : VN087767.D
 Acq On : 09 Sep 2025 11:03
 Operator : JC\MD
 Sample : VN0909WBL01
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0909WBL01

Quant Time: Sep 10 02:29:32 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	7.794	128	46637	30.000	ug/l	0.00
28) 1,4-Difluorobenzene	9.083	114	244324	30.000	ug/l	0.00
57) Chlorobenzene-d5	11.841	117	216356	30.000	ug/l	0.00

System Monitoring Compounds						
27) 1,2-Dichloroethane-d4	8.565	65	122353	30.712	ug/l	0.00
Spiked Amount	30.000	Range	91 - 110	Recovery	=	102.367%
60) 4-Bromofluorobenzene	12.829	95	93084	26.757	ug/l	0.00
Spiked Amount	30.000	Range	63 - 112	Recovery	=	89.200%
63) Toluene-d8	10.547	98	308897	30.700	ug/l	0.00
Spiked Amount	30.000	Range	91 - 112	Recovery	=	102.333%

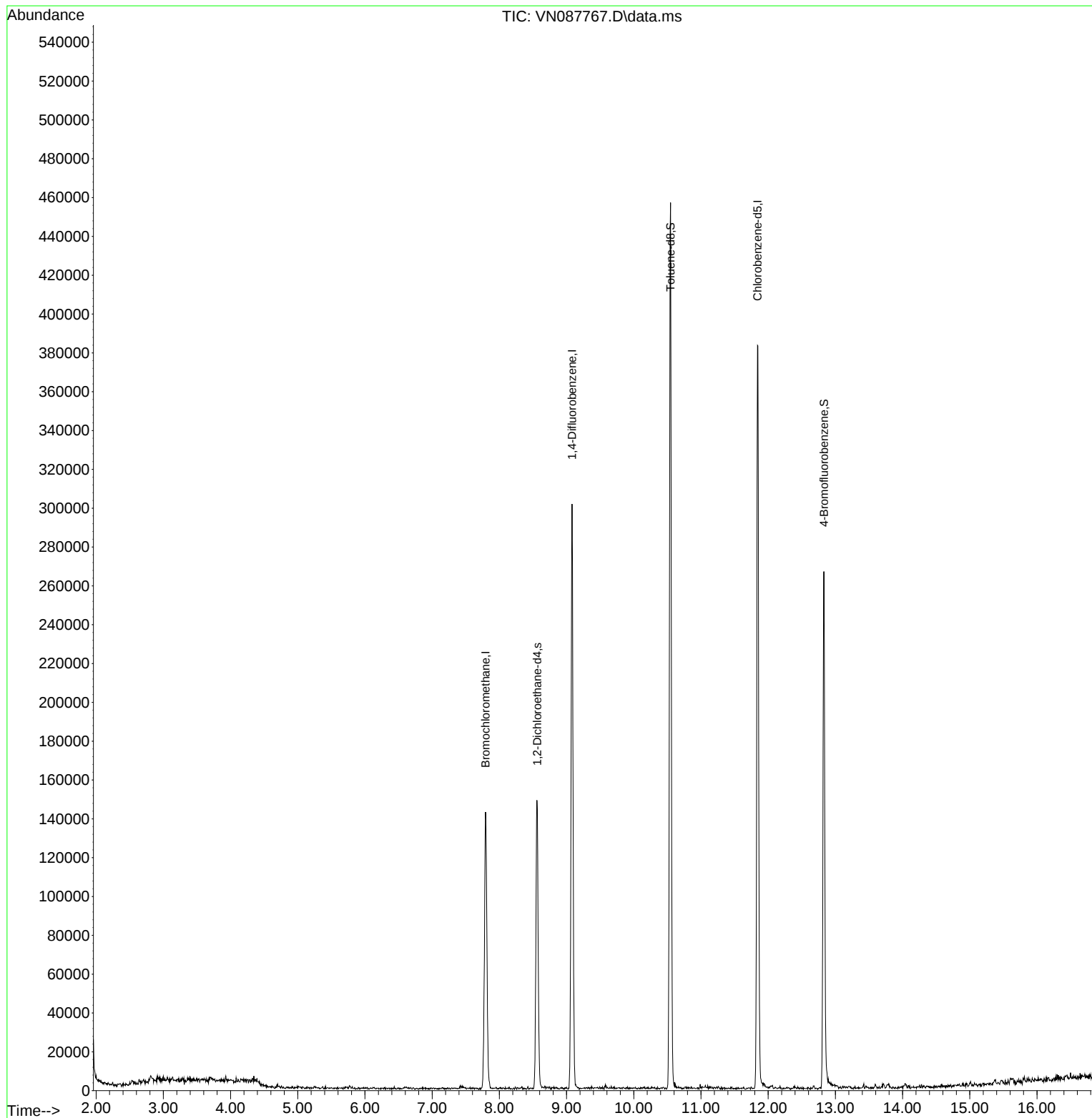
Target Compounds	Qvalue

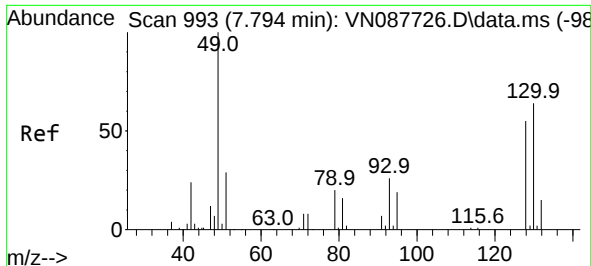
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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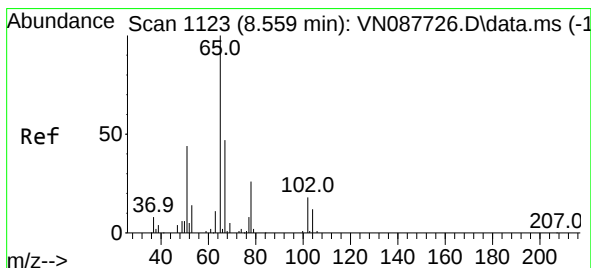
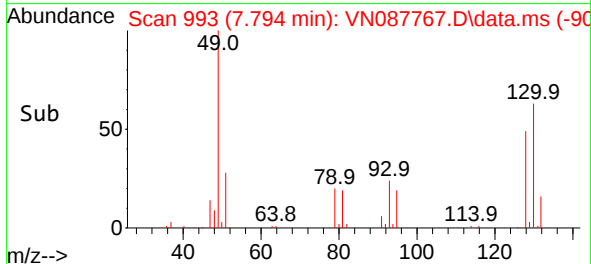
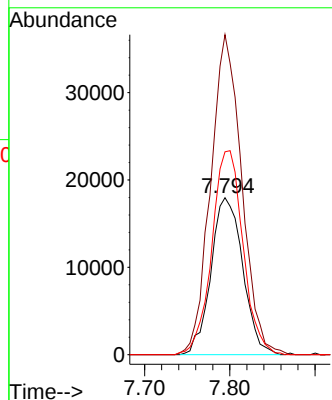
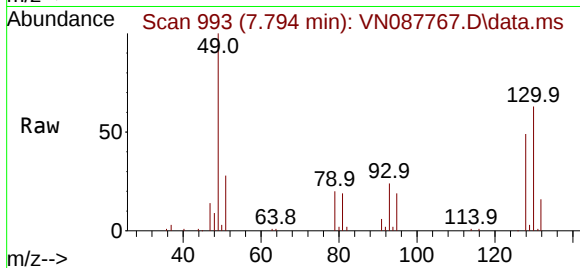




#1
Bromochloromethane
Concen: 30.000 ug/l
RT: 7.794 min Scan# 993
Delta R.T. 0.000 min
Lab File: VN087767.D
Acq: 09 Sep 2025 11:03

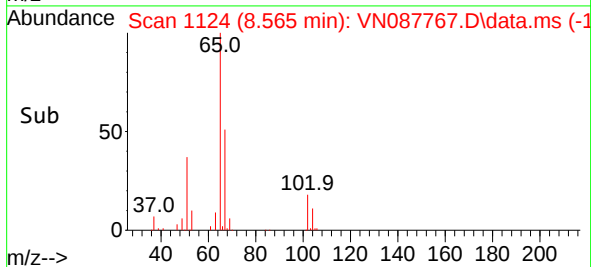
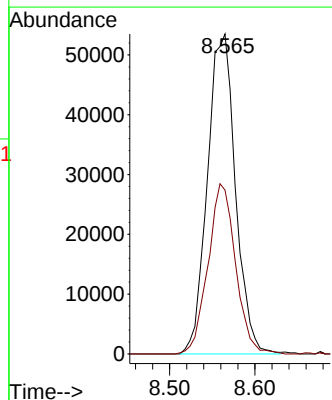
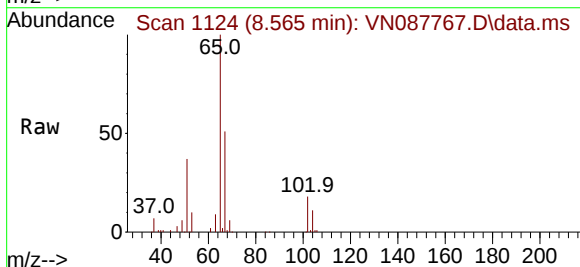
Instrument :
MSVOA_N
ClientSampleId :
VN0909WBL01

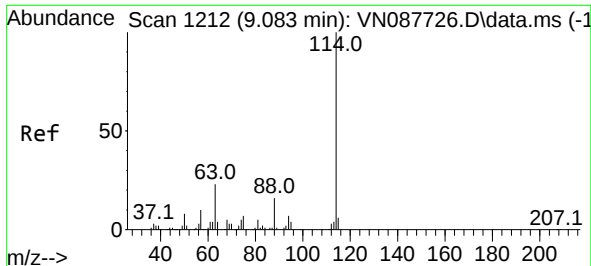
Tgt Ion:128 Resp: 46637
Ion Ratio Lower Upper
128 100
49 199.2 0.0 464.3
130 127.7 0.0 300.5



#27
1,2-Dichloroethane-d4
Concen: 30.712 ug/l
RT: 8.565 min Scan# 1124
Delta R.T. 0.006 min
Lab File: VN087767.D
Acq: 09 Sep 2025 11:03

Tgt Ion: 65 Resp: 122353
Ion Ratio Lower Upper
65 100
67 52.3 39.6 59.4





#28

1,4-Difluorobenzene

Concen: 30.000 ug/l

RT: 9.083 min Scan# 1

Delta R.T. -0.000 min

Lab File: VN087767.D

Acq: 09 Sep 2025 11:03

Instrument :

MSVOA_N

ClientSampleId :

VN0909WBL01

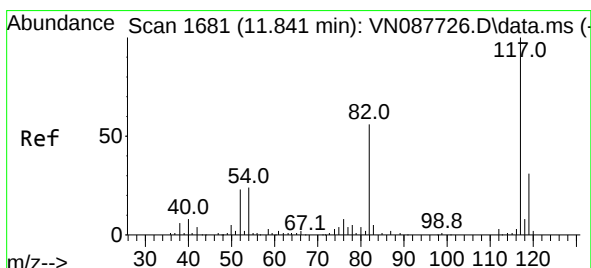
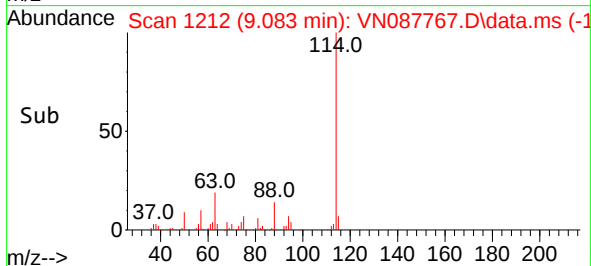
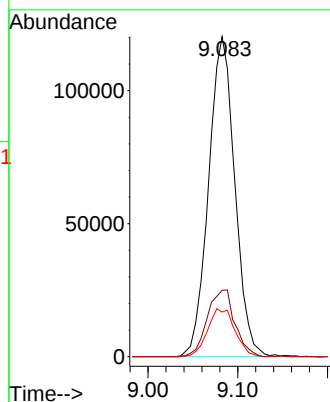
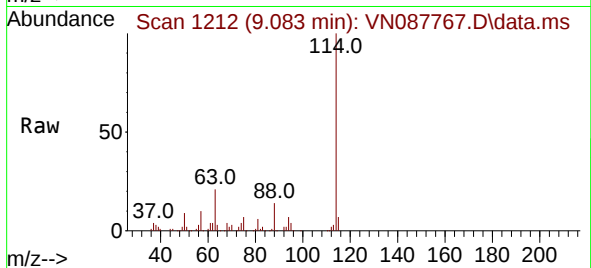
Tgt Ion:114 Resp: 244324

Ion Ratio Lower Upper

114 100

63 22.0 18.3 27.5

88 15.6 12.4 18.6



#57

Chlorobenzene-d5

Concen: 30.000 ug/l

RT: 11.841 min Scan# 1681

Delta R.T. -0.000 min

Lab File: VN087767.D

Acq: 09 Sep 2025 11:03

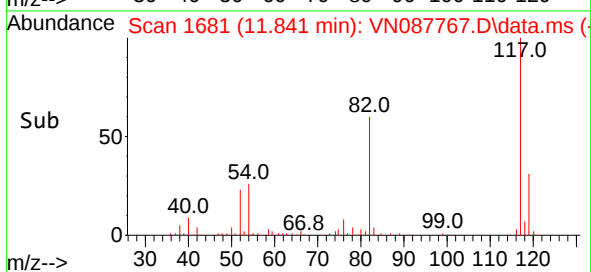
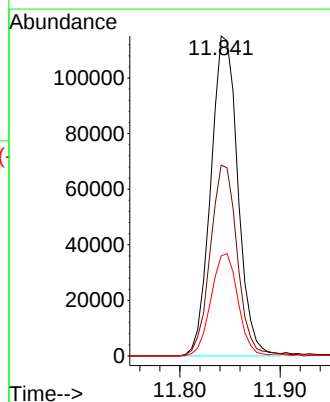
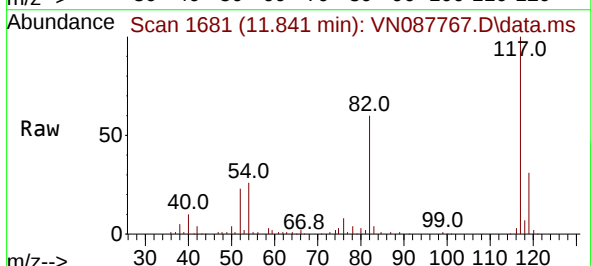
Tgt Ion:117 Resp: 216356

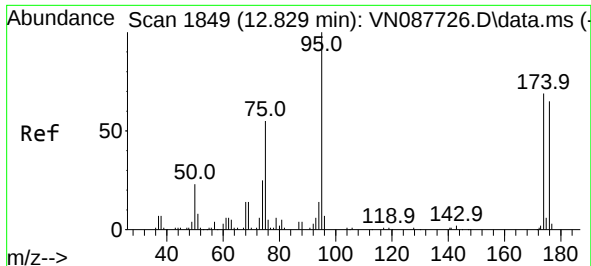
Ion Ratio Lower Upper

117 100

82 59.7 45.9 68.9

119 31.8 25.3 37.9

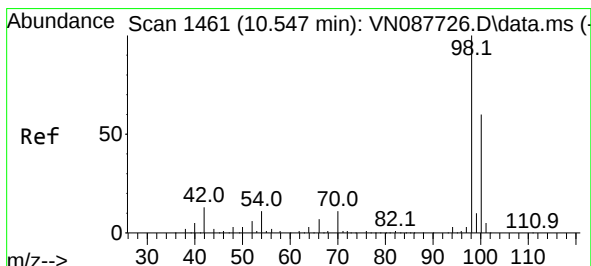
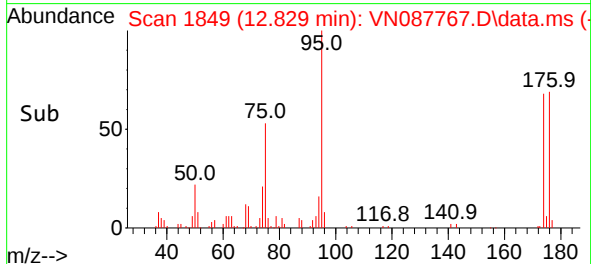
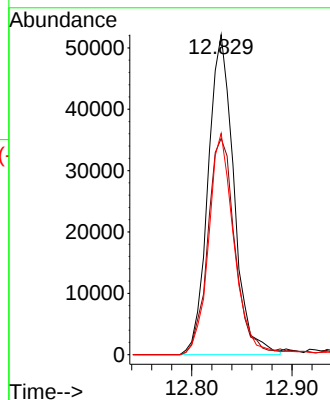
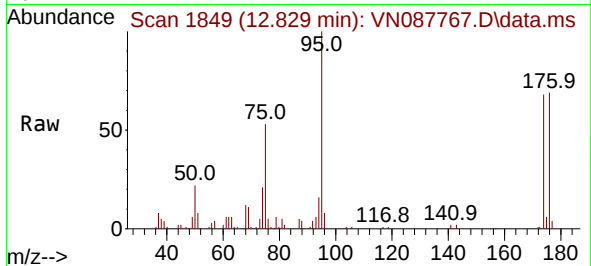




#60
4-Bromofluorobenzene
Concen: 26.757 ug/l
RT: 12.829 min Scan# 1849
Delta R.T. -0.000 min
Lab File: VN087767.D
Acq: 09 Sep 2025 11:03

Instrument :
MSVOA_N
ClientSampleId :
VN0909WBL01

Tgt Ion: 95 Resp: 93084
Ion Ratio Lower Upper
95 100
174 71.0 55.4 83.0
176 68.0 51.5 77.3



#63
Toluene-d8
Concen: 30.700 ug/l
RT: 10.547 min Scan# 1461
Delta R.T. -0.000 min
Lab File: VN087767.D
Acq: 09 Sep 2025 11:03

Tgt Ion: 98 Resp: 308897
Ion Ratio Lower Upper
98 100
100 62.6 50.6 76.0

