

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN092225\
 Data File : VN087920.D
 Acq On : 22 Sep 2025 14:27
 Operator : JC\MD
 Sample : IBLK
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 IBLK

Quant Time: Sep 23 04:54:06 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	7.800	128	54166	30.000	ug/l	0.00
28) 1,4-Difluorobenzene	9.082	114	256151	30.000	ug/l	0.00
57) Chlorobenzene-d5	11.841	117	235998	30.000	ug/l	0.00
System Monitoring Compounds						
27) 1,2-Dichloroethane-d4	8.565	65	131263	28.369	ug/l	0.00
Spiked Amount	30.000	Range	91 - 110	Recovery	=	94.567%
60) 4-Bromofluorobenzene	12.829	95	94897	25.008	ug/l	0.00
Spiked Amount	30.000	Range	63 - 112	Recovery	=	83.367%
63) Toluene-d8	10.547	98	315760	28.770	ug/l	0.00
Spiked Amount	30.000	Range	91 - 112	Recovery	=	95.900%

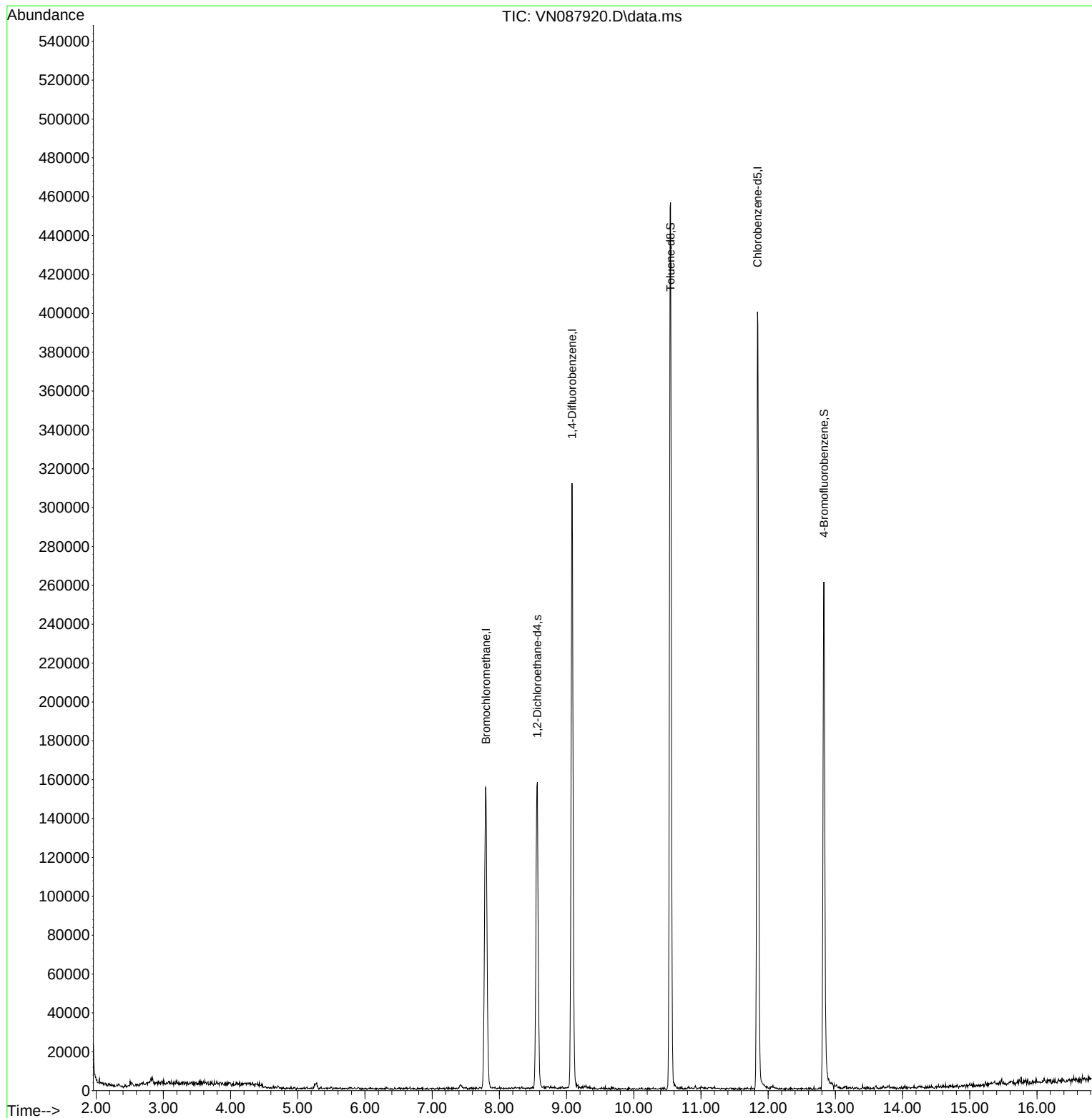
Target Compounds	Qvalue

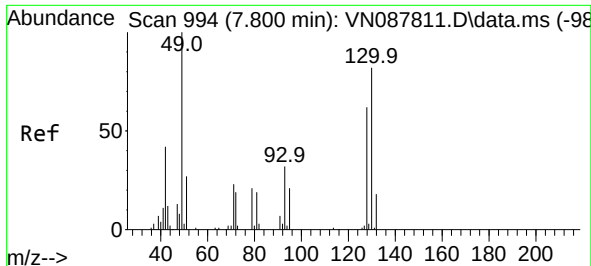
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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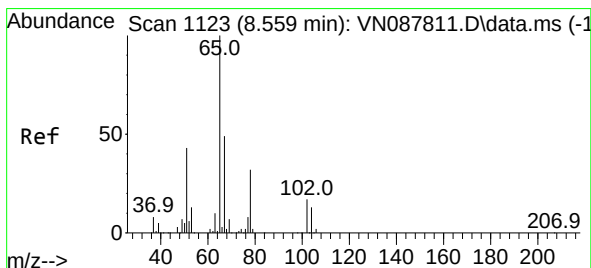
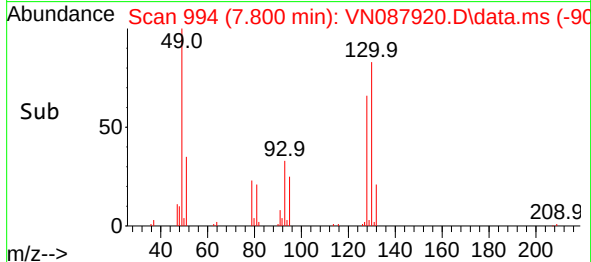
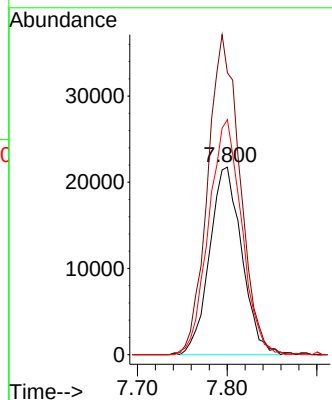
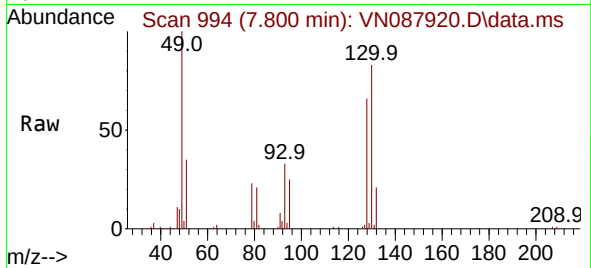




#1
Bromochloromethane
Concen: 30.000 ug/l
RT: 7.800 min Scan# 994
Delta R.T. 0.006 min
Lab File: VN087920.D
Acq: 22 Sep 2025 14:27

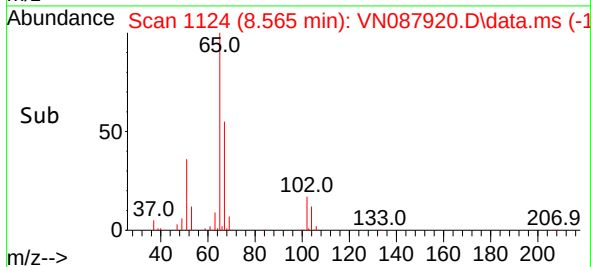
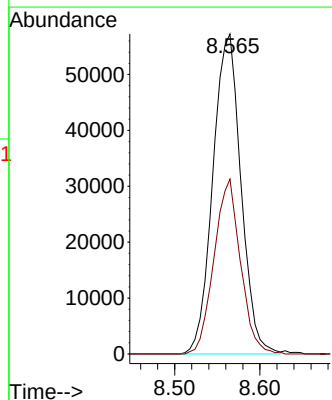
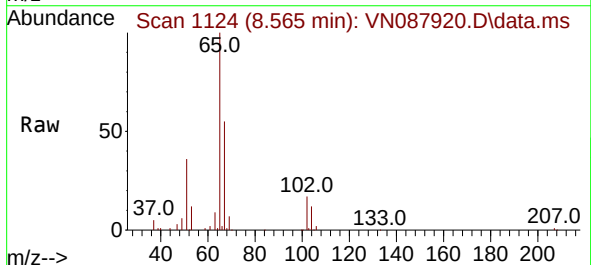
Instrument :
MSVOA_N
ClientSampleId :
IBLK

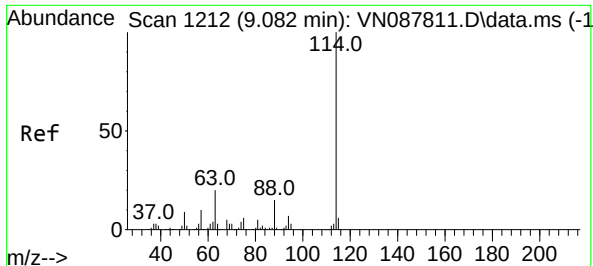
Tgt Ion:128 Resp: 54166
Ion Ratio Lower Upper
128 100
49 170.9 0.0 464.3
130 128.5 0.0 300.5



#27
1,2-Dichloroethane-d4
Concen: 28.369 ug/l
RT: 8.565 min Scan# 1124
Delta R.T. 0.006 min
Lab File: VN087920.D
Acq: 22 Sep 2025 14:27

Tgt Ion: 65 Resp: 131263
Ion Ratio Lower Upper
65 100
67 51.4 39.6 59.4

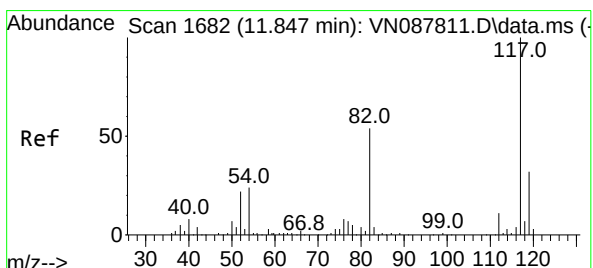
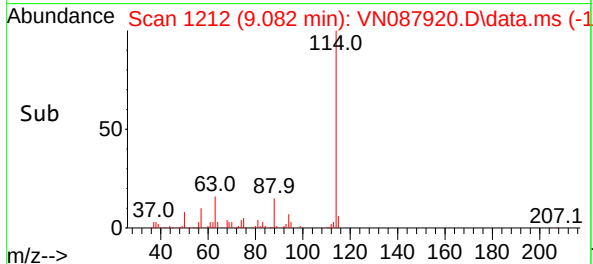
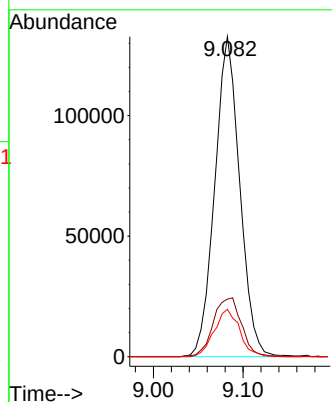
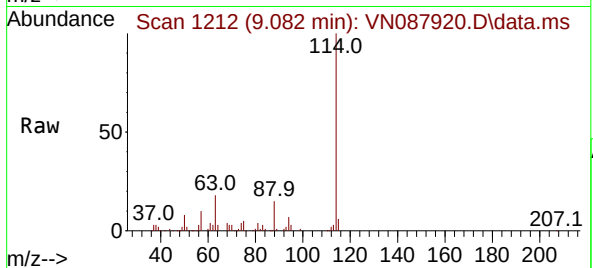




#28
1,4-Difluorobenzene
Concen: 30.000 ug/l
RT: 9.082 min Scan# 11
Delta R.T. -0.000 min
Lab File: VN087920.D
Acq: 22 Sep 2025 14:27

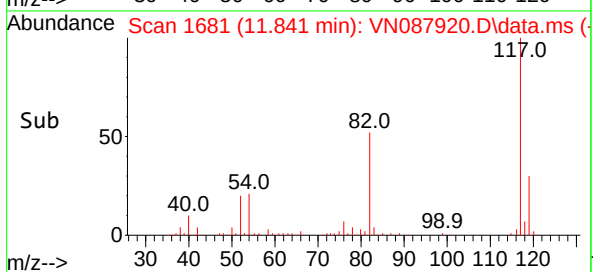
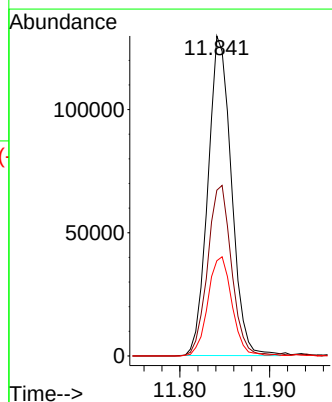
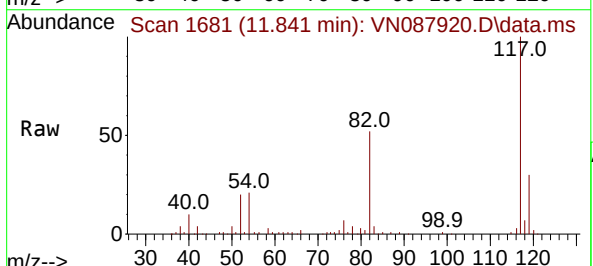
Instrument :
MSVOA_N
ClientSampleId :
IBLK

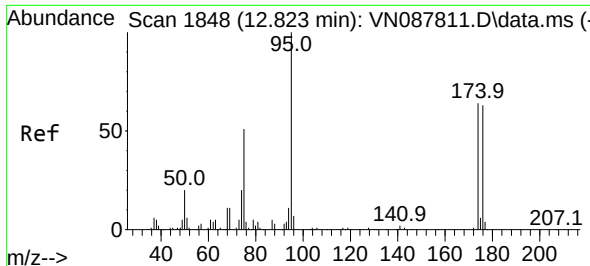
Tgt Ion:114 Resp: 256151
Ion Ratio Lower Upper
114 100
63 20.8 18.3 27.5
88 15.0 12.4 18.6



#57
Chlorobenzene-d5
Concen: 30.000 ug/l
RT: 11.841 min Scan# 1681
Delta R.T. -0.000 min
Lab File: VN087920.D
Acq: 22 Sep 2025 14:27

Tgt Ion:117 Resp: 235998
Ion Ratio Lower Upper
117 100
82 54.1 45.9 68.9
119 31.8 25.3 37.9

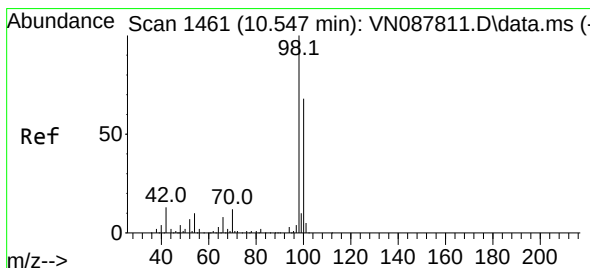
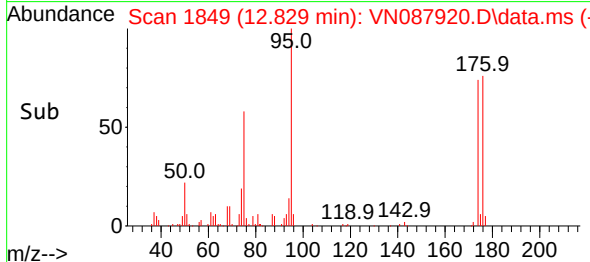
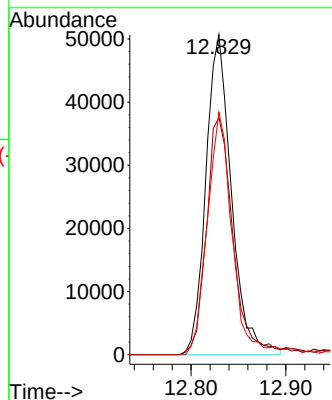
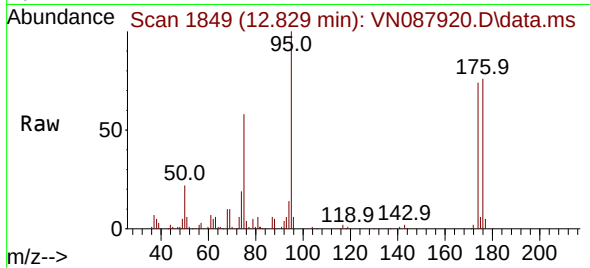




#60
4-Bromofluorobenzene
Concen: 25.008 ug/l
RT: 12.829 min Scan# 1848
Delta R.T. -0.000 min
Lab File: VN087920.D
Acq: 22 Sep 2025 14:27

Instrument :
MSVOA_N
ClientSampleId :
IBLK

Tgt Ion: 95 Resp: 94897
Ion Ratio Lower Upper
95 100
174 76.6 55.4 83.0
176 72.5 51.5 77.3



#63
Toluene-d8
Concen: 28.770 ug/l
RT: 10.547 min Scan# 1461
Delta R.T. -0.000 min
Lab File: VN087920.D
Acq: 22 Sep 2025 14:27

Tgt Ion: 98 Resp: 315760
Ion Ratio Lower Upper
98 100
100 63.9 50.6 76.0

