

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN071825\
 Data File : VN087365.D
 Acq On : 18 Jul 2025 14:41
 Operator : JC\MD
 Sample : Q2594-01 5X
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 CC-071325-RW

Quant Time: Jul 18 23:20:52 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	7.800	128	45269	30.000	ug/l	-0.02
28) 1,4-Difluorobenzene	9.082	114	203093	30.000	ug/l	-0.02
57) Chlorobenzene-d5	11.847	117	184441	30.000	ug/l	-0.02

System Monitoring Compounds						
27) 1,2-Dichloroethane-d4	8.565	65	101794	29.845	ug/l	-0.02
Spiked Amount	30.000	Range	91 - 110	Recovery	=	99.467%
60) 4-Bromofluorobenzene	12.829	95	79048	27.774	ug/l	-0.02
Spiked Amount	30.000	Range	63 - 112	Recovery	=	92.567%
63) Toluene-d8	10.547	98	241972	29.219	ug/l	-0.02
Spiked Amount	30.000	Range	91 - 112	Recovery	=	97.400%

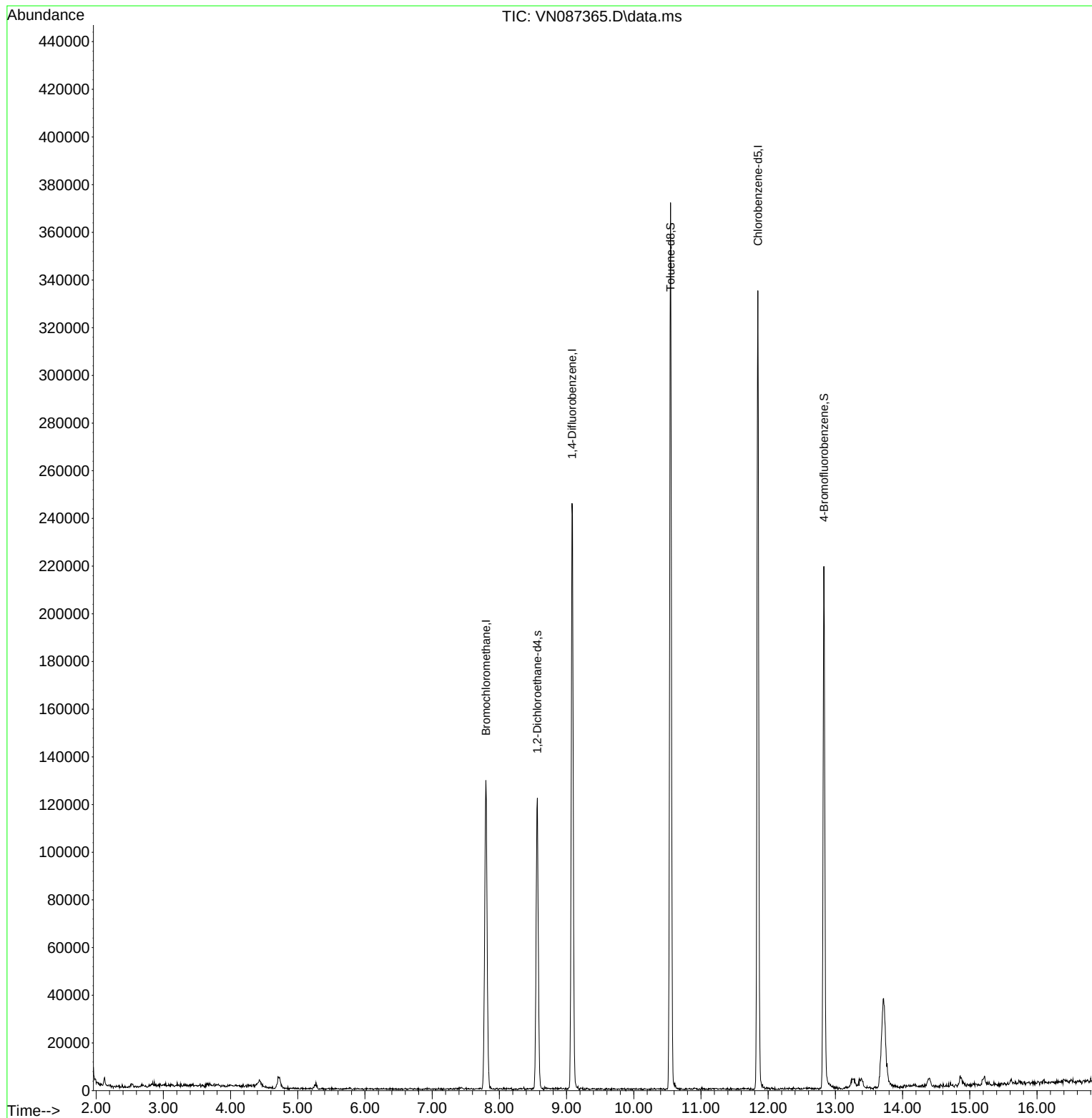
Target Compounds	Qvalue

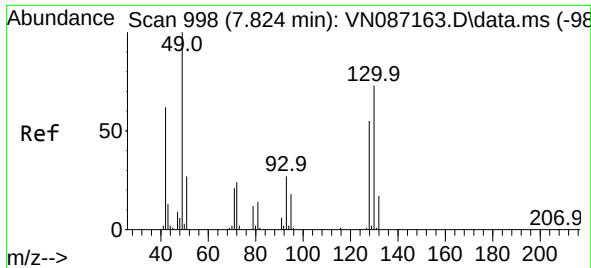
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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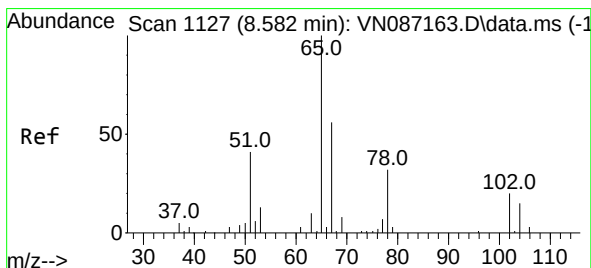
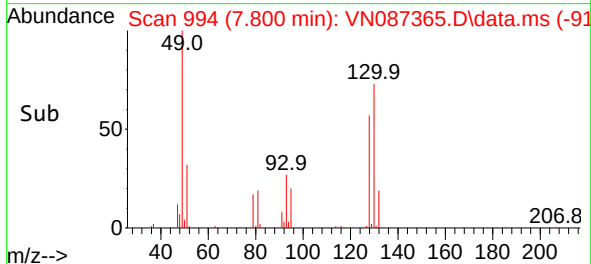
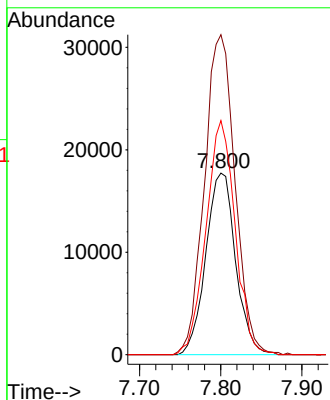
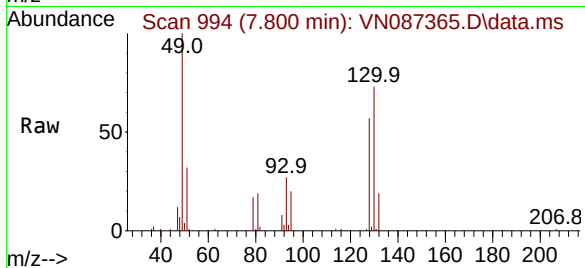




#1
Bromochloromethane
Concen: 30.000 ug/l
RT: 7.800 min Scan# 998
Delta R.T. -0.024 min
Lab File: VN087365.D
Acq: 18 Jul 2025 14:41

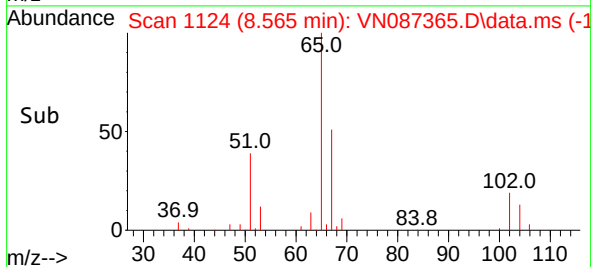
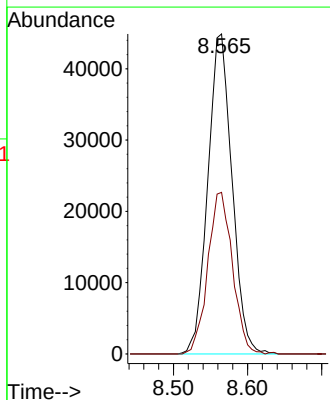
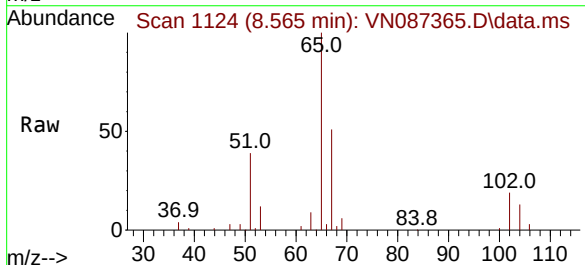
Instrument :
MSVOA_N
ClientSampleId :
CC-071325-RW

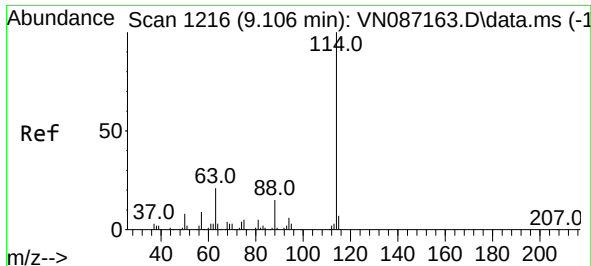
Tgt Ion:128 Resp: 45269
Ion Ratio Lower Upper
128 100
49 180.3 0.0 450.5
130 126.1 0.0 320.7



#27
1,2-Dichloroethane-d4
Concen: 29.845 ug/l
RT: 8.565 min Scan# 1124
Delta R.T. -0.018 min
Lab File: VN087365.D
Acq: 18 Jul 2025 14:41

Tgt Ion: 65 Resp: 101794
Ion Ratio Lower Upper
65 100
67 51.4 41.9 62.9





#28

1,4-Difluorobenzene

Concen: 30.000 ug/l

RT: 9.082 min Scan# 11

Delta R.T. -0.024 min

Lab File: VN087365.D

Acq: 18 Jul 2025 14:41

Instrument :

MSVOA_N

ClientSampleId :

CC-071325-RW

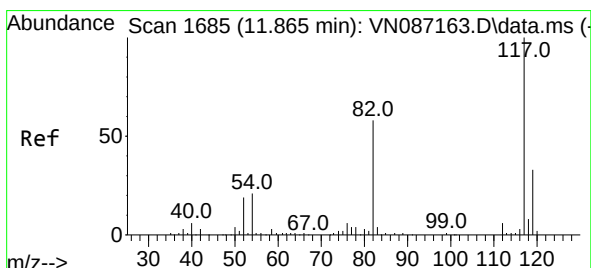
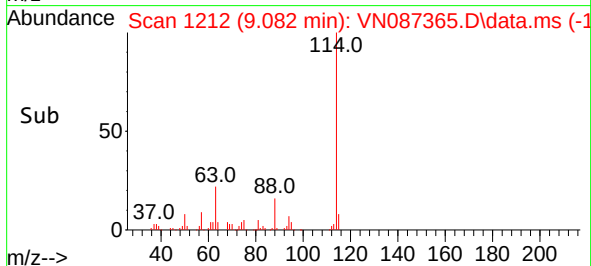
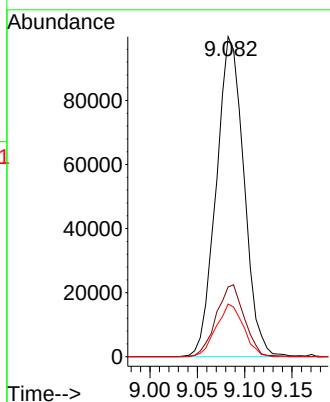
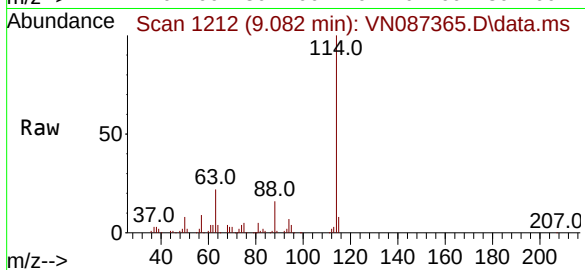
Tgt Ion:114 Resp: 203093

Ion Ratio Lower Upper

114 100

63 22.8 17.0 25.4

88 16.2 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: VN087365.D

Acq: 18 Jul 2025 14:41

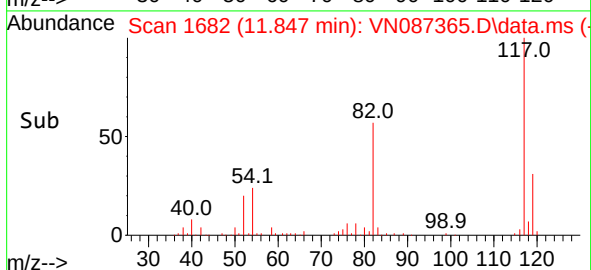
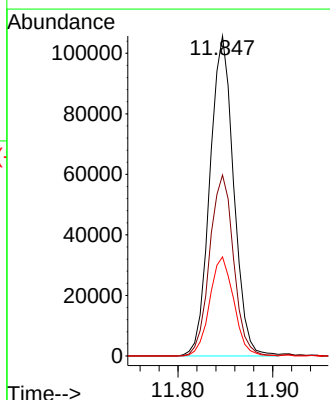
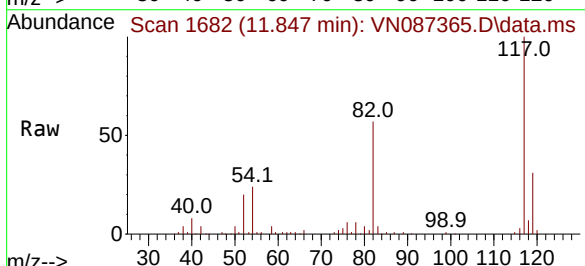
Tgt Ion:117 Resp: 184441

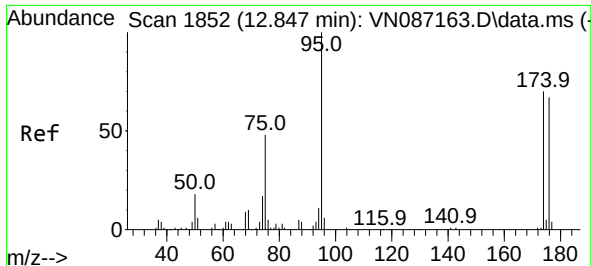
Ion Ratio Lower Upper

117 100

82 56.9 45.4 68.2

119 31.3 26.2 39.4

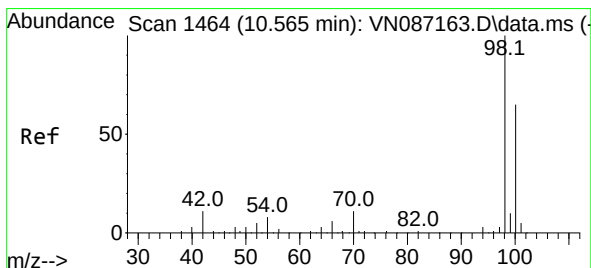
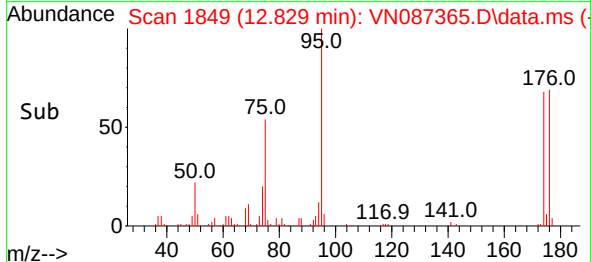
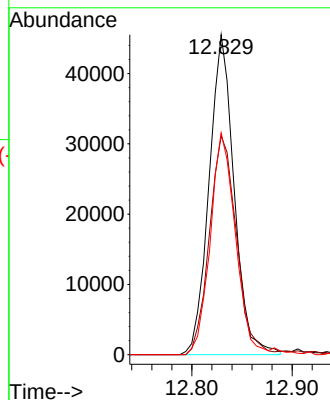
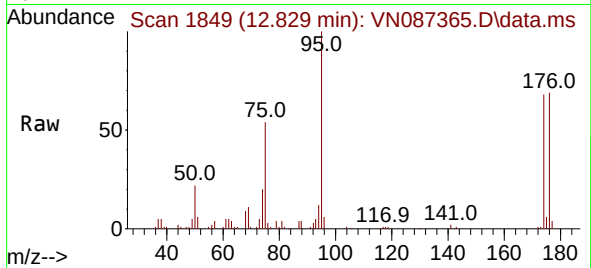




#60
4-Bromofluorobenzene
Concen: 27.774 ug/l
RT: 12.829 min Scan# 1849
Delta R.T. -0.018 min
Lab File: VN087365.D
Acq: 18 Jul 2025 14:41

Instrument :
MSVOA_N
ClientSampleId :
CC-071325-RW

Tgt Ion: 95 Resp: 79048
Ion Ratio Lower Upper
95 100
174 73.7 54.5 81.7
176 69.3 51.9 77.9



#63
Toluene-d8
Concen: 29.219 ug/l
RT: 10.547 min Scan# 1461
Delta R.T. -0.018 min
Lab File: VN087365.D
Acq: 18 Jul 2025 14:41

Tgt Ion: 98 Resp: 241972
Ion Ratio Lower Upper
98 100
100 65.4 52.5 78.7

