

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_N\Data\VN062525\  
 Data File : VN087167.D  
 Acq On : 25 Jun 2025 10:46  
 Operator : JC\MD  
 Sample : IBLK  
 Misc : 5.0mL/MSVOA\_N/WATER  
 ALS Vial : 7 Sample Multiplier: 1

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 IBLK

Quant Time: Jun 25 11:04:06 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       | 7.824  | 128   | 37466    | 30.000   | ug/l  | 0.00     |
| 28) 1,4-Difluorobenzene     | 9.106  | 114   | 213463   | 30.000   | ug/l  | 0.00     |
| 57) Chlorobenzene-d5        | 11.865 | 117   | 175794   | 30.000   | ug/l  | 0.00     |
| System Monitoring Compounds |        |       |          |          |       |          |
| 27) 1,2-Dichloroethane-d4   | 8.583  | 65    | 83691    | 29.647   | ug/l  | 0.00     |
| Spiked Amount               | 30.000 | Range | 91 - 110 | Recovery | =     | 98.833%  |
| 60) 4-Bromofluorobenzene    | 12.847 | 95    | 83620    | 30.825   | ug/l  | 0.00     |
| Spiked Amount               | 30.000 | Range | 63 - 112 | Recovery | =     | 102.767% |
| 63) Toluene-d8              | 10.571 | 98    | 241267   | 30.567   | ug/l  | 0.00     |
| Spiked Amount               | 30.000 | Range | 91 - 112 | Recovery | =     | 101.900% |

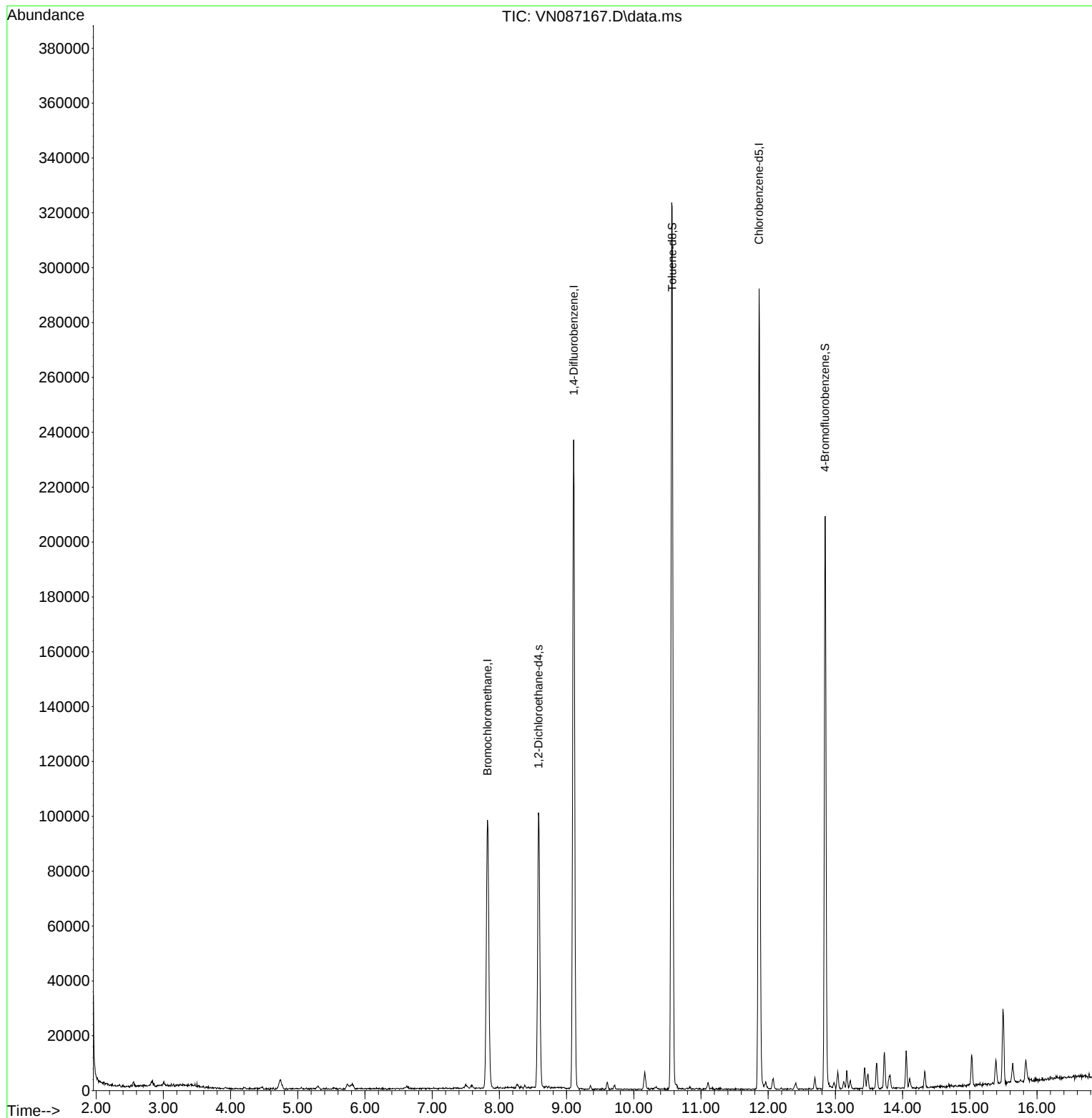
| Target Compounds | Qvalue |
|------------------|--------|
| -----            |        |

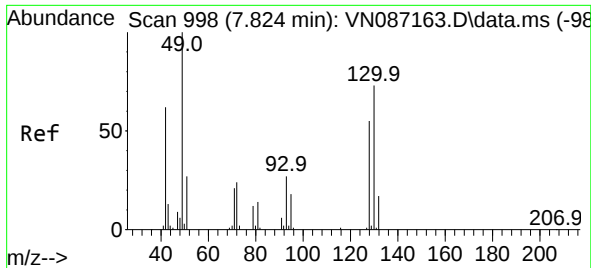
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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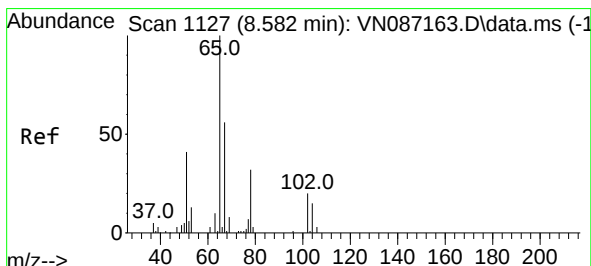
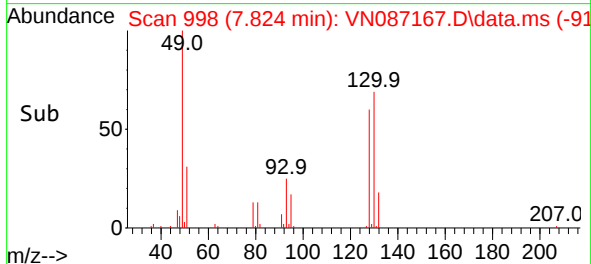
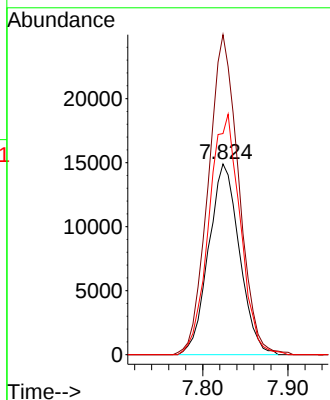
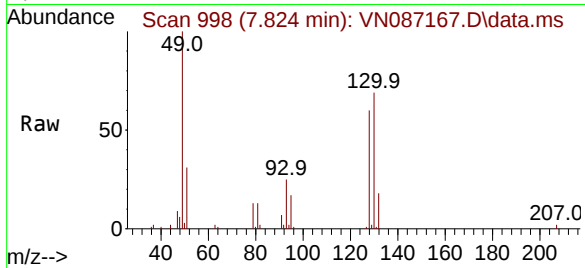




#1  
Bromochloromethane  
Concen: 30.000 ug/l  
RT: 7.824 min Scan# 998  
Delta R.T. -0.000 min  
Lab File: VN087167.D  
Acq: 25 Jun 2025 10:46

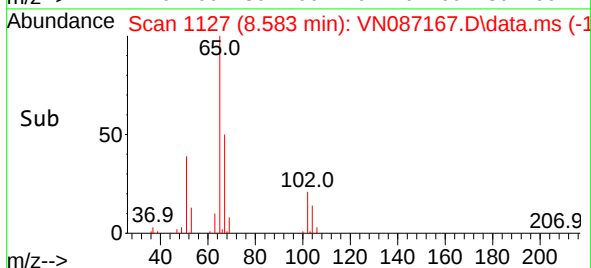
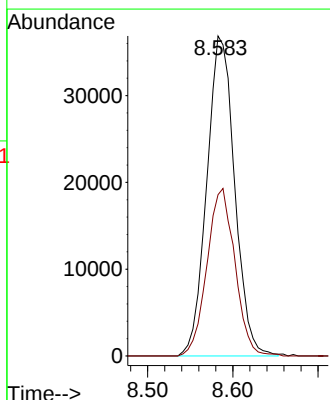
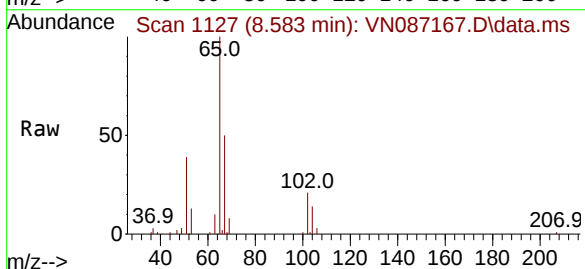
Instrument :  
MSVOA\_N  
ClientSampleId :  
IBLK

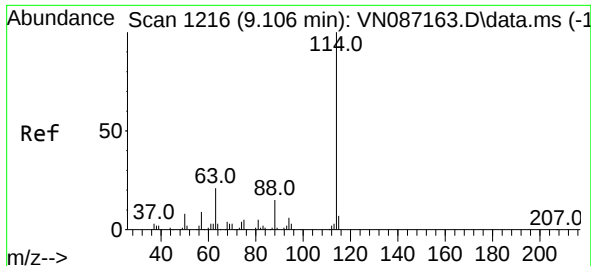
Tgt Ion:128 Resp: 37466  
Ion Ratio Lower Upper  
128 100  
49 165.6 0.0 450.5  
130 128.0 0.0 320.7



#27  
1,2-Dichloroethane-d4  
Concen: 29.647 ug/l  
RT: 8.583 min Scan# 1127  
Delta R.T. 0.000 min  
Lab File: VN087167.D  
Acq: 25 Jun 2025 10:46

Tgt Ion: 65 Resp: 83691  
Ion Ratio Lower Upper  
65 100  
67 52.5 41.9 62.9





#28

1,4-Difluorobenzene

Concen: 30.000 ug/l

RT: 9.106 min Scan# 1

Delta R.T. 0.000 min

Lab File: VN087167.D

Acq: 25 Jun 2025 10:46

Instrument :

MSVOA\_N

ClientSampleId :

IBLK

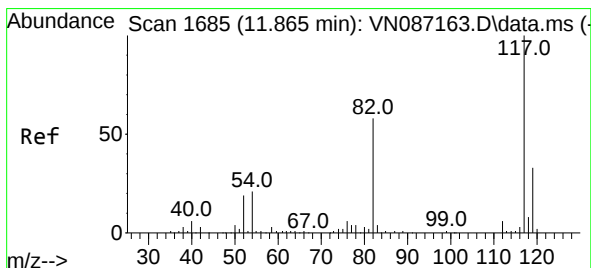
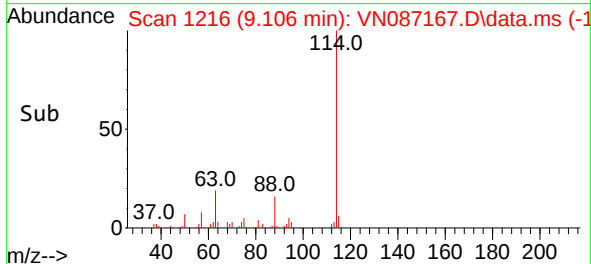
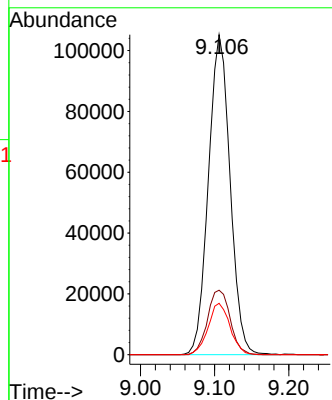
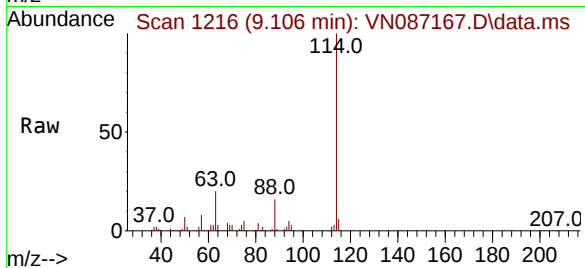
Tgt Ion:114 Resp: 213463

Ion Ratio Lower Upper

114 100

63 21.1 17.0 25.4

88 16.2 12.6 19.0



#57

Chlorobenzene-d5

Concen: 30.000 ug/l

RT: 11.865 min Scan# 1685

Delta R.T. 0.000 min

Lab File: VN087167.D

Acq: 25 Jun 2025 10:46

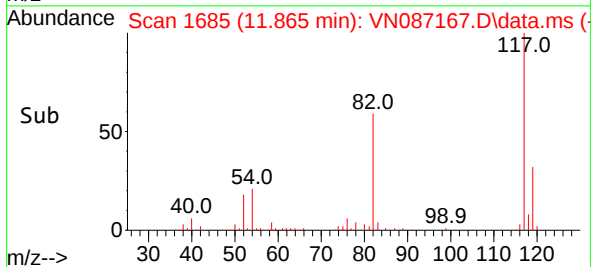
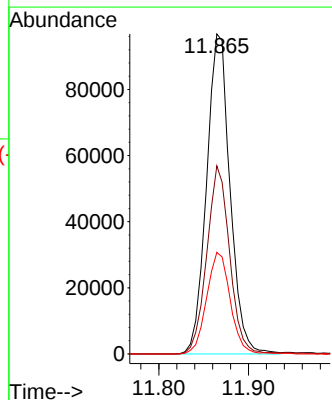
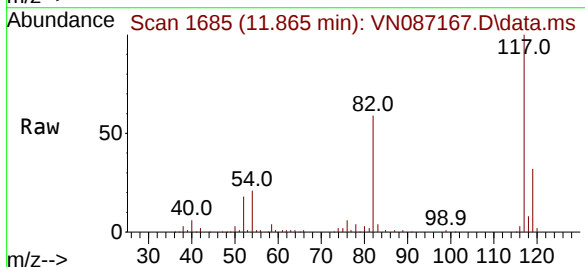
Tgt Ion:117 Resp: 175794

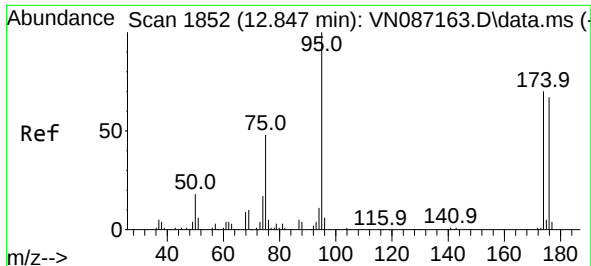
Ion Ratio Lower Upper

117 100

82 57.0 45.4 68.2

119 31.8 26.2 39.4

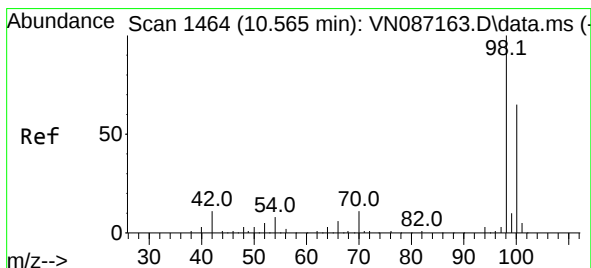
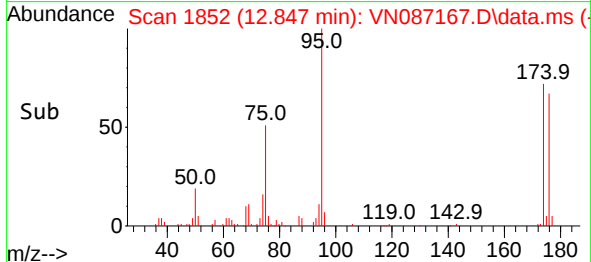
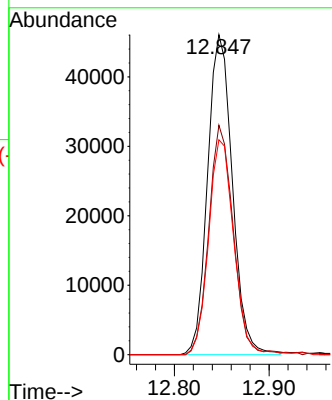
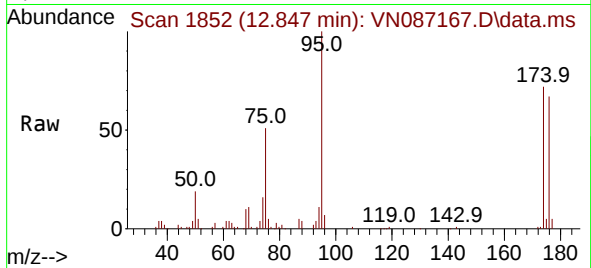




#60  
4-Bromofluorobenzene  
Concen: 30.825 ug/l  
RT: 12.847 min Scan# 11  
Delta R.T. 0.000 min  
Lab File: VN087167.D  
Acq: 25 Jun 2025 10:46

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ClientSampleId :  
IBLK

Tgt Ion: 95 Resp: 83620  
Ion Ratio Lower Upper  
95 100  
174 70.1 54.5 81.7  
176 67.5 51.9 77.9



#63  
Toluene-d8  
Concen: 30.567 ug/l  
RT: 10.571 min Scan# 1465  
Delta R.T. 0.006 min  
Lab File: VN087167.D  
Acq: 25 Jun 2025 10:46

Tgt Ion: 98 Resp: 241267  
Ion Ratio Lower Upper  
98 100  
100 65.8 52.5 78.7

