

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_N\Data\VN062525\  
 Data File : VN087171.D  
 Acq On : 25 Jun 2025 12:36  
 Operator : JC\MD  
 Sample : VN0625WBL01  
 Misc : 5.0mL/MSVOA\_N/WATER  
 ALS Vial : 11 Sample Multiplier: 1

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 VN0625WBL01

Quant Time: Jun 25 15:30:51 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  | 33553    | 30.000 | ug/l  | 0.00     |
| 28) 1,4-Difluorobenzene | 9.106  | 114  | 188572   | 30.000 | ug/l  | 0.00     |
| 57) Chlorobenzene-d5    | 11.865 | 117  | 167117   | 30.000 | ug/l  | 0.00     |

|                             |        |       |          |          |      |         |
|-----------------------------|--------|-------|----------|----------|------|---------|
| System Monitoring Compounds |        |       |          |          |      |         |
| 27) 1,2-Dichloroethane-d4   | 8.583  | 65    | 72893    | 28.834   | ug/l | 0.00    |
| Spiked Amount               | 30.000 | Range | 91 - 110 | Recovery | =    | 96.100% |
| 60) 4-Bromofluorobenzene    | 12.847 | 95    | 70577    | 27.368   | ug/l | 0.00    |
| Spiked Amount               | 30.000 | Range | 63 - 112 | Recovery | =    | 91.233% |
| 63) Toluene-d8              | 10.565 | 98    | 222058   | 29.594   | ug/l | 0.00    |
| Spiked Amount               | 30.000 | Range | 91 - 112 | Recovery | =    | 98.633% |

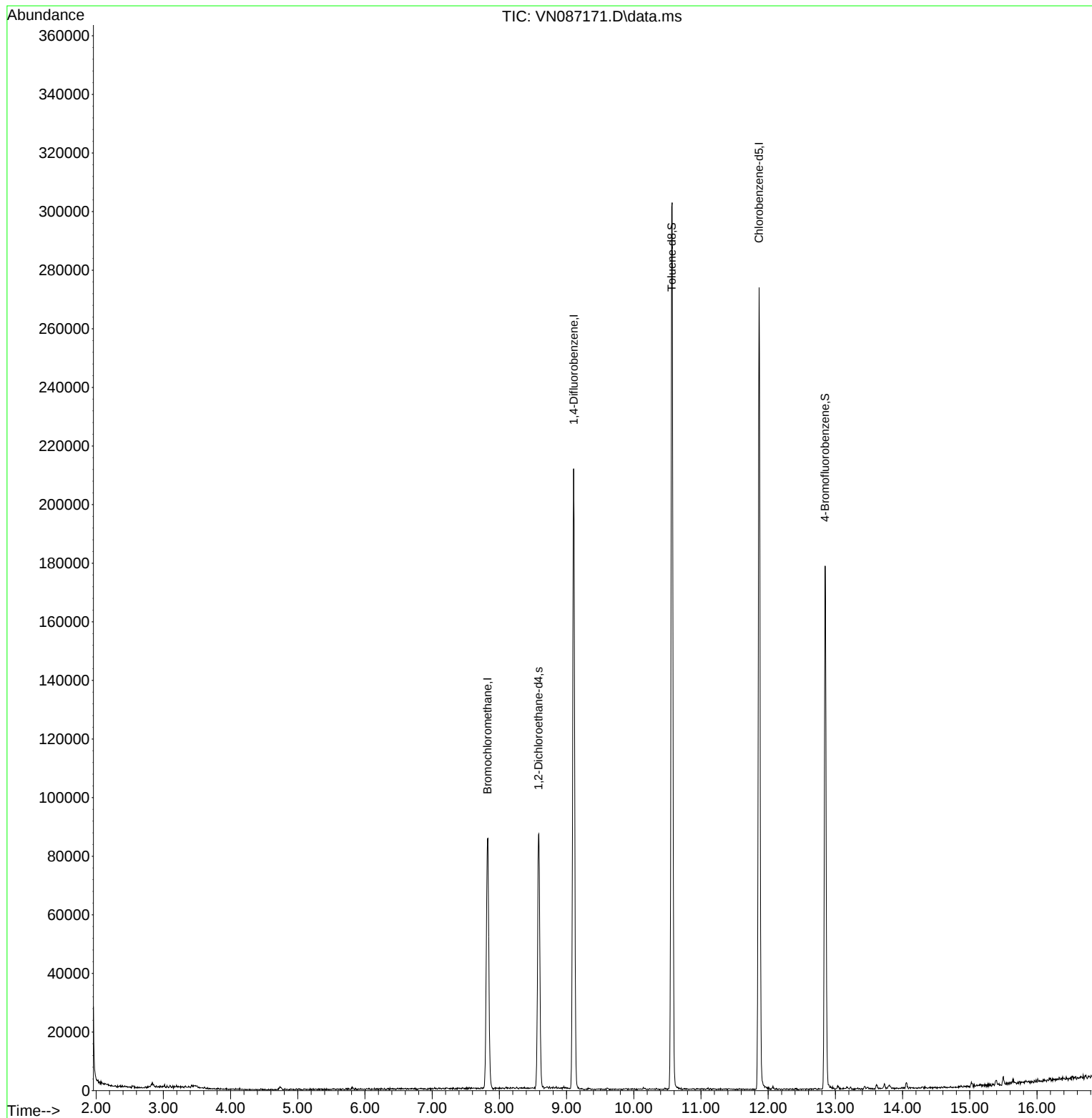
| Target Compounds | Qvalue |
|------------------|--------|
| -----            |        |

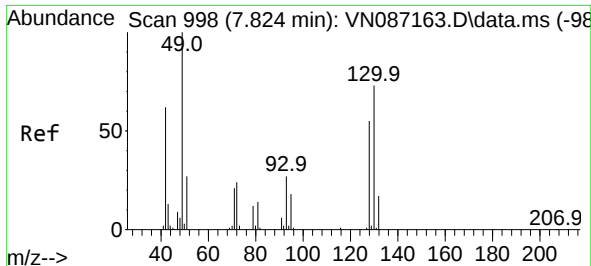
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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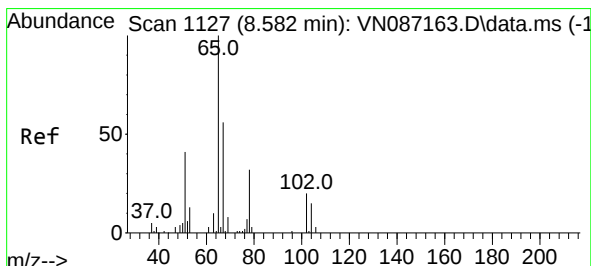
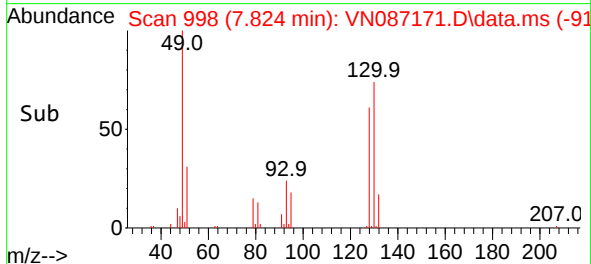
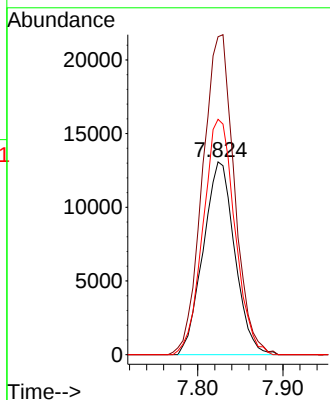
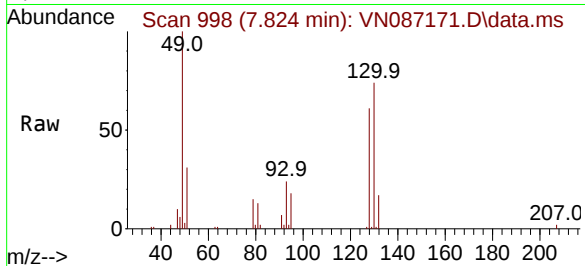




#1  
Bromochloromethane  
Concen: 30.000 ug/l  
RT: 7.824 min Scan# 91  
Delta R.T. -0.000 min  
Lab File: VN087171.D  
Acq: 25 Jun 2025 12:36

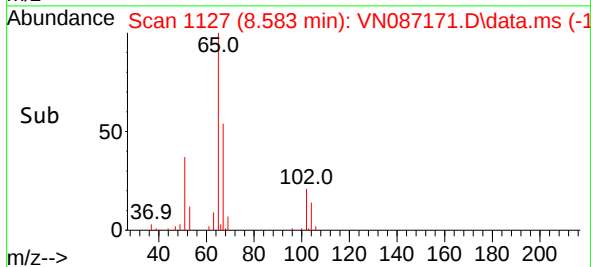
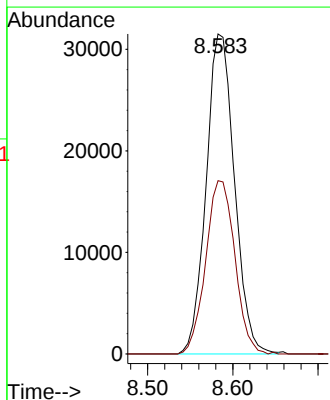
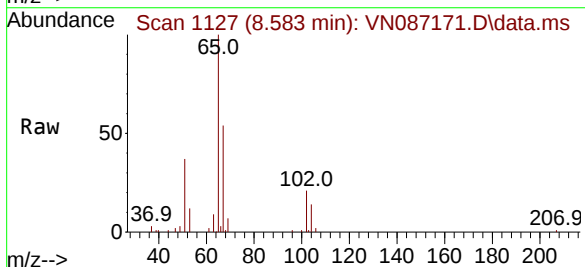
Instrument :  
MSVOA\_N  
ClientSampleId :  
VN0625WBL01

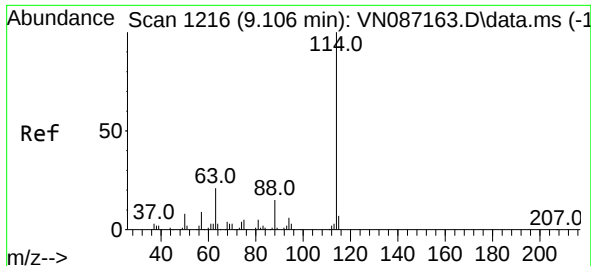
Tgt Ion:128 Resp: 33553  
Ion Ratio Lower Upper  
128 100  
49 167.4 0.0 450.5  
130 123.4 0.0 320.7



#27  
1,2-Dichloroethane-d4  
Concen: 28.834 ug/l  
RT: 8.583 min Scan# 1127  
Delta R.T. 0.000 min  
Lab File: VN087171.D  
Acq: 25 Jun 2025 12:36

Tgt Ion: 65 Resp: 72893  
Ion Ratio Lower Upper  
65 100  
67 55.6 41.9 62.9

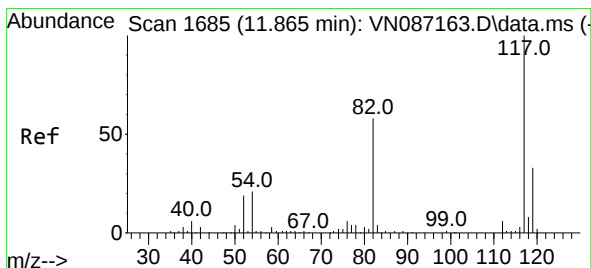
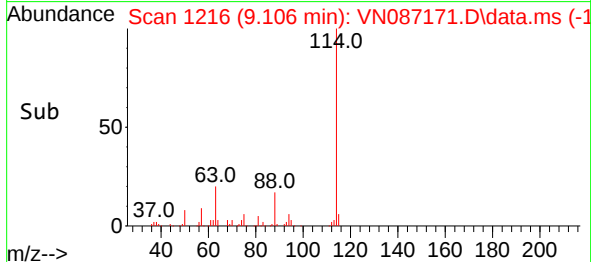
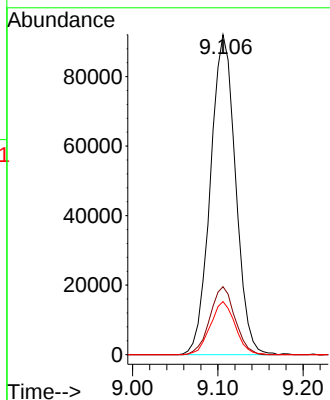
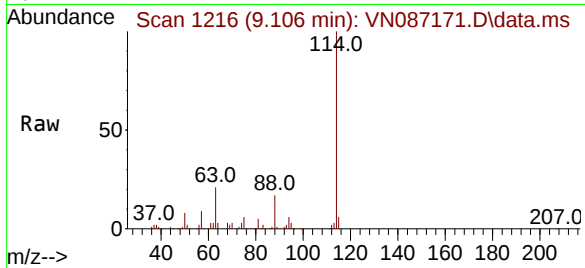




#28  
1,4-Difluorobenzene  
Concen: 30.000 ug/l  
RT: 9.106 min Scan# 11  
Delta R.T. 0.000 min  
Lab File: VN087171.D  
Acq: 25 Jun 2025 12:36

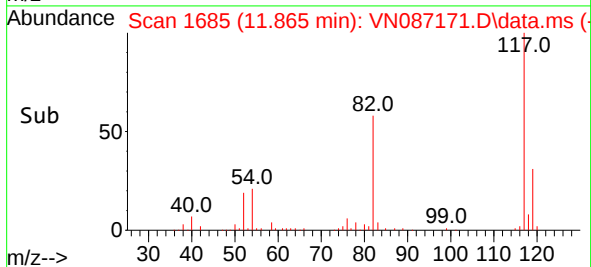
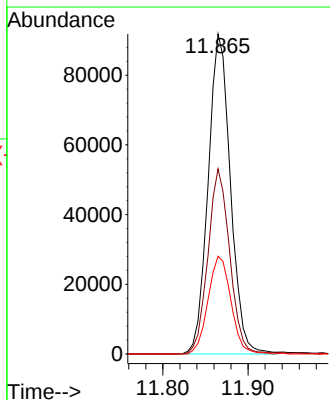
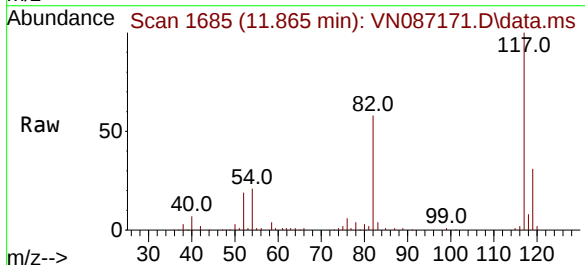
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ClientSampleId :  
VN0625WBL01

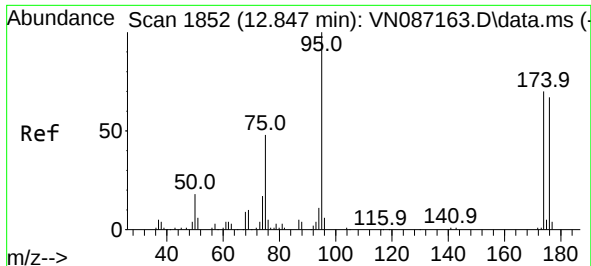
Tgt Ion:114 Resp: 188572  
Ion Ratio Lower Upper  
114 100  
63 21.1 17.0 25.4  
88 16.4 12.6 19.0



#57  
Chlorobenzene-d5  
Concen: 30.000 ug/l  
RT: 11.865 min Scan# 1685  
Delta R.T. 0.000 min  
Lab File: VN087171.D  
Acq: 25 Jun 2025 12:36

Tgt Ion:117 Resp: 167117  
Ion Ratio Lower Upper  
117 100  
82 56.4 45.4 68.2  
119 31.3 26.2 39.4

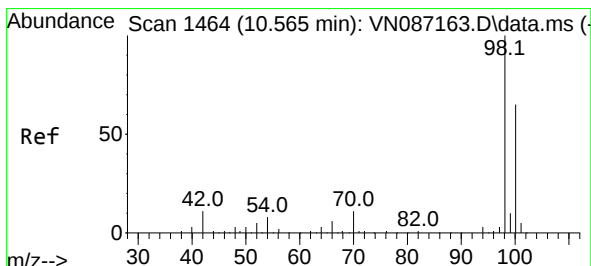
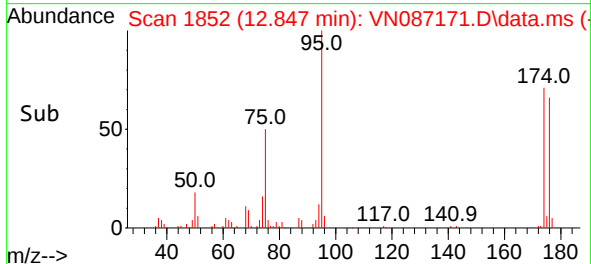
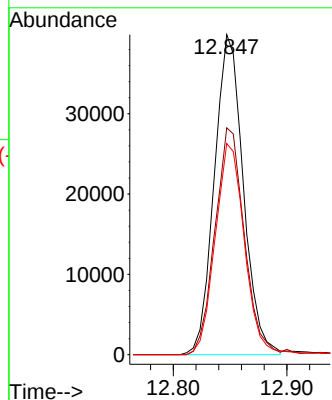
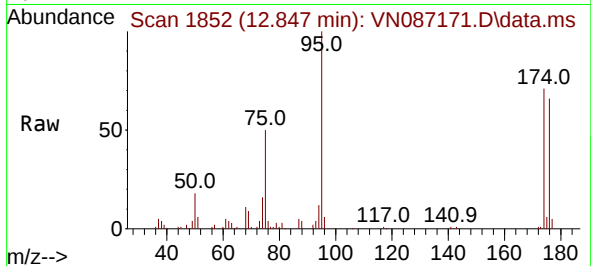




#60  
4-Bromofluorobenzene  
Concen: 27.368 ug/l  
RT: 12.847 min Scan# 11  
Delta R.T. 0.000 min  
Lab File: VN087171.D  
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Tgt Ion: 95 Resp: 70577  
Ion Ratio Lower Upper  
95 100  
174 71.4 54.5 81.7  
176 66.7 51.9 77.9



#63  
Toluene-d8  
Concen: 29.594 ug/l  
RT: 10.565 min Scan# 1464  
Delta R.T. 0.000 min  
Lab File: VN087171.D  
Acq: 25 Jun 2025 12:36

Tgt Ion: 98 Resp: 222058  
Ion Ratio Lower Upper  
98 100  
100 65.3 52.5 78.7

