

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_N\Data\VN102524\  
 Data File : VN084507.D  
 Acq On : 25 Oct 2024 11:27  
 Operator : JC\MD  
 Sample : VN1025WBL01  
 Misc : 5.0mL/MSVOA\_N/WATER  
 ALS Vial : 1 Sample Multiplier: 1

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 VN1025WBL01

Quant Time: Oct 26 05:28:03 2024  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_N\methods\624N100824W.M  
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS  
 QLast Update : Wed Oct 09 02:22:28 2024  
 Response via : Initial Calibration

| Compound                | R.T.   | QIon | Response | Conc   | Units | Dev(Min) |
|-------------------------|--------|------|----------|--------|-------|----------|
| -----                   |        |      |          |        |       |          |
| Internal Standards      |        |      |          |        |       |          |
| 1) Bromochloromethane   | 7.812  | 128  | 32302    | 30.000 | ug/l  | 0.00     |
| 28) 1,4-Difluorobenzene | 9.100  | 114  | 175246   | 30.000 | ug/l  | 0.00     |
| 57) Chlorobenzene-d5    | 11.865 | 117  | 150285   | 30.000 | ug/l  | 0.00     |

|                             |        |       |          |          |      |          |
|-----------------------------|--------|-------|----------|----------|------|----------|
| System Monitoring Compounds |        |       |          |          |      |          |
| 27) 1,2-Dichloroethane-d4   | 8.577  | 65    | 77974    | 29.983   | ug/l | 0.00     |
| Spiked Amount               | 30.000 | Range | 91 - 110 | Recovery | =    | 99.933%  |
| 60) 4-Bromofluorobenzene    | 12.847 | 95    | 65032    | 26.219   | ug/l | 0.00     |
| Spiked Amount               | 30.000 | Range | 63 - 112 | Recovery | =    | 87.400%  |
| 63) Toluene-d8              | 10.565 | 98    | 209499   | 30.091   | ug/l | 0.00     |
| Spiked Amount               | 30.000 | Range | 91 - 112 | Recovery | =    | 100.300% |

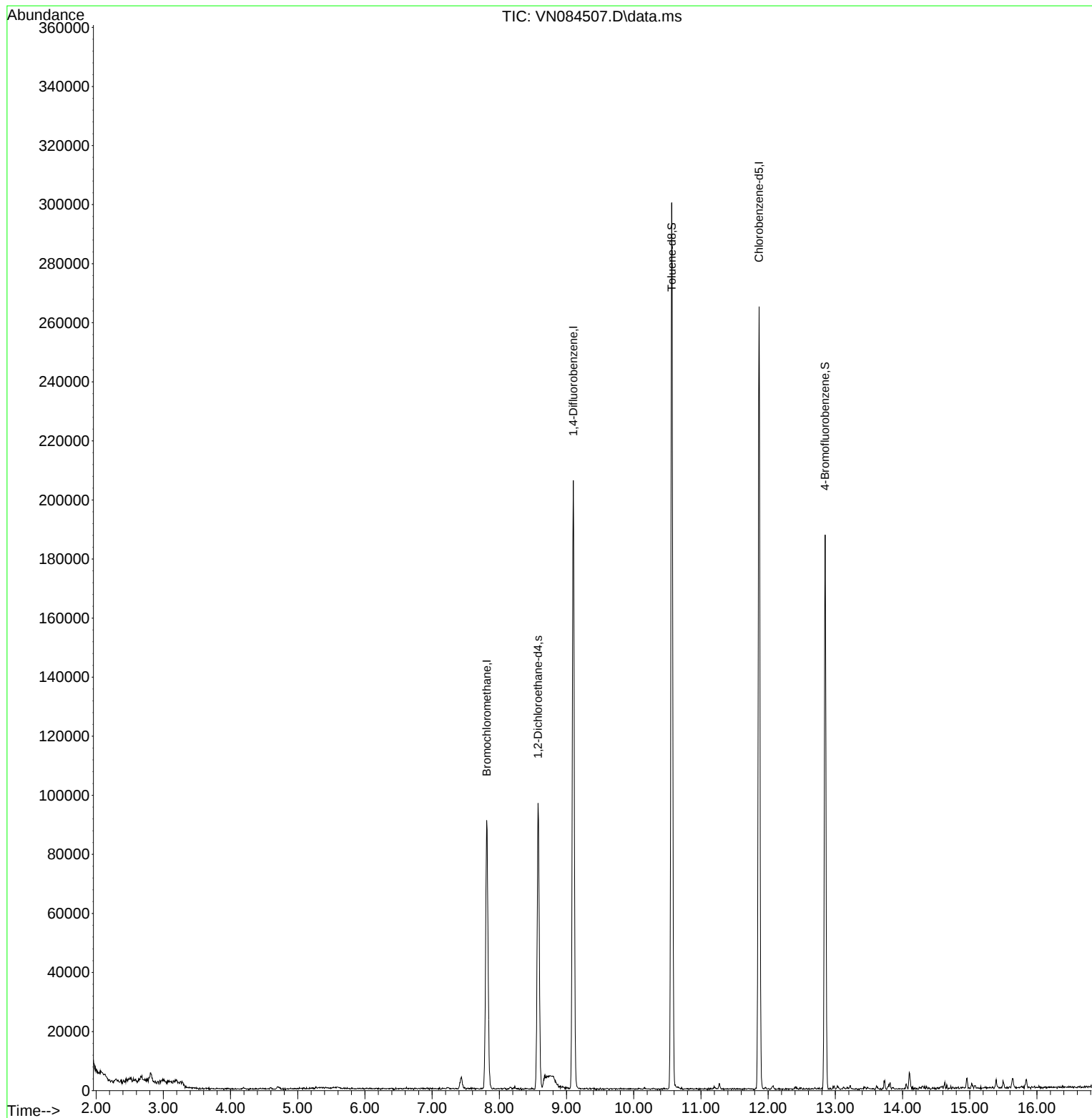
| Target Compounds | Qvalue |
|------------------|--------|
| -----            |        |

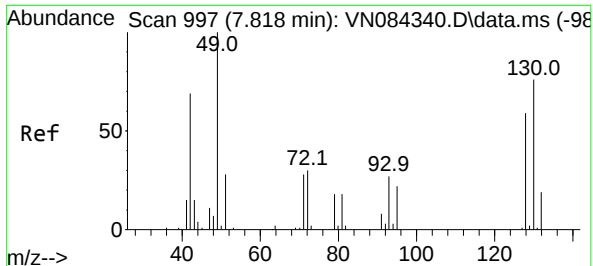
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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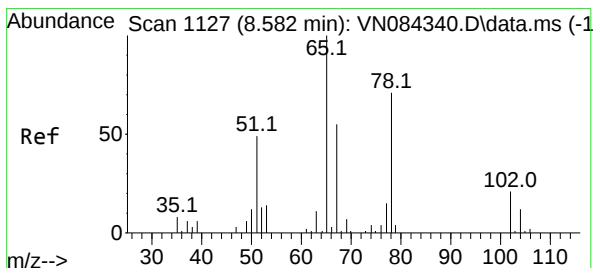
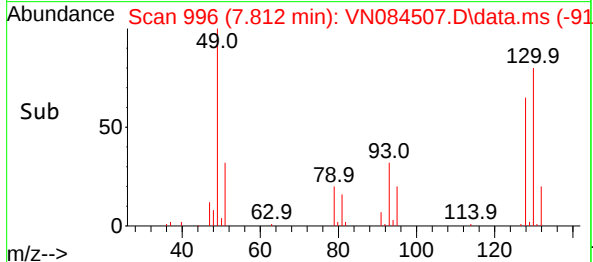
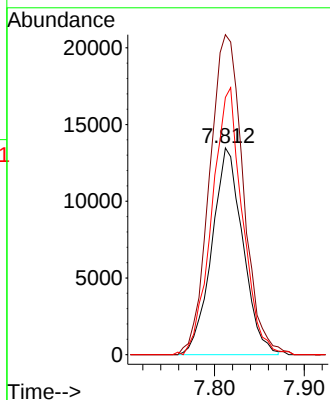
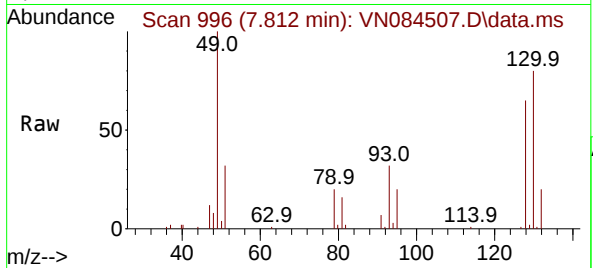




#1  
Bromochloromethane  
Concen: 30.000 ug/l  
RT: 7.812 min Scan# 91  
Delta R.T. -0.006 min  
Lab File: VN084507.D  
Acq: 25 Oct 2024 11:27

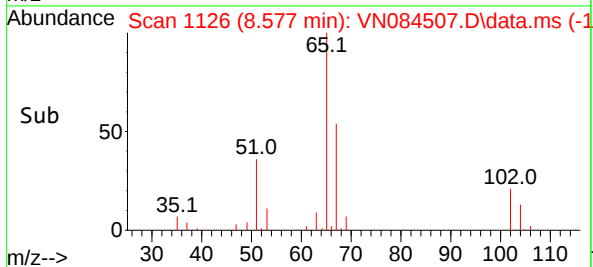
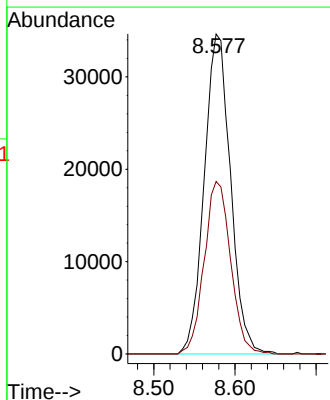
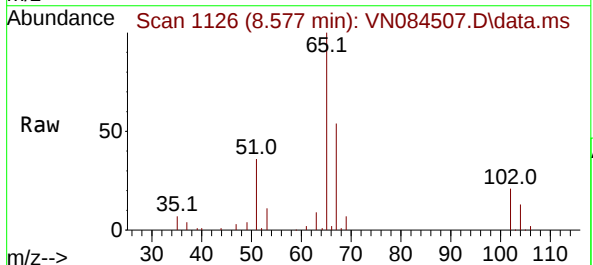
Instrument :  
MSVOA\_N  
ClientSampleId :  
VN1025WBL01

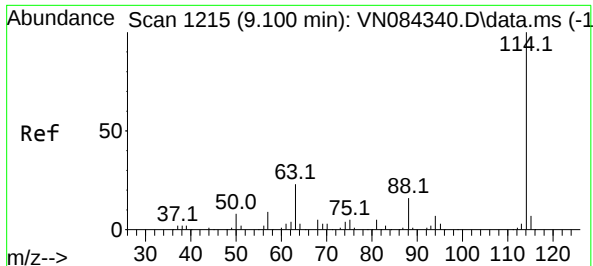
Tgt Ion:128 Resp: 32302  
Ion Ratio Lower Upper  
128 100  
49 168.1 0.0 430.0  
130 127.3 0.0 329.8



#27  
1,2-Dichloroethane-d4  
Concen: 29.983 ug/l  
RT: 8.577 min Scan# 1126  
Delta R.T. -0.006 min  
Lab File: VN084507.D  
Acq: 25 Oct 2024 11:27

Tgt Ion: 65 Resp: 77974  
Ion Ratio Lower Upper  
65 100  
67 54.1 41.5 62.3





#28

1,4-Difluorobenzene

Concen: 30.000 ug/l

RT: 9.100 min Scan# 11

Delta R.T. 0.000 min

Lab File: VN084507.D

Acq: 25 Oct 2024 11:27

Instrument :

MSVOA\_N

ClientSampleId :

VN1025WBL01

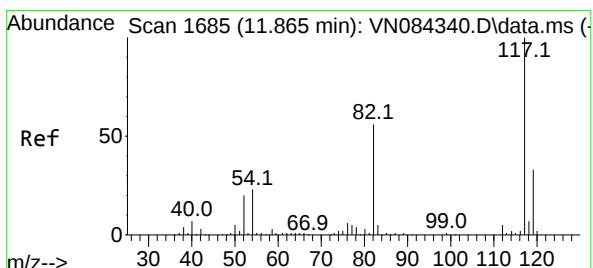
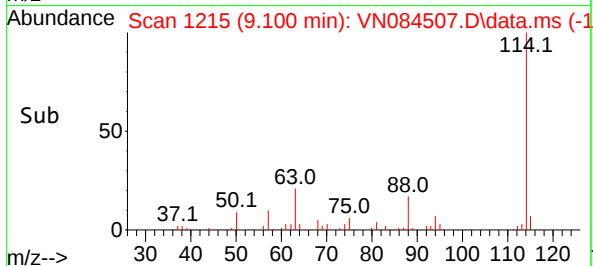
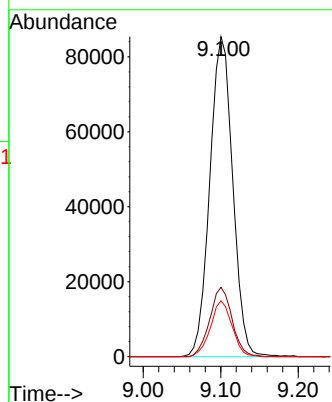
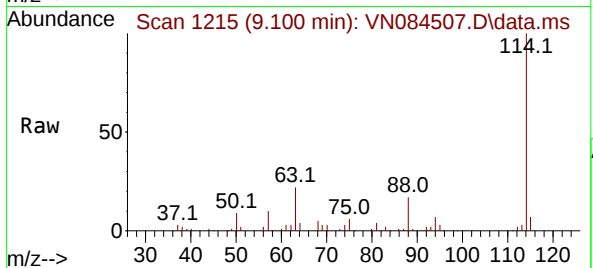
Tgt Ion:114 Resp: 175246

Ion Ratio Lower Upper

114 100

63 21.1 17.4 26.0

88 16.4 13.2 19.8



#57

Chlorobenzene-d5

Concen: 30.000 ug/l

RT: 11.865 min Scan# 1685

Delta R.T. 0.000 min

Lab File: VN084507.D

Acq: 25 Oct 2024 11:27

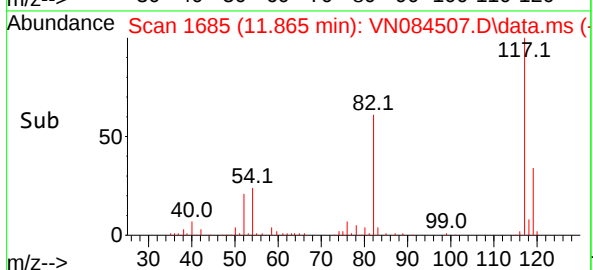
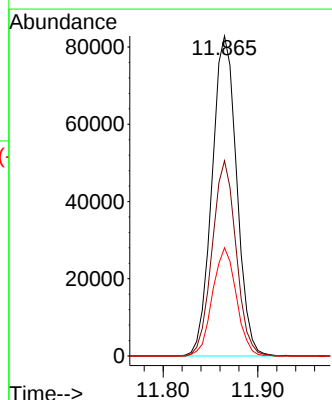
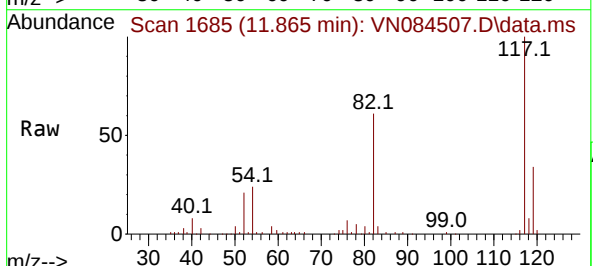
Tgt Ion:117 Resp: 150285

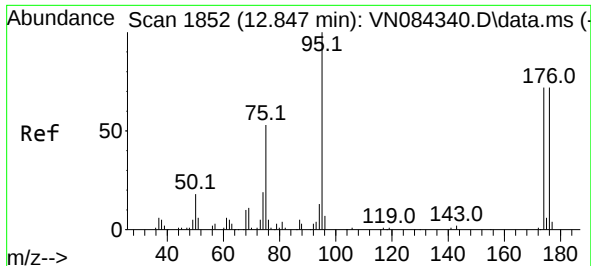
Ion Ratio Lower Upper

117 100

82 59.1 46.2 69.4

119 32.6 25.4 38.2

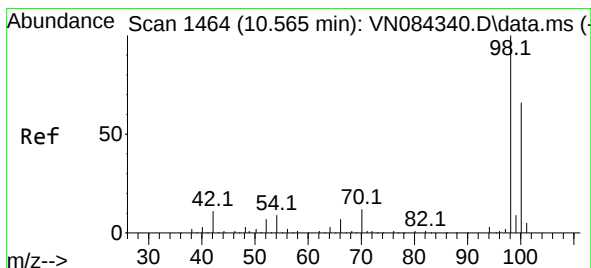
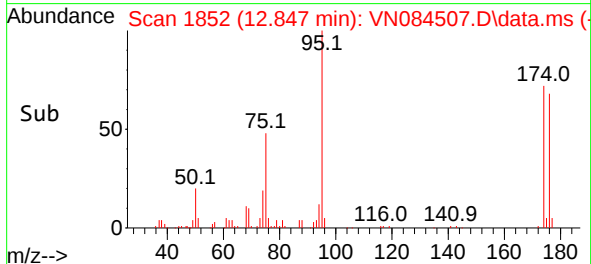
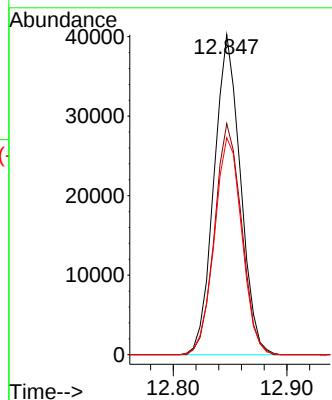
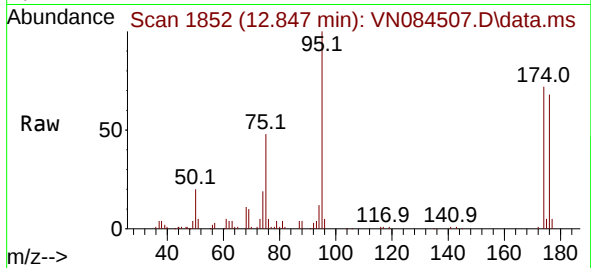




#60  
4-Bromofluorobenzene  
Concen: 26.219 ug/l  
RT: 12.847 min Scan# 1852  
Delta R.T. 0.000 min  
Lab File: VN084507.D  
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Tgt Ion: 95 Resp: 65032  
Ion Ratio Lower Upper  
95 100  
174 73.9 58.2 87.2  
176 70.7 56.4 84.6



#63  
Toluene-d8  
Concen: 30.091 ug/l  
RT: 10.565 min Scan# 1464  
Delta R.T. 0.000 min  
Lab File: VN084507.D  
Acq: 25 Oct 2024 11:27

Tgt Ion: 98 Resp: 209499  
Ion Ratio Lower Upper  
98 100  
100 63.7 52.5 78.7

