

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_N\Data\VN111524\  
Data File : VN084878.D  
Acq On : 15 Nov 2024 18:48  
Operator : JC\MD  
Sample : P4867-02 5X  
Misc : 5.0mL/MSVOA\_N/WATER  
ALS Vial : 14 Sample Multiplier: 1

Instrument :  
MSVOA\_N  
ClientSampleId :  
TT-070-IDWGW-20241113

Quant Time: Nov 15 22:29:19 2024  
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_N\methods\624N103124W.M  
Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS  
QLast Update : Fri Nov 01 02:38:04 2024  
Response via : Initial Calibration

| Compound                | R.T.   | QIon | Response | Conc   | Units | Dev(Min) |
|-------------------------|--------|------|----------|--------|-------|----------|
| -----                   |        |      |          |        |       |          |
| Internal Standards      |        |      |          |        |       |          |
| 1) Bromochloromethane   | 7.806  | 128  | 26101    | 30.000 | ug/l  | 0.00     |
| 28) 1,4-Difluorobenzene | 9.100  | 114  | 127160   | 30.000 | ug/l  | 0.00     |
| 57) Chlorobenzene-d5    | 11.865 | 117  | 115728   | 30.000 | ug/l  | 0.00     |

|                             |        |       |          |          |      |          |
|-----------------------------|--------|-------|----------|----------|------|----------|
| System Monitoring Compounds |        |       |          |          |      |          |
| 27) 1,2-Dichloroethane-d4   | 8.577  | 65    | 63478    | 30.251   | ug/l | 0.00     |
| Spiked Amount               | 30.000 | Range | 91 - 110 | Recovery | =    | 100.833% |
| 60) 4-Bromofluorobenzene    | 12.847 | 95    | 48856    | 24.518   | ug/l | 0.00     |
| Spiked Amount               | 30.000 | Range | 63 - 112 | Recovery | =    | 81.733%  |
| 63) Toluene-d8              | 10.565 | 98    | 154153   | 28.137   | ug/l | 0.00     |
| Spiked Amount               | 30.000 | Range | 91 - 112 | Recovery | =    | 93.800%  |

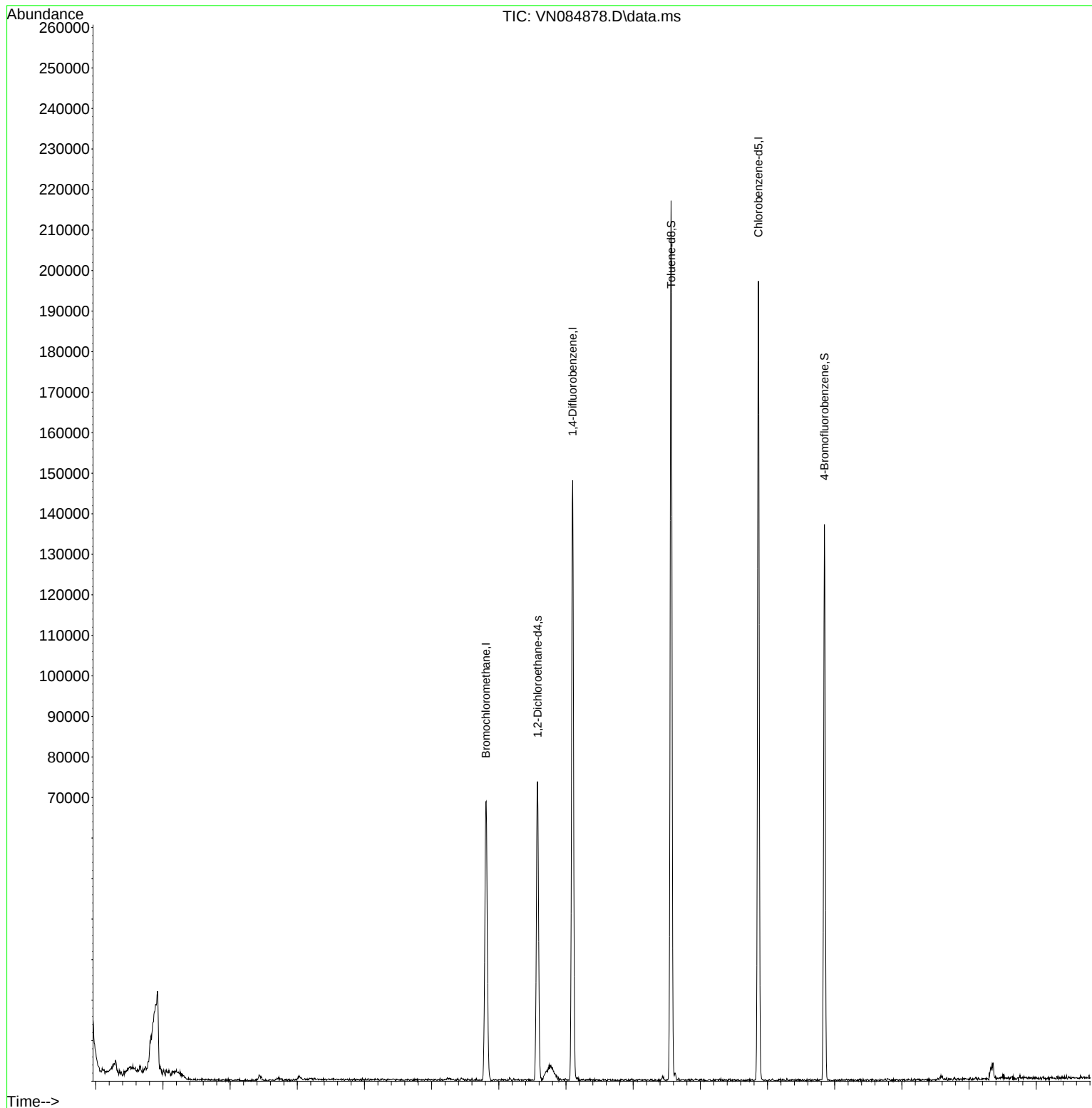
| Target Compounds | Qvalue |
|------------------|--------|
| -----            |        |

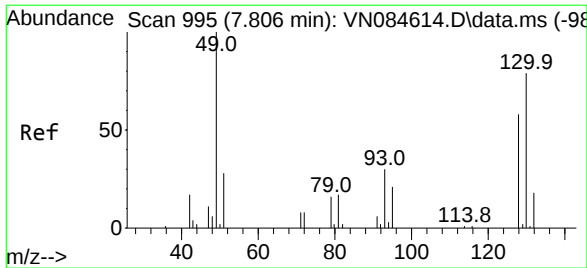
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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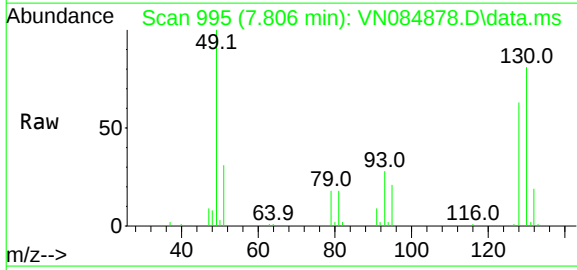
Quant Time: Nov 15 22:29:19 2024  
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_N\methods\624N103124W.M  
Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS  
QLast Update : Fri Nov 01 02:38:04 2024  
Response via : Initial Calibration



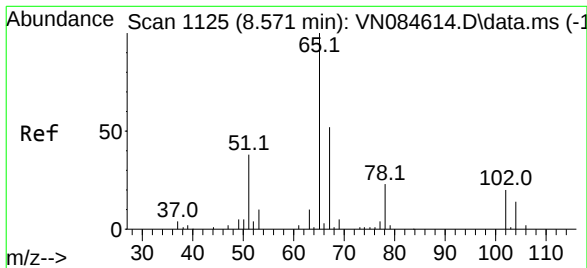
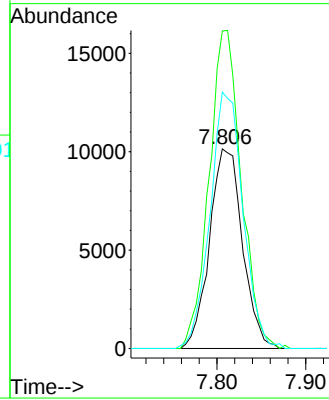
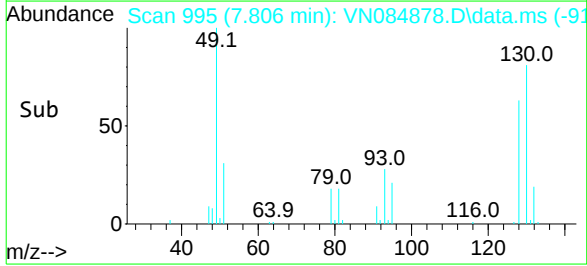


#1  
Bromochloromethane  
Concen: 30.000 ug/l  
RT: 7.806 min Scan# 995  
Delta R.T. 0.000 min  
Lab File: VN084878.D  
Acq: 15 Nov 2024 18:48

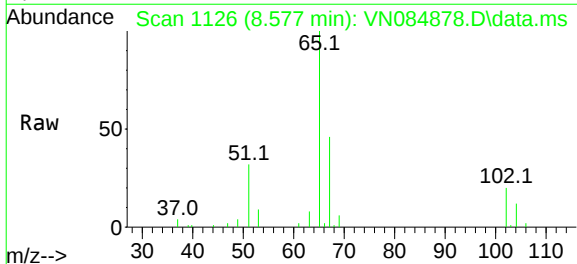
Instrument :  
MSVOA\_N  
ClientSampleId :  
TT-070-IDWGW-20241113



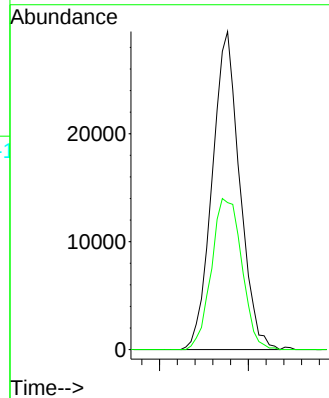
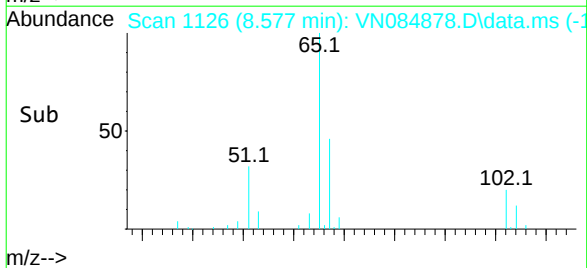
Tgt Ion:128 Resp: 26101  
Ion Ratio Lower Upper  
128 100  
49 155.3 0.0 427.0  
130 128.3 0.0 322.2

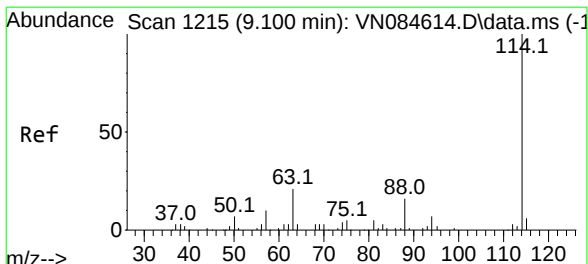


#27  
1,2-Dichloroethane-d4  
Concen: 30.251 ug/l  
RT: 8.577 min Scan# 1126  
Delta R.T. 0.006 min  
Lab File: VN084878.D  
Acq: 15 Nov 2024 18:48



Tgt Ion: 65 Resp: 63478  
Ion Ratio Lower Upper  
65 100  
67 52.3 40.7 61.1

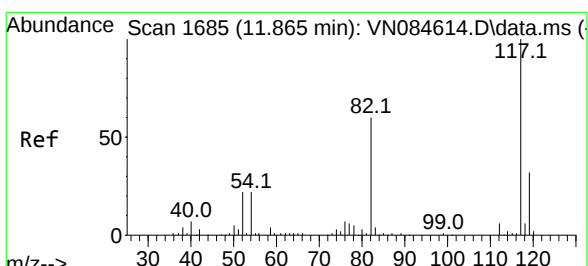
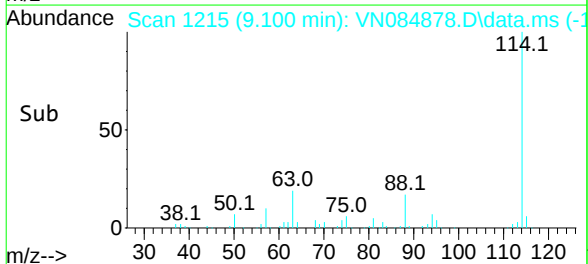
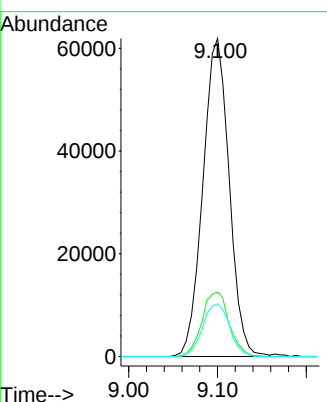
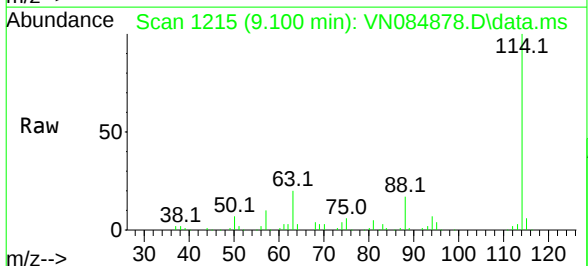




#28  
 1,4-Difluorobenzene  
 Concen: 30.000 ug/l  
 RT: 9.100 min Scan# 1215  
 Delta R.T. -0.000 min  
 Lab File: VN084878.D  
 Acq: 15 Nov 2024 18:48

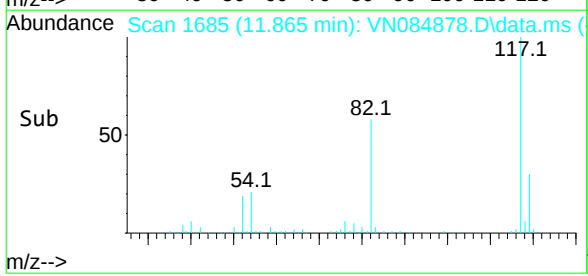
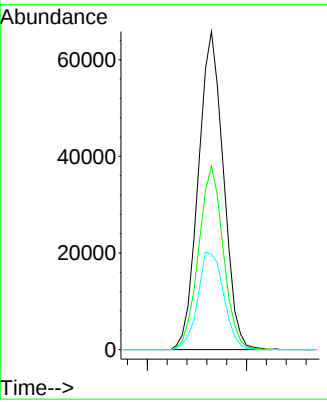
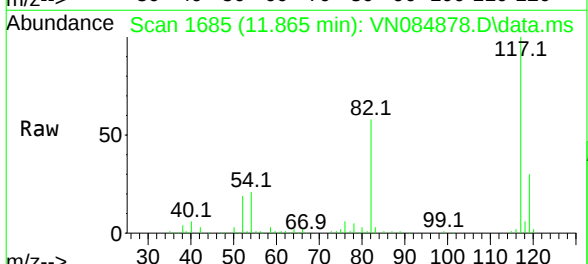
Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 TT-070-IDWGW-20241113

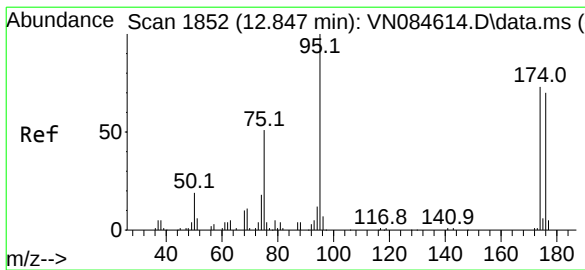
|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 114   | Resp: | 127160 |
| Ion      | Ratio | Lower | Upper  |
| 114      | 100   |       |        |
| 63       | 21.0  | 16.8  | 25.2   |
| 88       | 17.0  | 12.9  | 19.3   |



#57  
 Chlorobenzene-d5  
 Concen: 30.000 ug/l  
 RT: 11.865 min Scan# 1685  
 Delta R.T. -0.000 min  
 Lab File: VN084878.D  
 Acq: 15 Nov 2024 18:48

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 117   | Resp: | 115728 |
| Ion      | Ratio | Lower | Upper  |
| 117      | 100   |       |        |
| 82       | 56.6  | 45.5  | 68.3   |
| 119      | 31.7  | 25.3  | 37.9   |





#60

4-Bromofluorobenzene

Concen: 24.518 ug/l

RT: 12.847 min Scan# 18

Delta R.T. -0.000 min

Lab File: VN084878.D

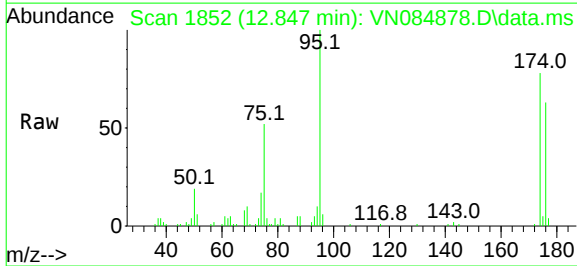
Acq: 15 Nov 2024 18:48

Instrument :

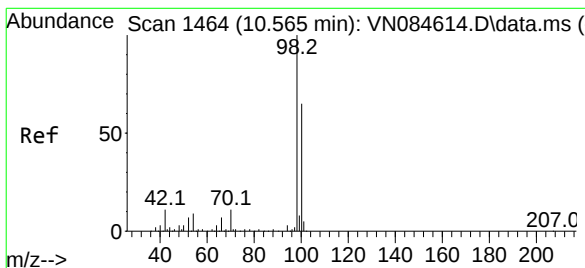
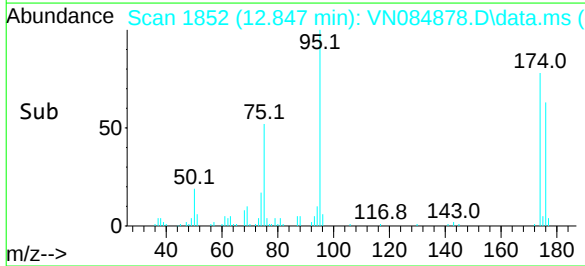
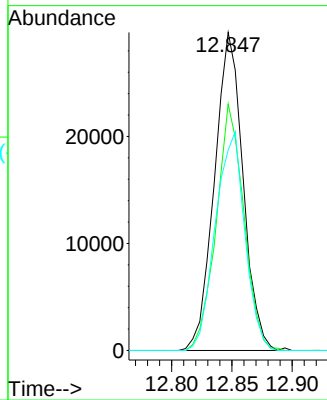
MSVOA\_N

ClientSampleId :

TT-070-IDWGW-20241113



|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 95    | Resp: | 48856 |
| Ion      | Ratio | Lower | Upper |
| 95       | 100   |       |       |
| 174      | 75.1  | 59.6  | 89.4  |
| 176      | 70.8  | 58.6  | 88.0  |



#63

Toluene-d8

Concen: 28.137 ug/l

RT: 10.565 min Scan# 1464

Delta R.T. -0.000 min

Lab File: VN084878.D

Acq: 15 Nov 2024 18:48

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 98    | Resp: | 154153 |
| Ion      | Ratio | Lower | Upper  |
| 98       | 100   |       |        |
| 100      | 64.3  | 52.2  | 78.2   |

