

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_N\Data\VN050824\  
Data File : VN082034.D  
Acq On : 08 May 2024 18:01  
Operator : JC\MD  
Sample : P2425-01  
Misc : 5.0mL/MSVOA\_N/WATER  
ALS Vial : 12 Sample Multiplier: 1

Instrument :  
MSVOA\_N  
ClientSampleId :  
240507034-02

Quant Time: May 09 01:05:06 2024  
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_N\methods\624N042624W.M  
Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS  
QLast Update : Sat Apr 27 04:37:27 2024  
Response via : Initial Calibration

| Compound                | R.T.   | QIon | Response | Conc   | Units | Dev(Min) |
|-------------------------|--------|------|----------|--------|-------|----------|
| -----                   |        |      |          |        |       |          |
| Internal Standards      |        |      |          |        |       |          |
| 1) Bromochloromethane   | 7.812  | 128  | 26707    | 30.000 | ug/l  | 0.00     |
| 28) 1,4-Difluorobenzene | 9.106  | 114  | 164433   | 30.000 | ug/l  | 0.00     |
| 57) Chlorobenzene-d5    | 11.865 | 117  | 139910   | 30.000 | ug/l  | 0.00     |

|                             |        |       |          |          |      |           |
|-----------------------------|--------|-------|----------|----------|------|-----------|
| System Monitoring Compounds |        |       |          |          |      |           |
| 27) 1,2-Dichloroethane-d4   | 8.576  | 65    | 74337    | 33.245   | ug/l | 0.00      |
| Spiked Amount               | 30.000 | Range | 91 - 110 | Recovery | =    | 110.800%# |
| 60) 4-Bromofluorobenzene    | 12.853 | 95    | 62502    | 26.843   | ug/l | 0.00      |
| Spiked Amount               | 30.000 | Range | 63 - 112 | Recovery | =    | 89.467%   |
| 63) Toluene-d8              | 10.565 | 98    | 205340   | 30.904   | ug/l | 0.00      |
| Spiked Amount               | 30.000 | Range | 91 - 112 | Recovery | =    | 103.000%  |

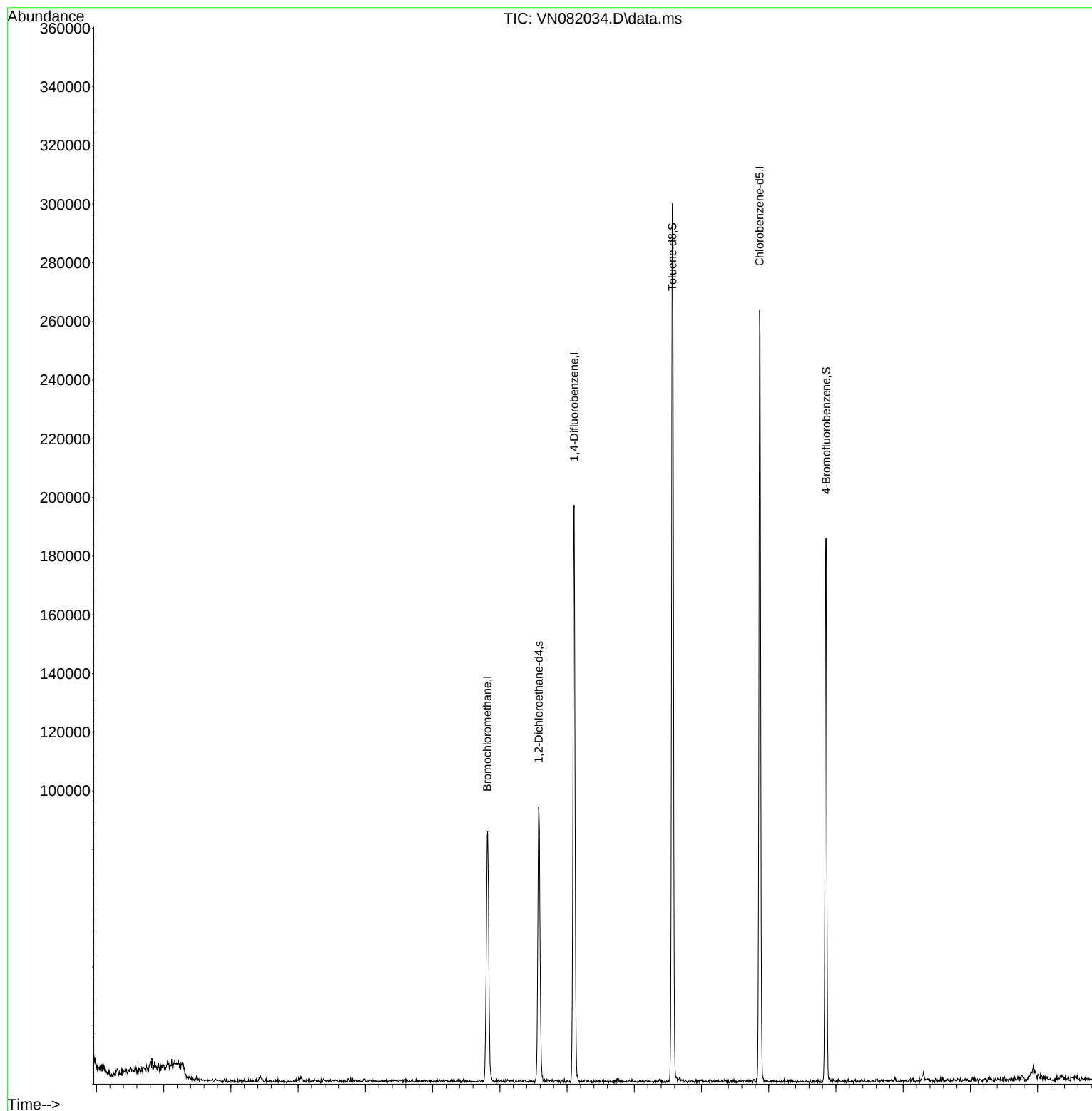
| Target Compounds | Qvalue |
|------------------|--------|
| -----            |        |

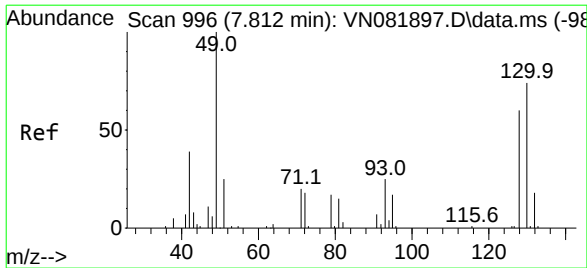
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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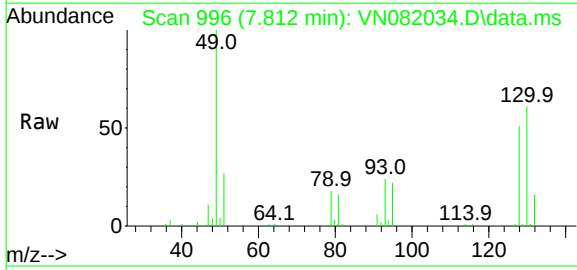
Quant Time: May 09 01:05:06 2024  
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_N\methods\624N042624W.M  
Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS  
QLast Update : Sat Apr 27 04:37:27 2024  
Response via : Initial Calibration



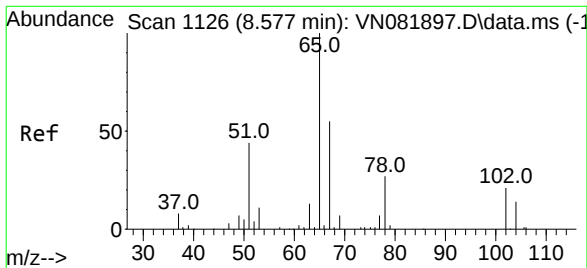
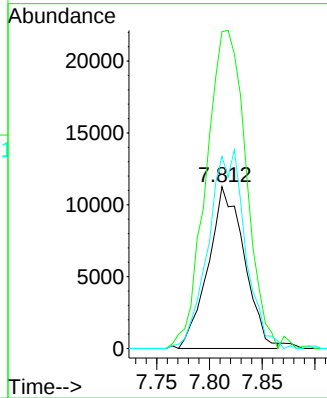
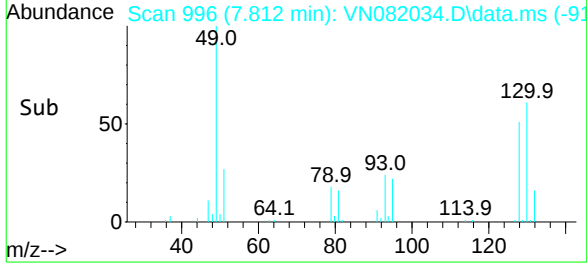


#1  
Bromochloromethane  
Concen: 30.000 ug/l  
RT: 7.812 min Scan# 996  
Delta R.T. -0.000 min  
Lab File: VN082034.D  
Acq: 08 May 2024 18:01

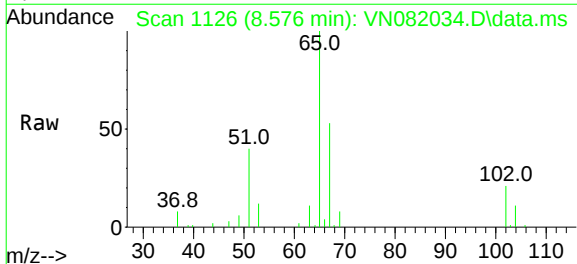
Instrument :  
MSVOA\_N  
ClientSampleId :  
240507034-02



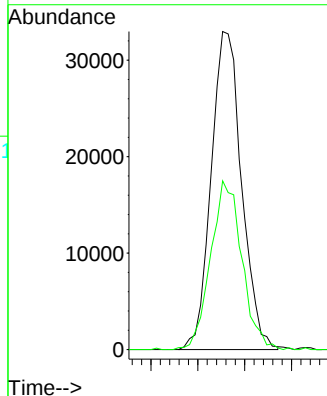
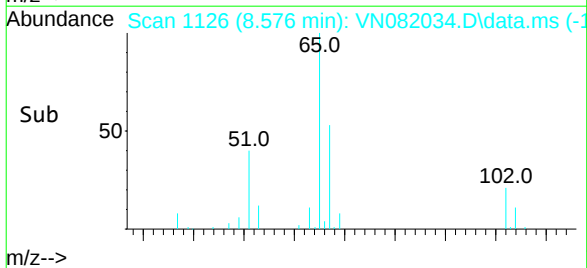
Tgt Ion:128 Resp: 26707  
Ion Ratio Lower Upper  
128 100  
49 218.2 0.0 403.7  
130 74.3 0.0 323.3

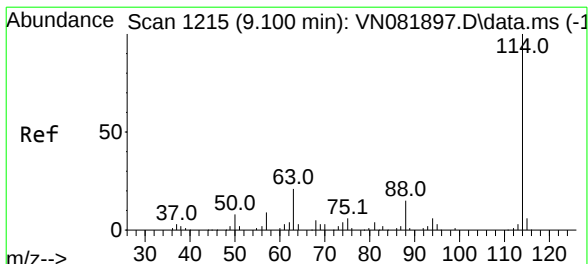


#27  
1,2-Dichloroethane-d4  
Concen: 33.245 ug/l  
RT: 8.576 min Scan# 1126  
Delta R.T. -0.000 min  
Lab File: VN082034.D  
Acq: 08 May 2024 18:01



Tgt Ion: 65 Resp: 74337  
Ion Ratio Lower Upper  
65 100  
67 54.3 43.2 64.8

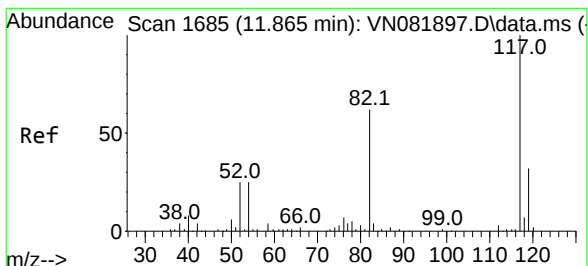
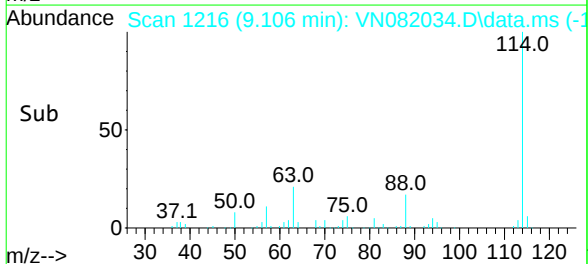
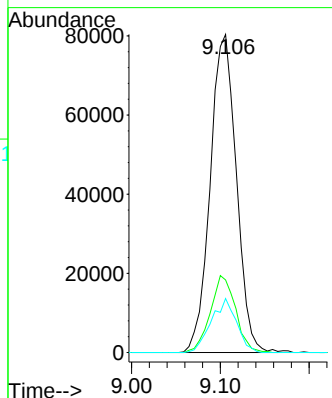
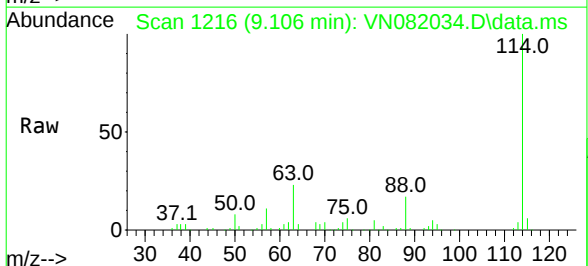




#28  
1,4-Difluorobenzene  
Concen: 30.000 ug/l  
RT: 9.106 min Scan# 1215  
Delta R.T. 0.006 min  
Lab File: VN082034.D  
Acq: 08 May 2024 18:01

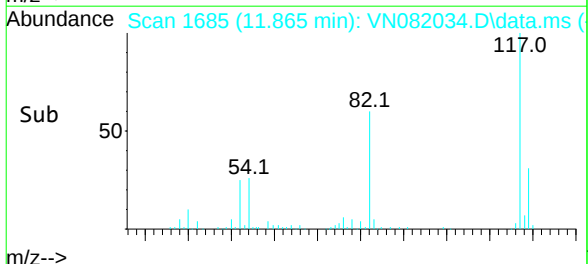
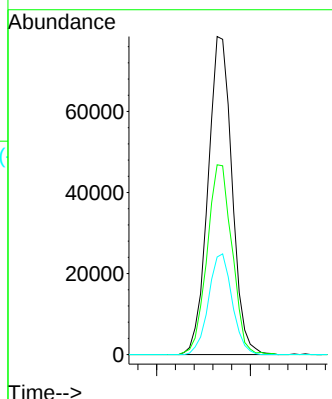
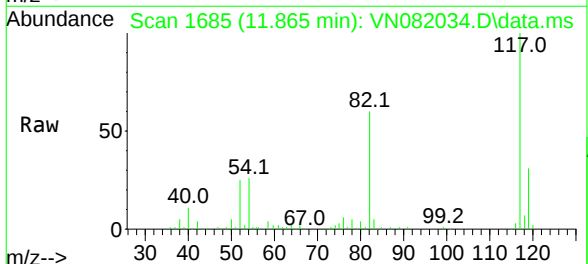
Instrument :  
MSVOA\_N  
ClientSampleId :  
240507034-02

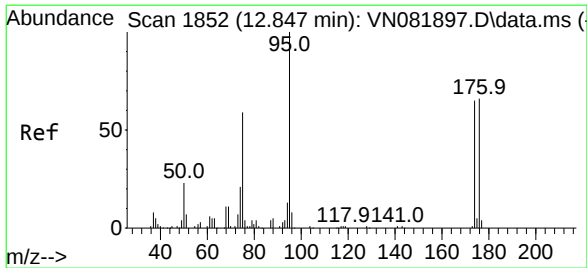
|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 114   | Resp: | 164433 |
| Ion      | Ratio | Lower | Upper  |
| 114      | 100   |       |        |
| 63       | 23.3  | 15.9  | 23.9   |
| 88       | 16.4  | 12.7  | 19.1   |



#57  
Chlorobenzene-d5  
Concen: 30.000 ug/l  
RT: 11.865 min Scan# 1685  
Delta R.T. -0.000 min  
Lab File: VN082034.D  
Acq: 08 May 2024 18:01

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 117   | Resp: | 139910 |
| Ion      | Ratio | Lower | Upper  |
| 117      | 100   |       |        |
| 82       | 61.9  | 46.6  | 69.8   |
| 119      | 31.1  | 25.4  | 38.2   |





#60

4-Bromofluorobenzene

Concen: 26.843 ug/l

RT: 12.853 min Scan# 18

Delta R.T. 0.006 min

Lab File: VN082034.D

Acq: 08 May 2024 18:01

Instrument :

MSVOA\_N

ClientSampleId :

240507034-02

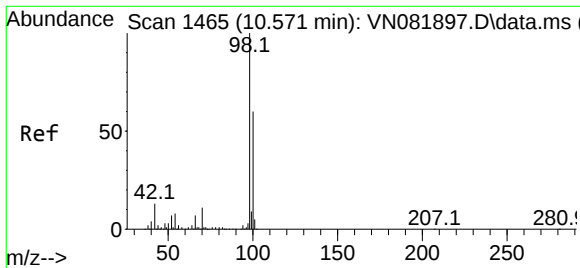
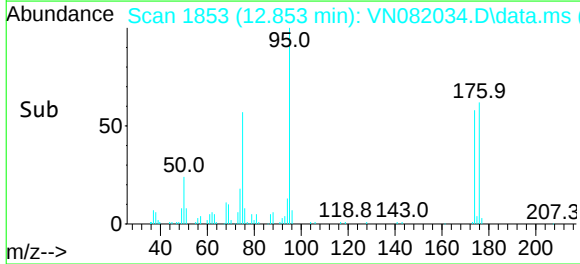
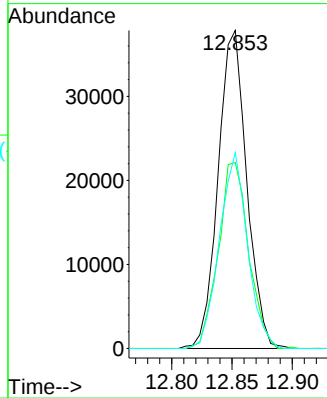
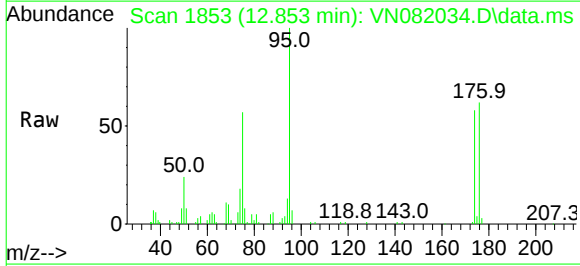
Tgt Ion: 95 Resp: 62502

Ion Ratio Lower Upper

95 100

174 61.9 60.5 90.7

176 60.6 57.8 86.6



#63

Toluene-d8

Concen: 30.904 ug/l

RT: 10.565 min Scan# 1464

Delta R.T. -0.006 min

Lab File: VN082034.D

Acq: 08 May 2024 18:01

Tgt Ion: 98 Resp: 205340

Ion Ratio Lower Upper

98 100

100 65.2 52.7 79.1

