

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_N\Data\VN090624\  
 Data File : VN083699.D  
 Acq On : 06 Sep 2024 16:24  
 Operator : JC\MD  
 Sample : VN0906WBL01  
 Misc : 5.0mL/MSVOA\_N/WATER  
 ALS Vial : 1 Sample Multiplier: 1

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 VN0906WBL02

Quant Time: Sep 06 23:48:45 2024  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_N\methods\624N090624W.M  
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS  
 QLast Update : Fri Sep 06 23:42:47 2024  
 Response via : Initial Calibration

| Compound                | R.T.   | QIon | Response | Conc   | Units | Dev(Min) |
|-------------------------|--------|------|----------|--------|-------|----------|
| -----                   |        |      |          |        |       |          |
| Internal Standards      |        |      |          |        |       |          |
| 1) Bromochloromethane   | 7.812  | 128  | 29066    | 30.000 | ug/l  | 0.00     |
| 28) 1,4-Difluorobenzene | 9.100  | 114  | 165560   | 30.000 | ug/l  | 0.00     |
| 57) Chlorobenzene-d5    | 11.865 | 117  | 141967   | 30.000 | ug/l  | 0.00     |

|                             |        |       |          |          |      |          |
|-----------------------------|--------|-------|----------|----------|------|----------|
| System Monitoring Compounds |        |       |          |          |      |          |
| 27) 1,2-Dichloroethane-d4   | 8.577  | 65    | 81933    | 30.838   | ug/l | 0.00     |
| Spiked Amount               | 30.000 | Range | 91 - 110 | Recovery | =    | 102.800% |
| 60) 4-Bromofluorobenzene    | 12.847 | 95    | 65267    | 26.675   | ug/l | 0.00     |
| Spiked Amount               | 30.000 | Range | 63 - 112 | Recovery | =    | 88.900%  |
| 63) Toluene-d8              | 10.565 | 98    | 199729   | 30.384   | ug/l | 0.00     |
| Spiked Amount               | 30.000 | Range | 91 - 112 | Recovery | =    | 101.267% |

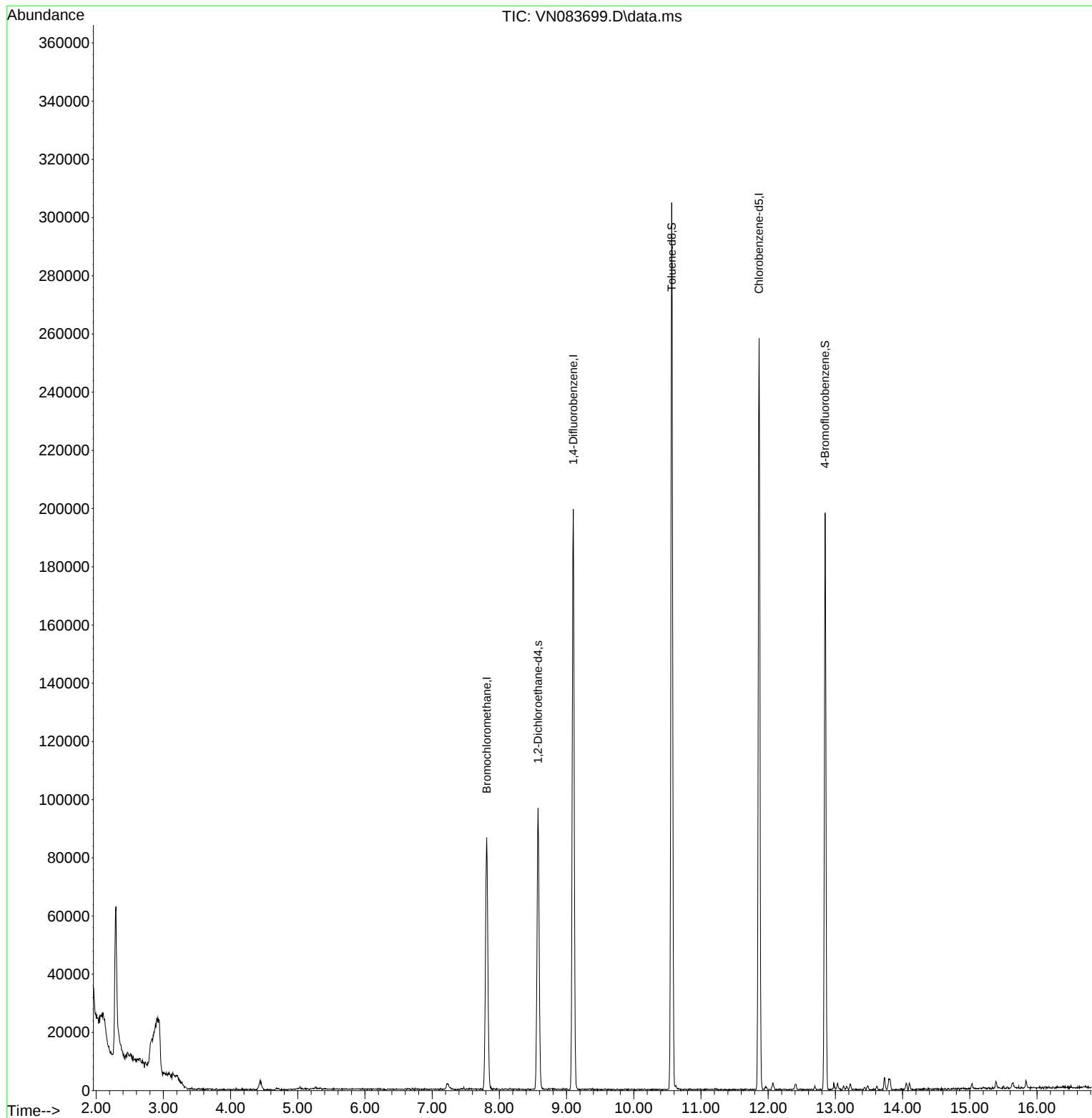
| Target Compounds | Qvalue |
|------------------|--------|
| -----            |        |

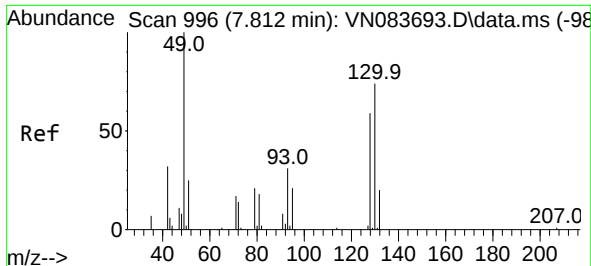
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Sample : VN0906WBL01  
Misc : 5.0mL/MSVOA\_N/WATER  
ALS Vial : 1 Sample Multiplier: 1

Instrument :  
MSVOA\_N  
ClientSampleId :  
VN0906WBL02

Quant Time: Sep 06 23:48:45 2024  
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_N\methods\624N090624W.M  
Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS  
QLast Update : Fri Sep 06 23:42:47 2024  
Response via : Initial Calibration

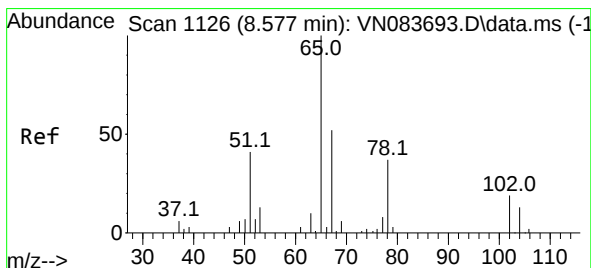
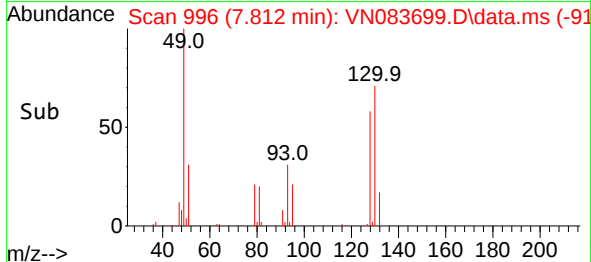
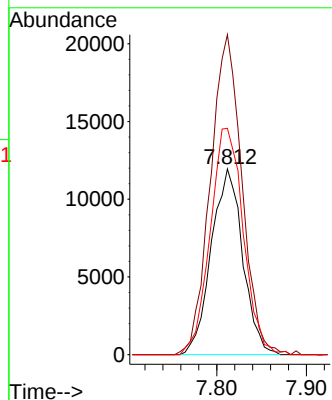
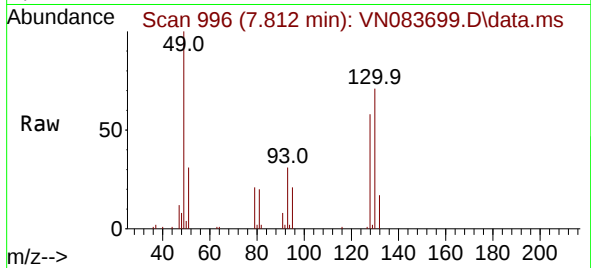




#1  
Bromochloromethane  
Concen: 30.000 ug/l  
RT: 7.812 min Scan# 996  
Delta R.T. -0.000 min  
Lab File: VN083699.D  
Acq: 06 Sep 2024 16:24

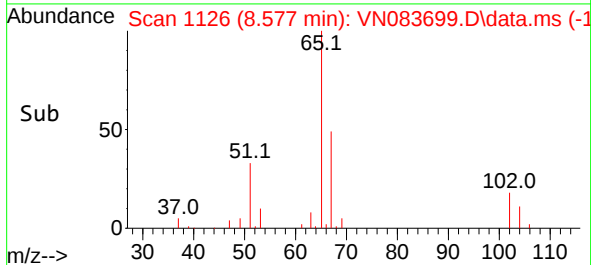
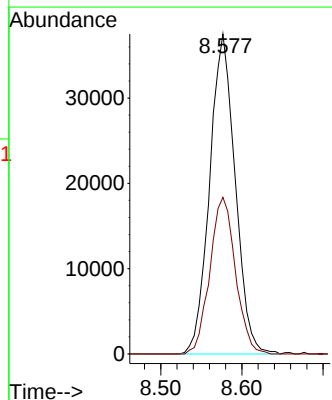
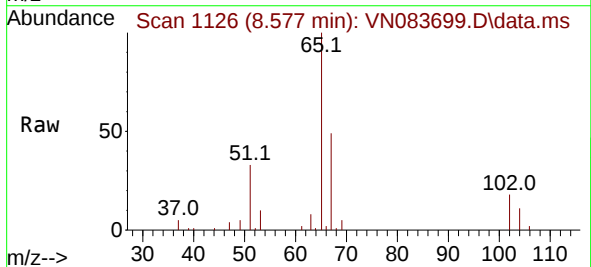
Instrument :  
MSVOA\_N  
ClientSampleId :  
VN0906WBL02

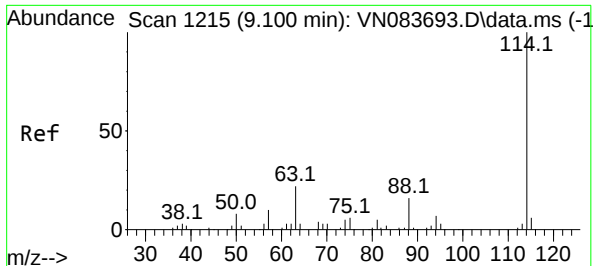
Tgt Ion:128 Resp: 29066  
Ion Ratio Lower Upper  
128 100  
49 172.7 0.0 403.7  
130 128.3 0.0 323.3



#27  
1,2-Dichloroethane-d4  
Concen: 30.838 ug/l  
RT: 8.577 min Scan# 1126  
Delta R.T. -0.000 min  
Lab File: VN083699.D  
Acq: 06 Sep 2024 16:24

Tgt Ion: 65 Resp: 81933  
Ion Ratio Lower Upper  
65 100  
67 49.0 43.2 64.8





#28

1,4-Difluorobenzene

Concen: 30.000 ug/l

RT: 9.100 min Scan# 11

Delta R.T. -0.000 min

Lab File: VN083699.D

Acq: 06 Sep 2024 16:24

Instrument :

MSVOA\_N

ClientSampleId :

VN0906WBL02

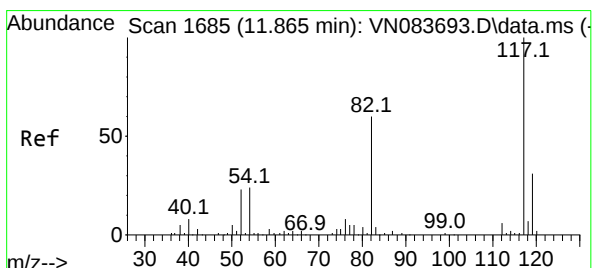
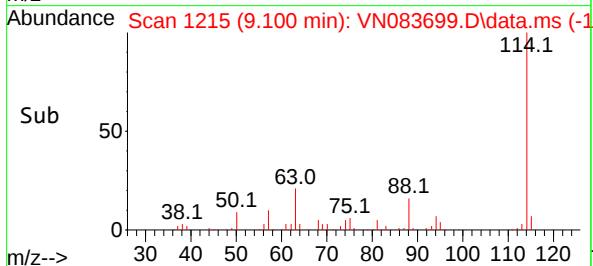
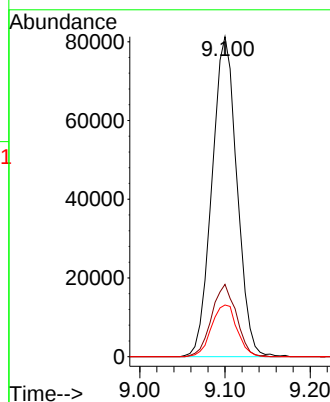
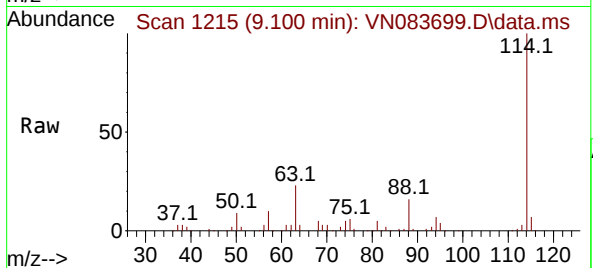
Tgt Ion:114 Resp: 165560

Ion Ratio Lower Upper

114 100

63 22.4 15.9 23.9

88 16.5 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: VN083699.D

Acq: 06 Sep 2024 16:24

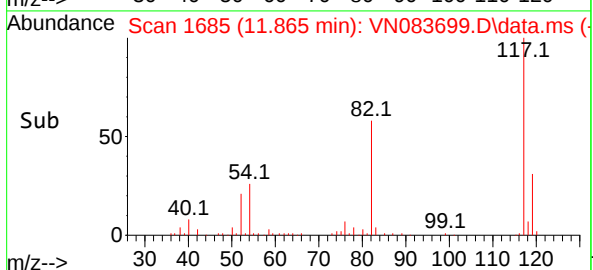
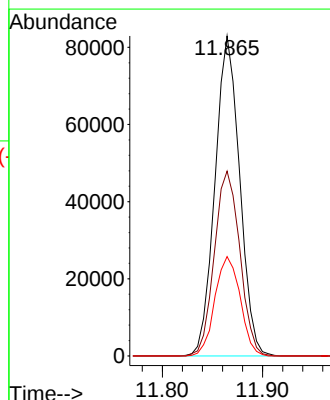
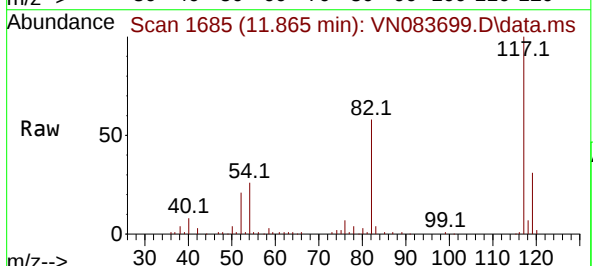
Tgt Ion:117 Resp: 141967

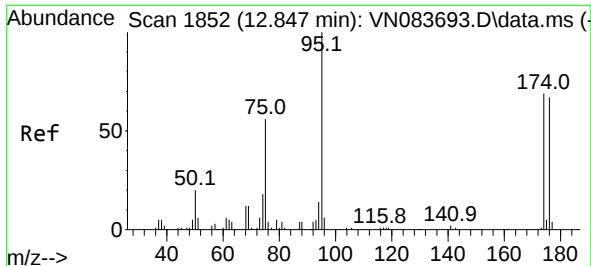
Ion Ratio Lower Upper

117 100

82 59.6 46.6 69.8

119 31.9 25.4 38.2

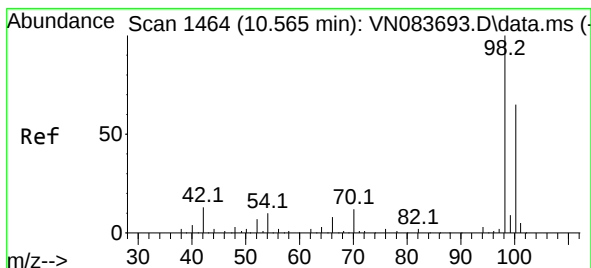
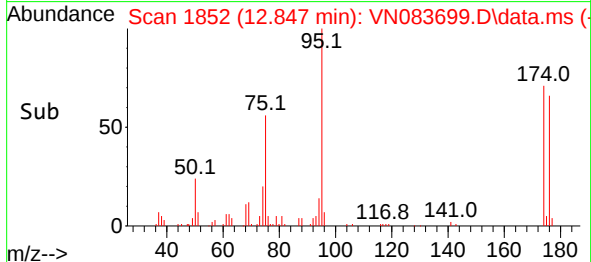
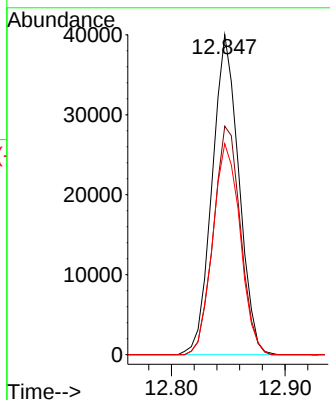
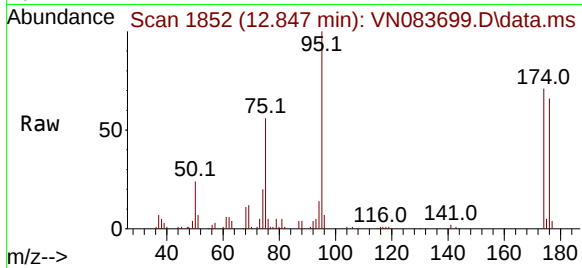




#60  
4-Bromofluorobenzene  
Concen: 26.675 ug/l  
RT: 12.847 min Scan# 1852  
Delta R.T. -0.000 min  
Lab File: VN083699.D  
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Tgt Ion: 95 Resp: 65267  
Ion Ratio Lower Upper  
95 100  
174 72.4 60.5 90.7  
176 68.1 57.8 86.6



#63  
Toluene-d8  
Concen: 30.384 ug/l  
RT: 10.565 min Scan# 1464  
Delta R.T. -0.000 min  
Lab File: VN083699.D  
Acq: 06 Sep 2024 16:24

Tgt Ion: 98 Resp: 199729  
Ion Ratio Lower Upper  
98 100  
100 64.0 52.7 79.1

