

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_N\Data\VN061122\  
 Data File : VN072791.D  
 Acq On : 11 Jun 2022 15:42  
 Operator : JC\MD  
 Sample : N3309-01RE  
 Misc : 5.0mL/MSVOA\_N/WATER  
 ALS Vial : 13 Sample Multiplier: 1

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 TT-TB-20220608RE

Quant Time: Jun 13 01:20:19 2022  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_N\methods\624N060622W.M  
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS  
 QLast Update : Mon Jun 06 14:10:15 2022  
 Response via : Initial Calibration

| Compound                | R.T.   | QIon | Response | Conc   | Units | Dev(Min) |
|-------------------------|--------|------|----------|--------|-------|----------|
| -----                   |        |      |          |        |       |          |
| Internal Standards      |        |      |          |        |       |          |
| 1) Bromochloromethane   | 7.657  | 128  | 33430    | 30.000 | ug/l  | 0.00     |
| 28) 1,4-Difluorobenzene | 8.963  | 114  | 192623   | 30.000 | ug/l  | 0.00     |
| 57) Chlorobenzene-d5    | 11.739 | 117  | 153898   | 30.000 | ug/l  | 0.00     |

|                             |        |       |          |          |      |          |
|-----------------------------|--------|-------|----------|----------|------|----------|
| System Monitoring Compounds |        |       |          |          |      |          |
| 27) 1,2-Dichloroethane-d4   | 8.433  | 65    | 122432   | 32.112   | ug/l | 0.00     |
| Spiked Amount               | 30.000 | Range | 91 - 110 | Recovery | =    | 107.033% |
| 60) 4-Bromofluorobenzene    | 12.727 | 95    | 75629    | 23.893   | ug/l | 0.00     |
| Spiked Amount               | 30.000 | Range | 63 - 112 | Recovery | =    | 79.633%  |
| 63) Toluene-d8              | 10.439 | 98    | 282452   | 33.131   | ug/l | 0.00     |
| Spiked Amount               | 30.000 | Range | 91 - 112 | Recovery | =    | 110.433% |

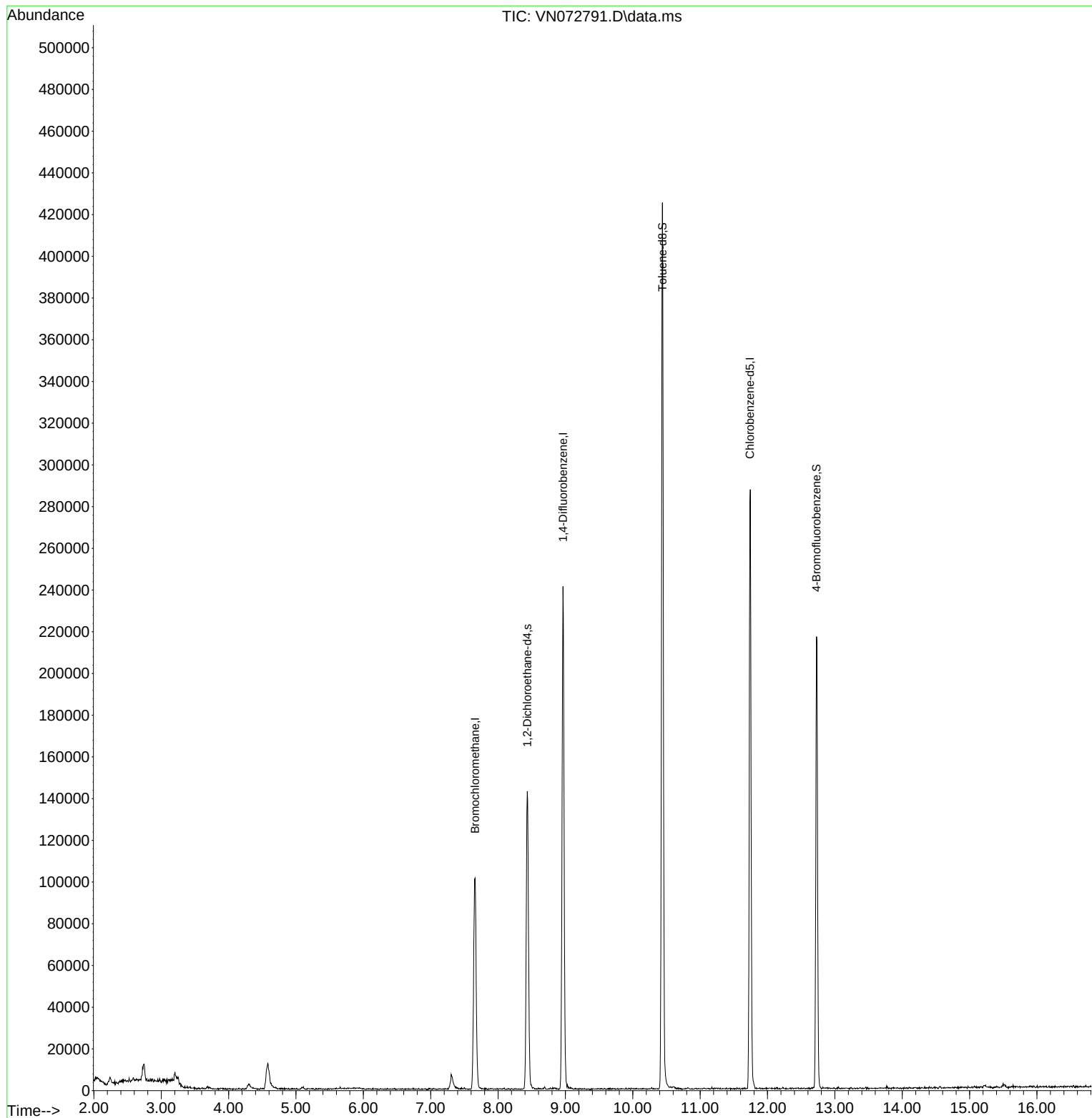
| Target Compounds | Qvalue |
|------------------|--------|
| -----            |        |

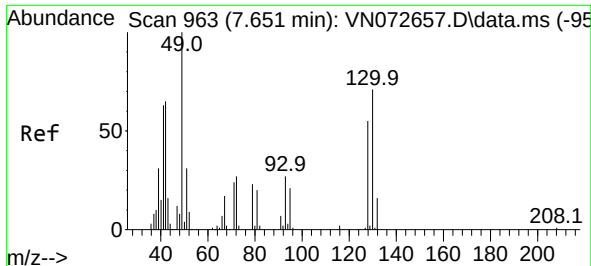
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Mon Jun 06 14:10:15 2022  
Response via : Initial Calibration

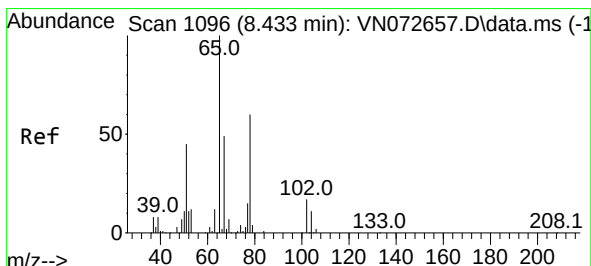
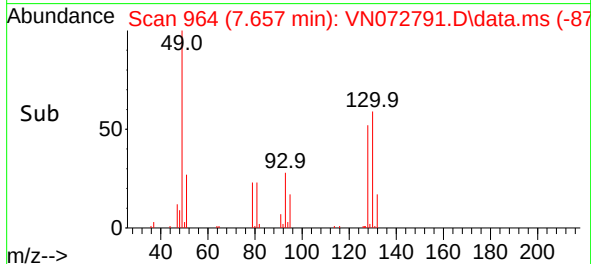
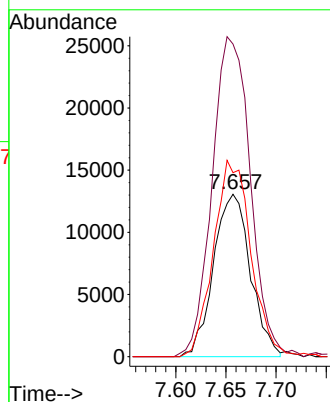
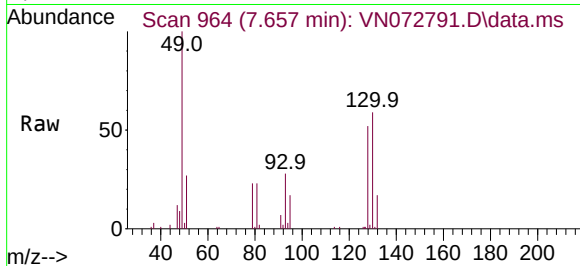




#1  
Bromochloromethane  
Concen: 30.000 ug/l  
RT: 7.657 min Scan# 90  
Delta R.T. 0.006 min  
Lab File: VN072791.D  
Acq: 11 Jun 2022 15:42

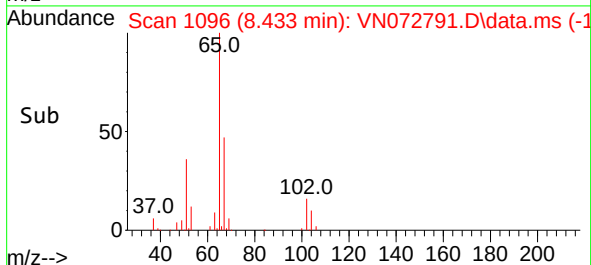
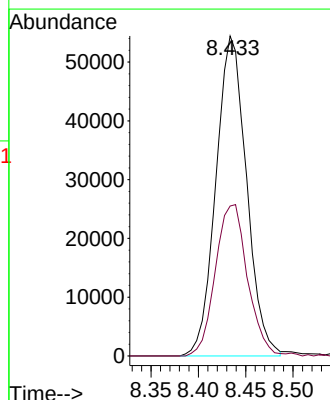
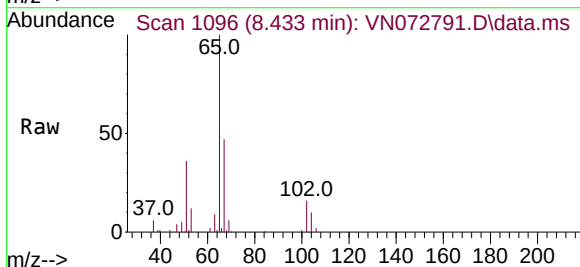
Instrument :  
MSVOA\_N  
ClientSampleId :  
TT-TB-20220608RE

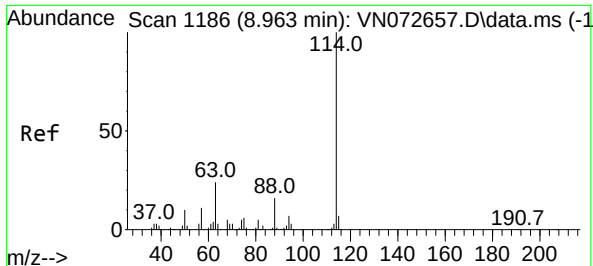
Tgt Ion:128 Resp: 33430  
Ion Ratio Lower Upper  
128 100  
49 203.5 0.0 392.3  
130 122.5 0.0 320.2



#27  
1,2-Dichloroethane-d4  
Concen: 32.112 ug/l  
RT: 8.433 min Scan# 1096  
Delta R.T. 0.000 min  
Lab File: VN072791.D  
Acq: 11 Jun 2022 15:42

Tgt Ion: 65 Resp: 122432  
Ion Ratio Lower Upper  
65 100  
67 49.6 40.2 60.2





#28

1,4-Difluorobenzene

Concen: 30.000 ug/l

RT: 8.963 min Scan# 1186

Delta R.T. 0.000 min

Lab File: VN072791.D

Acq: 11 Jun 2022 15:42

Instrument :

MSVOA\_N

ClientSampleId :

TT-TB-20220608RE

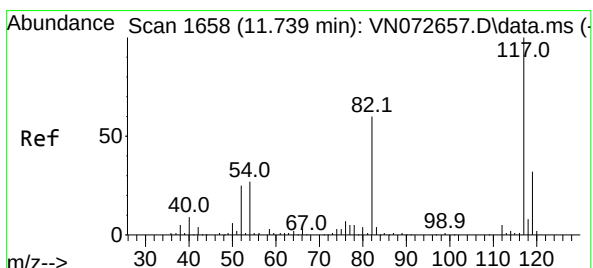
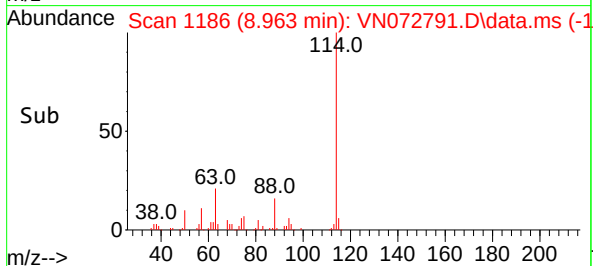
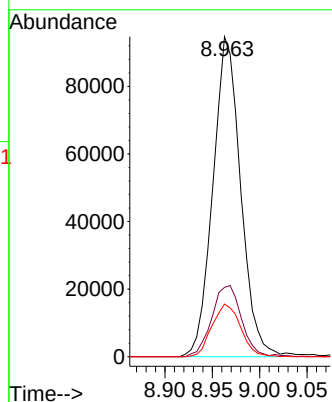
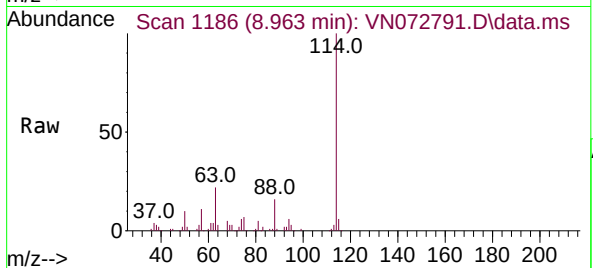
Tgt Ion:114 Resp: 192623

Ion Ratio Lower Upper

114 100

63 23.6 15.8 23.6

88 16.9 11.6 17.4



#57

Chlorobenzene-d5

Concen: 30.000 ug/l

RT: 11.739 min Scan# 1658

Delta R.T. 0.000 min

Lab File: VN072791.D

Acq: 11 Jun 2022 15:42

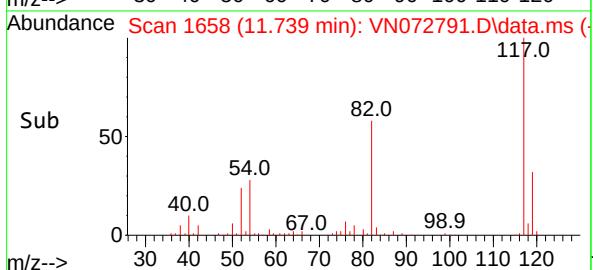
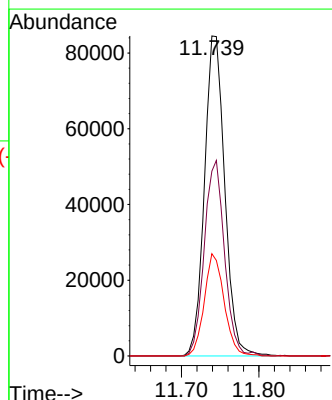
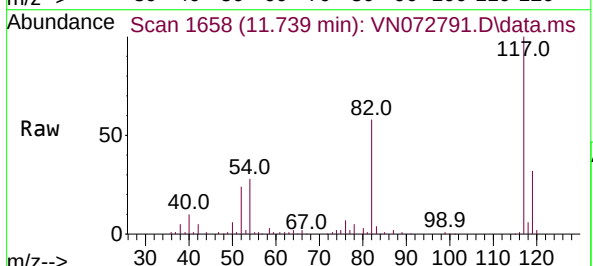
Tgt Ion:117 Resp: 153898

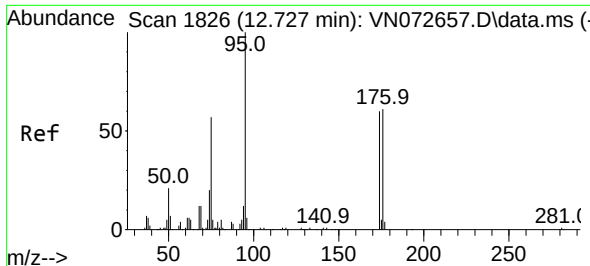
Ion Ratio Lower Upper

117 100

82 60.5 43.6 65.4

119 31.3 25.8 38.6

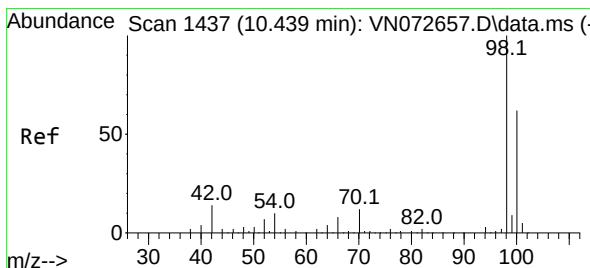
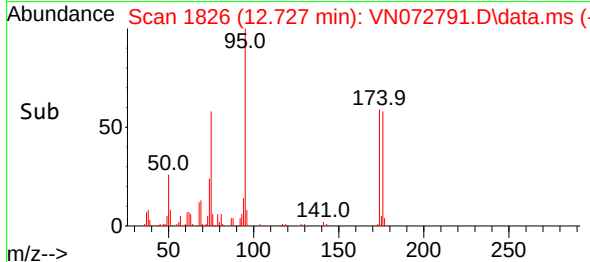
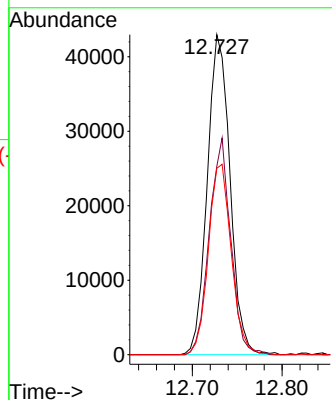
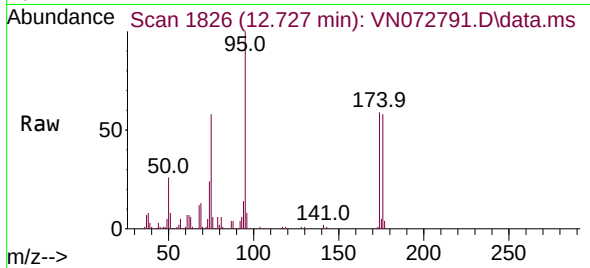




#60  
4-Bromofluorobenzene  
Concen: 23.893 ug/l  
RT: 12.727 min Scan# 1826  
Delta R.T. 0.000 min  
Lab File: VN072791.D  
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Tgt Ion: 95 Resp: 75629  
Ion Ratio Lower Upper  
95 100  
174 63.9 62.9 94.3  
176 60.0 61.0 91.4#



#63  
Toluene-d8  
Concen: 33.131 ug/l  
RT: 10.439 min Scan# 1437  
Delta R.T. 0.000 min  
Lab File: VN072791.D  
Acq: 11 Jun 2022 15:42

Tgt Ion: 98 Resp: 282452  
Ion Ratio Lower Upper  
98 100  
100 64.5 50.6 76.0

