

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_U\Data\VU072823\  
 Data File : VU054909.D  
 Acq On : 28 Jul 2023 13:53  
 Operator : MD/SY  
 Sample : 03587-09DL 5X  
 Misc : 25.0mL/MSVOA\_U/WATER  
 ALS Vial : 7 Sample Multiplier: 1

Instrument :  
 MSVOA\_U  
 ClientSampleId :  
 PT-THM-WSDL

Quant Time: Jul 31 11:18:24 2023  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_U\Method\524U072523DW.M  
 Quant Title : METHOD 524.2 VOLATILES DRINKING WATER  
 QLast Update : Wed Jul 26 09:45:35 2023  
 Response via : Initial Calibration

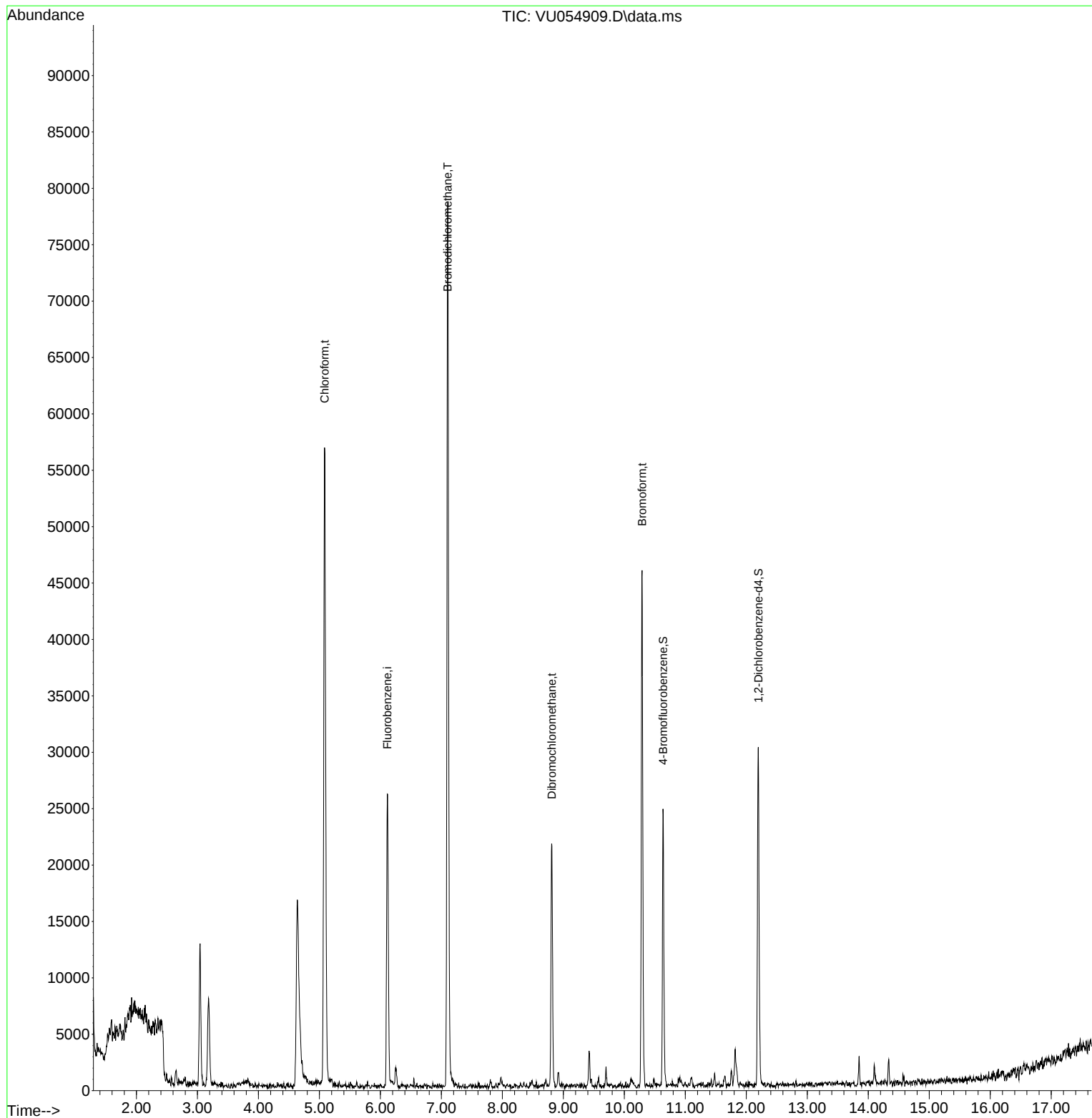
| Compound                    | R.T.   | QIon | Response | Conc  | Units    | Dev(Min) |
|-----------------------------|--------|------|----------|-------|----------|----------|
| -----                       |        |      |          |       |          |          |
| Internal Standards          |        |      |          |       |          |          |
| 1) Fluorobenzene            | 6.113  | 96   | 24017    | 1.000 | ug/l     | # 0.00   |
| System Monitoring Compounds |        |      |          |       |          |          |
| 57) 4-Bromofluorobenzene    | 10.634 | 95   | 7322     | 1.006 | ug/l     | 0.00     |
| Spiked Amount 1.000         |        |      | Recovery | =     | 101.000% |          |
| 68) 1,2-Dichlorobenzene-d4  | 12.196 | 152  | 8143     | 0.990 | ug/l     | 0.00     |
| Spiked Amount 1.000         |        |      | Recovery | =     | 99.000%  |          |
| Target Compounds            |        |      |          |       |          |          |
| 27) Chloroform              | 5.084  | 83   | 48870    | 4.507 | ug/l     | 98       |
| 44) Bromodichloromethane    | 7.103  | 83   | 50740    | 6.341 | ug/l     | 99       |
| 55) Dibromochloromethane    | 8.808  | 129  | 11250    | 2.156 | ug/l     | 98       |
| 67) Bromoform               | 10.290 | 173  | 19132    | 7.072 | ug/l     | 99       |
| -----                       |        |      |          |       |          |          |

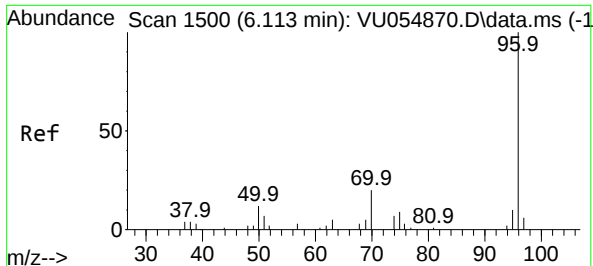
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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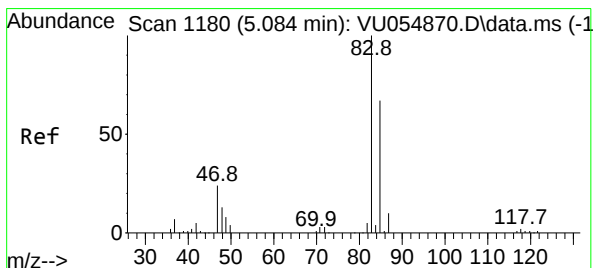
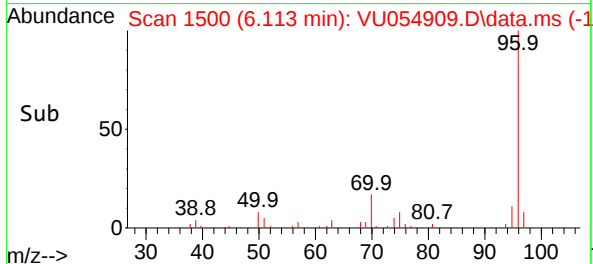
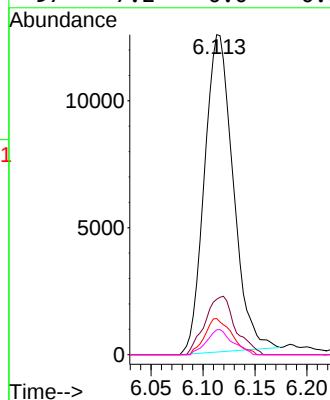
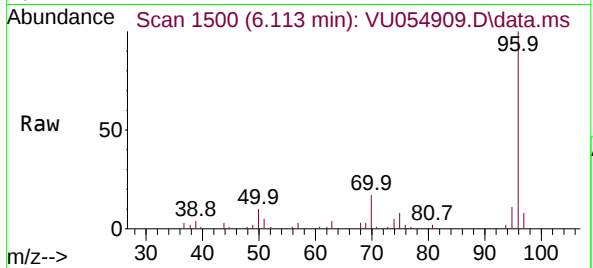




#1  
Fluorobenzene  
Concen: 1.000 ug/l  
RT: 6.113 min Scan# 1180  
Delta R.T. 0.000 min  
Lab File: VU054909.D  
Acq: 28 Jul 2023 13:53

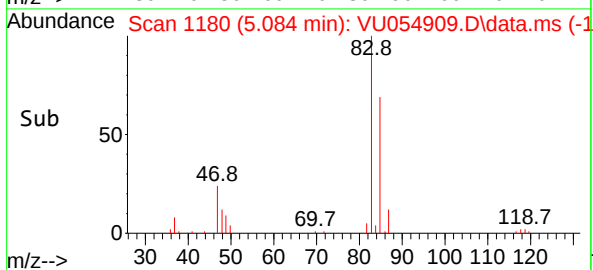
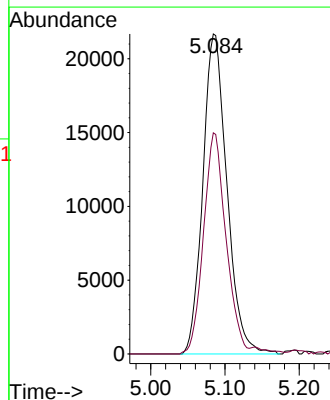
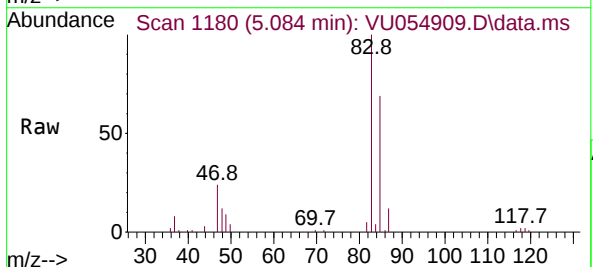
Instrument :  
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ClientSampleId :  
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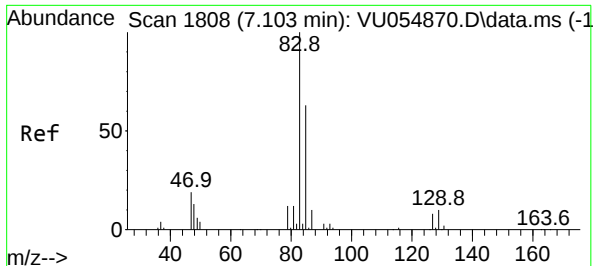
|             |             |
|-------------|-------------|
| Tgt Ion: 96 | Resp: 24017 |
| Ion Ratio   | Lower Upper |
| 96 100      |             |
| 70 19.5     | 14.0 21.0   |
| 95 10.7     | 8.7 13.1    |
| 97 7.2      | 0.0 0.0     |



#27  
Chloroform  
Concen: 4.507 ug/l  
RT: 5.084 min Scan# 1180  
Delta R.T. 0.000 min  
Lab File: VU054909.D  
Acq: 28 Jul 2023 13:53

|             |             |
|-------------|-------------|
| Tgt Ion: 83 | Resp: 48870 |
| Ion Ratio   | Lower Upper |
| 83 100      |             |
| 85 69.1     | 0.0 135.2   |

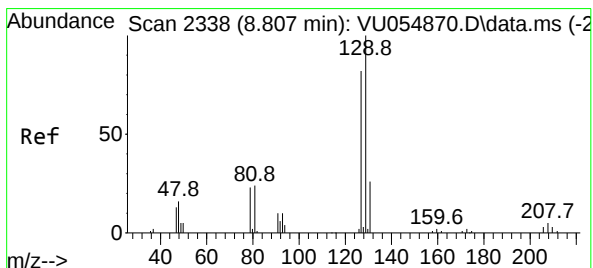
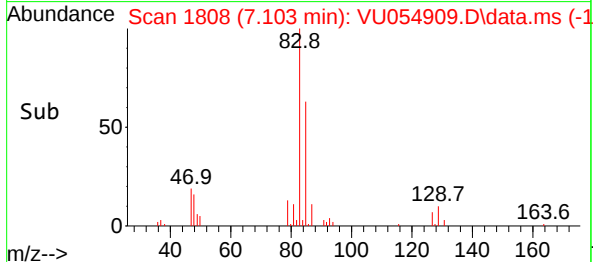
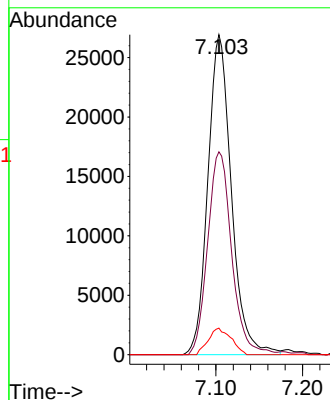
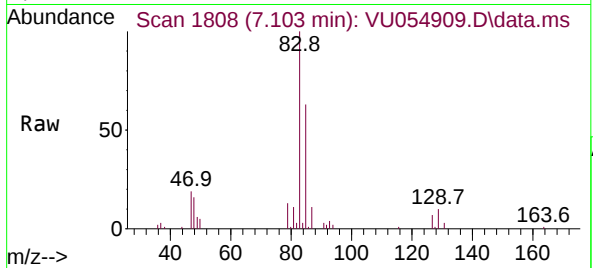




#44  
Bromodichloromethane  
Concen: 6.341 ug/l  
RT: 7.103 min Scan# 11  
Delta R.T. 0.000 min  
Lab File: VU054909.D  
Acq: 28 Jul 2023 13:53

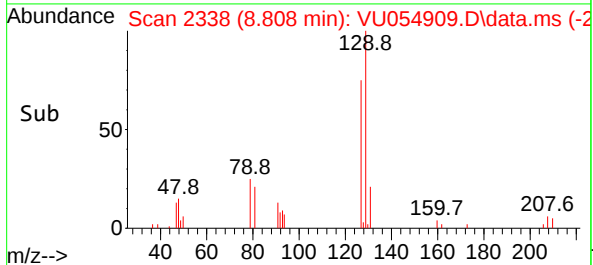
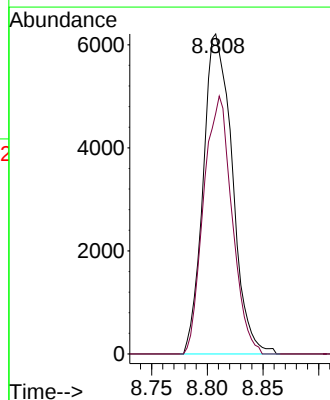
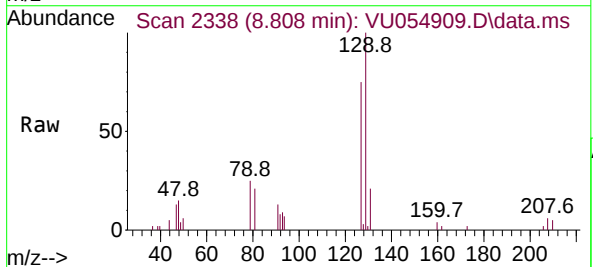
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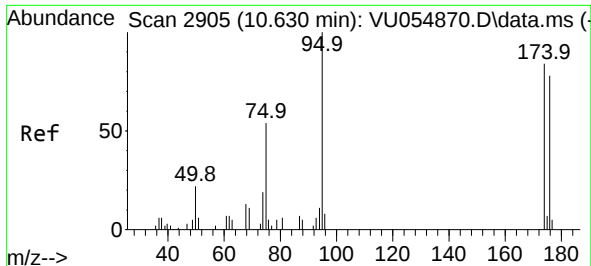
Tgt Ion: 83 Resp: 50740  
Ion Ratio Lower Upper  
83 100  
85 64.6 52.2 78.2  
127 8.3 6.1 9.1



#55  
Dibromochloromethane  
Concen: 2.156 ug/l  
RT: 8.808 min Scan# 2338  
Delta R.T. 0.000 min  
Lab File: VU054909.D  
Acq: 28 Jul 2023 13:53

Tgt Ion: 129 Resp: 11250  
Ion Ratio Lower Upper  
129 100  
127 78.6 61.4 92.0

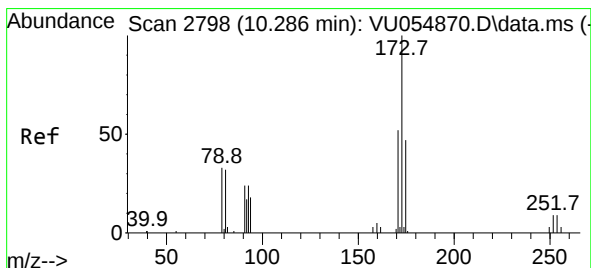
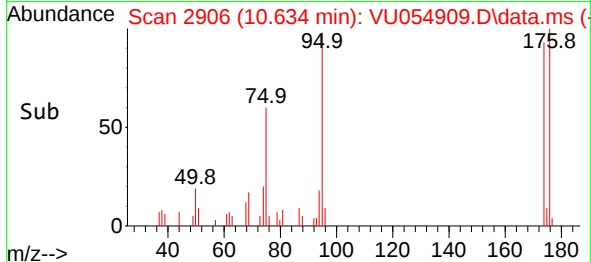
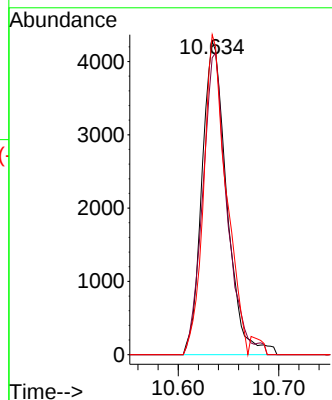
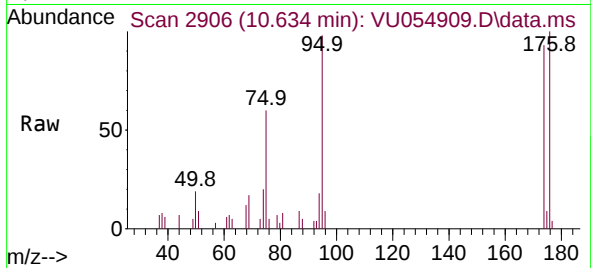




#57  
4-Bromofluorobenzene  
Concen: 1.006 ug/l  
RT: 10.634 min Scan# 2905  
Delta R.T. 0.003 min  
Lab File: VU054909.D  
Acq: 28 Jul 2023 13:53

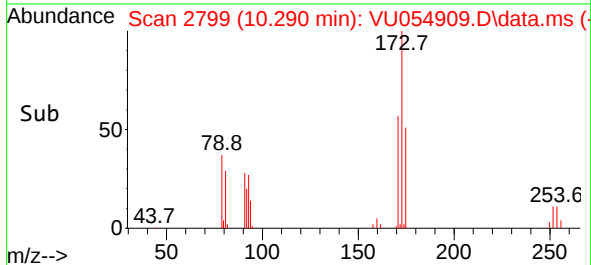
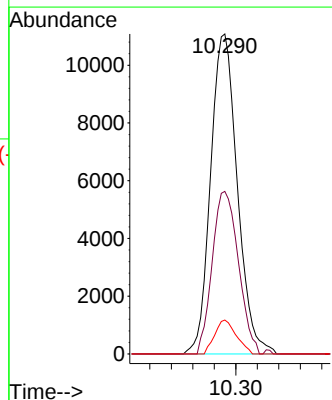
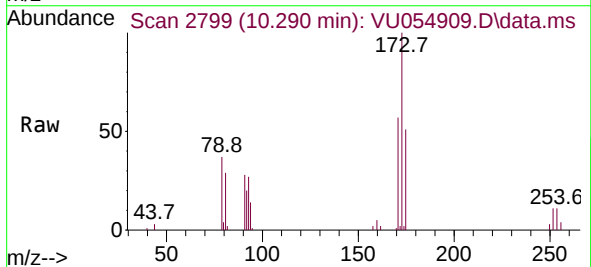
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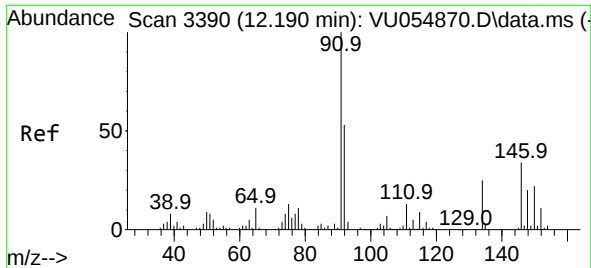
Tgt Ion: 95 Resp: 7322  
Ion Ratio Lower Upper  
95 100  
174 93.2 79.3 118.9  
176 93.3 71.5 107.3



#67  
Bromoform  
Concen: 7.072 ug/l  
RT: 10.290 min Scan# 2799  
Delta R.T. 0.003 min  
Lab File: VU054909.D  
Acq: 28 Jul 2023 13:53

Tgt Ion: 173 Resp: 19132  
Ion Ratio Lower Upper  
173 100  
175 49.6 39.0 58.6  
254 8.5 7.4 11.0





#68  
 1,2-Dichlorobenzene-d4  
 Concen: 0.990 ug/l  
 RT: 12.196 min Scan# 31  
 Delta R.T. 0.007 min  
 Lab File: VU054909.D  
 Acq: 28 Jul 2023 13:53

Instrument :  
 MSVOA\_U  
 ClientSampleId :  
 PT-THM-WSDL

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 152   | Resp: | 8143  |
| Ion      | Ratio | Lower | Upper |
| 152      | 100   |       |       |
| 115      | 63.6  | 0.0   | 234.8 |
| 150      | 166.0 | 0.0   | 598.2 |

