

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_U\Data\VU063023\  
 Data File : VU054734.D  
 Acq On : 30 Jun 2023 19:59  
 Operator : MD/SY  
 Sample : VIBLK170  
 Misc : 25.0mL/MSVOA\_U/WATER  
 ALS Vial : 28 Sample Multiplier: 1

Instrument :  
 MSVOA\_U  
 ClientSampleId :  
 VIBLK170

Quant Time: Jul 03 06:48:41 2023  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_U\Method\SFAMUTR060723WMA.M  
 Quant Title : TRACE VOA SFAM1.0  
 QLast Update : Mon Jul 03 06:42:02 2023  
 Response via : Initial Calibration

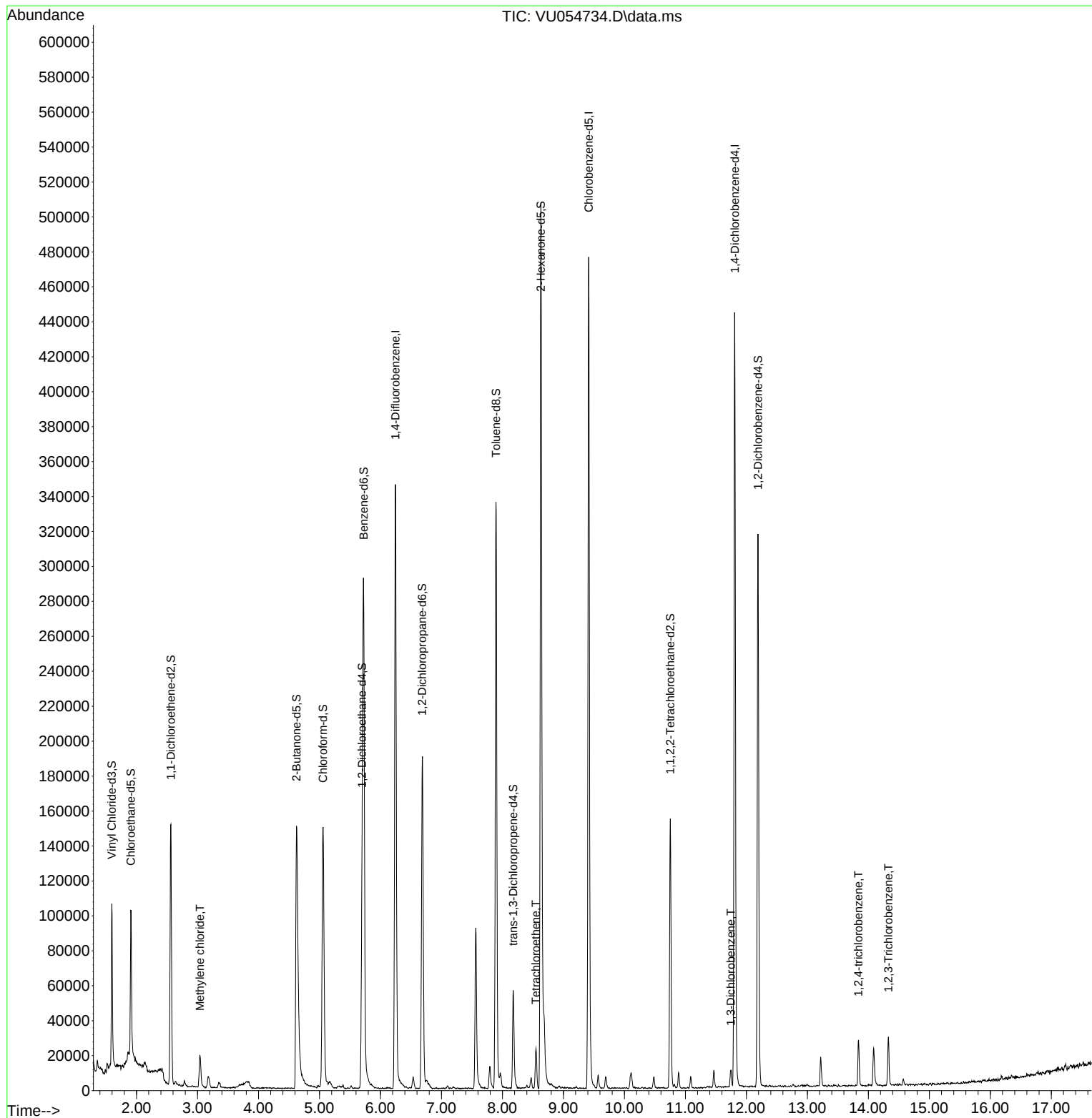
| Compound                      | R.T.   | QIon  | Response | Conc     | Units  | Dev(Min) |
|-------------------------------|--------|-------|----------|----------|--------|----------|
| -----                         |        |       |          |          |        |          |
| Internal Standards            |        |       |          |          |        |          |
| 1) 1,4-Difluorobenzene        | 6.245  | 114   | 270835   | 5.000    | ug/L   | 0.00     |
| 28) Chlorobenzene-d5          | 9.415  | 117   | 261252   | 5.000    | ug/L   | 0.00     |
| 58) 1,4-Dichlorobenzene-d4    | 11.810 | 152   | 117706   | 5.000    | ug/L   | 0.00     |
| System Monitoring Compounds   |        |       |          |          |        |          |
| 4) Vinyl Chloride-d3          | 1.595  | 65    | 71783    | 4.165    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 40 - 130 | Recovery | =      | 83.200%  |
| 7) Chloroethane-d5            | 1.907  | 69    | 64567    | 4.001    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 65 - 130 | Recovery | =      | 80.000%  |
| 11) 1,1-Dichloroethene-d2     | 2.563  | 65    | 28525    | 3.705    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 60 - 125 | Recovery | =      | 74.200%  |
| 20) 2-Butanone-d5             | 4.624  | 46    | 247099   | 50.989   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000 | Range | 40 - 130 | Recovery | =      | 101.980% |
| 24) Chloroform-d              | 5.058  | 84    | 141989   | 3.941    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 70 - 125 | Recovery | =      | 78.800%  |
| 26) 1,2-Dichloroethane-d4     | 5.698  | 65    | 75293    | 4.287    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 70 - 130 | Recovery | =      | 85.800%  |
| 32) Benzene-d6                | 5.724  | 84    | 272646   | 3.754    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 70 - 125 | Recovery | =      | 75.000%  |
| 36) 1,2-Dichloropropane-d6    | 6.685  | 67    | 94883    | 3.912    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 60 - 140 | Recovery | =      | 78.200%  |
| 41) Toluene-d8                | 7.894  | 98    | 226317   | 3.511    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 70 - 130 | Recovery | =      | 70.200%  |
| 43) trans-1,3-Dichloroprop... | 8.177  | 79    | 31864    | 3.778    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 55 - 130 | Recovery | =      | 75.600%  |
| 46) 2-Hexanone-d5             | 8.631  | 63    | 164430   | 46.471   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000 | Range | 45 - 130 | Recovery | =      | 92.940%  |
| 56) 1,1,2,2-Tetrachloroeth... | 10.753 | 84    | 78051    | 4.316    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 65 - 120 | Recovery | =      | 86.400%  |
| 66) 1,2-Dichlorobenzene-d4    | 12.190 | 152   | 83307    | 4.196    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 80 - 120 | Recovery | =      | 84.000%  |
| Target Compounds              |        |       |          |          |        |          |
|                               |        |       |          |          | Qvalue |          |
| 16) Methylene chloride        | 3.039  | 84    | 8928     | 0.323    | ug/L   | 90       |
| 47) Tetrachloroethene         | 8.550  | 164   | 5271     | 0.277    | ug/L   | 96       |
| 64) 1,3-Dichlorobenzene       | 11.746 | 146   | 3981     | 0.099    | ug/L   | 84       |
| 70) 1,2,4-trichlorobenzene    | 13.836 | 180   | 8347     | 0.332    | ug/L   | 97       |
| 72) 1,2,3-Trichlorobenzene    | 14.328 | 180   | 8728     | 0.405    | ug/L   | 100      |
| -----                         |        |       |          |          |        |          |

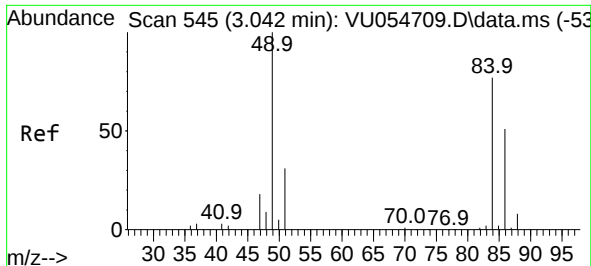
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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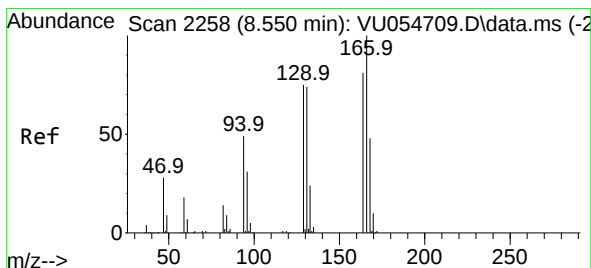
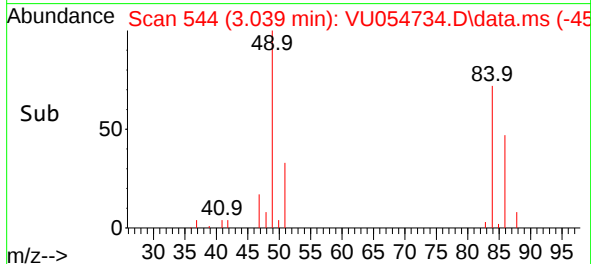
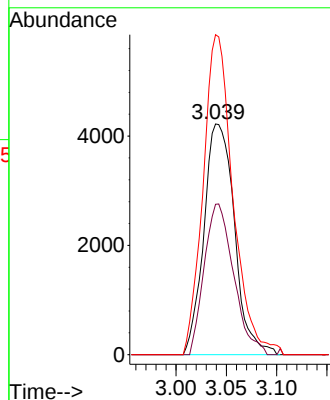
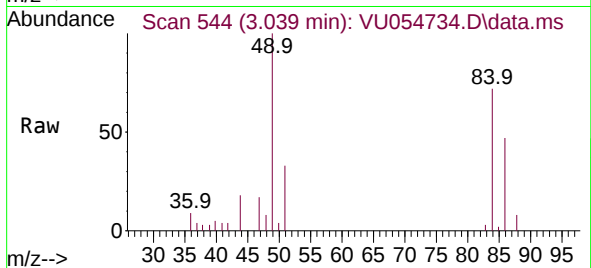




#16  
Methylene chloride  
Concen: 0.323 ug/L  
RT: 3.039 min Scan# 545  
Delta R.T. -0.003 min  
Lab File: VU054734.D  
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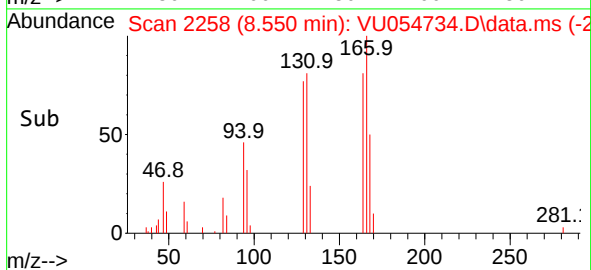
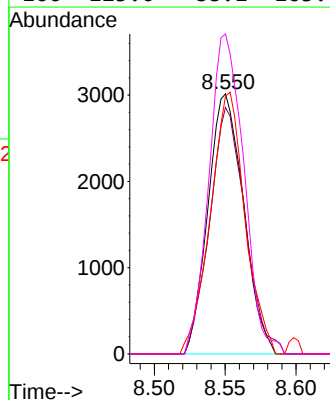
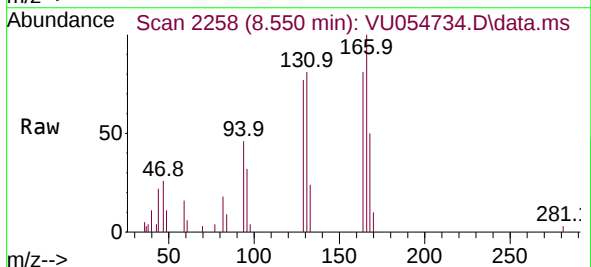
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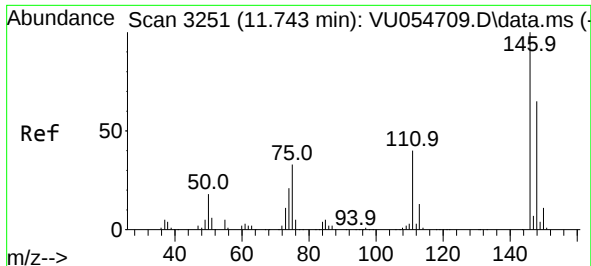
Tgt Ion: 84 Resp: 8928  
Ion Ratio Lower Upper  
84 100  
86 65.2 43.9 81.5  
49 138.7 86.1 159.9



#47  
Tetrachloroethene  
Concen: 0.277 ug/L  
RT: 8.550 min Scan# 2258  
Delta R.T. 0.000 min  
Lab File: VU054734.D  
Acq: 30 Jun 2023 19:59

Tgt Ion:164 Resp: 5271  
Ion Ratio Lower Upper  
164 100  
129 94.7 67.7 125.7  
131 99.1 64.6 120.0  
166 123.0 88.1 163.7

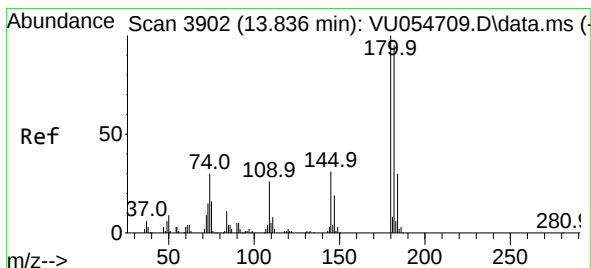
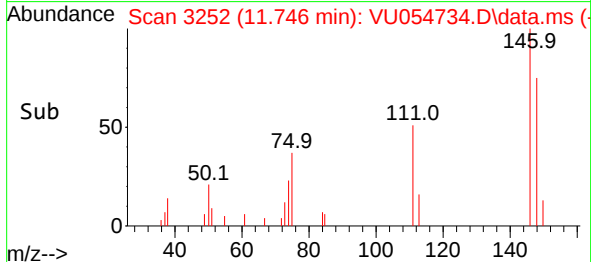
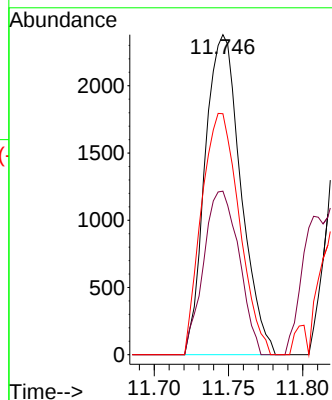
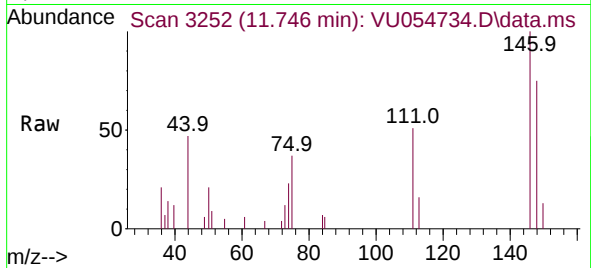




#64  
1,3-Dichlorobenzene  
Concen: 0.099 ug/L  
RT: 11.746 min Scan# 31  
Delta R.T. 0.003 min  
Lab File: VU054734.D  
Acq: 30 Jun 2023 19:59

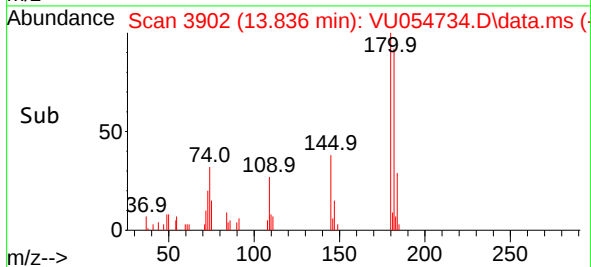
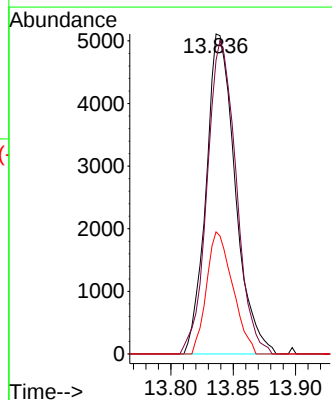
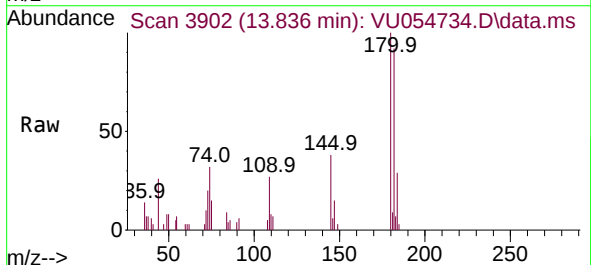
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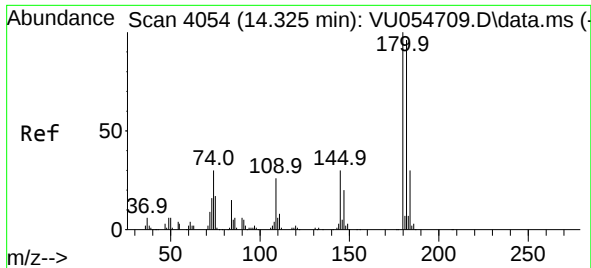
Tgt Ion:146 Resp: 3981  
Ion Ratio Lower Upper  
146 100  
111 51.1 28.9 53.7  
148 75.3 44.0 81.8



#70  
1,2,4-trichlorobenzene  
Concen: 0.332 ug/L  
RT: 13.836 min Scan# 3902  
Delta R.T. 0.000 min  
Lab File: VU054734.D  
Acq: 30 Jun 2023 19:59

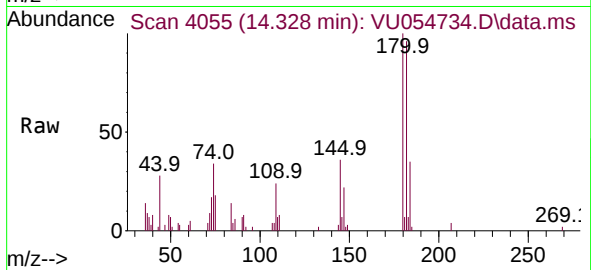
Tgt Ion:180 Resp: 8347  
Ion Ratio Lower Upper  
180 100  
182 97.2 76.6 114.8  
145 34.0 24.0 36.0





#72  
 1,2,3-Trichlorobenzene  
 Concen: 0.405 ug/L  
 RT: 14.328 min Scan# 4055  
 Delta R.T. 0.003 min  
 Lab File: VU054734.D  
 Acq: 30 Jun 2023 19:59

Instrument :  
 MSVOA\_U  
 ClientSampleId :  
 VIBLK170



|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 180   | Resp: | 8728  |
| Ion      | Ratio | Lower | Upper |
| 180      | 100   |       |       |
| 182      | 94.0  | 75.4  | 113.2 |
| 145      | 32.5  | 26.0  | 39.0  |

