

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_U\Data\VU070323\  
 Data File : VU054739.D  
 Acq On : 03 Jul 2023 11:07  
 Operator : MD/SY  
 Sample : 03457-10  
 Misc : 25.0mL/MSVOA\_U/WATER  
 ALS Vial : 5 Sample Multiplier: 1

Instrument :  
 MSVOA\_U  
 ClientSampleId :  
 VHBLK001

Quant Time: Jul 05 04:40:35 2023  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_U\Method\SFAMUTR060723WMA.M  
 Quant Title : TRACE VOA SFAM1.0  
 QLast Update : Wed Jul 05 04:39:25 2023  
 Response via : Initial Calibration

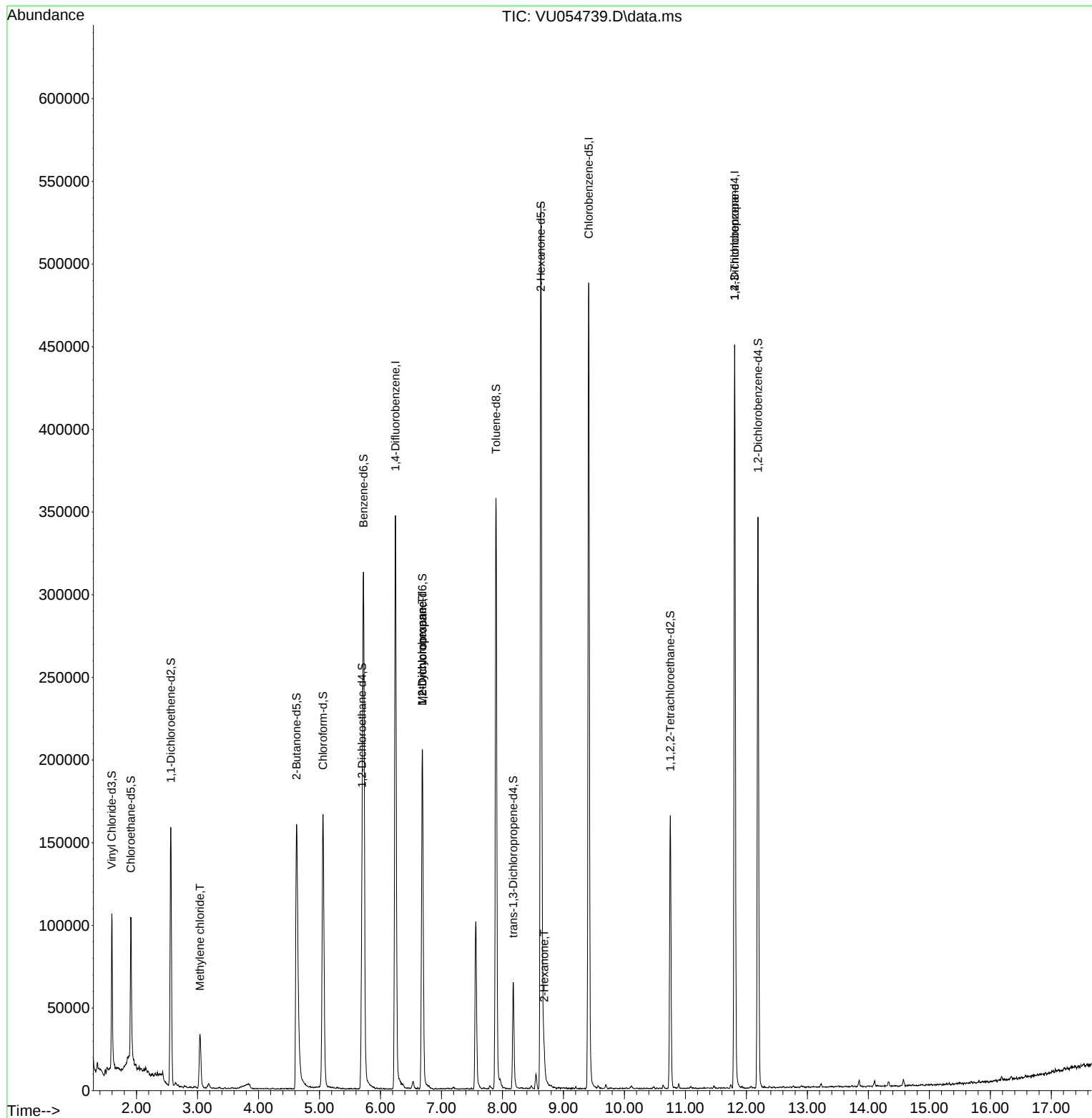
| Compound                      | R.T.   | QIon  | Response | Conc     | Units  | Dev(Min) |
|-------------------------------|--------|-------|----------|----------|--------|----------|
| -----                         |        |       |          |          |        |          |
| Internal Standards            |        |       |          |          |        |          |
| 1) 1,4-Difluorobenzene        | 6.245  | 114   | 277478   | 5.000    | ug/L   | 0.00     |
| 28) Chlorobenzene-d5          | 9.415  | 117   | 270080   | 5.000    | ug/L   | 0.00     |
| 58) 1,4-Dichlorobenzene-d4    | 11.807 | 152   | 119192   | 5.000    | ug/L   | 0.00     |
|                               |        |       |          |          |        |          |
| System Monitoring Compounds   |        |       |          |          |        |          |
| 4) Vinyl Chloride-d3          | 1.596  | 65    | 70809    | 4.010    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 40 - 130 | Recovery | =      | 80.200%  |
| 7) Chloroethane-d5            | 1.907  | 69    | 67845    | 4.103    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 65 - 130 | Recovery | =      | 82.000%  |
| 11) 1,1-Dichloroethene-d2     | 2.563  | 65    | 29685    | 3.764    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 60 - 125 | Recovery | =      | 75.200%  |
| 20) 2-Butanone-d5             | 4.624  | 46    | 266943   | 53.765   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000 | Range | 40 - 130 | Recovery | =      | 107.540% |
| 24) Chloroform-d              | 5.058  | 84    | 153063   | 4.147    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 70 - 125 | Recovery | =      | 83.000%  |
| 26) 1,2-Dichloroethane-d4     | 5.698  | 65    | 81949    | 4.554    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 70 - 130 | Recovery | =      | 91.000%  |
| 32) Benzene-d6                | 5.721  | 84    | 285240   | 3.799    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 70 - 125 | Recovery | =      | 76.000%  |
| 36) 1,2-Dichloropropane-d6    | 6.689  | 67    | 103669   | 4.135    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 60 - 140 | Recovery | =      | 82.600%  |
| 41) Toluene-d8                | 7.894  | 98    | 237700   | 3.567    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 70 - 130 | Recovery | =      | 71.400%  |
| 43) trans-1,3-Dichloroprop... | 8.177  | 79    | 37587    | 4.311    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 55 - 130 | Recovery | =      | 86.200%  |
| 46) 2-Hexanone-d5             | 8.631  | 63    | 177918   | 48.639   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000 | Range | 45 - 130 | Recovery | =      | 97.280%  |
| 56) 1,1,2,2-Tetrachloroeth... | 10.753 | 84    | 85717    | 4.585    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 65 - 120 | Recovery | =      | 91.600%  |
| 66) 1,2-Dichlorobenzene-d4    | 12.190 | 152   | 90194    | 4.486    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 80 - 120 | Recovery | =      | 89.800%  |
|                               |        |       |          |          |        |          |
| Target Compounds              |        |       |          |          |        |          |
| 16) Methylene chloride        | 3.039  | 84    | 16284    | 0.575    | ug/L   | 98       |
| 35) Methylcyclohexane         | 6.685  | 83    | 23560    | 0.607    | ug/L # | 17       |
| 37) 1,2-Dichloropropane       | 6.689  | 63    | 10997    | 0.419    | ug/L # | 89       |
| 48) 2-Hexanone                | 8.685  | 43    | 9339     | 0.895    | ug/L # | 86       |
| 61) 1,2,3-Trichloropropane    | 11.807 | 75    | 16329    | 1.356    | ug/L # | 69       |
| -----                         |        |       |          |          |        |          |

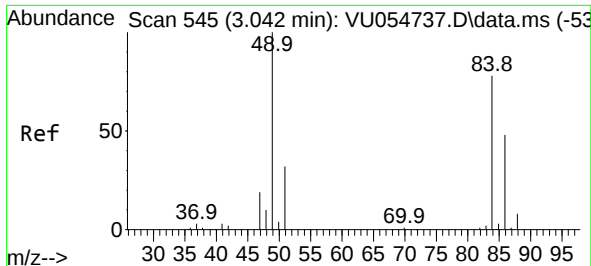
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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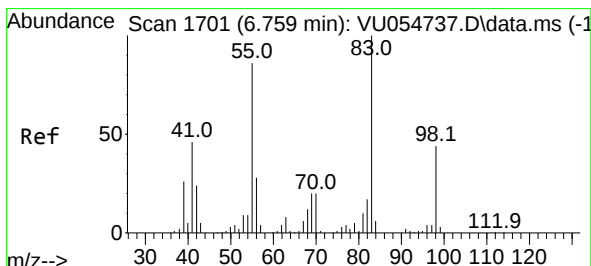
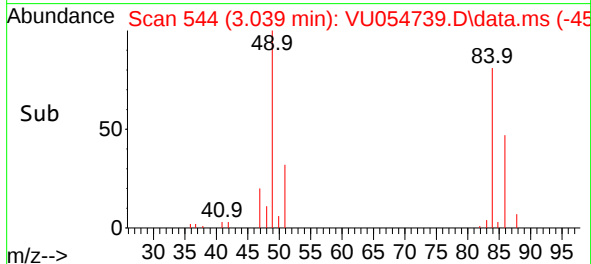
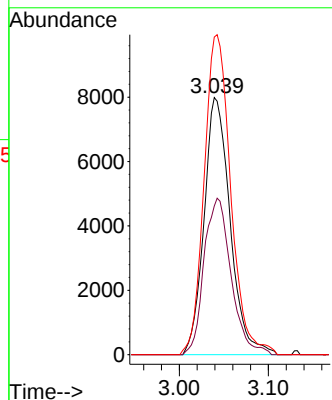
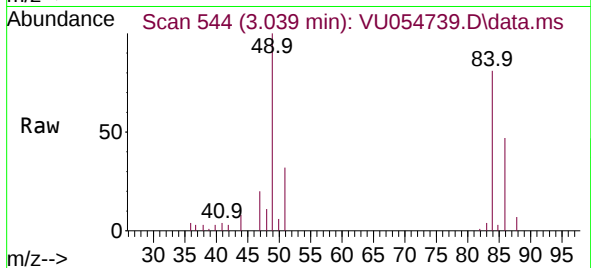




#16  
Methylene chloride  
Concen: 0.575 ug/L  
RT: 3.039 min Scan# 54  
Delta R.T. -0.003 min  
Lab File: VU054739.D  
Acq: 03 Jul 2023 11:07

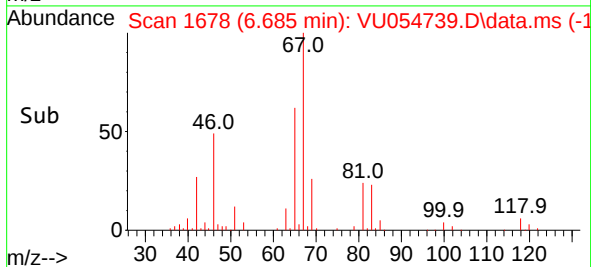
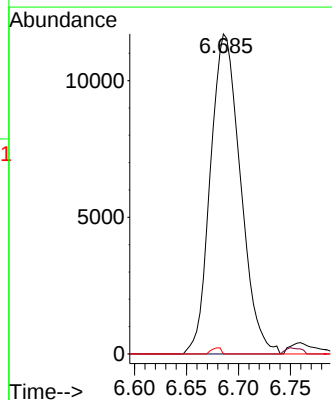
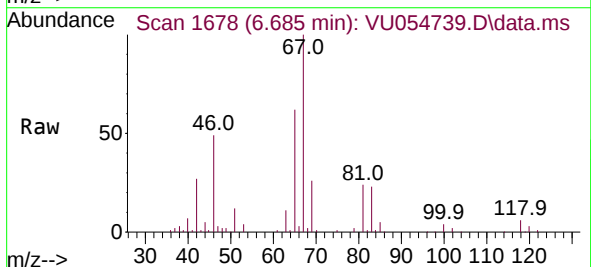
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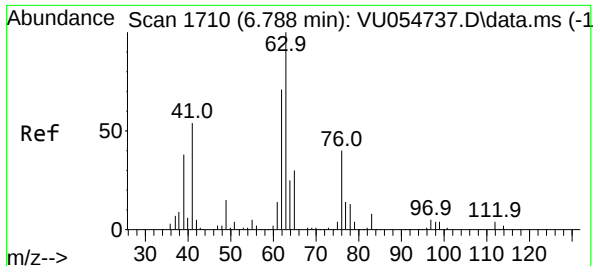
Tgt Ion: 84 Resp: 16284  
Ion Ratio Lower Upper  
84 100  
86 57.8 43.9 81.5  
49 123.5 86.1 159.9



#35  
Methylcyclohexane  
Concen: 0.607 ug/L  
RT: 6.685 min Scan# 1678  
Delta R.T. -0.074 min  
Lab File: VU054739.D  
Acq: 03 Jul 2023 11:07

Tgt Ion: 83 Resp: 23560  
Ion Ratio Lower Upper  
83 100  
55 1.0 67.1 100.7#  
98 0.6 35.1 52.7#

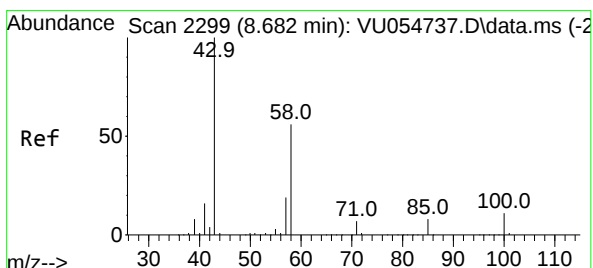
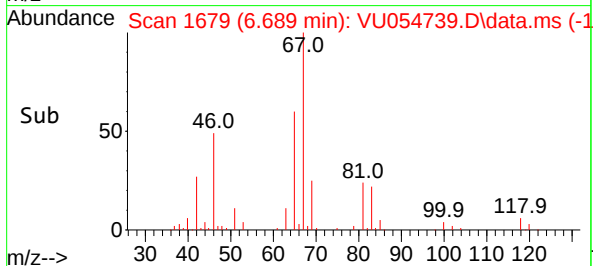
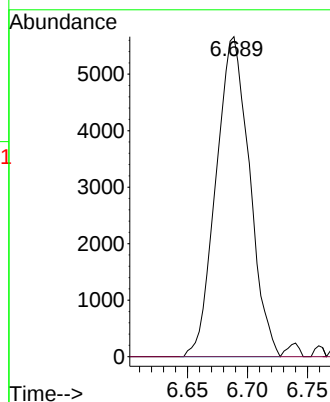
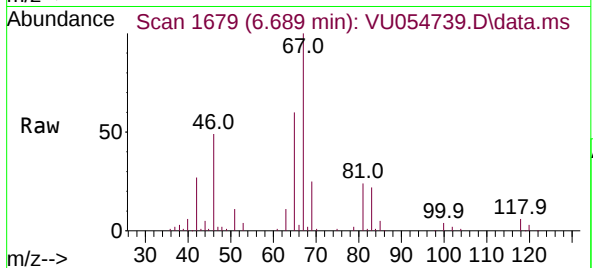




#37  
1,2-Dichloropropane  
Concen: 0.419 ug/L  
RT: 6.689 min Scan# 1  
Delta R.T. -0.100 min  
Lab File: VU054739.D  
Acq: 03 Jul 2023 11:07

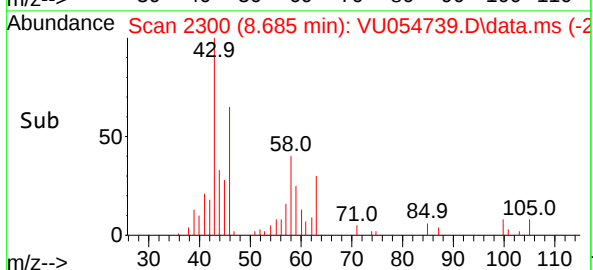
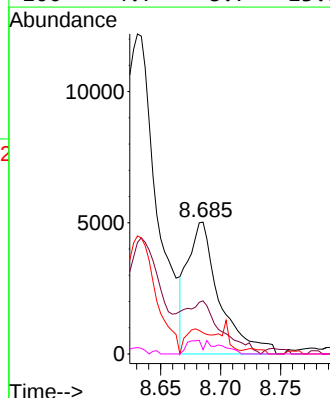
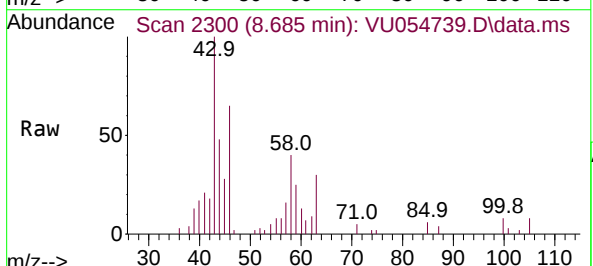
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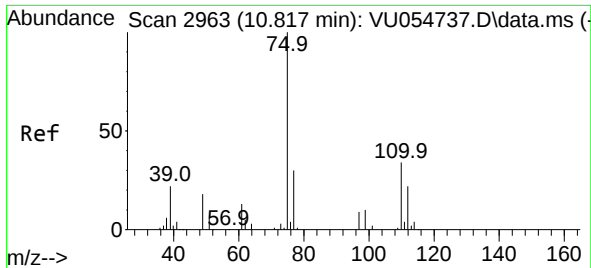
Tgt Ion: 63 Resp: 10997  
Ion Ratio Lower Upper  
63 100  
112 0.2 3.0 4.6#



#48  
2-Hexanone  
Concen: 0.895 ug/L  
RT: 8.685 min Scan# 2300  
Delta R.T. 0.003 min  
Lab File: VU054739.D  
Acq: 03 Jul 2023 11:07

Tgt Ion: 43 Resp: 9339  
Ion Ratio Lower Upper  
43 100  
58 46.8 45.2 67.8  
57 13.2 15.8 23.6#  
100 4.7 8.7 13.1#





#61

1,2,3-Trichloropropane

Concen: 1.356 ug/L

RT: 11.807 min Scan# 31

Delta R.T. 0.990 min

Lab File: VU054739.D

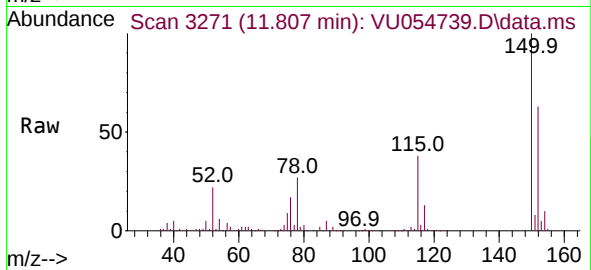
Acq: 03 Jul 2023 11:07

Instrument :

MSVOA\_U

ClientSampleId :

VHBLK001



|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 75    | Resp: | 16329 |
| Ion      | Ratio | Lower | Upper |
| 75       | 100   |       |       |
| 110      | 2.2   | 28.0  | 42.0# |
| 77       | 30.4  | 25.4  | 38.2  |

