

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_U\Data\VU070523\  
 Data File : VU054765.D  
 Acq On : 05 Jul 2023 12:44  
 Operator : MD/SY  
 Sample : 03495-14DL 4X  
 Misc : 25.0mL/MSVOA\_U/WATER  
 ALS Vial : 9 Sample Multiplier: 1

Instrument :  
 MSVOA\_U  
 ClientSampleId :  
 H0FC3DL

Quant Time: Jul 06 01:03:38 2023  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_U\Method\SFAMUTR060723WMA.M  
 Quant Title : TRACE VOA SFAM1.0  
 QLast Update : Thu Jul 06 01:01:36 2023  
 Response via : Initial Calibration

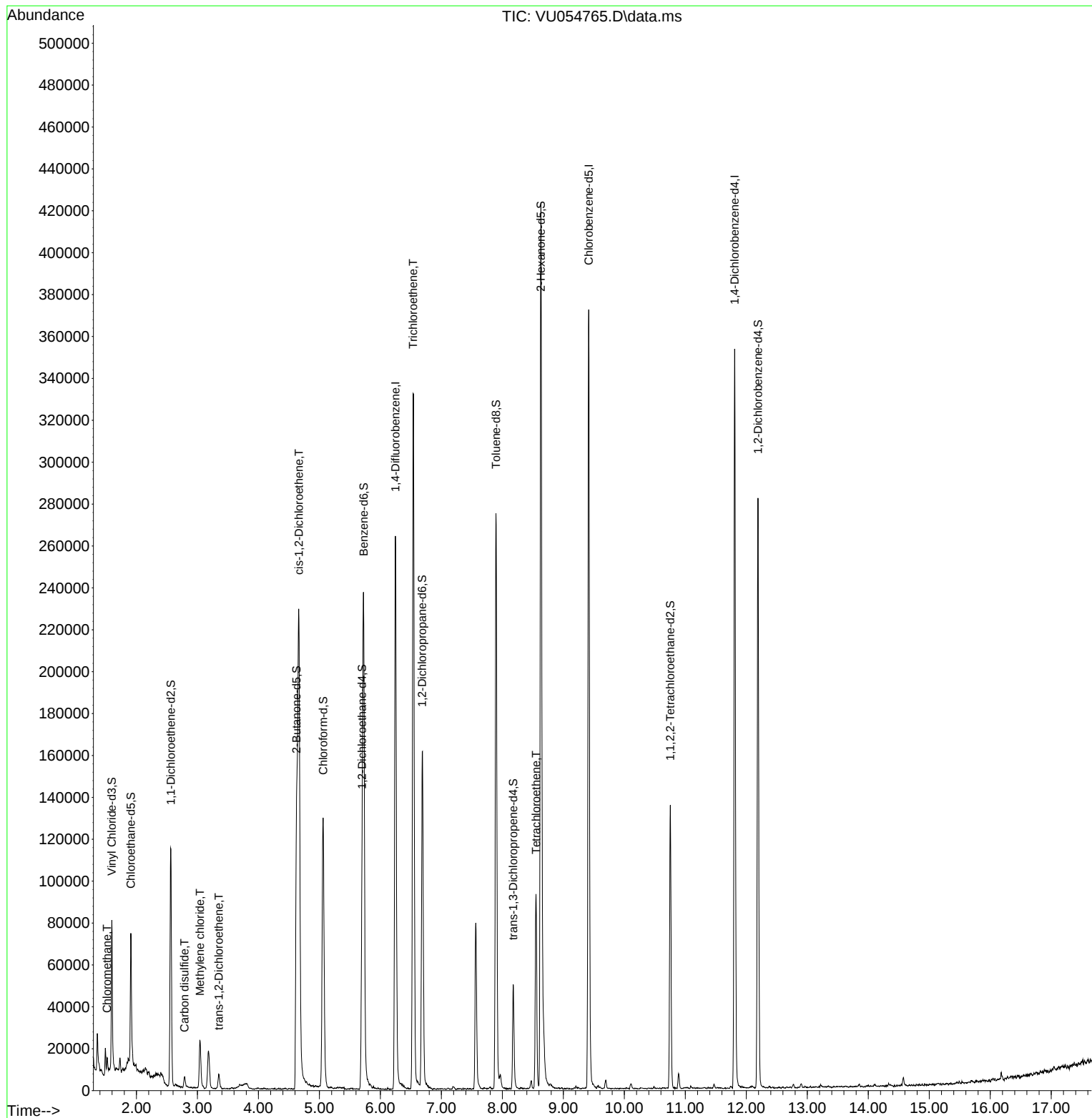
| Compound                      | R.T.   | QIon  | Response | Conc     | Units  | Dev(Min) |
|-------------------------------|--------|-------|----------|----------|--------|----------|
| -----                         |        |       |          |          |        |          |
| Internal Standards            |        |       |          |          |        |          |
| 1) 1,4-Difluorobenzene        | 6.245  | 114   | 212485   | 5.000    | ug/L   | 0.00     |
| 28) Chlorobenzene-d5          | 9.415  | 117   | 206877   | 5.000    | ug/L   | 0.00     |
| 58) 1,4-Dichlorobenzene-d4    | 11.807 | 152   | 95951    | 5.000    | ug/L   | 0.00     |
| System Monitoring Compounds   |        |       |          |          |        |          |
| 4) Vinyl Chloride-d3          | 1.596  | 65    | 50449    | 3.731    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 40 - 130 | Recovery | =      | 74.600%  |
| 7) Chloroethane-d5            | 1.907  | 69    | 47799    | 3.775    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 65 - 130 | Recovery | =      | 75.600%  |
| 11) 1,1-Dichloroethene-d2     | 2.563  | 65    | 22437    | 3.715    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 60 - 125 | Recovery | =      | 74.200%  |
| 20) 2-Butanone-d5             | 4.624  | 46    | 204952   | 53.906   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000 | Range | 40 - 130 | Recovery | =      | 107.820% |
| 24) Chloroform-d              | 5.062  | 84    | 121118   | 4.285    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 70 - 125 | Recovery | =      | 85.600%  |
| 26) 1,2-Dichloroethane-d4     | 5.698  | 65    | 67319    | 4.886    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 70 - 130 | Recovery | =      | 97.800%  |
| 32) Benzene-d6                | 5.724  | 84    | 216856   | 3.771    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 70 - 125 | Recovery | =      | 75.400%  |
| 36) 1,2-Dichloropropane-d6    | 6.685  | 67    | 78677    | 4.097    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 60 - 140 | Recovery | =      | 82.000%  |
| 41) Toluene-d8                | 7.894  | 98    | 185854   | 3.642    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 70 - 130 | Recovery | =      | 72.800%  |
| 43) trans-1,3-Dichloroprop... | 8.177  | 79    | 27933    | 4.182    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 55 - 130 | Recovery | =      | 83.600%  |
| 46) 2-Hexanone-d5             | 8.631  | 63    | 139674   | 49.849   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000 | Range | 45 - 130 | Recovery | =      | 99.700%  |
| 56) 1,1,2,2-Tetrachloroeth... | 10.753 | 84    | 68044    | 4.751    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 65 - 120 | Recovery | =      | 95.000%  |
| 66) 1,2-Dichlorobenzene-d4    | 12.190 | 152   | 72947    | 4.507    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 80 - 120 | Recovery | =      | 90.200%  |
| Target Compounds              |        |       |          |          |        |          |
|                               |        |       |          |          | Qvalue |          |
| 3) Chloromethane              | 1.518  | 50    | 4478     | 0.196    | ug/L   | 99       |
| 14) Carbon disulfide          | 2.788  | 76    | 6412     | 0.140    | ug/L # | 91       |
| 16) Methylene chloride        | 3.039  | 84    | 11304    | 0.522    | ug/L   | 95       |
| 18) trans-1,2-Dichloroethene  | 3.351  | 96    | 2629     | 0.165    | ug/L   | 83       |
| 22) cis-1,2-Dichloroethene    | 4.663  | 96    | 103233   | 5.697    | ug/L   | 96       |
| 34) Trichloroethene           | 6.538  | 95    | 116051   | 5.903    | ug/L   | 96       |
| 47) Tetrachloroethene         | 8.553  | 164   | 21419    | 1.423    | ug/L   | 96       |
| -----                         |        |       |          |          |        |          |

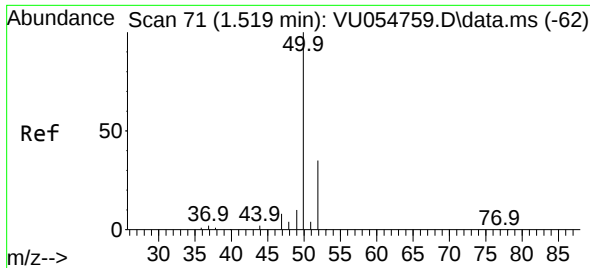
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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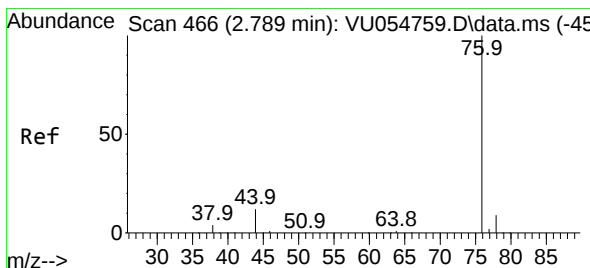
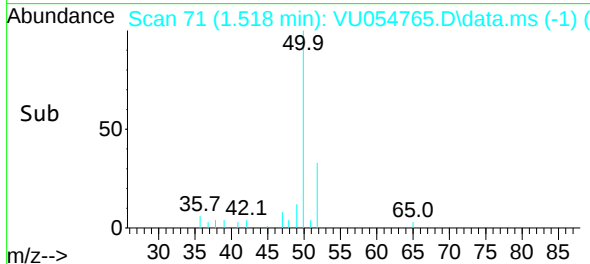
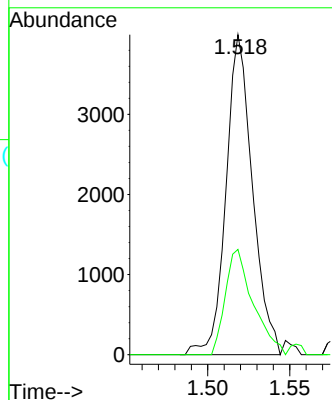
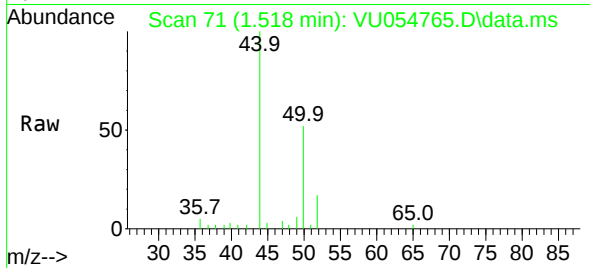




#3  
Chloromethane  
Concen: 0.196 ug/L  
RT: 1.518 min Scan# 71  
Delta R.T. -0.000 min  
Lab File: VU054765.D  
Acq: 05 Jul 2023 12:44

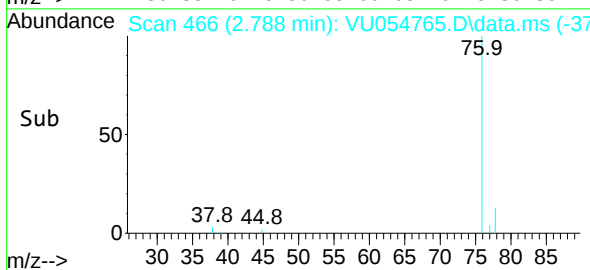
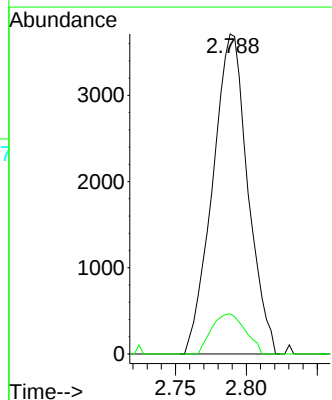
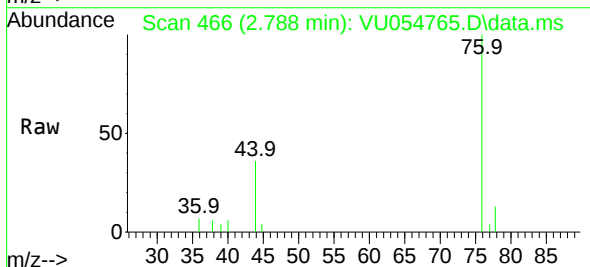
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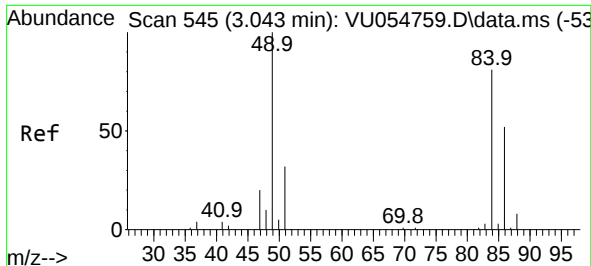
Tgt Ion: 50 Resp: 4478  
Ion Ratio Lower Upper  
50 100  
52 32.9 23.4 43.4



#14  
Carbon disulfide  
Concen: 0.140 ug/L  
RT: 2.788 min Scan# 466  
Delta R.T. -0.000 min  
Lab File: VU054765.D  
Acq: 05 Jul 2023 12:44

Tgt Ion: 76 Resp: 6412  
Ion Ratio Lower Upper  
76 100  
78 12.6 7.4 11.0

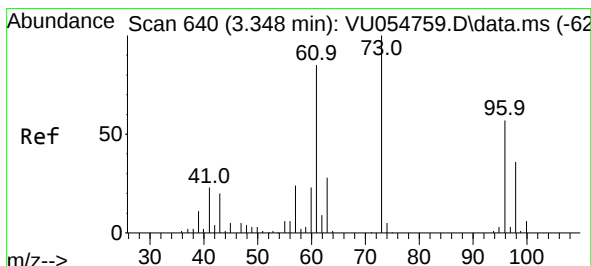
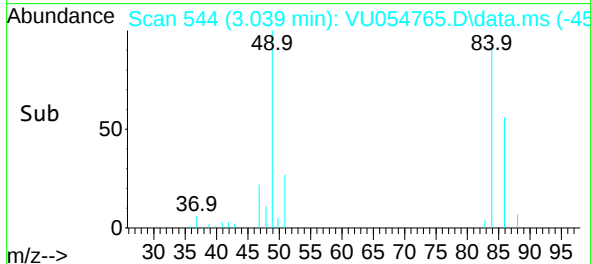
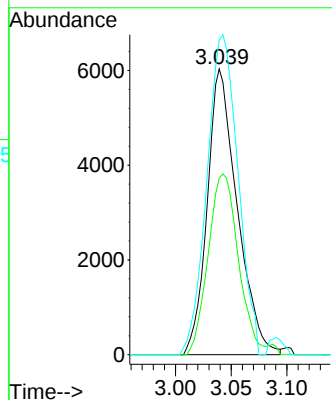
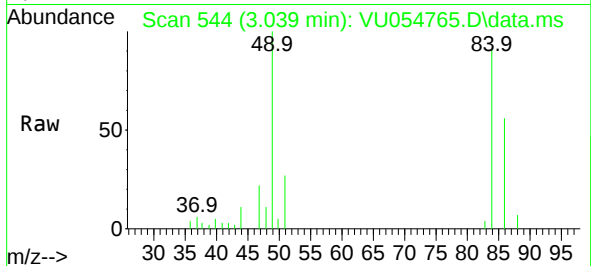




#16  
Methylene chloride  
Concen: 0.522 ug/L  
RT: 3.039 min Scan# 545  
Delta R.T. -0.003 min  
Lab File: VU054765.D  
Acq: 05 Jul 2023 12:44

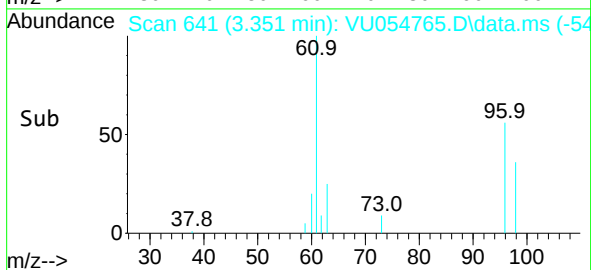
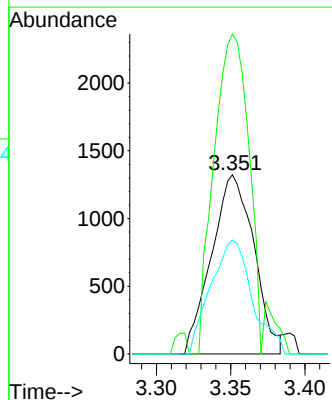
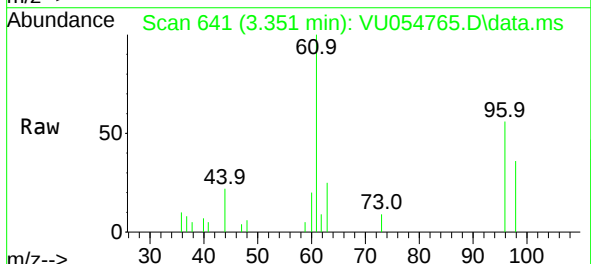
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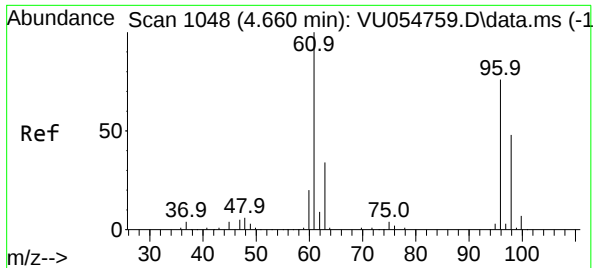
Tgt Ion: 84 Resp: 11304  
Ion Ratio Lower Upper  
84 100  
86 61.7 43.9 81.5  
49 115.1 86.1 159.9



#18  
trans-1,2-Dichloroethene  
Concen: 0.165 ug/L  
RT: 3.351 min Scan# 641  
Delta R.T. 0.003 min  
Lab File: VU054765.D  
Acq: 05 Jul 2023 12:44

Tgt Ion: 96 Resp: 2629  
Ion Ratio Lower Upper  
96 100  
61 178.6 104.6 194.2  
98 63.6 45.4 84.4

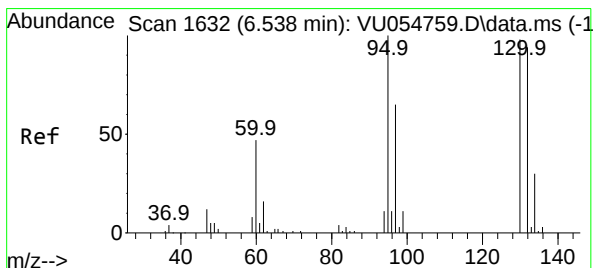
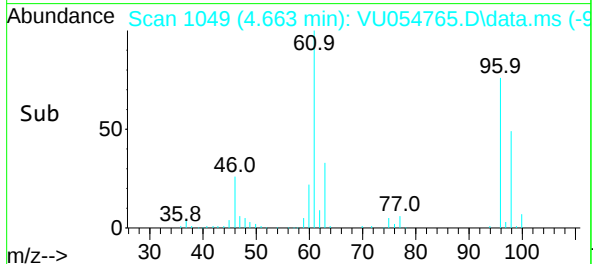
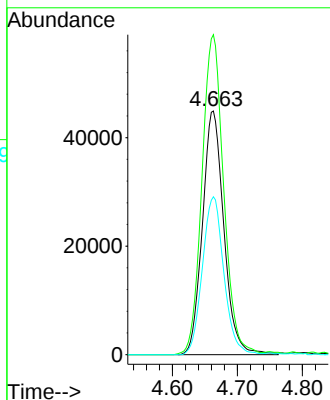
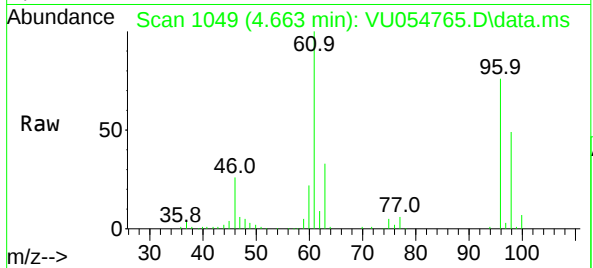




#22  
 cis-1,2-Dichloroethene  
 Concen: 5.697 ug/L  
 RT: 4.663 min Scan# 1049  
 Delta R.T. 0.003 min  
 Lab File: VU054765.D  
 Acq: 05 Jul 2023 12:44

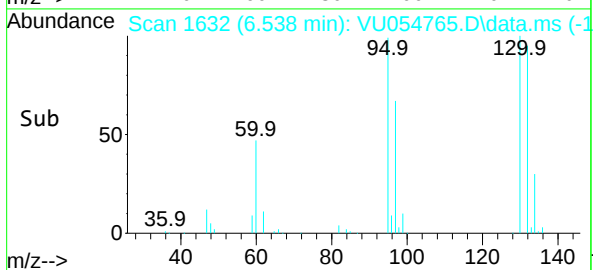
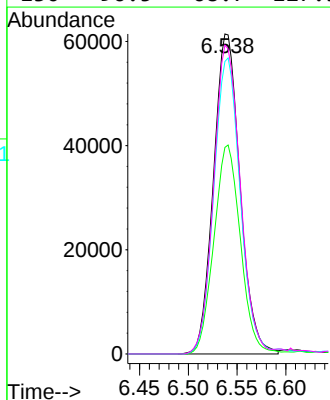
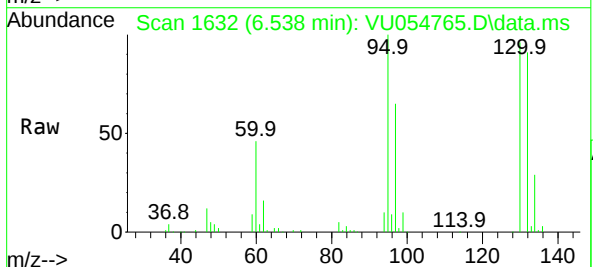
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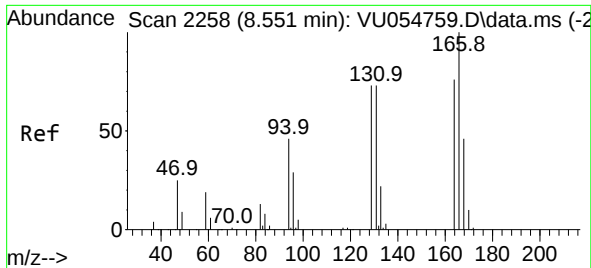
Tgt Ion: 96 Resp: 103233  
 Ion Ratio Lower Upper  
 96 100  
 61 131.3 96.5 179.1  
 98 64.8 44.9 83.3



#34  
 Trichloroethene  
 Concen: 5.903 ug/L  
 RT: 6.538 min Scan# 1632  
 Delta R.T. -0.000 min  
 Lab File: VU054765.D  
 Acq: 05 Jul 2023 12:44

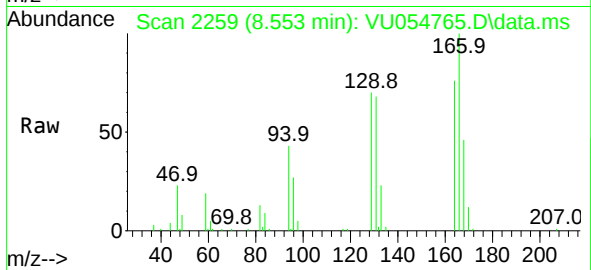
Tgt Ion: 95 Resp: 116051  
 Ion Ratio Lower Upper  
 95 100  
 97 64.5 46.8 87.0  
 132 91.4 68.4 127.0  
 130 96.5 68.7 127.5





#47  
 Tetrachloroethene  
 Concen: 1.423 ug/L  
 RT: 8.553 min Scan# 21  
 Delta R.T. 0.003 min  
 Lab File: VU054765.D  
 Acq: 05 Jul 2023 12:44

Instrument :  
 MSVOA\_U  
 ClientSampleId :  
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|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 164   | Resp: | 21419 |
| Ion      | Ratio | Lower | Upper |
| 164      | 100   |       |       |
| 129      | 92.1  | 67.7  | 125.7 |
| 131      | 90.2  | 64.6  | 120.0 |
| 166      | 132.1 | 88.1  | 163.7 |

