

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_U\Data\VU011425\  
 Data File : VU062733.D  
 Acq On : 14 Jan 2025 10:45  
 Operator : MD/SY  
 Sample : Q1058-04  
 Misc : 25mL/MSVOA\_U/WATER  
 ALS Vial : 32 Sample Multiplier: 1

Instrument :  
 MSVOA\_U  
 ClientSampleId :  
 BH8X3

Quant Time: Jan 15 00:32:24 2025  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_U\Method\SFAMUTR010225WMA.M  
 Quant Title : TRACE VOA SFAM1.0  
 QLast Update : Wed Jan 15 00:31:11 2025  
 Response via : Initial Calibration

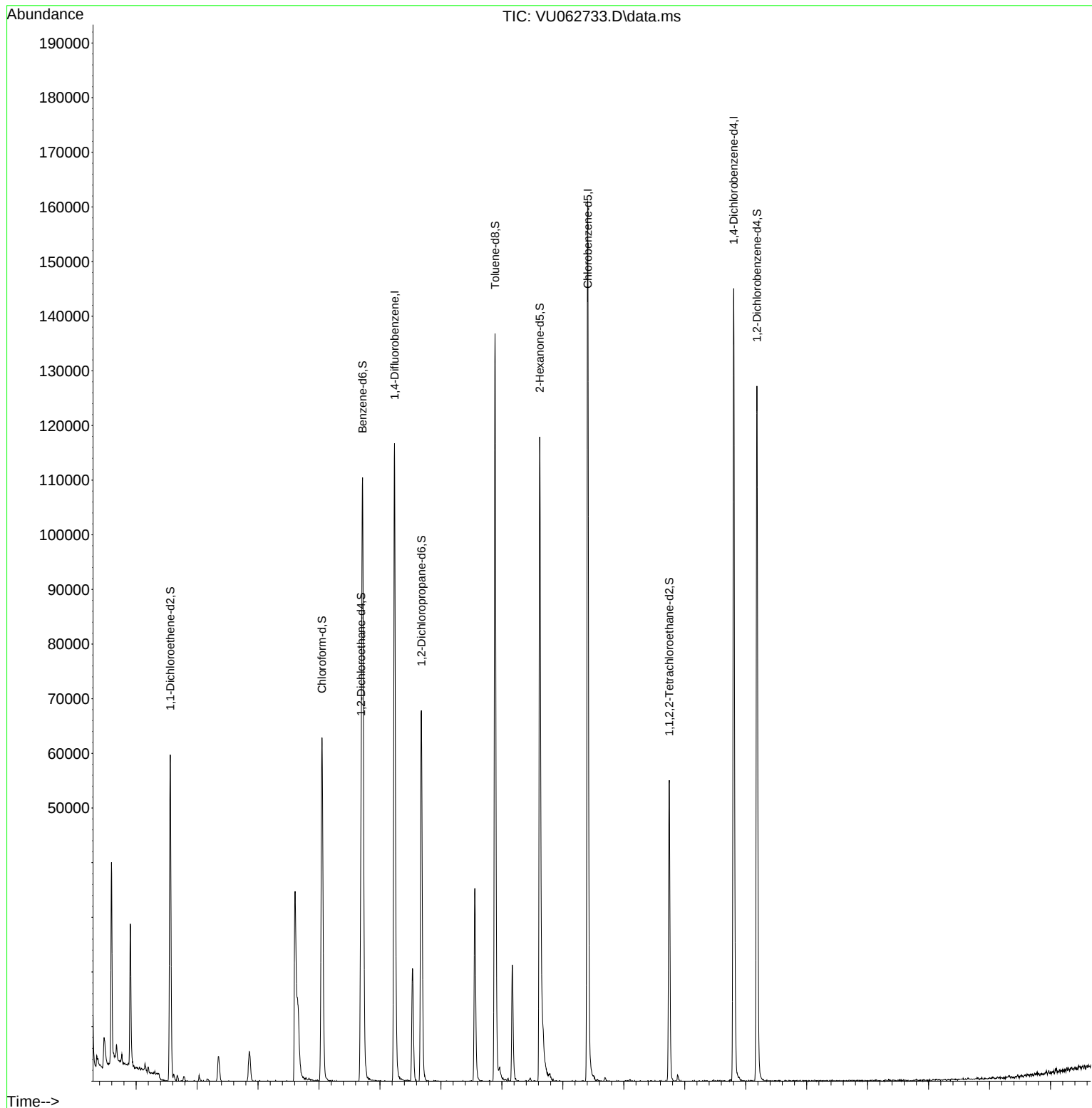
| Compound                      | R.T.   | QIon  | Response | Conc     | Units  | Dev(Min) |
|-------------------------------|--------|-------|----------|----------|--------|----------|
| -----                         |        |       |          |          |        |          |
| Internal Standards            |        |       |          |          |        |          |
| 1) 1,4-Difluorobenzene        | 6.238  | 114   | 95108    | 5.000    | ug/L   | 0.00     |
| 28) Chlorobenzene-d5          | 9.409  | 117   | 91566    | 5.000    | ug/L   | 0.00     |
| 58) 1,4-Dichlorobenzene-d4    | 11.804 | 152   | 42361    | 5.000    | ug/L   | 0.00     |
|                               |        |       |          |          |        |          |
| System Monitoring Compounds   |        |       |          |          |        |          |
| 4) Vinyl Chloride-d3          | 1.595  | 65    | 20163    | 3.828    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 40 - 130 | Recovery | =      | 76.600%  |
| 7) Chloroethane-d5            | 1.904  | 69    | 18190    | 4.293    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 65 - 130 | Recovery | =      | 85.800%  |
| 11) 1,1-Dichloroethene-d2     | 2.560  | 65    | 10977    | 4.023    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 60 - 125 | Recovery | =      | 80.400%  |
| 20) 2-Butanone-d5             | 4.605  | 46    | 50885    | 47.266   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000 | Range | 40 - 130 | Recovery | =      | 94.540%  |
| 24) Chloroform-d              | 5.049  | 84    | 62233    | 4.802    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 70 - 125 | Recovery | =      | 96.000%  |
| 26) 1,2-Dichloroethane-d4     | 5.692  | 65    | 35853    | 5.100    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 70 - 130 | Recovery | =      | 102.000% |
| 32) Benzene-d6                | 5.714  | 84    | 103929   | 4.643    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 70 - 125 | Recovery | =      | 92.800%  |
| 36) 1,2-Dichloropropane-d6    | 6.679  | 67    | 30675    | 4.943    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 60 - 140 | Recovery | =      | 98.800%  |
| 41) Toluene-d8                | 7.888  | 98    | 93869    | 4.305    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 70 - 130 | Recovery | =      | 86.000%  |
| 43) trans-1,3-Dichloroprop... | 8.171  | 79    | 13908    | 4.496    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 55 - 130 | Recovery | =      | 90.000%  |
| 46) 2-Hexanone-d5             | 8.621  | 63    | 42987    | 44.183   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000 | Range | 45 - 130 | Recovery | =      | 88.360%  |
| 56) 1,1,2,2-Tetrachloroeth... | 10.746 | 84    | 26264    | 5.053    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 65 - 120 | Recovery | =      | 101.000% |
| 66) 1,2-Dichlorobenzene-d4    | 12.183 | 152   | 36053    | 5.116    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 80 - 120 | Recovery | =      | 102.400% |
|                               |        |       |          |          |        |          |
| Target Compounds              |        |       |          |          |        |          |
| 5) Vinyl chloride             | 1.602  | 62    | 4960     | 0.724    | ug/L # | 42       |
| 12) 1,1-Dichloroethene        | 2.573  | 96    | 1586     | 0.269    | ug/L # | 1        |
| 17) Methyl tert-butyl Ether   | 3.348  | 73    | 5473     | 0.337    | ug/L   | 96       |
| 19) 1,1-Dichloroethane        | 3.856  | 63    | 7015     | 0.620    | ug/L   | 97       |
| 22) cis-1,2-Dichloroethene    | 4.660  | 96    | 5697     | 0.827    | ug/L   | 96       |
| 34) Trichloroethene           | 6.534  | 95    | 7237     | 0.805    | ug/L   | 96       |
| -----                         |        |       |          |          |        |          |

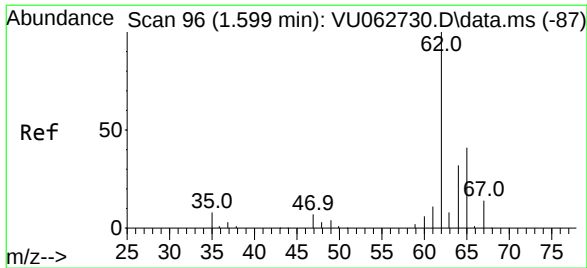
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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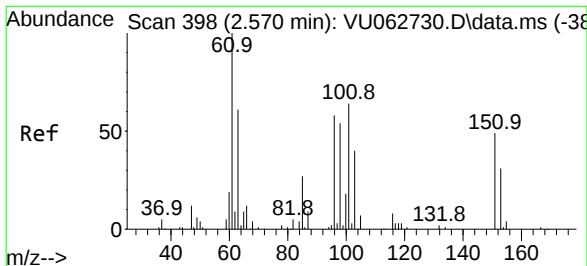
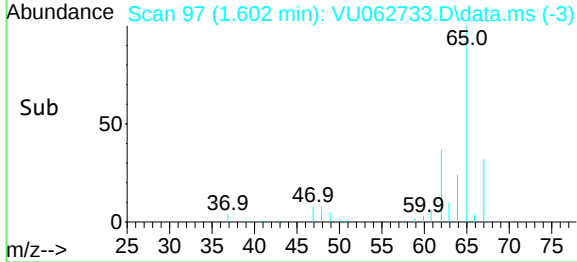
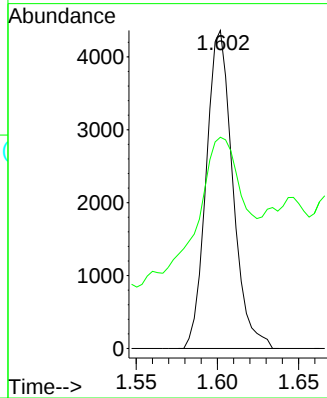
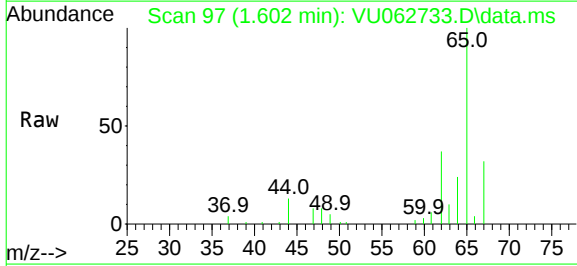




#5  
 Vinyl chloride  
 Concen: 0.724 ug/L  
 RT: 1.602 min Scan# 97  
 Delta R.T. 0.003 min  
 Lab File: VU062733.D  
 Acq: 14 Jan 2025 10:45

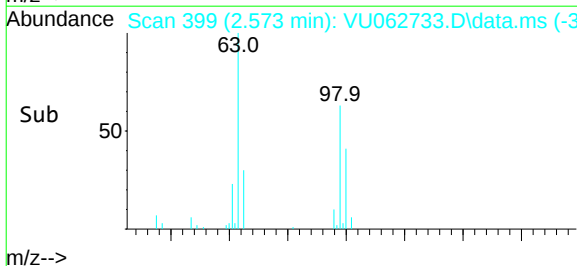
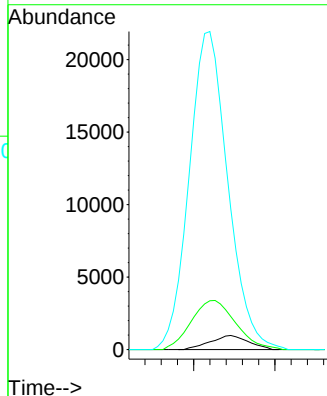
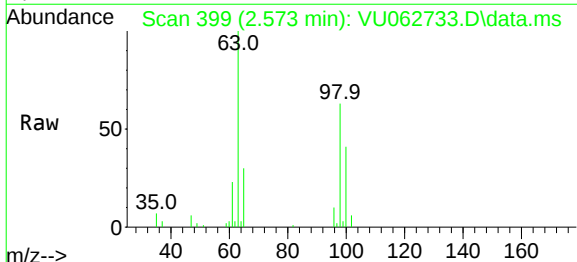
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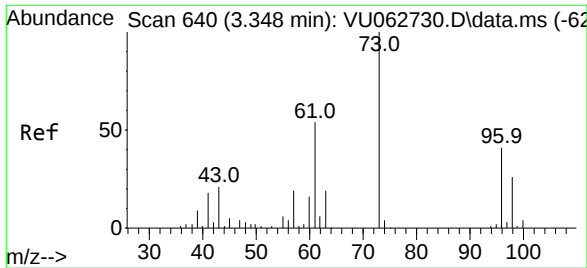
Tgt Ion: 62 Resp: 4960  
 Ion Ratio Lower Upper  
 62 100  
 64 66.4 23.4 43.4#



#12  
 1,1-Dichloroethene  
 Concen: 0.269 ug/L  
 RT: 2.573 min Scan# 399  
 Delta R.T. 0.003 min  
 Lab File: VU062733.D  
 Acq: 14 Jan 2025 10:45

Tgt Ion: 96 Resp: 1586  
 Ion Ratio Lower Upper  
 96 100  
 61 234.3 120.4 223.6#  
 63 997.5 82.3 152.9#

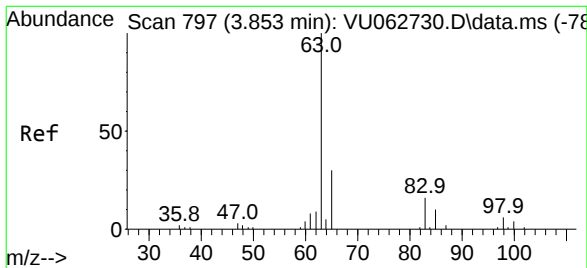
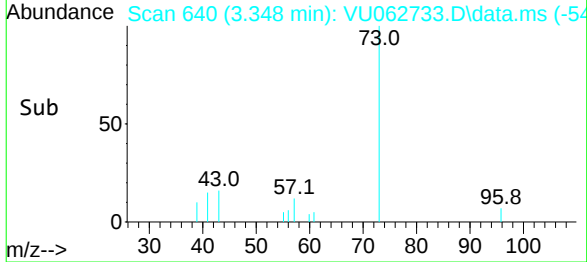
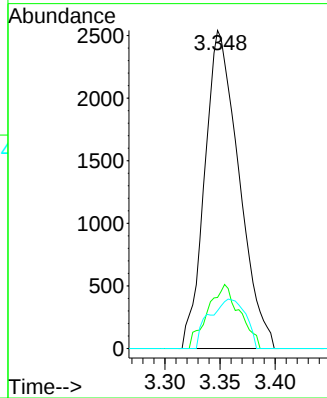
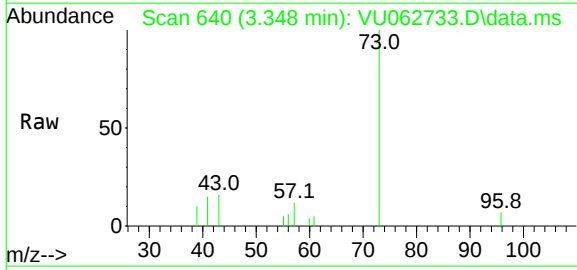




#17  
Methyl tert-butyl Ether  
Concen: 0.337 ug/L  
RT: 3.348 min Scan# 640  
Delta R.T. -0.000 min  
Lab File: VU062733.D  
Acq: 14 Jan 2025 10:45

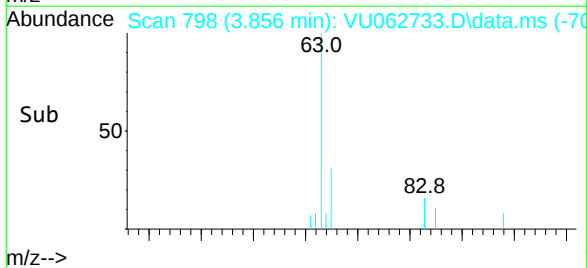
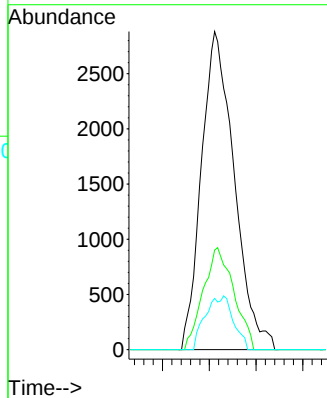
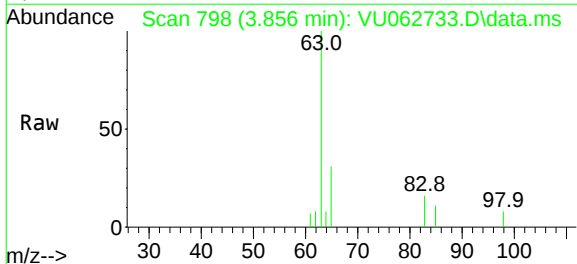
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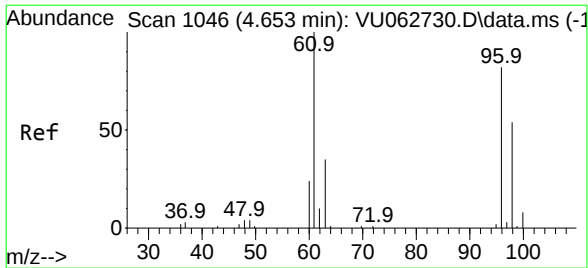
|             |             |
|-------------|-------------|
| Tgt Ion: 73 | Resp: 5473  |
| Ion Ratio   | Lower Upper |
| 73 100      |             |
| 43 18.9     | 16.2 24.4   |
| 57 16.4     | 14.6 22.0   |



#19  
1,1-Dichloroethane  
Concen: 0.620 ug/L  
RT: 3.856 min Scan# 798  
Delta R.T. 0.003 min  
Lab File: VU062733.D  
Acq: 14 Jan 2025 10:45

|             |             |
|-------------|-------------|
| Tgt Ion: 63 | Resp: 7015  |
| Ion Ratio   | Lower Upper |
| 63 100      |             |
| 65 31.3     | 20.7 38.5   |
| 83 16.1     | 10.5 19.5   |

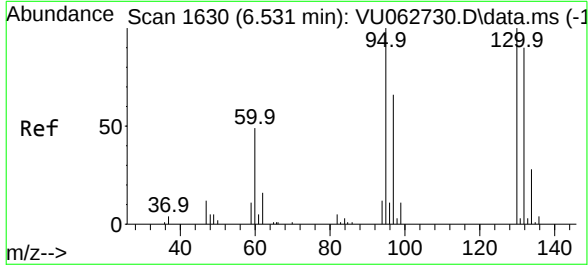
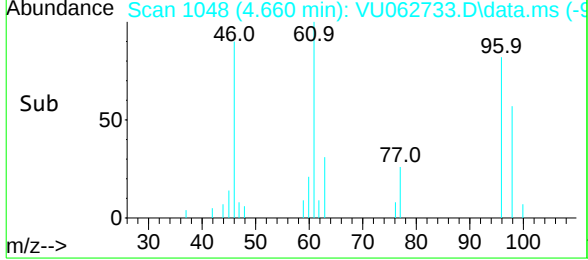
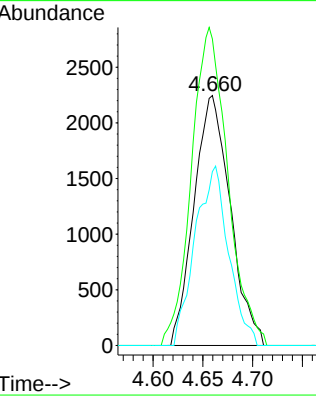
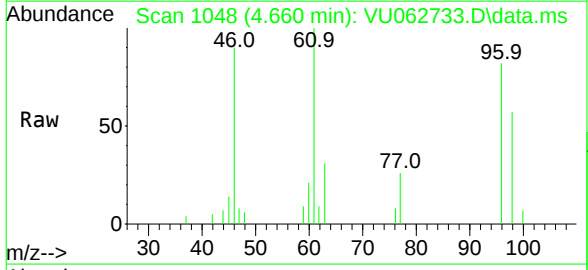




#22  
 cis-1,2-Dichloroethene  
 Concen: 0.827 ug/L  
 RT: 4.660 min Scan# 1048  
 Delta R.T. 0.006 min  
 Lab File: VU062733.D  
 Acq: 14 Jan 2025 10:45

Instrument :  
 MSVOA\_U  
 ClientSampleId :  
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|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 96    | Resp: | 5697  |
| Ion      | Ratio | Lower | Upper |
| 96       | 100   |       |       |
| 61       | 122.7 | 84.8  | 157.6 |
| 98       | 69.5  | 43.1  | 80.1  |



#34  
 Trichloroethene  
 Concen: 0.805 ug/L  
 RT: 6.534 min Scan# 1631  
 Delta R.T. 0.003 min  
 Lab File: VU062733.D  
 Acq: 14 Jan 2025 10:45

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 95    | Resp: | 7237  |
| Ion      | Ratio | Lower | Upper |
| 95       | 100   |       |       |
| 97       | 58.3  | 47.5  | 88.3  |
| 132      | 93.8  | 66.9  | 124.3 |
| 130      | 98.8  | 68.6  | 127.4 |

