

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_U\Data\VU011025\  
 Data File : VU062690.D  
 Acq On : 10 Jan 2025 17:41  
 Operator : MD/SY  
 Sample : Q1058-04  
 Misc : 25mL/MSVOA\_U/WATER  
 ALS Vial : 20 Sample Multiplier: 1

Instrument :  
 MSVOA\_U  
 ClientSampleId :  
 BH8X3

Quant Time: Jan 10 22:47:34 2025  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_U\Method\SFAMUTR010225WMA.M  
 Quant Title : TRACE VOA SFAM1.0  
 QLast Update : Fri Jan 10 22:42:03 2025  
 Response via : Initial Calibration

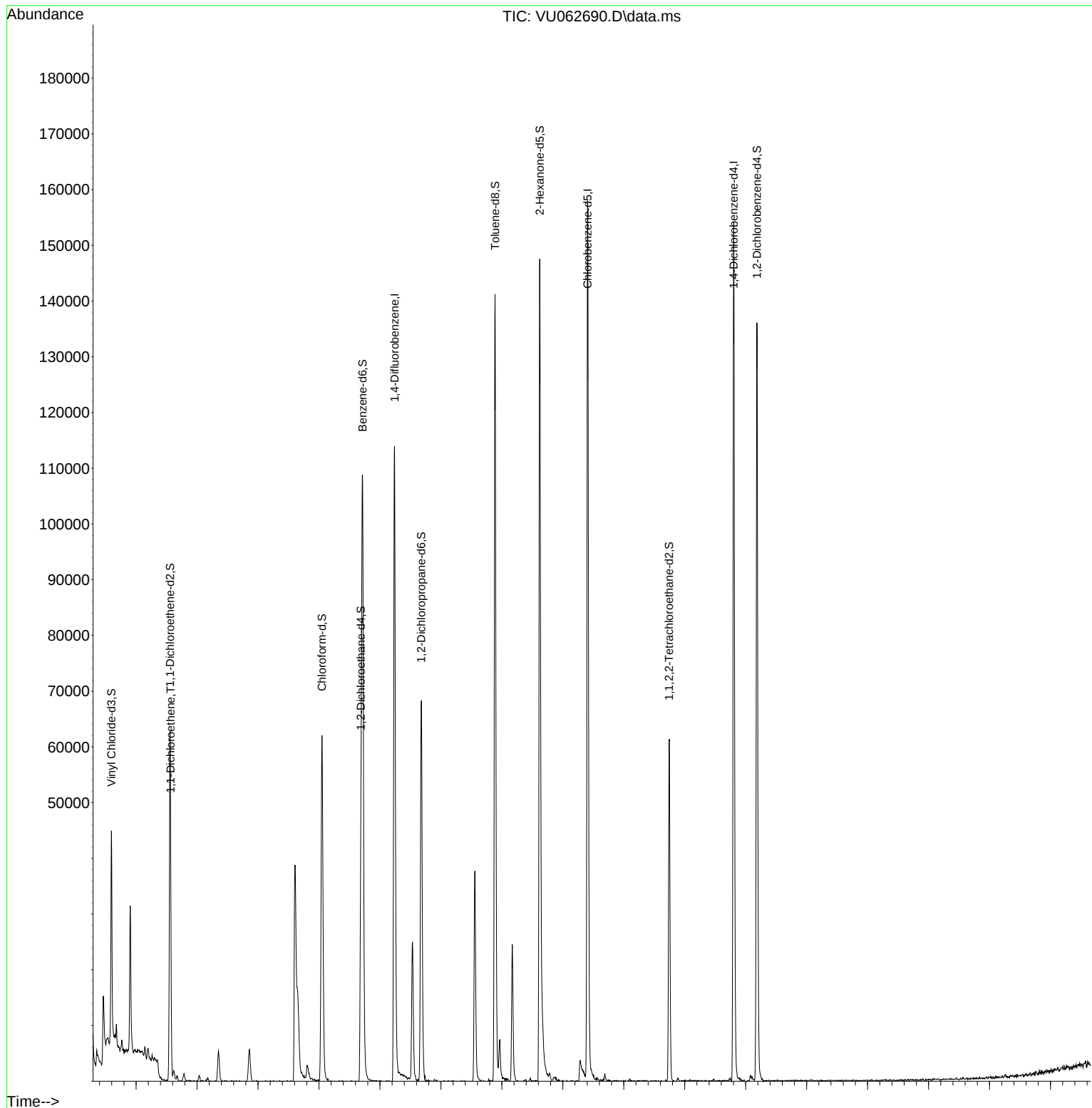
| Compound                      | R.T.   | QIon  | Response | Conc     | Units | Dev(Min) |
|-------------------------------|--------|-------|----------|----------|-------|----------|
| -----                         |        |       |          |          |       |          |
| Internal Standards            |        |       |          |          |       |          |
| 1) 1,4-Difluorobenzene        | 6.239  | 114   | 94424    | 5.000    | ug/L  | 0.00     |
| 28) Chlorobenzene-d5          | 9.406  | 117   | 90607    | 5.000    | ug/L  | 0.00     |
| 58) 1,4-Dichlorobenzene-d4    | 11.804 | 152   | 43511    | 5.000    | ug/L  | 0.00     |
|                               |        |       |          |          |       |          |
| System Monitoring Compounds   |        |       |          |          |       |          |
| 4) Vinyl Chloride-d3          | 1.596  | 65    | 20531    | 3.926    | ug/L  | 0.00     |
| Spiked Amount                 | 5.000  | Range | 40 - 130 | Recovery | =     | 78.600%  |
| 7) Chloroethane-d5            | 1.904  | 69    | 18740    | 4.455    | ug/L  | 0.00     |
| Spiked Amount                 | 5.000  | Range | 65 - 130 | Recovery | =     | 89.000%  |
| 11) 1,1-Dichloroethene-d2     | 2.557  | 65    | 11610    | 4.285    | ug/L  | 0.00     |
| Spiked Amount                 | 5.000  | Range | 60 - 125 | Recovery | =     | 85.800%  |
| 20) 2-Butanone-d5             | 4.605  | 46    | 57021    | 53.349   | ug/L  | 0.00     |
| Spiked Amount                 | 50.000 | Range | 40 - 130 | Recovery | =     | 106.700% |
| 24) Chloroform-d              | 5.049  | 84    | 60843    | 4.729    | ug/L  | 0.00     |
| Spiked Amount                 | 5.000  | Range | 70 - 125 | Recovery | =     | 94.600%  |
| 26) 1,2-Dichloroethane-d4     | 5.689  | 65    | 36471    | 5.226    | ug/L  | 0.00     |
| Spiked Amount                 | 5.000  | Range | 70 - 130 | Recovery | =     | 104.600% |
| 32) Benzene-d6                | 5.714  | 84    | 103351   | 4.666    | ug/L  | 0.00     |
| Spiked Amount                 | 5.000  | Range | 70 - 125 | Recovery | =     | 93.400%  |
| 36) 1,2-Dichloropropane-d6    | 6.676  | 67    | 31404    | 5.114    | ug/L  | 0.00     |
| Spiked Amount                 | 5.000  | Range | 60 - 140 | Recovery | =     | 102.200% |
| 41) Toluene-d8                | 7.888  | 98    | 96652    | 4.479    | ug/L  | 0.00     |
| Spiked Amount                 | 5.000  | Range | 70 - 130 | Recovery | =     | 89.600%  |
| 43) trans-1,3-Dichloroprop... | 8.171  | 79    | 15610    | 5.100    | ug/L  | 0.00     |
| Spiked Amount                 | 5.000  | Range | 55 - 130 | Recovery | =     | 102.000% |
| 46) 2-Hexanone-d5             | 8.621  | 63    | 53123    | 55.179   | ug/L  | 0.00     |
| Spiked Amount                 | 50.000 | Range | 45 - 130 | Recovery | =     | 110.360% |
| 56) 1,1,2,2-Tetrachloroeth... | 10.743 | 84    | 28366    | 5.516    | ug/L  | 0.00     |
| Spiked Amount                 | 5.000  | Range | 65 - 120 | Recovery | =     | 110.400% |
| 66) 1,2-Dichlorobenzene-d4    | 12.184 | 152   | 37700    | 5.208    | ug/L  | 0.00     |
| Spiked Amount                 | 5.000  | Range | 80 - 120 | Recovery | =     | 104.200% |
|                               |        |       |          |          |       |          |
| Target Compounds              |        |       |          |          |       |          |
| 12) 1,1-Dichloroethene        | 2.567  | 96    | 1507     | 0.257    | ug/L  | # 1      |
| 17) Methyl tert-butyl Ether   | 3.354  | 73    | 6051     | 0.376    | ug/L  | 98       |
| 19) 1,1-Dichloroethane        | 3.859  | 63    | 6857     | 0.611    | ug/L  | 92       |
| 22) cis-1,2-Dichloroethene    | 4.653  | 96    | 6108     | 0.893    | ug/L  | 90       |
| 34) Trichloroethene           | 6.531  | 95    | 8996     | 1.012    | ug/L  | 93       |
| 42) Toluene                   | 7.962  | 91    | 5861     | 0.205    | ug/L  | 97       |
| -----                         |        |       |          |          |       |          |

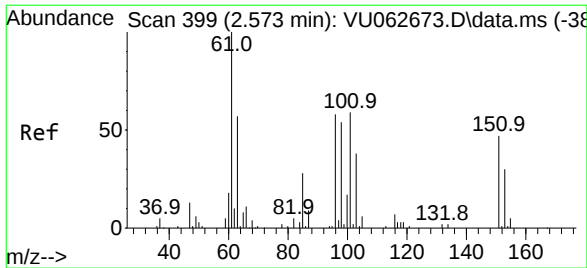
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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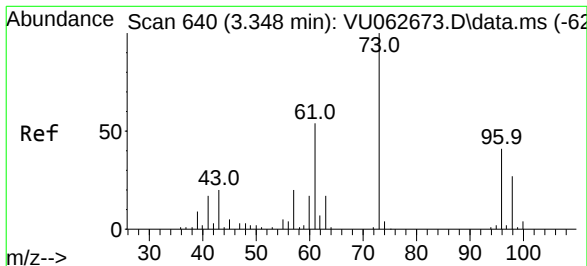
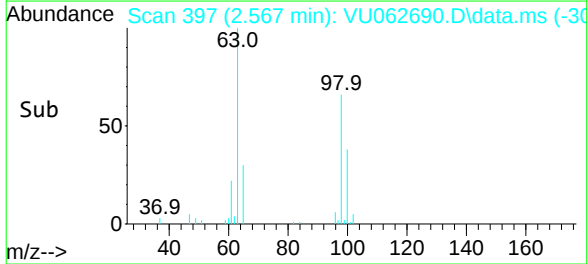
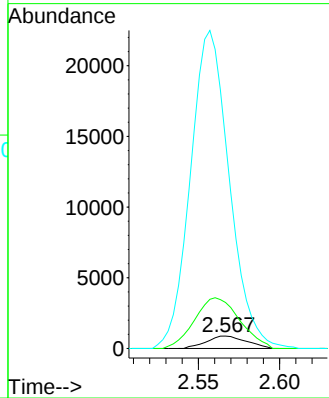
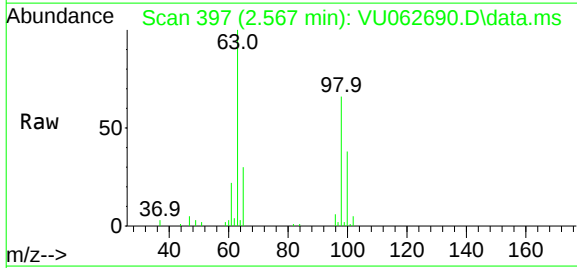




#12  
1,1-Dichloroethene  
Concen: 0.257 ug/L  
RT: 2.567 min Scan# 399  
Delta R.T. -0.006 min  
Lab File: VU062690.D  
Acq: 10 Jan 2025 17:41

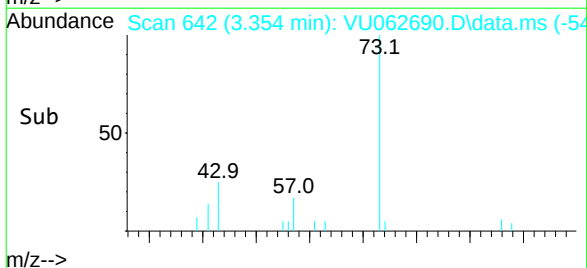
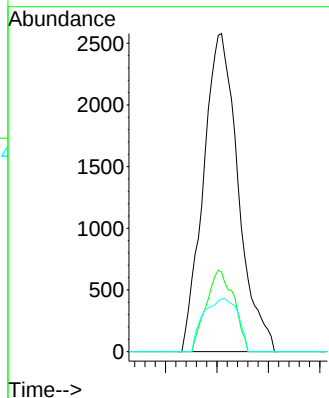
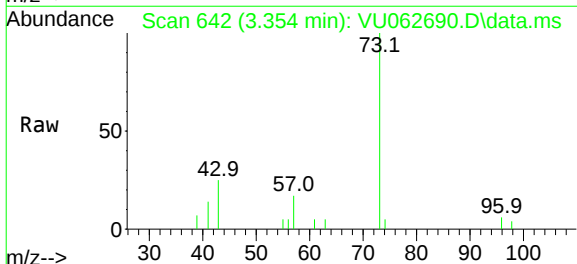
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ClientSampleId :  
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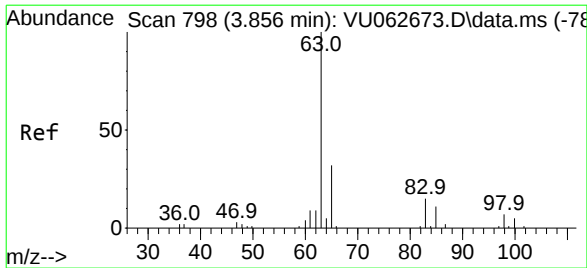
Tgt Ion: 96 Resp: 1507  
Ion Ratio Lower Upper  
96 100  
61 370.9 120.4 223.6#  
63 1676.9 82.3 152.9#



#17  
Methyl tert-butyl Ether  
Concen: 0.376 ug/L  
RT: 3.354 min Scan# 642  
Delta R.T. 0.007 min  
Lab File: VU062690.D  
Acq: 10 Jan 2025 17:41

Tgt Ion: 73 Resp: 6051  
Ion Ratio Lower Upper  
73 100  
43 20.4 16.2 24.4  
57 16.5 14.6 22.0

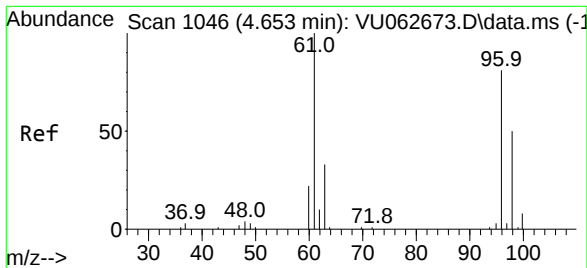
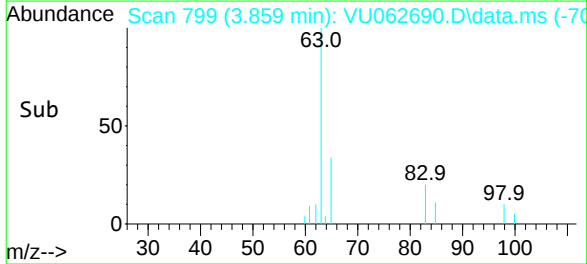
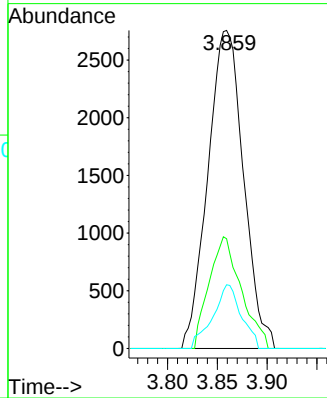
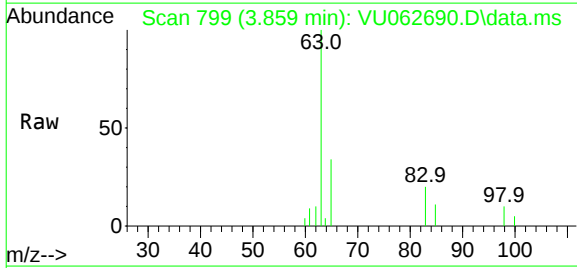




#19  
1,1-Dichloroethane  
Concen: 0.611 ug/L  
RT: 3.859 min Scan# 798  
Delta R.T. 0.003 min  
Lab File: VU062690.D  
Acq: 10 Jan 2025 17:41

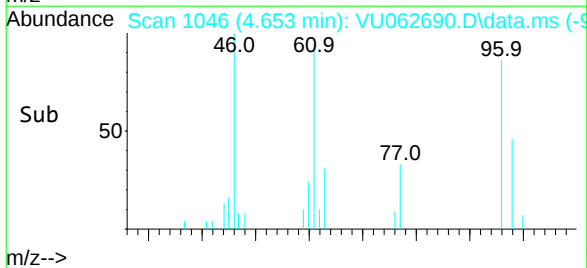
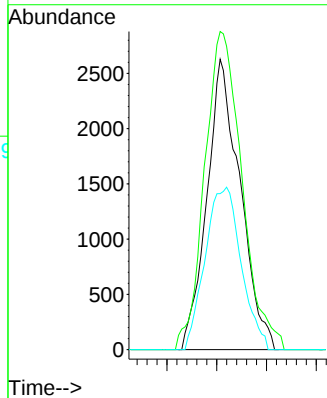
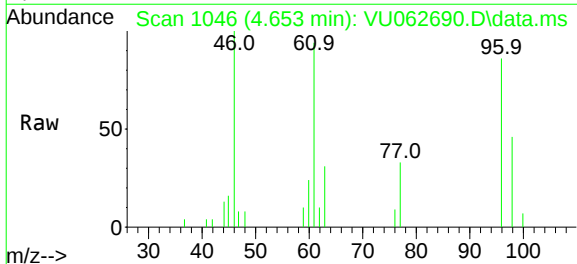
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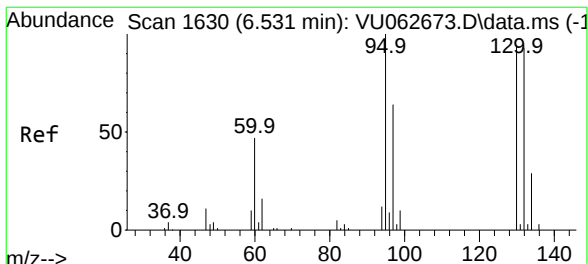
|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 63    | Resp: | 6857  |
| Ion      | Ratio | Lower | Upper |
| 63       | 100   |       |       |
| 65       | 33.0  | 20.7  | 38.5  |
| 83       | 19.2  | 10.5  | 19.5  |



#22  
cis-1,2-Dichloroethene  
Concen: 0.893 ug/L  
RT: 4.653 min Scan# 1046  
Delta R.T. 0.000 min  
Lab File: VU062690.D  
Acq: 10 Jan 2025 17:41

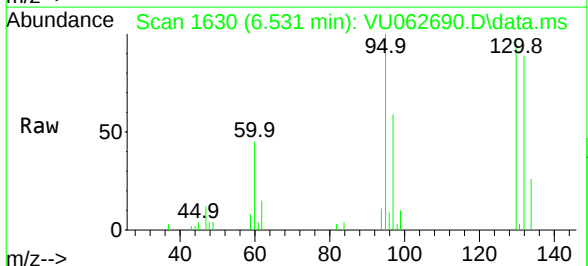
|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 96    | Resp: | 6108  |
| Ion      | Ratio | Lower | Upper |
| 96       | 100   |       |       |
| 61       | 109.6 | 84.8  | 157.6 |
| 98       | 53.7  | 43.1  | 80.1  |



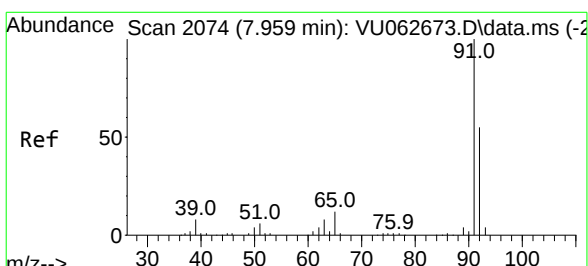
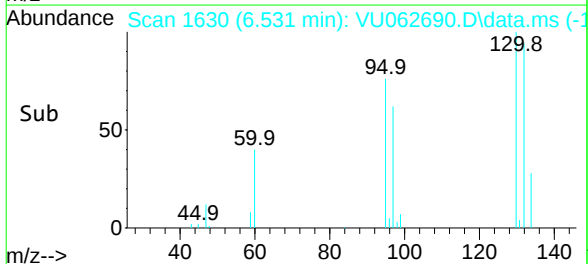
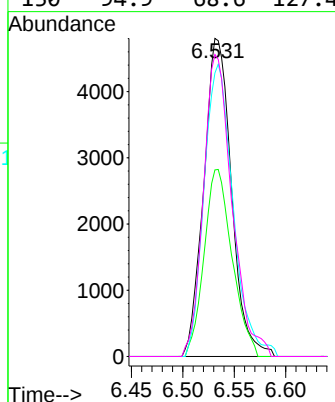


#34  
 Trichloroethene  
 Concen: 1.012 ug/L  
 RT: 6.531 min Scan# 16  
 Delta R.T. 0.000 min  
 Lab File: VU062690.D  
 Acq: 10 Jan 2025 17:41

Instrument :  
 MSVOA\_U  
 ClientSampleId :  
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|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 95    | Resp: | 8996  |
| Ion      | Ratio | Lower | Upper |
| 95       | 100   |       |       |
| 97       | 58.7  | 47.5  | 88.3  |
| 132      | 89.1  | 66.9  | 124.3 |
| 130      | 94.9  | 68.6  | 127.4 |



#42  
 Toluene  
 Concen: 0.205 ug/L  
 RT: 7.962 min Scan# 2075  
 Delta R.T. 0.003 min  
 Lab File: VU062690.D  
 Acq: 10 Jan 2025 17:41

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 91    | Resp: | 5861  |
| Ion      | Ratio | Lower | Upper |
| 91       | 100   |       |       |
| 92       | 59.8  | 40.4  | 75.0  |

