

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_U\Data\VU083123\  
 Data File : VU055030.D  
 Acq On : 31 Aug 2023 18:53  
 Operator : MD/SY  
 Sample : 04153-09  
 Misc : 25.0mL/MSVOA\_U/WATER  
 ALS Vial : 21 Sample Multiplier: 1

Instrument :  
 MSVOA\_U  
 ClientSampleId :  
 BH477

Quant Time: Sep 01 05:03:27 2023  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_U\Method\SFAMUTR082823WMA.M  
 Quant Title : TRACE VOA SFAM1.0  
 QLast Update : Fri Sep 01 04:57:47 2023  
 Response via : Initial Calibration

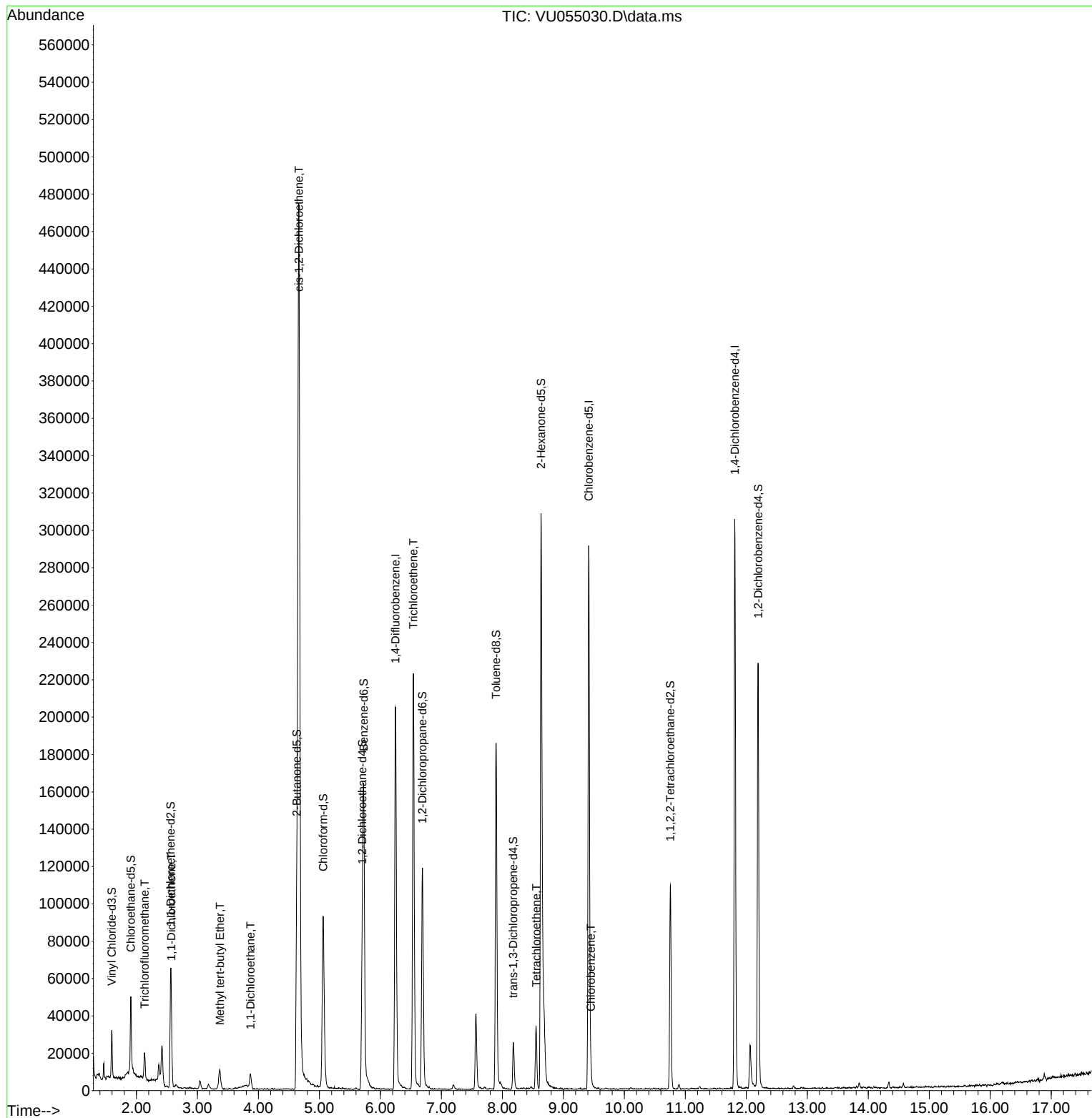
| Compound                      | R.T.   | QIon           | Response | Conc   | Units    | Dev(Min) |
|-------------------------------|--------|----------------|----------|--------|----------|----------|
| -----                         |        |                |          |        |          |          |
| Internal Standards            |        |                |          |        |          |          |
| 1) 1,4-Difluorobenzene        | 6.248  | 114            | 166284   | 5.000  | ug/L     | 0.00     |
| 28) Chlorobenzene-d5          | 9.415  | 117            | 159508   | 5.000  | ug/L     | 0.00     |
| 58) 1,4-Dichlorobenzene-d4    | 11.811 | 152            | 76844    | 5.000  | ug/L     | 0.00     |
|                               |        |                |          |        |          |          |
| System Monitoring Compounds   |        |                |          |        |          |          |
| 4) Vinyl Chloride-d3          | 1.596  | 65             | 17586    | 3.351  | ug/L     | 0.00     |
| Spiked Amount                 | 5.000  | Range 40 - 130 | Recovery | =      | 67.000%  |          |
| 7) Chloroethane-d5            | 1.908  | 69             | 27039    | 3.988  | ug/L     | 0.00     |
| Spiked Amount                 | 5.000  | Range 65 - 130 | Recovery | =      | 79.800%  |          |
| 11) 1,1-Dichloroethene-d2     | 2.560  | 65             | 10848    | 3.657  | ug/L     | 0.00     |
| Spiked Amount                 | 5.000  | Range 60 - 125 | Recovery | =      | 73.200%  |          |
| 20) 2-Butanone-d5             | 4.628  | 46             | 164850   | 58.190 | ug/L     | 0.00     |
| Spiked Amount                 | 50.000 | Range 40 - 130 | Recovery | =      | 116.380% |          |
| 24) Chloroform-d              | 5.062  | 84             | 82910    | 4.259  | ug/L     | 0.00     |
| Spiked Amount                 | 5.000  | Range 70 - 125 | Recovery | =      | 85.200%  |          |
| 26) 1,2-Dichloroethane-d4     | 5.702  | 65             | 48564    | 4.688  | ug/L     | 0.00     |
| Spiked Amount                 | 5.000  | Range 70 - 130 | Recovery | =      | 93.800%  |          |
| 32) Benzene-d6                | 5.727  | 84             | 149755   | 4.177  | ug/L     | 0.00     |
| Spiked Amount                 | 5.000  | Range 70 - 125 | Recovery | =      | 83.600%  |          |
| 36) 1,2-Dichloropropane-d6    | 6.689  | 67             | 57446    | 4.555  | ug/L     | 0.00     |
| Spiked Amount                 | 5.000  | Range 60 - 140 | Recovery | =      | 91.200%  |          |
| 41) Toluene-d8                | 7.898  | 98             | 125321   | 3.650  | ug/L     | 0.00     |
| Spiked Amount                 | 5.000  | Range 70 - 130 | Recovery | =      | 73.000%  |          |
| 43) trans-1,3-Dichloroprop... | 8.177  | 79             | 14356    | 3.459  | ug/L     | 0.00     |
| Spiked Amount                 | 5.000  | Range 55 - 130 | Recovery | =      | 69.200%  |          |
| 46) 2-Hexanone-d5             | 8.634  | 63             | 97500    | 49.499 | ug/L     | 0.00     |
| Spiked Amount                 | 50.000 | Range 45 - 130 | Recovery | =      | 99.000%  |          |
| 56) 1,1,2,2-Tetrachloroeth... | 10.753 | 84             | 52334    | 4.840  | ug/L     | 0.00     |
| Spiked Amount                 | 5.000  | Range 65 - 120 | Recovery | =      | 96.800%  |          |
| 66) 1,2-Dichlorobenzene-d4    | 12.193 | 152            | 57312    | 4.671  | ug/L     | 0.00     |
| Spiked Amount                 | 5.000  | Range 80 - 120 | Recovery | =      | 93.400%  |          |
|                               |        |                |          |        |          |          |
| Target Compounds              |        |                |          |        |          | Qvalue   |
| 9) Trichlorofluoromethane     | 2.133  | 101            | 7846     | 0.494  | ug/L     | 96       |
| 12) 1,1-Dichloroethene        | 2.573  | 96             | 4298     | 0.572  | ug/L #   | 1        |
| 17) Methyl tert-butyl Ether   | 3.367  | 73             | 10654    | 0.488  | ug/L #   | 94       |
| 19) 1,1-Dichloroethane        | 3.869  | 63             | 9002     | 0.523  | ug/L     | 90       |
| 22) cis-1,2-Dichloroethene    | 4.663  | 96             | 228137   | 23.321 | ug/L     | 95       |
| 34) Trichloroethene           | 6.541  | 95             | 75874    | 7.276  | ug/L     | 97       |
| 47) Tetrachloroethene         | 8.557  | 164            | 7220     | 0.964  | ug/L     | 98       |
| 51) Chlorobenzene             | 9.451  | 112            | 3698     | 0.136  | ug/L     | 94       |
| -----                         |        |                |          |        |          |          |

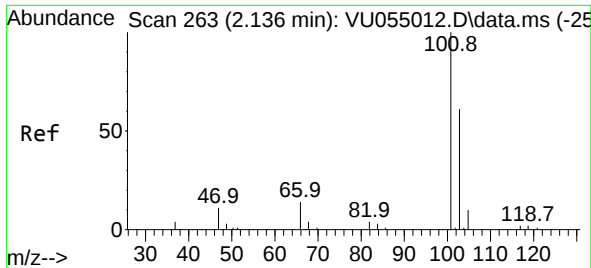
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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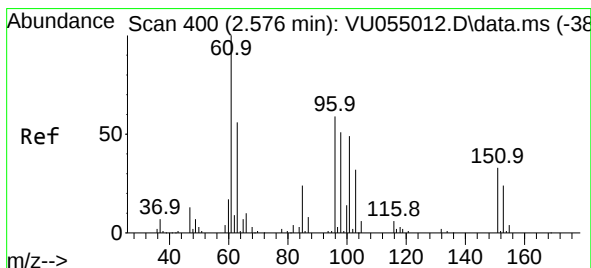
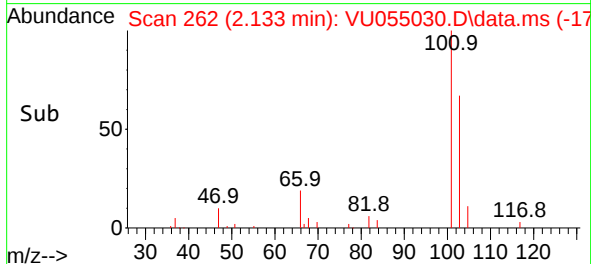
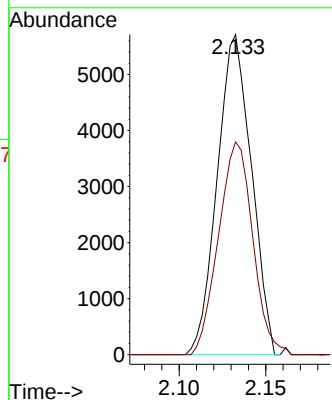
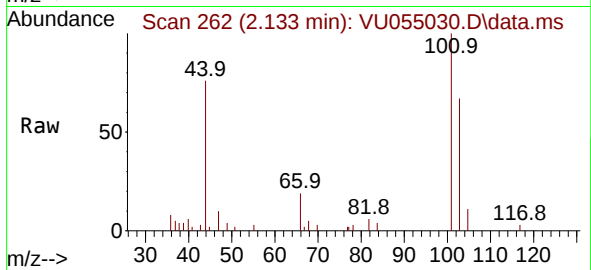




#9  
 Trichlorofluoromethane  
 Concen: 0.494 ug/L  
 RT: 2.133 min Scan# 201  
 Delta R.T. -0.003 min  
 Lab File: VU055030.D  
 Acq: 31 Aug 2023 18:53

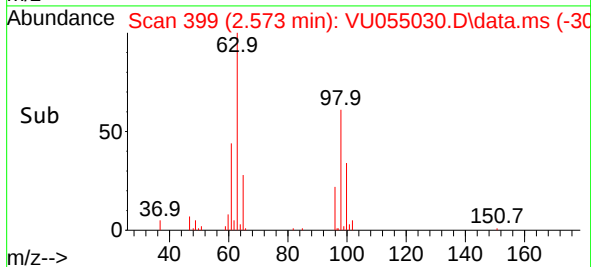
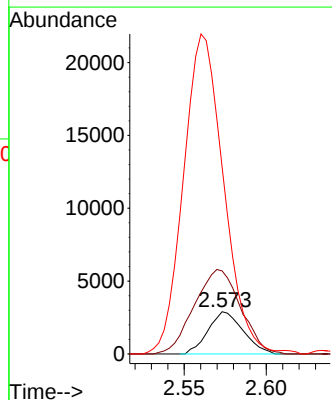
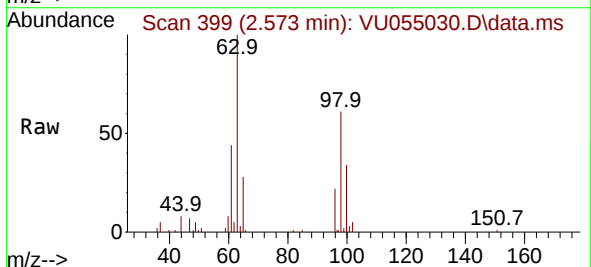
Instrument :  
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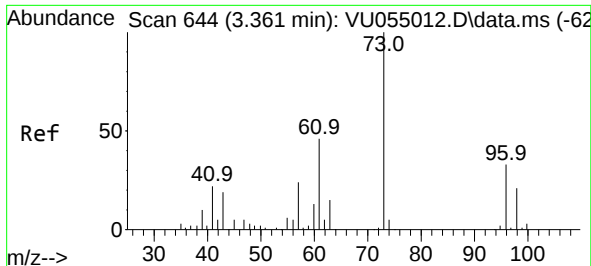
Tgt Ion:101 Resp: 7846  
 Ion Ratio Lower Upper  
 101 100  
 103 66.6 51.0 76.4



#12  
 1,1-Dichloroethene  
 Concen: 0.572 ug/L  
 RT: 2.573 min Scan# 399  
 Delta R.T. -0.003 min  
 Lab File: VU055030.D  
 Acq: 31 Aug 2023 18:53

Tgt Ion: 96 Resp: 4298  
 Ion Ratio Lower Upper  
 96 100  
 61 196.6 132.4 245.8  
 63 442.7 82.5 153.1#

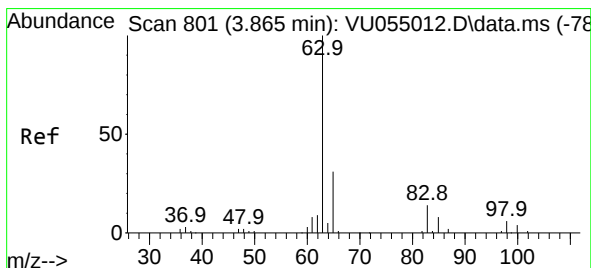
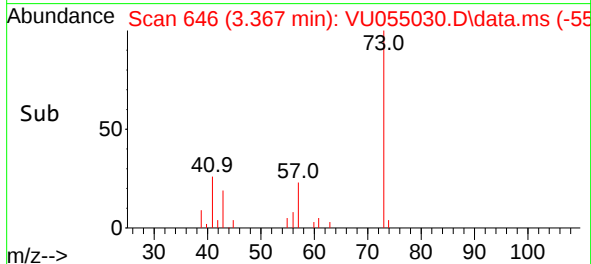
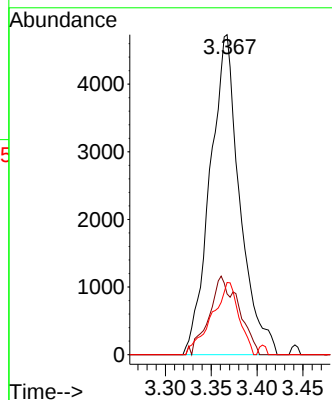
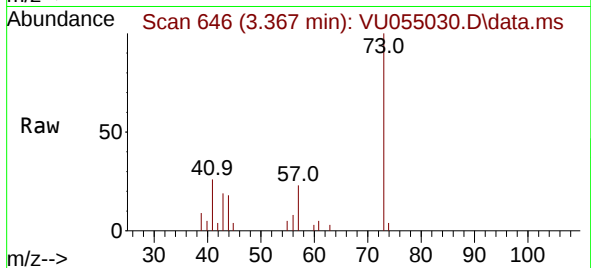




#17  
Methyl tert-butyl Ether  
Concen: 0.488 ug/L  
RT: 3.367 min Scan# 644  
Delta R.T. 0.007 min  
Lab File: VU055030.D  
Acq: 31 Aug 2023 18:53

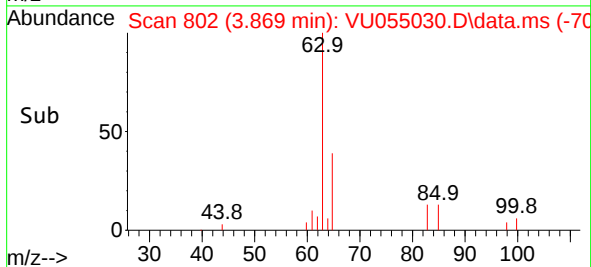
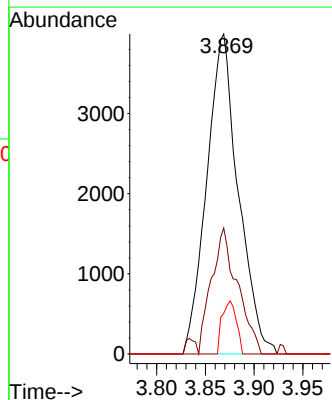
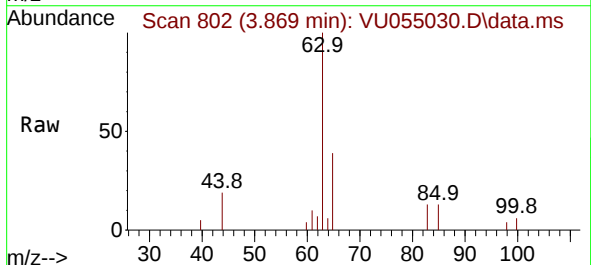
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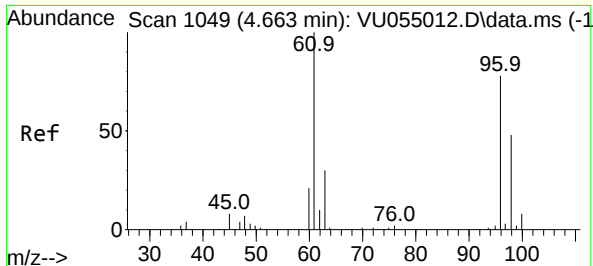
Tgt Ion: 73 Resp: 10654  
Ion Ratio Lower Upper  
73 100  
43 24.5 16.2 24.2#  
57 20.7 17.4 26.0



#19  
1,1-Dichloroethane  
Concen: 0.523 ug/L  
RT: 3.869 min Scan# 802  
Delta R.T. 0.003 min  
Lab File: VU055030.D  
Acq: 31 Aug 2023 18:53

Tgt Ion: 63 Resp: 9002  
Ion Ratio Lower Upper  
63 100  
65 39.4 22.5 41.7  
83 12.7 9.5 17.7

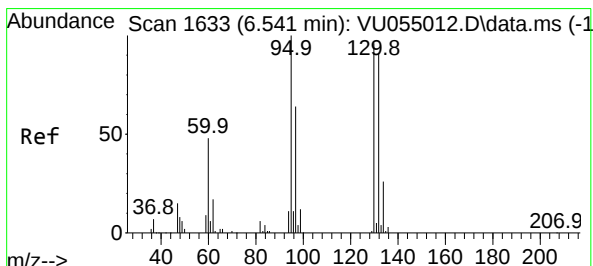
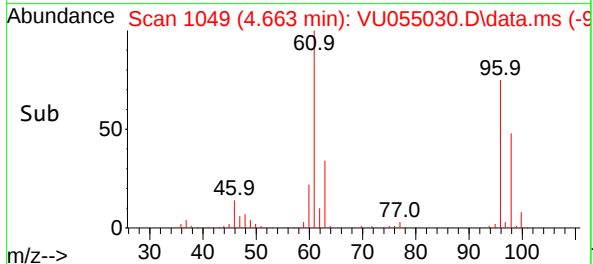
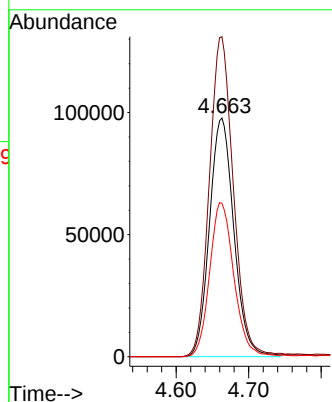
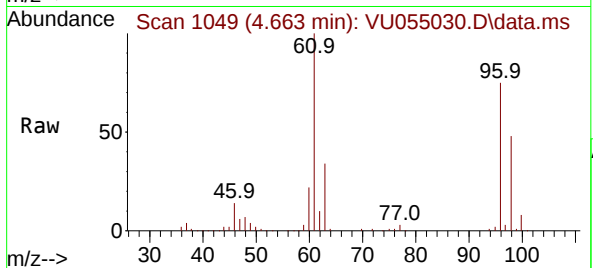




#22  
 cis-1,2-Dichloroethene  
 Concen: 23.321 ug/L  
 RT: 4.663 min Scan# 1049  
 Delta R.T. 0.000 min  
 Lab File: VU055030.D  
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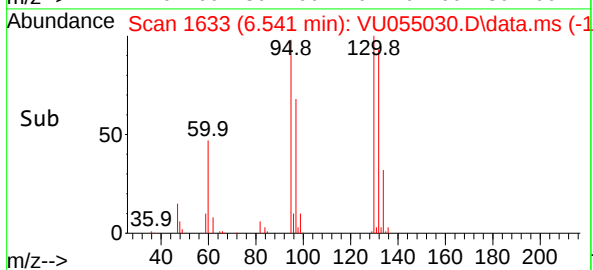
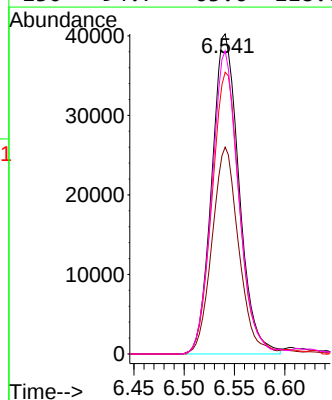
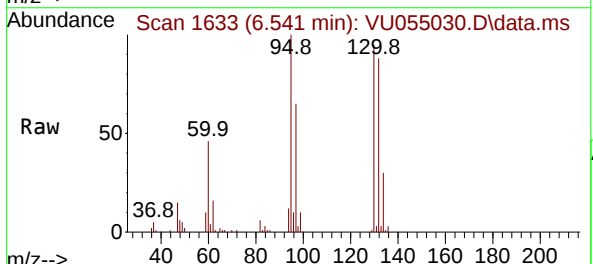
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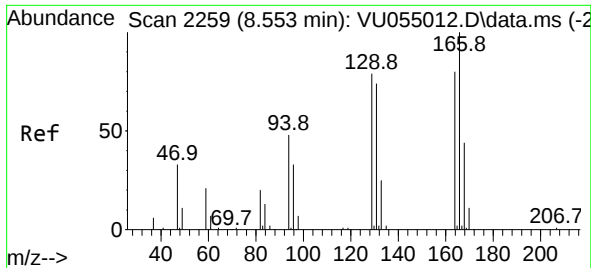
Tgt Ion: 96 Resp: 228137  
 Ion Ratio Lower Upper  
 96 100  
 61 134.1 88.4 164.2  
 98 64.2 44.0 81.6



#34  
 Trichloroethene  
 Concen: 7.276 ug/L  
 RT: 6.541 min Scan# 1633  
 Delta R.T. 0.000 min  
 Lab File: VU055030.D  
 Acq: 31 Aug 2023 18:53

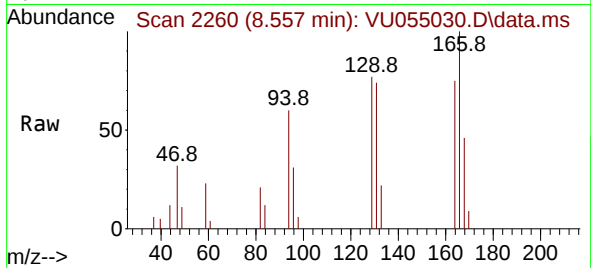
Tgt Ion: 95 Resp: 75874  
 Ion Ratio Lower Upper  
 95 100  
 97 64.7 44.1 81.9  
 132 88.1 63.6 118.2  
 130 94.7 63.6 118.0



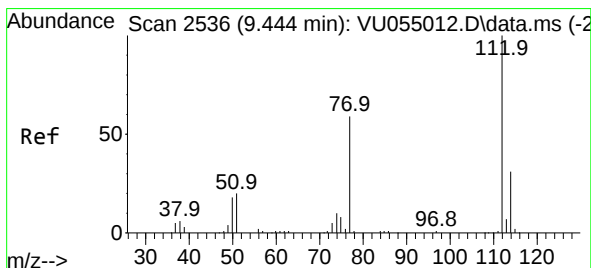
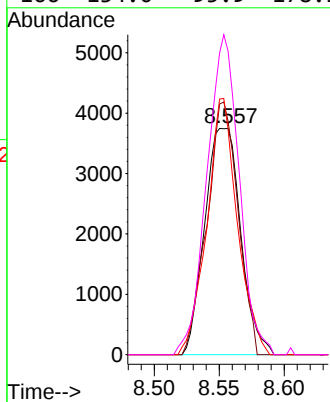
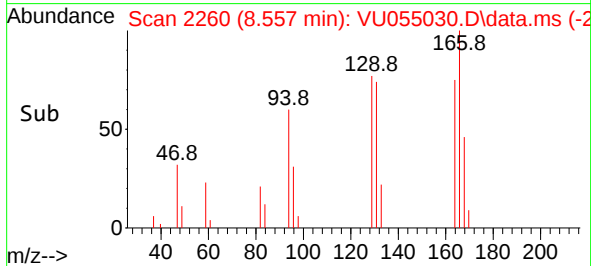


#47  
Tetrachloroethene  
Concen: 0.964 ug/L  
RT: 8.557 min Scan# 21  
Delta R.T. 0.003 min  
Lab File: VU055030.D  
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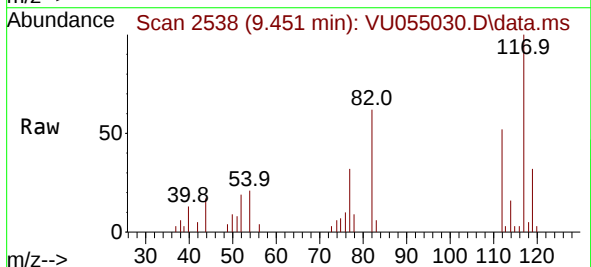
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|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 164   | Resp: | 7220  |
| Ion      | Ratio | Lower | Upper |
| 164      | 100   |       |       |
| 129      | 103.1 | 72.8  | 135.2 |
| 131      | 99.4  | 70.7  | 131.3 |
| 166      | 134.0 | 95.9  | 178.1 |



#51  
Chlorobenzene  
Concen: 0.136 ug/L  
RT: 9.451 min Scan# 2538  
Delta R.T. 0.007 min  
Lab File: VU055030.D  
Acq: 31 Aug 2023 18:53



|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 112   | Resp: | 3698  |
| Ion      | Ratio | Lower | Upper |
| 112      | 100   |       |       |
| 114      | 28.8  | 23.4  | 43.4  |
| 77       | 58.4  | 49.3  | 73.9  |

