

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_U\Data\VU111023\  
 Data File : VU056184.D  
 Acq On : 10 Nov 2023 20:59  
 Operator : MD/SY  
 Sample : 05340-12  
 Misc : 25.0mL/MSVOA\_U/WATER  
 ALS Vial : 26 Sample Multiplier: 1

Instrument :  
 MSVOA\_U  
 ClientSampleId :  
 GCDL7

Quant Time: Nov 11 01:42:39 2023  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_U\Method\SFAMUTR110723WMA.M  
 Quant Title : TRACE VOA SFAM1.0  
 QLast Update : Sat Nov 11 00:40:59 2023  
 Response via : Initial Calibration

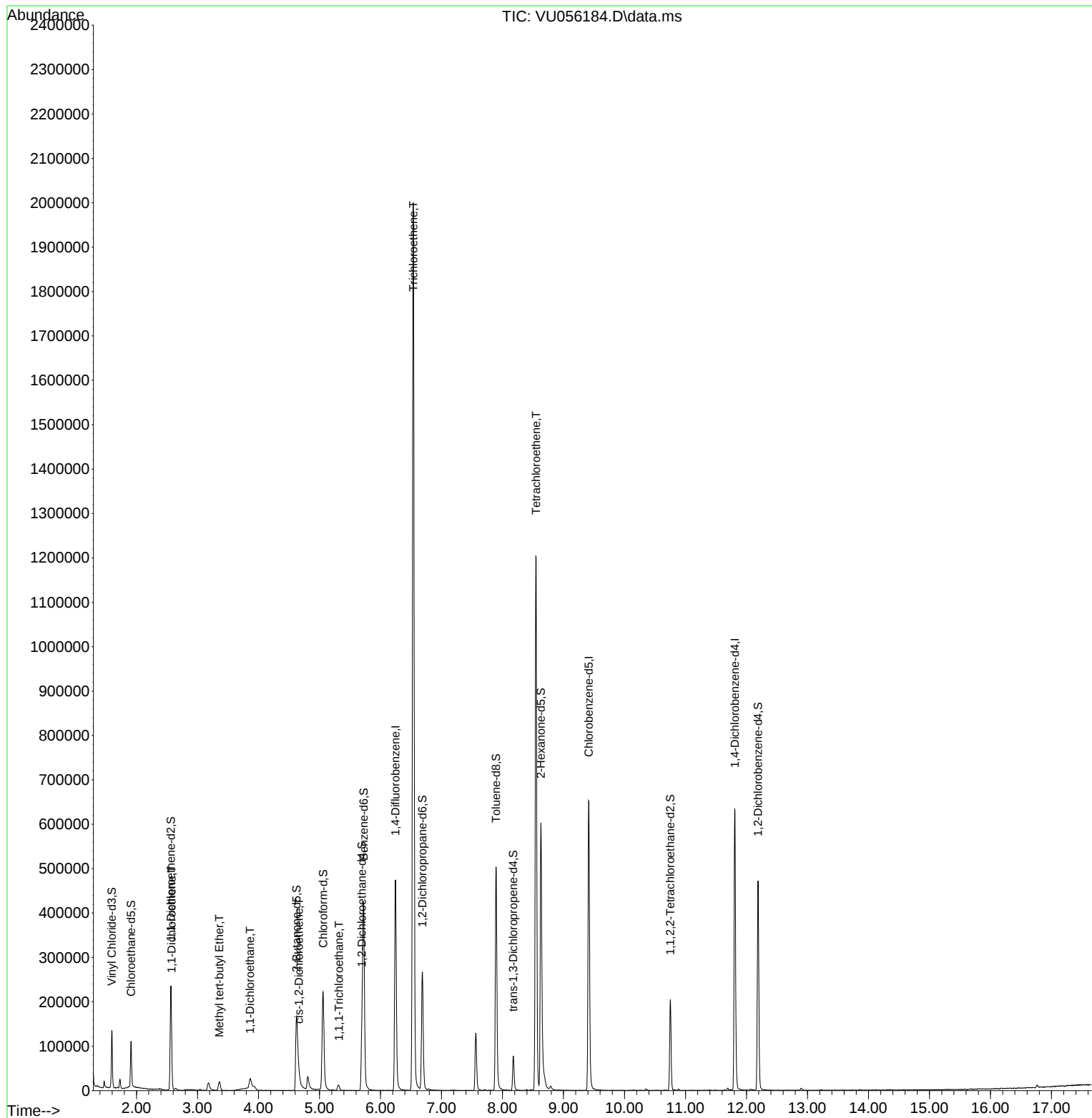
| Compound                      | R.T.   | QIon           | Response | Conc   | Units    | Dev(Min) |
|-------------------------------|--------|----------------|----------|--------|----------|----------|
| -----                         |        |                |          |        |          |          |
| Internal Standards            |        |                |          |        |          |          |
| 1) 1,4-Difluorobenzene        | 6.245  | 114            | 405687   | 5.000  | ug/L     | 0.00     |
| 28) Chlorobenzene-d5          | 9.415  | 117            | 397751   | 5.000  | ug/L     | 0.00     |
| 58) 1,4-Dichlorobenzene-d4    | 11.810 | 152            | 179492   | 5.000  | ug/L     | 0.00     |
| System Monitoring Compounds   |        |                |          |        |          |          |
| 4) Vinyl Chloride-d3          | 1.595  | 65             | 92482    | 3.673  | ug/L     | 0.00     |
| Spiked Amount                 | 5.000  | Range 40 - 130 | Recovery | =      | 73.400%  |          |
| 7) Chloroethane-d5            | 1.910  | 69             | 75995    | 4.447  | ug/L     | 0.00     |
| Spiked Amount                 | 5.000  | Range 65 - 130 | Recovery | =      | 89.000%  |          |
| 11) 1,1-Dichloroethene-d2     | 2.563  | 65             | 43804    | 3.948  | ug/L     | 0.00     |
| Spiked Amount                 | 5.000  | Range 60 - 125 | Recovery | =      | 79.000%  |          |
| 20) 2-Butanone-d5             | 4.624  | 46             | 258132   | 62.485 | ug/L     | 0.00     |
| Spiked Amount                 | 50.000 | Range 40 - 130 | Recovery | =      | 124.980% |          |
| 24) Chloroform-d              | 5.058  | 84             | 213562   | 4.455  | ug/L     | 0.00     |
| Spiked Amount                 | 5.000  | Range 70 - 125 | Recovery | =      | 89.200%  |          |
| 26) 1,2-Dichloroethane-d4     | 5.695  | 65             | 103454   | 4.902  | ug/L     | 0.00     |
| Spiked Amount                 | 5.000  | Range 70 - 130 | Recovery | =      | 98.000%  |          |
| 32) Benzene-d6                | 5.724  | 84             | 427006   | 4.470  | ug/L     | 0.00     |
| Spiked Amount                 | 5.000  | Range 70 - 125 | Recovery | =      | 89.400%  |          |
| 36) 1,2-Dichloropropane-d6    | 6.685  | 67             | 135712   | 4.826  | ug/L     | 0.00     |
| Spiked Amount                 | 5.000  | Range 60 - 140 | Recovery | =      | 96.600%  |          |
| 41) Toluene-d8                | 7.894  | 98             | 358570   | 4.096  | ug/L     | 0.00     |
| Spiked Amount                 | 5.000  | Range 70 - 130 | Recovery | =      | 82.000%  |          |
| 43) trans-1,3-Dichloroprop... | 8.177  | 79             | 47545    | 4.423  | ug/L     | 0.00     |
| Spiked Amount                 | 5.000  | Range 55 - 130 | Recovery | =      | 88.400%  |          |
| 46) 2-Hexanone-d5             | 8.630  | 63             | 218506   | 62.021 | ug/L     | 0.00     |
| Spiked Amount                 | 50.000 | Range 45 - 130 | Recovery | =      | 124.040% |          |
| 56) 1,1,2,2-Tetrachloroeth... | 10.753 | 84             | 105160   | 5.240  | ug/L     | 0.00     |
| Spiked Amount                 | 5.000  | Range 65 - 120 | Recovery | =      | 104.800% |          |
| 66) 1,2-Dichlorobenzene-d4    | 12.190 | 152            | 133339   | 4.817  | ug/L     | 0.00     |
| Spiked Amount                 | 5.000  | Range 80 - 120 | Recovery | =      | 96.400%  |          |
| Target Compounds              |        |                |          |        |          |          |
|                               |        |                |          |        | Qvalue   |          |
| 12) 1,1-Dichloroethene        | 2.573  | 96             | 6345     | 0.243  | ug/L #   | 1        |
| 17) Methyl tert-butyl Ether   | 3.357  | 73             | 22200    | 0.378  | ug/L     | 97       |
| 19) 1,1-Dichloroethane        | 3.862  | 63             | 23730    | 0.471  | ug/L #   | 87       |
| 22) cis-1,2-Dichloroethene    | 4.663  | 96             | 3714     | 0.125  | ug/L     | 97       |
| 29) 1,1,1-Trichloroethane     | 5.319  | 97             | 9596     | 0.211  | ug/L     | 96       |
| 34) Trichloroethene           | 6.537  | 95             | 724723   | 23.296 | ug/L     | 96       |
| 47) Tetrachloroethene         | 8.550  | 164            | 276658   | 11.849 | ug/L     | 97       |
| -----                         |        |                |          |        |          |          |

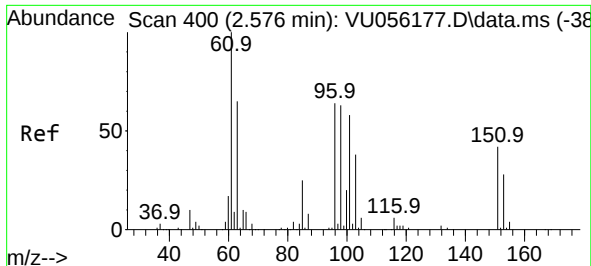
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Sat Nov 11 00:40:59 2023  
Response via : Initial Calibration





#12

1,1-Dichloroethene

Concen: 0.243 ug/L

RT: 2.573 min Scan# 399

Delta R.T. -0.003 min

Lab File: VU056184.D

Acq: 10 Nov 2023 20:59

Instrument :

MSVOA\_U

ClientSampleId :

GCDL7

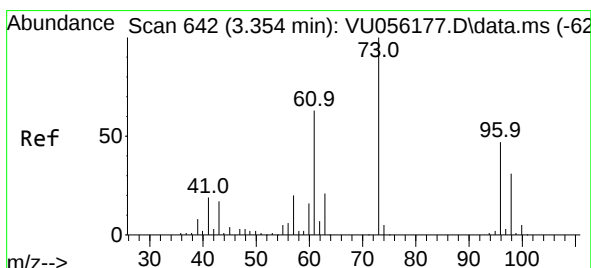
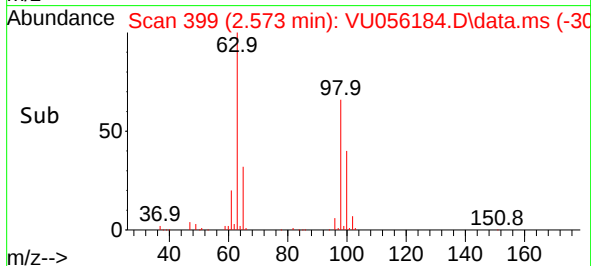
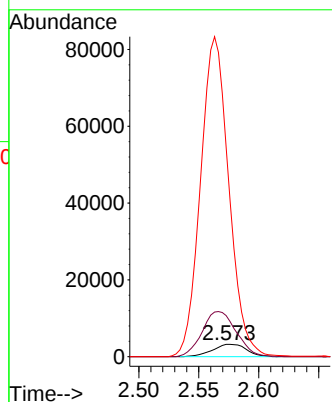
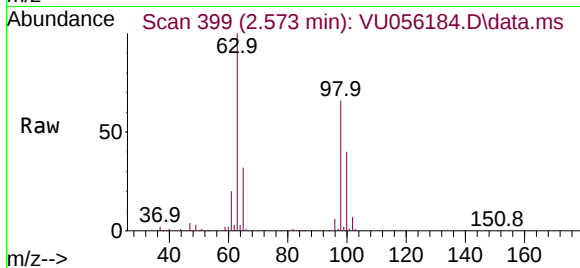
Tgt Ion: 96 Resp: 6345

Ion Ratio Lower Upper

96 100

61 334.6 111.7 207.5#

63 1707.0 74.5 138.3#



#17

Methyl tert-butyl Ether

Concen: 0.378 ug/L

RT: 3.357 min Scan# 643

Delta R.T. 0.003 min

Lab File: VU056184.D

Acq: 10 Nov 2023 20:59

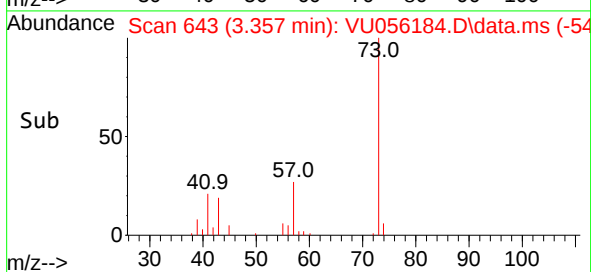
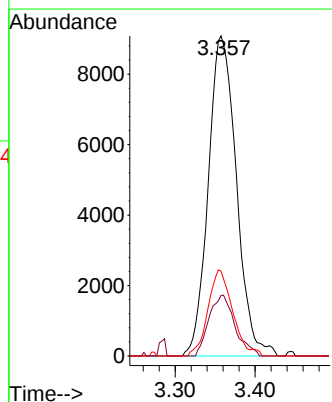
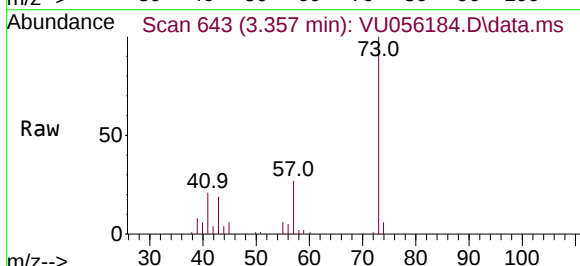
Tgt Ion: 73 Resp: 22200

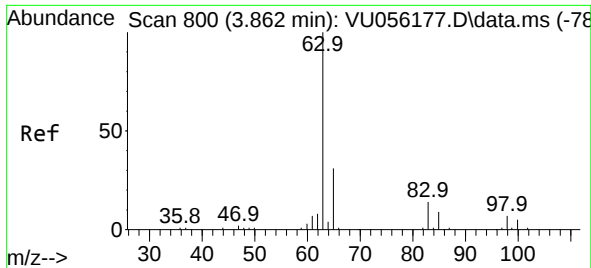
Ion Ratio Lower Upper

73 100

43 17.5 13.6 20.4

57 23.5 17.3 25.9





#19

1,1-Dichloroethane

Concen: 0.471 ug/L

RT: 3.862 min Scan# 800

Delta R.T. -0.000 min

Lab File: VU056184.D

Acq: 10 Nov 2023 20:59

Instrument :

MSVOA\_U

ClientSampleId :

GCDL7

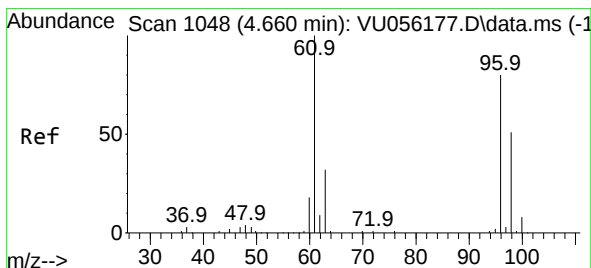
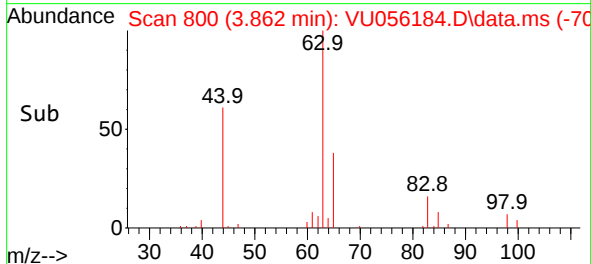
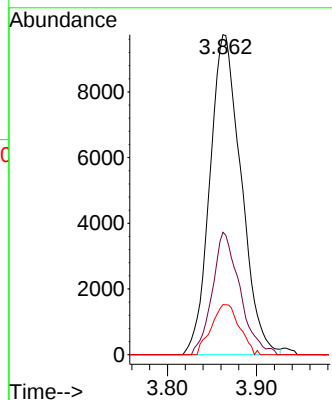
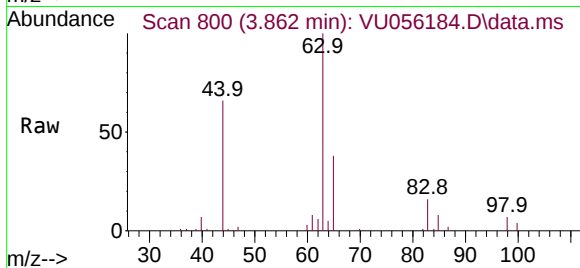
Tgt Ion: 63 Resp: 23730

Ion Ratio Lower Upper

63 100

65 38.3 20.6 38.2#

83 15.6 9.6 17.8



#22

cis-1,2-Dichloroethene

Concen: 0.125 ug/L

RT: 4.663 min Scan# 1049

Delta R.T. 0.003 min

Lab File: VU056184.D

Acq: 10 Nov 2023 20:59

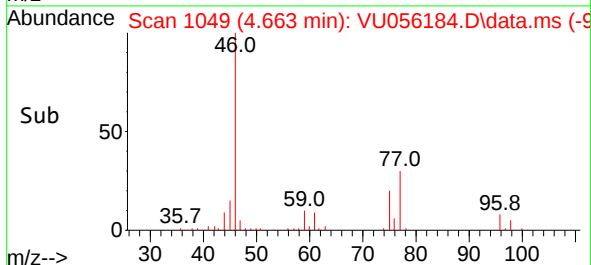
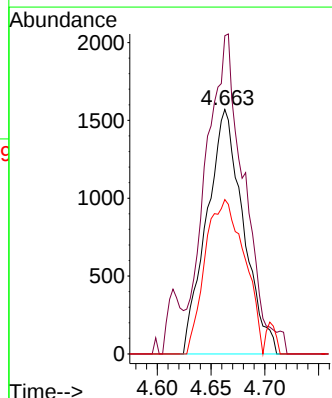
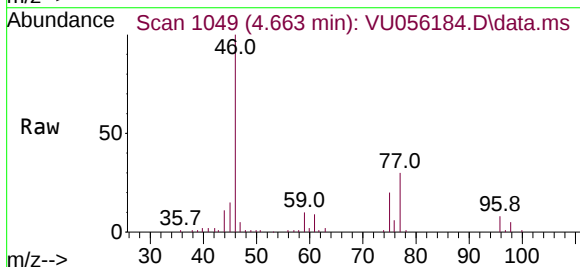
Tgt Ion: 96 Resp: 3714

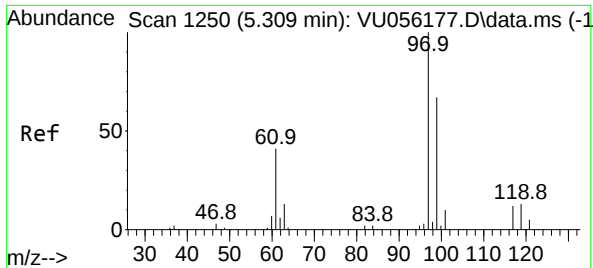
Ion Ratio Lower Upper

96 100

61 130.2 87.8 163.2

98 63.1 43.5 80.7

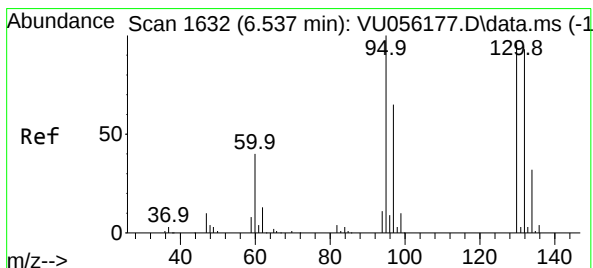
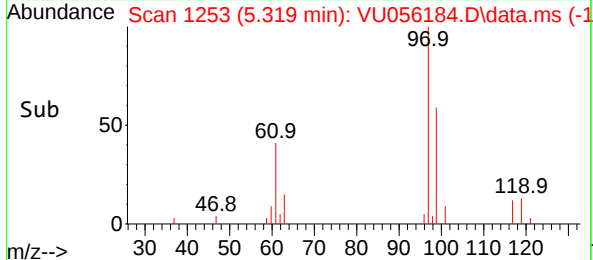
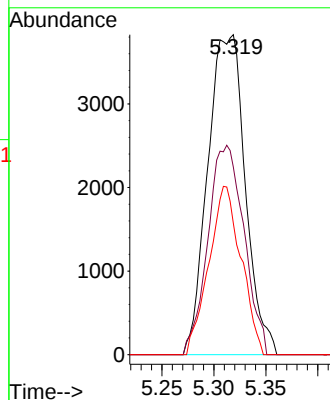
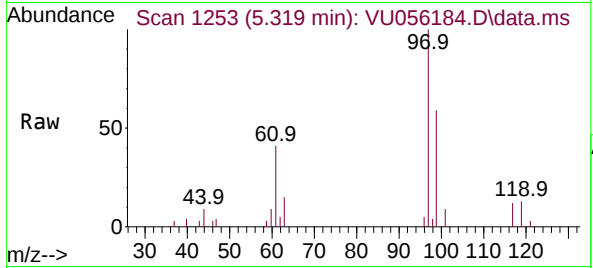




#29  
1,1,1-Trichloroethane  
Concen: 0.211 ug/L  
RT: 5.319 min Scan# 11  
Delta R.T. 0.010 min  
Lab File: VU056184.D  
Acq: 10 Nov 2023 20:59

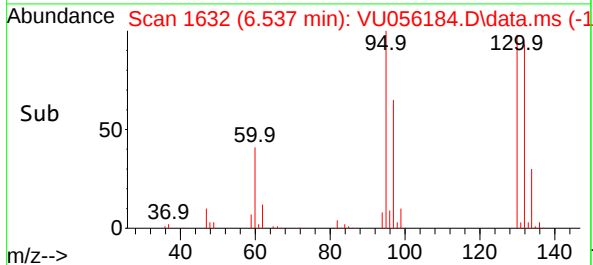
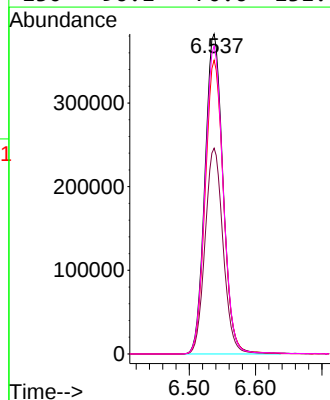
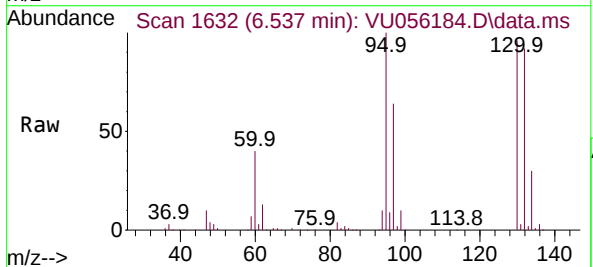
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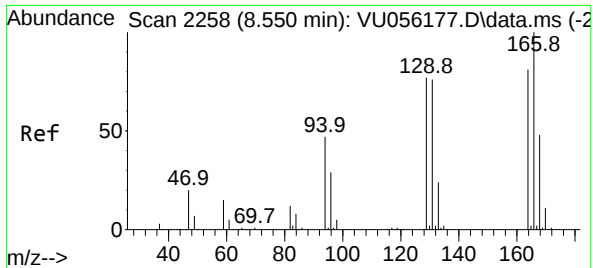
|             |             |
|-------------|-------------|
| Tgt Ion: 97 | Resp: 9596  |
| Ion Ratio   | Lower Upper |
| 97 100      |             |
| 99 63.0     | 52.0 78.0   |
| 61 45.3     | 33.4 50.0   |



#34  
Trichloroethene  
Concen: 23.296 ug/L  
RT: 6.537 min Scan# 1632  
Delta R.T. -0.000 min  
Lab File: VU056184.D  
Acq: 10 Nov 2023 20:59

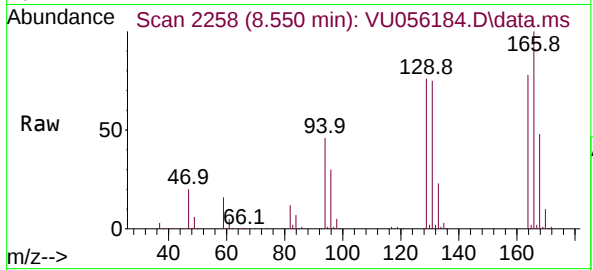
|             |              |
|-------------|--------------|
| Tgt Ion: 95 | Resp: 724723 |
| Ion Ratio   | Lower Upper  |
| 95 100      |              |
| 97 64.3     | 46.8 87.0    |
| 132 91.8    | 66.5 123.5   |
| 130 96.1    | 70.6 131.0   |





#47  
 Tetrachloroethene  
 Concen: 11.849 ug/L  
 RT: 8.550 min Scan# 21  
 Delta R.T. -0.000 min  
 Lab File: VU056184.D  
 Acq: 10 Nov 2023 20:59

Instrument :  
 MSVOA\_U  
 ClientSampleId :  
 GCDL7



Tgt Ion:164 Resp: 276658

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 164 | 100   |       |       |
| 129 | 97.4  | 66.6  | 123.8 |
| 131 | 96.1  | 67.8  | 126.0 |
| 166 | 128.8 | 85.9  | 159.5 |

