

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_U\Data\VU111422\  
 Data File : VU051852.D  
 Acq On : 14 Nov 2022 22:34  
 Operator : JC/MD  
 Sample : N5592-12  
 Misc : 25.0mL/MSVOA\_U/WATER  
 ALS Vial : 25 Sample Multiplier: 1

Instrument :  
 MSVOA\_U  
 ClientSampleId :  
 H0AB7

Quant Time: Nov 15 03:07:35 2022  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_U\Method\SFAMUTR102822WMA.M  
 Quant Title : TRACE VOA SFAM1.0  
 QLast Update : Tue Nov 15 03:00:15 2022  
 Response via : Initial Calibration

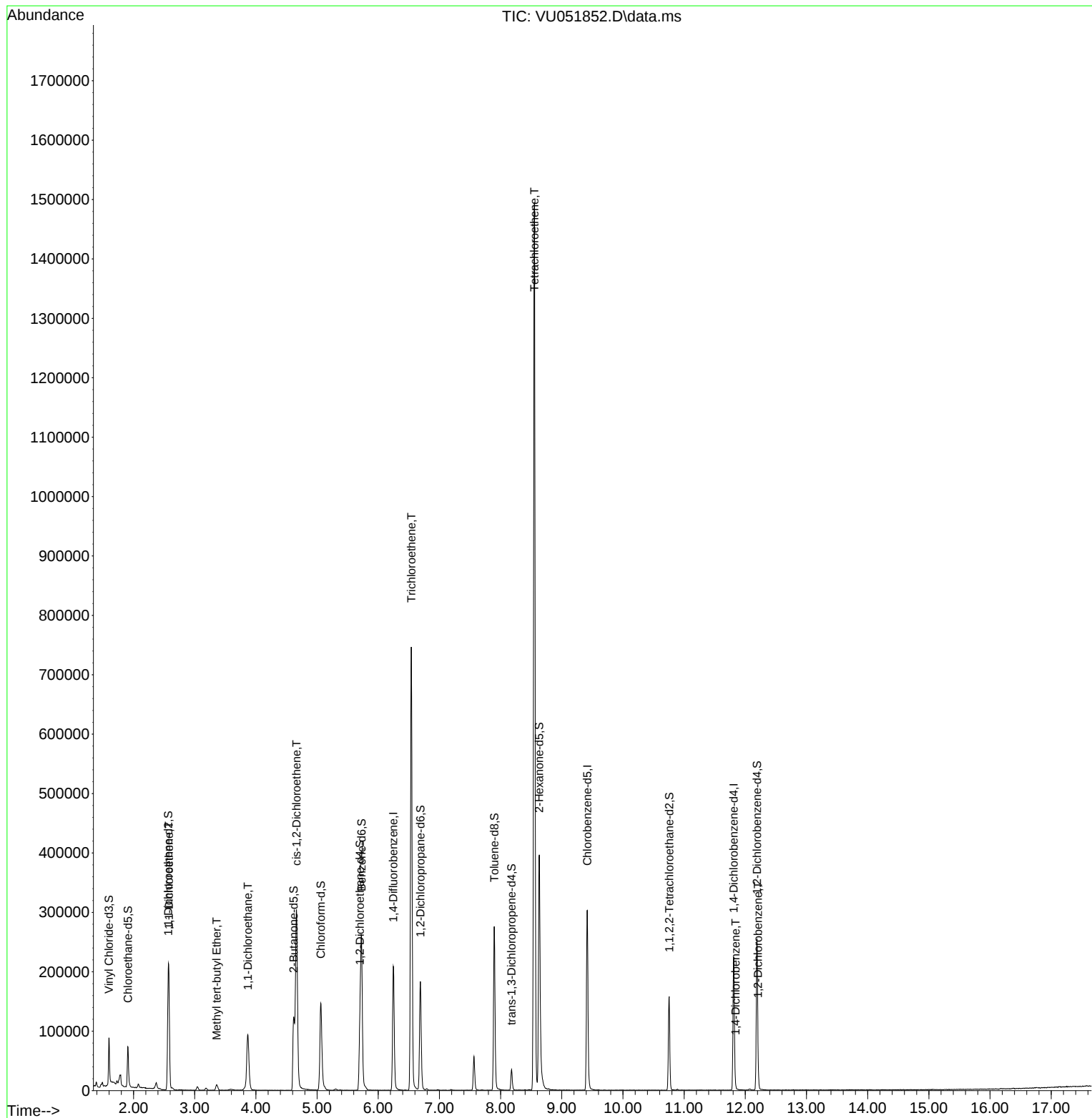
| Compound                      | R.T.   | QIon           | Response | Conc   | Units     | Dev(Min) |
|-------------------------------|--------|----------------|----------|--------|-----------|----------|
| -----                         |        |                |          |        |           |          |
| Internal Standards            |        |                |          |        |           |          |
| 1) 1,4-Difluorobenzene        | 6.247  | 114            | 173576   | 5.000  | ug/L      | 0.00     |
| 28) Chlorobenzene-d5          | 9.417  | 117            | 180340   | 5.000  | ug/L      | 0.00     |
| 58) 1,4-Dichlorobenzene-d4    | 11.809 | 152            | 62839    | 5.000  | ug/L      | 0.00     |
|                               |        |                |          |        |           |          |
| System Monitoring Compounds   |        |                |          |        |           |          |
| 4) Vinyl Chloride-d3          | 1.597  | 65             | 53349    | 4.081  | ug/L      | 0.00     |
| Spiked Amount                 | 5.000  | Range 40 - 130 | Recovery | =      | 81.600%   |          |
| 7) Chloroethane-d5            | 1.909  | 69             | 55828    | 4.095  | ug/L      | 0.00     |
| Spiked Amount                 | 5.000  | Range 65 - 130 | Recovery | =      | 81.800%   |          |
| 11) 1,1-Dichloroethene-d2     | 2.565  | 65             | 21966    | 4.630  | ug/L      | 0.00     |
| Spiked Amount                 | 5.000  | Range 60 - 125 | Recovery | =      | 92.600%   |          |
| 20) 2-Butanone-d5             | 4.617  | 46             | 175716   | 37.114 | ug/L      | 0.00     |
| Spiked Amount                 | 50.000 | Range 40 - 130 | Recovery | =      | 74.220%   |          |
| 24) Chloroform-d              | 5.060  | 84             | 134377   | 4.393  | ug/L      | 0.00     |
| Spiked Amount                 | 5.000  | Range 70 - 125 | Recovery | =      | 87.800%   |          |
| 26) 1,2-Dichloroethane-d4     | 5.700  | 65             | 71254    | 4.312  | ug/L      | 0.00     |
| Spiked Amount                 | 5.000  | Range 70 - 130 | Recovery | =      | 86.200%   |          |
| 32) Benzene-d6                | 5.726  | 84             | 259727   | 4.564  | ug/L      | 0.00     |
| Spiked Amount                 | 5.000  | Range 70 - 125 | Recovery | =      | 91.200%   |          |
| 36) 1,2-Dichloropropane-d6    | 6.687  | 67             | 90905    | 4.568  | ug/L      | 0.00     |
| Spiked Amount                 | 5.000  | Range 60 - 140 | Recovery | =      | 91.400%   |          |
| 41) Toluene-d8                | 7.896  | 98             | 191559   | 4.280  | ug/L      | 0.00     |
| Spiked Amount                 | 5.000  | Range 70 - 130 | Recovery | =      | 85.600%   |          |
| 43) trans-1,3-Dichloroprop... | 8.179  | 79             | 20206    | 3.321  | ug/L      | 0.00     |
| Spiked Amount                 | 5.000  | Range 55 - 130 | Recovery | =      | 66.400%   |          |
| 46) 2-Hexanone-d5             | 8.629  | 63             | 129659   | 35.398 | ug/L      | 0.00     |
| Spiked Amount                 | 50.000 | Range 45 - 130 | Recovery | =      | 70.800%   |          |
| 56) 1,1,2,2-Tetrachloroeth... | 10.755 | 84             | 80029    | 4.388  | ug/L      | 0.00     |
| Spiked Amount                 | 5.000  | Range 65 - 120 | Recovery | =      | 87.800%   |          |
| 66) 1,2-Dichlorobenzene-d4    | 12.192 | 152            | 69755    | 6.048  | ug/L      | 0.00     |
| Spiked Amount                 | 5.000  | Range 80 - 120 | Recovery | =      | 121.000%# |          |
|                               |        |                |          |        |           |          |
| Target Compounds              |        |                |          |        |           |          |
| 12) 1,1-Dichloroethene        | 2.578  | 96             | 49083    | 3.253  | ug/L #    | 81       |
| 17) Methyl tert-butyl Ether   | 3.359  | 73             | 8837     | 0.255  | ug/L      | 95       |
| 19) 1,1-Dichloroethane        | 3.867  | 63             | 100116   | 3.352  | ug/L      | 98       |
| 22) cis-1,2-Dichloroethene    | 4.665  | 96             | 160854   | 8.977  | ug/L      | 99       |
| 34) Trichloroethene           | 6.539  | 95             | 263420   | 15.338 | ug/L      | 97       |
| 47) Tetrachloroethene         | 8.552  | 164            | 346862   | 26.370 | ug/L      | 94       |
| 65) 1,4-Dichlorobenzene       | 11.838 | 146            | 2507     | 0.109  | ug/L      | 94       |
| 67) 1,2-Dichlorobenzene       | 12.208 | 146            | 3689     | 0.166  | ug/L #    | 88       |
| -----                         |        |                |          |        |           |          |

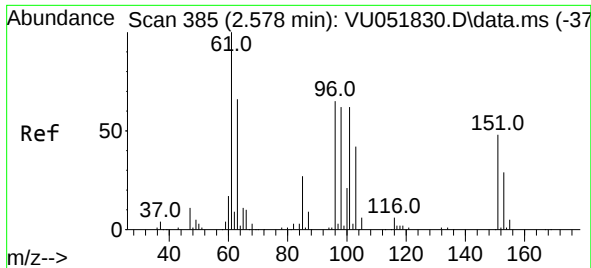
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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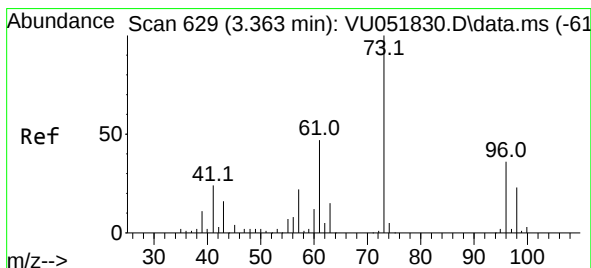
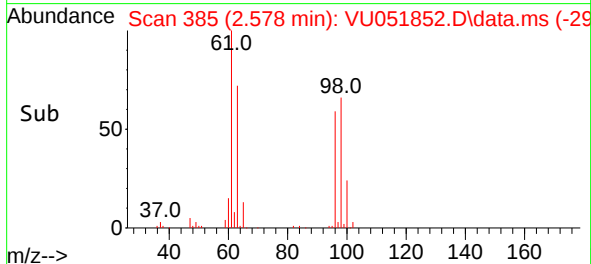
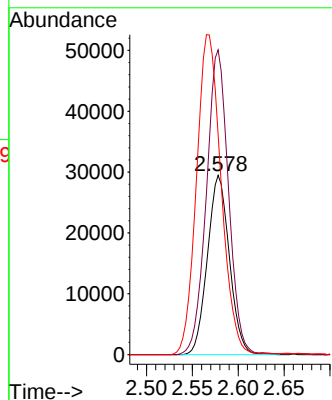
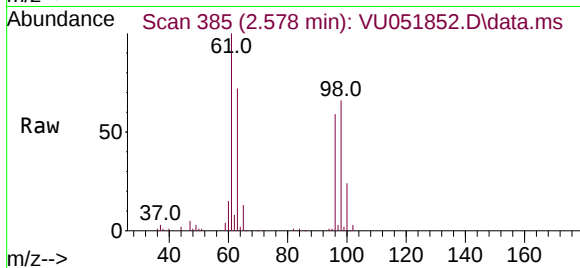




#12  
 1,1-Dichloroethene  
 Concen: 3.253 ug/L  
 RT: 2.578 min Scan# 385  
 Delta R.T. 0.000 min  
 Lab File: VU051852.D  
 Acq: 14 Nov 2022 22:34

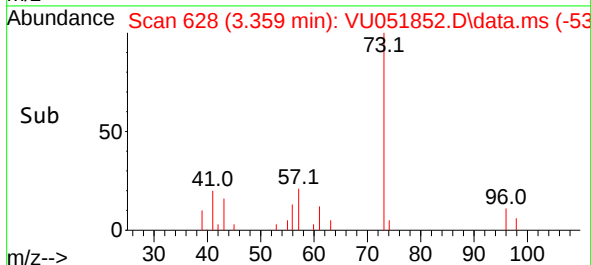
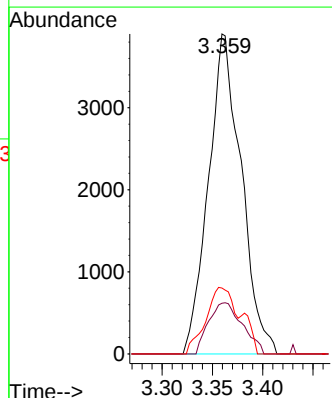
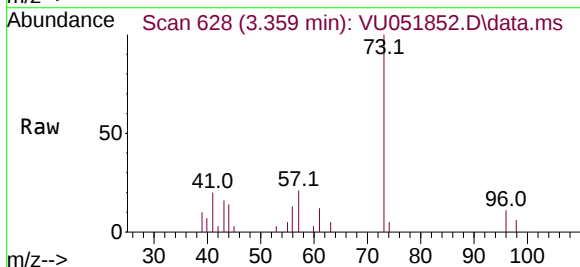
Instrument :  
 MSVOA\_U  
 ClientSampleId :  
 H0AB7

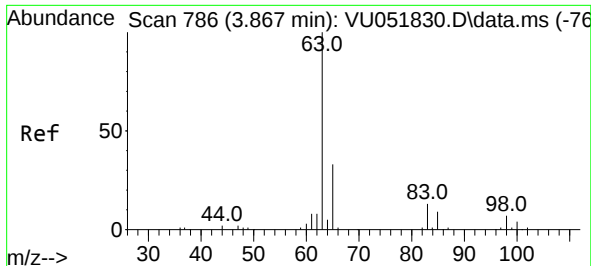
Tgt Ion: 96 Resp: 49083  
 Ion Ratio Lower Upper  
 96 100  
 61 169.9 108.8 202.0  
 63 122.7 64.9 120.5#



#17  
 Methyl tert-butyl Ether  
 Concen: 0.255 ug/L  
 RT: 3.359 min Scan# 628  
 Delta R.T. -0.003 min  
 Lab File: VU051852.D  
 Acq: 14 Nov 2022 22:34

Tgt Ion: 73 Resp: 8837  
 Ion Ratio Lower Upper  
 73 100  
 43 16.5 13.6 20.4  
 57 17.7 17.5 26.3





#19

1,1-Dichloroethane

Concen: 3.352 ug/L

RT: 3.867 min Scan# 786

Delta R.T. 0.000 min

Lab File: VU051852.D

Acq: 14 Nov 2022 22:34

Instrument :

MSVOA\_U

ClientSampleId :

H0AB7

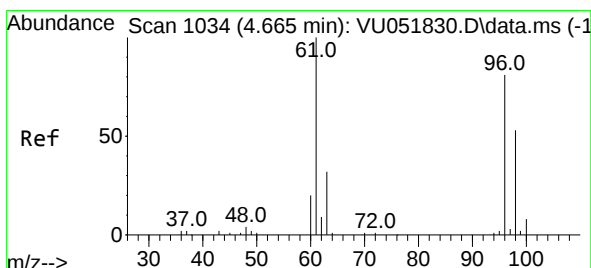
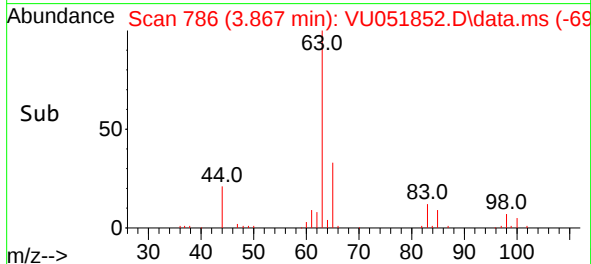
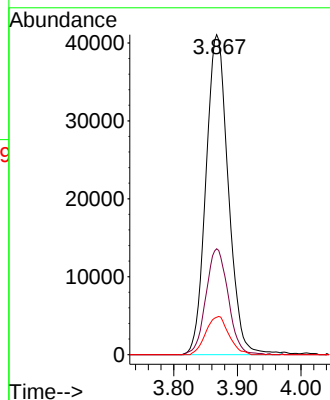
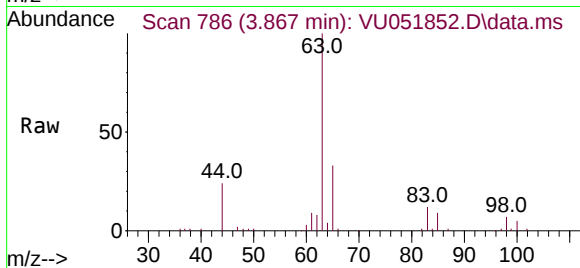
Tgt Ion: 63 Resp: 100116

Ion Ratio Lower Upper

63 100

65 33.1 22.7 42.1

83 11.7 9.2 17.0



#22

cis-1,2-Dichloroethene

Concen: 8.977 ug/L

RT: 4.665 min Scan# 1034

Delta R.T. 0.000 min

Lab File: VU051852.D

Acq: 14 Nov 2022 22:34

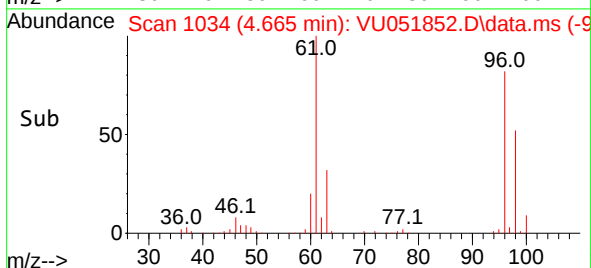
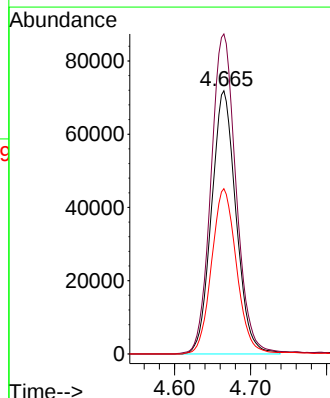
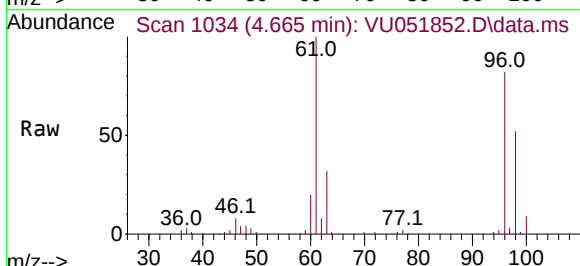
Tgt Ion: 96 Resp: 160854

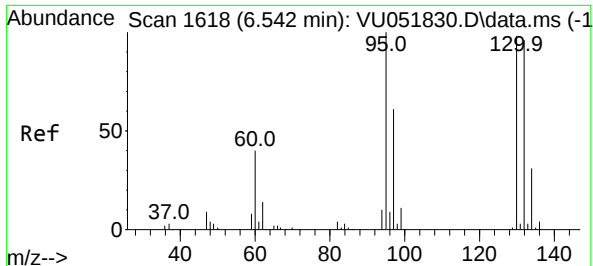
Ion Ratio Lower Upper

96 100

61 121.6 86.4 160.4

98 62.8 44.2 82.2

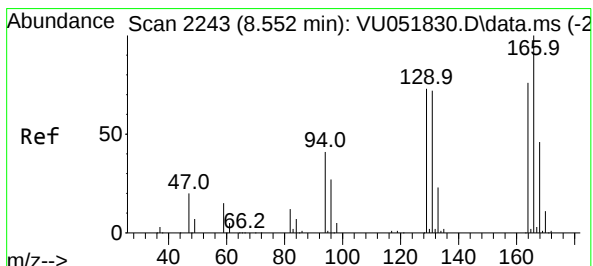
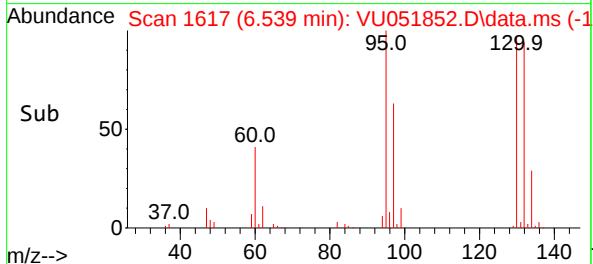
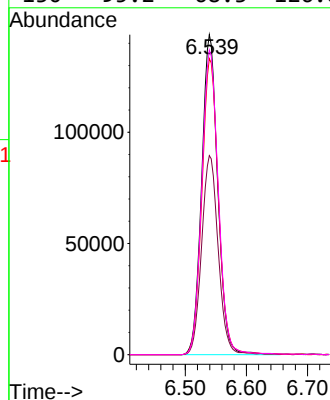
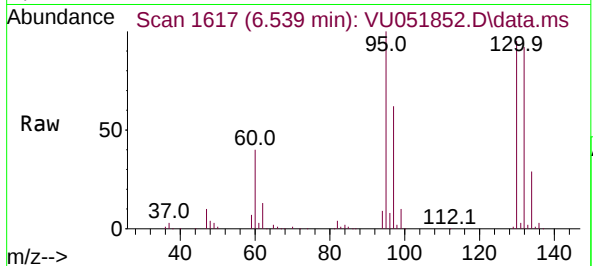




#34  
 Trichloroethene  
 Concen: 15.338 ug/L  
 RT: 6.539 min Scan# 1617  
 Delta R.T. -0.003 min  
 Lab File: VU051852.D  
 Acq: 14 Nov 2022 22:34

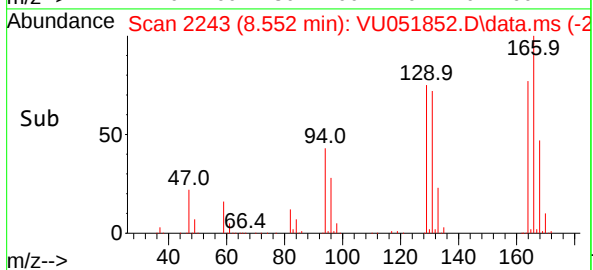
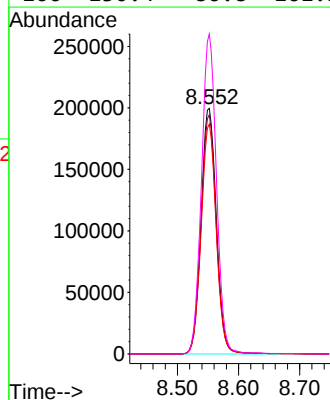
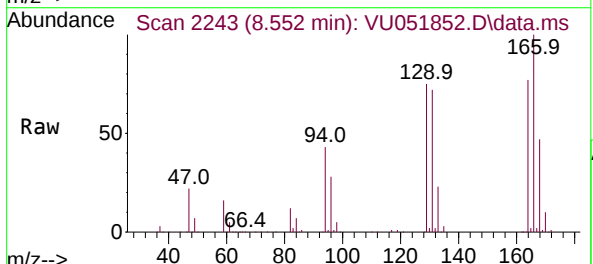
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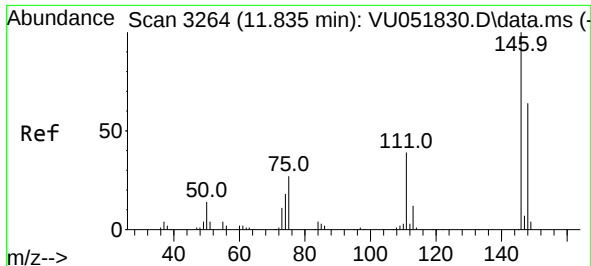
Tgt Ion: 95 Resp: 263420  
 Ion Ratio Lower Upper  
 95 100  
 97 62.2 45.2 84.0  
 132 92.5 66.5 123.5  
 130 95.2 68.3 126.8



#47  
 Tetrachloroethene  
 Concen: 26.370 ug/L  
 RT: 8.552 min Scan# 2243  
 Delta R.T. 0.000 min  
 Lab File: VU051852.D  
 Acq: 14 Nov 2022 22:34

Tgt Ion: 164 Resp: 346862  
 Ion Ratio Lower Upper  
 164 100  
 129 97.4 64.0 118.8  
 131 93.6 60.7 112.7  
 166 130.4 86.8 161.2

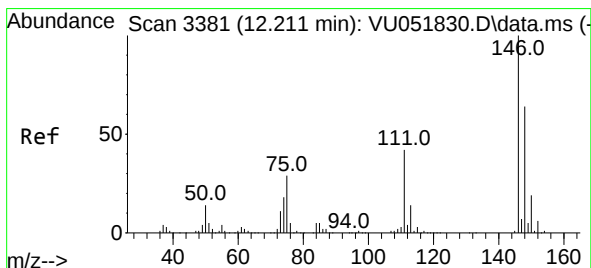
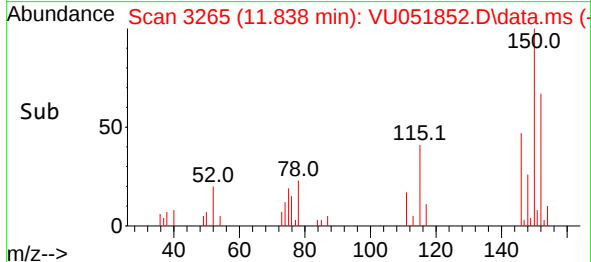
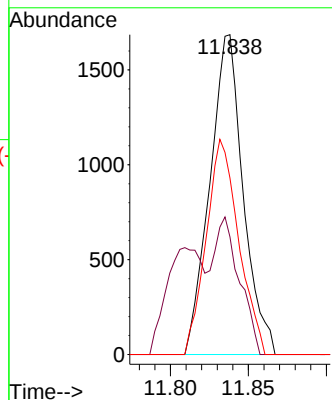
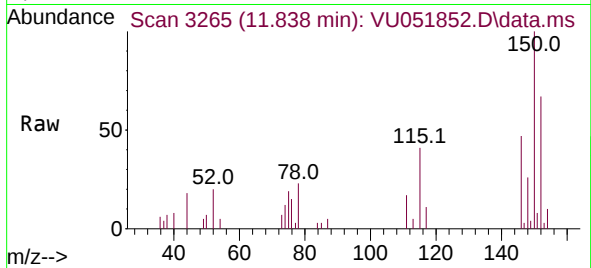




#65  
1,4-Dichlorobenzene  
Concen: 0.109 ug/L  
RT: 11.838 min Scan# 31  
Delta R.T. 0.003 min  
Lab File: VU051852.D  
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MSVOA\_U  
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Tgt Ion:146 Resp: 2507  
Ion Ratio Lower Upper  
146 100  
111 36.8 26.7 49.5  
148 55.2 43.5 80.9



#67  
1,2-Dichlorobenzene  
Concen: 0.166 ug/L  
RT: 12.208 min Scan# 3380  
Delta R.T. -0.003 min  
Lab File: VU051852.D  
Acq: 14 Nov 2022 22:34

Tgt Ion:146 Resp: 3689  
Ion Ratio Lower Upper  
146 100  
111 42.3 34.2 51.2  
148 47.9 50.1 75.1#

