

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_U\Data\VU091924\  
 Data File : VU060905.D  
 Acq On : 19 Sep 2024 17:56  
 Operator : MD/SY  
 Sample : P3952-13  
 Misc : 25.0mL/MSVOA\_U/WATER  
 ALS Vial : 21 Sample Multiplier: 1

Instrument :  
 MSVOA\_U  
 ClientSampleId :  
 C0B57

Quant Time: Sep 19 23:59:49 2024  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_U\Method\SFAMUTR091624WMA.M  
 Quant Title : TRACE VOA SFAM1.0  
 QLast Update : Thu Sep 19 23:54:48 2024  
 Response via : Initial Calibration

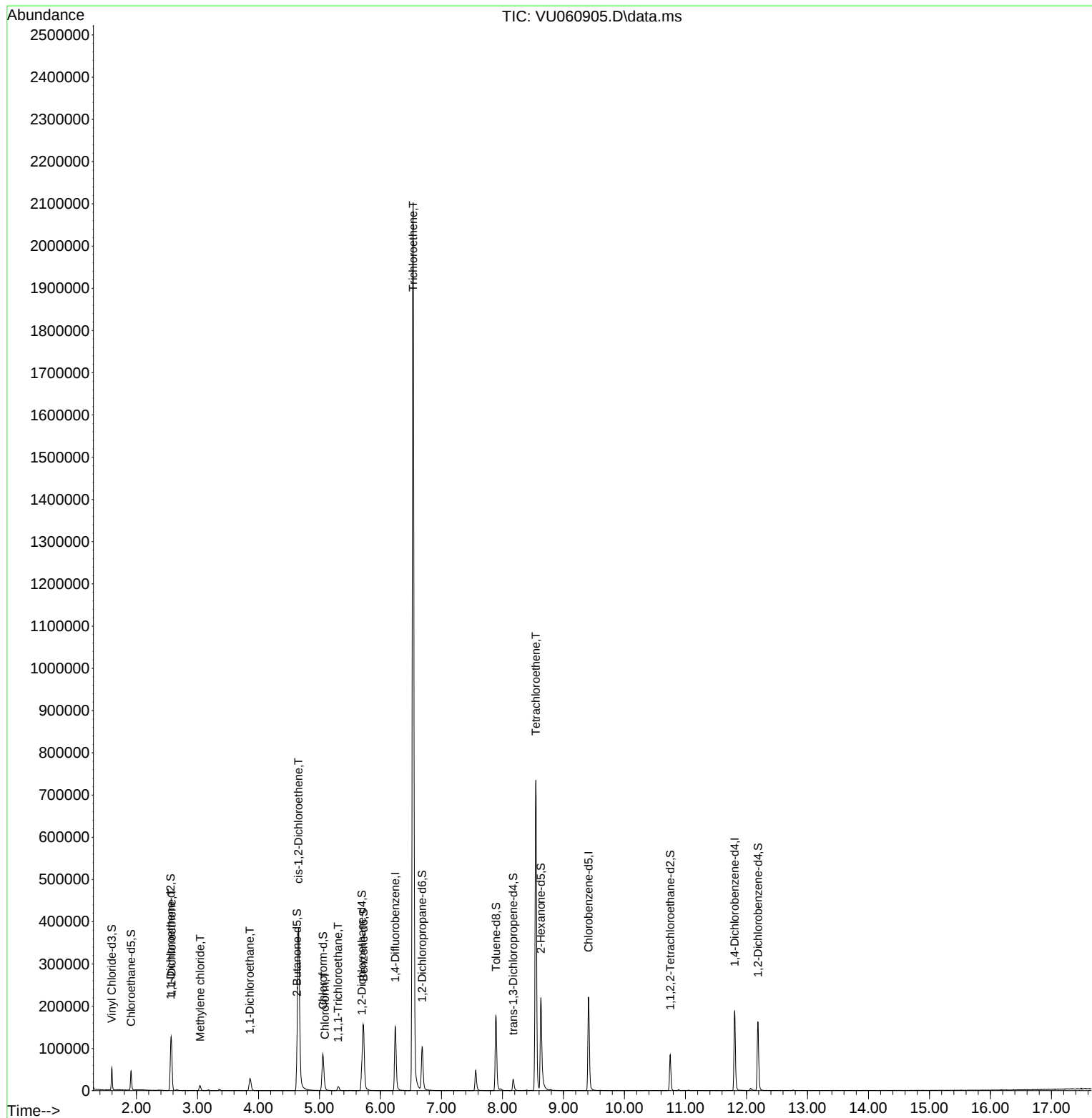
| Compound                      | R.T.   | QIon  | Response | Conc     | Units  | Dev(Min) |
|-------------------------------|--------|-------|----------|----------|--------|----------|
| -----                         |        |       |          |          |        |          |
| Internal Standards            |        |       |          |          |        |          |
| 1) 1,4-Difluorobenzene        | 6.242  | 114   | 134146   | 5.000    | ug/L   | 0.00     |
| 28) Chlorobenzene-d5          | 9.412  | 117   | 141590   | 5.000    | ug/L   | 0.00     |
| 58) 1,4-Dichlorobenzene-d4    | 11.807 | 152   | 58097    | 5.000    | ug/L   | 0.00     |
| System Monitoring Compounds   |        |       |          |          |        |          |
| 4) Vinyl Chloride-d3          | 1.596  | 65    | 36191    | 3.000    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 40 - 130 | Recovery | =      | 60.000%  |
| 7) Chloroethane-d5            | 1.911  | 69    | 34364    | 4.000    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 65 - 130 | Recovery | =      | 80.000%  |
| 11) 1,1-Dichloroethene-d2     | 2.560  | 65    | 15204    | 3.555    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 60 - 125 | Recovery | =      | 71.200%  |
| 20) 2-Butanone-d5             | 4.631  | 46    | 97098    | 50.129   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000 | Range | 40 - 130 | Recovery | =      | 100.260% |
| 24) Chloroform-d              | 5.055  | 84    | 82768    | 4.487    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 70 - 125 | Recovery | =      | 89.800%  |
| 26) 1,2-Dichloroethane-d4     | 5.695  | 65    | 42653    | 4.838    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 70 - 130 | Recovery | =      | 96.800%  |
| 32) Benzene-d6                | 5.721  | 84    | 152879   | 4.028    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 70 - 125 | Recovery | =      | 80.600%  |
| 36) 1,2-Dichloropropane-d6    | 6.682  | 67    | 53124    | 4.524    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 60 - 140 | Recovery | =      | 90.400%  |
| 41) Toluene-d8                | 7.894  | 98    | 132099   | 3.818    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 70 - 130 | Recovery | =      | 76.400%  |
| 43) trans-1,3-Dichloroprop... | 8.177  | 79    | 18803    | 4.449    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 55 - 130 | Recovery | =      | 89.000%  |
| 46) 2-Hexanone-d5             | 8.631  | 63    | 81061    | 48.620   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000 | Range | 45 - 130 | Recovery | =      | 97.240%  |
| 56) 1,1,2,2-Tetrachloroeth... | 10.750 | 84    | 42801    | 4.653    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 65 - 120 | Recovery | =      | 93.000%  |
| 66) 1,2-Dichlorobenzene-d4    | 12.187 | 152   | 48950    | 5.014    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 80 - 120 | Recovery | =      | 100.200% |
| Target Compounds              |        |       |          |          |        |          |
|                               |        |       |          |          | Qvalue |          |
| 12) 1,1-Dichloroethene        | 2.573  | 96    | 25849    | 3.063    | ug/L   | 92       |
| 16) Methylene chloride        | 3.043  | 84    | 5789     | 0.592    | ug/L   | 94       |
| 19) 1,1-Dichloroethane        | 3.859  | 63    | 34098    | 1.942    | ug/L   | 97       |
| 22) cis-1,2-Dichloroethene    | 4.657  | 96    | 203179   | 20.996   | ug/L   | 95       |
| 25) Chloroform                | 5.087  | 83    | 6584     | 0.360    | ug/L   | 91       |
| 29) 1,1,1-Trichloroethane     | 5.306  | 97    | 7492     | 0.490    | ug/L   | 92       |
| 34) Trichloroethene           | 6.534  | 95    | 735691   | 72.084   | ug/L   | 97       |
| 47) Tetrachloroethene         | 8.547  | 164   | 173996   | 21.453   | ug/L   | 99       |
| -----                         |        |       |          |          |        |          |

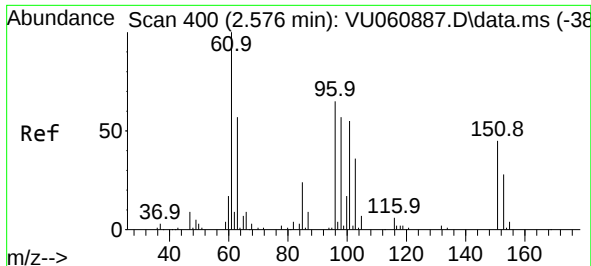
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Thu Sep 19 23:54:48 2024  
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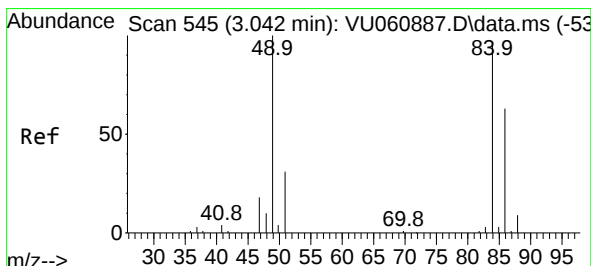
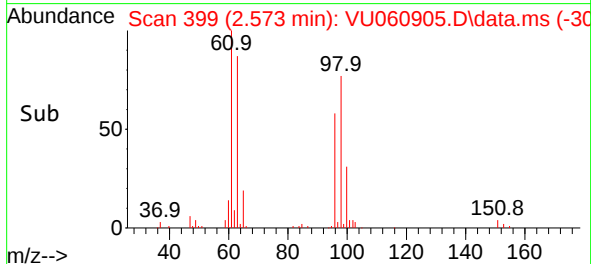
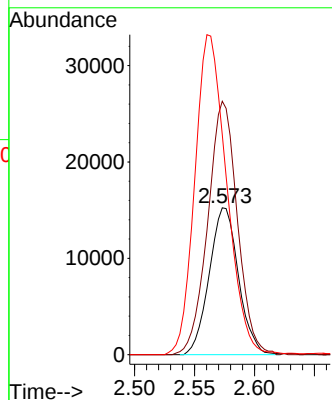
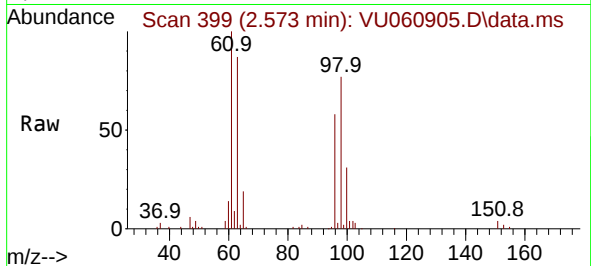




#12  
1,1-Dichloroethene  
Concen: 3.063 ug/L  
RT: 2.573 min Scan# 399  
Delta R.T. -0.003 min  
Lab File: VU060905.D  
Acq: 19 Sep 2024 17:56

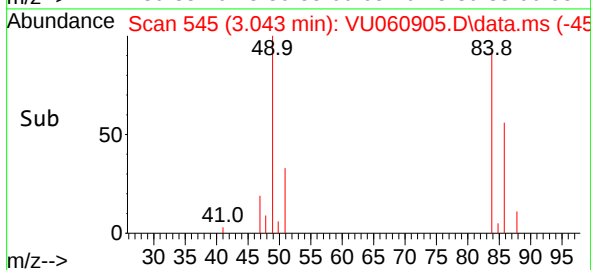
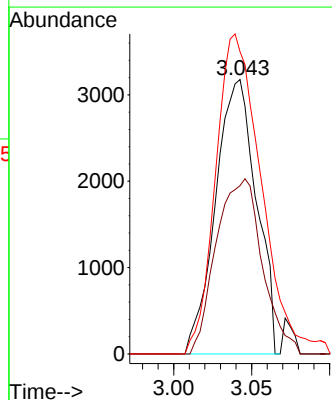
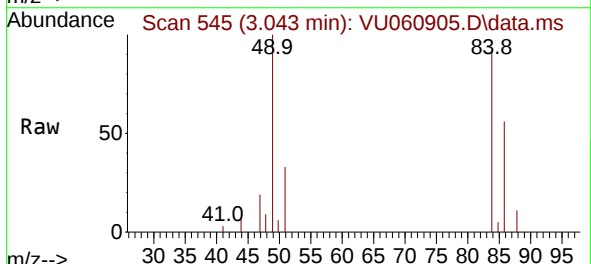
Instrument :  
MSVOA\_U  
ClientSampleId :  
C0B57

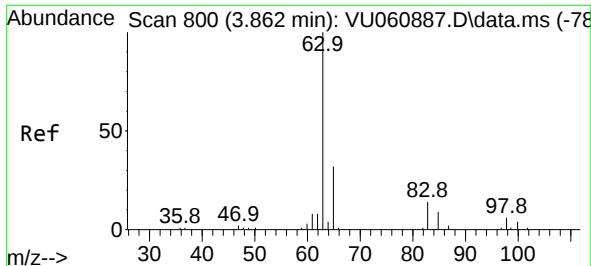
Tgt Ion: 96 Resp: 25849  
Ion Ratio Lower Upper  
96 100  
61 172.5 120.7 224.1  
63 149.7 90.0 167.2



#16  
Methylene chloride  
Concen: 0.592 ug/L  
RT: 3.043 min Scan# 545  
Delta R.T. 0.000 min  
Lab File: VU060905.D  
Acq: 19 Sep 2024 17:56

Tgt Ion: 84 Resp: 5789  
Ion Ratio Lower Upper  
84 100  
86 61.3 47.3 87.8  
49 117.2 78.7 146.1





#19

1,1-Dichloroethane

Concen: 1.942 ug/L

RT: 3.859 min Scan# 799

Delta R.T. -0.003 min

Lab File: VU060905.D

Acq: 19 Sep 2024 17:56

Instrument :

MSVOA\_U

ClientSampleId :

C0B57

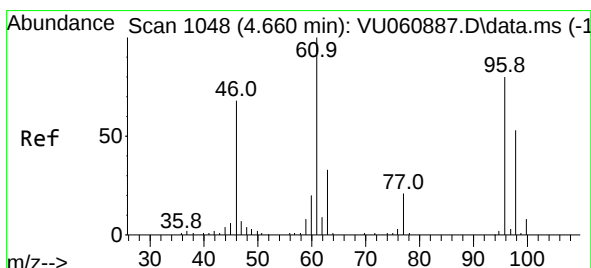
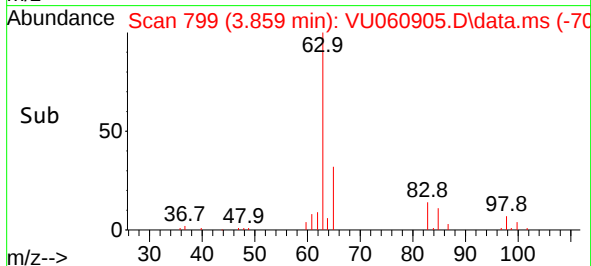
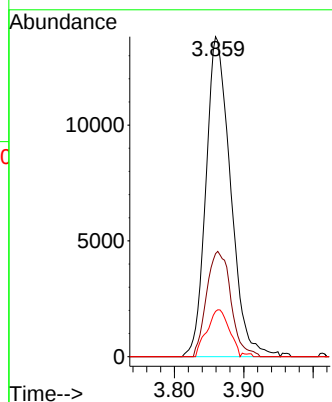
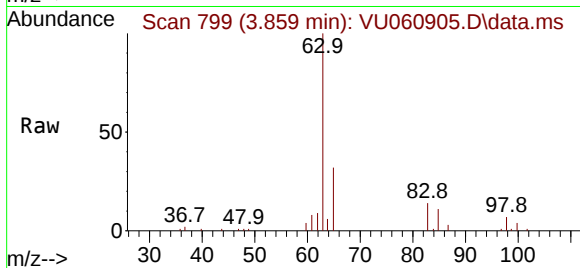
Tgt Ion: 63 Resp: 34098

Ion Ratio Lower Upper

63 100

65 30.5 23.0 42.8

83 13.4 9.0 16.6



#22

cis-1,2-Dichloroethene

Concen: 20.996 ug/L

RT: 4.657 min Scan# 1047

Delta R.T. -0.003 min

Lab File: VU060905.D

Acq: 19 Sep 2024 17:56

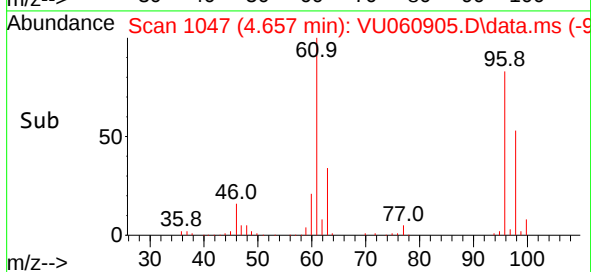
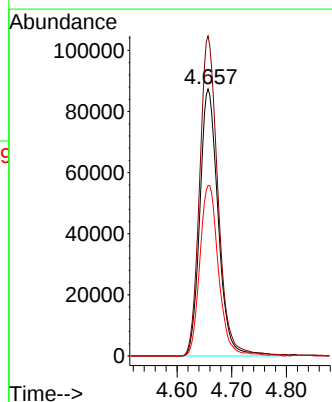
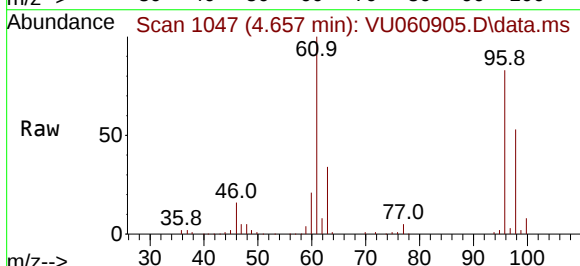
Tgt Ion: 96 Resp: 203179

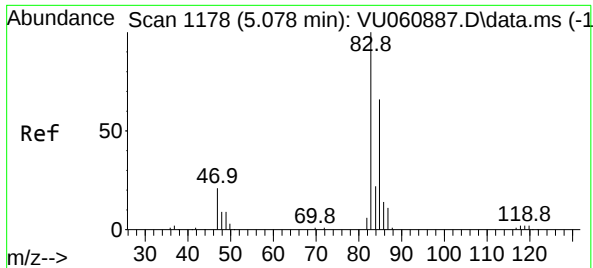
Ion Ratio Lower Upper

96 100

61 119.8 89.7 166.5

98 63.9 45.1 83.9

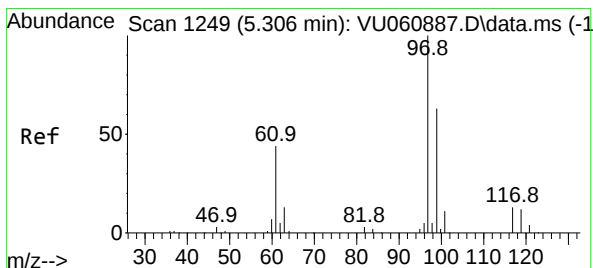
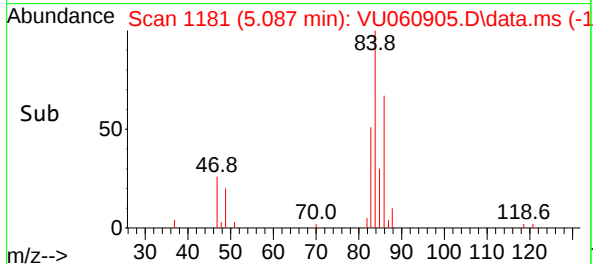
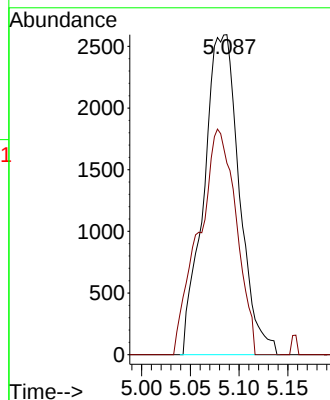
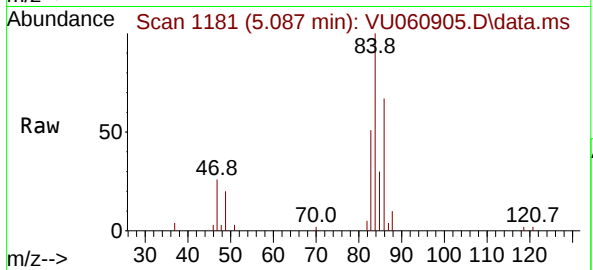




#25  
Chloroform  
Concen: 0.360 ug/L  
RT: 5.087 min Scan# 1178  
Delta R.T. 0.010 min  
Lab File: VU060905.D  
Acq: 19 Sep 2024 17:56

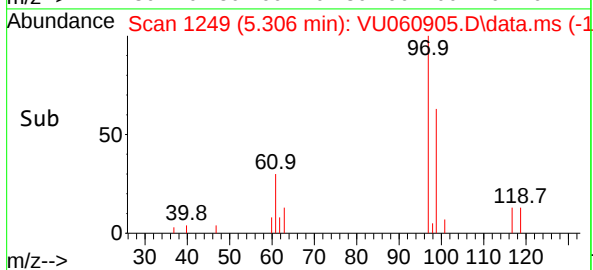
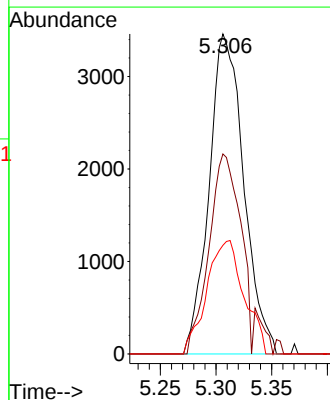
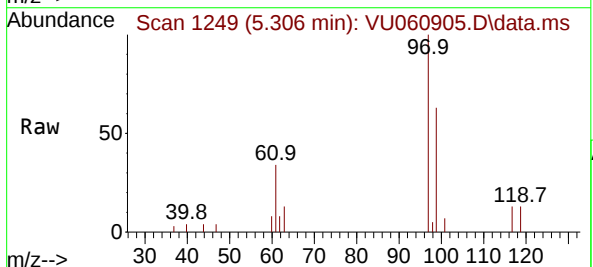
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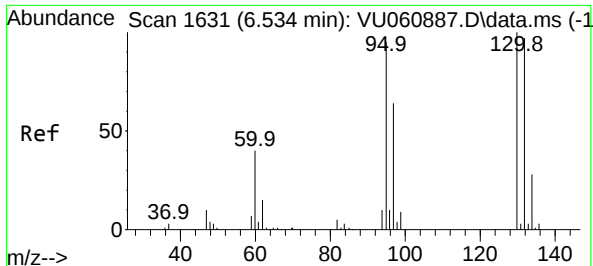
Tgt Ion: 83 Resp: 6584  
Ion Ratio Lower Upper  
83 100  
85 59.8 46.8 86.8



#29  
1,1,1-Trichloroethane  
Concen: 0.490 ug/L  
RT: 5.306 min Scan# 1249  
Delta R.T. 0.000 min  
Lab File: VU060905.D  
Acq: 19 Sep 2024 17:56

Tgt Ion: 97 Resp: 7492  
Ion Ratio Lower Upper  
97 100  
99 56.5 50.5 75.7  
61 38.0 34.4 51.6

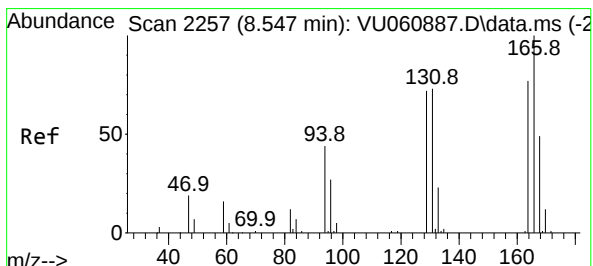
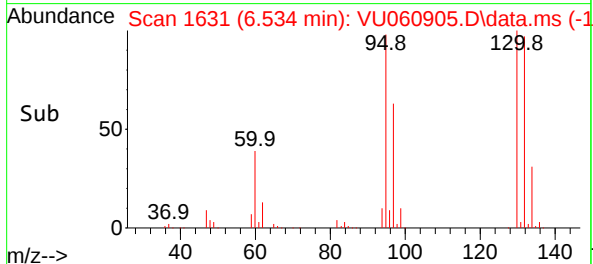
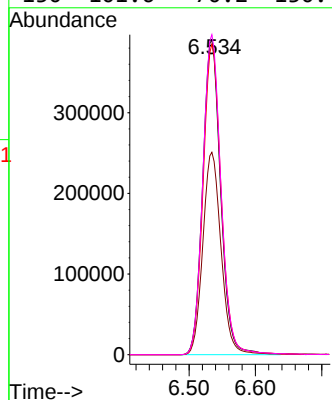
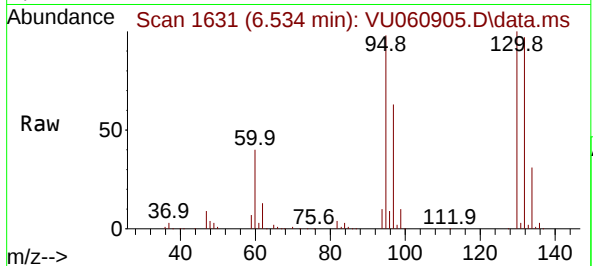




#34  
Trichloroethene  
Concen: 72.084 ug/L  
RT: 6.534 min Scan# 1  
Delta R.T. 0.000 min  
Lab File: VU060905.D  
Acq: 19 Sep 2024 17:56

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MSVOA\_U  
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Tgt Ion: 95 Resp: 735691  
Ion Ratio Lower Upper  
95 100  
97 64.3 44.9 83.5  
132 98.6 63.5 117.9  
130 101.6 70.2 130.4



#47  
Tetrachloroethene  
Concen: 21.453 ug/L  
RT: 8.547 min Scan# 2257  
Delta R.T. 0.000 min  
Lab File: VU060905.D  
Acq: 19 Sep 2024 17:56

Tgt Ion: 164 Resp: 173996  
Ion Ratio Lower Upper  
164 100  
129 94.8 67.3 124.9  
131 91.9 65.4 121.4  
166 126.2 89.5 166.1

