

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_U\Data\VU042423\  
 Data File : VU053864.D  
 Acq On : 25 Apr 2023 00:10  
 Operator : JC/MD  
 Sample : 02433-12 50X  
 Misc : 25.0mL/MSVOA\_U/WATER  
 ALS Vial : 34 Sample Multiplier: 1

Instrument :  
 MSVOA\_U  
 ClientSampleId :  
 BHE47

Quant Time: Apr 25 05:07:37 2023  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_U\Method\SFAMUTR042423WMA.M  
 Quant Title : TRACE VOA SFAM1.0  
 QLast Update : Tue Apr 25 05:01:02 2023  
 Response via : Initial Calibration

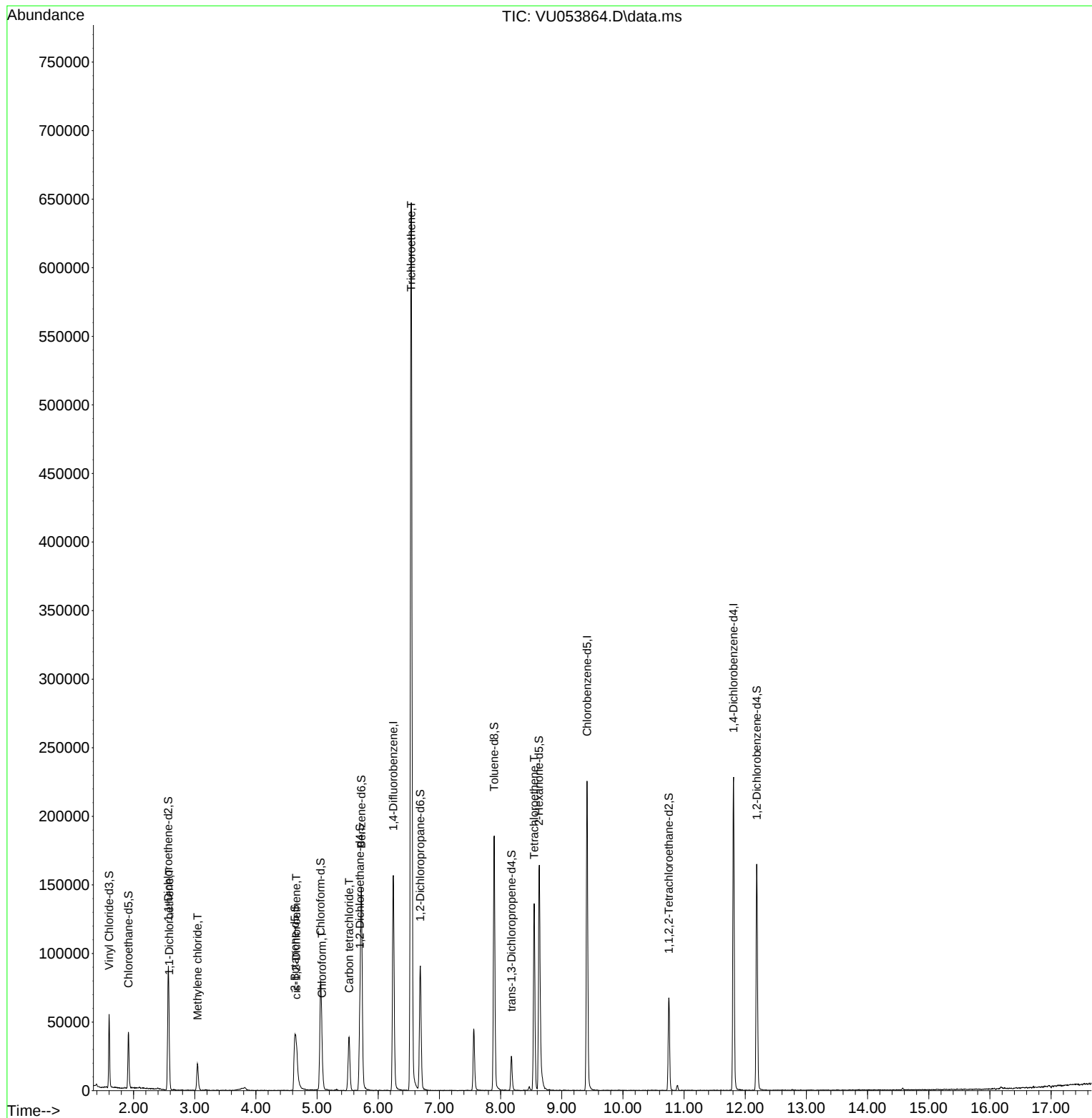
| Compound                      | R.T.   | QIon  | Response | Conc     | Units | Dev(Min) |
|-------------------------------|--------|-------|----------|----------|-------|----------|
| -----                         |        |       |          |          |       |          |
| Internal Standards            |        |       |          |          |       |          |
| 1) 1,4-Difluorobenzene        | 6.247  | 114   | 139918   | 5.000    | ug/L  | 0.00     |
| 28) Chlorobenzene-d5          | 9.414  | 117   | 132359   | 5.000    | ug/L  | 0.00     |
| 58) 1,4-Dichlorobenzene-d4    | 11.809 | 152   | 63061    | 5.000    | ug/L  | 0.00     |
|                               |        |       |          |          |       |          |
| System Monitoring Compounds   |        |       |          |          |       |          |
| 4) Vinyl Chloride-d3          | 1.600  | 65    | 38366    | 4.502    | ug/L  | 0.00     |
| Spiked Amount                 | 5.000  | Range | 40 - 130 | Recovery | =     | 90.000%  |
| 7) Chloroethane-d5            | 1.916  | 69    | 31307    | 4.377    | ug/L  | 0.00     |
| Spiked Amount                 | 5.000  | Range | 65 - 130 | Recovery | =     | 87.600%  |
| 11) 1,1-Dichloroethene-d2     | 2.568  | 65    | 15564    | 4.438    | ug/L  | 0.00     |
| Spiked Amount                 | 5.000  | Range | 60 - 125 | Recovery | =     | 88.800%  |
| 20) 2-Butanone-d5             | 4.636  | 46    | 73790    | 47.273   | ug/L  | 0.00     |
| Spiked Amount                 | 50.000 | Range | 40 - 130 | Recovery | =     | 94.540%  |
| 24) Chloroform-d              | 5.060  | 84    | 73294    | 4.564    | ug/L  | 0.00     |
| Spiked Amount                 | 5.000  | Range | 70 - 125 | Recovery | =     | 91.200%  |
| 26) 1,2-Dichloroethane-d4     | 5.700  | 65    | 35950    | 4.844    | ug/L  | 0.00     |
| Spiked Amount                 | 5.000  | Range | 70 - 130 | Recovery | =     | 96.800%  |
| 32) Benzene-d6                | 5.726  | 84    | 145713   | 4.673    | ug/L  | 0.00     |
| Spiked Amount                 | 5.000  | Range | 70 - 125 | Recovery | =     | 93.400%  |
| 36) 1,2-Dichloropropane-d6    | 6.687  | 67    | 45787    | 4.854    | ug/L  | 0.00     |
| Spiked Amount                 | 5.000  | Range | 60 - 140 | Recovery | =     | 97.000%  |
| 41) Toluene-d8                | 7.896  | 98    | 134189   | 4.611    | ug/L  | 0.00     |
| Spiked Amount                 | 5.000  | Range | 70 - 130 | Recovery | =     | 92.200%  |
| 43) trans-1,3-Dichloroprop... | 8.179  | 79    | 16064    | 4.330    | ug/L  | 0.00     |
| Spiked Amount                 | 5.000  | Range | 55 - 130 | Recovery | =     | 86.600%  |
| 46) 2-Hexanone-d5             | 8.629  | 63    | 60985    | 46.450   | ug/L  | 0.00     |
| Spiked Amount                 | 50.000 | Range | 45 - 130 | Recovery | =     | 92.900%  |
| 56) 1,1,2,2-Tetrachloroeth... | 10.751 | 84    | 34364    | 4.508    | ug/L  | 0.00     |
| Spiked Amount                 | 5.000  | Range | 65 - 120 | Recovery | =     | 90.200%  |
| 66) 1,2-Dichlorobenzene-d4    | 12.188 | 152   | 47686    | 4.715    | ug/L  | 0.00     |
| Spiked Amount                 | 5.000  | Range | 80 - 120 | Recovery | =     | 94.200%  |
|                               |        |       |          |          |       |          |
| Target Compounds              |        |       |          |          |       | Qvalue   |
| 12) 1,1-Dichloroethene        | 2.581  | 96    | 4119     | 0.468    | ug/L  | # 1      |
| 16) Methylene chloride        | 3.047  | 84    | 9350     | 0.778    | ug/L  | 95       |
| 22) cis-1,2-Dichloroethene    | 4.661  | 96    | 8022     | 0.800    | ug/L  | 89       |
| 25) Chloroform                | 5.083  | 83    | 8589     | 0.491    | ug/L  | 95       |
| 31) Carbon tetrachloride      | 5.523  | 117   | 26882    | 2.078    | ug/L  | 98       |
| 34) Trichloroethene           | 6.539  | 95    | 222646   | 21.900   | ug/L  | 99       |
| 47) Tetrachloroethene         | 8.549  | 164   | 30659    | 3.805    | ug/L  | 99       |
| -----                         |        |       |          |          |       |          |

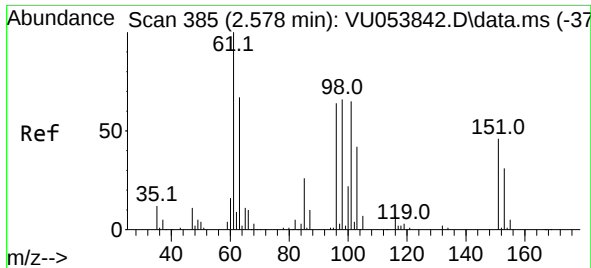
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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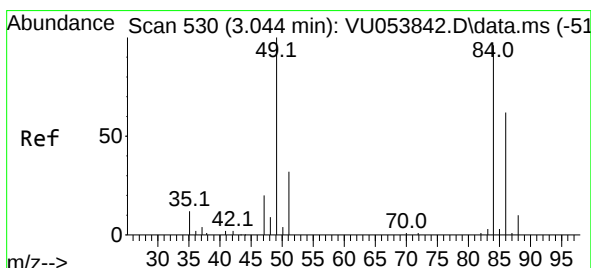
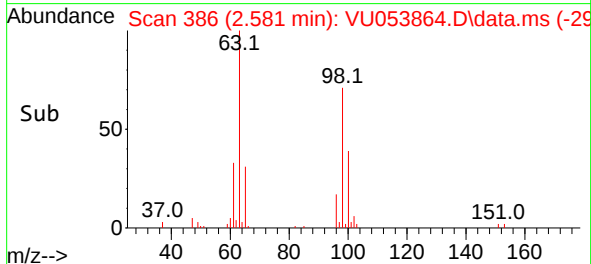
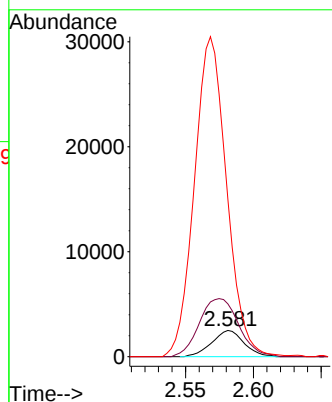
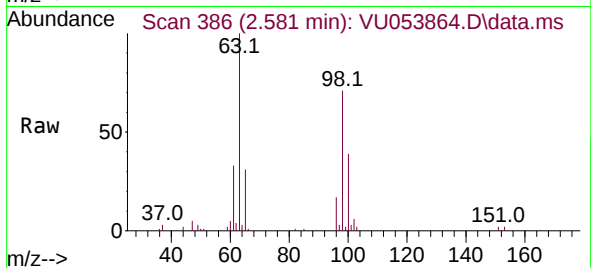




#12  
1,1-Dichloroethene  
Concen: 0.468 ug/L  
RT: 2.581 min Scan# 386  
Delta R.T. 0.003 min  
Lab File: VU053864.D  
Acq: 25 Apr 2023 00:10

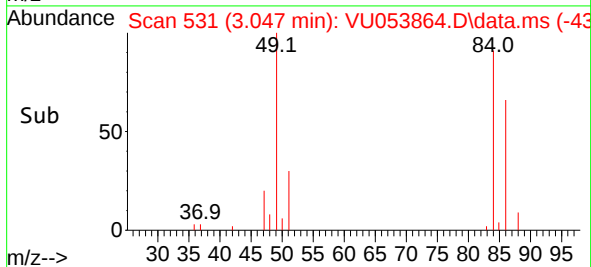
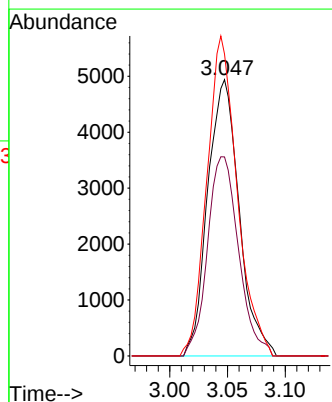
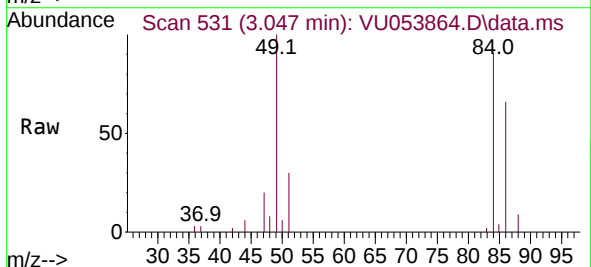
Instrument :  
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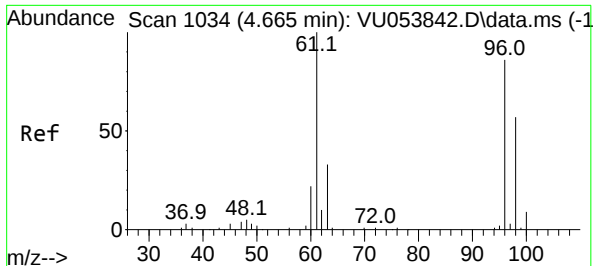
Tgt Ion: 96 Resp: 4119  
Ion Ratio Lower Upper  
96 100  
61 201.4 111.5 207.1  
63 601.4 68.7 127.7#



#16  
Methylene chloride  
Concen: 0.778 ug/L  
RT: 3.047 min Scan# 531  
Delta R.T. 0.003 min  
Lab File: VU053864.D  
Acq: 25 Apr 2023 00:10

Tgt Ion: 84 Resp: 9350  
Ion Ratio Lower Upper  
84 100  
86 72.0 45.0 83.6  
49 109.3 74.8 138.8





#22

cis-1,2-Dichloroethene

Concen: 0.800 ug/L

RT: 4.661 min Scan# 1033

Delta R.T. -0.003 min

Lab File: VU053864.D

Acq: 25 Apr 2023 00:10

Instrument :

MSVOA\_U

ClientSampleId :

BHE47

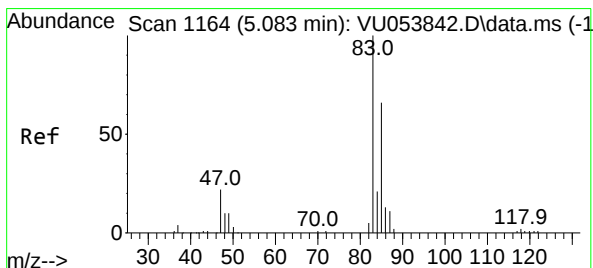
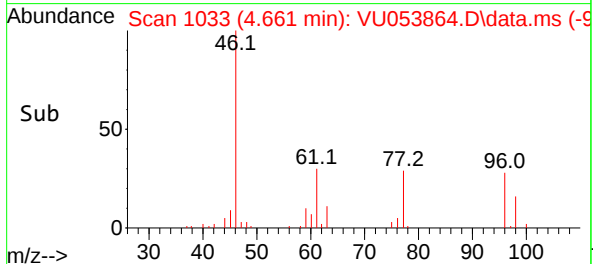
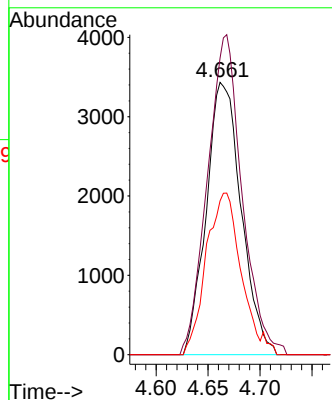
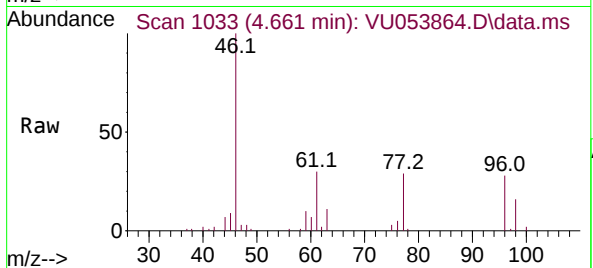
Tgt Ion: 96 Resp: 8022

Ion Ratio Lower Upper

96 100

61 108.9 84.3 156.5

98 56.5 46.4 86.2



#25

Chloroform

Concen: 0.491 ug/L

RT: 5.083 min Scan# 1164

Delta R.T. -0.000 min

Lab File: VU053864.D

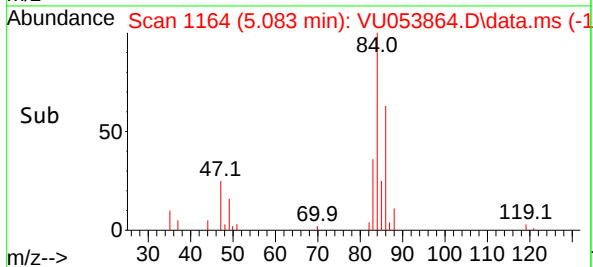
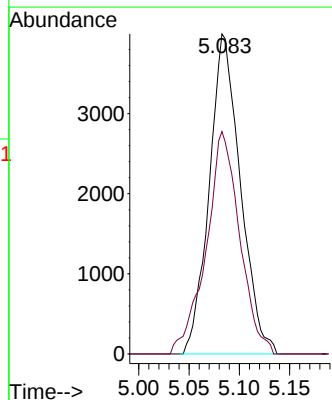
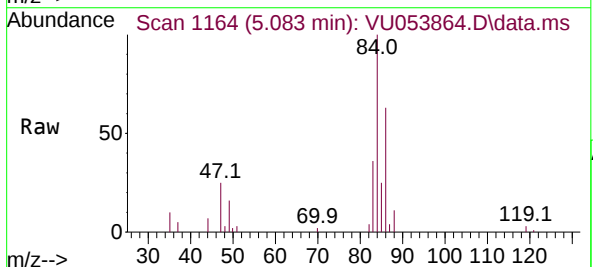
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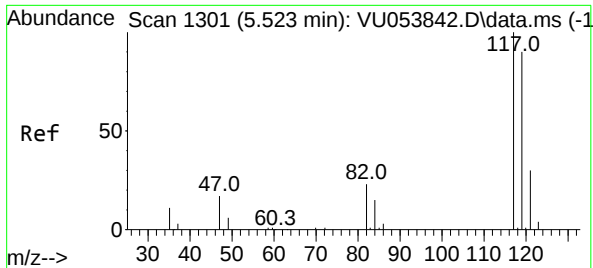
Tgt Ion: 83 Resp: 8589

Ion Ratio Lower Upper

83 100

85 69.5 45.6 84.8

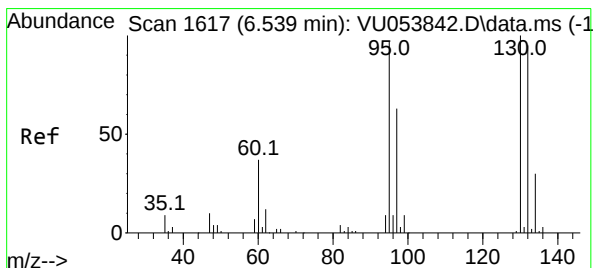
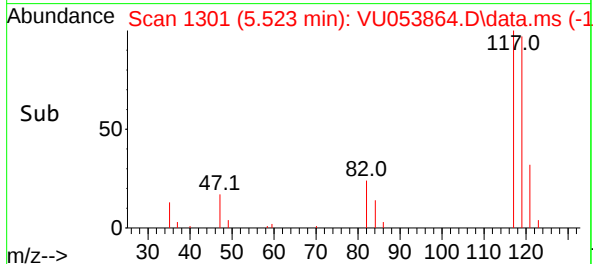
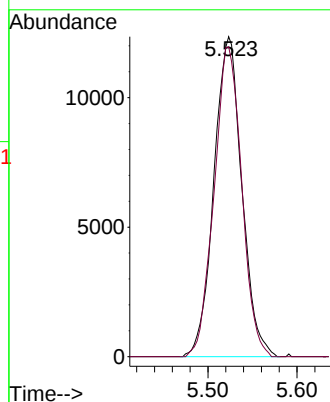
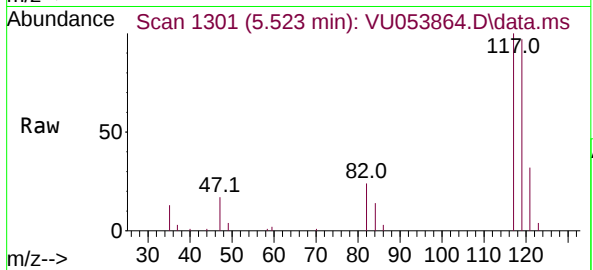




#31  
Carbon tetrachloride  
Concen: 2.078 ug/L  
RT: 5.523 min Scan# 1170  
Delta R.T. -0.000 min  
Lab File: VU053864.D  
Acq: 25 Apr 2023 00:10

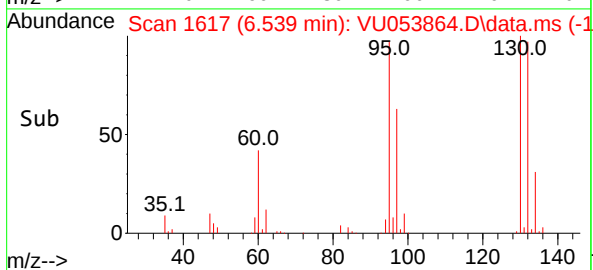
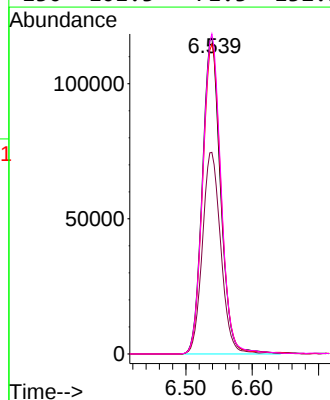
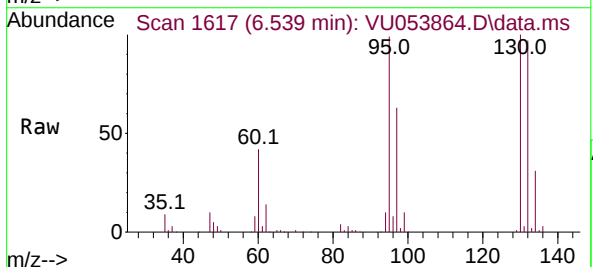
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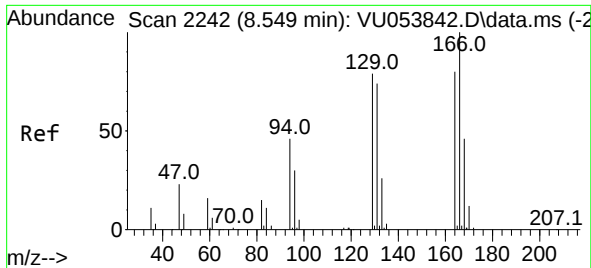
Tgt Ion:117 Resp: 26882  
Ion Ratio Lower Upper  
117 100  
119 95.8 75.0 112.6



#34  
Trichloroethene  
Concen: 21.900 ug/L  
RT: 6.539 min Scan# 1617  
Delta R.T. -0.000 min  
Lab File: VU053864.D  
Acq: 25 Apr 2023 00:10

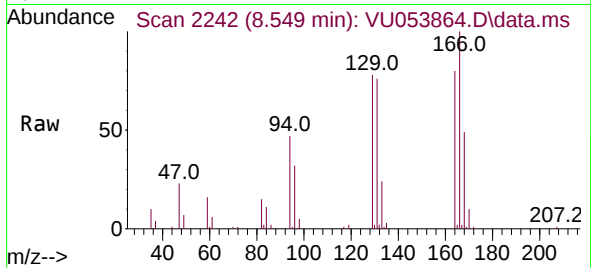
Tgt Ion: 95 Resp: 222646  
Ion Ratio Lower Upper  
95 100  
97 63.8 45.1 83.9  
132 98.0 69.9 129.9  
130 101.3 71.3 132.3





#47  
 Tetrachloroethene  
 Concen: 3.805 ug/L  
 RT: 8.549 min Scan# 21  
 Delta R.T. -0.000 min  
 Lab File: VU053864.D  
 Acq: 25 Apr 2023 00:10

Instrument :  
 MSVOA\_U  
 ClientSampleId :  
 BHE47



|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 164   | Resp: | 30659 |
| Ion      | Ratio | Lower | Upper |
| 164      | 100   |       |       |
| 129      | 98.6  | 68.3  | 126.8 |
| 131      | 95.3  | 64.4  | 119.6 |
| 166      | 125.7 | 88.3  | 163.9 |

