

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_U\Data\VU051923\  
 Data File : VU054212.D  
 Acq On : 19 May 2023 12:17  
 Operator : JC/MD  
 Sample : 02843-17  
 Misc : 25.0mL/MSVOA\_U/WATER  
 ALS Vial : 5 Sample Multiplier: 1

Instrument :  
 MSVOA\_U  
 ClientSampleId :  
 GBWZ1

Quant Time: May 20 02:07:20 2023  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_U\Method\SFAMUTR051823WMA.M  
 Quant Title : TRACE VOA SFAM1.0  
 QLast Update : Sat May 20 02:06:23 2023  
 Response via : Initial Calibration

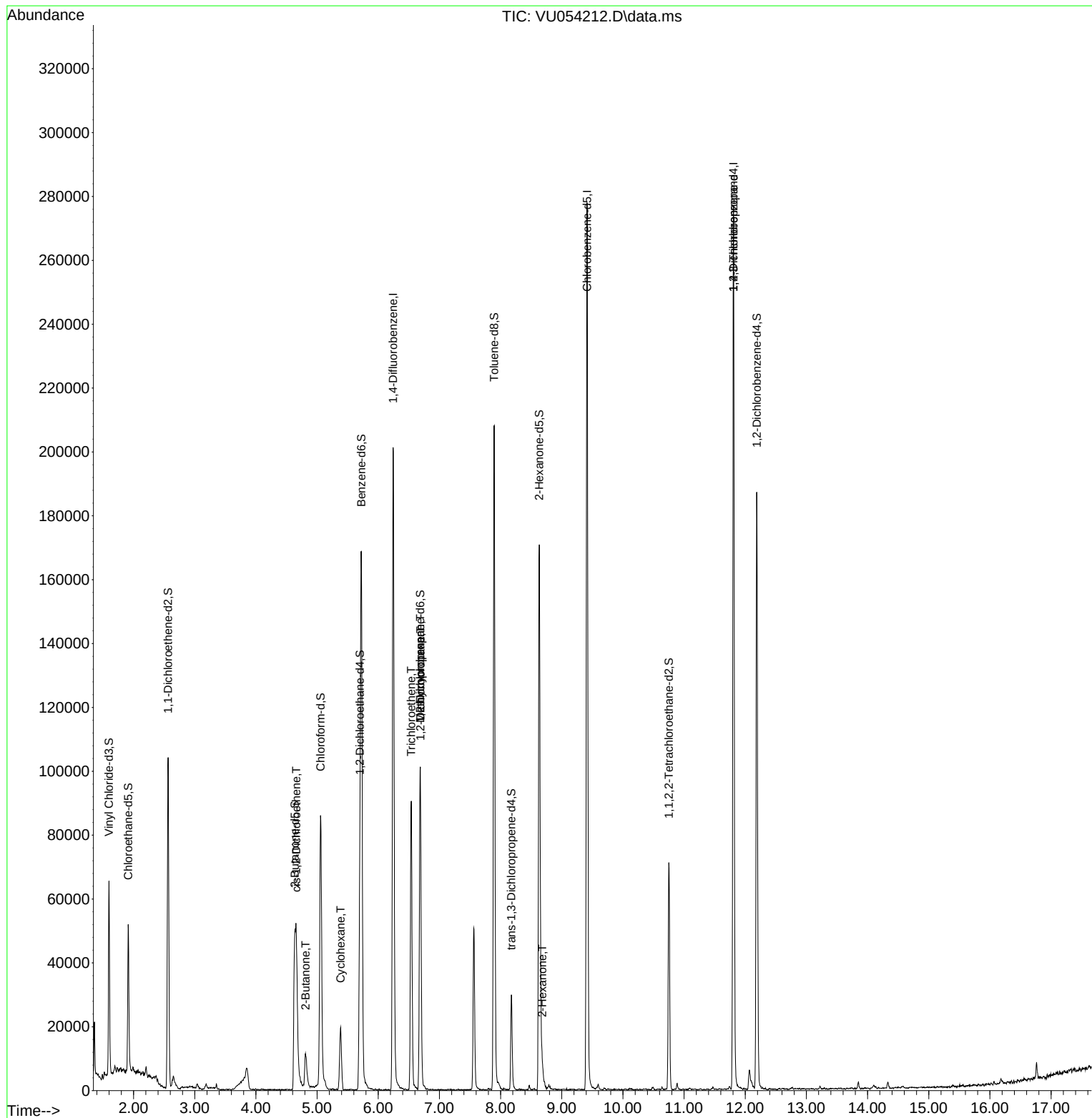
| Compound                      | R.T.   | QIon  | Response | Conc     | Units  | Dev(Min) |
|-------------------------------|--------|-------|----------|----------|--------|----------|
| -----                         |        |       |          |          |        |          |
| Internal Standards            |        |       |          |          |        |          |
| 1) 1,4-Difluorobenzene        | 6.243  | 114   | 168473   | 5.000    | ug/L   | 0.00     |
| 28) Chlorobenzene-d5          | 9.414  | 117   | 161381   | 5.000    | ug/L   | 0.00     |
| 58) 1,4-Dichlorobenzene-d4    | 11.809 | 152   | 78540    | 5.000    | ug/L   | 0.00     |
|                               |        |       |          |          |        |          |
| System Monitoring Compounds   |        |       |          |          |        |          |
| 4) Vinyl Chloride-d3          | 1.597  | 65    | 43693    | 4.810    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 40 - 130 | Recovery | =      | 96.200%  |
| 7) Chloroethane-d5            | 1.912  | 69    | 34993    | 5.150    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 65 - 130 | Recovery | =      | 103.000% |
| 11) 1,1-Dichloroethene-d2     | 2.565  | 65    | 18995    | 4.630    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 60 - 125 | Recovery | =      | 92.600%  |
| 20) 2-Butanone-d5             | 4.636  | 46    | 85123    | 52.552   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000 | Range | 40 - 130 | Recovery | =      | 105.100% |
| 24) Chloroform-d              | 5.057  | 84    | 81949    | 4.799    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 70 - 125 | Recovery | =      | 96.000%  |
| 26) 1,2-Dichloroethane-d4     | 5.700  | 65    | 38512    | 4.902    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 70 - 130 | Recovery | =      | 98.000%  |
| 32) Benzene-d6                | 5.722  | 84    | 164274   | 4.999    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 70 - 125 | Recovery | =      | 100.000% |
| 36) 1,2-Dichloropropane-d6    | 6.687  | 67    | 49651    | 5.227    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 60 - 140 | Recovery | =      | 104.600% |
| 41) Toluene-d8                | 7.893  | 98    | 143482   | 4.623    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 70 - 130 | Recovery | =      | 92.400%  |
| 43) trans-1,3-Dichloroprop... | 8.176  | 79    | 17907    | 4.667    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 55 - 130 | Recovery | =      | 93.400%  |
| 46) 2-Hexanone-d5             | 8.632  | 63    | 61413    | 53.760   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000 | Range | 45 - 130 | Recovery | =      | 107.520% |
| 56) 1,1,2,2-Tetrachloroeth... | 10.751 | 84    | 35153    | 5.163    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 65 - 120 | Recovery | =      | 103.200% |
| 66) 1,2-Dichlorobenzene-d4    | 12.188 | 152   | 51661    | 5.390    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 80 - 120 | Recovery | =      | 107.800% |
|                               |        |       |          |          |        |          |
| Target Compounds              |        |       |          |          |        | Qvalue   |
| 21) 2-Butanone                | 4.813  | 43    | 18182    | 6.229    | ug/L # | 47       |
| 22) cis-1,2-Dichloroethene    | 4.661  | 96    | 14563    | 1.187    | ug/L   | 92       |
| 30) Cyclohexane               | 5.385  | 56    | 9363     | 0.569    | ug/L   | 98       |
| 34) Trichloroethene           | 6.539  | 95    | 31324    | 2.550    | ug/L   | 99       |
| 35) Methylcyclohexane         | 6.687  | 83    | 11505    | 0.641    | ug/L # | 17       |
| 37) 1,2-Dichloropropane       | 6.690  | 63    | 5223     | 0.435    | ug/L # | 88       |
| 48) 2-Hexanone                | 8.684  | 43    | 2941     | 0.637    | ug/L # | 85       |
| 61) 1,2,3-Trichloropropane    | 11.806 | 75    | 8740     | 1.373    | ug/L # | 63       |
| -----                         |        |       |          |          |        |          |

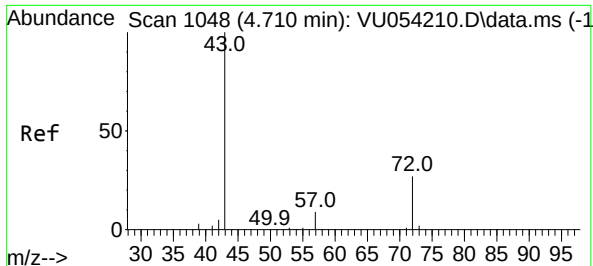
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#21

2-Butanone

Concen: 6.229 ug/L

RT: 4.813 min Scan# 1080

Delta R.T. 0.103 min

Lab File: VU054212.D

Acq: 19 May 2023 12:17

Instrument :

MSVOA\_U

ClientSampleId :

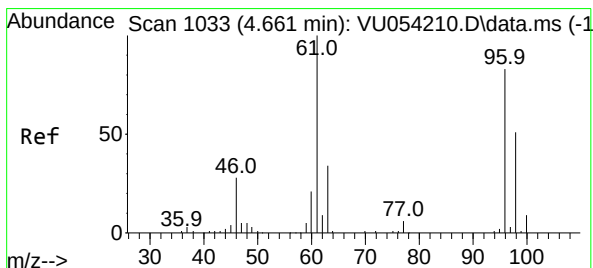
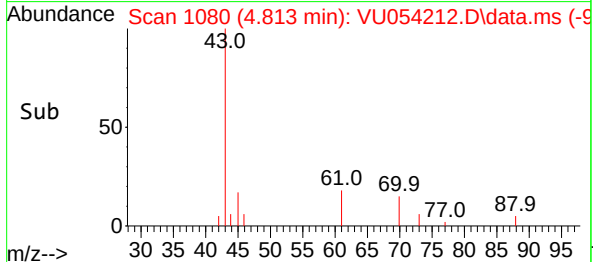
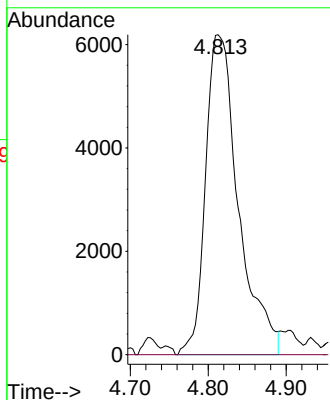
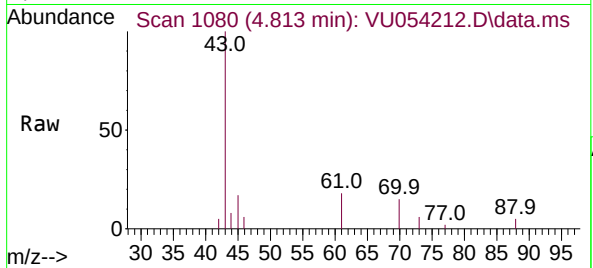
GBWZ1

Tgt Ion: 43 Resp: 18182

Ion Ratio Lower Upper

43 100

72 0.2 14.2 42.8#



#22

cis-1,2-Dichloroethene

Concen: 1.187 ug/L

RT: 4.661 min Scan# 1033

Delta R.T. 0.000 min

Lab File: VU054212.D

Acq: 19 May 2023 12:17

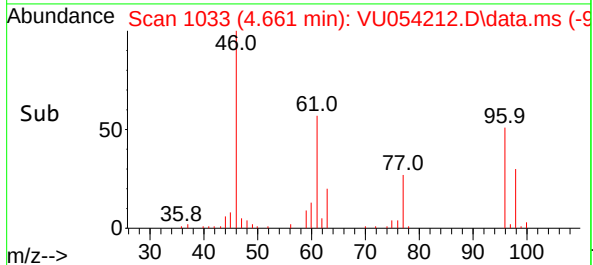
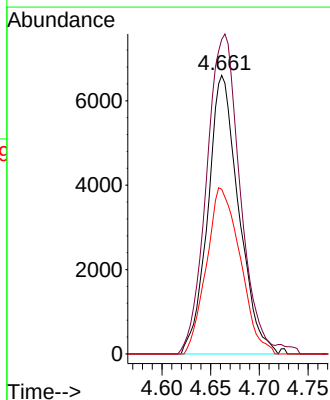
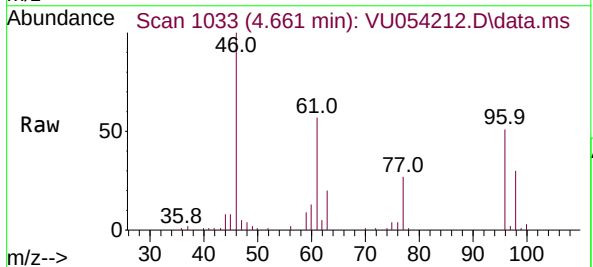
Tgt Ion: 96 Resp: 14563

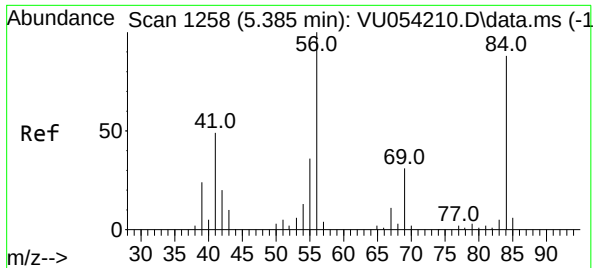
Ion Ratio Lower Upper

96 100

61 112.9 85.0 157.8

98 59.1 45.8 85.0

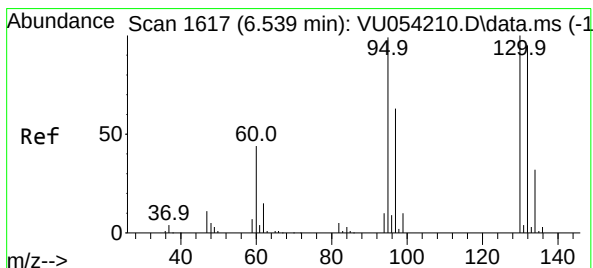
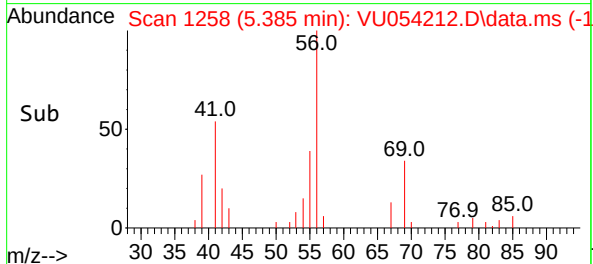
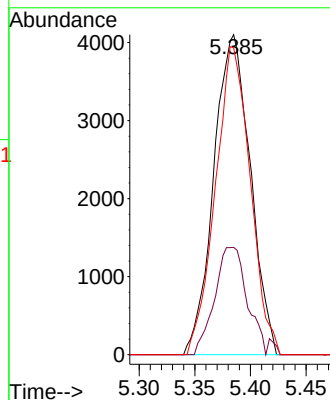
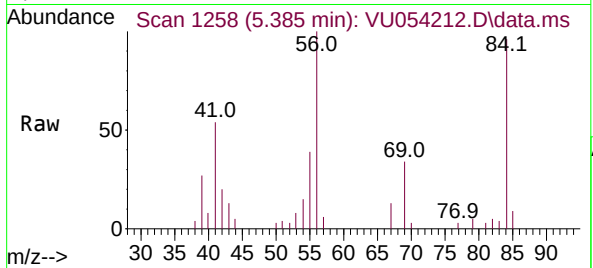




#30  
Cyclohexane  
Concen: 0.569 ug/L  
RT: 5.385 min Scan# 11  
Delta R.T. 0.000 min  
Lab File: VU054212.D  
Acq: 19 May 2023 12:17

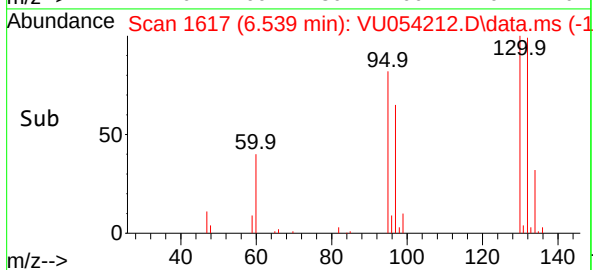
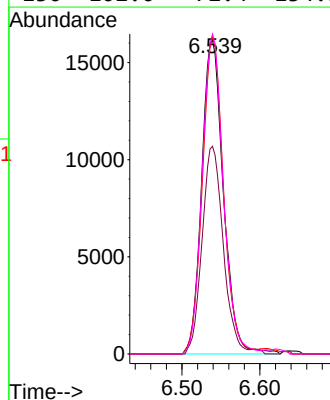
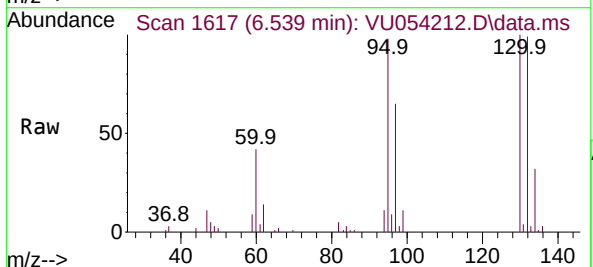
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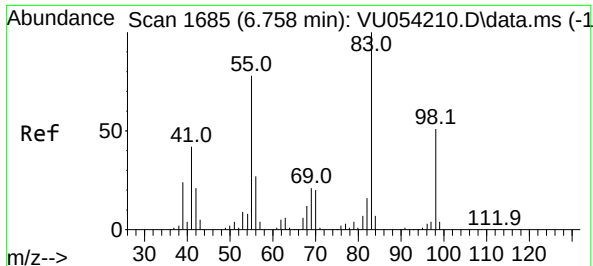
|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 56    | Resp: | 9363  |
| Ion Ratio | Lower | Upper |       |
| 56        | 100   |       |       |
| 69        | 29.8  | 26.2  | 39.4  |
| 84        | 91.8  | 74.2  | 111.4 |



#34  
Trichloroethene  
Concen: 2.550 ug/L  
RT: 6.539 min Scan# 1617  
Delta R.T. 0.000 min  
Lab File: VU054212.D  
Acq: 19 May 2023 12:17

|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 95    | Resp: | 31324 |
| Ion Ratio | Lower | Upper |       |
| 95        | 100   |       |       |
| 97        | 66.2  | 45.8  | 85.0  |
| 132       | 101.0 | 70.1  | 130.3 |
| 130       | 102.0 | 72.4  | 134.5 |





#35

Methylcyclohexane

Concen: 0.641 ug/L

RT: 6.687 min Scan# 1

Delta R.T. -0.071 min

Lab File: VU054212.D

Acq: 19 May 2023 12:17

Instrument :

MSVOA\_U

ClientSampleId :

GBWZ1

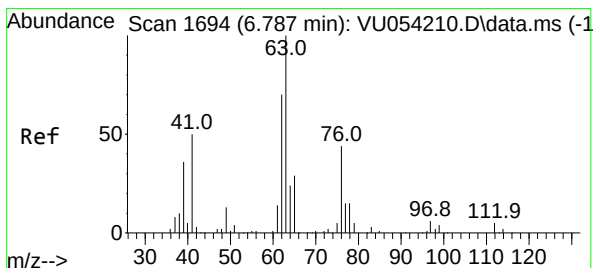
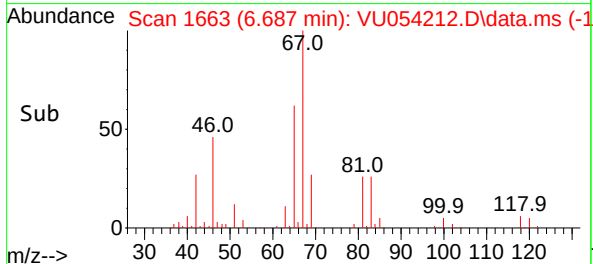
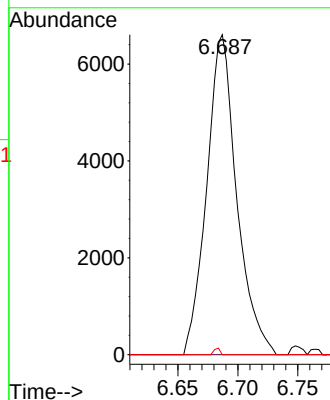
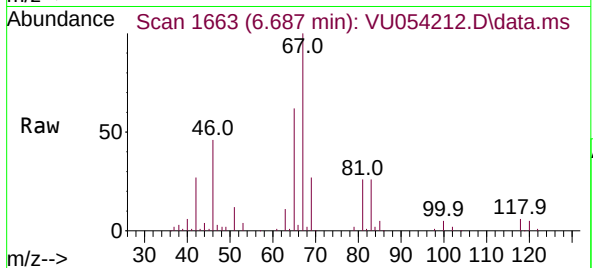
Tgt Ion: 83 Resp: 11505

Ion Ratio Lower Upper

83 100

55 0.0 61.6 92.4#

98 0.4 41.3 61.9#



#37

1,2-Dichloropropane

Concen: 0.435 ug/L

RT: 6.690 min Scan# 1664

Delta R.T. -0.096 min

Lab File: VU054212.D

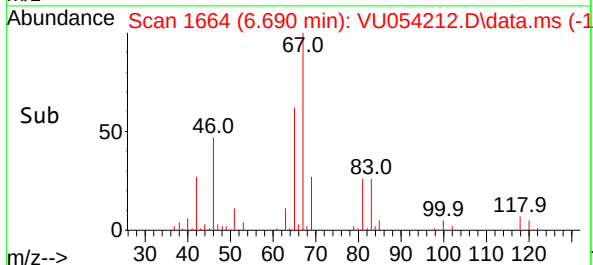
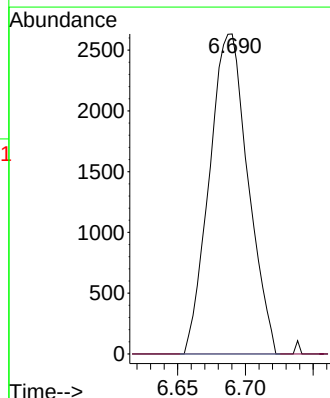
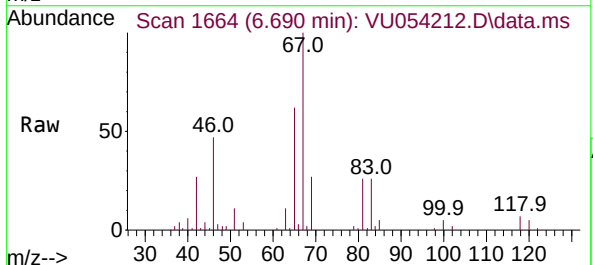
Acq: 19 May 2023 12:17

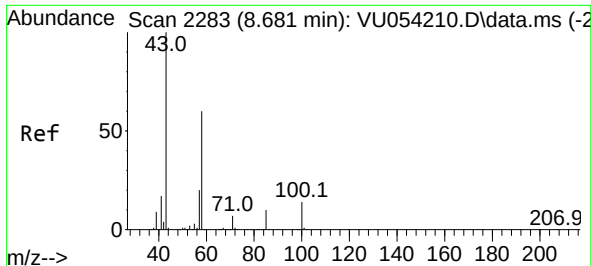
Tgt Ion: 63 Resp: 5223

Ion Ratio Lower Upper

63 100

112 0.0 3.3 4.9#

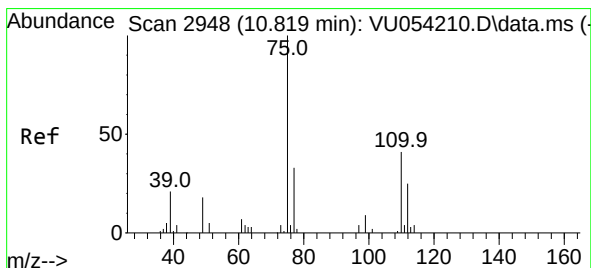
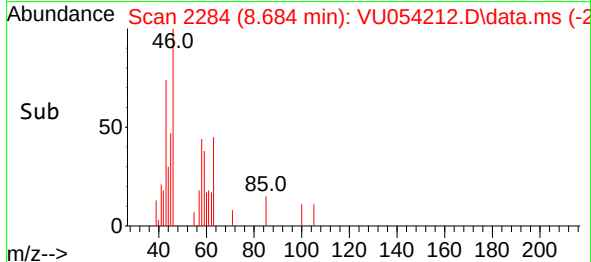
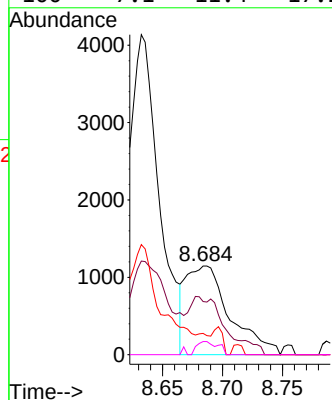
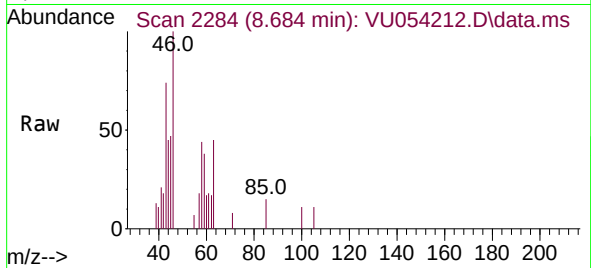




#48  
2-Hexanone  
Concen: 0.637 ug/L  
RT: 8.684 min Scan# 21  
Delta R.T. 0.003 min  
Lab File: VU054212.D  
Acq: 19 May 2023 12:17

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|             |             |
|-------------|-------------|
| Tgt Ion: 43 | Resp: 2941  |
| Ion Ratio   | Lower Upper |
| 43 100      |             |
| 58 53.8     | 48.6 72.8   |
| 57 6.3      | 16.7 25.1#  |
| 100 7.1     | 11.4 17.2#  |



#61  
1,2,3-Trichloropropane  
Concen: 1.373 ug/L  
RT: 11.806 min Scan# 3255  
Delta R.T. 0.987 min  
Lab File: VU054212.D  
Acq: 19 May 2023 12:17

|             |       |       |  |
|-------------|-------|-------|--|
| Tgt Ion: 75 | Resp: | 8740  |  |
| Ion Ratio   | Lower | Upper |  |
| 75 100      |       |       |  |
| 110 0.5     | 32.3  | 48.5# |  |
| 77 35.0     | 26.3  | 39.5  |  |

