

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_U\Data\VU041521\  
 Data File : VU043139.D  
 Acq On : 15 Apr 2021 22:58  
 Operator : SY/MD  
 Sample : M2055-05  
 Misc : 25.0mL/MSVOA\_U/WATER  
 ALS Vial : 33 Sample Multiplier: 1

Instrument :  
 MSVOA\_U  
 ClientSampleId :  
 H4478

Manual Integrations  
 APPROVED

MMDadoda  
 4/19/2021 10:21:12 AM

Quant Time: Apr 16 07:15:49 2021  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_U\Method\SFAMUTR041521WMA.M  
 Quant Title : TRACE VOA SFAM1.0  
 QLast Update : Fri Apr 16 07:14:05 2021  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon  | Response | Conc     | Units | Dev(Min) |
|-------------------------------|--------|-------|----------|----------|-------|----------|
| -----                         |        |       |          |          |       |          |
| Internal Standards            |        |       |          |          |       |          |
| 1) 1,4-Difluorobenzene        | 6.260  | 114   | 65192    | 5.00     | ug/L  | # 0.00   |
| 28) Chlorobenzene-d5          | 9.427  | 117   | 64632    | 5.00     | ug/L  | 0.00     |
| 58) 1,4-Dichlorobenzene-d4    | 11.819 | 152   | 30989    | 5.00     | ug/L  | 0.00     |
|                               |        |       |          |          |       |          |
| System Monitoring Compounds   |        |       |          |          |       |          |
| 4) Vinyl Chloride-d3          | 1.601  | 65    | 18385    | 5.55     | ug/L  | 0.00     |
| Spiked Amount                 | 5.000  | Range | 40 - 130 | Recovery | =     | 111.00%  |
| 7) Chloroethane-d5            | 1.919  | 69    | 17384    | 5.57     | ug/L  | 0.00     |
| Spiked Amount                 | 5.000  | Range | 65 - 130 | Recovery | =     | 111.40%  |
| 11) 1,1-Dichloroethene-d2     | 2.572  | 65    | 11375    | 5.93     | ug/L  | 0.00     |
| Spiked Amount                 | 5.000  | Range | 60 - 125 | Recovery | =     | 118.60%  |
| 20) 2-Butanone-d5             | 4.642  | 46    | 96514m   | 66.38    | ug/L  | 0.00     |
| Spiked Amount                 | 50.000 | Range | 40 - 130 | Recovery | =     | 132.76%# |
| 24) Chloroform-d              | 5.073  | 84    | 48013    | 5.70     | ug/L  | 0.00     |
| Spiked Amount                 | 5.000  | Range | 70 - 125 | Recovery | =     | 114.00%  |
| 26) 1,2-Dichloroethane-d4     | 5.710  | 65    | 32657    | 5.73     | ug/L  | 0.00     |
| Spiked Amount                 | 5.000  | Range | 70 - 130 | Recovery | =     | 114.60%  |
| 32) Benzene-d6                | 5.735  | 84    | 87706    | 5.83     | ug/L  | 0.00     |
| Spiked Amount                 | 5.000  | Range | 70 - 125 | Recovery | =     | 116.60%  |
| 36) 1,2-Dichloropropane-d6    | 6.700  | 67    | 29624    | 5.94     | ug/L  | 0.00     |
| Spiked Amount                 | 5.000  | Range | 60 - 140 | Recovery | =     | 118.80%  |
| 41) Toluene-d8                | 7.906  | 98    | 80450    | 5.14     | ug/L  | 0.00     |
| Spiked Amount                 | 5.000  | Range | 70 - 130 | Recovery | =     | 102.80%  |
| 43) trans-1,3-Dichloroprop... | 8.189  | 79    | 11557    | 5.24     | ug/L  | 0.00     |
| Spiked Amount                 | 5.000  | Range | 55 - 130 | Recovery | =     | 104.80%  |
| 46) 2-Hexanone-d5             | 8.645  | 63    | 69042    | 62.81    | ug/L  | 0.00     |
| Spiked Amount                 | 50.000 | Range | 45 - 130 | Recovery | =     | 125.62%  |
| 56) 1,1,2,2-Tetrachloroeth... | 10.764 | 84    | 26183    | 5.96     | ug/L  | 0.00     |
| Spiked Amount                 | 5.000  | Range | 65 - 120 | Recovery | =     | 119.20%  |
| 66) 1,2-Dichlorobenzene-d4    | 12.201 | 152   | 32550    | 6.13     | ug/L  | 0.00     |
| Spiked Amount                 | 5.000  | Range | 80 - 120 | Recovery | =     | 122.60%# |
|                               |        |       |          |          |       |          |
| Target Compounds              |        |       |          |          |       | Qvalue   |
| 2) Dichlorodifluoromethane    | 1.392  | 85    | 910      | 0.22     | ug/L  | 90       |
| 13) Acetone                   | 2.658  | 43    | 2718m    | 2.54     | ug/L  |          |
| 17) Methyl tert-butyl Ether   | 3.372  | 73    | 89530    | 7.56     | ug/L  | # 93     |
| 19) 1,1-Dichloroethane        | 3.880  | 63    | 879      | 0.10     | ug/L  | # 82     |
| 22) cis-1,2-Dichloroethene    | 4.678  | 96    | 3555     | 0.78     | ug/L  | 98       |
| 25) Chloroform                | 5.102  | 83    | 1816     | 0.20     | ug/L  | 82       |
| 34) Trichloroethene           | 6.552  | 95    | 12408    | 2.61     | ug/L  | 95       |
| 47) Tetrachloroethene         | 8.562  | 164   | 69818    | 18.50    | ug/L  | 94       |
| -----                         |        |       |          |          |       |          |

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

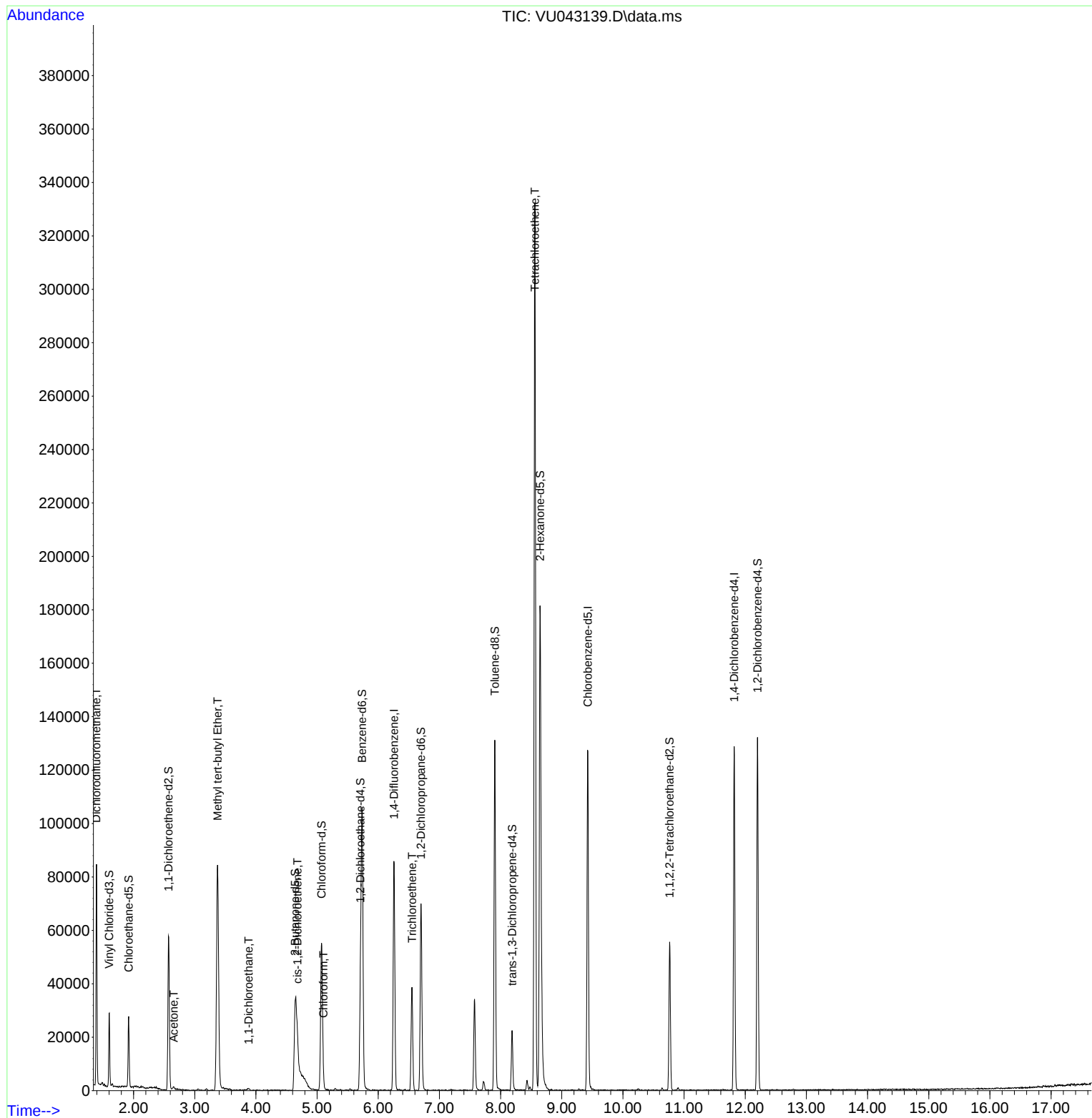
Data Path : Z:\voasrv\HPCHEM1\MSVOA\_U\Data\VU041521\  
Data File : VU043139.D  
Acq On : 15 Apr 2021 22:58  
Operator : SY/MD  
Sample : M2055-05  
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ALS Vial : 33 Sample Multiplier: 1

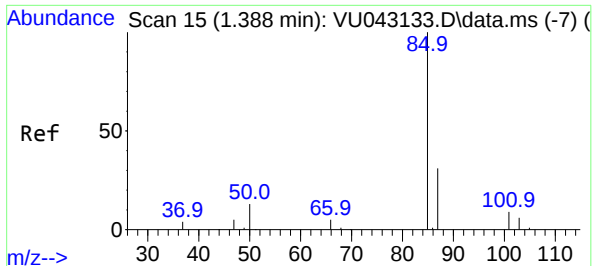
Instrument :  
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ClientSampleId :  
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Quant Time: Apr 16 07:15:49 2021  
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_U\Method\SFAMUTR041521WMA.M  
Quant Title : TRACE VOA SFAM1.0  
QLast Update : Fri Apr 16 07:14:05 2021  
Response via : Initial Calibration





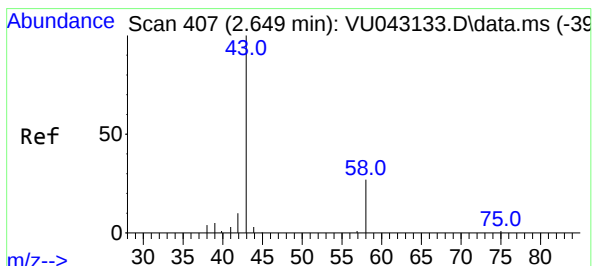
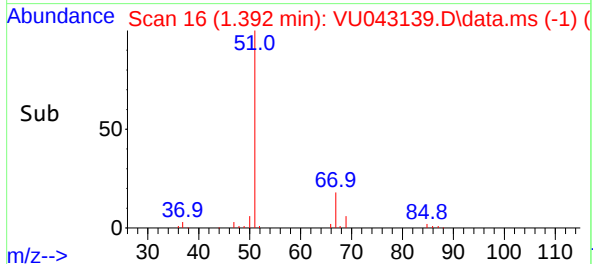
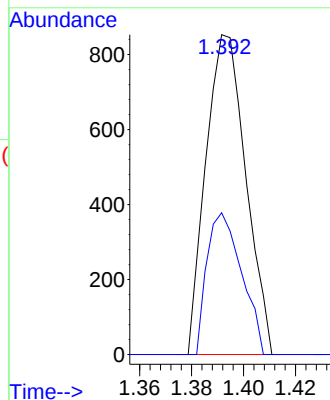
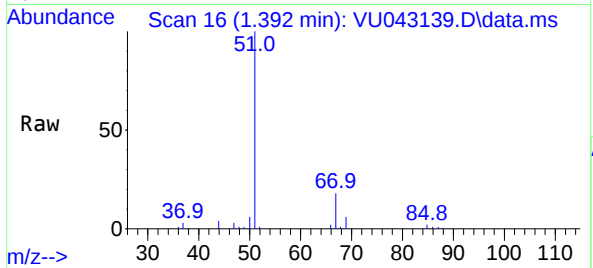
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Dichlorodifluoromethane  
Concen: 0.22 ug/L  
RT: 1.392 min Scan# 16  
Delta R.T. 0.003 min  
Lab File: VU043139.D  
Acq: 15 Apr 2021 22:58

Tgt Ion: 85 Resp: 910  
Ion Ratio Lower Upper  
85 100  
87 38.5 26.3 39.5

Instrument :  
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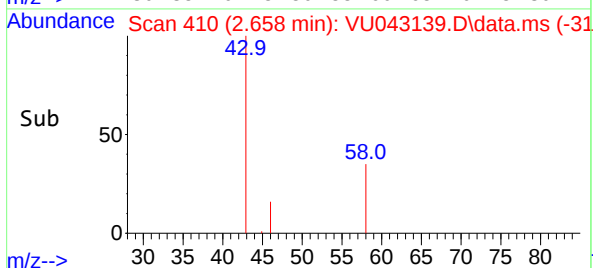
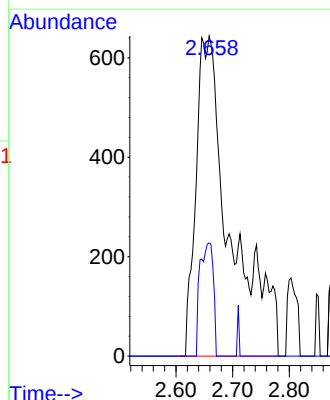
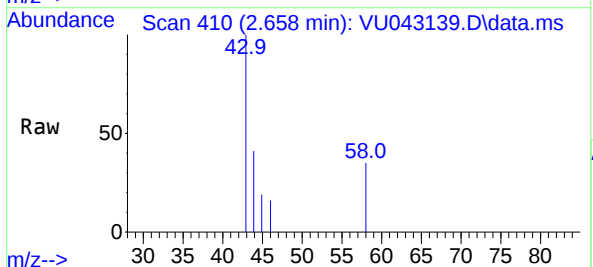
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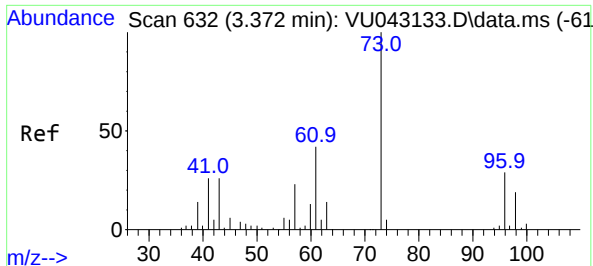
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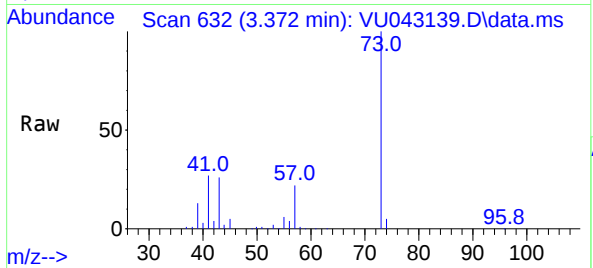
#13  
Acetone  
Concen: 2.54 ug/L m  
RT: 2.658 min Scan# 410  
Delta R.T. 0.010 min  
Lab File: VU043139.D  
Acq: 15 Apr 2021 22:58

Tgt Ion: 43 Resp: 2718  
Ion Ratio Lower Upper  
43 100  
58 0.7 0.0 25.0

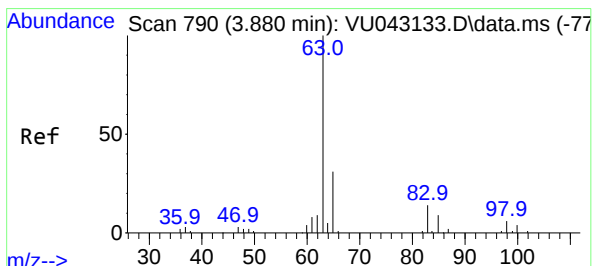
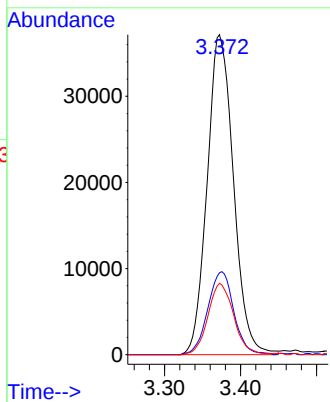
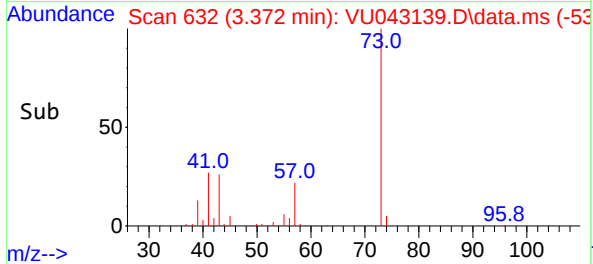




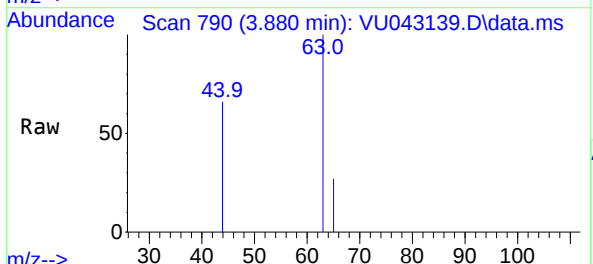
#17  
Methyl tert-butyl Ether  
Concen: 7.56 ug/L  
RT: 3.372 min Scan# 632  
Delta R.T. 0.000 min  
Lab File: VU043139.D  
Acq: 15 Apr 2021 22:58



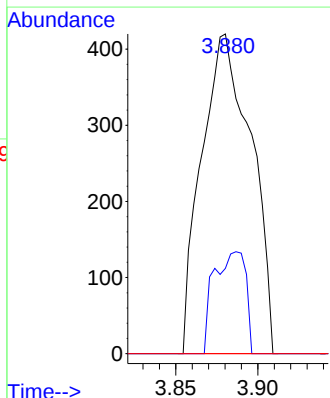
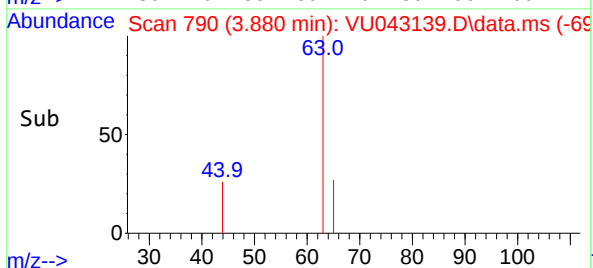
Tgt Ion: 73 Resp: 89530  
Ion Ratio Lower Upper  
73 100  
43 25.6 15.0 22.4#  
57 21.7 17.3 25.9



#19  
1,1-Dichloroethane  
Concen: 0.10 ug/L  
RT: 3.880 min Scan# 790  
Delta R.T. 0.000 min  
Lab File: VU043139.D  
Acq: 15 Apr 2021 22:58



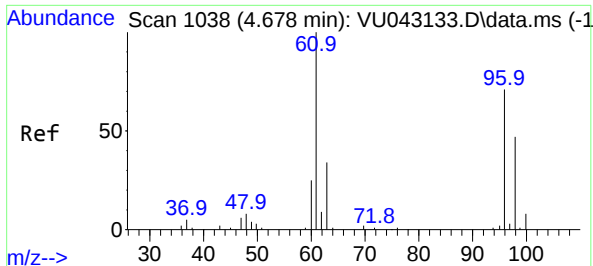
Tgt Ion: 63 Resp: 879  
Ion Ratio Lower Upper  
63 100  
65 26.7 23.2 43.0  
83 0.0 9.9 18.3#



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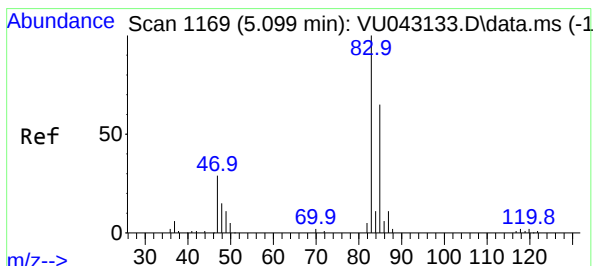
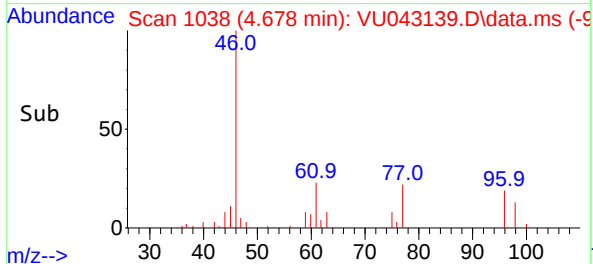
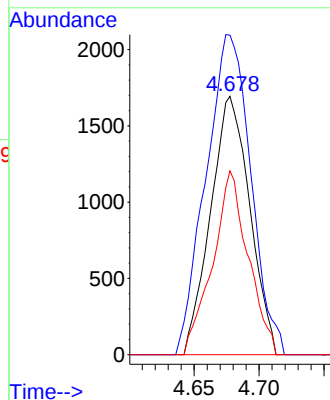
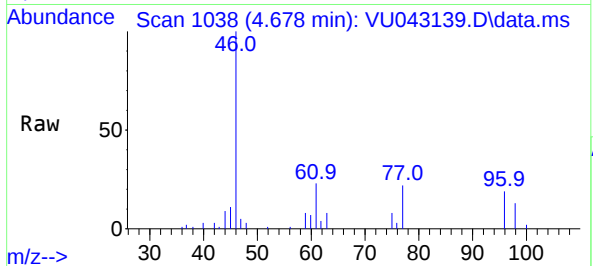
#22  
cis-1,2-Dichloroethene  
Concen: 0.78 ug/L  
RT: 4.678 min Scan# 1038  
Delta R.T. 0.000 min  
Lab File: VU043139.D  
Acq: 15 Apr 2021 22:58

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 96    | Resp: | 3555  |
| Ion      | Ratio | Lower | Upper |
| 96       | 100   |       |       |
| 61       | 123.7 | 87.4  | 162.4 |
| 98       | 71.1  | 47.7  | 88.5  |

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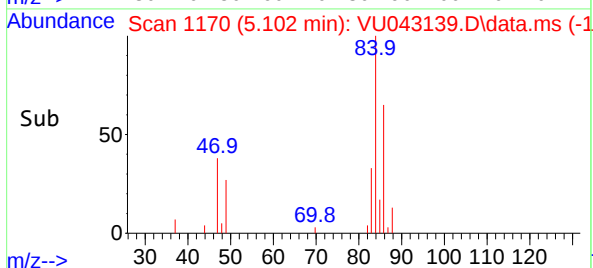
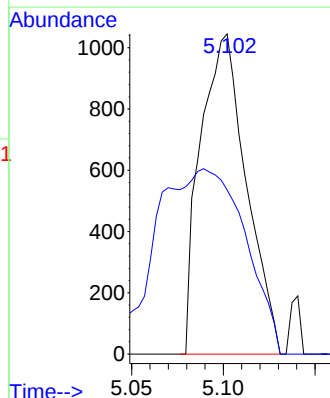
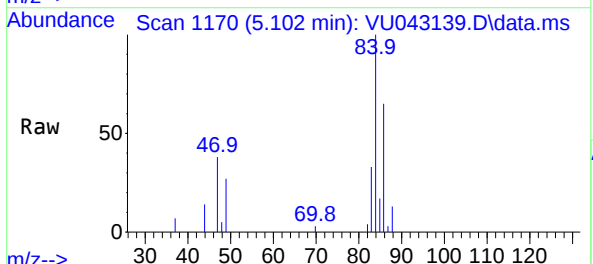
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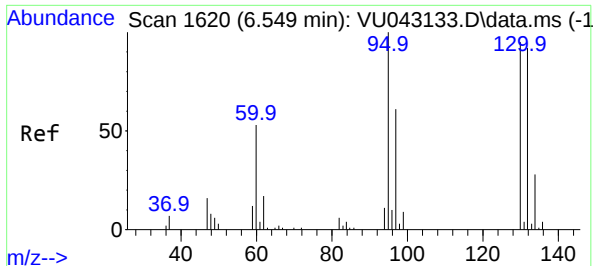
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4/19/2021 10:21:12 AM



#25  
Chloroform  
Concen: 0.20 ug/L  
RT: 5.102 min Scan# 1170  
Delta R.T. 0.003 min  
Lab File: VU043139.D  
Acq: 15 Apr 2021 22:58

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 83    | Resp: | 1816  |
| Ion      | Ratio | Lower | Upper |
| 83       | 100   |       |       |
| 85       | 51.3  | 45.6  | 84.8  |





#34

Trichloroethene

Concen: 2.61 ug/L

RT: 6.552 min Scan# 1621

Delta R.T. 0.003 min

Lab File: VU043139.D

Acq: 15 Apr 2021 22:58

Tgt Ion: 95 Resp: 12408

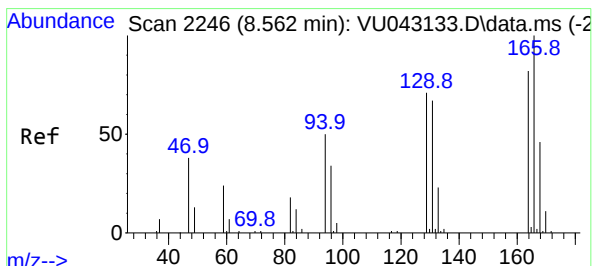
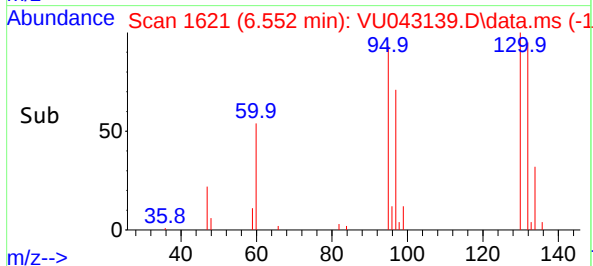
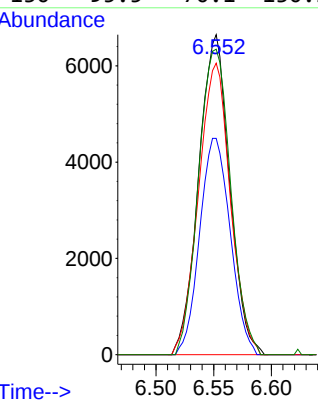
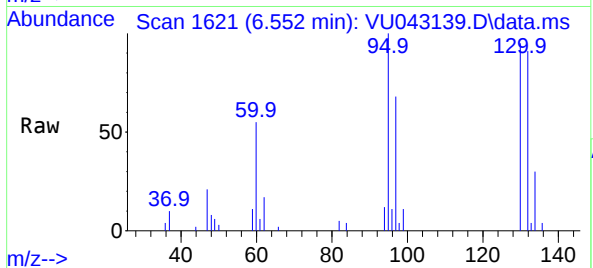
Ion Ratio Lower Upper

95 100

97 67.6 45.8 85.2

132 91.1 68.7 127.7

130 95.5 70.1 130.3



#47

Tetrachloroethene

Concen: 18.50 ug/L

RT: 8.562 min Scan# 2246

Delta R.T. 0.000 min

Lab File: VU043139.D

Acq: 15 Apr 2021 22:58

Tgt Ion: 164 Resp: 69818

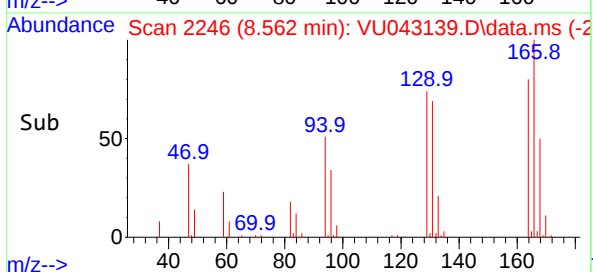
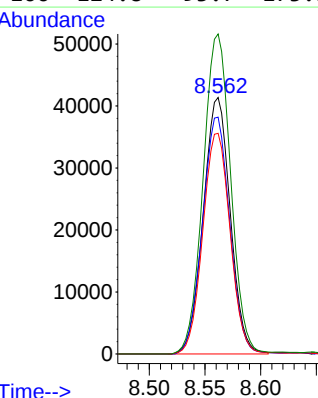
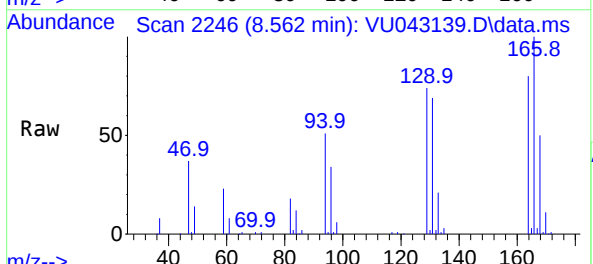
Ion Ratio Lower Upper

164 100

129 92.3 66.6 123.8

131 86.1 65.9 122.3

166 124.8 93.7 173.9



Instrument :

MSVOA\_U

ClientSampled :

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