

Data Path : Z:\VOASRV\HPCHEM1\MSVOA\_U\DATA\VU072420\  
 Data File : VU039672.D  
 Acq On : 24 Jul 2020 18:24  
 Operator : SY/MD  
 Sample : L3422-06  
 Misc : 5.0mL/MSVOA\_U/WATER  
 ALS Vial : 19 Sample Multiplier: 1

Instrument :  
 MSVOA\_U  
 ClientSampleId :  
 F4C77

Quant Time: Jul 25 07:38:39 2020  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_U\METHOD\SOMULM072320WMA.M  
 Quant Title : VOC Analysis  
 QLast Update : Sat Jul 25 06:47:25 2020  
 Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|----------------------------|-------|------|----------|-------|-------|----------|
| 1) 1,4-Difluorobenzene     | 6.27  | 114  | 208382   | 50.00 | ug/L  | 0.00     |
| 28) Chlorobenzene-d5       | 9.42  | 117  | 200228   | 50.00 | ug/L  | 0.00     |
| 60) 1,4-Dichlorobenzene-d4 | 11.81 | 152  | 90665    | 50.00 | ug/L  | 0.00     |

## System Monitoring Compounds

|                                |         |       |          |          |      |         |
|--------------------------------|---------|-------|----------|----------|------|---------|
| 4) Vinyl Chloride-d3           | 1.61    | 65    | 50293    | 37.07    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 60 - 135 | Recovery | =    | 74.14%  |
| 7) Chloroethane-d5             | 1.92    | 69    | 54567    | 33.56    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 70 - 130 | Recovery | =    | 67.12%# |
| 11) 1,1-Dichloroethene-d2      | 2.58    | 63    | 131944   | 45.95    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 60 - 125 | Recovery | =    | 91.90%  |
| 21) 2-Butanone-d5              | 4.65    | 46    | 133261   | 85.09    | ug/L | 0.00    |
| Spiked Amount                  | 100.000 | Range | 40 - 130 | Recovery | =    | 85.09%  |
| 24) Chloroform-d               | 5.08    | 84    | 121161   | 39.72    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 70 - 125 | Recovery | =    | 79.44%  |
| 26) 1,2-Dichloroethane-d4      | 5.72    | 65    | 90805    | 41.65    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 70 - 125 | Recovery | =    | 83.30%  |
| 32) Benzene-d6                 | 5.75    | 84    | 232255   | 41.78    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 70 - 125 | Recovery | =    | 83.56%  |
| 36) 1,2-Dichloropropane-d6     | 6.71    | 67    | 78212    | 42.90    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 70 - 120 | Recovery | =    | 85.80%  |
| 41) Toluene-d8                 | 7.91    | 98    | 212986   | 40.71    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 80 - 120 | Recovery | =    | 81.42%  |
| 43) trans-1,3-Dichloropropene- | 8.19    | 79    | 35072    | 38.11    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 60 - 125 | Recovery | =    | 76.22%  |
| 47) 2-Hexanone-d5              | 8.64    | 63    | 84448    | 84.91    | ug/L | 0.00    |
| Spiked Amount                  | 100.000 | Range | 45 - 130 | Recovery | =    | 84.91%  |
| 57) 1,1,2,2-Tetrachloroethane- | 10.76   | 84    | 117243   | 40.61    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 65 - 120 | Recovery | =    | 81.22%  |
| 64) 1,2-Dichlorobenzene-d4     | 12.19   | 152   | 85428    | 43.09    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 80 - 120 | Recovery | =    | 86.18%  |

## Target Compounds

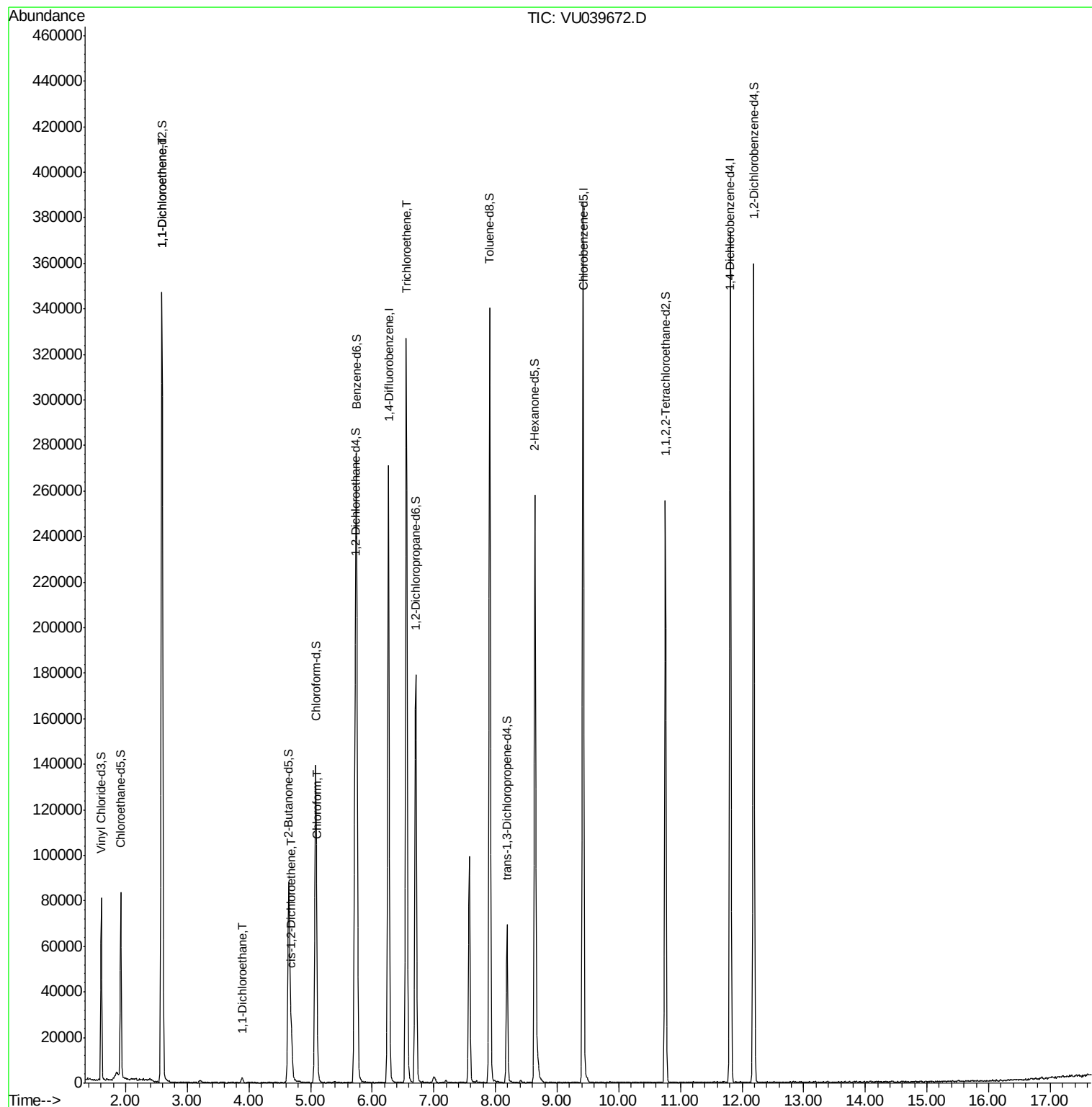
|                            |      |    |        |              | Qvalue |
|----------------------------|------|----|--------|--------------|--------|
| 12) 1,1-Dichloroethene     | 2.59 | 96 | 80692  | 67.880 ug/L  | 83     |
| 19) 1,1-Dichloroethane     | 3.89 | 63 | 2782   | 1.078 ug/L # | 87     |
| 20) cis-1,2-Dichloroethene | 4.69 | 96 | 7633   | 5.049 ug/L   | 100    |
| 25) Chloroform             | 5.11 | 83 | 4702   | 1.642 ug/L   | 79     |
| 34) Trichloroethene        | 6.56 | 95 | 107732 | 73.808 ug/L  | 98     |

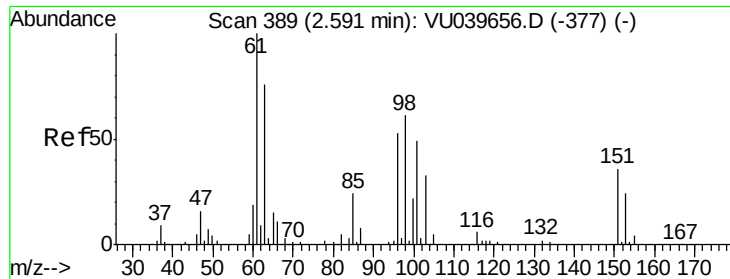
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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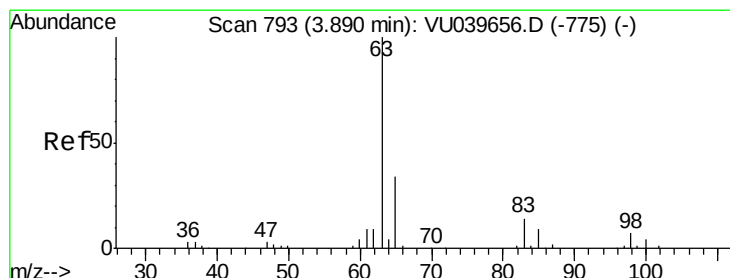
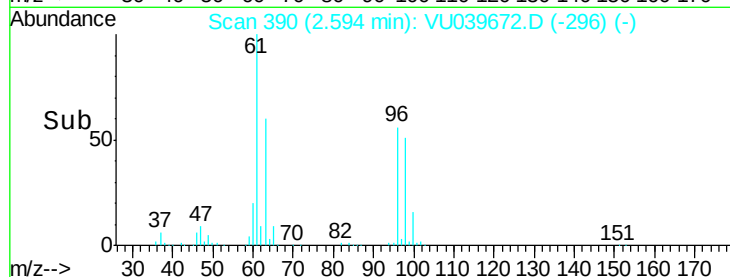
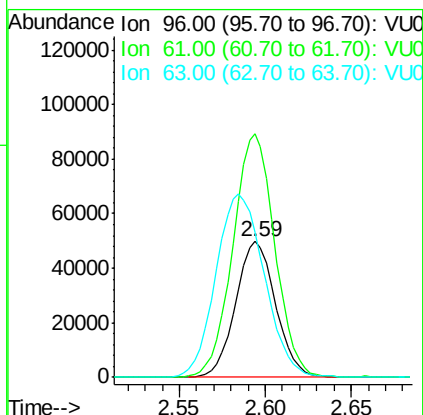
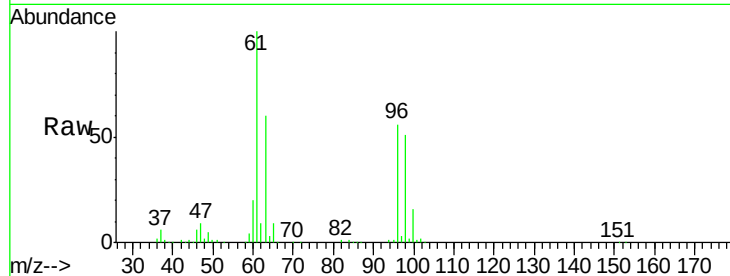




#12  
 1,1-Dichloroethene  
 Concen: 67.880 ug/L  
 RT: 2.59 min Scan# 390  
 Delta R.T. 0.00 min  
 Lab File: VU039672.D  
 Acq: 24 Jul 2020 18:24

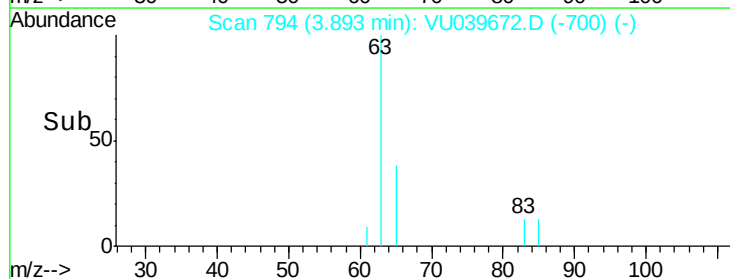
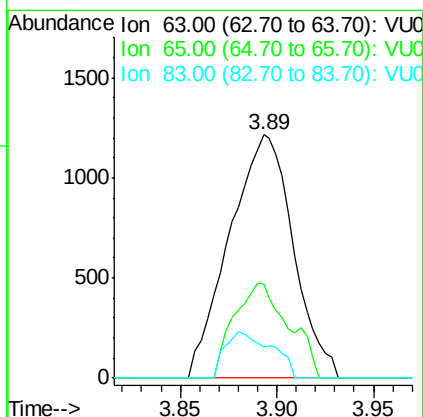
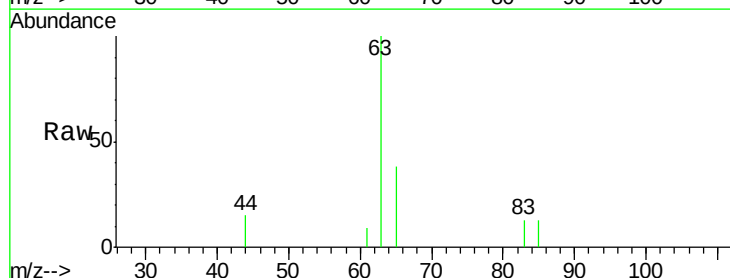
Instrument :  
 MSVOA\_U  
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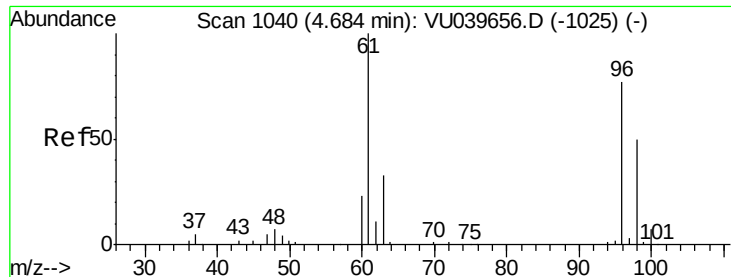
Tgt Ion: 96 Resp: 80692  
 Ion Ratio Lower Upper  
 96 100  
 61 179.2 136.6 253.6  
 63 107.0 97.2 180.6



#19  
 1,1-Dichloroethane  
 Concen: 1.078 ug/L  
 RT: 3.89 min Scan# 794  
 Delta R.T. 0.00 min  
 Lab File: VU039672.D  
 Acq: 24 Jul 2020 18:24

Tgt Ion: 63 Resp: 2782  
 Ion Ratio Lower Upper  
 63 100  
 65 38.5 20.4 38.0#  
 83 12.9 9.7 18.1

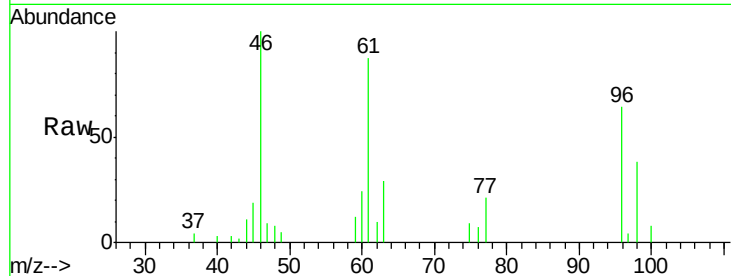




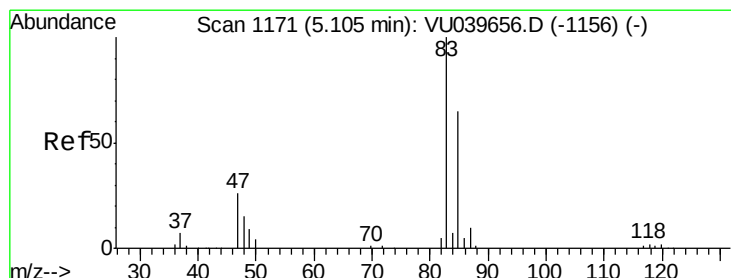
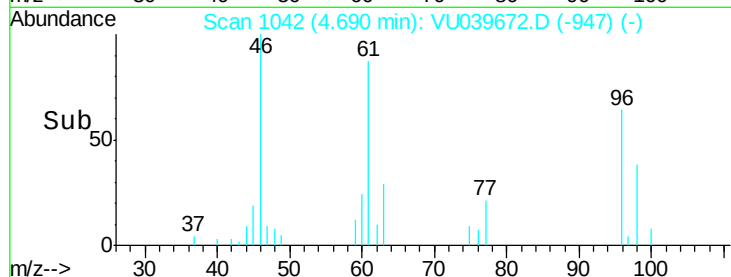
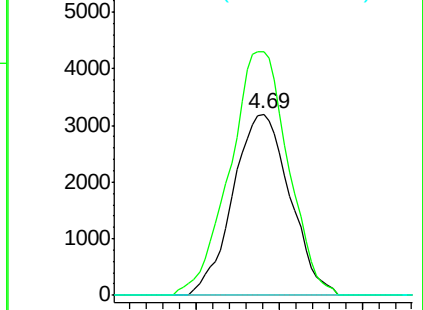
#20  
 cis-1,2-Dichloroethene  
 Concen: 5.049 ug/L  
 RT: 4.69 min Scan# 1042  
 Delta R.T. 0.01 min  
 Lab File: VU039672.D  
 Acq: 24 Jul 2020 18:24

Instrument :  
 MSVOA\_U  
 ClientSampleId :  
 F4C77

Tgt Ion: 96 Resp: 7633  
 Ion Ratio Lower Upper  
 96 100  
 61 134.5 94.0 174.6  
 68 0.0 0.0 0.0

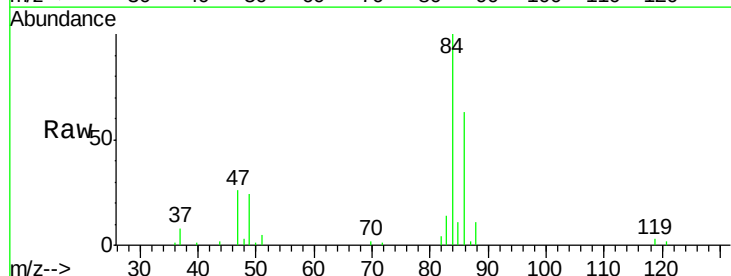


Abundance Ion 96.00 (95.70 to 96.70): VU0  
 Ion 61.00 (60.70 to 61.70): VU0  
 Ion 68.00 (67.70 to 68.70): VU0

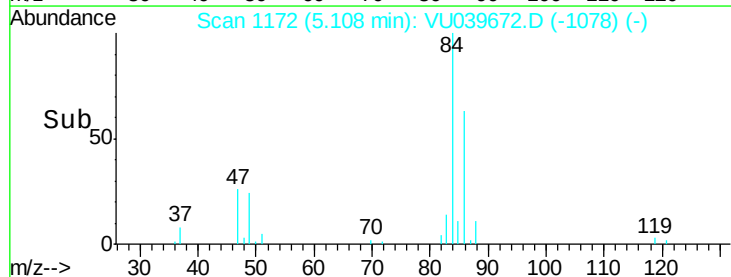
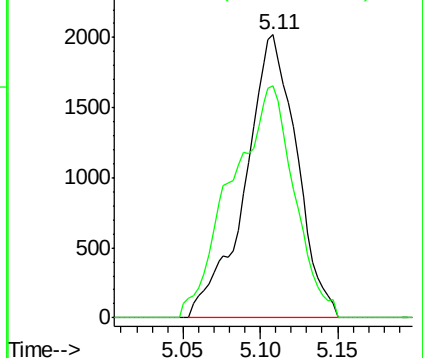


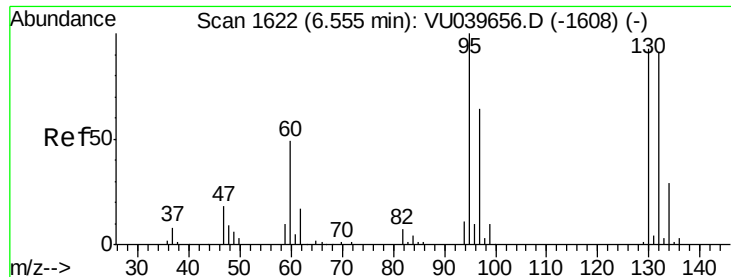
#25  
 Chloroform  
 Concen: 1.642 ug/L  
 RT: 5.11 min Scan# 1172  
 Delta R.T. 0.00 min  
 Lab File: VU039672.D  
 Acq: 24 Jul 2020 18:24

Tgt Ion: 83 Resp: 4702  
 Ion Ratio Lower Upper  
 83 100  
 85 82.0 45.6 84.6



Abundance Ion 83.00 (82.70 to 83.70): VU0  
 Ion 85.00 (84.70 to 85.70): VU0





#34

Trichloroethene

Concen: 73.808 ug/L

RT: 6.56 min Scan# 1622

Delta R.T. 0.00 min

Lab File: VU039672.D

Acq: 24 Jul 2020 18:24

Instrument :

MSVOA\_U

ClientSampleId :

F4C77

Tgt Ion: 95 Resp: 107732

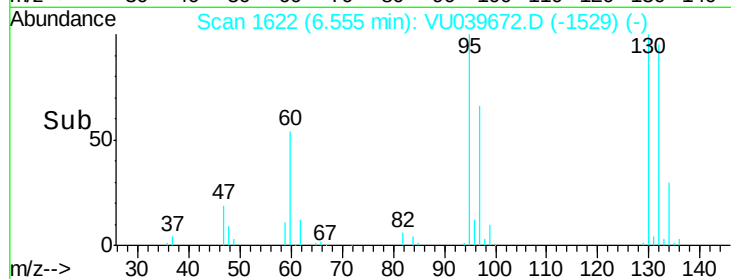
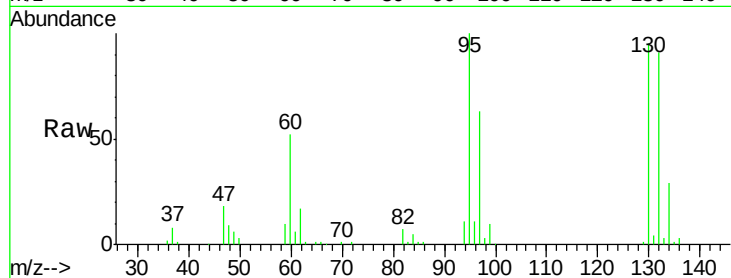
Ion Ratio Lower Upper

95 100

97 63.2 45.5 84.5

132 90.8 65.0 120.6

130 95.1 67.9 126.1



Abundance Ion 95.00 (94.70 to 95.70): VU0

Ion 97.00 (96.70 to 97.70): VU0

Ion 132.00 (131.70 to 132.70): V

Ion 130.00 (129.70 to 130.70): V

