

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU051820\  
 Data File : VU038222.D  
 Acq On : 18 May 2020 16:10  
 Operator : JC/MD  
 Sample : VIBLK  
 Misc : 25.0mL/MSVOA U/WATER  
 ALS Vial : 1 Sample Multiplier: 1

Instrument :  
 MSVOA\_U  
 ClientSampleId :

Quant Time: May 18 22:26:32 2020  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_U\METHOD\SOMUTR050720WMA.M  
 Quant Title : TRACE VOA SOM01.0  
 QLast Update : Mon May 18 22:23:30 2020  
 Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc | Units | Dev(Min) |
|----------------------------|-------|------|----------|------|-------|----------|
| 1) 1,4-Difluorobenzene     | 6.28  | 114  | 324975   | 5.00 | ug/L  | 0.00     |
| 28) Chlorobenzene-d5       | 9.44  | 117  | 317391   | 5.00 | ug/L  | 0.00     |
| 60) 1,4-Dichlorobenzene-d4 | 11.83 | 152  | 152754   | 5.00 | ug/L  | 0.00     |

## System Monitoring Compounds

|                                |        |       |          |          |      |         |
|--------------------------------|--------|-------|----------|----------|------|---------|
| 4) Vinyl Chloride-d3           | 1.61   | 65    | 164154   | 5.52     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 40 - 130 | Recovery | =    | 110.40% |
| 7) Chloroethane-d5             | 1.93   | 69    | 133296   | 5.18     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 65 - 130 | Recovery | =    | 103.60% |
| 11) 1,1-Dichloroethene-d2      | 2.59   | 63    | 196446   | 3.95     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 60 - 125 | Recovery | =    | 79.00%  |
| 20) 2-Butanone-d5              | 4.68   | 46    | 438914   | 59.85    | ug/L | 0.00    |
| Spiked Amount                  | 50.000 | Range | 40 - 130 | Recovery | =    | 119.70% |
| 24) Chloroform-d               | 5.10   | 84    | 233337   | 5.17     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 70 - 125 | Recovery | =    | 103.40% |
| 26) 1,2-Dichloroethane-d4      | 5.74   | 65    | 141811   | 5.49     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 70 - 130 | Recovery | =    | 109.80% |
| 32) Benzene-d6                 | 5.76   | 84    | 509971   | 5.36     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 70 - 125 | Recovery | =    | 107.20% |
| 36) 1,2-Dichloropropane-d6     | 6.72   | 67    | 161324   | 5.26     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 60 - 140 | Recovery | =    | 105.20% |
| 41) Toluene-d8                 | 7.93   | 98    | 444893   | 5.21     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 70 - 130 | Recovery | =    | 104.20% |
| 43) trans-1,3-Dichloropropene- | 8.20   | 79    | 62921    | 5.12     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 55 - 130 | Recovery | =    | 102.40% |
| 46) 2-Hexanone-d5              | 8.66   | 63    | 326104   | 56.16    | ug/L | 0.00    |
| Spiked Amount                  | 50.000 | Range | 45 - 130 | Recovery | =    | 112.32% |
| 57) 1,1,2,2-Tetrachloroethane- | 10.77  | 84    | 131309   | 5.42     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 65 - 120 | Recovery | =    | 108.40% |
| 64) 1,2-Dichlorobenzene-d4     | 12.21  | 152   | 160222   | 5.39     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 80 - 120 | Recovery | =    | 107.80% |

## Target Compounds

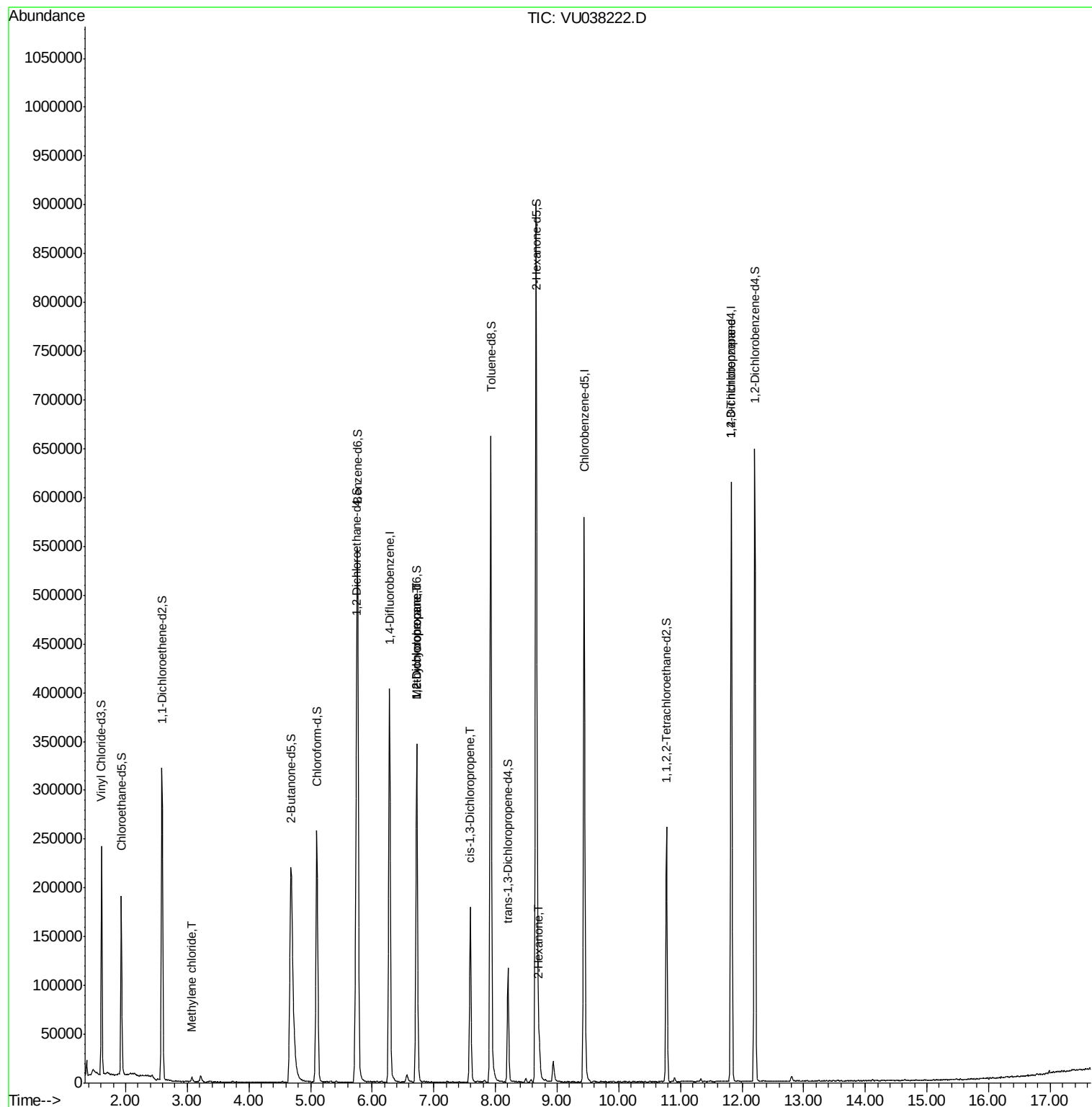
|                             |       |    |       |              | Ovalue |
|-----------------------------|-------|----|-------|--------------|--------|
| 16) Methylene chloride      | 3.07  | 84 | 2217  | 0.084 ug/L   | 80     |
| 35) Methylcyclohexane       | 6.72  | 83 | 36839 | 0.895 ug/L # | 16     |
| 37) 1,2-Dichloropropane     | 6.72  | 63 | 17728 | 0.642 ug/L # | 88     |
| 39) cis-1,3-Dichloropropene | 7.59  | 75 | 4047  | 0.102 ug/L # | 53     |
| 48) 2-Hexanone              | 8.71  | 43 | 21627 | 1.543 ug/L # | 94     |
| 59) 1,2,3-Trichloropropane  | 11.83 | 75 | 20859 | 1.126 ug/L   | 90     |

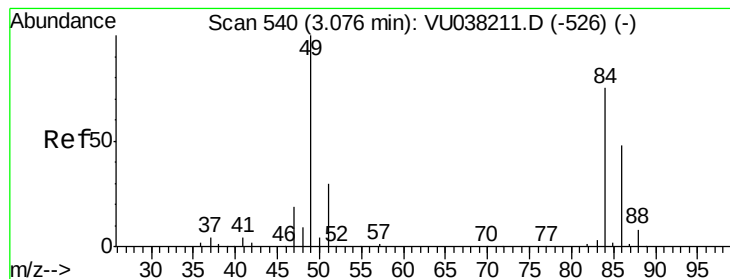
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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MSVOA\_U  
ClientSampleId :

Quant Time: May 18 22:26:32 2020  
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA\_U\METHOD\SOMUTR050720WMA.M  
Quant Title : TRACE VOA SOM01.0  
QLast Update : Mon May 18 22:23:30 2020  
Response via : Initial Calibration





#16

Methylene chloride

Concen: 0.084 ug/L

RT: 3.07 min Scan# 539

Delta R.T. -0.00 min

Lab File: VU038222.D

Acq: 18 May 2020 16:10

Instrument :

MSVOA\_U

ClientSampleId :

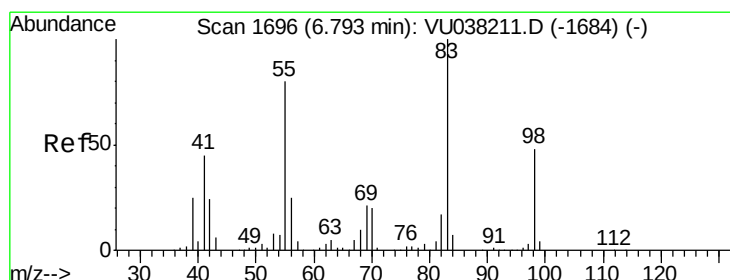
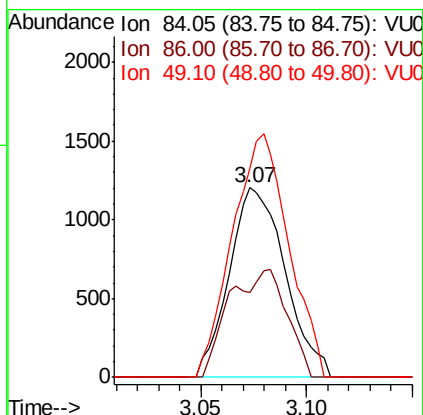
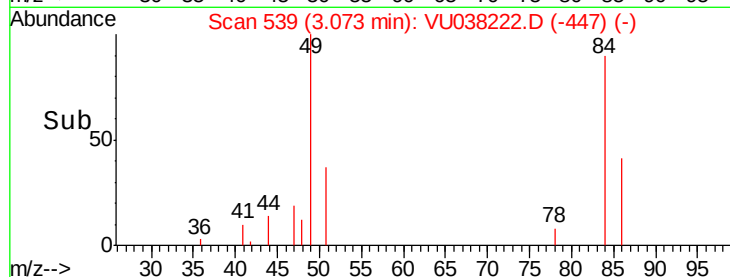
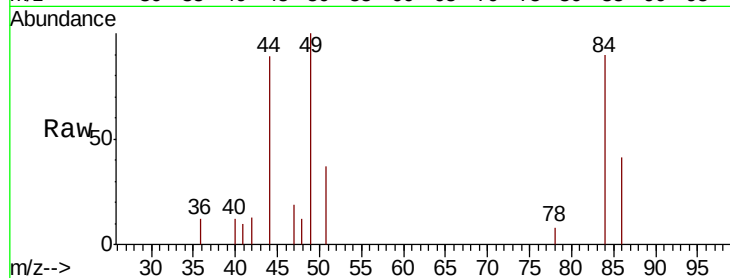
Tot Ion: 84 Resp: 2217

Ion Ratio Lower Upper

84 100

86 44.9 44.9 83.3

49 110.5 92.0 170.9



#35

Methylcyclohexane

Concen: 0.895 ug/L

RT: 6.72 min Scan# 1674

Delta R.T. -0.07 min

Lab File: VU038222.D

Acq: 18 May 2020 16:10

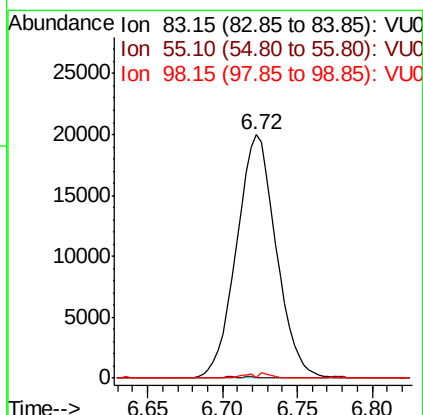
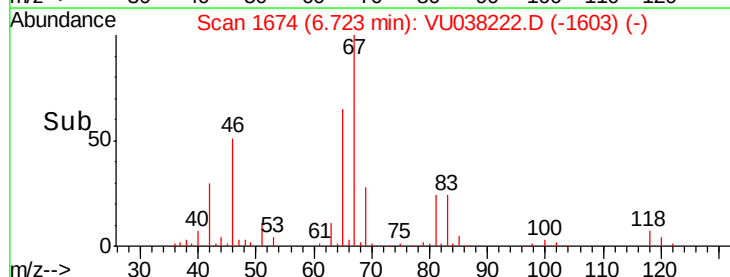
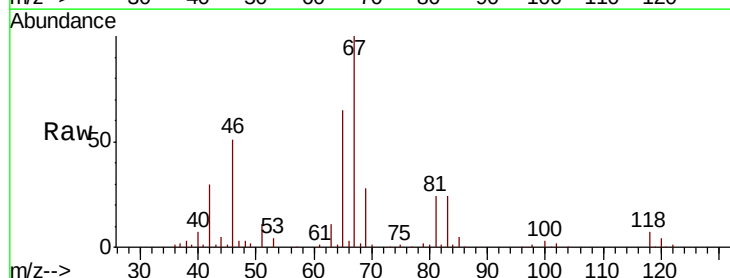
Tgt Ion: 83 Resp: 36839

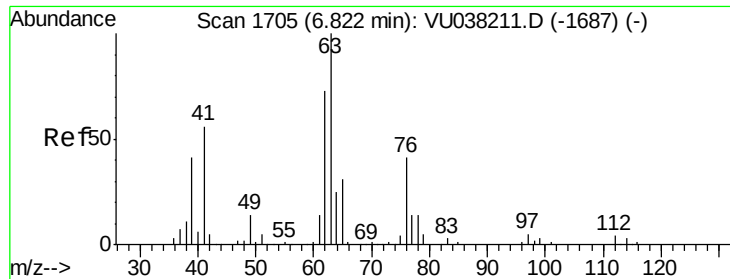
Ion Ratio Lower Upper

83 100

55 0.2 66.7 100.1#

98 0.6 39.4 59.2#

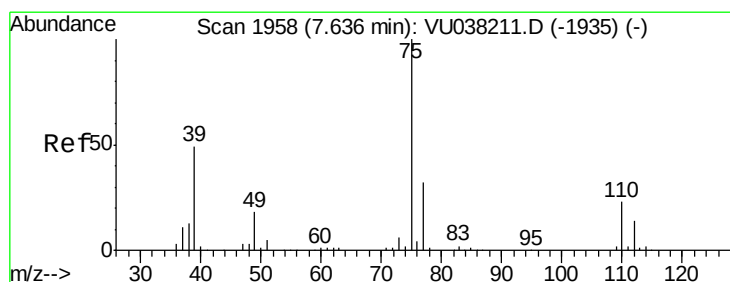
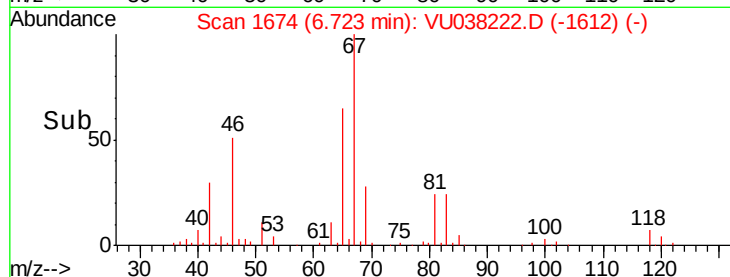
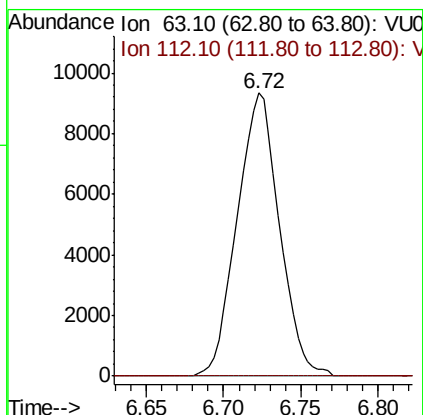
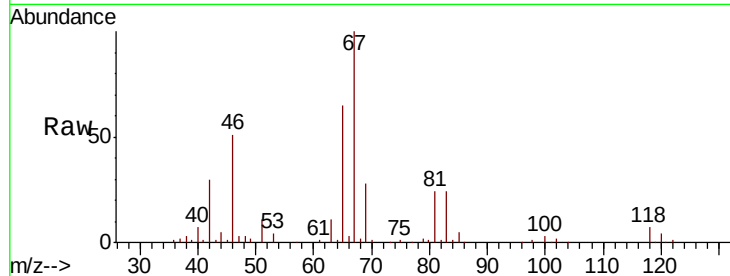




#37  
 1,2-Dichloropropane  
 Concen: 0.642 ug/L  
 RT: 6.72 min Scan# 1674  
 Delta R.T. -0.10 min  
 Lab File: VU038222.D  
 Acq: 18 May 2020 16:10

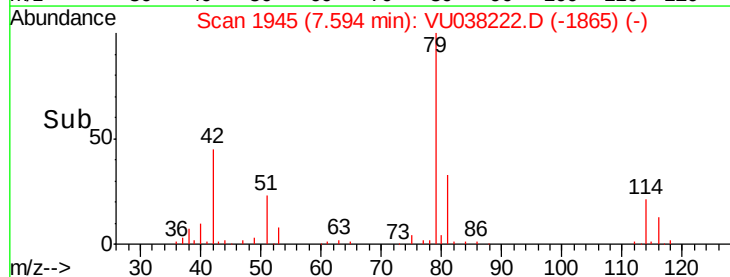
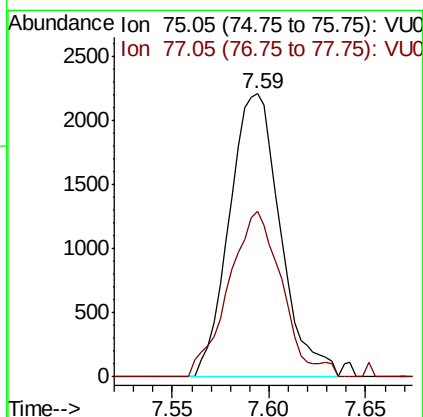
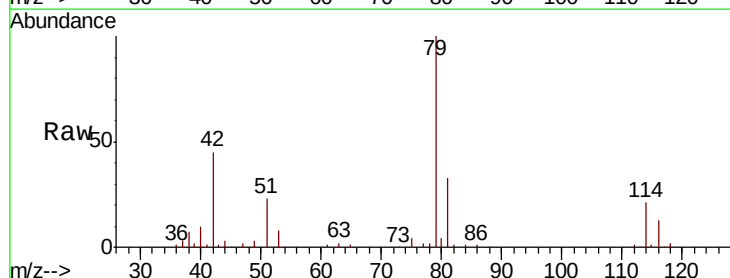
Instrument :  
 MSVOA\_U  
 ClientSampled :

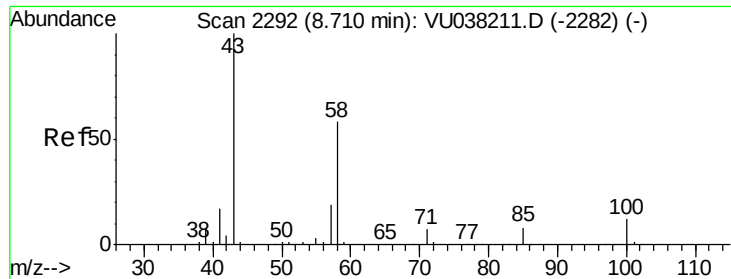
Tot Ion: 63 Resp: 17728  
 Ion Ratio Lower Upper  
 63 100  
 112 0.0 3.1 4.7#



#39  
 cis-1,3-Dichloropropene  
 Concen: 0.102 ug/L  
 RT: 7.59 min Scan# 1945  
 Delta R.T. -0.04 min  
 Lab File: VU038222.D  
 Acq: 18 May 2020 16:10

Tgt Ion: 75 Resp: 4047  
 Ion Ratio Lower Upper  
 75 100  
 77 58.4 22.4 41.6#

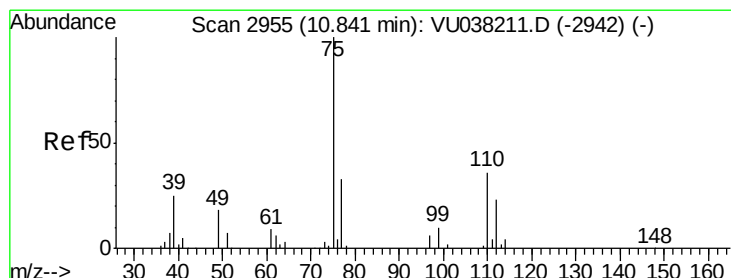
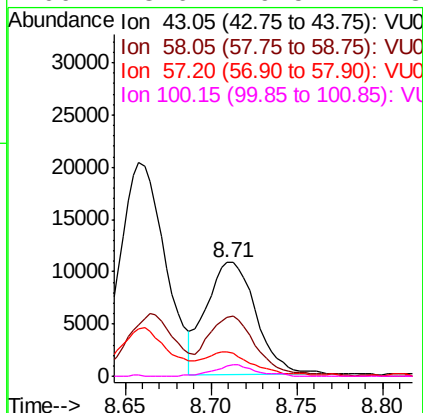
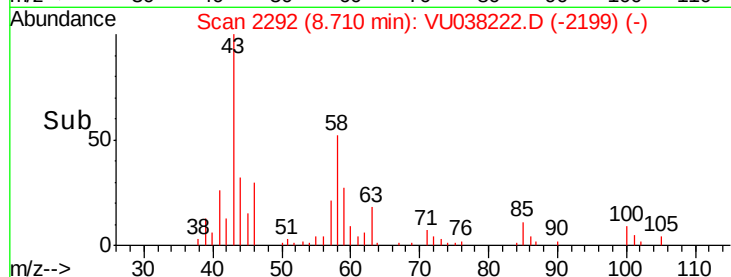
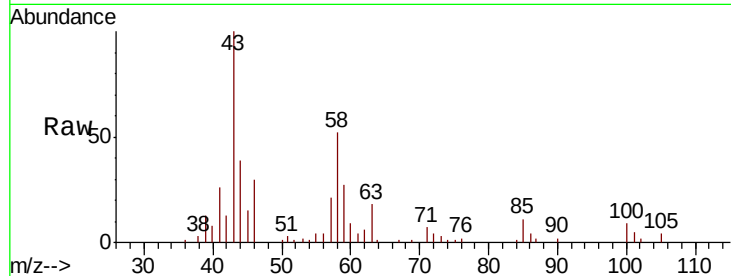




#48  
 2-Hexanone  
 Concen: 1.543 ug/L  
 RT: 8.71 min Scan# 2292  
 Delta R.T. -0.00 min  
 Lab File: VU038222.D  
 Acq: 18 May 2020 16:10

Instrument :  
 MSVOA\_U  
 ClientSampleId :

Tot Ion: 43 Resp: 21627  
 Ion Ratio Lower Upper  
 43 100  
 58 51.9 45.2 67.8  
 57 20.1 15.5 23.3  
 100 8.6 9.5 14.3#



#59  
 1,2,3-Trichloropropane  
 Concen: 1.126 ug/L  
 RT: 11.83 min Scan# 3261  
 Delta R.T. 0.98 min  
 Lab File: VU038222.D  
 Acq: 18 May 2020 16:10

Tgt Ion: 75 Resp: 20859  
 Ion Ratio Lower Upper  
 75 100  
 77 37.3 25.4 38.0

