

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU051820\  
 Data File : VU038221.D  
 Acq On : 18 May 2020 15:35  
 Operator : JC/MD  
 Sample : L2657-07DL 10X  
 Misc : 25.0mL/MSVOA U/WATER  
 ALS Vial : 1 Sample Multiplier: 1

Instrument :  
 MSVOA\_U  
 ClientSampleId :  
 BFSW0DL

Quant Time: May 18 23:24:01 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  | 357619   | 5.00 | ug/L  | 0.00     |
| 28) Chlorobenzene-d5       | 9.44  | 117  | 345304   | 5.00 | ug/L  | 0.00     |
| 60) 1,4-Dichlorobenzene-d4 | 11.83 | 152  | 166821   | 5.00 | ug/L  | 0.00     |

## System Monitoring Compounds

|                                |        |       |          |          |      |         |
|--------------------------------|--------|-------|----------|----------|------|---------|
| 4) Vinyl Chloride-d3           | 1.61   | 65    | 120689   | 3.69     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 40 - 130 | Recovery | =    | 73.80%  |
| 7) Chloroethane-d5             | 1.92   | 69    | 111082   | 3.93     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 65 - 130 | Recovery | =    | 78.60%  |
| 11) 1,1-Dichloroethene-d2      | 2.58   | 63    | 147997   | 2.71     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 60 - 125 | Recovery | =    | 54.20%# |
| 20) 2-Butanone-d5              | 4.67   | 46    | 441023   | 54.65    | ug/L | 0.00    |
| Spiked Amount                  | 50.000 | Range | 40 - 130 | Recovery | =    | 109.30% |
| 24) Chloroform-d               | 5.10   | 84    | 214363   | 4.32     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 70 - 125 | Recovery | =    | 86.40%  |
| 26) 1,2-Dichloroethane-d4      | 5.74   | 65    | 133802   | 4.70     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 70 - 130 | Recovery | =    | 94.00%  |
| 32) Benzene-d6                 | 5.76   | 84    | 437614   | 4.23     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 70 - 125 | Recovery | =    | 84.60%  |
| 36) 1,2-Dichloropropane-d6     | 6.72   | 67    | 153319   | 4.59     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 60 - 140 | Recovery | =    | 91.80%  |
| 41) Toluene-d8                 | 7.92   | 98    | 376435   | 4.05     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 70 - 130 | Recovery | =    | 81.00%  |
| 43) trans-1,3-Dichloropropene- | 8.20   | 79    | 56533    | 4.23     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 55 - 130 | Recovery | =    | 84.60%  |
| 46) 2-Hexanone-d5              | 8.66   | 63    | 347783   | 55.05    | ug/L | 0.00    |
| Spiked Amount                  | 50.000 | Range | 45 - 130 | Recovery | =    | 110.10% |
| 57) 1,1,2,2-Tetrachloroethane- | 10.77  | 84    | 131668   | 5.00     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 65 - 120 | Recovery | =    | 100.00% |
| 64) 1,2-Dichlorobenzene-d4     | 12.20  | 152   | 149054   | 4.59     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 80 - 120 | Recovery | =    | 91.80%  |

## Target Compounds

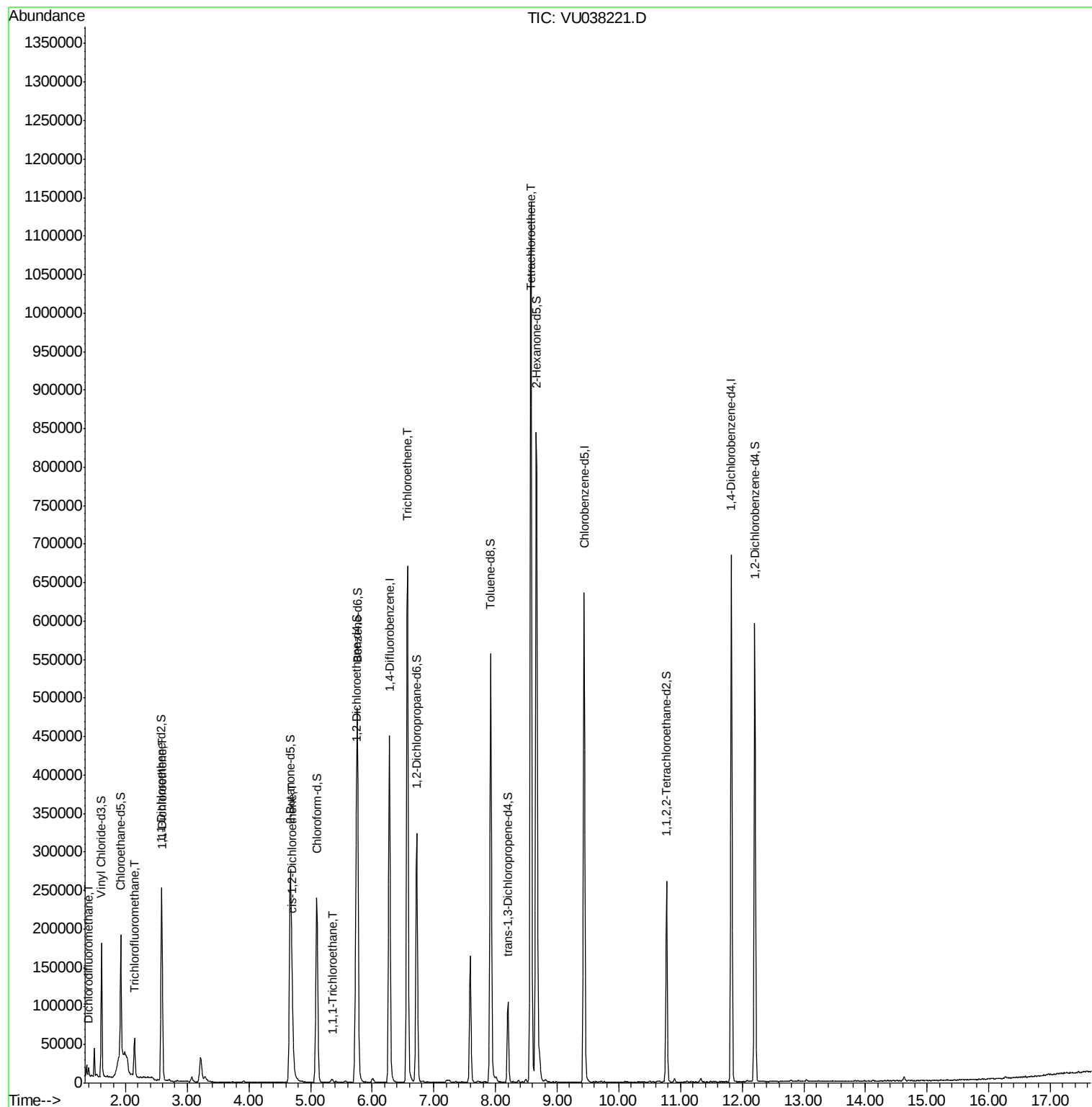
|                            |      |     |        |              | Ovalue |
|----------------------------|------|-----|--------|--------------|--------|
| 2) Dichlorodifluoromethane | 1.39 | 85  | 3966   | 0.121 ug/L   | 92     |
| 9) Trichlorofluoromethane  | 2.14 | 101 | 30867  | 0.782 ug/L   | 94     |
| 12) 1,1-Dichloroethene     | 2.60 | 96  | 10712  | 0.432 ug/L # | 1      |
| 22) cis-1,2-Dichloroethene | 4.71 | 96  | 23352  | 0.800 ug/L   | 94     |
| 29) 1,1,1-Trichloroethane  | 5.35 | 97  | 3019   | 0.076 ug/L # | 81     |
| 34) Trichloroethene        | 6.57 | 95  | 225895 | 8.168 ug/L   | 99     |
| 47) Tetrachloroethene      | 8.57 | 164 | 253220 | 13.090 ug/L  | 99     |

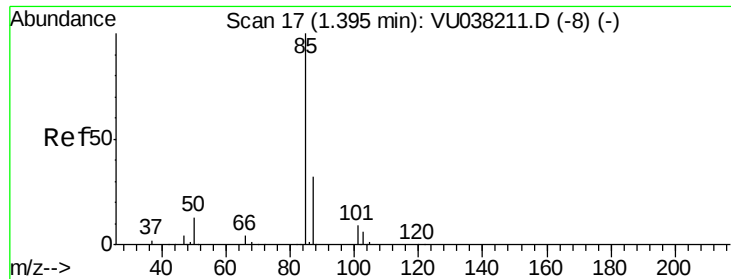
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#2

Dichlorodifluoromethane

Concen: 0.121 ug/L

RT: 1.39 min Scan# 17

Delta R.T. -0.00 min

Lab File: VU038221.D

Acq: 18 May 2020 15:35

Instrument :

MSVOA\_U

ClientSampleId :

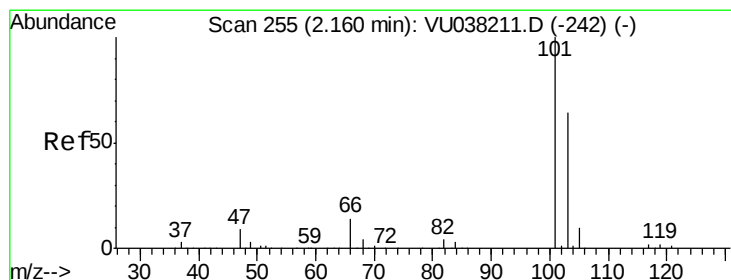
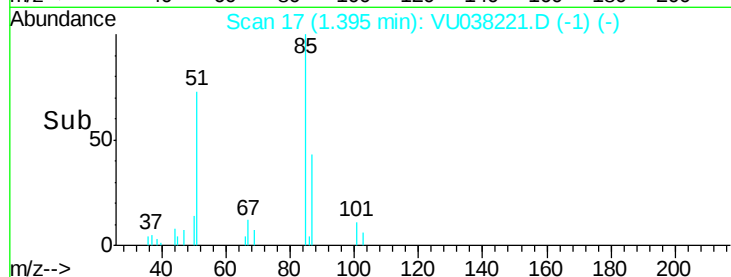
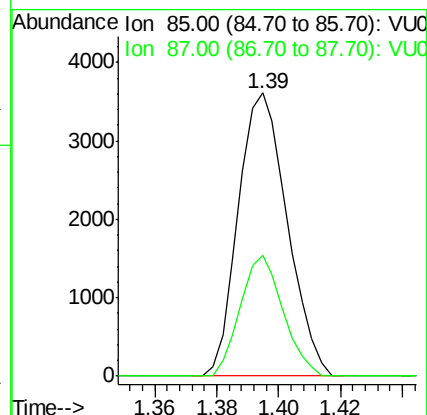
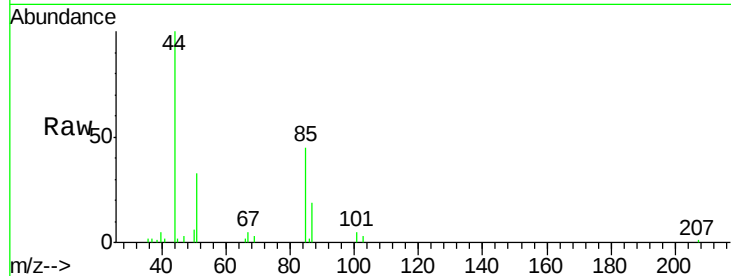
BFSW0DL

Tot Ion: 85 Resp: 3966

Ion Ratio Lower Upper

85 100

87 37.2 26.2 39.4



#9

Trichlorofluoromethane

Concen: 0.782 ug/L

RT: 2.14 min Scan# 250

Delta R.T. -0.02 min

Lab File: VU038221.D

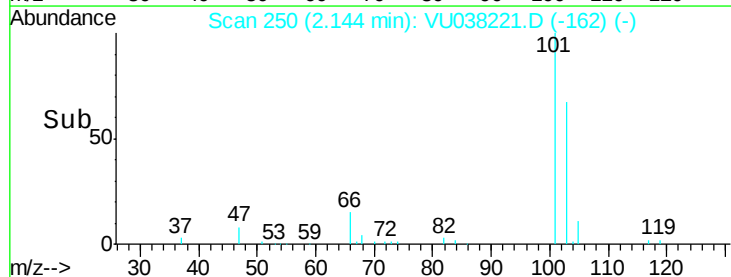
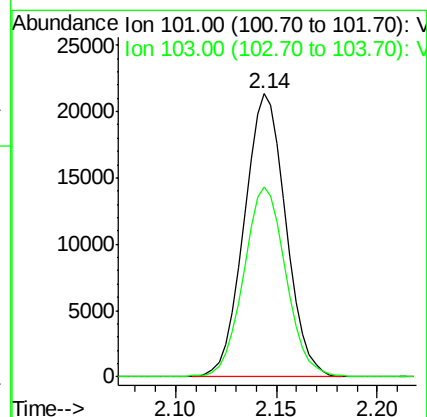
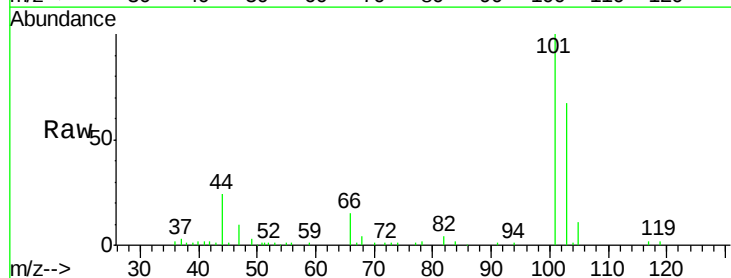
Acq: 18 May 2020 15:35

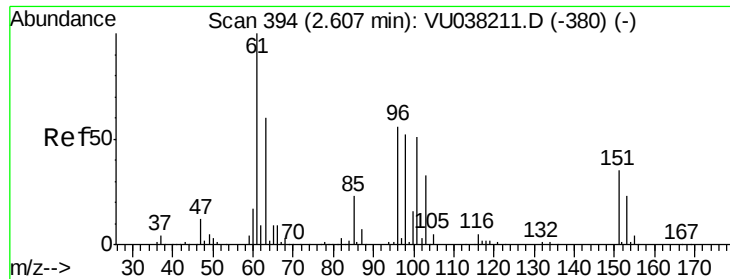
Tgt Ion: 101 Resp: 30867

Ion Ratio Lower Upper

101 100

103 68.2 51.0 76.4





#12

1,1-Dichloroethene

Concen: 0.432 ug/L

RT: 2.60 min Scan# 391

Delta R.T. -0.01 min

Lab File: VU038221.D

Acq: 18 May 2020 15:35

Instrument :

MSVOA\_U

ClientSampleId :

BFSW0DL

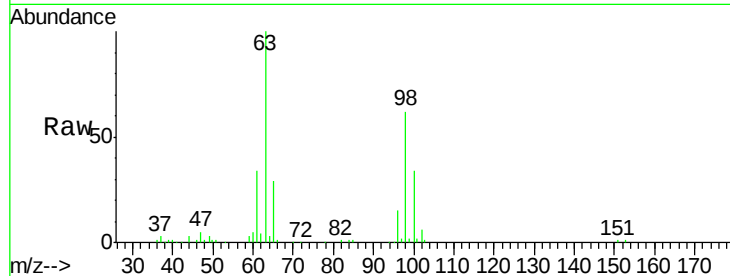
Tot Ion: 96 Resp: 10712

Ion Ratio Lower Upper

96 100

61 220.2 126.2 234.4

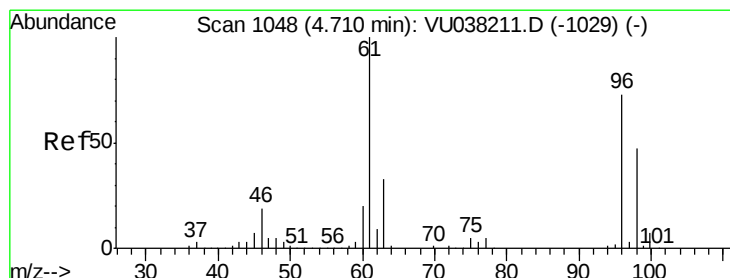
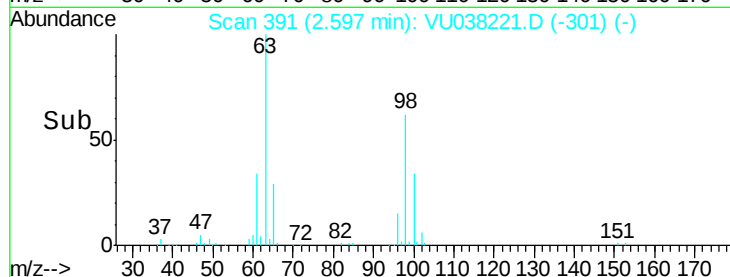
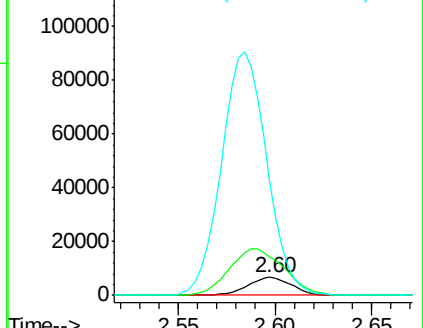
63 651.5 96.9 179.9#



Abundance Ion 96.00 (95.70 to 96.70): VU038221.D (-391) (-)

Ion 61.05 (60.75 to 61.75): VU038221.D (-391) (-)

Ion 63.00 (62.70 to 63.70): VU038221.D (-391) (-)



#22

cis-1,2-Dichloroethene

Concen: 0.800 ug/L

RT: 4.71 min Scan# 1047

Delta R.T. -0.00 min

Lab File: VU038221.D

Acq: 18 May 2020 15:35

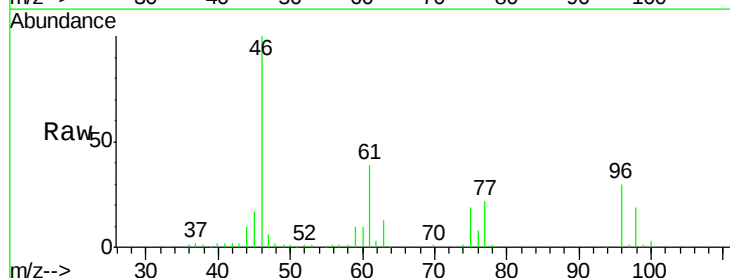
Tgt Ion: 96 Resp: 23352

Ion Ratio Lower Upper

96 100

61 128.7 95.3 176.9

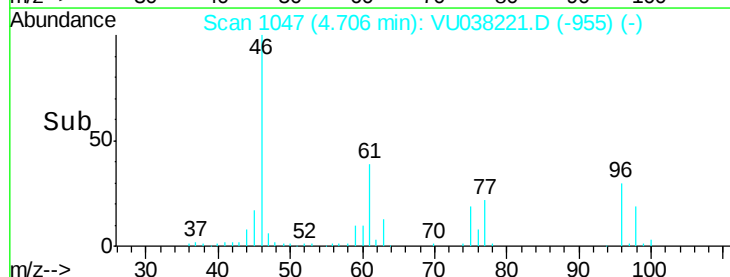
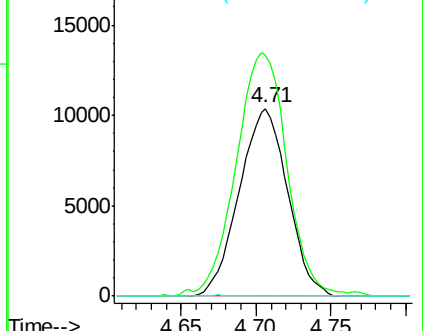
68 0.0 0.0 0.0

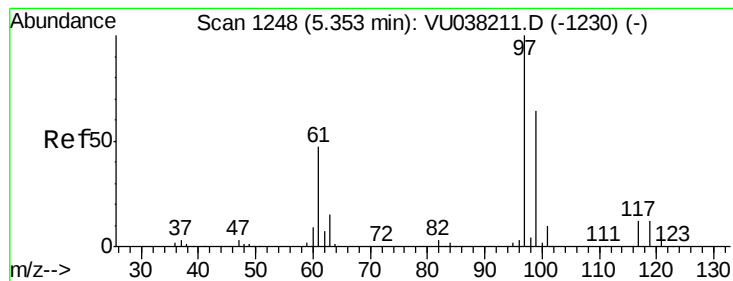


Abundance Ion 96.00 (95.70 to 96.70): VU038221.D (-1047) (-)

Ion 61.05 (60.75 to 61.75): VU038221.D (-1047) (-)

Ion 68.15 (67.85 to 68.85): VU038221.D (-1047) (-)





#29

1,1,1-Trichloroethane

Concen: 0.076 ug/L

RT: 5.35 min Scan# 1247

Delta R.T. -0.00 min

Lab File: VU038221.D

Acq: 18 May 2020 15:35

Instrument :

MSVOA\_U

ClientSampleId :

BFSW0DL

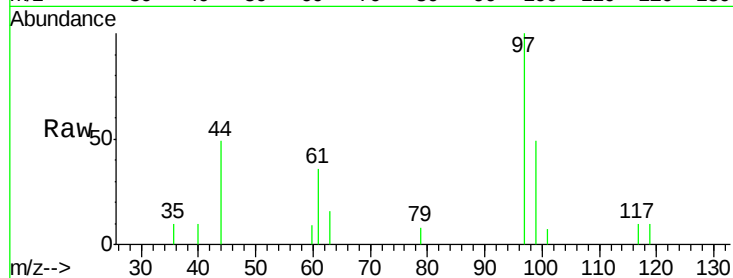
Tot Ion: 97 Resp: 3019

Ion Ratio Lower Upper

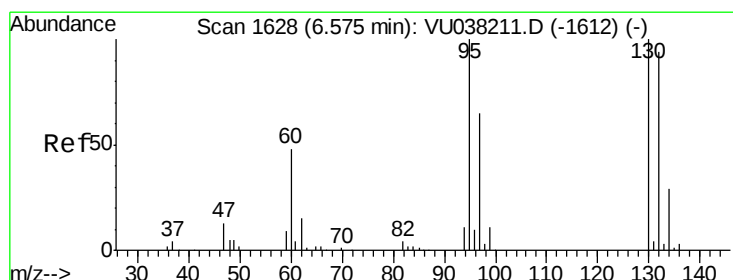
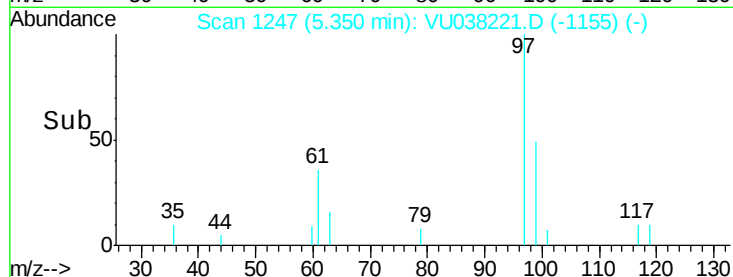
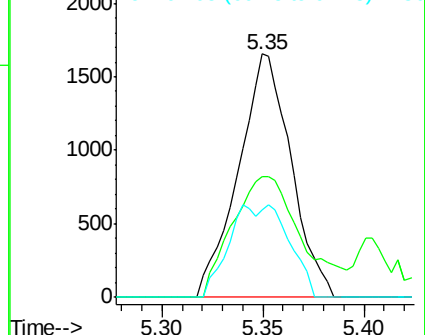
97 100

99 65.8 51.0 76.4

61 21.0 38.2 57.4#



Abundance Ion 96.95 (96.65 to 97.65): VU0  
Ion 99.05 (98.75 to 99.75): VU0  
Ion 61.05 (60.75 to 61.75): VU0



#34

Trichloroethene

Concen: 8.168 ug/L

RT: 6.57 min Scan# 1626

Delta R.T. -0.01 min

Lab File: VU038221.D

Acq: 18 May 2020 15:35

Tgt Ion: 95 Resp: 225895

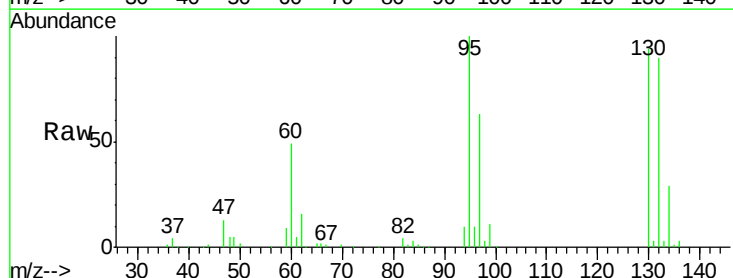
Ion Ratio Lower Upper

95 100

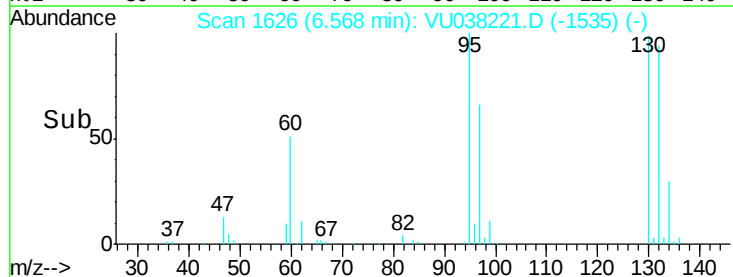
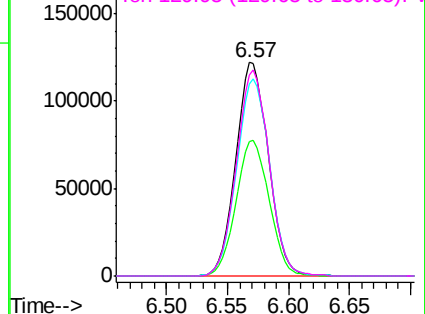
97 63.1 44.9 83.3

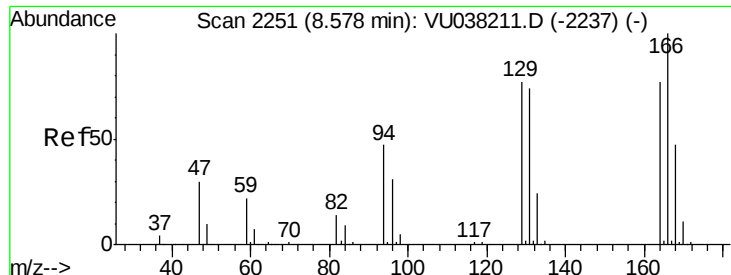
132 90.0 63.3 117.5

130 94.3 65.7 122.1



Abundance Ion 95.00 (94.70 to 95.70): VU0  
Ion 96.95 (96.65 to 97.65): VU0  
Ion 131.95 (131.65 to 132.65): V  
Ion 129.95 (129.65 to 130.65): V





#47

Tetrachloroethene

Concen: 13.090 ug/L

RT: 8.57 min Scan# 2250

Delta R.T. -0.00 min

Lab File: VU038221.D

Acq: 18 May 2020 15:35

Instrument :

MSVOA\_U

ClientSampleId :

BFSW0DL

Tot Ion:164 Resp: 253220

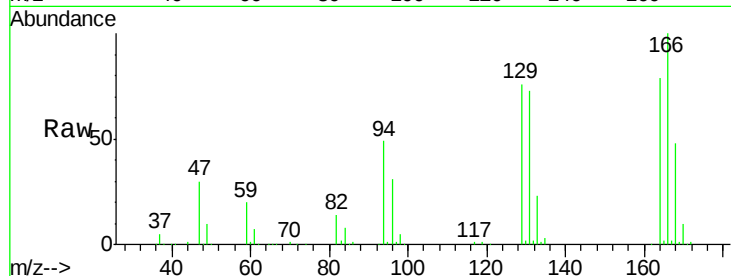
Ion Ratio Lower Upper

164 100

129 97.3 68.8 127.8

131 92.9 66.8 124.2

166 127.3 88.9 165.1



Abundance Ion 163.90 (163.60 to 164.60): V

Ion 128.95 (128.65 to 129.65): V

Ion 130.95 (130.65 to 131.65): V

Ion 165.90 (165.60 to 166.60): V

