

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\U061620\  
 Data File : VU038921.D  
 Acq On : 16 Jun 2020 14:22  
 Operator : SY/MD  
 Sample : L2975-09DL 5X  
 Misc : 25.0mL/MSVOA U/WATER  
 ALS Vial : 1 Sample Multiplier: 1

Instrument :  
 MSVOA\_U  
 ClientSampleId :  
 BF8Q3DL

Quant Time: Jun 17 02:24:08 2020  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_U\METHOD\SOMUTR061520WMA.M  
 Quant Title : TRACE VOA SOM01.0  
 QLast Update : Wed Jun 17 02:00:04 2020  
 Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc | Units | Dev(Min) |
|----------------------------|-------|------|----------|------|-------|----------|
| 1) 1,4-Difluorobenzene     | 6.28  | 114  | 306778   | 5.00 | ug/L  | 0.00     |
| 28) Chlorobenzene-d5       | 9.44  | 117  | 312033   | 5.00 | ug/L  | 0.00     |
| 60) 1,4-Dichlorobenzene-d4 | 11.83 | 152  | 145708   | 5.00 | ug/L  | 0.00     |

## System Monitoring Compounds

|                                |        |       |          |          |      |          |
|--------------------------------|--------|-------|----------|----------|------|----------|
| 4) Vinyl Chloride-d3           | 1.61   | 65    | 86161    | 5.64     | ug/L | 0.00     |
| Spiked Amount                  | 5.000  | Range | 40 - 130 | Recovery | =    | 112.80%  |
| 7) Chloroethane-d5             | 1.93   | 69    | 72950    | 4.86     | ug/L | 0.00     |
| Spiked Amount                  | 5.000  | Range | 65 - 130 | Recovery | =    | 97.20%   |
| 11) 1,1-Dichloroethene-d2      | 2.58   | 63    | 147577   | 3.98     | ug/L | 0.00     |
| Spiked Amount                  | 5.000  | Range | 60 - 125 | Recovery | =    | 79.60%   |
| 20) 2-Butanone-d5              | 4.69   | 46    | 343733   | 62.13    | ug/L | 0.00     |
| Spiked Amount                  | 50.000 | Range | 40 - 130 | Recovery | =    | 124.26%  |
| 24) Chloroform-d               | 5.10   | 84    | 186904   | 5.01     | ug/L | 0.00     |
| Spiked Amount                  | 5.000  | Range | 70 - 125 | Recovery | =    | 100.20%  |
| 26) 1,2-Dichloroethane-d4      | 5.74   | 65    | 114838   | 5.40     | ug/L | 0.00     |
| Spiked Amount                  | 5.000  | Range | 70 - 130 | Recovery | =    | 108.00%  |
| 32) Benzene-d6                 | 5.76   | 84    | 376853   | 5.43     | ug/L | 0.00     |
| Spiked Amount                  | 5.000  | Range | 70 - 125 | Recovery | =    | 108.60%  |
| 36) 1,2-Dichloropropane-d6     | 6.72   | 67    | 114960   | 5.31     | ug/L | 0.00     |
| Spiked Amount                  | 5.000  | Range | 60 - 140 | Recovery | =    | 106.20%  |
| 41) Toluene-d8                 | 7.92   | 98    | 319598   | 4.97     | ug/L | 0.00     |
| Spiked Amount                  | 5.000  | Range | 70 - 130 | Recovery | =    | 99.40%   |
| 43) trans-1,3-Dichloropropene- | 8.20   | 79    | 46727    | 4.88     | ug/L | 0.00     |
| Spiked Amount                  | 5.000  | Range | 55 - 130 | Recovery | =    | 97.60%   |
| 46) 2-Hexanone-d5              | 8.67   | 63    | 283460   | 60.09    | ug/L | 0.00     |
| Spiked Amount                  | 50.000 | Range | 45 - 130 | Recovery | =    | 120.18%  |
| 57) 1,1,2,2-Tetrachloroethane- | 10.77  | 84    | 109312   | 5.32     | ug/L | 0.00     |
| Spiked Amount                  | 5.000  | Range | 65 - 120 | Recovery | =    | 106.40%  |
| 64) 1,2-Dichlorobenzene-d4     | 12.20  | 152   | 150566   | 6.05     | ug/L | 0.00     |
| Spiked Amount                  | 5.000  | Range | 80 - 120 | Recovery | =    | 121.00%# |

## Target Compounds

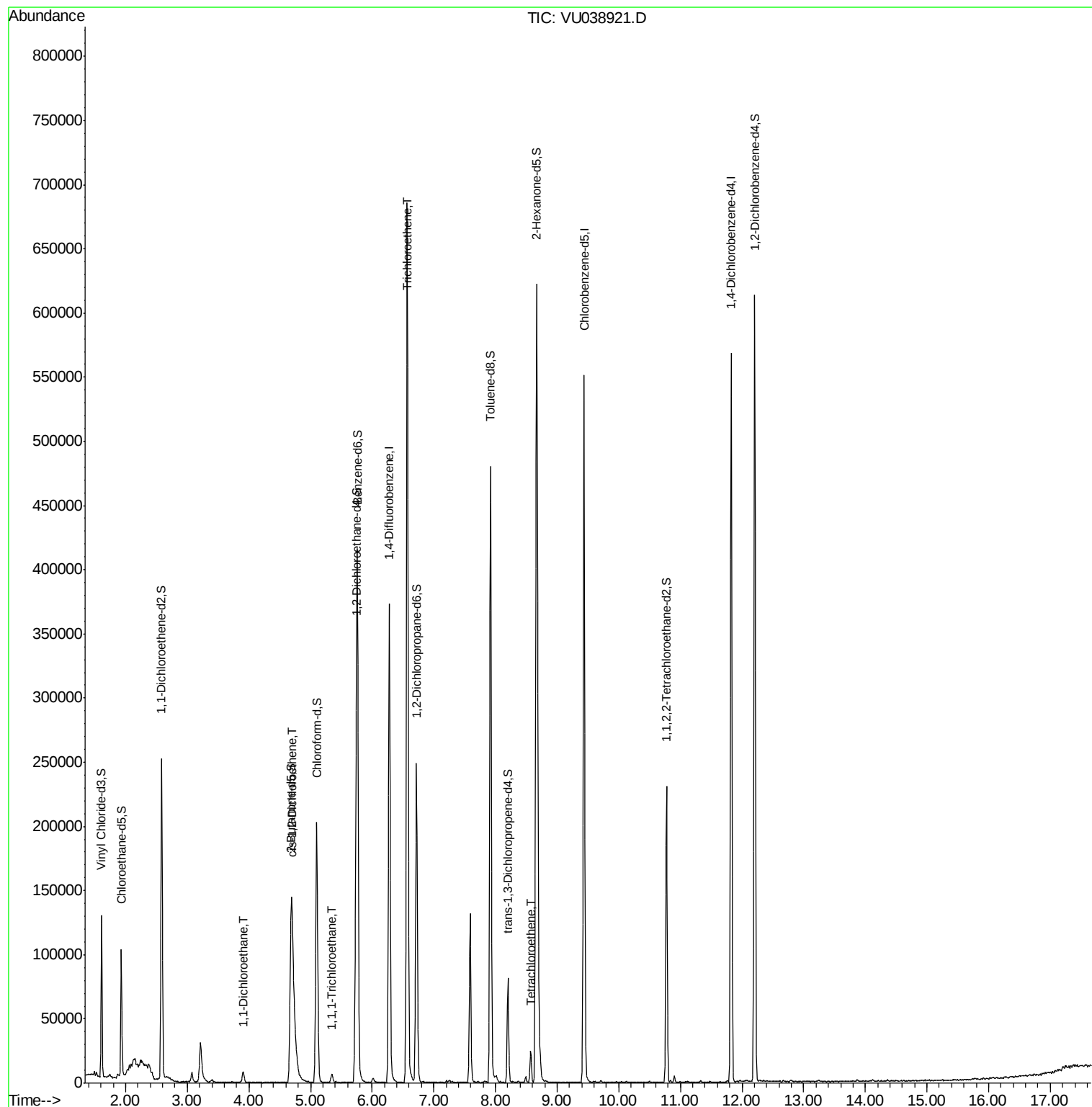
|                            |      |     |        |              | Ovalue |
|----------------------------|------|-----|--------|--------------|--------|
| 19) 1,1-Dichloroethane     | 3.90 | 63  | 9873   | 0.234 ug/L   | 95     |
| 22) cis-1,2-Dichloroethene | 4.71 | 96  | 3591   | 0.150 ug/L   | 92     |
| 29) 1,1,1-Trichloroethane  | 5.35 | 97  | 4800   | 0.124 ug/L # | 84     |
| 34) Trichloroethene        | 6.57 | 95  | 235635 | 9.736 ug/L   | 96     |
| 47) Tetrachloroethene      | 8.57 | 164 | 5434   | 0.293 ug/L   | 95     |

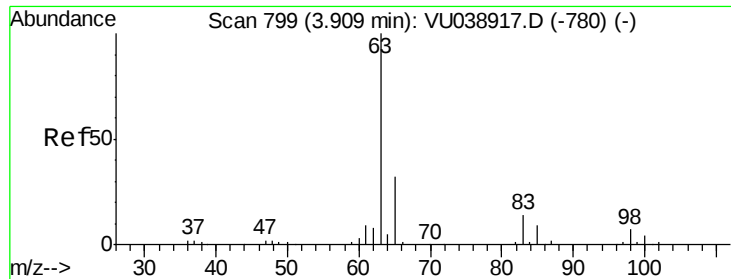
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Response via : Initial Calibration





#19

1,1-Dichloroethane

Concen: 0.234 ug/L

RT: 3.90 min Scan# 797

Delta R.T. -0.01 min

Lab File: VU038921.D

Acq: 16 Jun 2020 14:22

Instrument :

MSVOA\_U

ClientSampleId :

BF8Q3DL

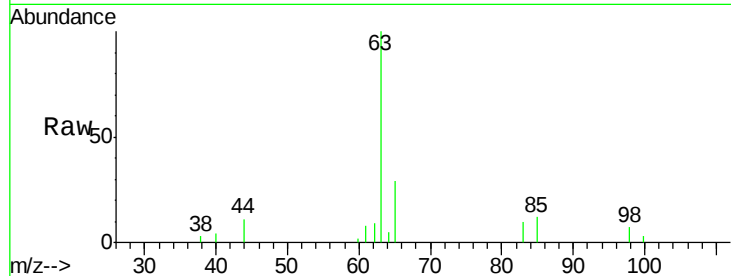
Tot Ion: 63 Resp: 9873

Ion Ratio Lower Upper

63 100

65 28.7 21.3 39.6

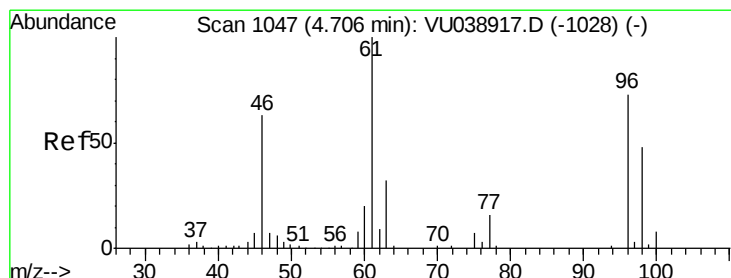
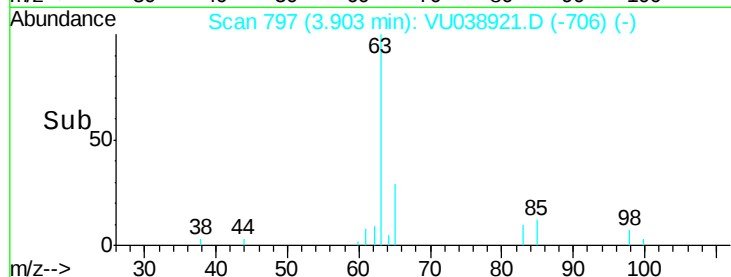
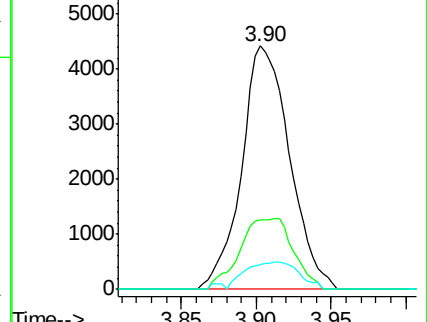
83 10.3 9.5 17.7



Abundance Ion 63.10 (62.80 to 63.80): VU038921.D (-780) (-)

Ion 65.10 (64.80 to 65.80): VU038921.D (-780) (-)

Ion 83.05 (82.75 to 83.75): VU038921.D (-780) (-)



#22

cis-1,2-Dichloroethene

Concen: 0.150 ug/L

RT: 4.71 min Scan# 1047

Delta R.T. -0.00 min

Lab File: VU038921.D

Acq: 16 Jun 2020 14:22

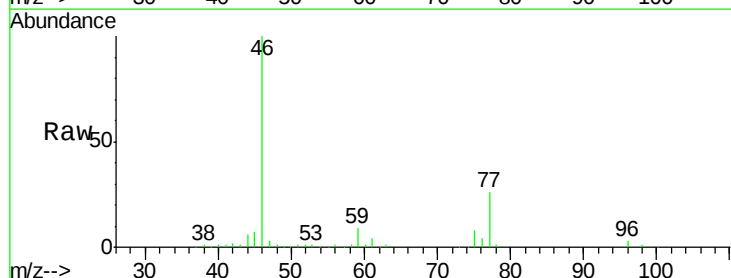
Tgt Ion: 96 Resp: 3591

Ion Ratio Lower Upper

96 100

61 138.4 90.5 168.1

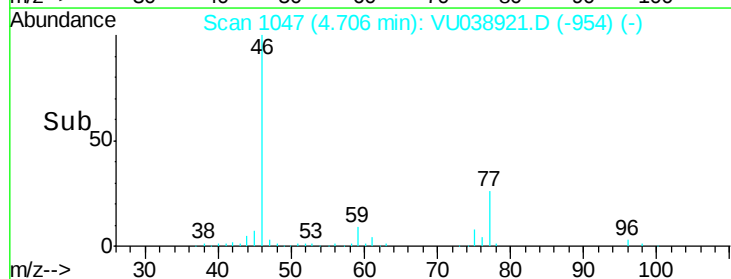
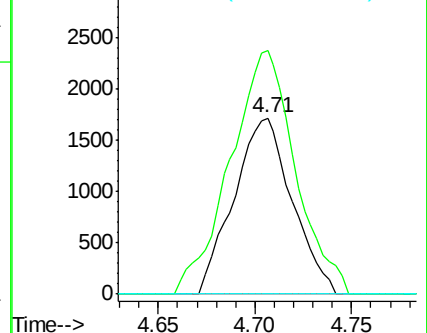
68 0.0 0.0 0.0

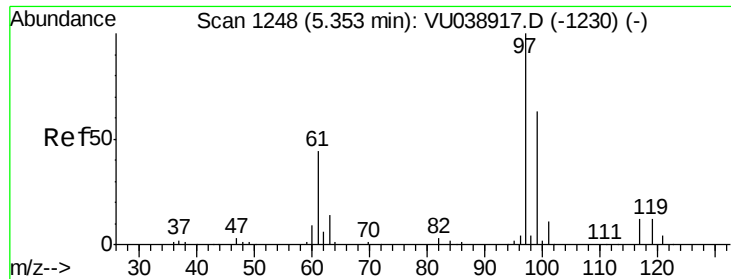


Abundance Ion 96.00 (95.70 to 96.70): VU038921.D (-954) (-)

Ion 61.05 (60.75 to 61.75): VU038921.D (-954) (-)

Ion 68.15 (67.85 to 68.85): VU038921.D (-954) (-)

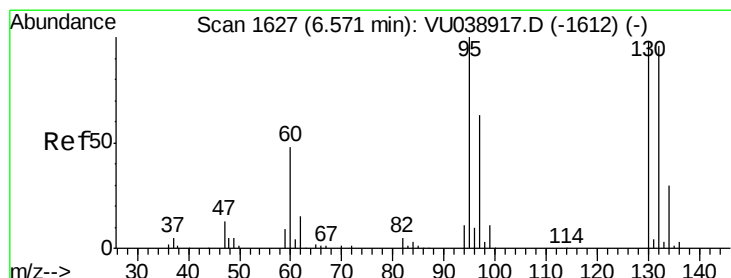
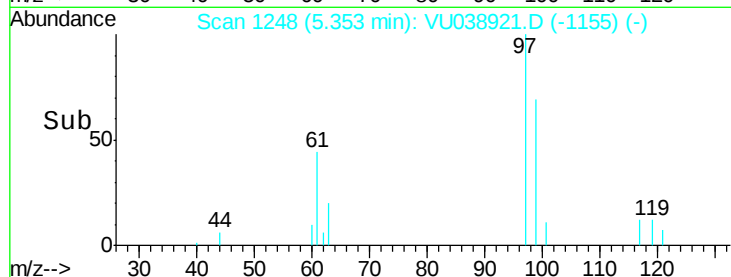
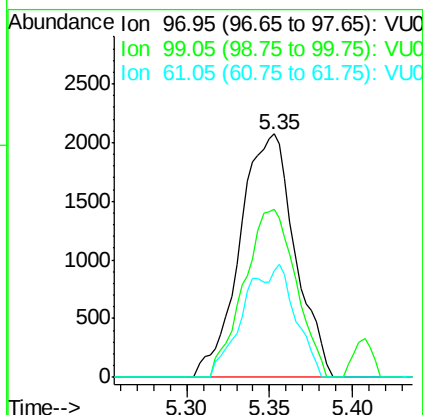
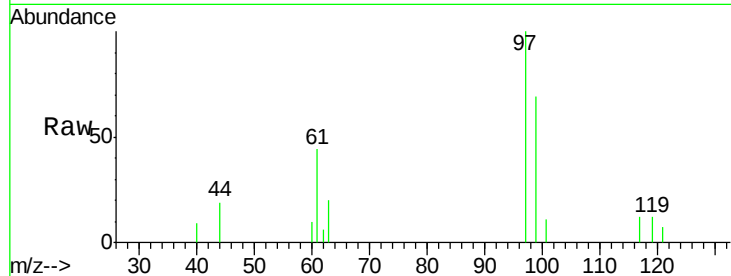




#29  
 1,1,1-Trichloroethane  
 Concen: 0.124 ug/L  
 RT: 5.35 min Scan# 1248  
 Delta R.T. -0.00 min  
 Lab File: VU038921.D  
 Acq: 16 Jun 2020 14:22

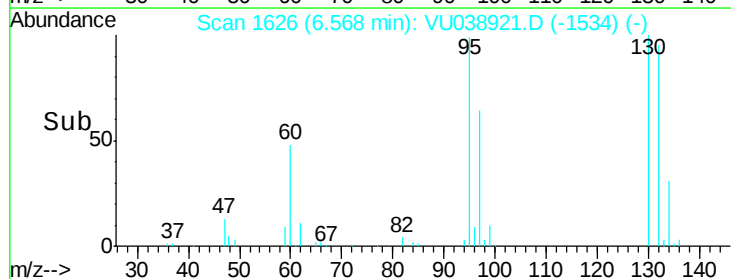
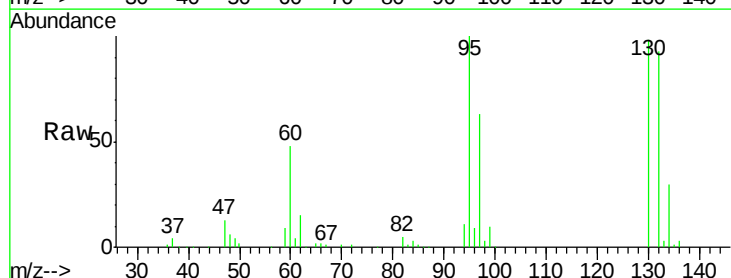
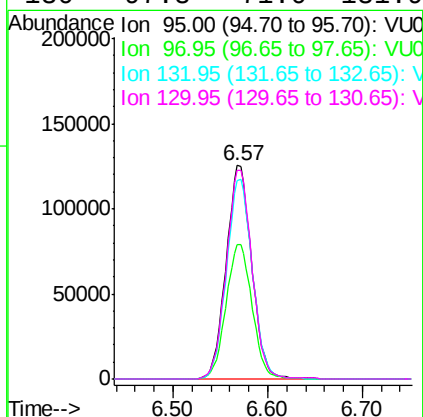
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 MSVOA\_U  
 ClientSampled :  
 BF8Q3DL

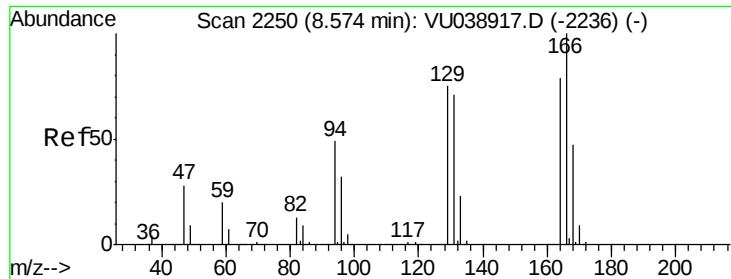
Tot Ion: 97 Resp: 4800  
 Ion Ratio Lower Upper  
 97 100  
 99 64.8 51.4 77.2  
 61 20.1 36.3 54.5#



#34  
 Trichloroethene  
 Concen: 9.736 ug/L  
 RT: 6.57 min Scan# 1626  
 Delta R.T. -0.00 min  
 Lab File: VU038921.D  
 Acq: 16 Jun 2020 14:22

Tgt Ion: 95 Resp: 235635  
 Ion Ratio Lower Upper  
 95 100  
 97 62.9 46.1 85.5  
 132 93.0 68.2 126.6  
 130 97.8 71.0 131.9





#47

Tetrachloroethene

Concen: 0.293 ug/L

RT: 8.57 min Scan# 2250

Delta R.T. -0.00 min

Lab File: VU038921.D

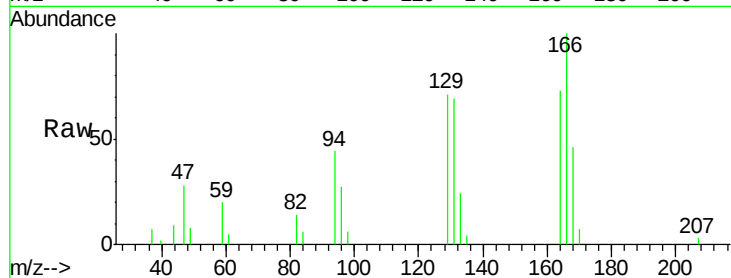
Acq: 16 Jun 2020 14:22

Instrument :

MSVOA\_U

ClientSampleId :

BF8Q3DL



Tot Ion:164 Resp: 5434

Ion Ratio Lower Upper

164 100

129 96.1 65.5 121.7

131 93.3 63.9 118.7

166 136.2 87.9 163.3

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

