

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\U110320\  
 Data File : VU041084.D  
 Acq On : 03 Nov 2020 17:45  
 Operator : SY/MD  
 Sample : L4575-02  
 Misc : 25.0mL/MSVOA U/WATER  
 ALS Vial : 21 Sample Multiplier: 1

Instrument :  
 MSVOA\_U  
 ClientSampleId :  
 C0AA1

Quant Time: Nov 04 02:14:40 2020  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_U\METHOD\SOMUTR102620WMA.M  
 Quant Title : TRACE VOA SOM01.0  
 QLast Update : Wed Nov 04 00:51:13 2020  
 Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc | Units | Dev(Min) |
|----------------------------|-------|------|----------|------|-------|----------|
| 1) 1,4-Difluorobenzene     | 6.26  | 114  | 52503    | 5.00 | ug/L  | 0.00     |
| 28) Chlorobenzene-d5       | 9.42  | 117  | 54388    | 5.00 | ug/L  | 0.00     |
| 60) 1,4-Dichlorobenzene-d4 | 11.81 | 152  | 22779    | 5.00 | ug/L  | 0.00     |

## System Monitoring Compounds

|                                |        |       |          |          |      |         |
|--------------------------------|--------|-------|----------|----------|------|---------|
| 4) Vinyl Chloride-d3           | 1.60   | 65    | 17419    | 3.95     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 40 - 130 | Recovery | =    | 79.00%  |
| 7) Chloroethane-d5             | 1.92   | 69    | 13592    | 4.01     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 65 - 130 | Recovery | =    | 80.20%  |
| 11) 1,1-Dichloroethene-d2      | 2.58   | 63    | 25672    | 2.97     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 60 - 125 | Recovery | =    | 59.40%# |
| 20) 2-Butanone-d5              | 4.65   | 46    | 74805    | 51.50    | ug/L | 0.00    |
| Spiked Amount                  | 50.000 | Range | 40 - 130 | Recovery | =    | 103.00% |
| 24) Chloroform-d               | 5.08   | 84    | 33982    | 4.36     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 70 - 125 | Recovery | =    | 87.20%  |
| 26) 1,2-Dichloroethane-d4      | 5.72   | 65    | 22416    | 4.64     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 70 - 130 | Recovery | =    | 92.80%  |
| 32) Benzene-d6                 | 5.74   | 84    | 61387    | 4.22     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 70 - 125 | Recovery | =    | 84.40%  |
| 36) 1,2-Dichloropropane-d6     | 6.70   | 67    | 21714    | 4.58     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 60 - 140 | Recovery | =    | 91.60%  |
| 41) Toluene-d8                 | 7.91   | 98    | 48199    | 3.66     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 70 - 130 | Recovery | =    | 73.20%  |
| 43) trans-1,3-Dichloropropene- | 8.19   | 79    | 8521     | 4.15     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 55 - 130 | Recovery | =    | 83.00%  |
| 46) 2-Hexanone-d5              | 8.64   | 63    | 53459    | 48.37    | ug/L | 0.00    |
| Spiked Amount                  | 50.000 | Range | 45 - 130 | Recovery | =    | 96.74%  |
| 57) 1,1,2,2-Tetrachloroethane- | 10.75  | 84    | 19901    | 4.52     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 65 - 120 | Recovery | =    | 90.40%  |
| 64) 1,2-Dichlorobenzene-d4     | 12.19  | 152   | 18692    | 4.68     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 80 - 120 | Recovery | =    | 93.60%  |

## Target Compounds

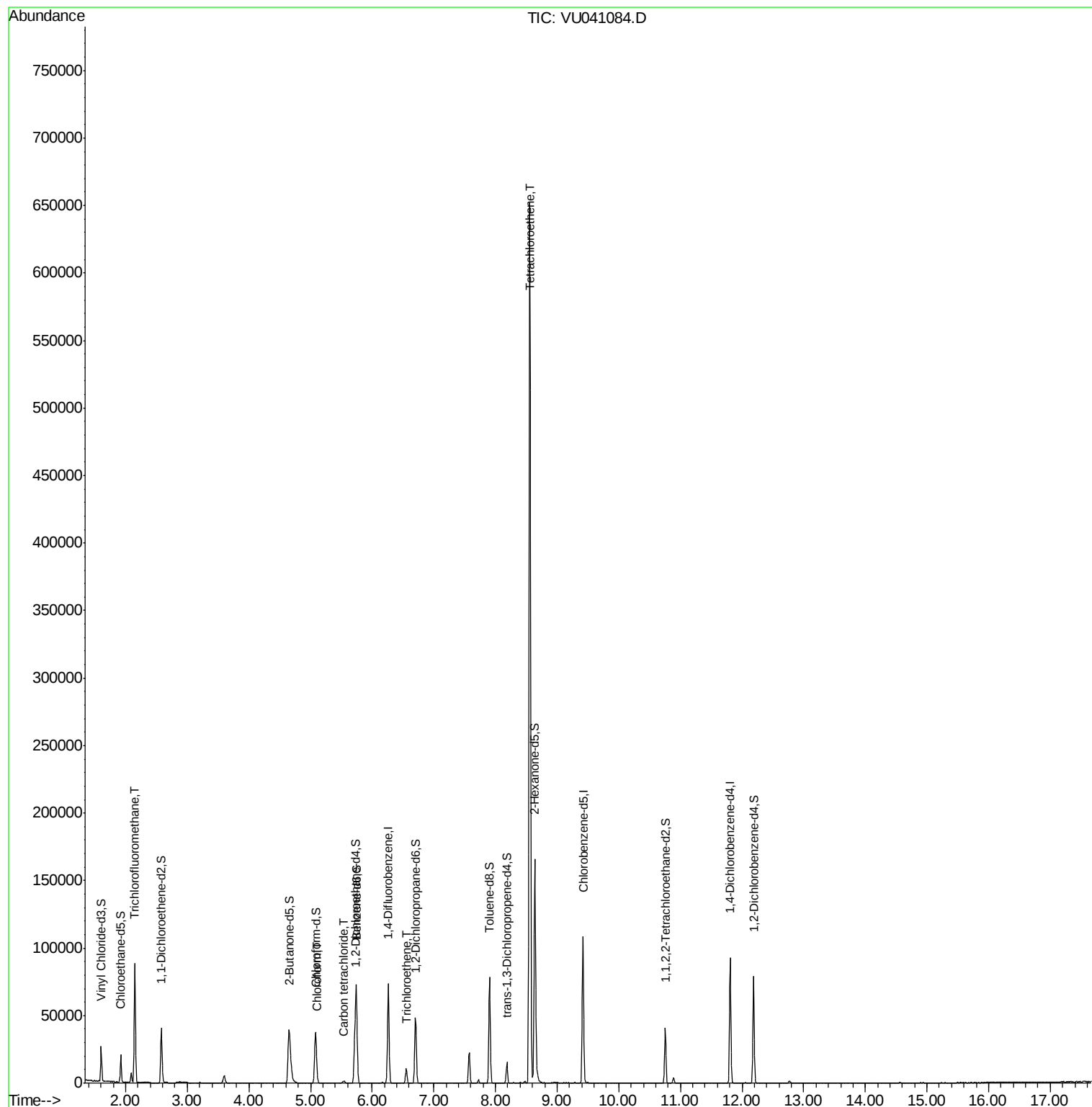
|                           |      |     |        |             | Ovalue |
|---------------------------|------|-----|--------|-------------|--------|
| 9) Trichlorofluoromethane | 2.15 | 101 | 56011  | 8.357 ug/L  | 99     |
| 25) Chloroform            | 5.11 | 83  | 1497   | 0.198 ug/L  | 96     |
| 31) Carbon tetrachloride  | 5.55 | 117 | 1217   | 0.207 ug/L  | 93     |
| 34) Trichloroethene       | 6.56 | 95  | 3501   | 0.847 ug/L  | 97     |
| 47) Tetrachloroethene     | 8.56 | 164 | 130254 | 42.832 ug/L | 97     |

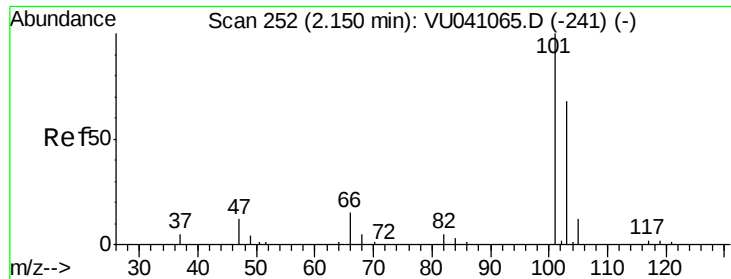
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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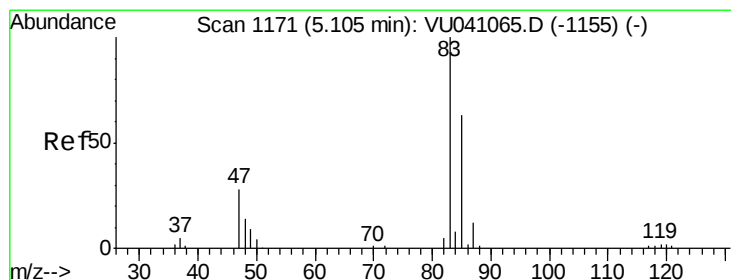
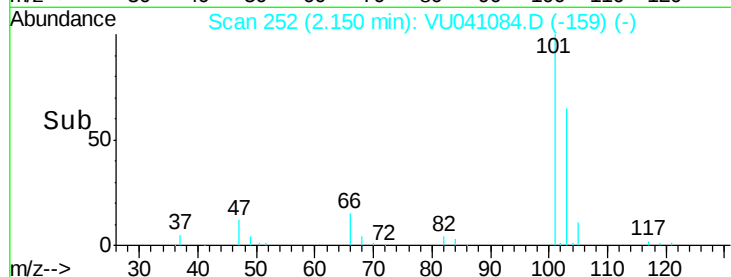
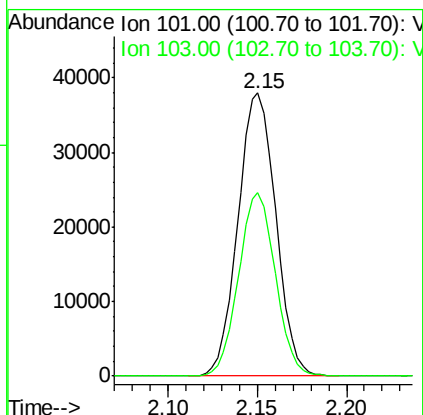
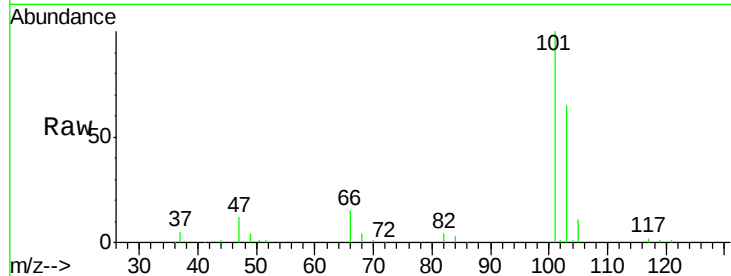


#9

Trichlorofluoromethane  
 Concen: 8.357 ug/L  
 RT: 2.15 min Scan# 252  
 Delta R.T. -0.00 min  
 Lab File: VU041084.D  
 Acq: 03 Nov 2020 17:45

Instrument :  
 MSVOA\_U  
 ClientSampleId :  
 C0AA1

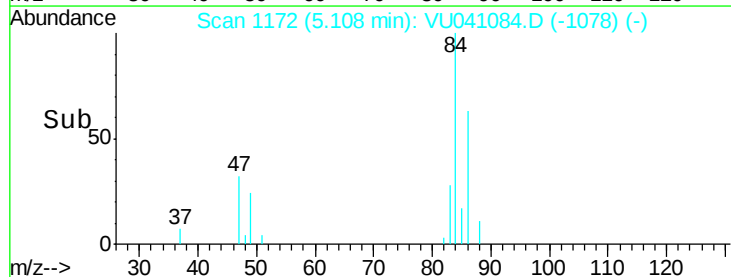
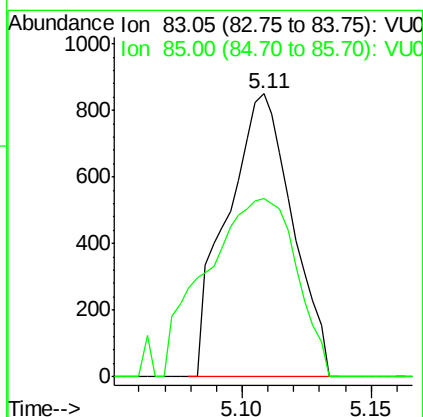
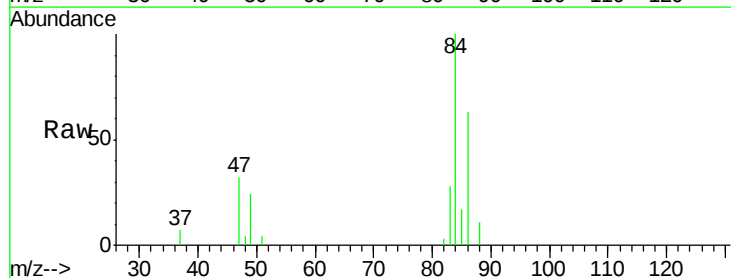
Tot Ion:101 Resp: 56011  
 Ion Ratio Lower Upper  
 101 100  
 103 63.0 51.0 76.4

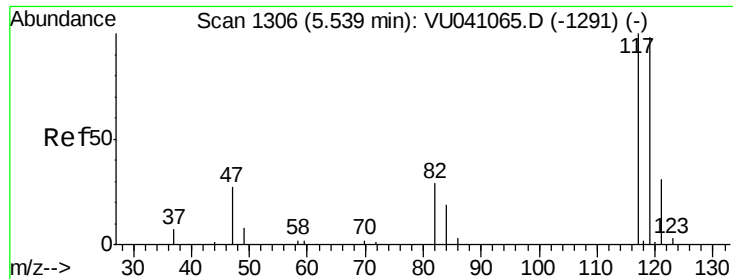


#25

Chloroform  
 Concen: 0.198 ug/L  
 RT: 5.11 min Scan# 1172  
 Delta R.T. 0.00 min  
 Lab File: VU041084.D  
 Acq: 03 Nov 2020 17:45

Tgt Ion: 83 Resp: 1497  
 Ion Ratio Lower Upper  
 83 100  
 85 62.8 46.1 85.7





#31

Carbon tetrachloride

Concen: 0.207 ug/L

RT: 5.55 min Scan# 1308

Delta R.T. 0.01 min

Lab File: VU041084.D

Acq: 03 Nov 2020 17:45

Instrument :

MSVOA\_U

ClientSampleId :

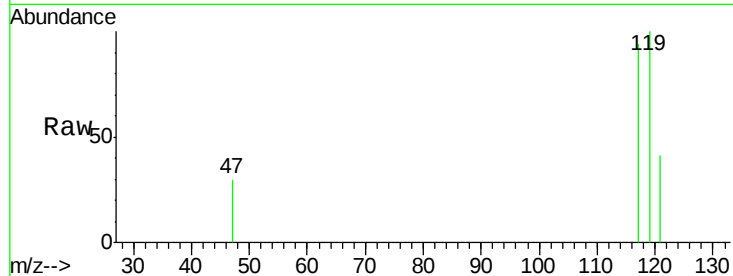
C0AA1

Tot Ion:117 Resp: 1217

Ion Ratio Lower Upper

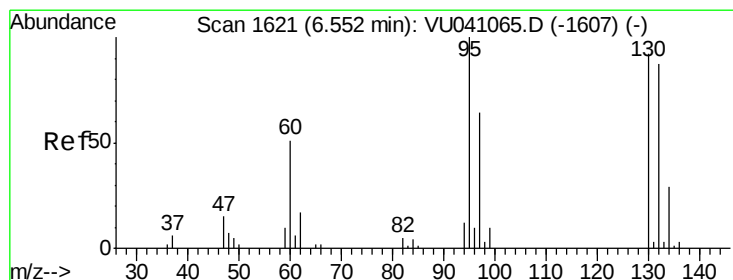
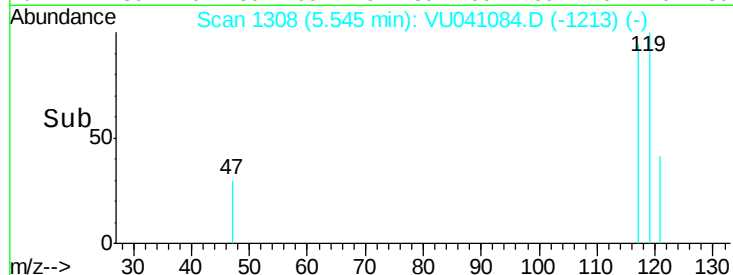
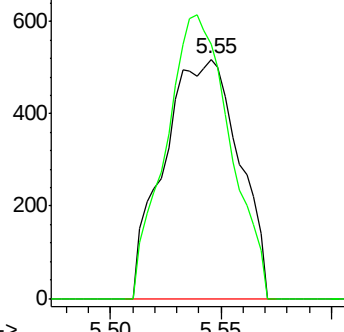
117 100

119 101.9 76.1 114.1



Abundance Ion 116.90 (116.60 to 117.60): V

Ion 118.90 (118.60 to 119.60): V



#34

Trichloroethene

Concen: 0.847 ug/L

RT: 6.56 min Scan# 1622

Delta R.T. 0.00 min

Lab File: VU041084.D

Acq: 03 Nov 2020 17:45

Tgt Ion: 95 Resp: 3501

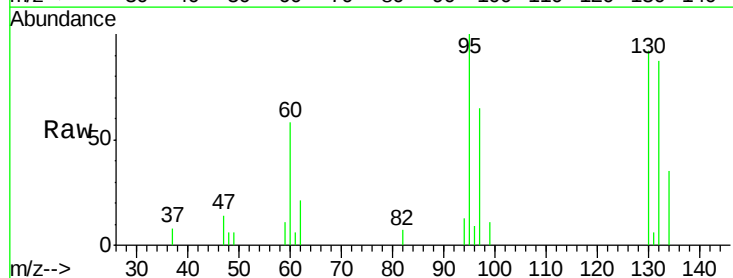
Ion Ratio Lower Upper

95 100

97 64.5 45.6 84.6

132 86.7 64.8 120.4

130 92.0 64.8 120.4

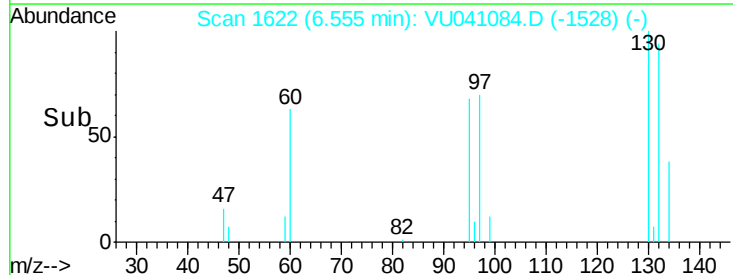
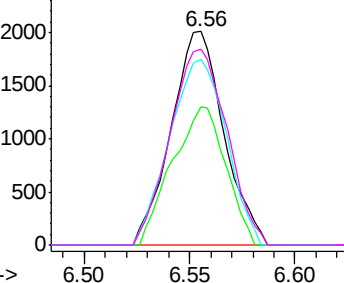


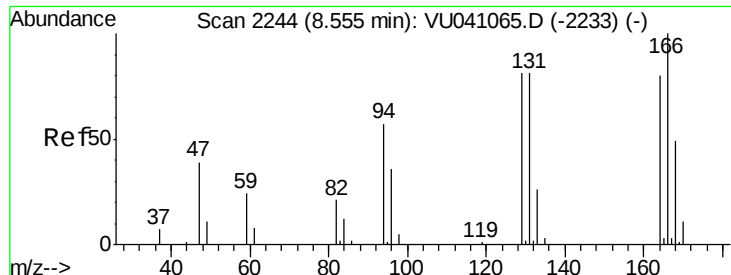
Abundance Ion 95.00 (94.70 to 95.70): VU0

Ion 96.95 (96.65 to 97.65): VU0

Ion 131.95 (131.65 to 132.65): VU0

Ion 129.95 (129.65 to 130.65): VU0





#47

Tetrachloroethene

Concen: 42.832 ug/L

RT: 8.56 min Scan# 2245

Delta R.T. 0.00 min

Lab File: VU041084.D

Acq: 03 Nov 2020 17:45

Instrument :

MSVOA\_U

ClientSampleId :

C0AA1

Tot Ion:164 Resp: 130254

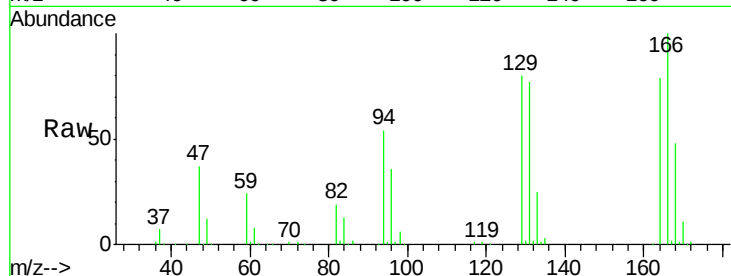
Ion Ratio Lower Upper

164 100

129 102.2 70.3 130.7

131 98.2 70.8 131.4

166 127.2 92.0 170.8



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

