

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU101620\  
 Data File : VU040753.D  
 Acq On : 16 Oct 2020 17:28  
 Operator : SY/MD  
 Sample : L4419-17  
 Misc : 25.0mL/MSVOA U/WATER  
 ALS Vial : 20 Sample Multiplier: 1

Instrument :  
 MSVOA\_U  
 ClientSampleId :  
 C0AJ7

Quant Time: Oct 17 01:19:12 2020  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_U\METHOD\SOMUTR100820WMA.M  
 Quant Title : TRACE VOA SOM01.0  
 QLast Update : Fri Oct 16 23:38:52 2020  
 Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc | Units | Dev(Min) |
|----------------------------|-------|------|----------|------|-------|----------|
| 1) 1,4-Difluorobenzene     | 6.26  | 114  | 110187   | 5.00 | ug/L  | 0.00     |
| 28) Chlorobenzene-d5       | 9.42  | 117  | 116745   | 5.00 | ug/L  | 0.00     |
| 60) 1,4-Dichlorobenzene-d4 | 11.81 | 152  | 45899    | 5.00 | ug/L  | 0.00     |

## System Monitoring Compounds

|                                |        |       |          |          |      |         |
|--------------------------------|--------|-------|----------|----------|------|---------|
| 4) Vinyl Chloride-d3           | 1.61   | 65    | 37684    | 4.13     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 40 - 130 | Recovery | =    | 82.60%  |
| 7) Chloroethane-d5             | 1.92   | 69    | 36286    | 5.15     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 65 - 130 | Recovery | =    | 103.00% |
| 11) 1,1-Dichloroethene-d2      | 2.58   | 63    | 60142    | 3.37     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 60 - 125 | Recovery | =    | 67.40%  |
| 20) 2-Butanone-d5              | 4.66   | 46    | 158481   | 54.24    | ug/L | 0.00    |
| Spiked Amount                  | 50.000 | Range | 40 - 130 | Recovery | =    | 108.48% |
| 24) Chloroform-d               | 5.08   | 84    | 85010    | 5.31     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 70 - 125 | Recovery | =    | 106.20% |
| 26) 1,2-Dichloroethane-d4      | 5.72   | 65    | 53147    | 5.45     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 70 - 130 | Recovery | =    | 109.00% |
| 32) Benzene-d6                 | 5.74   | 84    | 152594   | 4.85     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 70 - 125 | Recovery | =    | 97.00%  |
| 36) 1,2-Dichloropropane-d6     | 6.70   | 67    | 53853    | 5.15     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 60 - 140 | Recovery | =    | 103.00% |
| 41) Toluene-d8                 | 7.91   | 98    | 119184   | 4.23     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 70 - 130 | Recovery | =    | 84.60%  |
| 43) trans-1,3-Dichloropropene- | 8.19   | 79    | 17933    | 4.05     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 55 - 130 | Recovery | =    | 81.00%  |
| 46) 2-Hexanone-d5              | 8.64   | 63    | 106450   | 46.65    | ug/L | 0.00    |
| Spiked Amount                  | 50.000 | Range | 45 - 130 | Recovery | =    | 93.30%  |
| 57) 1,1,2,2-Tetrachloroethane- | 10.75  | 84    | 46752    | 4.99     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 65 - 120 | Recovery | =    | 99.80%  |
| 64) 1,2-Dichlorobenzene-d4     | 12.19  | 152   | 47770    | 5.61     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 80 - 120 | Recovery | =    | 112.20% |

## Target Compounds

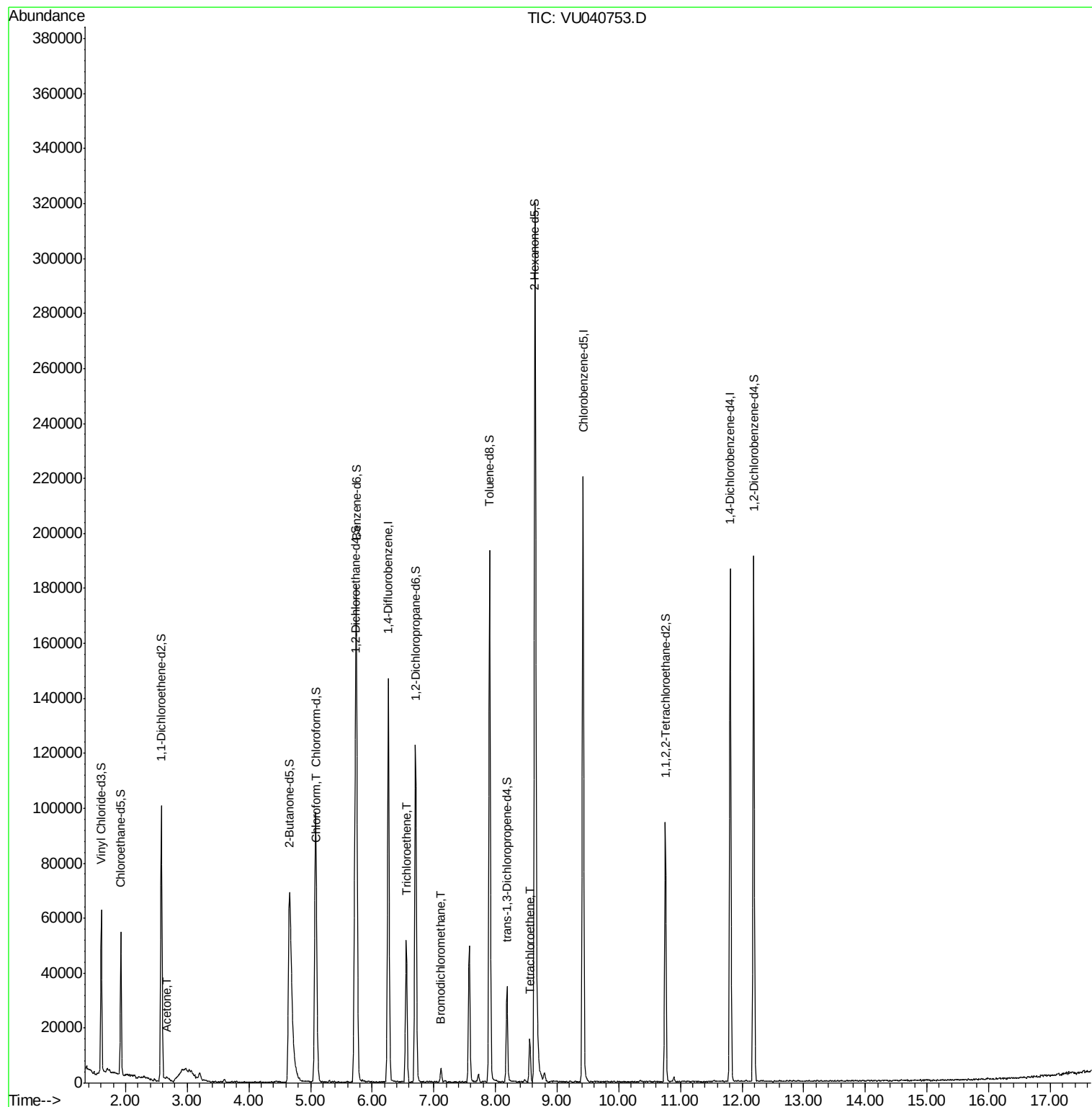
|                          |      |     |       |              | Ovalue |
|--------------------------|------|-----|-------|--------------|--------|
| 13) Acetone              | 2.66 | 43  | 2487  | 1.098 ug/L   | 82     |
| 25) Chloroform           | 5.11 | 83  | 8901  | 0.512 ug/L   | 96     |
| 34) Trichloroethene      | 6.55 | 95  | 16517 | 1.699 ug/L   | 97     |
| 38) Bromodichloromethane | 7.12 | 83  | 3443  | 0.258 ug/L # | 92     |
| 47) Tetrachloroethene    | 8.56 | 164 | 3512  | 0.506 ug/L   | 93     |

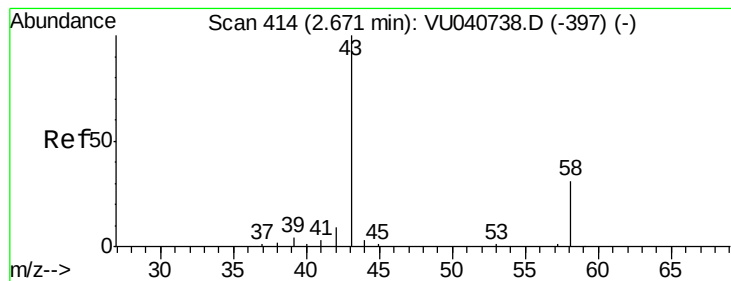
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Fri Oct 16 23:38:52 2020  
Response via : Initial Calibration





#13

Acetone

Concen: 1.098 ug/L

RT: 2.66 min Scan# 412

Delta R.T. -0.01 min

Lab File: VU040753.D

Acq: 16 Oct 2020 17:28

Instrument :

MSVOA\_U

ClientSampleId :

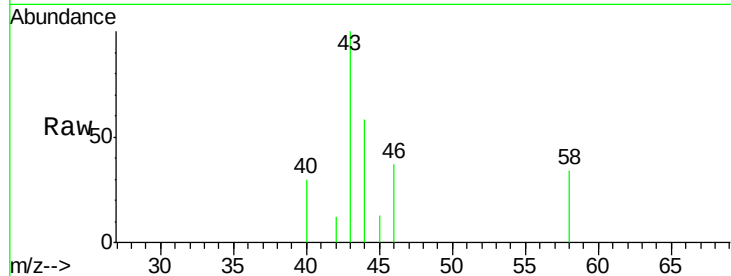
C0AJ7

Tot Ion: 43 Resp: 2487

Ion Ratio Lower Upper

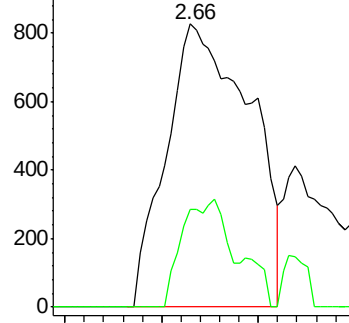
43 100

58 20.7 0.0 60.6

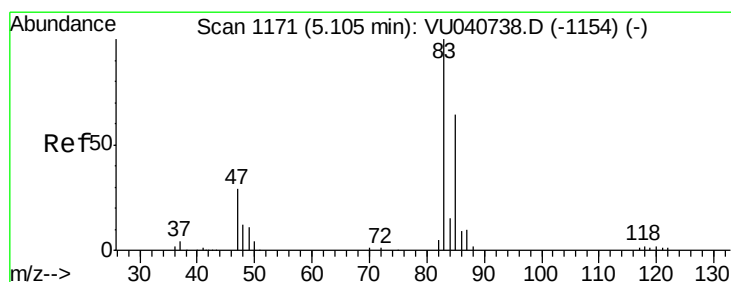
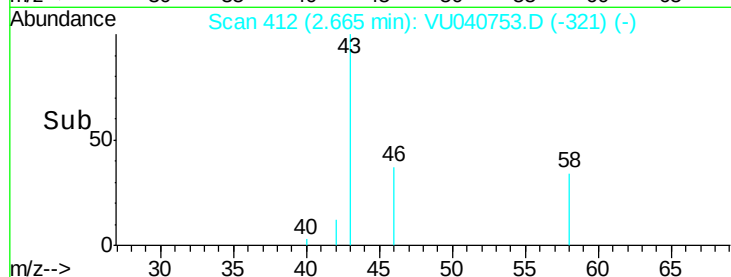


Abundance Ion 43.05 (42.75 to 43.75): VU0

Ion 58.05 (57.75 to 58.75): VU0



Time--> 2.60 2.65 2.70



#25

Chloroform

Concen: 0.512 ug/L

RT: 5.11 min Scan# 1171

Delta R.T. -0.00 min

Lab File: VU040753.D

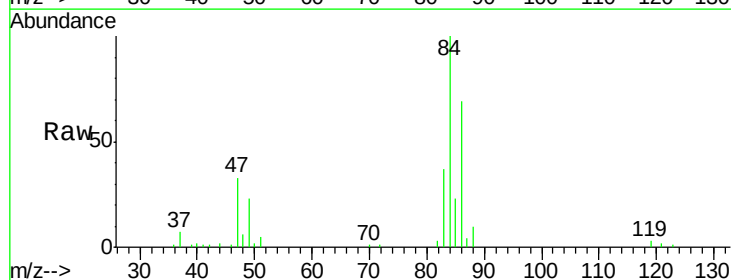
Acq: 16 Oct 2020 17:28

Tgt Ion: 83 Resp: 8901

Ion Ratio Lower Upper

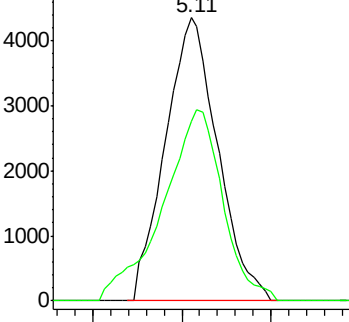
83 100

85 63.4 46.5 86.5

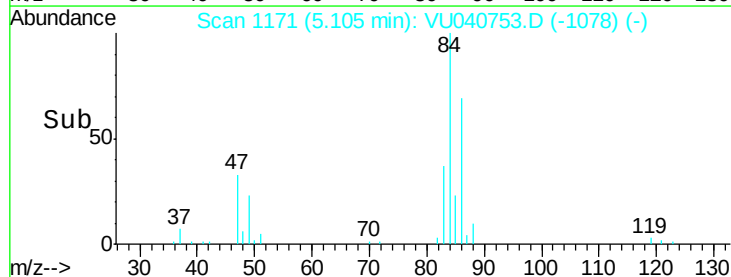


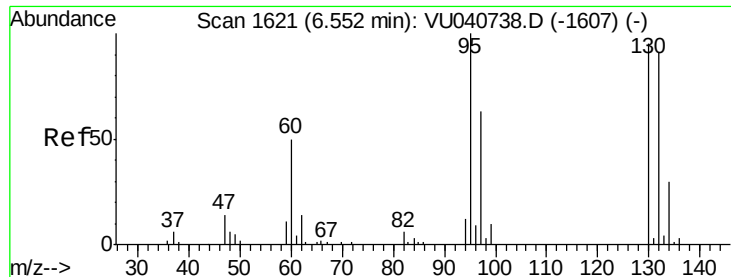
Abundance Ion 83.05 (82.75 to 83.75): VU0

Ion 85.00 (84.70 to 85.70): VU0



Time--> 5.05 5.10 5.15

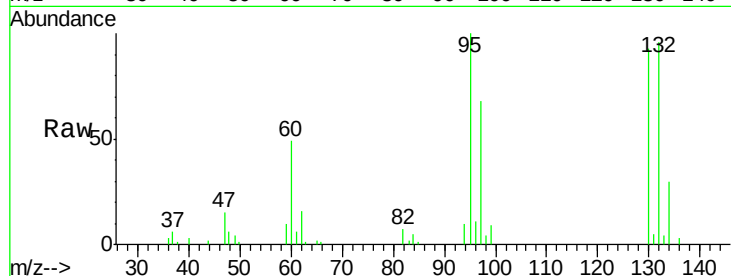




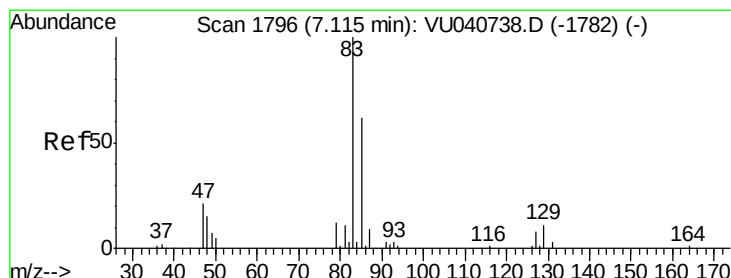
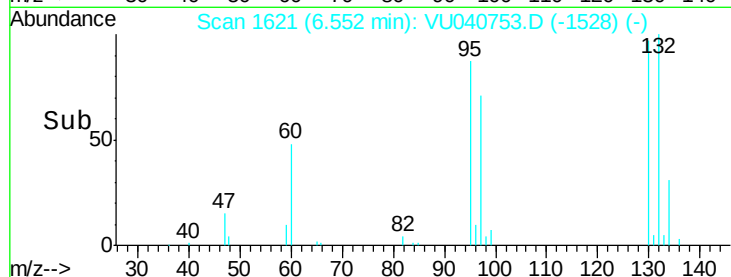
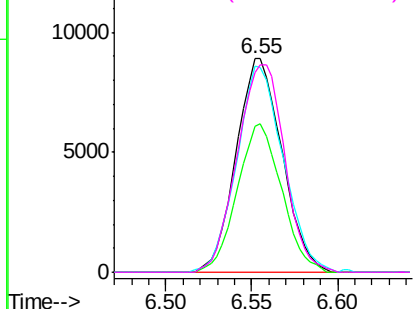
#34  
 Trichloroethene  
 Concen: 1.699 ug/L  
 RT: 6.55 min Scan# 1621  
 Delta R.T. -0.00 min  
 Lab File: VU040753.D  
 Acq: 16 Oct 2020 17:28

Instrument :  
 MSVOA\_U  
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|          |       |       |       |
|----------|-------|-------|-------|
| Tot Ion: | 95    | Resp: | 16517 |
| Ion      | Ratio | Lower | Upper |
| 95       | 100   |       |       |
| 97       | 68.1  | 45.5  | 84.5  |
| 132      | 96.4  | 67.5  | 125.4 |
| 130      | 93.4  | 69.9  | 129.9 |

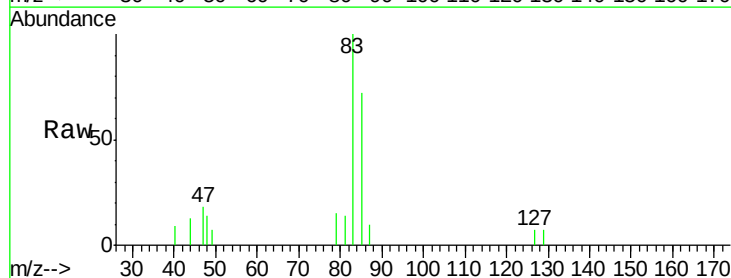


Abundance Ion 95.00 (94.70 to 95.70): VU0  
 Ion 96.95 (96.65 to 97.65): VU0  
 Ion 131.95 (131.65 to 132.65): V  
 Ion 129.95 (129.65 to 130.65): V

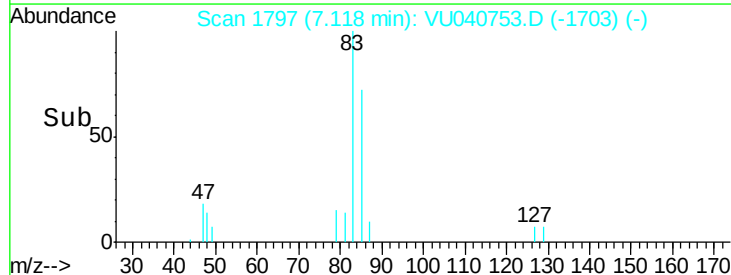
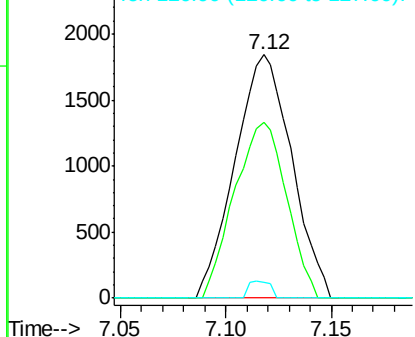


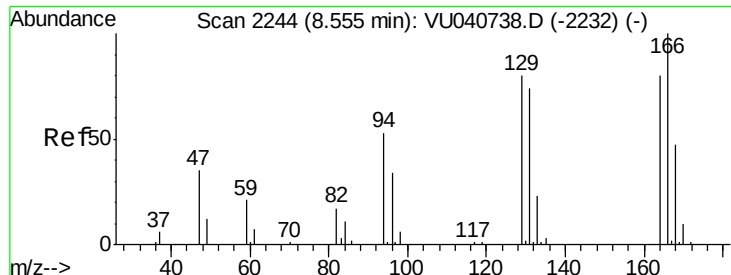
#38  
 Bromodichloromethane  
 Concen: 0.258 ug/L  
 RT: 7.12 min Scan# 1797  
 Delta R.T. 0.00 min  
 Lab File: VU040753.D  
 Acq: 16 Oct 2020 17:28

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 83    | Resp: | 3443  |
| Ion      | Ratio | Lower | Upper |
| 83       | 100   |       |       |
| 85       | 72.4  | 46.0  | 85.4  |
| 127      | 6.7   | 6.7   | 10.1# |



Abundance Ion 82.95 (82.65 to 83.65): VU0  
 Ion 85.00 (84.70 to 85.70): VU0  
 Ion 126.90 (126.60 to 127.60): V





#47

Tetrachloroethene

Concen: 0.506 ug/L

RT: 8.56 min Scan# 2245

Delta R.T. 0.00 min

Lab File: VU040753.D

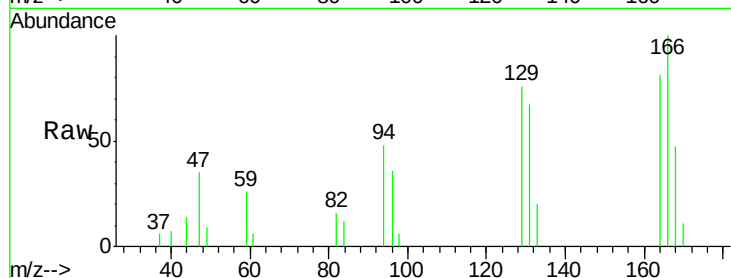
Acq: 16 Oct 2020 17:28

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Tot Ion:164 Resp: 3512

Ion Ratio Lower Upper

164 100

129 93.5 68.8 127.8

131 82.5 66.7 123.9

166 123.7 83.9 155.7

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

