

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\U101920\  
 Data File : VU040800.D  
 Acq On : 19 Oct 2020 13:23  
 Operator : SY/MD  
 Sample : L4419-15DL 5X  
 Misc : 25.0mL/MSVOA U/WATER  
 ALS Vial : 11 Sample Multiplier: 1

Instrument :  
 MSVOA\_U  
 ClientSampleId :  
 C0AJ5DL

Quant Time: Oct 20 02:39:12 2020  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_U\METHOD\SOMUTR100820WMA.M  
 Quant Title : TRACE VOA SOM01.0  
 QLast Update : Tue Oct 20 01:28:45 2020  
 Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc | Units | Dev(Min) |
|----------------------------|-------|------|----------|------|-------|----------|
| 1) 1,4-Difluorobenzene     | 6.26  | 114  | 115197   | 5.00 | ug/L  | 0.00     |
| 28) Chlorobenzene-d5       | 9.42  | 117  | 123460   | 5.00 | ug/L  | 0.00     |
| 60) 1,4-Dichlorobenzene-d4 | 11.81 | 152  | 49640    | 5.00 | ug/L  | 0.00     |

## System Monitoring Compounds

|                                |        |       |          |          |      |         |
|--------------------------------|--------|-------|----------|----------|------|---------|
| 4) Vinyl Chloride-d3           | 1.60   | 65    | 32518    | 3.41     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 40 - 130 | Recovery | =    | 68.20%  |
| 7) Chloroethane-d5             | 1.92   | 69    | 33722    | 4.58     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 65 - 130 | Recovery | =    | 91.60%  |
| 11) 1,1-Dichloroethene-d2      | 2.58   | 63    | 57724    | 3.09     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 60 - 125 | Recovery | =    | 61.80%  |
| 20) 2-Butanone-d5              | 4.66   | 46    | 176525   | 57.79    | ug/L | 0.00    |
| Spiked Amount                  | 50.000 | Range | 40 - 130 | Recovery | =    | 115.58% |
| 24) Chloroform-d               | 5.08   | 84    | 85508    | 5.11     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 70 - 125 | Recovery | =    | 102.20% |
| 26) 1,2-Dichloroethane-d4      | 5.72   | 65    | 53870    | 5.28     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 70 - 130 | Recovery | =    | 105.60% |
| 32) Benzene-d6                 | 5.75   | 84    | 146308   | 4.40     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 70 - 125 | Recovery | =    | 88.00%  |
| 36) 1,2-Dichloropropane-d6     | 6.70   | 67    | 54634    | 4.94     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 60 - 140 | Recovery | =    | 98.80%  |
| 41) Toluene-d8                 | 7.91   | 98    | 112175   | 3.76     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 70 - 130 | Recovery | =    | 75.20%  |
| 43) trans-1,3-Dichloropropene- | 8.19   | 79    | 19584    | 4.18     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 55 - 130 | Recovery | =    | 83.60%  |
| 46) 2-Hexanone-d5              | 8.64   | 63    | 119500   | 49.52    | ug/L | 0.00    |
| Spiked Amount                  | 50.000 | Range | 45 - 130 | Recovery | =    | 99.04%  |
| 57) 1,1,2,2-Tetrachloroethane- | 10.75  | 84    | 50084    | 5.05     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 65 - 120 | Recovery | =    | 101.00% |
| 64) 1,2-Dichlorobenzene-d4     | 12.19  | 152   | 48764    | 5.30     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 80 - 120 | Recovery | =    | 106.00% |

## Target Compounds

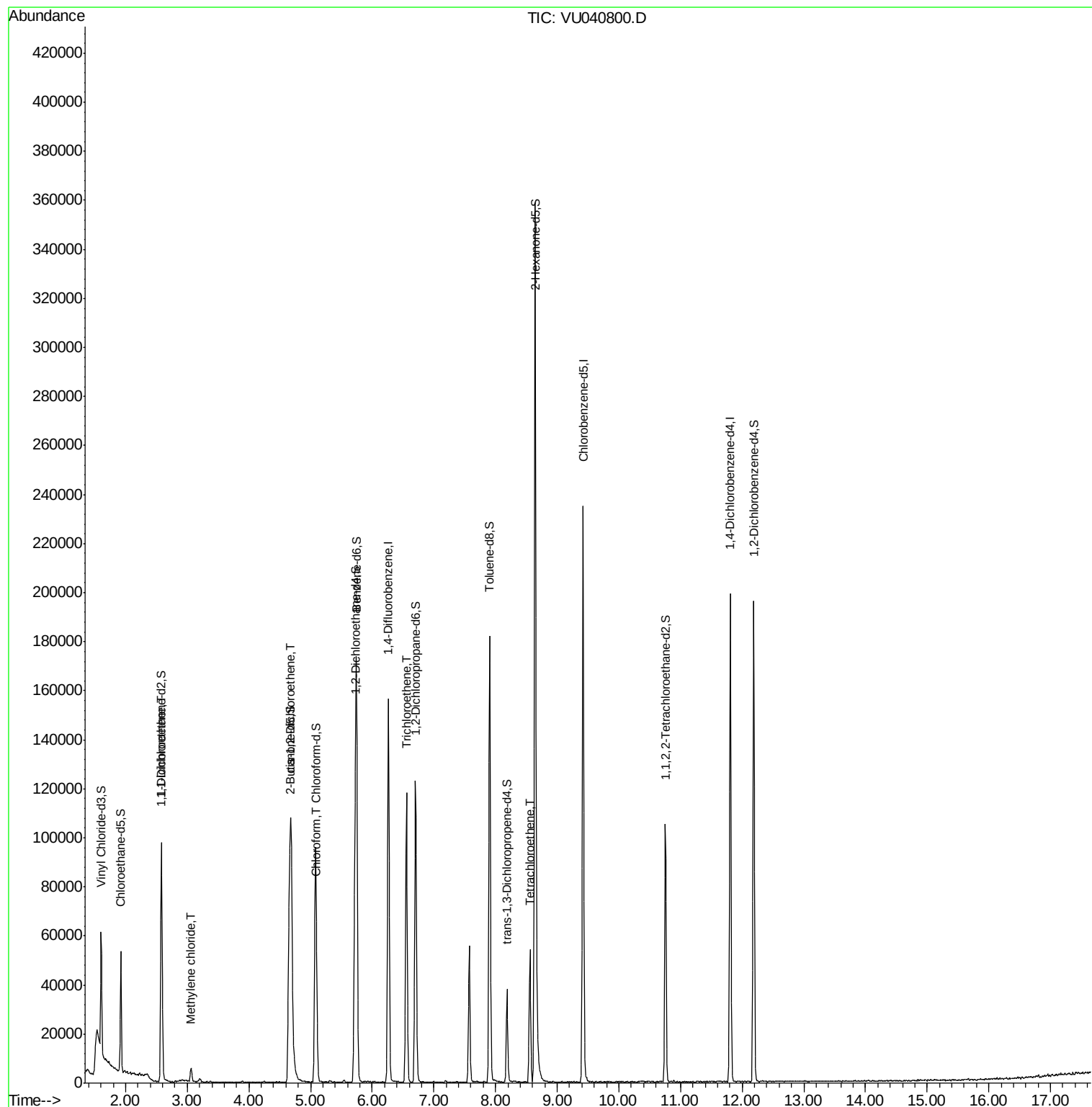
|                            |      |     |       |            | Ovalue |
|----------------------------|------|-----|-------|------------|--------|
| 12) 1,1-Dichloroethene     | 2.59 | 96  | 5714  | 0.695 ug/L | # 1    |
| 16) Methylene chloride     | 3.06 | 84  | 2365  | 0.224 ug/L | 96     |
| 22) cis-1,2-Dichloroethene | 4.68 | 96  | 30040 | 3.238 ug/L | 99     |
| 25) Chloroform             | 5.11 | 83  | 4102  | 0.226 ug/L | 99     |
| 34) Trichloroethene        | 6.55 | 95  | 39394 | 3.832 ug/L | 96     |
| 47) Tetrachloroethene      | 8.56 | 164 | 11777 | 1.606 ug/L | 97     |

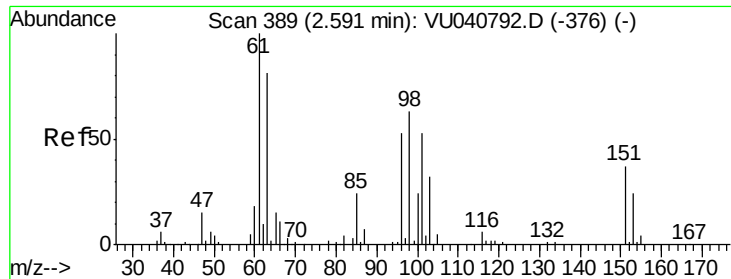
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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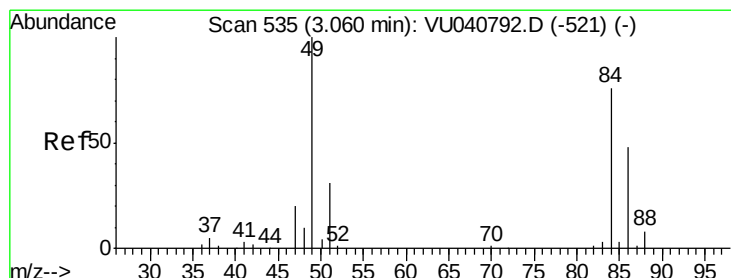
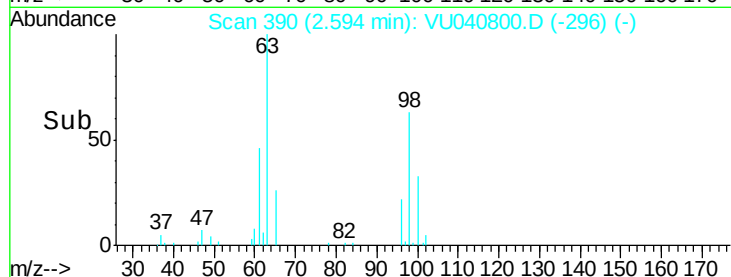
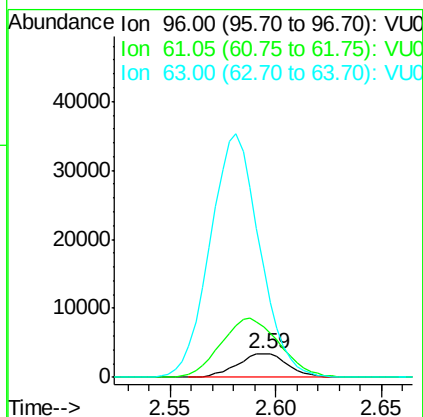
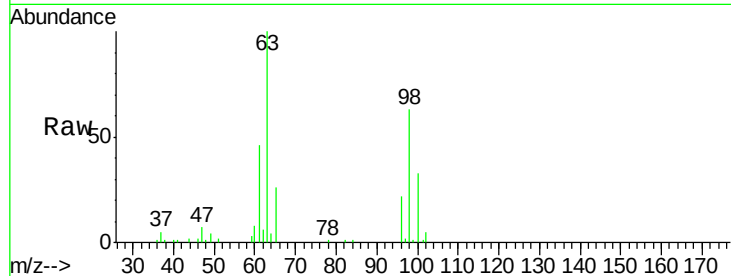




#12  
1,1-Dichloroethene  
Concen: 0.695 ug/L  
RT: 2.59 min Scan# 390  
Delta R.T. 0.00 min  
Lab File: VU040800.D  
Acq: 19 Oct 2020 13:23

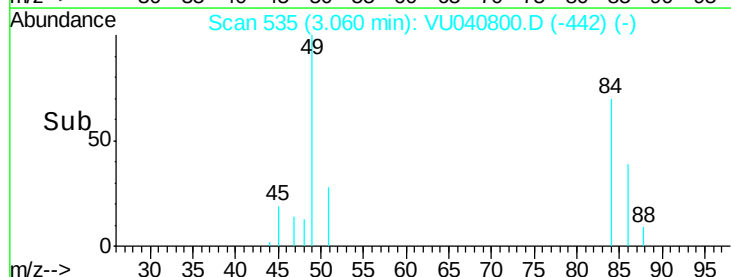
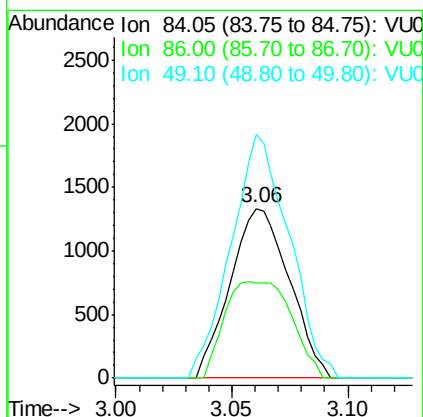
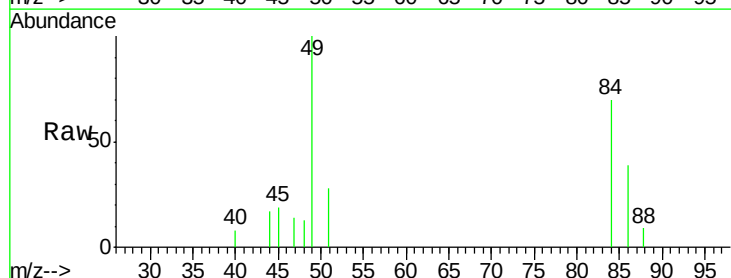
Instrument :  
MSVOA\_U  
ClientSampleId :  
C0AJ5DL

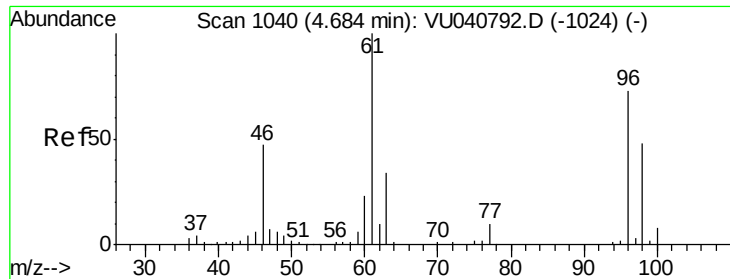
Tot Ion: 96 Resp: 5714  
Ion Ratio Lower Upper  
96 100  
61 211.3 128.8 239.2  
63 460.5 84.6 157.2#



#16  
Methylene chloride  
Concen: 0.224 ug/L  
RT: 3.06 min Scan# 535  
Delta R.T. 0.00 min  
Lab File: VU040800.D  
Acq: 19 Oct 2020 13:23

Tgt Ion: 84 Resp: 2365  
Ion Ratio Lower Upper  
84 100  
86 56.5 45.4 84.4  
49 143.6 99.8 185.3





#22

cis-1,2-Dichloroethene

Concen: 3.238 ug/L

RT: 4.68 min Scan# 1040

Delta R.T. 0.00 min

Lab File: VU040800.D

Acq: 19 Oct 2020 13:23

Instrument :

MSVOA\_U

ClientSampleId :

C0AJ5DL

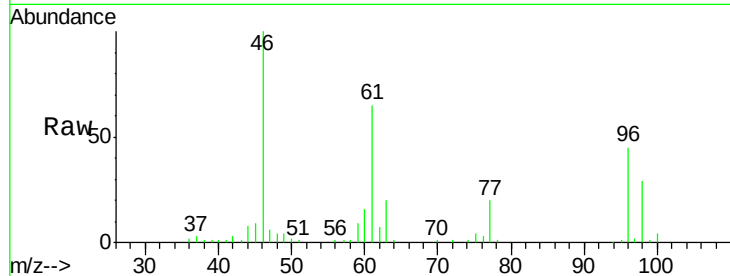
Tot Ion: 96 Resp: 30040

Ion Ratio Lower Upper

96 100

61 143.6 99.8 185.4

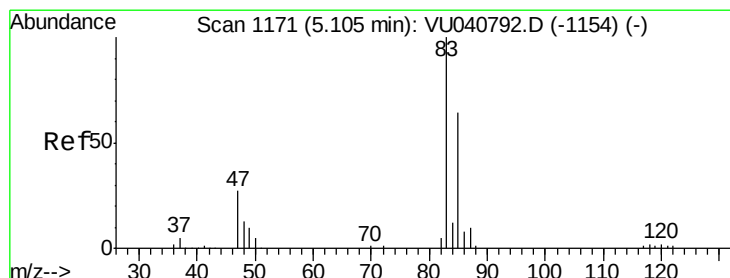
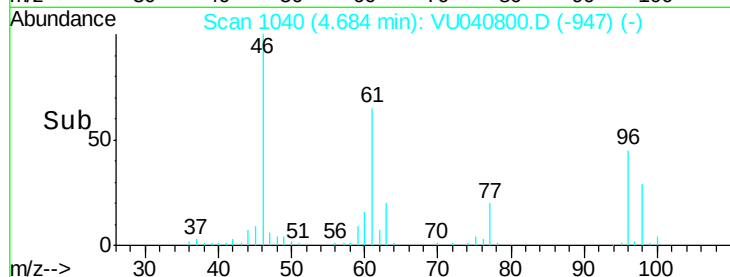
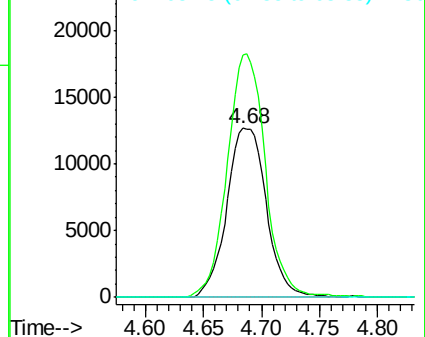
68 0.0 0.0 0.0



Abundance Ion 96.00 (95.70 to 96.70): VU040800.D (-947) (-)

Ion 61.05 (60.75 to 61.75): VU040800.D (-947) (-)

Ion 68.15 (67.85 to 68.85): VU040800.D (-947) (-)



#25

Chloroform

Concen: 0.226 ug/L

RT: 5.11 min Scan# 1171

Delta R.T. 0.00 min

Lab File: VU040800.D

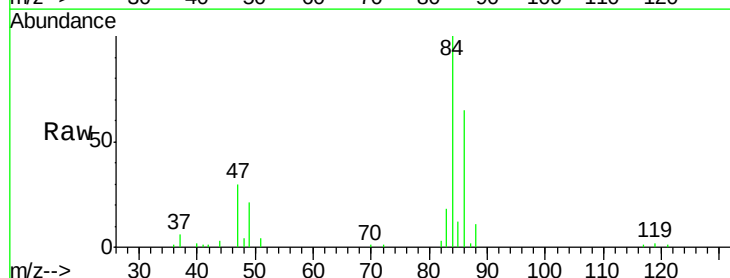
Acq: 19 Oct 2020 13:23

Tgt Ion: 83 Resp: 4102

Ion Ratio Lower Upper

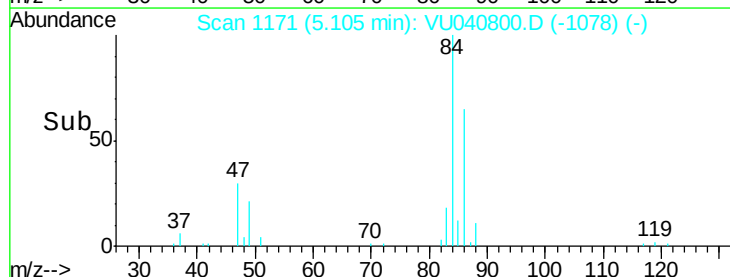
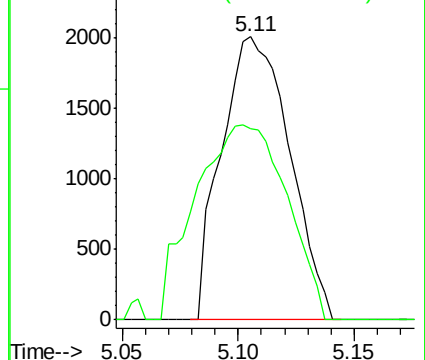
83 100

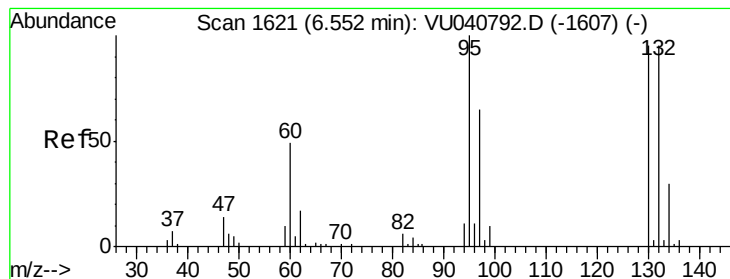
85 67.6 46.5 86.5



Abundance Ion 83.05 (82.75 to 83.75): VU040800.D (-1078) (-)

Ion 85.00 (84.70 to 85.70): VU040800.D (-1078) (-)





#34

Trichloroethene

Concen: 3.832 ug/L

RT: 6.55 min Scan# 1621

Delta R.T. 0.00 min

Lab File: VU040800.D

Acq: 19 Oct 2020 13:23

Instrument :

MSVOA\_U

ClientSampleId :

C0AJ5DL

Tot Ion: 95 Resp: 39394

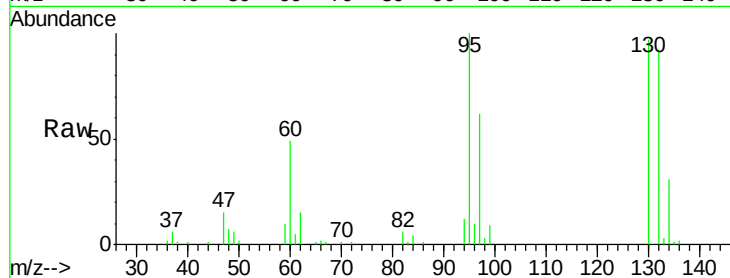
Ion Ratio Lower Upper

95 100

97 62.1 45.5 84.5

132 92.5 67.5 125.4

130 97.1 69.9 129.9

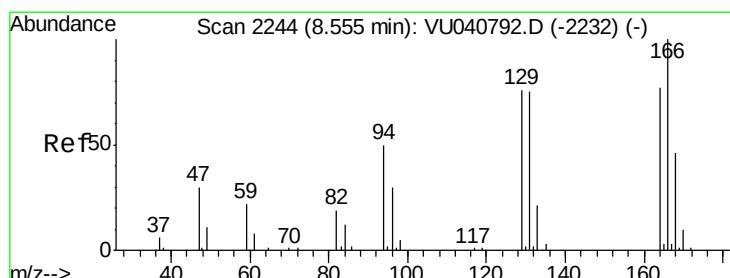
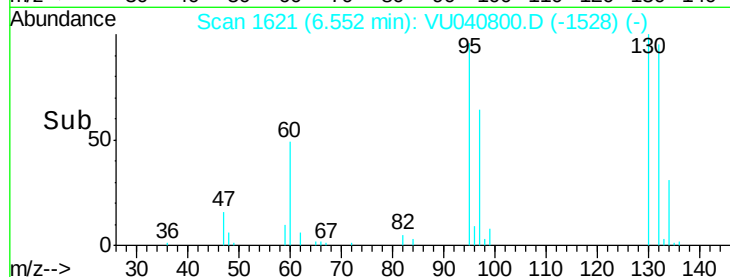
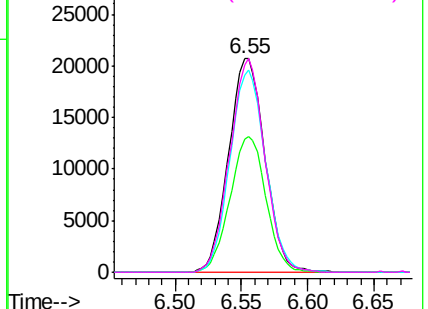


Abundance Ion 95.00 (94.70 to 95.70): VU0

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



#47

Tetrachloroethene

Concen: 1.606 ug/L

RT: 8.56 min Scan# 2245

Delta R.T. 0.00 min

Lab File: VU040800.D

Acq: 19 Oct 2020 13:23

Tgt Ion: 164 Resp: 11777

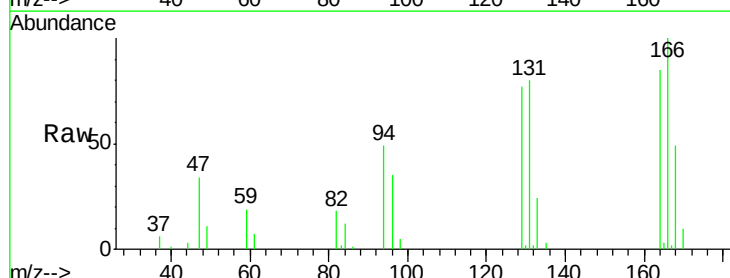
Ion Ratio Lower Upper

164 100

129 91.0 68.8 127.8

131 94.7 66.7 123.9

166 117.8 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

