

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\U031220\  
 Data File : VU037211.D  
 Acq On : 13 Mar 2020 00:13  
 Operator : JC/MD  
 Sample : L1886-02  
 Misc : 5.0mL/MSVOA U/WATER  
 ALS Vial : 31 Sample Multiplier: 1

Instrument :  
 MSVOA\_U  
 ClientSampleId :  
 C0NA2

Quant Time: Mar 13 08:49:57 2020  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_U\METHOD\SOMULM031220WMA.M  
 Quant Title : VOC Analysis  
 QLast Update : Fri Mar 13 08:28:33 2020  
 Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|----------------------------|-------|------|----------|-------|-------|----------|
| 1) 1,4-Difluorobenzene     | 6.28  | 114  | 390548   | 50.00 | ug/L  | 0.00     |
| 28) Chlorobenzene-d5       | 9.44  | 117  | 384946   | 50.00 | ug/L  | 0.00     |
| 60) 1,4-Dichlorobenzene-d4 | 11.83 | 152  | 161602   | 50.00 | ug/L  | 0.00     |

## System Monitoring Compounds

|                                |         |       |          |          |      |         |
|--------------------------------|---------|-------|----------|----------|------|---------|
| 4) Vinyl Chloride-d3           | 1.61    | 65    | 139235   | 46.06    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 60 - 135 | Recovery | =    | 92.12%  |
| 7) Chloroethane-d5             | 1.93    | 69    | 117720   | 48.31    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 70 - 130 | Recovery | =    | 96.62%  |
| 11) 1,1-Dichloroethene-d2      | 2.59    | 63    | 205455   | 37.05    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 60 - 125 | Recovery | =    | 74.10%  |
| 21) 2-Butanone-d5              | 4.67    | 46    | 255678   | 106.89   | ug/L | 0.00    |
| Spiked Amount                  | 100.000 | Range | 40 - 130 | Recovery | =    | 106.89% |
| 24) Chloroform-d               | 5.11    | 84    | 283690   | 48.82    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 70 - 125 | Recovery | =    | 97.64%  |
| 26) 1,2-Dichloroethane-d4      | 5.74    | 65    | 211805   | 49.79    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 70 - 125 | Recovery | =    | 99.58%  |
| 32) Benzene-d6                 | 5.76    | 84    | 519129   | 48.99    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 70 - 125 | Recovery | =    | 97.98%  |
| 36) 1,2-Dichloropropane-d6     | 6.72    | 67    | 173005   | 49.87    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 70 - 120 | Recovery | =    | 99.74%  |
| 41) Toluene-d8                 | 7.92    | 98    | 481279   | 47.51    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 80 - 120 | Recovery | =    | 95.02%  |
| 43) trans-1,3-Dichloropropene- | 8.20    | 79    | 87538    | 46.36    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 60 - 125 | Recovery | =    | 92.72%  |
| 47) 2-Hexanone-d5              | 8.66    | 63    | 179473   | 99.93    | ug/L | 0.00    |
| Spiked Amount                  | 100.000 | Range | 45 - 130 | Recovery | =    | 99.93%  |
| 57) 1,1,2,2-Tetrachloroethane- | 10.77   | 84    | 254038   | 47.28    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 65 - 120 | Recovery | =    | 94.56%  |
| 64) 1,2-Dichlorobenzene-d4     | 12.21   | 152   | 179919   | 53.67    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 80 - 120 | Recovery | =    | 107.34% |

## Target Compounds

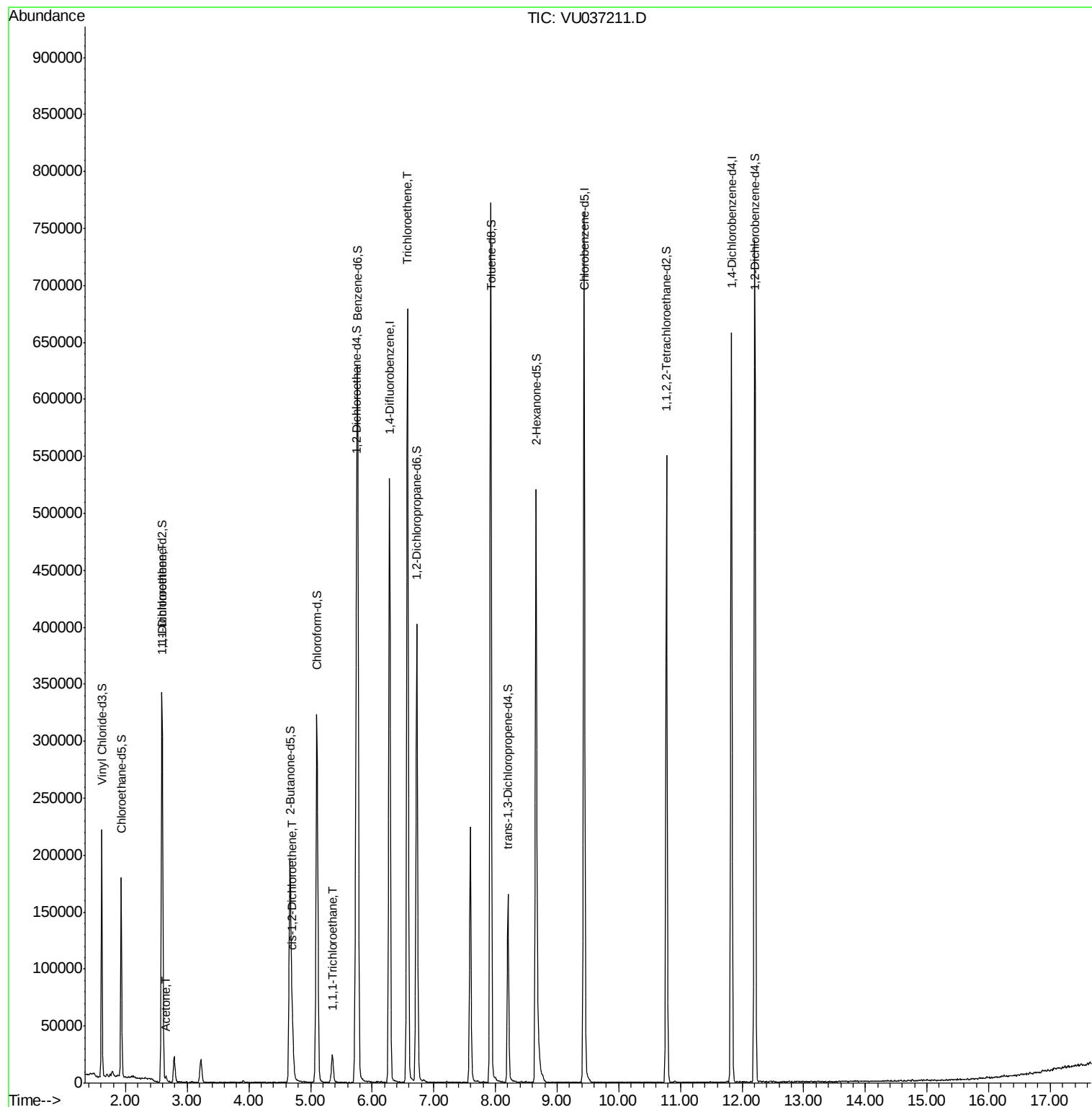
|                            |      |    |        |             | Ovalue |
|----------------------------|------|----|--------|-------------|--------|
| 12) 1,1-Dichloroethene     | 2.60 | 96 | 12097  | 5.249 ug/L  | # 1    |
| 13) Acetone                | 2.66 | 43 | 5246   | 2.312 ug/L  | 99     |
| 20) cis-1,2-Dichloroethene | 4.71 | 96 | 17440  | 5.971 ug/L  | 97     |
| 30) 1,1,1-Trichloroethane  | 5.36 | 97 | 17958  | 3.515 ug/L  | 98     |
| 34) Trichloroethene        | 6.57 | 95 | 223049 | 75.651 ug/L | 97     |

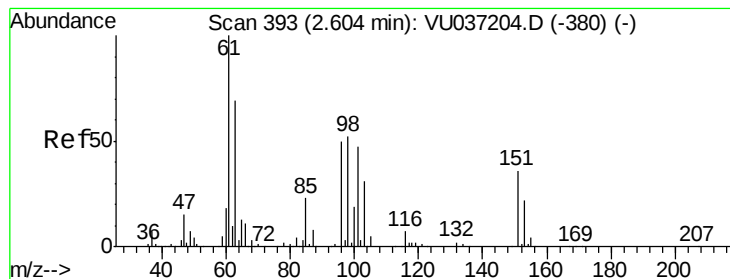
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : VOC Analysis  
QLast Update : Fri Mar 13 08:28:33 2020  
Response via : Initial Calibration





#12

1,1-Dichloroethene

Concen: 5.249 ug/L

RT: 2.60 min Scan# 393

Delta R.T. 0.00 min

Lab File: VU037211.D

Acq: 13 Mar 2020 00:13

Instrument :

MSVOA\_U

ClientSampleId :

C0NA2

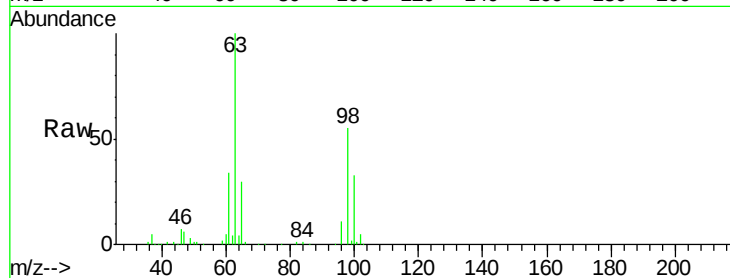
Tot Ion: 96 Resp: 12097

Ion Ratio Lower Upper

96 100

61 311.0 138.8 257.8#

63 915.1 106.4 197.6#

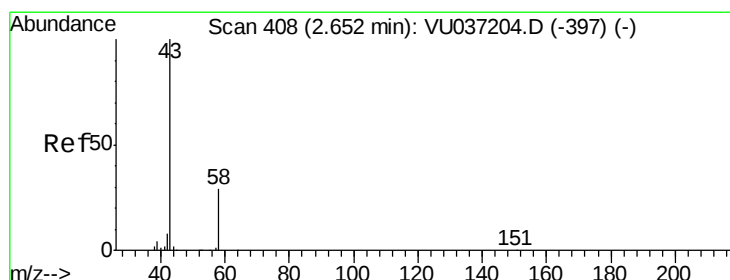
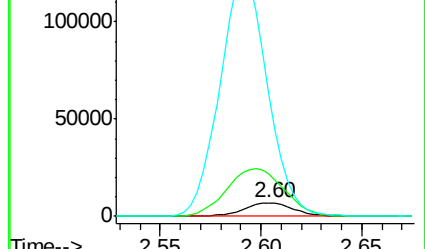
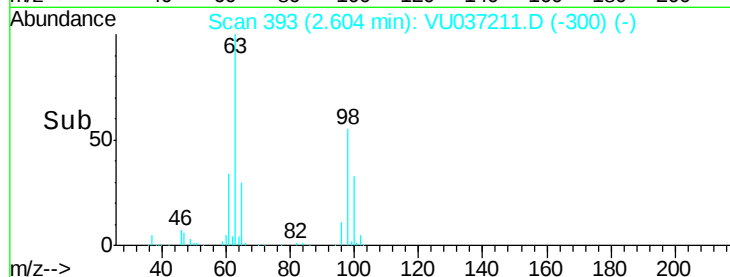


Abundance Ion 96.00 (95.70 to 96.70): VU037211.D (-300) (-)

Ion 61.00 (60.70 to 61.70): VU037211.D (-300) (-)

Ion 63.00 (62.70 to 63.70): VU037211.D (-300) (-)

Time-->



#13

Acetone

Concen: 2.312 ug/L

RT: 2.66 min Scan# 409

Delta R.T. 0.00 min

Lab File: VU037211.D

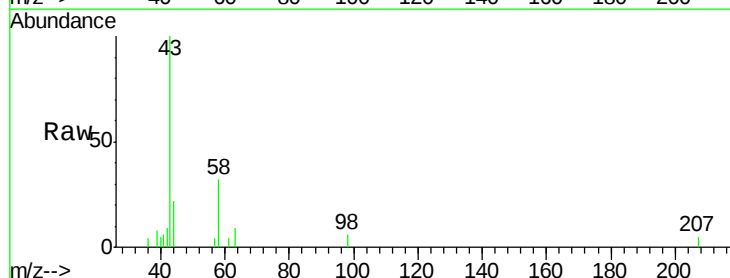
Acq: 13 Mar 2020 00:13

Tgt Ion: 43 Resp: 5246

Ion Ratio Lower Upper

43 100

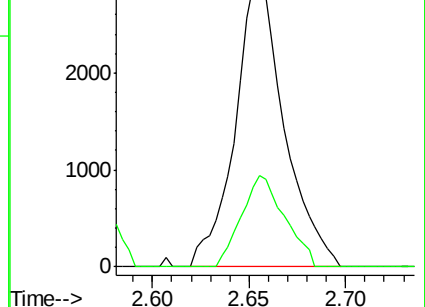
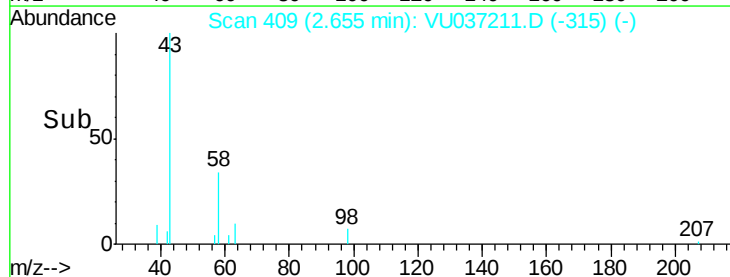
58 27.9 0.0 57.2

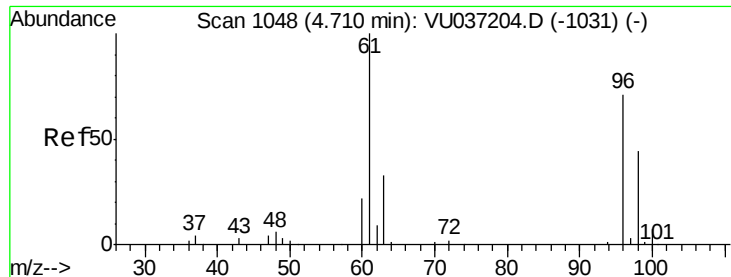


Abundance Ion 43.00 (42.70 to 43.70): VU037211.D (-315) (-)

Ion 58.00 (57.70 to 58.70): VU037211.D (-315) (-)

Time-->

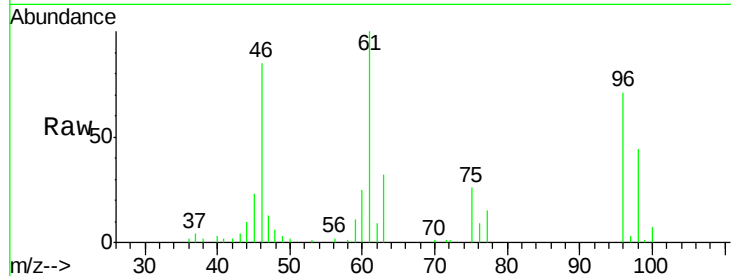




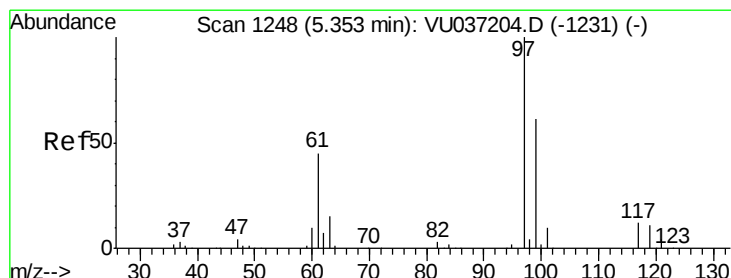
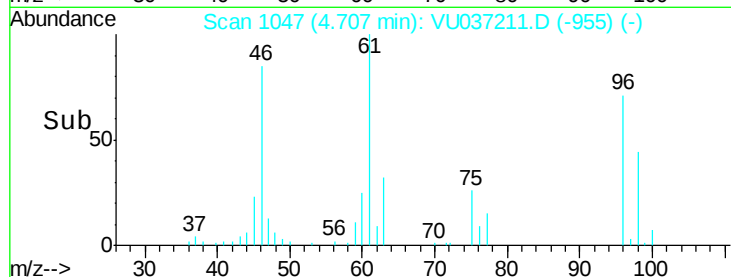
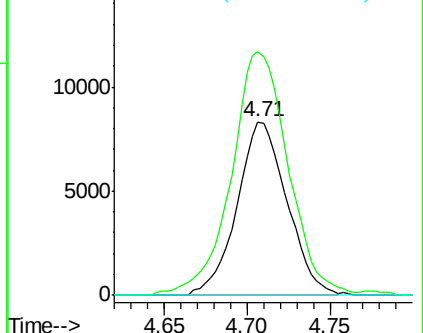
#20  
 cis-1,2-Dichloroethene  
 Concen: 5.971 ug/L  
 RT: 4.71 min Scan# 1047  
 Delta R.T. -0.00 min  
 Lab File: VU037211.D  
 Acq: 13 Mar 2020 00:13

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Tot Ion: 96 Resp: 17440  
 Ion Ratio Lower Upper  
 96 100  
 61 140.4 101.2 187.8  
 68 0.0 0.0 0.0

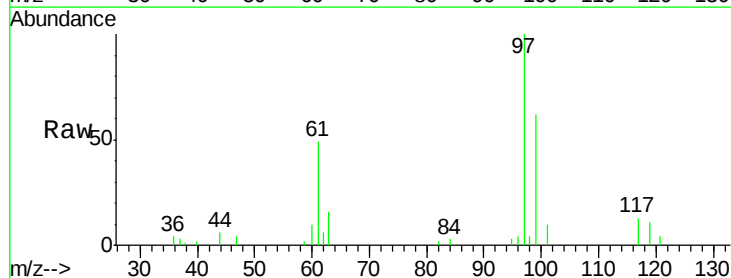


Abundance Ion 96.00 (95.70 to 96.70): VU0  
 Ion 61.00 (60.70 to 61.70): VU0  
 Ion 68.00 (67.70 to 68.70): VU0

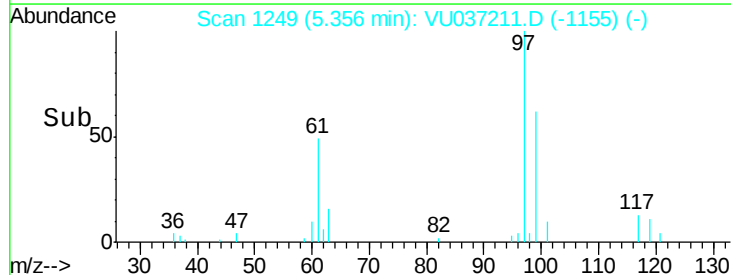
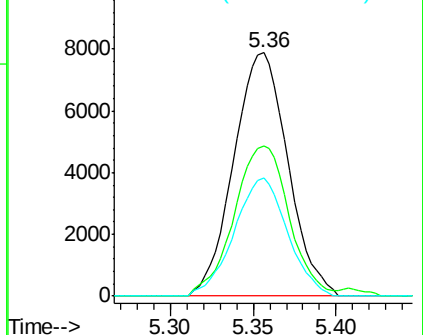


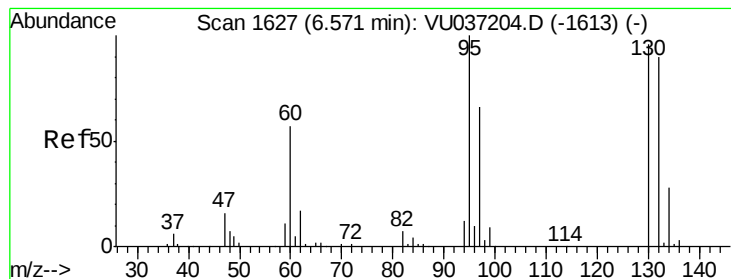
#30  
 1,1,1-Trichloroethane  
 Concen: 3.515 ug/L  
 RT: 5.36 min Scan# 1249  
 Delta R.T. 0.00 min  
 Lab File: VU037211.D  
 Acq: 13 Mar 2020 00:13

Tgt Ion: 97 Resp: 17958  
 Ion Ratio Lower Upper  
 97 100  
 99 62.5 51.4 77.0  
 61 47.8 39.0 58.4



Abundance Ion 97.00 (96.70 to 97.70): VU0  
 Ion 99.00 (98.70 to 99.70): VU0  
 Ion 61.05 (60.75 to 61.75): VU0





#34

Trichloroethene

Concen: 75.651 ug/L

RT: 6.57 min Scan# 1627

Delta R.T. 0.00 min

Lab File: VU037211.D

Acq: 13 Mar 2020 00:13

Instrument :

MSVOA\_U

ClientSampleId :

C0NA2

Tot Ion: 95 Resp: 223049

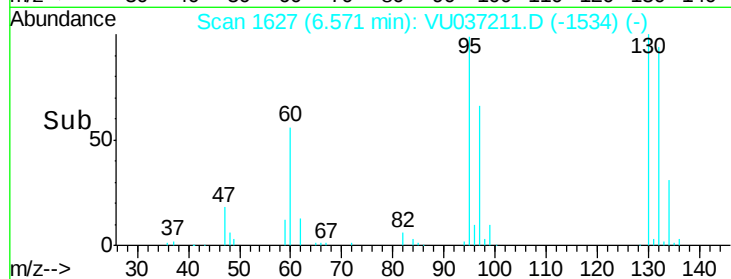
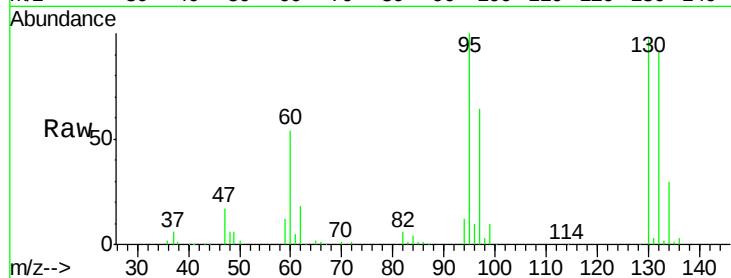
Ion Ratio Lower Upper

95 100

97 63.5 43.8 81.4

132 91.2 62.6 116.3

130 96.7 64.8 120.4



Abundance Ion 95.00 (94.70 to 95.70): VU0

Ion 97.00 (96.70 to 97.70): VU0

Ion 132.00 (131.70 to 132.70): V

Ion 130.00 (129.70 to 130.70): V

