

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU022420\  
 Data File : VU036893.D  
 Acq On : 24 Feb 2020 19:07  
 Operator : JC/MD  
 Sample : L1608-01  
 Misc : 5.0mL/MSVOA U/WATER  
 ALS Vial : 19 Sample Multiplier: 1

Instrument :  
 MSVOA\_U  
 ClientSampleId :  
 C0AQ7

Quant Time: Feb 25 04:16:12 2020  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_U\METHOD\SOMULM022420WMA.M  
 Quant Title : VOC Analysis  
 QLast Update : Tue Feb 25 03:18:14 2020  
 Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|----------------------------|-------|------|----------|-------|-------|----------|
| 1) 1,4-Difluorobenzene     | 6.28  | 114  | 268023   | 50.00 | ug/L  | 0.00     |
| 28) Chlorobenzene-d5       | 9.44  | 117  | 250798   | 50.00 | ug/L  | 0.00     |
| 60) 1,4-Dichlorobenzene-d4 | 11.83 | 152  | 93688    | 50.00 | ug/L  | 0.00     |

## System Monitoring Compounds

|                                |         |       |          |          |      |         |
|--------------------------------|---------|-------|----------|----------|------|---------|
| 4) Vinyl Chloride-d3           | 1.61    | 65    | 105117   | 46.70    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 60 - 135 | Recovery | =    | 93.40%  |
| 7) Chloroethane-d5             | 1.93    | 69    | 90078    | 48.37    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 70 - 130 | Recovery | =    | 96.74%  |
| 11) 1,1-Dichloroethene-d2      | 2.59    | 63    | 140295   | 37.22    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 60 - 125 | Recovery | =    | 74.44%  |
| 21) 2-Butanone-d5              | 4.67    | 46    | 156263   | 103.50   | ug/L | 0.00    |
| Spiked Amount                  | 100.000 | Range | 40 - 130 | Recovery | =    | 103.50% |
| 24) Chloroform-d               | 5.11    | 84    | 163425   | 47.55    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 70 - 125 | Recovery | =    | 95.10%  |
| 26) 1,2-Dichloroethane-d4      | 5.74    | 65    | 112206   | 48.24    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 70 - 125 | Recovery | =    | 96.48%  |
| 32) Benzene-d6                 | 5.76    | 84    | 364055   | 50.20    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 70 - 125 | Recovery | =    | 100.40% |
| 36) 1,2-Dichloropropane-d6     | 6.72    | 67    | 118357   | 50.37    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 70 - 120 | Recovery | =    | 100.74% |
| 41) Toluene-d8                 | 7.93    | 98    | 328722   | 48.86    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 80 - 120 | Recovery | =    | 97.72%  |
| 43) trans-1,3-Dichloropropene- | 8.20    | 79    | 50297    | 46.06    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 60 - 125 | Recovery | =    | 92.12%  |
| 47) 2-Hexanone-d5              | 8.66    | 63    | 111505   | 97.05    | ug/L | 0.00    |
| Spiked Amount                  | 100.000 | Range | 45 - 130 | Recovery | =    | 97.05%  |
| 57) 1,1,2,2-Tetrachloroethane- | 10.77   | 84    | 159928   | 48.28    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 65 - 120 | Recovery | =    | 96.56%  |
| 64) 1,2-Dichlorobenzene-d4     | 12.21   | 152   | 96206    | 52.53    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 80 - 120 | Recovery | =    | 105.06% |

## Target Compounds

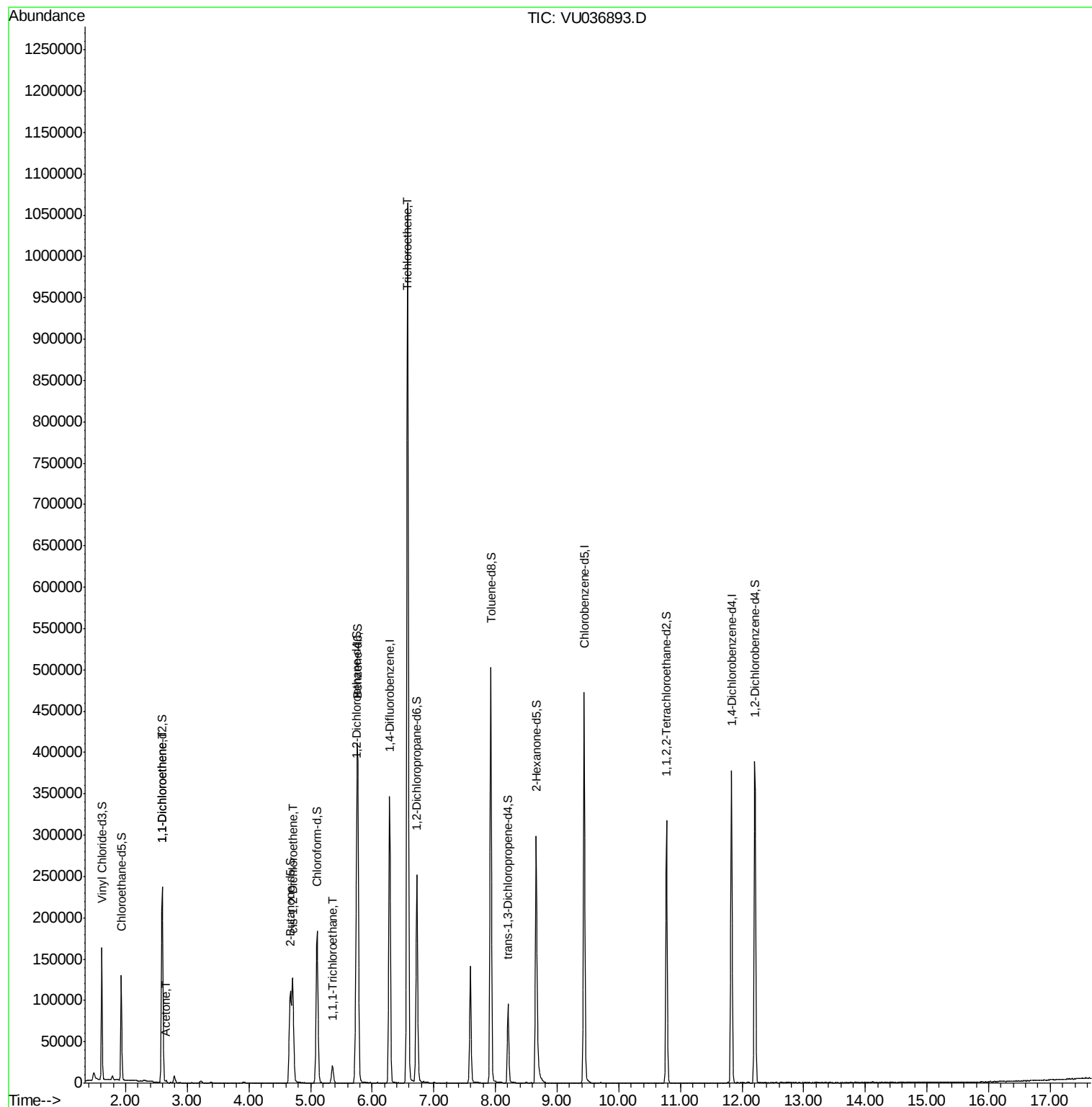
|                            |      |    |        |              | Ovalue |
|----------------------------|------|----|--------|--------------|--------|
| 12) 1,1-Dichloroethene     | 2.60 | 96 | 8337   | 4.816 ug/L   | # 1    |
| 13) Acetone                | 2.66 | 43 | 3139   | 2.021 ug/L   | 90     |
| 20) cis-1,2-Dichloroethene | 4.71 | 96 | 59492  | 28.610 ug/L  | 99     |
| 30) 1,1,1-Trichloroethane  | 5.36 | 97 | 14636  | 5.443 ug/L   | 96     |
| 34) Trichloroethene        | 6.57 | 95 | 362190 | 185.990 ug/L | 99     |

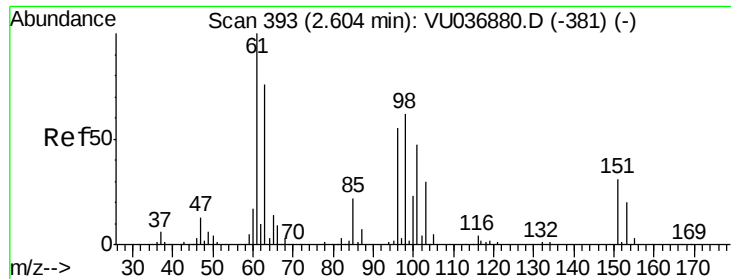
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : VOC Analysis  
QLast Update : Tue Feb 25 03:18:14 2020  
Response via : Initial Calibration





#12

1,1-Dichloroethene

Concen: 4.816 ug/L

RT: 2.60 min Scan# 393

Delta R.T. -0.00 min

Lab File: VU036893.D

Acq: 24 Feb 2020 19:07

Instrument :

MSVOA\_U

ClientSampleId :

C0AQ7

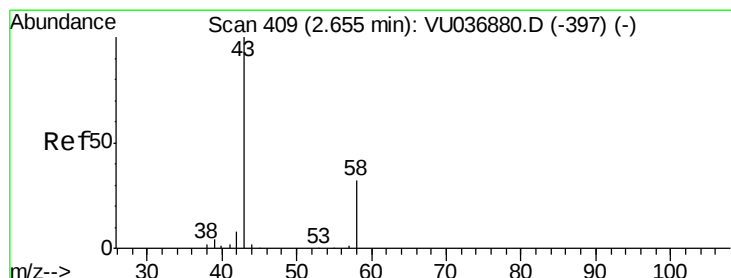
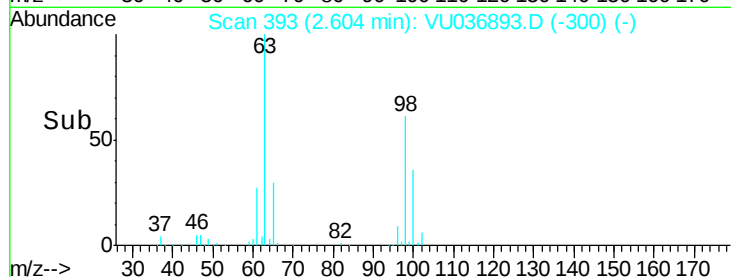
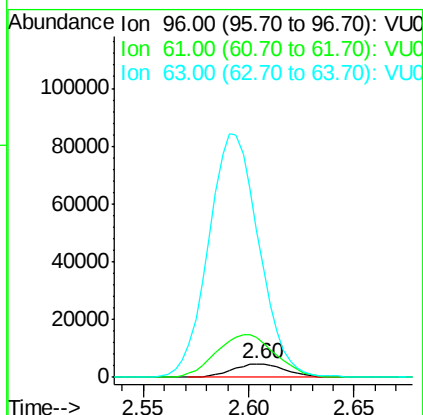
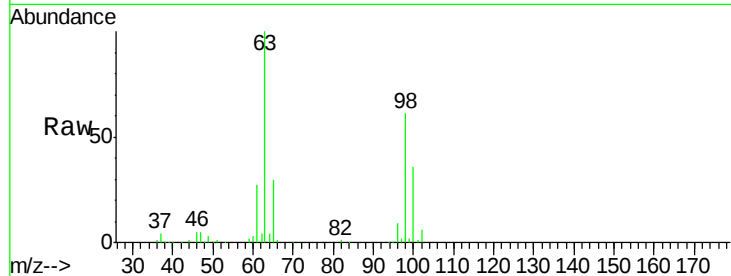
Tot Ion: 96 Resp: 8337

Ion Ratio Lower Upper

96 100

61 299.6 127.5 236.7#

63 1115.6 101.4 188.2#



#13

Acetone

Concen: 2.021 ug/L

RT: 2.66 min Scan# 409

Delta R.T. -0.00 min

Lab File: VU036893.D

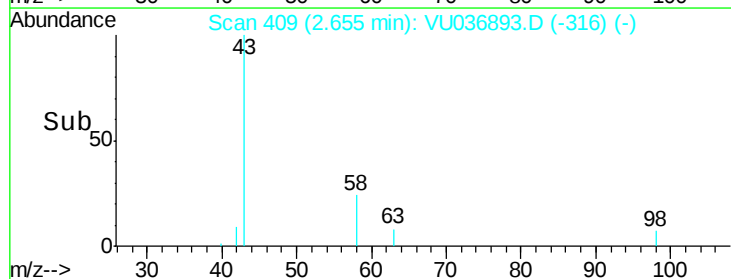
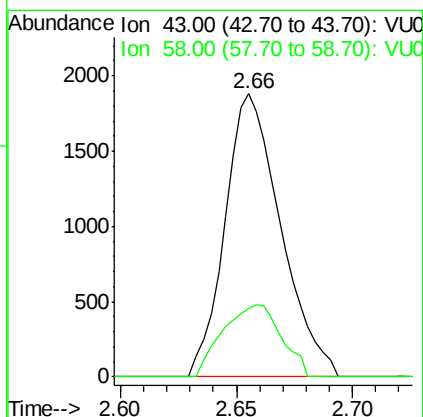
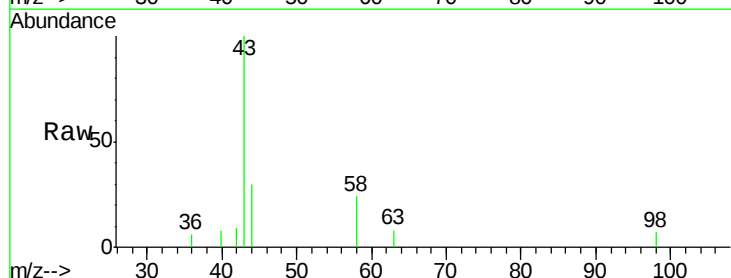
Acq: 24 Feb 2020 19:07

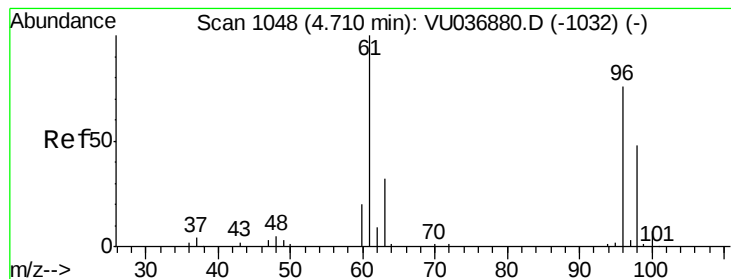
Tgt Ion: 43 Resp: 3139

Ion Ratio Lower Upper

43 100

58 26.7 0.0 64.6





#20

cis-1,2-Dichloroethene

Concen: 28.610 ug/L

RT: 4.71 min Scan# 1048

Delta R.T. -0.00 min

Lab File: VU036893.D

Acq: 24 Feb 2020 19:07

Instrument :

MSVOA\_U

ClientSampleId :

C0AQ7

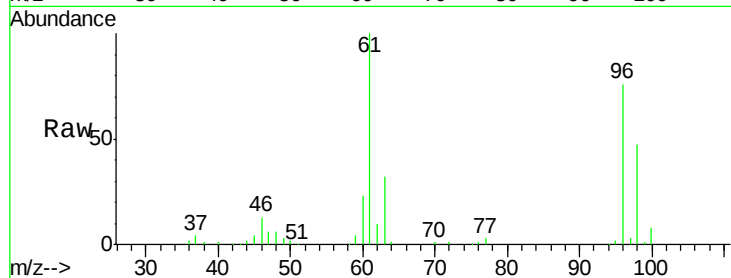
Tot Ion: 96 Resp: 59492

Ion Ratio Lower Upper

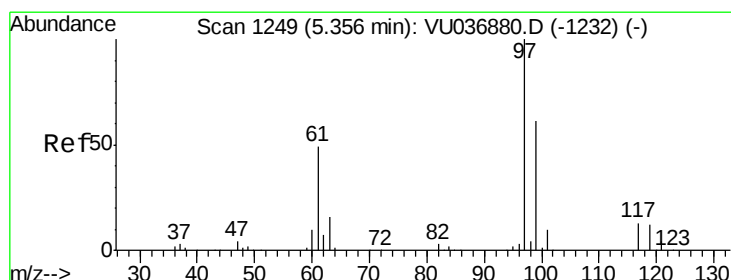
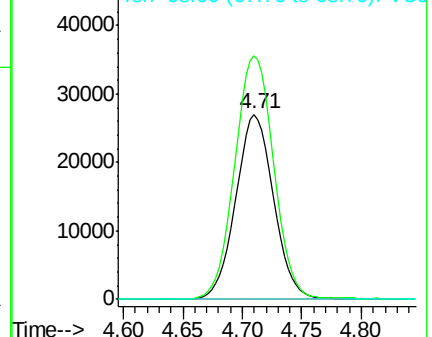
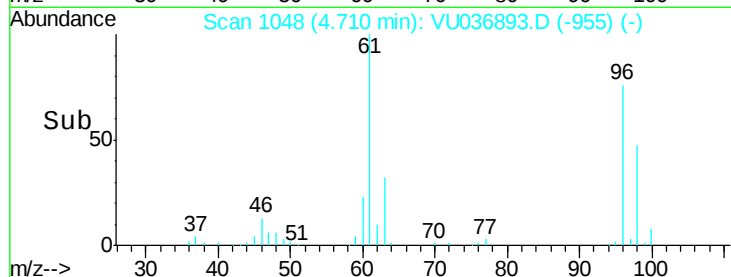
96 100

61 131.7 93.1 172.9

68 0.0 0.0 0.0



Abundance Ion 96.00 (95.70 to 96.70): VU036893.D (-955) (-)



#30

1,1,1-Trichloroethane

Concen: 5.443 ug/L

RT: 5.36 min Scan# 1249

Delta R.T. -0.00 min

Lab File: VU036893.D

Acq: 24 Feb 2020 19:07

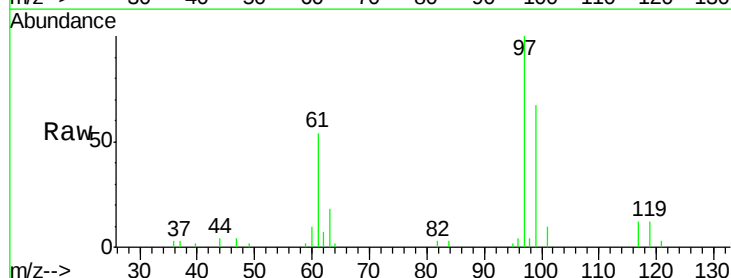
Tgt Ion: 97 Resp: 14636

Ion Ratio Lower Upper

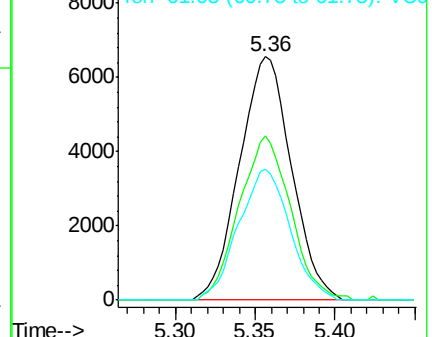
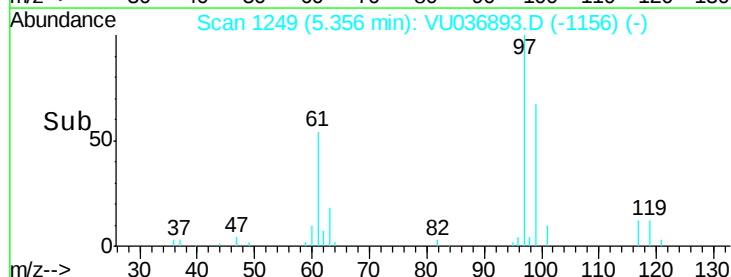
97 100

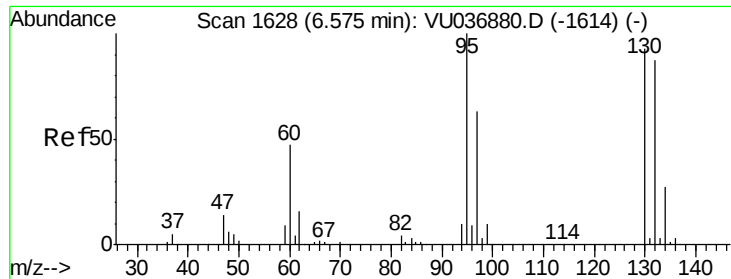
99 66.3 50.4 75.6

61 53.2 40.3 60.5



Abundance Ion 97.00 (96.70 to 97.70): VU036893.D (-1156) (-)

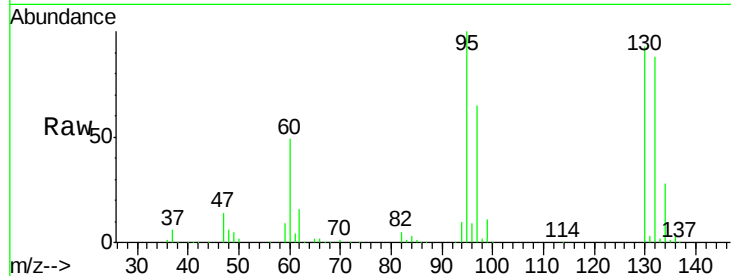




#34  
 Trichloroethene  
 Concen: 185.990 ug/L  
 RT: 6.57 min Scan# 1628  
 Delta R.T. -0.00 min  
 Lab File: VU036893.D  
 Acq: 24 Feb 2020 19:07

Instrument :  
 MSVOA\_U  
 ClientSampleId :  
 C0AQ7

|          |       |       |        |
|----------|-------|-------|--------|
| Tot Ion: | 95    | Resp: | 362190 |
| Ion      | Ratio | Lower | Upper  |
| 95       | 100   |       |        |
| 97       | 64.9  | 44.1  | 81.9   |
| 132      | 88.4  | 60.6  | 112.6  |
| 130      | 92.7  | 64.9  | 120.5  |



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

