

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU052119\  
 Data File : VU032195.D  
 Acq On : 21 May 2019 13:23  
 Operator : JC/SP  
 Sample : K2788-15ME  
 Misc : 5.71g/5mL/100uL/5.0mL/MSVOA\_U/MEOH  
 ALS Vial : 13 Sample Multiplier: 1

Instrument :  
 MSVOA\_U  
 ClientSampleId :  
 A51A6ME

Quant Time: May 22 02:26:16 2019  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_U\METHOD\SOMULM052119WMA.M  
 Quant Title : VOC Analysis  
 QLast Update : Wed May 22 02:08:11 2019  
 Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|----------------------------|-------|------|----------|-------|-------|----------|
| 1) 1,4-Difluorobenzene     | 5.88  | 114  | 988229   | 50.00 | ug/L  | 0.00     |
| 28) Chlorobenzene-d5       | 9.09  | 117  | 995284   | 50.00 | ug/L  | 0.00     |
| 60) 1,4-Dichlorobenzene-d4 | 11.48 | 152  | 478909   | 50.00 | ug/L  | 0.00     |

## System Monitoring Compounds

|                                |         |       |          |          |      |         |
|--------------------------------|---------|-------|----------|----------|------|---------|
| 4) Vinyl Chloride-d3           | 1.39    | 65    | 283326   | 43.96    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 60 - 135 | Recovery | =    | 87.92%  |
| 7) Chloroethane-d5             | 1.64    | 69    | 138287   | 24.62    | ug/L | -0.03   |
| Spiked Amount                  | 50.000  | Range | 70 - 130 | Recovery | =    | 49.24%# |
| 11) 1,1-Dichloroethene-d2      | 2.21    | 63    | 415681   | 33.86    | ug/L | -0.05   |
| Spiked Amount                  | 50.000  | Range | 60 - 125 | Recovery | =    | 67.72%  |
| 21) 2-Butanone-d5              | 4.21    | 46    | 437862   | 110.09   | ug/L | 0.04    |
| Spiked Amount                  | 100.000 | Range | 40 - 130 | Recovery | =    | 110.09% |
| 24) Chloroform-d               | 4.64    | 84    | 554169   | 43.63    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 70 - 125 | Recovery | =    | 87.26%  |
| 26) 1,2-Dichloroethane-d4      | 5.30    | 65    | 353378   | 47.13    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 70 - 125 | Recovery | =    | 94.26%  |
| 32) Benzene-d6                 | 5.32    | 84    | 1212058  | 46.85    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 70 - 125 | Recovery | =    | 93.70%  |
| 36) 1,2-Dichloropropane-d6     | 6.32    | 67    | 353001   | 47.26    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 70 - 120 | Recovery | =    | 94.52%  |
| 41) Toluene-d8                 | 7.56    | 98    | 1116138  | 45.52    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 80 - 120 | Recovery | =    | 91.04%  |
| 43) trans-1,3-Dichloropropene- | 7.85    | 79    | 168910   | 45.82    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 60 - 125 | Recovery | =    | 91.64%  |
| 47) 2-Hexanone-d5              | 8.33    | 63    | 359917   | 106.21   | ug/L | 0.02    |
| Spiked Amount                  | 100.000 | Range | 45 - 130 | Recovery | =    | 106.21% |
| 57) 1,1,2,2-Tetrachloroethane- | 10.43   | 84    | 585843   | 48.48    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 65 - 120 | Recovery | =    | 96.96%  |
| 64) 1,2-Dichlorobenzene-d4     | 11.86   | 152   | 467731   | 46.70    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 80 - 120 | Recovery | =    | 93.40%  |

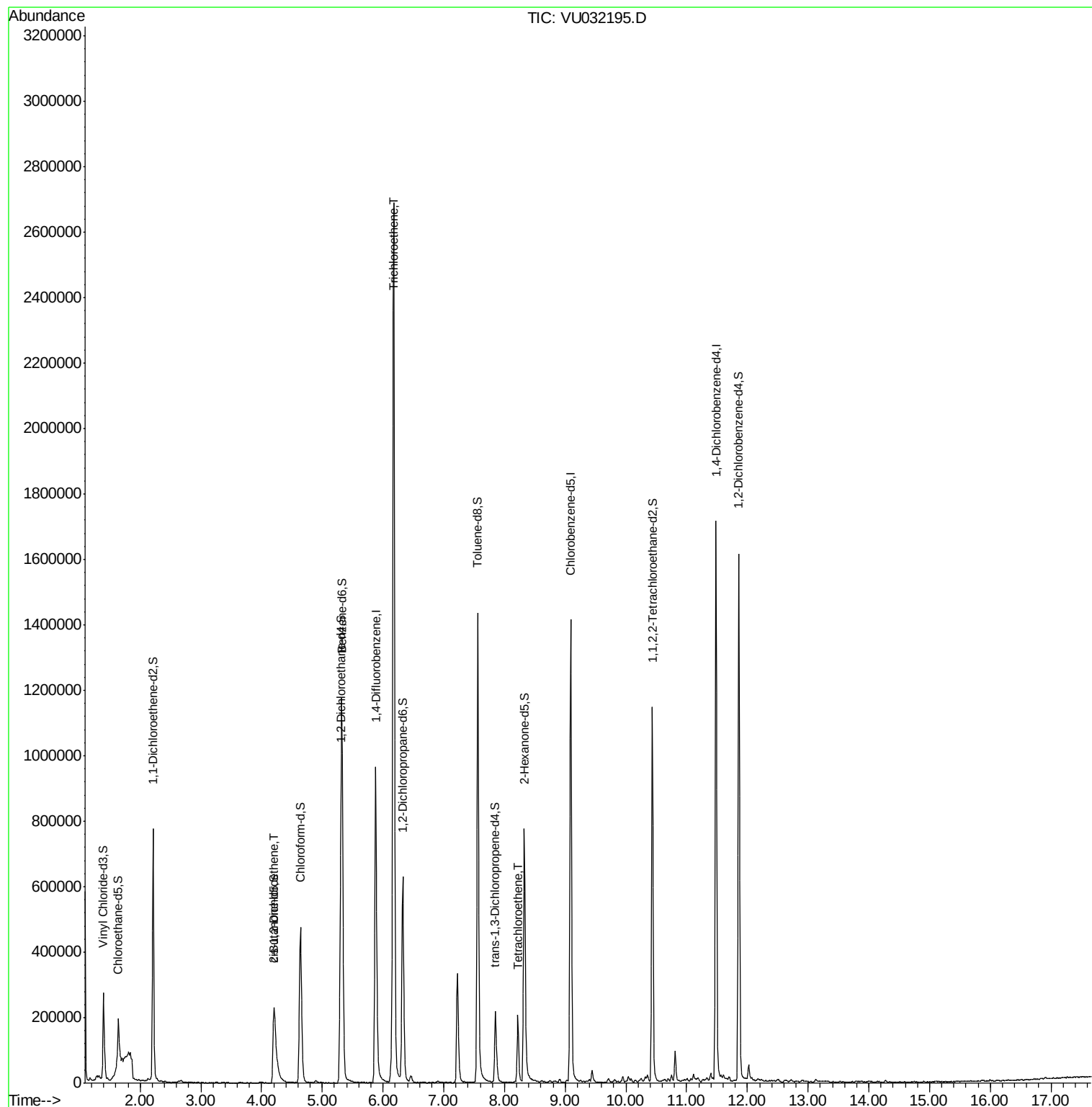
| Target Compounds           |      |     |         |              | Ovalue |
|----------------------------|------|-----|---------|--------------|--------|
| 20) cis-1,2-Dichloroethene | 4.21 | 96  | 30613   | 3.995 ug/L   | 96     |
| 34) Trichloroethene        | 6.17 | 95  | 1013724 | 136.421 ug/L | 99     |
| 46) Tetrachloroethene      | 8.22 | 164 | 54540   | 8.888 ug/L   | 94     |

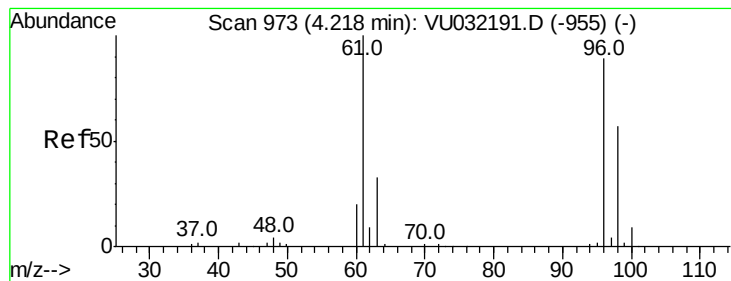
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Response via : Initial Calibration





#20

cis-1,2-Dichloroethene

Concen: 3.995 ug/L

RT: 4.21 min Scan# 971

Delta R.T. -0.01 min

Lab File: VU032195.D

Acq: 21 May 2019 13:23

Instrument :

MSVOA\_U

ClientSampleId :

A51A6ME

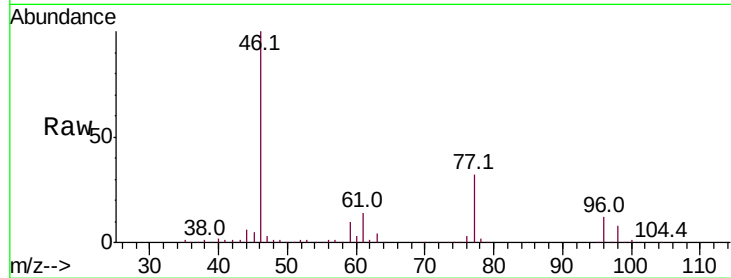
Tot Ion: 96 Resp: 30613

Ion Ratio Lower Upper

96 100

61 109.6 79.9 148.3

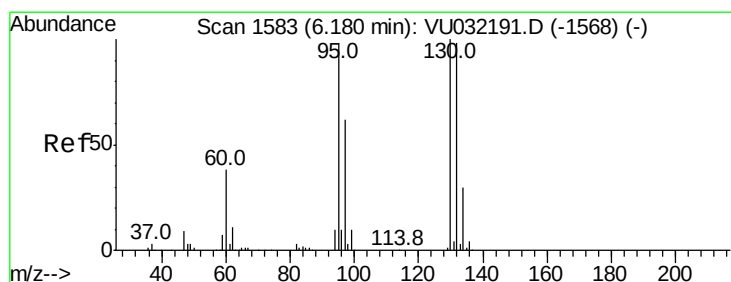
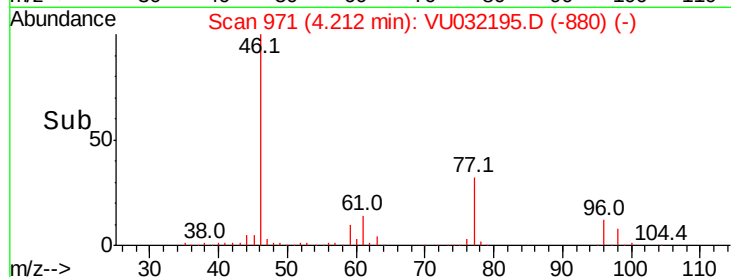
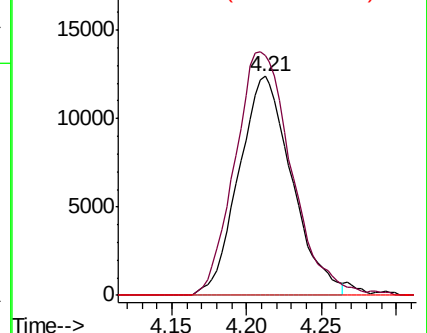
68 0.0 0.0 0.0



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



#34

Trichloroethene

Concen: 136.421 ug/L

RT: 6.17 min Scan# 1581

Delta R.T. -0.01 min

Lab File: VU032195.D

Acq: 21 May 2019 13:23

Tgt Ion: 95 Resp: 1013724

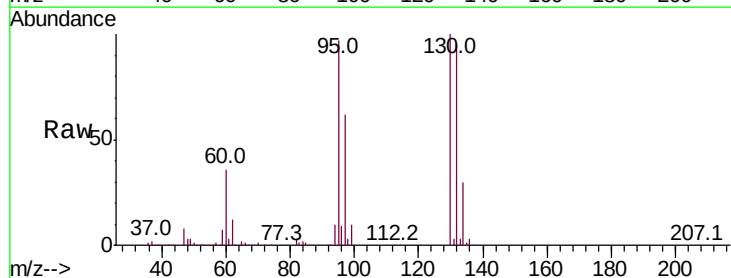
Ion Ratio Lower Upper

95 100

97 64.4 44.5 82.7

132 98.6 69.4 129.0

130 103.6 73.8 137.0

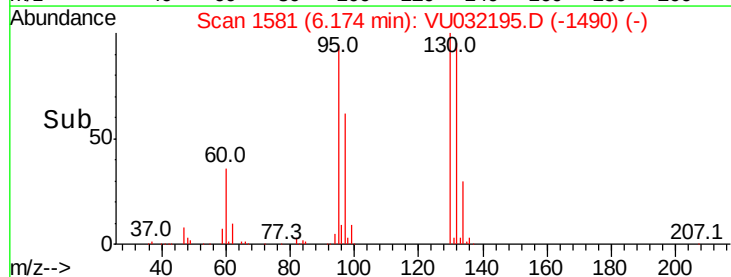
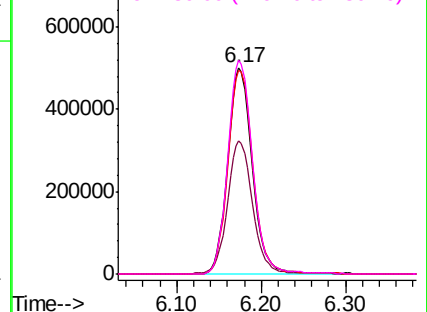


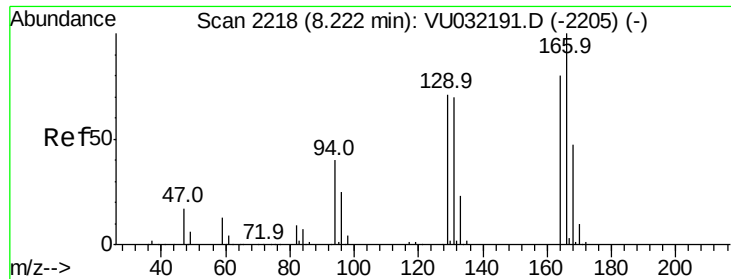
Abundance Ion 95.00 (94.70 to 95.70): VU0

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





#46

Tetrachloroethene

Concen: 8.888 ug/L

RT: 8.22 min Scan# 2218

Delta R.T. 0.00 min

Lab File: VU032195.D

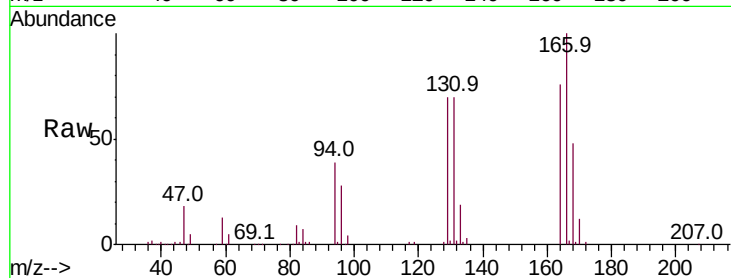
Acq: 21 May 2019 13:23

Instrument :

MSVOA\_U

ClientSampleId :

A51A6ME



Tot Ion:164 Resp: 54540

Ion Ratio Lower Upper

164 100

129 91.7 60.8 113.0

131 92.0 59.7 110.9

166 131.6 87.6 162.6

Abundance

Ion 164.00 (163.70 to 164.70): V

Ion 129.00 (128.70 to 129.70): V

Ion 131.00 (130.70 to 131.70): V

Ion 166.00 (165.70 to 166.70): V

