

Data Path : Z:\VOASRV\HPCHEM1\MSVOA\_U\DATA\VU072420\  
 Data File : VU039675.D  
 Acq On : 24 Jul 2020 19:30  
 Operator : SY/MD  
 Sample : L3422-12  
 Misc : 5.0mL/MSVOA\_U/WATER  
 ALS Vial : 22 Sample Multiplier: 1

Instrument :  
 MSVOA\_U  
 ClientSampleId :  
 F4C75

Quant Time: Jul 25 11:46:01 2020  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_U\METHOD\SOMULM072320WMA.M  
 Quant Title : VOC Analysis  
 QLast Update : Sat Jul 25 06:47:25 2020  
 Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|----------------------------|-------|------|----------|-------|-------|----------|
| 1) 1,4-Difluorobenzene     | 6.27  | 114  | 210209   | 50.00 | ug/L  | 0.00     |
| 28) Chlorobenzene-d5       | 9.42  | 117  | 201758   | 50.00 | ug/L  | 0.00     |
| 60) 1,4-Dichlorobenzene-d4 | 11.81 | 152  | 92613    | 50.00 | ug/L  | 0.00     |

## System Monitoring Compounds

|                                |         |       |          |          |      |        |
|--------------------------------|---------|-------|----------|----------|------|--------|
| 4) Vinyl Chloride-d3           | 1.61    | 65    | 49962    | 36.51    | ug/L | 0.00   |
| Spiked Amount                  | 50.000  | Range | 60 - 135 | Recovery | =    | 73.02% |
| 7) Chloroethane-d5             | 1.92    | 69    | 58213    | 35.50    | ug/L | 0.00   |
| Spiked Amount                  | 50.000  | Range | 70 - 130 | Recovery | =    | 71.00% |
| 11) 1,1-Dichloroethene-d2      | 2.58    | 63    | 86899    | 30.00    | ug/L | 0.00   |
| Spiked Amount                  | 50.000  | Range | 60 - 125 | Recovery | =    | 60.00% |
| 21) 2-Butanone-d5              | 4.65    | 46    | 140066   | 88.66    | ug/L | 0.00   |
| Spiked Amount                  | 100.000 | Range | 40 - 130 | Recovery | =    | 88.66% |
| 24) Chloroform-d               | 5.08    | 84    | 123723   | 40.20    | ug/L | 0.00   |
| Spiked Amount                  | 50.000  | Range | 70 - 125 | Recovery | =    | 80.40% |
| 26) 1,2-Dichloroethane-d4      | 5.72    | 65    | 90444    | 41.12    | ug/L | 0.00   |
| Spiked Amount                  | 50.000  | Range | 70 - 125 | Recovery | =    | 82.24% |
| 32) Benzene-d6                 | 5.75    | 84    | 238156   | 42.51    | ug/L | 0.00   |
| Spiked Amount                  | 50.000  | Range | 70 - 125 | Recovery | =    | 85.02% |
| 36) 1,2-Dichloropropane-d6     | 6.71    | 67    | 78446    | 42.70    | ug/L | 0.00   |
| Spiked Amount                  | 50.000  | Range | 70 - 120 | Recovery | =    | 85.40% |
| 41) Toluene-d8                 | 7.91    | 98    | 216329   | 41.04    | ug/L | 0.00   |
| Spiked Amount                  | 50.000  | Range | 80 - 120 | Recovery | =    | 82.08% |
| 43) trans-1,3-Dichloropropene- | 8.19    | 79    | 35810    | 38.62    | ug/L | 0.00   |
| Spiked Amount                  | 50.000  | Range | 60 - 125 | Recovery | =    | 77.24% |
| 47) 2-Hexanone-d5              | 8.64    | 63    | 85937    | 85.75    | ug/L | 0.00   |
| Spiked Amount                  | 100.000 | Range | 45 - 130 | Recovery | =    | 85.75% |
| 57) 1,1,2,2-Tetrachloroethane- | 10.76   | 84    | 122535   | 42.12    | ug/L | 0.00   |
| Spiked Amount                  | 50.000  | Range | 65 - 120 | Recovery | =    | 84.24% |
| 64) 1,2-Dichlorobenzene-d4     | 12.19   | 152   | 88598    | 43.75    | ug/L | 0.00   |
| Spiked Amount                  | 50.000  | Range | 80 - 120 | Recovery | =    | 87.50% |

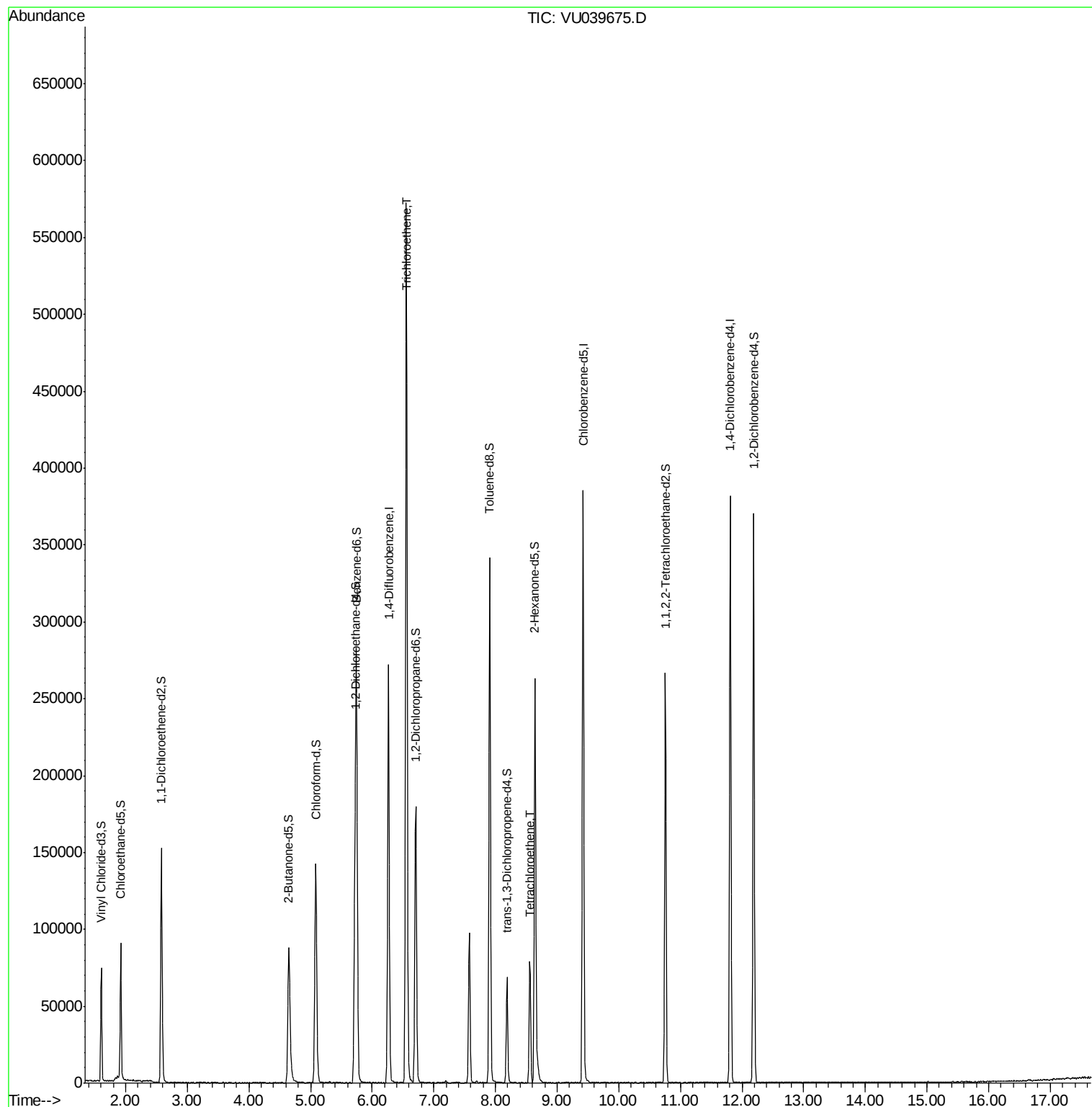
| Target Compounds      |      |     |        |              | Qvalue |
|-----------------------|------|-----|--------|--------------|--------|
| 34) Trichloroethene   | 6.56 | 95  | 184873 | 125.698 ug/L | 98     |
| 46) Tetrachloroethene | 8.56 | 164 | 16727  | 15.036 ug/L  | 90     |

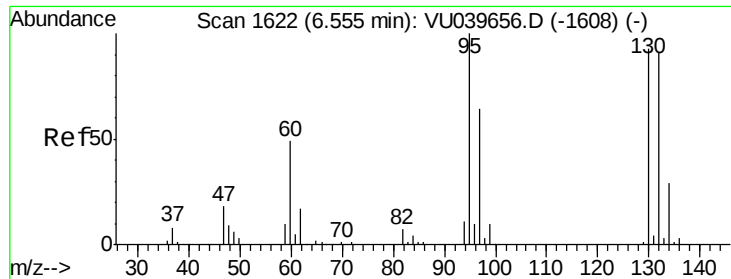
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : VOC Analysis  
QLast Update : Sat Jul 25 06:47:25 2020  
Response via : Initial Calibration





#34

Trichloroethene

Concen: 125.698 ug/L

RT: 6.56 min Scan# 1622

Delta R.T. 0.00 min

Lab File: VU039675.D

Acq: 24 Jul 2020 19:30

Instrument :

MSVOA\_U

ClientSampleId :

F4C75

Tgt Ion: 95 Resp: 184873

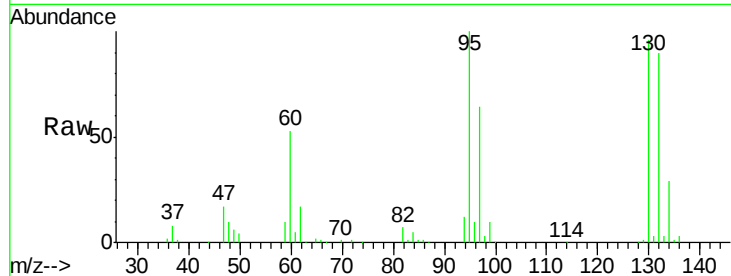
Ion Ratio Lower Upper

95 100

97 64.4 45.5 84.5

132 89.7 65.0 120.6

130 95.9 67.9 126.1



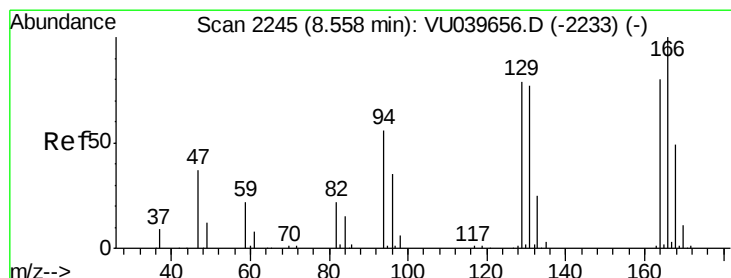
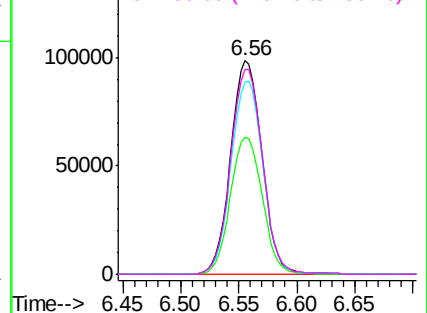
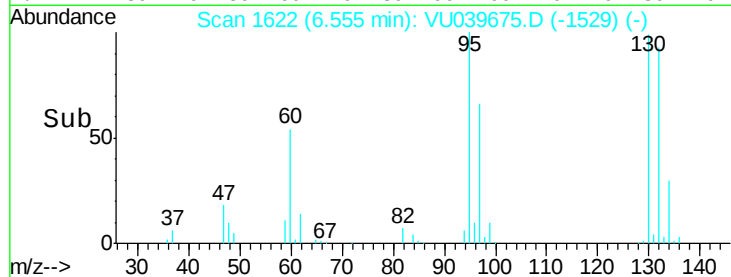
Abundance

Ion 95.00 (94.70 to 95.70): VU039675.D (-1529) (-)

Ion 97.00 (96.70 to 97.70): VU039675.D (-1529) (-)

Ion 132.00 (131.70 to 132.70): VU039675.D (-1529) (-)

Ion 130.00 (129.70 to 130.70): VU039675.D (-1529) (-)



#46

Tetrachloroethene

Concen: 15.036 ug/L

RT: 8.56 min Scan# 2246

Delta R.T. 0.00 min

Lab File: VU039675.D

Acq: 24 Jul 2020 19:30

Tgt Ion: 164 Resp: 16727

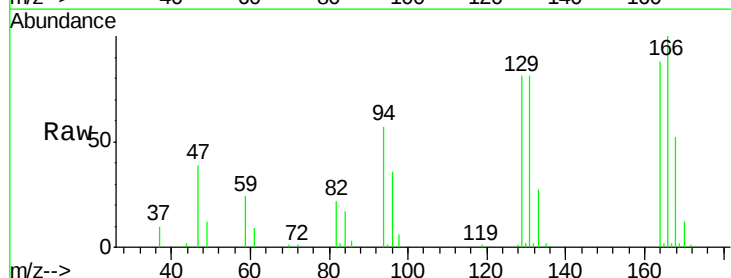
Ion Ratio Lower Upper

164 100

129 91.5 71.1 132.1

131 92.1 70.3 130.5

166 113.2 87.8 163.0



Abundance

Ion 164.00 (163.70 to 164.70): VU039675.D (-2152) (-)

Ion 129.00 (128.70 to 129.70): VU039675.D (-2152) (-)

Ion 131.00 (130.70 to 131.70): VU039675.D (-2152) (-)

Ion 166.00 (165.70 to 166.70): VU039675.D (-2152) (-)

