

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU011520\  
 Data File : VU036464.D  
 Acq On : 15 Jan 2020 12:14  
 Operator : JC/MD  
 Sample : L1090-08  
 Misc : 5.0mL/MSVOA U/WATER  
 ALS Vial : 1 Sample Multiplier: 1

Instrument :  
 MSVOA\_U  
 ClientSampleId :  
 ETOQ4

Quant Time: Jan 15 16:37:45 2020  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_U\METHOD\SOMULM011420WMA.M  
 Quant Title : VOC Analysis  
 QLast Update : Wed Jan 15 14:19:56 2020  
 Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|----------------------------|-------|------|----------|-------|-------|----------|
| 1) 1,4-Difluorobenzene     | 6.29  | 114  | 513531   | 50.00 | ug/L  | 0.00     |
| 28) Chlorobenzene-d5       | 9.45  | 117  | 477048   | 50.00 | ug/L  | 0.00     |
| 60) 1,4-Dichlorobenzene-d4 | 11.84 | 152  | 170351   | 50.00 | ug/L  | 0.00     |

## System Monitoring Compounds

|                                |         |       |          |          |      |         |
|--------------------------------|---------|-------|----------|----------|------|---------|
| 4) Vinyl Chloride-d3           | 1.61    | 65    | 130378   | 39.16    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 60 - 135 | Recovery | =    | 78.32%  |
| 7) Chloroethane-d5             | 1.93    | 69    | 130337   | 45.22    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 70 - 130 | Recovery | =    | 90.44%  |
| 11) 1,1-Dichloroethene-d2      | 2.59    | 63    | 214201   | 33.51    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 60 - 125 | Recovery | =    | 67.02%  |
| 21) 2-Butanone-d5              | 4.68    | 46    | 269970   | 94.31    | ug/L | 0.00    |
| Spiked Amount                  | 100.000 | Range | 40 - 130 | Recovery | =    | 94.31%  |
| 24) Chloroform-d               | 5.11    | 84    | 322523   | 48.66    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 70 - 125 | Recovery | =    | 97.32%  |
| 26) 1,2-Dichloroethane-d4      | 5.74    | 65    | 223578   | 50.74    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 70 - 125 | Recovery | =    | 101.48% |
| 32) Benzene-d6                 | 5.77    | 84    | 633994   | 50.82    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 70 - 125 | Recovery | =    | 101.64% |
| 36) 1,2-Dichloropropane-d6     | 6.73    | 67    | 212729   | 52.43    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 70 - 120 | Recovery | =    | 104.86% |
| 41) Toluene-d8                 | 7.93    | 98    | 577632   | 48.95    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 80 - 120 | Recovery | =    | 97.90%  |
| 43) trans-1,3-Dichloropropene- | 8.21    | 79    | 101231   | 46.31    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 60 - 125 | Recovery | =    | 92.62%  |
| 47) 2-Hexanone-d5              | 8.67    | 63    | 204535   | 98.37    | ug/L | 0.00    |
| Spiked Amount                  | 100.000 | Range | 45 - 130 | Recovery | =    | 98.37%  |
| 57) 1,1,2,2-Tetrachloroethane- | 10.78   | 84    | 310185   | 50.82    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 65 - 120 | Recovery | =    | 101.64% |
| 64) 1,2-Dichlorobenzene-d4     | 12.22   | 152   | 166108   | 49.50    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 80 - 120 | Recovery | =    | 99.00%  |

## Target Compounds

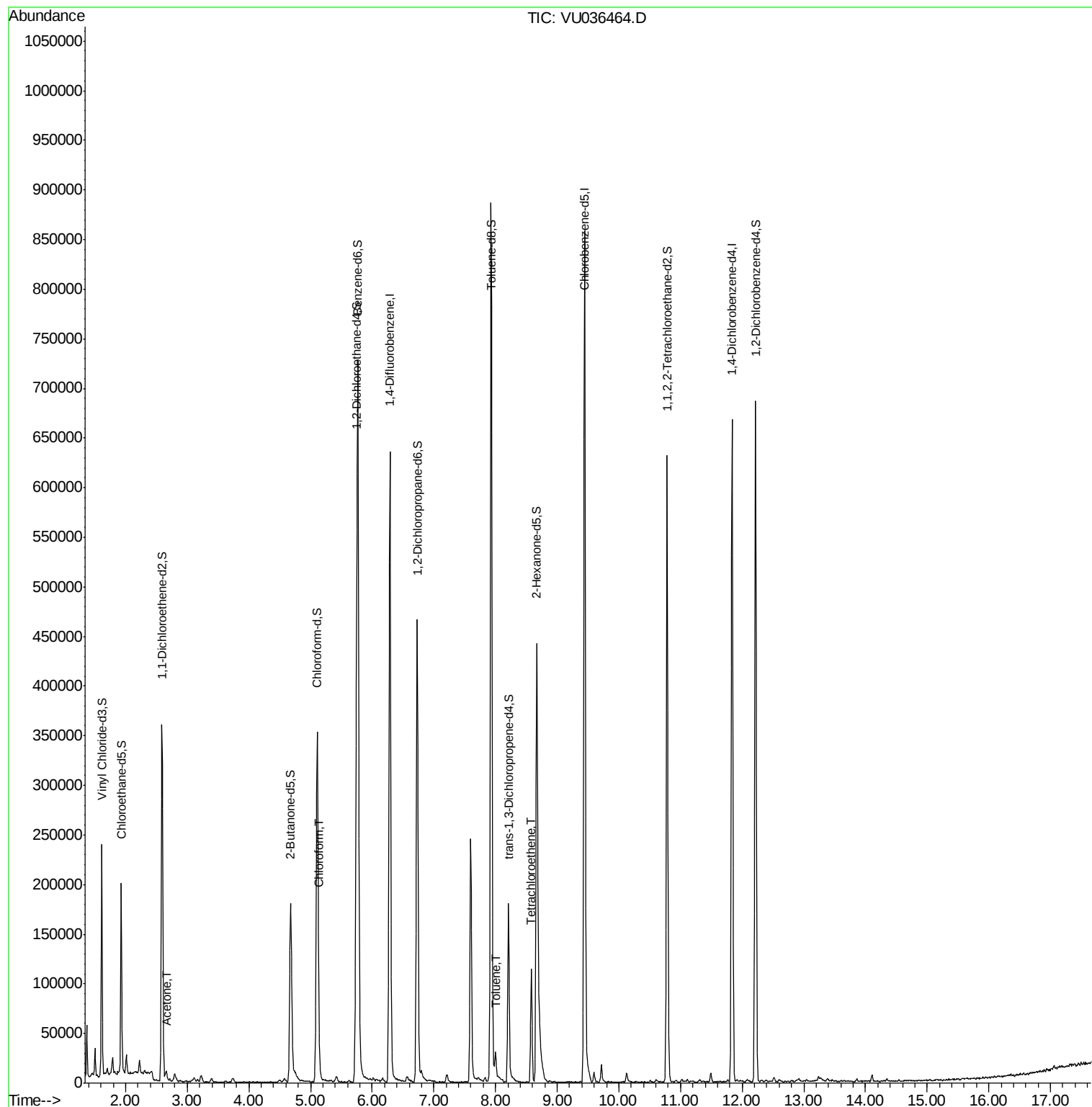
|                       |      |     |       |            | Ovalue |
|-----------------------|------|-----|-------|------------|--------|
| 13) Acetone           | 2.66 | 43  | 9958  | 3.214 ug/L | 93     |
| 25) Chloroform        | 5.14 | 83  | 19736 | 2.946 ug/L | 97     |
| 42) Toluene           | 8.00 | 91  | 16247 | 1.091 ug/L | 90     |
| 46) Tetrachloroethene | 8.58 | 164 | 21828 | 8.767 ug/L | 95     |

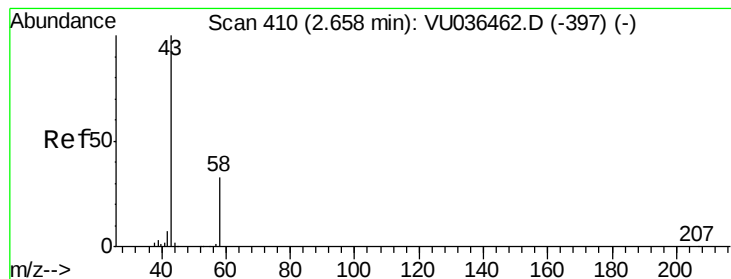
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Response via : Initial Calibration





#13

Acetone

Concen: 3.214 ug/L

RT: 2.66 min Scan# 411

Delta R.T. 0.00 min

Lab File: VU036464.D

Acq: 15 Jan 2020 12:14

Instrument :

MSVOA\_U

ClientSampleId :

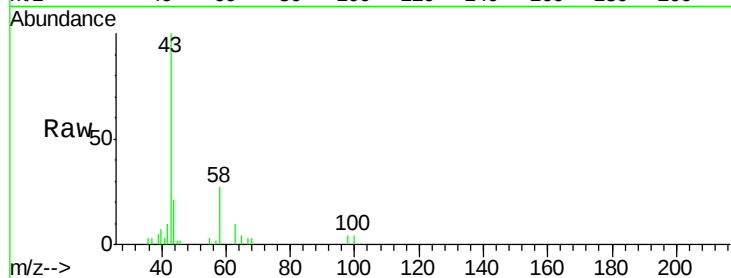
ETOQ4

Tot Ion: 43 Resp: 9958

Ion Ratio Lower Upper

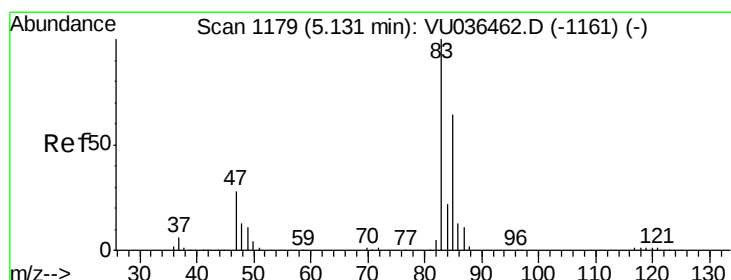
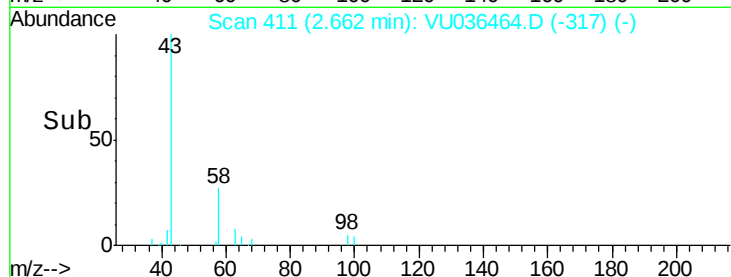
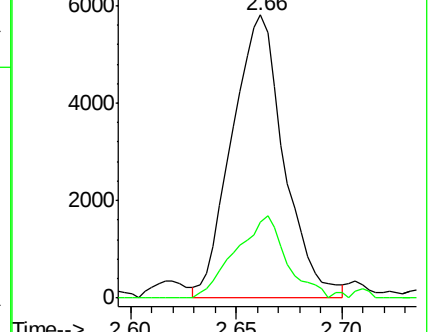
43 100

58 28.3 0.0 65.0



Abundance Ion 43.00 (42.70 to 43.70): VU036464.D (-317) (-)

Ion 58.00 (57.70 to 58.70): VU036464.D (-317) (-)



#25

Chloroform

Concen: 2.946 ug/L

RT: 5.14 min Scan# 1181

Delta R.T. 0.01 min

Lab File: VU036464.D

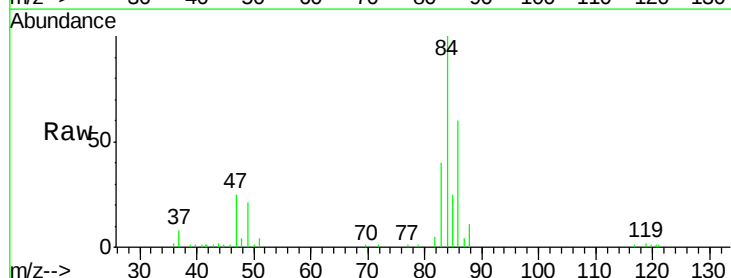
Acq: 15 Jan 2020 12:14

Tgt Ion: 83 Resp: 19736

Ion Ratio Lower Upper

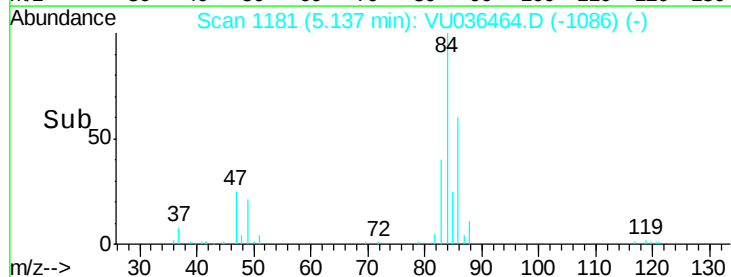
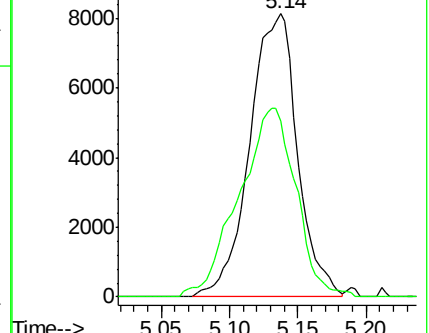
83 100

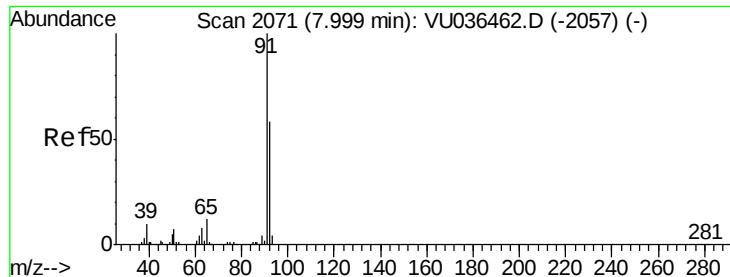
85 62.2 45.1 83.9



Abundance Ion 83.00 (82.70 to 83.70): VU036464.D (-1086) (-)

Ion 85.00 (84.70 to 85.70): VU036464.D (-1086) (-)





#42

Toluene

Concen: 1.091 ug/L

RT: 8.00 min Scan# 2071

Delta R.T. -0.00 min

Lab File: VU036464.D

Acq: 15 Jan 2020 12:14

Instrument :

MSVOA\_U

ClientSampled :

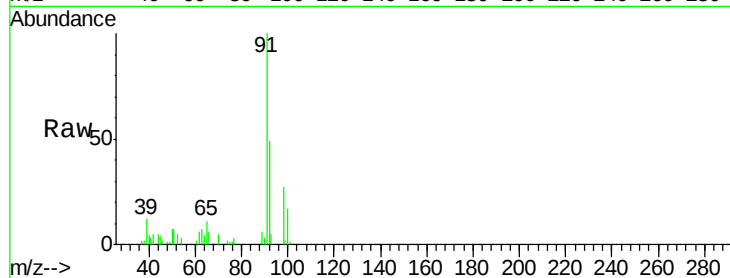
ETOQ4

Tot Ion: 91 Resp: 16247

Ion Ratio Lower Upper

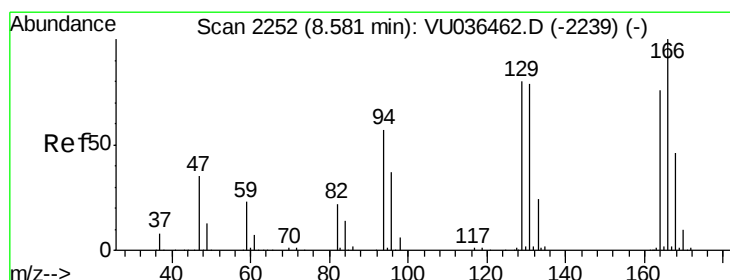
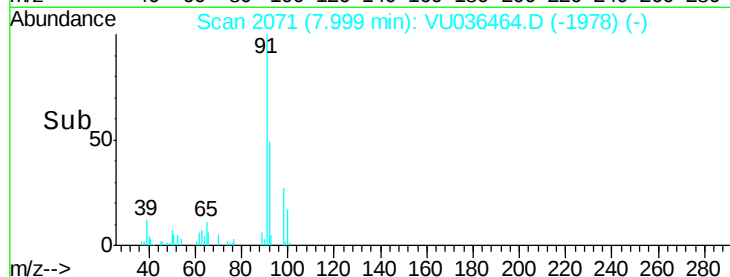
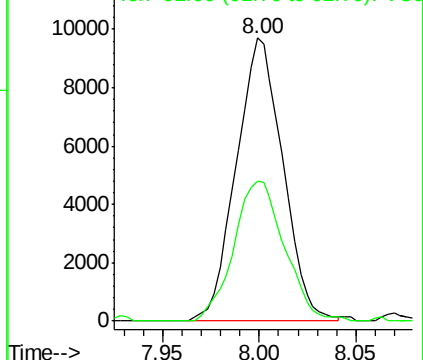
91 100

92 49.4 39.5 73.3



Abundance Ion 91.00 (90.70 to 91.70): VU036464.D (-1978) (-)

Ion 92.00 (91.70 to 92.70): VU036464.D (-1978) (-)



#46

Tetrachloroethene

Concen: 8.767 ug/L

RT: 8.58 min Scan# 2253

Delta R.T. 0.00 min

Lab File: VU036464.D

Acq: 15 Jan 2020 12:14

Tgt Ion: 164 Resp: 21828

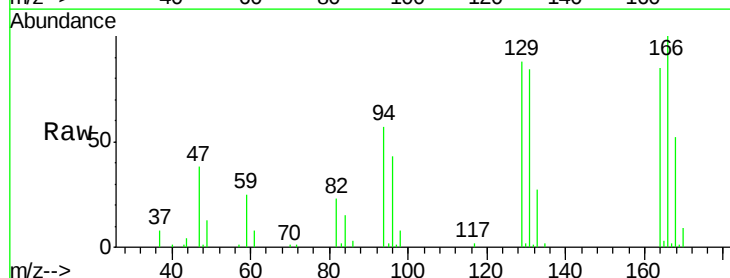
Ion Ratio Lower Upper

164 100

129 103.0 68.1 126.5

131 99.1 66.6 123.6

166 117.6 86.5 160.7



Abundance Ion 164.00 (163.70 to 164.70): VU036464.D (-2159) (-)

Ion 129.00 (128.70 to 129.70): VU036464.D (-2159) (-)

Ion 131.00 (130.70 to 131.70): VU036464.D (-2159) (-)

Ion 166.00 (165.70 to 166.70): VU036464.D (-2159) (-)

