

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU051719\  
 Data File : VU032110.D  
 Acq On : 17 May 2019 19:02  
 Operator : JC/SP  
 Sample : K2850-01DL 5X  
 Misc : 25.0mL/MSVOA U/WATER  
 ALS Vial : 12 Sample Multiplier: 1

Instrument :  
 MSVOA\_U  
 ClientSampleId :  
 F9W00DL

Quant Time: May 18 05:12:52 2019  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_U\METHOD\SOMUTR051619WMA.M  
 Quant Title : TRACE VOA SOM01.0  
 QLast Update : Sat May 18 04:08:35 2019  
 Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc | Units | Dev(Min) |
|----------------------------|-------|------|----------|------|-------|----------|
| 1) 1,4-Difluorobenzene     | 5.88  | 114  | 379749   | 5.00 | ug/L  | 0.00     |
| 28) Chlorobenzene-d5       | 9.09  | 117  | 387065   | 5.00 | ug/L  | 0.00     |
| 60) 1,4-Dichlorobenzene-d4 | 11.48 | 152  | 150261   | 5.00 | ug/L  | 0.00     |

## System Monitoring Compounds

|                                |        |       |          |          |      |         |
|--------------------------------|--------|-------|----------|----------|------|---------|
| 4) Vinyl Chloride-d3           | 1.39   | 65    | 121049   | 3.78     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 40 - 130 | Recovery | =    | 75.60%  |
| 7) Chloroethane-d5             | 1.66   | 69    | 71654    | 2.62     | ug/L | -0.01   |
| Spiked Amount                  | 5.000  | Range | 65 - 130 | Recovery | =    | 52.40%# |
| 11) 1,1-Dichloroethene-d2      | 2.26   | 63    | 175610   | 3.44     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 60 - 125 | Recovery | =    | 68.80%  |
| 20) 2-Butanone-d5              | 4.20   | 46    | 277116   | 44.13    | ug/L | 0.00    |
| Spiked Amount                  | 50.000 | Range | 40 - 130 | Recovery | =    | 88.26%  |
| 24) Chloroform-d               | 4.64   | 84    | 238865   | 4.25     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 70 - 125 | Recovery | =    | 85.00%  |
| 26) 1,2-Dichloroethane-d4      | 5.31   | 65    | 121577   | 4.19     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 70 - 130 | Recovery | =    | 83.80%  |
| 32) Benzene-d6                 | 5.33   | 84    | 485422   | 4.11     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 70 - 125 | Recovery | =    | 82.20%  |
| 36) 1,2-Dichloropropane-d6     | 6.32   | 67    | 140692   | 4.08     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 60 - 140 | Recovery | =    | 81.60%  |
| 41) Toluene-d8                 | 7.56   | 98    | 394526   | 3.79     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 70 - 130 | Recovery | =    | 75.80%  |
| 43) trans-1,3-Dichloropropene- | 7.85   | 79    | 49367    | 3.97     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 55 - 130 | Recovery | =    | 79.40%  |
| 46) 2-Hexanone-d5              | 8.31   | 63    | 247609   | 44.13    | ug/L | 0.00    |
| Spiked Amount                  | 50.000 | Range | 45 - 130 | Recovery | =    | 88.26%  |
| 57) 1,1,2,2-Tetrachloroethane- | 10.43  | 84    | 126705   | 4.49     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 65 - 120 | Recovery | =    | 89.80%  |
| 64) 1,2-Dichlorobenzene-d4     | 11.86  | 152   | 147352   | 4.63     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 80 - 120 | Recovery | =    | 92.60%  |

## Target Compounds

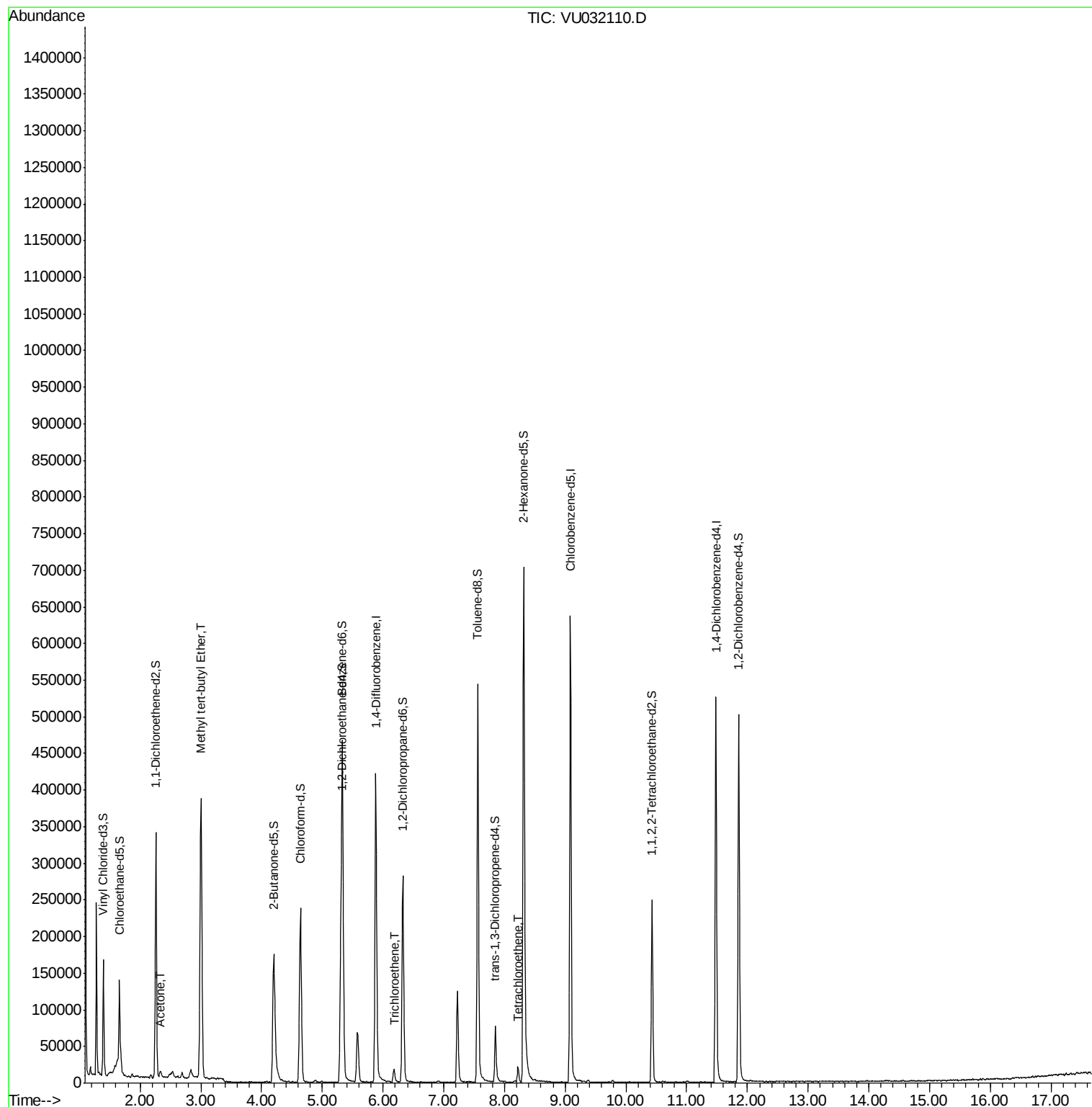
|                             |      |     |        |              | Ovalue |
|-----------------------------|------|-----|--------|--------------|--------|
| 13) Acetone                 | 2.33 | 43  | 4399   | 2.134 ug/L   | 92     |
| 17) Methyl tert-butyl Ether | 3.00 | 73  | 439976 | 12.272 ug/L  | 97     |
| 34) Trichloroethene         | 6.18 | 95  | 5098   | 0.316 ug/L # | 74     |
| 47) Tetrachloroethene       | 8.22 | 164 | 5310   | 0.441 ug/L   | 87     |

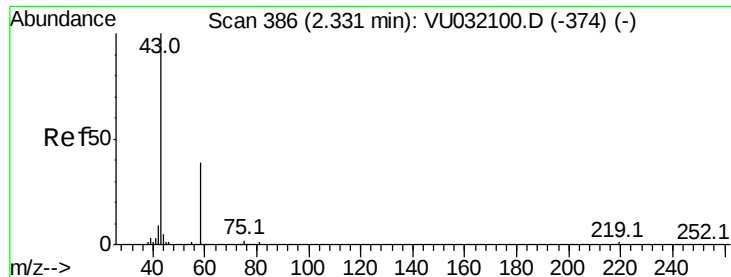
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Response via : Initial Calibration





#13

Acetone

Concen: 2.134 ug/L

RT: 2.33 min Scan# 386

Delta R.T. 0.00 min

Lab File: VU032110.D

Acq: 17 May 2019 19:02

Instrument :

MSVOA\_U

ClientSampleId :

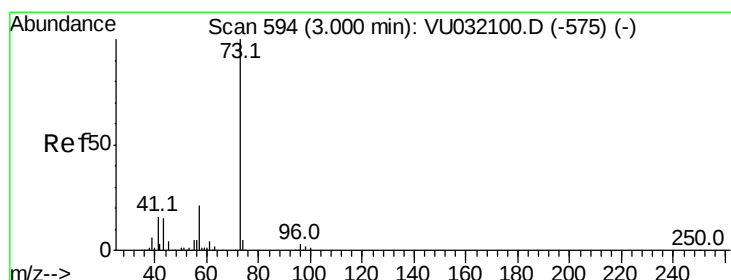
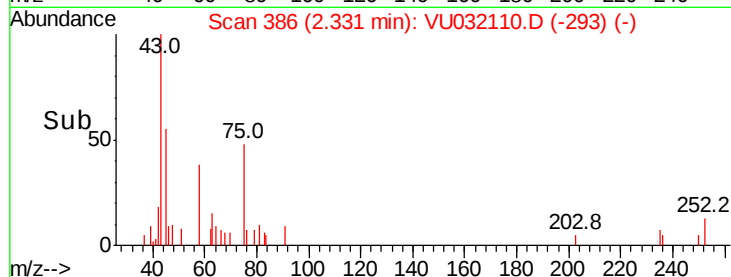
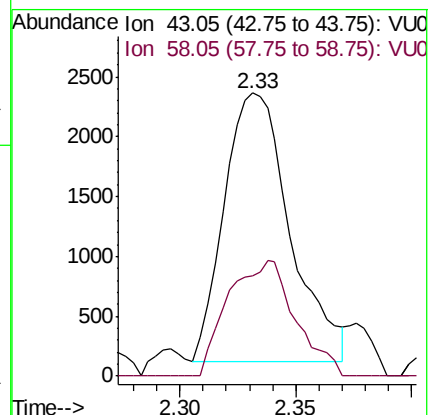
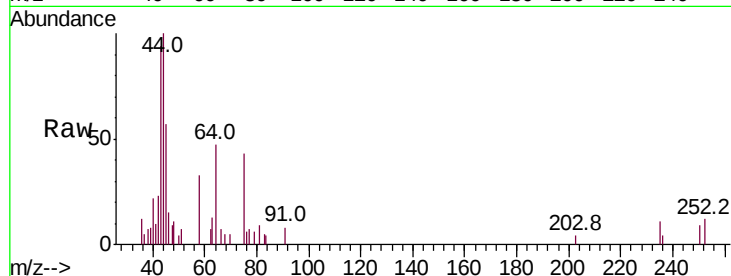
F9W00DL

Tot Ion: 43 Resp: 4399

Ion Ratio Lower Upper

43 100

58 44.2 0.0 78.8



#17

Methyl tert-butyl Ether

Concen: 12.272 ug/L

RT: 3.00 min Scan# 594

Delta R.T. 0.00 min

Lab File: VU032110.D

Acq: 17 May 2019 19:02

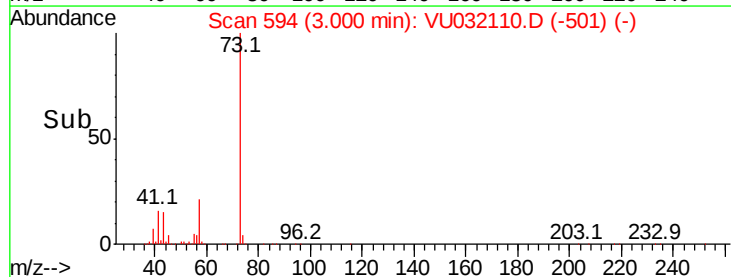
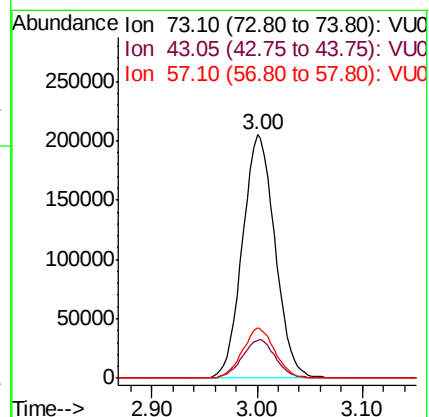
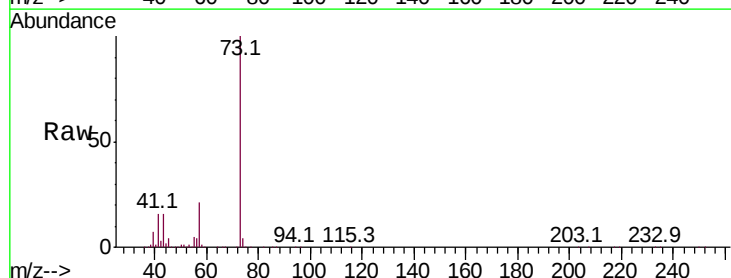
Tgt Ion: 73 Resp: 439976

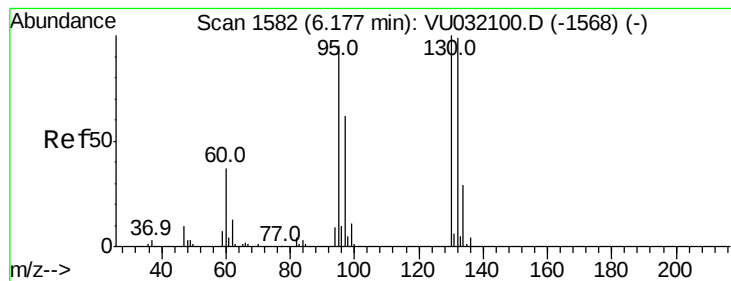
Ion Ratio Lower Upper

73 100

43 16.1 13.0 19.6

57 20.4 17.9 26.9





#34

Trichloroethene

Concen: 0.316 ug/L

RT: 6.18 min Scan# 1583

Delta R.T. 0.00 min

Lab File: VU032110.D

Acq: 17 May 2019 19:02

Instrument :

MSVOA\_U

ClientSampled :

F9W00DL

Tot Ion: 95 Resp: 5098

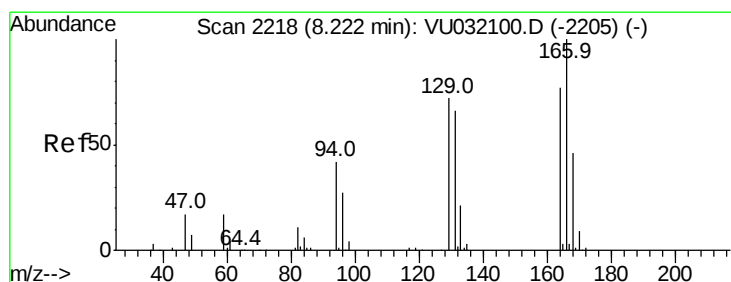
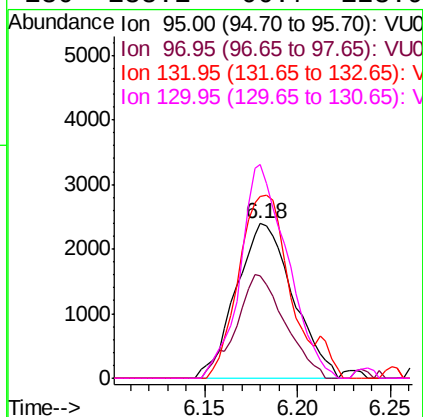
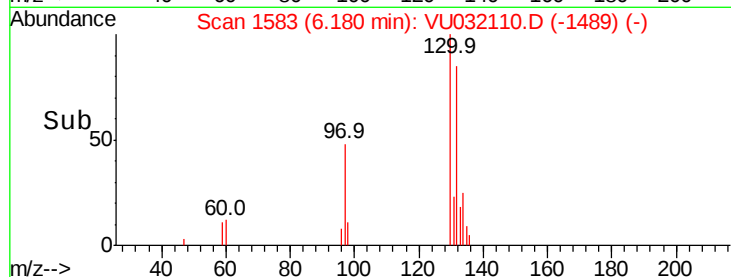
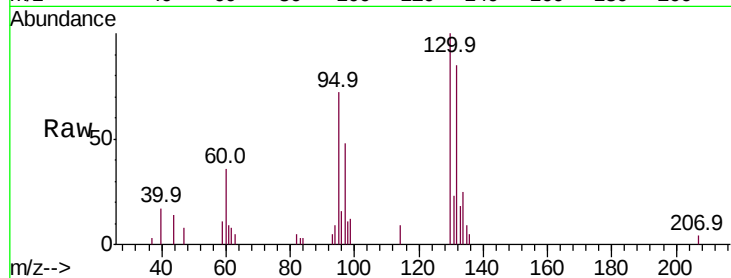
Ion Ratio Lower Upper

95 100

97 66.5 45.2 84.0

132 117.3 66.1 122.7

130 138.1 66.7 123.9#



#47

Tetrachloroethene

Concen: 0.441 ug/L

RT: 8.22 min Scan# 2218

Delta R.T. 0.00 min

Lab File: VU032110.D

Acq: 17 May 2019 19:02

Tgt Ion: 164 Resp: 5310

Ion Ratio Lower Upper

164 100

129 99.7 70.3 130.5

131 65.9 64.5 119.9

166 117.6 92.3 171.5

