

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\U062019\  
 Data File : VU032911.D  
 Acq On : 20 Jun 2019 19:38  
 Operator : JC/SP  
 Sample : K3413-14  
 Misc : 25.0mL/MSVOA U/WATER  
 ALS Vial : 26 Sample Multiplier: 1

Instrument :  
 MSVOA\_U  
 ClientSampleId :  
 GALG2

Quant Time: Jun 21 08:03:09 2019  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_U\METHOD\SOMUTR060419WMA.M  
 Quant Title : TRACE VOA SOM01.0  
 QLast Update : Fri Jun 21 07:36:10 2019  
 Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc | Units | Dev(Min) |
|----------------------------|-------|------|----------|------|-------|----------|
| 1) 1,4-Difluorobenzene     | 5.88  | 114  | 93128    | 5.00 | ug/L  | 0.00     |
| 28) Chlorobenzene-d5       | 9.08  | 117  | 92448    | 5.00 | ug/L  | 0.00     |
| 60) 1,4-Dichlorobenzene-d4 | 11.48 | 152  | 47574    | 5.00 | ug/L  | 0.00     |

## System Monitoring Compounds

|                                |        |       |          |          |      |         |
|--------------------------------|--------|-------|----------|----------|------|---------|
| 4) Vinyl Chloride-d3           | 1.40   | 65    | 24335    | 4.02     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 40 - 130 | Recovery | =    | 80.40%  |
| 7) Chloroethane-d5             | 1.68   | 69    | 21641    | 4.18     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 65 - 130 | Recovery | =    | 83.60%  |
| 11) 1,1-Dichloroethene-d2      | 2.27   | 63    | 40616    | 3.31     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 60 - 125 | Recovery | =    | 66.20%  |
| 20) 2-Butanone-d5              | 4.18   | 46    | 104793   | 62.01    | ug/L | 0.00    |
| Spiked Amount                  | 50.000 | Range | 40 - 130 | Recovery | =    | 124.02% |
| 24) Chloroform-d               | 4.64   | 84    | 57714    | 5.27     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 70 - 125 | Recovery | =    | 105.40% |
| 26) 1,2-Dichloroethane-d4      | 5.31   | 65    | 34538    | 6.10     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 70 - 130 | Recovery | =    | 122.00% |
| 32) Benzene-d6                 | 5.33   | 84    | 108137   | 4.71     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 70 - 125 | Recovery | =    | 94.20%  |
| 36) 1,2-Dichloropropane-d6     | 6.32   | 67    | 36226    | 5.12     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 60 - 140 | Recovery | =    | 102.40% |
| 41) Toluene-d8                 | 7.56   | 98    | 96195    | 4.53     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 70 - 130 | Recovery | =    | 90.60%  |
| 43) trans-1,3-Dichloropropene- | 7.85   | 79    | 14554    | 4.81     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 55 - 130 | Recovery | =    | 96.20%  |
| 46) 2-Hexanone-d5              | 8.31   | 63    | 77253    | 50.93    | ug/L | 0.00    |
| Spiked Amount                  | 50.000 | Range | 45 - 130 | Recovery | =    | 101.86% |
| 57) 1,1,2,2-Tetrachloroethane- | 10.43  | 84    | 34008    | 5.70     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 65 - 120 | Recovery | =    | 114.00% |
| 64) 1,2-Dichlorobenzene-d4     | 11.85  | 152   | 43056    | 5.03     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 80 - 120 | Recovery | =    | 100.60% |

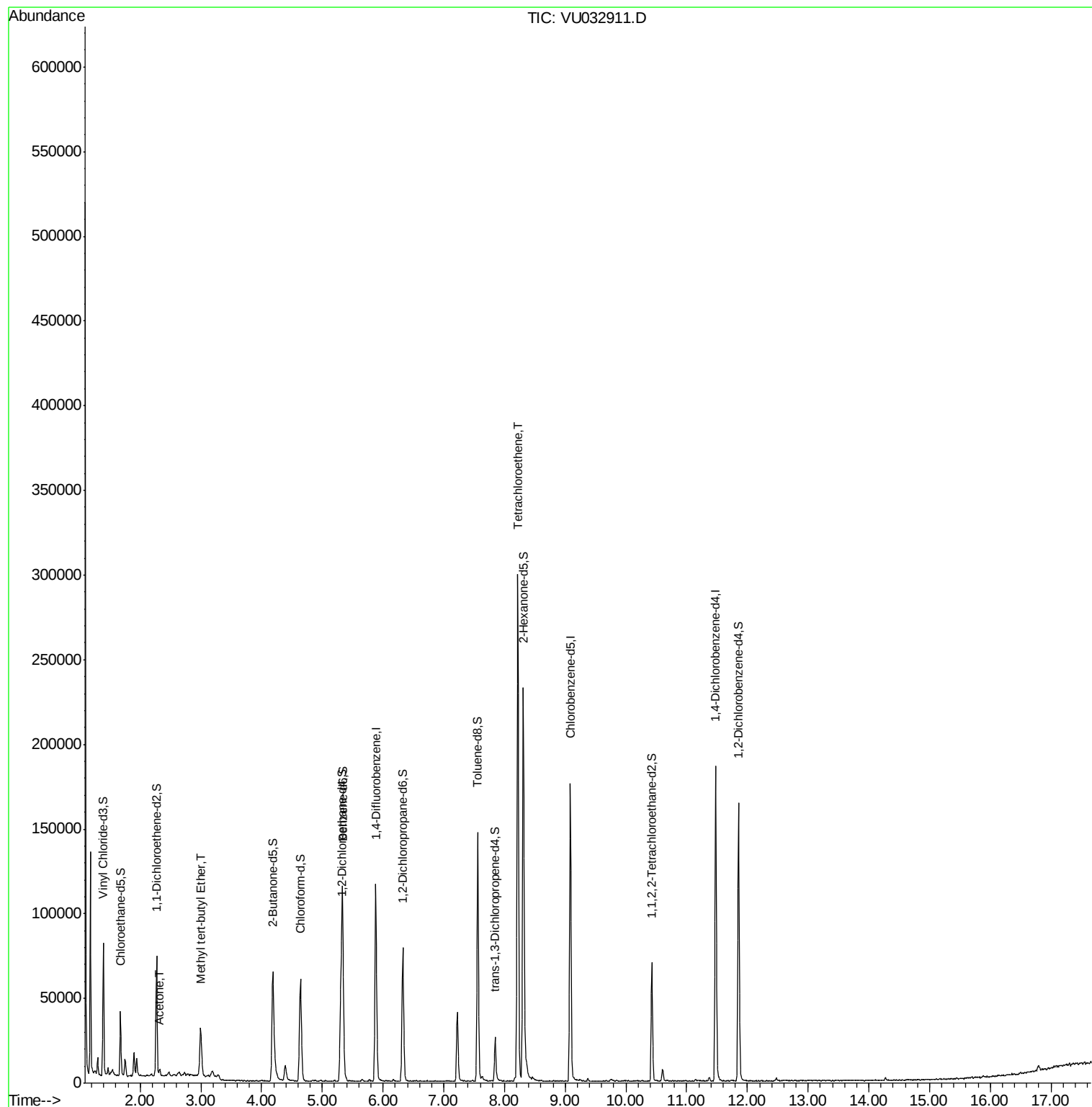
| Target Compounds            |      |     |       |              | Ovalue |
|-----------------------------|------|-----|-------|--------------|--------|
| 13) Acetone                 | 2.32 | 43  | 2999  | 2.287 ug/L   | 92     |
| 17) Methyl tert-butyl Ether | 3.00 | 73  | 25807 | 1.491 ug/L # | 92     |
| 47) Tetrachloroethene       | 8.22 | 164 | 63508 | 10.293 ug/L  | 97     |

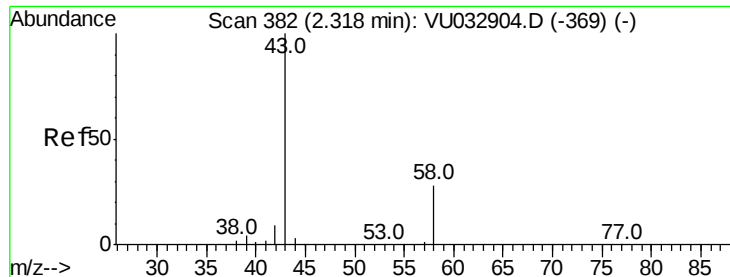
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#13

Acetone

Concen: 2.287 ug/L

RT: 2.32 min Scan# 382

Delta R.T. 0.00 min

Lab File: VU032911.D

Acq: 20 Jun 2019 19:38

Instrument :

MSVOA\_U

ClientSampled :

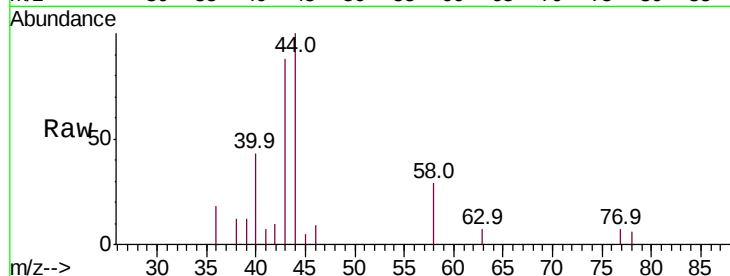
GALG2

Tot Ion: 43 Resp: 2999

Ion Ratio Lower Upper

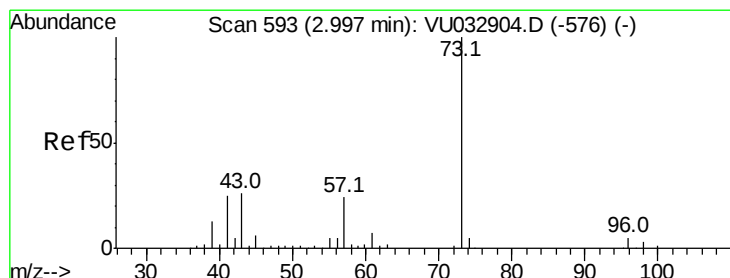
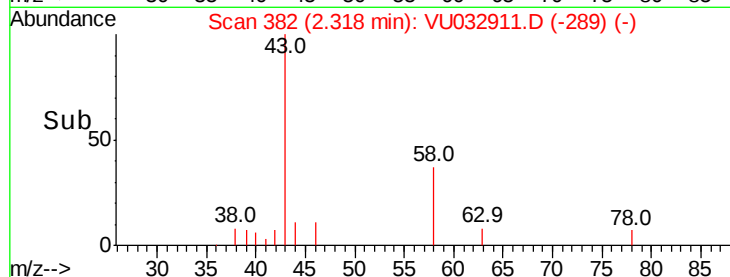
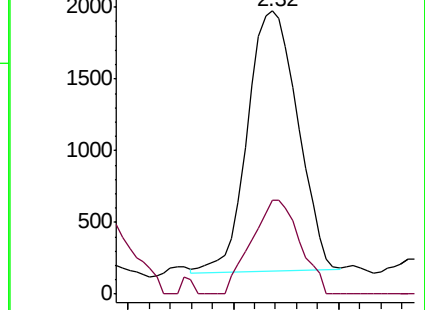
43 100

58 34.9 0.0 60.8



Abundance Ion 43.05 (42.75 to 43.75): VU032911.D (-289) (-)

Ion 58.05 (57.75 to 58.75): VU032911.D (-289) (-)



#17

Methyl tert-butyl Ether

Concen: 1.491 ug/L

RT: 3.00 min Scan# 593

Delta R.T. -0.00 min

Lab File: VU032911.D

Acq: 20 Jun 2019 19:38

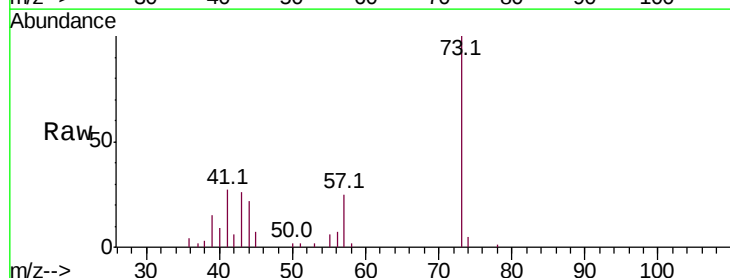
Tgt Ion: 73 Resp: 25807

Ion Ratio Lower Upper

73 100

43 26.4 18.6 27.8

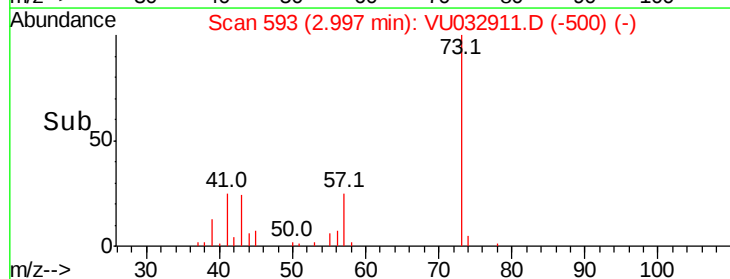
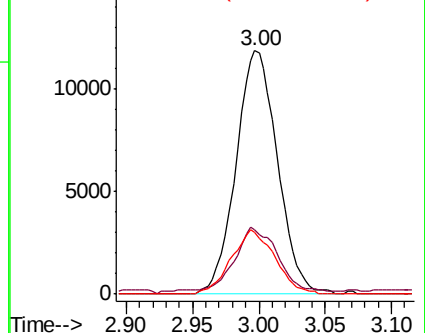
57 27.6 18.3 27.5#

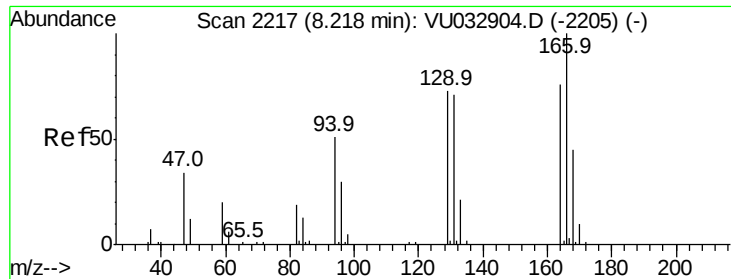


Abundance Ion 73.10 (72.80 to 73.80): VU032911.D (-500) (-)

Ion 43.05 (42.75 to 43.75): VU032911.D (-500) (-)

Ion 57.10 (56.80 to 57.80): VU032911.D (-500) (-)





#47

Tetrachloroethene

Concen: 10.293 ug/L

RT: 8.22 min Scan# 2218

Delta R.T. 0.00 min

Lab File: VU032911.D

Acq: 20 Jun 2019 19:38

Instrument :

MSVOA\_U

ClientSampleId :

GALG2

Tot Ion:164 Resp: 63508

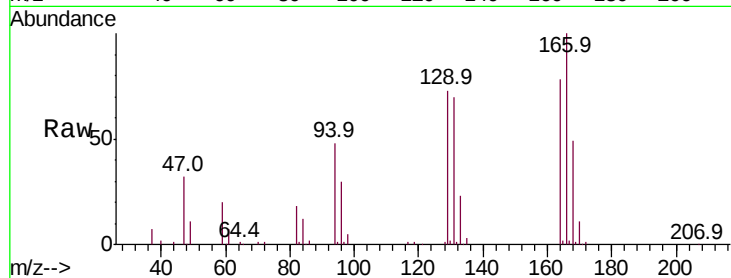
Ion Ratio Lower Upper

164 100

129 94.5 66.1 122.7

131 90.4 65.6 121.8

166 128.9 93.2 173.2



Abundance Ion 163.90 (163.60 to 164.60): V

Ion 128.95 (128.65 to 129.65): V

Ion 130.95 (130.65 to 131.65): V

Ion 165.90 (165.60 to 166.60): V

