

Data File : VU034587.D  
Acq On : 17 Sep 2019 00:47  
Operator : JC/SP  
Sample : K4868-19  
Misc : 5.0mL/MSVOA\_U/WATER  
ALS Vial : 35 Sample Multiplier: 1

Instrument :  
MSVOA\_U  
ClientSampleId :  
COMP1

Quant Time: Sep 17 05:04:57 2019  
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_U\METHOD\SOMULM091619WMA.M  
Quant Title : VOC Analysis  
QLast Update : Tue Sep 17 05:01:24 2019  
Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|----------------------------|-------|------|----------|-------|-------|----------|
| 1) 1,4-Difluorobenzene     | 5.86  | 114  | 275696   | 50.00 | ug/L  | 0.00     |
| 28) Chlorobenzene-d5       | 9.07  | 117  | 255145   | 50.00 | ug/L  | 0.00     |
| 60) 1,4-Dichlorobenzene-d4 | 11.46 | 152  | 104878   | 50.00 | ug/L  | 0.00     |

#### System Monitoring Compounds

|                                |         |       |          |          |      |         |
|--------------------------------|---------|-------|----------|----------|------|---------|
| 4) Vinyl Chloride-d3           | 1.39    | 65    | 62197    | 46.76    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 60 - 135 | Recovery | =    | 93.52%  |
| 7) Chloroethane-d5             | 1.67    | 69    | 53698    | 52.49    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 70 - 130 | Recovery | =    | 104.98% |
| 11) 1,1-Dichloroethene-d2      | 2.26    | 63    | 100521   | 36.94    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 60 - 125 | Recovery | =    | 73.88%  |
| 21) 2-Butanone-d5              | 4.15    | 46    | 162468   | 108.32   | ug/L | 0.00    |
| Spiked Amount                  | 100.000 | Range | 40 - 130 | Recovery | =    | 108.32% |
| 24) Chloroform-d               | 4.62    | 84    | 152151   | 50.38    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 70 - 125 | Recovery | =    | 100.76% |
| 26) 1,2-Dichloroethane-d4      | 5.29    | 65    | 100001   | 54.27    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 70 - 125 | Recovery | =    | 108.54% |
| 32) Benzene-d6                 | 5.32    | 84    | 288123   | 51.36    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 70 - 125 | Recovery | =    | 102.72% |
| 36) 1,2-Dichloropropane-d6     | 6.31    | 67    | 110071   | 52.71    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 70 - 120 | Recovery | =    | 105.42% |
| 41) Toluene-d8                 | 7.54    | 98    | 271982   | 49.93    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 80 - 120 | Recovery | =    | 99.86%  |
| 43) trans-1,3-Dichloropropene- | 7.83    | 79    | 49968    | 50.16    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 60 - 125 | Recovery | =    | 100.32% |
| 47) 2-Hexanone-d5              | 8.29    | 63    | 116531   | 102.86   | ug/L | 0.00    |
| Spiked Amount                  | 100.000 | Range | 45 - 130 | Recovery | =    | 102.86% |
| 57) 1,1,2,2-Tetrachloroethane- | 10.41   | 84    | 161553   | 49.51    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 65 - 120 | Recovery | =    | 99.02%  |
| 64) 1,2-Dichlorobenzene-d4     | 11.84   | 152   | 96043    | 51.34    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 80 - 120 | Recovery | =    | 102.68% |

#### Target Compounds

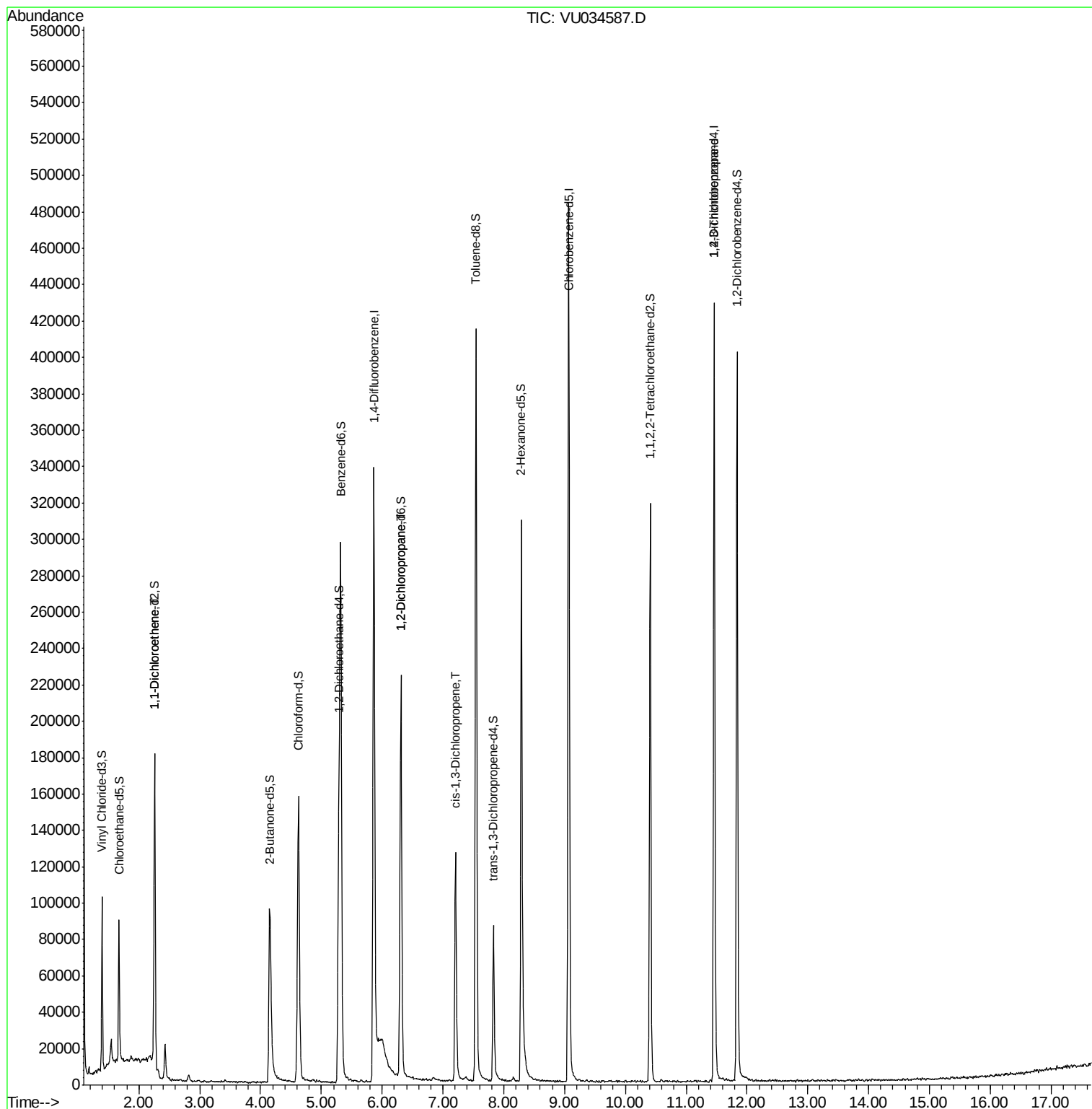
|                             |       |    |       |              | Qvalue |
|-----------------------------|-------|----|-------|--------------|--------|
| 12) 1,1-Dichloroethene      | 2.26  | 96 | 1360  | 1.038 ug/L # | 1      |
| 37) 1,2-Dichloropropane     | 6.31  | 63 | 11640 | 5.926 ug/L # | 89     |
| 39) cis-1,3-Dichloropropene | 7.21  | 75 | 3603  | 1.221 ug/L # | 79     |
| 59) 1,2,3-Trichloropropane  | 11.46 | 75 | 16938 | 6.313 ug/L   | 95     |

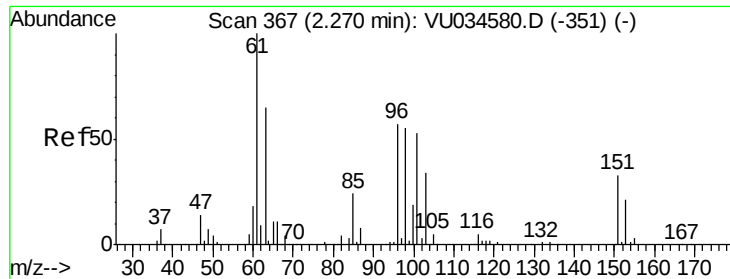
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#12

1,1-Dichloroethene

Concen: 1.038 ug/L

RT: 2.26 min Scan# 364

Delta R.T. -0.01 min

Lab File: VU034587.D

Acq: 17 Sep 2019 00:47

Instrument :

MSVOA\_U

ClientSampled :

COMP1

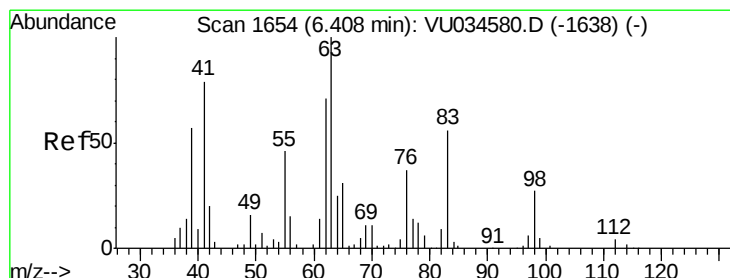
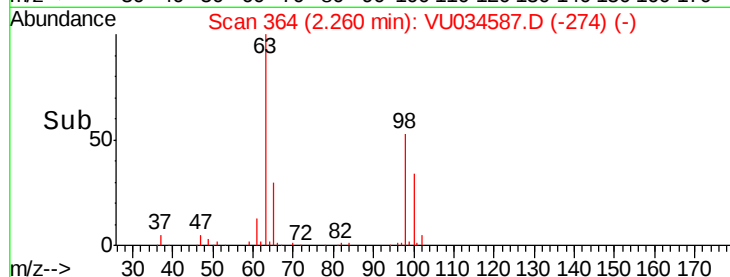
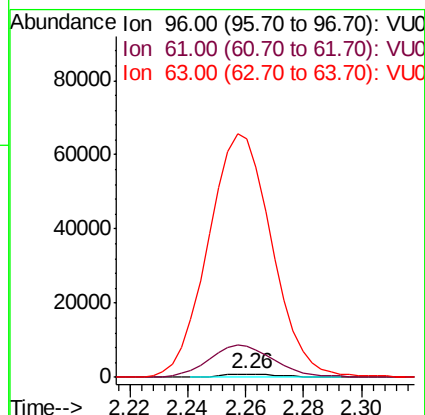
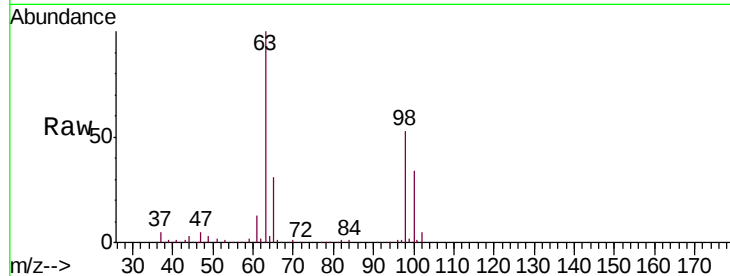
Tgt Ion: 96 Resp: 1360

Ion Ratio Lower Upper

96 100

61 949.0 117.8 218.8#

63 7204.5 83.8 155.6#



#37

1,2-Dichloropropane

Concen: 5.926 ug/L

RT: 6.31 min Scan# 1623

Delta R.T. -0.10 min

Lab File: VU034587.D

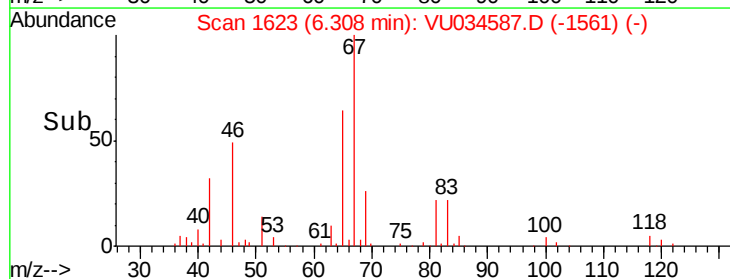
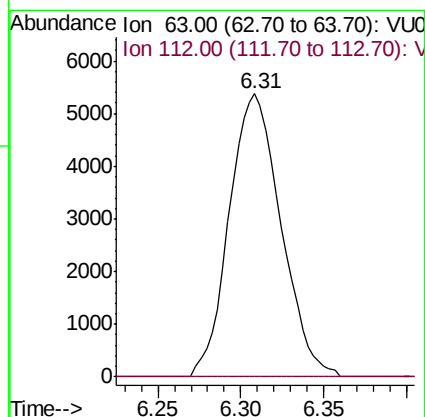
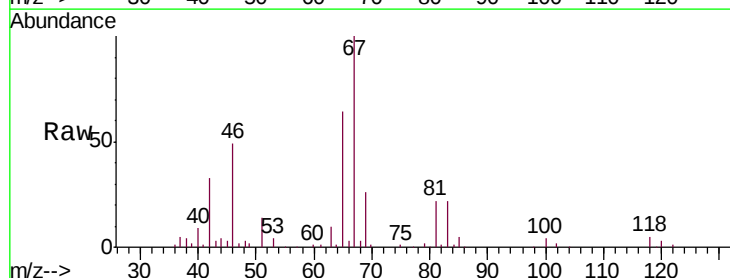
Acq: 17 Sep 2019 00:47

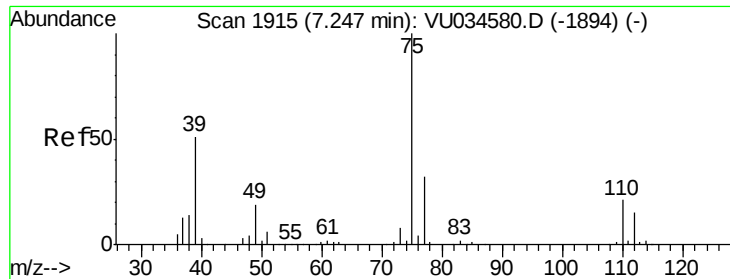
Tgt Ion: 63 Resp: 11640

Ion Ratio Lower Upper

63 100

112 0.0 2.9 4.3#

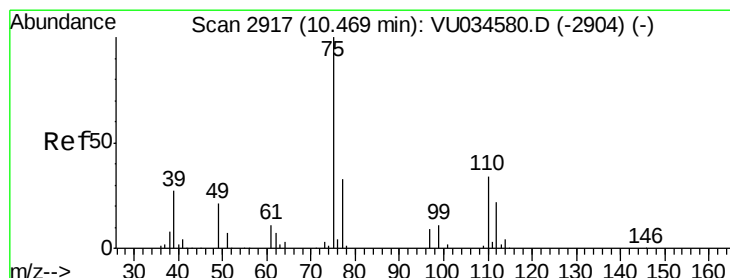
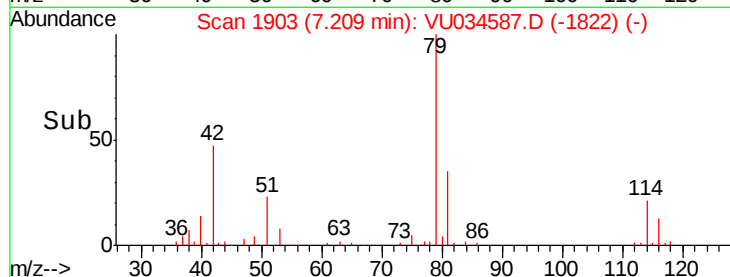
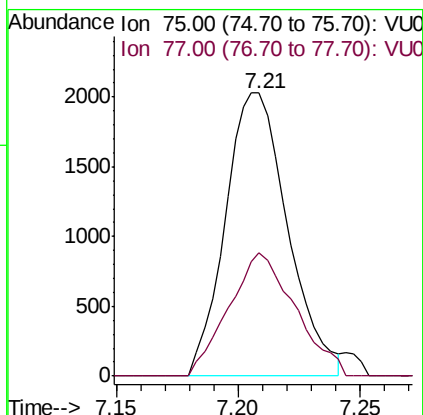
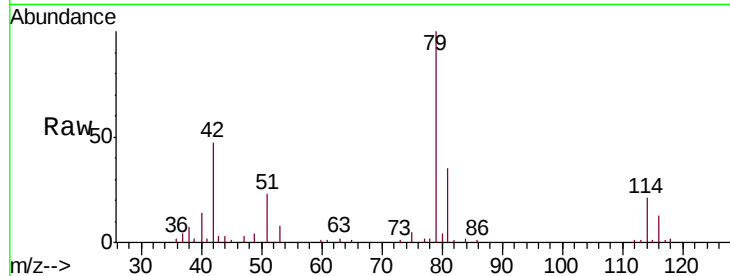




#39  
 cis-1,3-Dichloropropene  
 Concen: 1.221 ug/L  
 RT: 7.21 min Scan# 1903  
 Delta R.T. -0.04 min  
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Tgt Ion: 75 Resp: 3603  
 Ion Ratio Lower Upper  
 75 100  
 77 43.5 22.3 41.3#



#59  
 1,2,3-Trichloropropane  
 Concen: 6.313 ug/L  
 RT: 11.46 min Scan# 3226  
 Delta R.T. 0.99 min  
 Lab File: VU034587.D  
 Acq: 17 Sep 2019 00:47

Tgt Ion: 75 Resp: 16938  
 Ion Ratio Lower Upper  
 75 100  
 77 35.4 26.1 39.1

