

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU082418\  
 Data File : VU026347.D  
 Acq On : 24 Aug 2018 20:36  
 Operator : MD/SY  
 Sample : J4644-13 40X  
 Misc : 5.0mL/MSVOA U/WATER  
 ALS Vial : 22 Sample Multiplier: 1

Instrument :  
 MSVOA\_U  
 ClientSampleId :

Quant Time: Aug 25 04:28:44 2018  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_U\METHOD\SOMULM082218WMA.M  
 Quant Title : VOC Analysis  
 QLast Update : Sat Aug 25 04:25:01 2018  
 Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|----------------------------|-------|------|----------|-------|-------|----------|
| 1) 1,4-Difluorobenzene     | 5.89  | 114  | 285159   | 50.00 | ug/L  | 0.00     |
| 28) Chlorobenzene-d5       | 9.09  | 117  | 282032   | 50.00 | ug/L  | 0.00     |
| 60) 1,4-Dichlorobenzene-d4 | 11.49 | 152  | 133359   | 50.00 | ug/L  | 0.00     |

## System Monitoring Compounds

|                                |         |       |          |          |      |         |
|--------------------------------|---------|-------|----------|----------|------|---------|
| 4) Vinyl Chloride-d3           | 1.40    | 65    | 69201    | 39.79    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 60 - 135 | Recovery | =    | 79.58%  |
| 7) Chloroethane-d5             | 1.68    | 69    | 61616    | 43.44    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 70 - 130 | Recovery | =    | 86.88%  |
| 11) 1,1-Dichloroethene-d2      | 2.27    | 63    | 111870   | 32.72    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 60 - 125 | Recovery | =    | 65.44%  |
| 21) 2-Butanone-d5              | 4.18    | 46    | 140673   | 101.34   | ug/L | 0.00    |
| Spiked Amount                  | 100.000 | Range | 40 - 130 | Recovery | =    | 101.34% |
| 24) Chloroform-d               | 4.65    | 84    | 180234   | 46.49    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 70 - 125 | Recovery | =    | 92.98%  |
| 26) 1,2-Dichloroethane-d4      | 5.31    | 65    | 122327   | 48.49    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 70 - 125 | Recovery | =    | 96.98%  |
| 32) Benzene-d6                 | 5.35    | 84    | 337992   | 44.80    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 70 - 125 | Recovery | =    | 89.60%  |
| 36) 1,2-Dichloropropane-d6     | 6.33    | 67    | 115088   | 47.51    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 70 - 120 | Recovery | =    | 95.02%  |
| 41) Toluene-d8                 | 7.57    | 98    | 301359   | 41.79    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 80 - 120 | Recovery | =    | 83.58%  |
| 43) trans-1,3-Dichloropropene- | 7.85    | 79    | 53838    | 43.01    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 60 - 125 | Recovery | =    | 86.02%  |
| 47) 2-Hexanone-d5              | 8.31    | 63    | 98057    | 94.70    | ug/L | 0.00    |
| Spiked Amount                  | 100.000 | Range | 45 - 130 | Recovery | =    | 94.70%  |
| 57) 1,1,2,2-Tetrachloroethane- | 10.44   | 84    | 165174   | 46.07    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 65 - 120 | Recovery | =    | 92.14%  |
| 64) 1,2-Dichlorobenzene-d4     | 11.86   | 152   | 132813   | 46.93    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 80 - 120 | Recovery | =    | 93.86%  |

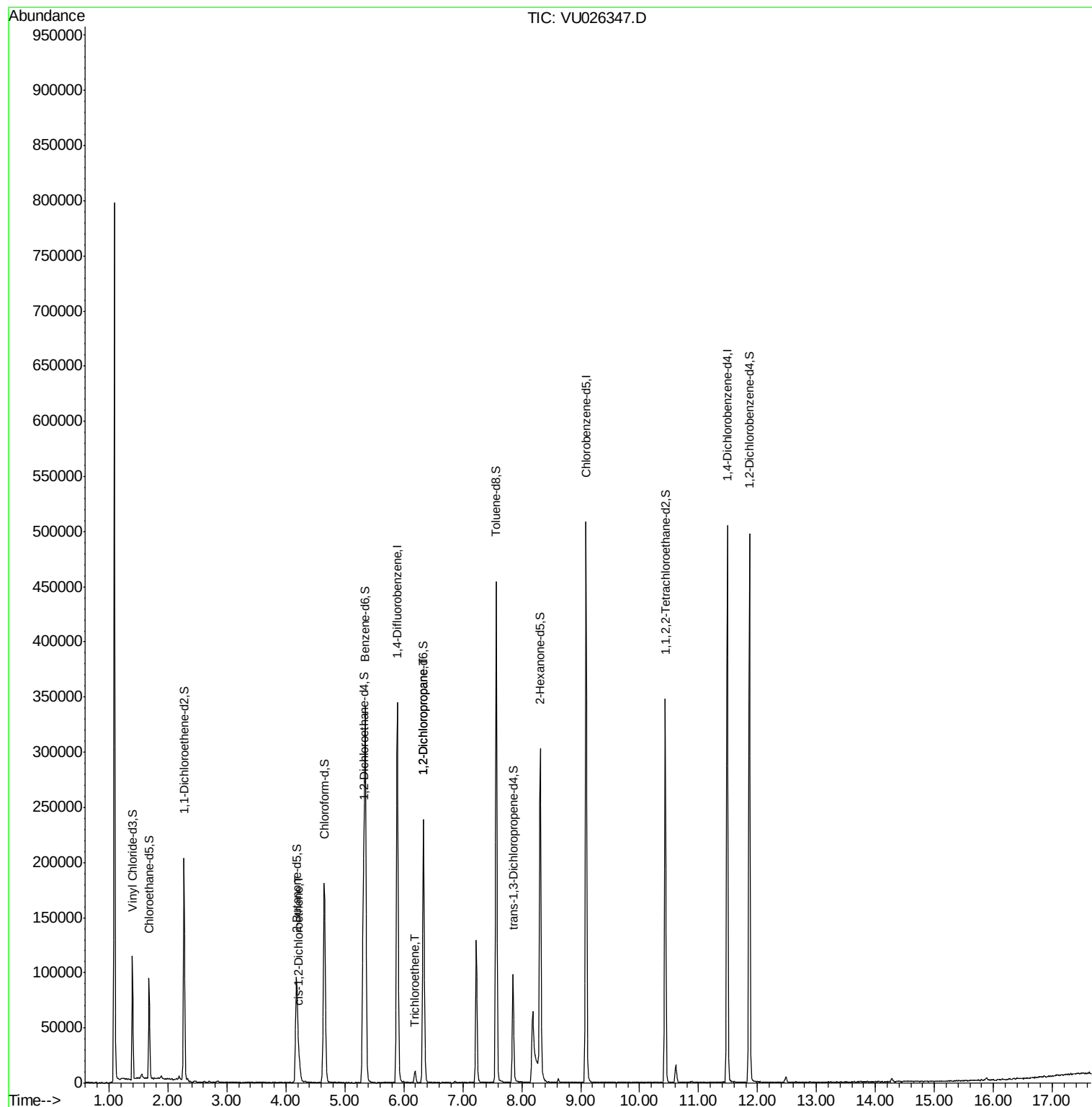
| Target Compounds           |      |    |       |              | Ovalue |
|----------------------------|------|----|-------|--------------|--------|
| 20) cis-1,2-Dichloroethene | 4.23 | 96 | 7003  | 3.429 ug/L   | 86     |
| 34) Trichloroethene        | 6.19 | 95 | 3518  | 1.730 ug/L   | 89     |
| 37) 1,2-Dichloropropane    | 6.33 | 63 | 12261 | 5.835 ug/L # | 87     |

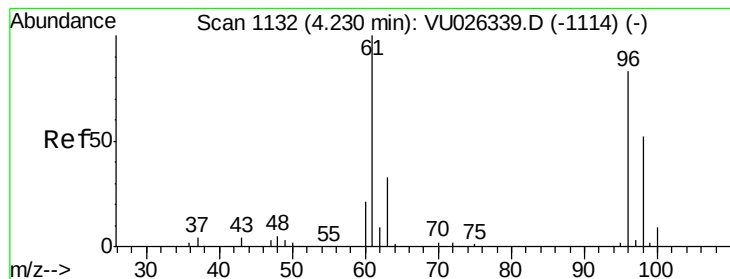
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Sat Aug 25 04:25:01 2018  
Response via : Initial Calibration





#20

cis-1,2-Dichloroethene

Concen: 3.429 ug/L

RT: 4.23 min Scan# 1131

Delta R.T. -0.00 min

Lab File: VU026347.D

Acq: 24 Aug 2018 20:36

Instrument :

MSVOA\_U

ClientSampled :

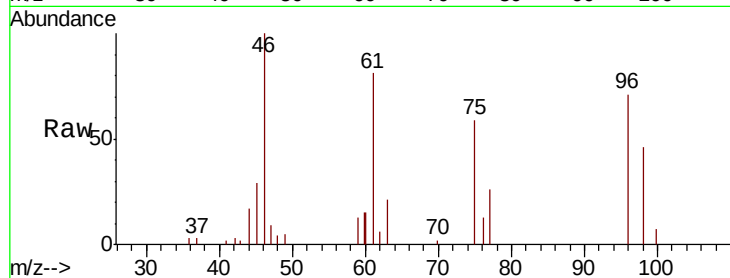
Tot Ion: 96 Resp: 7003

Ion Ratio Lower Upper

96 100

61 113.2 90.3 167.7

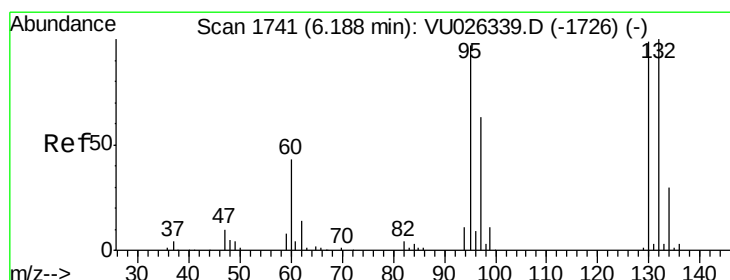
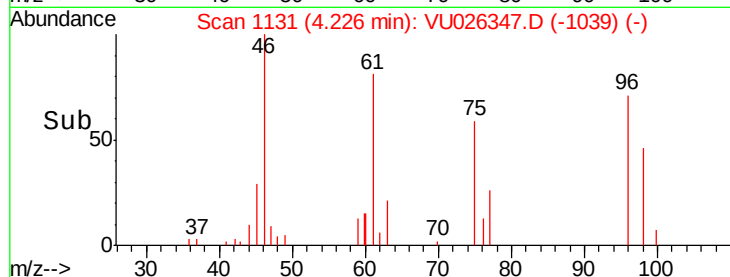
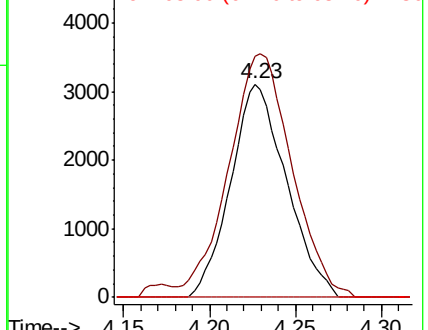
68 0.0 0.0 0.0



Abundance Ion 96.00 (95.70 to 96.70): VU026339.D (-1114) (-)

Ion 61.00 (60.70 to 61.70): VU026339.D (-1114) (-)

Ion 68.00 (67.70 to 68.70): VU026339.D (-1114) (-)



#34

Trichloroethene

Concen: 1.730 ug/L

RT: 6.19 min Scan# 1742

Delta R.T. 0.00 min

Lab File: VU026347.D

Acq: 24 Aug 2018 20:36

Tgt Ion: 95 Resp: 3518

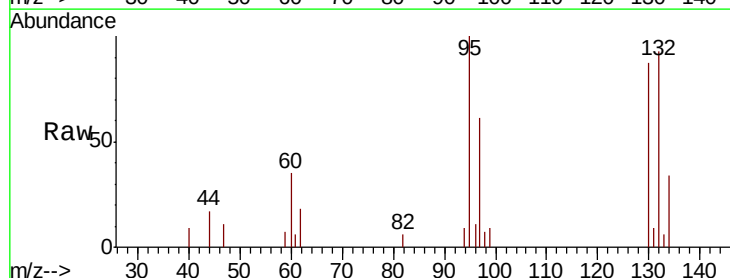
Ion Ratio Lower Upper

95 100

97 60.7 47.2 87.6

132 93.3 70.2 130.4

130 86.8 73.4 136.4

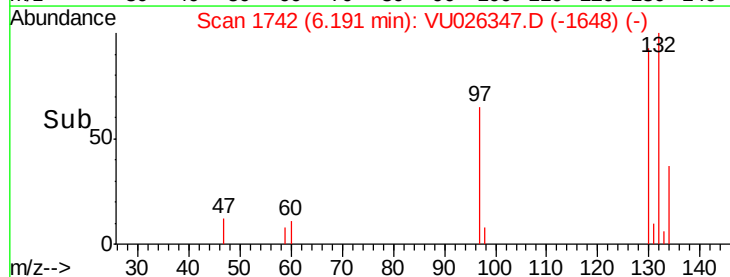
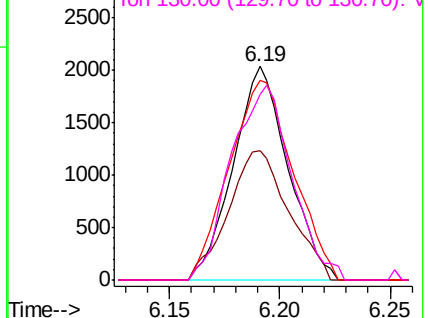


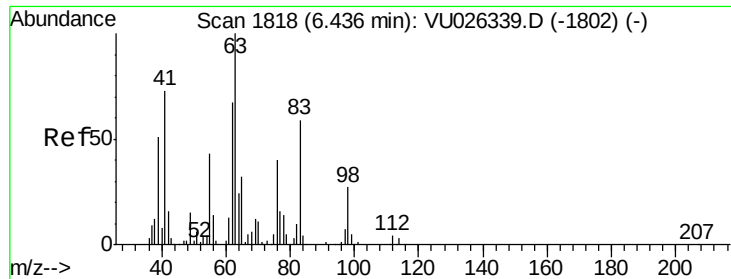
Abundance Ion 95.00 (94.70 to 95.70): VU026339.D (-1726) (-)

Ion 97.00 (96.70 to 97.70): VU026339.D (-1726) (-)

Ion 132.00 (131.70 to 132.70): VU026339.D (-1726) (-)

Ion 130.00 (129.70 to 130.70): VU026339.D (-1726) (-)





#37  
 1,2-Dichloropropane  
 Concen: 5.835 ug/L  
 RT: 6.33 min Scan# 1786  
 Delta R.T. -0.10 min  
 Lab File: VU026347.D  
 Acq: 24 Aug 2018 20:36

Instrument :  
 MSVOA\_U  
 ClientSampleId :

Tot Ion: 63 Resp: 12261  
 Ion Ratio Lower Upper  
 63 100  
 112 0.0 3.4 5.2#

