

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU062618\  
 Data File : VU024925.D  
 Acq On : 26 Jun 2018 14:54  
 Operator : MD/SY  
 Sample : J3621-16ME  
 Misc : 7.21g/5.0mL/100uL/5.0mL/MSVOA\_U/MEOH  
 ALS Vial : 8 Sample Multiplier: 1

Instrument :  
 MSVOA\_U  
 ClientSampleId :  
 DAZ78ME

Quant Time: Jun 27 01:24:28 2018  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_U\METHOD\SOMULM061518WMA.M  
 Quant Title : VOC Analysis  
 QLast Update : Wed Jun 27 01:09:35 2018  
 Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|----------------------------|-------|------|----------|-------|-------|----------|
| 1) 1,4-Difluorobenzene     | 5.89  | 114  | 395471   | 50.00 | ug/L  | 0.00     |
| 28) Chlorobenzene-d5       | 9.09  | 117  | 359142   | 50.00 | ug/L  | 0.00     |
| 60) 1,4-Dichlorobenzene-d4 | 11.49 | 152  | 171407   | 50.00 | ug/L  | 0.00     |

## System Monitoring Compounds

|                                |         |       |          |          |      |         |
|--------------------------------|---------|-------|----------|----------|------|---------|
| 4) Vinyl Chloride-d3           | 1.40    | 65    | 69591    | 30.74    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 60 - 135 | Recovery | =    | 61.48%  |
| 7) Chloroethane-d5             | 1.66    | 69    | 44203    | 25.38    | ug/L | -0.02   |
| Spiked Amount                  | 50.000  | Range | 70 - 130 | Recovery | =    | 50.76%# |
| 11) 1,1-Dichloroethene-d2      | 2.25    | 63    | 124921   | 27.62    | ug/L | -0.03   |
| Spiked Amount                  | 50.000  | Range | 60 - 125 | Recovery | =    | 55.24%# |
| 21) 2-Butanone-d5              | 4.19    | 46    | 153396   | 80.28    | ug/L | 0.02    |
| Spiked Amount                  | 100.000 | Range | 40 - 130 | Recovery | =    | 80.28%  |
| 24) Chloroform-d               | 4.65    | 84    | 184256   | 40.40    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 70 - 125 | Recovery | =    | 80.80%  |
| 26) 1,2-Dichloroethane-d4      | 5.31    | 65    | 135081   | 47.23    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 70 - 125 | Recovery | =    | 94.46%  |
| 32) Benzene-d6                 | 5.34    | 84    | 367556   | 42.03    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 70 - 125 | Recovery | =    | 84.06%  |
| 36) 1,2-Dichloropropane-d6     | 6.33    | 67    | 121391   | 41.84    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 70 - 120 | Recovery | =    | 83.68%  |
| 41) Toluene-d8                 | 7.57    | 98    | 353805   | 40.10    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 80 - 120 | Recovery | =    | 80.20%  |
| 43) trans-1,3-Dichloropropene- | 7.85    | 79    | 60225    | 40.68    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 60 - 125 | Recovery | =    | 81.36%  |
| 47) 2-Hexanone-d5              | 8.33    | 63    | 123643   | 82.79    | ug/L | 0.02    |
| Spiked Amount                  | 100.000 | Range | 45 - 130 | Recovery | =    | 82.79%  |
| 57) 1,1,2,2-Tetrachloroethane- | 10.44   | 84    | 173234   | 40.71    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 65 - 120 | Recovery | =    | 81.42%  |
| 64) 1,2-Dichlorobenzene-d4     | 11.87   | 152   | 148524   | 44.91    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 80 - 120 | Recovery | =    | 89.82%  |

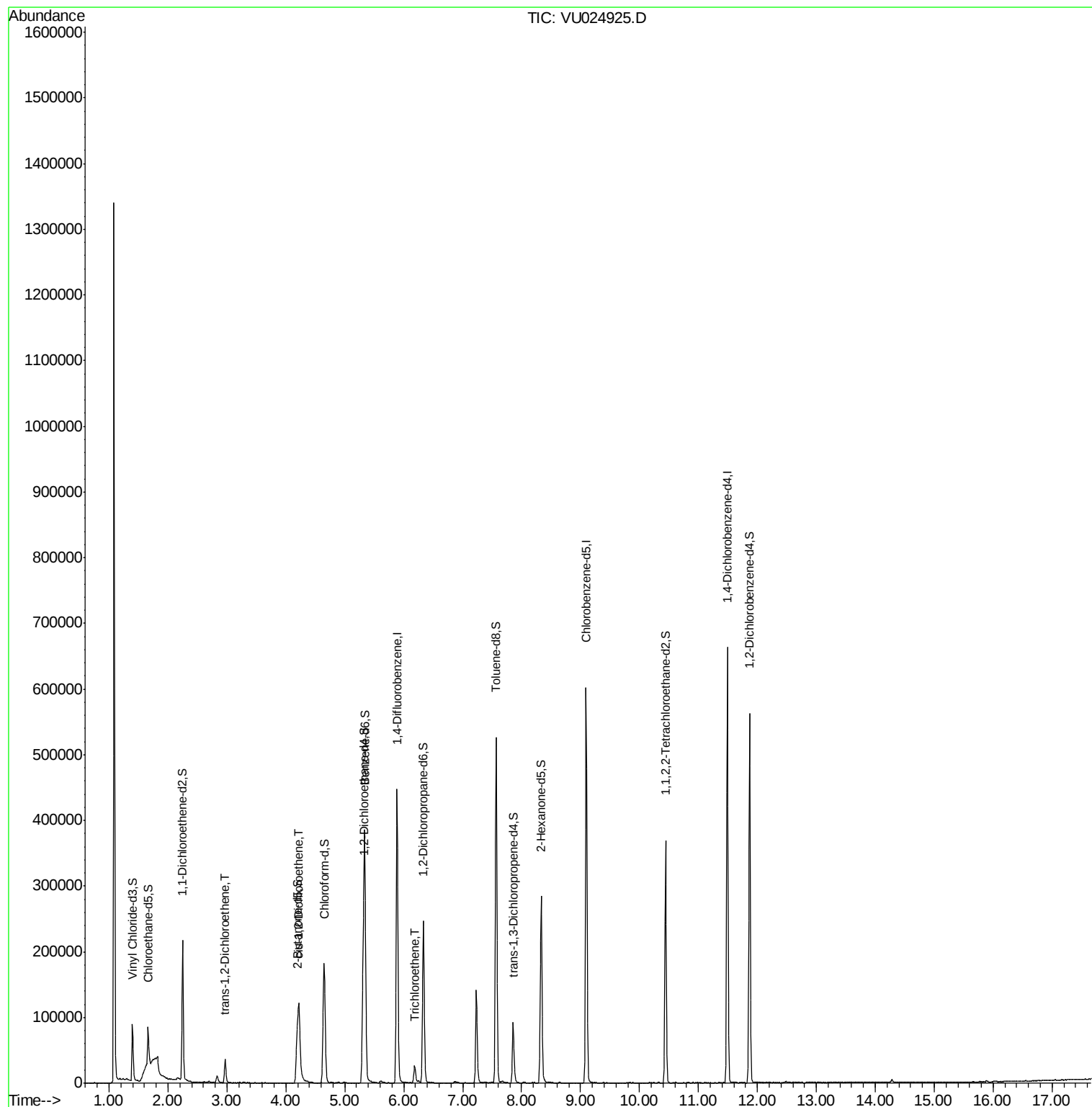
| Target Compounds             |      |    |       |       |      | Ovalue |
|------------------------------|------|----|-------|-------|------|--------|
| 17) trans-1,2-Dichloroethene | 2.97 | 96 | 13701 | 5.17  | ug/L | 92     |
| 20) cis-1,2-Dichloroethene   | 4.22 | 96 | 50194 | 16.23 | ug/L | 98     |
| 34) Trichloroethene          | 6.18 | 95 | 8802  | 3.02  | ug/L | 94     |

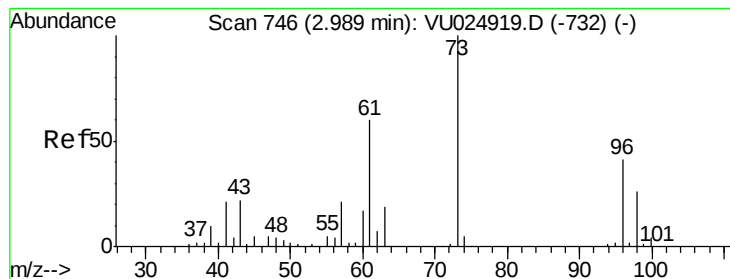
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#17

trans-1,2-Dichloroethene

Concen: 5.17 ug/L

RT: 2.97 min Scan# 740

Delta R.T. -0.02 min

Lab File: VU024925.D

Acq: 26 Jun 2018 14:54

Instrument :

MSVOA\_U

ClientSampled :

DAZ78ME

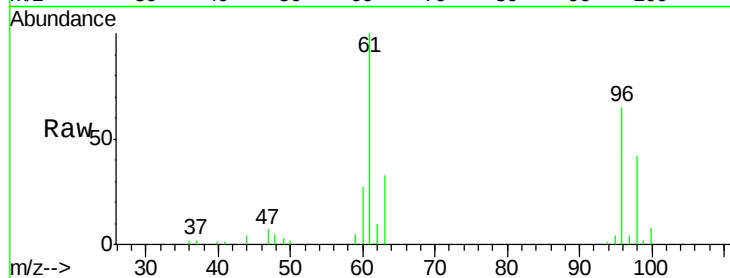
Tot Ion: 96 Resp: 13701

Ion Ratio Lower Upper

96 100

61 153.5 97.4 180.8

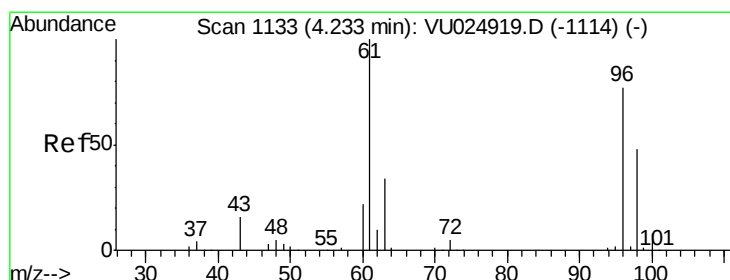
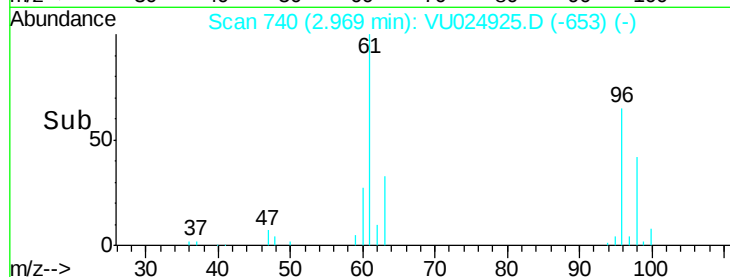
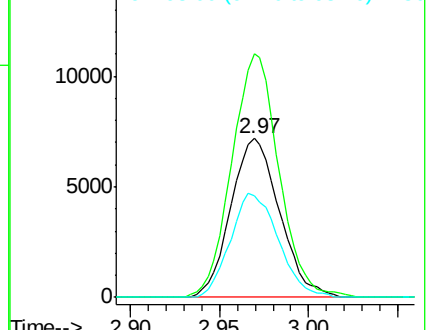
98 64.3 44.9 83.5



Abundance Ion 96.00 (95.70 to 96.70): VU0

Ion 61.00 (60.70 to 61.70): VU0

Ion 98.00 (97.70 to 98.70): VU0



#20

cis-1,2-Dichloroethene

Concen: 16.23 ug/L

RT: 4.22 min Scan# 1129

Delta R.T. -0.01 min

Lab File: VU024925.D

Acq: 26 Jun 2018 14:54

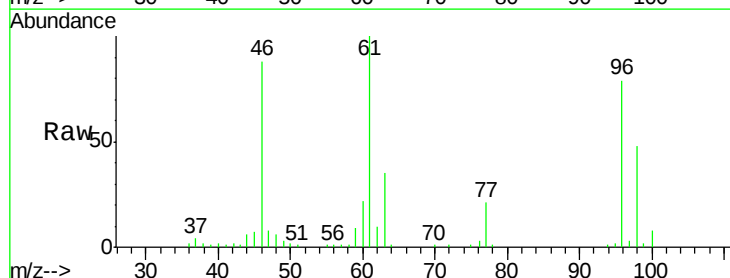
Tgt Ion: 96 Resp: 50194

Ion Ratio Lower Upper

96 100

61 126.9 87.1 161.7

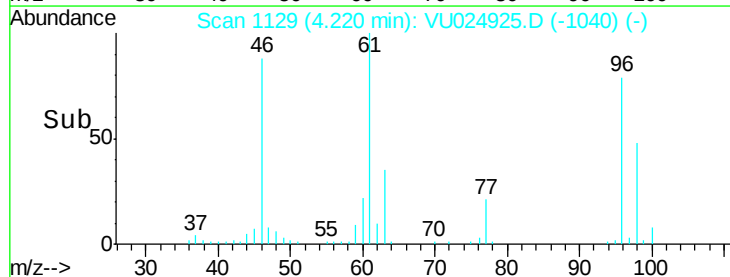
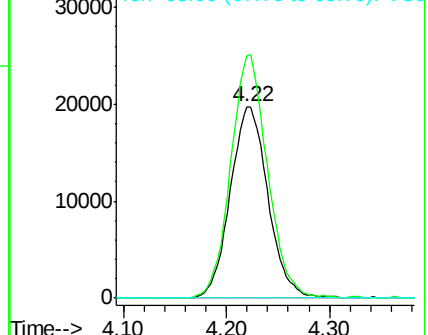
68 0.0 0.0 0.0

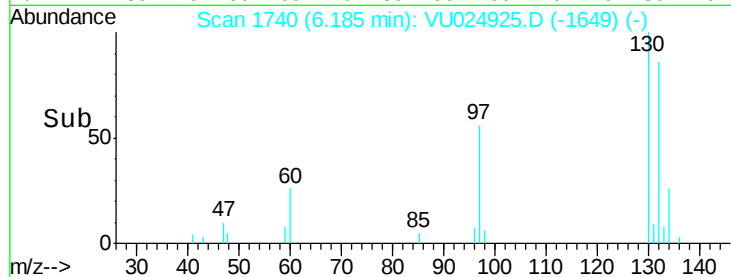
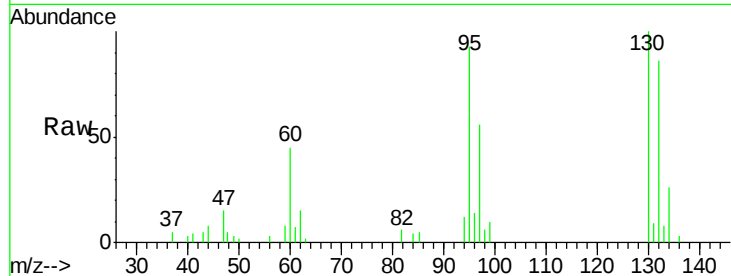
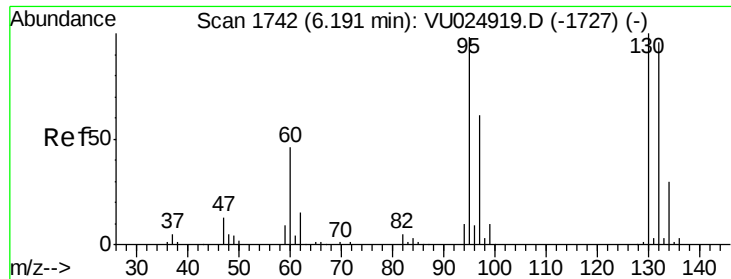


Abundance Ion 96.00 (95.70 to 96.70): VU0

Ion 61.00 (60.70 to 61.70): VU0

Ion 68.00 (67.70 to 68.70): VU0





#34

Trichloroethene

Concen: 3.02 ug/L

RT: 6.18 min Scan# 1740

Delta R.T. -0.01 min

Lab File: VU024925.D

Acq: 26 Jun 2018 14:54

Instrument :

MSVOA\_U

ClientSampleId :

DAZ78ME

Tot Ion: 95 Resp: 8802

Ion Ratio Lower Upper

95 100

97 60.2 44.8 83.2

132 93.0 70.4 130.8

130 107.9 72.6 134.8

Abundance Ion 95.00 (94.70 to 95.70): VU0

Ion 97.00 (96.70 to 97.70): VU0

Ion 132.00 (131.70 to 132.70): V

Ion 130.00 (129.70 to 130.70): V

