

Data File : VU027499.D  
Acq On : 08 Oct 2018 14:52  
Operator : MD/SY  
Sample : J5298-01  
Misc : 5.0mL/MSVOA\_U/WATER  
ALS Vial : 14 Sample Multiplier: 1

Instrument :  
MSVOA\_U  
ClientSampleId :  
E62T4

Quant Time: Oct 09 04:56:57 2018  
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_U\METHOD\SOMULM100518WMA.M  
Quant Title : VOC Analysis  
QLast Update : Tue Oct 09 04:55:00 2018  
Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|----------------------------|-------|------|----------|-------|-------|----------|
| 1) 1,4-Difluorobenzene     | 5.89  | 114  | 191105   | 50.00 | ug/L  | 0.00     |
| 28) Chlorobenzene-d5       | 9.09  | 117  | 181054   | 50.00 | ug/L  | 0.00     |
| 60) 1,4-Dichlorobenzene-d4 | 11.48 | 152  | 83736    | 50.00 | ug/L  | 0.00     |

#### System Monitoring Compounds

|                                |         |       |          |          |      |         |
|--------------------------------|---------|-------|----------|----------|------|---------|
| 4) Vinyl Chloride-d3           | 1.40    | 65    | 59315    | 39.44    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 60 - 135 | Recovery | =    | 78.88%  |
| 7) Chloroethane-d5             | 1.68    | 69    | 50623    | 43.69    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 70 - 130 | Recovery | =    | 87.38%  |
| 11) 1,1-Dichloroethene-d2      | 2.27    | 63    | 87156    | 30.89    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 60 - 125 | Recovery | =    | 61.78%  |
| 21) 2-Butanone-d5              | 4.18    | 46    | 131701   | 108.48   | ug/L | 0.00    |
| Spiked Amount                  | 100.000 | Range | 40 - 130 | Recovery | =    | 108.48% |
| 24) Chloroform-d               | 4.65    | 84    | 116673   | 48.50    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 70 - 125 | Recovery | =    | 97.00%  |
| 26) 1,2-Dichloroethane-d4      | 5.31    | 65    | 82774    | 49.10    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 70 - 125 | Recovery | =    | 98.20%  |
| 32) Benzene-d6                 | 5.34    | 84    | 233919   | 45.08    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 70 - 125 | Recovery | =    | 90.16%  |
| 36) 1,2-Dichloropropane-d6     | 6.33    | 67    | 85015    | 47.83    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 70 - 120 | Recovery | =    | 95.66%  |
| 41) Toluene-d8                 | 7.57    | 98    | 195733   | 42.20    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 80 - 120 | Recovery | =    | 84.40%  |
| 43) trans-1,3-Dichloropropene- | 7.85    | 79    | 37512    | 43.80    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 60 - 125 | Recovery | =    | 87.60%  |
| 47) 2-Hexanone-d5              | 8.31    | 63    | 91114    | 101.50   | ug/L | 0.00    |
| Spiked Amount                  | 100.000 | Range | 45 - 130 | Recovery | =    | 101.50% |
| 57) 1,1,2,2-Tetrachloroethane- | 10.43   | 84    | 114246   | 49.15    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 65 - 120 | Recovery | =    | 98.30%  |
| 64) 1,2-Dichlorobenzene-d4     | 11.86   | 152   | 75960    | 46.37    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 80 - 120 | Recovery | =    | 92.74%  |

#### Target Compounds

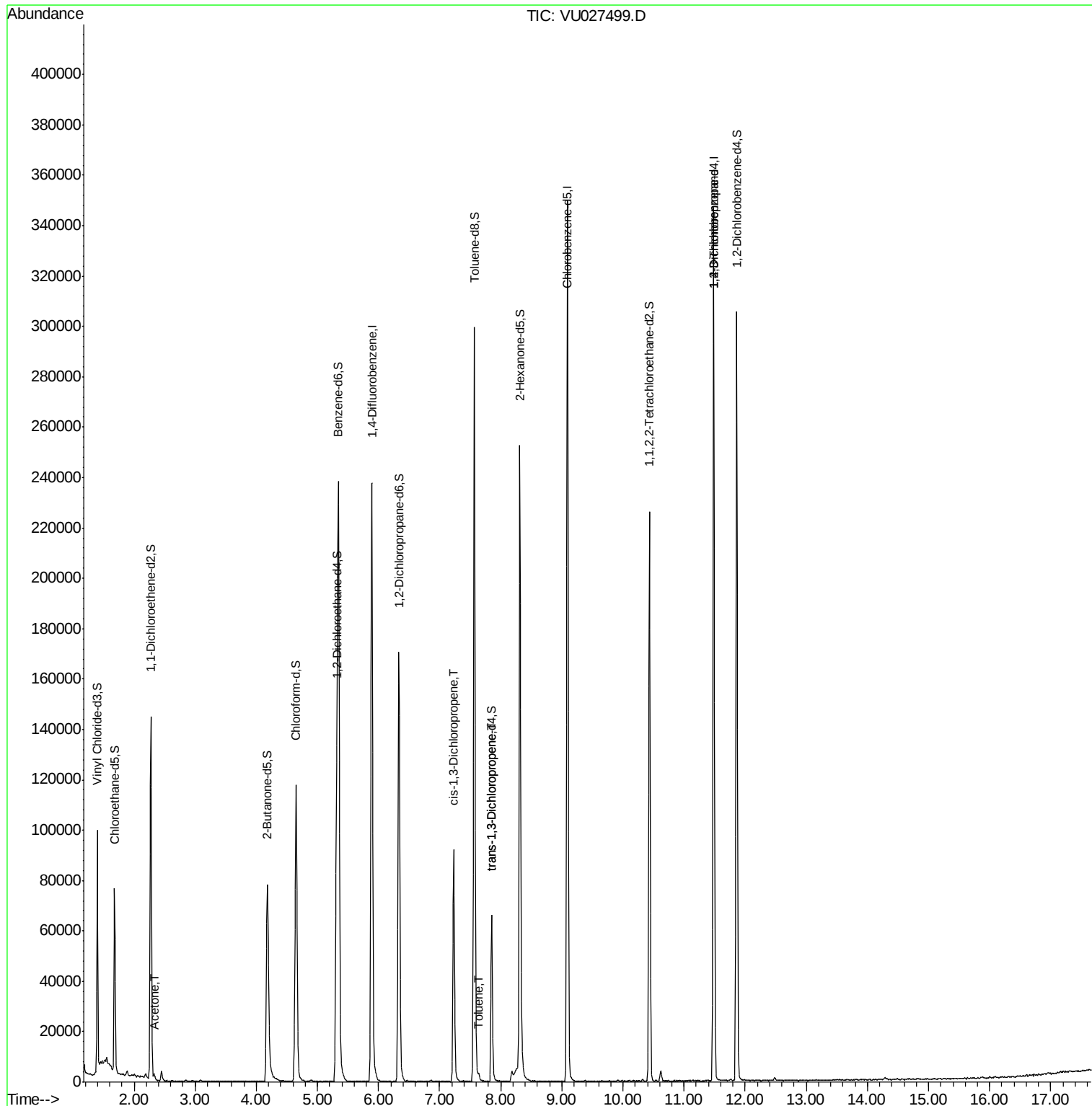
|                               |       |    |       |              | Qvalue |
|-------------------------------|-------|----|-------|--------------|--------|
| 13) Acetone                   | 2.32  | 43 | 874   | 0.878 ug/L   | 85     |
| 39) cis-1,3-Dichloropropene   | 7.23  | 75 | 2105  | 0.831 ug/L # | 75     |
| 42) Toluene                   | 7.64  | 91 | 2114  | 0.354 ug/L   | 96     |
| 44) trans-1,3-Dichloropropene | 7.85  | 75 | 1387  | 0.590 ug/L # | 80     |
| 59) 1,2,3-Trichloropropane    | 11.48 | 75 | 11612 | 5.950 ug/L   | 96     |

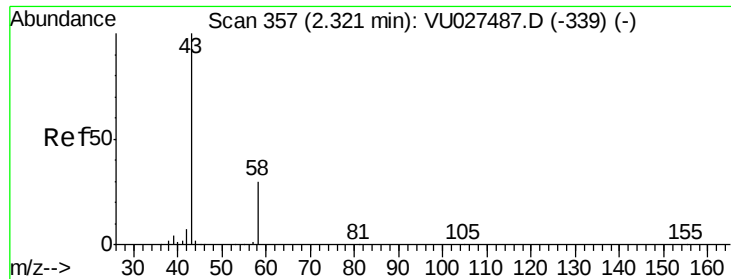
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#13

Acetone

Concen: 0.878 ug/L

RT: 2.32 min Scan# 358

Delta R.T. 0.00 min

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Instrument :

MSVOA\_U

ClientSampleId :

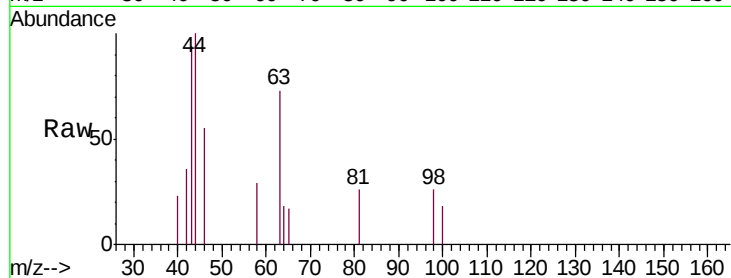
E62T4

Tgt Ion: 43 Resp: 874

Ion Ratio Lower Upper

43 100

58 22.2 0.0 60.8



Abundance Ion 43.00 (42.70 to 43.70): VU0

Ion 58.00 (57.70 to 58.70): VU0

2.32

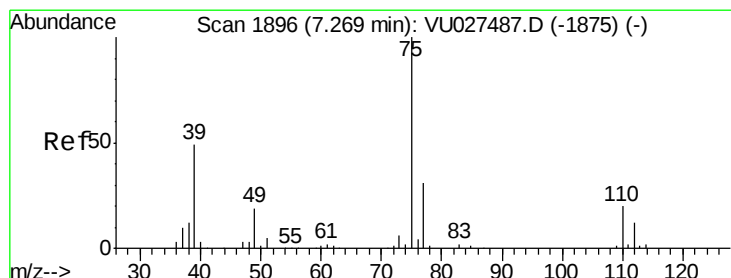
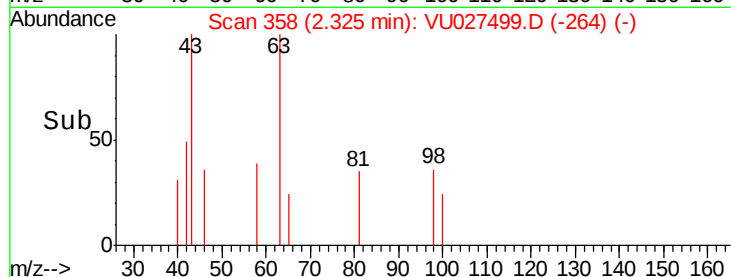
600

400

200

0

Time--> 2.28 2.30 2.32 2.34 2.36



#39

cis-1,3-Dichloropropene

Concen: 0.831 ug/L

RT: 7.23 min Scan# 1884

Delta R.T. -0.04 min

Lab File: VU027499.D

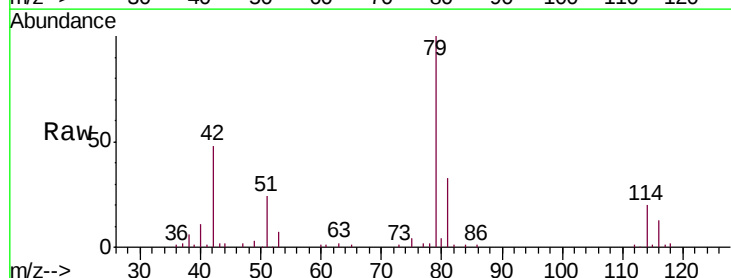
Acq: 08 Oct 2018 14:52

Tgt Ion: 75 Resp: 2105

Ion Ratio Lower Upper

75 100

77 45.4 22.1 41.1#



Abundance Ion 75.00 (74.70 to 75.70): VU0

Ion 77.00 (76.70 to 77.70): VU0

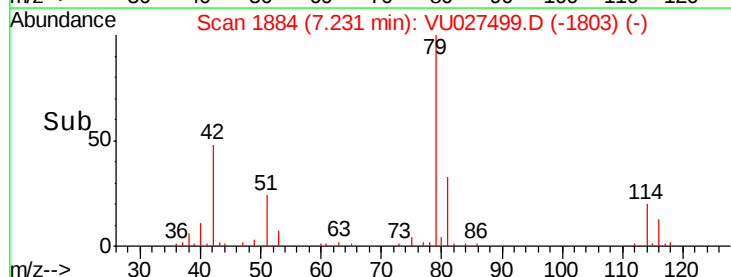
7.23

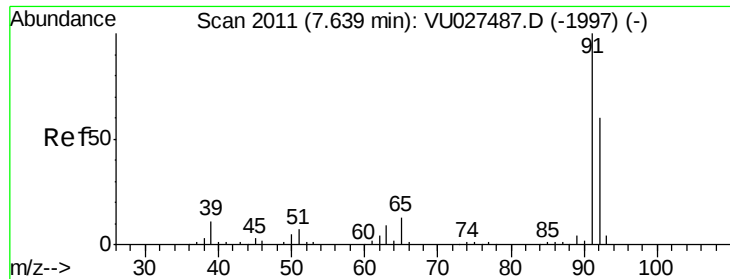
1000

500

0

Time--> 7.20 7.25





#42

Toluene

Concen: 0.354 ug/L

RT: 7.64 min Scan# 2012

Delta R.T. 0.00 min

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Instrument :

MSVOA\_U

ClientSampleId :

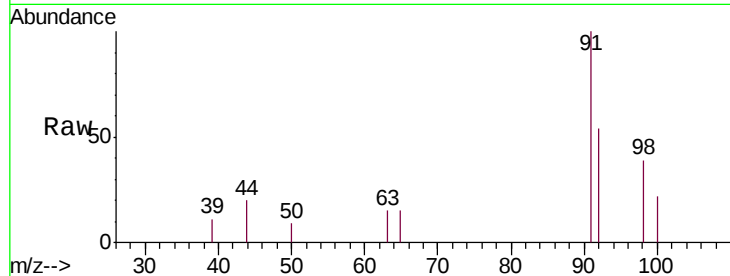
E62T4

Tgt Ion: 91 Resp: 2114

Ion Ratio Lower Upper

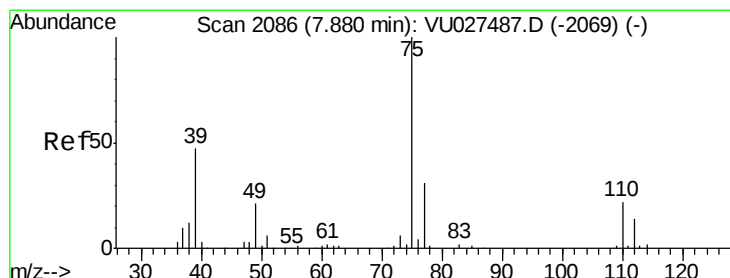
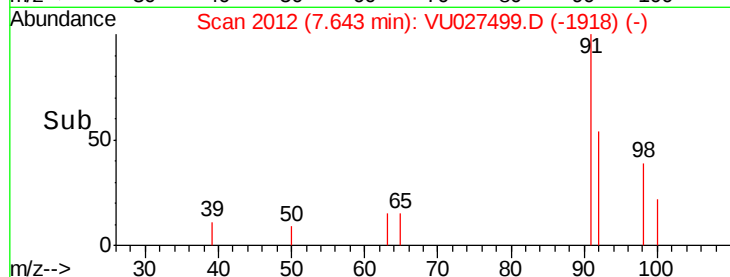
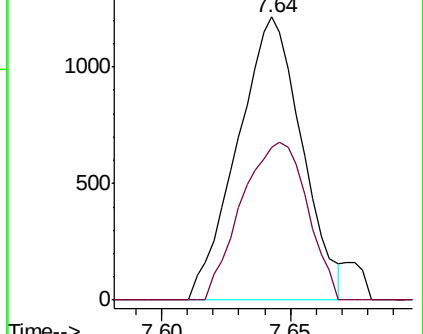
91 100

92 54.1 40.2 74.6



Abundance Ion 91.00 (90.70 to 91.70): VU0

Ion 92.00 (91.70 to 92.70): VU0



#44

trans-1,3-Dichloropropene

Concen: 0.590 ug/L

RT: 7.85 min Scan# 2076

Delta R.T. -0.03 min

Lab File: VU027499.D

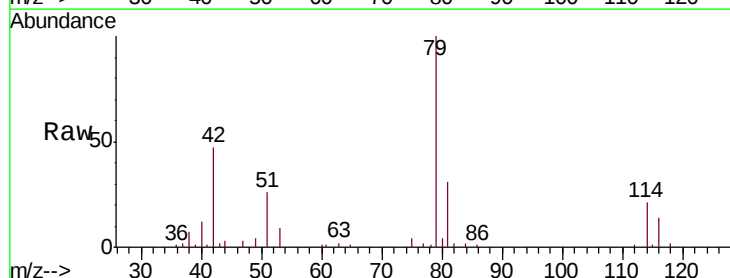
Acq: 08 Oct 2018 14:52

Tgt Ion: 75 Resp: 1387

Ion Ratio Lower Upper

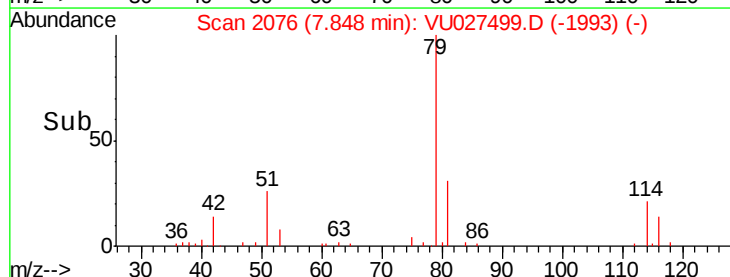
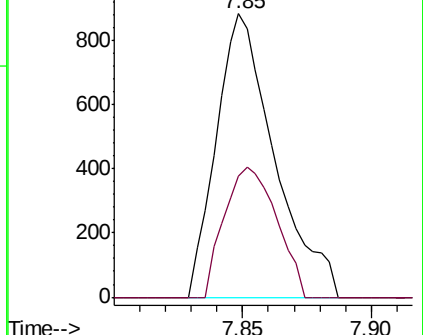
75 100

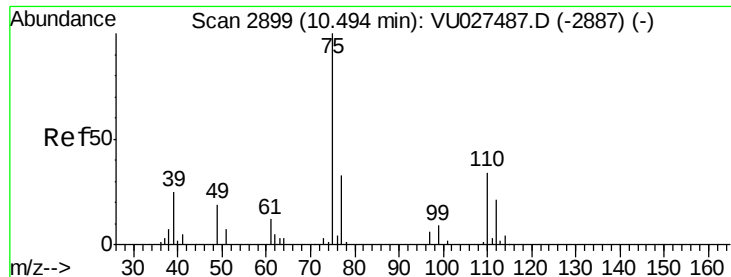
77 42.6 22.2 41.2#



Abundance Ion 75.00 (74.70 to 75.70): VU0

Ion 77.00 (76.70 to 77.70): VU0





#59

1,2,3-Trichloropropane

Concen: 5.950 ug/L

RT: 11.48 min Scan# 3207

Delta R.T. 0.99 min

Lab File: VU027499.D

Acq: 08 Oct 2018 14:52

Instrument :

MSVOA\_U

ClientSampleId :

E62T4

Tgt Ion: 75 Resp: 11612

Ion Ratio Lower Upper

75 100

77 34.1 25.7 38.5

