

Data File : VU029629.D  
Acq On : 22 Feb 2019 18:56  
Operator : JC/SP  
Sample : K1581-02  
Misc : 5.0mL/MSVOA\_U/WATER  
ALS Vial : 28 Sample Multiplier: 1

Instrument :  
MSVOA\_U  
ClientSampleId :  
DB613

Quant Time: Feb 22 23:11:54 2019  
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_U\METHOD\SOMULM021519WMA.M  
Quant Title : VOC Analysis  
QLast Update : Fri Feb 22 23:08:46 2019  
Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|----------------------------|-------|------|----------|-------|-------|----------|
| 1) 1,4-Difluorobenzene     | 5.88  | 114  | 462642   | 50.00 | ug/L  | 0.00     |
| 28) Chlorobenzene-d5       | 9.09  | 117  | 450932   | 50.00 | ug/L  | 0.00     |
| 60) 1,4-Dichlorobenzene-d4 | 11.48 | 152  | 217233   | 50.00 | ug/L  | 0.00     |

#### System Monitoring Compounds

|                                |         |       |          |          |      |         |
|--------------------------------|---------|-------|----------|----------|------|---------|
| 4) Vinyl Chloride-d3           | 1.40    | 65    | 131920   | 38.91    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 60 - 135 | Recovery | =    | 77.82%  |
| 7) Chloroethane-d5             | 1.68    | 69    | 122087   | 40.51    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 70 - 130 | Recovery | =    | 81.02%  |
| 11) 1,1-Dichloroethene-d2      | 2.27    | 63    | 184432   | 27.83    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 60 - 125 | Recovery | =    | 55.66%# |
| 21) 2-Butanone-d5              | 4.17    | 46    | 215503   | 104.46   | ug/L | 0.00    |
| Spiked Amount                  | 100.000 | Range | 40 - 130 | Recovery | =    | 104.46% |
| 24) Chloroform-d               | 4.65    | 84    | 259166   | 47.13    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 70 - 125 | Recovery | =    | 94.26%  |
| 26) 1,2-Dichloroethane-d4      | 5.31    | 65    | 168581   | 48.43    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 70 - 125 | Recovery | =    | 96.86%  |
| 32) Benzene-d6                 | 5.34    | 84    | 533754   | 47.04    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 70 - 125 | Recovery | =    | 94.08%  |
| 36) 1,2-Dichloropropane-d6     | 6.33    | 67    | 170811   | 50.04    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 70 - 120 | Recovery | =    | 100.08% |
| 41) Toluene-d8                 | 7.56    | 98    | 500733   | 43.24    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 80 - 120 | Recovery | =    | 86.48%  |
| 43) trans-1,3-Dichloropropene- | 7.85    | 79    | 76774    | 42.40    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 60 - 125 | Recovery | =    | 84.80%  |
| 47) 2-Hexanone-d5              | 8.31    | 63    | 181684   | 95.57    | ug/L | 0.00    |
| Spiked Amount                  | 100.000 | Range | 45 - 130 | Recovery | =    | 95.57%  |
| 57) 1,1,2,2-Tetrachloroethane- | 10.43   | 84    | 271127   | 47.00    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 65 - 120 | Recovery | =    | 94.00%  |
| 64) 1,2-Dichlorobenzene-d4     | 11.86   | 152   | 217790   | 46.52    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 80 - 120 | Recovery | =    | 93.04%  |

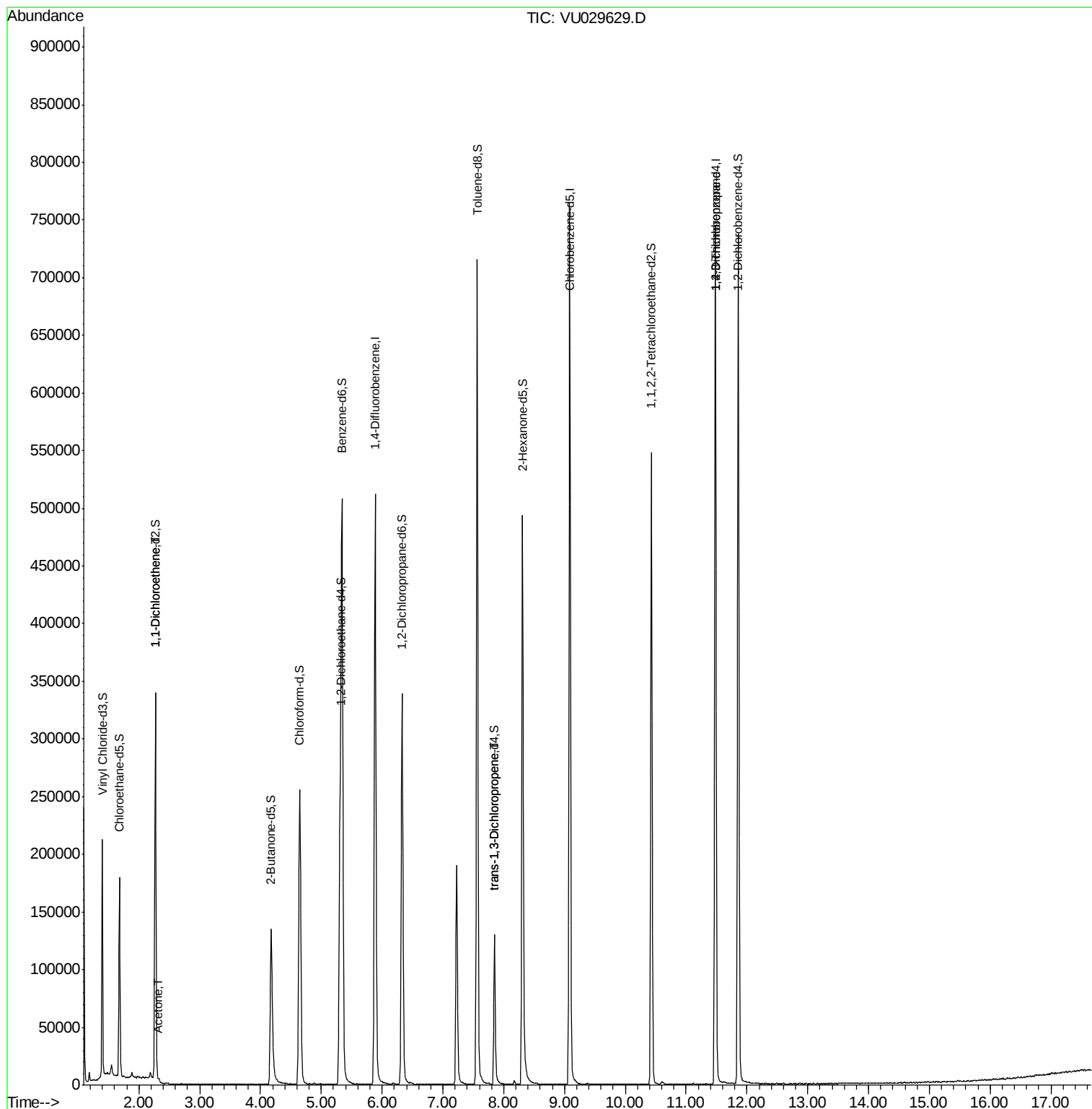
| Target Compounds              |       |    |       |              | Qvalue |
|-------------------------------|-------|----|-------|--------------|--------|
| 12) 1,1-Dichloroethene        | 2.27  | 96 | 1768  | 0.577 ug/L # | 1      |
| 13) Acetone                   | 2.32  | 43 | 2019  | 0.916 ug/L   | 69     |
| 44) trans-1,3-Dichloropropene | 7.85  | 75 | 2877  | 0.623 ug/L   | 91     |
| 59) 1,2,3-Trichloropropane    | 11.48 | 75 | 21669 | 5.008 ug/L   | 93     |

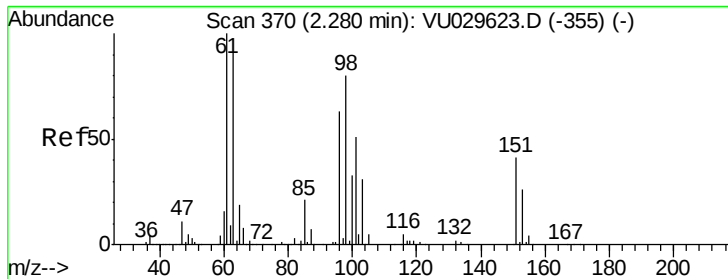
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#12

1,1-Dichloroethene

Concen: 0.577 ug/L

RT: 2.27 min Scan# 368

Delta R.T. -0.01 min

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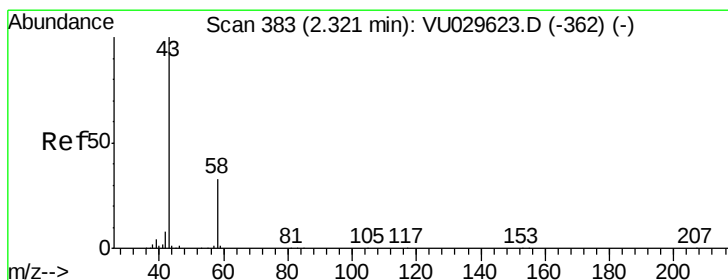
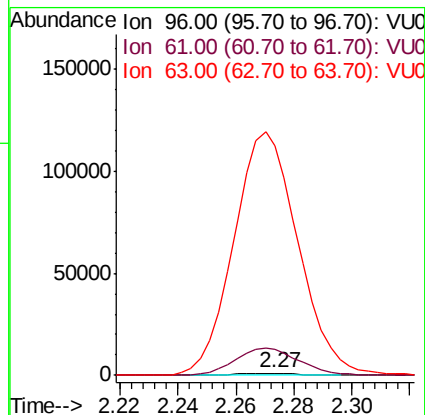
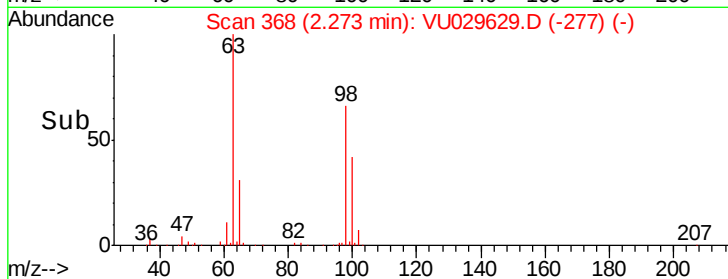
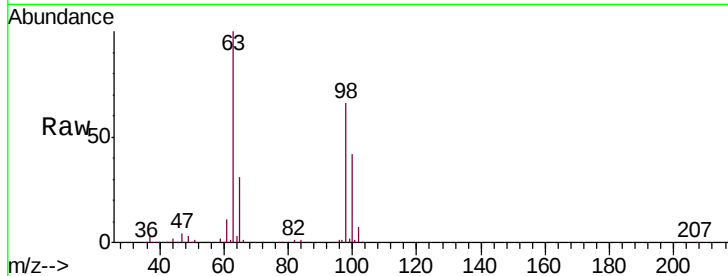
Tgt Ion: 96 Resp: 1768

Ion Ratio Lower Upper

96 100

61 1173.3 114.0 211.8#

63 10280.2 98.7 183.3#



#13

Acetone

Concen: 0.916 ug/L

RT: 2.32 min Scan# 382

Delta R.T. -0.00 min

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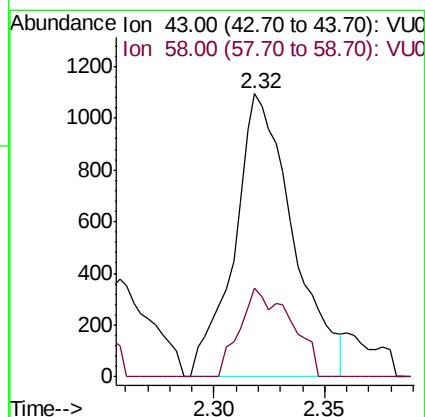
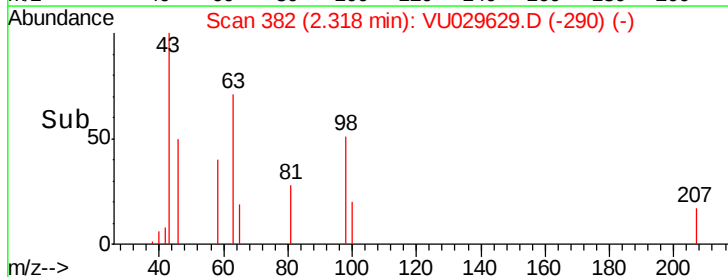
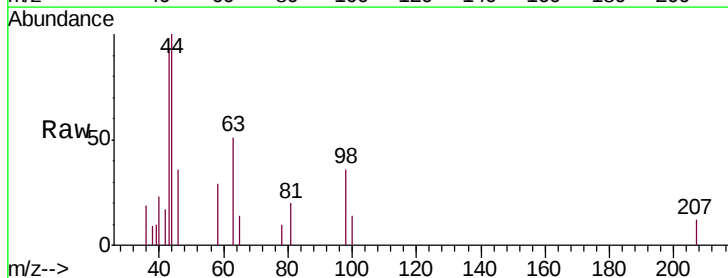
Acq: 22 Feb 2019 18:56

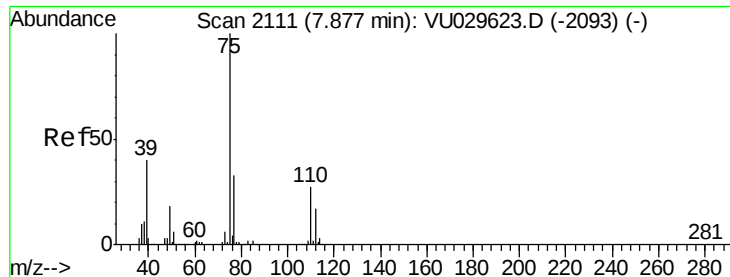
Tgt Ion: 43 Resp: 2019

Ion Ratio Lower Upper

43 100

58 15.6 0.0 66.8





#44

trans-1,3-Dichloropropene

Concen: 0.623 ug/L

RT: 7.85 min Scan# 2102

Delta R.T. -0.03 min

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Instrument :

MSVOA\_U

ClientSampleId :

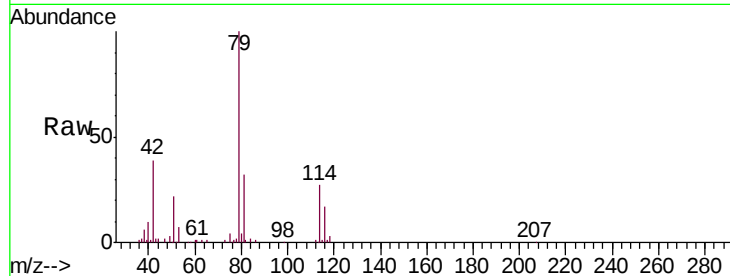
DB613

Tgt Ion: 75 Resp: 2877

Ion Ratio Lower Upper

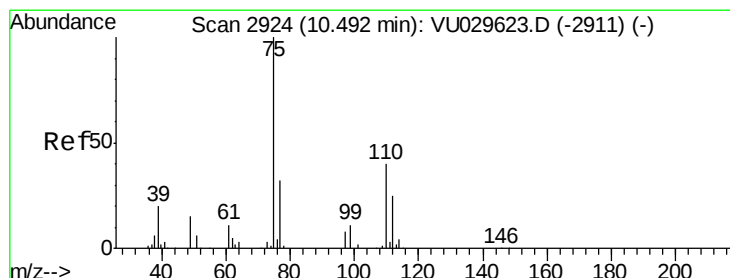
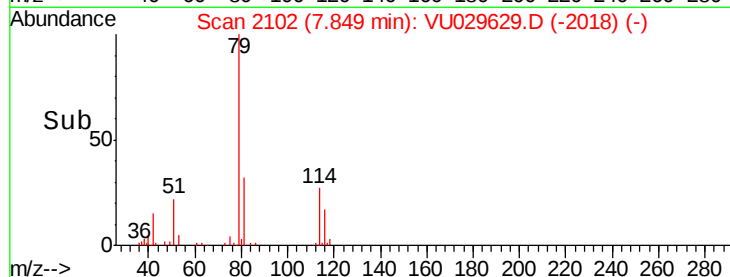
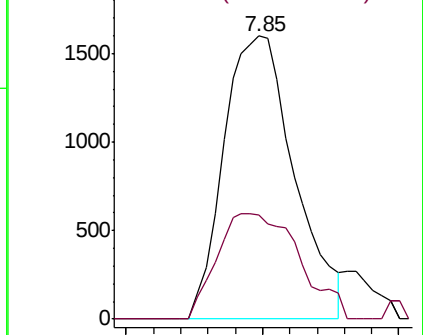
75 100

77 36.8 22.1 41.1



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: 5.008 ug/L

RT: 11.48 min Scan# 3231

Delta R.T. 0.99 min

Lab File: VU029629.D

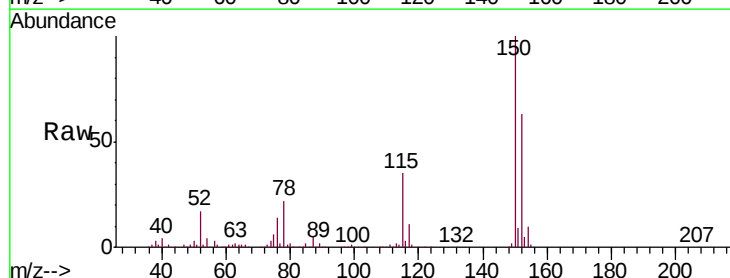
Acq: 22 Feb 2019 18:56

Tgt Ion: 75 Resp: 21669

Ion Ratio Lower Upper

75 100

77 36.2 25.7 38.5



Abundance Ion 75.00 (74.70 to 75.70): VU0

Ion 77.00 (76.70 to 77.70): VU0

