

Data File : VW008925.D  
Acq On : 01 Mar 2019 16:01  
Operator : SY/VA  
Sample : K1657-08  
Misc : 5.10G/10ML/MSVOA\_W/SOIL  
ALS Vial : 1 Sample Multiplier: 1

Instrument :  
MSVOA\_W  
ClientSampleId :  
DB652

Quant Time: Mar 02 02:59:10 2019  
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_W\METHOD\SOM2WLM022019S.M  
Quant Title : VOC Analysis  
QLast Update : Sat Mar 02 02:55:16 2019  
Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|----------------------------|-------|------|----------|-------|-------|----------|
| 1) 1,4-Difluorobenzene     | 8.84  | 114  | 374669   | 25.00 | ug/L  | 0.00     |
| 28) Chlorobenzene-d5       | 11.63 | 117  | 365749   | 25.00 | ug/L  | 0.00     |
| 60) 1,4-Dichlorobenzene-d4 | 13.56 | 152  | 163494   | 25.00 | ug/L  | 0.00     |

#### System Monitoring Compounds

|                                |        |       |          |          |      |         |
|--------------------------------|--------|-------|----------|----------|------|---------|
| 4) Vinyl Chloride-d3           | 2.35   | 65    | 144358   | 24.77    | ug/L | 0.00    |
| Spiked Amount                  | 25.000 | Range | 30 - 150 | Recovery | =    | 99.08%  |
| 7) Chloroethane-d5             | 2.89   | 69    | 139817   | 26.72    | ug/L | 0.00    |
| Spiked Amount                  | 25.000 | Range | 30 - 150 | Recovery | =    | 106.88% |
| 10) 1,1-Dichloroethene-d2      | 4.01   | 63    | 181444   | 18.72    | ug/L | 0.00    |
| Spiked Amount                  | 25.000 | Range | 45 - 110 | Recovery | =    | 74.88%  |
| 20) 2-Butanone-d5              | 7.07   | 46    | 73156    | 42.09    | ug/L | 0.00    |
| Spiked Amount                  | 50.000 | Range | 20 - 135 | Recovery | =    | 84.18%  |
| 24) Chloroform-d               | 7.65   | 84    | 219853   | 24.27    | ug/L | 0.00    |
| Spiked Amount                  | 25.000 | Range | 40 - 150 | Recovery | =    | 97.08%  |
| 26) 1,2-Dichloroethane-d4      | 8.31   | 65    | 145742   | 27.26    | ug/L | 0.00    |
| Spiked Amount                  | 25.000 | Range | 70 - 130 | Recovery | =    | 109.04% |
| 29) Benzene-d6                 | 8.27   | 84    | 476988   | 27.17    | ug/L | 0.00    |
| Spiked Amount                  | 25.000 | Range | 20 - 135 | Recovery | =    | 108.68% |
| 33) 1,2-Dichloropropane-d6     | 9.27   | 67    | 144427   | 28.08    | ug/L | 0.00    |
| Spiked Amount                  | 25.000 | Range | 70 - 120 | Recovery | =    | 112.32% |
| 37) Toluene-d8                 | 10.32  | 98    | 472328   | 26.86    | ug/L | 0.00    |
| Spiked Amount                  | 25.000 | Range | 30 - 130 | Recovery | =    | 107.44% |
| 38) trans-1,3-Dichloropropene- | 10.58  | 79    | 60986    | 23.66    | ug/L | 0.00    |
| Spiked Amount                  | 25.000 | Range | 30 - 135 | Recovery | =    | 94.64%  |
| 39) 2-Hexanone-d5              | 10.93  | 63    | 58207    | 41.54    | ug/L | 0.00    |
| Spiked Amount                  | 50.000 | Range | 20 - 135 | Recovery | =    | 83.08%  |
| 48) 1,1,2,2-Tetrachloroethane- | 12.69  | 84    | 124329   | 24.07    | ug/L | 0.00    |
| Spiked Amount                  | 25.000 | Range | 45 - 120 | Recovery | =    | 96.28%  |
| 61) 1,2-Dichlorobenzene-d4     | 13.86  | 152   | 164255   | 28.19    | ug/L | 0.00    |
| Spiked Amount                  | 25.000 | Range | 75 - 120 | Recovery | =    | 112.76% |

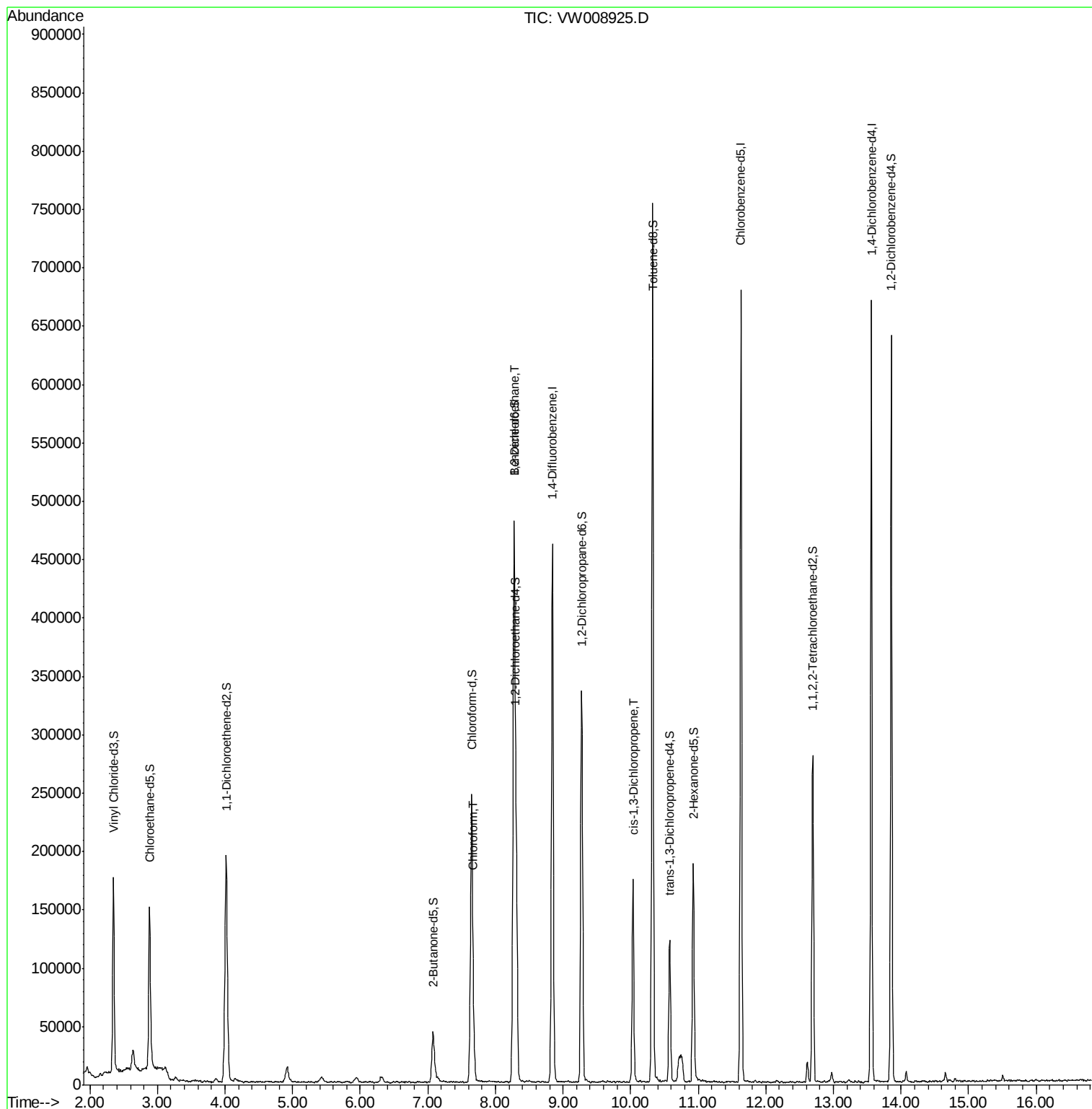
| Target Compounds            |       |    |       |              | Qvalue |
|-----------------------------|-------|----|-------|--------------|--------|
| 25) Chloroform              | 7.67  | 83 | 23710 | 2.578 ug/L   | 91     |
| 27) 1,2-Dichloroethane      | 8.28  | 62 | 3238  | 0.484 ug/L   | 98     |
| 42) cis-1,3-Dichloropropene | 10.04 | 75 | 4841  | 0.609 ug/L # | 75     |

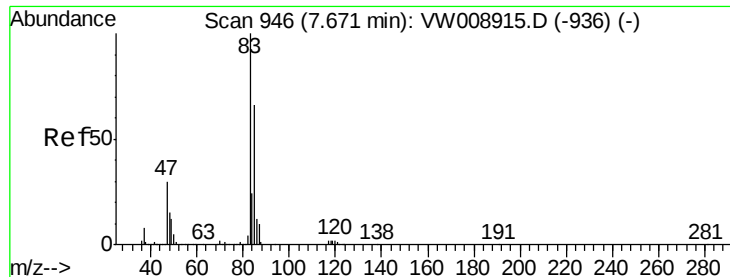
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#25

Chloroform

Concen: 2.578 ug/L

RT: 7.67 min Scan# 946

Delta R.T. 0.00 min

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Instrument :

MSVOA\_W

ClientSampleId :

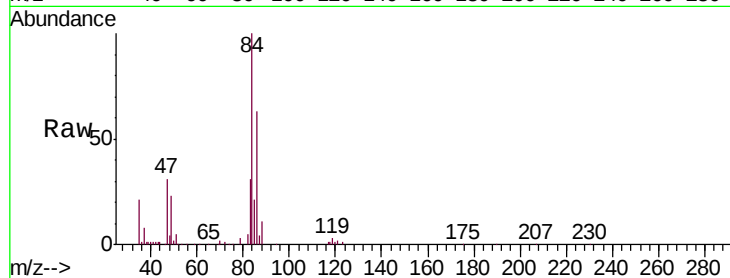
DB652

Tgt Ion: 83 Resp: 23710

Ion Ratio Lower Upper

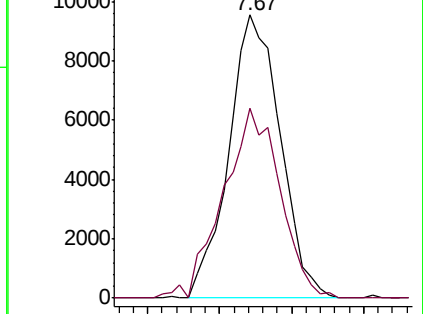
83 100

85 72.8 45.8 85.2

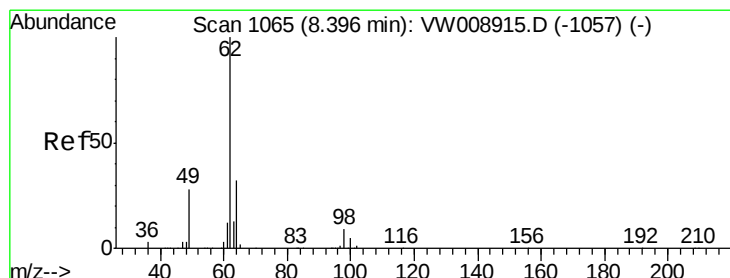
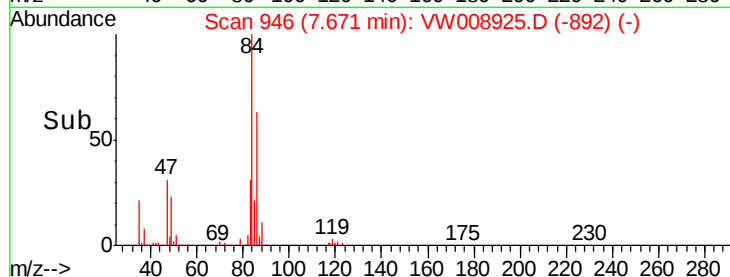


Abundance Ion 83.00 (82.70 to 83.70): VW

Ion 85.00 (84.70 to 85.70): VW



Time-->



#27

1,2-Dichloroethane

Concen: 0.484 ug/L

RT: 8.28 min Scan# 1046

Delta R.T. -0.12 min

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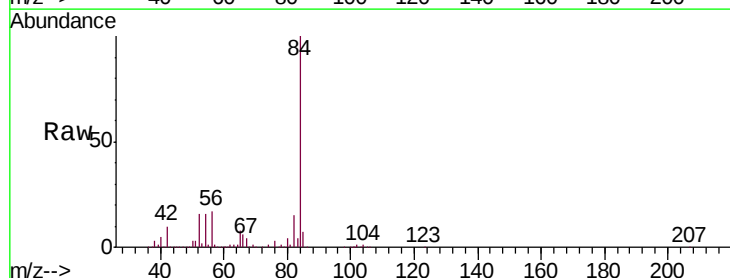
Acq: 01 Mar 2019 16:01

Tgt Ion: 62 Resp: 3238

Ion Ratio Lower Upper

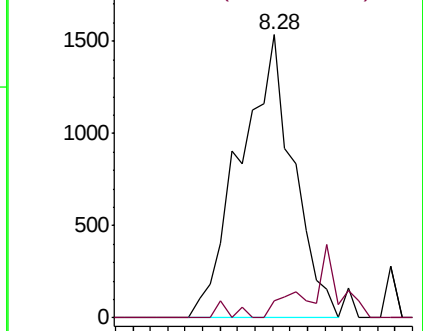
62 100

98 6.1 5.4 8.2

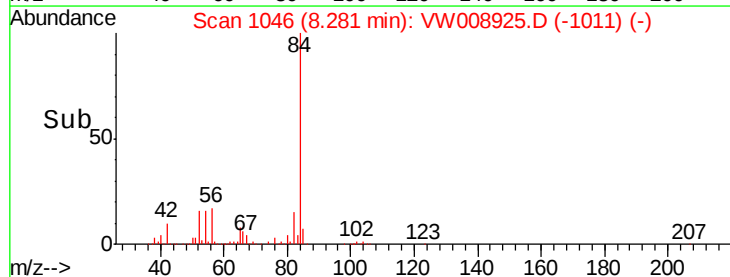


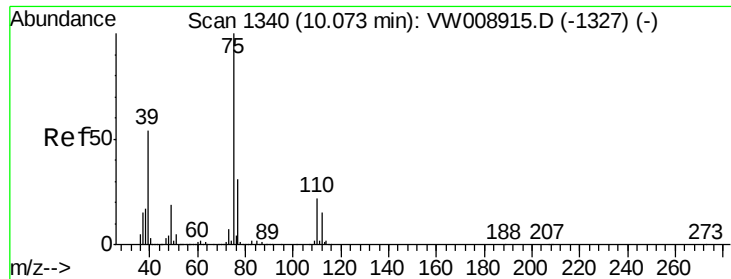
Abundance Ion 62.00 (61.70 to 62.70): VW

Ion 98.00 (97.70 to 98.70): VW



Time-->





#42

cis-1,3-Dichloropropene

Concen: 0.609 ug/L

RT: 10.04 min Scan# 1334

Delta R.T. -0.04 min

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Instrument :

MSVOA\_W

ClientSampleId :

DB652

Tgt Ion: 75 Resp: 4841

Ion Ratio Lower Upper

75 100

77 47.1 23.0 42.8#

