

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV090418\  
 Data File : VV007365.D  
 Acq On : 05 Sep 2018 07:06  
 Operator : SY/MD  
 Sample : J4695-20  
 Misc : 5.0 mL/MSVOA V/WATER  
 ALS Vial : 33 Sample Multiplier: 1

Instrument :  
 MSVOA\_V  
 ClientSampleId :  
 BEGB5

Quant Time: Sep 05 07:54:41 2018  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_V\METHOD\SOMVLM090418WMA.M  
 Quant Title : VOC Analysis  
 QLast Update : Wed Sep 05 05:24:54 2018  
 Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|----------------------------|-------|------|----------|-------|-------|----------|
| 1) 1,4-Difluorobenzene     | 5.67  | 114  | 578219   | 50.00 | ug/L  | 0.00     |
| 28) Chlorobenzene-d5       | 8.90  | 117  | 557259   | 50.00 | ug/L  | 0.00     |
| 60) 1,4-Dichlorobenzene-d4 | 11.30 | 152  | 205671   | 50.00 | ug/L  | 0.00     |

## System Monitoring Compounds

|                                |         |       |          |          |      |         |
|--------------------------------|---------|-------|----------|----------|------|---------|
| 4) Vinyl Chloride-d3           | 1.32    | 65    | 166182   | 40.24    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 60 - 135 | Recovery | =    | 80.48%  |
| 7) Chloroethane-d5             | 1.58    | 69    | 124853   | 46.15    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 70 - 130 | Recovery | =    | 92.30%  |
| 11) 1,1-Dichloroethene-d2      | 2.13    | 63    | 235634   | 32.39    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 60 - 125 | Recovery | =    | 64.78%  |
| 21) 2-Butanone-d5              | 3.96    | 46    | 251295   | 74.80    | ug/L | 0.00    |
| Spiked Amount                  | 100.000 | Range | 40 - 130 | Recovery | =    | 74.80%  |
| 24) Chloroform-d               | 4.41    | 84    | 357368   | 41.83    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 70 - 125 | Recovery | =    | 83.66%  |
| 26) 1,2-Dichloroethane-d4      | 5.09    | 65    | 223513   | 43.37    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 70 - 125 | Recovery | =    | 86.74%  |
| 32) Benzene-d6                 | 5.11    | 84    | 713948   | 42.51    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 70 - 125 | Recovery | =    | 85.02%  |
| 36) 1,2-Dichloropropane-d6     | 6.12    | 67    | 241752   | 42.95    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 70 - 120 | Recovery | =    | 85.90%  |
| 41) Toluene-d8                 | 7.37    | 98    | 572092   | 39.57    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 80 - 120 | Recovery | =    | 79.14%# |
| 43) trans-1,3-Dichloropropene- | 7.67    | 79    | 89291    | 37.24    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 60 - 125 | Recovery | =    | 74.48%  |
| 47) 2-Hexanone-d5              | 8.14    | 63    | 159685   | 72.37    | ug/L | 0.00    |
| Spiked Amount                  | 100.000 | Range | 45 - 130 | Recovery | =    | 72.37%  |
| 57) 1,1,2,2-Tetrachloroethane- | 10.27   | 84    | 297405   | 38.69    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 65 - 120 | Recovery | =    | 77.38%  |
| 64) 1,2-Dichlorobenzene-d4     | 11.68   | 152   | 210675   | 47.66    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 80 - 120 | Recovery | =    | 95.32%  |

## Target Compounds

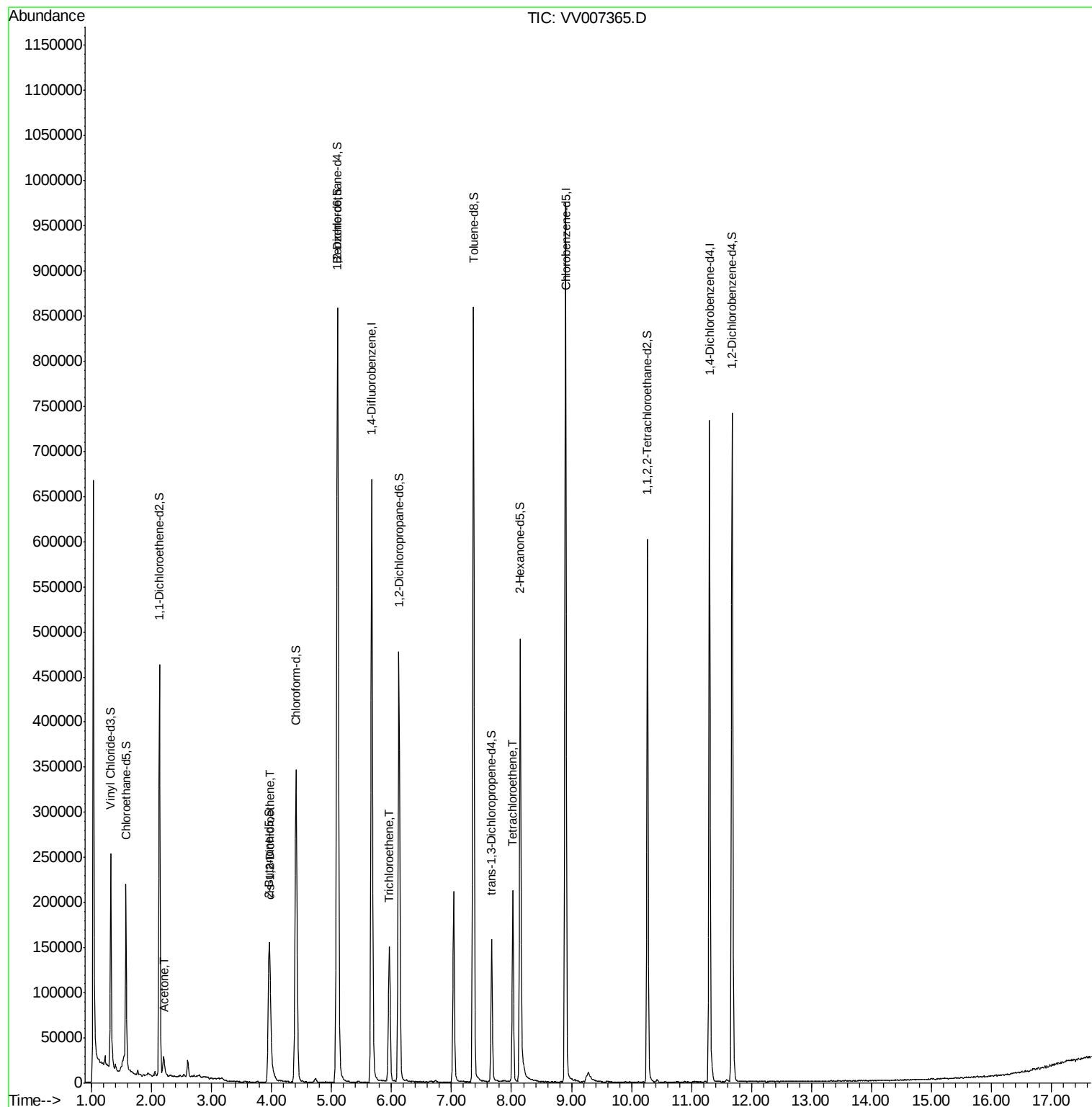
|                            |      |     |       |       |      | Ovalue |
|----------------------------|------|-----|-------|-------|------|--------|
| 13) Acetone                | 2.21 | 43  | 20385 | 10.19 | ug/L | 95     |
| 20) cis-1,2-Dichloroethene | 3.98 | 96  | 8786  | 1.91  | ug/L | 83     |
| 34) Trichloroethene        | 5.96 | 95  | 50654 | 11.64 | ug/L | 96     |
| 46) Tetrachloroethene      | 8.02 | 164 | 50686 | 14.49 | ug/L | 98     |

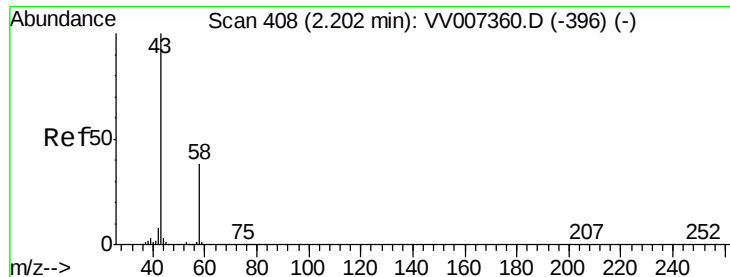
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA V\DATA\VV090418\  
Data File : VV007365.D  
Acq On : 05 Sep 2018 07:06  
Operator : SY/MD  
Sample : J4695-20  
Misc : 5.0 mL/MSVOA V/WATER  
ALS Vial : 33 Sample Multiplier: 1

Instrument :  
MSVOA\_V  
ClientSampleId :  
BEGB5

Quant Time: Sep 05 07:54:41 2018  
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA\_V\METHOD\SOMVLM090418WMA.M  
Quant Title : VOC Analysis  
QLast Update : Wed Sep 05 05:24:54 2018  
Response via : Initial Calibration





#13

Acetone

Concen: 10.19 ug/L

RT: 2.21 min Scan# 409

Delta R.T. 0.00 min

Lab File: VV007365.D

Acq: 05 Sep 2018 07:06

Instrument :

MSVOA\_V

ClientSampleId :

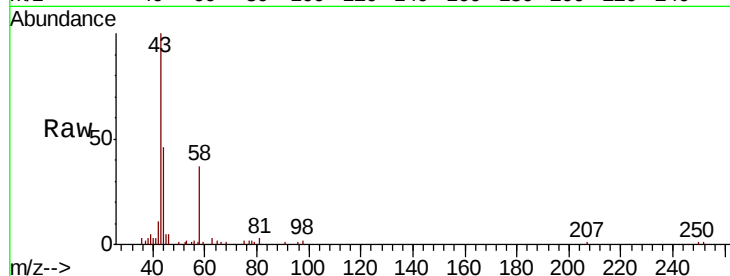
BEGB5

Tot Ion: 43 Resp: 20385

Ion Ratio Lower Upper

43 100

58 38.5 0.0 71.2



Abundance Ion 43.00 (42.70 to 43.70): VV007360.D (-396) (-)

Ion 58.00 (57.70 to 58.70): VV007360.D (-396) (-)

2.21

12000

10000

8000

6000

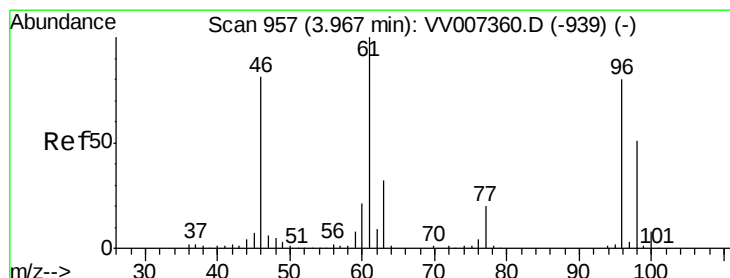
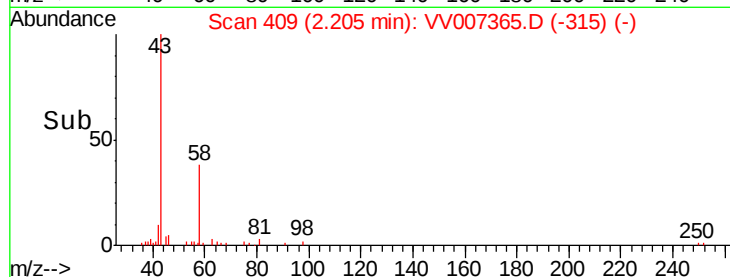
4000

2000

0

Time-->

2.15 2.20 2.25



#20

cis-1,2-Dichloroethene

Concen: 1.91 ug/L

RT: 3.98 min Scan# 960

Delta R.T. 0.01 min

Lab File: VV007365.D

Acq: 05 Sep 2018 07:06

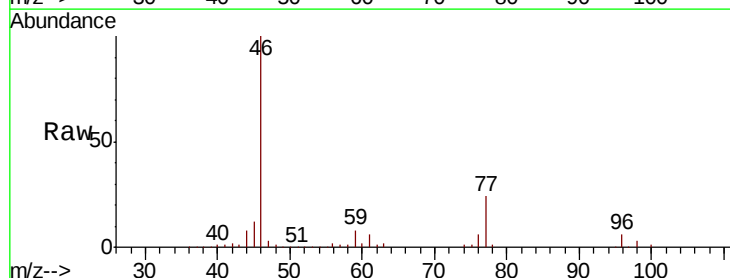
Tgt Ion: 96 Resp: 8786

Ion Ratio Lower Upper

96 100

61 104.7 86.8 161.2

68 0.0 0.0 0.0



Abundance Ion 96.00 (95.70 to 96.70): VV007360.D (-939) (-)

Ion 61.00 (60.70 to 61.70): VV007360.D (-939) (-)

Ion 68.00 (67.70 to 68.70): VV007360.D (-939) (-)

6000

5000

4000

3000

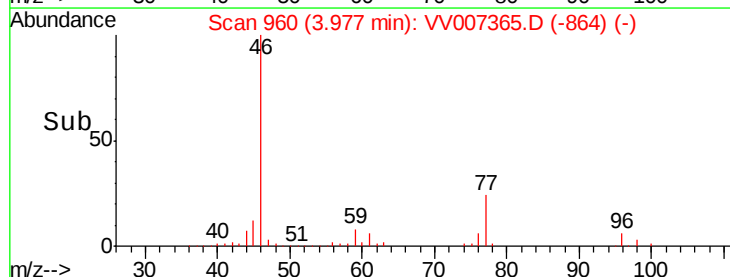
2000

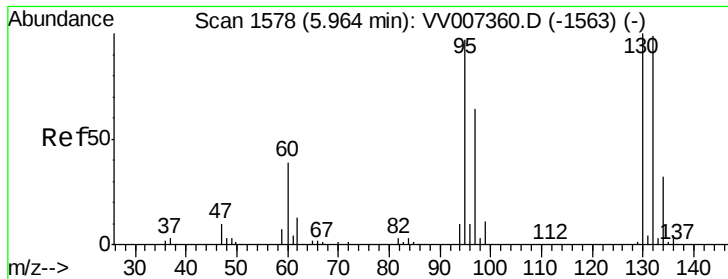
1000

0

Time-->

3.90 3.95 4.00

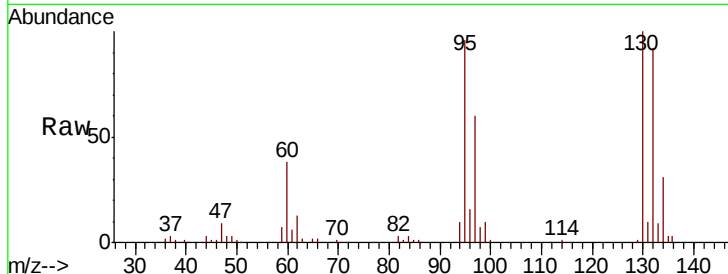




#34  
 Trichloroethene  
 Concen: 11.64 ug/L  
 RT: 5.96 min Scan# 1578  
 Delta R.T. -0.00 min  
 Lab File: VV007365.D  
 Acq: 05 Sep 2018 07:06

Instrument :  
 MSVOA\_V  
 ClientSampleId :  
 BEGB5

|          |       |       |       |
|----------|-------|-------|-------|
| Tot Ion: | 95    | Resp: | 50654 |
| Ion      | Ratio | Lower | Upper |
| 95       | 100   |       |       |
| 97       | 62.1  | 46.1  | 85.7  |
| 132      | 95.9  | 70.8  | 131.6 |
| 130      | 104.0 | 73.9  | 137.3 |



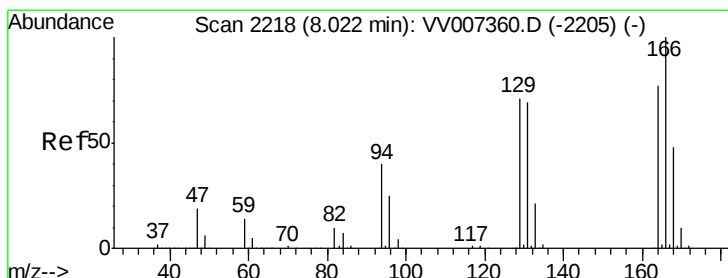
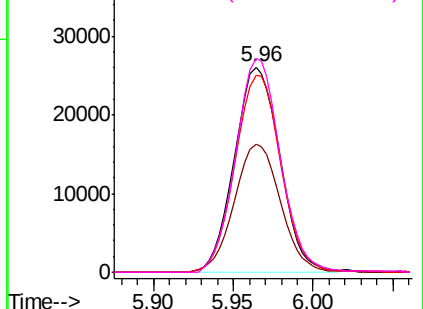
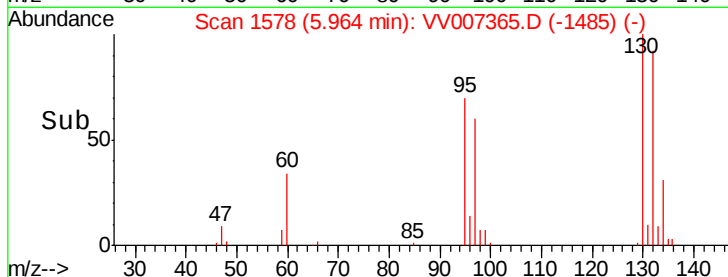
Abundance

Ion 95.00 (94.70 to 95.70): VV007365.D (-1485) (-)

Ion 97.00 (96.70 to 97.70): VV007365.D (-1485) (-)

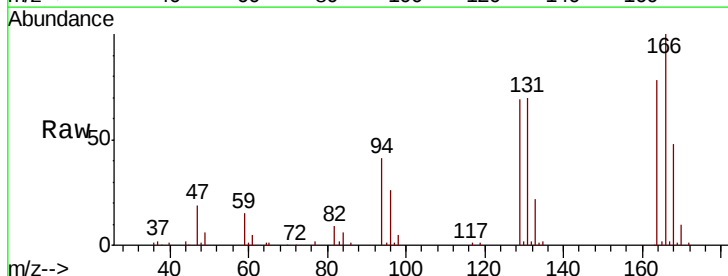
Ion 132.00 (131.70 to 132.70): VV007365.D (-1485) (-)

Ion 130.00 (129.70 to 130.70): VV007365.D (-1485) (-)



#46  
 Tetrachloroethene  
 Concen: 14.49 ug/L  
 RT: 8.02 min Scan# 2218  
 Delta R.T. -0.00 min  
 Lab File: VV007365.D  
 Acq: 05 Sep 2018 07:06

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 164   | Resp: | 50686 |
| Ion      | Ratio | Lower | Upper |
| 164      | 100   |       |       |
| 129      | 89.0  | 63.9  | 118.7 |
| 131      | 90.5  | 62.6  | 116.2 |
| 166      | 128.6 | 91.6  | 170.2 |



Abundance

Ion 164.00 (163.70 to 164.70): VV007365.D (-2125) (-)

Ion 129.00 (128.70 to 129.70): VV007365.D (-2125) (-)

Ion 131.00 (130.70 to 131.70): VV007365.D (-2125) (-)

Ion 166.00 (165.70 to 166.70): VV007365.D (-2125) (-)

