

Data Path : Z:\VOASRV\HPCHEM1\MSVOA\_W\DATA\VW062018\  
 Data File : VW003376.D  
 Acq On : 21 Jun 2018 01:48  
 Operator : SY/AP  
 Sample : J3619-03  
 Misc : 7.15G/10ML/MSVOA\_W/SOIL  
 ALS Vial : 1 Sample Multiplier: 1

Instrument :  
 MSVOA\_W  
 ClientSampleId :  
 DAZ67

Quant Time: Jun 21 05:06:53 2018  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_W\METHOD\SOM2WLM062018S.M  
 Quant Title : VOC Analysis  
 QLast Update : Thu Jun 21 05:02:42 2018  
 Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|----------------------------|-------|------|----------|-------|-------|----------|
| 1) 1,4-Difluorobenzene     | 8.85  | 114  | 342642   | 25.00 | ug/L  | 0.00     |
| 28) Chlorobenzene-d5       | 11.63 | 117  | 327491   | 25.00 | ug/L  | 0.00     |
| 60) 1,4-Dichlorobenzene-d4 | 13.57 | 152  | 149062   | 25.00 | ug/L  | 0.00     |

## System Monitoring Compounds

|                                |        |       |          |          |      |         |
|--------------------------------|--------|-------|----------|----------|------|---------|
| 4) Vinyl Chloride-d3           | 2.35   | 65    | 115022   | 24.75    | ug/L | 0.00    |
| Spiked Amount                  | 25.000 | Range | 30 - 150 | Recovery | =    | 99.00%  |
| 7) Chloroethane-d5             | 2.89   | 69    | 92165    | 23.77    | ug/L | 0.00    |
| Spiked Amount                  | 25.000 | Range | 30 - 150 | Recovery | =    | 95.08%  |
| 10) 1,1-Dichloroethene-d2      | 4.01   | 63    | 166415   | 18.04    | ug/L | 0.00    |
| Spiked Amount                  | 25.000 | Range | 45 - 110 | Recovery | =    | 72.16%  |
| 20) 2-Butanone-d5              | 7.09   | 46    | 63474    | 43.35    | ug/L | 0.00    |
| Spiked Amount                  | 50.000 | Range | 20 - 135 | Recovery | =    | 86.70%  |
| 24) Chloroform-d               | 7.65   | 84    | 223912   | 24.84    | ug/L | 0.00    |
| Spiked Amount                  | 25.000 | Range | 40 - 150 | Recovery | =    | 99.36%  |
| 26) 1,2-Dichloroethane-d4      | 8.31   | 65    | 135774   | 25.35    | ug/L | 0.00    |
| Spiked Amount                  | 25.000 | Range | 70 - 130 | Recovery | =    | 101.40% |
| 29) Benzene-d6                 | 8.28   | 84    | 427774   | 24.62    | ug/L | 0.00    |
| Spiked Amount                  | 25.000 | Range | 20 - 135 | Recovery | =    | 98.48%  |
| 33) 1,2-Dichloropropane-d6     | 9.28   | 67    | 138681   | 25.21    | ug/L | 0.00    |
| Spiked Amount                  | 25.000 | Range | 70 - 120 | Recovery | =    | 100.84% |
| 37) Toluene-d8                 | 10.33  | 98    | 404151   | 24.33    | ug/L | 0.00    |
| Spiked Amount                  | 25.000 | Range | 30 - 130 | Recovery | =    | 97.32%  |
| 38) trans-1,3-Dichloropropene- | 10.58  | 79    | 58424    | 22.62    | ug/L | 0.00    |
| Spiked Amount                  | 25.000 | Range | 30 - 135 | Recovery | =    | 90.48%  |
| 39) 2-Hexanone-d5              | 10.93  | 63    | 48135    | 42.82    | ug/L | 0.00    |
| Spiked Amount                  | 50.000 | Range | 20 - 135 | Recovery | =    | 85.64%  |
| 48) 1,1,2,2-Tetrachloroethane- | 12.70  | 84    | 110095   | 21.51    | ug/L | 0.00    |
| Spiked Amount                  | 25.000 | Range | 45 - 120 | Recovery | =    | 86.04%  |
| 61) 1,2-Dichlorobenzene-d4     | 13.86  | 152   | 143863   | 25.55    | ug/L | 0.00    |
| Spiked Amount                  | 25.000 | Range | 75 - 120 | Recovery | =    | 102.20% |

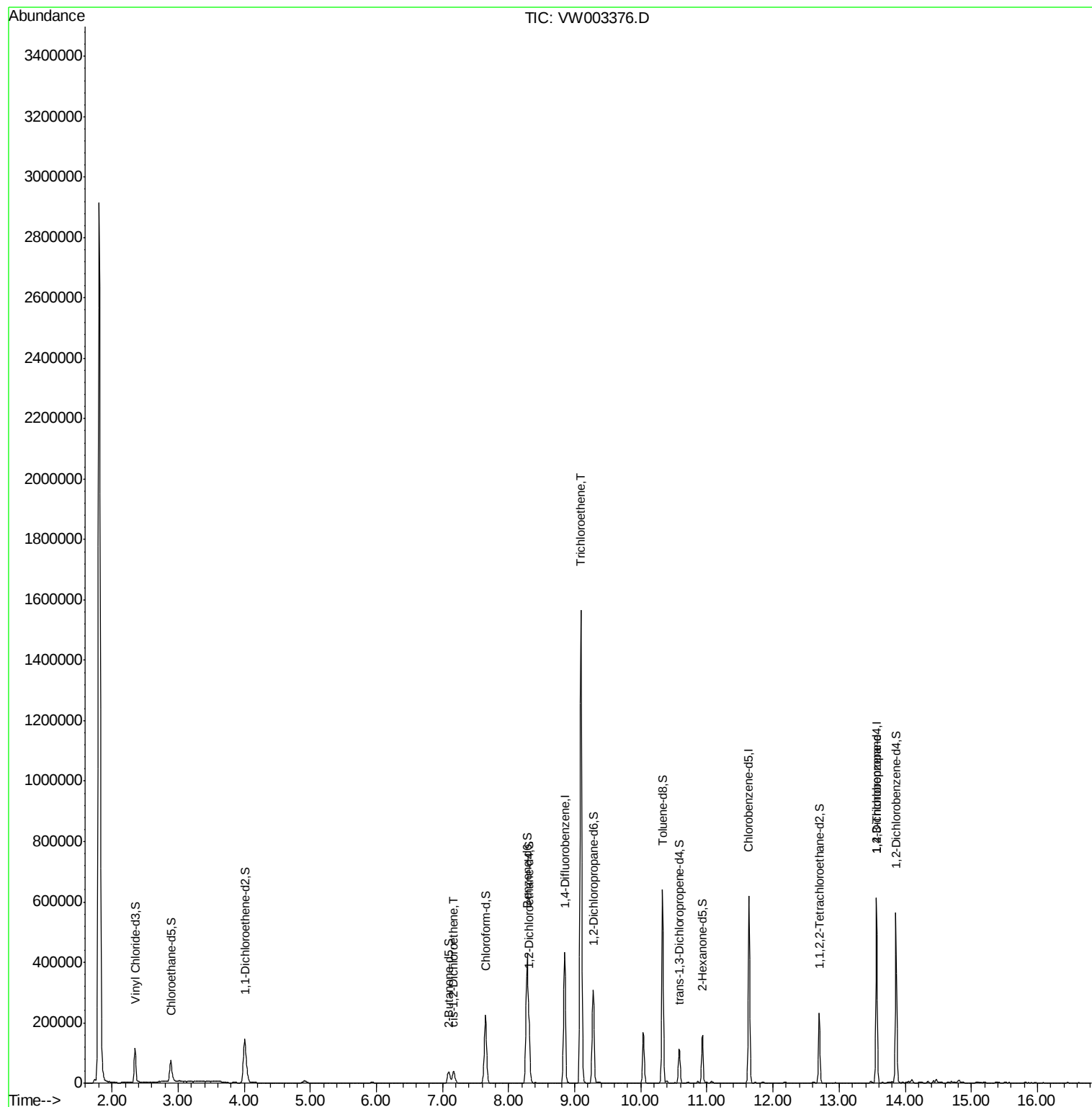
| Target Compounds           |       |    |        |              | Qvalue |
|----------------------------|-------|----|--------|--------------|--------|
| 22) cis-1,2-Dichloroethene | 7.17  | 96 | 19923  | 4.201 ug/L   | 95     |
| 35) Trichloroethene        | 9.09  | 95 | 531916 | 105.678 ug/L | 99     |
| 59) 1,2,3-Trichloropropane | 13.57 | 75 | 19144  | 5.165 ug/L   | 89     |

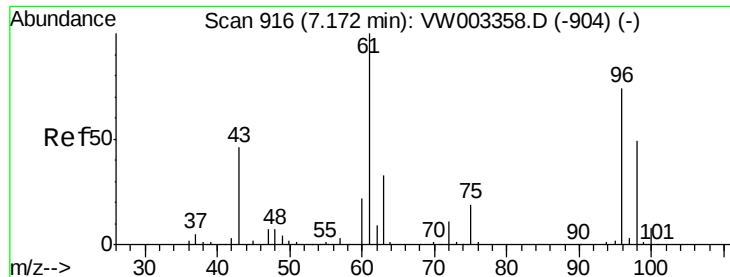
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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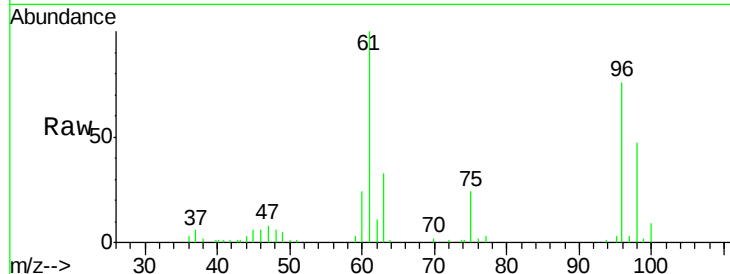


#22

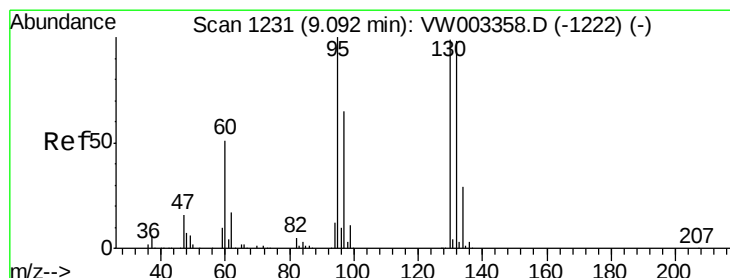
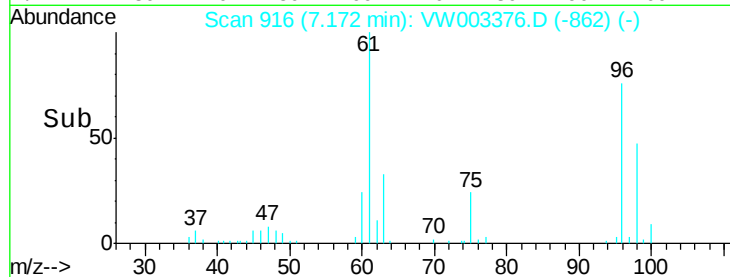
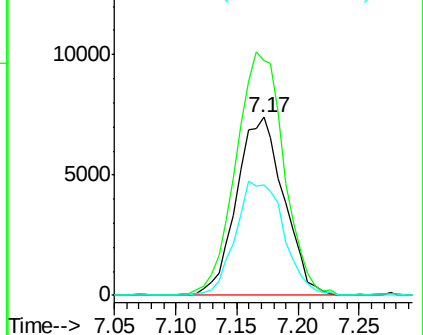
cis-1,2-Dichloroethene  
Concen: 4.201 ug/L  
RT: 7.17 min Scan# 916  
Delta R.T. -0.00 min  
Lab File: VW003376.D  
Acq: 21 Jun 2018 01:48

Instrument :  
MSVOA\_W  
ClientSampleId :  
DAZ67

Tgt Ion: 96 Resp: 19923  
Ion Ratio Lower Upper  
96 100  
61 131.8 97.7 181.5  
98 62.5 45.0 83.6



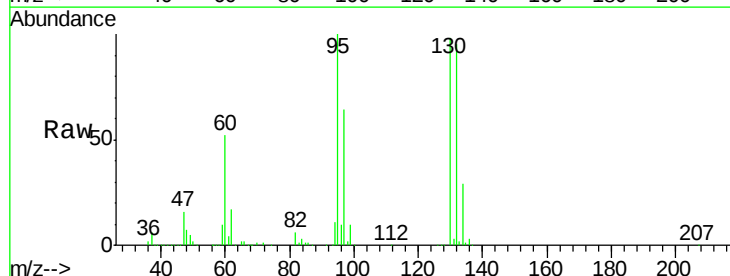
Abundance Ion 96.00 (95.70 to 96.70): VW  
Ion 61.00 (60.70 to 61.70): VW  
Ion 98.00 (97.70 to 98.70): VW



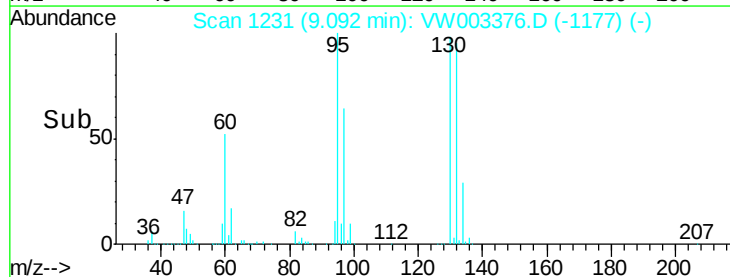
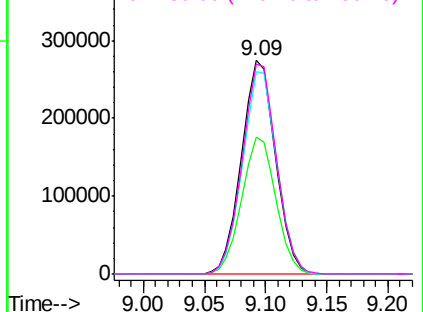
#35

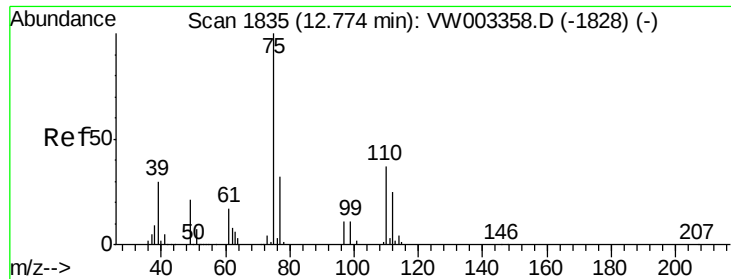
Trichloroethene  
Concen: 105.678 ug/L  
RT: 9.09 min Scan# 1231  
Delta R.T. -0.00 min  
Lab File: VW003376.D  
Acq: 21 Jun 2018 01:48

Tgt Ion: 95 Resp: 531916  
Ion Ratio Lower Upper  
95 100  
97 64.1 45.6 84.6  
132 95.4 67.8 125.8  
130 99.1 70.6 131.0



Abundance Ion 95.00 (94.70 to 95.70): VW  
Ion 97.00 (96.70 to 97.70): VW  
Ion 132.00 (131.70 to 132.70): V  
Ion 130.00 (129.70 to 130.70): V





#59

1,2,3-Trichloropropane

Concen: 5.165 ug/L

RT: 13.57 min Scan# 1965

Delta R.T. 0.79 min

Lab File: VW003376.D

Acq: 21 Jun 2018 01:48

Instrument :

MSVOA\_W

ClientSampleId :

DAZ67

Tgt Ion: 75 Resp: 19144

Ion Ratio Lower Upper

75 100

77 38.6 26.0 39.0

