

Data Path : Z:\VOASRV\HPCHEM1\MSVOA\_W\DATA\VW082718\  
 Data File : VW004968.D  
 Acq On : 27 Aug 2018 17:09  
 Operator : SY/AP  
 Sample : J4649-01  
 Misc : 2.41G/10ML/MSVOA\_W/SOIL  
 ALS Vial : 1 Sample Multiplier: 1

Instrument :  
 MSVOA\_W  
 ClientSampleId :  
 GAB88

Quant Time: Aug 28 01:40:40 2018  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_W\METHOD\SOM2WLM082218S.M  
 Quant Title : VOC Analysis  
 QLast Update : Tue Aug 28 01:39:39 2018  
 Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|----------------------------|-------|------|----------|-------|-------|----------|
| 1) 1,4-Difluorobenzene     | 8.85  | 114  | 689769   | 25.00 | ug/L  | 0.00     |
| 28) Chlorobenzene-d5       | 11.63 | 117  | 757862   | 25.00 | ug/L  | 0.00     |
| 60) 1,4-Dichlorobenzene-d4 | 13.57 | 152  | 379627   | 25.00 | ug/L  | 0.00     |

## System Monitoring Compounds

|                                |        |       |          |          |      |        |
|--------------------------------|--------|-------|----------|----------|------|--------|
| 4) Vinyl Chloride-d3           | 2.35   | 65    | 245375   | 18.82    | ug/L | 0.00   |
| Spiked Amount                  | 25.000 | Range | 30 - 150 | Recovery | =    | 75.28% |
| 7) Chloroethane-d5             | 2.89   | 69    | 194390   | 20.11    | ug/L | 0.00   |
| Spiked Amount                  | 25.000 | Range | 30 - 150 | Recovery | =    | 80.44% |
| 10) 1,1-Dichloroethene-d2      | 4.02   | 63    | 253897   | 15.25    | ug/L | 0.00   |
| Spiked Amount                  | 25.000 | Range | 45 - 110 | Recovery | =    | 61.00% |
| 20) 2-Butanone-d5              | 7.09   | 46    | 124618   | 46.96    | ug/L | 0.00   |
| Spiked Amount                  | 50.000 | Range | 20 - 135 | Recovery | =    | 93.92% |
| 24) Chloroform-d               | 7.65   | 84    | 333019   | 21.75    | ug/L | 0.00   |
| Spiked Amount                  | 25.000 | Range | 40 - 150 | Recovery | =    | 87.00% |
| 26) 1,2-Dichloroethane-d4      | 8.31   | 65    | 197406   | 23.72    | ug/L | 0.00   |
| Spiked Amount                  | 25.000 | Range | 70 - 130 | Recovery | =    | 94.88% |
| 29) Benzene-d6                 | 8.28   | 84    | 755261   | 19.37    | ug/L | 0.00   |
| Spiked Amount                  | 25.000 | Range | 20 - 135 | Recovery | =    | 77.48% |
| 33) 1,2-Dichloropropane-d6     | 9.28   | 67    | 228092   | 19.91    | ug/L | 0.00   |
| Spiked Amount                  | 25.000 | Range | 70 - 120 | Recovery | =    | 79.64% |
| 37) Toluene-d8                 | 10.33  | 98    | 831174   | 20.13    | ug/L | 0.00   |
| Spiked Amount                  | 25.000 | Range | 30 - 130 | Recovery | =    | 80.52% |
| 38) trans-1,3-Dichloropropene- | 10.59  | 79    | 100775   | 20.45    | ug/L | 0.00   |
| Spiked Amount                  | 25.000 | Range | 30 - 135 | Recovery | =    | 81.80% |
| 39) 2-Hexanone-d5              | 10.93  | 63    | 136154   | 47.98    | ug/L | 0.00   |
| Spiked Amount                  | 50.000 | Range | 20 - 135 | Recovery | =    | 95.96% |
| 48) 1,1,2,2-Tetrachloroethane- | 12.70  | 84    | 257105   | 22.34    | ug/L | 0.00   |
| Spiked Amount                  | 25.000 | Range | 45 - 120 | Recovery | =    | 89.36% |
| 61) 1,2-Dichlorobenzene-d4     | 13.86  | 152   | 351624   | 23.06    | ug/L | 0.00   |
| Spiked Amount                  | 25.000 | Range | 75 - 120 | Recovery | =    | 92.24% |

## Target Compounds

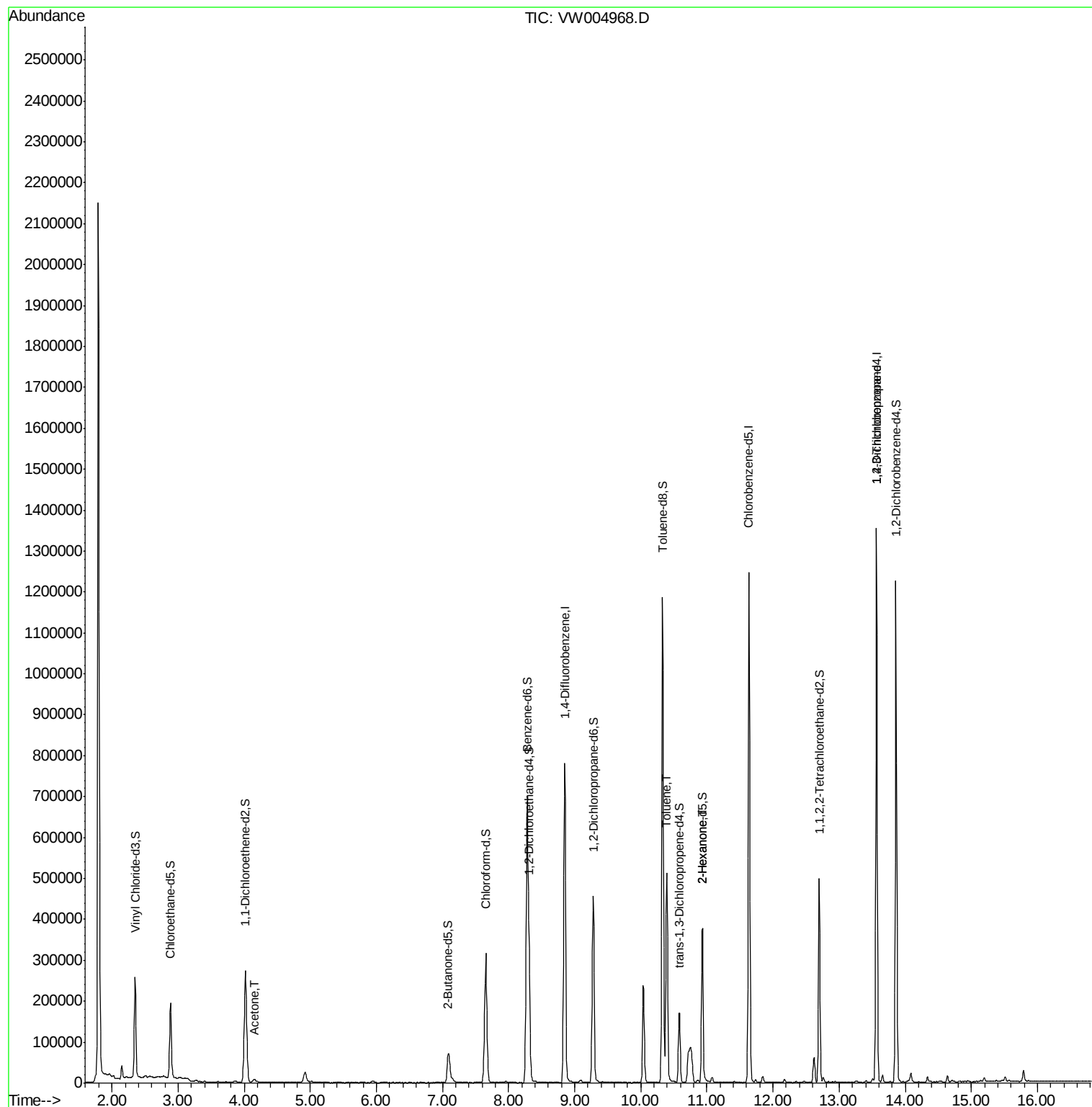
|                            |       |    |        |              | Qvalue |
|----------------------------|-------|----|--------|--------------|--------|
| 13) Acetone                | 4.15  | 43 | 10103  | 4.916 ug/L   | 96     |
| 44) Toluene                | 10.39 | 91 | 396683 | 7.644 ug/L   | 98     |
| 49) 2-Hexanone             | 10.93 | 43 | 15529  | 2.561 ug/L # | 69     |
| 59) 1,2,3-Trichloropropane | 13.57 | 75 | 40314  | 4.424 ug/L   | 89     |

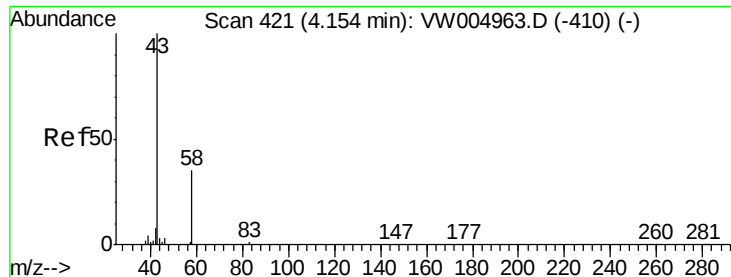
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Tue Aug 28 01:39:39 2018  
Response via : Initial Calibration





#13

Acetone

Concen: 4.916 ug/L

RT: 4.15 min Scan# 420

Delta R.T. 0.01 min

Lab File: VW004968.D

Acq: 27 Aug 2018 17:09

Instrument :

MSVOA\_W

ClientSampleId :

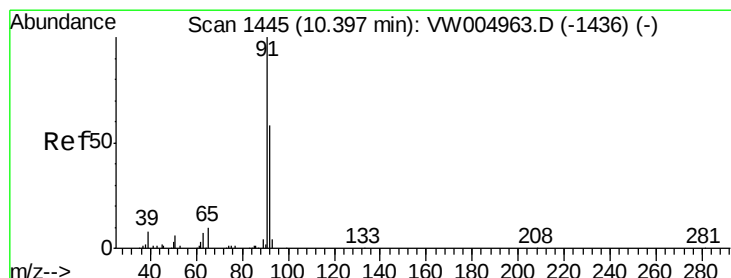
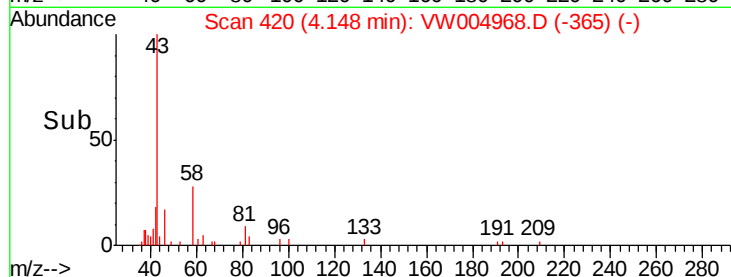
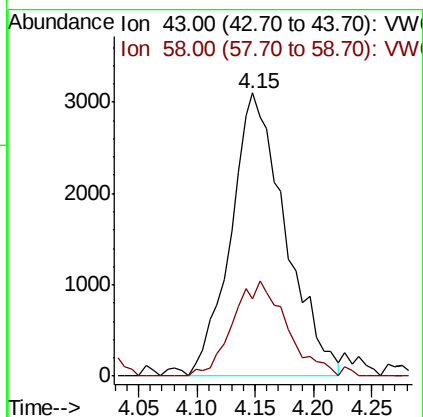
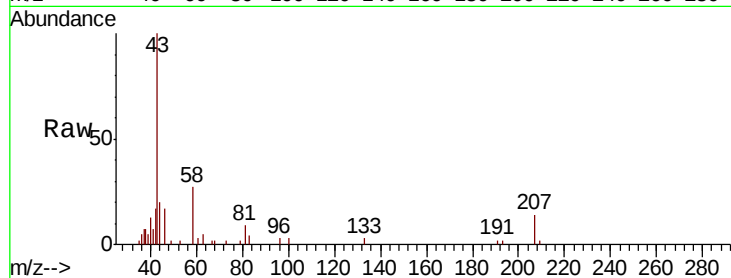
GAB88

Tgt Ion: 43 Resp: 10103

Ion Ratio Lower Upper

43 100

58 32.5 0.0 69.4



#44

Toluene

Concen: 7.644 ug/L

RT: 10.39 min Scan# 1444

Delta R.T. -0.01 min

Lab File: VW004968.D

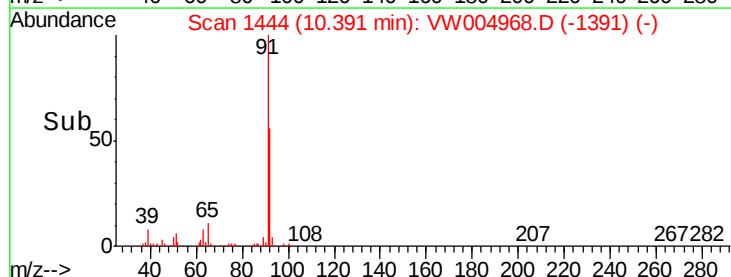
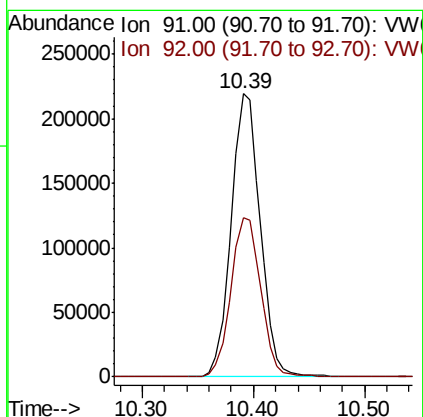
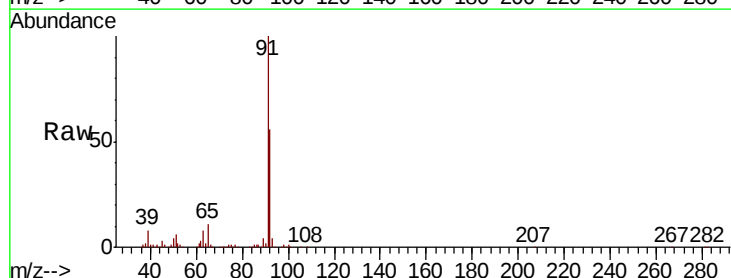
Acq: 27 Aug 2018 17:09

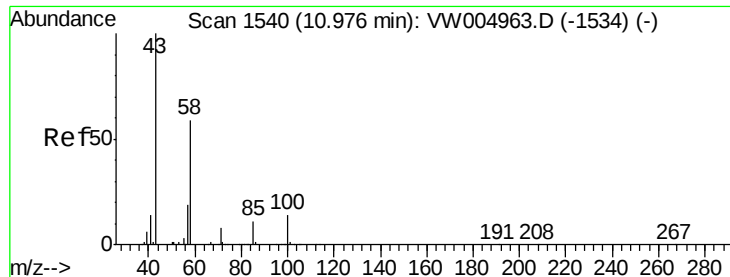
Tgt Ion: 91 Resp: 396683

Ion Ratio Lower Upper

91 100

92 56.4 40.6 75.4





#49

2-Hexanone

Concen: 2.561 ug/L

RT: 10.93 min Scan# 1533

Delta R.T. -0.04 min

Lab File: VW004968.D

Acq: 27 Aug 2018 17:09

Instrument :

MSVOA\_W

ClientSampled :

GAB88

Tgt Ion: 43 Resp: 15529

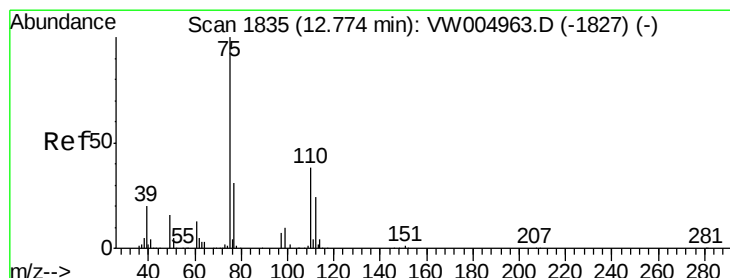
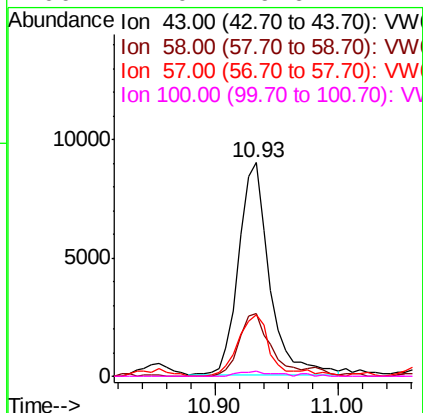
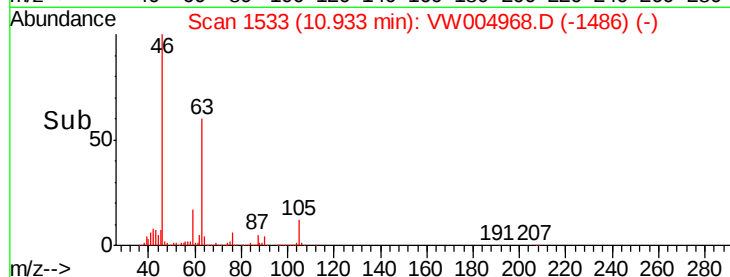
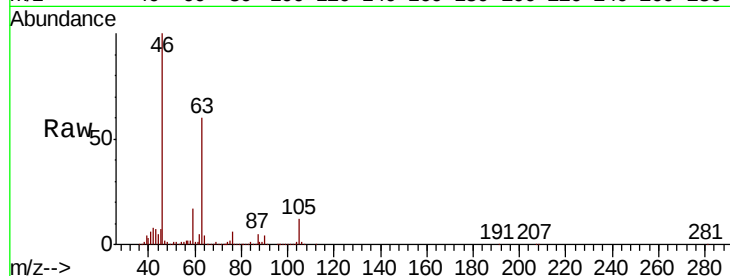
Ion Ratio Lower Upper

43 100

58 30.2 44.6 67.0#

57 28.5 15.4 23.2#

100 2.0 9.6 14.4#



#59

1,2,3-Trichloropropane

Concen: 4.424 ug/L

RT: 13.57 min Scan# 1965

Delta R.T. 0.79 min

Lab File: VW004968.D

Acq: 27 Aug 2018 17:09

Tgt Ion: 75 Resp: 40314

Ion Ratio Lower Upper

75 100

77 37.8 25.3 37.9

