

Data File : VW011112.D  
Acq On : 02 Jul 2019 16:56  
Operator : SY/VA  
Sample : K3599-07  
Misc : 5.02G/10ML/MSVOA\_W/SOIL  
ALS Vial : 1 Sample Multiplier: 1

Instrument :  
MSVOA\_W  
ClientSampleId :  
GAM16

Quant Time: Jul 03 05:14:51 2019  
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_W\METHOD\SOM2WLM070219S.M  
Quant Title : VOC Analysis  
QLast Update : Tue Jul 02 12:27:54 2019  
Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|----------------------------|-------|------|----------|-------|-------|----------|
| 1) 1,4-Difluorobenzene     | 8.84  | 114  | 294844   | 25.00 | ug/L  | 0.00     |
| 28) Chlorobenzene-d5       | 11.63 | 117  | 265473   | 25.00 | ug/L  | 0.00     |
| 60) 1,4-Dichlorobenzene-d4 | 13.56 | 152  | 121743   | 25.00 | ug/L  | 0.00     |

#### System Monitoring Compounds

|                                |        |       |          |          |      |        |
|--------------------------------|--------|-------|----------|----------|------|--------|
| 4) Vinyl Chloride-d3           | 2.34   | 65    | 79751    | 17.71    | ug/L | 0.00   |
| Spiked Amount                  | 25.000 | Range | 30 - 150 | Recovery | =    | 70.84% |
| 7) Chloroethane-d5             | 2.88   | 69    | 59693    | 18.90    | ug/L | 0.00   |
| Spiked Amount                  | 25.000 | Range | 30 - 150 | Recovery | =    | 75.60% |
| 10) 1,1-Dichloroethene-d2      | 4.01   | 63    | 139690   | 14.65    | ug/L | 0.00   |
| Spiked Amount                  | 25.000 | Range | 45 - 110 | Recovery | =    | 58.60% |
| 20) 2-Butanone-d5              | 7.07   | 46    | 83909    | 47.31    | ug/L | 0.00   |
| Spiked Amount                  | 50.000 | Range | 20 - 135 | Recovery | =    | 94.62% |
| 24) Chloroform-d               | 7.65   | 84    | 175219   | 21.68    | ug/L | 0.00   |
| Spiked Amount                  | 25.000 | Range | 40 - 150 | Recovery | =    | 86.72% |
| 26) 1,2-Dichloroethane-d4      | 8.30   | 65    | 113516   | 22.81    | ug/L | 0.00   |
| Spiked Amount                  | 25.000 | Range | 70 - 130 | Recovery | =    | 91.24% |
| 29) Benzene-d6                 | 8.27   | 84    | 354736   | 21.69    | ug/L | 0.00   |
| Spiked Amount                  | 25.000 | Range | 20 - 135 | Recovery | =    | 86.76% |
| 33) 1,2-Dichloropropane-d6     | 9.27   | 67    | 120615   | 22.65    | ug/L | 0.00   |
| Spiked Amount                  | 25.000 | Range | 70 - 120 | Recovery | =    | 90.60% |
| 37) Toluene-d8                 | 10.32  | 98    | 317155   | 21.76    | ug/L | 0.00   |
| Spiked Amount                  | 25.000 | Range | 30 - 130 | Recovery | =    | 87.04% |
| 38) trans-1,3-Dichloropropene- | 10.58  | 79    | 44447    | 19.63    | ug/L | 0.00   |
| Spiked Amount                  | 25.000 | Range | 30 - 135 | Recovery | =    | 78.52% |
| 39) 2-Hexanone-d5              | 10.93  | 63    | 52723    | 43.17    | ug/L | 0.00   |
| Spiked Amount                  | 50.000 | Range | 20 - 135 | Recovery | =    | 86.34% |
| 48) 1,1,2,2-Tetrachloroethane- | 12.69  | 84    | 101691   | 23.08    | ug/L | 0.00   |
| Spiked Amount                  | 25.000 | Range | 45 - 120 | Recovery | =    | 92.32% |
| 61) 1,2-Dichlorobenzene-d4     | 13.85  | 152   | 107177   | 22.93    | ug/L | 0.00   |
| Spiked Amount                  | 25.000 | Range | 75 - 120 | Recovery | =    | 91.72% |

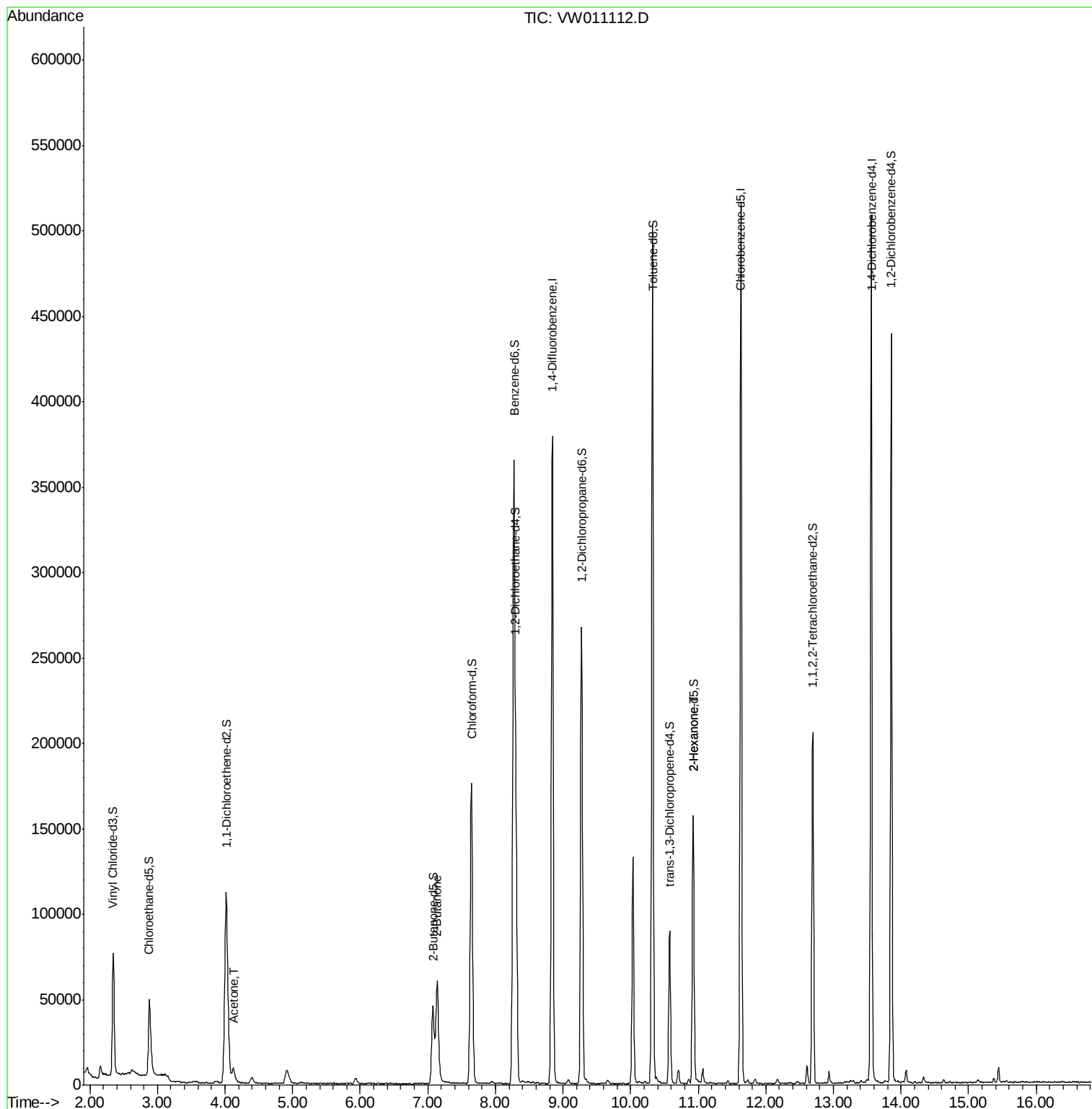
| Target Compounds |       |    |       |              | Qvalue |
|------------------|-------|----|-------|--------------|--------|
| 13) Acetone      | 4.12  | 43 | 14053 | 8.113 ug/L   | 95     |
| 21) 2-Butanone   | 7.14  | 43 | 4537  | 2.029 ug/L # | 73     |
| 49) 2-Hexanone   | 10.92 | 43 | 7727  | 2.519 ug/L # | 67     |

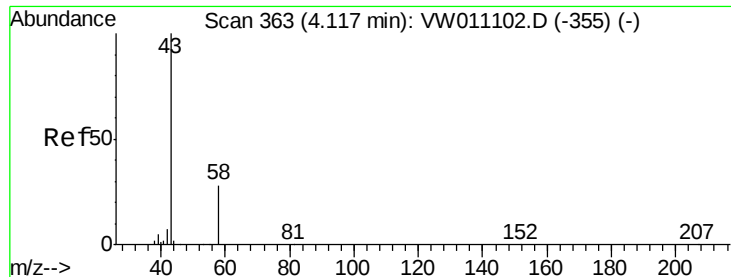
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#13

Acetone

Concen: 8.113 ug/L

RT: 4.12 min Scan# 363

Delta R.T. 0.00 min

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Acq: 02 Jul 2019 16:56

Instrument :

MSVOA\_W

ClientSampled :

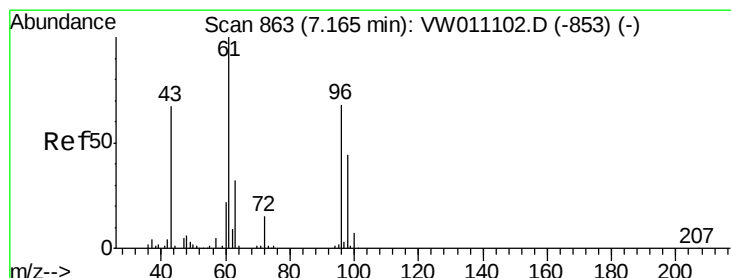
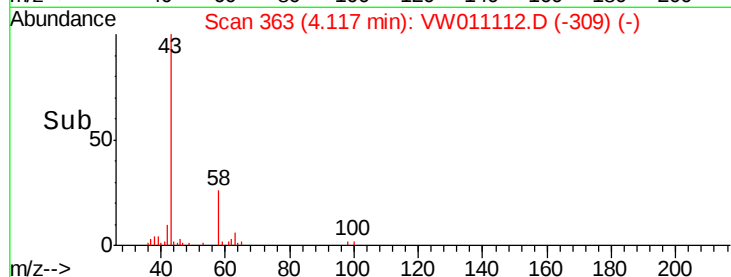
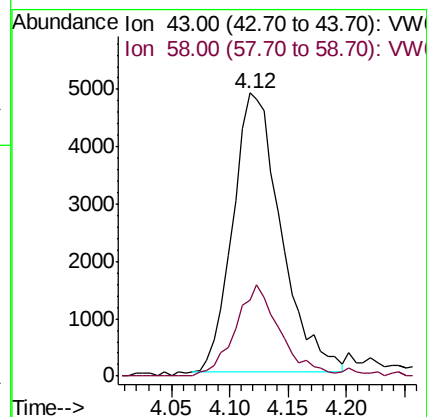
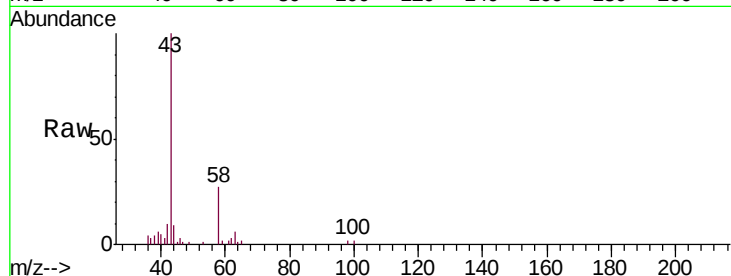
GAM16

Tgt Ion: 43 Resp: 14053

Ion Ratio Lower Upper

43 100

58 30.1 0.0 55.0



#21

2-Butanone

Concen: 2.029 ug/L

RT: 7.14 min Scan# 859

Delta R.T. -0.02 min

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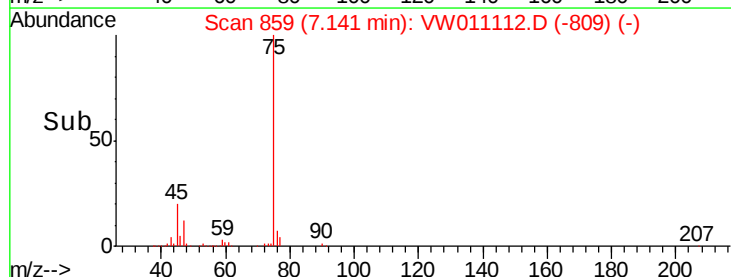
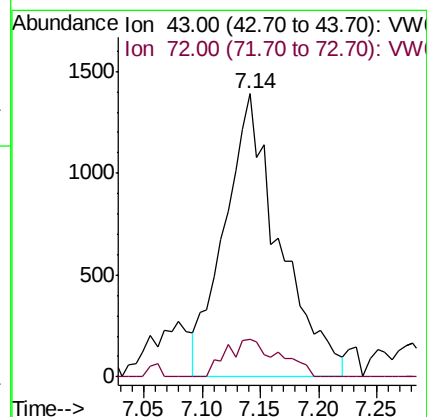
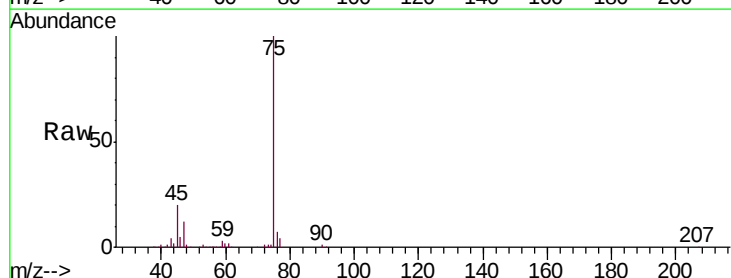
Acq: 02 Jul 2019 16:56

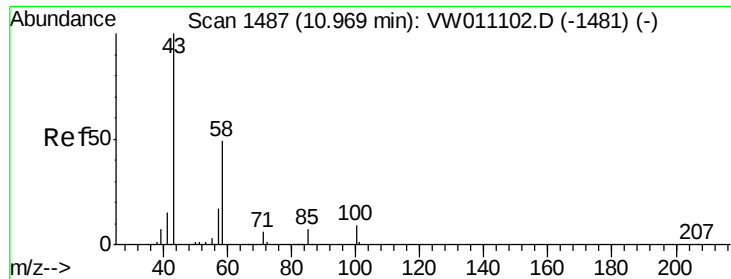
Tgt Ion: 43 Resp: 4537

Ion Ratio Lower Upper

43 100

72 9.3 11.2 33.6#





#49

2-Hexanone

Concen: 2.519 ug/L

RT: 10.92 min Scan# 1479

Delta R.T. -0.05 min

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Acq: 02 Jul 2019 16:56

Instrument :

MSVOA\_W

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Tgt Ion: 43 Resp: 7727

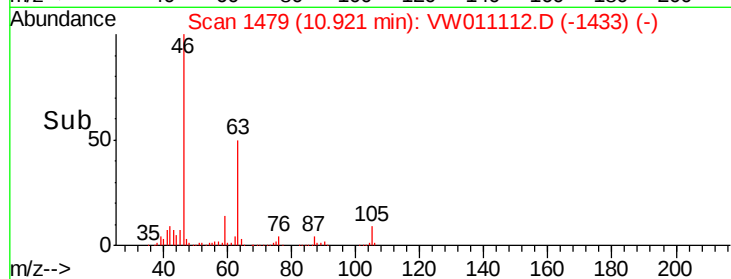
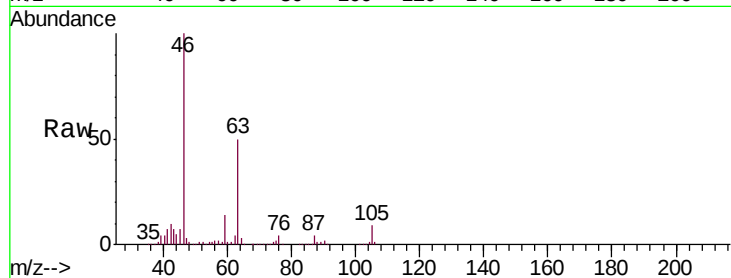
Ion Ratio Lower Upper

43 100

58 20.0 38.4 57.6#

57 23.3 13.3 19.9#

100 0.8 7.3 10.9#



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW

Ion 57.00 (56.70 to 57.70): VW

Ion 100.00 (99.70 to 100.70): VW

