

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW103019\  
 Data File : VW013833.D  
 Acq On : 30 Oct 2019 13:19  
 Operator : SY/VA  
 Sample : K5549-15RE  
 Misc : 3.82G/10ML/MSVOA W/SOIL  
 ALS Vial : 1 Sample Multiplier: 1

Instrument :  
 MSVOA\_W  
 ClientSampleId :  
 GAQ68

Quant Time: Oct 31 05:32:15 2019  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_W\METHOD\SOM2WLM101819S.M  
 Quant Title : VOC Analysis  
 QLast Update : Thu Oct 31 05:29:18 2019  
 Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|----------------------------|-------|------|----------|-------|-------|----------|
| 1) 1,4-Difluorobenzene     | 8.84  | 114  | 314158   | 25.00 | ug/L  | 0.00     |
| 28) Chlorobenzene-d5       | 11.63 | 117  | 296080   | 25.00 | ug/L  | 0.00     |
| 60) 1,4-Dichlorobenzene-d4 | 13.56 | 152  | 135438   | 25.00 | ug/L  | 0.00     |

## System Monitoring Compounds

|                                |        |       |          |          |      |         |
|--------------------------------|--------|-------|----------|----------|------|---------|
| 4) Vinyl Chloride-d3           | 2.36   | 65    | 89673    | 23.26    | ug/L | 0.00    |
| Spiked Amount                  | 25.000 | Range | 30 - 150 | Recovery | =    | 93.04%  |
| 7) Chloroethane-d5             | 2.89   | 69    | 73534    | 20.44    | ug/L | 0.00    |
| Spiked Amount                  | 25.000 | Range | 30 - 150 | Recovery | =    | 81.76%  |
| 10) 1,1-Dichloroethene-d2      | 4.02   | 63    | 138485   | 16.27    | ug/L | 0.00    |
| Spiked Amount                  | 25.000 | Range | 45 - 110 | Recovery | =    | 65.08%  |
| 20) 2-Butanone-d5              | 7.07   | 46    | 71816    | 52.09    | ug/L | 0.00    |
| Spiked Amount                  | 50.000 | Range | 20 - 135 | Recovery | =    | 104.18% |
| 24) Chloroform-d               | 7.65   | 84    | 199079   | 22.65    | ug/L | 0.00    |
| Spiked Amount                  | 25.000 | Range | 40 - 150 | Recovery | =    | 90.60%  |
| 26) 1,2-Dichloroethane-d4      | 8.31   | 65    | 113339   | 24.66    | ug/L | 0.00    |
| Spiked Amount                  | 25.000 | Range | 70 - 130 | Recovery | =    | 98.64%  |
| 29) Benzene-d6                 | 8.27   | 84    | 413380   | 23.24    | ug/L | 0.00    |
| Spiked Amount                  | 25.000 | Range | 20 - 135 | Recovery | =    | 92.96%  |
| 33) 1,2-Dichloropropane-d6     | 9.27   | 67    | 131715   | 24.79    | ug/L | 0.00    |
| Spiked Amount                  | 25.000 | Range | 70 - 120 | Recovery | =    | 99.16%  |
| 37) Toluene-d8                 | 10.32  | 98    | 375095   | 22.86    | ug/L | 0.00    |
| Spiked Amount                  | 25.000 | Range | 30 - 130 | Recovery | =    | 91.44%  |
| 38) trans-1,3-Dichloropropene- | 10.58  | 79    | 56558    | 23.60    | ug/L | 0.00    |
| Spiked Amount                  | 25.000 | Range | 30 - 135 | Recovery | =    | 94.40%  |
| 39) 2-Hexanone-d5              | 10.92  | 63    | 59137    | 58.23    | ug/L | 0.00    |
| Spiked Amount                  | 50.000 | Range | 20 - 135 | Recovery | =    | 116.46% |
| 48) 1,1,2,2-Tetrachloroethane- | 12.69  | 84    | 116826   | 26.85    | ug/L | 0.00    |
| Spiked Amount                  | 25.000 | Range | 45 - 120 | Recovery | =    | 107.40% |
| 61) 1,2-Dichlorobenzene-d4     | 13.85  | 152   | 114712   | 23.97    | ug/L | 0.00    |
| Spiked Amount                  | 25.000 | Range | 75 - 120 | Recovery | =    | 95.88%  |

## Target Compounds

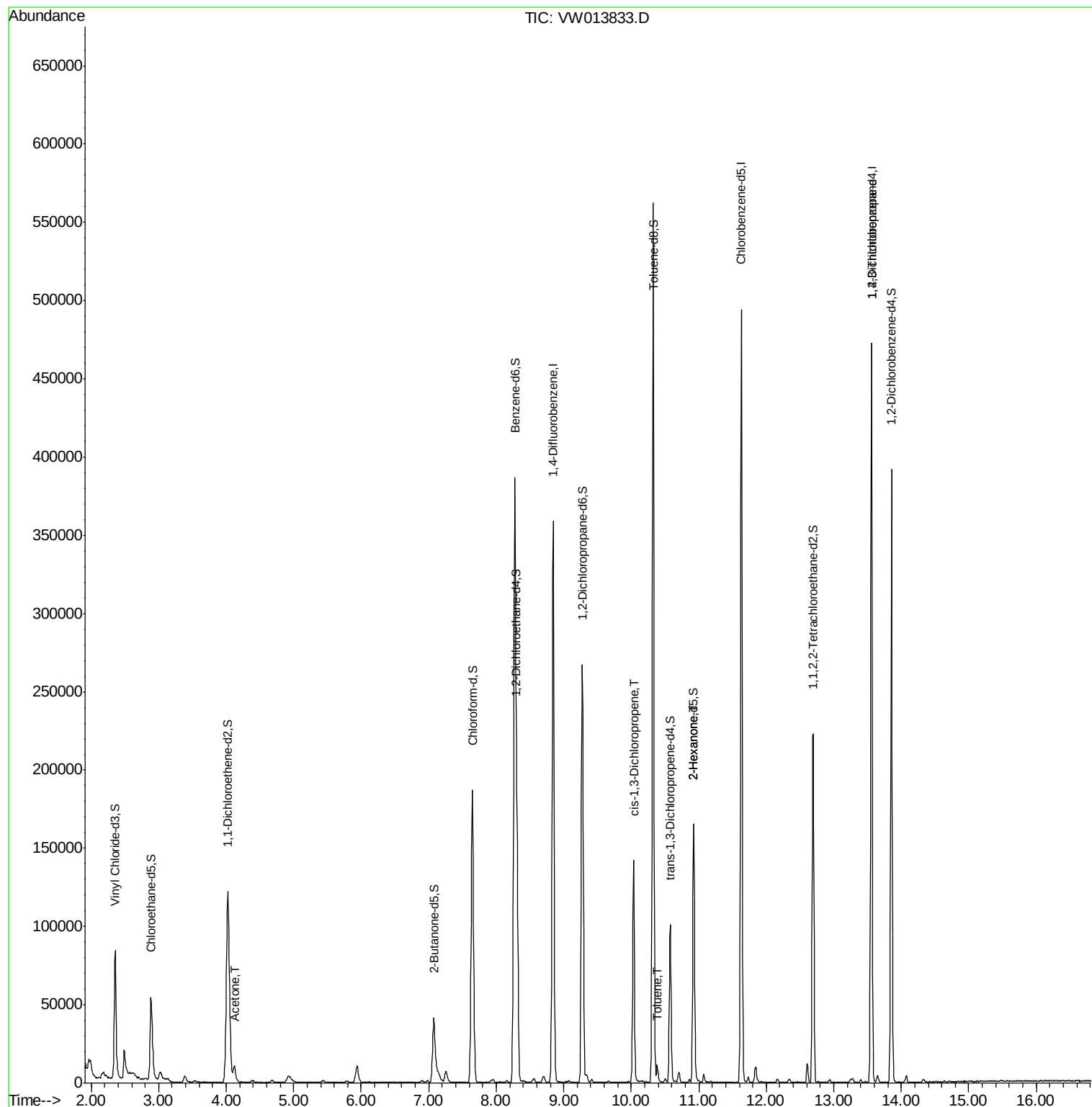
|                             |       |    |       |              | Ovalue |
|-----------------------------|-------|----|-------|--------------|--------|
| 13) Acetone                 | 4.12  | 43 | 16320 | 10.666 ug/L  | 96     |
| 42) cis-1,3-Dichloropropene | 10.03 | 75 | 3006  | 0.367 ug/L # | 69     |
| 44) Toluene                 | 10.39 | 91 | 7859  | 0.344 ug/L   | 90     |
| 49) 2-Hexanone              | 10.93 | 43 | 6385  | 2.540 ug/L # | 64     |
| 59) 1,2,3-Trichloropropane  | 13.55 | 75 | 14113 | 4.031 ug/L   | 93     |

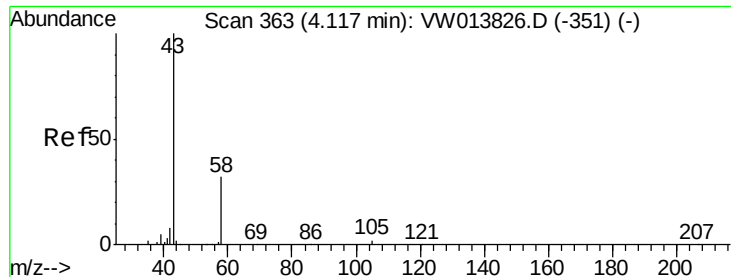
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : VOC Analysis  
QLast Update : Thu Oct 31 05:29:18 2019  
Response via : Initial Calibration





#13

Acetone

Concen: 10.666 ug/L

RT: 4.12 min Scan# 363

Delta R.T. 0.00 min

Lab File: VW013833.D

Acq: 30 Oct 2019 13:19

Instrument :

MSVOA\_W

ClientSampleId :

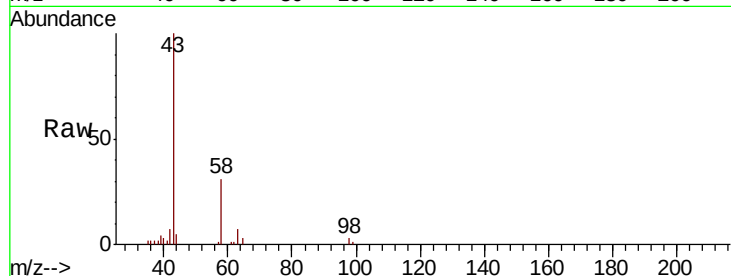
GAQ68

Tot Ion: 43 Resp: 16320

Ion Ratio Lower Upper

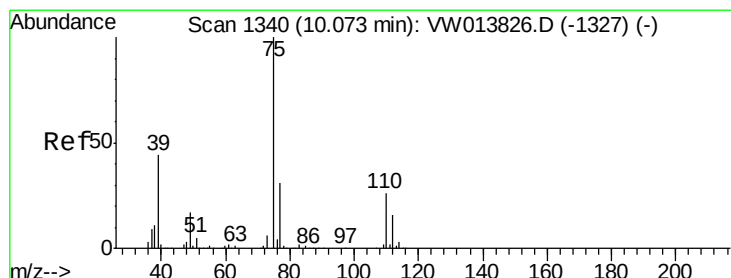
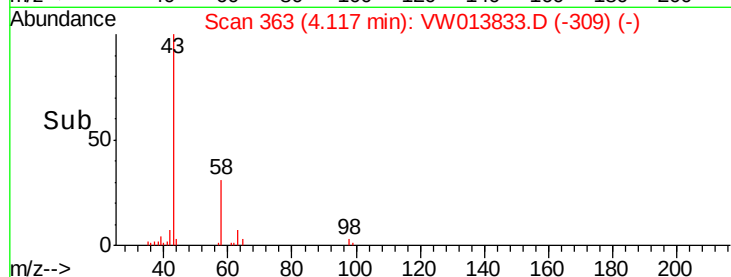
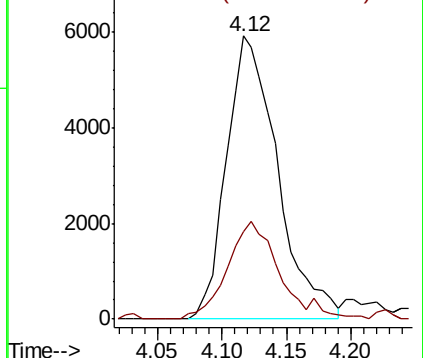
43 100

58 33.0 0.0 70.4



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW



#42

cis-1,3-Dichloropropene

Concen: 0.367 ug/L

RT: 10.03 min Scan# 1333

Delta R.T. -0.04 min

Lab File: VW013833.D

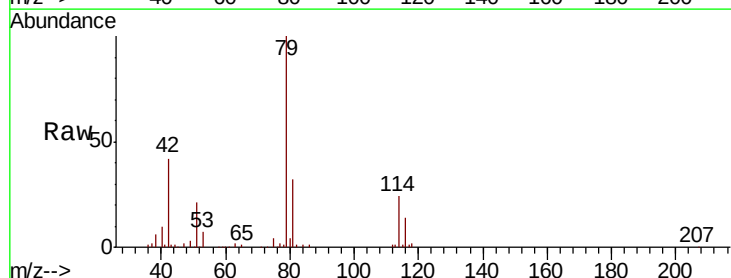
Acq: 30 Oct 2019 13:19

Tgt Ion: 75 Resp: 3006

Ion Ratio Lower Upper

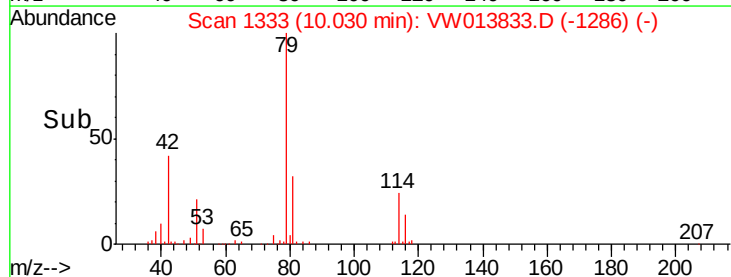
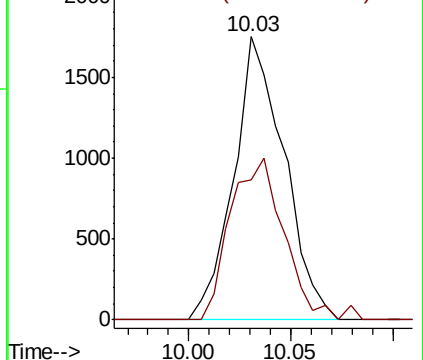
75 100

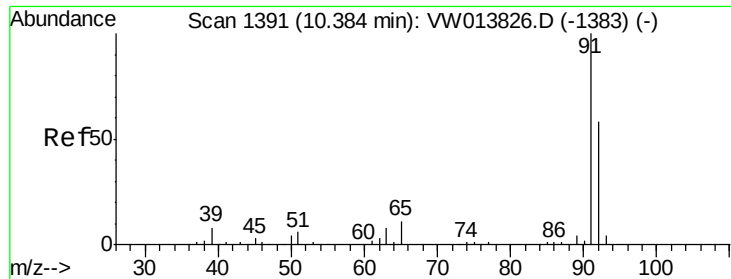
77 49.5 22.5 41.9#



Abundance Ion 75.00 (74.70 to 75.70): VW

Ion 77.00 (76.70 to 77.70): VW

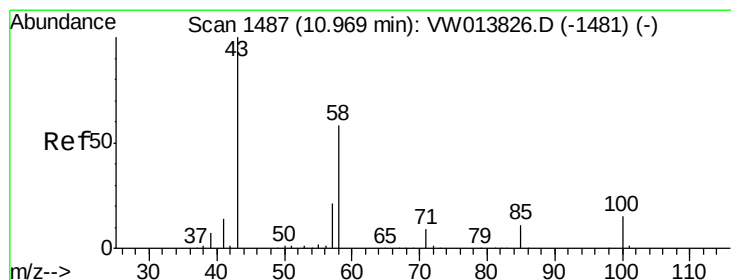
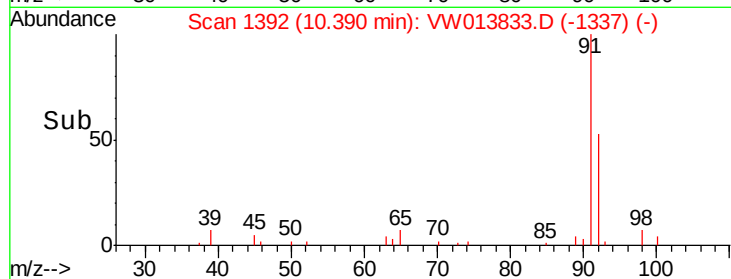
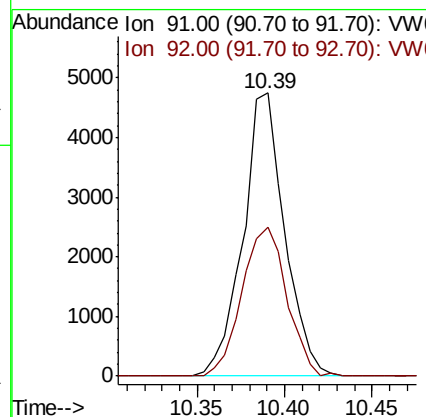
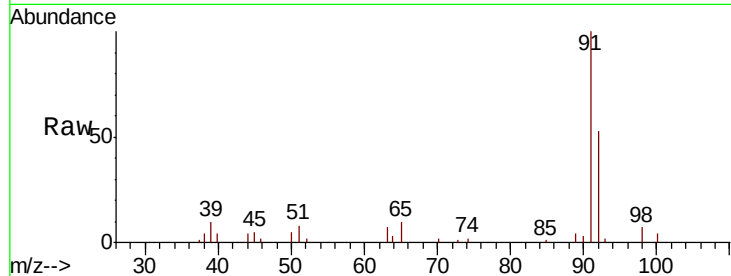




#44  
Toluene  
Concen: 0.344 ug/L  
RT: 10.39 min Scan# 1392  
Delta R.T. 0.01 min  
Lab File: VW013833.D  
Acq: 30 Oct 2019 13:19

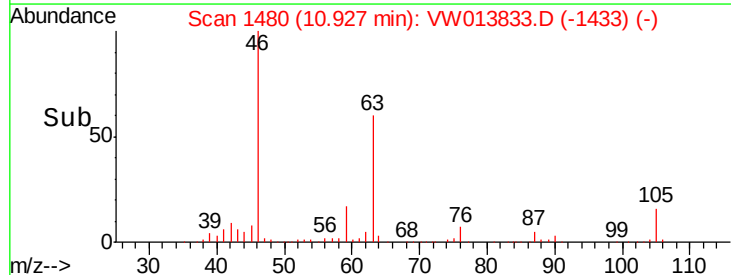
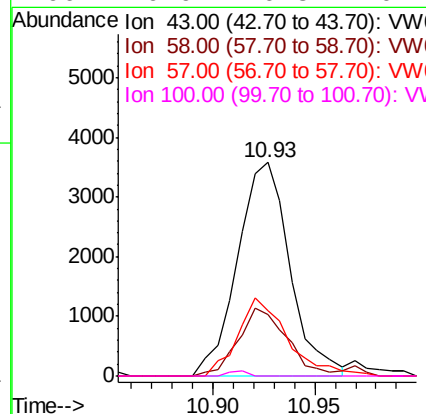
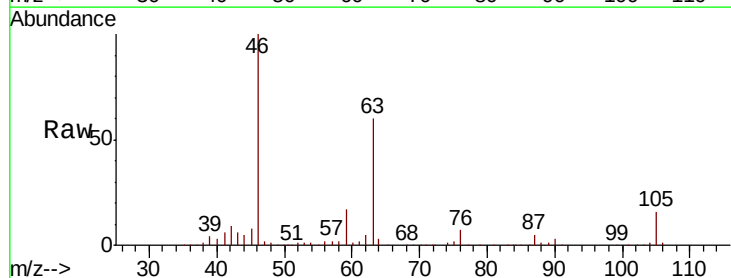
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MSVOA\_W  
ClientSampled :  
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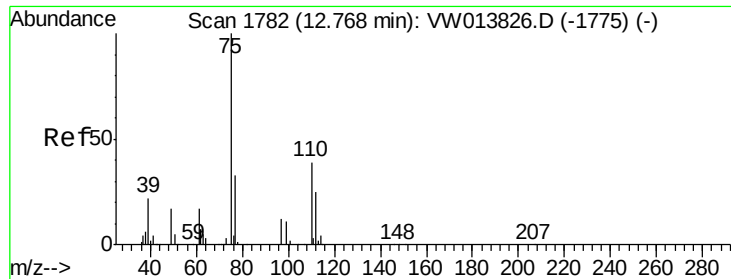
Tot Ion: 91 Resp: 7859  
Ion Ratio Lower Upper  
91 100  
92 52.8 42.0 78.0



#49  
2-Hexanone  
Concen: 2.540 ug/L  
RT: 10.93 min Scan# 1480  
Delta R.T. -0.04 min  
Lab File: VW013833.D  
Acq: 30 Oct 2019 13:19

Tgt Ion: 43 Resp: 6385  
Ion Ratio Lower Upper  
43 100  
58 29.4 45.8 68.6#  
57 34.9 15.4 23.2#  
100 0.9 10.8 16.2#





#59

1,2,3-Trichloropropane

Concen: 4.031 ug/L

RT: 13.55 min Scan# 1911

Delta R.T. 0.79 min

Lab File: VW013833.D

Acq: 30 Oct 2019 13:19

Instrument :

MSVOA\_W

ClientSampleId :

GAQ68

Tot Ion: 75 Resp: 14113

Ion Ratio Lower Upper

75 100

77 36.9 26.4 39.6

