

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW092320\  
 Data File : VW016615.D  
 Acq On : 22 Sep 2020 17:05  
 Operator : SY/VA  
 Sample : VIBLK02  
 Misc : 5.00G/10ML/MSVOA W/SOIL  
 ALS Vial : 14 Sample Multiplier: 1

Instrument :  
 MSVOA\_W  
 ClientSampleId :  
 VIBLK02

Manual Integrations  
 APPROVED

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 9/28/2020 3:16:23 PM

Quant Time: Sep 23 16:31:39 2020  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_W\METHOD\SOM2WLM091520S.M  
 Quant Title : VOC Analysis  
 QLast Update : Wed Sep 23 07:21:48 2020  
 Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|----------------------------|-------|------|----------|-------|-------|----------|
| 1) 1,4-Difluorobenzene     | 8.85  | 114  | 542537   | 25.00 | ug/L  | 0.00     |
| 28) Chlorobenzene-d5       | 11.63 | 117  | 480154   | 25.00 | ug/L  | 0.00     |
| 60) 1,4-Dichlorobenzene-d4 | 13.56 | 152  | 230012   | 25.00 | ug/L  | 0.00     |

## System Monitoring Compounds

|                                |        |       |          |          |      |        |
|--------------------------------|--------|-------|----------|----------|------|--------|
| 4) Vinyl Chloride-d3           | 2.37   | 65    | 93062    | 17.72    | ug/L | 0.00   |
| Spiked Amount                  | 25.000 | Range | 30 - 150 | Recovery | =    | 70.88% |
| 7) Chloroethane-d5             | 2.91   | 69    | 83039    | 19.37    | ug/L | 0.00   |
| Spiked Amount                  | 25.000 | Range | 30 - 150 | Recovery | =    | 77.48% |
| 10) 1,1-Dichloroethene-d2      | 4.03   | 63    | 145616   | 12.40    | ug/L | 0.00   |
| Spiked Amount                  | 25.000 | Range | 45 - 110 | Recovery | =    | 49.60% |
| 20) 2-Butanone-d5              | 7.08   | 46    | 63819    | 44.57    | ug/L | 0.00   |
| Spiked Amount                  | 50.000 | Range | 20 - 135 | Recovery | =    | 89.14% |
| 24) Chloroform-d               | 7.65   | 84    | 238078   | 20.98    | ug/L | 0.00   |
| Spiked Amount                  | 25.000 | Range | 40 - 150 | Recovery | =    | 83.92% |
| 26) 1,2-Dichloroethane-d4      | 8.31   | 65    | 128931   | 22.13    | ug/L | 0.00   |
| Spiked Amount                  | 25.000 | Range | 70 - 130 | Recovery | =    | 88.52% |
| 29) Benzene-d6                 | 8.28   | 84    | 431818   | 20.05    | ug/L | 0.00   |
| Spiked Amount                  | 25.000 | Range | 20 - 135 | Recovery | =    | 80.20% |
| 33) 1,2-Dichloropropane-d6     | 9.28   | 67    | 127148   | 21.79    | ug/L | 0.00   |
| Spiked Amount                  | 25.000 | Range | 70 - 120 | Recovery | =    | 87.16% |
| 37) Toluene-d8                 | 10.33  | 98    | 395738   | 18.68    | ug/L | 0.00   |
| Spiked Amount                  | 25.000 | Range | 30 - 130 | Recovery | =    | 74.72% |
| 38) trans-1,3-Dichloropropene- | 10.58  | 79    | 60115    | 20.44    | ug/L | 0.00   |
| Spiked Amount                  | 25.000 | Range | 30 - 135 | Recovery | =    | 81.76% |
| 39) 2-Hexanone-d5              | 10.93  | 63    | 49457    | 46.60    | ug/L | 0.00   |
| Spiked Amount                  | 50.000 | Range | 20 - 135 | Recovery | =    | 93.20% |
| 48) 1,1,2,2-Tetrachloroethane- | 12.69  | 84    | 116874   | 23.54    | ug/L | 0.00   |
| Spiked Amount                  | 25.000 | Range | 45 - 120 | Recovery | =    | 94.16% |
| 61) 1,2-Dichlorobenzene-d4     | 13.86  | 152   | 163323   | 22.22    | ug/L | 0.00   |
| Spiked Amount                  | 25.000 | Range | 75 - 120 | Recovery | =    | 88.88% |

| Target Compounds       |       |    |       |            | Ovalue |
|------------------------|-------|----|-------|------------|--------|
| 13) Acetone            | 4.14  | 43 | 2759m | 2.460 ug/L |        |
| 16) Methylene chloride | 4.92  | 84 | 28261 | 3.377 ug/L | 95     |
| 44) Toluene            | 10.39 | 91 | 6678  | 0.231 ug/L | 92     |

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

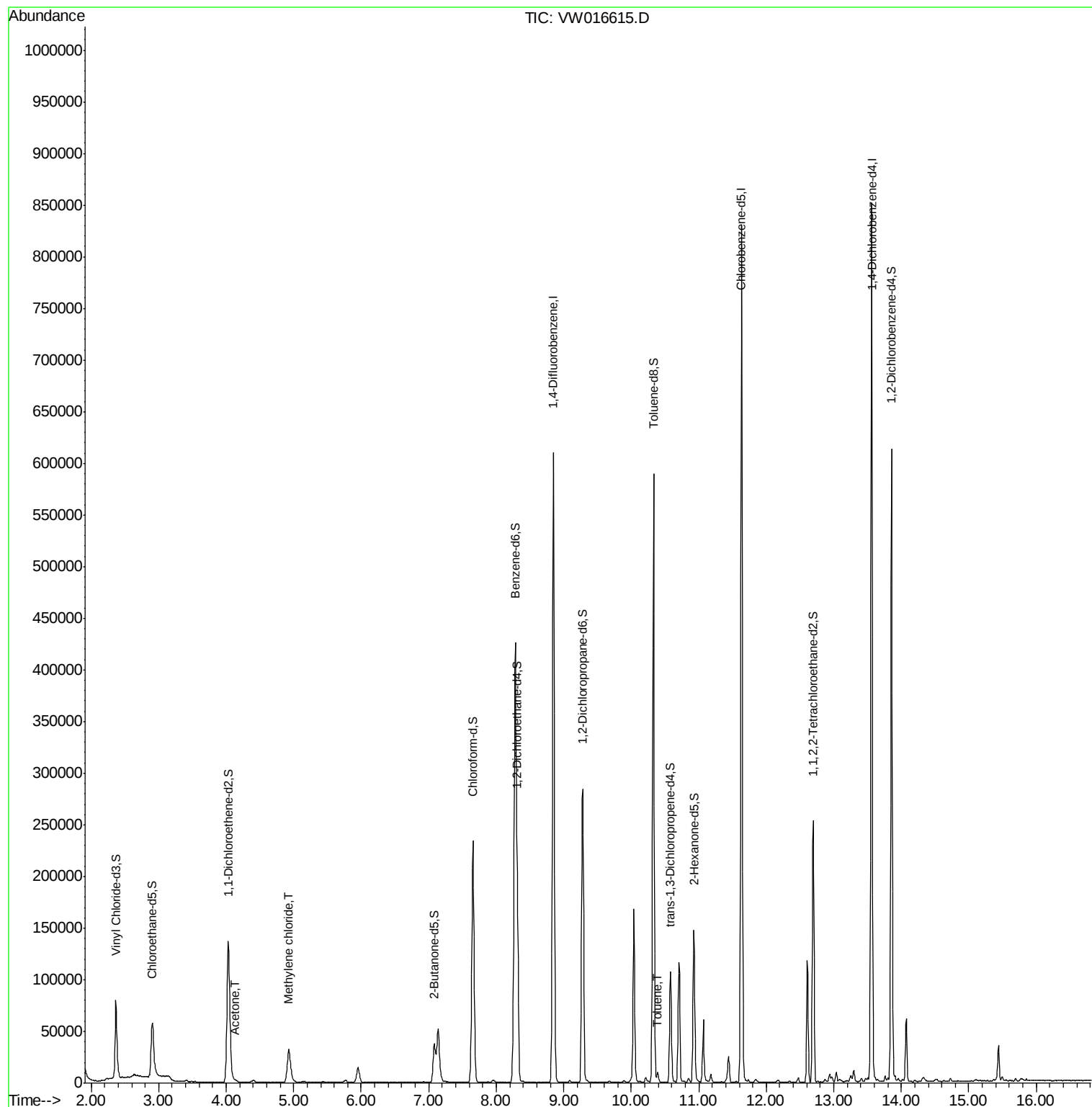
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA W\DATA\VW092320\  
Data File : VW016615.D  
Acq On : 22 Sep 2020 17:05  
Operator : SY/VA  
Sample : VIBLK02  
Misc : 5.00G/10ML/MSVOA W/SOIL  
ALS Vial : 14 Sample Multiplier: 1

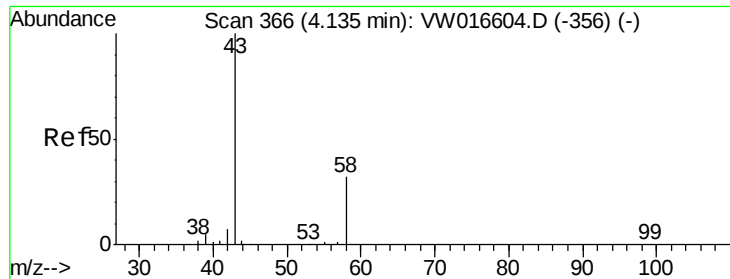
Instrument :  
MSVOA\_W  
ClientSampleId :  
VIBLK02

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Quant Time: Sep 23 16:31:39 2020  
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA\_W\METHOD\SOM2WLM091520S.M  
Quant Title : VOC Analysis  
QLast Update : Wed Sep 23 07:21:48 2020  
Response via : Initial Calibration





#13

Acetone

Concen: 2.460 ug/L m

RT: 4.14 min Scan# 367

Delta R.T. 0.01 min

Lab File: VW016615.D

Acq: 22 Sep 2020 17:05

Instrument :

MSVOA\_W

ClientSampled :

VIBLK02

Tot Ion: 43 Resp: 2759

Ion Ratio Lower Upper

43 100

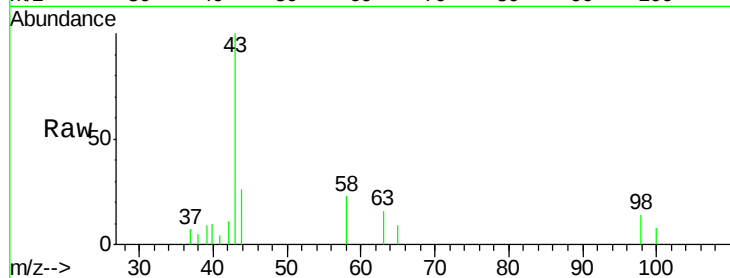
58 4.3 0.0 60.2

Manual Integrations

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Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW

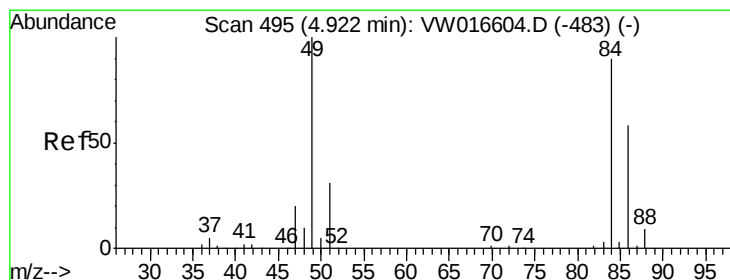
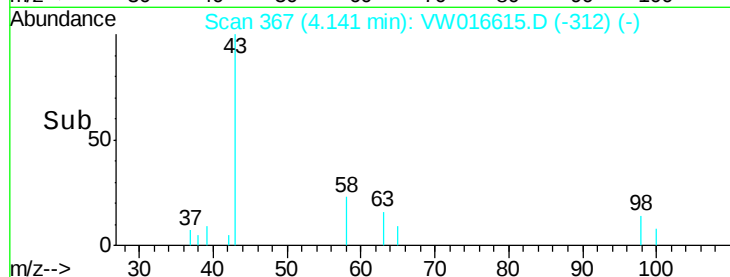
1500

1000

500

0

Time-->



#16

Methylene chloride

Concen: 3.377 ug/L

RT: 4.92 min Scan# 495

Delta R.T. 0.00 min

Lab File: VW016615.D

Acq: 22 Sep 2020 17:05

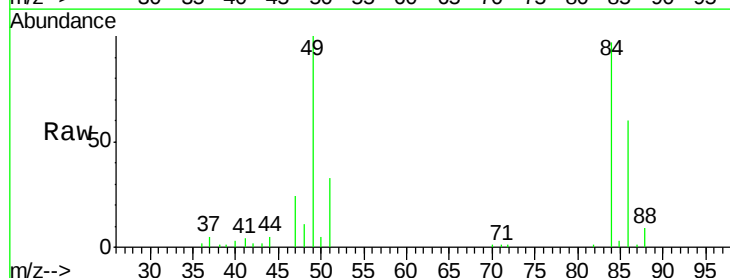
Tgt Ion: 84 Resp: 28261

Ion Ratio Lower Upper

84 100

49 102.7 76.0 141.2

86 62.1 45.6 84.6



Abundance Ion 84.00 (83.70 to 84.70): VW

Ion 49.00 (48.70 to 49.70): VW

Ion 86.00 (85.70 to 86.70): VW

12000

10000

8000

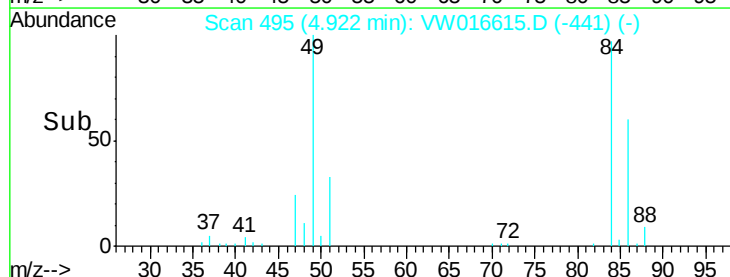
6000

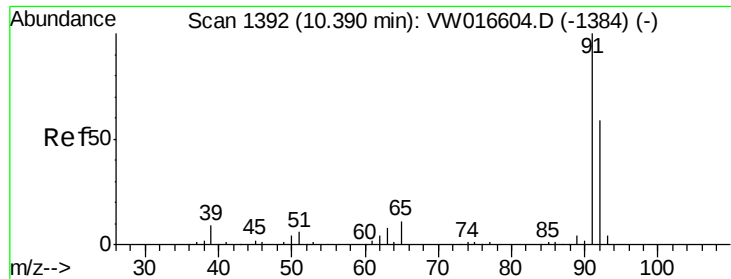
4000

2000

0

Time-->





#44  
Toluene  
Concen: 0.231 ug/L  
RT: 10.39 min Scan# 1392  
Delta R.T. 0.00 min  
Lab File: VW016615.D  
Acq: 22 Sep 2020 17:05

Instrument :  
MSVOA\_W  
ClientSampleId :  
VIBLK02

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 91      | 100   |       |       |
| 92      | 50.9  | 39.6  | 73.6  |

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