

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW111020\  
 Data File : VW017142.D  
 Acq On : 10 Nov 2020 16:00  
 Operator : SY/VA  
 Sample : VIBLK18  
 Misc : 5.00G/10ML/MSVOA W/SOIL  
 ALS Vial : 17 Sample Multiplier: 1

Instrument :  
 MSVOA\_W  
 ClientSampleId :  
 VIBLK18

Manual Integrations  
 APPROVED

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 11/12/2020 1:42:59 PM

Quant Time: Nov 11 06:22:23 2020  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_W\METHOD\SOM2WLM110420S.M  
 Quant Title : VOC Analysis  
 QLast Update : Wed Nov 11 05:30:56 2020  
 Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|----------------------------|-------|------|----------|-------|-------|----------|
| 1) 1,4-Difluorobenzene     | 8.85  | 114  | 426410   | 25.00 | ug/L  | 0.00     |
| 28) Chlorobenzene-d5       | 11.63 | 117  | 393337   | 25.00 | ug/L  | 0.00     |
| 60) 1,4-Dichlorobenzene-d4 | 13.56 | 152  | 181122   | 25.00 | ug/L  | 0.00     |

## System Monitoring Compounds

|                                |        |       |          |          |      |         |
|--------------------------------|--------|-------|----------|----------|------|---------|
| 4) Vinyl Chloride-d3           | 2.35   | 65    | 145841   | 27.15    | ug/L | 0.00    |
| Spiked Amount                  | 25.000 | Range | 30 - 150 | Recovery | =    | 108.60% |
| 7) Chloroethane-d5             | 2.90   | 69    | 119340   | 28.83    | ug/L | 0.00    |
| Spiked Amount                  | 25.000 | Range | 30 - 150 | Recovery | =    | 115.32% |
| 10) 1,1-Dichloroethene-d2      | 4.02   | 63    | 187885m  | 19.56    | ug/L | 0.00    |
| Spiked Amount                  | 25.000 | Range | 45 - 110 | Recovery | =    | 78.24%  |
| 20) 2-Butanone-d5              | 7.09   | 46    | 52129    | 43.40    | ug/L | 0.00    |
| Spiked Amount                  | 50.000 | Range | 20 - 135 | Recovery | =    | 86.80%  |
| 24) Chloroform-d               | 7.65   | 84    | 283020   | 28.43    | ug/L | 0.00    |
| Spiked Amount                  | 25.000 | Range | 40 - 150 | Recovery | =    | 113.72% |
| 26) 1,2-Dichloroethane-d4      | 8.31   | 65    | 138453   | 27.98    | ug/L | 0.00    |
| Spiked Amount                  | 25.000 | Range | 70 - 130 | Recovery | =    | 111.92% |
| 29) Benzene-d6                 | 8.28   | 84    | 551292   | 27.52    | ug/L | 0.00    |
| Spiked Amount                  | 25.000 | Range | 20 - 135 | Recovery | =    | 110.08% |
| 33) 1,2-Dichloropropane-d6     | 9.28   | 67    | 156657   | 28.28    | ug/L | 0.00    |
| Spiked Amount                  | 25.000 | Range | 70 - 120 | Recovery | =    | 113.12% |
| 37) Toluene-d8                 | 10.33  | 98    | 517986   | 27.43    | ug/L | 0.00    |
| Spiked Amount                  | 25.000 | Range | 30 - 130 | Recovery | =    | 109.72% |
| 38) trans-1,3-Dichloropropene- | 10.58  | 79    | 61176    | 24.49    | ug/L | 0.00    |
| Spiked Amount                  | 25.000 | Range | 30 - 135 | Recovery | =    | 97.96%  |
| 39) 2-Hexanone-d5              | 10.93  | 63    | 41519    | 42.94    | ug/L | 0.00    |
| Spiked Amount                  | 50.000 | Range | 20 - 135 | Recovery | =    | 85.88%  |
| 48) 1,1,2,2-Tetrachloroethane- | 12.69  | 84    | 119981   | 24.86    | ug/L | 0.00    |
| Spiked Amount                  | 25.000 | Range | 45 - 120 | Recovery | =    | 99.44%  |
| 61) 1,2-Dichlorobenzene-d4     | 13.85  | 152   | 182632   | 28.62    | ug/L | 0.00    |
| Spiked Amount                  | 25.000 | Range | 75 - 120 | Recovery | =    | 114.48% |

| Target Compounds         |       |    |      |              | Ovalue |
|--------------------------|-------|----|------|--------------|--------|
| 16) Methylene chloride   | 4.92  | 84 | 8337 | 1.450 ug/L   | 95     |
| 43) 4-Methyl-2-pentanone | 10.21 | 43 | 2599 | 0.873 ug/L # | 78     |
| 44) Toluene              | 10.39 | 91 | 5344 | 0.235 ug/L   | 98     |

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

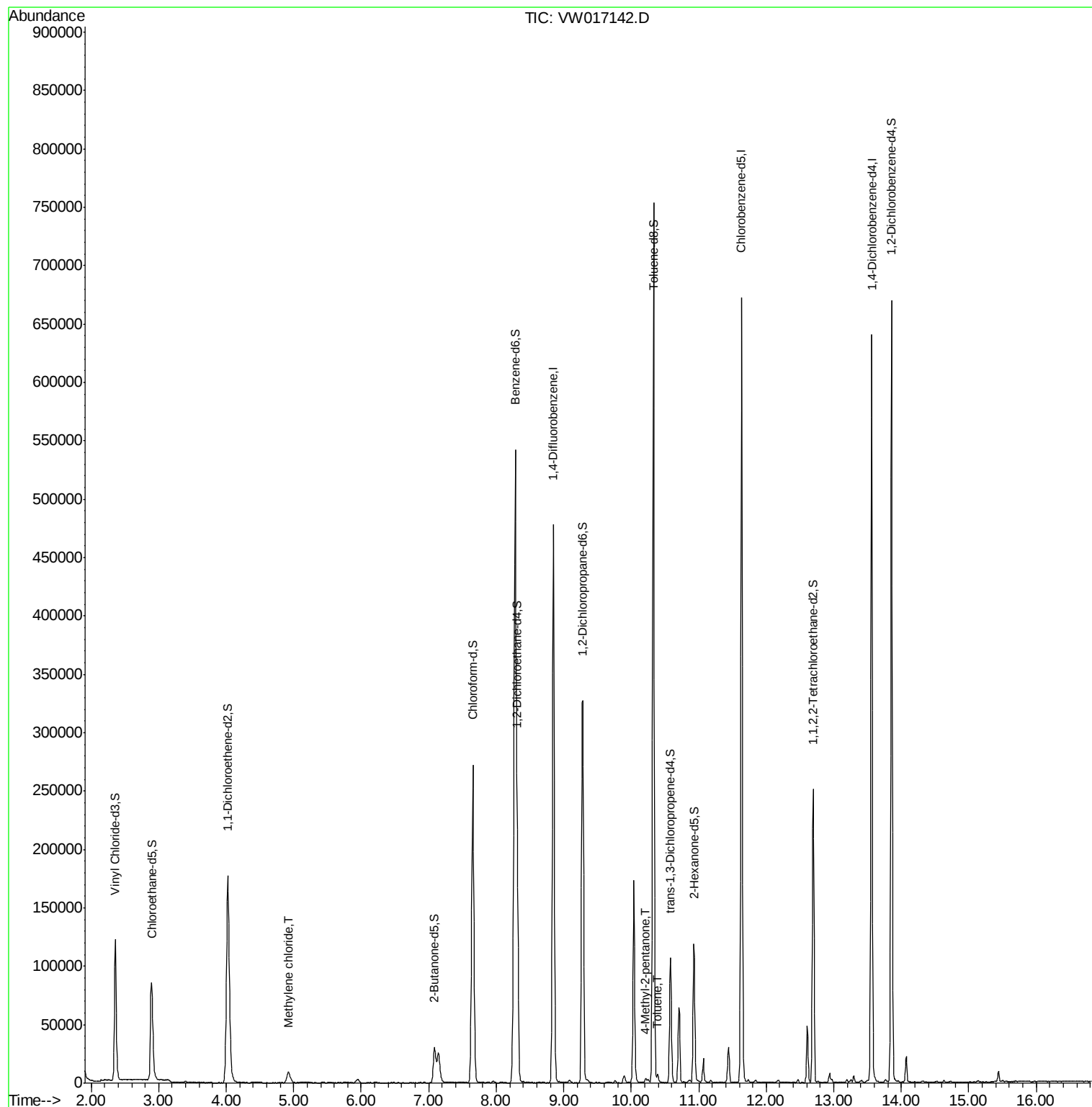
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA W\DATA\VW111020\  
Data File : VW017142.D  
Acq On : 10 Nov 2020 16:00  
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ALS Vial : 17 Sample Multiplier: 1

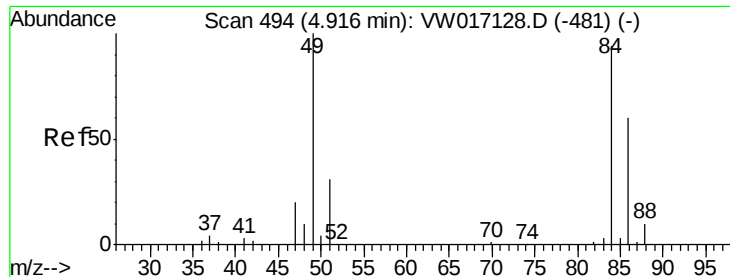
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Quant Time: Nov 11 06:22:23 2020  
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA\_W\METHOD\SOM2WLM110420S.M  
Quant Title : VOC Analysis  
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Response via : Initial Calibration





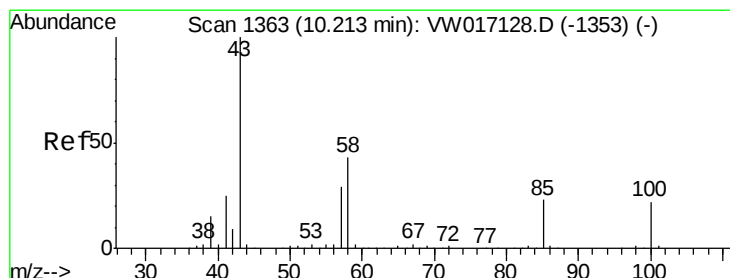
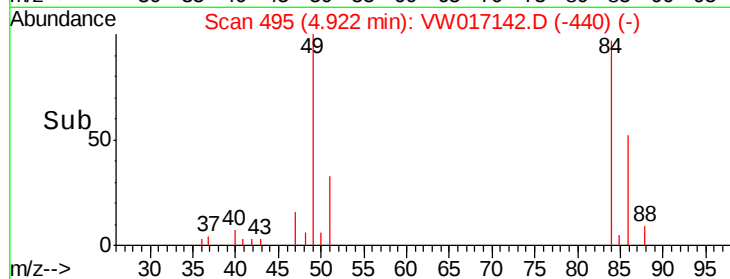
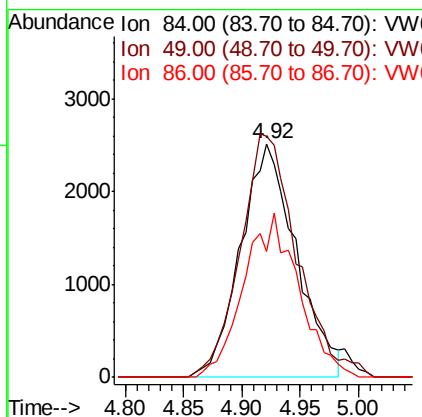
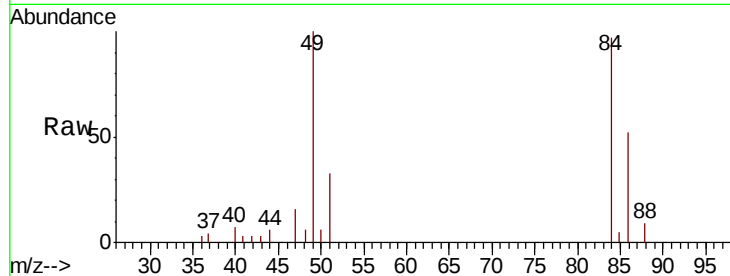
#16  
Methylene chloride  
Concen: 1.450 ug/L  
RT: 4.92 min Scan# 495  
Delta R.T. 0.01 min  
Lab File: VW017142.D  
Acq: 10 Nov 2020 16:00

Instrument :  
MSVOA\_W  
ClientSampleId :  
VIBLK18

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 84      | 100   |       |       |
| 49      | 103.4 | 72.3  | 134.3 |
| 86      | 53.9  | 45.1  | 83.7  |

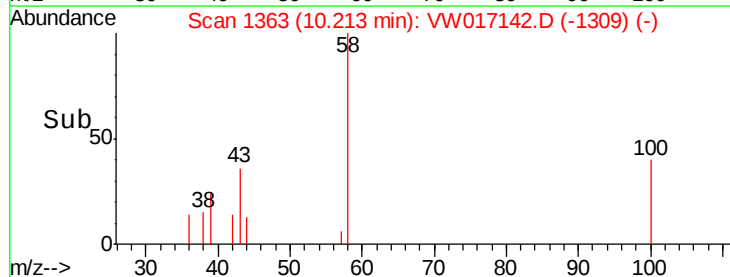
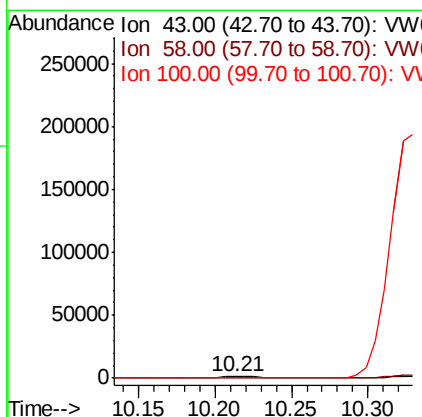
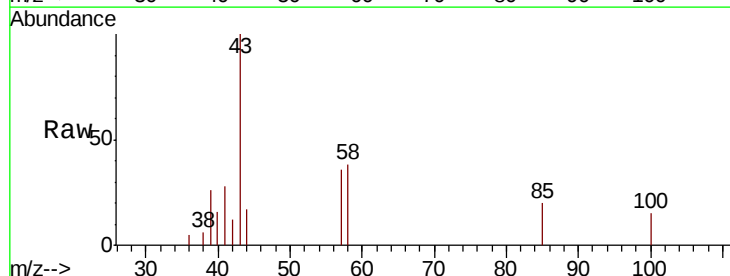
Manual Integrations  
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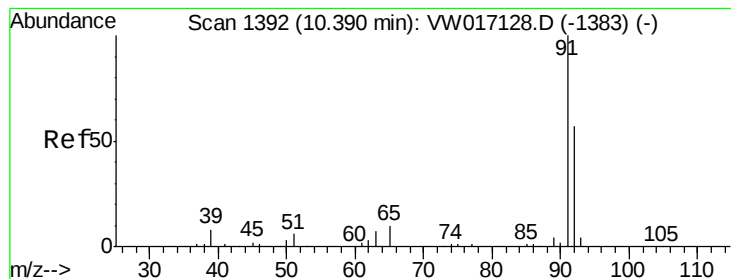
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#43  
4-Methyl-2-pentanone  
Concen: 0.873 ug/L  
RT: 10.21 min Scan# 1363  
Delta R.T. -0.00 min  
Lab File: VW017142.D  
Acq: 10 Nov 2020 16:00

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 43      | 100   |       |       |
| 58      | 26.2  | 35.0  | 52.6# |
| 100     | 15.7  | 16.6  | 24.8# |





#44

Toluene

Concen: 0.235 ug/L

RT: 10.39 min Scan# 1392

Delta R.T. -0.00 min

Lab File: VW017142.D

Acq: 10 Nov 2020 16:00

Instrument :

MSVOA\_W

ClientSampleId :

VIBLK18

Tot Ion: 91 Resp: 5344

Ion Ratio Lower Upper

91 100

92 60.9 41.4 76.8

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