

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW111220\  
 Data File : VW017179.D  
 Acq On : 12 Nov 2020 13:00  
 Operator : SY/VA  
 Sample : VIBLK29  
 Misc : 5.00G/10ML/MSVOA W/SOIL  
 ALS Vial : 6 Sample Multiplier: 1

Instrument :  
 MSVOA\_W  
 ClientSampleId :  
 VIBLK29

Manual Integrations  
 APPROVED

MMDadoda  
 11/18/2020 10:51:08 AM

Quant Time: Nov 13 04:40:34 2020  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_W\METHOD\SOM2WLM110420S.M  
 Quant Title : VOC Analysis  
 QLast Update : Fri Nov 13 04:11:30 2020  
 Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|----------------------------|-------|------|----------|-------|-------|----------|
| 1) 1,4-Difluorobenzene     | 8.85  | 114  | 422204   | 25.00 | ug/L  | 0.00     |
| 28) Chlorobenzene-d5       | 11.63 | 117  | 399371   | 25.00 | ug/L  | 0.00     |
| 60) 1,4-Dichlorobenzene-d4 | 13.56 | 152  | 182422   | 25.00 | ug/L  | 0.00     |

## System Monitoring Compounds

|                                |        |       |          |          |      |         |
|--------------------------------|--------|-------|----------|----------|------|---------|
| 4) Vinyl Chloride-d3           | 2.36   | 65    | 127367   | 23.95    | ug/L | 0.00    |
| Spiked Amount                  | 25.000 | Range | 30 - 150 | Recovery | =    | 95.80%  |
| 7) Chloroethane-d5             | 2.90   | 69    | 109147   | 26.63    | ug/L | 0.00    |
| Spiked Amount                  | 25.000 | Range | 30 - 150 | Recovery | =    | 106.52% |
| 10) 1,1-Dichloroethene-d2      | 4.02   | 63    | 172028   | 18.09    | ug/L | 0.00    |
| Spiked Amount                  | 25.000 | Range | 45 - 110 | Recovery | =    | 72.36%  |
| 20) 2-Butanone-d5              | 7.09   | 46    | 59552    | 50.08    | ug/L | 0.00    |
| Spiked Amount                  | 50.000 | Range | 20 - 135 | Recovery | =    | 100.16% |
| 24) Chloroform-d               | 7.65   | 84    | 259502   | 26.33    | ug/L | 0.00    |
| Spiked Amount                  | 25.000 | Range | 40 - 150 | Recovery | =    | 105.32% |
| 26) 1,2-Dichloroethane-d4      | 8.31   | 65    | 134855   | 27.52    | ug/L | 0.00    |
| Spiked Amount                  | 25.000 | Range | 70 - 130 | Recovery | =    | 110.08% |
| 29) Benzene-d6                 | 8.28   | 84    | 499317   | 24.55    | ug/L | 0.00    |
| Spiked Amount                  | 25.000 | Range | 20 - 135 | Recovery | =    | 98.20%  |
| 33) 1,2-Dichloropropane-d6     | 9.28   | 67    | 142034   | 25.25    | ug/L | 0.00    |
| Spiked Amount                  | 25.000 | Range | 70 - 120 | Recovery | =    | 101.00% |
| 37) Toluene-d8                 | 10.33  | 98    | 462818   | 24.13    | ug/L | 0.00    |
| Spiked Amount                  | 25.000 | Range | 30 - 130 | Recovery | =    | 96.52%  |
| 38) trans-1,3-Dichloropropene- | 10.59  | 79    | 60436    | 23.83    | ug/L | 0.00    |
| Spiked Amount                  | 25.000 | Range | 30 - 135 | Recovery | =    | 95.32%  |
| 39) 2-Hexanone-d5              | 10.93  | 63    | 48401    | 49.30    | ug/L | 0.00    |
| Spiked Amount                  | 50.000 | Range | 20 - 135 | Recovery | =    | 98.60%  |
| 48) 1,1,2,2-Tetrachloroethane- | 12.69  | 84    | 126588   | 25.83    | ug/L | 0.00    |
| Spiked Amount                  | 25.000 | Range | 45 - 120 | Recovery | =    | 103.32% |
| 61) 1,2-Dichlorobenzene-d4     | 13.85  | 152   | 174961   | 27.22    | ug/L | 0.00    |
| Spiked Amount                  | 25.000 | Range | 75 - 120 | Recovery | =    | 108.88% |

| Target Compounds         |       |     |        |       | Ovalue |
|--------------------------|-------|-----|--------|-------|--------|
| 16) Methylene chloride   | 4.93  | 84  | 11238m | 1.974 | ug/L   |
| 43) 4-Methyl-2-pentanone | 10.21 | 43  | 2182   | 0.721 | ug/L   |
| 47) Tetrachloroethene    | 10.87 | 164 | 19326  | 3.646 | ug/L   |

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

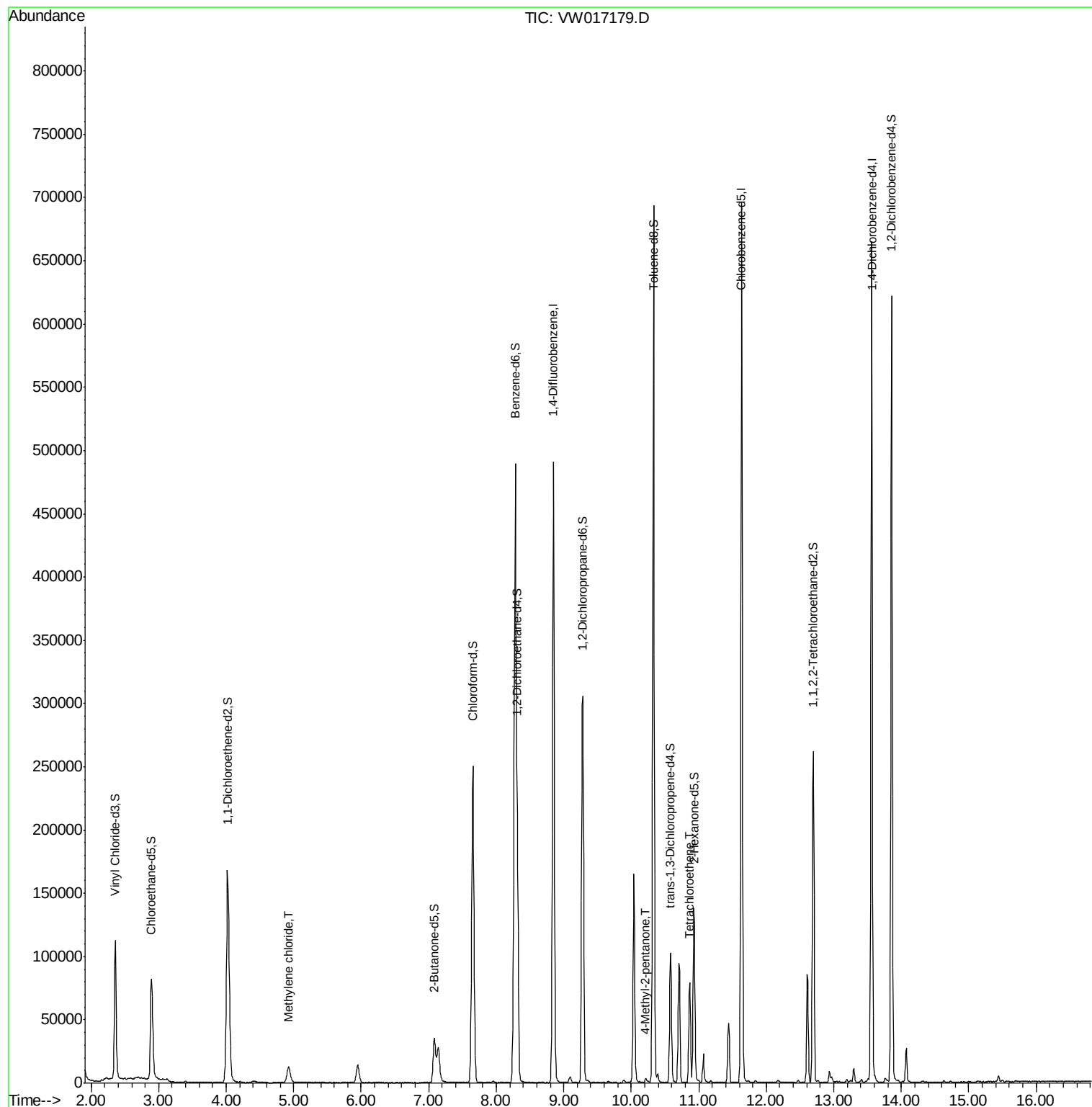
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA W\DATA\VW111220\  
Data File : VW017179.D  
Acq On : 12 Nov 2020 13:00  
Operator : SY/VA  
Sample : VIBLK29  
Misc : 5.00G/10ML/MSVOA W/SOIL  
ALS Vial : 6 Sample Multiplier: 1

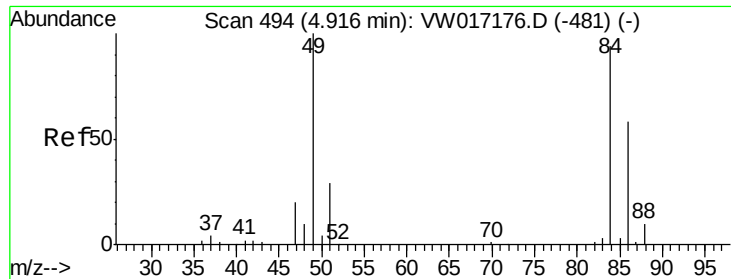
Instrument :  
MSVOA\_W  
ClientSampleId :  
VIBLK29

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Quant Time: Nov 13 04:40:34 2020  
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA\_W\METHOD\SOM2WLM110420S.M  
Quant Title : VOC Analysis  
QLast Update : Fri Nov 13 04:11:30 2020  
Response via : Initial Calibration





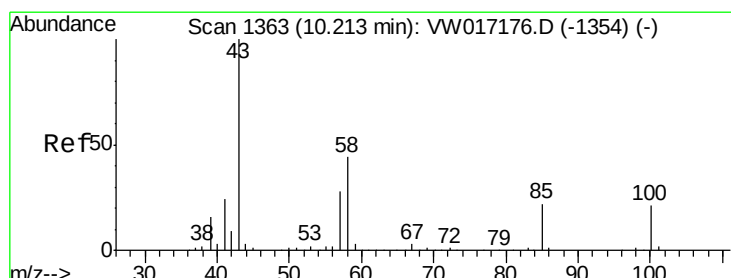
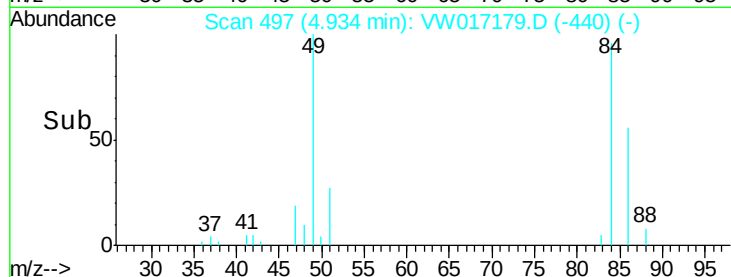
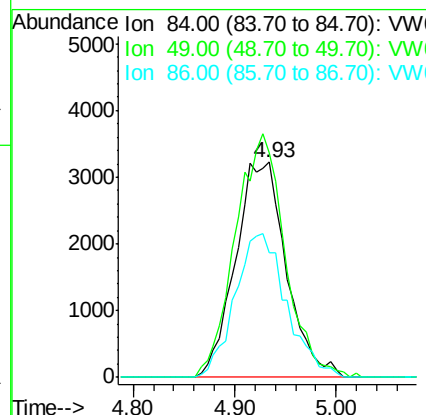
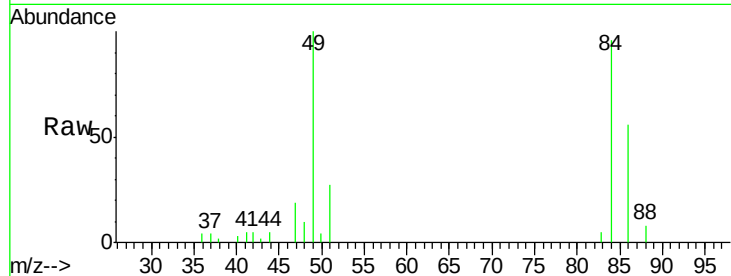
#16  
Methylene chloride  
Concen: 1.974 ug/L m  
RT: 4.93 min Scan# 497  
Delta R.T. 0.02 min  
Lab File: VW017179.D  
Acq: 12 Nov 2020 13:00

Instrument :  
MSVOA\_W  
ClientSampleId :  
VIBLK29

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 84      | 100   |       |       |
| 49      | 104.0 | 72.3  | 134.3 |
| 86      | 58.0  | 45.1  | 83.7  |

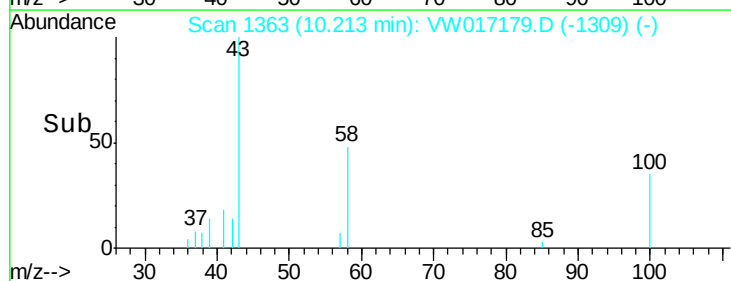
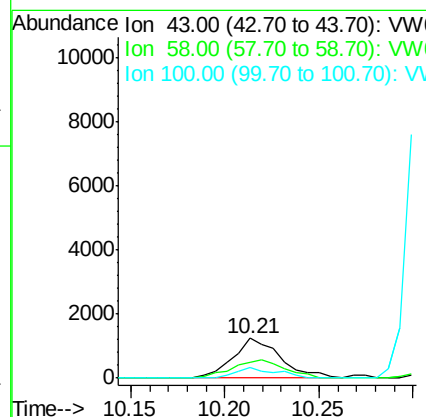
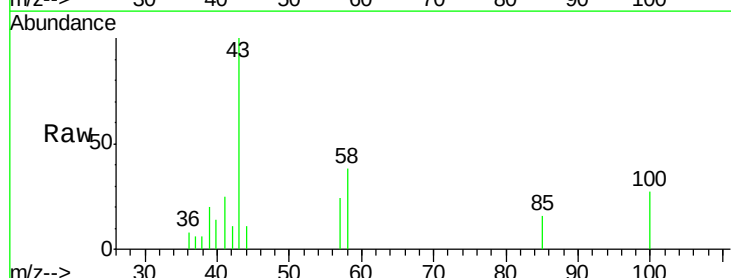
Manual Integrations  
APPROVED

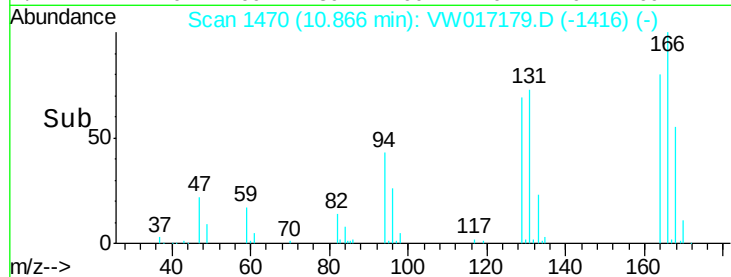
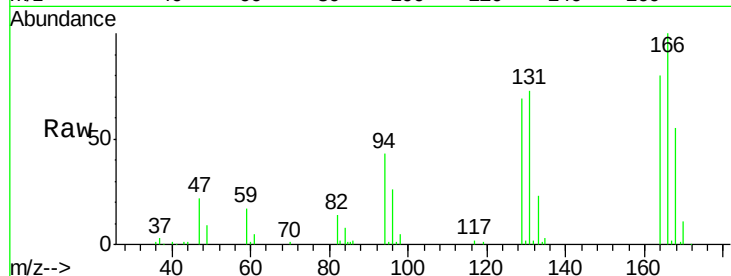
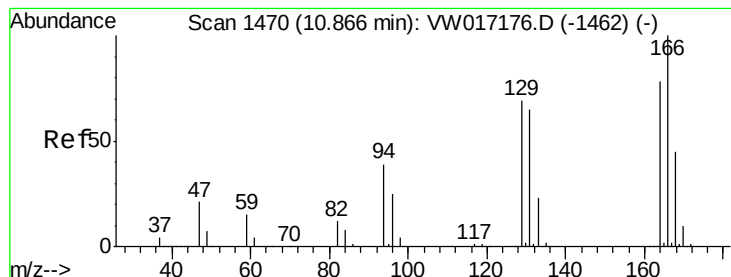
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#43  
4-Methyl-2-pentanone  
Concen: 0.721 ug/L  
RT: 10.21 min Scan# 1363  
Delta R.T. 0.00 min  
Lab File: VW017179.D  
Acq: 12 Nov 2020 13:00

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 43      | 100   |       |       |
| 58      | 49.5  | 35.0  | 52.6  |
| 100     | 17.0  | 16.6  | 24.8  |





#47

Tetrachloroethene

Concen: 3.646 ug/L

RT: 10.87 min Scan# 1470

Delta R.T. 0.00 min

Lab File: VW017179.D

Acq: 12 Nov 2020 13:00

Instrument :

MSVOA\_W

ClientSampleId :

VIBLK29

Tot Ion:164 Resp: 19326

Ion Ratio Lower Upper

164 100

129 87.2 62.9 116.7

131 92.3 63.3 117.5

166 125.8 92.0 170.8

Manual Integrations

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