

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW022620\  
 Data File : VW015042.D  
 Acq On : 26 Feb 2020 13:01  
 Operator : SY/VA  
 Sample : L1677-04  
 Misc : 4.58G/10ML/MSVOA W/SOIL  
 ALS Vial : 6 Sample Multiplier: 1

Instrument :  
 MSVOA\_W  
 ClientSampleId :  
 C0CC8

Manual Integrations  
 APPROVED

MMDadoda  
 2/27/2020 3:37:21 PM

Quant Time: Feb 27 02:58:57 2020  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_W\METHOD\SOM2WLM022420S.M  
 Quant Title : VOC Analysis  
 QLast Update : Thu Feb 27 02:01:40 2020  
 Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|----------------------------|-------|------|----------|-------|-------|----------|
| 1) 1,4-Difluorobenzene     | 8.84  | 114  | 685315   | 25.00 | ug/L  | 0.00     |
| 28) Chlorobenzene-d5       | 11.63 | 117  | 591951   | 25.00 | ug/L  | 0.00     |
| 60) 1,4-Dichlorobenzene-d4 | 13.56 | 152  | 169181   | 25.00 | ug/L  | 0.00     |

## System Monitoring Compounds

|                                |        |       |          |          |      |         |
|--------------------------------|--------|-------|----------|----------|------|---------|
| 4) Vinyl Chloride-d3           | 2.36   | 65    | 412198   | 24.04    | ug/L | 0.00    |
| Spiked Amount                  | 25.000 | Range | 30 - 150 | Recovery | =    | 96.16%  |
| 7) Chloroethane-d5             | 2.89   | 69    | 300357   | 24.31    | ug/L | 0.00    |
| Spiked Amount                  | 25.000 | Range | 30 - 150 | Recovery | =    | 97.24%  |
| 10) 1,1-Dichloroethene-d2      | 4.02   | 63    | 493334   | 18.49    | ug/L | 0.00    |
| Spiked Amount                  | 25.000 | Range | 45 - 110 | Recovery | =    | 73.96%  |
| 20) 2-Butanone-d5              | 7.07   | 46    | 142402   | 49.70    | ug/L | 0.00    |
| Spiked Amount                  | 50.000 | Range | 20 - 135 | Recovery | =    | 99.40%  |
| 24) Chloroform-d               | 7.65   | 84    | 567336m  | 25.20    | ug/L | 0.00    |
| Spiked Amount                  | 25.000 | Range | 40 - 150 | Recovery | =    | 100.80% |
| 26) 1,2-Dichloroethane-d4      | 8.31   | 65    | 316444m  | 25.12    | ug/L | 0.00    |
| Spiked Amount                  | 25.000 | Range | 70 - 130 | Recovery | =    | 100.48% |
| 29) Benzene-d6                 | 8.27   | 84    | 1109627  | 27.28    | ug/L | 0.00    |
| Spiked Amount                  | 25.000 | Range | 20 - 135 | Recovery | =    | 109.12% |
| 33) 1,2-Dichloropropane-d6     | 9.27   | 67    | 383006   | 28.13    | ug/L | 0.00    |
| Spiked Amount                  | 25.000 | Range | 70 - 120 | Recovery | =    | 112.52% |
| 37) Toluene-d8                 | 10.32  | 98    | 910436   | 26.83    | ug/L | 0.00    |
| Spiked Amount                  | 25.000 | Range | 30 - 130 | Recovery | =    | 107.32% |
| 38) trans-1,3-Dichloropropene- | 10.58  | 79    | 118150   | 23.47    | ug/L | 0.00    |
| Spiked Amount                  | 25.000 | Range | 30 - 135 | Recovery | =    | 93.88%  |
| 39) 2-Hexanone-d5              | 10.92  | 63    | 89391    | 49.58    | ug/L | 0.00    |
| Spiked Amount                  | 50.000 | Range | 20 - 135 | Recovery | =    | 99.16%  |
| 48) 1,1,2,2-Tetrachloroethane- | 12.69  | 84    | 216636   | 24.62    | ug/L | 0.00    |
| Spiked Amount                  | 25.000 | Range | 45 - 120 | Recovery | =    | 98.48%  |
| 61) 1,2-Dichlorobenzene-d4     | 13.85  | 152   | 182883   | 29.50    | ug/L | 0.00    |
| Spiked Amount                  | 25.000 | Range | 75 - 120 | Recovery | =    | 118.00% |

| Target Compounds |      |    |        |             | Ovalue |
|------------------|------|----|--------|-------------|--------|
| 13) Acetone      | 4.13 | 43 | 52775  | 15.573 ug/L | 93     |
| 21) 2-Butanone   | 7.18 | 43 | 16038m | 4.024 ug/L  |        |

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

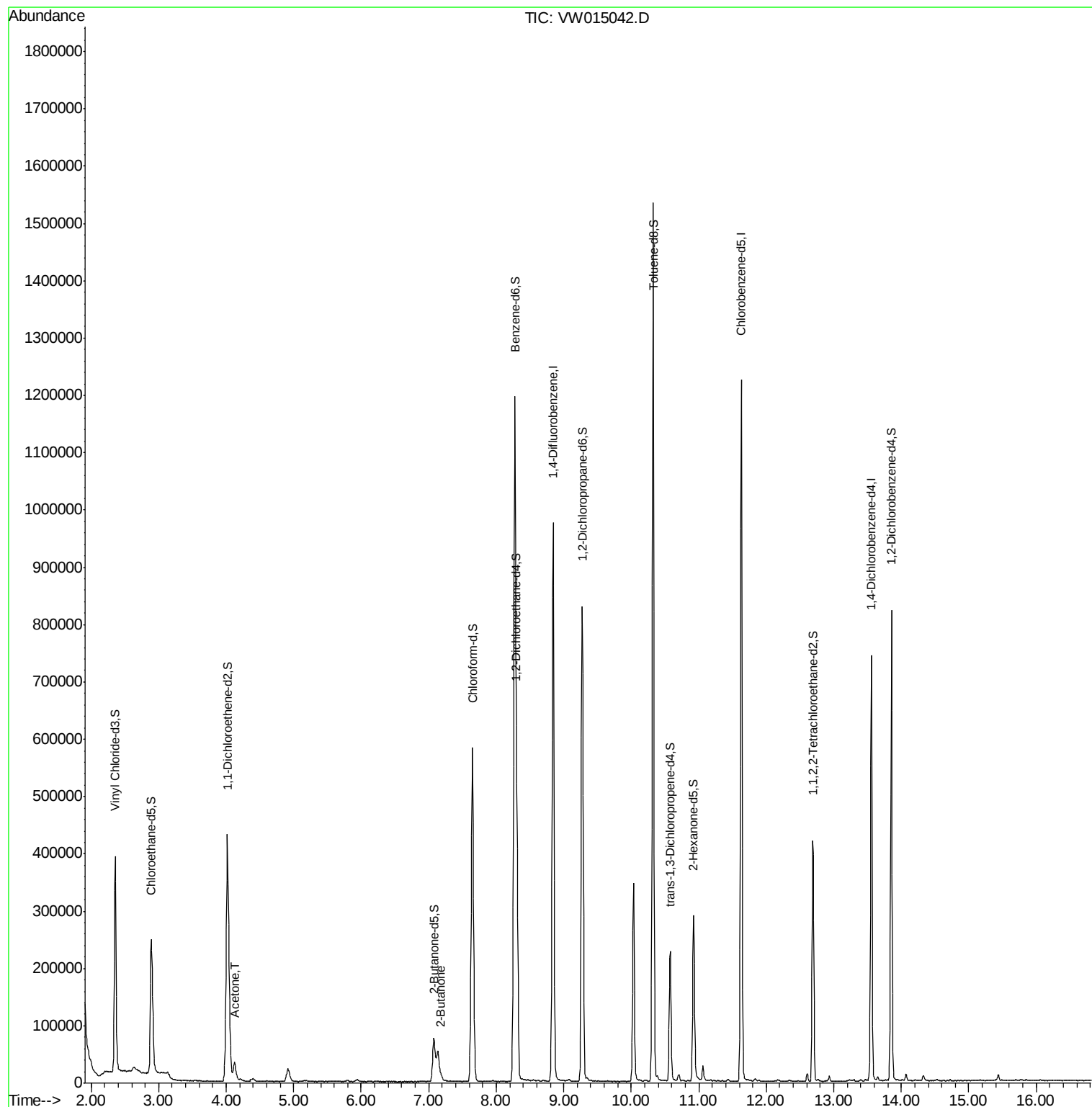
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA W\DATA\VW022620\  
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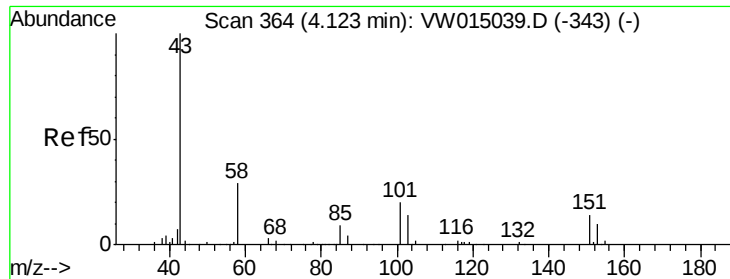
Instrument :  
MSVOA\_W  
ClientSampleId :  
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Quant Title : VOC Analysis  
QLast Update : Thu Feb 27 02:01:40 2020  
Response via : Initial Calibration





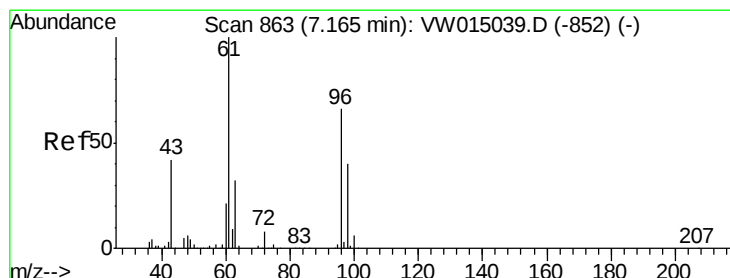
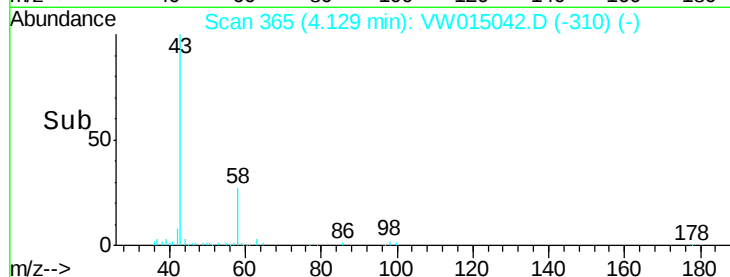
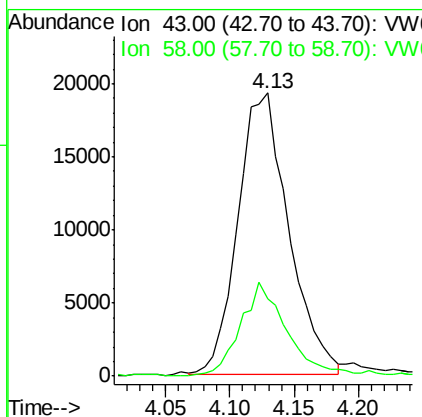
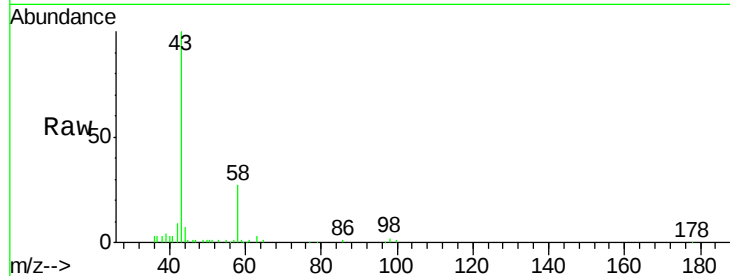
#13  
Acetone  
Concen: 15.573 ug/L  
RT: 4.13 min Scan# 365  
Delta R.T. 0.01 min  
Lab File: VW015042.D  
Acq: 26 Feb 2020 13:01

Instrument :  
MSVOA\_W  
ClientSampled :  
C0CC8

| Tot Ion   | 43    | Resp  | 52775 |
|-----------|-------|-------|-------|
| Ion Ratio | Lower | Upper |       |
| 43        | 100   |       |       |
| 58        | 30.4  | 0.0   | 54.0  |

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#21  
2-Butanone  
Concen: 4.024 ug/L m  
RT: 7.18 min Scan# 865  
Delta R.T. 0.01 min  
Lab File: VW015042.D  
Acq: 26 Feb 2020 13:01

| Tgt Ion   | 43    | Resp  | 16038 |
|-----------|-------|-------|-------|
| Ion Ratio | Lower | Upper |       |
| 43        | 100   |       |       |
| 72        | 18.1  | 10.4  | 31.4  |

