

Data Path : Z:\voasrv\HPCHEM1\MSVOA W\Data\VW011321\  
 Data File : VW017858.D  
 Acq On : 13 Jan 2021 19:26  
 Operator : SY/VA  
 Sample : M1132-01  
 Misc : 5.48G/10ML/MSVOA W/SOIL  
 ALS Vial : 15 Sample Multiplier: 1

Instrument :  
 MSVOA\_W  
 ClientSampleId :  
 F1A00

Manual Integrations  
 APPROVED

MMDadoda  
 1/15/2021 4:07:10 PM

Quant Time: Jan 14 15:48:00 2021  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_W\METHOD\SOM2WLM122420S.M  
 Quant Title : VOC Analysis  
 QLast Update : Thu Jan 14 11:39:57 2021  
 Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|----------------------------|-------|------|----------|-------|-------|----------|
| 1) 1,4-Difluorobenzene     | 8.84  | 114  | 297094   | 25.00 | ug/L  | 0.00     |
| 28) Chlorobenzene-d5       | 11.63 | 117  | 264950   | 25.00 | ug/L  | 0.00     |
| 60) 1,4-Dichlorobenzene-d4 | 13.56 | 152  | 111659   | 25.00 | ug/L  | 0.00     |

## System Monitoring Compounds

|                                |        |       |          |          |      |         |
|--------------------------------|--------|-------|----------|----------|------|---------|
| 4) Vinyl Chloride-d3           | 2.35   | 65    | 113217   | 24.63    | ug/L | 0.00    |
| Spiked Amount                  | 25.000 | Range | 30 - 150 | Recovery | =    | 98.52%  |
| 7) Chloroethane-d5             | 2.89   | 69    | 93784    | 24.72    | ug/L | 0.00    |
| Spiked Amount                  | 25.000 | Range | 30 - 150 | Recovery | =    | 98.88%  |
| 10) 1,1-Dichloroethene-d2      | 4.02   | 63    | 148420   | 18.53    | ug/L | 0.00    |
| Spiked Amount                  | 25.000 | Range | 45 - 110 | Recovery | =    | 74.12%  |
| 20) 2-Butanone-d5              | 7.08   | 46    | 42375    | 56.88    | ug/L | 0.00    |
| Spiked Amount                  | 50.000 | Range | 20 - 135 | Recovery | =    | 113.76% |
| 24) Chloroform-d               | 7.65   | 84    | 199918m  | 25.75    | ug/L | 0.00    |
| Spiked Amount                  | 25.000 | Range | 40 - 150 | Recovery | =    | 103.00% |
| 26) 1,2-Dichloroethane-d4      | 8.31   | 65    | 111938   | 27.86    | ug/L | 0.00    |
| Spiked Amount                  | 25.000 | Range | 70 - 130 | Recovery | =    | 111.44% |
| 29) Benzene-d6                 | 8.27   | 84    | 392165   | 26.28    | ug/L | 0.00    |
| Spiked Amount                  | 25.000 | Range | 20 - 135 | Recovery | =    | 105.12% |
| 33) 1,2-Dichloropropane-d6     | 9.27   | 67    | 114348   | 27.80    | ug/L | 0.00    |
| Spiked Amount                  | 25.000 | Range | 70 - 120 | Recovery | =    | 111.20% |
| 37) Toluene-d8                 | 10.32  | 98    | 352940   | 24.62    | ug/L | 0.00    |
| Spiked Amount                  | 25.000 | Range | 30 - 130 | Recovery | =    | 98.48%  |
| 38) trans-1,3-Dichloropropene- | 10.58  | 79    | 43175    | 23.54    | ug/L | 0.00    |
| Spiked Amount                  | 25.000 | Range | 30 - 135 | Recovery | =    | 94.16%  |
| 39) 2-Hexanone-d5              | 10.93  | 63    | 29299    | 56.71    | ug/L | 0.00    |
| Spiked Amount                  | 50.000 | Range | 20 - 135 | Recovery | =    | 113.42% |
| 48) 1,1,2,2-Tetrachloroethane- | 12.69  | 84    | 81051    | 26.54    | ug/L | 0.00    |
| Spiked Amount                  | 25.000 | Range | 45 - 120 | Recovery | =    | 106.16% |
| 61) 1,2-Dichlorobenzene-d4     | 13.85  | 152   | 100353   | 25.81    | ug/L | 0.00    |
| Spiked Amount                  | 25.000 | Range | 75 - 120 | Recovery | =    | 103.24% |

| Target Compounds       |      |    |       |            | Ovalue |
|------------------------|------|----|-------|------------|--------|
| 13) Acetone            | 4.12 | 43 | 2859m | 4.444 ug/L |        |
| 16) Methylene chloride | 4.93 | 84 | 8251  | 1.942 ug/L | 87     |

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

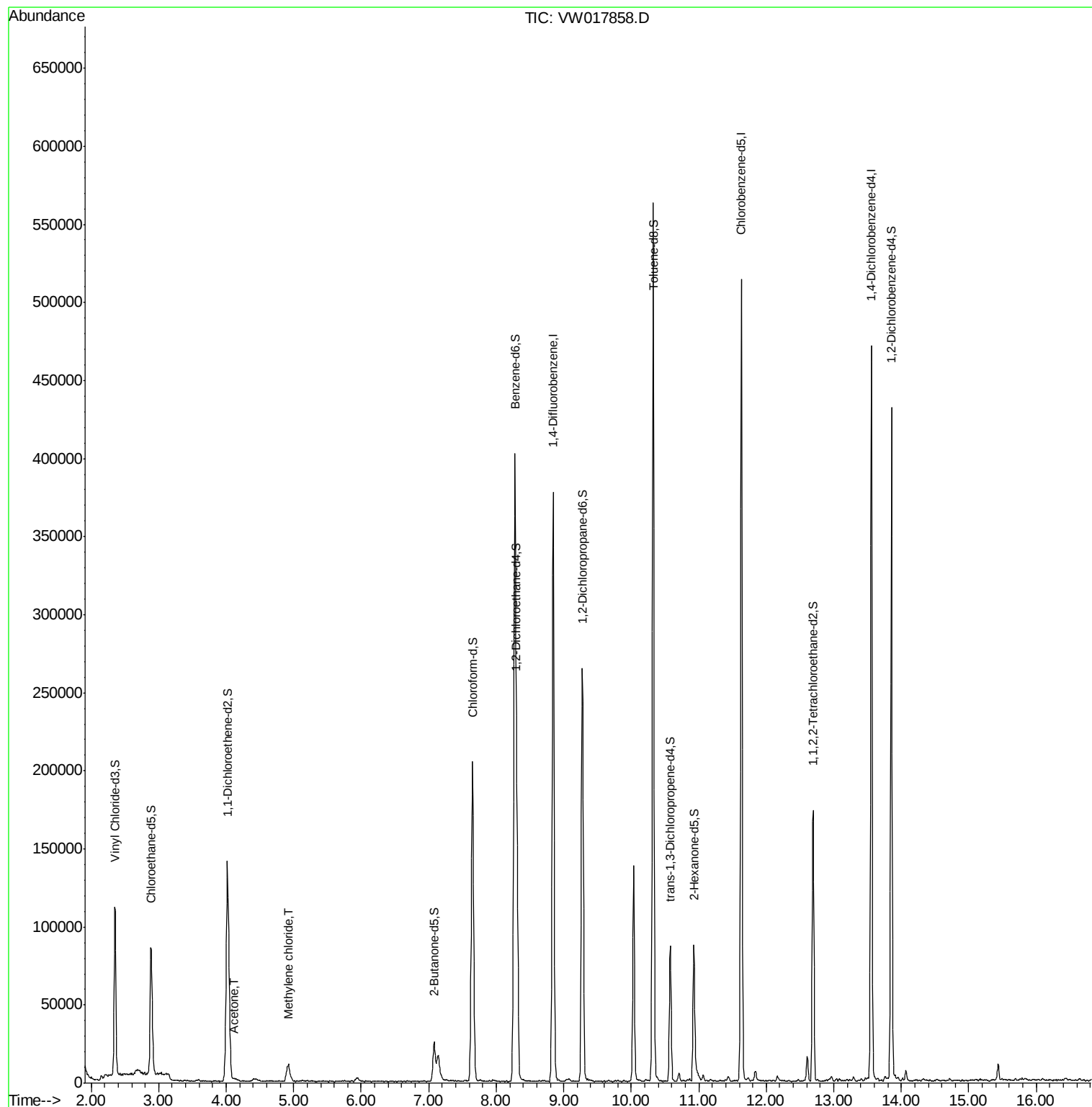
Data Path : Z:\voasrv\HPCHEM1\MSVOA W\Data\VW011321\  
Data File : VW017858.D  
Acq On : 13 Jan 2021 19:26  
Operator : SY/VA  
Sample : M1132-01  
Misc : 5.48G/10ML/MSVOA W/SOIL  
ALS Vial : 15 Sample Multiplier: 1

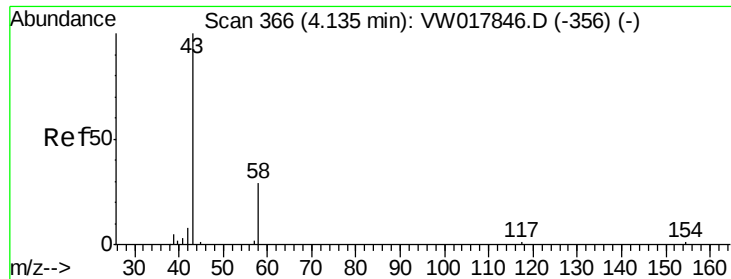
Instrument :  
MSVOA\_W  
ClientSampleId :  
F1A00

Manual Integrations  
APPROVED

MMDadoda  
1/15/2021 4:07:10 PM

Quant Time: Jan 14 15:48:00 2021  
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_W\METHOD\SOM2WLM122420S.M  
Quant Title : VOC Analysis  
QLast Update : Thu Jan 14 11:39:57 2021  
Response via : Initial Calibration





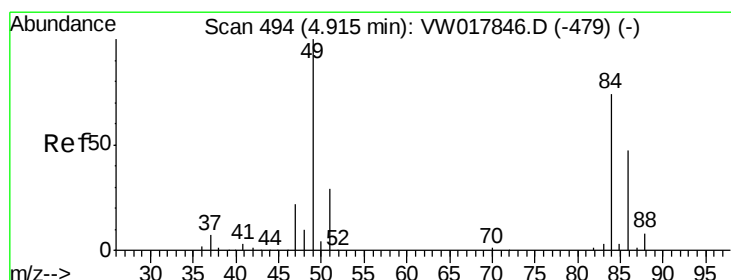
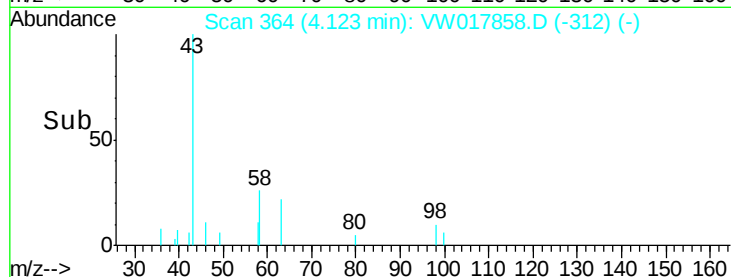
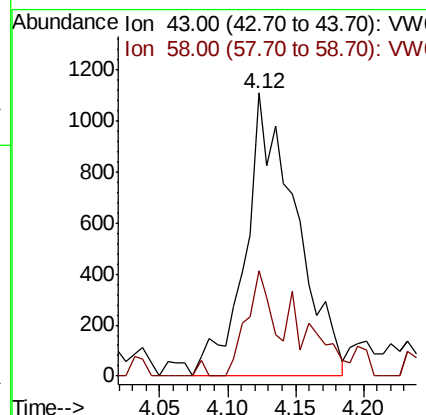
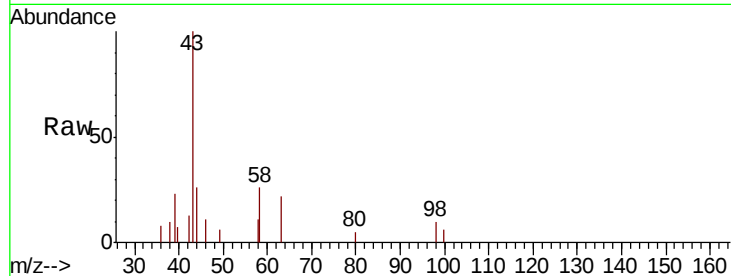
#13  
Acetone  
Concen: 4.444 ug/L m  
RT: 4.12 min Scan# 364  
Delta R.T. -0.01 min  
Lab File: VW017858.D  
Acq: 13 Jan 2021 19:26

Instrument :  
MSVOA\_W  
ClientSampled :  
F1A00

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 43      | 100   |       |       |
| 58      | 19.5  | 0.0   | 60.8  |

Manual Integrations  
APPROVED

MMDadoda  
1/15/2021 4:07:10 PM



#16  
Methylene chloride  
Concen: 1.942 ug/L  
RT: 4.93 min Scan# 496  
Delta R.T. 0.01 min  
Lab File: VW017858.D  
Acq: 13 Jan 2021 19:26

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 84      | 100   |       |       |
| 49      | 111.5 | 90.5  | 168.1 |
| 86      | 70.0  | 44.8  | 83.2  |

