

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_W\Data\VW032321\  
 Data File : VW018432.D  
 Acq On : 23 Mar 2021 17:28  
 Operator : SY/VA  
 Sample : M1781-11  
 Misc : 5.80G/10ML/MSVOA\_W/SOIL  
 ALS Vial : 15 Sample Multiplier: 1

Instrument :  
 MSVOA\_W  
 ClientSampleId :  
 BG4S0

Manual Integrations  
 APPROVED

SAM  
 3/26/2021 6:06:07 PM

Quant Time: Mar 24 01:27:24 2021  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_W\Method\SOM2WLM031921S.M  
 Quant Title : VOC Analysis  
 QLast Update : Wed Mar 24 01:23:39 2021  
 Response via : Initial Calibration

| Compound                      | R.T.           | QIon | Response   | Conc   | Units  | Dev(Min) |
|-------------------------------|----------------|------|------------|--------|--------|----------|
| -----                         |                |      |            |        |        |          |
| Internal Standards            |                |      |            |        |        |          |
| 1) 1,4-Difluorobenzene        | 8.842          | 114  | 543120     | 25.00  | ug/L   | 0.00     |
| 28) Chlorobenzene-d5          | 11.628         | 117  | 473815     | 25.00  | ug/L   | 0.00     |
| 60) 1,4-Dichlorobenzene-d4    | 13.560         | 152  | 192121     | 25.00  | ug/L   | 0.00     |
|                               |                |      |            |        |        |          |
| System Monitoring Compounds   |                |      |            |        |        |          |
| 4) Vinyl Chloride-d3          | 2.355          | 65   | 162425     | 21.49  | ug/L   | 0.00     |
| Spiked Amount 25.000          | Range 30 - 150 |      | Recovery = | 85.96% |        |          |
| 7) Chloroethane-d5            | 2.892          | 69   | 153120     | 23.14  | ug/L   | 0.00     |
| Spiked Amount 25.000          | Range 30 - 150 |      | Recovery = | 92.56% |        |          |
| 10) 1,1-Dichloroethene-d2     | 4.019          | 63   | 212518     | 16.29  | ug/L   | 0.00     |
| Spiked Amount 25.000          | Range 45 - 110 |      | Recovery = | 65.16% |        |          |
| 20) 2-Butanone-d5             | 7.086          | 46   | 57687      | 34.28  | ug/L   | 0.01     |
| Spiked Amount 50.000          | Range 20 - 135 |      | Recovery = | 68.56% |        |          |
| 24) Chloroform-d              | 7.647          | 84   | 282093     | 20.39  | ug/L   | 0.00     |
| Spiked Amount 25.000          | Range 40 - 150 |      | Recovery = | 81.56% |        |          |
| 26) 1,2-Dichloroethane-d4     | 8.311          | 65   | 159153     | 19.71  | ug/L   | 0.00     |
| Spiked Amount 25.000          | Range 70 - 130 |      | Recovery = | 78.84% |        |          |
| 29) Benzene-d6                | 8.275          | 84   | 543355     | 21.57  | ug/L   | 0.00     |
| Spiked Amount 25.000          | Range 20 - 135 |      | Recovery = | 86.28% |        |          |
| 33) 1,2-Dichloropropane-d6    | 9.274          | 67   | 155877     | 21.45  | ug/L   | 0.00     |
| Spiked Amount 25.000          | Range 70 - 120 |      | Recovery = | 85.80% |        |          |
| 37) Toluene-d8                | 10.323         | 98   | 492829     | 20.32  | ug/L   | 0.00     |
| Spiked Amount 25.000          | Range 30 - 130 |      | Recovery = | 81.28% |        |          |
| 38) trans-1,3-Dichloroprop... | 10.579         | 79   | 62368      | 16.64  | ug/L   | 0.00     |
| Spiked Amount 25.000          | Range 30 - 135 |      | Recovery = | 66.56% |        |          |
| 39) 2-Hexanone-d5             | 10.927         | 63   | 48365      | 34.01  | ug/L   | 0.00     |
| Spiked Amount 50.000          | Range 20 - 135 |      | Recovery = | 68.02% |        |          |
| 48) 1,1,2,2-Tetrachloroeth... | 12.689         | 84   | 119018     | 18.31  | ug/L   | 0.00     |
| Spiked Amount 25.000          | Range 45 - 120 |      | Recovery = | 73.24% |        |          |
| 61) 1,2-Dichlorobenzene-d4    | 13.853         | 152  | 137325     | 20.11  | ug/L   | 0.00     |
| Spiked Amount 25.000          | Range 75 - 120 |      | Recovery = | 80.44% |        |          |
|                               |                |      |            |        |        |          |
| Target Compounds              |                |      |            |        | Qvalue |          |
| 13) Acetone                   | 4.147          | 43   | 4782       | 3.96   | ug/L   | 70       |
| 14) Carbon disulfide          | 4.385          | 76   | 24604      | 1.20   | ug/L # | 93       |
| 16) Methylene chloride        | 4.916          | 84   | 9693m      | 1.09   | ug/L   |          |
| -----                         |                |      |            |        |        |          |

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

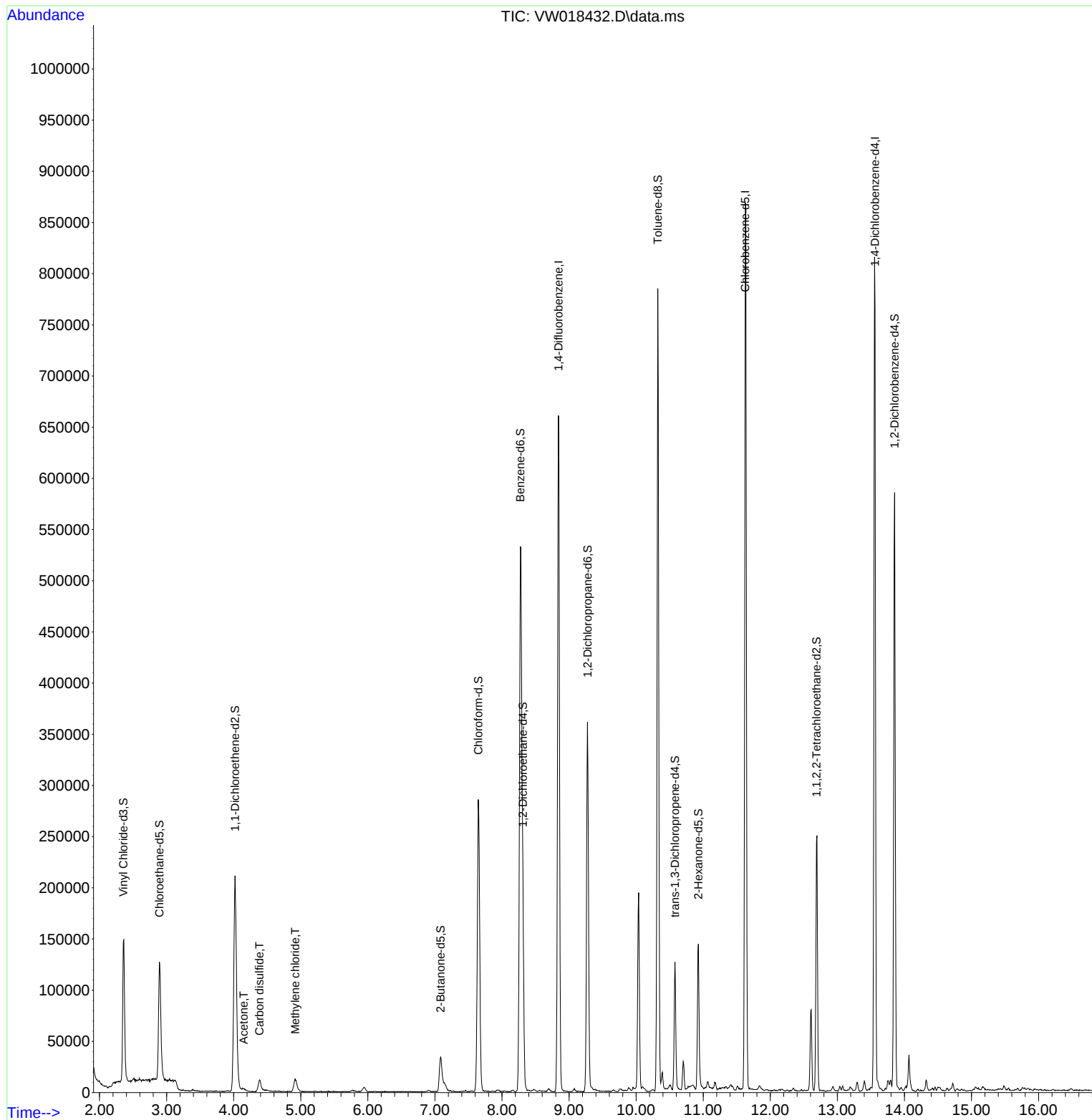
Data Path : Z:\voasrv\HPCHEM1\MSVOA\_W\Data\VW032321\  
Data File : VW018432.D  
Acq On : 23 Mar 2021 17:28  
Operator : SY/VA  
Sample : M1781-11  
Misc : 5.80G/10ML/MSVOA\_W/SOIL  
ALS Vial : 15 Sample Multiplier: 1

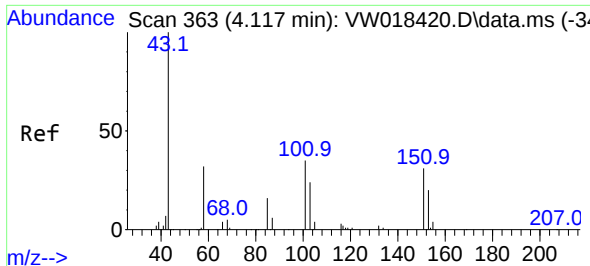
Instrument :  
MSVOA\_W  
ClientSampleId :  
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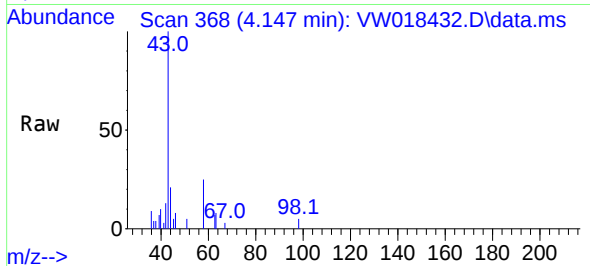
Quant Time: Mar 24 01:27:24 2021  
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_W\Method\SOM2WLM031921S.M  
Quant Title : VOC Analysis  
QLast Update : Wed Mar 24 01:23:39 2021  
Response via : Initial Calibration





#13  
Acetone  
Concen: 3.96 ug/L  
RT: 4.147 min Scan# 368  
Delta R.T. 0.030 min  
Lab File: VW018432.D  
Acq: 23 Mar 2021 17:28

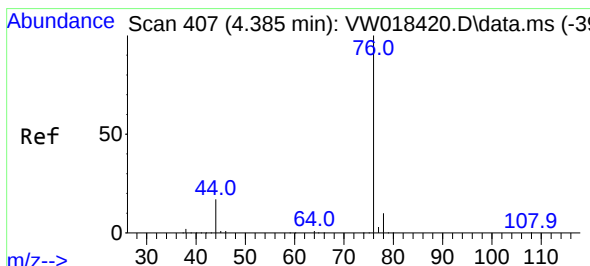
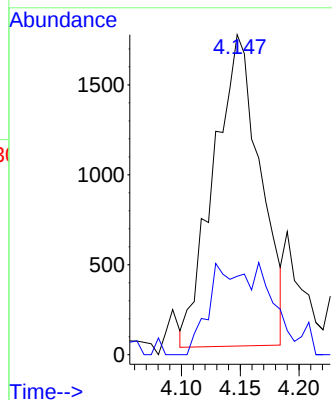
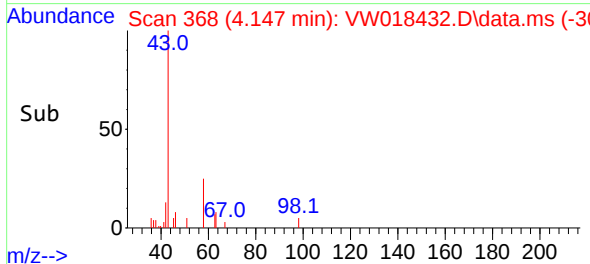
Instrument :  
MSVOA\_W  
ClientSampled :  
BG4S0



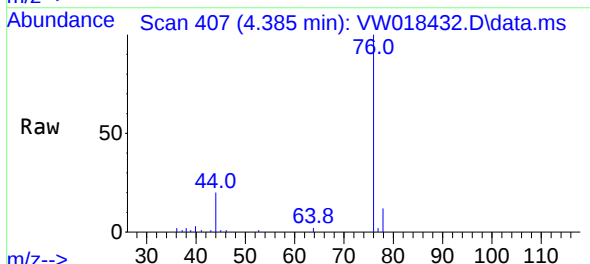
Tgt Ion: 43 Resp: 4782  
Ion Ratio Lower Upper  
43 100  
58 14.4 0.0 62.2

Manual Integrations  
APPROVED

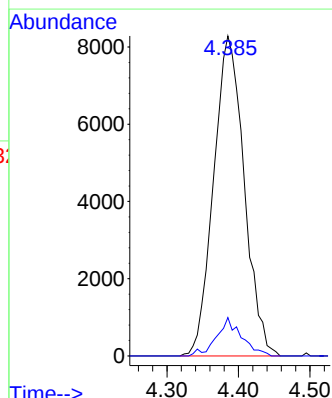
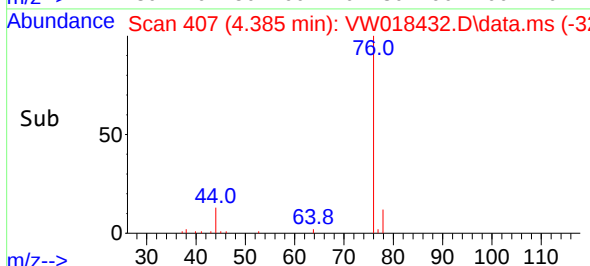
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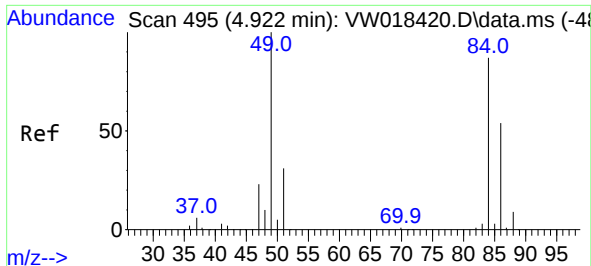


#14  
Carbon disulfide  
Concen: 1.20 ug/L  
RT: 4.385 min Scan# 407  
Delta R.T. -0.000 min  
Lab File: VW018432.D  
Acq: 23 Mar 2021 17:28



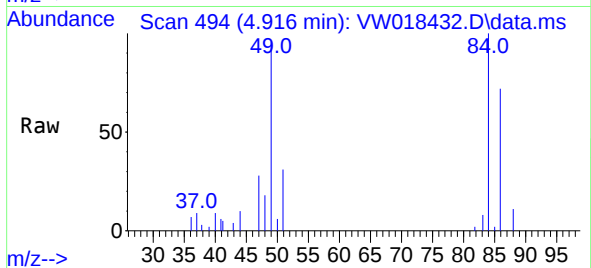
Tgt Ion: 76 Resp: 24604  
Ion Ratio Lower Upper  
76 100  
78 12.0 7.4 11.2#





#16  
Methylene chloride  
Concen: 1.09 ug/L m  
RT: 4.916 min Scan# 494  
Delta R.T. -0.006 min  
Lab File: VW018432.D  
Acq: 23 Mar 2021 17:28

Instrument :  
MSVOA\_W  
ClientSampled :  
BG4S0



|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 84    | Resp: | 9693  |
| Ion      | Ratio | Lower | Upper |
| 84       | 100   |       |       |
| 49       | 96.1  | 74.4  | 138.2 |
| 86       | 72.0  | 46.1  | 85.7  |

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