

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_W\Data\VW032521\  
 Data File : VW018451.D  
 Acq On : 25 Mar 2021 12:18  
 Operator : SY/VA  
 Sample : M1781-20RE  
 Misc : 5.13G/10ML/MSVOA\_W/SOIL  
 ALS Vial : 4 Sample Multiplier: 1

Instrument :  
 MSVOA\_W  
 ClientSampleId :  
 BG4S5RE

Quant Time: Mar 26 01:30:42 2021  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_W\Method\SOM2WLM031921S.M  
 Quant Title : VOC Analysis  
 QLast Update : Fri Mar 26 01:29:58 2021  
 Response via : Initial Calibration

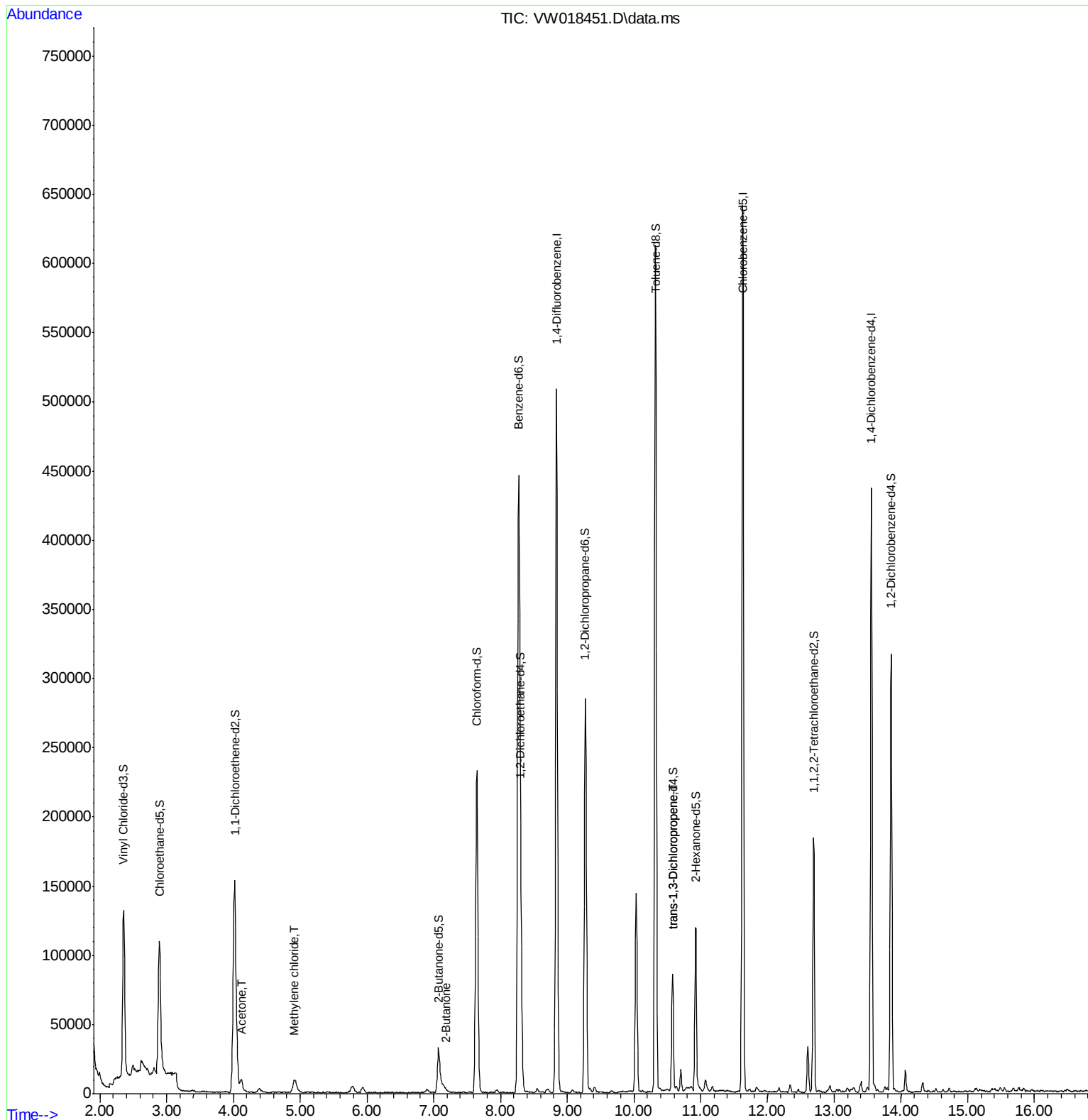
| Compound                      | R.T.           | QIon | Response           | Conc  | Units | Dev(Min) |
|-------------------------------|----------------|------|--------------------|-------|-------|----------|
| -----                         |                |      |                    |       |       |          |
| Internal Standards            |                |      |                    |       |       |          |
| 1) 1,4-Difluorobenzene        | 8.842          | 114  | 423357             | 25.00 | ug/L  | 0.00     |
| 28) Chlorobenzene-d5          | 11.628         | 117  | 334272             | 25.00 | ug/L  | 0.00     |
| 60) 1,4-Dichlorobenzene-d4    | 13.554         | 152  | 101623             | 25.00 | ug/L  | 0.00     |
|                               |                |      |                    |       |       |          |
| System Monitoring Compounds   |                |      |                    |       |       |          |
| 4) Vinyl Chloride-d3          | 2.355          | 65   | 150689             | 25.58 | ug/L  | 0.00     |
| Spiked Amount 25.000          | Range 30 - 150 |      | Recovery = 102.32% |       |       |          |
| 7) Chloroethane-d5            | 2.891          | 69   | 135749             | 26.32 | ug/L  | 0.00     |
| Spiked Amount 25.000          | Range 30 - 150 |      | Recovery = 105.28% |       |       |          |
| 10) 1,1-Dichloroethene-d2     | 4.019          | 63   | 167392             | 16.46 | ug/L  | 0.00     |
| Spiked Amount 25.000          | Range 45 - 110 |      | Recovery = 65.84%  |       |       |          |
| 20) 2-Butanone-d5             | 7.074          | 46   | 52499              | 40.03 | ug/L  | 0.00     |
| Spiked Amount 50.000          | Range 20 - 135 |      | Recovery = 80.06%  |       |       |          |
| 24) Chloroform-d              | 7.647          | 84   | 229391             | 21.27 | ug/L  | 0.00     |
| Spiked Amount 25.000          | Range 40 - 150 |      | Recovery = 85.08%  |       |       |          |
| 26) 1,2-Dichloroethane-d4     | 8.305          | 65   | 129279             | 20.54 | ug/L  | 0.00     |
| Spiked Amount 25.000          | Range 70 - 130 |      | Recovery = 82.16%  |       |       |          |
| 29) Benzene-d6                | 8.275          | 84   | 448639             | 25.25 | ug/L  | 0.00     |
| Spiked Amount 25.000          | Range 20 - 135 |      | Recovery = 101.00% |       |       |          |
| 33) 1,2-Dichloropropane-d6    | 9.268          | 67   | 127205             | 24.82 | ug/L  | 0.00     |
| Spiked Amount 25.000          | Range 70 - 120 |      | Recovery = 99.28%  |       |       |          |
| 37) Toluene-d8                | 10.323         | 98   | 393978             | 23.03 | ug/L  | 0.00     |
| Spiked Amount 25.000          | Range 30 - 130 |      | Recovery = 92.12%  |       |       |          |
| 38) trans-1,3-Dichloroprop... | 10.579         | 79   | 45571              | 17.24 | ug/L  | 0.00     |
| Spiked Amount 25.000          | Range 30 - 135 |      | Recovery = 68.96%  |       |       |          |
| 39) 2-Hexanone-d5             | 10.920         | 63   | 40909              | 40.78 | ug/L  | 0.00     |
| Spiked Amount 50.000          | Range 20 - 135 |      | Recovery = 81.56%  |       |       |          |
| 48) 1,1,2,2-Tetrachloroeth... | 12.688         | 84   | 88061              | 19.20 | ug/L  | 0.00     |
| Spiked Amount 25.000          | Range 45 - 120 |      | Recovery = 76.80%  |       |       |          |
| 61) 1,2-Dichlorobenzene-d4    | 13.853         | 152  | 72379              | 20.03 | ug/L  | 0.00     |
| Spiked Amount 25.000          | Range 75 - 120 |      | Recovery = 80.12%  |       |       |          |
|                               |                |      |                    |       |       |          |
| Target Compounds              |                |      |                    |       |       |          |
| 13) Acetone                   | 4.117          | 43   | 14658              | 15.56 | ug/L  | 94       |
| 16) Methylene chloride        | 4.909          | 84   | 7809               | 1.12  | ug/L  | 97       |
| 21) 2-Butanone                | 7.183          | 43   | 3691               | 2.47  | ug/L  | 86       |
| 45) trans-1,3-Dichloropropene | 10.579         | 75   | 2647               | 0.37  | ug/L  | 95       |
| -----                         |                |      |                    |       |       |          |

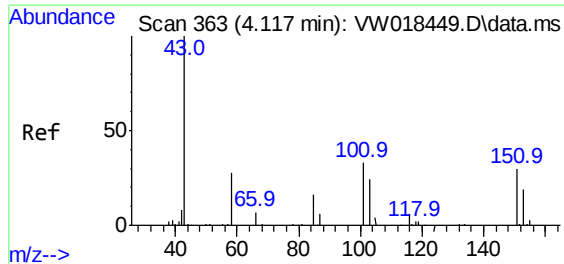
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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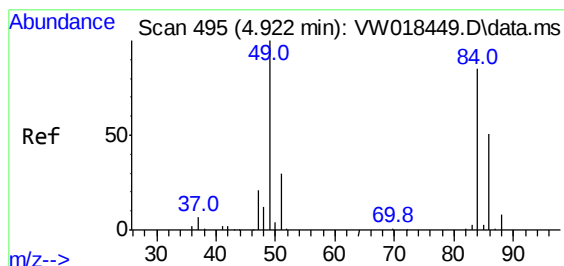
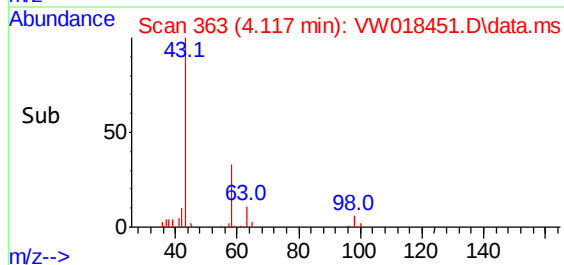
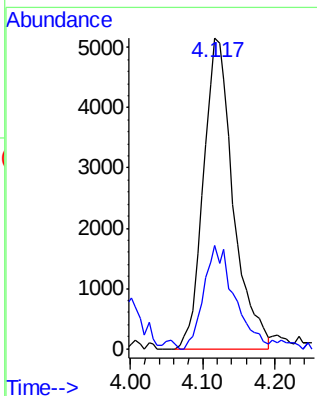
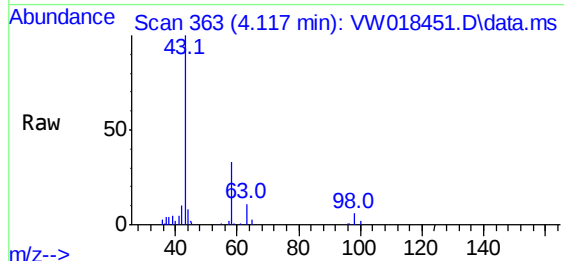




#13  
Acetone  
Concen: 15.56 ug/L  
RT: 4.117 min Scan# 363  
Delta R.T. -0.000 min  
Lab File: VW018451.D  
Acq: 25 Mar 2021 12:18

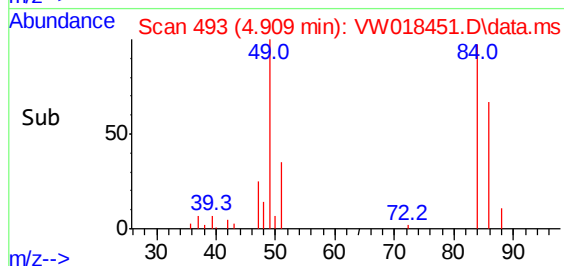
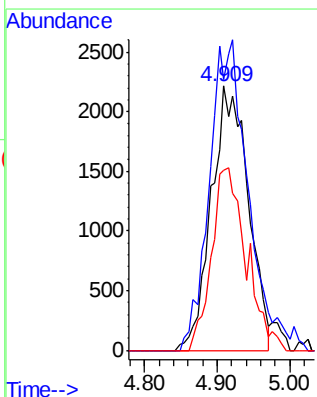
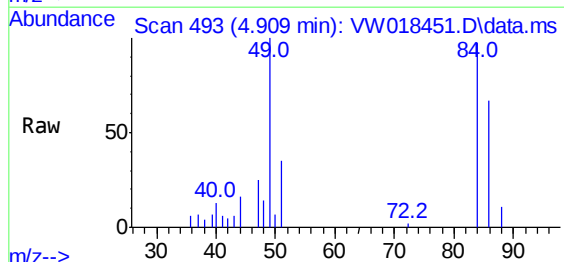
Instrument :  
MSVOA\_W  
ClientSampled :  
BG4S5RE

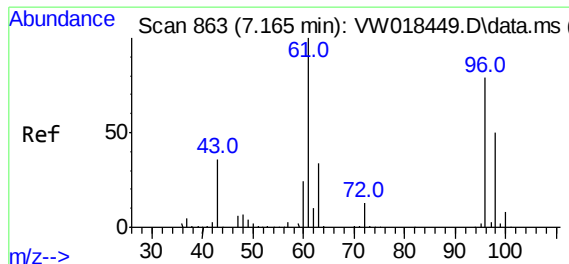
Tgt Ion: 43 Resp: 14658  
Ion Ratio Lower Upper  
43 100  
58 34.3 0.0 62.2



#16  
Methylene chloride  
Concen: 1.12 ug/L  
RT: 4.909 min Scan# 493  
Delta R.T. -0.012 min  
Lab File: VW018451.D  
Acq: 25 Mar 2021 12:18

Tgt Ion: 84 Resp: 7809  
Ion Ratio Lower Upper  
84 100  
49 102.8 74.4 138.2  
86 68.4 46.1 85.7

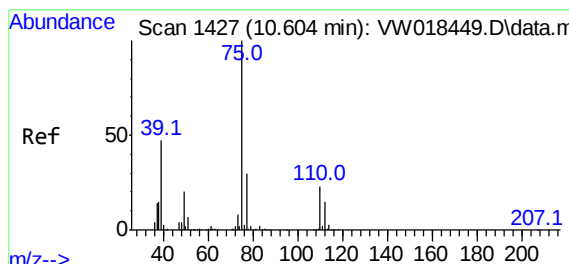
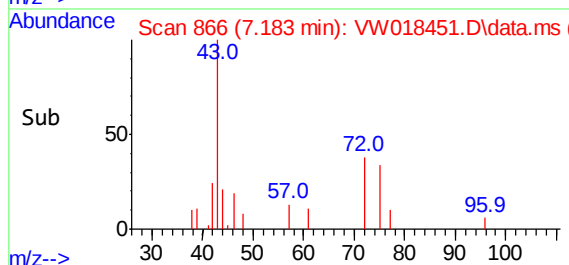
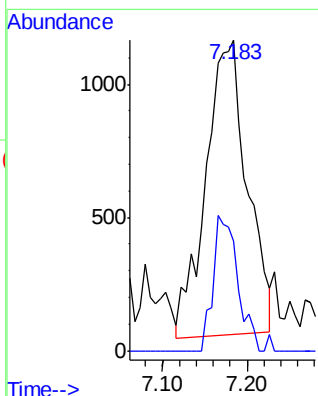
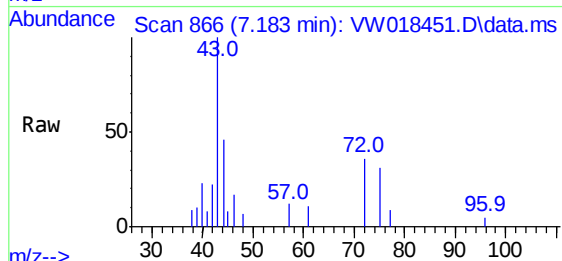




#21  
2-Butanone  
Concen: 2.47 ug/L  
RT: 7.183 min Scan# 866  
Delta R.T. 0.018 min  
Lab File: VW018451.D  
Acq: 25 Mar 2021 12:18

Instrument :  
MSVOA\_W  
ClientSampleId :  
BG4S5RE

Tgt Ion: 43 Resp: 3691  
Ion Ratio Lower Upper  
43 100  
72 24.8 16.5 49.5



#45  
trans-1,3-Dichloropropene  
Concen: 0.37 ug/L  
RT: 10.579 min Scan# 1423  
Delta R.T. -0.025 min  
Lab File: VW018451.D  
Acq: 25 Mar 2021 12:18

Tgt Ion: 75 Resp: 2647  
Ion Ratio Lower Upper  
75 100  
77 35.1 22.6 42.0

