

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_W\Data\VW040121\  
 Data File : VW018530.D  
 Acq On : 01 Apr 2021 12:31  
 Operator : SY/VA  
 Sample : M1881-03  
 Misc : 5.86G/10ML/MSVOA\_W/SOIL  
 ALS Vial : 22 Sample Multiplier: 1

Instrument :  
 MSVOA\_W  
 ClientSampleId :  
 ESQF9

Manual Integrations  
 APPROVED

MMDadoda  
 4/6/2021 1:04:50 PM

Quant Time: Apr 02 03:30:09 2021  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_W\Method\SOM2WLM031921S.M  
 Quant Title : VOC Analysis  
 QLast Update : Fri Apr 02 03:28:33 2021  
 Response via : Initial Calibration

| Compound                      | R.T.           | QIon | Response   | Conc   | Units | Dev(Min) |
|-------------------------------|----------------|------|------------|--------|-------|----------|
| -----                         |                |      |            |        |       |          |
| Internal Standards            |                |      |            |        |       |          |
| 1) 1,4-Difluorobenzene        | 8.841          | 114  | 506074     | 25.00  | ug/L  | 0.00     |
| 28) Chlorobenzene-d5          | 11.634         | 117  | 456133     | 25.00  | ug/L  | 0.00     |
| 60) 1,4-Dichlorobenzene-d4    | 13.554         | 152  | 214482     | 25.00  | ug/L  | 0.00     |
|                               |                |      |            |        |       |          |
| System Monitoring Compounds   |                |      |            |        |       |          |
| 4) Vinyl Chloride-d3          | 2.355          | 65   | 153468     | 21.79  | ug/L  | 0.00     |
| Spiked Amount 25.000          | Range 30 - 150 |      | Recovery = | 87.16% |       |          |
| 7) Chloroethane-d5            | 2.891          | 69   | 116790     | 18.95  | ug/L  | 0.00     |
| Spiked Amount 25.000          | Range 30 - 150 |      | Recovery = | 75.80% |       |          |
| 10) 1,1-Dichloroethene-d2     | 4.019          | 63   | 161731     | 13.30  | ug/L  | 0.00     |
| Spiked Amount 25.000          | Range 45 - 110 |      | Recovery = | 53.20% |       |          |
| 20) 2-Butanone-d5             | 7.080          | 46   | 77611      | 49.50  | ug/L  | 0.00     |
| Spiked Amount 50.000          | Range 20 - 135 |      | Recovery = | 99.00% |       |          |
| 24) Chloroform-d              | 7.653          | 84   | 234664     | 18.21  | ug/L  | 0.00     |
| Spiked Amount 25.000          | Range 40 - 150 |      | Recovery = | 72.84% |       |          |
| 26) 1,2-Dichloroethane-d4     | 8.305          | 65   | 156843     | 20.84  | ug/L  | 0.00     |
| Spiked Amount 25.000          | Range 70 - 130 |      | Recovery = | 83.36% |       |          |
| 29) Benzene-d6                | 8.275          | 84   | 460345     | 18.98  | ug/L  | 0.00     |
| Spiked Amount 25.000          | Range 20 - 135 |      | Recovery = | 75.92% |       |          |
| 33) 1,2-Dichloropropane-d6    | 9.274          | 67   | 137471     | 19.65  | ug/L  | 0.00     |
| Spiked Amount 25.000          | Range 70 - 120 |      | Recovery = | 78.60% |       |          |
| 37) Toluene-d8                | 10.323         | 98   | 447280     | 19.16  | ug/L  | 0.00     |
| Spiked Amount 25.000          | Range 30 - 130 |      | Recovery = | 76.64% |       |          |
| 38) trans-1,3-Dichloroprop... | 10.579         | 79   | 62683      | 17.38  | ug/L  | 0.00     |
| Spiked Amount 25.000          | Range 30 - 135 |      | Recovery = | 69.52% |       |          |
| 39) 2-Hexanone-d5             | 10.926         | 63   | 63653      | 46.50  | ug/L  | 0.00     |
| Spiked Amount 50.000          | Range 20 - 135 |      | Recovery = | 93.00% |       |          |
| 48) 1,1,2,2-Tetrachloroeth... | 12.694         | 84   | 137742     | 22.01  | ug/L  | 0.00     |
| Spiked Amount 25.000          | Range 45 - 120 |      | Recovery = | 88.04% |       |          |
| 61) 1,2-Dichlorobenzene-d4    | 13.853         | 152  | 148140     | 19.43  | ug/L  | 0.00     |
| Spiked Amount 25.000          | Range 75 - 120 |      | Recovery = | 77.72% |       |          |
|                               |                |      |            |        |       |          |
| Target Compounds              |                |      |            |        |       | Qvalue   |
| 13) Acetone                   | 4.129          | 43   | 1999       | 1.77   | ug/L  | 68       |
| 16) Methylene chloride        | 4.909          | 84   | 12835m     | 1.55   | ug/L  |          |
| 35) Trichloroethene           | 9.091          | 95   | 2453       | 0.34   | ug/L  | 87       |
| 44) Toluene                   | 10.390         | 91   | 8093       | 0.27   | ug/L  | 99       |
| -----                         |                |      |            |        |       |          |

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

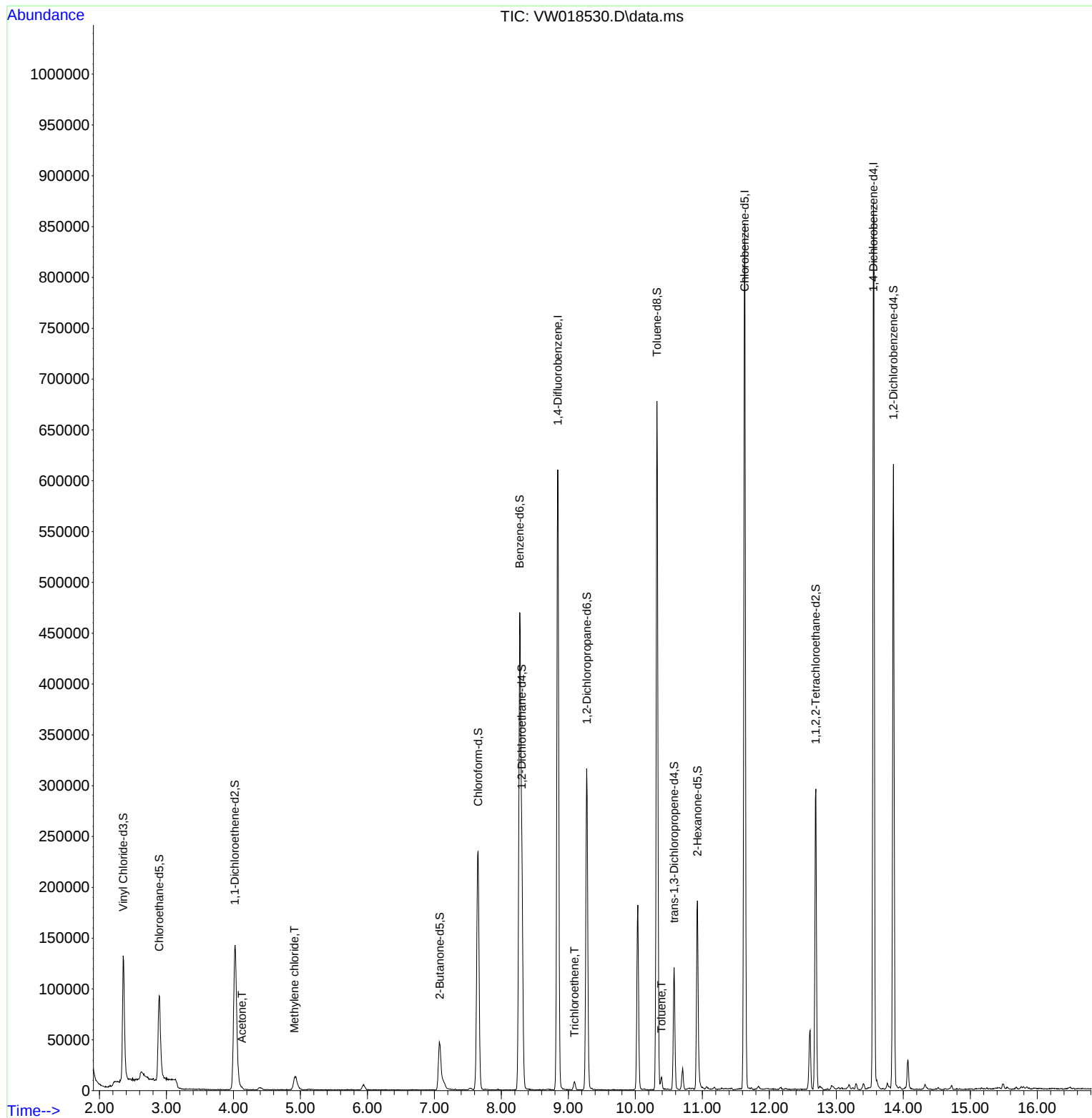
Data Path : Z:\voasrv\HPCHEM1\MSVOA\_W\Data\VW040121\  
Data File : VW018530.D  
Acq On : 01 Apr 2021 12:31  
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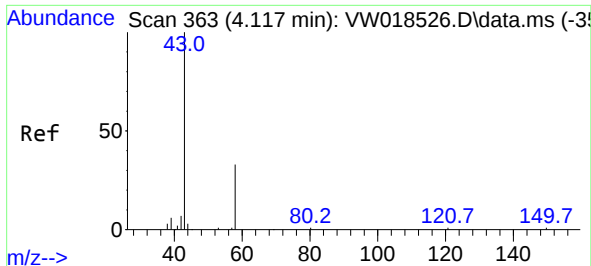
Instrument :  
MSVOA\_W  
ClientSampleId :  
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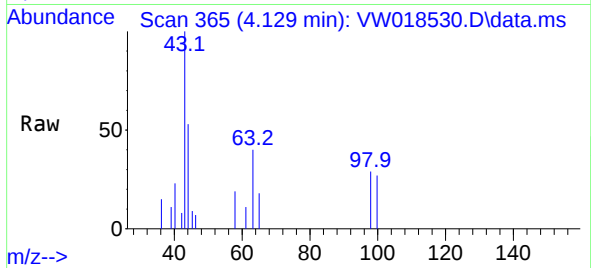
MMDadoda  
4/6/2021 1:04:50 PM

Quant Time: Apr 02 03:30:09 2021  
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_W\Method\SOM2WLM031921S.M  
Quant Title : VOC Analysis  
QLast Update : Fri Apr 02 03:28:33 2021  
Response via : Initial Calibration

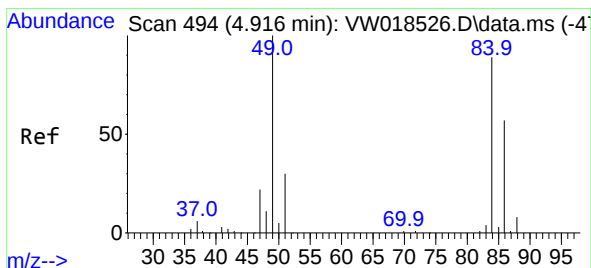
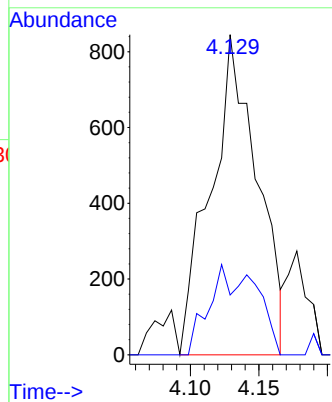
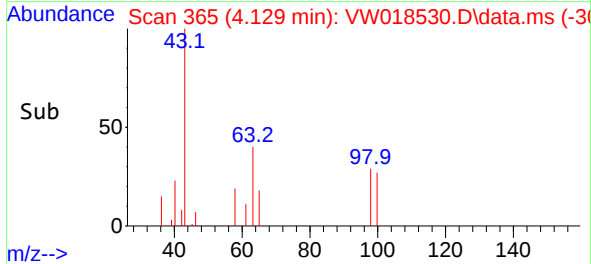




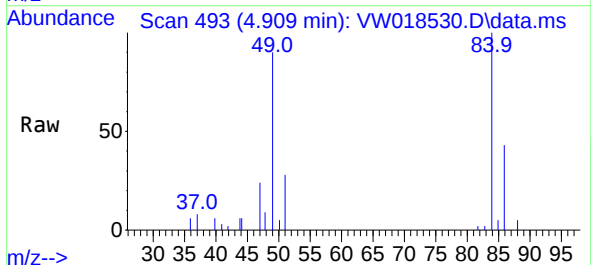
#13  
Acetone  
Concen: 1.77 ug/L  
RT: 4.129 min Scan# 365  
Delta R.T. 0.012 min  
Lab File: VW018530.D  
Acq: 01 Apr 2021 12:31



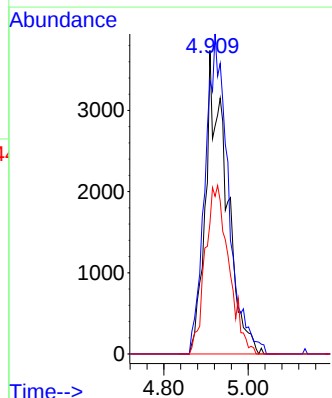
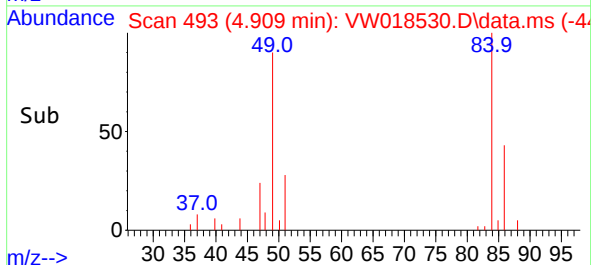
Tgt Ion: 43 Resp: 1999  
Ion Ratio Lower Upper  
43 100  
58 13.6 0.0 62.2



#16  
Methylene chloride  
Concen: 1.55 ug/L m  
RT: 4.909 min Scan# 493  
Delta R.T. -0.006 min  
Lab File: VW018530.D  
Acq: 01 Apr 2021 12:31



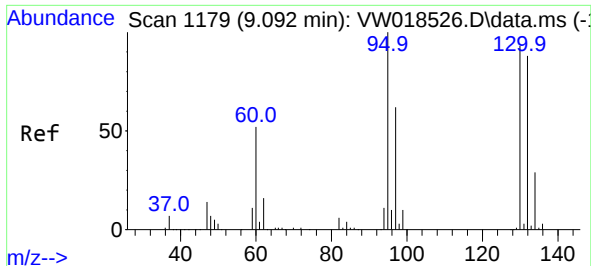
Tgt Ion: 84 Resp: 12835  
Ion Ratio Lower Upper  
84 100  
49 90.0 74.4 138.2  
86 43.1 46.1 85.7#



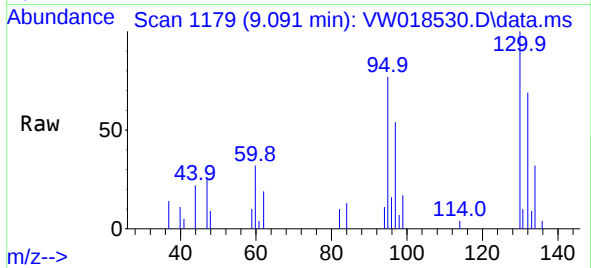
Instrument :  
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ClientSampleId :  
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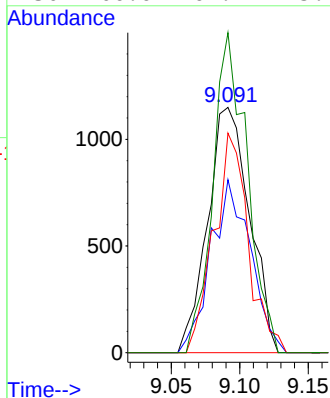


#35  
Trichloroethene  
Concen: 0.34 ug/L  
RT: 9.091 min Scan# 1179  
Delta R.T. -0.000 min  
Lab File: VW018530.D  
Acq: 01 Apr 2021 12:31



Tgt Ion: 95 Resp: 2453

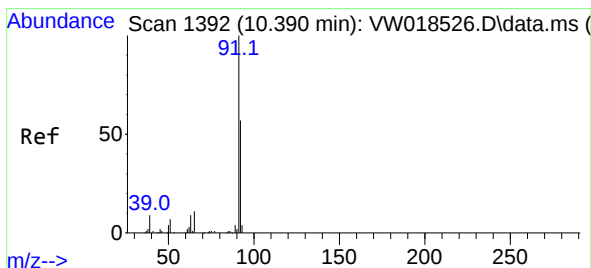
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 95  | 100   |       |       |
| 97  | 66.5  | 44.4  | 82.4  |
| 132 | 73.2  | 65.9  | 122.5 |
| 130 | 106.6 | 67.4  | 125.2 |



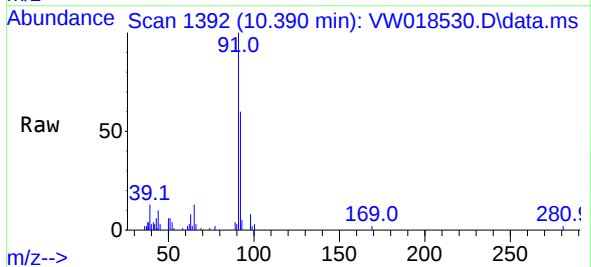
Instrument :  
MSVOA\_W  
ClientSampled :  
ESQF9

Manual Integrations  
APPROVED

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4/6/2021 1:04:50 PM



#44  
Toluene  
Concen: 0.27 ug/L  
RT: 10.390 min Scan# 1392  
Delta R.T. -0.000 min  
Lab File: VW018530.D  
Acq: 01 Apr 2021 12:31



Tgt Ion: 91 Resp: 8093

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 91  | 100   |       |       |
| 92  | 59.9  | 42.3  | 78.5  |

