

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_W\Data\VW051123\  
 Data File : VW025949.D  
 Acq On : 11 May 2023 12:14  
 Operator : SY/MD  
 Sample : 02689--22  
 Misc : 3.58g/10mL/MSVOA\_W/SOIL  
 ALS Vial : 1 Sample Multiplier: 1

Instrument :  
 MSVOA\_W  
 ClientSampleId :  
 JREP4

Quant Time: May 12 05:37:59 2023  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_W\Method\SFAMWLM050123SMA.M  
 Quant Title : SFAM01.0  
 QLast Update : Fri May 05 23:47:36 2023  
 Response via : Initial Calibration

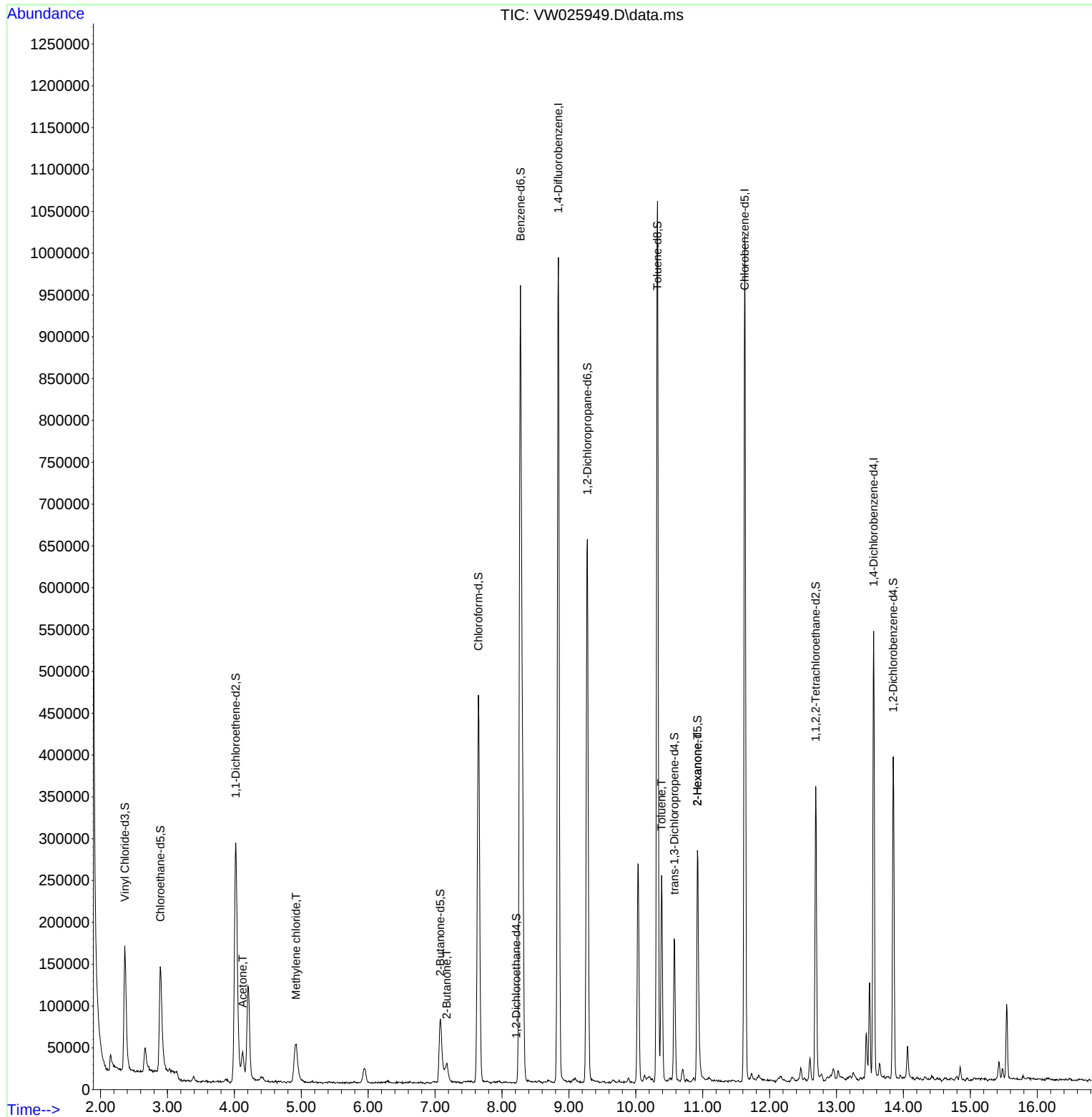
| Compound                      | R.T.   | QIon  | Response | Conc     | Units  | Dev(Min) |
|-------------------------------|--------|-------|----------|----------|--------|----------|
| -----                         |        |       |          |          |        |          |
| Internal Standards            |        |       |          |          |        |          |
| 1) 1,4-Difluorobenzene        | 8.843  | 114   | 776881   | 25.000   | ug/L   | 0.00     |
| 28) Chlorobenzene-d5          | 11.629 | 117   | 523084   | 25.000   | ug/L   | 0.00     |
| 58) 1,4-Dichlorobenzene-d4    | 13.556 | 152   | 126397   | 25.000   | ug/L   | 0.00     |
|                               |        |       |          |          |        |          |
| System Monitoring Compounds   |        |       |          |          |        |          |
| 4) Vinyl Chloride-d3          | 2.363  | 65    | 222581   | 20.218   | ug/L   | 0.00     |
| Spiked Amount                 | 25.000 | Range | 30 - 150 | Recovery | =      | 80.880%  |
| 7) Chloroethane-d5            | 2.893  | 69    | 195872   | 23.999   | ug/L   | 0.00     |
| Spiked Amount                 | 25.000 | Range | 30 - 150 | Recovery | =      | 96.000%  |
| 11) 1,1-Dichloroethene-d2     | 4.021  | 65    | 108407   | 19.665   | ug/L   | 0.00     |
| Spiked Amount                 | 25.000 | Range | 45 - 110 | Recovery | =      | 78.680%  |
| 21) 2-Butanone-d5             | 7.075  | 46    | 131527   | 36.140   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000 | Range | 20 - 135 | Recovery | =      | 72.280%  |
| 24) Chloroform-d              | 7.648  | 84    | 457288   | 20.413   | ug/L   | 0.00     |
| Spiked Amount                 | 25.000 | Range | 40 - 150 | Recovery | =      | 81.640%  |
| 26) 1,2-Dichloroethane-d4     | 8.215  | 65    | 213      | 0.017    | ug/L   | -0.09    |
| Spiked Amount                 | 25.000 | Range | 70 - 130 | Recovery | =      | 0.080%#  |
| 32) Benzene-d6                | 8.276  | 84    | 925627   | 27.081   | ug/L   | 0.00     |
| Spiked Amount                 | 25.000 | Range | 20 - 135 | Recovery | =      | 108.320% |
| 36) 1,2-Dichloropropane-d6    | 9.276  | 67    | 308429   | 28.204   | ug/L   | 0.00     |
| Spiked Amount                 | 25.000 | Range | 70 - 120 | Recovery | =      | 112.800% |
| 41) Toluene-d8                | 10.325 | 98    | 682229   | 22.384   | ug/L   | 0.00     |
| Spiked Amount                 | 25.000 | Range | 30 - 130 | Recovery | =      | 89.520%  |
| 43) trans-1,3-Dichloroprop... | 10.575 | 79    | 92447    | 20.855   | ug/L   | 0.00     |
| Spiked Amount                 | 25.000 | Range | 30 - 135 | Recovery | =      | 83.400%  |
| 47) 2-Hexanone-d5             | 10.922 | 63    | 90112    | 48.323   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000 | Range | 20 - 135 | Recovery | =      | 96.640%  |
| 56) 1,1,2,2-Tetrachloroeth... | 12.690 | 84    | 174411   | 20.925   | ug/L   | 0.00     |
| Spiked Amount                 | 25.000 | Range | 45 - 120 | Recovery | =      | 83.680%  |
| 66) 1,2-Dichlorobenzene-d4    | 13.848 | 152   | 94650    | 20.542   | ug/L   | 0.00     |
| Spiked Amount                 | 25.000 | Range | 75 - 120 | Recovery | =      | 82.160%  |
|                               |        |       |          |          |        |          |
| Target Compounds              |        |       |          |          | Qvalue |          |
| 13) Acetone                   | 4.124  | 43    | 57994    | 17.971   | ug/L   | 100      |
| 16) Methylene chloride        | 4.923  | 84    | 37892    | 2.365    | ug/L   | 92       |
| 22) 2-Butanone                | 7.173  | 43    | 44521    | 9.991    | ug/L   | 93       |
| 42) Toluene                   | 10.386 | 91    | 170028   | 4.598    | ug/L   | 98       |
| 48) 2-Hexanone                | 10.922 | 43    | 14131    | 3.056    | ug/L # | 65       |
| -----                         |        |       |          |          |        |          |

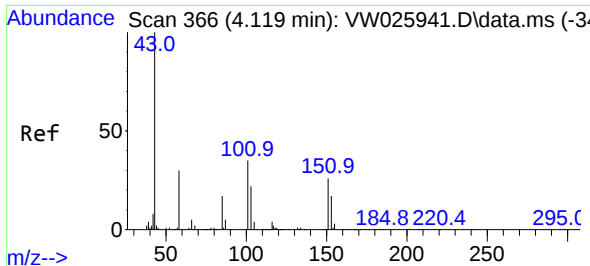
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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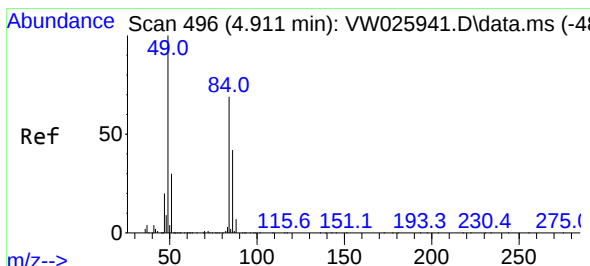
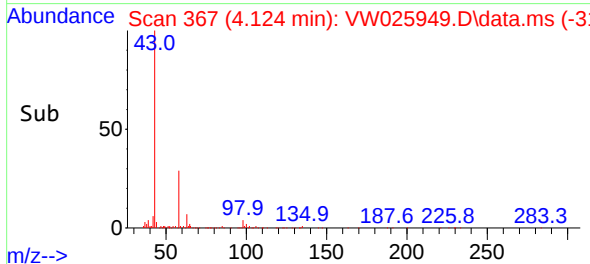
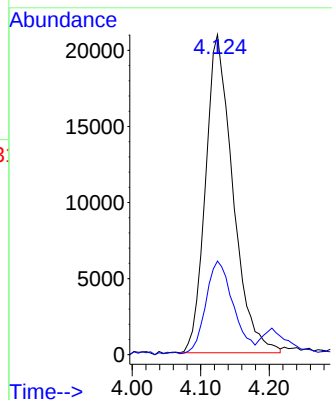
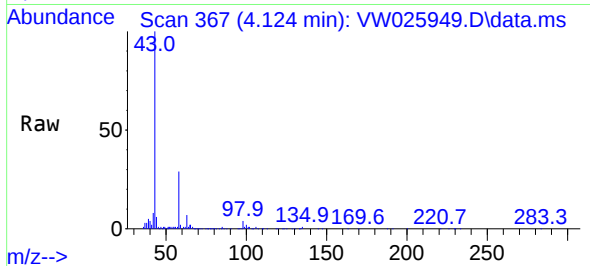




#13  
Acetone  
Concen: 17.971 ug/L  
RT: 4.124 min Scan# 30  
Delta R.T. -0.006 min  
Lab File: VW025949.D  
Acq: 11 May 2023 12:14

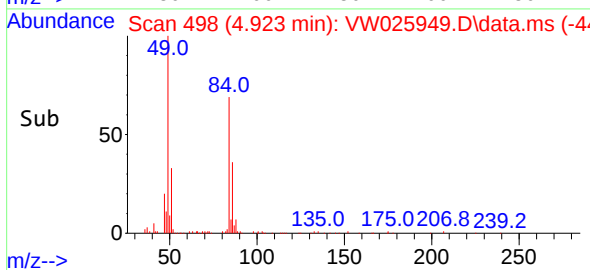
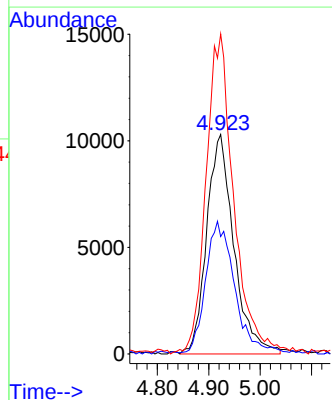
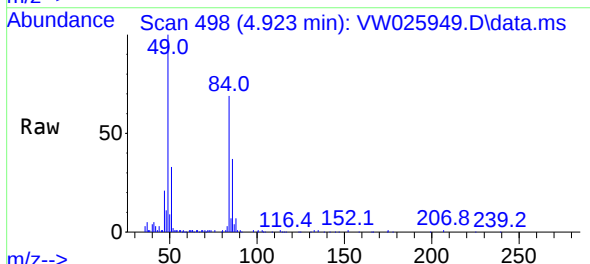
Instrument :  
MSVOA\_W  
ClientSampleId :  
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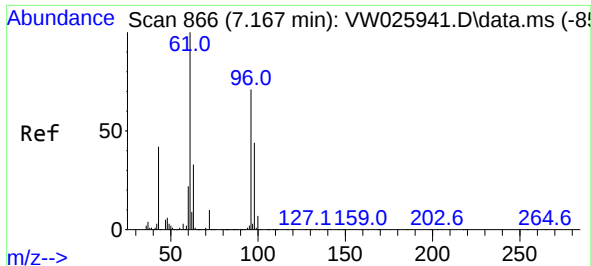
Tgt Ion: 43 Resp: 57994  
Ion Ratio Lower Upper  
43 100  
58 29.3 0.0 58.2



#16  
Methylene chloride  
Concen: 2.365 ug/L  
RT: 4.923 min Scan# 498  
Delta R.T. 0.012 min  
Lab File: VW025949.D  
Acq: 11 May 2023 12:14

Tgt Ion: 84 Resp: 37892  
Ion Ratio Lower Upper  
84 100  
86 53.5 41.7 77.5  
49 145.8 95.3 177.1

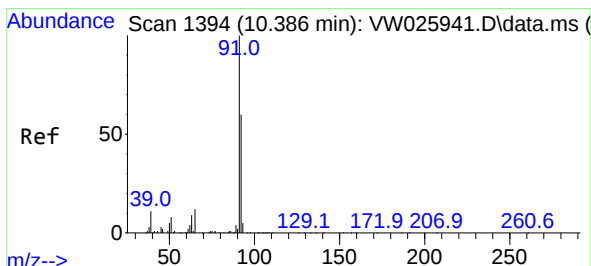
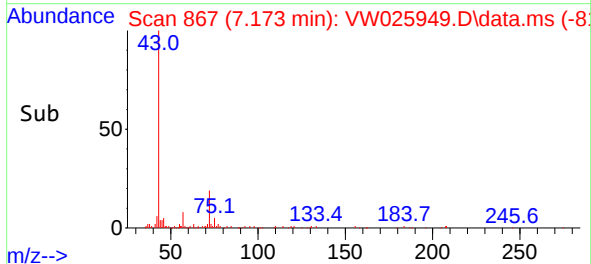
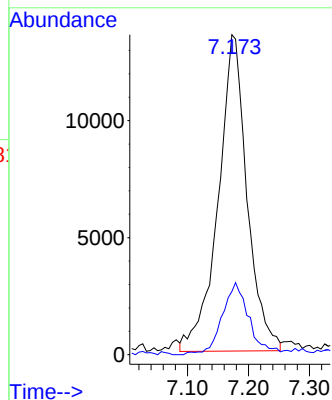
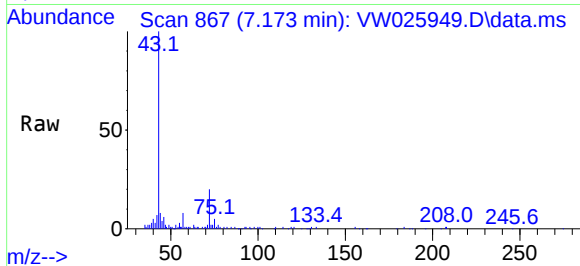




#22  
2-Butanone  
Concen: 9.991 ug/L  
RT: 7.173 min Scan# 866  
Delta R.T. 0.000 min  
Lab File: VW025949.D  
Acq: 11 May 2023 12:14

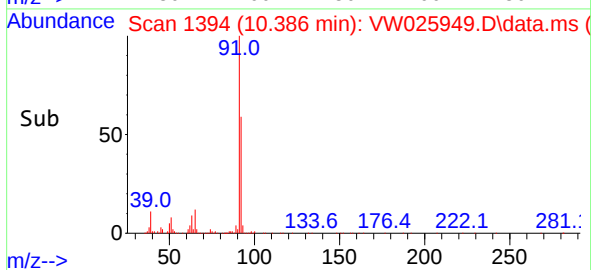
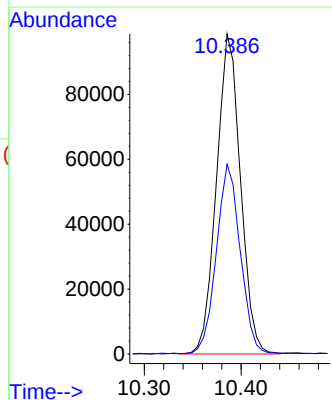
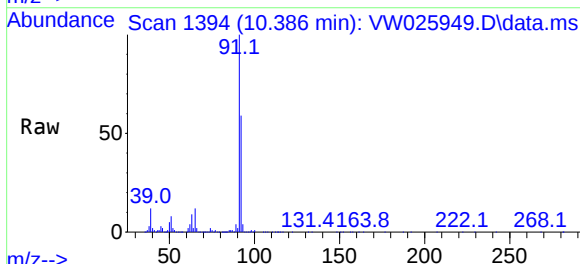
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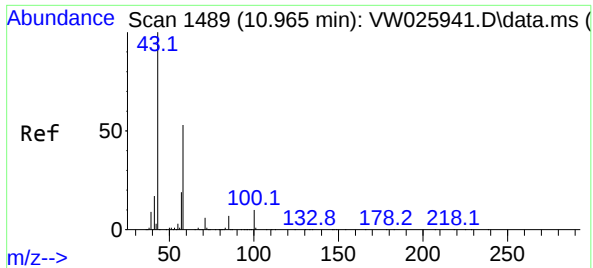
Tgt Ion: 43 Resp: 44521  
Ion Ratio Lower Upper  
43 100  
72 20.4 11.8 35.4



#42  
Toluene  
Concen: 4.598 ug/L  
RT: 10.386 min Scan# 1394  
Delta R.T. 0.000 min  
Lab File: VW025949.D  
Acq: 11 May 2023 12:14

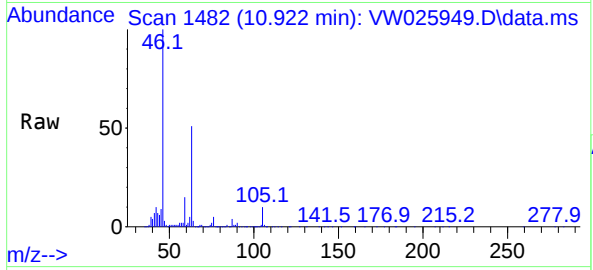
Tgt Ion: 91 Resp: 170028  
Ion Ratio Lower Upper  
91 100  
92 59.2 40.2 74.6





#48  
2-Hexanone  
Concen: 3.056 ug/L  
RT: 10.922 min Scan# 14  
Delta R.T. -0.043 min  
Lab File: VW025949.D  
Acq: 11 May 2023 12:14

Instrument :  
MSVOA\_W  
ClientSampleId :  
JREP4



Tgt Ion: 43 Resp: 14131

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 43  | 100   |       |       |
| 58  | 22.8  | 40.8  | 61.2# |
| 57  | 28.1  | 13.6  | 20.4# |
| 100 | 1.5   | 8.0   | 12.0# |

