

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_V\Data\VV061924\  
 Data File : VV036140.D  
 Acq On : 19 Jun 2024 16:18  
 Operator : SY/MD  
 Sample : P2856-05  
 Misc : 3.22g/10.0mL/MSVOA\_V/SOIL/B  
 ALS Vial : 13 Sample Multiplier: 1

Instrument :  
 MSVOA\_V  
 ClientSampleId :

Quant Time: Jun 20 05:16:50 2024  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_V\Method\SFAMVLM053024SMA.M  
 Quant Title : VOC Analysis  
 QLast Update : Thu Jun 20 05:02:48 2024  
 Response via : Initial Calibration

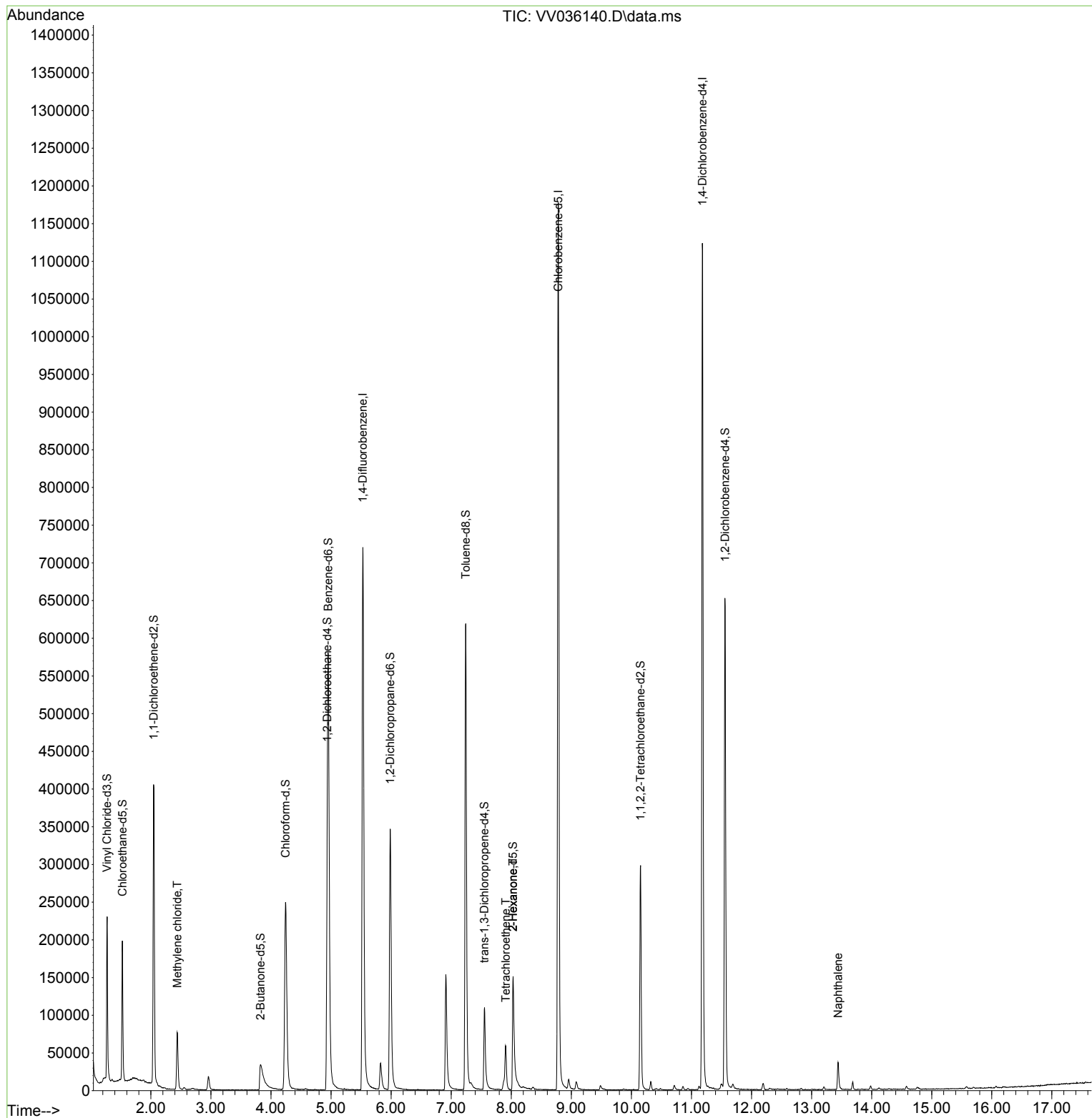
| Compound                      | R.T.   | QIon  | Response | Conc     | Units  | Dev(Min) |
|-------------------------------|--------|-------|----------|----------|--------|----------|
| -----                         |        |       |          |          |        |          |
| Internal Standards            |        |       |          |          |        |          |
| 1) 1,4-Difluorobenzene        | 5.529  | 114   | 625776   | 25.000   | ug/L   | 0.00     |
| 28) Chlorobenzene-d5          | 8.783  | 117   | 640406   | 25.000   | ug/L   | 0.00     |
| 58) 1,4-Dichlorobenzene-d4    | 11.184 | 152   | 288665   | 25.000   | ug/L   | 0.00     |
| System Monitoring Compounds   |        |       |          |          |        |          |
| 4) Vinyl Chloride-d3          | 1.272  | 65    | 146619   | 12.744   | ug/L   | 0.00     |
| Spiked Amount                 | 25.000 | Range | 30 - 150 | Recovery | =      | 50.960%  |
| 7) Chloroethane-d5            | 1.526  | 69    | 122953   | 13.403   | ug/L   | 0.00     |
| Spiked Amount                 | 25.000 | Range | 30 - 150 | Recovery | =      | 53.600%  |
| 11) 1,1-Dichloroethene-d2     | 2.047  | 65    | 68171    | 13.310   | ug/L   | 0.00     |
| Spiked Amount                 | 25.000 | Range | 45 - 110 | Recovery | =      | 53.240%  |
| 21) 2-Butanone-d5             | 3.825  | 46    | 74753    | 28.319   | ug/L   | -0.01    |
| Spiked Amount                 | 50.000 | Range | 20 - 135 | Recovery | =      | 56.640%  |
| 24) Chloroform-d              | 4.243  | 84    | 271228   | 13.633   | ug/L   | 0.00     |
| Spiked Amount                 | 25.000 | Range | 40 - 150 | Recovery | =      | 54.520%  |
| 26) 1,2-Dichloroethane-d4     | 4.937  | 65    | 162271   | 15.557   | ug/L   | 0.00     |
| Spiked Amount                 | 25.000 | Range | 70 - 130 | Recovery | =      | 62.240%# |
| 32) Benzene-d6                | 4.953  | 84    | 510333   | 13.406   | ug/L   | 0.00     |
| Spiked Amount                 | 25.000 | Range | 20 - 135 | Recovery | =      | 53.640%  |
| 36) 1,2-Dichloropropane-d6    | 5.985  | 67    | 175551   | 14.644   | ug/L   | 0.00     |
| Spiked Amount                 | 25.000 | Range | 70 - 120 | Recovery | =      | 58.560%# |
| 41) Toluene-d8                | 7.243  | 98    | 428288   | 12.751   | ug/L   | 0.00     |
| Spiked Amount                 | 25.000 | Range | 30 - 130 | Recovery | =      | 51.000%  |
| 43) trans-1,3-Dichloroprop... | 7.554  | 79    | 66076    | 13.443   | ug/L   | 0.00     |
| Spiked Amount                 | 25.000 | Range | 30 - 135 | Recovery | =      | 53.760%  |
| 47) 2-Hexanone-d5             | 8.030  | 63    | 57707    | 35.530   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000 | Range | 20 - 135 | Recovery | =      | 71.060%  |
| 56) 1,1,2,2-Tetrachloroeth... | 10.152 | 84    | 147805   | 16.500   | ug/L   | 0.00     |
| Spiked Amount                 | 25.000 | Range | 45 - 120 | Recovery | =      | 66.000%  |
| 66) 1,2-Dichlorobenzene-d4    | 11.561 | 152   | 170078   | 16.067   | ug/L   | 0.00     |
| Spiked Amount                 | 25.000 | Range | 75 - 120 | Recovery | =      | 64.280%# |
| Target Compounds              |        |       |          |          |        |          |
|                               |        |       |          |          | Qvalue |          |
| 16) Methylene chloride        | 2.439  | 84    | 33630    | 2.375    | ug/L   | 95       |
| 46) Tetrachloroethene         | 7.908  | 164   | 13457    | 1.433    | ug/L   | 95       |
| 48) 2-Hexanone                | 8.030  | 43    | 6920     | 1.481    | ug/L # | 78       |
| 71) Naphthalene               | 13.442 | 128   | 30555    | 1.635    | ug/L   | 99       |
| -----                         |        |       |          |          |        |          |

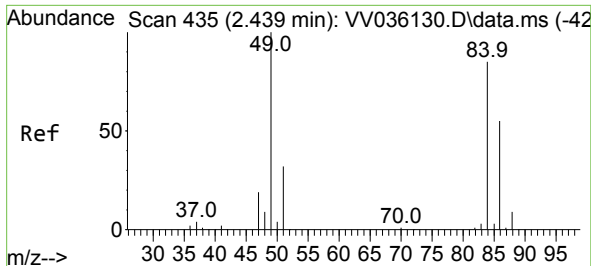
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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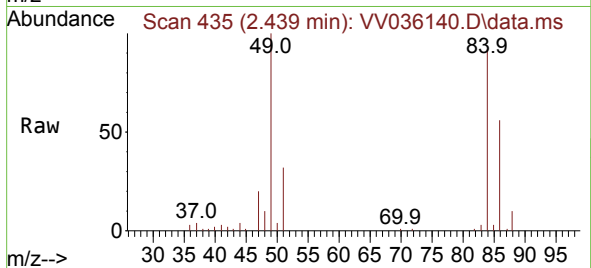
Quant Time: Jun 20 05:16:50 2024  
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_V\Method\SFAMVLM053024SMA.M  
Quant Title : VOC Analysis  
QLast Update : Thu Jun 20 05:02:48 2024  
Response via : Initial Calibration



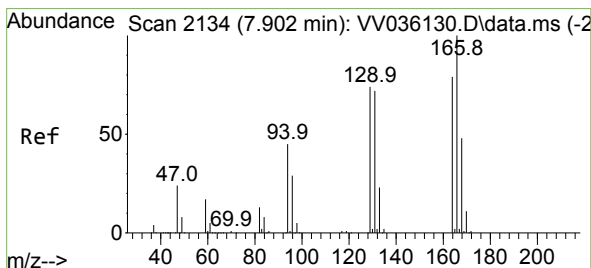
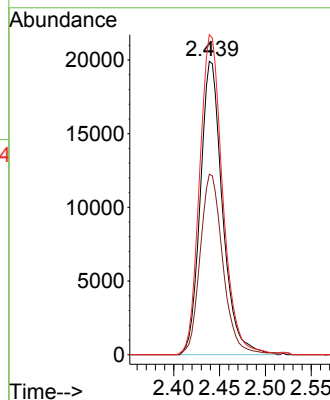
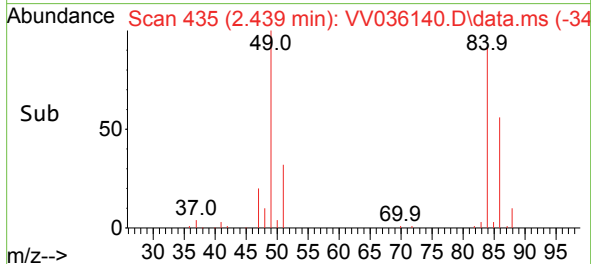


#16  
Methylene chloride  
Concen: 2.375 ug/L  
RT: 2.439 min Scan# 41  
Delta R.T. -0.000 min  
Lab File: VV036140.D  
Acq: 19 Jun 2024 16:18

Instrument :  
MSVOA\_V  
ClientSampleId :

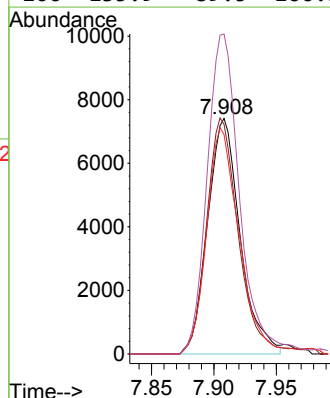
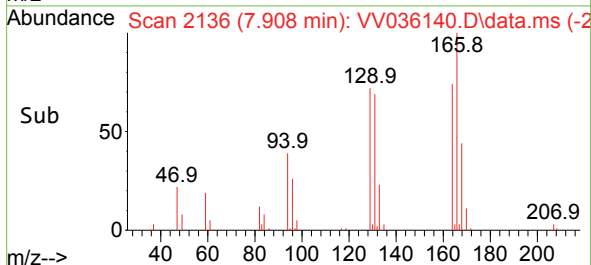
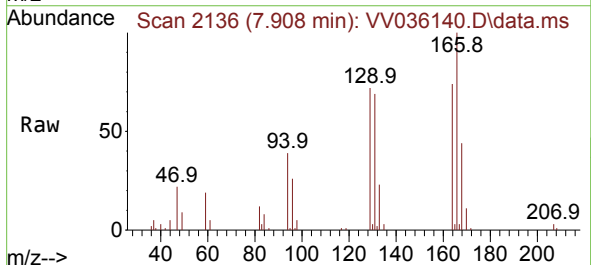


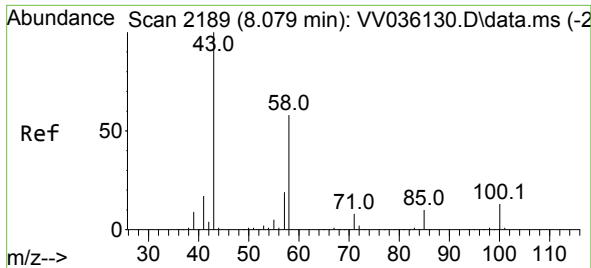
Tgt Ion: 84 Resp: 33630  
Ion Ratio Lower Upper  
84 100  
86 61.5 44.6 82.8  
49 109.0 81.1 150.5



#46  
Tetrachloroethene  
Concen: 1.433 ug/L  
RT: 7.908 min Scan# 2136  
Delta R.T. 0.006 min  
Lab File: VV036140.D  
Acq: 19 Jun 2024 16:18

Tgt Ion:164 Resp: 13457  
Ion Ratio Lower Upper  
164 100  
129 97.5 64.6 120.0  
131 93.2 63.2 117.4  
166 135.9 89.5 166.3

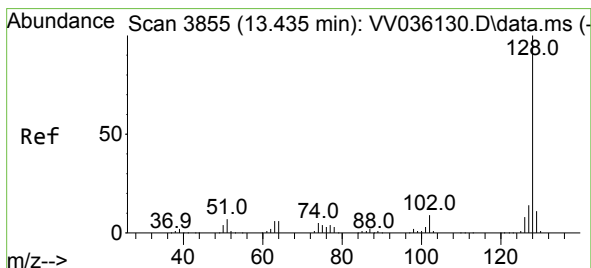
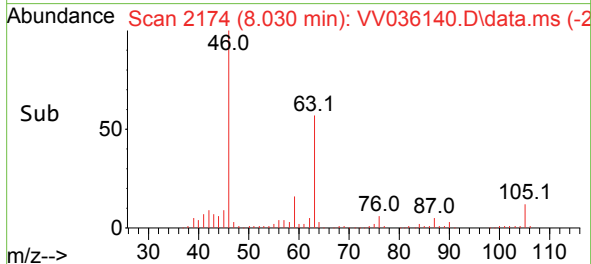
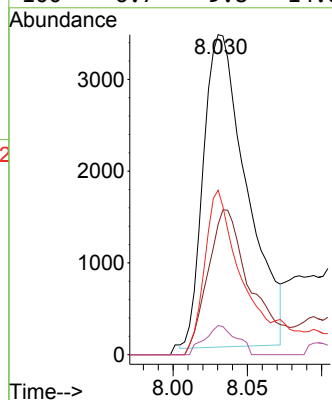
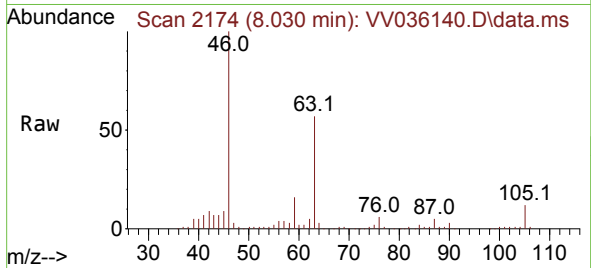




#48  
2-Hexanone  
Concen: 1.481 ug/L  
RT: 8.030 min Scan# 2189  
Delta R.T. -0.048 min  
Lab File: VV036140.D  
Acq: 19 Jun 2024 16:18

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|             |             |
|-------------|-------------|
| Tgt Ion: 43 | Resp: 6920  |
| Ion Ratio   | Lower Upper |
| 43 100      |             |
| 58 46.9     | 45.4 68.0   |
| 57 43.4     | 15.8 23.8#  |
| 100 6.7     | 9.8 14.8#   |



#71  
Naphthalene  
Concen: 1.635 ug/L  
RT: 13.442 min Scan# 3857  
Delta R.T. 0.006 min  
Lab File: VV036140.D  
Acq: 19 Jun 2024 16:18

|              |             |
|--------------|-------------|
| Tgt Ion: 128 | Resp: 30555 |
| Ion Ratio    | Lower Upper |
| 128 100      |             |
| 127 13.9     | 10.6 16.0   |
| 129 10.8     | 8.8 13.2    |

