

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_V\Data\VV072224\  
 Data File : VV036629.D  
 Acq On : 22 Jul 2024 16:03  
 Operator : SY/MD  
 Sample : P3238-14  
 Misc : 5.43g/10.0mL/MSVOA\_V/SOIL/B  
 ALS Vial : 15 Sample Multiplier: 1

Instrument :  
 MSVOA\_V  
 ClientSampleId :

Quant Time: Jul 23 02:06:13 2024  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_V\Method\SFAMVLM072224SMA.M  
 Quant Title : VOC Analysis  
 QLast Update : Tue Jul 23 02:04:44 2024  
 Response via : Initial Calibration

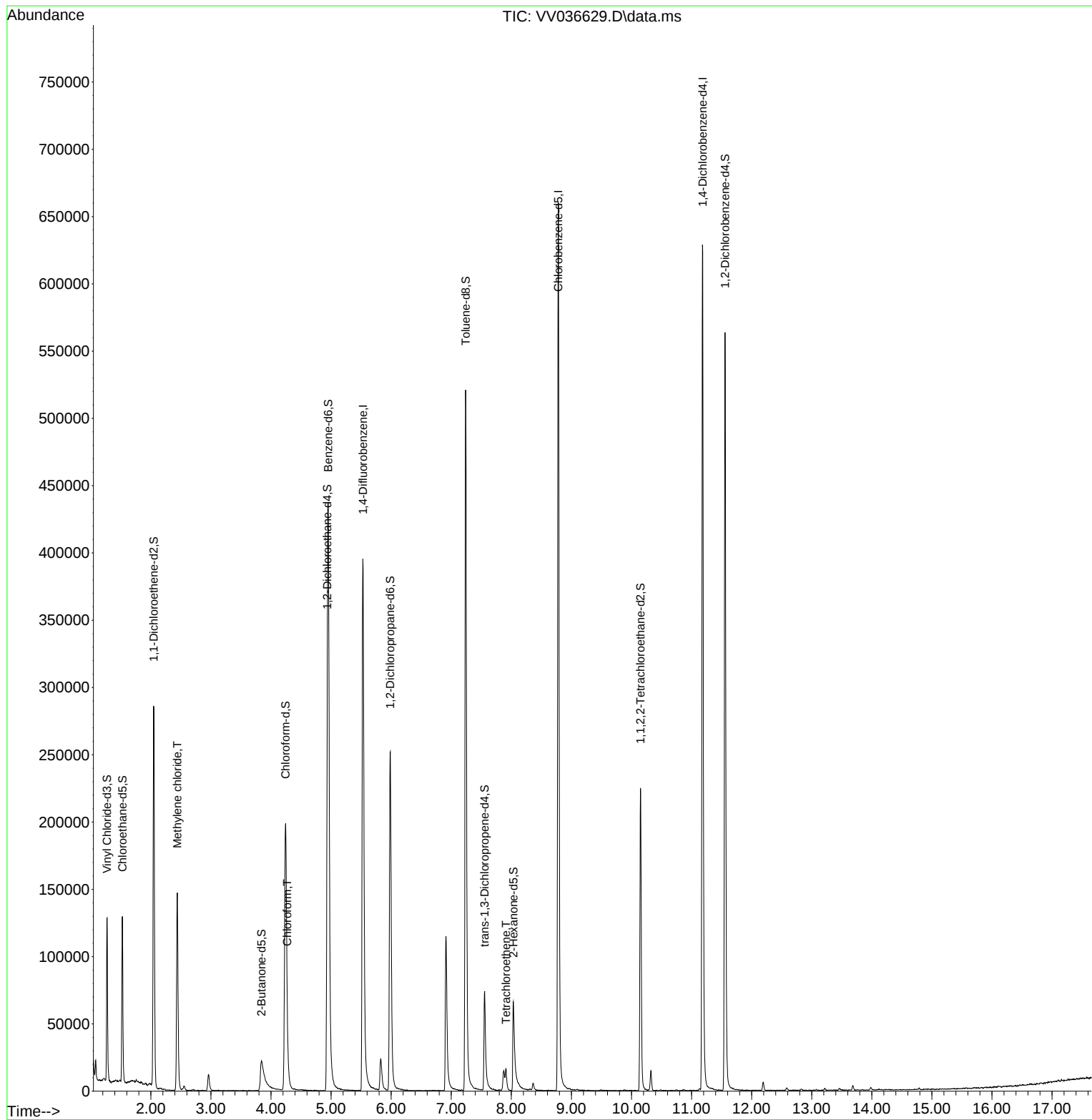
| Compound                      | R.T.   | QIon  | Response | Conc     | Units  | Dev(Min) |
|-------------------------------|--------|-------|----------|----------|--------|----------|
| -----                         |        |       |          |          |        |          |
| Internal Standards            |        |       |          |          |        |          |
| 1) 1,4-Difluorobenzene        | 5.529  | 114   | 387266   | 25.000   | ug/L   | 0.00     |
| 28) Chlorobenzene-d5          | 8.783  | 117   | 401081   | 25.000   | ug/L   | 0.00     |
| 58) 1,4-Dichlorobenzene-d4    | 11.185 | 152   | 185787   | 25.000   | ug/L   | 0.00     |
| System Monitoring Compounds   |        |       |          |          |        |          |
| 4) Vinyl Chloride-d3          | 1.272  | 65    | 84593    | 19.944   | ug/L   | 0.00     |
| Spiked Amount                 | 25.000 | Range | 30 - 150 | Recovery | =      | 79.760%  |
| 7) Chloroethane-d5            | 1.526  | 69    | 85030    | 22.196   | ug/L   | 0.00     |
| Spiked Amount                 | 25.000 | Range | 30 - 150 | Recovery | =      | 88.800%  |
| 11) 1,1-Dichloroethene-d2     | 2.047  | 65    | 45972    | 20.498   | ug/L   | 0.00     |
| Spiked Amount                 | 25.000 | Range | 45 - 110 | Recovery | =      | 82.000%  |
| 21) 2-Butanone-d5             | 3.841  | 46    | 33135    | 33.474   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000 | Range | 20 - 135 | Recovery | =      | 66.940%  |
| 24) Chloroform-d              | 4.243  | 84    | 226543   | 22.119   | ug/L   | 0.00     |
| Spiked Amount                 | 25.000 | Range | 40 - 150 | Recovery | =      | 88.480%  |
| 26) 1,2-Dichloroethane-d4     | 4.937  | 65    | 124822   | 24.703   | ug/L   | 0.00     |
| Spiked Amount                 | 25.000 | Range | 70 - 130 | Recovery | =      | 98.800%  |
| 32) Benzene-d6                | 4.953  | 84    | 411072   | 21.625   | ug/L   | 0.00     |
| Spiked Amount                 | 25.000 | Range | 20 - 135 | Recovery | =      | 86.520%  |
| 36) 1,2-Dichloropropane-d6    | 5.982  | 67    | 123299   | 22.764   | ug/L   | 0.00     |
| Spiked Amount                 | 25.000 | Range | 70 - 120 | Recovery | =      | 91.040%  |
| 41) Toluene-d8                | 7.239  | 98    | 371404   | 20.474   | ug/L   | 0.00     |
| Spiked Amount                 | 25.000 | Range | 30 - 130 | Recovery | =      | 81.880%  |
| 43) trans-1,3-Dichloroprop... | 7.555  | 79    | 49428    | 20.528   | ug/L   | 0.00     |
| Spiked Amount                 | 25.000 | Range | 30 - 135 | Recovery | =      | 82.120%  |
| 47) 2-Hexanone-d5             | 8.034  | 63    | 24882    | 34.519   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000 | Range | 20 - 135 | Recovery | =      | 69.040%  |
| 56) 1,1,2,2-Tetrachloroeth... | 10.149 | 84    | 106888   | 22.642   | ug/L   | 0.00     |
| Spiked Amount                 | 25.000 | Range | 45 - 120 | Recovery | =      | 90.560%  |
| 66) 1,2-Dichlorobenzene-d4    | 11.558 | 152   | 161734   | 24.938   | ug/L   | 0.00     |
| Spiked Amount                 | 25.000 | Range | 75 - 120 | Recovery | =      | 99.760%  |
| Target Compounds              |        |       |          |          |        |          |
|                               |        |       |          |          | Qvalue |          |
| 16) Methylene chloride        | 2.439  | 84    | 70738    | 9.817    | ug/L   | 97       |
| 25) Chloroform                | 4.268  | 83    | 6816     | 0.597    | ug/L   | 96       |
| 46) Tetrachloroethene         | 7.911  | 164   | 4704     | 0.636    | ug/L   | 91       |
| -----                         |        |       |          |          |        |          |

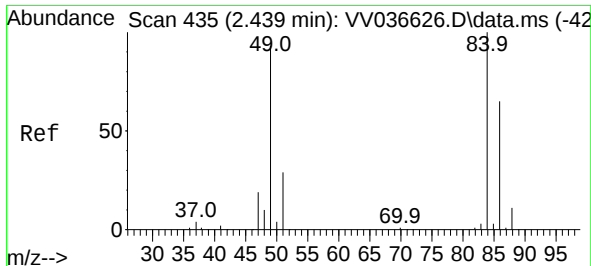
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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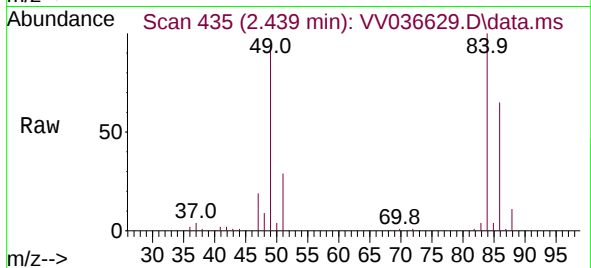
Quant Time: Jul 23 02:06:13 2024  
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_V\Method\SFAMVLM072224SMA.M  
Quant Title : VOC Analysis  
QLast Update : Tue Jul 23 02:04:44 2024  
Response via : Initial Calibration



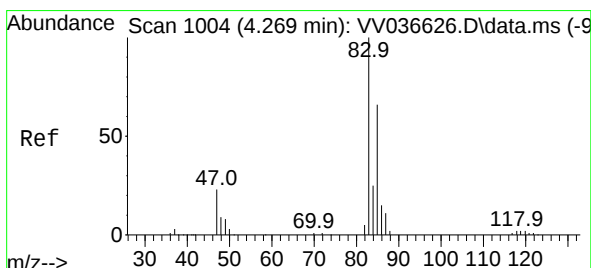
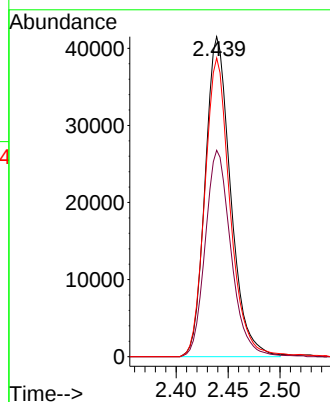
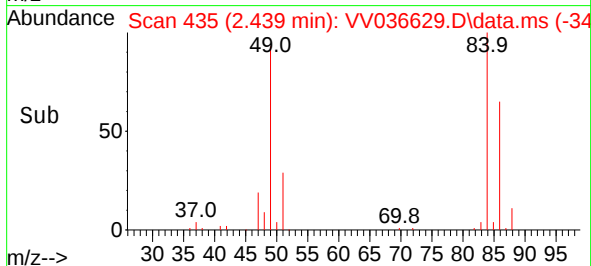


#16  
Methylene chloride  
Concen: 9.817 ug/L  
RT: 2.439 min Scan# 41  
Delta R.T. -0.000 min  
Lab File: VV036629.D  
Acq: 22 Jul 2024 16:03

Instrument :  
MSVOA\_V  
ClientSampleId :

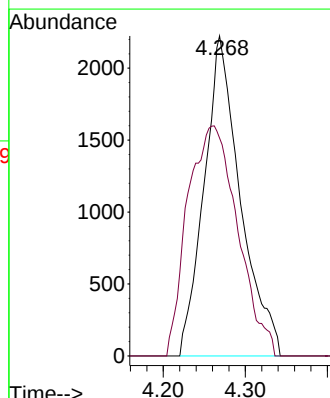
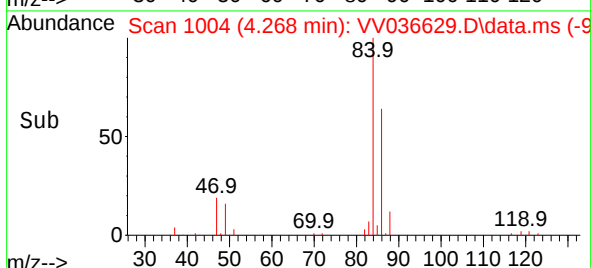
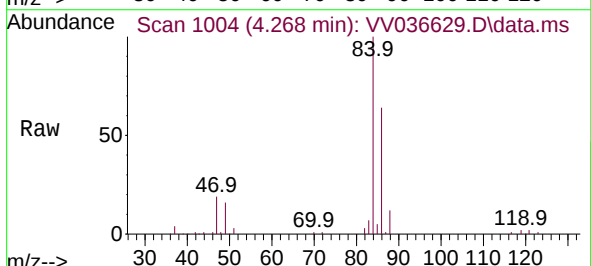


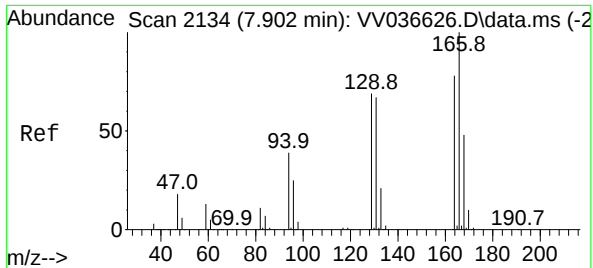
Tgt Ion: 84 Resp: 70738  
Ion Ratio Lower Upper  
84 100  
86 64.5 47.2 87.6  
49 93.4 67.3 125.1



#25  
Chloroform  
Concen: 0.597 ug/L  
RT: 4.268 min Scan# 1004  
Delta R.T. -0.000 min  
Lab File: VV036629.D  
Acq: 22 Jul 2024 16:03

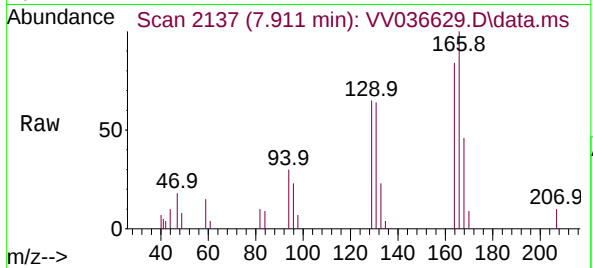
Tgt Ion: 83 Resp: 6816  
Ion Ratio Lower Upper  
83 100  
85 68.1 45.6 84.6





#46  
 Tetrachloroethene  
 Concen: 0.636 ug/L  
 RT: 7.911 min Scan# 21  
 Delta R.T. 0.010 min  
 Lab File: VV036629.D  
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|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 164   | Resp: | 4704  |
| Ion      | Ratio | Lower | Upper |
| 164      | 100   |       |       |
| 129      | 78.0  | 61.0  | 113.2 |
| 131      | 76.5  | 60.1  | 111.5 |
| 166      | 119.7 | 89.7  | 166.7 |

