

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_V\Data\VW062024\  
 Data File : VW036188.D  
 Acq On : 21 Jun 2024 01:58  
 Operator : SY/MD  
 Sample : P2962-19  
 Misc : 4.47g/10.0mL/MSVOA\_V/SOIL/A  
 ALS Vial : 44 Sample Multiplier: 1

Instrument :  
 MSVOA\_V  
 ClientSampleId :

Quant Time: Jun 21 05:16:31 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

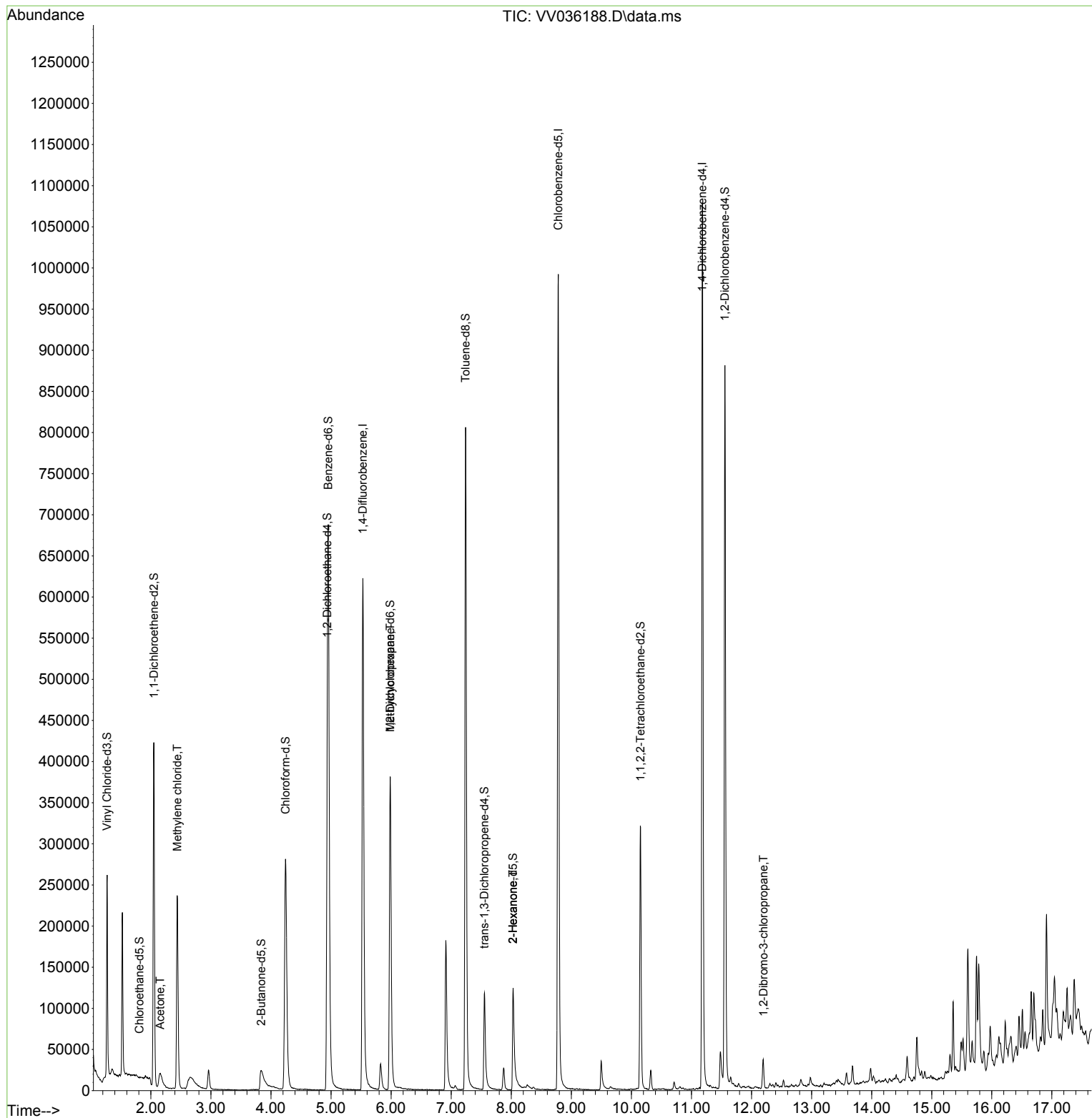
| Compound                      | R.T.   | QIon  | Response | Conc     | Units  | Dev(Min) |
|-------------------------------|--------|-------|----------|----------|--------|----------|
| -----                         |        |       |          |          |        |          |
| Internal Standards            |        |       |          |          |        |          |
| 1) 1,4-Difluorobenzene        | 5.529  | 114   | 567831   | 25.000   | ug/L   | 0.00     |
| 28) Chlorobenzene-d5          | 8.783  | 117   | 573673   | 25.000   | ug/L   | 0.00     |
| 58) 1,4-Dichlorobenzene-d4    | 11.181 | 152   | 286479   | 25.000   | ug/L   | 0.00     |
| System Monitoring Compounds   |        |       |          |          |        |          |
| 4) Vinyl Chloride-d3          | 1.272  | 65    | 166754   | 15.973   | ug/L   | 0.00     |
| Spiked Amount                 | 25.000 | Range | 30 - 150 | Recovery | =      | 63.880%  |
| 7) Chloroethane-d5            | 1.809  | 69    | 158      | 0.019    | ug/L   | 0.28     |
| Spiked Amount                 | 25.000 | Range | 30 - 150 | Recovery | =      | 0.080%#  |
| 11) 1,1-Dichloroethene-d2     | 2.050  | 65    | 71513    | 15.388   | ug/L   | 0.00     |
| Spiked Amount                 | 25.000 | Range | 45 - 110 | Recovery | =      | 61.560%  |
| 21) 2-Butanone-d5             | 3.838  | 46    | 63728    | 26.606   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000 | Range | 20 - 135 | Recovery | =      | 53.220%  |
| 24) Chloroform-d              | 4.243  | 84    | 313309   | 17.355   | ug/L   | 0.00     |
| Spiked Amount                 | 25.000 | Range | 40 - 150 | Recovery | =      | 69.440%  |
| 26) 1,2-Dichloroethane-d4     | 4.937  | 65    | 183947   | 19.434   | ug/L   | 0.00     |
| Spiked Amount                 | 25.000 | Range | 70 - 130 | Recovery | =      | 77.720%  |
| 32) Benzene-d6                | 4.953  | 84    | 646198   | 18.950   | ug/L   | 0.00     |
| Spiked Amount                 | 25.000 | Range | 20 - 135 | Recovery | =      | 75.800%  |
| 36) 1,2-Dichloropropane-d6    | 5.986  | 67    | 194841   | 18.144   | ug/L   | 0.00     |
| Spiked Amount                 | 25.000 | Range | 70 - 120 | Recovery | =      | 72.560%  |
| 41) Toluene-d8                | 7.239  | 98    | 573203   | 19.051   | ug/L   | 0.00     |
| Spiked Amount                 | 25.000 | Range | 30 - 130 | Recovery | =      | 76.200%  |
| 43) trans-1,3-Dichloroprop... | 7.555  | 79    | 80558    | 18.296   | ug/L   | 0.00     |
| Spiked Amount                 | 25.000 | Range | 30 - 135 | Recovery | =      | 73.200%  |
| 47) 2-Hexanone-d5             | 8.030  | 63    | 54249    | 37.286   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000 | Range | 20 - 135 | Recovery | =      | 74.580%  |
| 56) 1,1,2,2-Tetrachloroeth... | 10.149 | 84    | 157521   | 19.630   | ug/L   | 0.00     |
| Spiked Amount                 | 25.000 | Range | 45 - 120 | Recovery | =      | 78.520%  |
| 66) 1,2-Dichlorobenzene-d4    | 11.558 | 152   | 234994   | 22.369   | ug/L   | 0.00     |
| Spiked Amount                 | 25.000 | Range | 75 - 120 | Recovery | =      | 89.480%  |
| Target Compounds              |        |       |          |          |        |          |
|                               |        |       |          |          | Qvalue |          |
| 13) Acetone                   | 2.156  | 43    | 45611    | 12.225   | ug/L   | 94       |
| 16) Methylene chloride        | 2.439  | 84    | 109593   | 8.529    | ug/L   | 93       |
| 35) Methylcyclohexane         | 5.986  | 83    | 49052    | 3.085    | ug/L # | 20       |
| 48) 2-Hexanone                | 8.030  | 43    | 5590     | 1.336    | ug/L # | 80       |
| 68) 1,2-Dibromo-3-chloropr... | 12.197 | 75    | 1117     | 0.737    | ug/L # | 13       |
| -----                         |        |       |          |          |        |          |

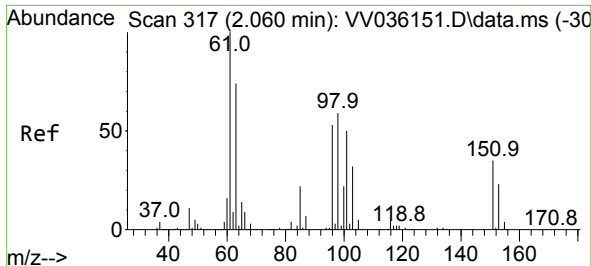
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_V\Method\SFAMVLM053024SMA.M  
Quant Title : VOC Analysis  
QLast Update : Thu Jun 20 05:02:48 2024  
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#13

Acetone

Concen: 12.225 ug/L

RT: 2.156 min Scan# 347

Delta R.T. 0.010 min

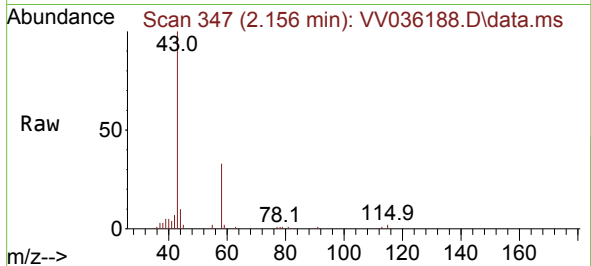
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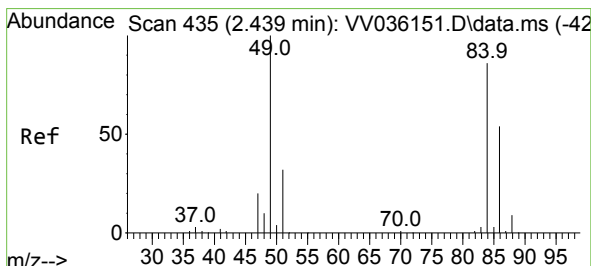
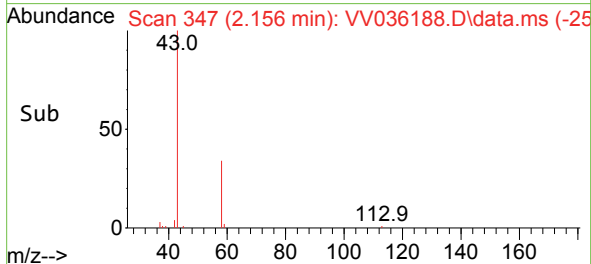
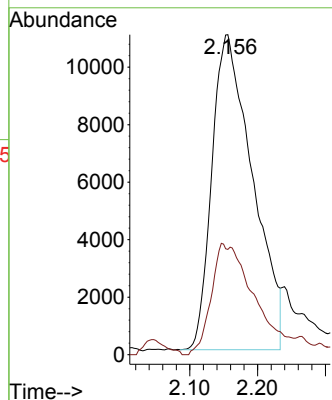


Tgt Ion: 43 Resp: 45611

Ion Ratio Lower Upper

43 100

58 14.6 0.0 24.2



#16

Methylene chloride

Concen: 8.529 ug/L

RT: 2.439 min Scan# 435

Delta R.T. 0.000 min

Lab File: VV036188.D

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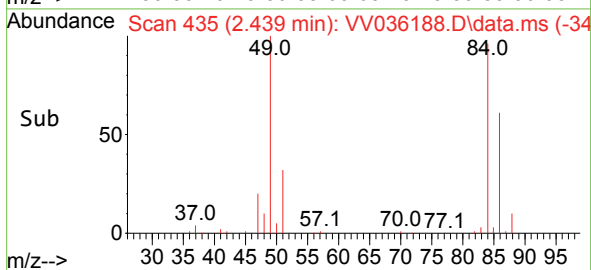
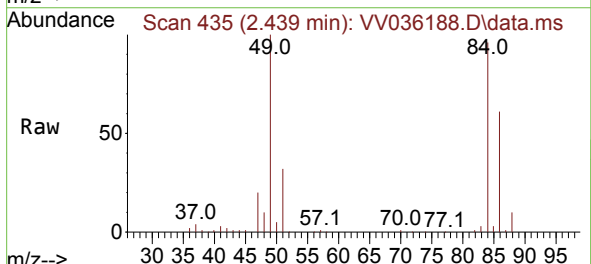
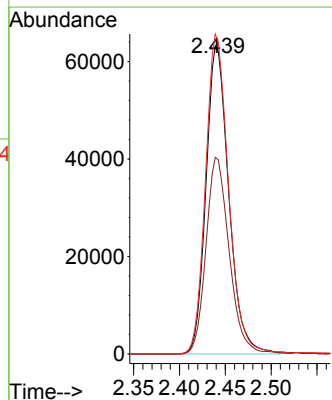
Tgt Ion: 84 Resp: 109593

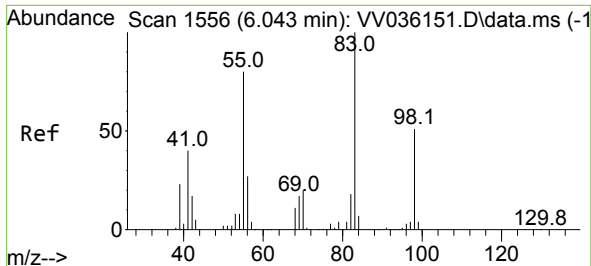
Ion Ratio Lower Upper

84 100

86 63.8 44.6 82.8

49 103.8 81.1 150.5

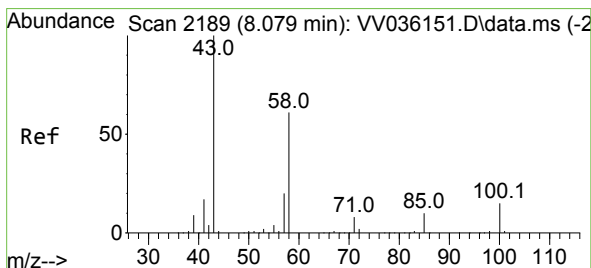
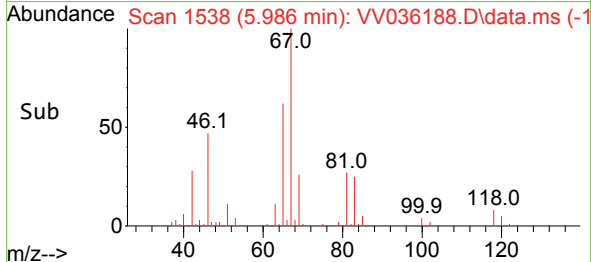
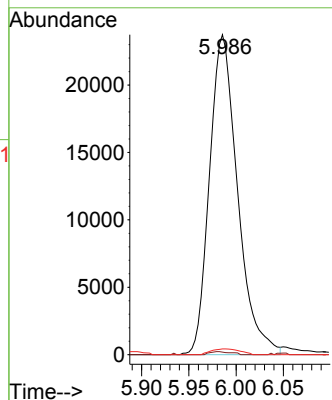
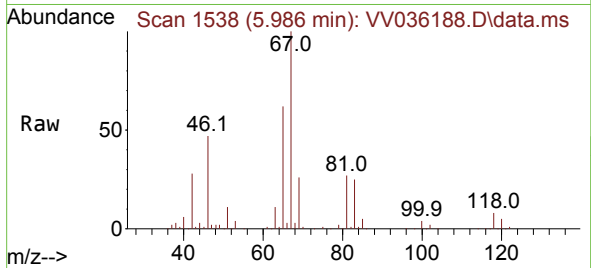




#35  
Methylcyclohexane  
Concen: 3.085 ug/L  
RT: 5.986 min Scan# 11  
Delta R.T. -0.058 min  
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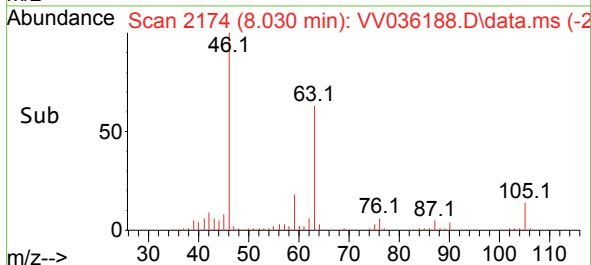
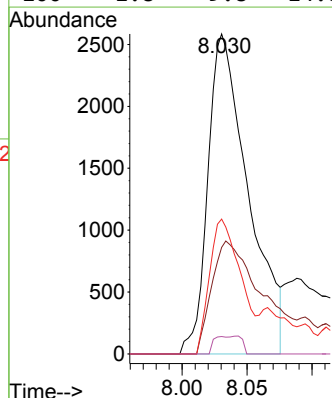
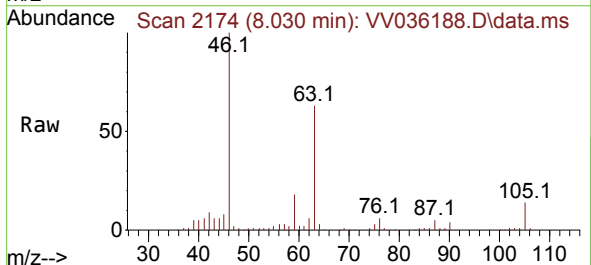
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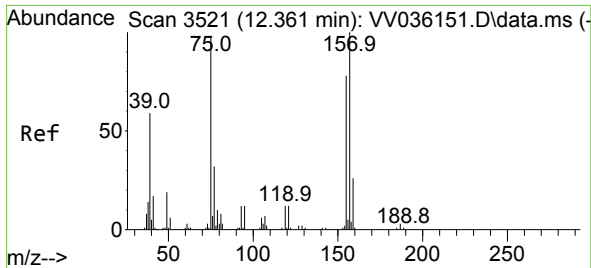
Tgt Ion: 83 Resp: 49052  
Ion Ratio Lower Upper  
83 100  
55 0.5 60.7 91.1#  
98 1.8 38.7 58.1#



#48  
2-Hexanone  
Concen: 1.336 ug/L  
RT: 8.030 min Scan# 2174  
Delta R.T. -0.048 min  
Lab File: VV036188.D  
Acq: 21 Jun 2024 01:58

Tgt Ion: 43 Resp: 5590  
Ion Ratio Lower Upper  
43 100  
58 44.6 45.4 68.0#  
57 32.4 15.8 23.8#  
100 1.8 9.8 14.8#





#68

1,2-Dibromo-3-chloropropane

Concen: 0.737 ug/L

RT: 12.197 min Scan# 34

Delta R.T. -0.164 min

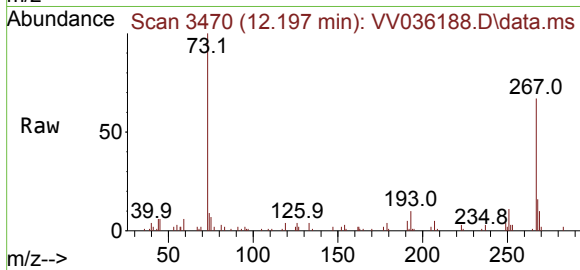
Lab File: VV036188.D

Acq: 21 Jun 2024 01:58

Instrument :

MSVOA\_V

ClientSampleId :



Tgt Ion: 75 Resp: 1117

Ion Ratio Lower Upper

75 100

155 20.0 63.3 94.9#

157 0.0 82.4 123.6#

