

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_V\Data\VV052424\  
 Data File : VV035772.D  
 Acq On : 25 May 2024 00:56  
 Operator : SY/MD  
 Sample : P2570-13  
 Misc : 5.51g/10.0mL/MSVOA\_V/SOIL/VIAL B  
 ALS Vial : 43 Sample Multiplier: 1

Instrument :  
 MSVOA\_V  
 ClientSampleId :

Quant Time: May 25 02:49:58 2024  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_V\Method\SFAMVLM050624SMA.M  
 Quant Title : VOC Analysis  
 QLast Update : Sat May 25 02:41:55 2024  
 Response via : Initial Calibration

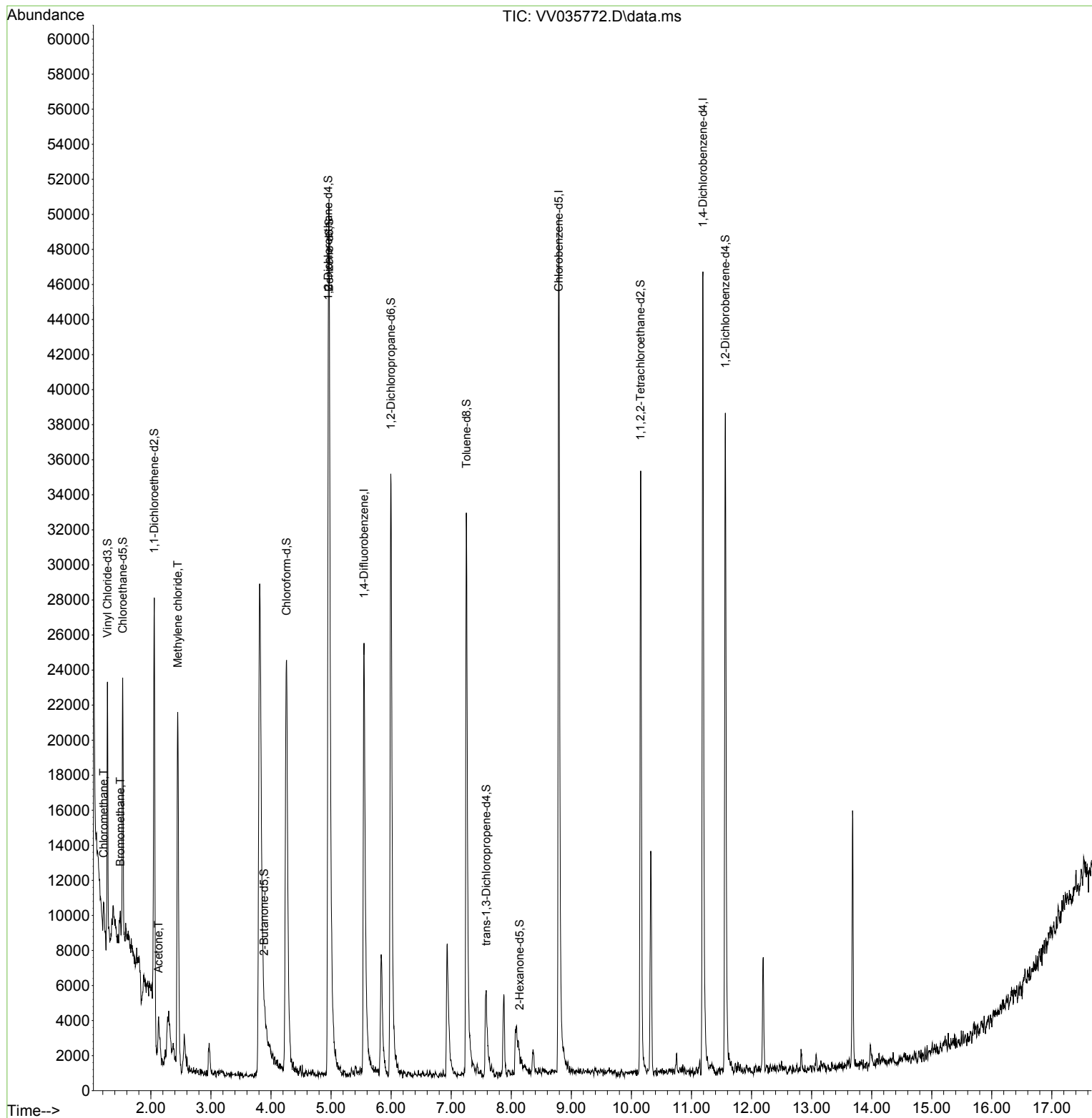
| Compound                      | R.T.   | QIon  | Response | Conc     | Units  | Dev(Min)  |
|-------------------------------|--------|-------|----------|----------|--------|-----------|
| -----                         |        |       |          |          |        |           |
| Internal Standards            |        |       |          |          |        |           |
| 1) 1,4-Difluorobenzene        | 5.548  | 114   | 25870    | 25.000   | ug/L   | # 0.02    |
| 28) Chlorobenzene-d5          | 8.793  | 117   | 31798    | 25.000   | ug/L   | 0.00      |
| 58) 1,4-Dichlorobenzene-d4    | 11.191 | 152   | 14579    | 25.000   | ug/L   | 0.00      |
| System Monitoring Compounds   |        |       |          |          |        |           |
| 4) Vinyl Chloride-d3          | 1.278  | 65    | 9565     | 23.921   | ug/L   | 0.00      |
| Spiked Amount                 | 25.000 | Range | 30 - 150 | Recovery | =      | 95.680%   |
| 7) Chloroethane-d5            | 1.532  | 69    | 10025    | 31.078   | ug/L   | 0.00      |
| Spiked Amount                 | 25.000 | Range | 30 - 150 | Recovery | =      | 124.320%  |
| 11) 1,1-Dichloroethene-d2     | 2.056  | 65    | 4621     | 26.104   | ug/L   | 0.00      |
| Spiked Amount                 | 25.000 | Range | 45 - 110 | Recovery | =      | 104.400%  |
| 21) 2-Butanone-d5             | 3.886  | 46    | 419      | 3.692    | ug/L   | 0.05      |
| Spiked Amount                 | 50.000 | Range | 20 - 135 | Recovery | =      | 7.380%#   |
| 24) Chloroform-d              | 4.259  | 84    | 29576    | 38.455   | ug/L   | 0.01      |
| Spiked Amount                 | 25.000 | Range | 40 - 150 | Recovery | =      | 153.840%# |
| 26) 1,2-Dichloroethane-d4     | 4.953  | 65    | 20596    | 54.169   | ug/L   | 0.01      |
| Spiked Amount                 | 25.000 | Range | 70 - 130 | Recovery | =      | 216.680%# |
| 32) Benzene-d6                | 4.966  | 84    | 40262    | 23.131   | ug/L   | 0.00      |
| Spiked Amount                 | 25.000 | Range | 20 - 135 | Recovery | =      | 92.520%   |
| 36) 1,2-Dichloropropane-d6    | 5.995  | 67    | 19270    | 35.874   | ug/L   | 0.00      |
| Spiked Amount                 | 25.000 | Range | 70 - 120 | Recovery | =      | 143.480%# |
| 41) Toluene-d8                | 7.252  | 98    | 25709    | 16.596   | ug/L   | 0.01      |
| Spiked Amount                 | 25.000 | Range | 30 - 130 | Recovery | =      | 66.400%   |
| 43) trans-1,3-Dichloroprop... | 7.584  | 79    | 4254     | 18.517   | ug/L   | 0.03      |
| Spiked Amount                 | 25.000 | Range | 30 - 135 | Recovery | =      | 74.080%   |
| 47) 2-Hexanone-d5             | 8.140  | 63    | 86       | 0.890    | ug/L   | 0.11      |
| Spiked Amount                 | 50.000 | Range | 20 - 135 | Recovery | =      | 1.780%#   |
| 56) 1,1,2,2-Tetrachloroeth... | 10.153 | 84    | 18550    | 35.837   | ug/L   | 0.00      |
| Spiked Amount                 | 25.000 | Range | 45 - 120 | Recovery | =      | 143.360%# |
| 66) 1,2-Dichlorobenzene-d4    | 11.564 | 152   | 11042    | 21.824   | ug/L   | 0.00      |
| Spiked Amount                 | 25.000 | Range | 75 - 120 | Recovery | =      | 87.280%   |
| Target Compounds              |        |       |          |          |        |           |
|                               |        |       |          |          | Qvalue |           |
| 3) Chloromethane              | 1.214  | 50    | 1085     | 2.055    | ug/L   | 88        |
| 6) Bromomethane               | 1.491  | 94    | 534      | 1.546    | ug/L   | 98        |
| 13) Acetone                   | 2.127  | 43    | 2557     | 15.393   | ug/L   | # 49      |
| 16) Methylene chloride        | 2.449  | 84    | 9506     | 15.935   | ug/L   | 100       |
| -----                         |        |       |          |          |        |           |

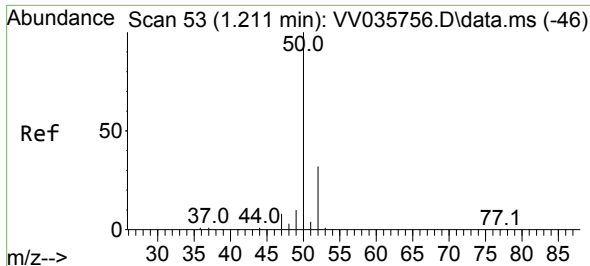
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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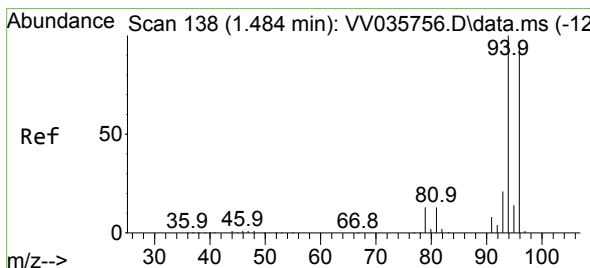
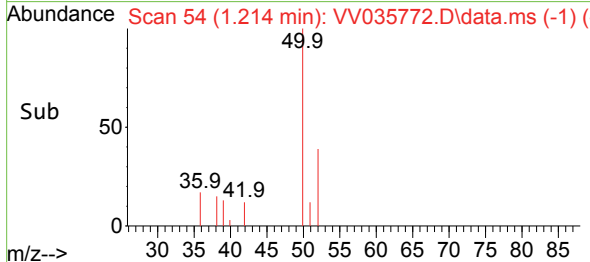
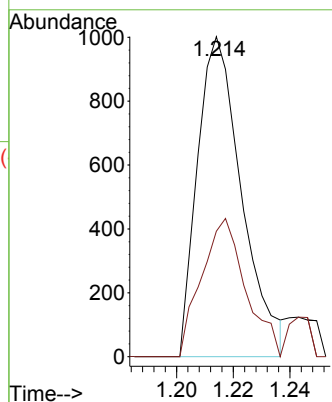
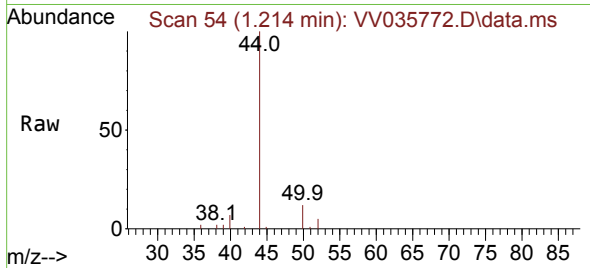




#3  
Chloromethane  
Concen: 2.055 ug/L  
RT: 1.214 min Scan# 54  
Delta R.T. 0.003 min  
Lab File: VV035772.D  
Acq: 25 May 2024 00:56

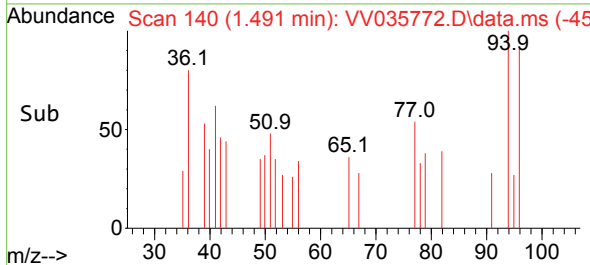
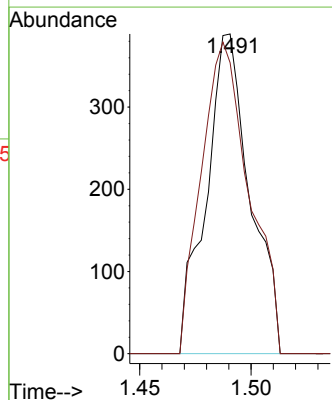
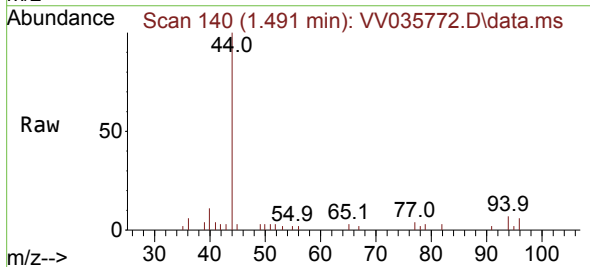
Instrument :  
MSVOA\_V  
ClientSampleId :

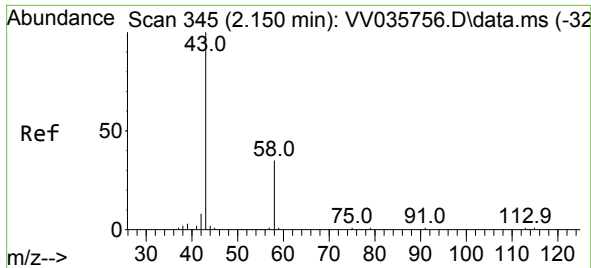
Tgt Ion: 50 Resp: 1085  
Ion Ratio Lower Upper  
50 100  
52 39.2 22.7 42.1



#6  
Bromomethane  
Concen: 1.546 ug/L  
RT: 1.491 min Scan# 140  
Delta R.T. 0.006 min  
Lab File: VV035772.D  
Acq: 25 May 2024 00:56

Tgt Ion: 94 Resp: 534  
Ion Ratio Lower Upper  
94 100  
96 91.0 65.2 121.0





#13

Acetone

Concen: 15.393 ug/L

RT: 2.127 min Scan# 31

Delta R.T. -0.022 min

Lab File: VV035772.D

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Instrument :

MSVOA\_V

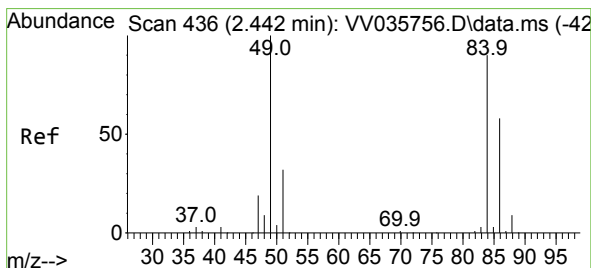
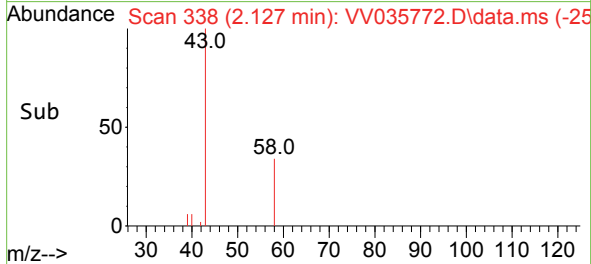
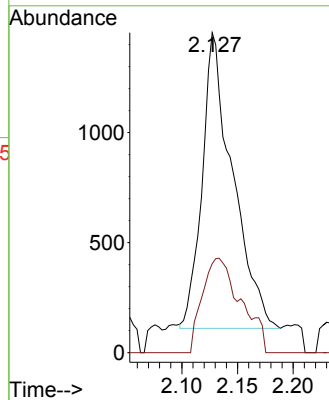
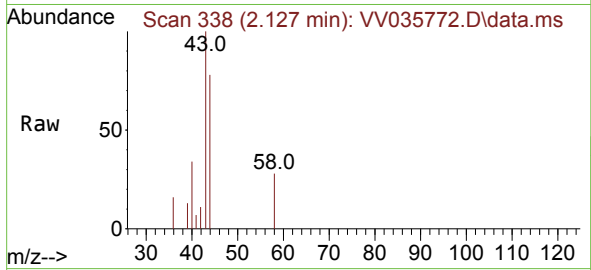
ClientSampleId :

Tgt Ion: 43 Resp: 2557

Ion Ratio Lower Upper

43 100

58 30.9 0.0 22.8#



#16

Methylene chloride

Concen: 15.935 ug/L

RT: 2.449 min Scan# 438

Delta R.T. 0.006 min

Lab File: VV035772.D

Acq: 25 May 2024 00:56

Tgt Ion: 84 Resp: 9506

Ion Ratio Lower Upper

84 100

86 61.8 43.8 81.3

49 107.4 75.3 139.9

