

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_U\Data\VU040323\  
 Data File : VU053528.D  
 Acq On : 03 Apr 2023 18:25  
 Operator : JC/MD  
 Sample : 02158-26  
 Misc : 5.0mL/MSVOA\_U/WATER  
 ALS Vial : 21 Sample Multiplier: 1

Instrument :  
 MSVOA\_U  
 ClientSampleId :  
 TB(20230331)

Quant Time: Apr 04 05:19:02 2023  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_U\Method\SFAMULM033123WMA.M  
 Quant Title : VOC Analysis  
 QLast Update : Sat Apr 01 04:51:17 2023  
 Response via : Initial Calibration

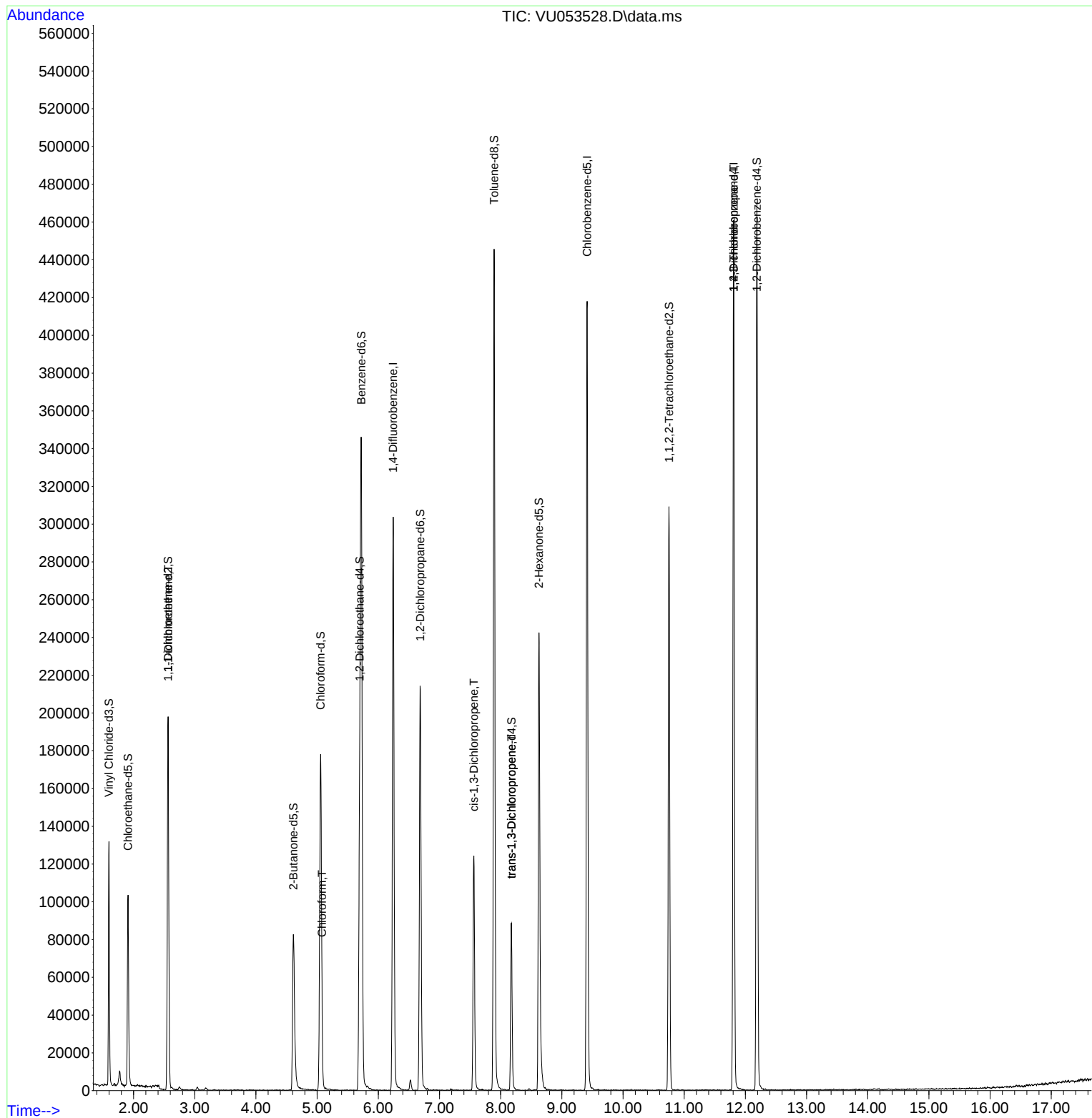
| Compound                      | R.T.    | QIon  | Response | Conc     | Units  | Dev(Min)  |
|-------------------------------|---------|-------|----------|----------|--------|-----------|
| -----                         |         |       |          |          |        |           |
| Internal Standards            |         |       |          |          |        |           |
| 1) 1,4-Difluorobenzene        | 6.243   | 114   | 258621   | 50.000   | ug/L   | 0.00      |
| 28) Chlorobenzene-d5          | 9.414   | 117   | 241881   | 50.000   | ug/L   | 0.00      |
| 58) 1,4-Dichlorobenzene-d4    | 11.809  | 152   | 124678   | 50.000   | ug/L   | 0.00      |
| System Monitoring Compounds   |         |       |          |          |        |           |
| 4) Vinyl Chloride-d3          | 1.597   | 65    | 92828    | 46.096   | ug/L   | 0.00      |
| Spiked Amount                 | 50.000  | Range | 60 - 135 | Recovery | =      | 92.200%   |
| 7) Chloroethane-d5            | 1.909   | 69    | 78222    | 50.379   | ug/L   | 0.00      |
| Spiked Amount                 | 50.000  | Range | 70 - 130 | Recovery | =      | 100.760%  |
| 11) 1,1-Dichloroethene-d2     | 2.562   | 63    | 114074   | 36.594   | ug/L   | 0.00      |
| Spiked Amount                 | 50.000  | Range | 60 - 125 | Recovery | =      | 73.180%   |
| 21) 2-Butanone-d5             | 4.613   | 46    | 114824   | 125.938  | ug/L   | 0.00      |
| Spiked Amount                 | 100.000 | Range | 40 - 130 | Recovery | =      | 125.940%  |
| 24) Chloroform-d              | 5.057   | 84    | 162476   | 48.785   | ug/L   | 0.00      |
| Spiked Amount                 | 50.000  | Range | 70 - 125 | Recovery | =      | 97.580%   |
| 26) 1,2-Dichloroethane-d4     | 5.697   | 65    | 105214   | 53.463   | ug/L   | 0.00      |
| Spiked Amount                 | 50.000  | Range | 70 - 125 | Recovery | =      | 106.920%  |
| 32) Benzene-d6                | 5.723   | 84    | 337856   | 51.747   | ug/L   | 0.00      |
| Spiked Amount                 | 50.000  | Range | 70 - 125 | Recovery | =      | 103.500%  |
| 36) 1,2-Dichloropropane-d6    | 6.684   | 67    | 105698   | 52.965   | ug/L   | 0.00      |
| Spiked Amount                 | 50.000  | Range | 70 - 120 | Recovery | =      | 105.920%  |
| 41) Toluene-d8                | 7.893   | 98    | 312228   | 48.114   | ug/L   | 0.00      |
| Spiked Amount                 | 50.000  | Range | 80 - 120 | Recovery | =      | 96.220%   |
| 43) trans-1,3-Dichloroprop... | 8.176   | 79    | 52406    | 50.873   | ug/L   | 0.00      |
| Spiked Amount                 | 50.000  | Range | 60 - 125 | Recovery | =      | 101.740%  |
| 47) 2-Hexanone-d5             | 8.626   | 63    | 89671    | 131.660  | ug/L   | 0.00      |
| Spiked Amount                 | 100.000 | Range | 45 - 130 | Recovery | =      | 131.660%# |
| 56) 1,1,2,2-Tetrachloroeth... | 10.751  | 84    | 151174   | 53.746   | ug/L   | 0.00      |
| Spiked Amount                 | 50.000  | Range | 65 - 120 | Recovery | =      | 107.500%  |
| 66) 1,2-Dichlorobenzene-d4    | 12.189  | 152   | 125458   | 48.207   | ug/L   | 0.00      |
| Spiked Amount                 | 50.000  | Range | 80 - 120 | Recovery | =      | 96.420%   |
| Target Compounds              |         |       |          |          |        |           |
|                               |         |       |          |          | Qvalue |           |
| 12) 1,1-Dichloroethene        | 2.565   | 96    | 945      | 0.595    | ug/L # | 1         |
| 25) Chloroform                | 5.079   | 83    | 2136     | 0.705    | ug/L # | 73        |
| 39) cis-1,3-Dichloropropene   | 7.562   | 75    | 2951     | 1.129    | ug/L # | 62        |
| 44) trans-1,3-Dichloropropene | 8.176   | 75    | 2027     | 0.820    | ug/L # | 68        |
| 60) 1,2,3-Trichloropropane    | 11.809  | 75    | 14109    | 7.805    | ug/L # | 63        |
| -----                         |         |       |          |          |        |           |

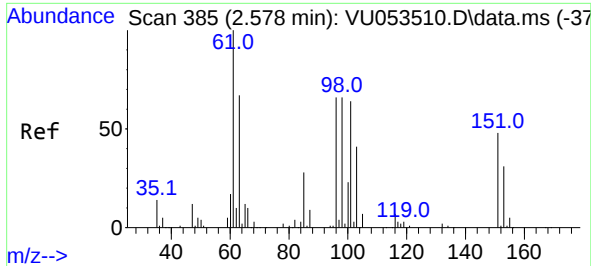
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : VOC Analysis  
QLast Update : Sat Apr 01 04:51:17 2023  
Response via : Initial Calibration





#12

1,1-Dichloroethene

Concen: 0.595 ug/L

RT: 2.565 min Scan# 31

Delta R.T. -0.013 min

Lab File: VU053528.D

Acq: 03 Apr 2023 18:25

Instrument :

MSVOA\_U

ClientSampleId :

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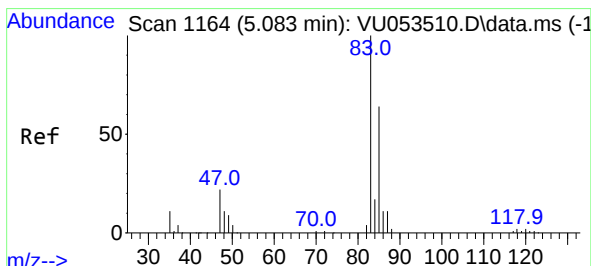
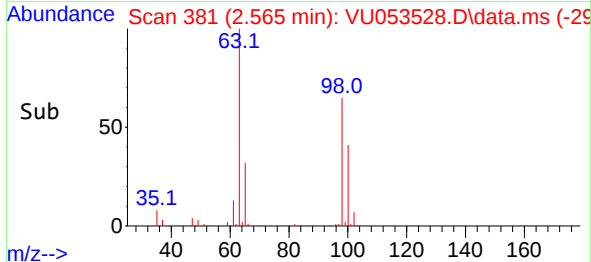
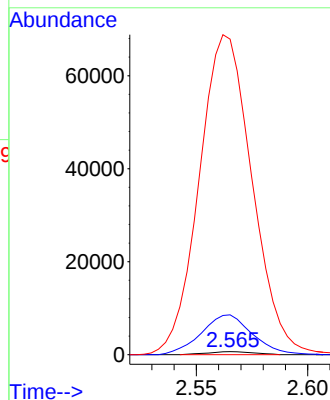
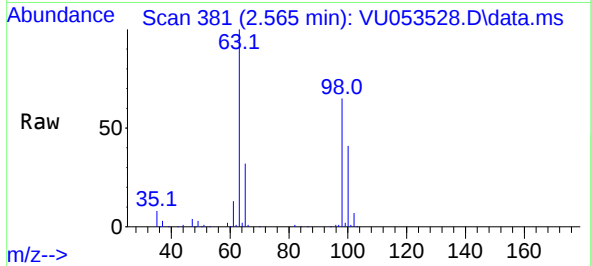
Tgt Ion: 96 Resp: 945

Ion Ratio Lower Upper

96 100

61 1285.3 107.9 200.5#

63 10173.3 79.1 146.9#



#25

Chloroform

Concen: 0.705 ug/L

RT: 5.079 min Scan# 1163

Delta R.T. -0.003 min

Lab File: VU053528.D

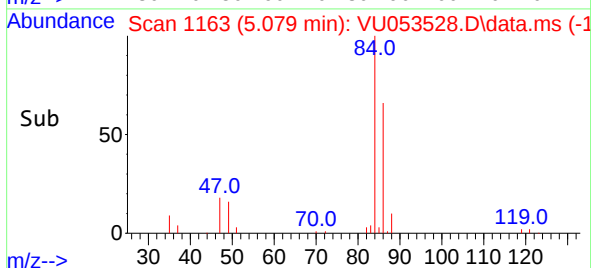
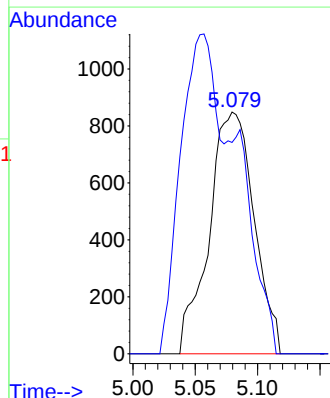
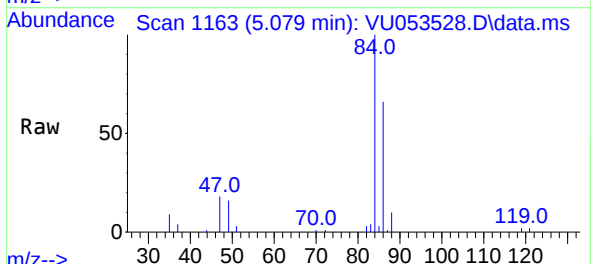
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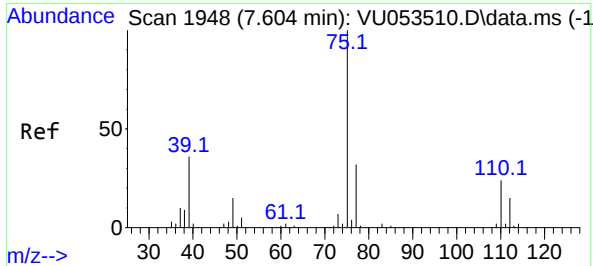
Tgt Ion: 83 Resp: 2136

Ion Ratio Lower Upper

83 100

85 87.4 46.1 85.5#

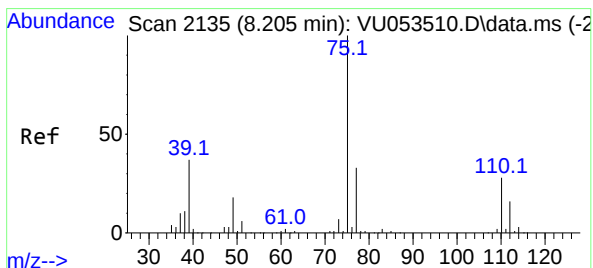
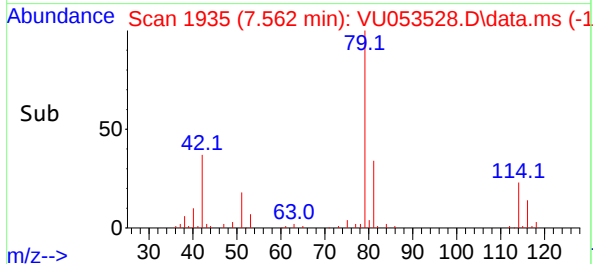
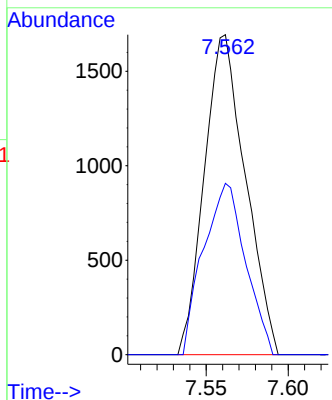
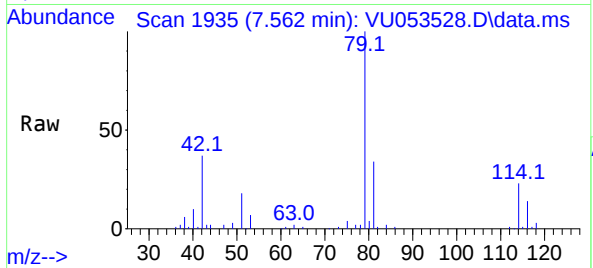




#39  
cis-1,3-Dichloropropene  
Concen: 1.129 ug/L  
RT: 7.562 min Scan# 1948  
Delta R.T. -0.039 min  
Lab File: VU053528.D  
Acq: 03 Apr 2023 18:25

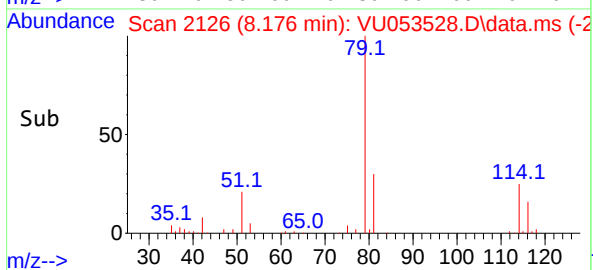
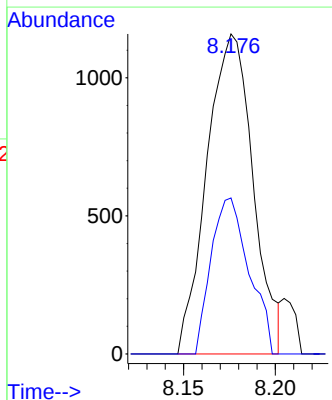
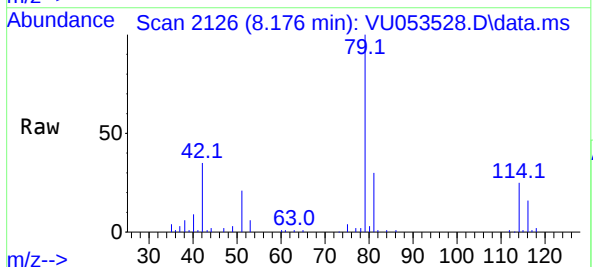
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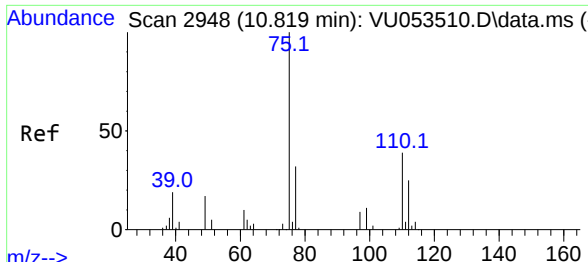
Tgt Ion: 75 Resp: 2951  
Ion Ratio Lower Upper  
75 100  
77 53.5 22.5 41.7#



#44  
trans-1,3-Dichloropropene  
Concen: 0.820 ug/L  
RT: 8.176 min Scan# 2126  
Delta R.T. -0.029 min  
Lab File: VU053528.D  
Acq: 03 Apr 2023 18:25

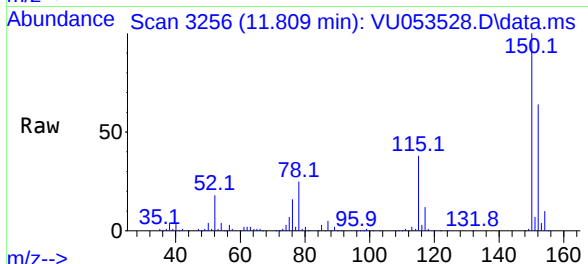
Tgt Ion: 75 Resp: 2027  
Ion Ratio Lower Upper  
75 100  
77 48.7 21.8 40.4#





#60  
 1,2,3-Trichloropropane  
 Concen: 7.805 ug/L  
 RT: 11.809 min Scan# 31  
 Delta R.T. 0.994 min  
 Lab File: VU053528.D  
 Acq: 03 Apr 2023 18:25

Instrument :  
 MSVOA\_U  
 ClientSampleId :  
 TB(20230331)



Tgt Ion: 75 Resp: 14109

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 75  | 100   |       |       |
| 77  | 30.3  | 26.0  | 39.0  |
| 110 | 1.4   | 32.6  | 48.8# |

