

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_U\Data\VU042923\  
 Data File : VU053966.D  
 Acq On : 28 Apr 2023 12:53  
 Operator : JC/MD  
 Sample : VM0428MBL01  
 Misc : 5.00g/5.0mL/100uL//5.0mL/MSVOA\_U/MEOH  
 ALS Vial : 4 Sample Multiplier: 1

Instrument :  
 MSVOA\_U  
 ClientSampleId :

Quant Time: Apr 29 04:31:15 2023  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_U\Method\SFAMULM033123WMA.M  
 Quant Title : VOC Analysis  
 QLast Update : Fri Apr 14 01:54:10 2023  
 Response via : Initial Calibration

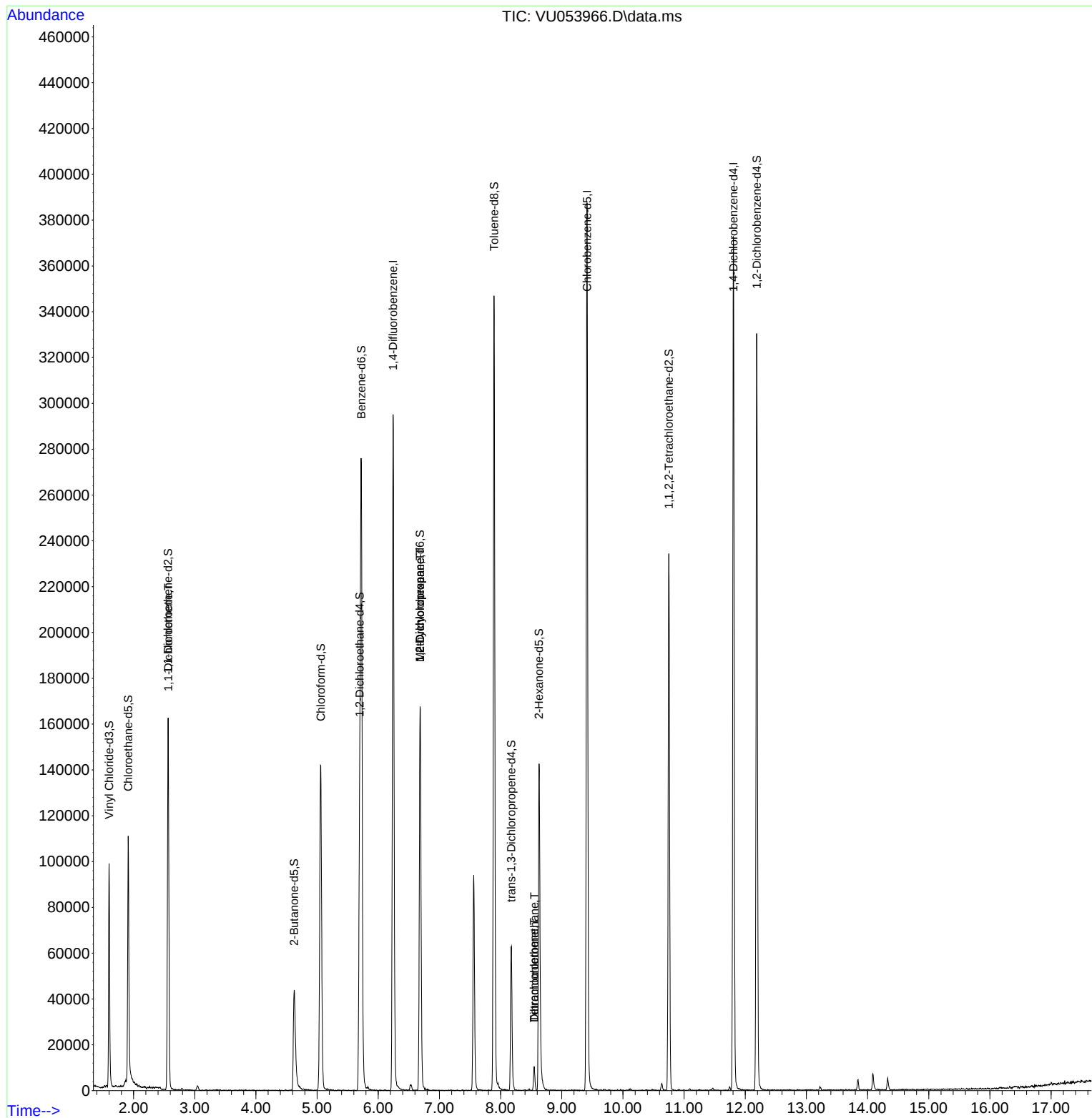
| Compound                      | R.T.    | QIon  | Response | Conc     | Units  | Dev(Min) |
|-------------------------------|---------|-------|----------|----------|--------|----------|
| -----                         |         |       |          |          |        |          |
| Internal Standards            |         |       |          |          |        |          |
| 1) 1,4-Difluorobenzene        | 6.243   | 114   | 258793   | 50.000   | ug/L   | 0.00     |
| 28) Chlorobenzene-d5          | 9.414   | 117   | 232398   | 50.000   | ug/L   | 0.00     |
| 58) 1,4-Dichlorobenzene-d4    | 11.806  | 152   | 105608   | 50.000   | ug/L   | 0.00     |
| System Monitoring Compounds   |         |       |          |          |        |          |
| 4) Vinyl Chloride-d3          | 1.601   | 65    | 75259    | 37.347   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000  | Range | 60 - 135 | Recovery | =      | 74.700%  |
| 7) Chloroethane-d5            | 1.912   | 69    | 77818    | 50.085   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000  | Range | 70 - 130 | Recovery | =      | 100.180% |
| 11) 1,1-Dichloroethene-d2     | 2.565   | 63    | 89392    | 28.657   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000  | Range | 60 - 125 | Recovery | =      | 57.320%# |
| 21) 2-Butanone-d5             | 4.626   | 46    | 65426    | 71.711   | ug/L   | 0.01     |
| Spiked Amount                 | 100.000 | Range | 40 - 130 | Recovery | =      | 71.710%  |
| 24) Chloroform-d              | 5.060   | 84    | 134399   | 40.328   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000  | Range | 70 - 125 | Recovery | =      | 80.660%  |
| 26) 1,2-Dichloroethane-d4     | 5.697   | 65    | 80284    | 40.768   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000  | Range | 70 - 125 | Recovery | =      | 81.540%  |
| 32) Benzene-d6                | 5.723   | 84    | 272070   | 43.371   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000  | Range | 70 - 125 | Recovery | =      | 86.740%  |
| 36) 1,2-Dichloropropane-d6    | 6.684   | 67    | 84043    | 43.832   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000  | Range | 70 - 120 | Recovery | =      | 87.660%  |
| 41) Toluene-d8                | 7.893   | 98    | 247835   | 39.750   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000  | Range | 80 - 120 | Recovery | =      | 79.500%# |
| 43) trans-1,3-Dichloroprop... | 8.176   | 79    | 38015    | 38.409   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000  | Range | 60 - 125 | Recovery | =      | 76.820%  |
| 47) 2-Hexanone-d5             | 8.629   | 63    | 53119    | 81.175   | ug/L   | 0.00     |
| Spiked Amount                 | 100.000 | Range | 45 - 130 | Recovery | =      | 81.170%  |
| 56) 1,1,2,2-Tetrachloroeth... | 10.751  | 84    | 115118   | 42.598   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000  | Range | 65 - 120 | Recovery | =      | 85.200%  |
| 66) 1,2-Dichlorobenzene-d4    | 12.189  | 152   | 91578    | 41.543   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000  | Range | 80 - 120 | Recovery | =      | 83.080%  |
| Target Compounds              |         |       |          |          |        |          |
|                               |         |       |          |          | Qvalue |          |
| 12) 1,1-Dichloroethene        | 2.568   | 96    | 856      | 0.539    | ug/L # | 1        |
| 35) Methylcyclohexane         | 6.684   | 83    | 20065    | 7.454    | ug/L # | 23       |
| 37) 1,2-Dichloropropane       | 6.684   | 63    | 8799     | 5.723    | ug/L # | 86       |
| 46) Tetrachloroethene         | 8.549   | 164   | 2281     | 1.501    | ug/L   | 94       |
| 49) Dibromochloromethane      | 8.552   | 129   | 2604     | 1.484    | ug/L # | 11       |
| -----                         |         |       |          |          |        |          |

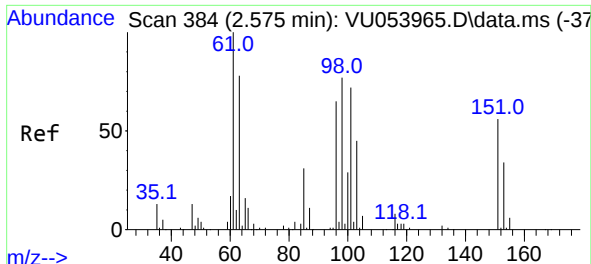
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : VOC Analysis  
QLast Update : Fri Apr 14 01:54:10 2023  
Response via : Initial Calibration





#12

1,1-Dichloroethene

Concen: 0.539 ug/L

RT: 2.568 min Scan# 31

Delta R.T. -0.007 min

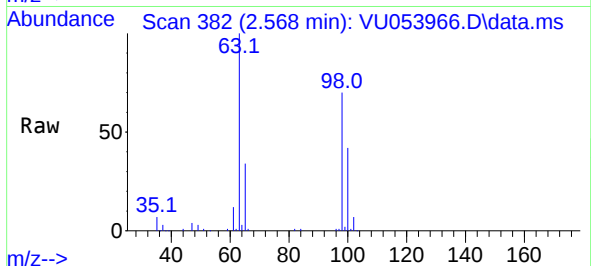
Lab File: VU053966.D

Acq: 28 Apr 2023 12:53

Instrument :

MSVOA\_U

ClientSampleId :



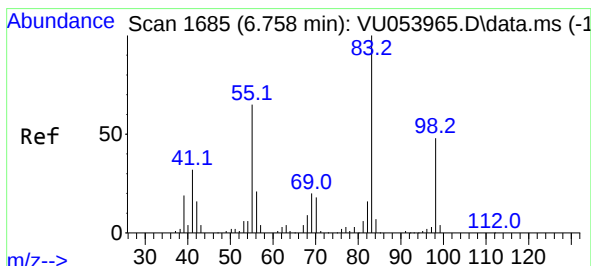
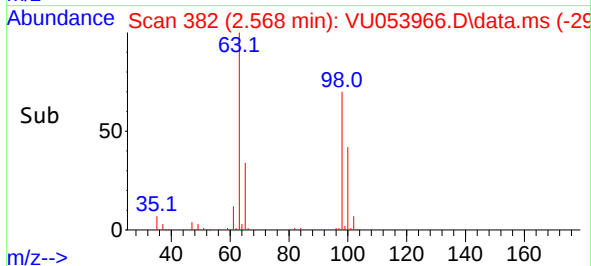
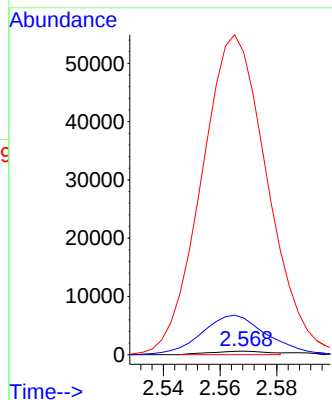
Tgt Ion: 96 Resp: 856

Ion Ratio Lower Upper

96 100

61 1039.2 107.9 200.5#

63 8594.7 79.1 146.9#



#35

Methylcyclohexane

Concen: 7.454 ug/L

RT: 6.684 min Scan# 1662

Delta R.T. -0.074 min

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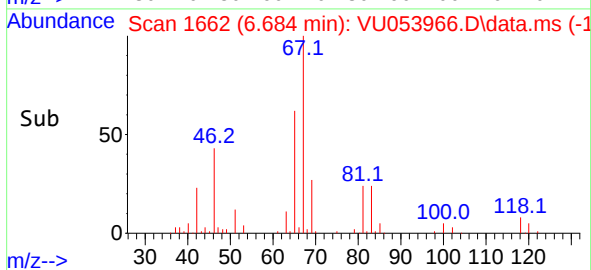
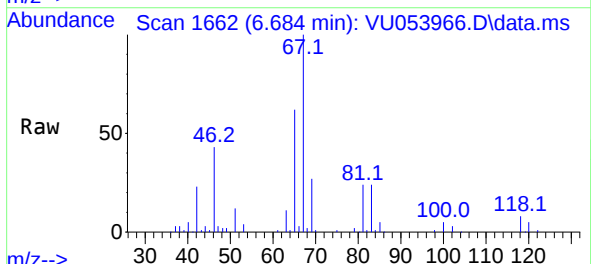
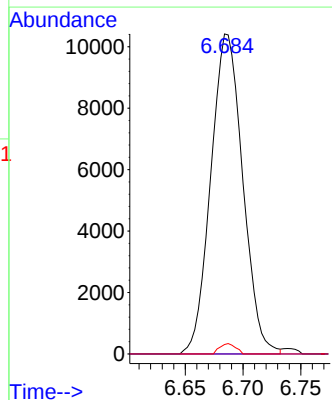
Tgt Ion: 83 Resp: 20065

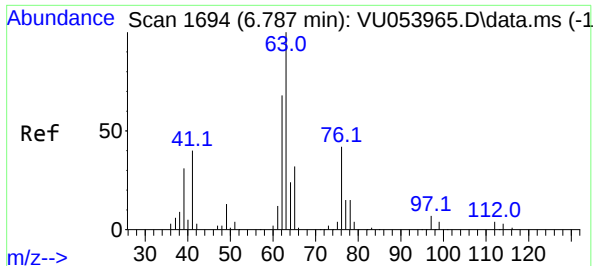
Ion Ratio Lower Upper

83 100

55 0.0 53.0 79.6#

98 1.6 39.0 58.6#

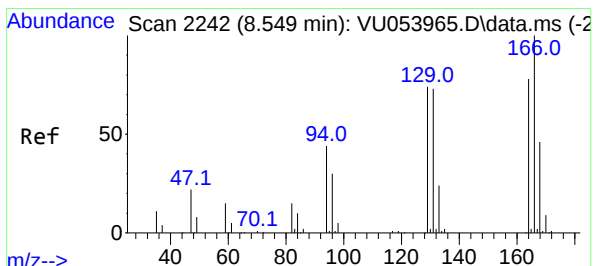
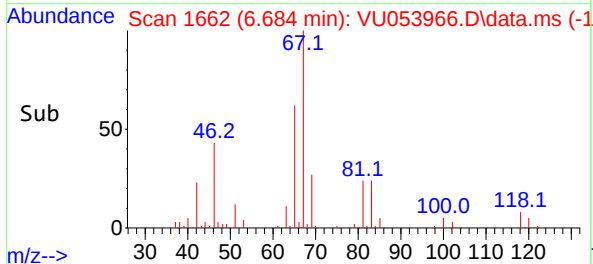
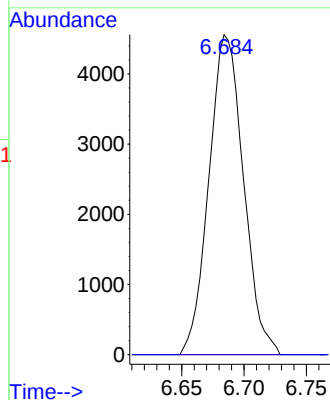
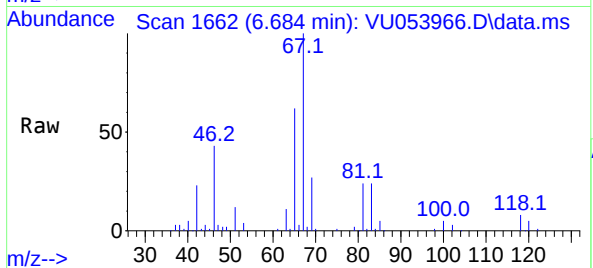




#37  
1,2-Dichloropropane  
Concen: 5.723 ug/L  
RT: 6.684 min Scan# 1  
Delta R.T. -0.103 min  
Lab File: VU053966.D  
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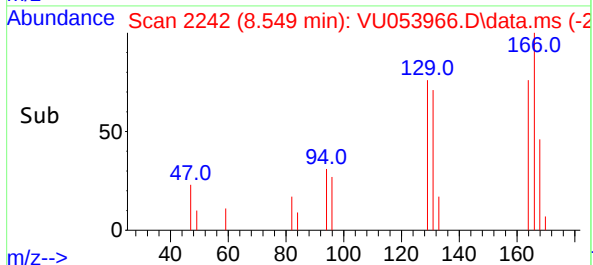
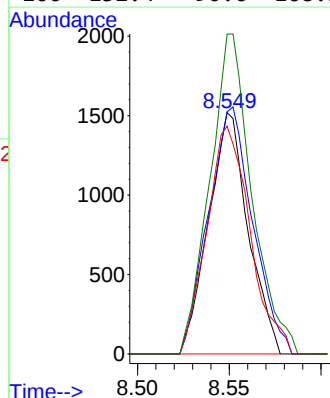
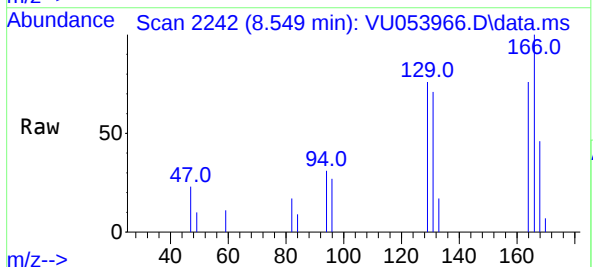
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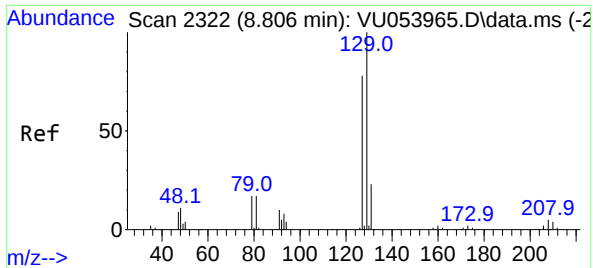
Tgt Ion: 63 Resp: 8799  
Ion Ratio Lower Upper  
63 100  
112 0.0 3.8 5.6#



#46  
Tetrachloroethene  
Concen: 1.501 ug/L  
RT: 8.549 min Scan# 2242  
Delta R.T. -0.000 min  
Lab File: VU053966.D  
Acq: 28 Apr 2023 12:53

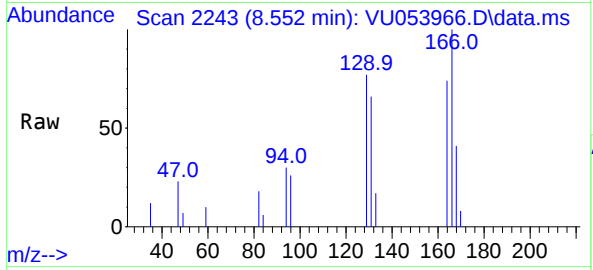
Tgt Ion: 164 Resp: 2281  
Ion Ratio Lower Upper  
164 100  
129 100.3 64.0 119.0  
131 94.3 61.9 115.1  
166 132.4 90.6 168.2





#49  
Dibromochloromethane  
Concen: 1.484 ug/L  
RT: 8.552 min Scan# 21  
Delta R.T. -0.254 min  
Lab File: VU053966.D  
Acq: 28 Apr 2023 12:53

Instrument :  
MSVOA\_U  
ClientSampleId :



Tgt Ion:129 Resp: 2604  
Ion Ratio Lower Upper  
129 100  
127 0.0 53.5 99.3#

