

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_U\Data\VU041422\  
 Data File : VU048073.D  
 Acq On : 14 Apr 2022 21:07  
 Operator : SY/MD  
 Sample : N2419-08  
 Misc : 5.0mL/MSVOA\_U/WATER  
 ALS Vial : 32 Sample Multiplier: 1

Instrument :  
 MSVOA\_U  
 ClientSampleId :  
 VHBLK001

Quant Time: Apr 15 05:27:30 2022  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_U\Method\SFAMULM032422WMA.M  
 Quant Title : VOC Analysis  
 QLast Update : Fri Apr 15 05:02:53 2022  
 Response via : Initial Calibration

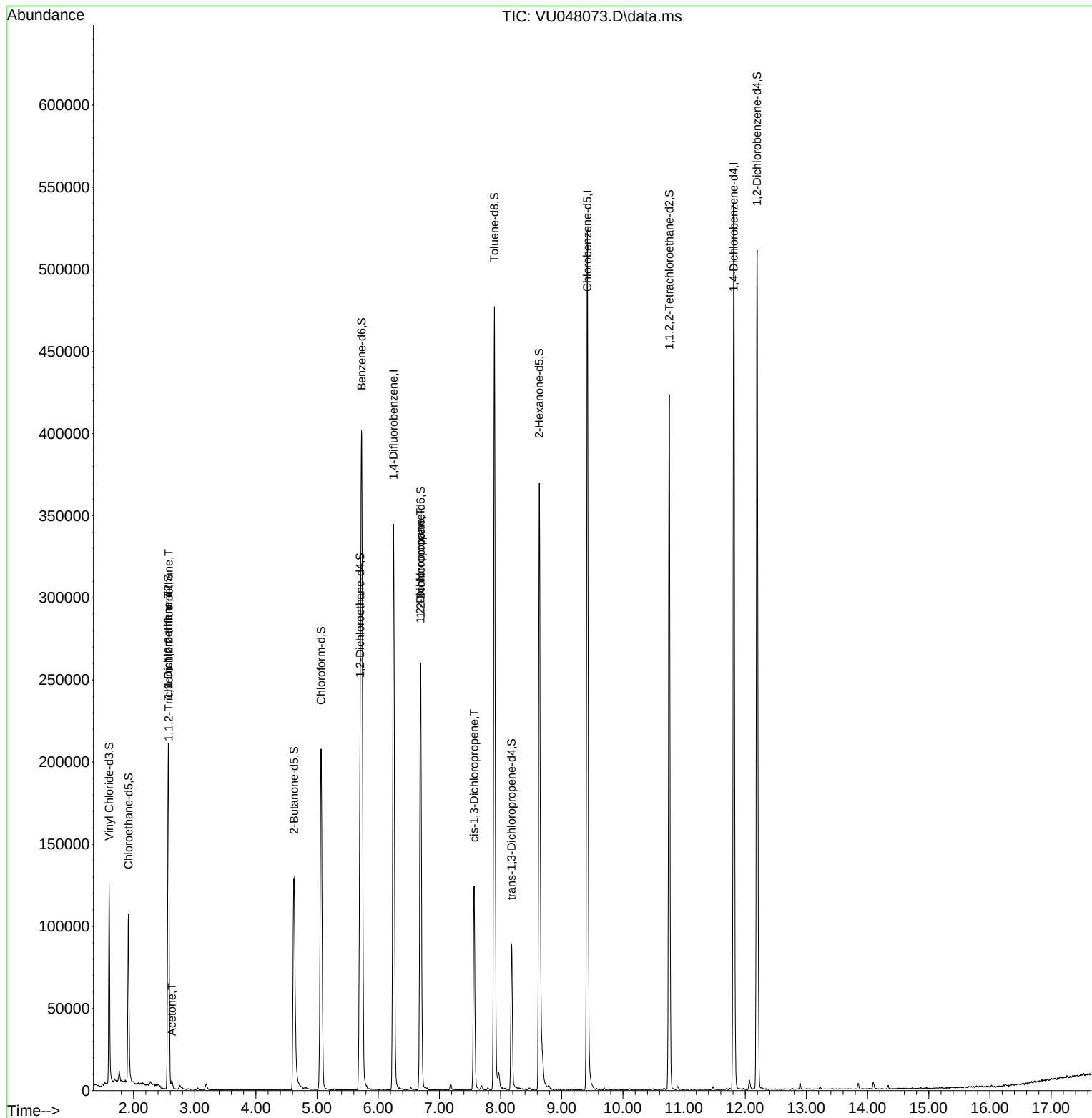
| Compound                      | R.T.    | QIon  | Response | Conc     | Units  | Dev(Min) |
|-------------------------------|---------|-------|----------|----------|--------|----------|
| Internal Standards            |         |       |          |          |        |          |
| 1) 1,4-Difluorobenzene        | 6.250   | 114   | 294192   | 50.000   | ug/L   | 0.00     |
| 28) Chlorobenzene-d5          | 9.420   | 117   | 316754   | 50.000   | ug/L   | 0.00     |
| 58) 1,4-Dichlorobenzene-d4    | 11.812  | 152   | 153628   | 50.000   | ug/L   | 0.00     |
| System Monitoring Compounds   |         |       |          |          |        |          |
| 4) Vinyl Chloride-d3          | 1.600   | 65    | 87997    | 41.248   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000  | Range | 60 - 135 | Recovery | =      | 82.500%  |
| 7) Chloroethane-d5            | 1.916   | 69    | 82351    | 48.955   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000  | Range | 70 - 130 | Recovery | =      | 97.920%  |
| 11) 1,1-Dichloroethene-d2     | 2.568   | 63    | 119458   | 30.605   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000  | Range | 60 - 125 | Recovery | =      | 61.220%  |
| 21) 2-Butanone-d5             | 4.623   | 46    | 192508   | 105.131  | ug/L   | 0.00     |
| Spiked Amount                 | 100.000 | Range | 40 - 130 | Recovery | =      | 105.130% |
| 24) Chloroform-d              | 5.067   | 84    | 193730   | 49.630   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000  | Range | 70 - 125 | Recovery | =      | 99.260%  |
| 26) 1,2-Dichloroethane-d4     | 5.703   | 65    | 127012   | 53.052   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000  | Range | 70 - 125 | Recovery | =      | 106.100% |
| 32) Benzene-d6                | 5.729   | 84    | 377557   | 47.370   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000  | Range | 70 - 125 | Recovery | =      | 94.740%  |
| 36) 1,2-Dichloropropane-d6    | 6.694   | 67    | 128073   | 52.322   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000  | Range | 70 - 120 | Recovery | =      | 104.640% |
| 41) Toluene-d8                | 7.899   | 98    | 326981   | 42.107   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000  | Range | 80 - 120 | Recovery | =      | 84.220%  |
| 43) trans-1,3-Dichloroprop... | 8.179   | 79    | 51721    | 41.707   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000  | Range | 60 - 125 | Recovery | =      | 83.420%  |
| 47) 2-Hexanone-d5             | 8.632   | 63    | 129887   | 90.644   | ug/L   | 0.00     |
| Spiked Amount                 | 100.000 | Range | 45 - 130 | Recovery | =      | 90.640%  |
| 56) 1,1,2,2-Tetrachloroeth... | 10.758  | 84    | 206478   | 49.152   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000  | Range | 65 - 120 | Recovery | =      | 98.300%  |
| 66) 1,2-Dichlorobenzene-d4    | 12.195  | 152   | 145392   | 53.195   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000  | Range | 80 - 120 | Recovery | =      | 106.380% |
| Target Compounds              |         |       |          |          |        |          |
|                               |         |       |          |          | Qvalue |          |
| 10) 1,1,2-Trichloro-1,2,2-... | 2.575   | 101   | 1125     | 0.519    | ug/L # | 18       |
| 12) 1,1-Dichloroethene        | 2.568   | 96    | 1065     | 0.528    | ug/L # | 1        |
| 13) Acetone                   | 2.626   | 43    | 5532     | 3.246    | ug/L   | 98       |
| 37) 1,2-Dichloropropane       | 6.690   | 63    | 13652    | 5.857    | ug/L # | 87       |
| 39) cis-1,3-Dichloropropene   | 7.568   | 75    | 2785     | 0.770    | ug/L # | 65       |

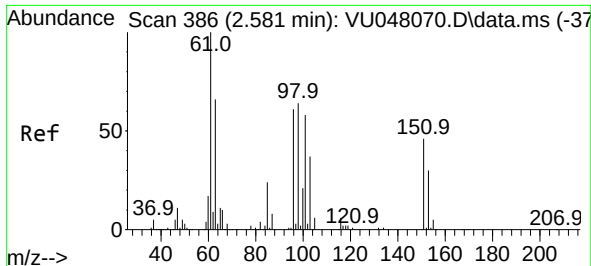
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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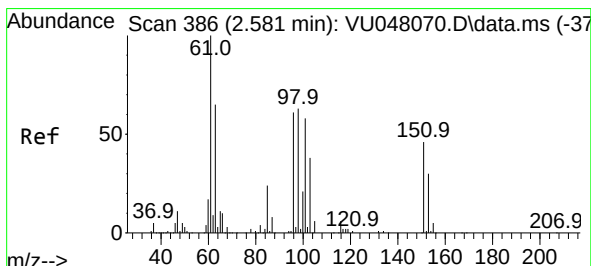
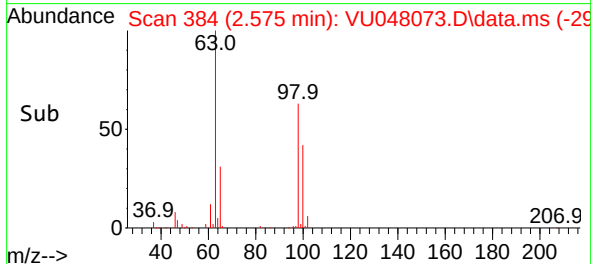
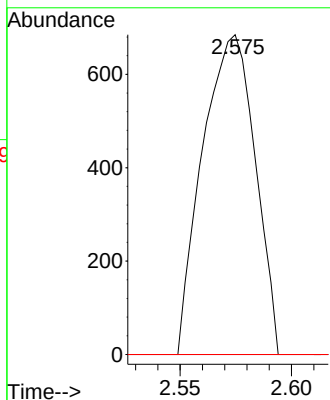
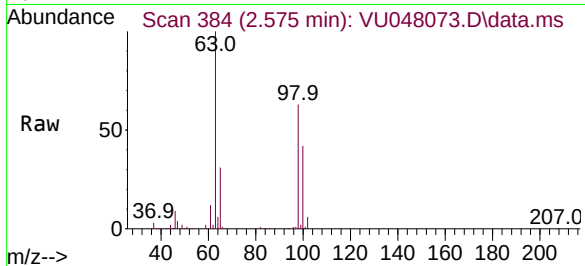




#10  
 1,1,2-Trichloro-1,2,2-trifluoroethane  
 Concen: 0.519 ug/L  
 RT: 2.575 min Scan# 384  
 Delta R.T. -0.007 min  
 Lab File: VU048073.D  
 Acq: 14 Apr 2022 21:07

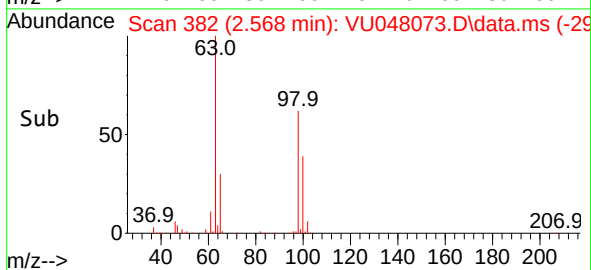
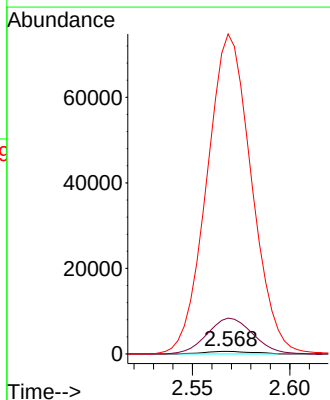
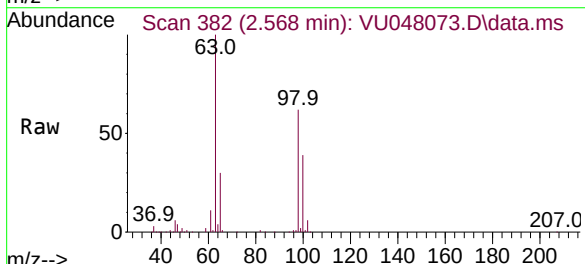
Instrument :  
 MSVOA\_U  
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 VHBLK001

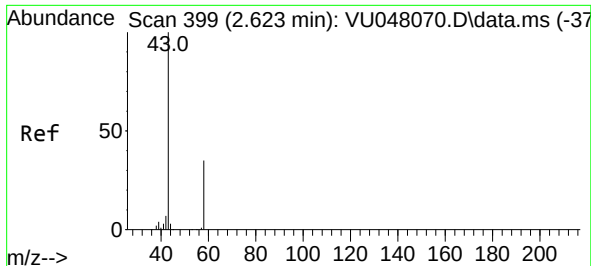
Tgt Ion:101 Resp: 1125  
 Ion Ratio Lower Upper  
 101 100  
 85 0.0 32.8 49.2#  
 151 0.0 63.0 94.6#



#12  
 1,1-Dichloroethene  
 Concen: 0.528 ug/L  
 RT: 2.568 min Scan# 382  
 Delta R.T. -0.013 min  
 Lab File: VU048073.D  
 Acq: 14 Apr 2022 21:07

Tgt Ion: 96 Resp: 1065  
 Ion Ratio Lower Upper  
 96 100  
 61 1379.0 113.1 210.1#  
 63 12285.1 94.8 176.0#





#13

Acetone

Concen: 3.246 ug/L

RT: 2.626 min Scan# 40

Delta R.T. 0.003 min

Lab File: VU048073.D

Acq: 14 Apr 2022 21:07

Instrument :

MSVOA\_U

ClientSampleId :

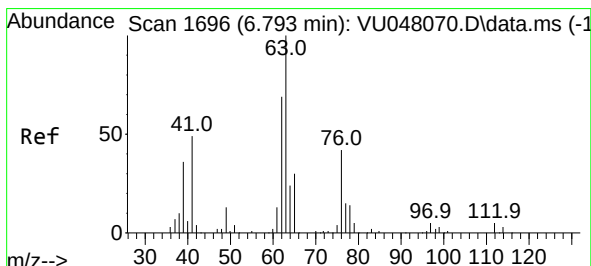
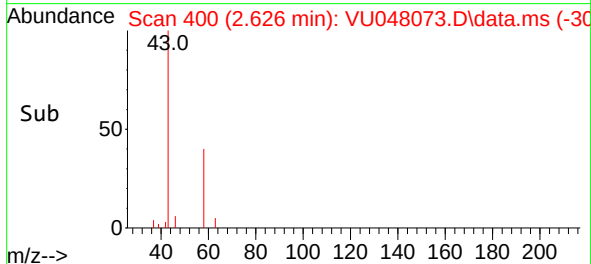
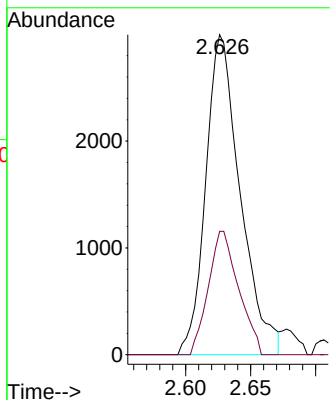
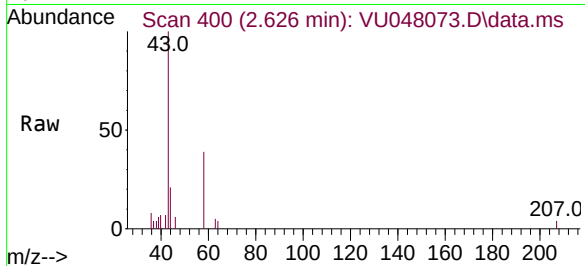
VHBLK001

Tgt Ion: 43 Resp: 5532

Ion Ratio Lower Upper

43 100

58 33.8 0.0 70.0



#37

1,2-Dichloropropane

Concen: 5.857 ug/L

RT: 6.690 min Scan# 1664

Delta R.T. -0.103 min

Lab File: VU048073.D

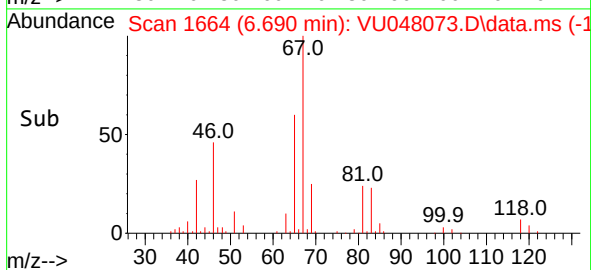
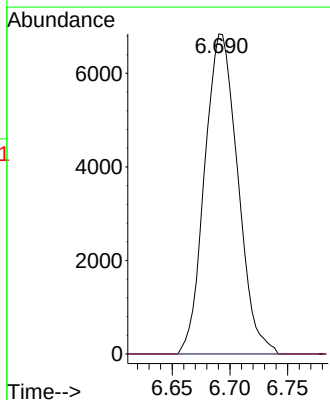
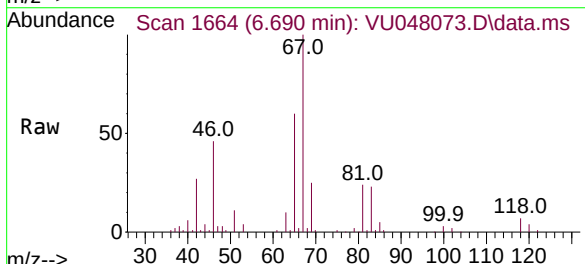
Acq: 14 Apr 2022 21:07

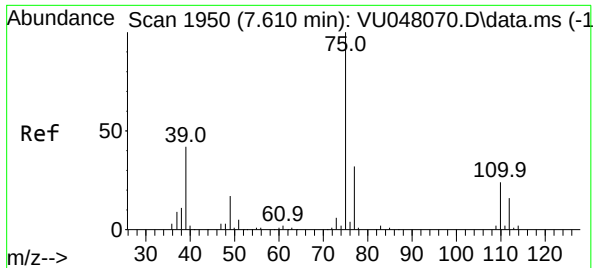
Tgt Ion: 63 Resp: 13652

Ion Ratio Lower Upper

63 100

112 0.0 3.4 5.2#





#39

cis-1,3-Dichloropropene

Concen: 0.770 ug/L

RT: 7.568 min Scan# 19

Delta R.T. -0.042 min

Lab File: VU048073.D

Acq: 14 Apr 2022 21:07

Instrument :

MSVOA\_U

ClientSampleId :

VHBLK001

Tgt Ion: 75 Resp: 2785

Ion Ratio Lower Upper

75 100

77 50.3 21.8 40.6#

