

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_U\Data\VU122321\  
 Data File : VU046580.D  
 Acq On : 23 Dec 2021 21:01  
 Operator : SY/MD  
 Sample : M5175-05  
 Misc : 25.0mL/MSVOA\_U/WATER  
 ALS Vial : 14 Sample Multiplier: 1

Instrument :  
 MSVOA\_U  
 ClientSampleId :

Quant Time: Dec 24 04:58:30 2021  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_U\Method\SFAMUTR122121WMA.M  
 Quant Title : TRACE VOA SFAM1.0  
 QLast Update : Fri Dec 24 04:54:59 2021  
 Response via : Initial Calibration

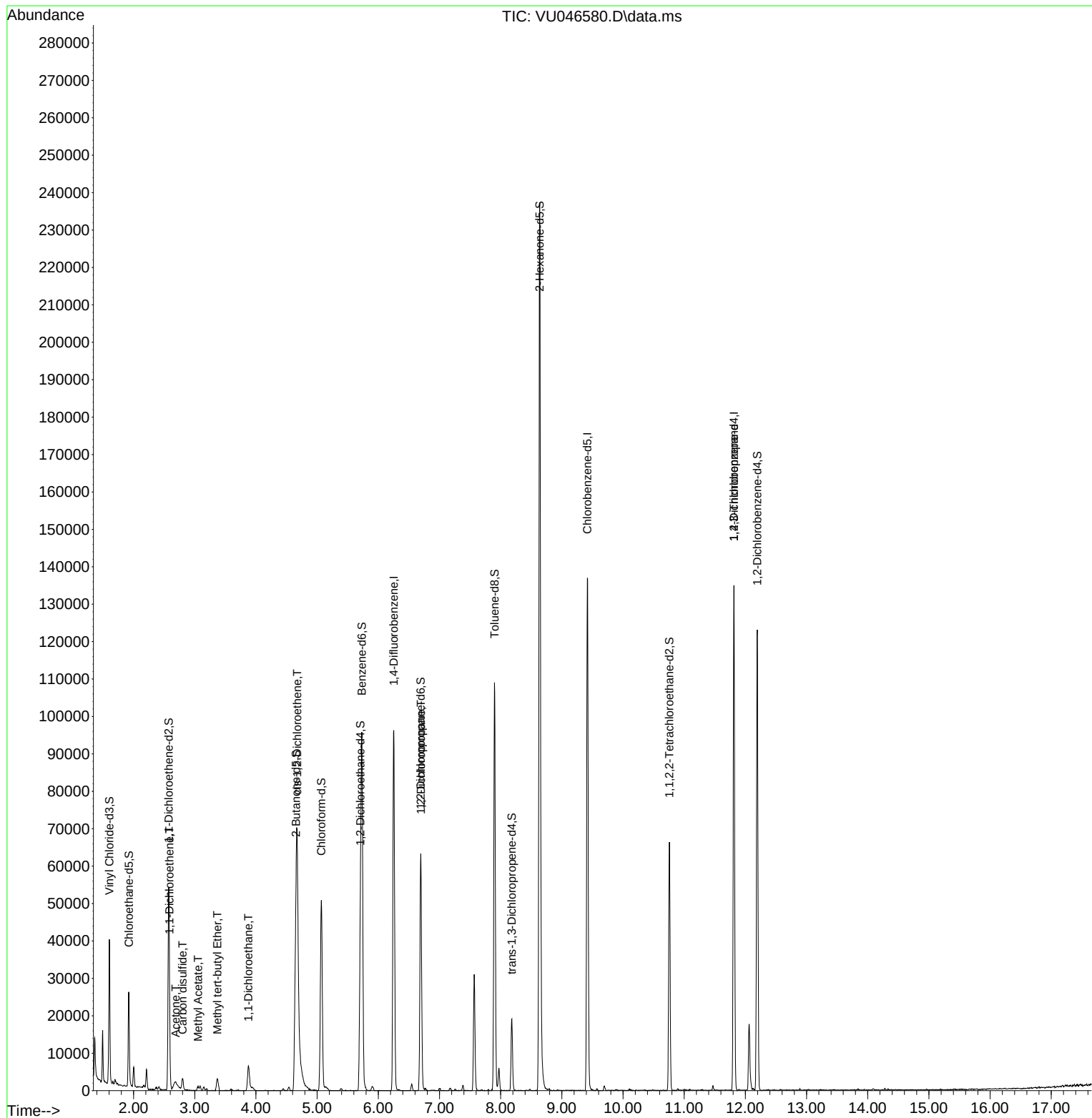
| Compound                      | R.T.   | QIon  | Response | Conc     | Units  | Dev(Min) |
|-------------------------------|--------|-------|----------|----------|--------|----------|
| -----                         |        |       |          |          |        |          |
| Internal Standards            |        |       |          |          |        |          |
| 1) 1,4-Difluorobenzene        | 6.253  | 114   | 80176    | 5.000    | ug/L   | 0.00     |
| 28) Chlorobenzene-d5          | 9.417  | 117   | 78354    | 5.000    | ug/L   | 0.00     |
| 58) 1,4-Dichlorobenzene-d4    | 11.812 | 152   | 36283    | 5.000    | ug/L   | 0.00     |
|                               |        |       |          |          |        |          |
| System Monitoring Compounds   |        |       |          |          |        |          |
| 4) Vinyl Chloride-d3          | 1.604  | 65    | 21115    | 3.343    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 40 - 130 | Recovery | =      | 66.800%  |
| 7) Chloroethane-d5            | 1.922  | 69    | 19362    | 3.893    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 65 - 130 | Recovery | =      | 77.800%  |
| 11) 1,1-Dichloroethene-d2     | 2.575  | 65    | 9812     | 3.685    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 60 - 125 | Recovery | =      | 73.600%  |
| 20) 2-Butanone-d5             | 4.655  | 46    | 100515   | 54.871   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000 | Range | 40 - 130 | Recovery | =      | 109.740% |
| 24) Chloroform-d              | 5.070  | 84    | 49682    | 4.293    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 70 - 125 | Recovery | =      | 85.800%  |
| 26) 1,2-Dichloroethane-d4     | 5.707  | 65    | 30436    | 4.601    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 70 - 130 | Recovery | =      | 92.000%  |
| 32) Benzene-d6                | 5.732  | 84    | 89870    | 4.115    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 70 - 125 | Recovery | =      | 82.200%  |
| 36) 1,2-Dichloropropane-d6    | 6.694  | 67    | 29906    | 4.557    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 60 - 140 | Recovery | =      | 91.200%  |
| 41) Toluene-d8                | 7.899  | 98    | 72343    | 3.649    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 70 - 130 | Recovery | =      | 73.000%  |
| 43) trans-1,3-Dichloroprop... | 8.182  | 79    | 11579    | 3.814    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 55 - 130 | Recovery | =      | 76.200%  |
| 46) 2-Hexanone-d5             | 8.639  | 63    | 93055    | 52.213   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000 | Range | 45 - 130 | Recovery | =      | 104.420% |
| 56) 1,1,2,2-Tetrachloroeth... | 10.758 | 84    | 32093    | 4.764    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 65 - 120 | Recovery | =      | 95.200%  |
| 66) 1,2-Dichlorobenzene-d4    | 12.195 | 152   | 31667    | 4.738    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 80 - 120 | Recovery | =      | 94.800%  |
|                               |        |       |          |          |        |          |
| Target Compounds              |        |       |          |          |        | Qvalue   |
| 12) 1,1-Dichloroethene        | 2.588  | 96    | 2414     | 0.342    | ug/L # | 1        |
| 13) Acetone                   | 2.687  | 43    | 7230     | 4.210    | ug/L   | 79       |
| 14) Carbon disulfide          | 2.800  | 76    | 3982     | 0.173    | ug/L   | 98       |
| 15) Methyl Acetate            | 3.054  | 43    | 578      | 0.167    | ug/L # | 51       |
| 17) Methyl tert-butyl Ether   | 3.369  | 73    | 2150     | 0.105    | ug/L # | 40       |
| 19) 1,1-Dichloroethane        | 3.877  | 63    | 7476     | 0.539    | ug/L   | 99       |
| 22) cis-1,2-Dichloroethene    | 4.674  | 96    | 20904    | 2.542    | ug/L   | 96       |
| 37) 1,2-Dichloropropane       | 6.697  | 63    | 3207     | 0.404    | ug/L # | 88       |
| 61) 1,2,3-Trichloropropane    | 11.812 | 75    | 4132     | 0.686    | ug/L # | 67       |
| -----                         |        |       |          |          |        |          |

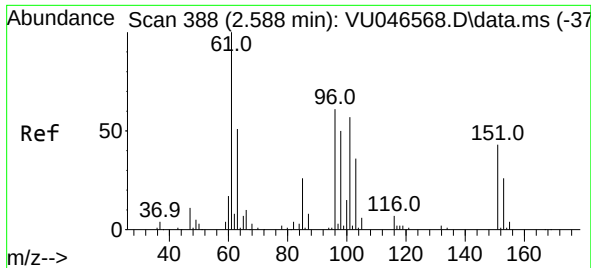
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_U\Method\SFAMUTR122121WMA.M  
Quant Title : TRACE VOA SFAM1.0  
QLast Update : Fri Dec 24 04:54:59 2021  
Response via : Initial Calibration





#12

1,1-Dichloroethene

Concen: 0.342 ug/L

RT: 2.588 min Scan# 388

Delta R.T. 0.000 min

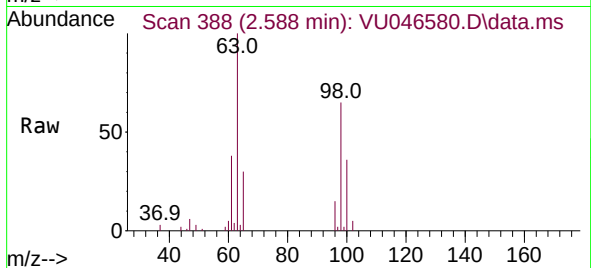
Lab File: VU046580.D

Acq: 23 Dec 2021 21:01

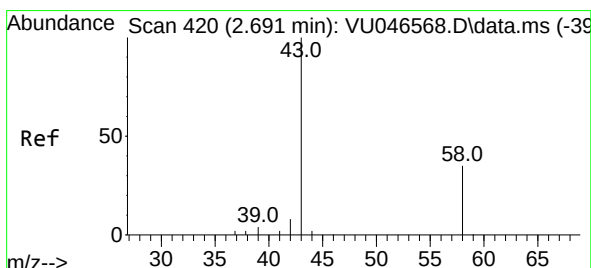
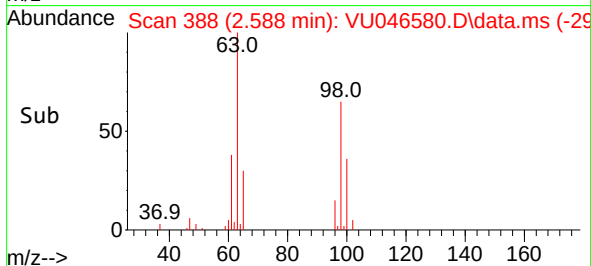
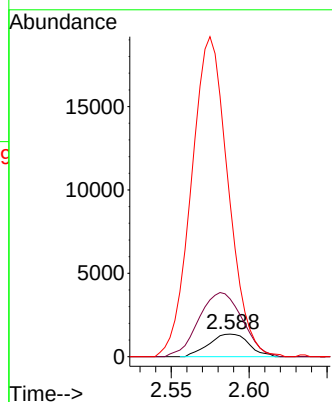
Instrument :

MSVOA\_U

ClientSampleId :



|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 96    | Resp: | 2414   |
| Ion      | Ratio | Lower | Upper  |
| 96       | 100   |       |        |
| 61       | 255.6 | 124.7 | 231.5# |
| 63       | 681.3 | 105.2 | 195.4# |



#13

Acetone

Concen: 4.210 ug/L

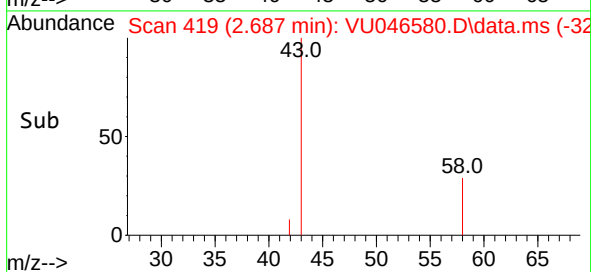
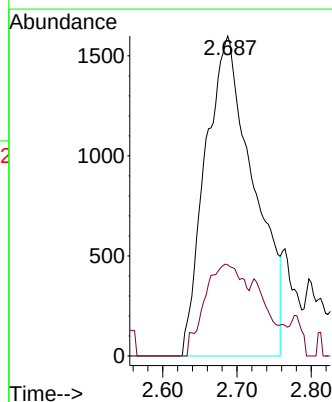
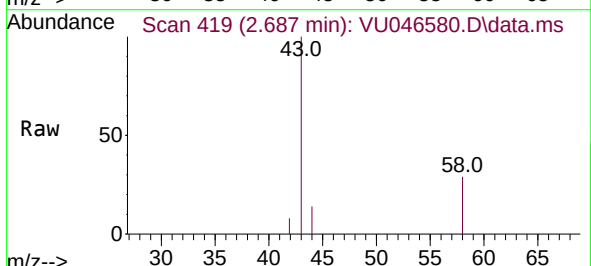
RT: 2.687 min Scan# 419

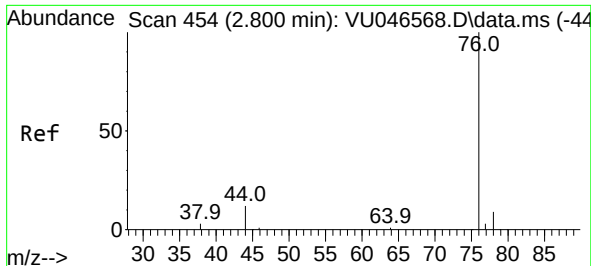
Delta R.T. -0.006 min

Lab File: VU046580.D

Acq: 23 Dec 2021 21:01

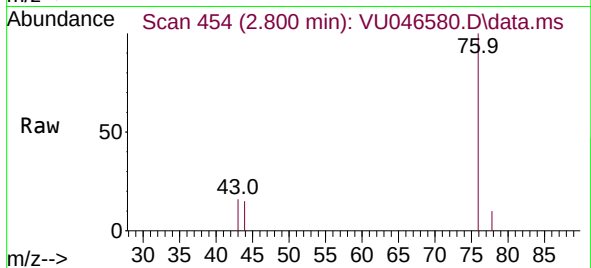
|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 43    | Resp: | 7230  |
| Ion      | Ratio | Lower | Upper |
| 43       | 100   |       |       |
| 58       | 23.5  | 0.0   | 71.6  |



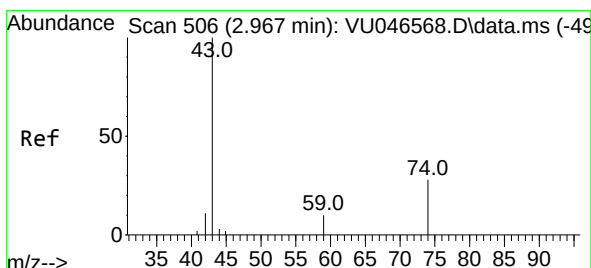
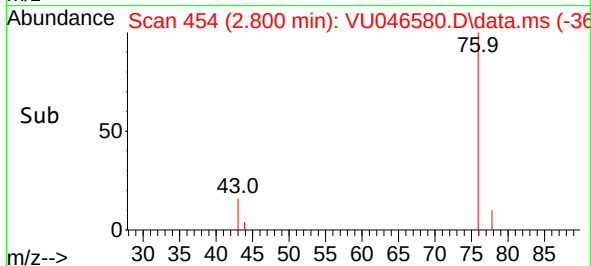
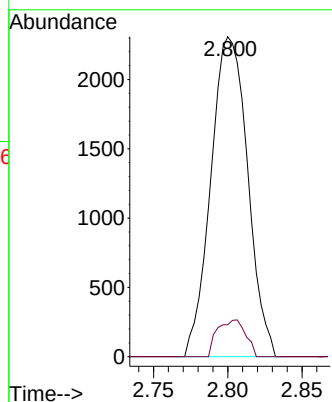


#14  
Carbon disulfide  
Concen: 0.173 ug/L  
RT: 2.800 min Scan# 41  
Delta R.T. 0.000 min  
Lab File: VU046580.D  
Acq: 23 Dec 2021 21:01

Instrument :  
MSVOA\_U  
ClientSampleId :

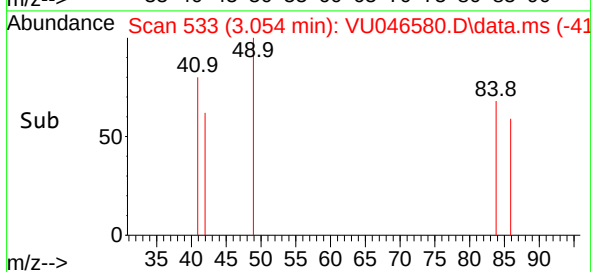
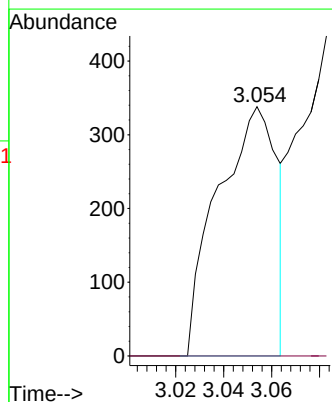
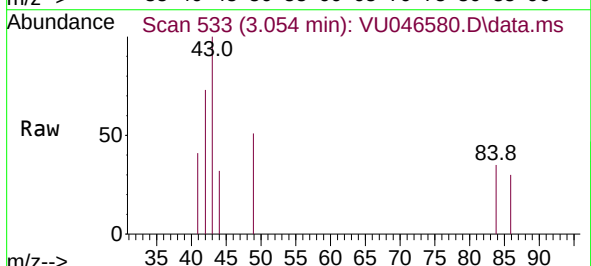


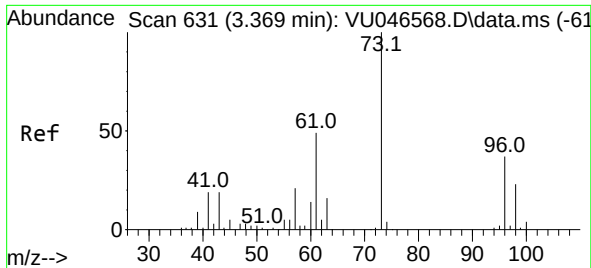
Tgt Ion: 76 Resp: 3982  
Ion Ratio Lower Upper  
76 100  
78 10.0 7.5 11.3



#15  
Methyl Acetate  
Concen: 0.167 ug/L  
RT: 3.054 min Scan# 533  
Delta R.T. 0.084 min  
Lab File: VU046580.D  
Acq: 23 Dec 2021 21:01

Tgt Ion: 43 Resp: 578  
Ion Ratio Lower Upper  
43 100  
74 0.0 19.1 28.7#

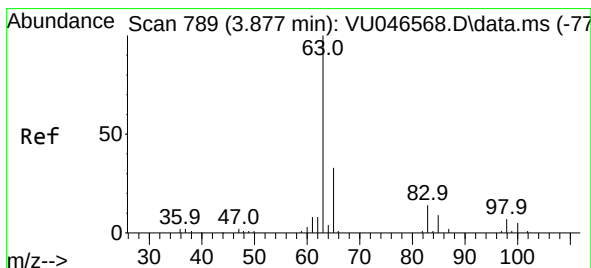
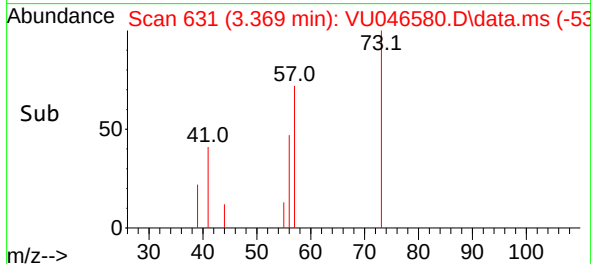
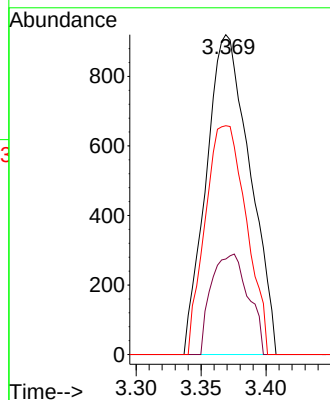
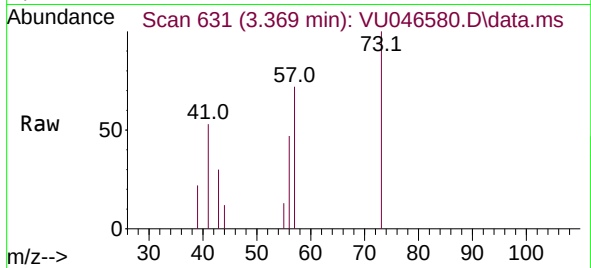




#17  
Methyl tert-butyl Ether  
Concen: 0.105 ug/L  
RT: 3.369 min Scan# 61  
Delta R.T. 0.000 min  
Lab File: VU046580.D  
Acq: 23 Dec 2021 21:01

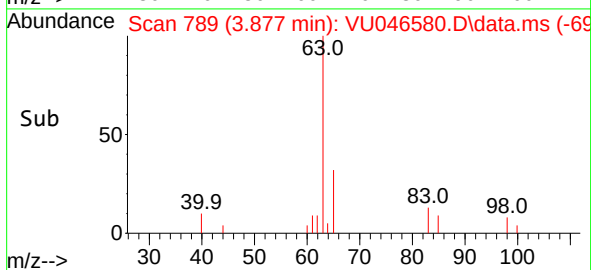
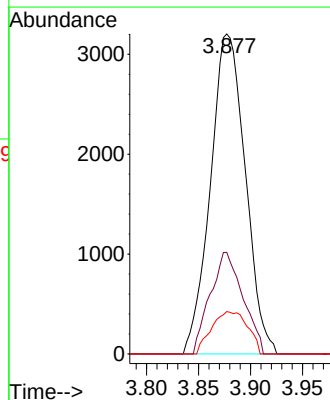
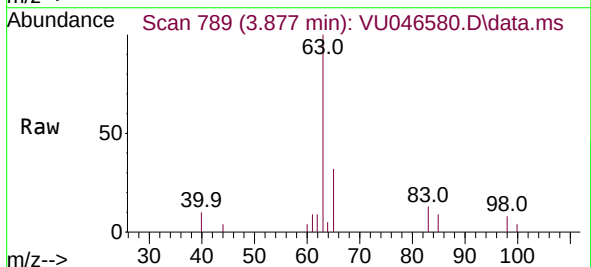
Instrument :  
MSVOA\_U  
ClientSampleId :

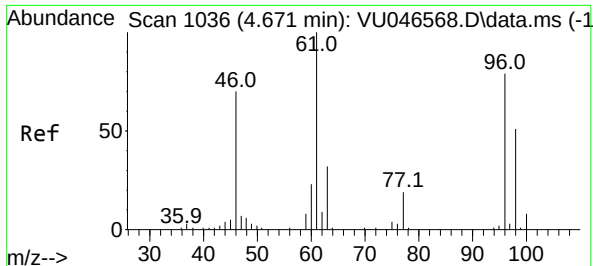
Tgt Ion: 73 Resp: 2150  
Ion Ratio Lower Upper  
73 100  
43 26.6 14.8 22.2#  
57 67.3 17.4 26.0#



#19  
1,1-Dichloroethane  
Concen: 0.539 ug/L  
RT: 3.877 min Scan# 789  
Delta R.T. 0.000 min  
Lab File: VU046580.D  
Acq: 23 Dec 2021 21:01

Tgt Ion: 63 Resp: 7476  
Ion Ratio Lower Upper  
63 100  
65 31.8 22.3 41.5  
83 13.2 9.6 17.8





#22

cis-1,2-Dichloroethene

Concen: 2.542 ug/L

RT: 4.674 min Scan# 1036

Delta R.T. 0.000 min

Lab File: VU046580.D

Acq: 23 Dec 2021 21:01

Instrument :

MSVOA\_U

ClientSampleId :

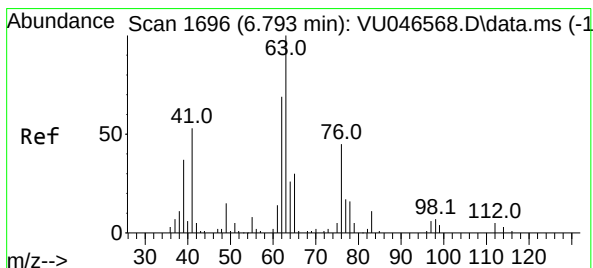
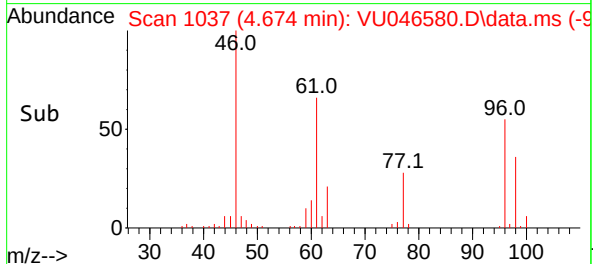
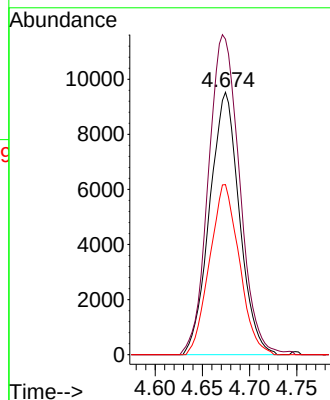
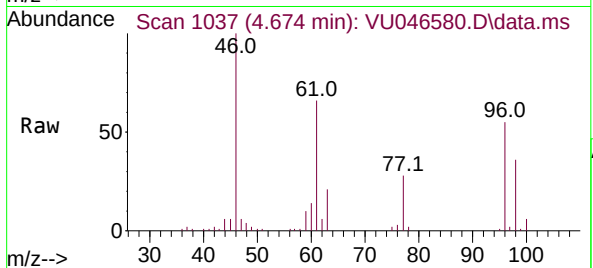
Tgt Ion: 96 Resp: 20904

Ion Ratio Lower Upper

96 100

61 120.3 88.5 164.3

98 64.8 44.4 82.5



#37

1,2-Dichloropropane

Concen: 0.404 ug/L

RT: 6.697 min Scan# 1666

Delta R.T. -0.100 min

Lab File: VU046580.D

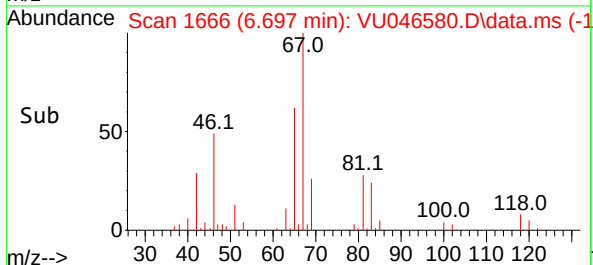
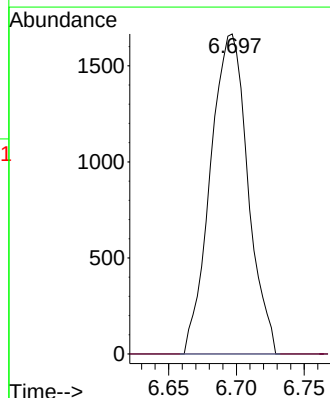
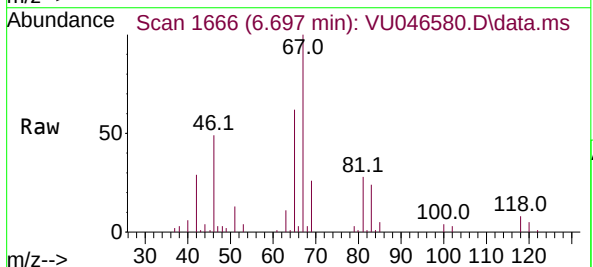
Acq: 23 Dec 2021 21:01

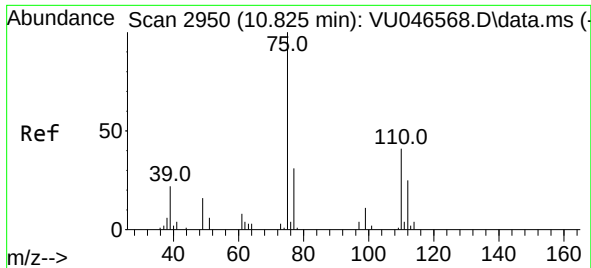
Tgt Ion: 63 Resp: 3207

Ion Ratio Lower Upper

63 100

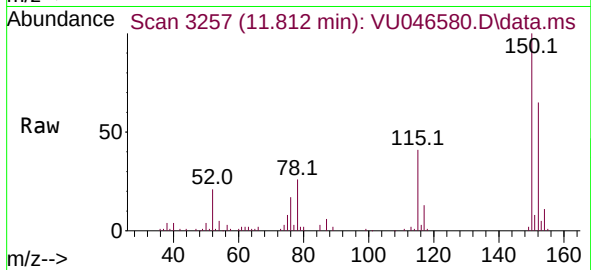
112 0.0 3.2 4.8#





#61  
 1,2,3-Trichloropropane  
 Concen: 0.686 ug/L  
 RT: 11.812 min Scan# 31  
 Delta R.T. 0.987 min  
 Lab File: VU046580.D  
 Acq: 23 Dec 2021 21:01

Instrument :  
 MSVOA\_U  
 ClientSampleId :



Tgt Ion: 75 Resp: 4132  
 Ion Ratio Lower Upper  
 75 100  
 110 1.0 29.9 44.9#  
 77 32.1 25.5 38.3

