

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_U\Data\VU030821\  
 Data File : VU042522.D  
 Acq On : 08 Mar 2021 12:29  
 Operator : SY/MD  
 Sample : M1588-19  
 Misc : 25.0mL/MSVOA\_U/WATER  
 ALS Vial : 9 Sample Multiplier: 1

Instrument :  
 MSVOA\_U  
 ClientSampleId :

Quant Time: Mar 09 01:37:05 2021  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_U\Method\SOMUTR030221WMA.M  
 Quant Title : TRACE VOA SOM01.0  
 QLast Update : Tue Mar 09 01:35:43 2021  
 Response via : Initial Calibration

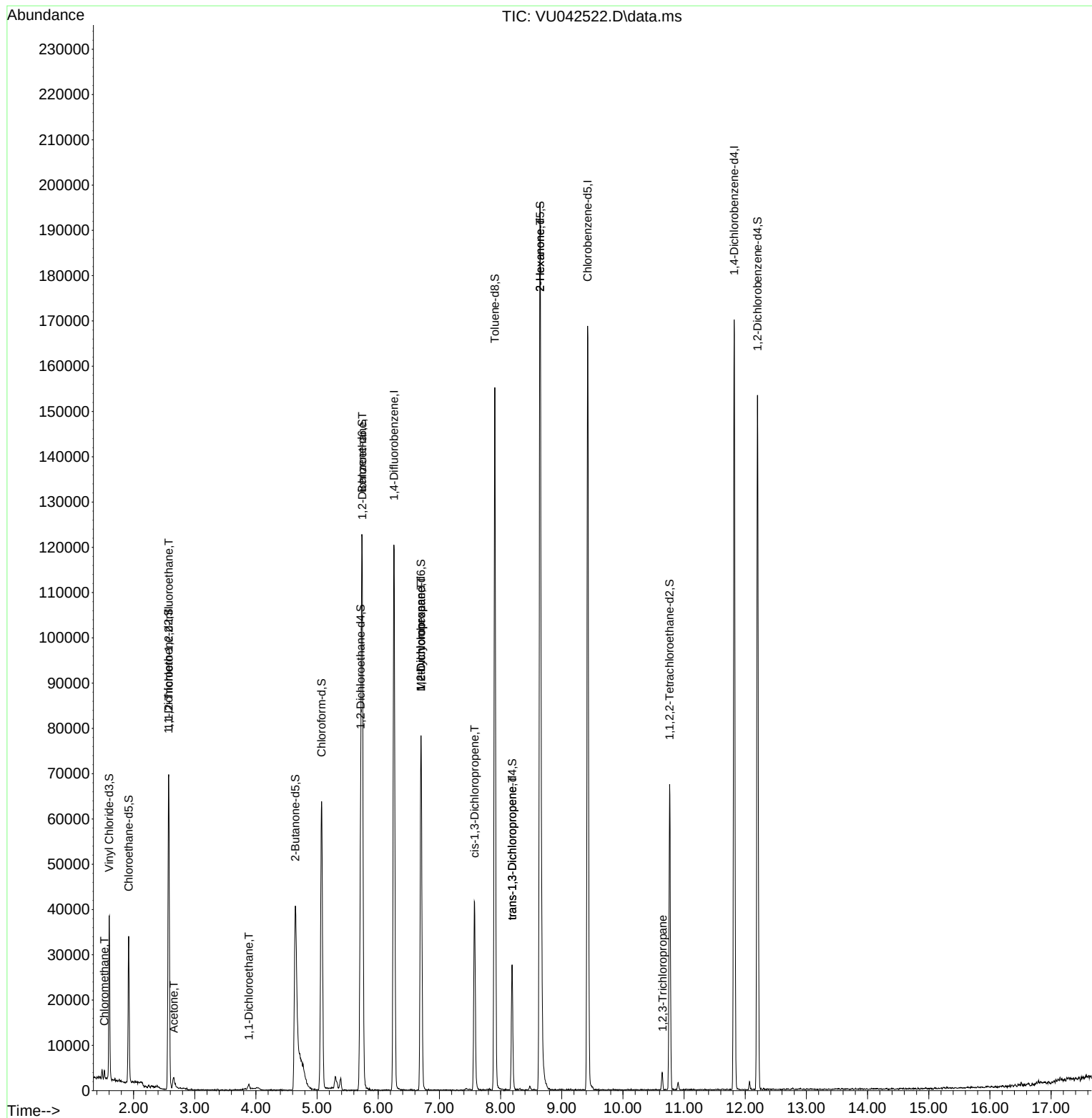
| Compound                      | R.T.   | QIon  | Response | Conc     | Units  | Dev(Min) |
|-------------------------------|--------|-------|----------|----------|--------|----------|
| -----                         |        |       |          |          |        |          |
| Internal Standards            |        |       |          |          |        |          |
| 1) 1,4-Difluorobenzene        | 6.256  | 114   | 93353    | 5.00     | ug/L   | 0.00     |
| 28) Chlorobenzene-d5          | 9.423  | 117   | 89343    | 5.00     | ug/L   | 0.00     |
| 60) 1,4-Dichlorobenzene-d4    | 11.819 | 152   | 42995    | 5.00     | ug/L   | 0.00     |
|                               |        |       |          |          |        |          |
| System Monitoring Compounds   |        |       |          |          |        |          |
| 4) Vinyl Chloride-d3          | 1.600  | 65    | 24741    | 3.98     | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 40 - 130 | Recovery | =      | 79.60%   |
| 7) Chloroethane-d5            | 1.919  | 69    | 21201    | 4.50     | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 65 - 130 | Recovery | =      | 90.00%   |
| 11) 1,1-Dichloroethene-d2     | 2.572  | 63    | 43274    | 3.08     | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 60 - 125 | Recovery | =      | 61.60%   |
| 20) 2-Butanone-d5             | 4.645  | 46    | 85968    | 42.07    | ug/L   | 0.00     |
| Spiked Amount                 | 50.000 | Range | 40 - 130 | Recovery | =      | 84.14%   |
| 24) Chloroform-d              | 5.073  | 84    | 56087    | 4.56     | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 70 - 125 | Recovery | =      | 91.20%   |
| 26) 1,2-Dichloroethane-d4     | 5.713  | 65    | 37747    | 4.99     | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 70 - 130 | Recovery | =      | 99.80%   |
| 32) Benzene-d6                | 5.735  | 84    | 101100   | 4.62     | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 70 - 125 | Recovery | =      | 92.40%   |
| 36) 1,2-Dichloropropane-d6    | 6.700  | 67    | 34053    | 4.82     | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 60 - 140 | Recovery | =      | 96.40%   |
| 41) Toluene-d8                | 7.906  | 98    | 96778    | 4.52     | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 70 - 130 | Recovery | =      | 90.40%   |
| 43) trans-1,3-Dichloroprop... | 8.189  | 79    | 14357    | 4.35     | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 55 - 130 | Recovery | =      | 87.00%   |
| 46) 2-Hexanone-d5             | 8.645  | 63    | 73505    | 46.50    | ug/L   | 0.00     |
| Spiked Amount                 | 50.000 | Range | 45 - 130 | Recovery | =      | 93.00%   |
| 57) 1,1,2,2-Tetrachloroeth... | 10.764 | 84    | 29991    | 4.76     | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 65 - 120 | Recovery | =      | 95.20%   |
| 64) 1,2-Dichlorobenzene-d4    | 12.201 | 152   | 38300    | 4.91     | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 80 - 120 | Recovery | =      | 98.20%   |
|                               |        |       |          |          |        |          |
| Target Compounds              |        |       |          |          |        | Qvalue   |
| 3) Chloromethane              | 1.523  | 50    | 1594     | 0.19     | ug/L   | 92       |
| 10) 1,1,2-Trichloro-1,2,2-... | 2.575  | 101   | 318      | 0.04     | ug/L # | 18       |
| 13) Acetone                   | 2.658  | 43    | 5003     | 3.18     | ug/L   | 76       |
| 19) 1,1-Dichloroethane        | 3.883  | 63    | 1498     | 0.11     | ug/L # | 84       |
| 27) 1,2-Dichloroethane        | 5.739  | 62    | 647      | 0.06     | ug/L # | 75       |
| 35) Methylcyclohexane         | 6.700  | 83    | 8018     | 0.68     | ug/L # | 14       |
| 37) 1,2-Dichloropropane       | 6.700  | 63    | 3922     | 0.52     | ug/L # | 87       |
| 39) cis-1,3-Dichloropropene   | 7.575  | 75    | 1261     | 0.11     | ug/L # | 75       |
| 44) trans-1,3-Dichloropropene | 8.189  | 75    | 733      | 0.07     | ug/L # | 60       |
| 48) 2-Hexanone                | 8.645  | 43    | 11767    | 2.42     | ug/L # | 70       |
| 59) 1,2,3-Trichloropropane    | 10.648 | 75    | 670      | 0.12     | ug/L # | 42       |
| -----                         |        |       |          |          |        |          |

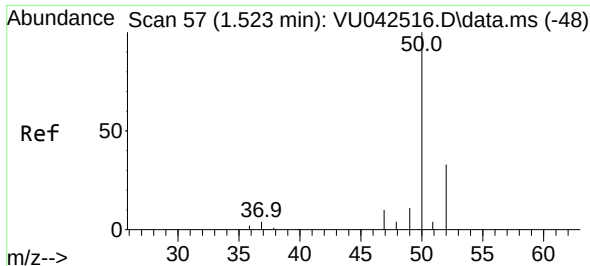
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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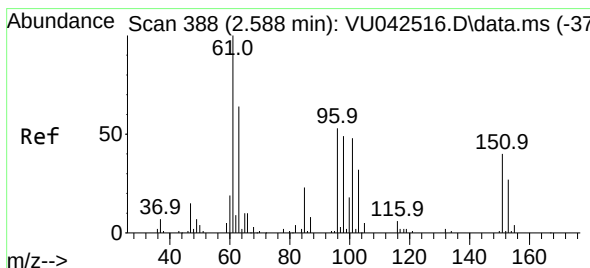
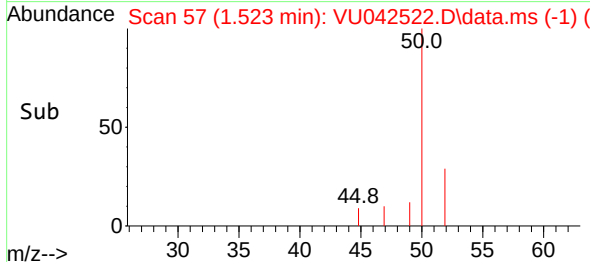
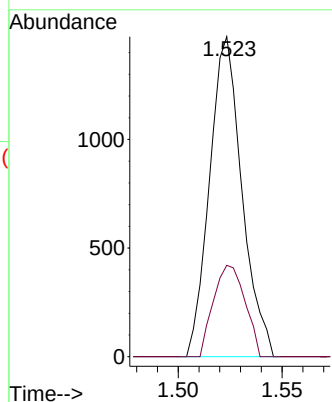
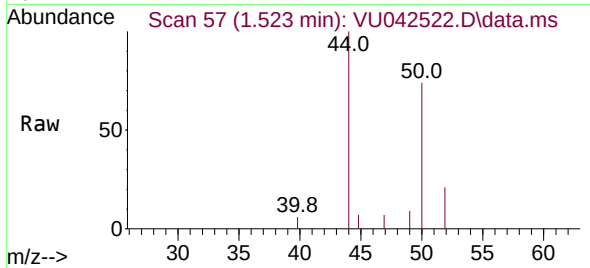




#3  
Chloromethane  
Concen: 0.19 ug/L  
RT: 1.523 min Scan# 57  
Delta R.T. -0.000 min  
Lab File: VU042522.D  
Acq: 08 Mar 2021 12:29

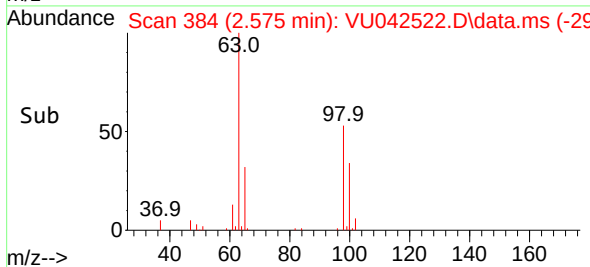
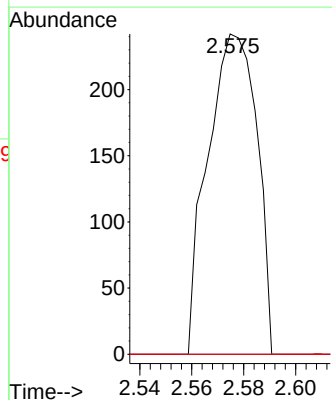
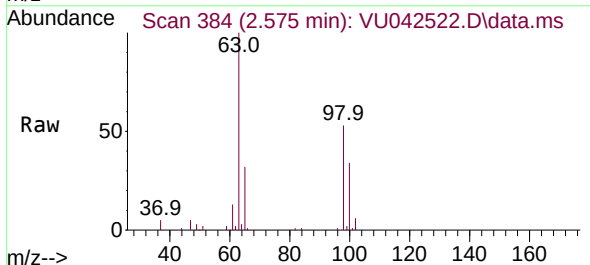
Instrument :  
MSVOA\_U  
ClientSampled :

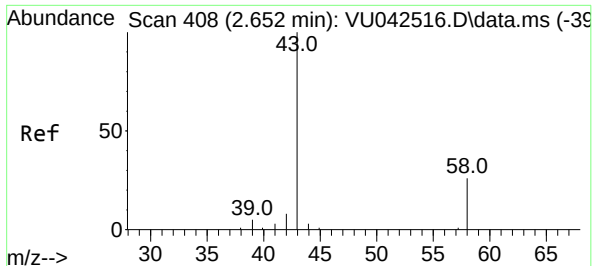
Tgt Ion: 50 Resp: 1594  
Ion Ratio Lower Upper  
50 100  
52 28.6 23.0 42.8



#10  
1,1,2-Trichloro-1,2,2-trifluoroethane  
Concen: 0.04 ug/L  
RT: 2.575 min Scan# 384  
Delta R.T. -0.013 min  
Lab File: VU042522.D  
Acq: 08 Mar 2021 12:29

Tgt Ion: 101 Resp: 318  
Ion Ratio Lower Upper  
101 100  
85 0.0 34.6 51.8#  
151 0.0 62.7 94.1#

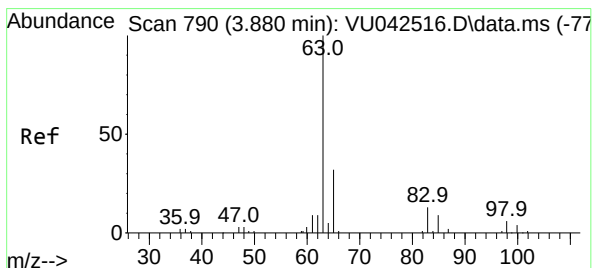
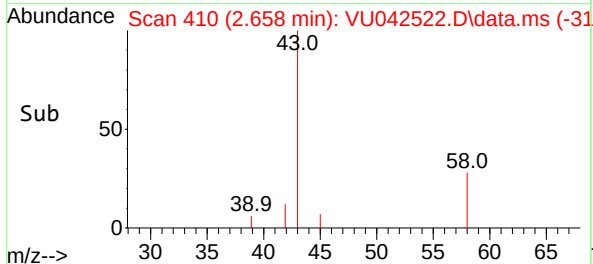
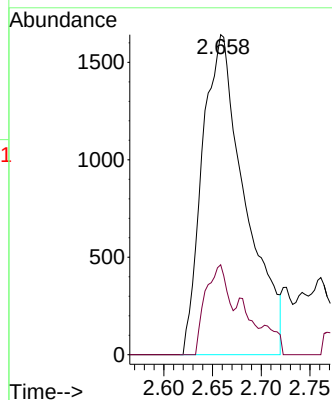
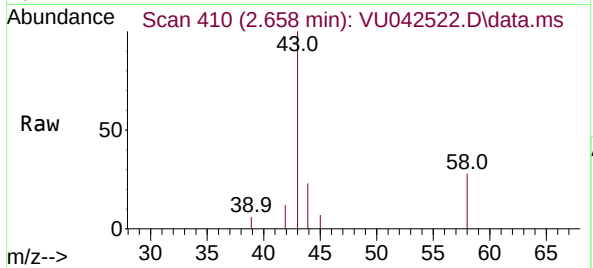




#13  
Acetone  
Concen: 3.18 ug/L  
RT: 2.658 min Scan# 410  
Delta R.T. 0.006 min  
Lab File: VU042522.D  
Acq: 08 Mar 2021 12:29

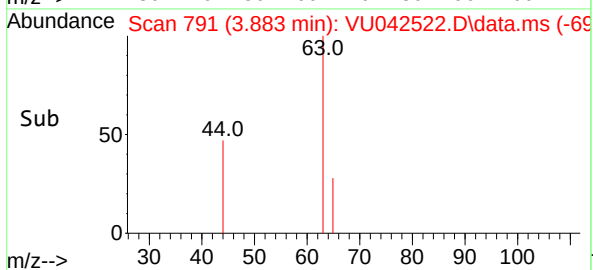
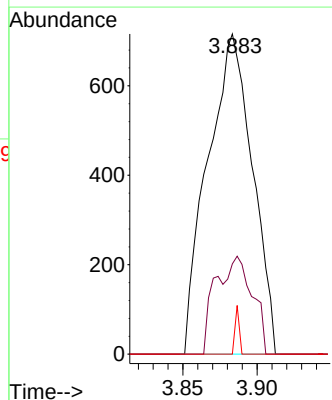
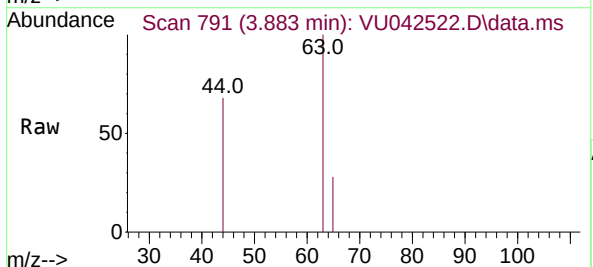
Instrument :  
MSVOA\_U  
ClientSampled :

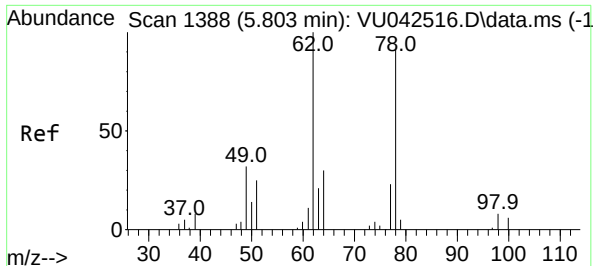
Tgt Ion: 43 Resp: 5003  
Ion Ratio Lower Upper  
43 100  
58 15.2 0.0 55.8



#19  
1,1-Dichloroethane  
Concen: 0.11 ug/L  
RT: 3.883 min Scan# 791  
Delta R.T. 0.003 min  
Lab File: VU042522.D  
Acq: 08 Mar 2021 12:29

Tgt Ion: 63 Resp: 1498  
Ion Ratio Lower Upper  
63 100  
65 28.2 22.5 41.9  
83 0.0 10.1 18.7#





#27

1,2-Dichloroethane

Concen: 0.06 ug/L

RT: 5.739 min Scan# 1368

Delta R.T. -0.064 min

Lab File: VU042522.D

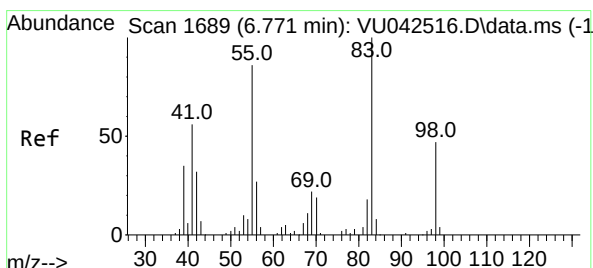
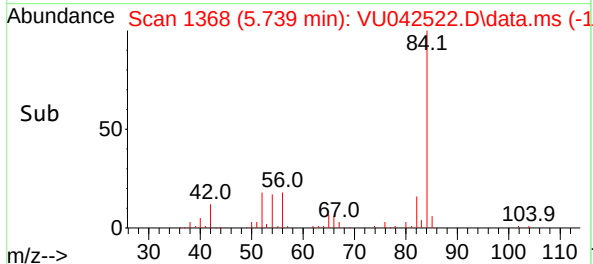
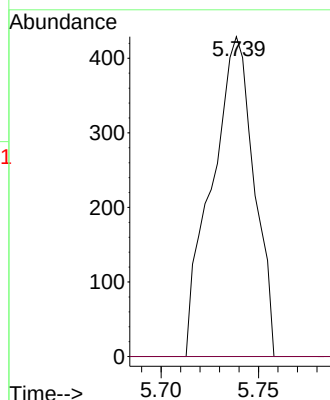
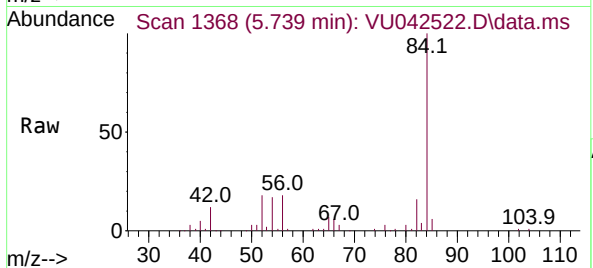
Acq: 08 Mar 2021 12:29

Tgt Ion: 62 Resp: 647

Ion Ratio Lower Upper

62 100

98 0.0 7.3 10.9#



#35

Methylcyclohexane

Concen: 0.68 ug/L

RT: 6.700 min Scan# 1667

Delta R.T. -0.071 min

Lab File: VU042522.D

Acq: 08 Mar 2021 12:29

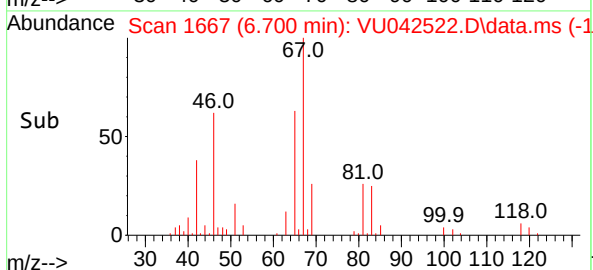
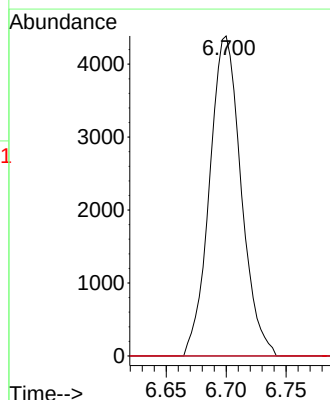
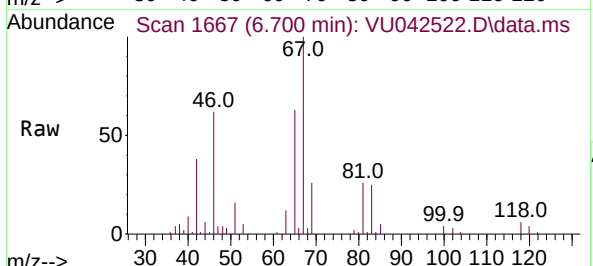
Tgt Ion: 83 Resp: 8018

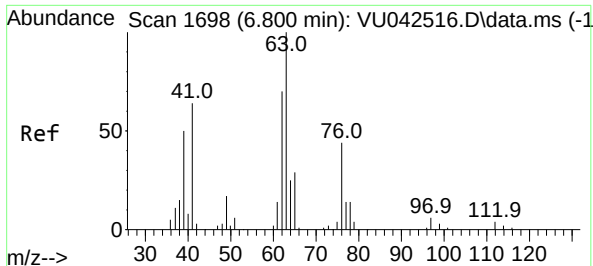
Ion Ratio Lower Upper

83 100

55 0.0 68.2 102.4#

98 0.0 39.7 59.5#

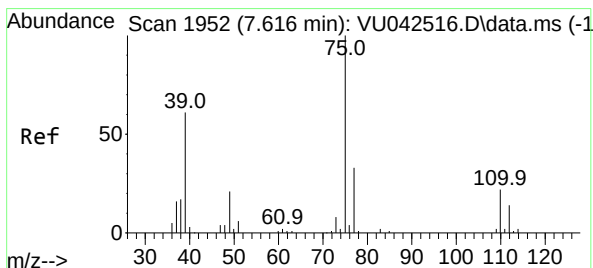
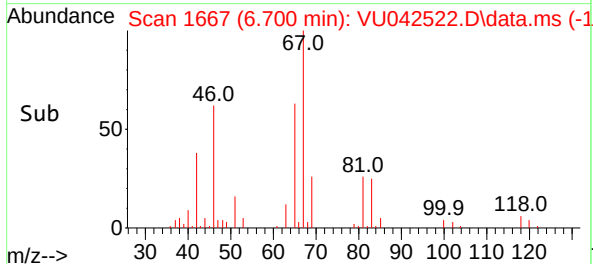
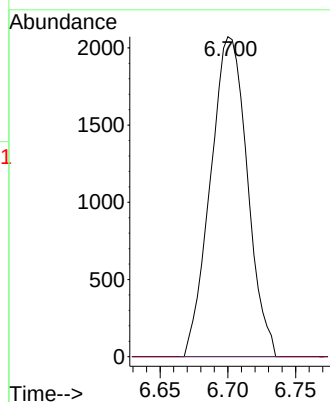
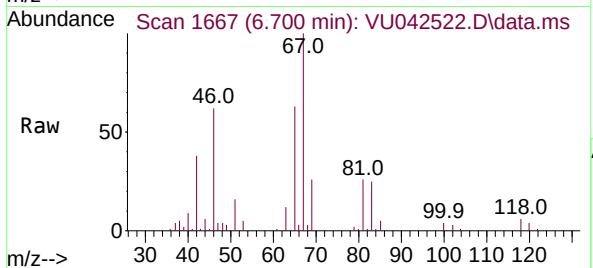




#37  
1,2-Dichloropropane  
Concen: 0.52 ug/L  
RT: 6.700 min Scan# 1667  
Delta R.T. -0.100 min  
Lab File: VU042522.D  
Acq: 08 Mar 2021 12:29

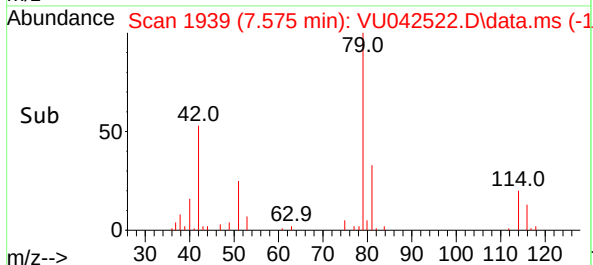
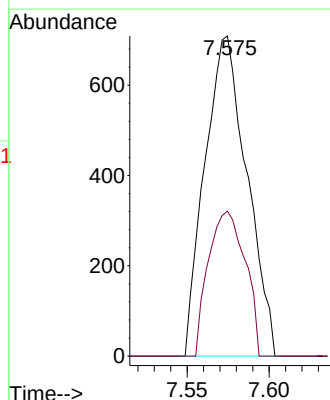
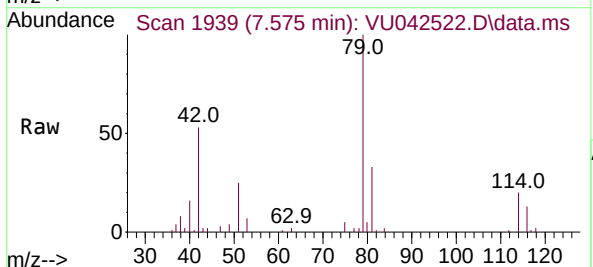
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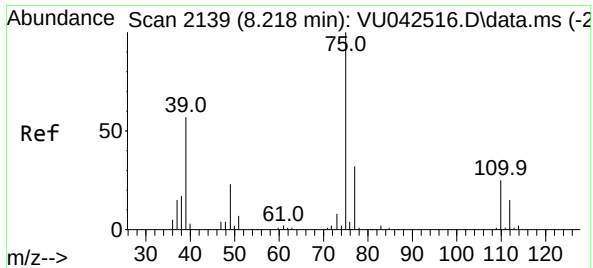
Tgt Ion: 63 Resp: 3922  
Ion Ratio Lower Upper  
63 100  
112 0.0 3.4 5.0#



#39  
cis-1,3-Dichloropropene  
Concen: 0.11 ug/L  
RT: 7.575 min Scan# 1939  
Delta R.T. -0.042 min  
Lab File: VU042522.D  
Acq: 08 Mar 2021 12:29

Tgt Ion: 75 Resp: 1261  
Ion Ratio Lower Upper  
75 100  
77 45.3 22.0 40.8#

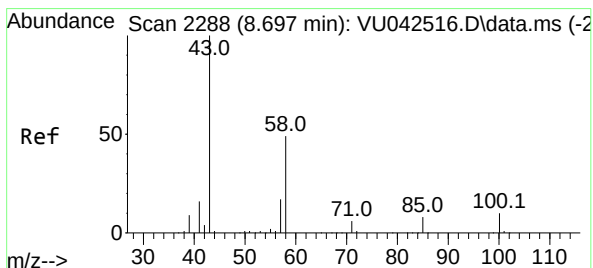
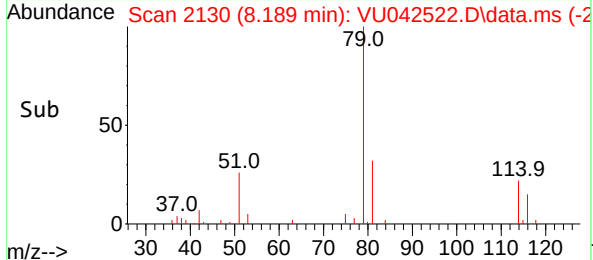
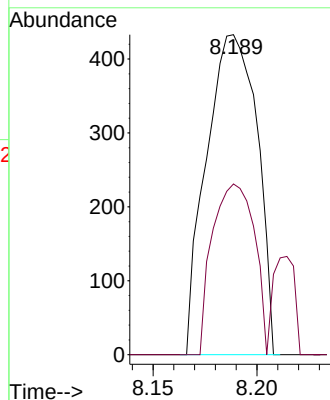
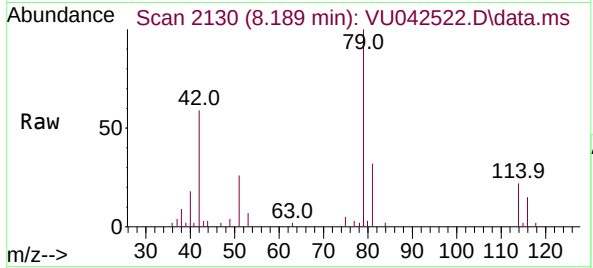




#44  
trans-1,3-Dichloropropene  
Concen: 0.07 ug/L  
RT: 8.189 min Scan# 2130  
Delta R.T. -0.029 min  
Lab File: VU042522.D  
Acq: 08 Mar 2021 12:29

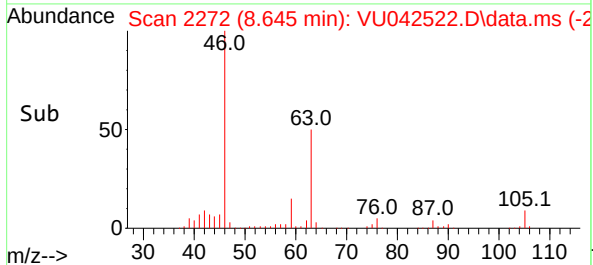
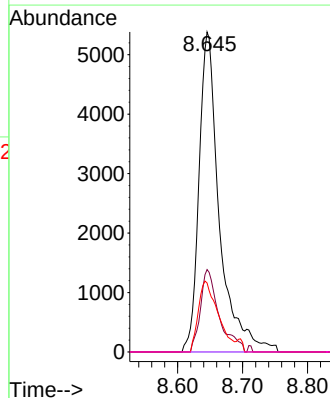
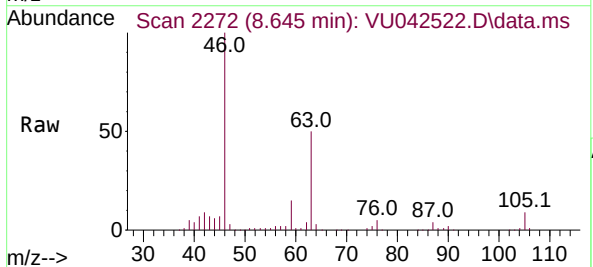
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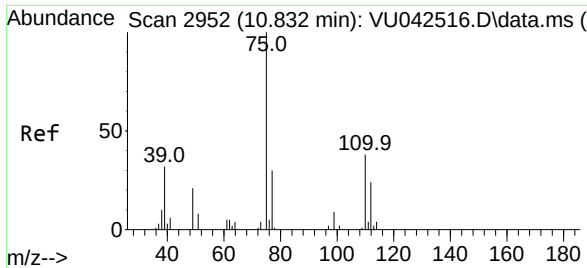
Tgt Ion: 75 Resp: 733  
Ion Ratio Lower Upper  
75 100  
77 53.3 21.8 40.4#



#48  
2-Hexanone  
Concen: 2.42 ug/L  
RT: 8.645 min Scan# 2272  
Delta R.T. -0.052 min  
Lab File: VU042522.D  
Acq: 08 Mar 2021 12:29

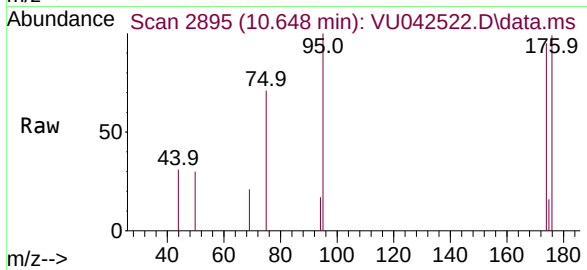
Tgt Ion: 43 Resp: 11767  
Ion Ratio Lower Upper  
43 100  
58 23.6 40.6 61.0#  
57 21.5 14.9 22.3  
100 0.0 8.6 12.8#





#59  
 1,2,3-Trichloropropane  
 Concen: 0.12 ug/L  
 RT: 10.648 min Scan# 2895  
 Delta R.T. -0.183 min  
 Lab File: VU042522.D  
 Acq: 08 Mar 2021 12:29

Instrument :  
 MSVOA\_U  
 ClientSampleId :



Tgt Ion: 75 Resp: 670  
 Ion Ratio Lower Upper  
 75 100  
 77 0.0 26.0 39.0#

