

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_U\Data\VU120821\  
 Data File : VU046167.D  
 Acq On : 08 Dec 2021 11:50  
 Operator : SY/MD  
 Sample : M4960-08  
 Misc : 5.0mL/MSVOA\_U/WATER  
 ALS Vial : 6 Sample Multiplier: 1

Instrument :  
 MSVOA\_U  
 ClientSampleId :

Quant Time: Dec 09 03:19:12 2021  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_U\Method\SFAMULM112921WMA.M  
 Quant Title : VOC Analysis  
 QLast Update : Fri Dec 03 05:08:36 2021  
 Response via : Initial Calibration

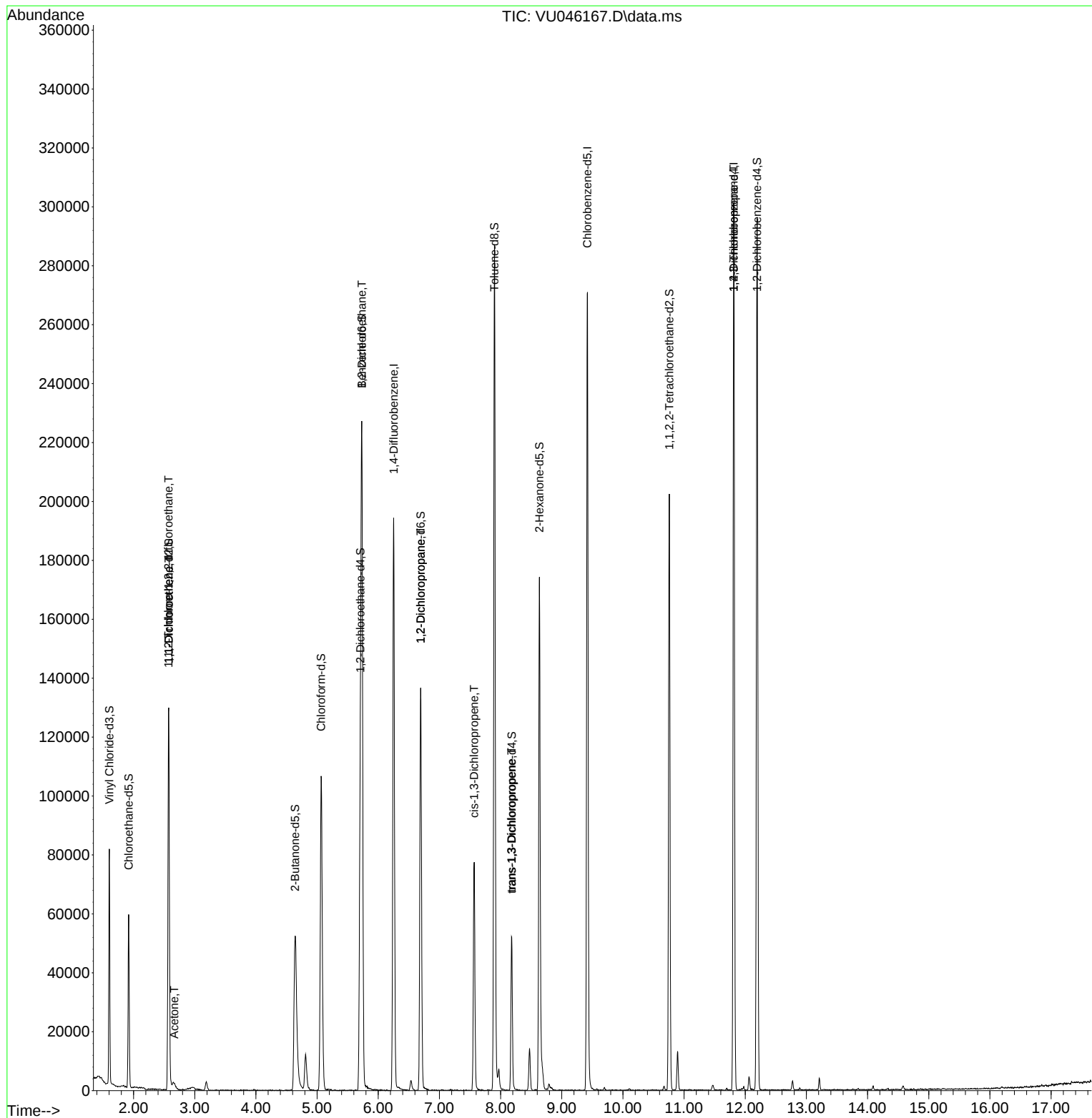
| Compound                      | R.T.    | QIon  | Response | Conc     | Units  | Dev(Min) |
|-------------------------------|---------|-------|----------|----------|--------|----------|
| Internal Standards            |         |       |          |          |        |          |
| 1) 1,4-Difluorobenzene        | 6.253   | 114   | 162010   | 50.000   | ug/L   | 0.00     |
| 28) Chlorobenzene-d5          | 9.420   | 117   | 160304   | 50.000   | ug/L   | 0.00     |
| 58) 1,4-Dichlorobenzene-d4    | 11.812  | 152   | 81875    | 50.000   | ug/L   | 0.00     |
| System Monitoring Compounds   |         |       |          |          |        |          |
| 4) Vinyl Chloride-d3          | 1.604   | 65    | 54711    | 40.996   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000  | Range | 60 - 135 | Recovery | =      | 82.000%  |
| 7) Chloroethane-d5            | 1.919   | 69    | 42330    | 41.311   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000  | Range | 70 - 130 | Recovery | =      | 82.620%  |
| 11) 1,1-Dichloroethene-d2     | 2.575   | 63    | 76815    | 32.063   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000  | Range | 60 - 125 | Recovery | =      | 64.120%  |
| 21) 2-Butanone-d5             | 4.642   | 46    | 95868    | 90.364   | ug/L   | 0.00     |
| Spiked Amount                 | 100.000 | Range | 40 - 130 | Recovery | =      | 90.360%  |
| 24) Chloroform-d              | 5.067   | 84    | 99003    | 44.423   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000  | Range | 70 - 125 | Recovery | =      | 88.840%  |
| 26) 1,2-Dichloroethane-d4     | 5.706   | 65    | 68514    | 45.808   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000  | Range | 70 - 125 | Recovery | =      | 91.620%  |
| 32) Benzene-d6                | 5.732   | 84    | 217362   | 47.308   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000  | Range | 70 - 125 | Recovery | =      | 94.620%  |
| 36) 1,2-Dichloropropane-d6    | 6.693   | 67    | 66878    | 46.967   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000  | Range | 70 - 120 | Recovery | =      | 93.940%  |
| 41) Toluene-d8                | 7.899   | 98    | 194763   | 46.557   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000  | Range | 80 - 120 | Recovery | =      | 93.120%  |
| 43) trans-1,3-Dichloroprop... | 8.182   | 79    | 31079    | 45.213   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000  | Range | 60 - 125 | Recovery | =      | 90.420%  |
| 47) 2-Hexanone-d5             | 8.636   | 63    | 64704    | 95.837   | ug/L   | 0.00     |
| Spiked Amount                 | 100.000 | Range | 45 - 130 | Recovery | =      | 95.840%  |
| 56) 1,1,2,2-Tetrachloroeth... | 10.758  | 84    | 99078    | 45.881   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000  | Range | 65 - 120 | Recovery | =      | 91.760%  |
| 66) 1,2-Dichlorobenzene-d4    | 12.195  | 152   | 79161    | 50.205   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000  | Range | 80 - 120 | Recovery | =      | 100.400% |
| Target Compounds              |         |       |          |          |        |          |
|                               |         |       |          |          | Qvalue |          |
| 10) 1,1,2-Trichloro-1,2,2-... | 2.571   | 101   | 680      | 0.577    | ug/L # | 21       |
| 12) 1,1-Dichloroethene        | 2.575   | 96    | 507      | 0.453    | ug/L # | 1        |
| 13) Acetone                   | 2.665   | 43    | 4266     | 3.217    | ug/L   | 95       |
| 27) 1,2-Dichloroethane        | 5.732   | 62    | 1072     | 0.603    | ug/L # | 73       |
| 37) 1,2-Dichloropropane       | 6.693   | 63    | 6995     | 5.504    | ug/L # | 86       |
| 39) cis-1,3-Dichloropropene   | 7.568   | 75    | 1803     | 0.933    | ug/L # | 66       |
| 44) trans-1,3-Dichloropropene | 8.179   | 75    | 1278     | 0.673    | ug/L # | 68       |
| 60) 1,2,3-Trichloropropane    | 11.812  | 75    | 9321     | 5.193    | ug/L # | 64       |

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

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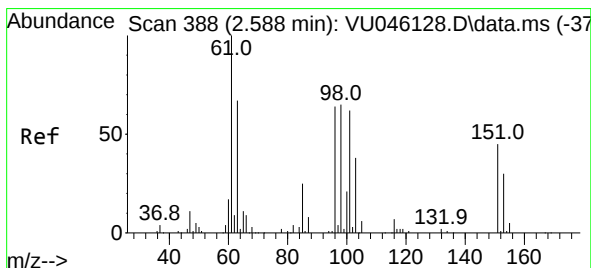
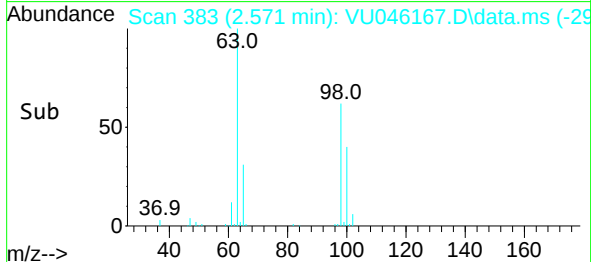
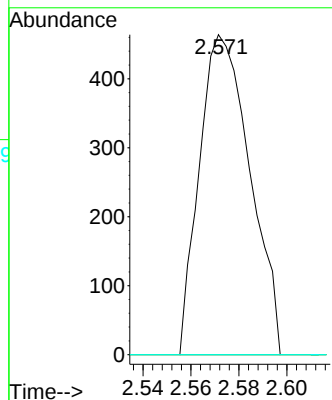
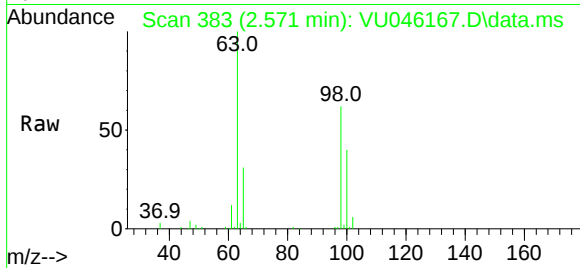




#10  
1,1,2-Trichloro-1,2,2-trifluoroethane  
Concen: 0.577 ug/L  
RT: 2.571 min Scan# 383  
Delta R.T. -0.016 min  
Lab File: VU046167.D  
Acq: 08 Dec 2021 11:50

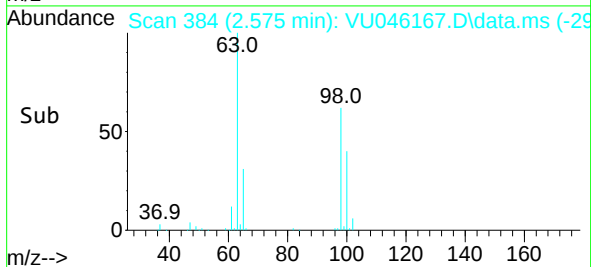
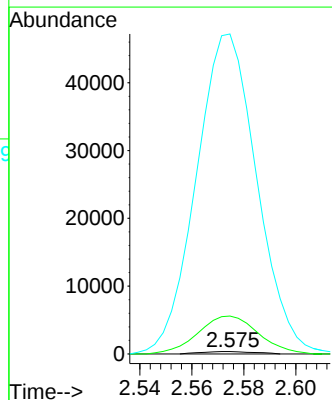
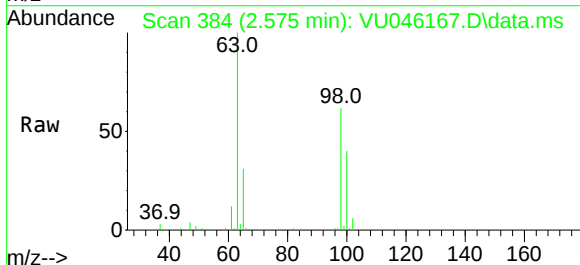
Instrument :  
MSVOA\_U  
ClientSampleId :

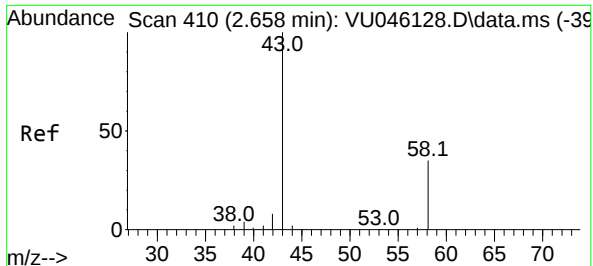
Tgt Ion:101 Resp: 680  
Ion Ratio Lower Upper  
101 100  
85 0.0 35.1 52.7#  
151 0.0 56.7 85.1#



#12  
1,1-Dichloroethene  
Concen: 0.453 ug/L  
RT: 2.575 min Scan# 384  
Delta R.T. -0.010 min  
Lab File: VU046167.D  
Acq: 08 Dec 2021 11:50

Tgt Ion: 96 Resp: 507  
Ion Ratio Lower Upper  
96 100  
61 1531.2 118.6 220.2#  
63 12929.3 93.0 172.8#





#13

Acetone

Concen: 3.217 ug/L

RT: 2.665 min Scan# 41

Delta R.T. 0.003 min

Lab File: VU046167.D

Acq: 08 Dec 2021 11:50

Instrument :

MSVOA\_U

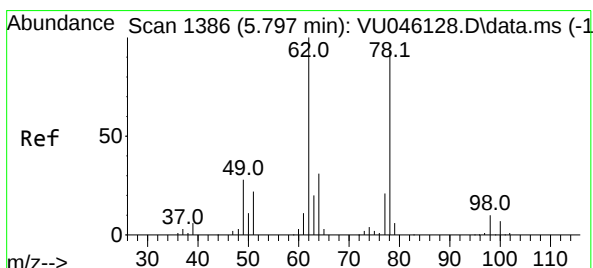
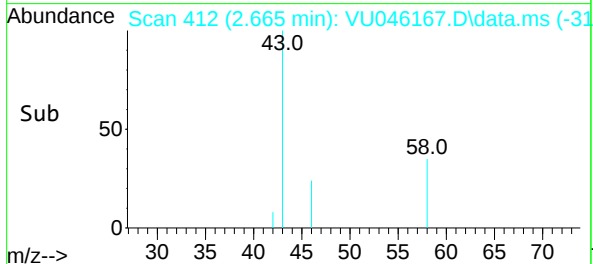
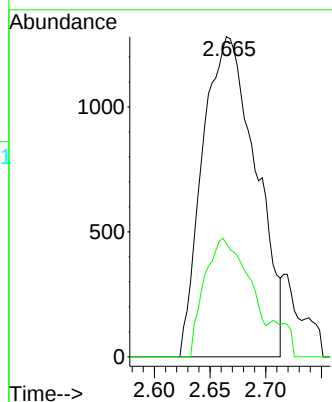
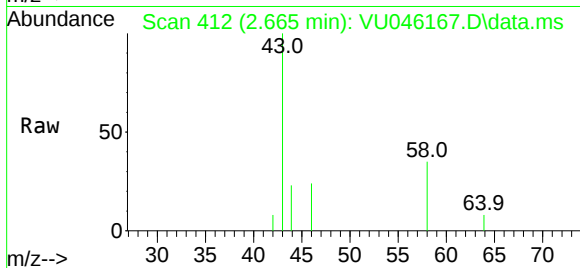
ClientSampleId :

Tgt Ion: 43 Resp: 4266

Ion Ratio Lower Upper

43 100

58 30.8 0.0 66.8



#27

1,2-Dichloroethane

Concen: 0.603 ug/L

RT: 5.732 min Scan# 1366

Delta R.T. -0.068 min

Lab File: VU046167.D

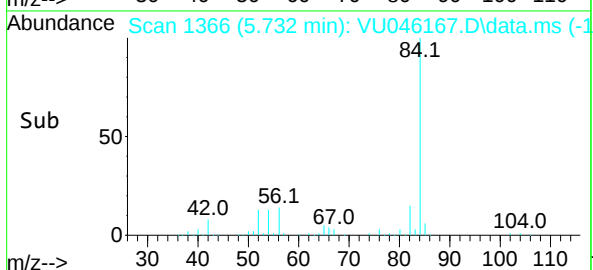
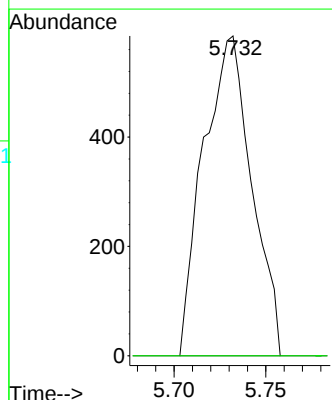
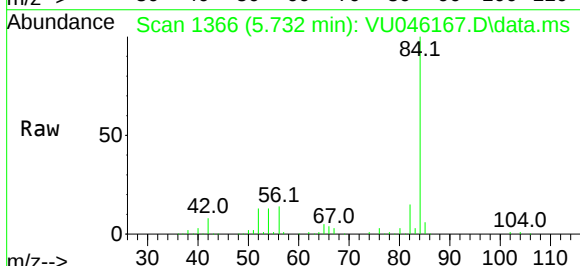
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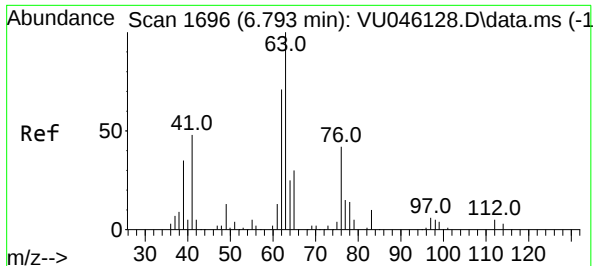
Tgt Ion: 62 Resp: 1072

Ion Ratio Lower Upper

62 100

98 0.0 7.9 11.9#

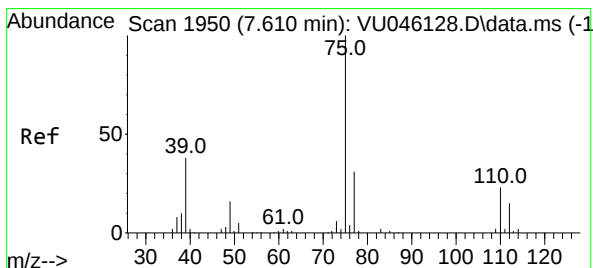
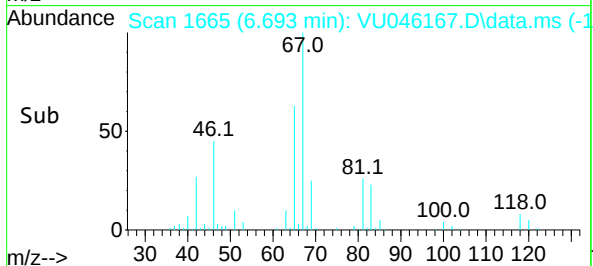
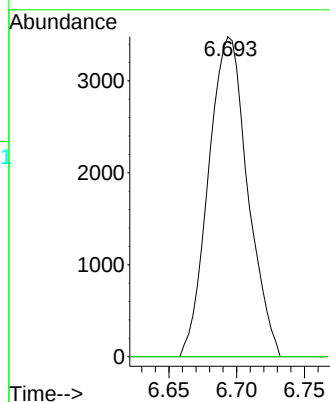
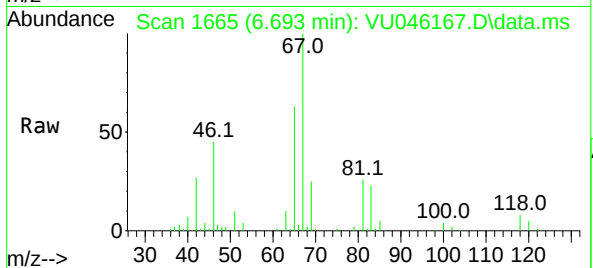




#37  
1,2-Dichloropropane  
Concen: 5.504 ug/L  
RT: 6.693 min Scan# 11  
Delta R.T. -0.100 min  
Lab File: VU046167.D  
Acq: 08 Dec 2021 11:50

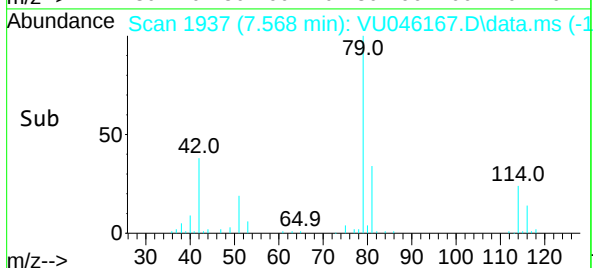
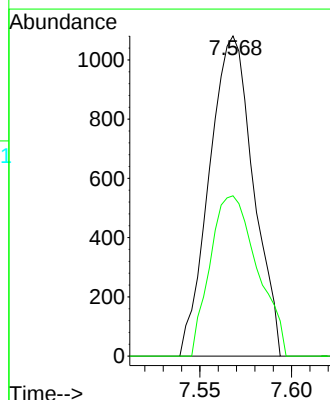
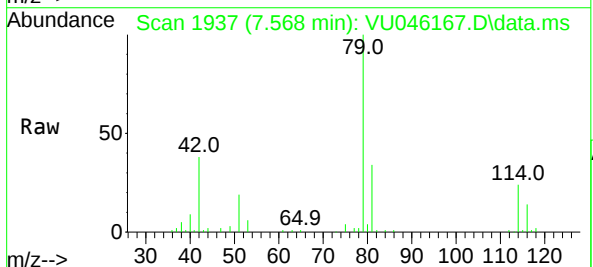
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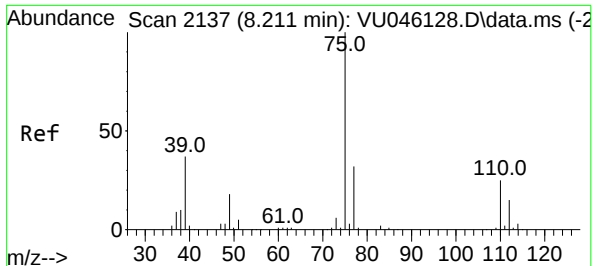
Tgt Ion: 63 Resp: 6995  
Ion Ratio Lower Upper  
63 100  
112 0.0 3.8 5.6#



#39  
cis-1,3-Dichloropropene  
Concen: 0.933 ug/L  
RT: 7.568 min Scan# 1937  
Delta R.T. -0.042 min  
Lab File: VU046167.D  
Acq: 08 Dec 2021 11:50

Tgt Ion: 75 Resp: 1803  
Ion Ratio Lower Upper  
75 100  
77 50.0 21.8 40.6#

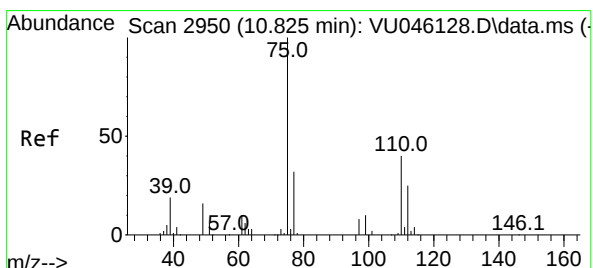
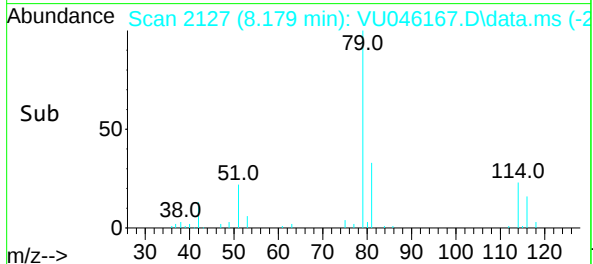
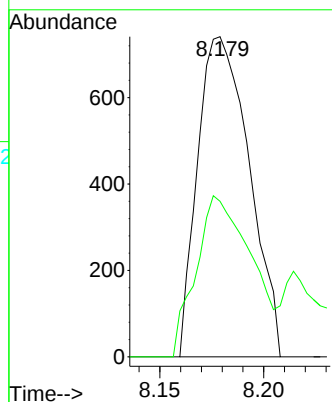
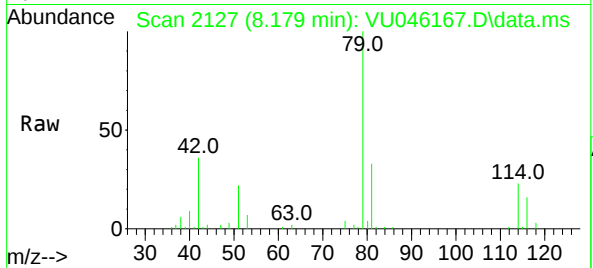




#44  
trans-1,3-Dichloropropene  
Concen: 0.673 ug/L  
RT: 8.179 min Scan# 2137  
Delta R.T. -0.035 min  
Lab File: VU046167.D  
Acq: 08 Dec 2021 11:50

Instrument :  
MSVOA\_U  
ClientSampleId :

Tgt Ion: 75 Resp: 1278  
Ion Ratio Lower Upper  
75 100  
77 48.6 21.7 40.3#



#60  
1,2,3-Trichloropropane  
Concen: 5.193 ug/L  
RT: 11.812 min Scan# 3257  
Delta R.T. 0.987 min  
Lab File: VU046167.D  
Acq: 08 Dec 2021 11:50

Tgt Ion: 75 Resp: 9321  
Ion Ratio Lower Upper  
75 100  
77 33.0 26.4 39.6  
110 0.4 32.4 48.6#

