

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_U\Data\VU113021\  
 Data File : VU046028.D  
 Acq On : 30 Nov 2021 12:36  
 Operator : SY/MD  
 Sample : M4833-19ME  
 Misc : 4.27g/5.0mL/100uL/5.0mL/MSVOA\_U/MEOH  
 ALS Vial : 6 Sample Multiplier: 1

Instrument :  
 MSVOA\_U  
 ClientSampleId :

Quant Time: Dec 01 00:34:41 2021  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_U\Method\SFAMULM112921WMA.M  
 Quant Title : VOC Analysis  
 QLast Update : Wed Dec 01 00:33:27 2021  
 Response via : Initial Calibration

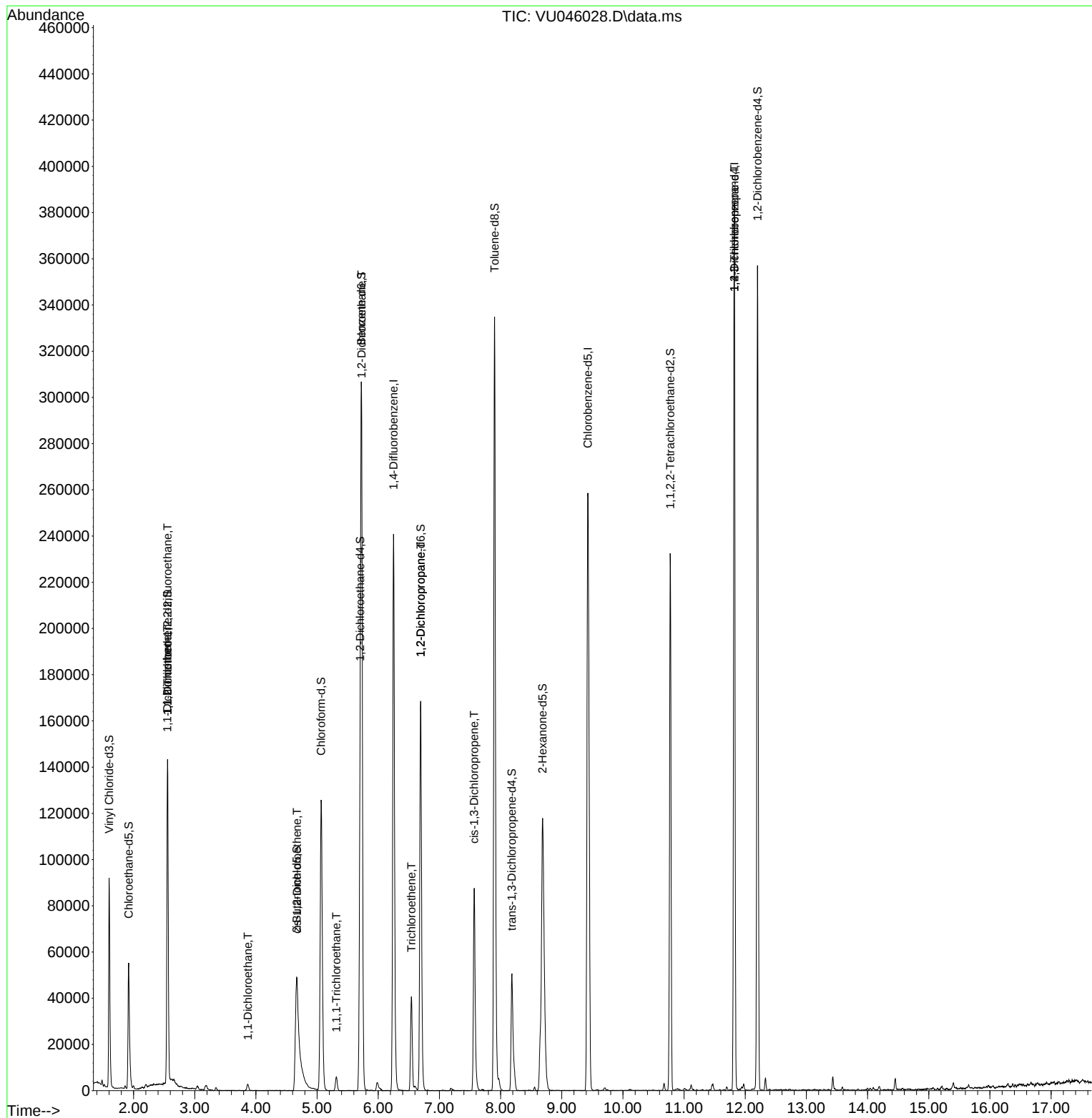
| Compound                      | R.T.    | QIon  | Response | Conc     | Units  | Dev(Min) |
|-------------------------------|---------|-------|----------|----------|--------|----------|
| -----                         |         |       |          |          |        |          |
| Internal Standards            |         |       |          |          |        |          |
| 1) 1,4-Difluorobenzene        | 6.250   | 114   | 215447   | 50.000   | ug/L   | 0.00     |
| 28) Chlorobenzene-d5          | 9.426   | 117   | 213009   | 50.000   | ug/L   | 0.00     |
| 58) 1,4-Dichlorobenzene-d4    | 11.822  | 152   | 101269   | 50.000   | ug/L   | 0.00     |
|                               |         |       |          |          |        |          |
| System Monitoring Compounds   |         |       |          |          |        |          |
| 4) Vinyl Chloride-d3          | 1.600   | 65    | 75905    | 42.770   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000  | Range | 60 - 135 | Recovery | =      | 85.540%  |
| 7) Chloroethane-d5            | 1.919   | 69    | 53702    | 39.410   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000  | Range | 70 - 130 | Recovery | =      | 78.820%  |
| 11) 1,1-Dichloroethene-d2     | 2.555   | 63    | 83579    | 26.233   | ug/L   | -0.02    |
| Spiked Amount                 | 50.000  | Range | 60 - 125 | Recovery | =      | 52.460%# |
| 21) 2-Butanone-d5             | 4.668   | 46    | 121066   | 85.812   | ug/L   | 0.02     |
| Spiked Amount                 | 100.000 | Range | 40 - 130 | Recovery | =      | 85.810%  |
| 24) Chloroform-d              | 5.066   | 84    | 123733   | 41.749   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000  | Range | 70 - 125 | Recovery | =      | 83.500%  |
| 26) 1,2-Dichloroethane-d4     | 5.703   | 65    | 87488    | 43.986   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000  | Range | 70 - 125 | Recovery | =      | 87.980%  |
| 32) Benzene-d6                | 5.726   | 84    | 276379   | 45.269   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000  | Range | 70 - 125 | Recovery | =      | 90.540%  |
| 36) 1,2-Dichloropropane-d6    | 6.693   | 67    | 86098    | 45.504   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000  | Range | 70 - 120 | Recovery | =      | 91.000%  |
| 41) Toluene-d8                | 7.902   | 98    | 251598   | 45.261   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000  | Range | 80 - 120 | Recovery | =      | 90.520%  |
| 43) trans-1,3-Dichloroprop... | 8.182   | 79    | 41563    | 45.504   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000  | Range | 60 - 125 | Recovery | =      | 91.000%  |
| 47) 2-Hexanone-d5             | 8.687   | 63    | 79152    | 88.229   | ug/L   | 0.05     |
| Spiked Amount                 | 100.000 | Range | 45 - 130 | Recovery | =      | 88.230%  |
| 56) 1,1,2,2-Tetrachloroeth... | 10.774  | 84    | 118233   | 41.204   | ug/L   | 0.01     |
| Spiked Amount                 | 50.000  | Range | 65 - 120 | Recovery | =      | 82.400%  |
| 66) 1,2-Dichlorobenzene-d4    | 12.201  | 152   | 92162    | 47.256   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000  | Range | 80 - 120 | Recovery | =      | 94.520%  |
|                               |         |       |          |          |        |          |
| Target Compounds              |         |       |          |          |        | Qvalue   |
| 10) 1,1,2-Trichloro-1,2,2-... | 2.555   | 101   | 600      | 0.383    | ug/L # | 21       |
| 12) 1,1-Dichloroethene        | 2.552   | 96    | 599      | 0.402    | ug/L # | 1        |
| 19) 1,1-Dichloroethane        | 3.870   | 63    | 3695     | 1.289    | ug/L   | 94       |
| 20) cis-1,2-Dichloroethene    | 4.671   | 96    | 8116     | 4.745    | ug/L   | 97       |
| 27) 1,2-Dichloroethane        | 5.729   | 62    | 1491     | 0.631    | ug/L # | 73       |
| 30) 1,1,1-Trichloroethane     | 5.314   | 97    | 4781     | 1.829    | ug/L   | 98       |
| 34) Trichloroethene           | 6.542   | 95    | 13225    | 7.787    | ug/L   | 98       |
| 37) 1,2-Dichloropropane       | 6.693   | 63    | 9639     | 5.708    | ug/L # | 86       |
| 39) cis-1,3-Dichloropropene   | 7.568   | 75    | 2539     | 0.988    | ug/L   | 83       |
| 60) 1,2,3-Trichloropropane    | 11.822  | 75    | 11695    | 5.268    | ug/L # | 65       |
| -----                         |         |       |          |          |        |          |

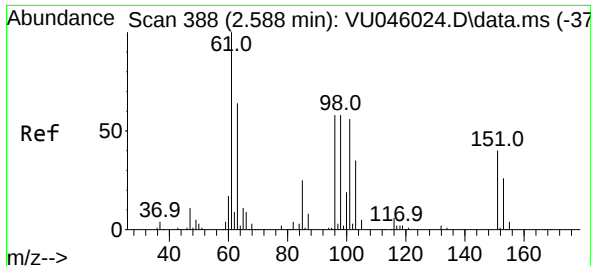
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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ALS Vial : 6 Sample Multiplier: 1

Instrument :  
MSVOA\_U  
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Quant Time: Dec 01 00:34:41 2021  
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_U\Method\SFAMULM112921WMA.M  
Quant Title : VOC Analysis  
QLast Update : Wed Dec 01 00:33:27 2021  
Response via : Initial Calibration

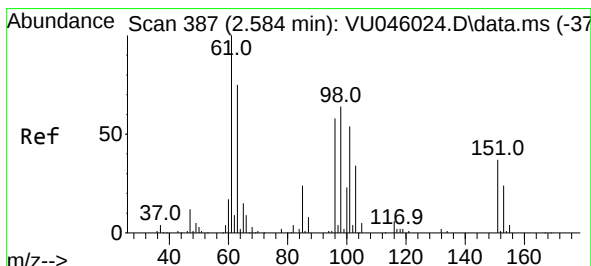
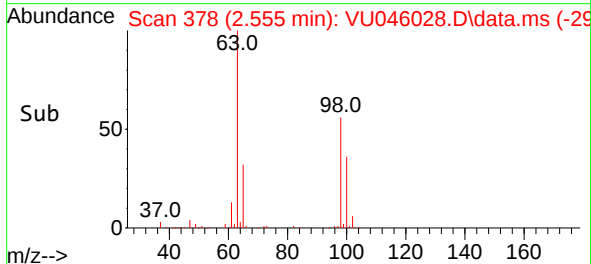
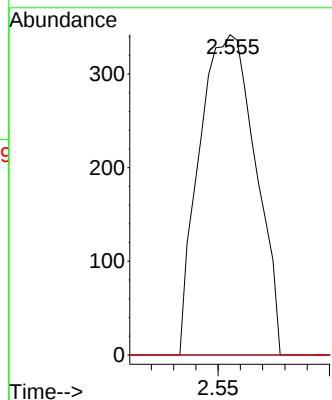
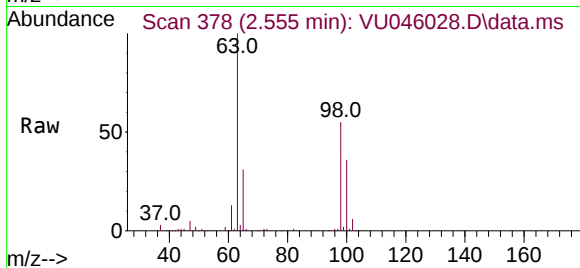




#10  
1,1,2-Trichloro-1,2,2-trifluoroethane  
Concen: 0.383 ug/L  
RT: 2.555 min Scan# 31  
Delta R.T. -0.032 min  
Lab File: VU046028.D  
Acq: 30 Nov 2021 12:36

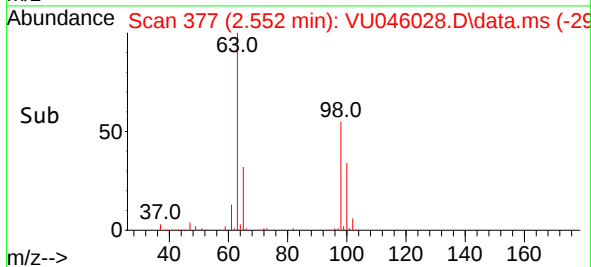
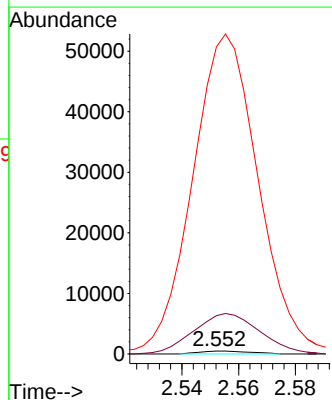
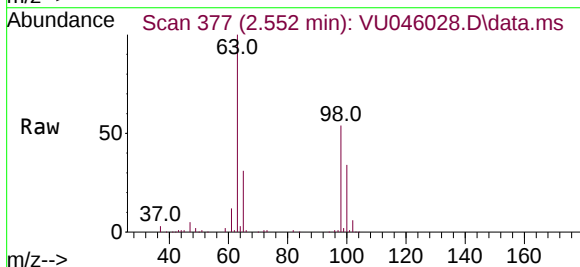
Instrument :  
MSVOA\_U  
ClientSampleId :

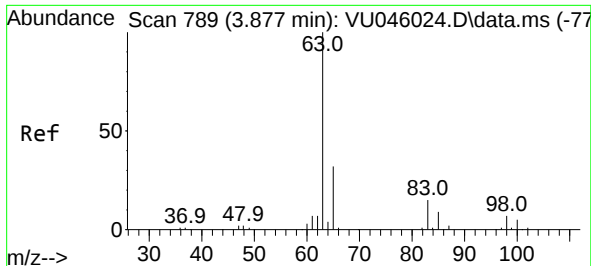
Tgt Ion:101 Resp: 600  
Ion Ratio Lower Upper  
101 100  
85 0.0 35.1 52.7#  
151 0.0 56.7 85.1#



#12  
1,1-Dichloroethene  
Concen: 0.402 ug/L  
RT: 2.552 min Scan# 377  
Delta R.T. -0.032 min  
Lab File: VU046028.D  
Acq: 30 Nov 2021 12:36

Tgt Ion: 96 Resp: 599  
Ion Ratio Lower Upper  
96 100  
61 1300.8 118.6 220.2#  
63 10426.3 93.0 172.8#





#19

1,1-Dichloroethane

Concen: 1.289 ug/L

RT: 3.870 min Scan# 789

Delta R.T. -0.007 min

Lab File: VU046028.D

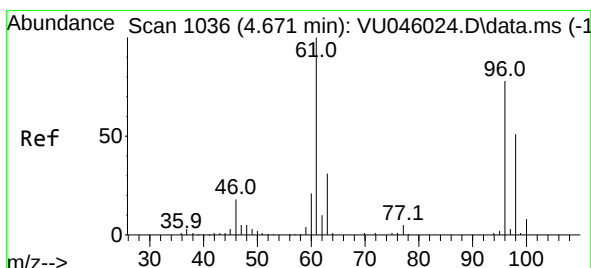
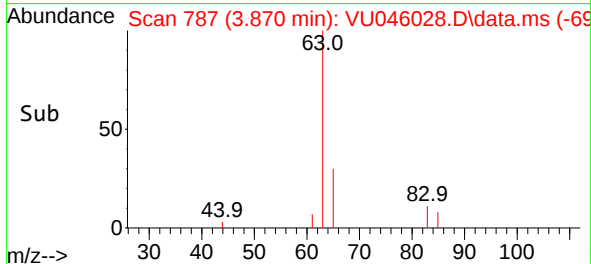
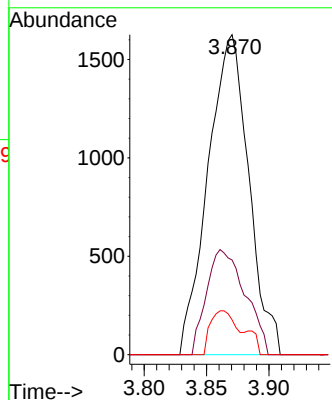
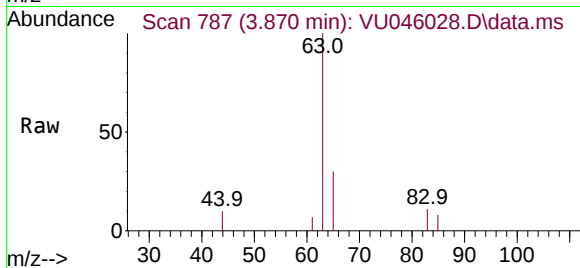
Acq: 30 Nov 2021 12:36

Instrument :

MSVOA\_U

ClientSampleId :

|             |             |
|-------------|-------------|
| Tgt Ion: 63 | Resp: 3695  |
| Ion Ratio   | Lower Upper |
| 63 100      |             |
| 65 29.6     | 22.8 42.4   |
| 83 10.9     | 9.6 17.8    |



#20

cis-1,2-Dichloroethene

Concen: 4.745 ug/L

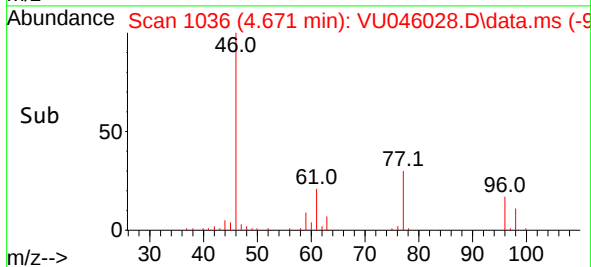
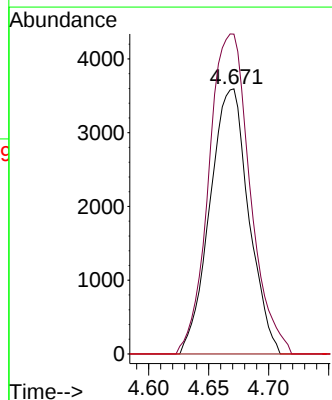
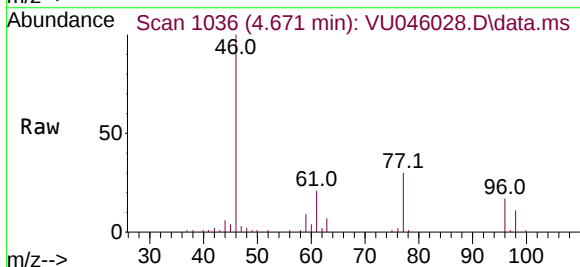
RT: 4.671 min Scan# 1036

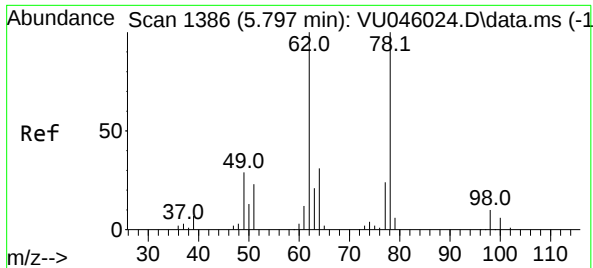
Delta R.T. -0.000 min

Lab File: VU046028.D

Acq: 30 Nov 2021 12:36

|             |             |
|-------------|-------------|
| Tgt Ion: 96 | Resp: 8116  |
| Ion Ratio   | Lower Upper |
| 96 100      |             |
| 61 120.6    | 86.8 161.2  |
| 68 0.0      | 0.0 0.0     |

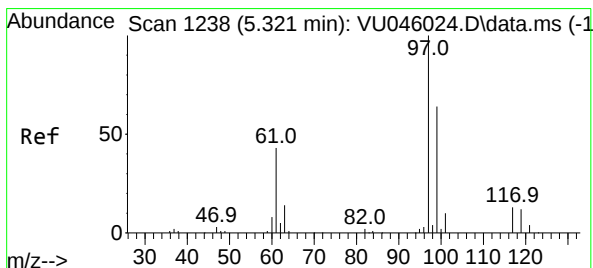
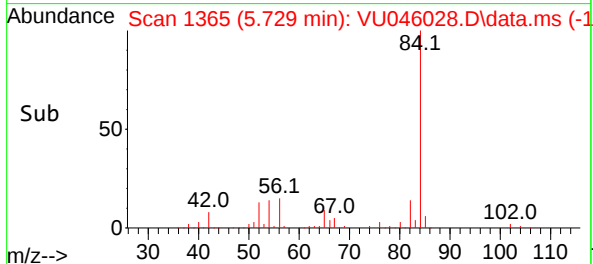
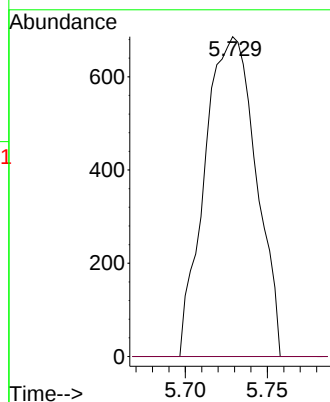
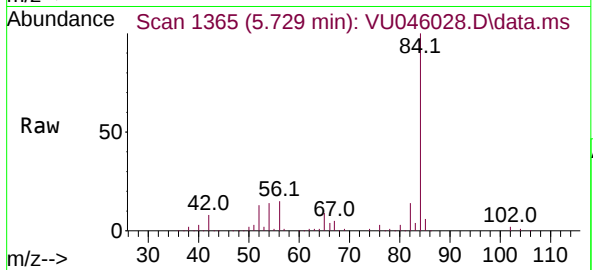




#27  
1,2-Dichloroethane  
Concen: 0.631 ug/L  
RT: 5.729 min Scan# 11  
Delta R.T. -0.068 min  
Lab File: VU046028.D  
Acq: 30 Nov 2021 12:36

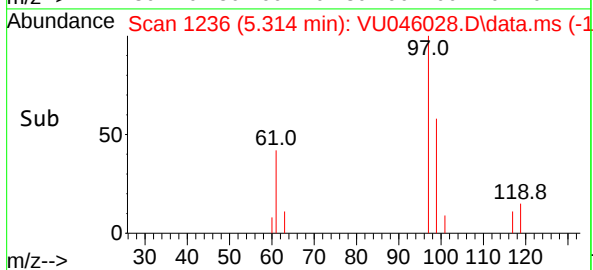
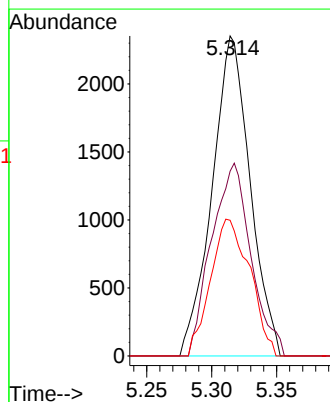
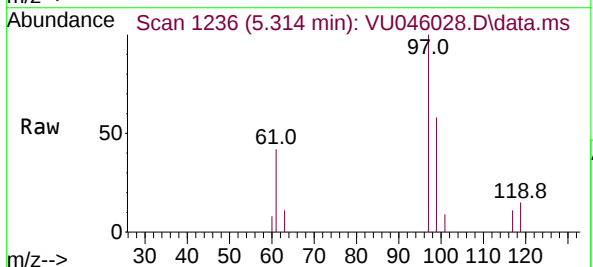
Instrument :  
MSVOA\_U  
ClientSampleId :

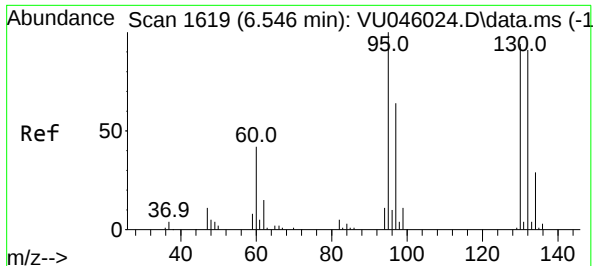
Tgt Ion: 62 Resp: 1491  
Ion Ratio Lower Upper  
62 100  
98 0.0 7.9 11.9#



#30  
1,1,1-Trichloroethane  
Concen: 1.829 ug/L  
RT: 5.314 min Scan# 1236  
Delta R.T. -0.007 min  
Lab File: VU046028.D  
Acq: 30 Nov 2021 12:36

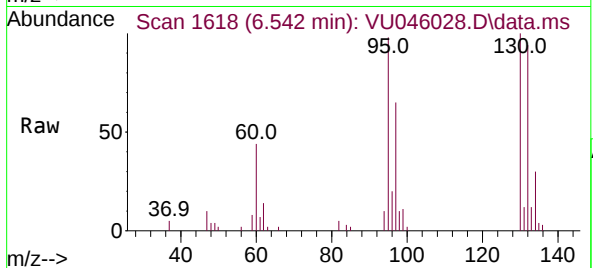
Tgt Ion: 97 Resp: 4781  
Ion Ratio Lower Upper  
97 100  
99 62.7 51.8 77.6  
61 44.2 34.4 51.6



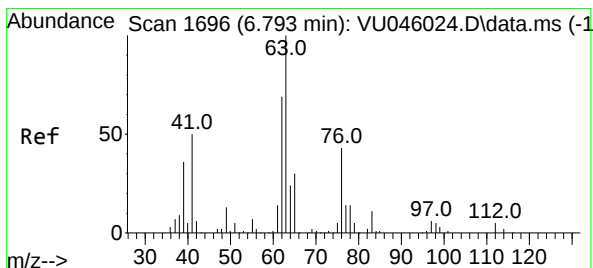
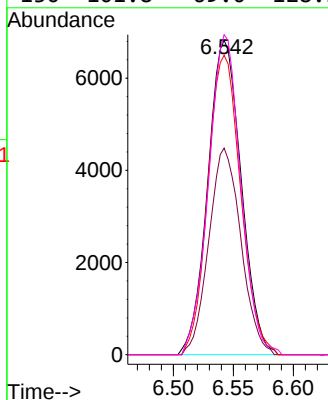
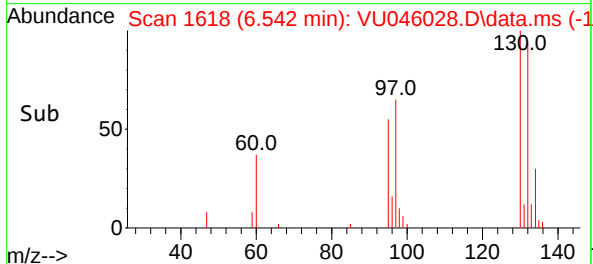


#34  
Trichloroethene  
Concen: 7.787 ug/L  
RT: 6.542 min Scan# 1618  
Delta R.T. -0.003 min  
Lab File: VU046028.D  
Acq: 30 Nov 2021 12:36

Instrument :  
MSVOA\_U  
ClientSampleId :

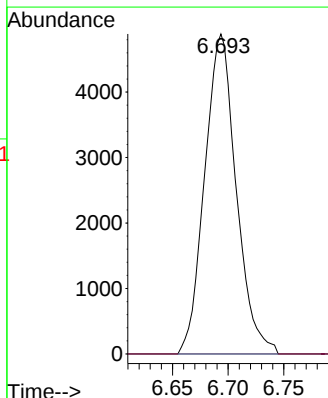
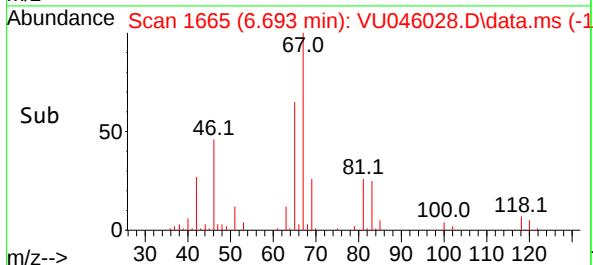
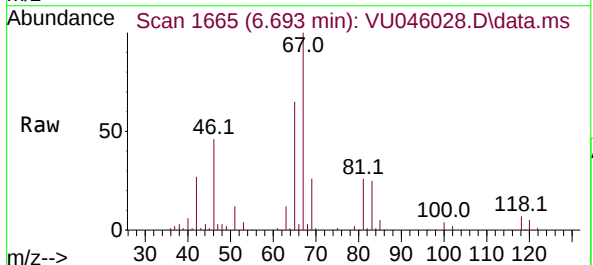


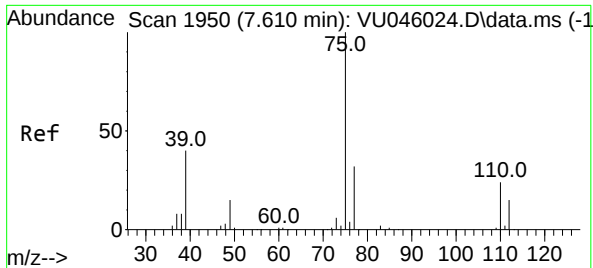
Tgt Ion: 95 Resp: 13225  
Ion Ratio Lower Upper  
95 100  
97 65.7 44.1 81.9  
132 95.2 66.8 124.0  
130 101.8 69.0 128.1



#37  
1,2-Dichloropropane  
Concen: 5.708 ug/L  
RT: 6.693 min Scan# 1665  
Delta R.T. -0.100 min  
Lab File: VU046028.D  
Acq: 30 Nov 2021 12:36

Tgt Ion: 63 Resp: 9639  
Ion Ratio Lower Upper  
63 100  
112 0.0 3.8 5.6#





#39

cis-1,3-Dichloropropene

Concen: 0.988 ug/L

RT: 7.568 min Scan# 11

Delta R.T. -0.042 min

Lab File: VU046028.D

Acq: 30 Nov 2021 12:36

Instrument :

MSVOA\_U

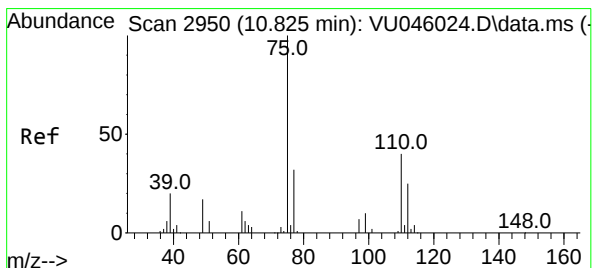
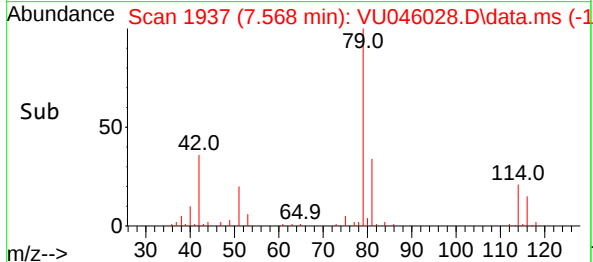
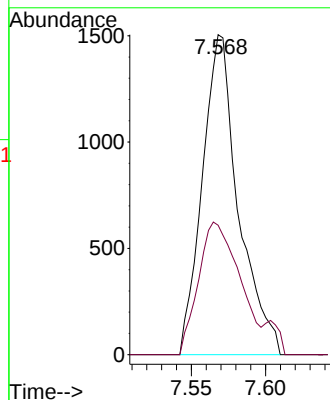
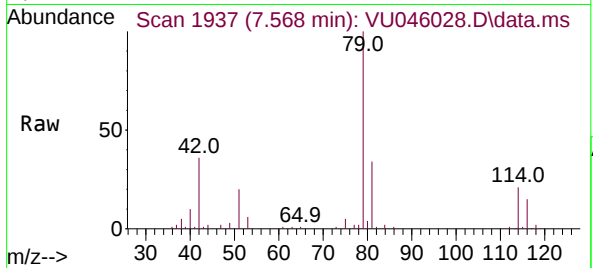
ClientSampleId :

Tgt Ion: 75 Resp: 2539

Ion Ratio Lower Upper

75 100

77 40.5 21.8 40.6



#60

1,2,3-Trichloropropane

Concen: 5.268 ug/L

RT: 11.822 min Scan# 3260

Delta R.T. 0.997 min

Lab File: VU046028.D

Acq: 30 Nov 2021 12:36

Tgt Ion: 75 Resp: 11695

Ion Ratio Lower Upper

75 100

77 35.3 26.4 39.6

110 2.5 32.4 48.6#

