

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_U\Data\VU072822\  
 Data File : VU049986.D  
 Acq On : 28 Jul 2022 15:34  
 Operator : SY/MD  
 Sample : VIBLK  
 Misc : 25.0mL/MSVOA\_U/WATER  
 ALS Vial : 9 Sample Multiplier: 1

Instrument :  
 MSVOA\_U  
 ClientSampleId :  
 VIBLK106

Quant Time: Jul 29 02:37:09 2022  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_U\Method\SFAMUTR072722WMA.M  
 Quant Title : TRACE VOA SFAM1.0  
 QLast Update : Fri Jul 29 02:27:55 2022  
 Response via : Initial Calibration

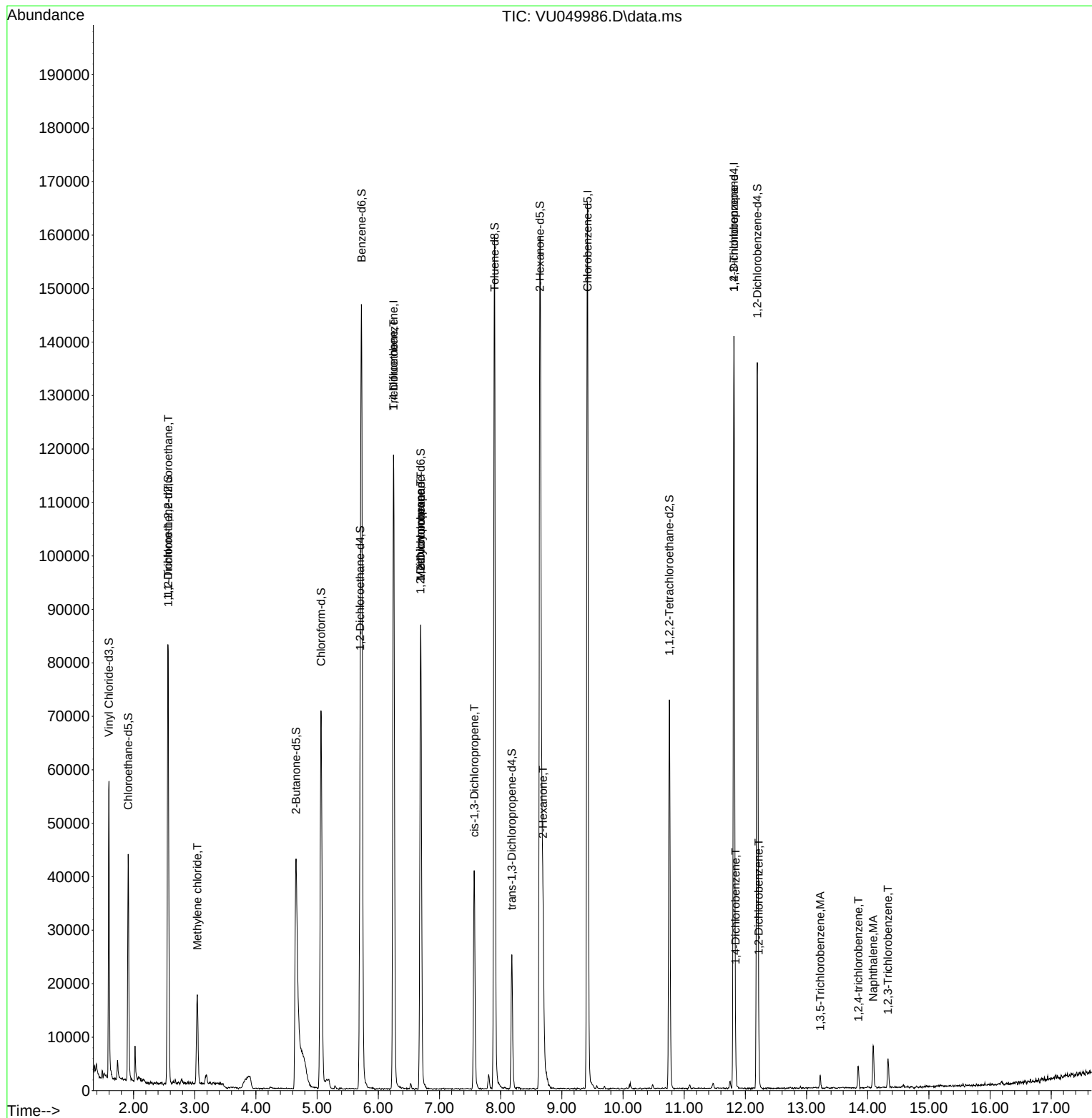
| Compound                      | R.T.   | QIon  | Response | Conc     | Units  | Dev(Min) |
|-------------------------------|--------|-------|----------|----------|--------|----------|
| -----                         |        |       |          |          |        |          |
| Internal Standards            |        |       |          |          |        |          |
| 1) 1,4-Difluorobenzene        | 6.250  | 114   | 99782    | 5.000    | ug/L   | 0.00     |
| 28) Chlorobenzene-d5          | 9.420  | 117   | 98395    | 5.000    | ug/L   | 0.00     |
| 58) 1,4-Dichlorobenzene-d4    | 11.812 | 152   | 38907    | 5.000    | ug/L   | 0.00     |
|                               |        |       |          |          |        |          |
| System Monitoring Compounds   |        |       |          |          |        |          |
| 4) Vinyl Chloride-d3          | 1.597  | 65    | 40379    | 4.713    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 40 - 130 | Recovery | =      | 94.200%  |
| 7) Chloroethane-d5            | 1.912  | 69    | 30666    | 4.983    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 65 - 130 | Recovery | =      | 99.600%  |
| 11) 1,1-Dichloroethene-d2     | 2.562  | 65    | 15507    | 5.252    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 60 - 125 | Recovery | =      | 105.000% |
| 20) 2-Butanone-d5             | 4.655  | 46    | 89395    | 46.874   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000 | Range | 40 - 130 | Recovery | =      | 93.740%  |
| 24) Chloroform-d              | 5.063  | 84    | 67412    | 4.755    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 70 - 125 | Recovery | =      | 95.000%  |
| 26) 1,2-Dichloroethane-d4     | 5.703  | 65    | 33934    | 4.750    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 70 - 130 | Recovery | =      | 95.000%  |
| 32) Benzene-d6                | 5.726  | 84    | 136501   | 4.695    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 70 - 125 | Recovery | =      | 93.800%  |
| 36) 1,2-Dichloropropane-d6    | 6.694  | 67    | 45157    | 4.741    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 60 - 140 | Recovery | =      | 94.800%  |
| 41) Toluene-d8                | 7.899  | 98    | 112801   | 4.365    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 70 - 130 | Recovery | =      | 87.200%  |
| 43) trans-1,3-Dichloroprop... | 8.182  | 79    | 15513    | 4.647    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 55 - 130 | Recovery | =      | 93.000%  |
| 46) 2-Hexanone-d5             | 8.642  | 63    | 56557    | 45.256   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000 | Range | 45 - 130 | Recovery | =      | 90.520%  |
| 56) 1,1,2,2-Tetrachloroeth... | 10.758 | 84    | 38929    | 4.864    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 65 - 120 | Recovery | =      | 97.200%  |
| 66) 1,2-Dichlorobenzene-d4    | 12.195 | 152   | 36414    | 5.046    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 80 - 120 | Recovery | =      | 101.000% |
|                               |        |       |          |          |        |          |
| Target Compounds              |        |       |          |          |        | Qvalue   |
| 10) 1,1,2-Trichloro-1,2,2-... | 2.565  | 101   | 394      | 0.066    | ug/L # | 21       |
| 16) Methylene chloride        | 3.041  | 84    | 7879     | 0.930    | ug/L   | 98       |
| 34) Trichloroethene           | 6.250  | 95    | 1548     | 0.222    | ug/L # | 5        |
| 35) Methylcyclohexane         | 6.694  | 83    | 10065    | 1.093    | ug/L # | 19       |
| 37) 1,2-Dichloropropane       | 6.690  | 63    | 4346     | 0.549    | ug/L # | 88       |
| 39) cis-1,3-Dichloropropene   | 7.571  | 75    | 952      | 0.093    | ug/L # | 61       |
| 48) 2-Hexanone                | 8.690  | 43    | 16531    | 4.742    | ug/L # | 94       |
| 61) 1,2,3-Trichloropropane    | 11.812 | 75    | 5244     | 1.161    | ug/L # | 65       |
| 65) 1,4-Dichlorobenzene       | 11.838 | 146   | 1219     | 0.112    | ug/L   | 91       |
| 67) 1,2-Dichlorobenzene       | 12.218 | 146   | 1024     | 0.094    | ug/L   | 94       |
| 69) 1,3,5-Trichlorobenzene    | 13.224 | 180   | 1108     | 0.140    | ug/L # | 86       |
| 70) 1,2,4-trichlorobenzene    | 13.844 | 180   | 1738     | 0.275    | ug/L   | 98       |
| 71) Naphthalene               | 14.089 | 128   | 7358     | 0.586    | ug/L   | 97       |
| 72) 1,2,3-Trichlorobenzene    | 14.330 | 180   | 2180     | 0.347    | ug/L   | 100      |
| -----                         |        |       |          |          |        |          |

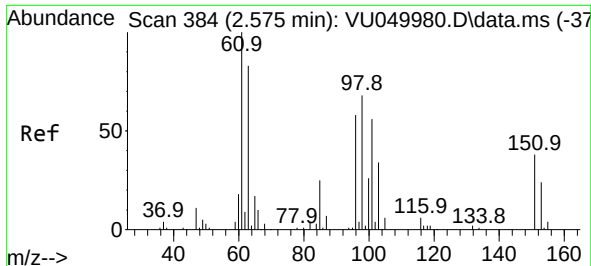
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_U\Data\VU072822\  
Data File : VU049986.D  
Acq On : 28 Jul 2022 15:34  
Operator : SY/MD  
Sample : VIBLK  
Misc : 25.0mL/MSVOA\_U/WATER  
ALS Vial : 9 Sample Multiplier: 1

Instrument :  
MSVOA\_U  
ClientSampleId :  
VIBLK106

Quant Time: Jul 29 02:37:09 2022  
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_U\Method\SFAMUTR072722WMA.M  
Quant Title : TRACE VOA SFAM1.0  
QLast Update : Fri Jul 29 02:27:55 2022  
Response via : Initial Calibration

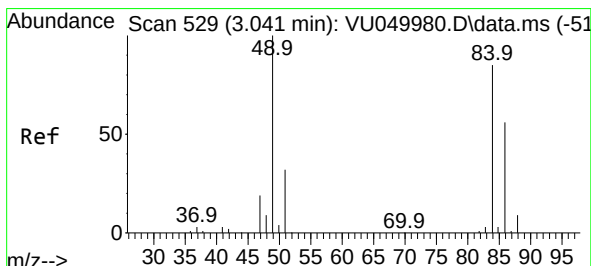
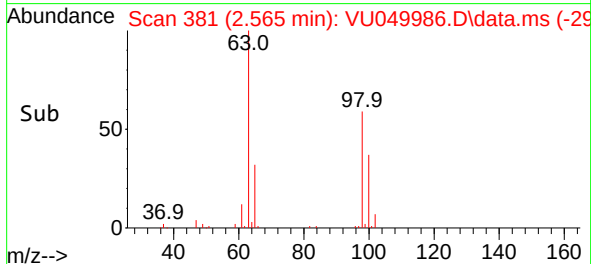
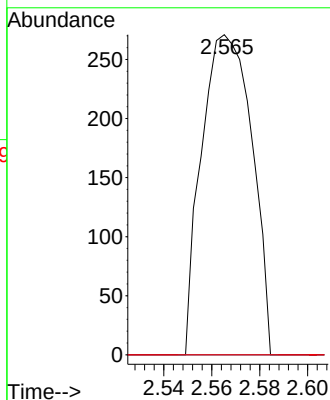
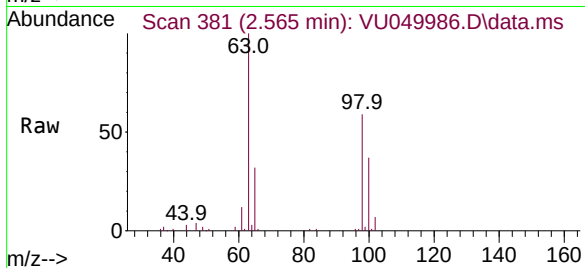




#10  
1,1,2-Trichloro-1,2,2-trifluoroethane  
Concen: 0.066 ug/L  
RT: 2.565 min Scan# 381  
Delta R.T. -0.009 min  
Lab File: VU049986.D  
Acq: 28 Jul 2022 15:34

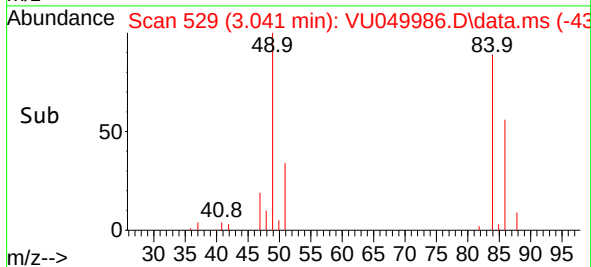
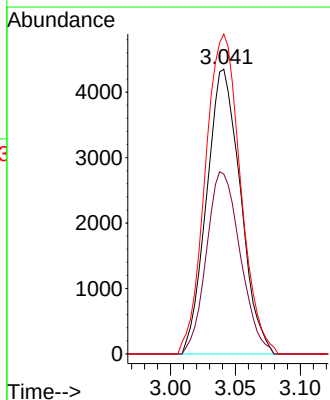
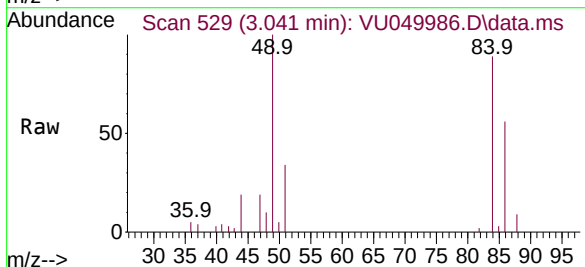
Instrument :  
MSVOA\_U  
ClientSampleId :  
VIBLK106

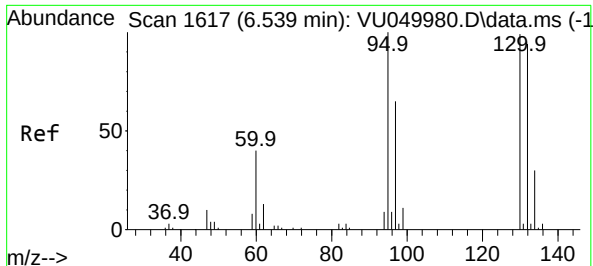
Tgt Ion:101 Resp: 394  
Ion Ratio Lower Upper  
101 100  
85 0.0 34.1 51.1#  
151 0.0 56.6 85.0#



#16  
Methylene chloride  
Concen: 0.930 ug/L  
RT: 3.041 min Scan# 529  
Delta R.T. 0.000 min  
Lab File: VU049986.D  
Acq: 28 Jul 2022 15:34

Tgt Ion: 84 Resp: 7879  
Ion Ratio Lower Upper  
84 100  
86 63.1 45.2 84.0  
49 112.3 77.6 144.0

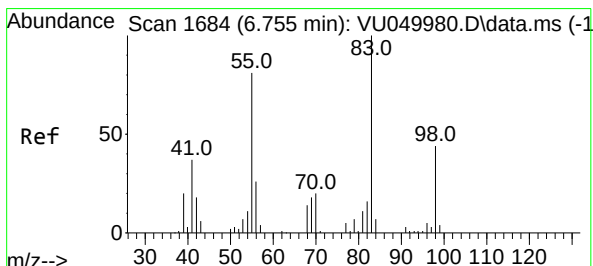
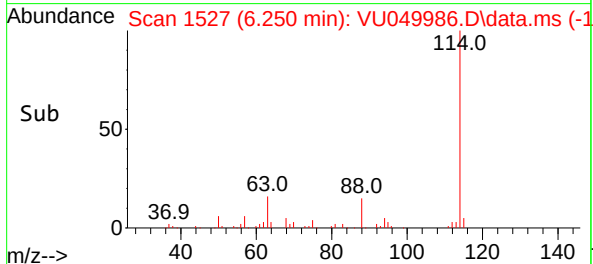
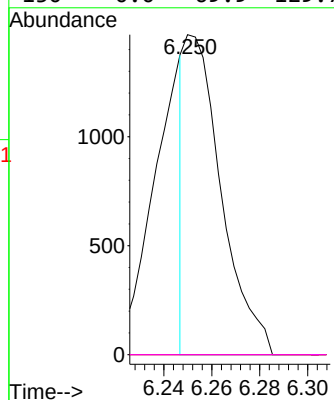
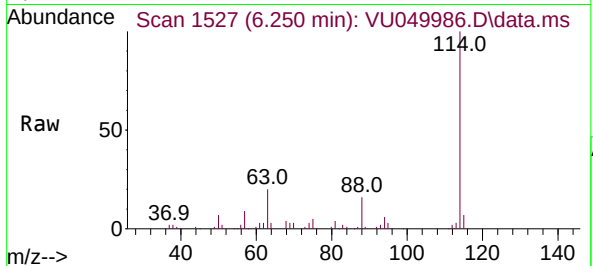




#34  
Trichloroethene  
Concen: 0.222 ug/L  
RT: 6.250 min Scan# 1  
Delta R.T. -0.289 min  
Lab File: VU049986.D  
Acq: 28 Jul 2022 15:34

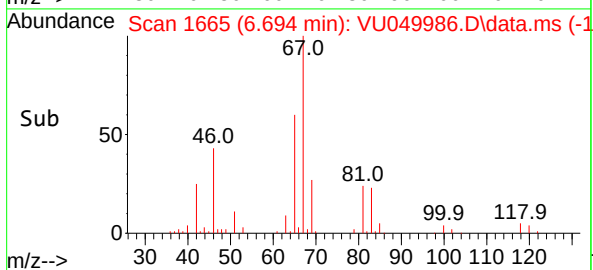
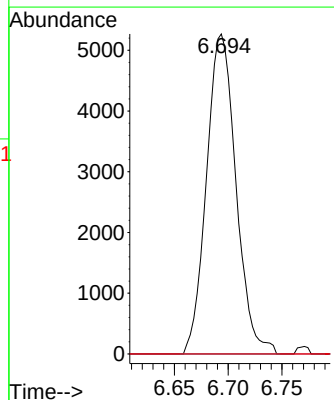
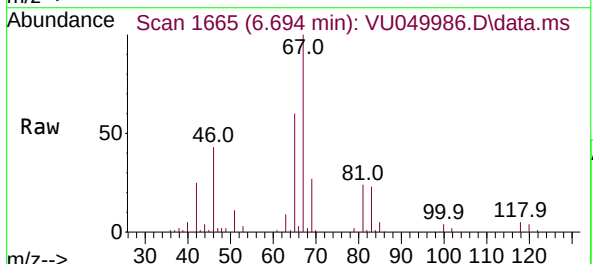
Instrument :  
MSVOA\_U  
ClientSampleId :  
VIBLK106

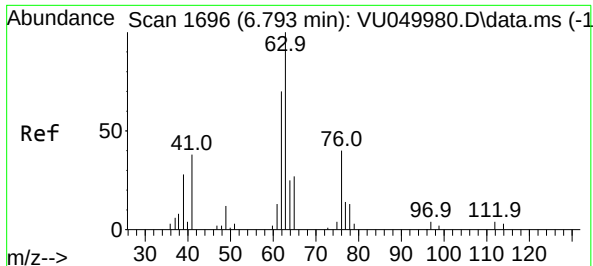
|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 95    | Resp: | 1548   |
| Ion      | Ratio | Lower | Upper  |
| 95       | 100   |       |        |
| 97       | 0.0   | 45.6  | 84.8#  |
| 132      | 0.0   | 66.8  | 124.2# |
| 130      | 0.0   | 69.9  | 129.7# |



#35  
Methylcyclohexane  
Concen: 1.093 ug/L  
RT: 6.694 min Scan# 1665  
Delta R.T. -0.061 min  
Lab File: VU049986.D  
Acq: 28 Jul 2022 15:34

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 83    | Resp: | 10065 |
| Ion      | Ratio | Lower | Upper |
| 83       | 100   |       |       |
| 55       | 0.0   | 61.6  | 92.4# |
| 98       | 0.0   | 34.8  | 52.2# |





#37

1,2-Dichloropropane

Concen: 0.549 ug/L

RT: 6.690 min Scan# 1

Delta R.T. -0.103 min

Lab File: VU049986.D

Acq: 28 Jul 2022 15:34

Instrument :

MSVOA\_U

ClientSampleId :

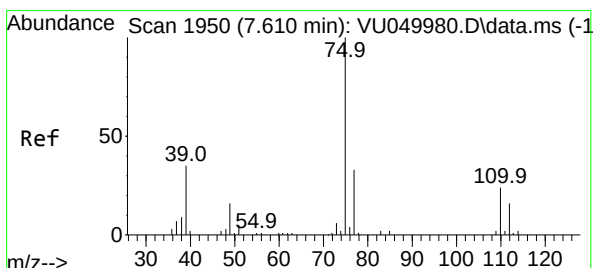
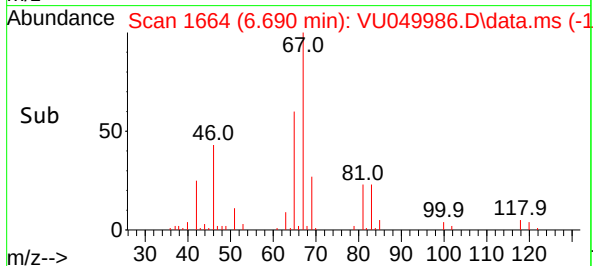
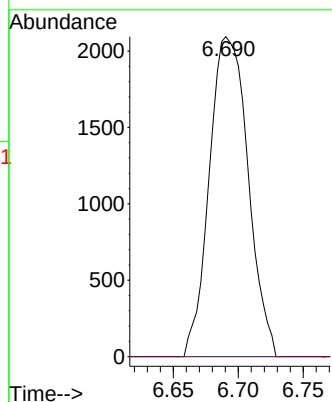
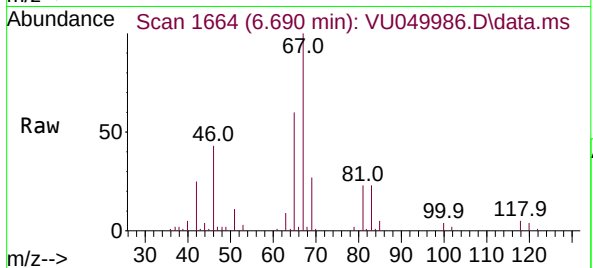
VIBLK106

Tgt Ion: 63 Resp: 4346

Ion Ratio Lower Upper

63 100

112 0.0 3.0 4.6#



#39

cis-1,3-Dichloropropene

Concen: 0.093 ug/L

RT: 7.571 min Scan# 1938

Delta R.T. -0.038 min

Lab File: VU049986.D

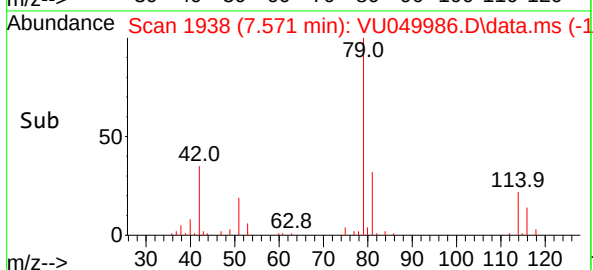
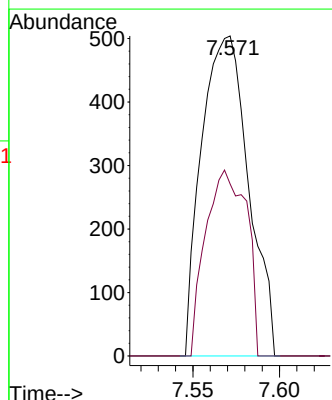
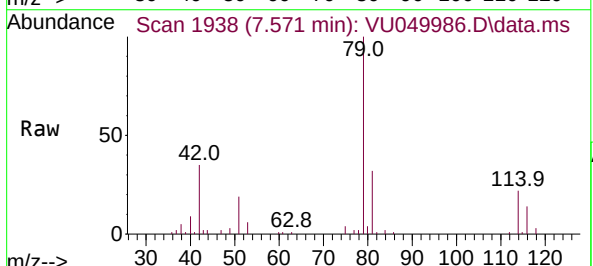
Acq: 28 Jul 2022 15:34

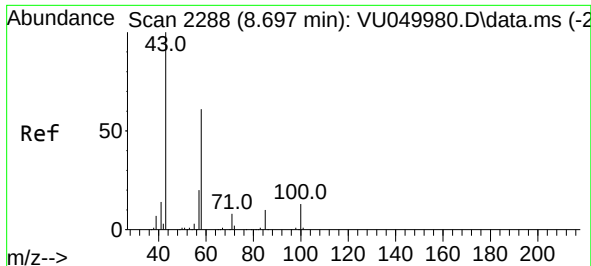
Tgt Ion: 75 Resp: 952

Ion Ratio Lower Upper

75 100

77 53.8 22.5 41.9#

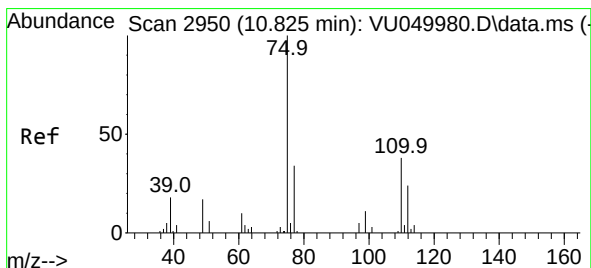
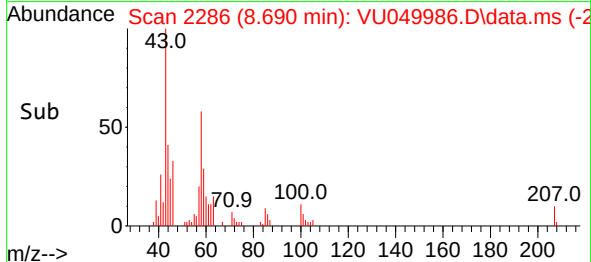
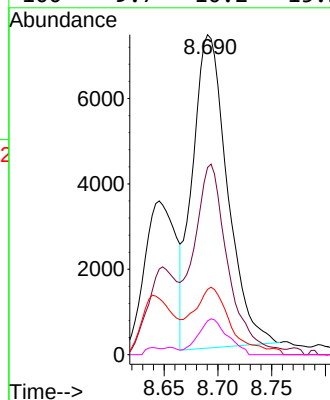
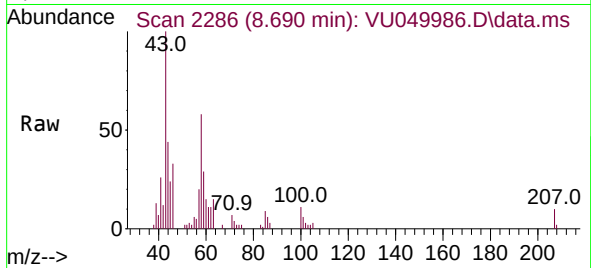




#48  
2-Hexanone  
Concen: 4.742 ug/L  
RT: 8.690 min Scan# 21  
Delta R.T. -0.006 min  
Lab File: VU049986.D  
Acq: 28 Jul 2022 15:34

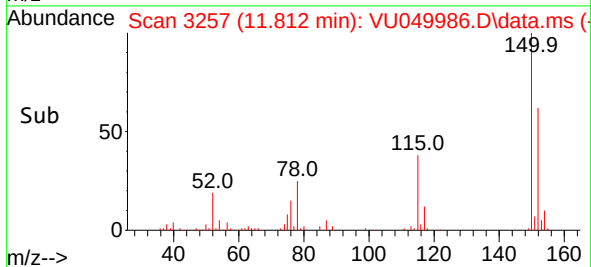
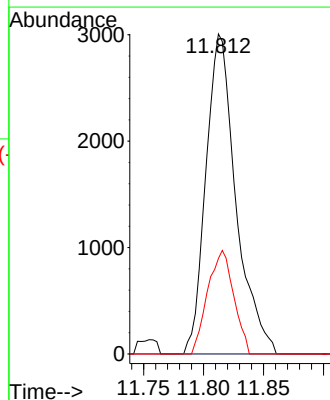
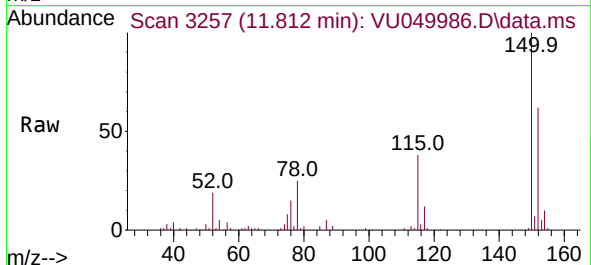
Instrument :  
MSVOA\_U  
ClientSampleId :  
VIBLK106

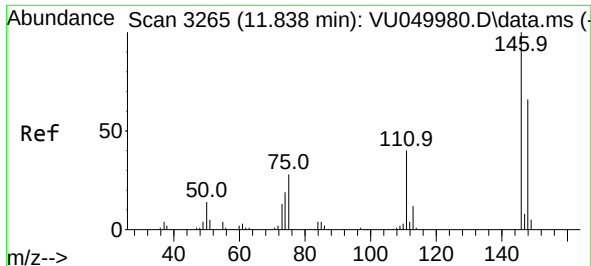
|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 43    | Resp: | 16531 |
| Ion      | Ratio | Lower | Upper |
| 43       | 100   |       |       |
| 58       | 57.1  | 49.4  | 74.0  |
| 57       | 22.9  | 17.0  | 25.4  |
| 100      | 9.7   | 10.2  | 15.2  |



#61  
1,2,3-Trichloropropane  
Concen: 1.161 ug/L  
RT: 11.812 min Scan# 3257  
Delta R.T. 0.987 min  
Lab File: VU049986.D  
Acq: 28 Jul 2022 15:34

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 75    | Resp: | 5244  |
| Ion      | Ratio | Lower | Upper |
| 75       | 100   |       |       |
| 110      | 0.0   | 28.1  | 42.1  |
| 77       | 28.0  | 24.7  | 37.1  |

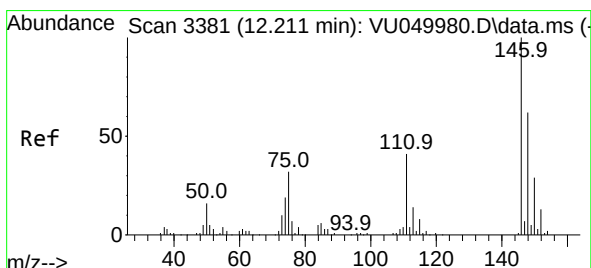
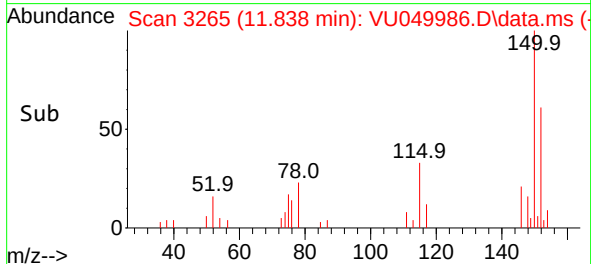
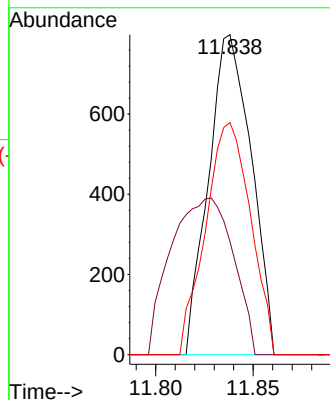
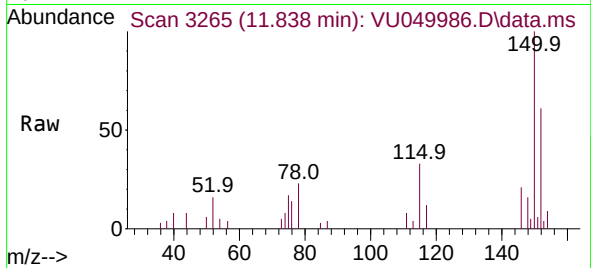




#65  
1,4-Dichlorobenzene  
Concen: 0.112 ug/L  
RT: 11.838 min Scan# 31  
Delta R.T. 0.000 min  
Lab File: VU049986.D  
Acq: 28 Jul 2022 15:34

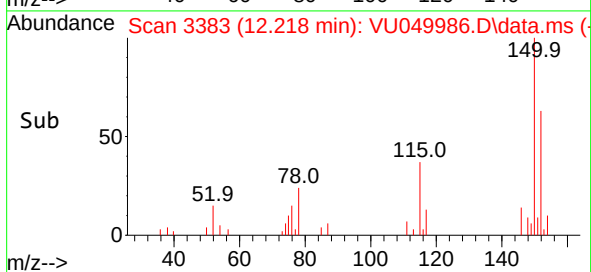
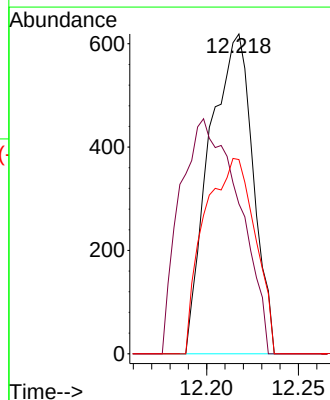
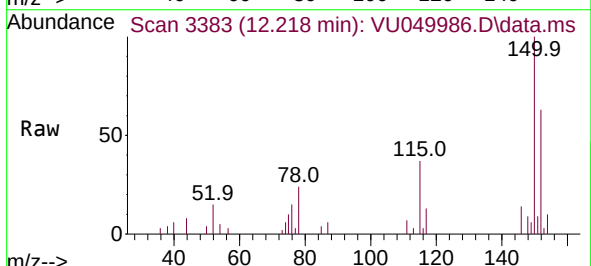
Instrument :  
MSVOA\_U  
ClientSampleId :  
VIBLK106

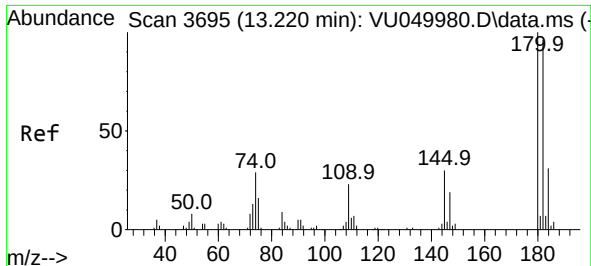
|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 146   | Resp: | 1219  |
| Ion      | Ratio | Lower | Upper |
| 146      | 100   |       |       |
| 111      | 35.3  | 26.4  | 49.0  |
| 148      | 72.6  | 44.3  | 82.3  |



#67  
1,2-Dichlorobenzene  
Concen: 0.094 ug/L  
RT: 12.218 min Scan# 3383  
Delta R.T. 0.007 min  
Lab File: VU049986.D  
Acq: 28 Jul 2022 15:34

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 146   | Resp: | 1024  |
| Ion      | Ratio | Lower | Upper |
| 146      | 100   |       |       |
| 111      | 46.8  | 33.4  | 50.2  |
| 148      | 60.7  | 51.3  | 76.9  |

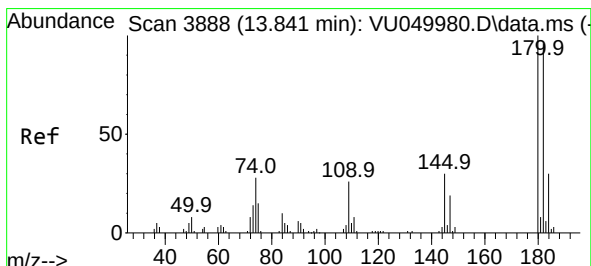
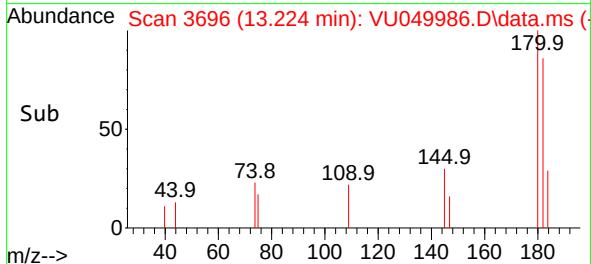
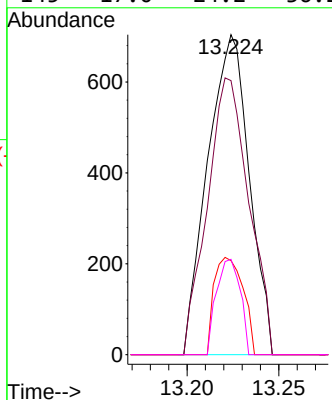
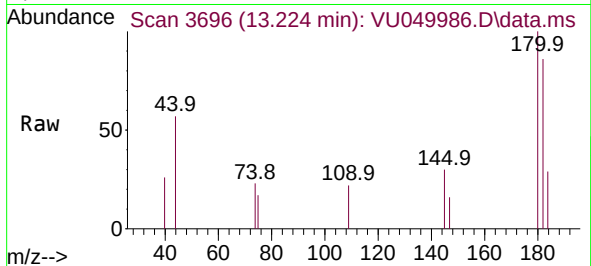




#69  
 1,3,5-Trichlorobenzene  
 Concen: 0.140 ug/L  
 RT: 13.224 min Scan# 3696  
 Delta R.T. 0.003 min  
 Lab File: VU049986.D  
 Acq: 28 Jul 2022 15:34

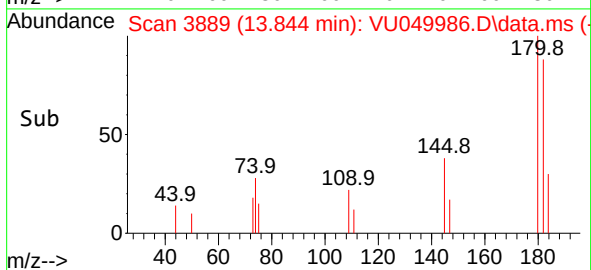
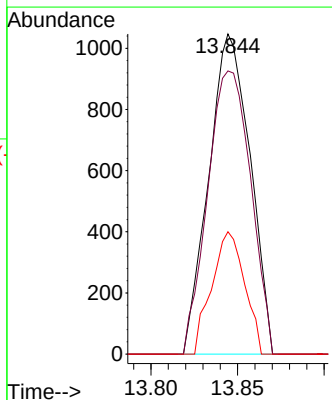
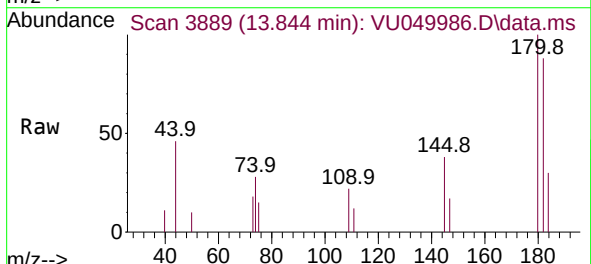
Instrument :  
 MSVOA\_U  
 ClientSampleId :  
 VIBLK106

|             |       |             |
|-------------|-------|-------------|
| Tgt Ion:180 | Resp: | 1108        |
| Ion         | Ratio | Lower Upper |
| 180         | 100   |             |
| 182         | 86.4  | 77.2 115.8  |
| 184         | 21.1  | 23.9 35.9#  |
| 145         | 17.0  | 24.2 36.2#  |

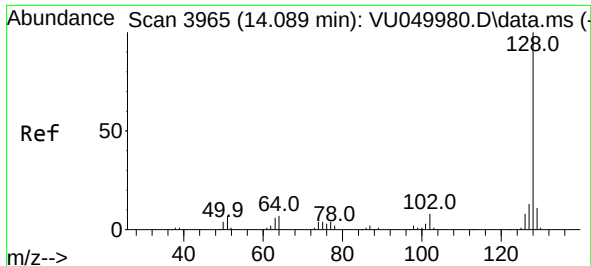


#70  
 1,2,4-trichlorobenzene  
 Concen: 0.275 ug/L  
 RT: 13.844 min Scan# 3889  
 Delta R.T. 0.003 min  
 Lab File: VU049986.D  
 Acq: 28 Jul 2022 15:34

|             |       |             |
|-------------|-------|-------------|
| Tgt Ion:180 | Resp: | 1738        |
| Ion         | Ratio | Lower Upper |
| 180         | 100   |             |
| 182         | 92.2  | 75.8 113.6  |
| 145         | 30.4  | 23.8 35.8   |



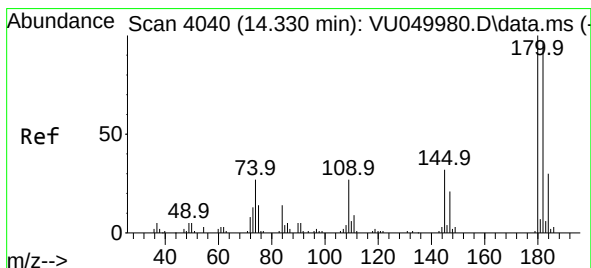
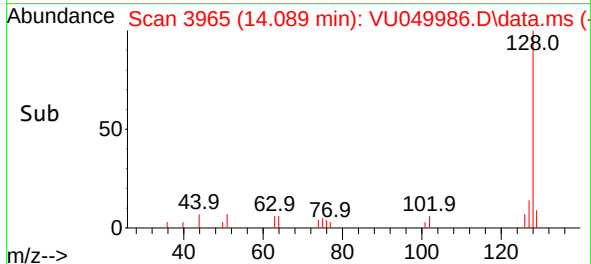
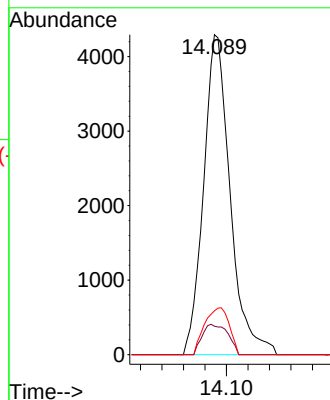
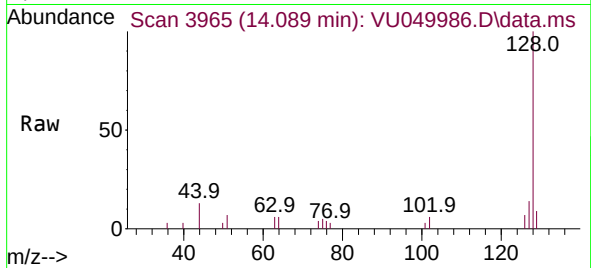




#71  
Naphthalene  
Concen: 0.586 ug/L  
RT: 14.089 min Scan# 3965  
Delta R.T. 0.000 min  
Lab File: VU049986.D  
Acq: 28 Jul 2022 15:34

Instrument :  
MSVOA\_U  
ClientSampleId :  
VIBLK106

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 128   | Resp: | 7358  |
| Ion      | Ratio | Lower | Upper |
| 128      | 100   |       |       |
| 129      | 9.1   | 8.5   | 12.7  |
| 127      | 13.6  | 10.3  | 15.5  |



#72  
1,2,3-Trichlorobenzene  
Concen: 0.347 ug/L  
RT: 14.330 min Scan# 4040  
Delta R.T. 0.000 min  
Lab File: VU049986.D  
Acq: 28 Jul 2022 15:34

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 180   | Resp: | 2180  |
| Ion      | Ratio | Lower | Upper |
| 180      | 100   |       |       |
| 182      | 96.2  | 77.0  | 115.4 |
| 145      | 33.7  | 26.3  | 39.5  |

