

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_U\Data\VU011922\  
 Data File : VU046798.D  
 Acq On : 19 Jan 2022 15:00  
 Operator : SY/MD  
 Sample : N1194-02  
 Misc : 25.0mL/MSVOA\_U/WATER  
 ALS Vial : 9 Sample Multiplier: 1

Instrument :  
 MSVOA\_U  
 ClientSampleId :  
 BFX2

Quant Time: Jan 20 02:02:35 2022  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_U\Method\SFAMUTR011822WMA.M  
 Quant Title : TRACE VOA SFAM1.0  
 QLast Update : Thu Jan 20 02:00:32 2022  
 Response via : Initial Calibration

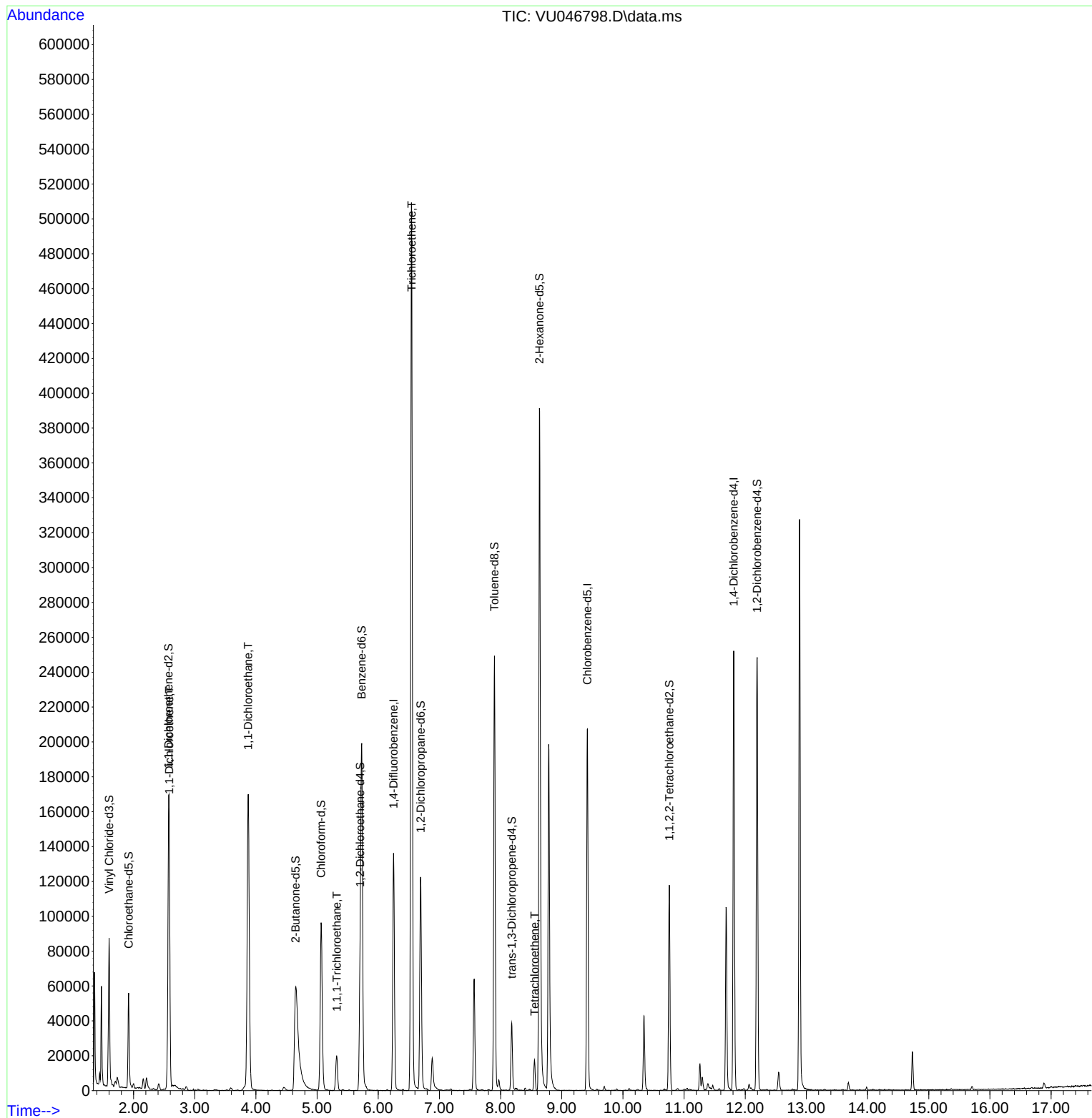
| Compound                      | R.T.   | QIon  | Response | Conc     | Units | Dev(Min) |
|-------------------------------|--------|-------|----------|----------|-------|----------|
| -----                         |        |       |          |          |       |          |
| Internal Standards            |        |       |          |          |       |          |
| 1) 1,4-Difluorobenzene        | 6.250  | 114   | 113831   | 5.000    | ug/L  | 0.00     |
| 28) Chlorobenzene-d5          | 9.420  | 117   | 121281   | 5.000    | ug/L  | 0.00     |
| 58) 1,4-Dichlorobenzene-d4    | 11.812 | 152   | 68240    | 5.000    | ug/L  | 0.00     |
|                               |        |       |          |          |       |          |
| System Monitoring Compounds   |        |       |          |          |       |          |
| 4) Vinyl Chloride-d3          | 1.600  | 65    | 50782    | 5.265    | ug/L  | 0.00     |
| Spiked Amount                 | 5.000  | Range | 40 - 130 | Recovery | =     | 105.200% |
| 7) Chloroethane-d5            | 1.919  | 69    | 42968    | 5.654    | ug/L  | 0.00     |
| Spiked Amount                 | 5.000  | Range | 65 - 130 | Recovery | =     | 113.000% |
| 11) 1,1-Dichloroethene-d2     | 2.571  | 65    | 20935    | 5.456    | ug/L  | 0.00     |
| Spiked Amount                 | 5.000  | Range | 60 - 125 | Recovery | =     | 109.200% |
| 20) 2-Butanone-d5             | 4.649  | 46    | 175800   | 61.522   | ug/L  | 0.00     |
| Spiked Amount                 | 50.000 | Range | 40 - 130 | Recovery | =     | 123.040% |
| 24) Chloroform-d              | 5.067  | 84    | 91769    | 5.420    | ug/L  | 0.00     |
| Spiked Amount                 | 5.000  | Range | 70 - 125 | Recovery | =     | 108.400% |
| 26) 1,2-Dichloroethane-d4     | 5.703  | 65    | 52933    | 5.740    | ug/L  | 0.00     |
| Spiked Amount                 | 5.000  | Range | 70 - 130 | Recovery | =     | 114.800% |
| 32) Benzene-d6                | 5.729  | 84    | 194307   | 5.451    | ug/L  | 0.00     |
| Spiked Amount                 | 5.000  | Range | 70 - 125 | Recovery | =     | 109.000% |
| 36) 1,2-Dichloropropane-d6    | 6.694  | 67    | 60004    | 5.607    | ug/L  | 0.00     |
| Spiked Amount                 | 5.000  | Range | 60 - 140 | Recovery | =     | 112.200% |
| 41) Toluene-d8                | 7.899  | 98    | 165539   | 5.074    | ug/L  | 0.00     |
| Spiked Amount                 | 5.000  | Range | 70 - 130 | Recovery | =     | 101.400% |
| 43) trans-1,3-Dichloroprop... | 8.182  | 79    | 23673    | 5.037    | ug/L  | 0.00     |
| Spiked Amount                 | 5.000  | Range | 55 - 130 | Recovery | =     | 100.800% |
| 46) 2-Hexanone-d5             | 8.636  | 63    | 158735   | 57.038   | ug/L  | 0.00     |
| Spiked Amount                 | 50.000 | Range | 45 - 130 | Recovery | =     | 114.080% |
| 56) 1,1,2,2-Tetrachloroeth... | 10.758 | 84    | 58666    | 5.460    | ug/L  | 0.00     |
| Spiked Amount                 | 5.000  | Range | 65 - 120 | Recovery | =     | 109.200% |
| 66) 1,2-Dichlorobenzene-d4    | 12.195 | 152   | 67570    | 5.280    | ug/L  | 0.00     |
| Spiked Amount                 | 5.000  | Range | 80 - 120 | Recovery | =     | 105.600% |
|                               |        |       |          |          |       |          |
| Target Compounds              |        |       |          |          |       | Qvalue   |
| 12) 1,1-Dichloroethene        | 2.584  | 96    | 32491    | 5.112    | ug/L  | 91       |
| 19) 1,1-Dichloroethane        | 3.874  | 63    | 195255   | 16.895   | ug/L  | 100      |
| 29) 1,1,1-Trichloroethane     | 5.321  | 97    | 15133    | 1.385    | ug/L  | 97       |
| 34) Trichloroethene           | 6.546  | 95    | 178265   | 24.045   | ug/L  | 96       |
| 47) Tetrachloroethene         | 8.555  | 164   | 4066     | 0.674    | ug/L  | 94       |
| -----                         |        |       |          |          |       |          |

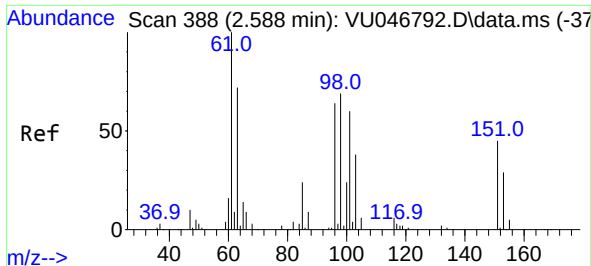
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : TRACE VOA SFAM1.0  
QLast Update : Thu Jan 20 02:00:32 2022  
Response via : Initial Calibration

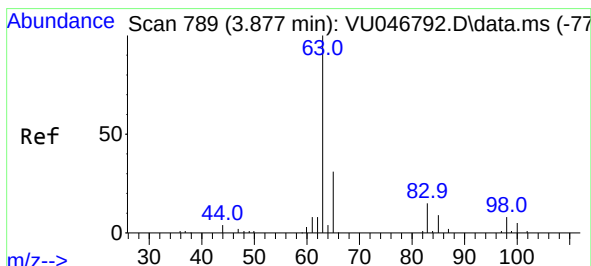
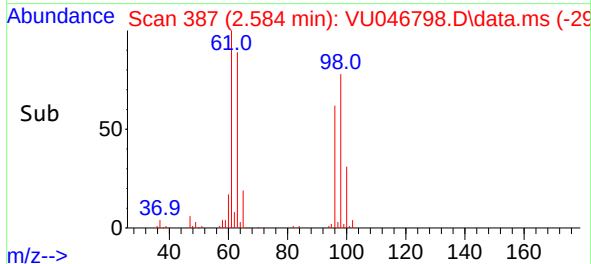
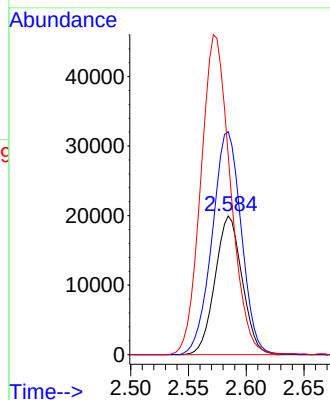
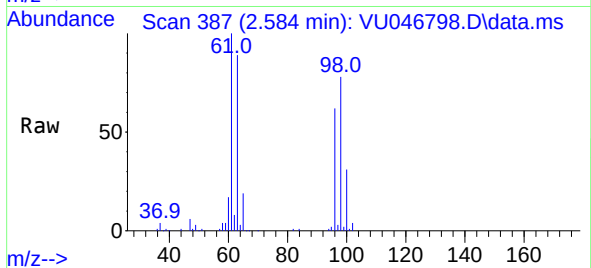




#12  
1,1-Dichloroethene  
Concen: 5.112 ug/L  
RT: 2.584 min Scan# 31  
Delta R.T. -0.003 min  
Lab File: VU046798.D  
Acq: 19 Jan 2022 15:00

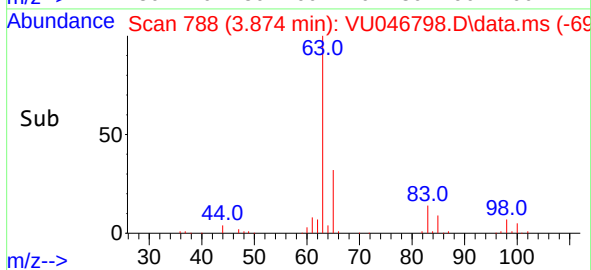
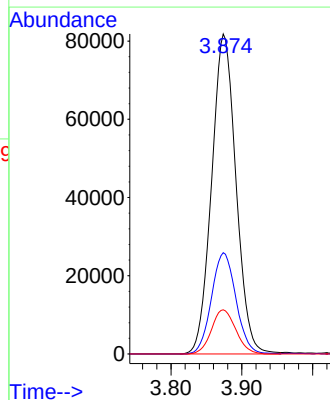
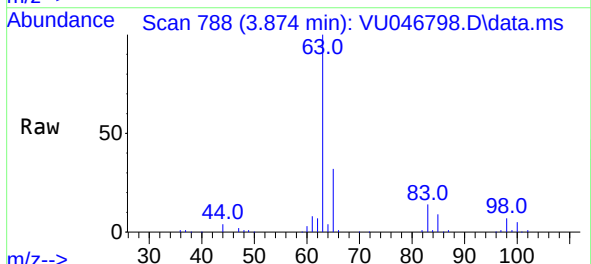
Instrument :  
MSVOA\_U  
ClientSampleId :  
BFX2

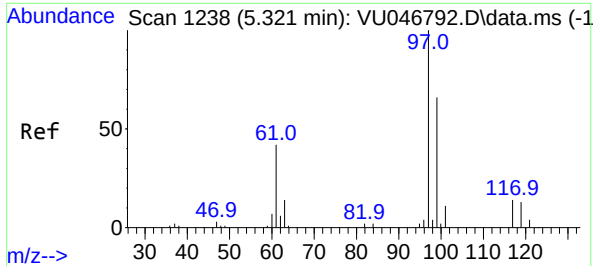
Tgt Ion: 96 Resp: 32491  
Ion Ratio Lower Upper  
96 100  
61 160.8 124.7 231.5  
63 143.9 105.2 195.4



#19  
1,1-Dichloroethane  
Concen: 16.895 ug/L  
RT: 3.874 min Scan# 788  
Delta R.T. -0.003 min  
Lab File: VU046798.D  
Acq: 19 Jan 2022 15:00

Tgt Ion: 63 Resp: 195255  
Ion Ratio Lower Upper  
63 100  
65 31.6 22.3 41.5  
83 13.8 9.6 17.8



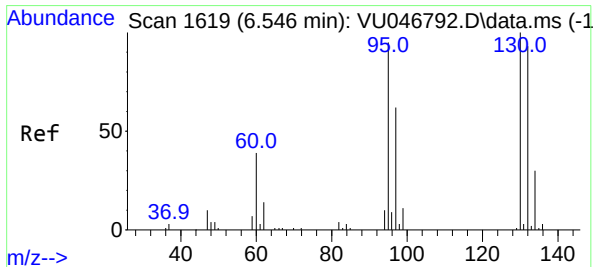
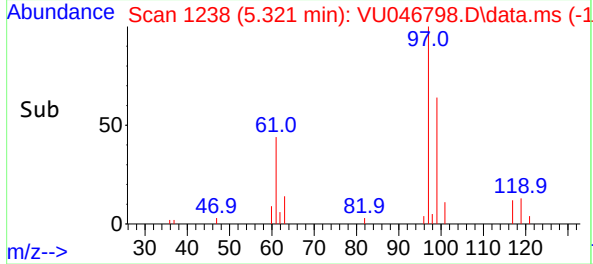
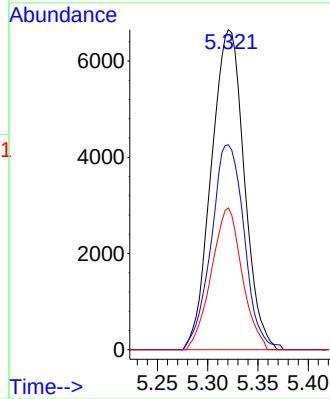
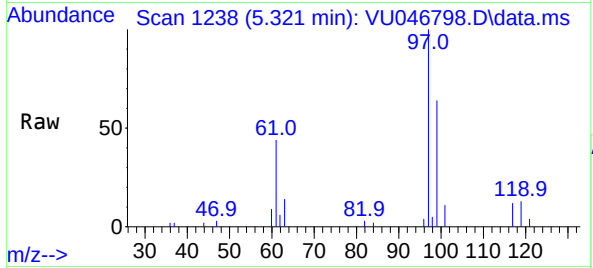


#29  
1,1,1-Trichloroethane  
Concen: 1.385 ug/L  
RT: 5.321 min Scan# 11  
Delta R.T. -0.000 min  
Lab File: VU046798.D  
Acq: 19 Jan 2022 15:00

Instrument :  
MSVOA\_U  
ClientSampleId :  
BFX2

Tgt Ion: 97 Resp: 15133

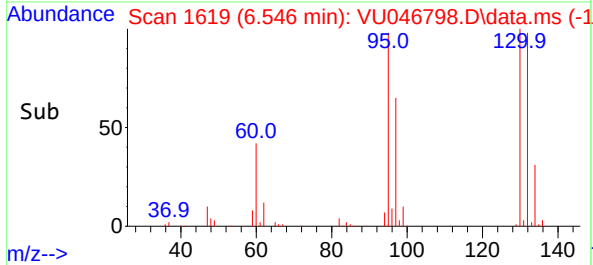
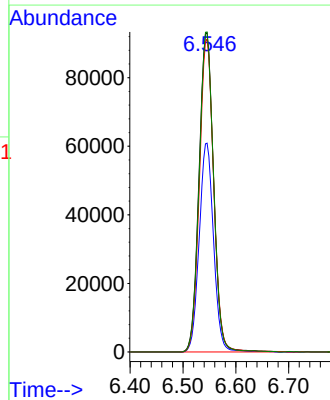
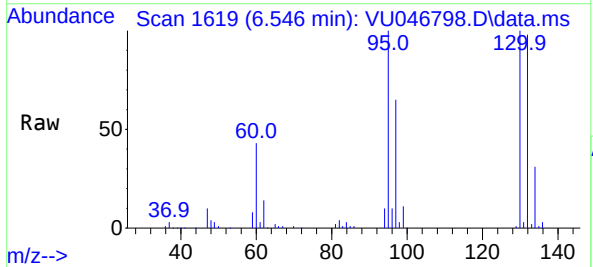
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 97  | 100   |       |       |
| 99  | 64.4  | 51.3  | 76.9  |
| 61  | 41.4  | 36.1  | 54.1  |

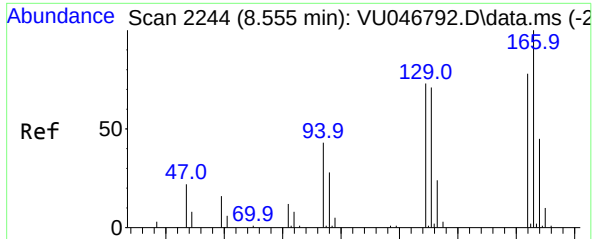


#34  
Trichloroethene  
Concen: 24.045 ug/L  
RT: 6.546 min Scan# 1619  
Delta R.T. -0.000 min  
Lab File: VU046798.D  
Acq: 19 Jan 2022 15:00

Tgt Ion: 95 Resp: 178265

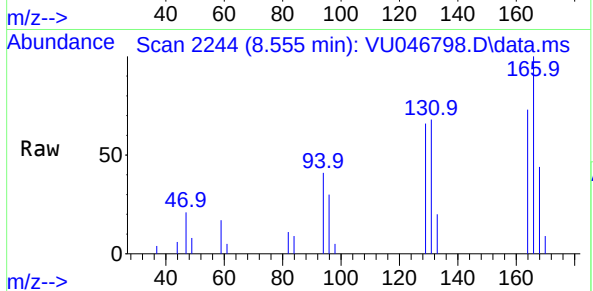
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 95  | 100   |       |       |
| 97  | 65.5  | 46.5  | 86.5  |
| 132 | 98.1  | 65.1  | 120.9 |
| 130 | 100.3 | 67.3  | 124.9 |





#47  
Tetrachloroethene  
Concen: 0.674 ug/L  
RT: 8.555 min Scan# 21  
Delta R.T. -0.000 min  
Lab File: VU046798.D  
Acq: 19 Jan 2022 15:00

Instrument :  
MSVOA\_U  
ClientSampleId :  
BFX2



Tgt Ion:164 Resp: 4066

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 164 | 100   |       |       |
| 129 | 90.7  | 71.8  | 133.4 |
| 131 | 92.4  | 68.5  | 127.3 |
| 166 | 136.7 | 94.1  | 174.8 |

