# Raman

Software for Raman spectra analysis.

## Open Single Spectrum Files

Opens one or multiple spectrum files.   
Expected format of file: Each line has two values separated by space. First value is x coordinate, second value is y coordinate.

## Open Multi Spectrum Files

Opens one or multiple spectrum files.  
Expected format of file:  
First line contains x coordinates (separated by space).  
Second line contains y coordinates (separated by space) of first spectrum.  
Third line contains y coordinates (separated by space) of second spectrum.

## Zoom

User can Zoom In and Zoom Out just scrolling mouse middle button. Dragging mouse middle button moves the view.

## Zoom Windows

Draw rectangle to see specific part of spectrum.

## Zoom To Original Size

Shows whole spectrum.

## Baseline Correction

Click at multiple positions (at least 4) on spectrum to create baseline. You can remove any point by clicking right mouse button and selecting context menu *Remove Closest Point*.

## Peak Analysis

Select border points on baseline which represents the peak. You can remove any point by clicking right mouse button and selecting context menu *Remove Closest Point*.

## Cut Off

Enables to cut off left and right part of spectrum.

**Format of file with exported peaks**

Spectrum\_Name,Peak\_Number,Peak\_Start,Peak\_End,Peak\_Height,Peak\_Position,Area

## Configuration file values

"XDecimalPlaces": "1" Number of decimal places of X values. Used by spectrum export or when values shown in application status bar. Default value is 0.

"YDecimalPlaces": "1" Number of decimal places of Y values. Used by spectrum export or when values shown in application status bar. Default value is 0.