

Click "Browse" to load .uimf files.
All files that correspond to one full CIU fingerprint should be loaded together for extraction.

Once all files are loaded and settings chosen, click "extract data" to extract. It will prompt you to choose a location to save, then extract and write the output to a text file ("_raw.csv") that can be imported by CIUSuite 2.

Sorts the columns in the output file in increasing order of collision voltage (in case the input files are out of order). (optional)

Negative voltage values are rejected by CIUSuite 2. This option will shift all the voltages so that the lowest one starts at 0 if there are any negative values. (optional)

The screenshot shows the 'UIMF CIU Extractor' application window. At the top, there is a 'Files Loaded:' text label followed by an empty text input field and a 'Browse' button. Below this, on the left, are four input fields with labels: 'Mobility Min:' (value 0), 'Mobility Max:' (value 0), 'MZ Min:' (value 0.000), and 'MZ Max:' (value 0.000). Each of these fields has a 'Scans' label to its right. In the center-right area, there is a large 'Extract Data' button. At the bottom right, there are two checkboxes: 'Sort by Collision Voltage' (which is checked) and 'Prevent Negative Voltages' (which is unchecked). Red arrows point from external text boxes to the 'Browse' button, the 'Extract Data' button, the 'Sort by Collision Voltage' checkbox, the 'Prevent Negative Voltages' checkbox, and the 'Mobility Min' and 'MZ Min' input fields.

Set the mobility range (I usually include the entire scan range, but you can adjust as desired)

Set the m/z range – this should be for a single peak of interest (e.g. a single charge state)