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| **Ratio image tools** | **MSI specific software** | **Workable Image Data Format** | **Targeted input Ratio image** | **Untargeted ratio image** | **Free and open source** |
| R workflow | Yes | Excel, imzml | yes | yes | yes |
| ENVI IDL | No | Optical and SAR Data | yes | no | no |
| MATLAB RatioImage App | No | Variety files including Image, Text, Spreadsheet, MATLAB data file | yes | no | no |
| Spectral Python package | No | ENVI, AVIRIS, ERDAS/Lan, imzml | yes | no | yes |
| QGIS hyperspectral image analysis | No | Image, Text, StreetMap, PostGIS etc | yes | no | yes |