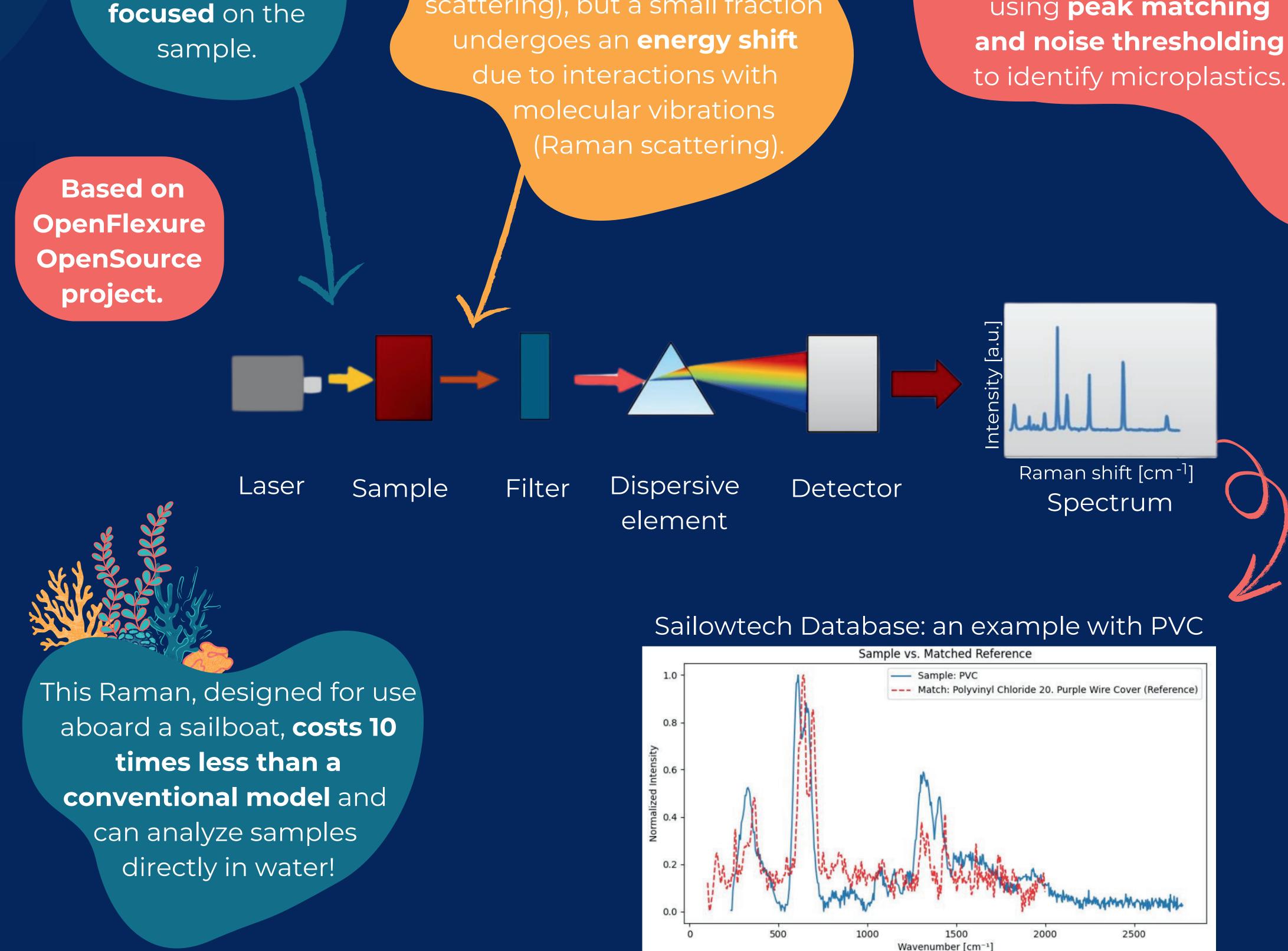
## LOW-TECH AT SAILOWTECH RAMAN MICROSCOPE

A raman microscope can be used to study microplastics in water samples through observation of the shape and size of the plastic particles and by measuring the raman **spectrum** which is unique to each chemical compound and therefore allows its identification.

A 639nm monochromatic laser beam is

Most scattered photons retain the same energy (Rayleigh scattering), but a small fraction **OpenRamanDatabase** 

A software for **analyzing** data from a low-cost Raman spectroscope, using **peak matching** 



EPFL 

**MADE IN PARTNERSHIP WITH LNET & CEL** 

## SAI OW ECH