Raman's Spectroscopy.

- a discovered by CV Roman
- rotational and other low frequency moder in the
- reclium the species present scatter a fraction of beam in all directions.
- a Romans spectroscopy, is based on scattering.

 I Most of the ractiation is clastically s'cattered called as rayleigh scattering.
 - Reman stokes and Antistokes portion.
- en Romans spectro sopy we are pentoularly focusing on stokes and Anto stokes postion.
- 1 spectium is measured with loger lines as seferences
- peak positions determined by vibrational energy associated with the bonds in the molecular sam

Instrumentation:

Lazer -> sample. -> specticum/sadiation -> computer.

user of Ramans specto scopy

Riniest chemical composition of onle could be pound.

subtle batch difference in ink could be found.

Advantager.

1 semple preparation not required.

1) it is a non destructive technique.