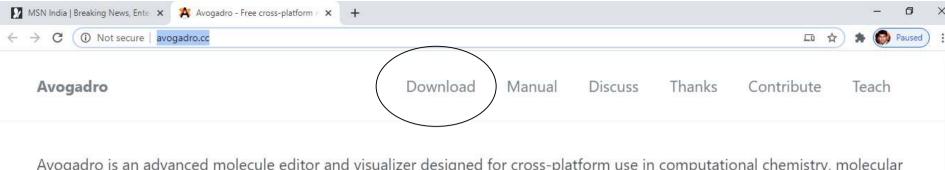
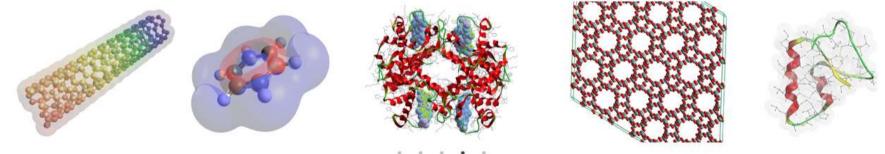
Explore Chemistry with Avogadro

About Avogadro...

- > Free and Open Source software
- > Construct, edit and view molecules in 3D
- > 3D Molecular Editor and Visualization tool
- Designed for use on Mac, Windows, and LinuxOS
- Downloaded from http://avogadro.cc



Avogadro is an advanced molecule editor and visualizer designed for cross-platform use in computational chemistry, molecular modeling, bioinformatics, materials science, and related areas. It offers flexible high quality rendering and a powerful plugin architecture.



- Cross-Platform: Molecular builder/editor for Windows, Linux, and Mac OS X.
- Free, Open Source: Easy to install and all source code and documentation is available to modify or extend.
- International: Translations into Chinese, French, German, Italian, Russian, Spanish, and others, with more languages to come.
- Intuitive: Ruilt to work easily for students and advanced researchers both













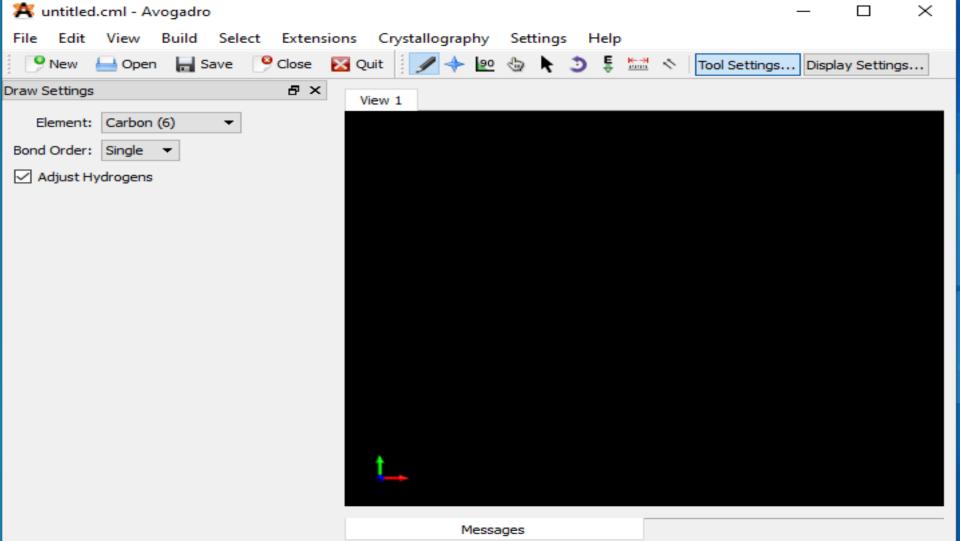






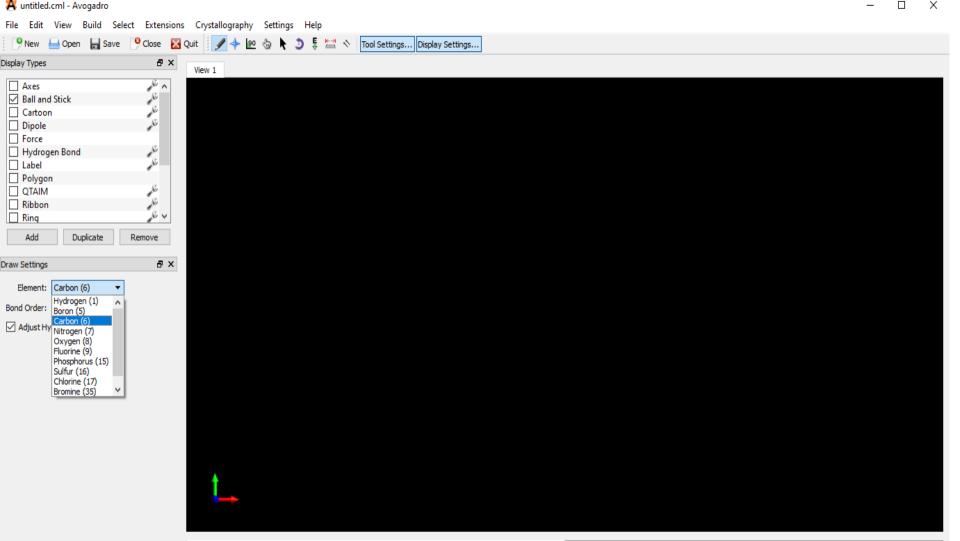


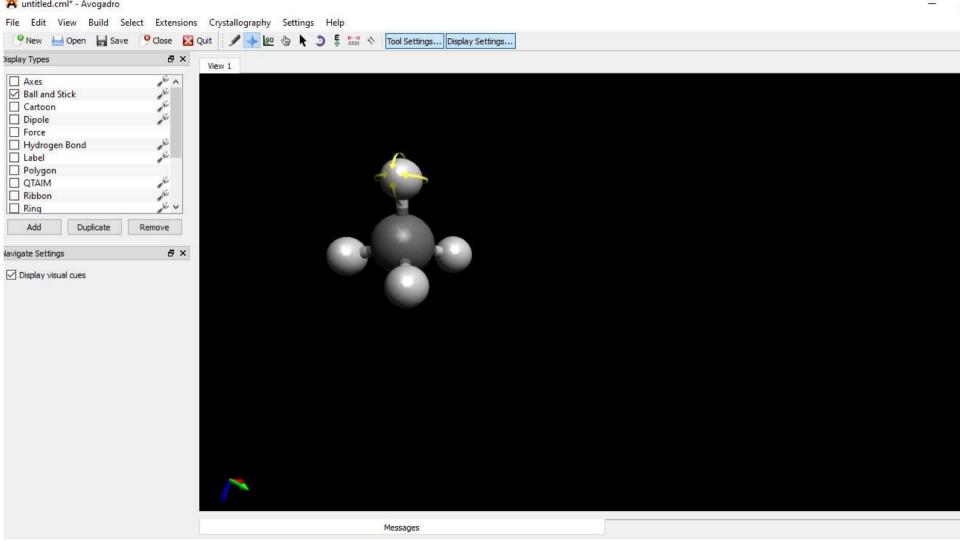


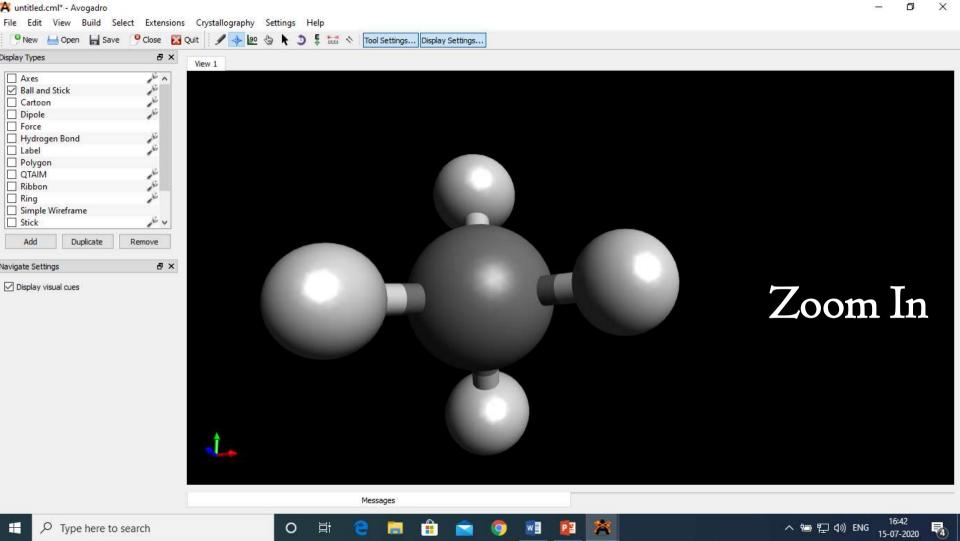


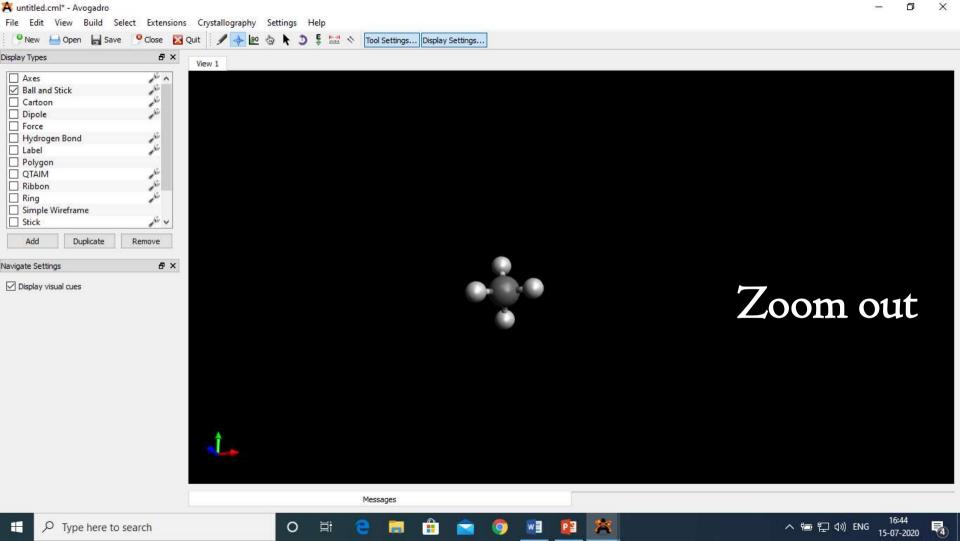
Let us

Build molecule...

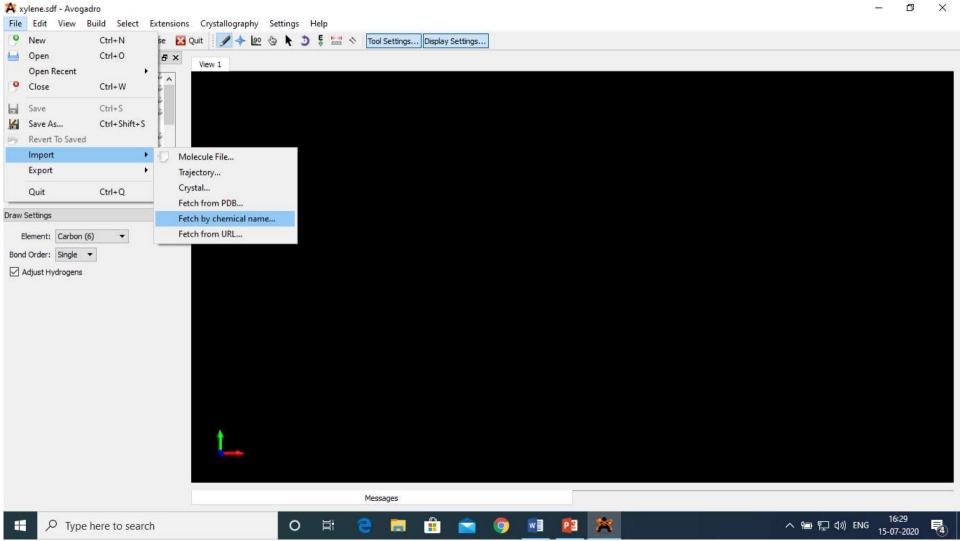


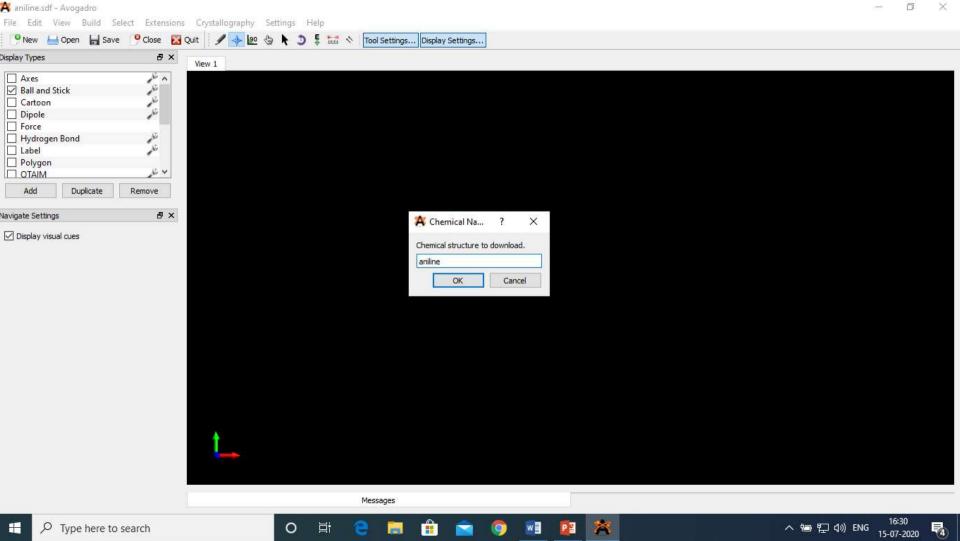


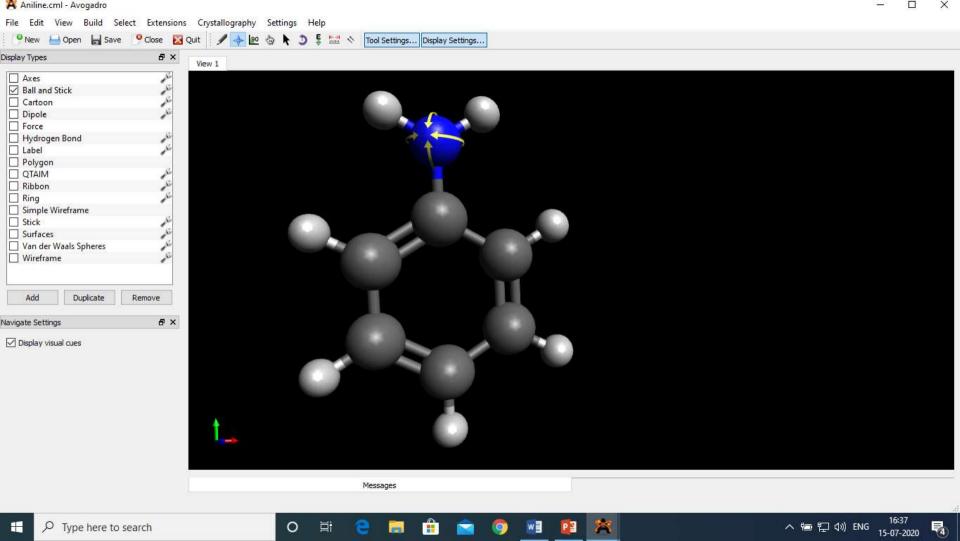




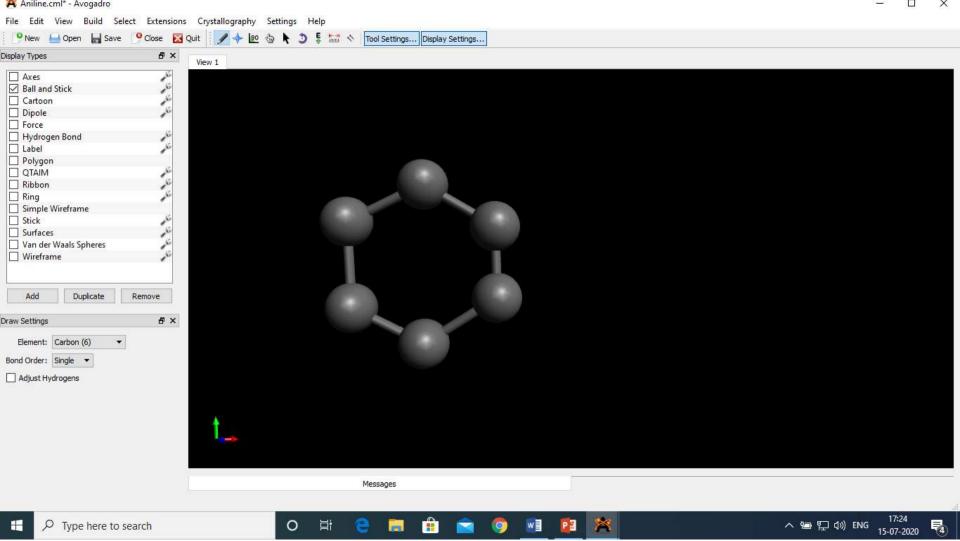
Explore to Import molecule from Avogadro data base

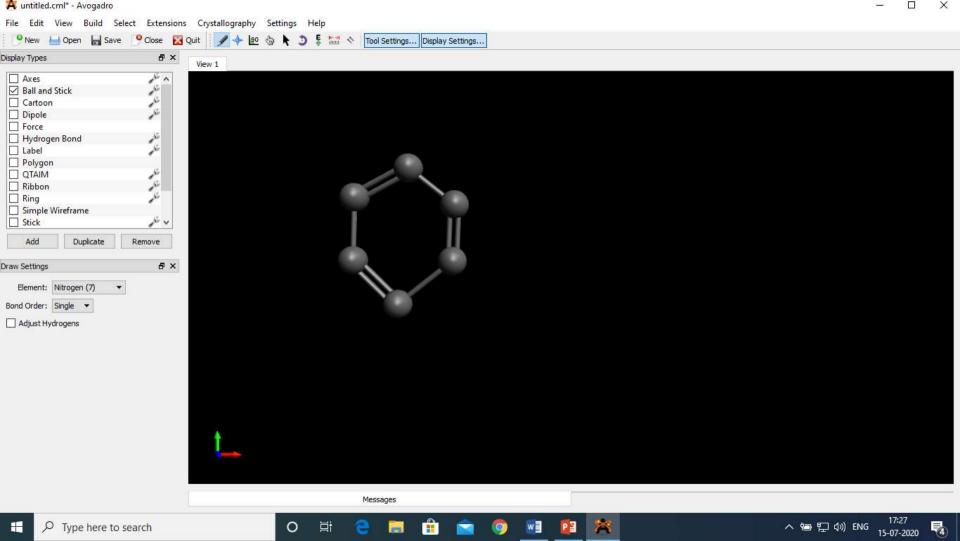


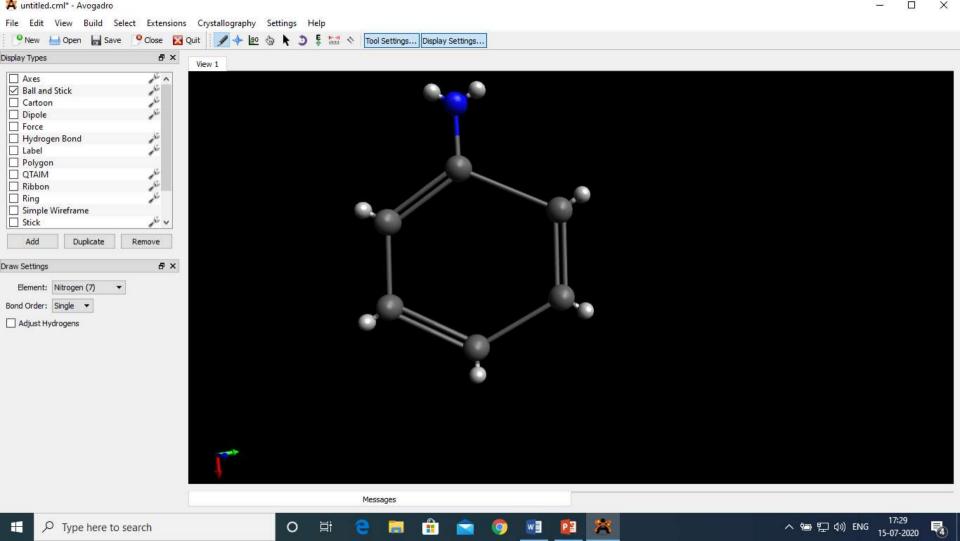


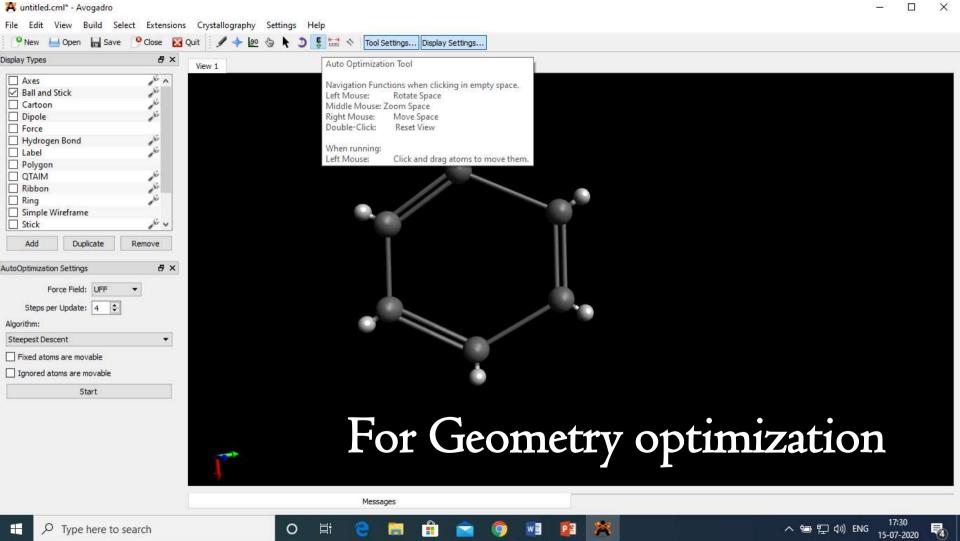


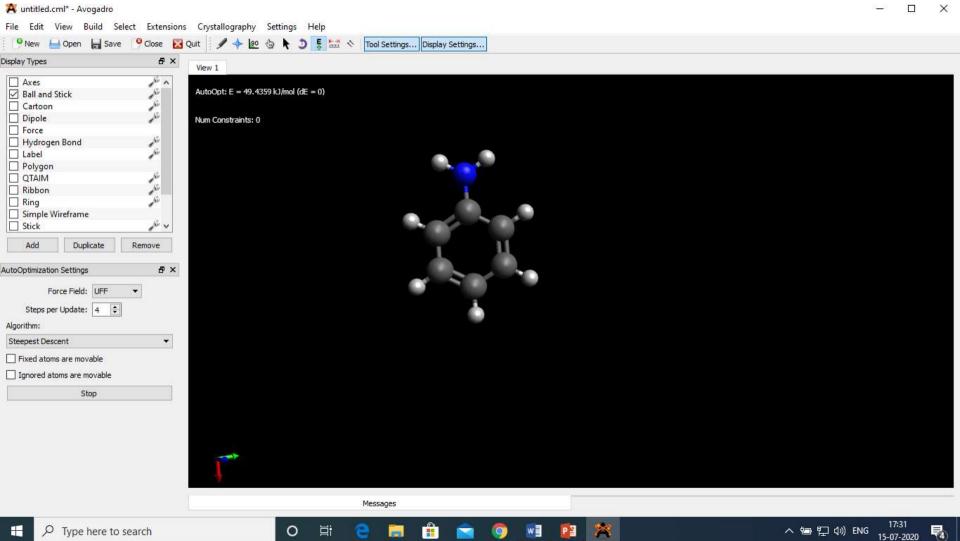
Draw and Edit a molecule



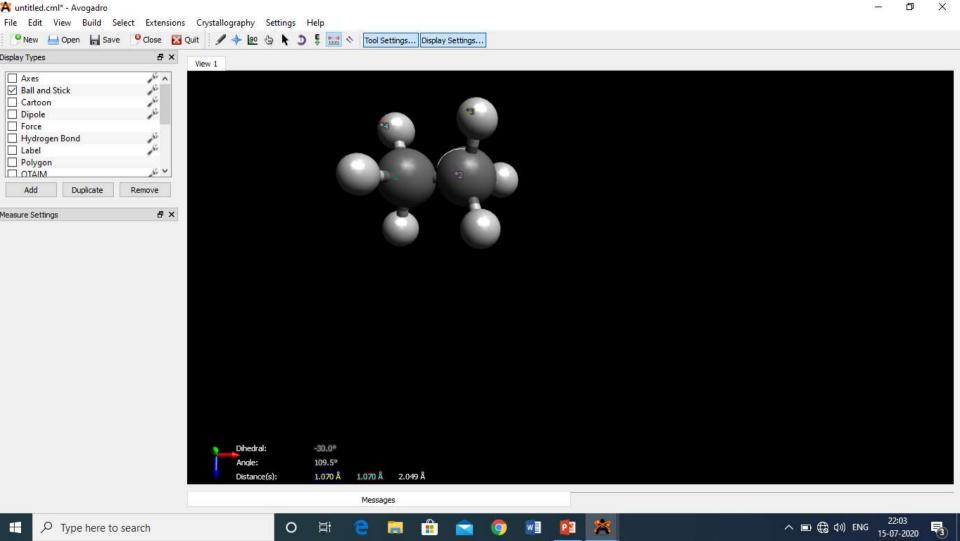




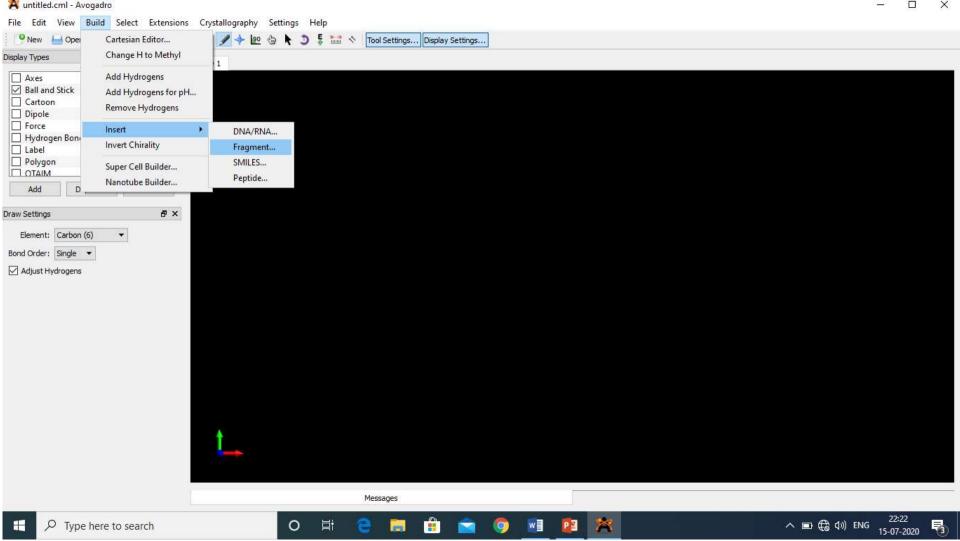


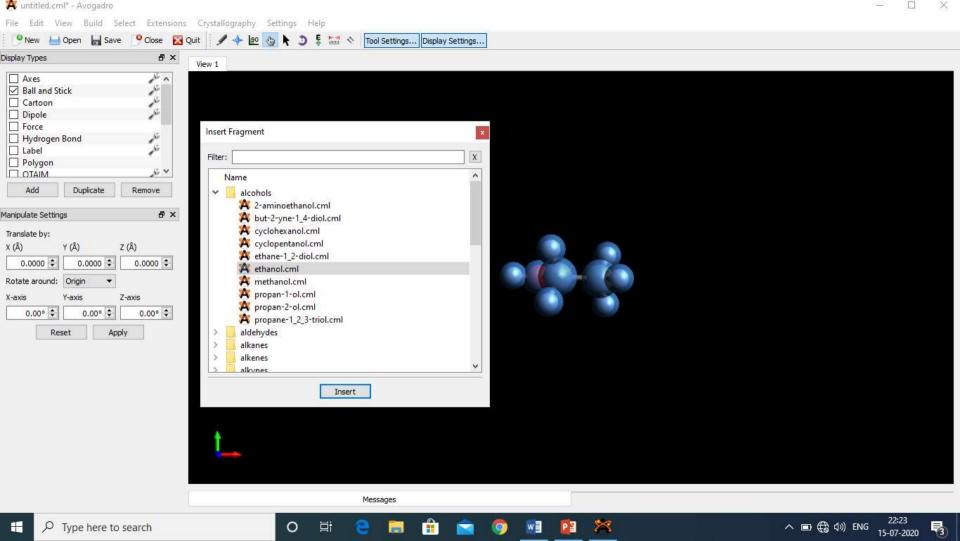


Bond Length, Bond angle and Dihedral angle in a Molecule

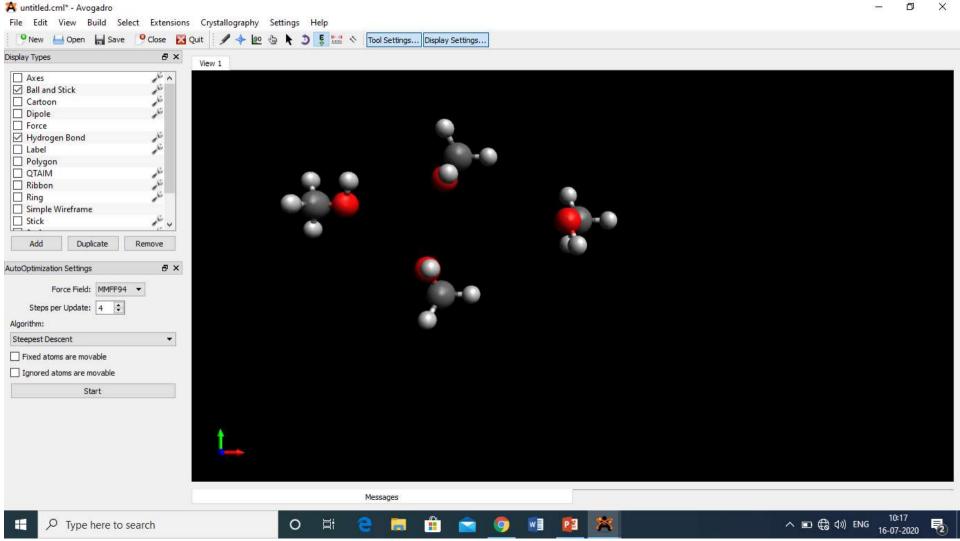


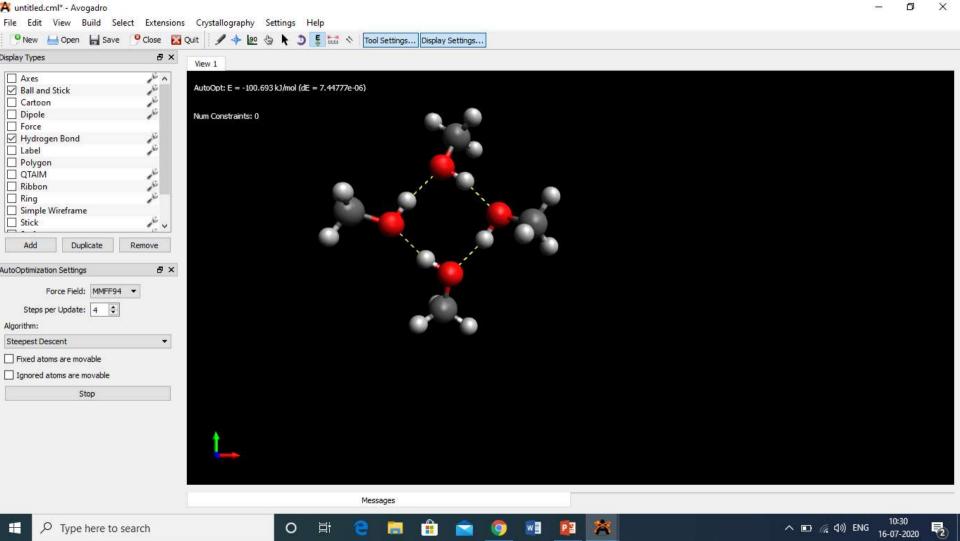
Export molecules from fragment library



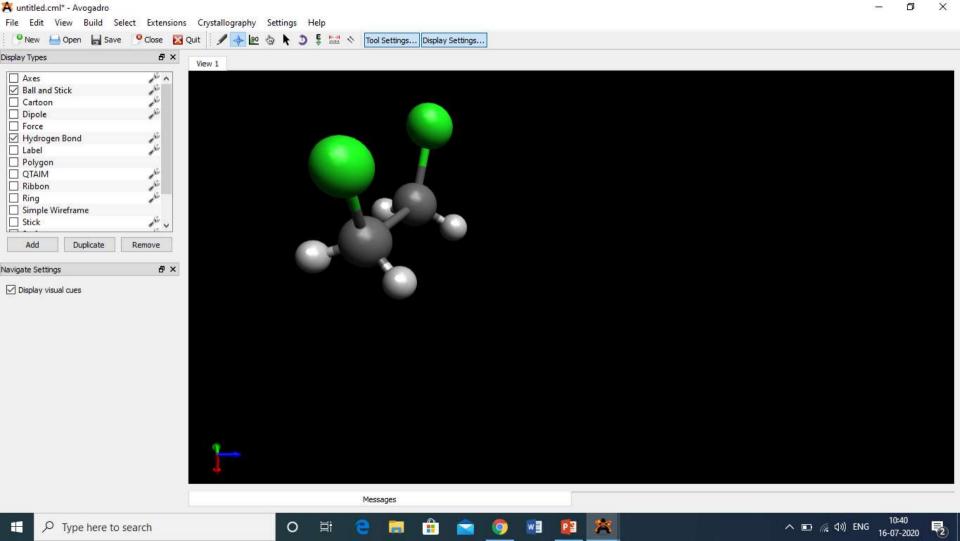


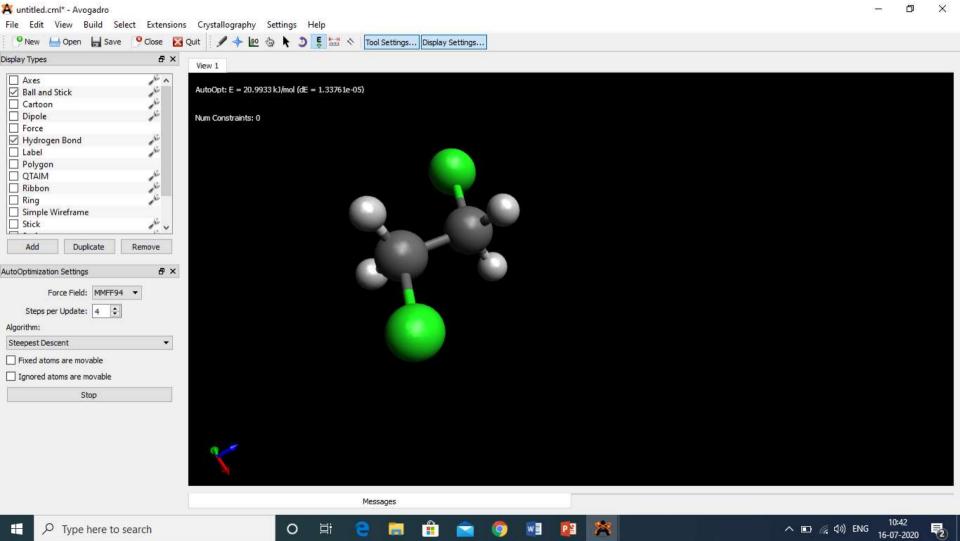
Exploring Hydrogen Bonding..

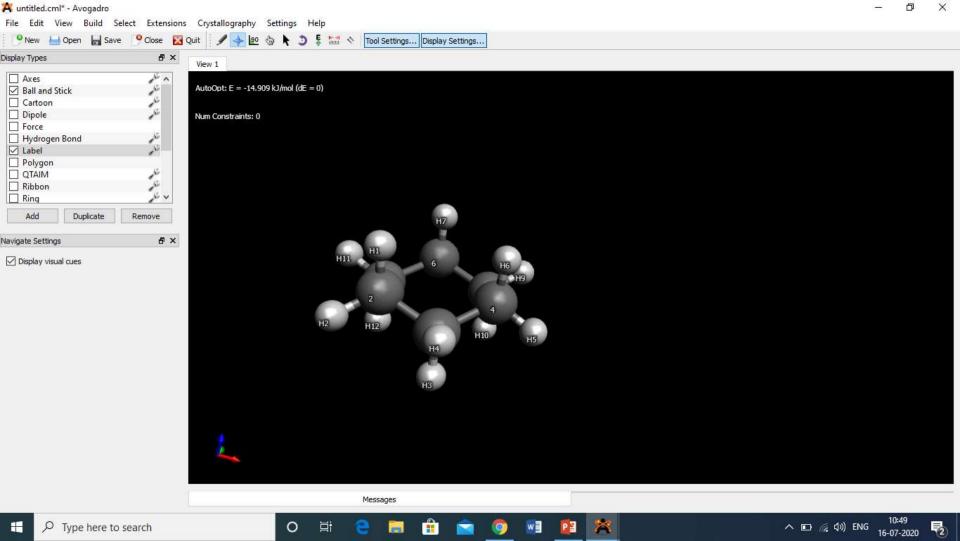




Exploring Stereoisomerism...







Benefits of Avogadro...

- > It offers flexible, high quality rendering.
- Molecule may be Constructed, edited and visualized in 3D
- Energy minimization to obtain stable conformations
- > Huge fragment library to load inbuilt structures
- Files can be exported to desired formats such as png, jpg, bmp file

Thanks for your attention

for any queries...

Dr. Anand Kumar Arya

Associate Professor of Chemistry
Regional Institute of Education, Ajmer
NCERT, New Delhi
anandarya2001@yahoo.com
9461068296