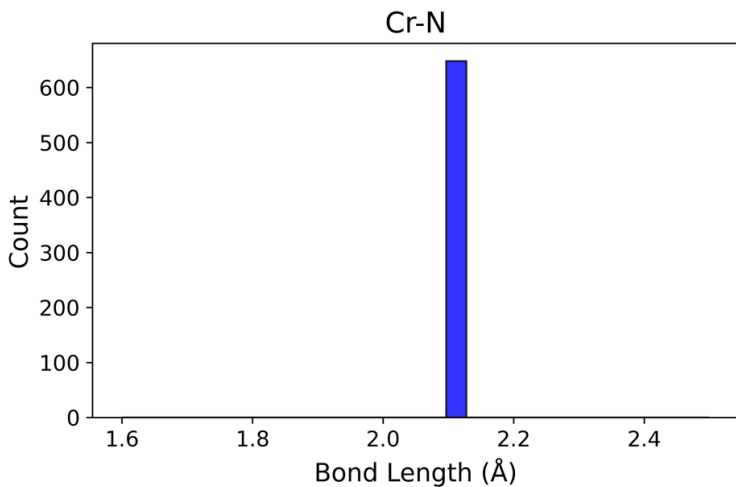
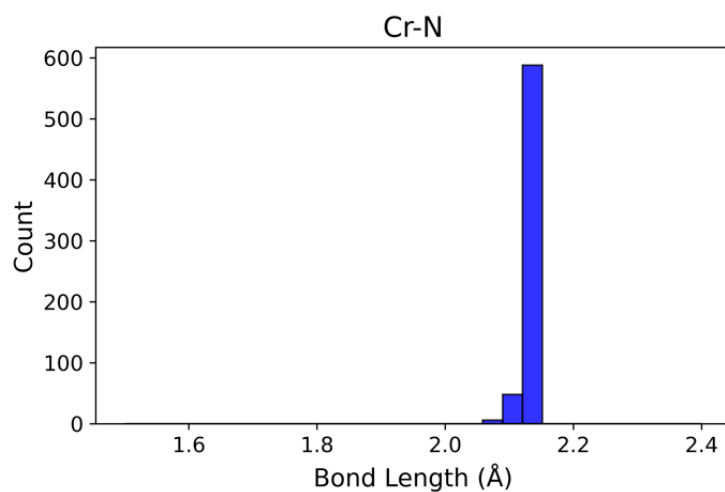


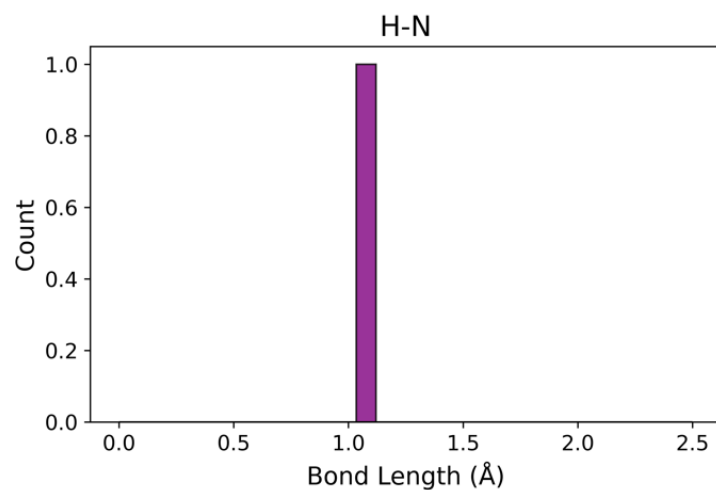
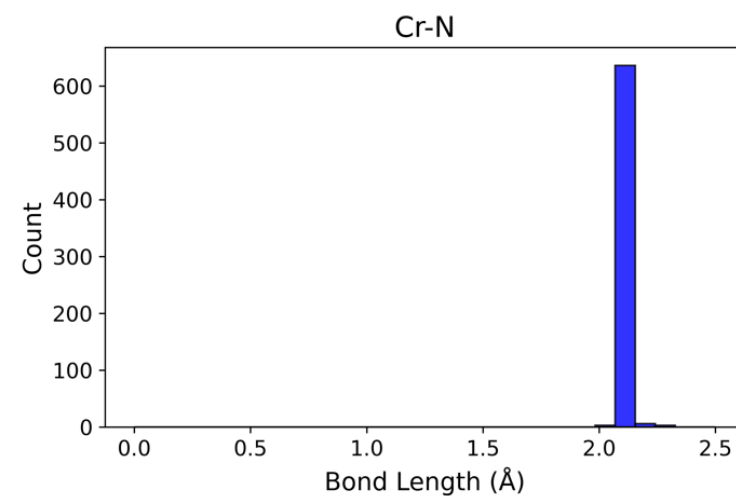
a. Pristine



b.  $V_N^x$



c.  $H_N^x$



d.  $O_N^x$

