

Fig.1. Proposed mechanism of S and N-TiO<sub>2</sub>

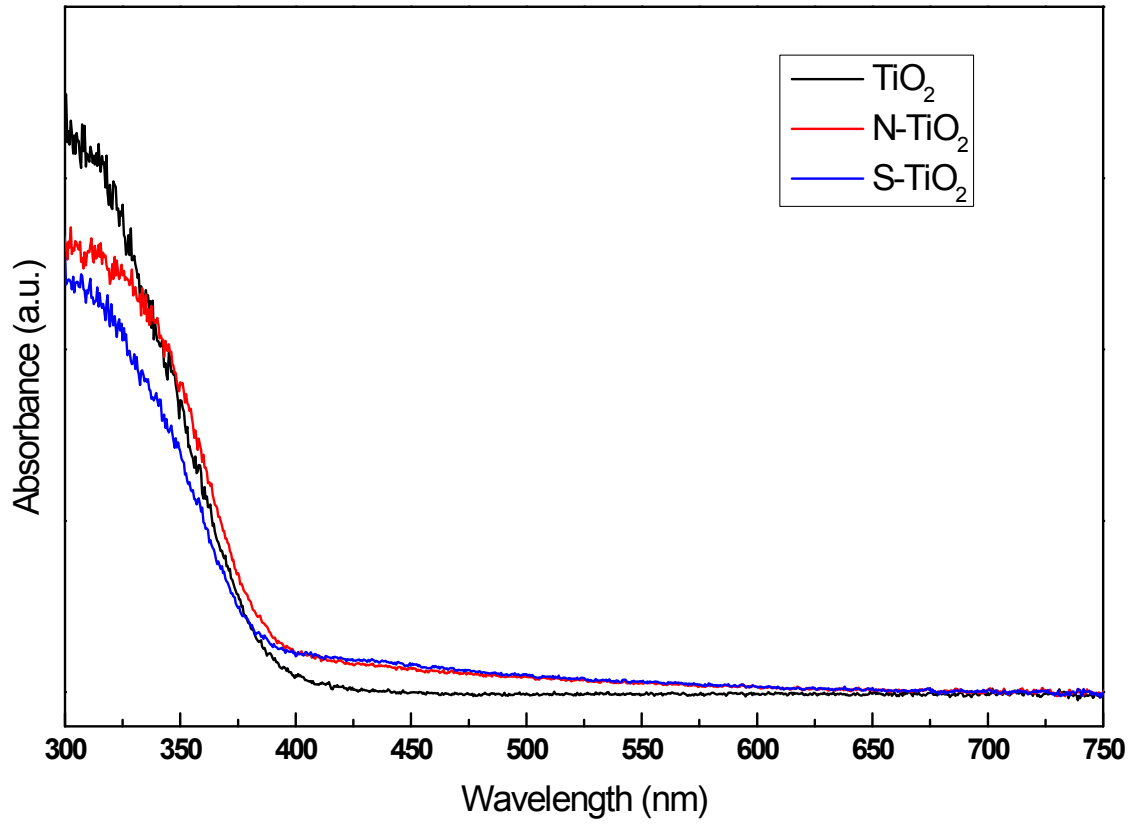


Fig. 2. UV-vis spectra of TiO<sub>2</sub>, N-TiO<sub>2</sub> and S-TiO<sub>2</sub> annealed at 450°C in Ar atmosphere.

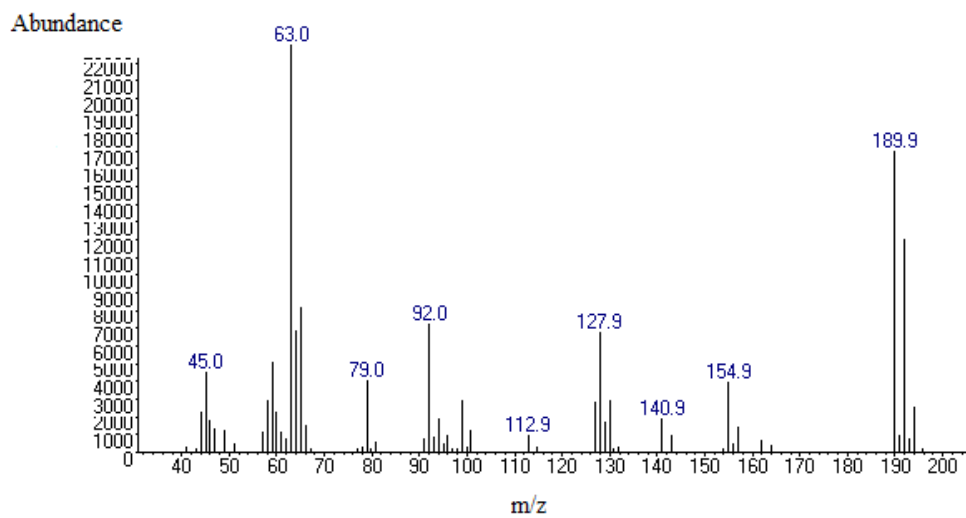


Fig. 3(a)

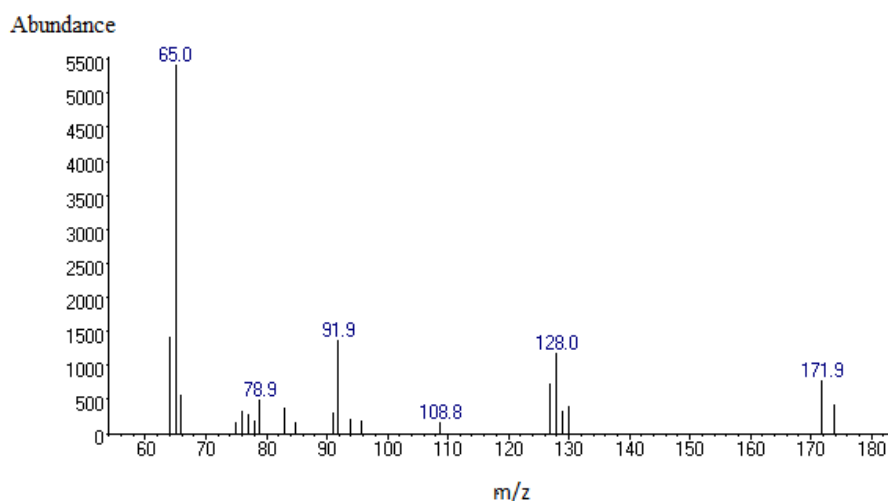


Fig. 3(b)

Fig. 3(a-b) Mass spectras of (a) HD Disulfide b) 2-(2-Chloro-ethyl)disulfanyl-ethanol

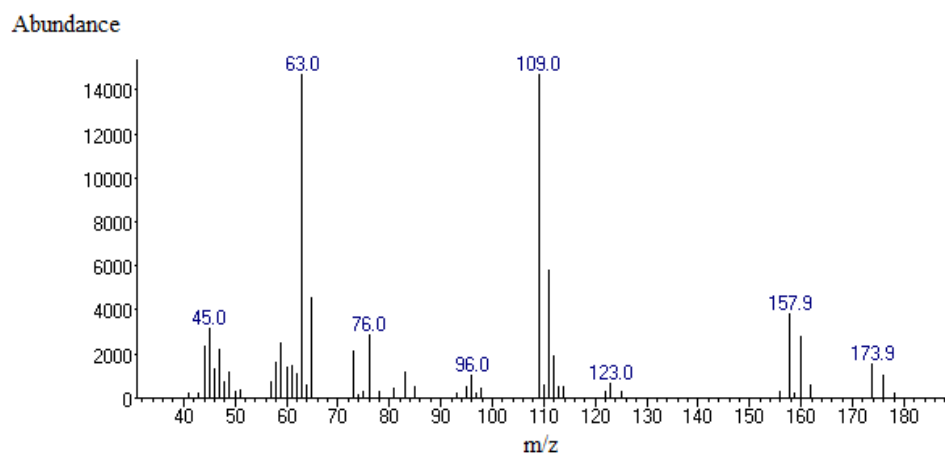


Fig. 3(c)

Fig. 3(c) GC-MS spectra of HD sulfoxide