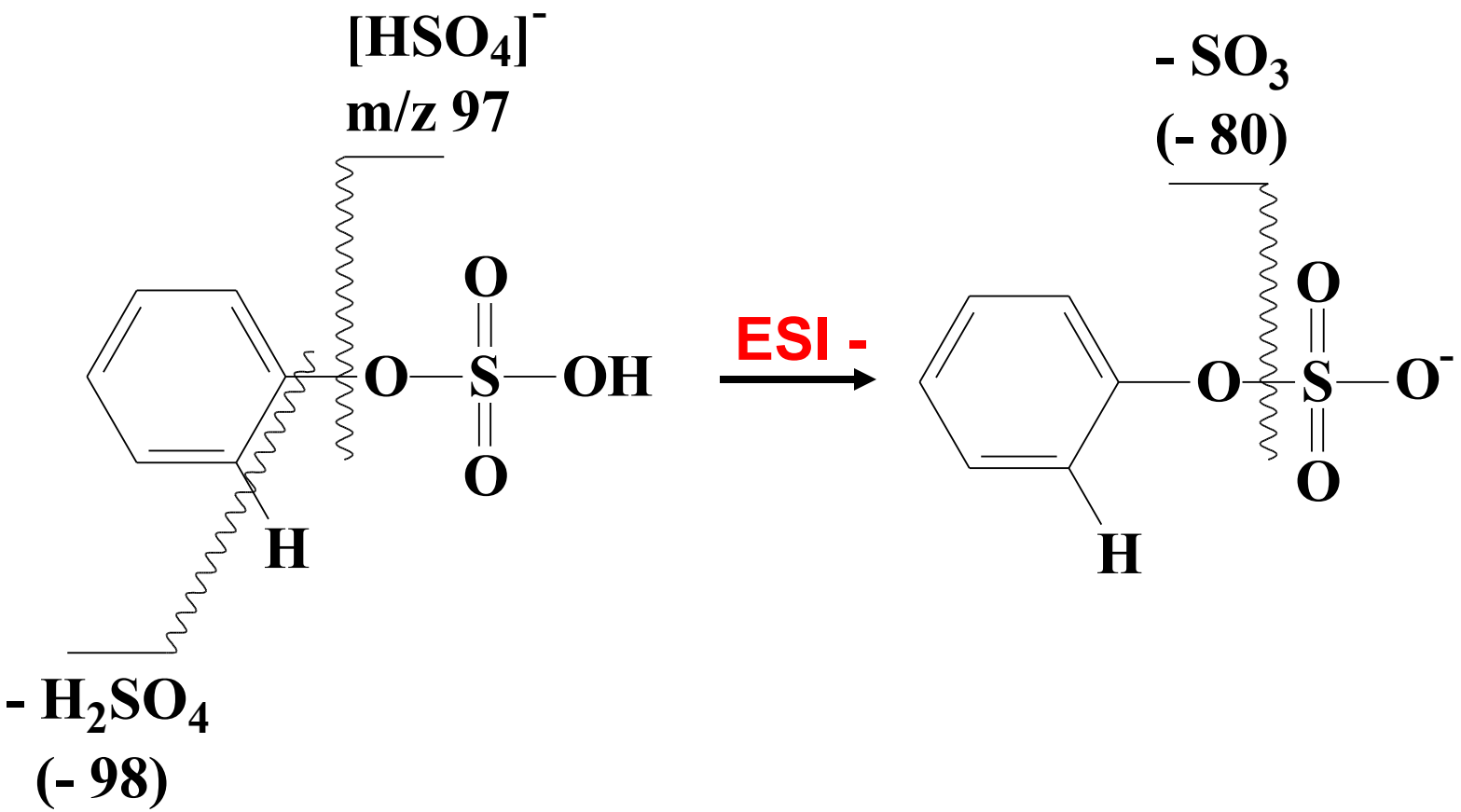
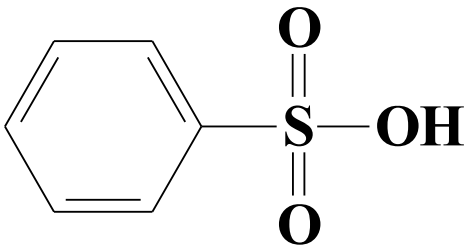
Sulfate group - $ROSO_3H$



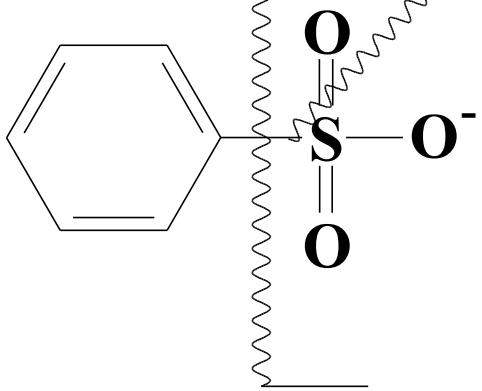
Sulfonic acid - RSO_3H



ESI -

- SO_3 (- 80)

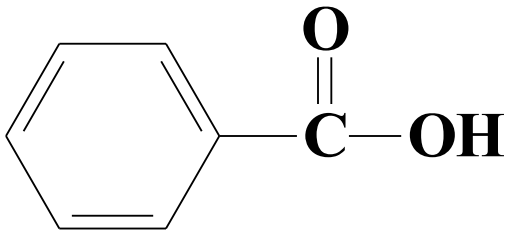
- SO_2 (- 64)



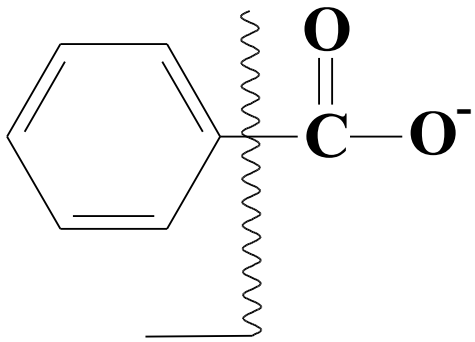
$[SO_3]^{-\cdot}$

m/z 80

Carboxylic acid - RCOOH

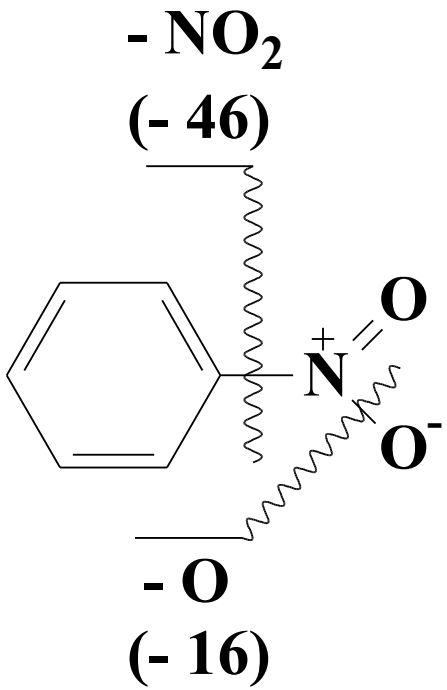


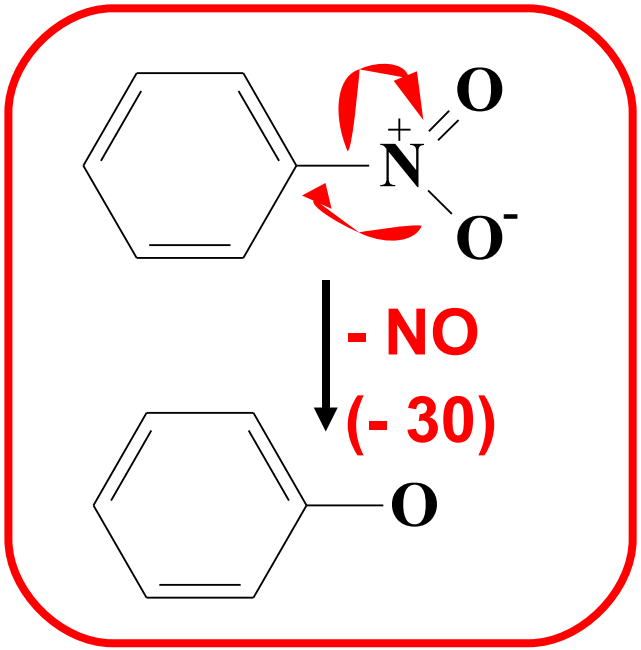
ESI -



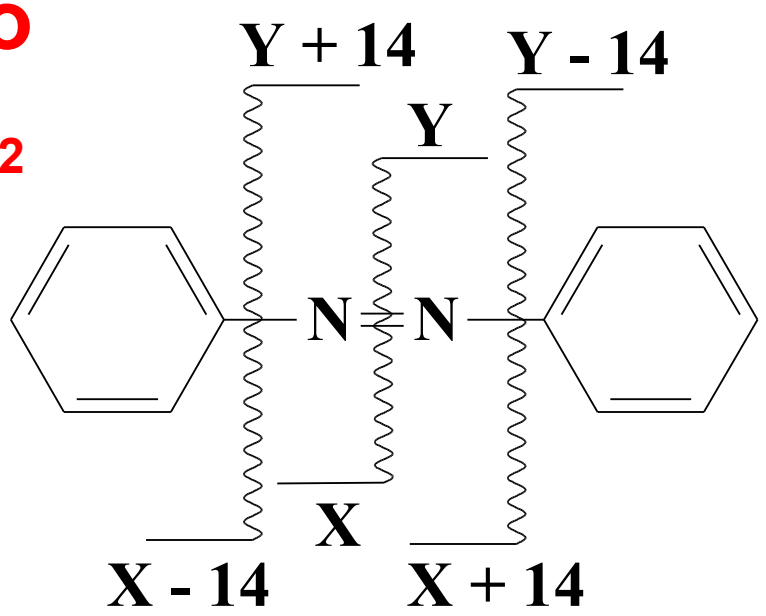
- CO_2 (- 44)

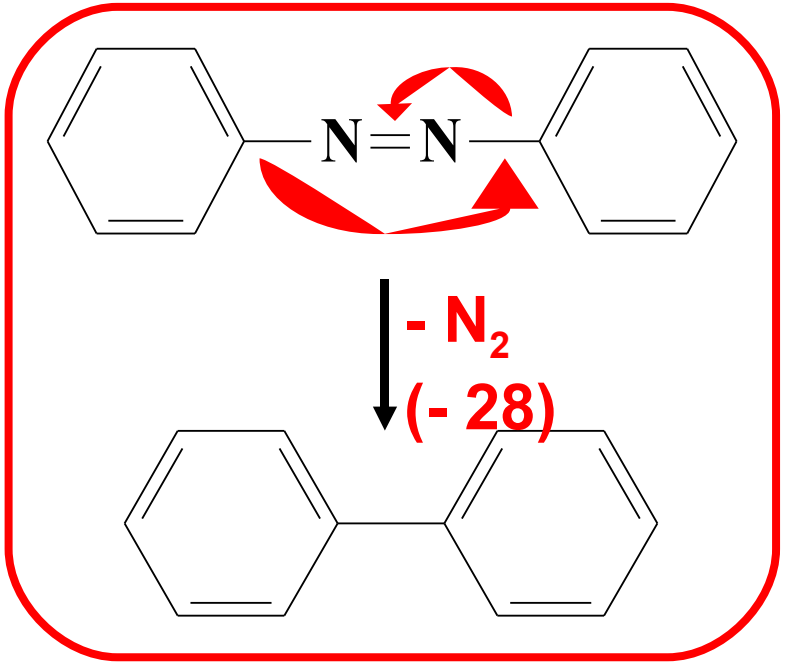
Nitro
- NO_2



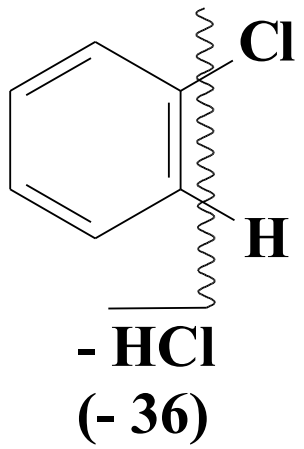


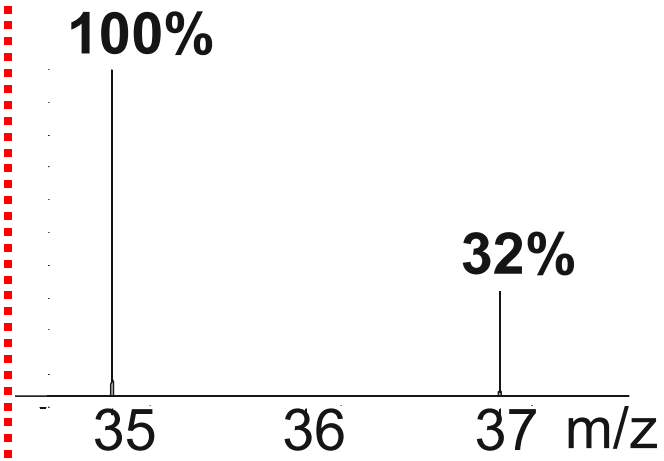
Azo
- N_2





Halogens - chlorine and bromine

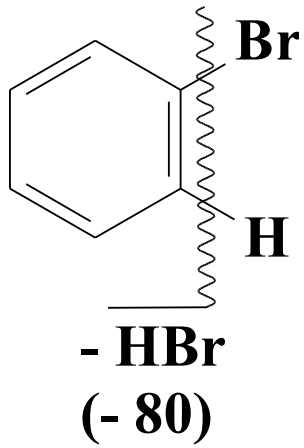


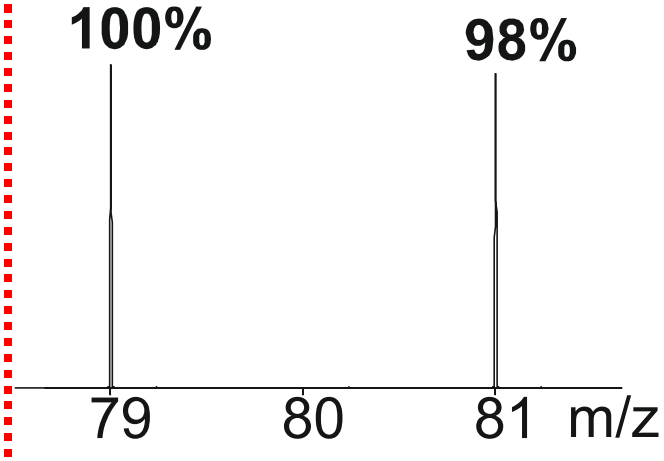


Isotopic ratio

$^{35}Cl : {}^{37}Cl = 3 : 1$

$n * Cl = (3a + b)^n$





Isotopic ratio

$^{79}Br : {}^{81}Br = 1 : 1$

$n * Br = (a + b)^n$

Chinones and phenols