Supplementary Data
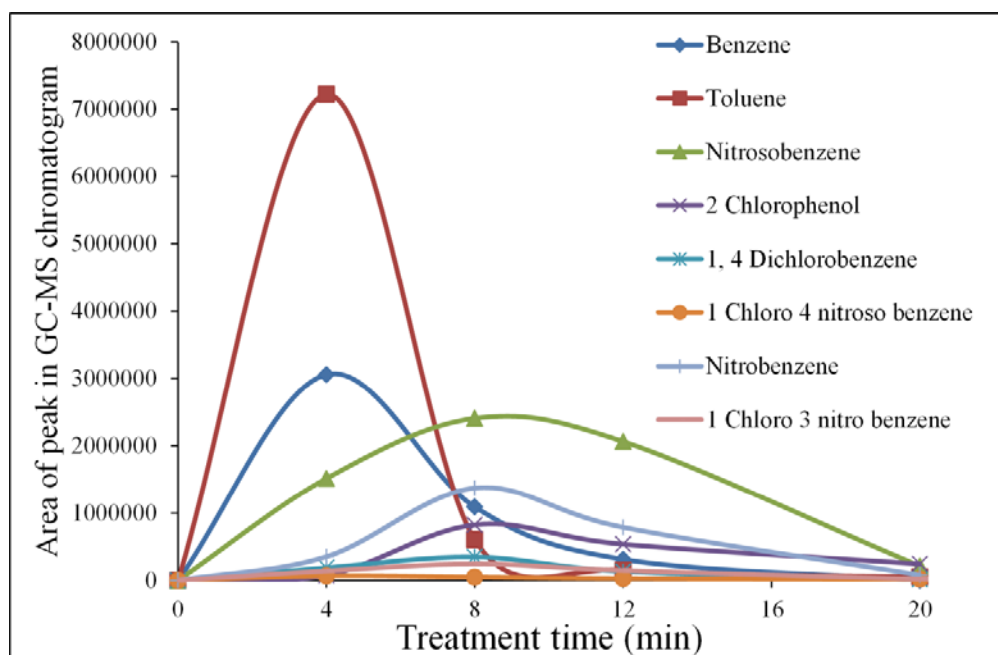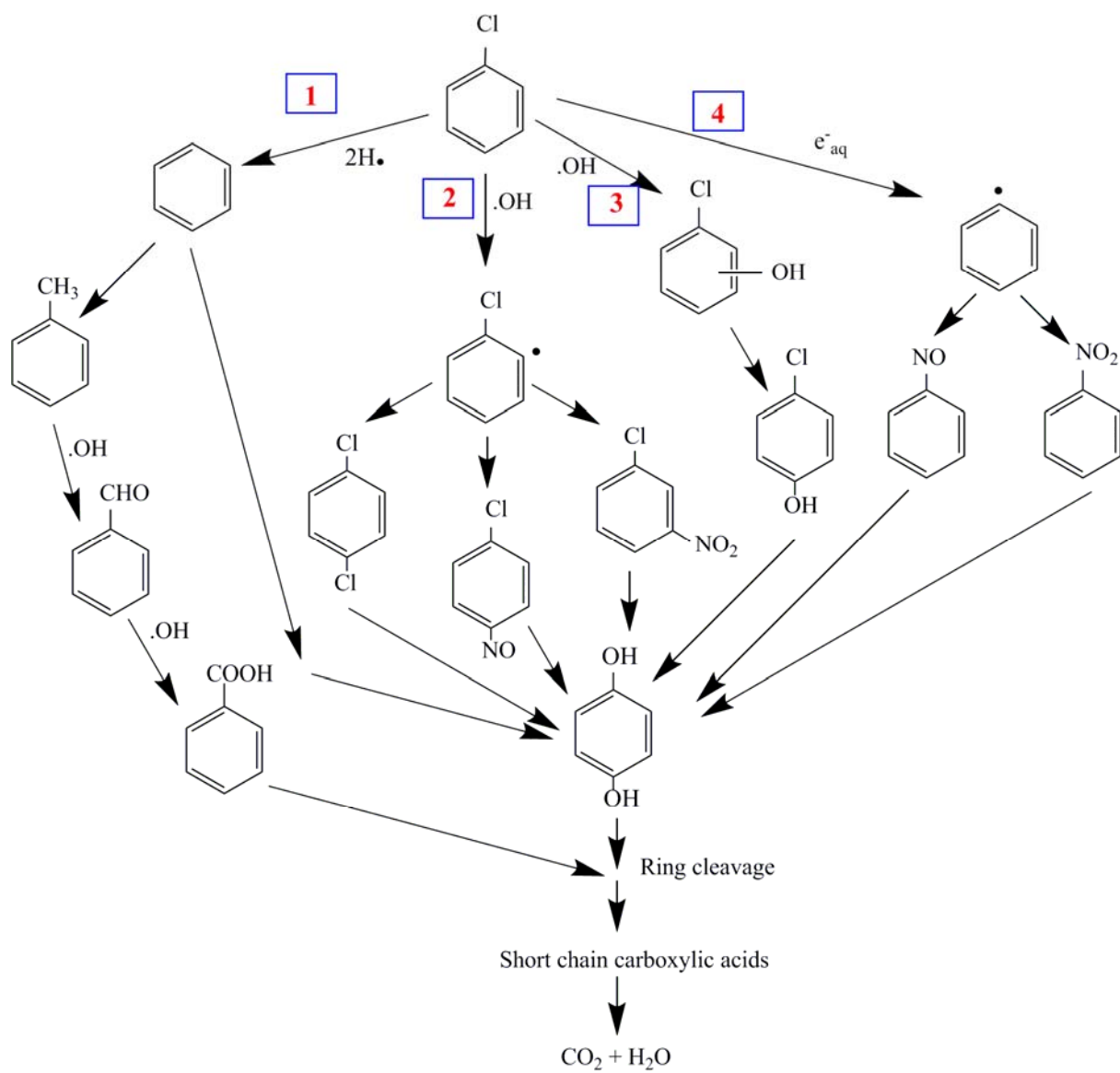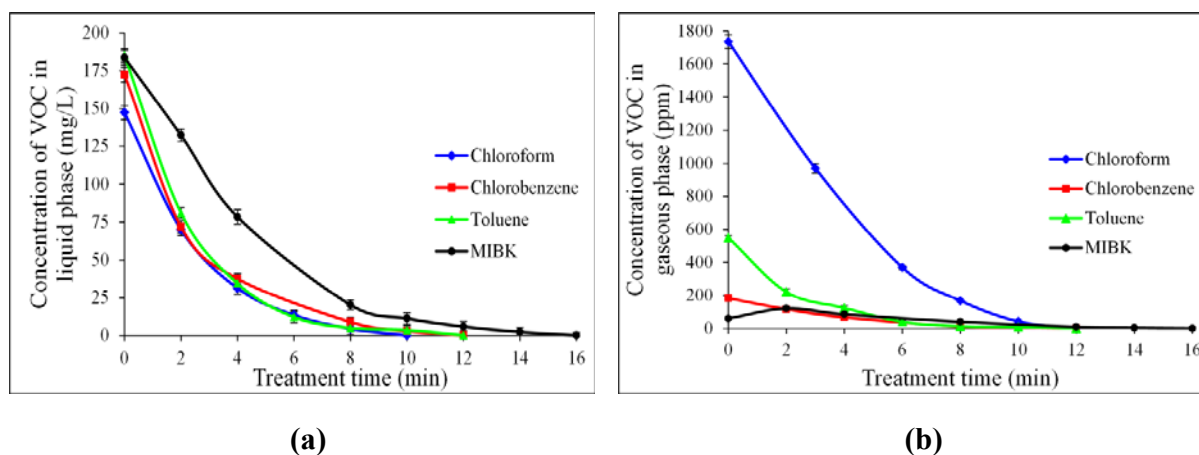

Fig. S1. Change in area of the peaks of the intermediates during degradation of chlorobenzene in presence of 10000 mg/L glucose

Fig. S2. Proposed degradation pathway of chlorobenzene in presence of glucose

Fig. S3. Reactor with flocs settled at bottom

(a) (b)

Fig. S4. Change in concentration of VOCs in liquid (a) and gaseous (b) phases during plasma treatment (23 kV, 25 Hz)

Table S1

COD removal and amount of glucose degraded after 10 min of plasma treatment (17 kV) of 200 mg/L VOC and 5000 mg/L glucose solution

Pollutant compound	Theoretical COD of 200 mg/L of each VOC (mg/L)	% COD removal of 200 mg/L VOC + 5000 mg/L glucose after 10 min	Glucose (mg/L) degraded after 10 min
Chloroform	26.8	39.2	1951.0
Chlorobenzene	397.9	36.7	1852.5

Toluene	625.4	38.1	1870.4
MIBK	542.9	37.5	1821.6