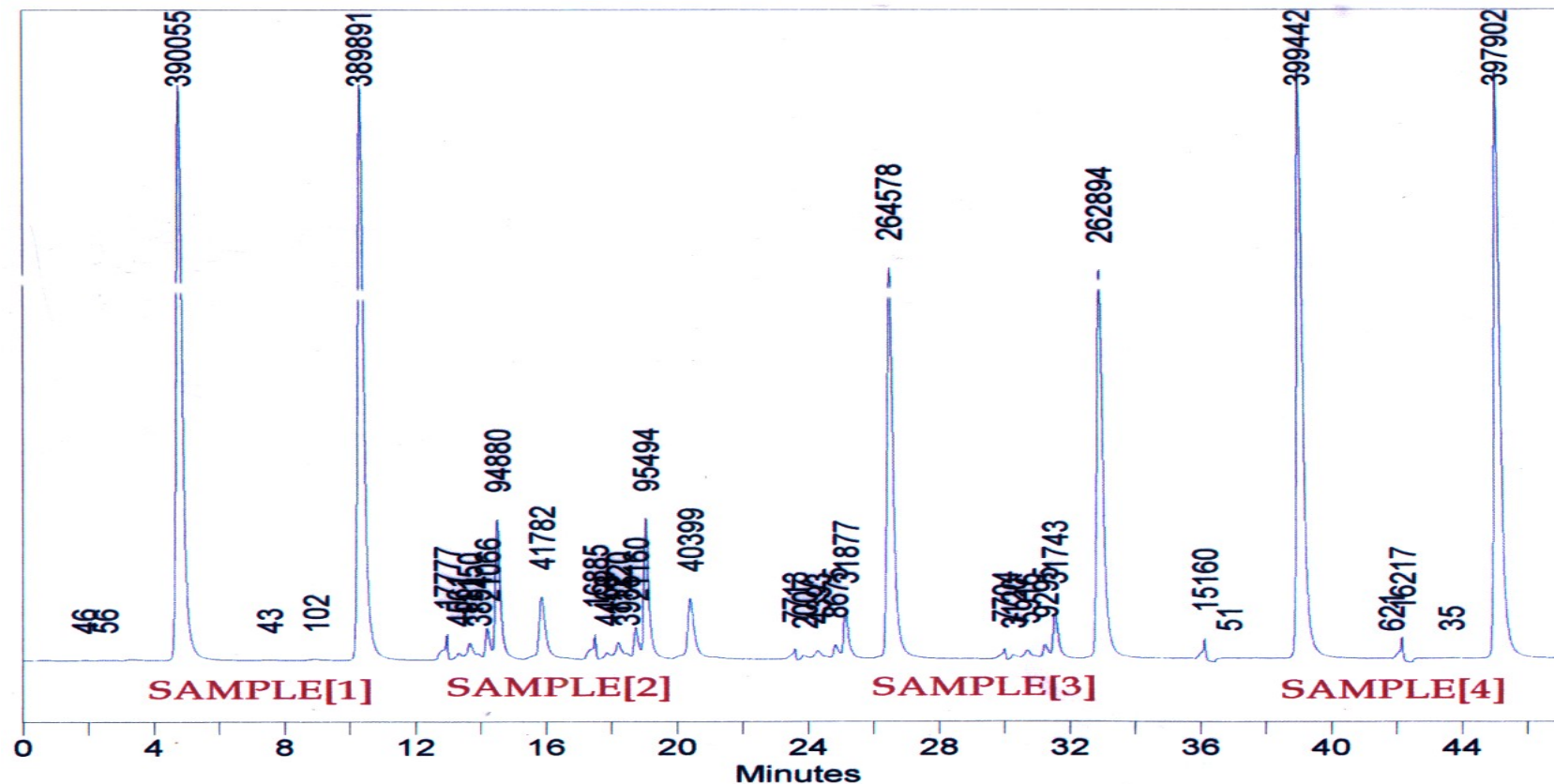


**Figure: 3.18 HPLC. Chromatogram of Metronidazole benzoate. The effect of concentration (0.1% and 1.0%) dissolved in methanol / water on the photo degradation.**

Sample (1): (0.1% w/v) Metronidazole benzoate in standard 50% methanol.

Sample (2): (0.1% w/v) Metronidazole benzoate in 50% methanol exposed to sunlight for seven days.

Sample (3): (1% w/v) Metronidazole benzoate in 50% methanol exposed to sunlight for seven days.



**Figure: 3.19 HPLC. Chromatogram of Metronidazole benzoate. The effect of concentration (0.1 % and 0.5 <sup>w/v</sup>) in methanol /water on the photodegradation.**

Sample (1): (0.1% <sup>w/v</sup>) Metronidazole benzoate standard in mobile phase

Sample (2): (0.1% <sup>w/v</sup>) Metronidazole benzoate in 50% methanol exposed to sunlight for three days.

Sample (3): (0.5% <sup>w/v</sup>) Metronidazole benzoate in 50% methanol exposed to sunlight for three days.

Sample (4): (0.5% <sup>w/v</sup>) Metronidazole benzoate in 50% methanol.