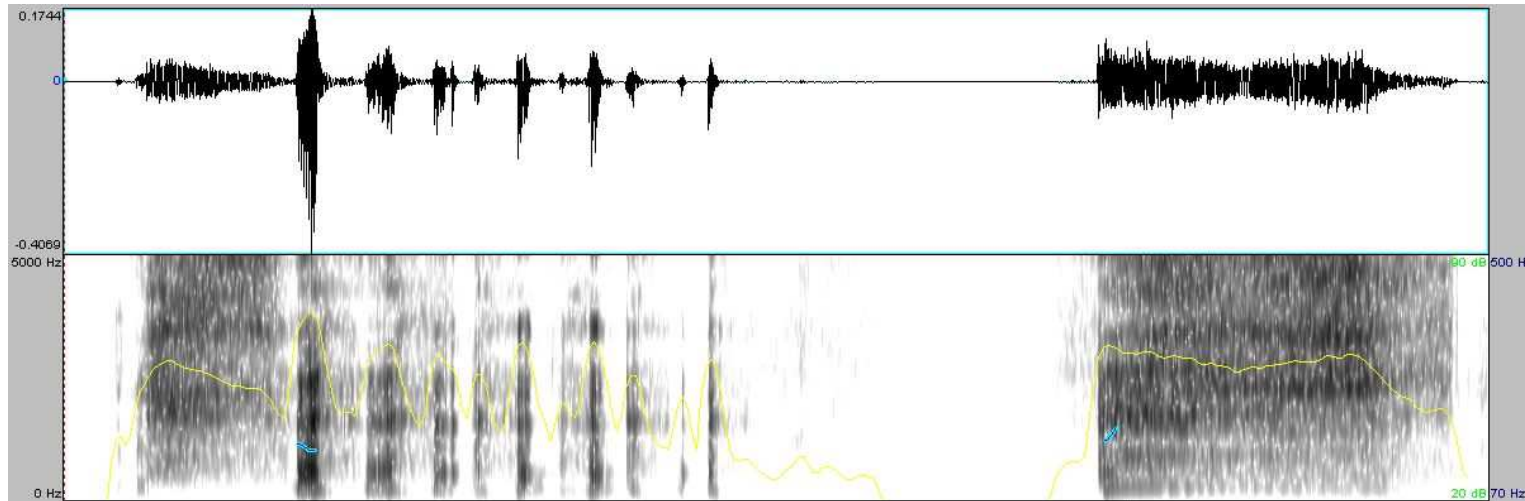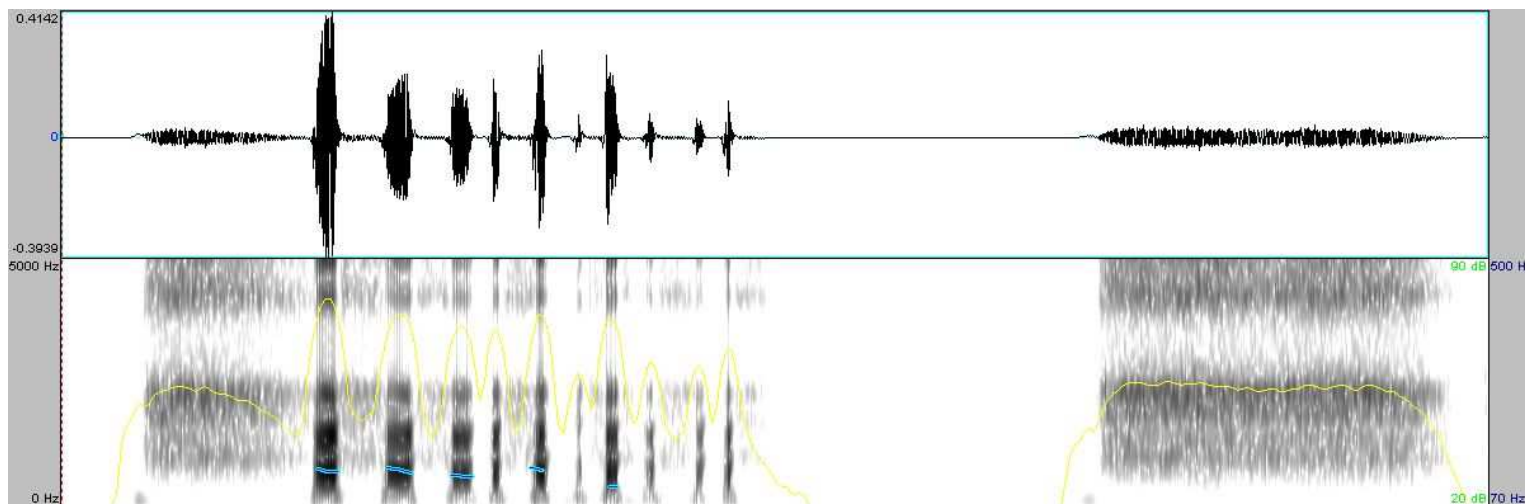**Screenshots of oscillogram and spectrogram views of each of the four laughs in isolation using 'Praat' (www.praat.org)**

Each window has a length of 3.5 seconds. In the bottom half of each screenshot (spectrogram), the yellow lines show the intensity contour (green scale on the right, ranging from 20 to 90 dB). The blue lines show the fundamental frequency values (blue scale on the right, ranging from 70 to 500 Hz).
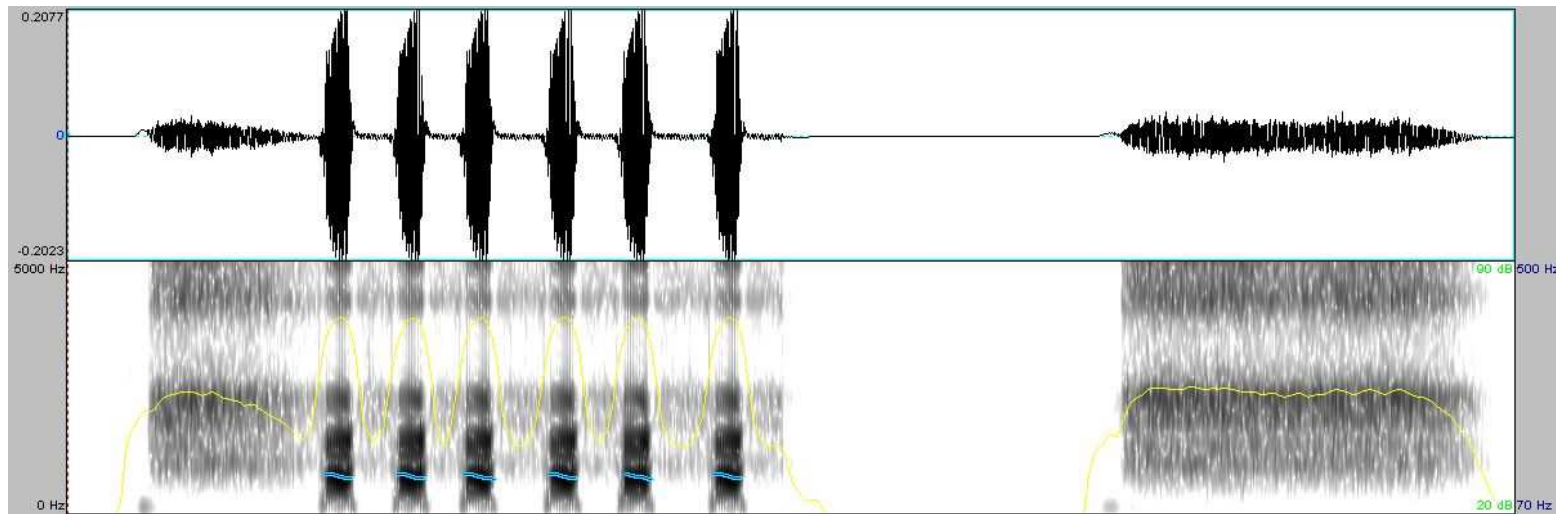
a) Human laugh (*H*) – taken from a corpus of spontaneous conversations [7]

b) Laugh *version V* – the detailed and variation-rich imitation of 1) with the articulatory synthesizer [3]

c) Laugh *version S* – the more stereotyped imitation of 1), again synthesized with the articulatory synthesizer [3]

d) Laugh *version D* – the imitation with a diphone synthesis system [9]