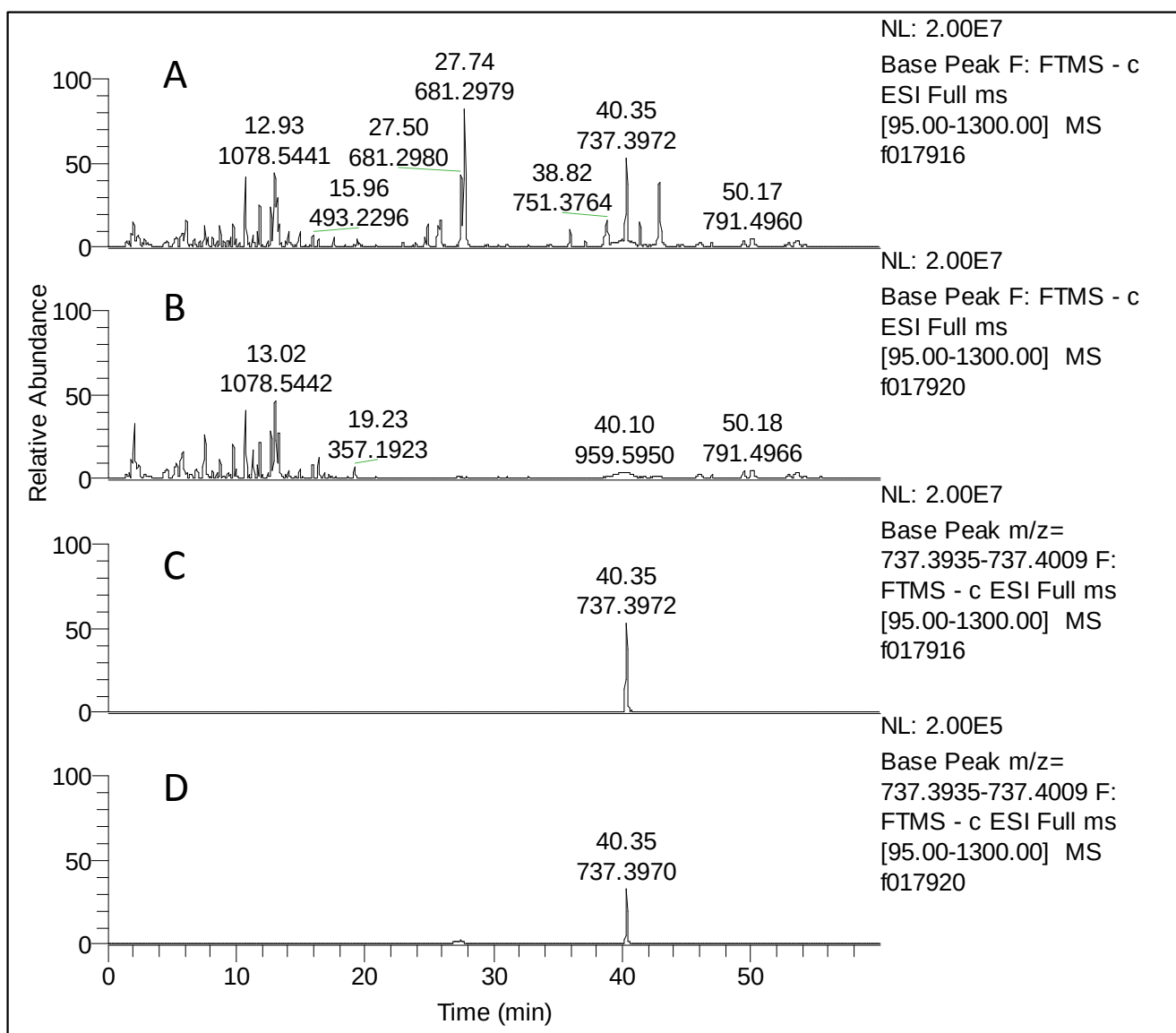




Supplemental Figure 1: Contrasting LC-LTQ-Orbitrap FTMS profiles of tomato leaf extracts from *S. galapagense* LA1401 (A, C) and *S. lycopersicon* var. MoneyMaker (B, D). Upper traces A and B show the detector response at full scan range, while lower traces C and D show the chromatogram of m/z 737.3965 (formic acid adduct of acyl sugar S22) at a window of 5 ppm mass deviation. Values indicated above the chromatographic peaks indicate their retention time and exact mass of base peak (highest m/z signal) on top of peaks, respectively. Note that Y-scale (detector response) for traces A, B and C is set at 2×10^7 ions per scan, while Y-scale for trace D is set at 2×10^5 ions. Thus, the relative level of acyl sugar S22 at retention time 40.35 min is about 150 fold higher in LA1401 compared to cv. Moneymaker.