Supplementary Materials 1

Table S1. Fatty acid composition (in %) of the best biomass and lipid producer strains

	Y. lipolytica	*C. curvata*	*R. toruloides*	*A. niger*	*A. awamori*	*M. vinacea*
16:0	25,33 +/−1,35	31,54 +/−0,88	32,93 +/−15,31	22,33 +/−8,12	32,48 +/−2,24	21,73 +/−0,34
16:1	3,9 +/−1,12	0,21 +/−0,41	1,55 +/−1,85	3,45 +/−6,75	2,39 +/−0,6	1,47 +/−0,23
18:0	4,08 +/−0,8	8,66 +/−0,06	5,21 +/−1,4	4,82 +/−3,95	5,91 +/−0,67	5,77 +/−0,62
18:1	22,62 +/−4,53	24,62 +/−2,43	27,31 +/−4,67	23,52 +/−9,15	15,97 +/−2,97	24,24 +/−4,93
18:2	34,38 +/−5,15	16,27 +/−1,47	20,59 +/−18,05	35,15 +/−8,29	30,89 +/−8,57	41,26 +/−1,11

Data represent mean +/- standard error of 2 duplicates.

Supplementary Materials 2

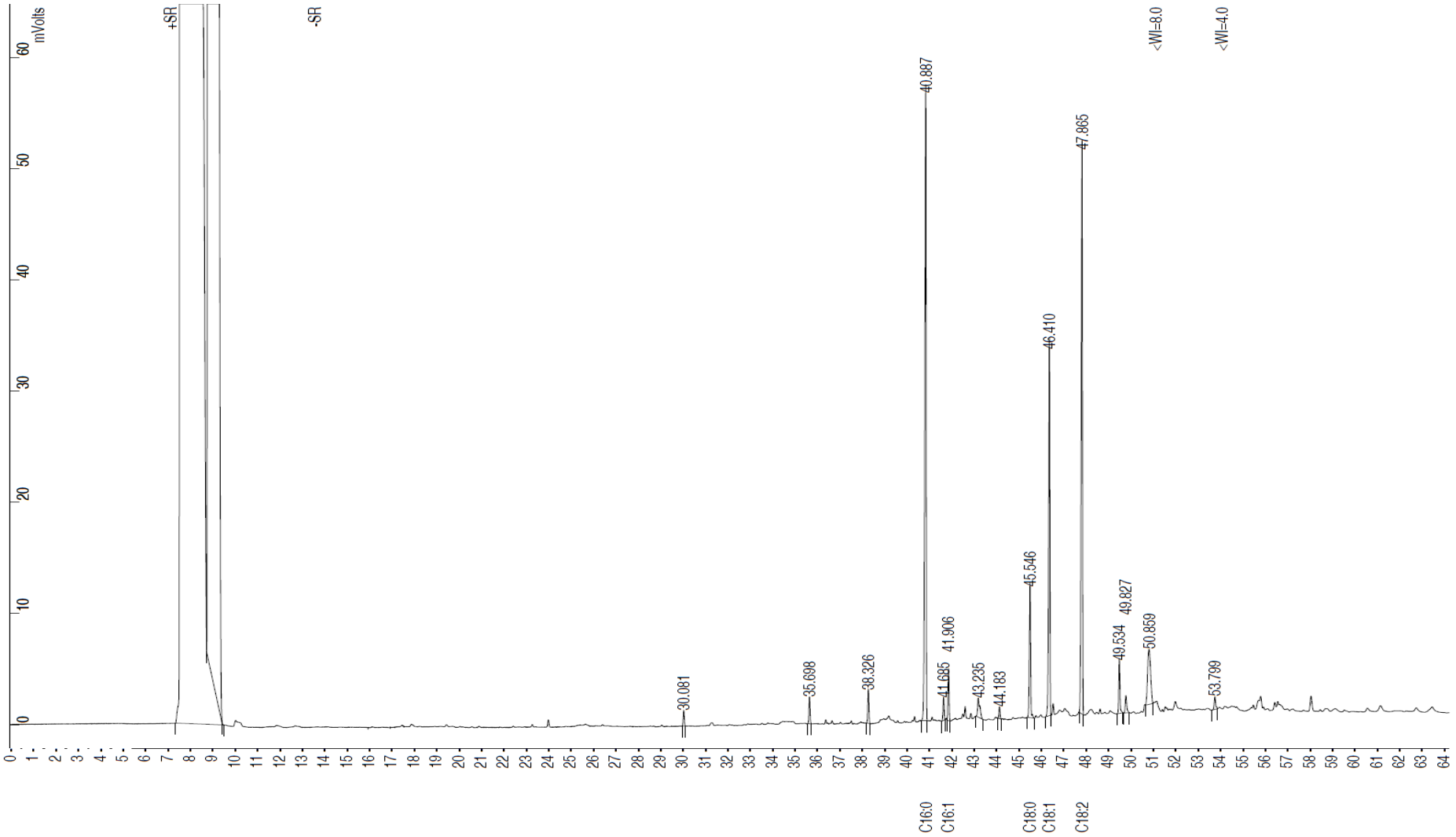

Figure S1. GC chromatogram of *A. awamori.*

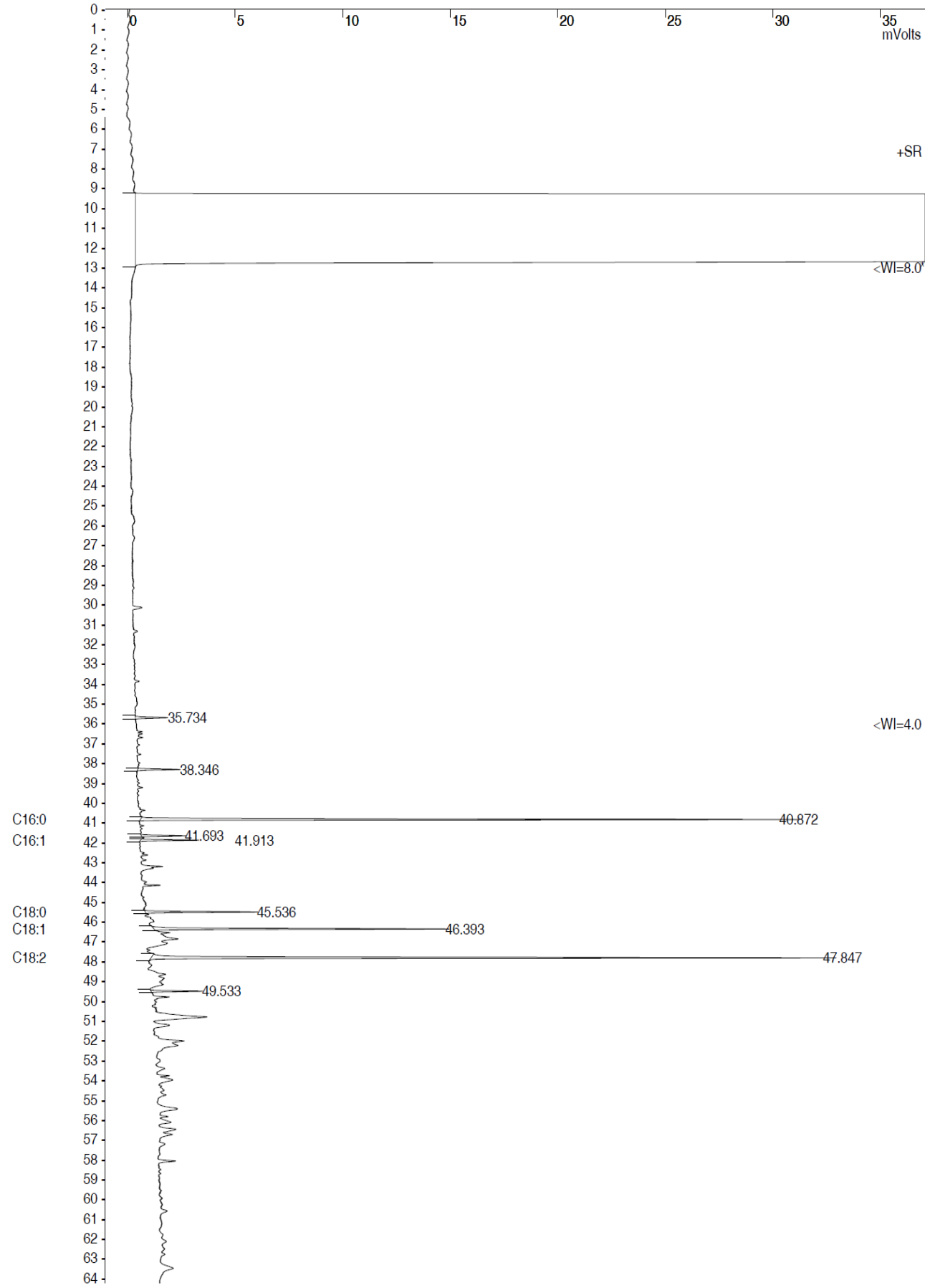

Figure S2. GC chromatogram of *A. niger*.

A. Cryptococcus curvatus

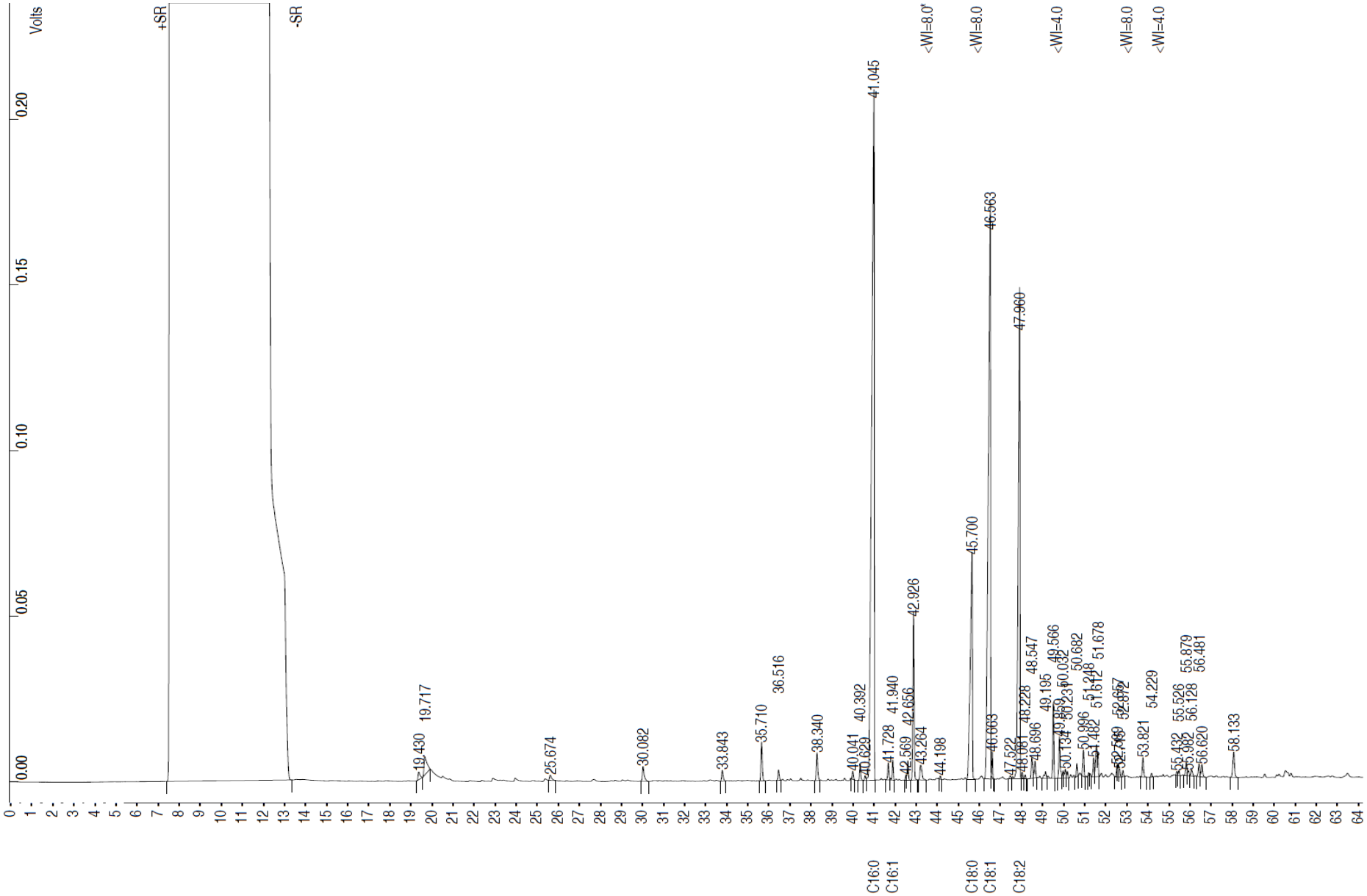

Figure S3. GC chromatogram of *C. curvatus*

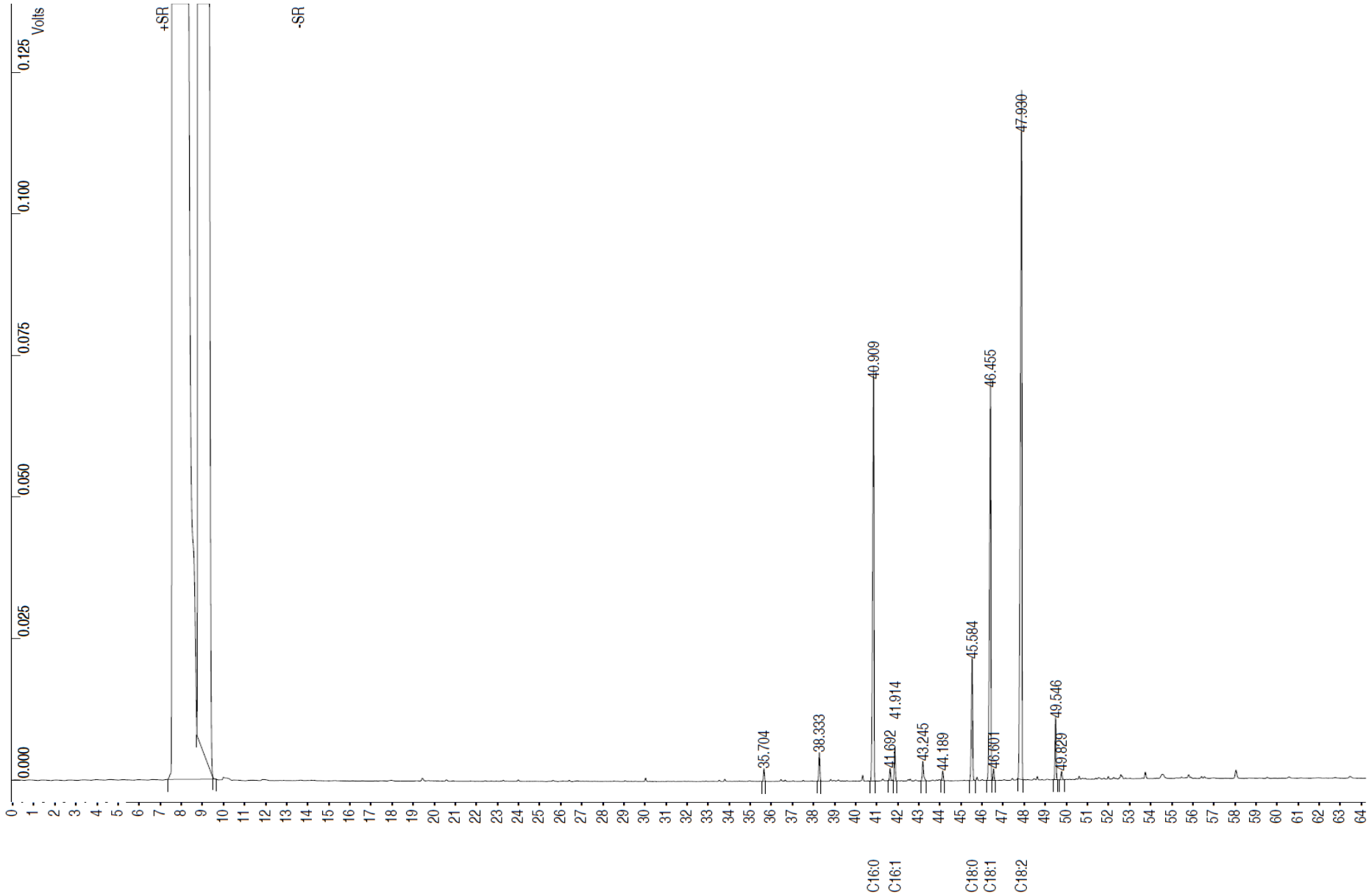

Figure S4. GC chromatogram of *M. vinacea*

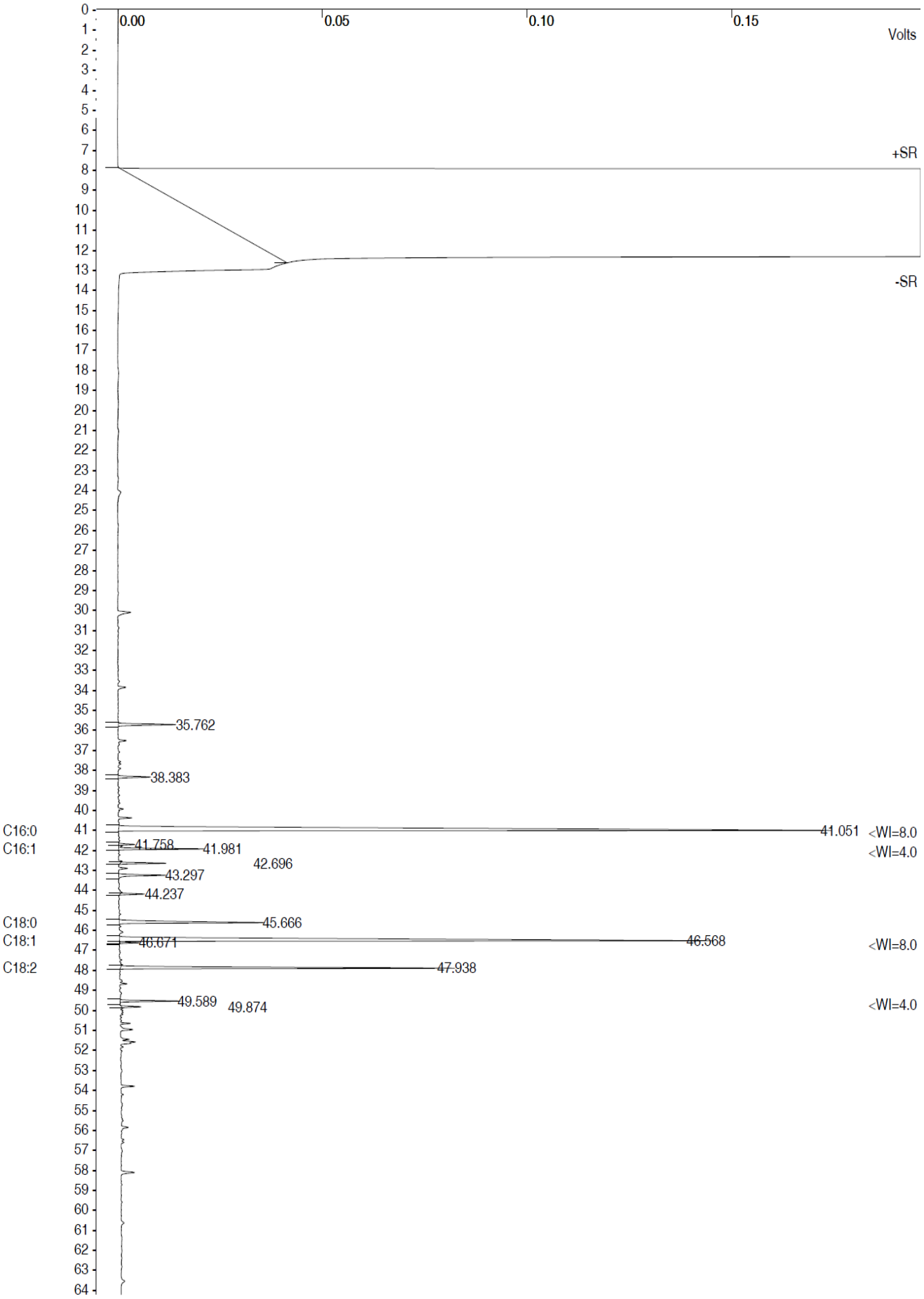

Figure S5. GC chromatogram of *R. toruloides*

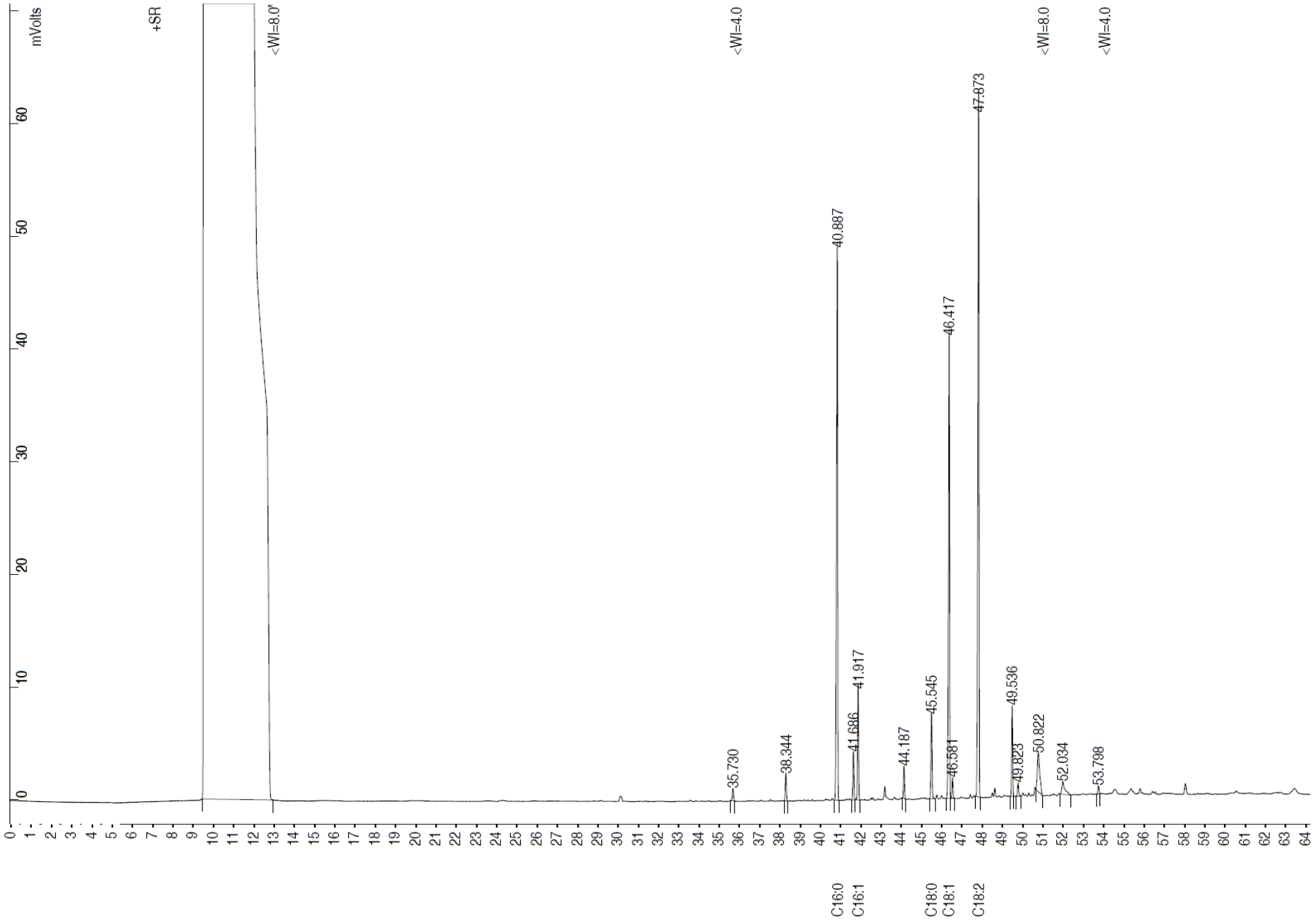

Figure S6. GC chromatogram of *Y. lipolytica.*