

MS/MS Parameters of Pesticides

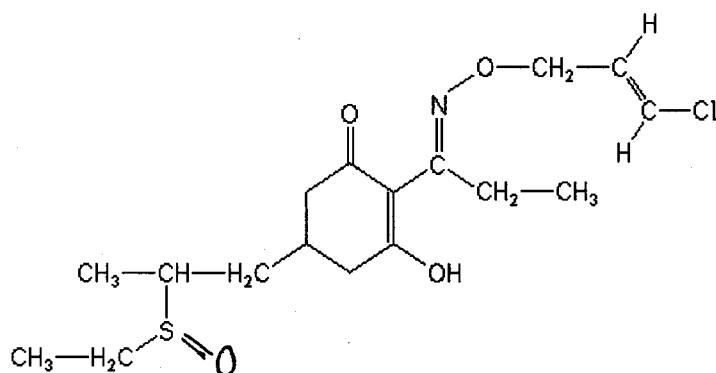
Analyte: Clethodim-sulfoxid

CAS No.: not available

Formula: C₁₇H₂₆ClNO₄S

Molecular mass (lowest isotopes): 375,13 amu

Structure:



Ionisation: ESI +

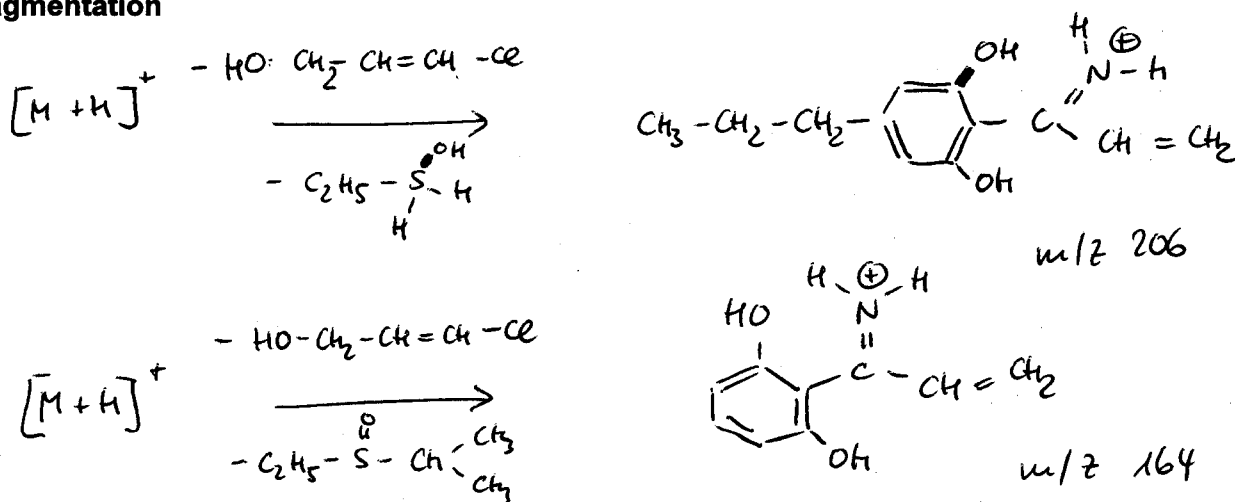
Quasimolecular ion: 376,1 amu = [M+H]⁺

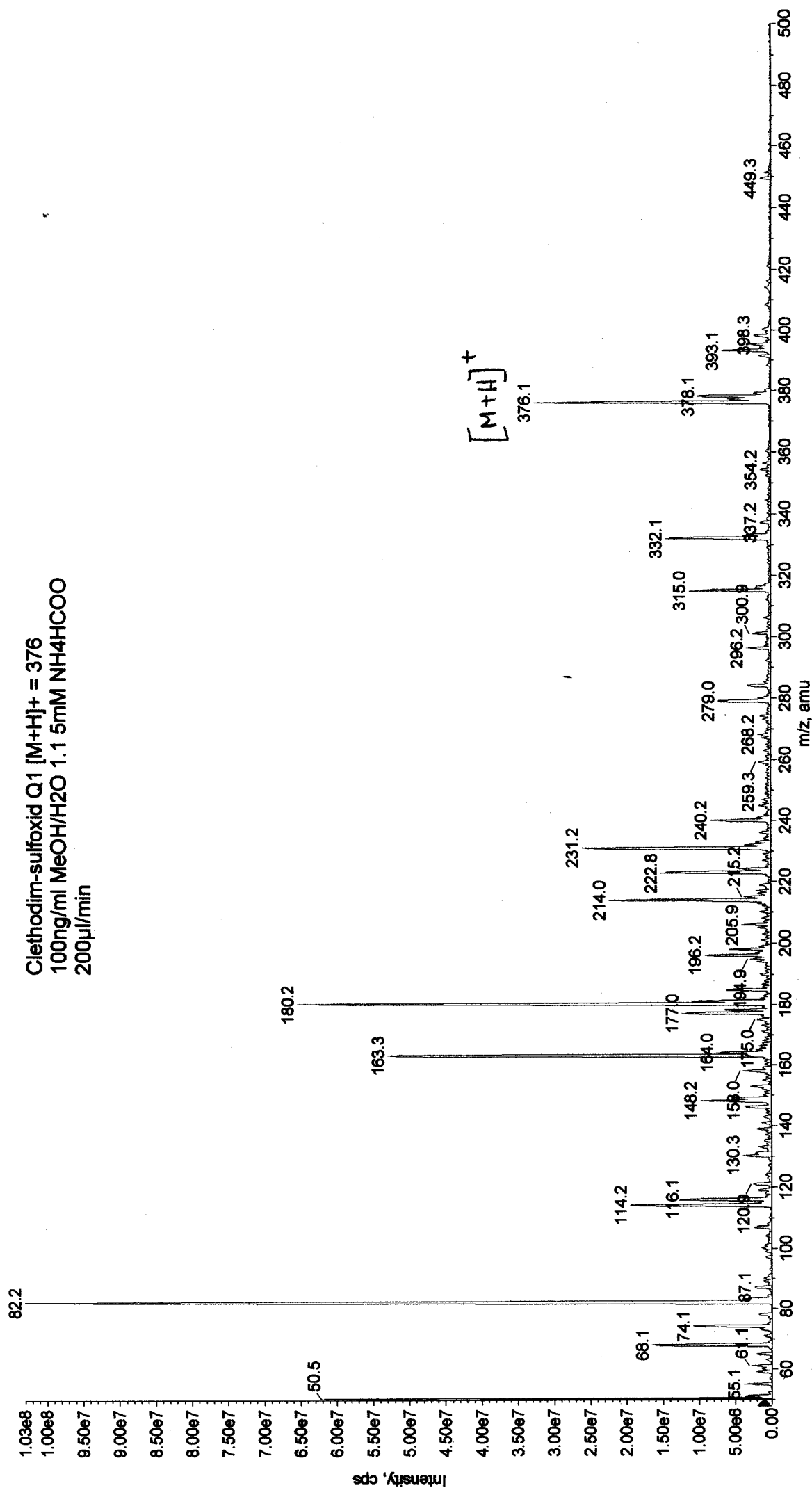
Analyte sensitive parameter set (API 2000)

Transition	376,1 → 206,0	376,1 → 164,1
Declustering potential (DP) ^{*)}	26 V	26 V
Focusing potential (FP)	350 V	360 V
Entrance potential (EP)	12,0 V	10,0 V
Collision cell entrance potential (CEP)	22 V	22 V
Collision energy (CE)	19 V	29 V
Collision cell exit potential (CXP)	10 V	8 V

^{*)} For API 3000 and 4000 enhance DP by 20V

Fragmentation

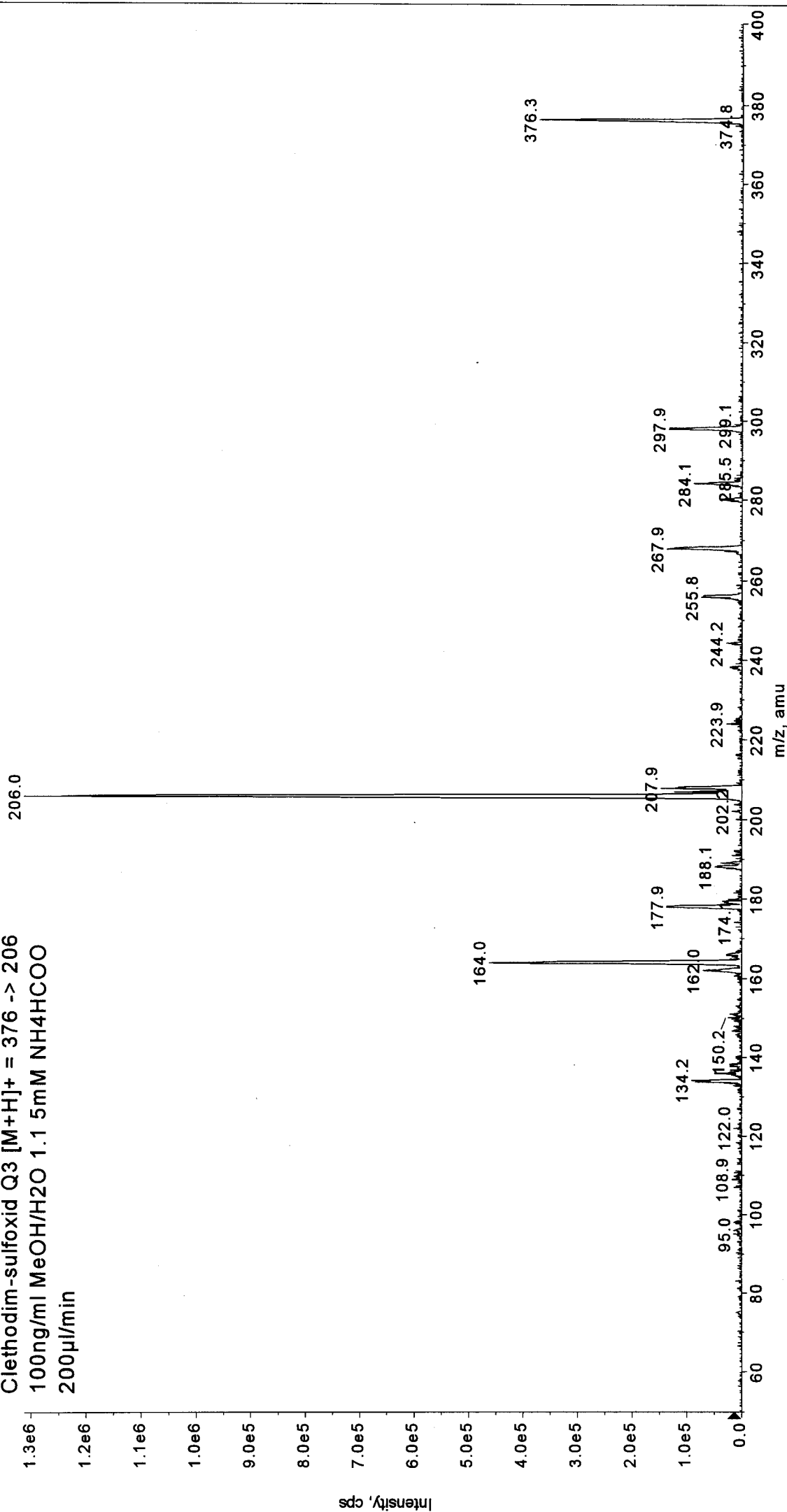




*Product (376.2): 30 MCA scans from Sample 1 of MT20020306115854.wiff

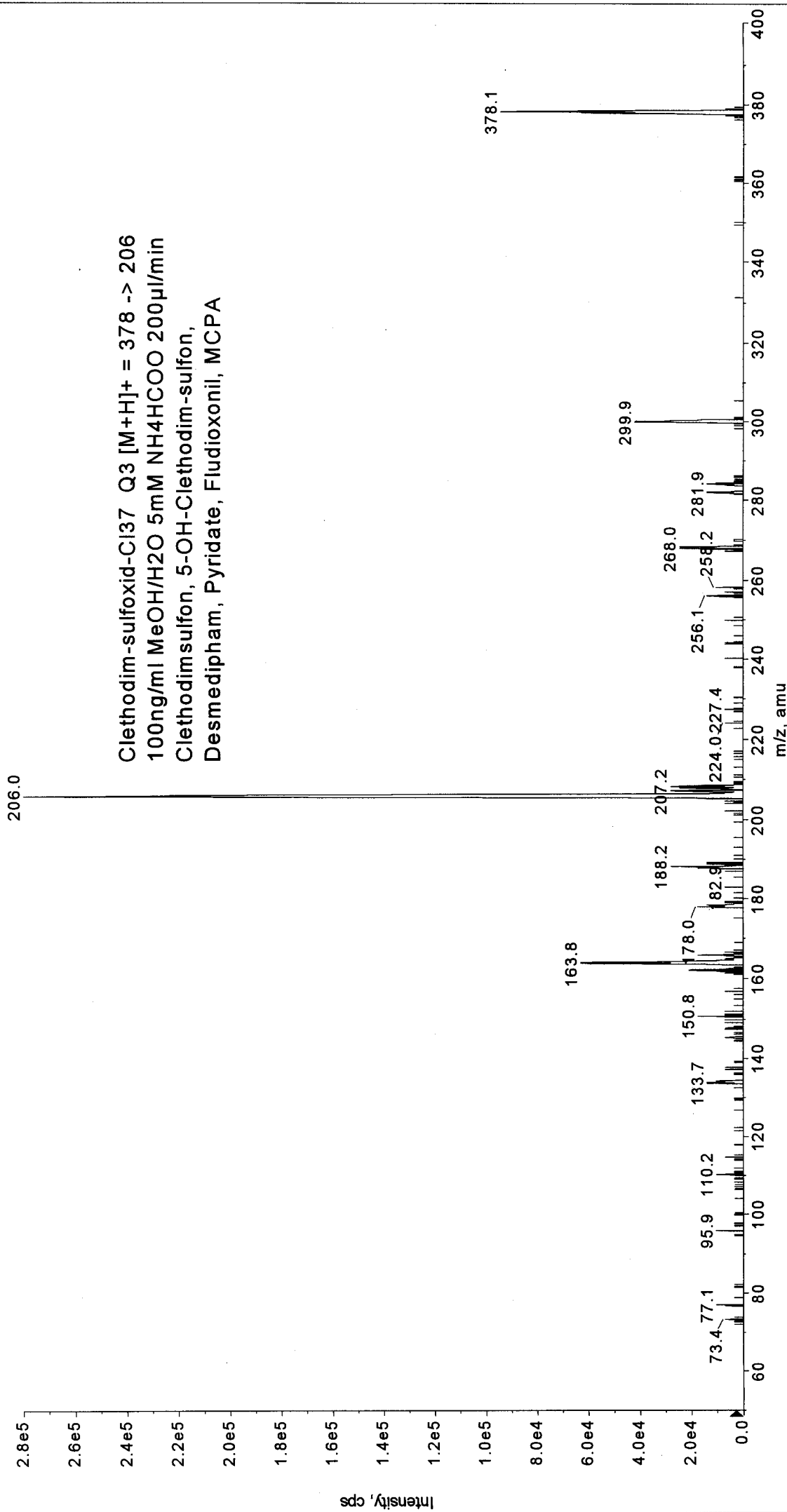
Max 1.396 cps

Clethodim-sulfoxid Q3 [M+H]⁺ = 376 -> 206
100ng/ml MeOH/H₂O 1.1 5mM NH₄HCOO
200µl/min



*Product (378.2): 30 MCA scans from Sample 1 of MT20020130125358.wiff

Max 2.8e5 cps



*Product (376.1): 30 MCA scans from Sample 1 of MT20020306130713.wiff

Max 7.1e5 cps

