

MS/MS Parameters of Pesticides

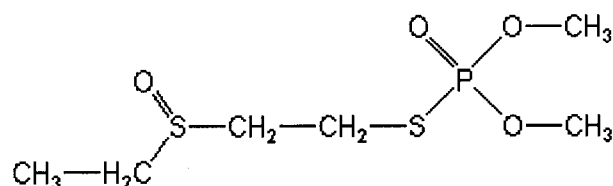
Analyte: Oxydemeton-methyl

CAS No.: 301-12-2

Formula: C₆H₁₅O₄PS₂

Molecular mass (lowest isotopes): 246,02 amu

Structure:



Ionisation: ESI +

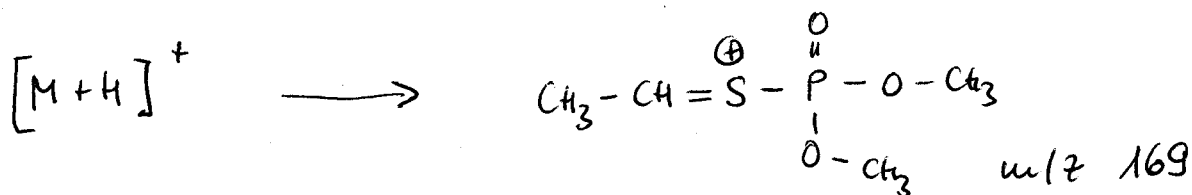
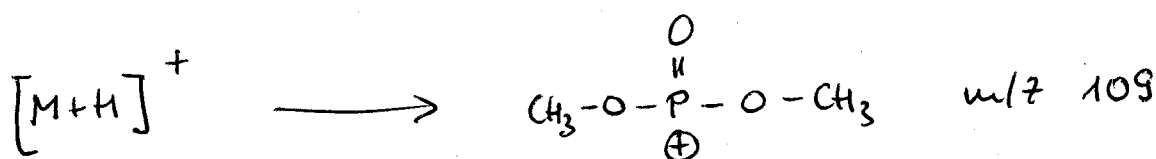
Quasimolecular ion: 247,0 amu = [M+H]⁺

Analyte sensitive parameter set (API 2000)

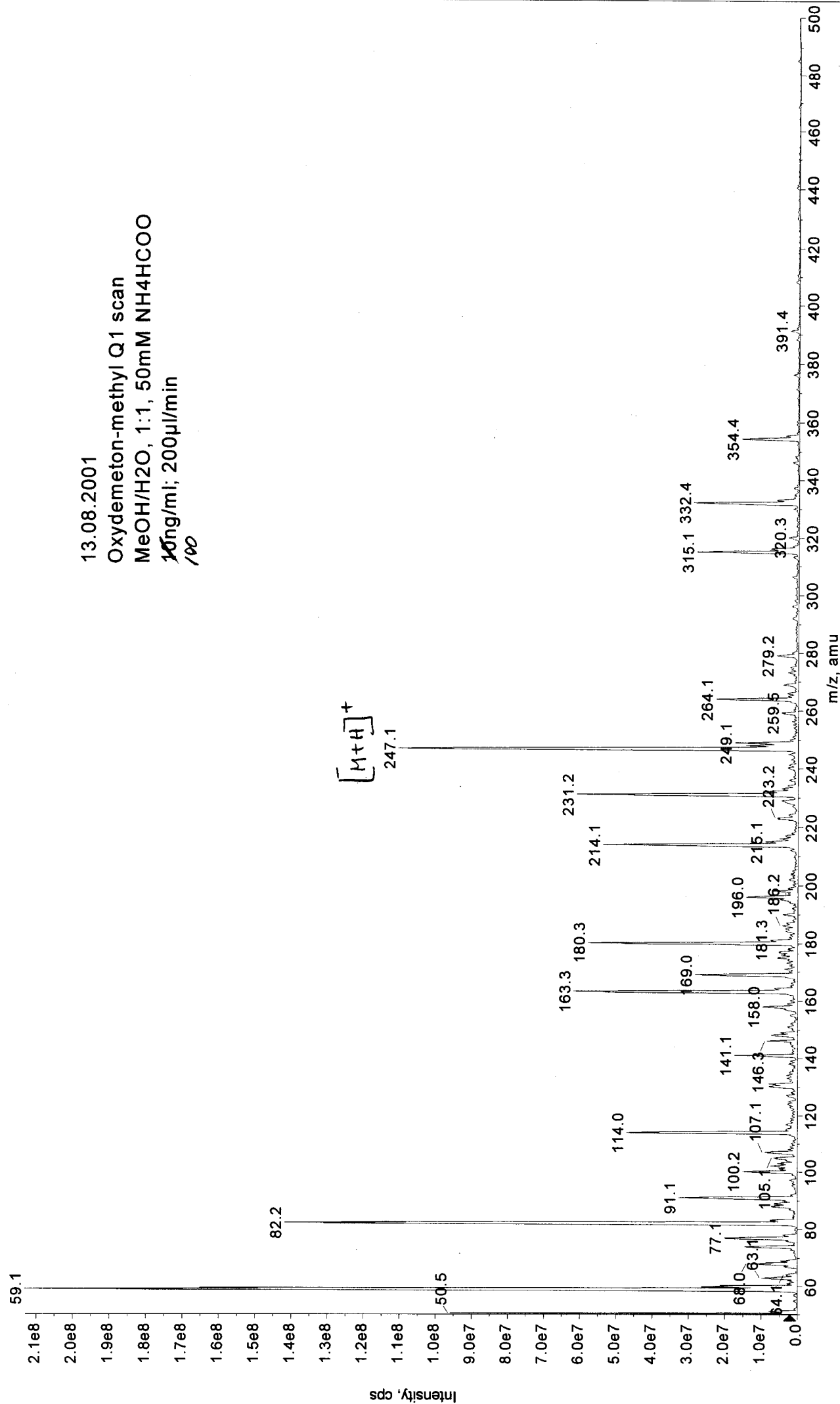
Transition	247,0 → 169,0	247,0 → 109,0
Decustering potential (DP) ^{*)}	31 V	31 V
Focusing potential (FP)	350 V	350 V
Entrance potential (EP)	12,0 V	9,5 V
Collision cell entrance potential (CEP)	14 V	12 V
Collision energy (CE)	19 V	35 V
Collision cell exit potential (CXP)	8 V	6 V

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

Fragmentation



13.08.2001
Oxydemeton-methyl Q1 scan
MeOH/H₂O, 1:1, 50mM NH₄HCOO
100ng/ml; 200µl/min
100



13.08.2001
Oxydemeton-methyl Q3 scan 247 -> 109
MeOH/H₂O, 1:1, 50mM NH₄HCOO
~~10~~ng/ml; 200µl/min
~~100~~

