

**BfR**

Risiken erkennen – Gesundheit schützen

MS/MS Parameters of Pesticides

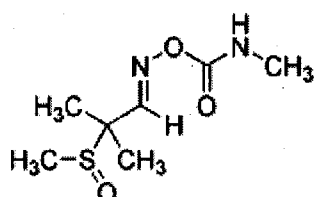
Analyte: Aldicarb-sulfoxid

CAS No.: 1646-87-3

Formula: C₇H₁₄N₂O₃S

Molecular mass (lowest isotopes): 206,07 amu

Structure:



Ionisation: ESI +

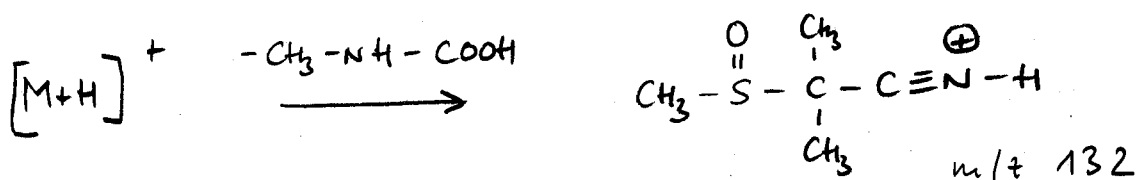
Quasimolecular ion: 207,1 amu = [M+H]⁺

Analyte sensitive parameter set (API 2000)

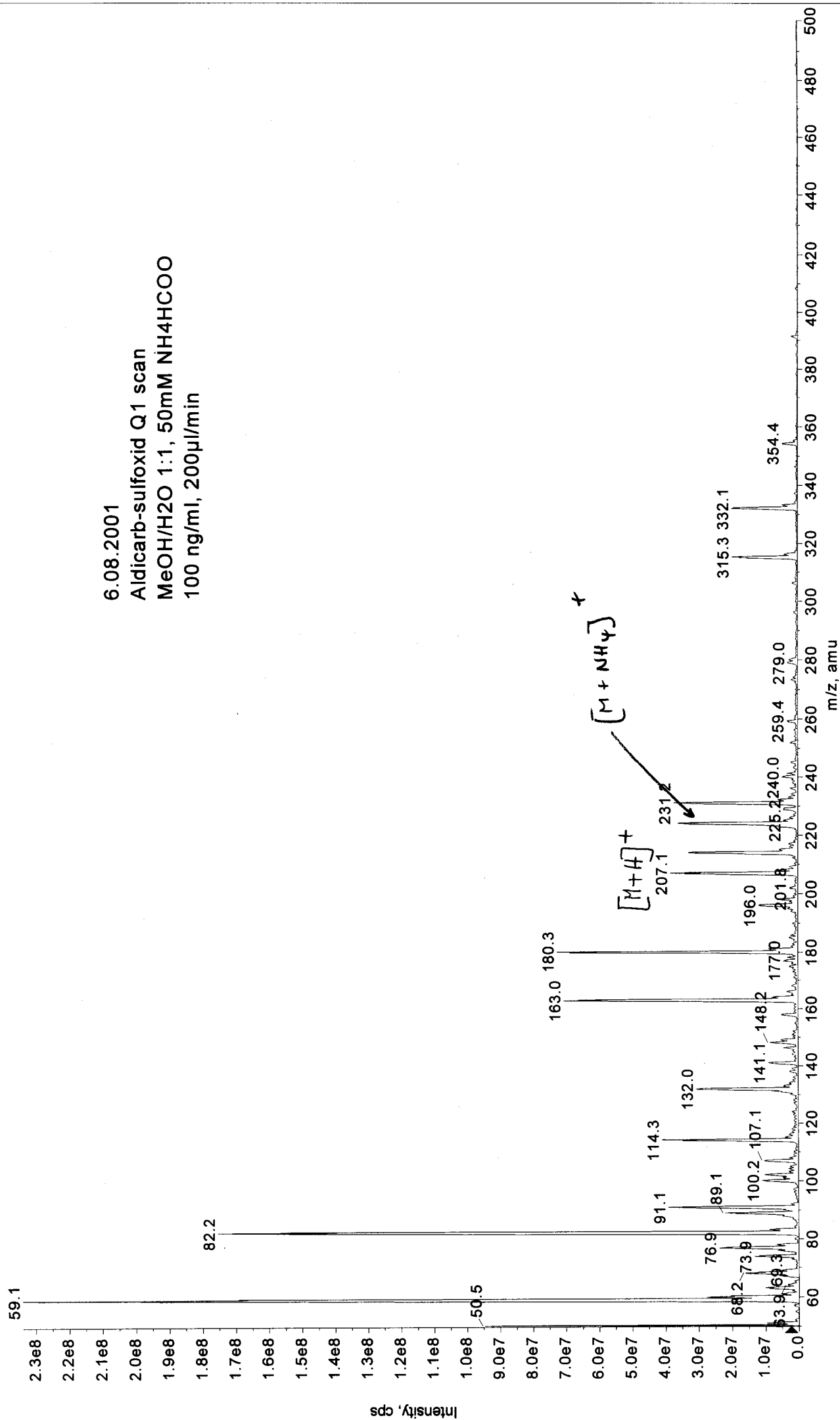
Transition	207,1 → 89,1	207,1 → 131,9
Declustering potential (DP) ^{*)}	34 V	34 V
Focusing potential (FP)	360 V	360 V
Entrance potential (EP)	10,5 V	10,5 V
Collision cell entrance potential (CEP)	10 V	10 V
Collision energy (CE)	17 V	11 V
Collision cell exit potential (CXP)	4 V	6 V

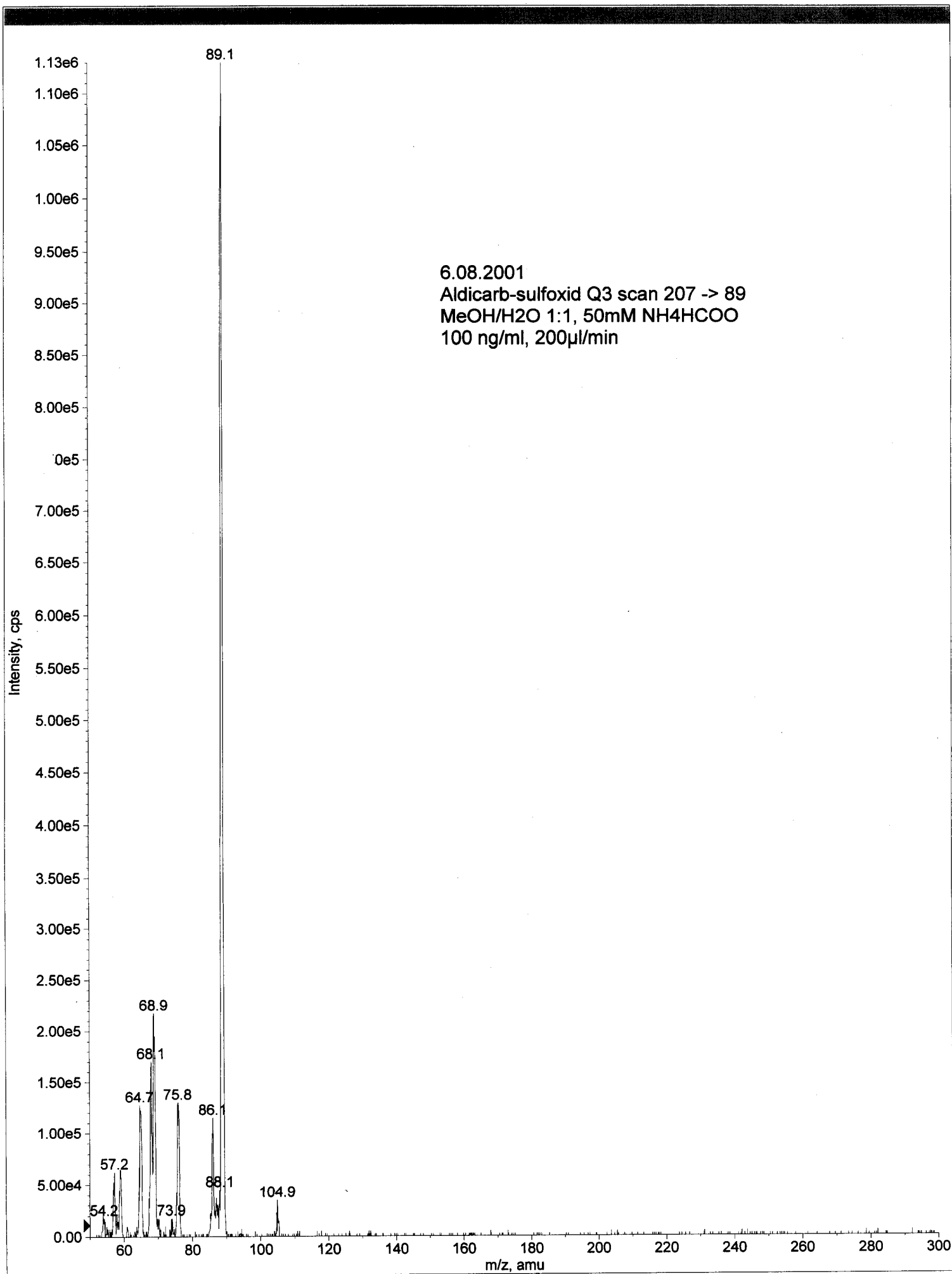
^{*)} For API 3000 and 4000 enhance DP by 20V

Fragmentation



6.08.2001
Aldicarb-sulfoxid Q1 scan
MeOH/H₂O 1:1, 50mM NH₄HCOO
100 ng/ml, 200µl/min





6.08.2001
Aldicarb-sulfoxid J132 Q3 scan 207 -> 132
MeOH/H2O 1:1, 50mM NH4HCOO
100 ng/ml, 200µl/min

