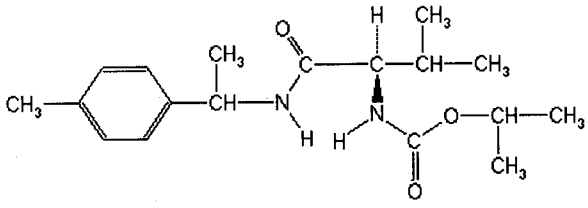
Risiken erkennen – Gesundheit schützen

MS/MS Parameters of Pesticides

Analyte: Iprovalicarb

CAS No.: 140923-17-7
Formula: C18H28N2O3
Molecular mass (lowest isotopes): 320,21 amu

Structure:



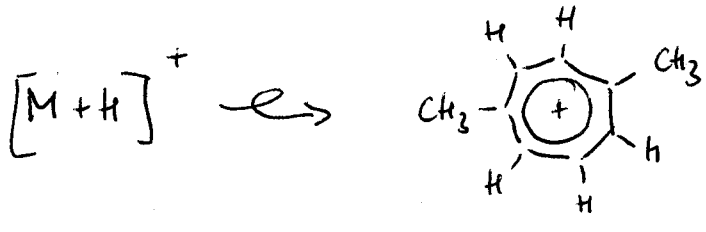
Ionisation: ESI + Quasimolecular ion: 321,2 amu = [M+H]+

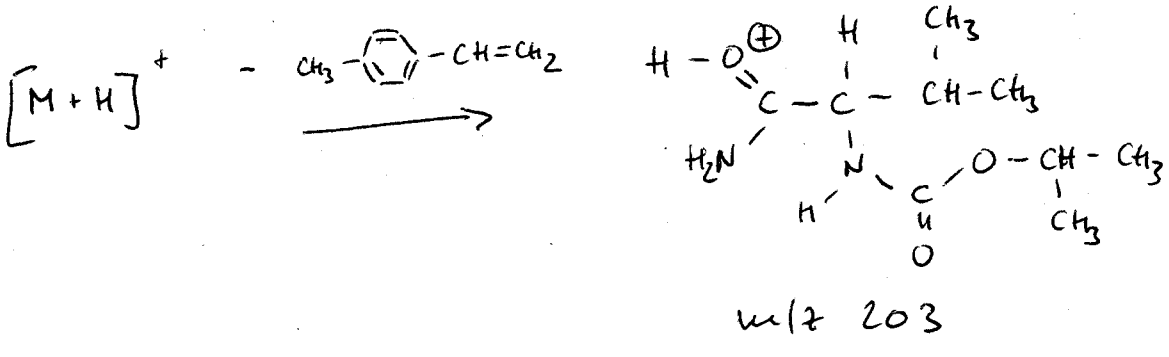
Analyte sensitive parameter set (API 2000)

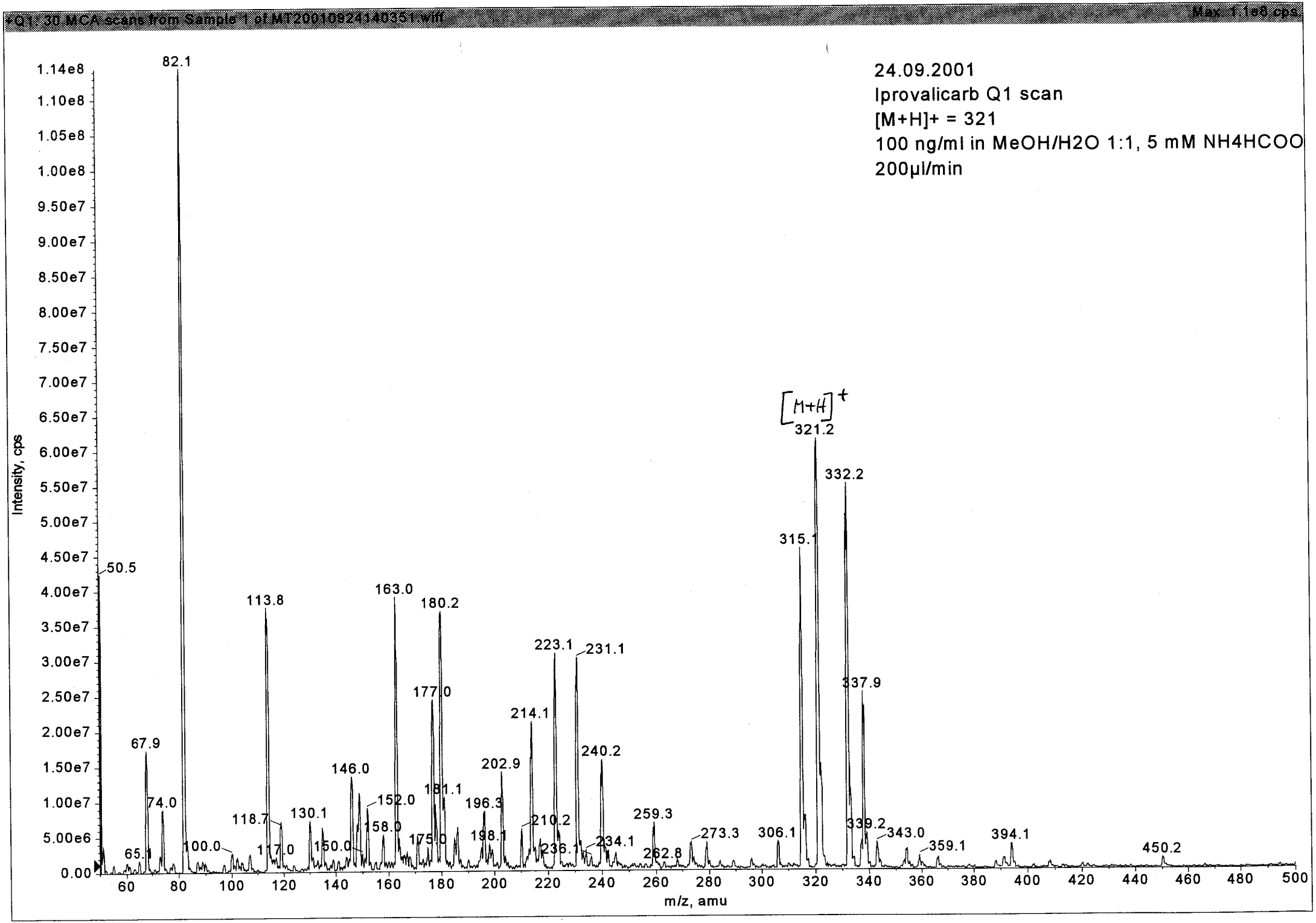
Transition	321,2 → 119,0	321,2 → 202,9
Declustering potential (DP)*)	49 V	49 V
Focusing potential (FP)	360 V	350 V
Entrance potential (EP)	12,0 V	12,0 V
Collision cell entrance potential (CEP)	22 V	22 V
Collision energy (CE)	23 V	13 V
Collision cell exit potential (CXP)	6 V	10 V

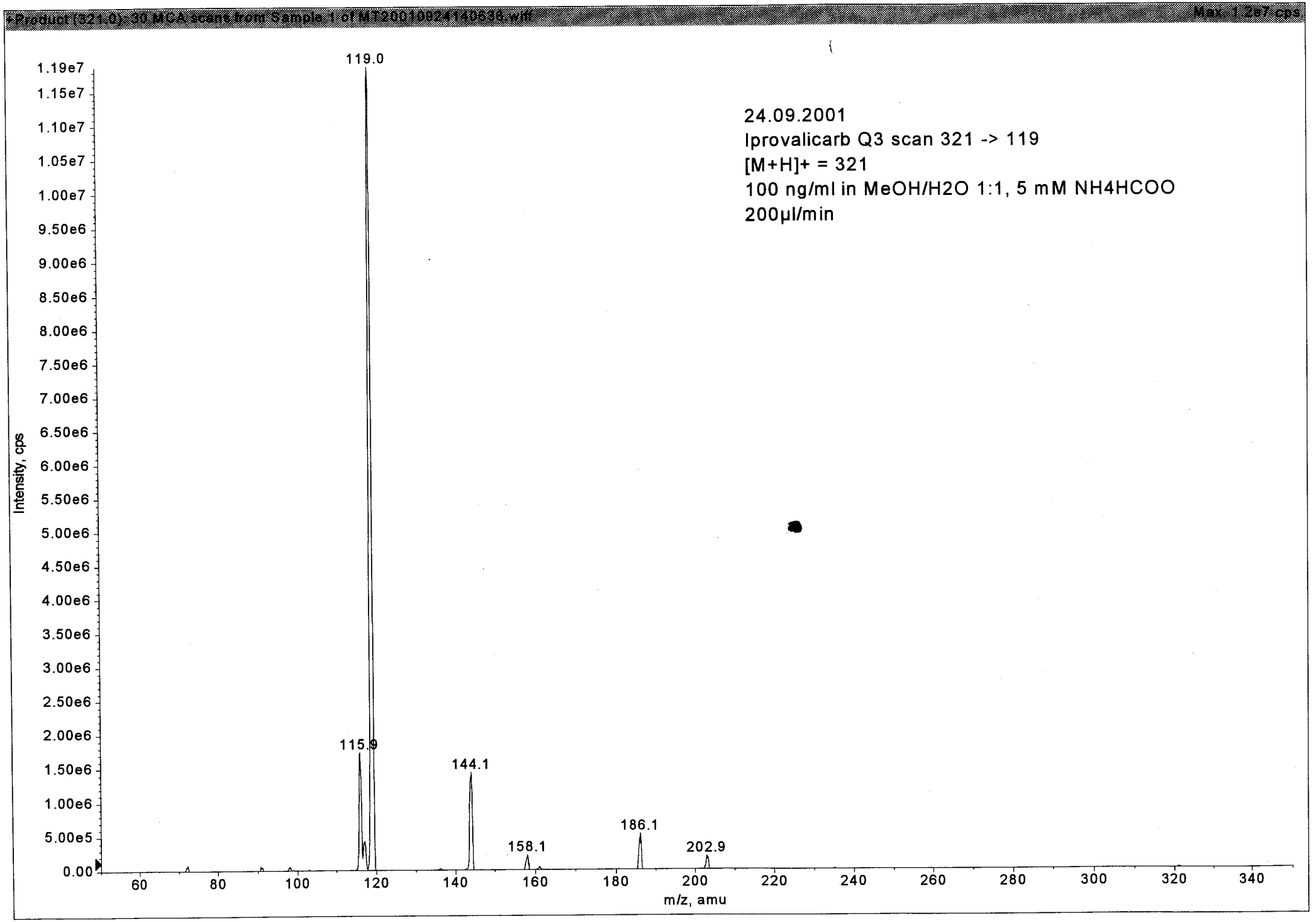
*) For API 3000 and 4000 enhance DP by 20V

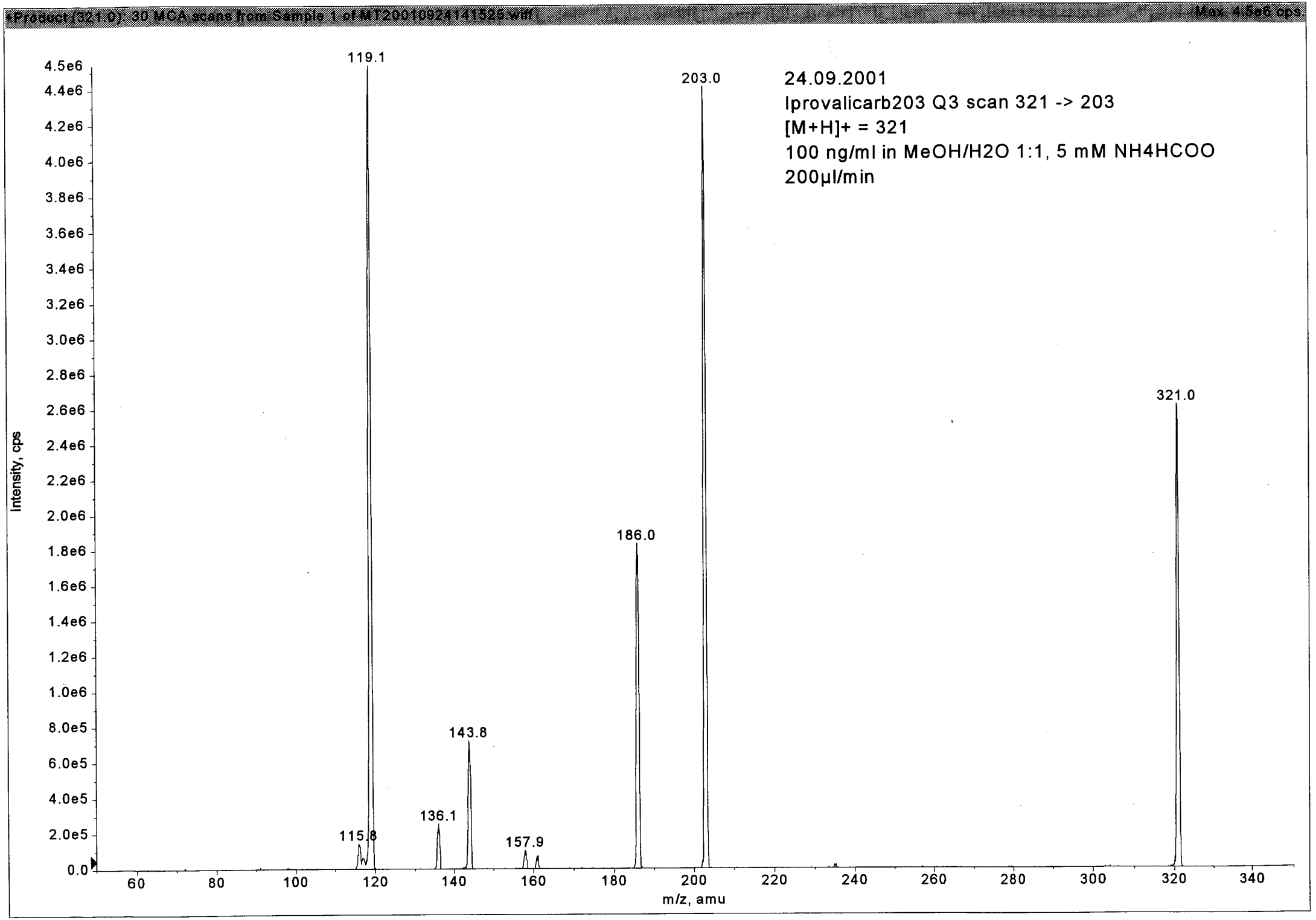
Fragmentation






+Q1: 30 MCA scans from Sample 1 of MT20010924140351.wiff
Max. 1.1e8 cps.
24.09.2001
Iprovalicarb Q1 scan
[M+H]+ = 321
100 ng/ml in MeOH/H2O 1:1, 5 mM NH4HCOO
200µl/min
[M+H]+
Intensity, cps
m/z, amu
82.1
321.2
332.2
315.1
337.9
50.5
113.8
163.0
180.2
223.1
231.1
177.0
214.1
240.2
67.9
146.0
202.9
152.0
181.1
74.0
118.7
130.1
196.3
210.2
259.3
158.0
273.3
306.1
339.2
343.0
394.1
359.1
450.2
65.1
100.0
117.0
150.0
175.0
198.1
236.1
234.1
262.8


+Product (321.0): 30 MCA scans from Sample 1 of MT20010924140636.wiff
Max. 1.2e7 cps
119.0
115.9
144.1
158.1
186.1
202.9
24.09.2001
Iprovalicarb Q3 scan 321 -> 119
[M+H]+ = 321
100 ng/ml in MeOH/H2O 1:1, 5 mM NH4HCOO
200µl/min
Intensity, cps
m/z, amu


Product (321.0): 30 MCA scans from Sample 1 of MT20010924141525.wiff
Max. 4.5e6 cps
24.09.2001
Iprovalicarb203 Q3 scan 321 -> 203
[M+H]+ = 321
100 ng/ml in MeOH/H2O 1:1, 5 mM NH4HCOO
200µl/min
119.1
203.0
321.0
186.0
143.8
136.1
115.8
157.9
Intensity, cps
m/z, amu