

Brazilian Bottlenose Dolphin Blubber

Non-targeted screening of halogenated organic compounds in
bottlenose dolphins (*Tursiops truncatus*) from Rio de Janeiro, Brazil.

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Web Reference: <http://OrgMassSpec.github.io>

Prepared: 2016-07-05 09:04:46
SpecLibDolphin2016 version 0.1-1
OrgMassSpecR version 0.4-4
png version 0.1-7
R version 3.3.0 (2016-05-03)

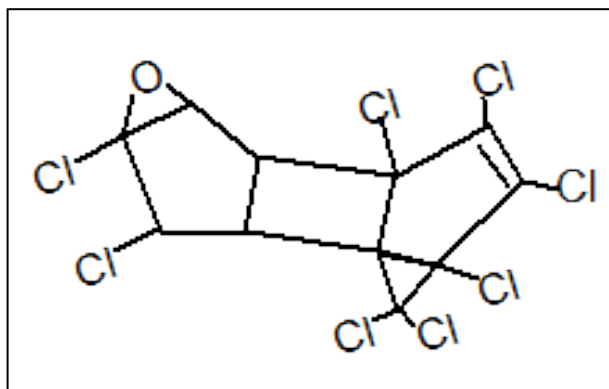
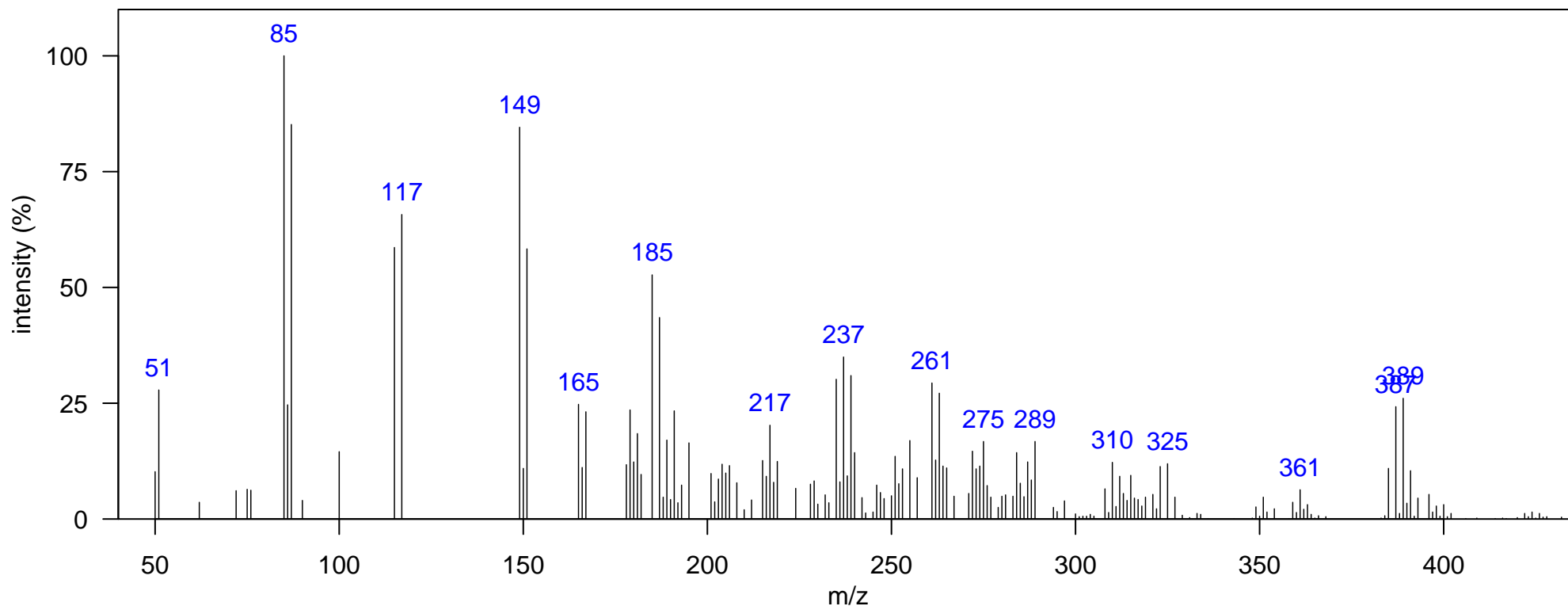
Name: oxychlordane

Class: Chlordane-related

Matrix: South Atlantic Dolphin Blubber
In N. Atlantic: TRUE, In N. Pacific: TRUE
Typically Monitored: TRUE
Comment:

Instrument: GCxGC-TOF, EI, 70 eV
1D RT, 2D RT (s): 1303.1, 0.944
Quantitative Ion m/z: 389

Elemental Formula: C₁₀H₄Cl₈O
Source: anthropogenic
Identification: Reference Database MS



m/z [Fragment]

235 [C₅Cl₅]⁺
261 [C₇H₂Cl₅]⁺
349 [M-HCl₂]⁺
385 [M-Cl]⁺
420 M⁺

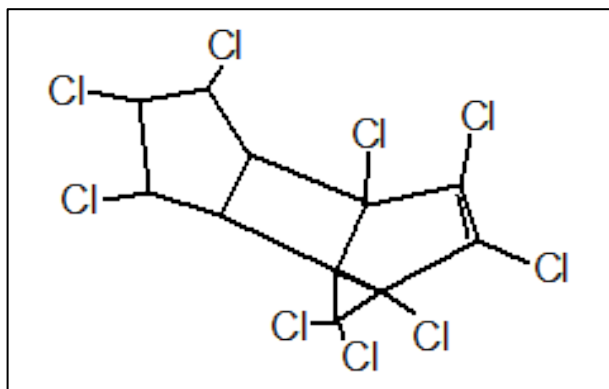
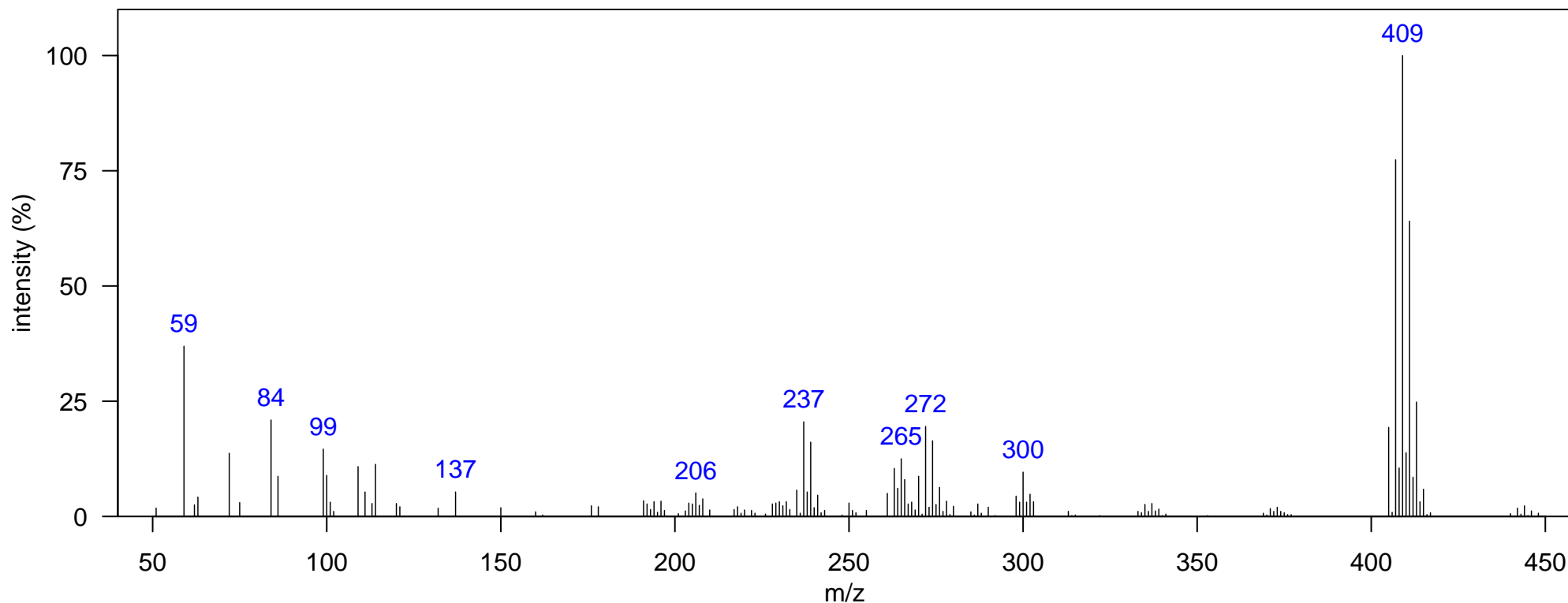
Name: trans nonachlor

Class: Chlordane-related

Matrix: South Atlantic Dolphin Blubber
In N. Atlantic: TRUE, In N. Pacific: TRUE
Typically Monitored: TRUE
Comment:

Instrument: GCxGC-TOF, EI, 70 eV
1D RT, 2D RT (s): 1352.07, 0.95
Quantitative Ion m/z: 409

Elemental Formula: C₁₀H₅Cl₉
Source: anthropogenic
Identification: Authentic MS RT



m/z [Fragment]

261 [M-H₄Cl₅]⁺
409 [M-Cl]⁺

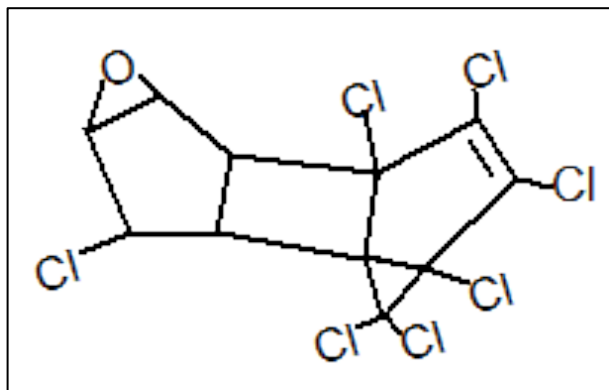
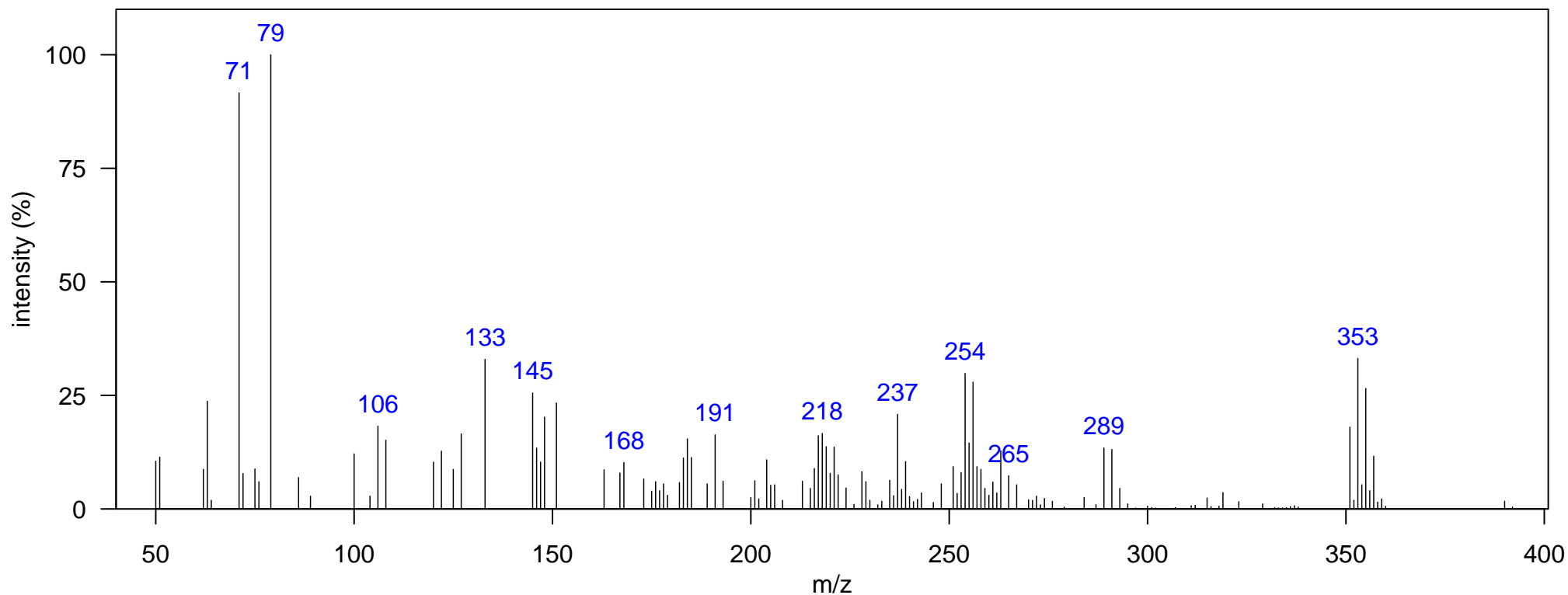
Name: heptachlor epoxide

Class: Heptachlor-related

Matrix: South Atlantic Dolphin Blubber
In N. Atlantic: TRUE, In N. Pacific: TRUE
Typically Monitored: TRUE
Comment:

Instrument: GCxGC-TOF, EI, 70 eV
1D RT, 2D RT (s): 1303.1, 0.97
Quantitative Ion m/z: 353

Elemental Formula: C₁₀H₅Cl₇O
Source: anthropogenic
Identification: Authentic MS RT



m/z [Fragment]

351 [M-Cl]⁺

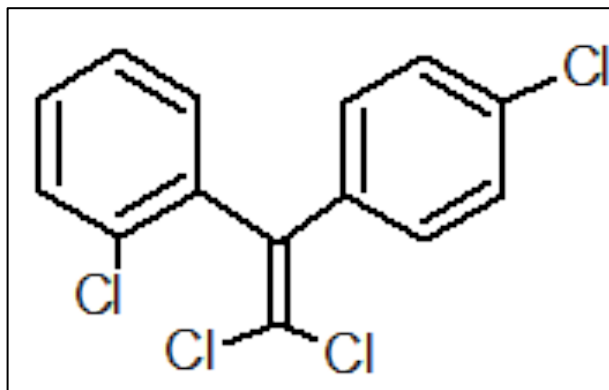
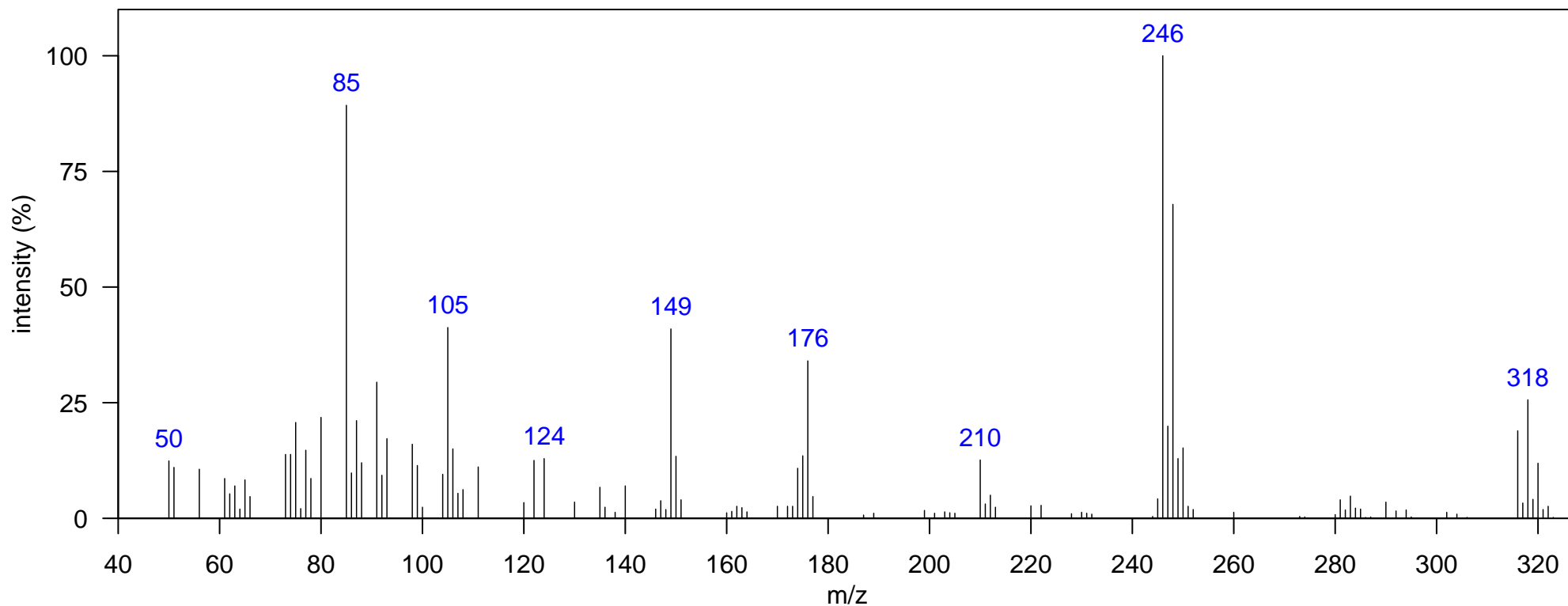
Name: o,p'-DDE

Class: DDT-related

Matrix: South Atlantic Dolphin Blubber
In N. Atlantic: FALSE, In N. Pacific: FALSE
Typically Monitored: TRUE
Comment:

Instrument: GCxGC-TOF, EI, 70 eV
1D RT, 2D RT (s): 1327.58, 0.99
Quantitative Ion m/z: 246

Elemental Formula: C₁₄H₈Cl₄
Source: anthropogenic
Identification: Authentic MS RT



m/z [Fragment]

246 [M-Cl₂]⁺
281 [M-Cl]⁺
316 M⁺

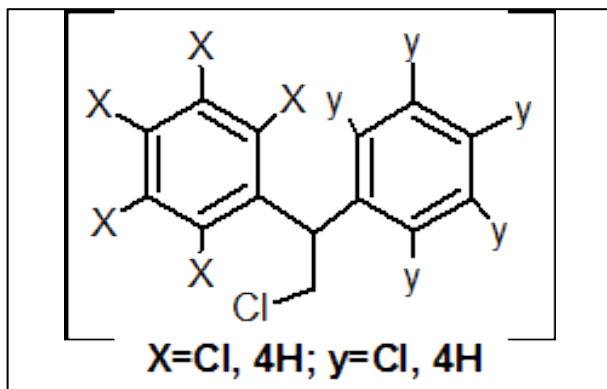
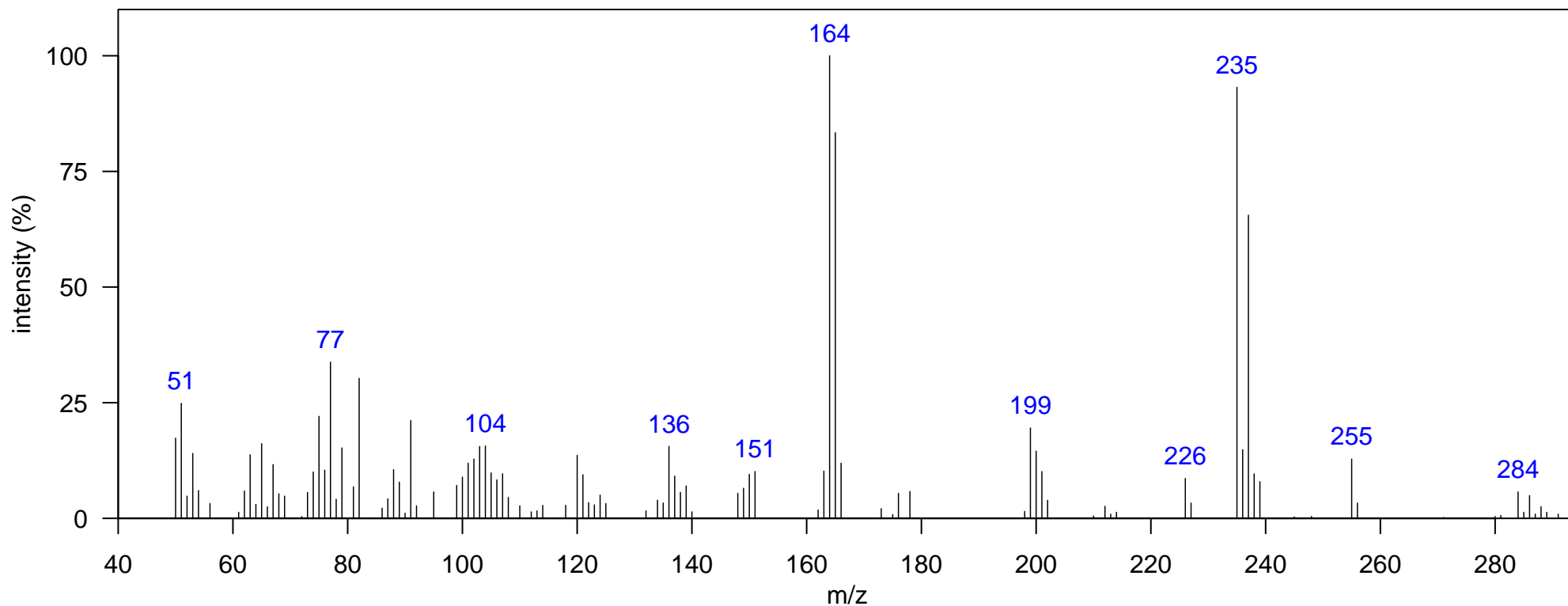
Name: DDT related 1

Class: DDT-related

Matrix: South Atlantic Dolphin Blubber
In N. Atlantic: TRUE, In N. Pacific: TRUE
Typically Monitored: FALSE
Comment: DDT related 13 (Pacific Library)

Instrument: GCxGC-TOF, EI, 70 eV
1D RT, 2D RT (s): 1348.57, 0.997
Quantitative Ion m/z: 235

Elemental Formula: C₁₄H₁₁Cl₃
Source: anthropogenic
Identification: Reference Database MS



m/z [Fragment]
235 [M-CH ₂ Cl] ⁺
284 M ⁺

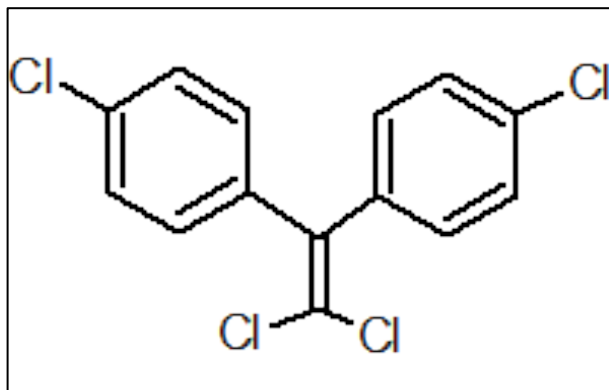
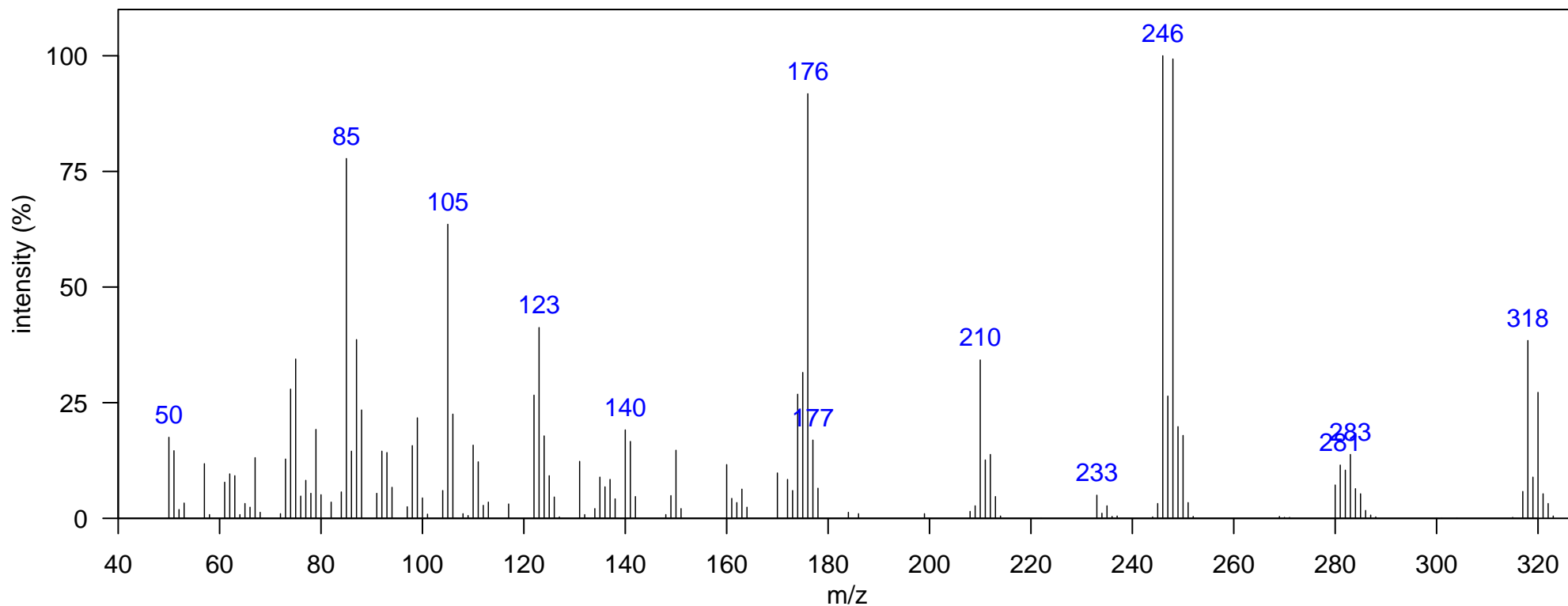
Name: p,p'-DDE

Class: DDT-related

Matrix: South Atlantic Dolphin Blubber
In N. Atlantic: TRUE, In N. Pacific: FALSE
Typically Monitored: TRUE
Comment:

Instrument: GCxGC-TOF, EI, 70 eV
1D RT, 2D RT (s): 1362.56, 1.01
Quantitative Ion m/z: 246

Elemental Formula: C₁₄H₈Cl₄
Source: anthropogenic
Identification: Authentic MS RT



m/z [Fragment]

246 [M-CHCl₂]⁺

316 M⁺

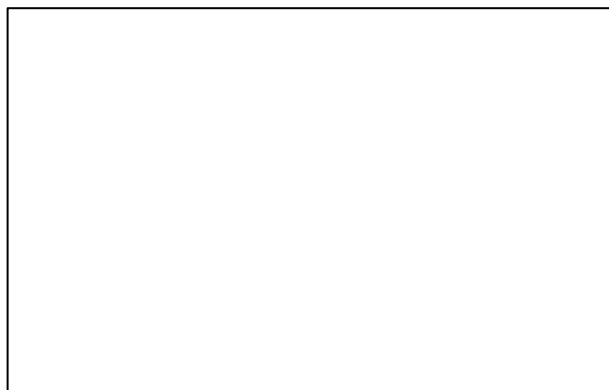
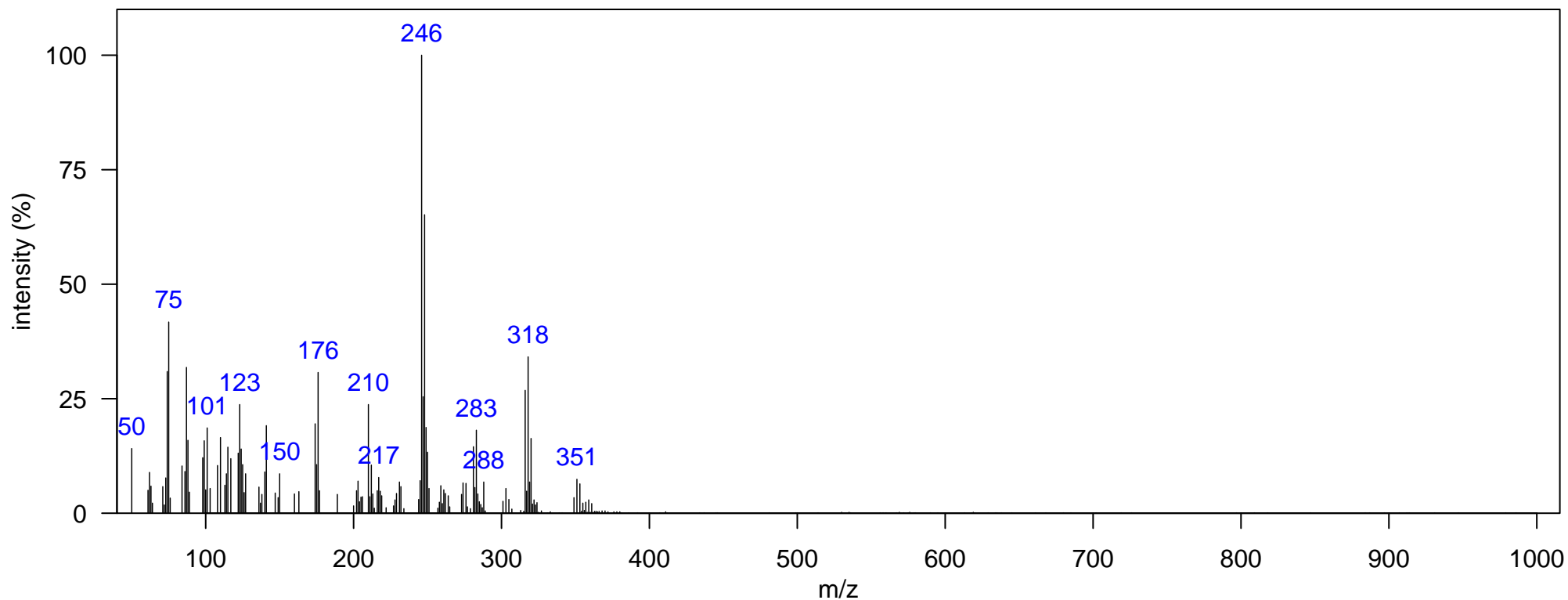
Name: DDT related 2

Class: DDT-related

Matrix: South Atlantic Dolphin Blubber
In N. Atlantic: TRUE, In N. Pacific: FALSE
Typically Monitored: FALSE
Comment: Suggested DDE isomer

Instrument: GCxGC-TOF, EI, 70 eV
1D RT, 2D RT (s): 1380.05, 0.977
Quantitative Ion m/z: 246

Elemental Formula:
Source: anthropogenic
Identification: Manual



m/z [Fragment]
246 [M-CHCl ₂] ⁺
281 [M-Cl] ⁺
316 M ⁺

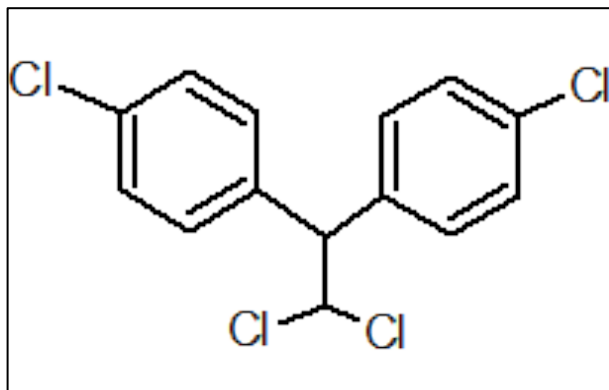
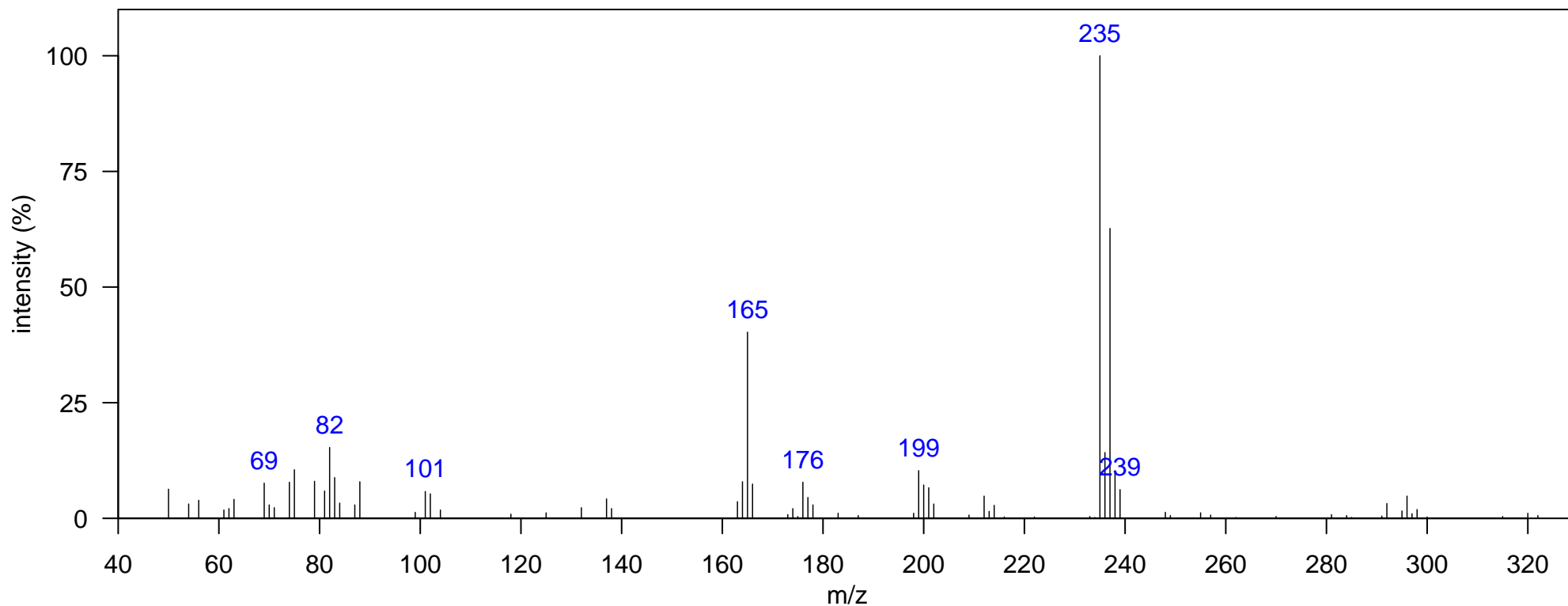
Name: p,p'-DDD

Class: DDT-related

Matrix: South Atlantic Dolphin Blubber
In N. Atlantic: TRUE, In N. Pacific: TRUE
Typically Monitored: TRUE
Comment:

Instrument: GCxGC-TOF, EI, 70 eV
1D RT, 2D RT (s): 1411.54, 1.082
Quantitative Ion m/z: 237

Elemental Formula: C₁₄H₁₀Cl₄
Source: anthropogenic
Identification: Authentic MS RT

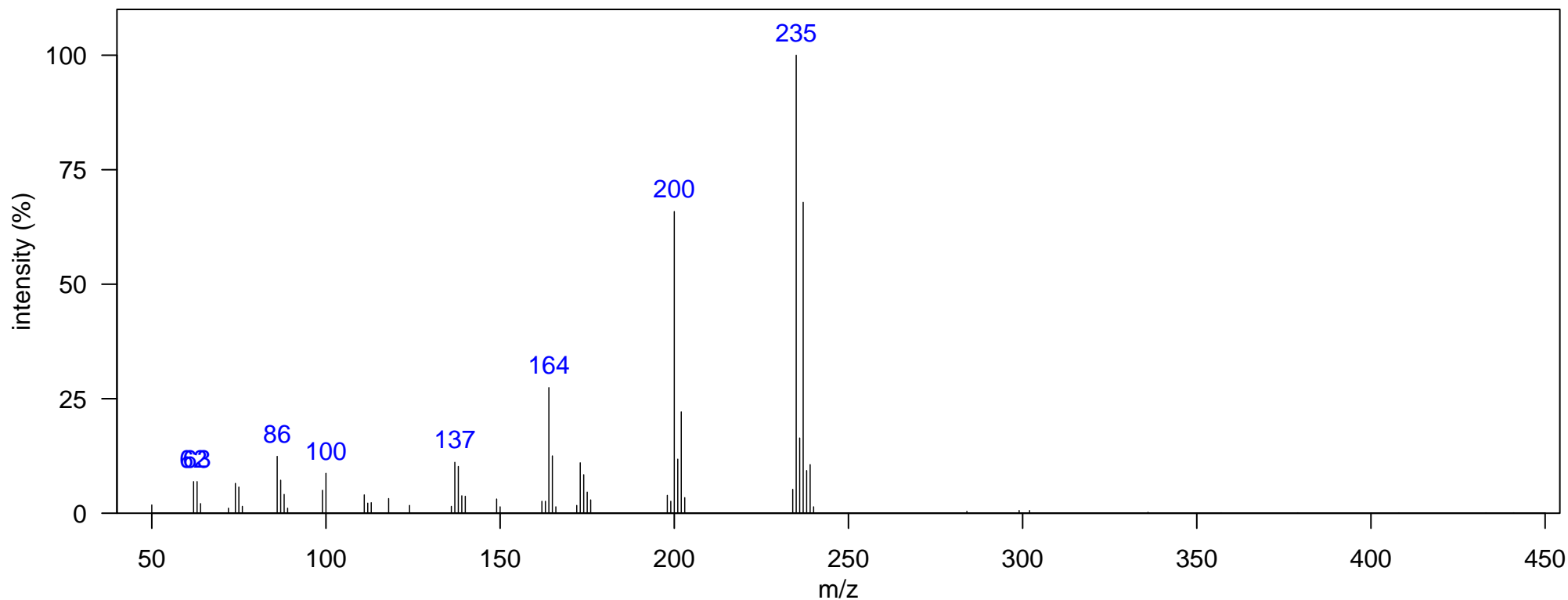


m/z [Fragment]
235 [M-CHCl ₂] ⁺

Class: DDT-related

Instrument: GCxGC-TOF, EI, 70 eV
1D RT, 2D RT (s): 1460.51, 1.195
Quantitative Ion m/z: 235

Elemental Formula:
Source: anthropogenic
Identification: Reference Database MS

[illegible]

m/z [Fragment]

Name: DDT related 4

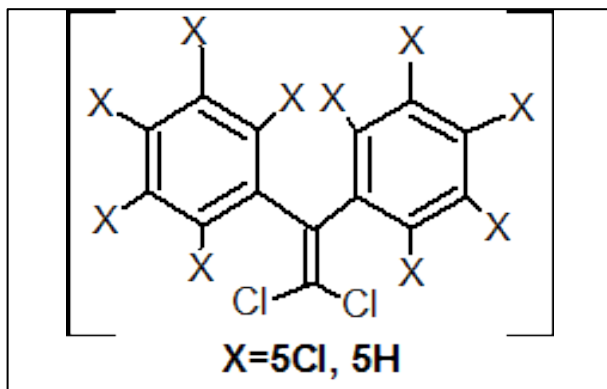
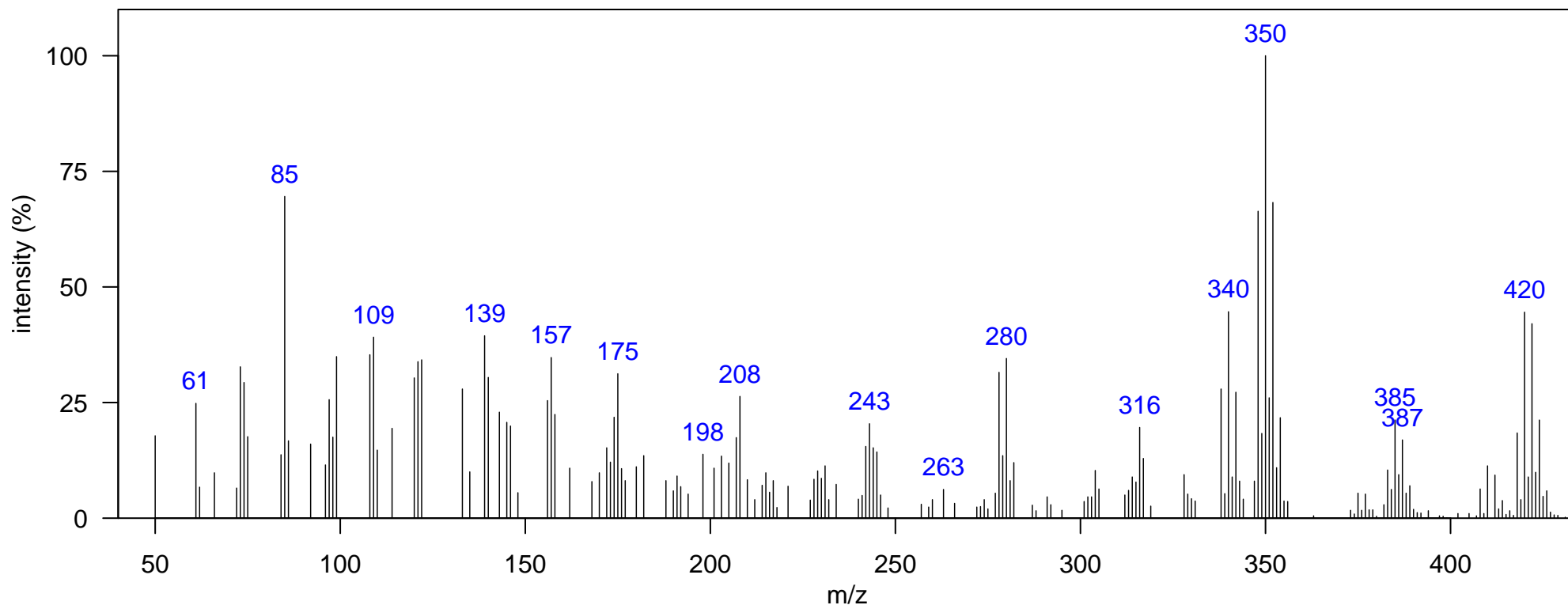
Class: DDT-related

Matrix: South Atlantic Dolphin Blubber
In N. Atlantic: TRUE, In N. Pacific: TRUE
Typically Monitored: FALSE

Instrument: GCxGC-TOF, EI, 70 eV
1D RT, 2D RT (s): 1544.46, 1.102
Quantitative Ion m/z: 420

Elemental Formula: C₁₄H₅Cl₇
Source: anthropogenic
Identification: Manual-Congener Group

Comment: DDT related 18 (Pacific Library). Suggested DDE backbone structure, but containing 7 chlorines



m/z [Fragment]
278 [M-Cl ₄] ⁺
348 [M-Cl ₂] ⁺
383 [M-Cl] ⁺
418 M ⁺

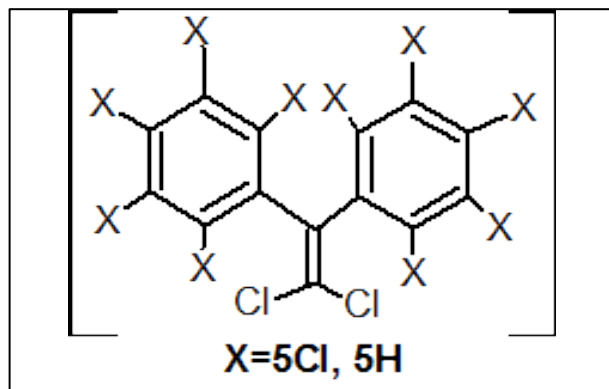
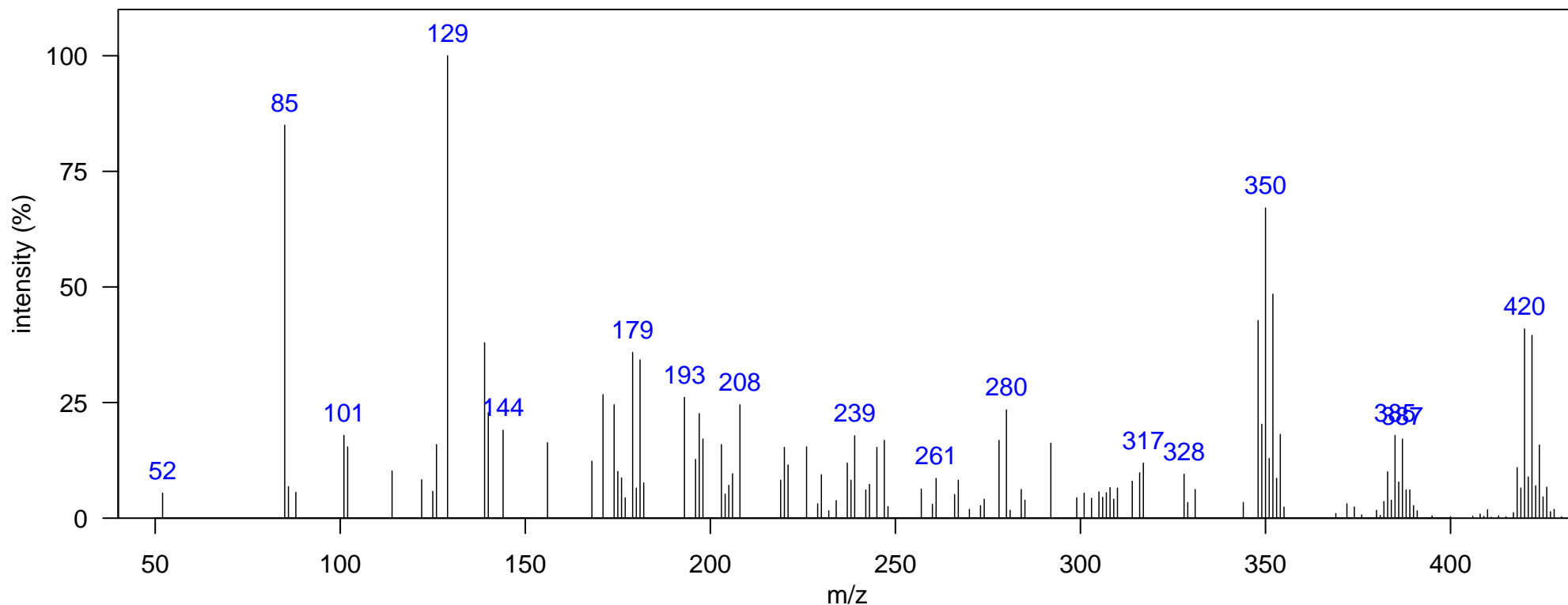
Name: DDT related 5

Class: DDT-related

Matrix: South Atlantic Dolphin Blubber
In N. Atlantic: FALSE, In N. Pacific: FALSE
Typically Monitored: FALSE
Comment: Suggested DDE backbone structure, but containing 7 chlorines

Instrument: GCxGC-TOF, EI, 70 eV
1D RT, 2D RT (s): 1554.95, 1.142
Quantitative Ion m/z: 420

Elemental Formula: C₁₄H₅Cl₇
Source: anthropogenic
Identification: Manual-Congener Group



m/z [Fragment]

278 [M-Cl₄]⁺
348 [M-Cl₂]⁺
383 [M-Cl]⁺
418 M⁺

Name: DDT related 6

Class: DDT-related

Matrix: South Atlantic Dolphin Blubber

In N. Atlantic: TRUE, In N. Pacific: TRUE

Typically Monitored: FALSE

Comment: DDT related 19 (Pacific Library). Suggested DDE backbone structure, but containing 7 chlorines

Instrument: GCxGC-TOF, EI, 70 eV

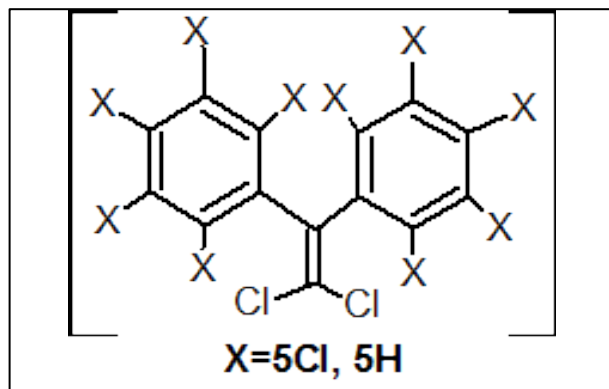
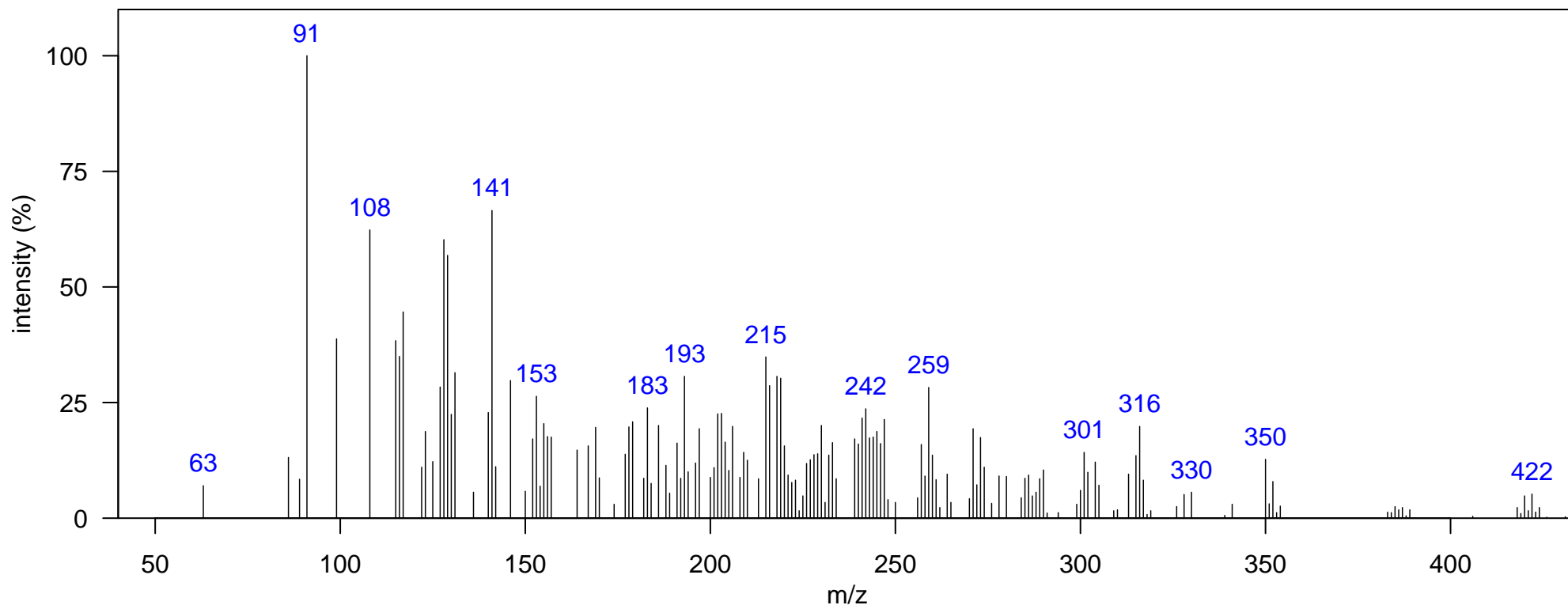
1D RT, 2D RT (s): 1558.45, 1.155

Quantitative Ion m/z: 420

Elemental Formula: C₁₄H₅Cl₇

Source: anthropogenic

Identification: Manual-Congener Group



m/z [Fragment]

278 [M-Cl₄]⁺

348 [M-Cl₂]⁺

383 [M-Cl]⁺

418 M⁺

Name: DDT related 7

Class: DDT-related

Matrix: South Atlantic Dolphin Blubber

Instrument: GCxGC-TOF, EI, 70 eV

Elemental Formula: C₁₄H₅Cl₇

In N. Atlantic: FALSE, In N. Pacific: TRUE

1D RT, 2D RT (s): 1582.94, 1.188

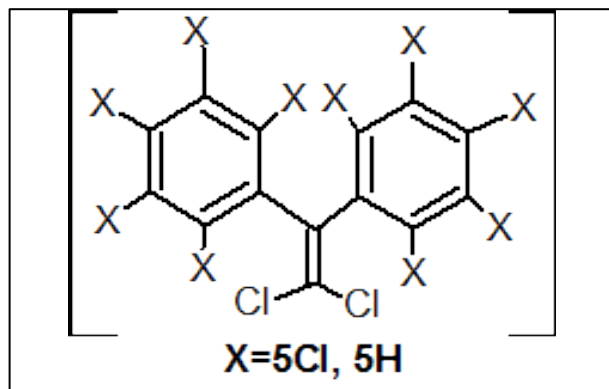
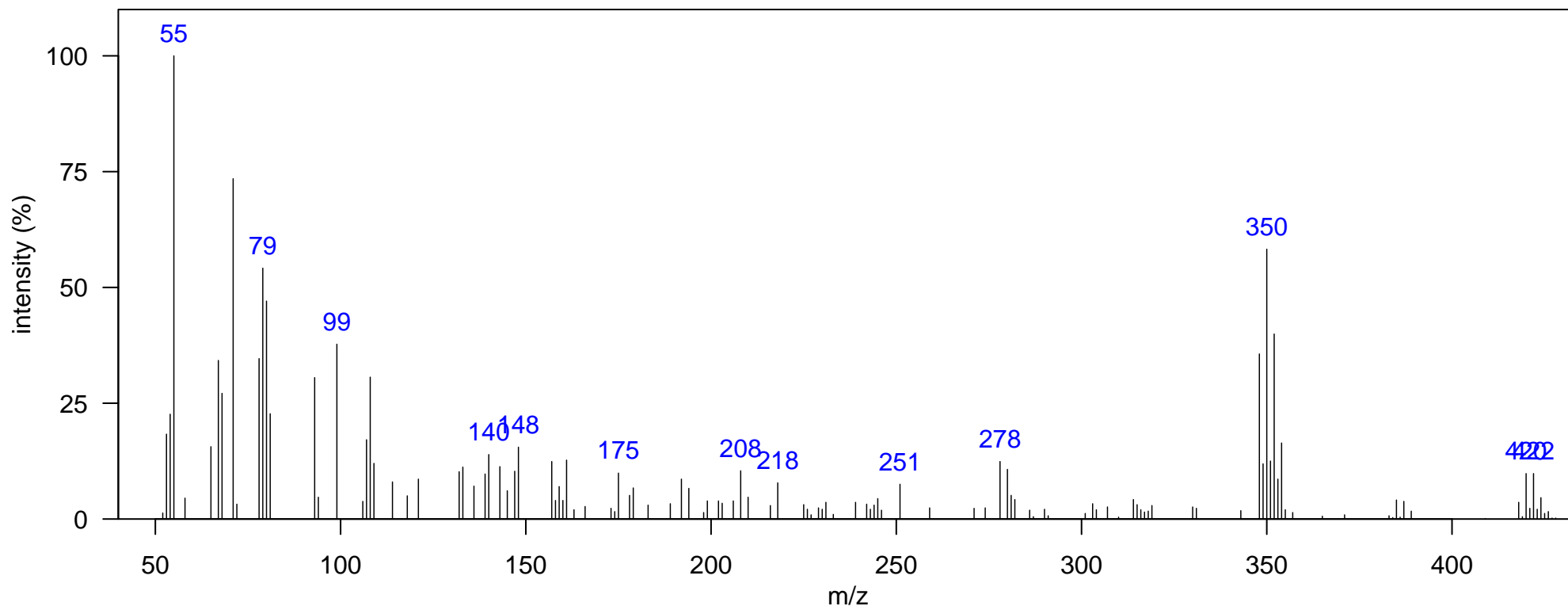
Source: anthropogenic

Typically Monitored: FALSE

Quantitative Ion m/z: 350

Identification: Manual-Congener Group

Comment: DDT related 20 (Pacific Library). Suggested DDE backbone structure, but containing 7 chlorines



m/z [Fragment]

278 [M-Cl₄]⁺

348 [M-Cl₂]⁺

383 [M-Cl]⁺

418 M⁺

Name: DDT related 8

Class: DDT-related

Matrix: South Atlantic Dolphin Blubber

Instrument: GCxGC-TOF, EI, 70 eV

Elemental Formula: C₁₄H₄Cl₈

In N. Atlantic: FALSE, In N. Pacific: TRUE

1D RT, 2D RT (s): 1656.4, 1.379

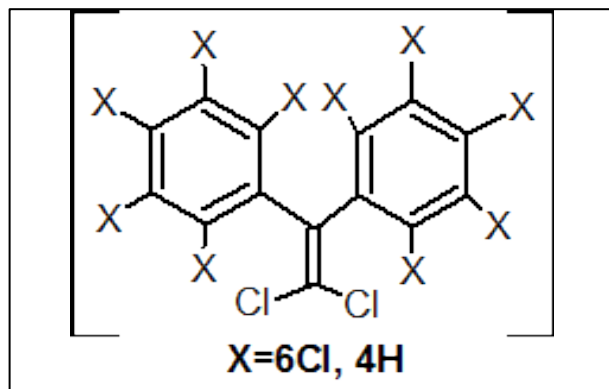
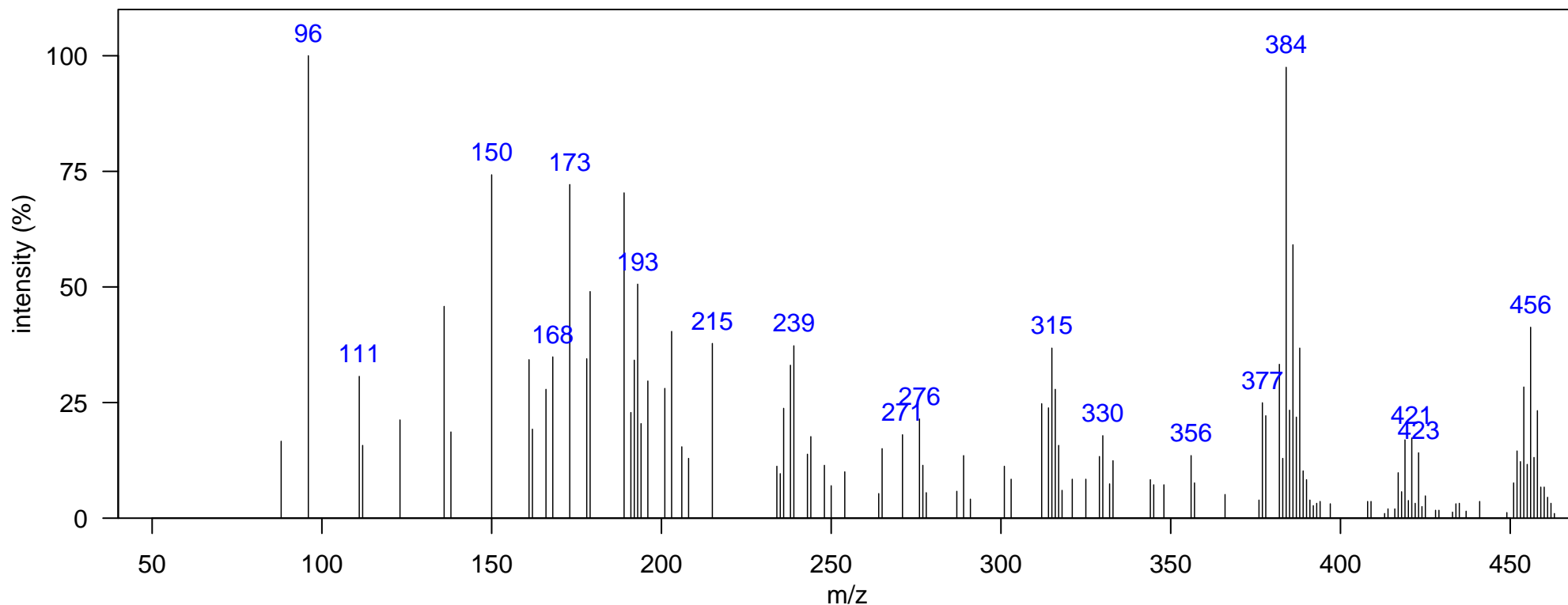
Source: anthropogenic

Typically Monitored: FALSE

Quantitative Ion m/z: 456

Identification: Manual-Congener Group

Comment: DDT related 23 (Pacific Library). Suggested DDE backbone



m/z [Fragment]

382 [M-Cl₂]⁺

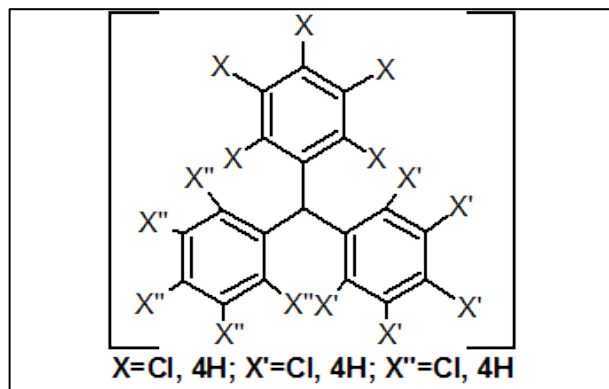
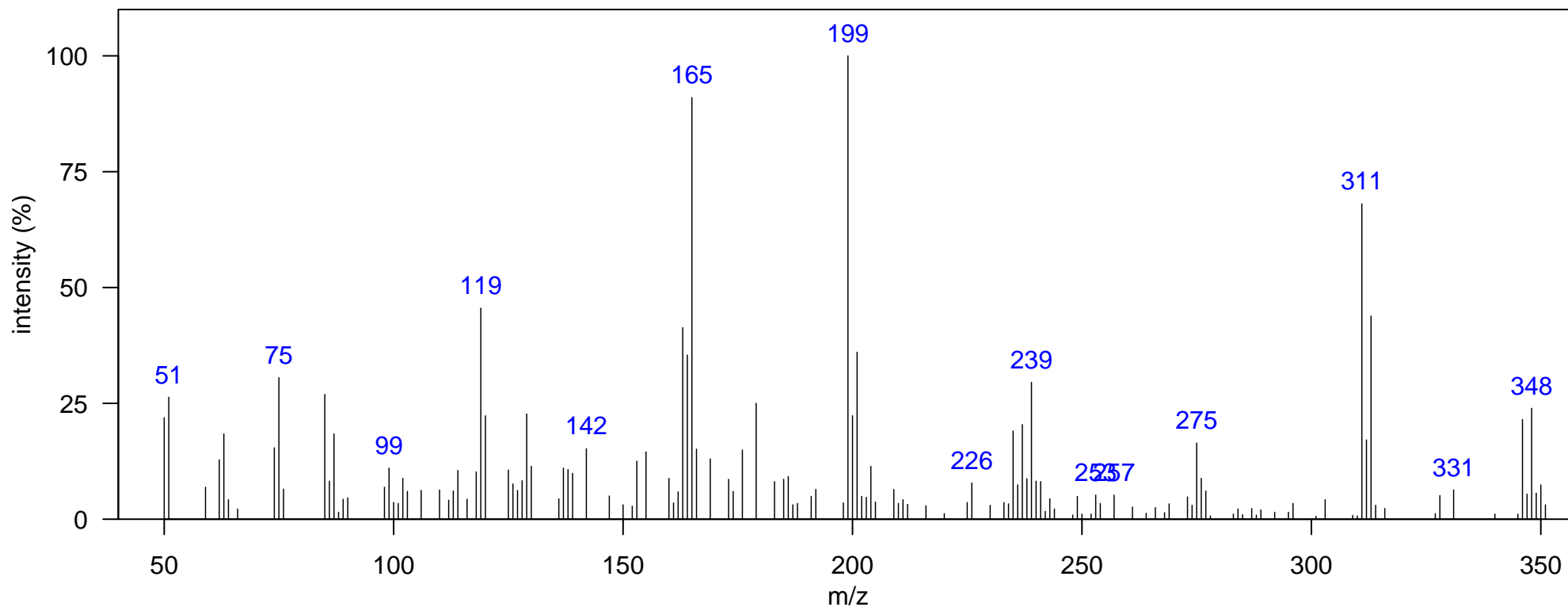
417 [M-Cl]⁺

452 M⁺

Matrix: South Atlantic Dolphin Blubber
In N. Atlantic: TRUE, In N. Pacific: TRUE
Typically Monitored: FALSE
Comment: TCPM 5 (Pacific Library)

Instrument: GCxGC-TOF, EI, 70 eV
1D RT, 2D RT (s): 1554.95, 1.195
Quantitative Ion m/z: 311

Elemental Formula: C₁₉H₁₃Cl₃
Source: anthropogenic
Identification: Authentic MS



m/z [Fragment]

275 [M-HCl₂]⁺
311 [M-Cl]⁺
346 M⁺

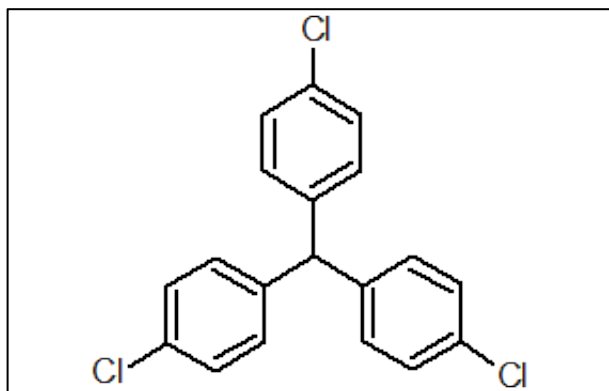
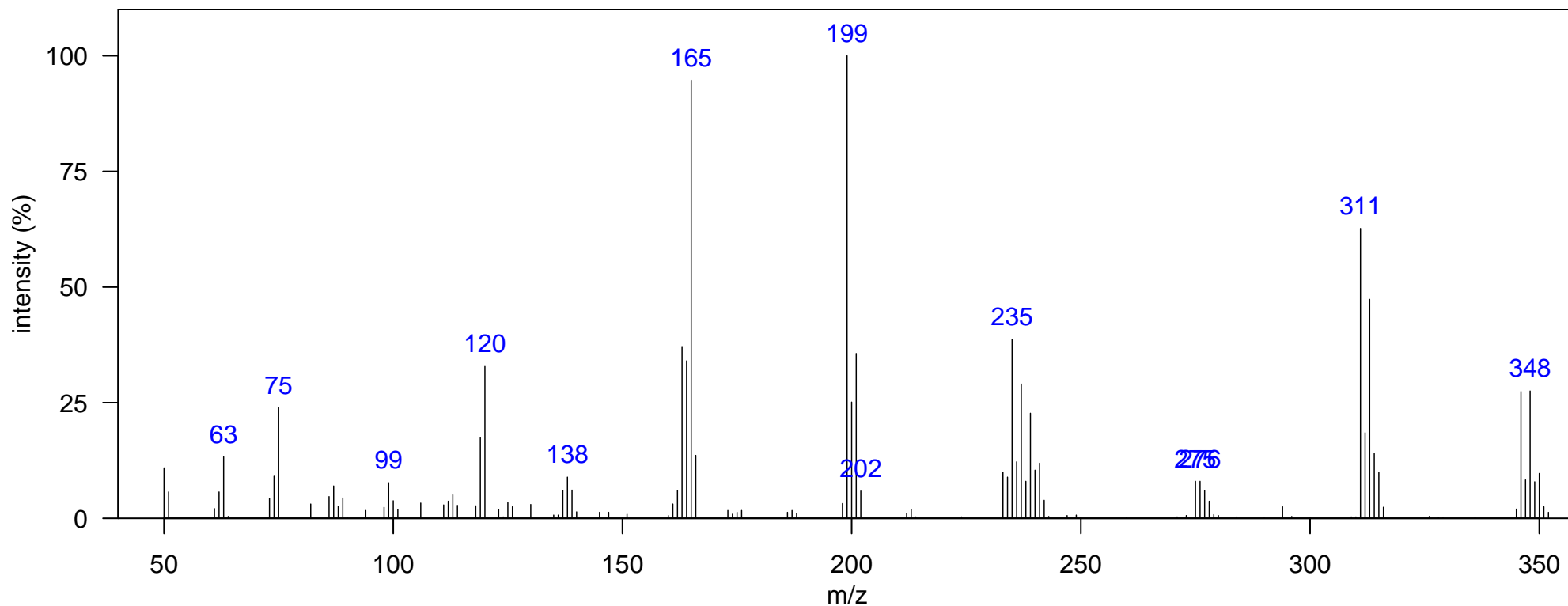
Name: Tris(4-chlorophenyl)methane (TCPM)

Class: TCPM

Matrix: South Atlantic Dolphin Blubber
In N. Atlantic: TRUE, In N. Pacific: TRUE
Typically Monitored: FALSE
Comment:

Instrument: GCxGC-TOF, EI, 70 eV
1D RT, 2D RT (s): 1596.93, 1.28
Quantitative Ion m/z: 311

Elemental Formula: C₁₉H₁₃Cl₃
Source: anthropogenic
Identification: Authentic MS RT



m/z [Fragment]

275 [M-HCl₂]⁺
311 [M-Cl]⁺
346 M⁺

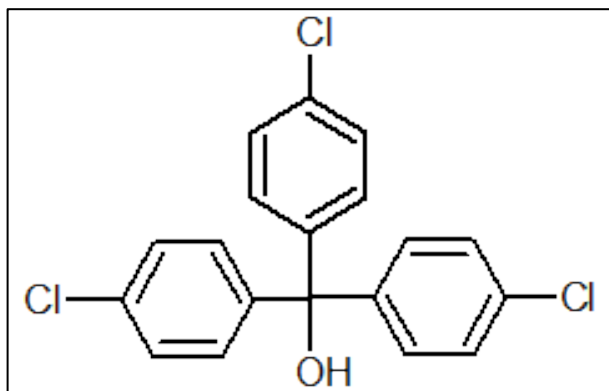
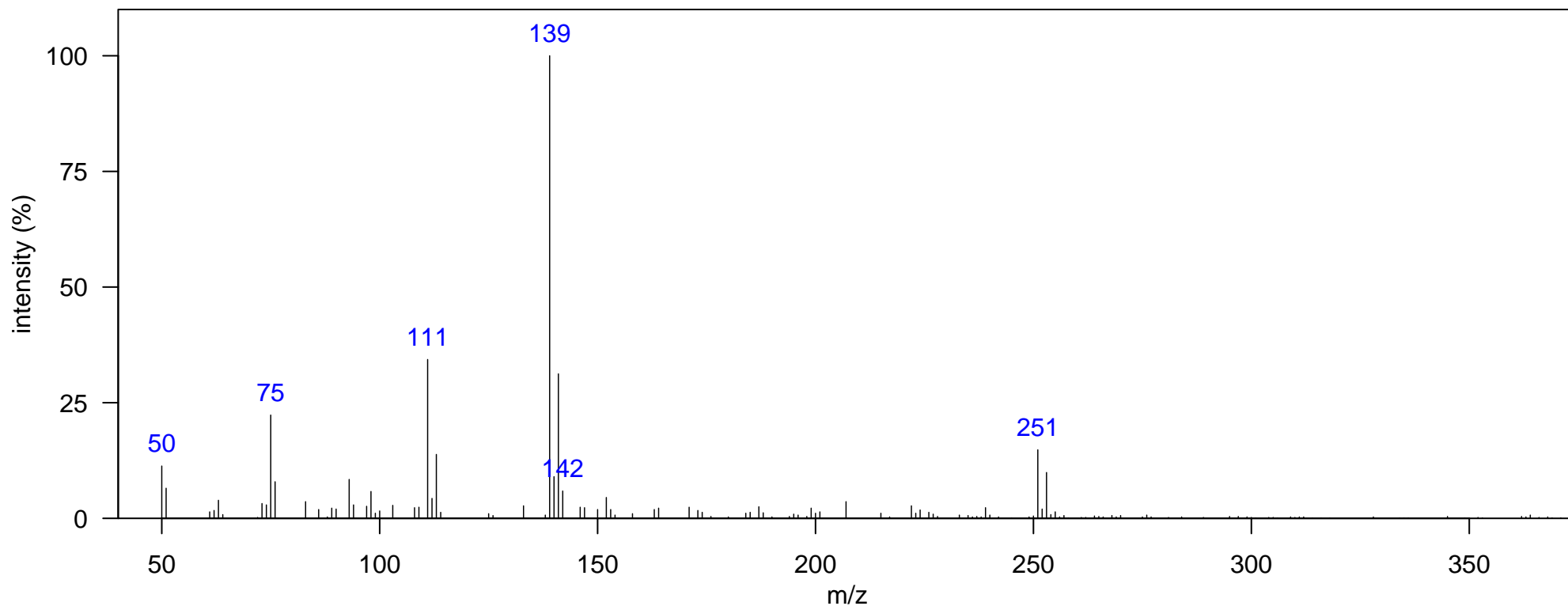
Name: Tris(4-chlorophenyl)methanol (TCPMOH)

Class: TCPMOH

Matrix: South Atlantic Dolphin Blubber
In N. Atlantic: TRUE, In N. Pacific: TRUE
Typically Monitored: FALSE
Comment:

Instrument: GCxGC-TOF, EI, 70 eV
1D RT, 2D RT (s): 1677.38, 1.538
Quantitative Ion m/z: 139

Elemental Formula: C₁₉H₁₃Cl₃O
Source: anthropogenic
Identification: Authentic MS RT



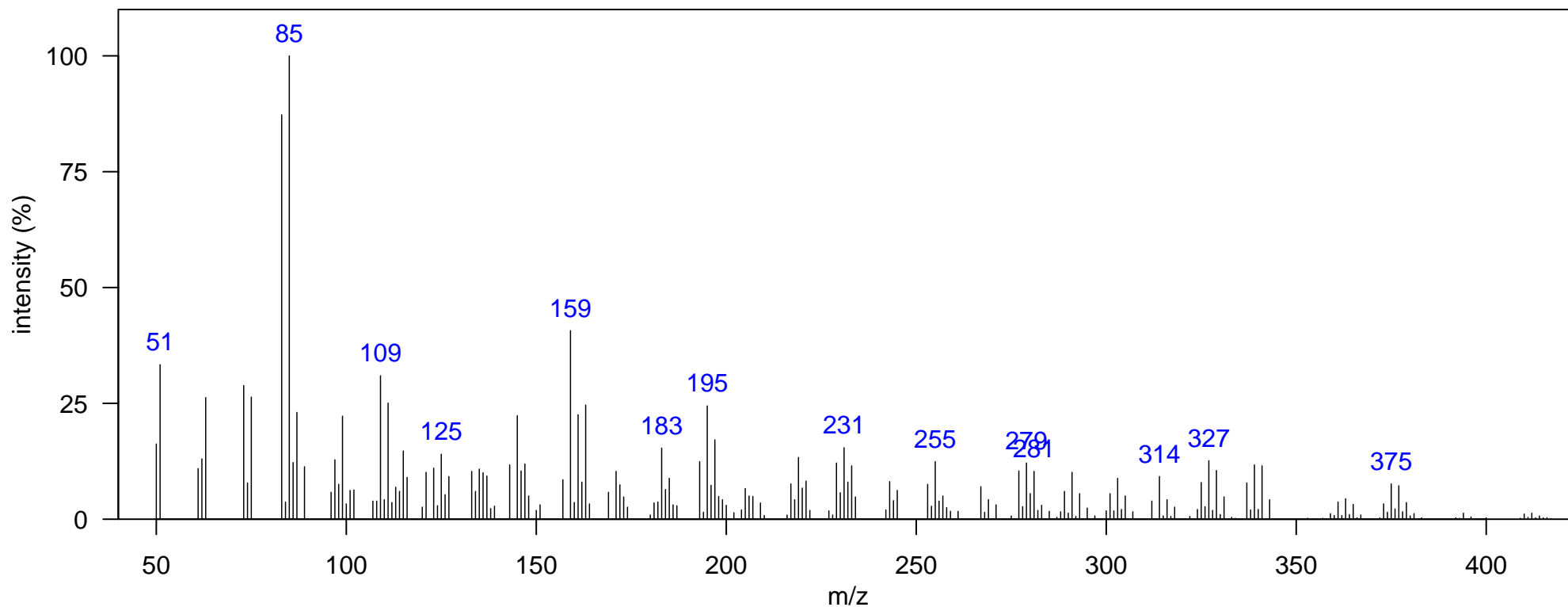
m/z [Fragment]

Class: Toxaphene

Matrix: South Atlantic Dolphin Blubber
In N. Atlantic: TRUE, In N. Pacific: TRUE
Typically Monitored: TRUE
Comment: toxaphene 17 (Pacific Library)

Instrument: GCxGC-TOF, EI, 70 eV
1D RT, 2D RT (s): 1491.99, 1.043
Quantitative Ion m/z: 339

Elemental Formula: C10H8Cl8
Source: anthropogenic
Identification: Authentic MS RT

[illegible]

m/z [Fragment]

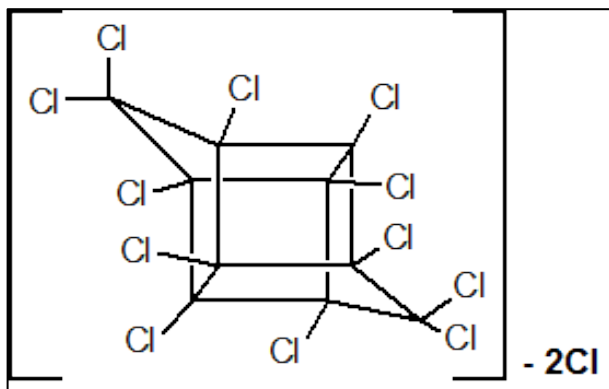
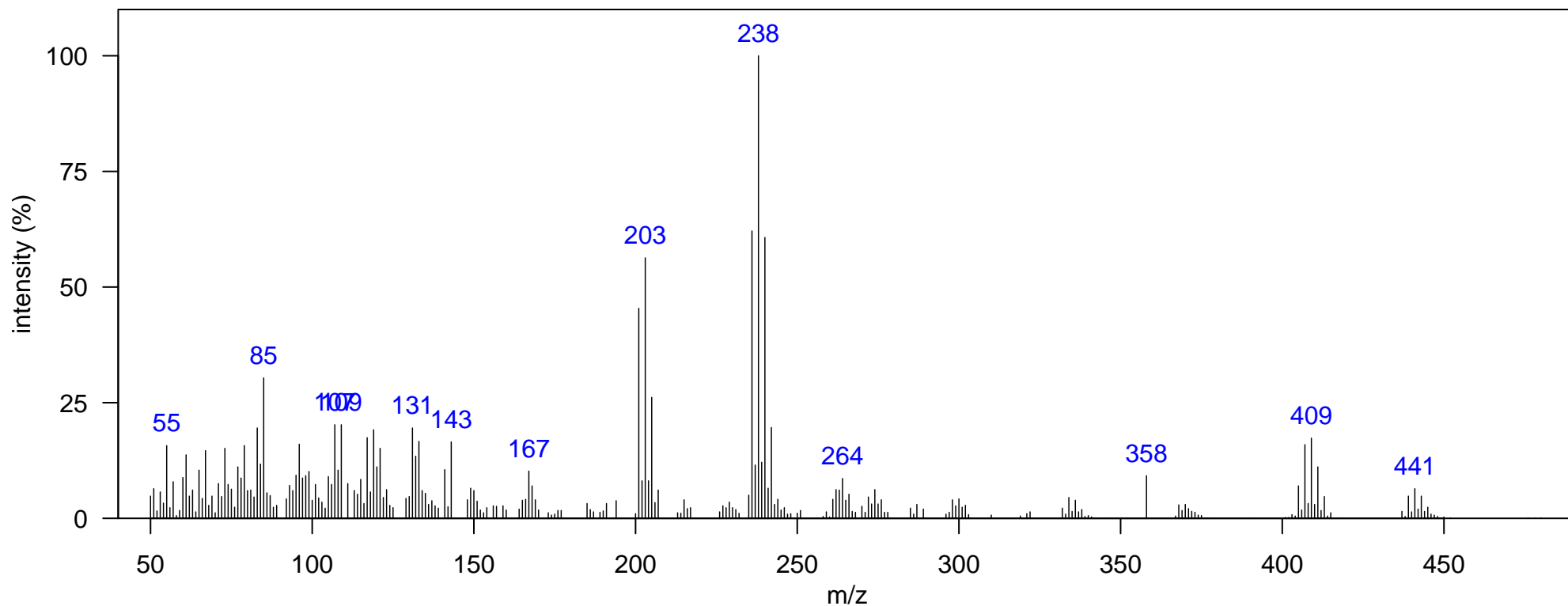
Name: mirex 2Cl 1

Class: Mirex-related

Matrix: South Atlantic Dolphin Blubber
In N. Atlantic: FALSE, In N. Pacific: FALSE
Typically Monitored: FALSE
Comment:

Instrument: GCxGC-TOF, EI, 70 eV
1D RT, 2D RT (s): 1418.53, 1.016
Quantitative Ion m/z: 441

Elemental Formula: C₁₀H₂Cl₁₀
Source: anthropogenic
Identification: Manual-Congener Group



m/z [Fragment]
437 [M-Cl] ⁺

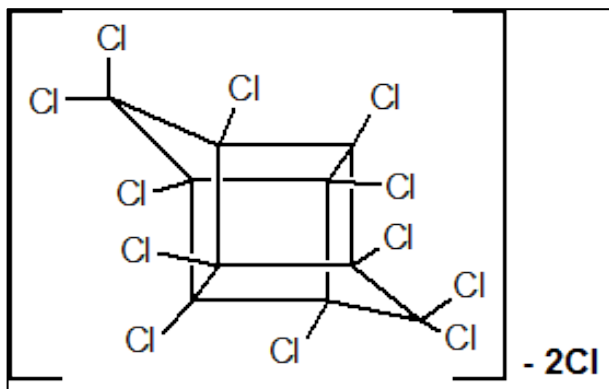
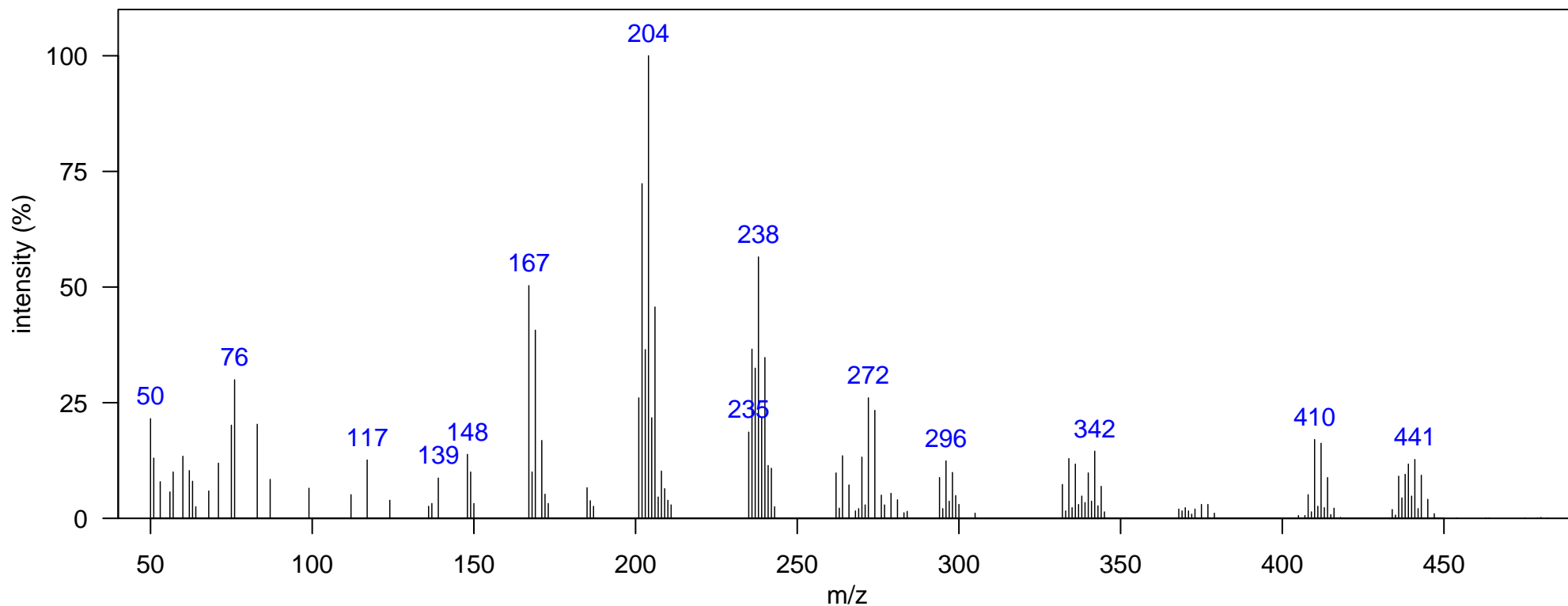
Name: mirex 2Cl 2

Class: Mirex-related

Matrix: South Atlantic Dolphin Blubber
In N. Atlantic: FALSE, In N. Pacific: FALSE
Typically Monitored: FALSE
Comment:

Instrument: GCxGC-TOF, EI, 70 eV
1D RT, 2D RT (s): 1460.51, 1.063
Quantitative Ion m/z: 441

Elemental Formula: C₁₀H₂Cl₁₀
Source: anthropogenic
Identification: Manual-Congener Group



m/z [Fragment]
437 [M-Cl] ⁺

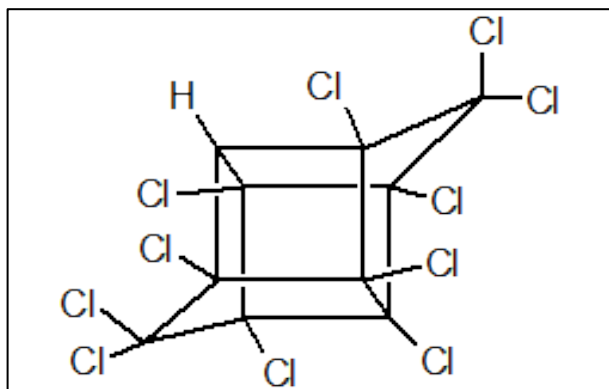
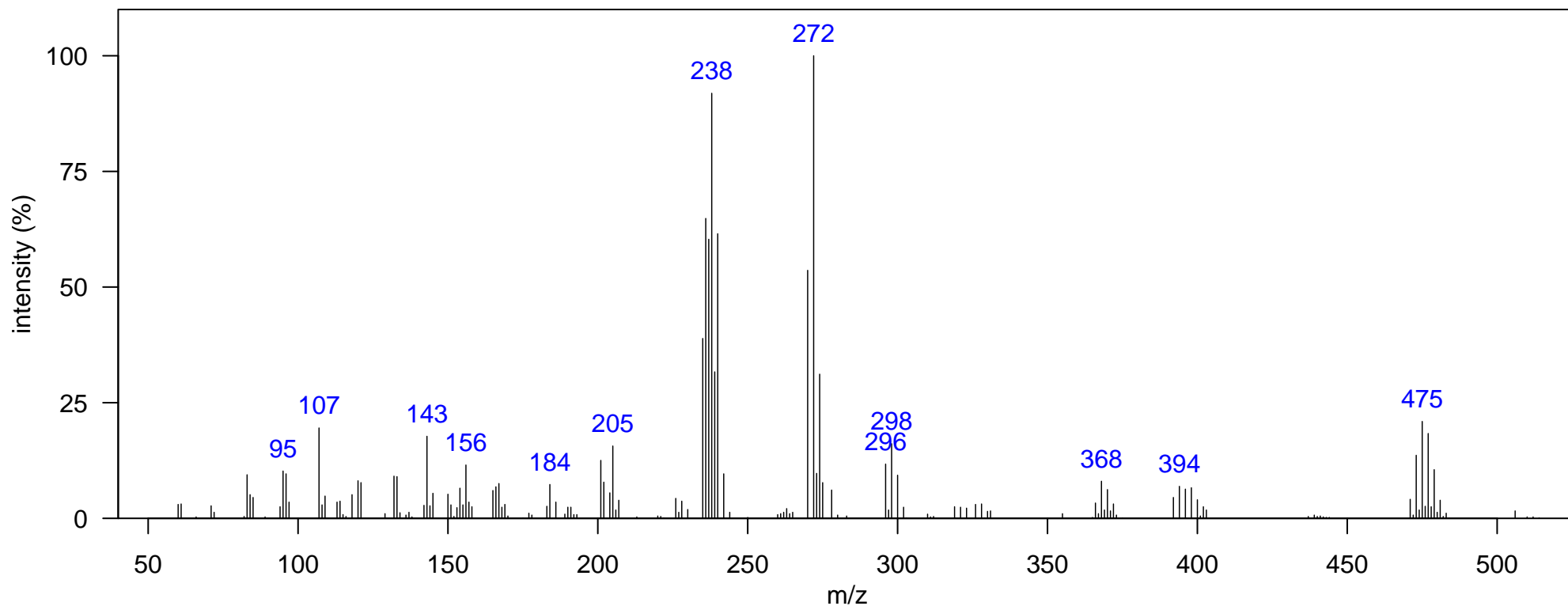
Name: photomirex

Class: Mirex-related

Matrix: South Atlantic Dolphin Blubber
In N. Atlantic: TRUE, In N. Pacific: TRUE
Typically Monitored: FALSE
Comment: mirex 1Cl (Pacific Library)

Instrument: GCxGC-TOF, EI, 70 eV
1D RT, 2D RT (s): 1495.49, 1.082
Quantitative Ion m/z: 475

Elemental Formula: C₁₀HCl₁₁
Source: anthropogenic
Identification: Authentic MS RT



m/z [Fragment]

270 [C₅Cl₆]⁺
366 [M-Cl₄]
471 [M-Cl]⁺

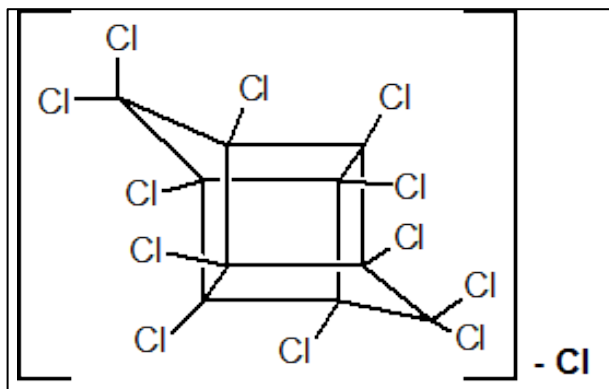
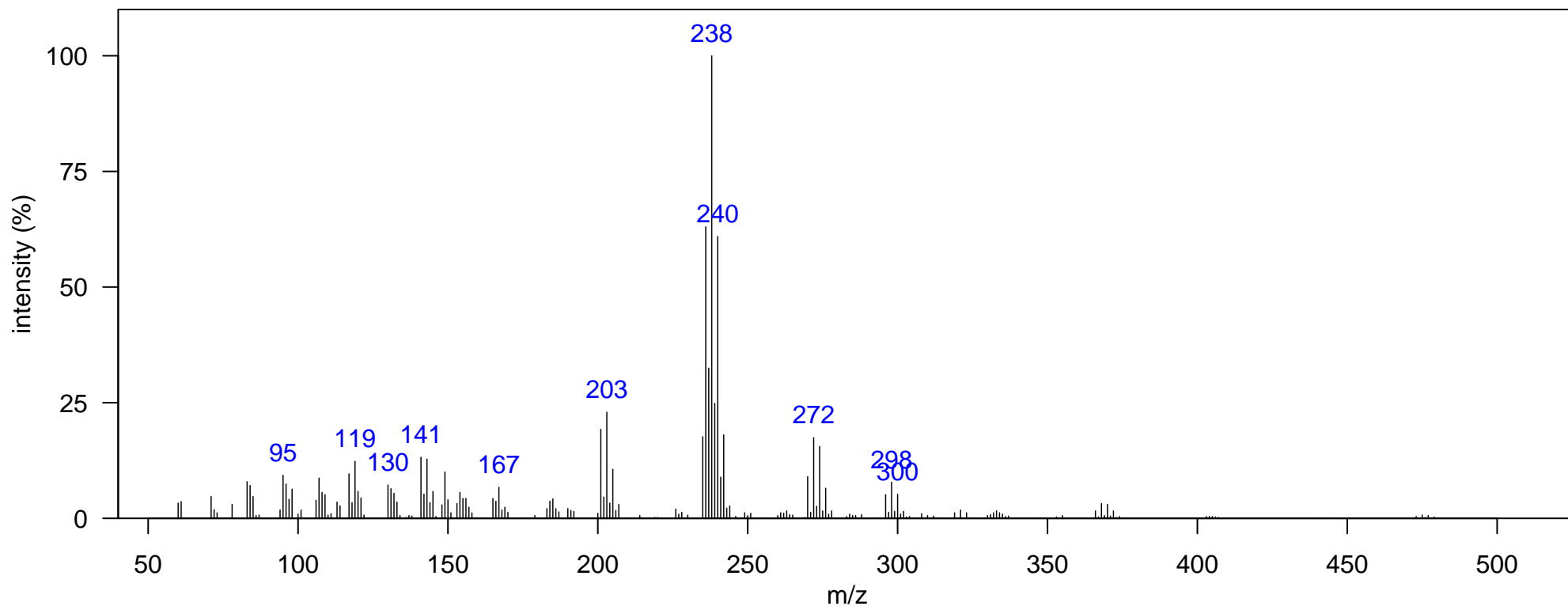
Name: mirex 1Cl 1

Class: Mirex-related

Matrix: South Atlantic Dolphin Blubber
In N. Atlantic: TRUE, In N. Pacific: FALSE
Typically Monitored: FALSE
Comment:

Instrument: GCxGC-TOF, EI, 70 eV
1D RT, 2D RT (s): 1516.48, 1.115
Quantitative Ion m/z: 238

Elemental Formula: C₁₀HCl₁₁
Source: anthropogenic
Identification: Manual-Congener Group



m/z [Fragment]

270 [C₅Cl₆]⁺
366 [M-Cl₄]
471 [M-Cl]⁺

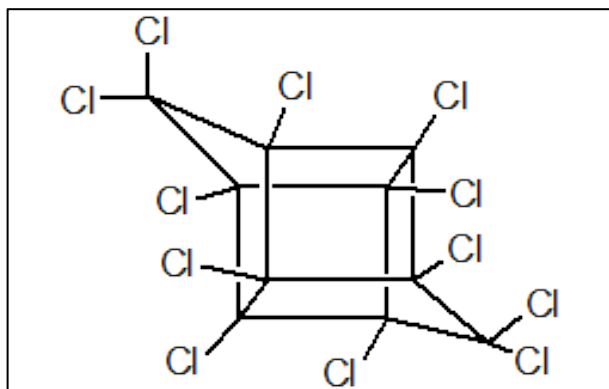
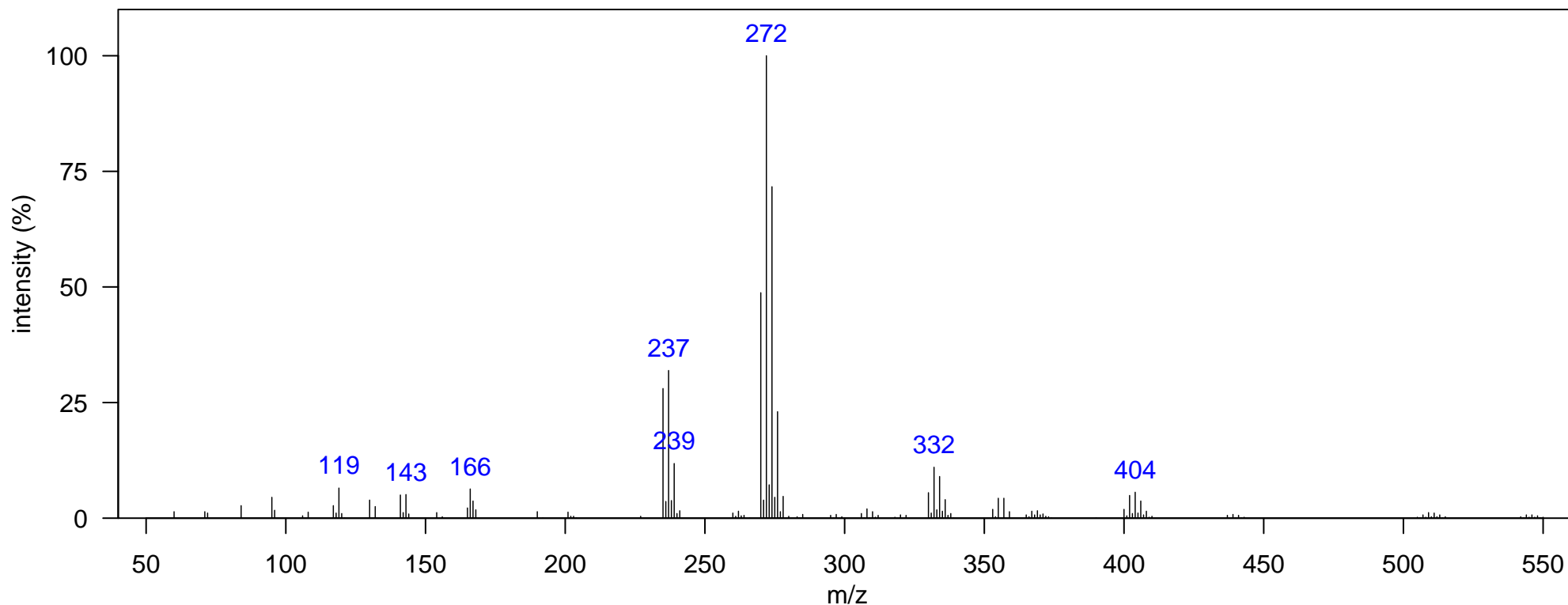
Name: mirex

Class: Mirex-related

Matrix: South Atlantic Dolphin Blubber
In N. Atlantic: TRUE, In N. Pacific: TRUE
Typically Monitored: TRUE
Comment:

Instrument: GCxGC-TOF, EI, 70 eV
1D RT, 2D RT (s): 1572.44, 1.247
Quantitative Ion m/z: 272

Elemental Formula: C₁₀Cl₁₂
Source: anthropogenic
Identification: Authentic MS RT



m/z [Fragment]
505 [M-Cl] ⁺
540 M ⁺

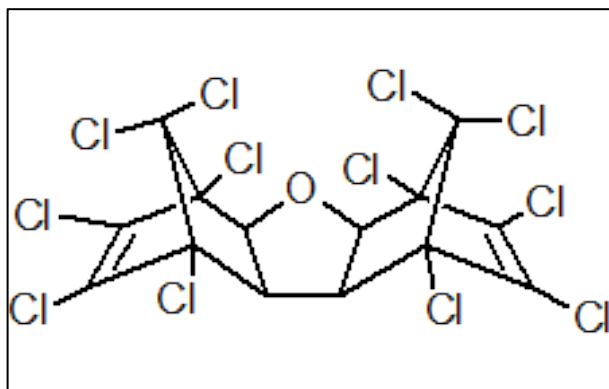
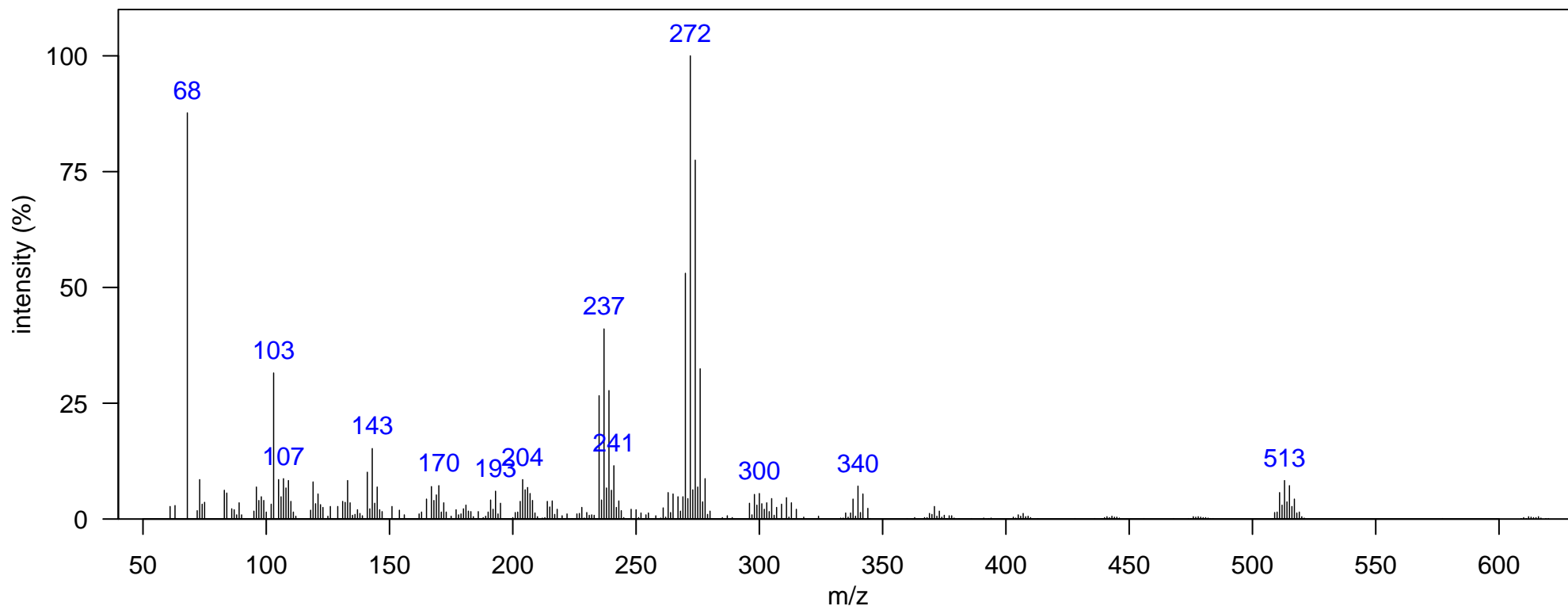
Name: dechlorane 602

Class: Mirex-related

Matrix: South Atlantic Dolphin Blubber
In N. Atlantic: FALSE, In N. Pacific: FALSE
Typically Monitored: FALSE
Comment:

Instrument: GCxGC-TOF, EI, 70 eV
1D RT, 2D RT (s): 1673.89, 1.379
Quantitative Ion m/z: 513

Elemental Formula: C₁₄H₄Cl₁₂O
Source: anthropogenic
Identification: Authentic MS RT



m/z [Fragment]

270 [C₅Cl₆]⁺
608 M⁺

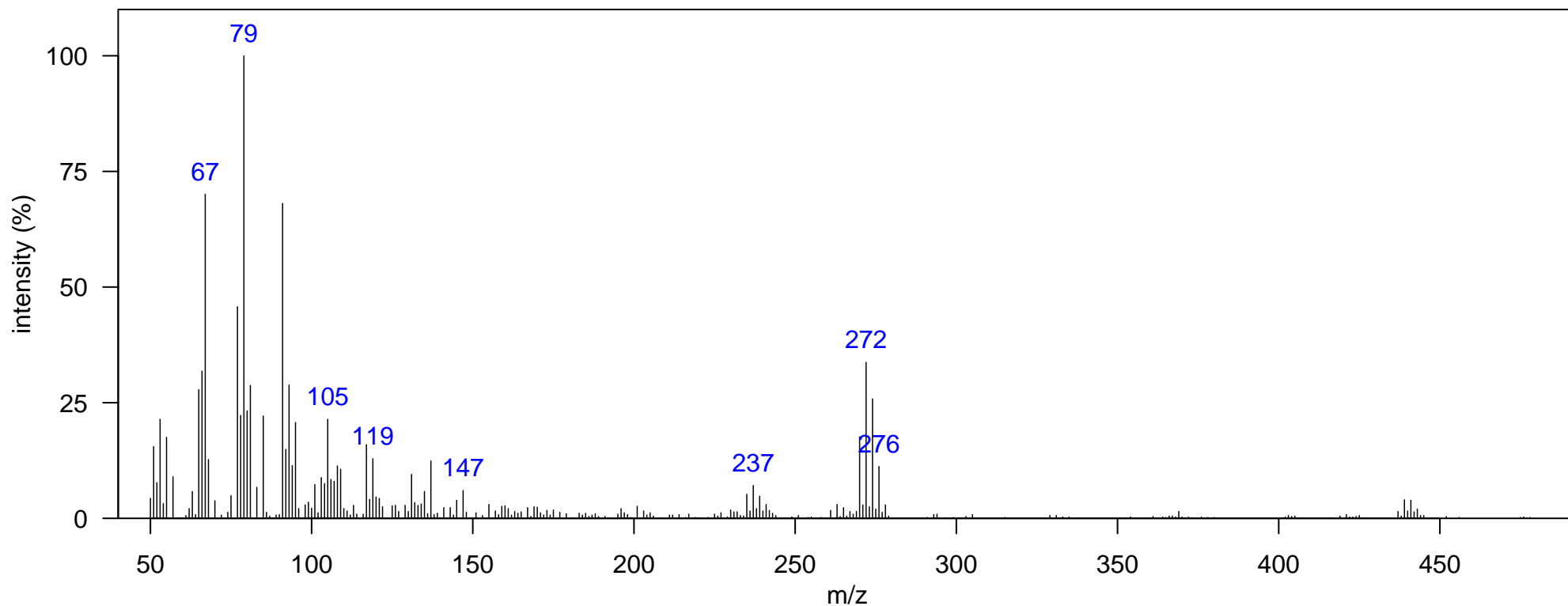
Name: mirex related

Class: Mirex-related

Matrix: South Atlantic Dolphin Blubber
In N. Atlantic: FALSE, In N. Pacific: TRUE
Typically Monitored: FALSE
Comment: mirex related 1 (Pacific Library)

Instrument: GCxGC-TOF, EI, 70 eV
1D RT, 2D RT (s): 1701.87, 1.459
Quantitative Ion m/z: 272

Elemental Formula:
Source: anthropogenic
Identification: Manual



m/z [Fragment]
270 [C5Cl6]+
437 [Frag]+

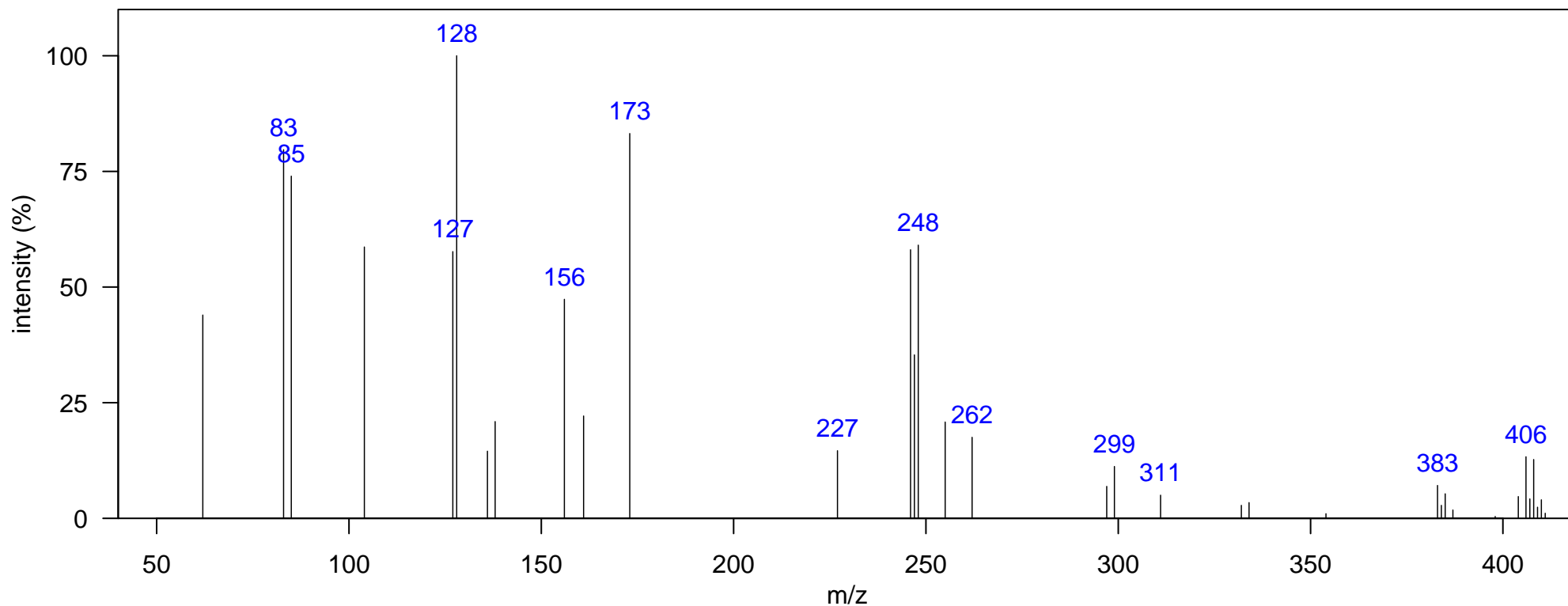
Name: BDE-28/33

Class: PBDE

Matrix: South Atlantic Dolphin Blubber
In N. Atlantic: TRUE, In N. Pacific: TRUE
Typically Monitored: TRUE
Comment:

Instrument: GCxGC-TOF, EI, 70 eV
1D RT, 2D RT (s): 1404.54, 1.049
Quantitative Ion m/z: 406

Elemental Formula: C₁₂H₇Br₃O
Source: anthropogenic
Identification: Authentic MS RT



m/z [Fragment]
246 [M-Br ₂] ⁺
404 M ⁺

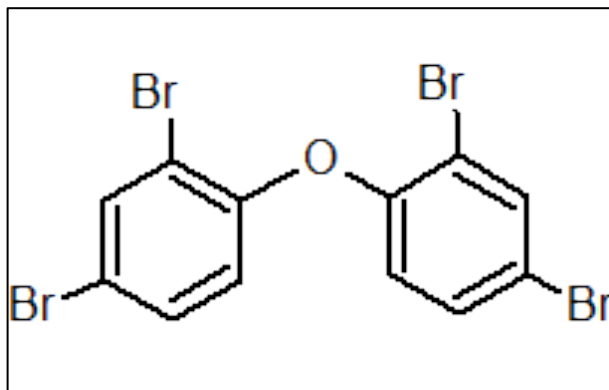
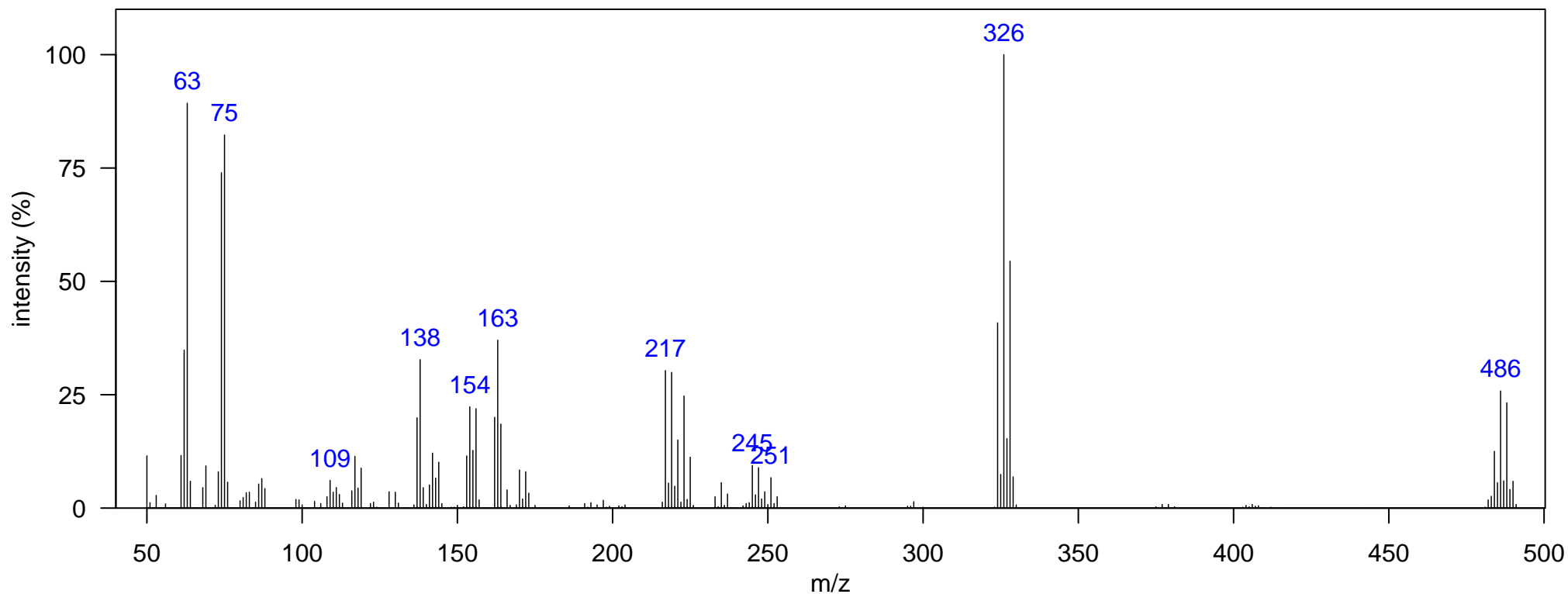
Name: BDE-47

Class: PBDE

Matrix: South Atlantic Dolphin Blubber
In N. Atlantic: TRUE, In N. Pacific: TRUE
Typically Monitored: TRUE
Comment:

Instrument: GCxGC-TOF, EI, 70 eV
1D RT, 2D RT (s): 1530.47, 1.188
Quantitative Ion m/z: 486

Elemental Formula: C₁₂H₆Br₄O
Source: anthropogenic
Identification: Authentic MS RT



m/z [Fragment]

324 [M-Br₂]⁺
482 M⁺

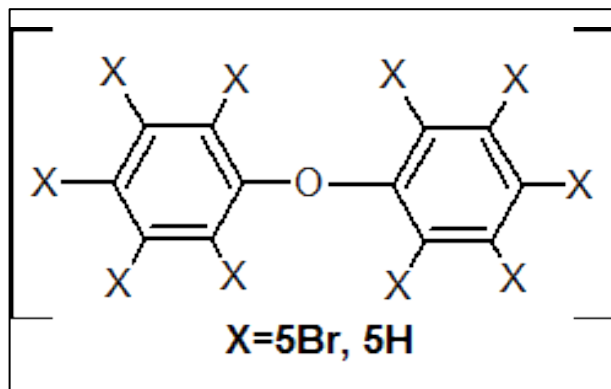
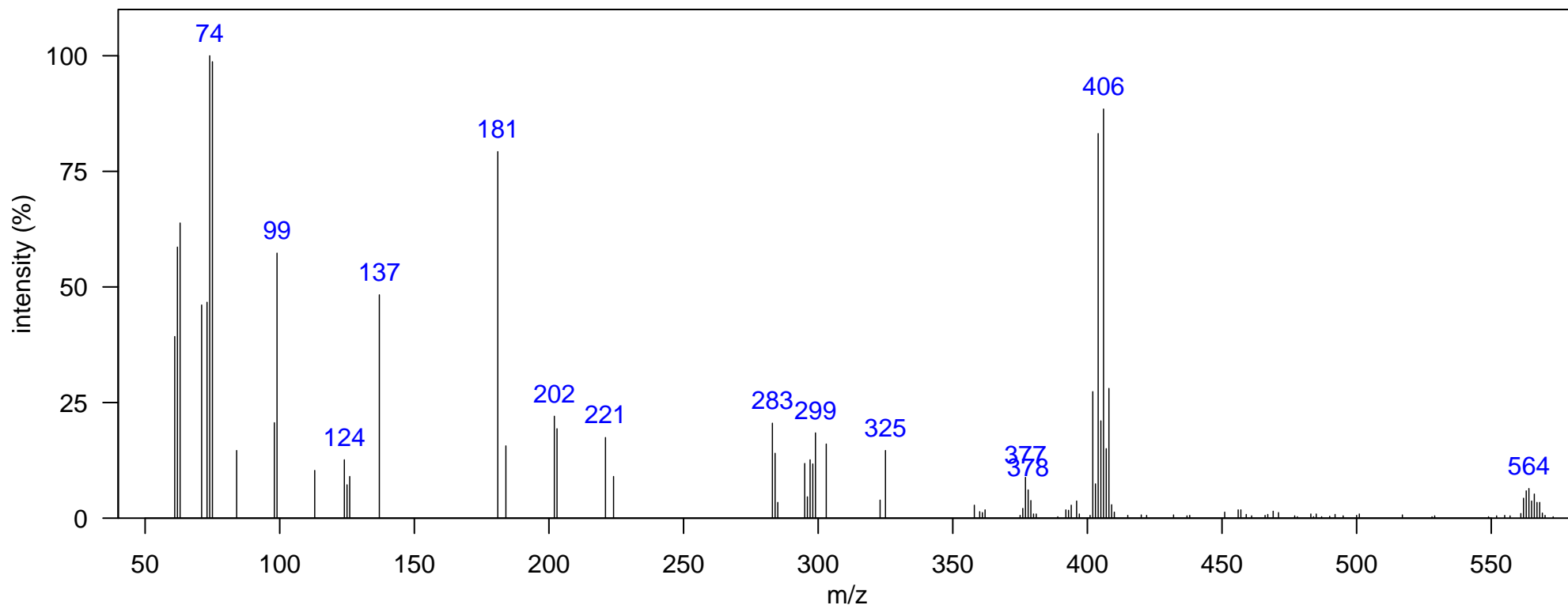
Name: BDE 5Br 1

Class: PBDE

Matrix: South Atlantic Dolphin Blubber
In N. Atlantic: TRUE, In N. Pacific: TRUE
Typically Monitored: FALSE
Comment:

Instrument: GCxGC-TOF, EI, 70 eV
1D RT, 2D RT (s): 1593.43, 1.34
Quantitative Ion m/z: 564

Elemental Formula: C₁₂H₅Br₅O
Source: anthropogenic
Identification: Authentic MS RT



m/z [Fragment]
402 [M-Br ₂] ⁺
560 M ⁺

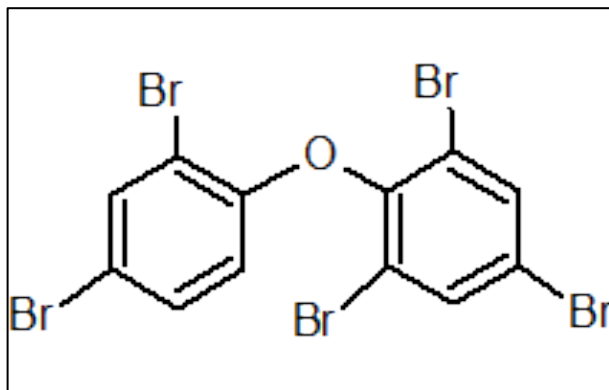
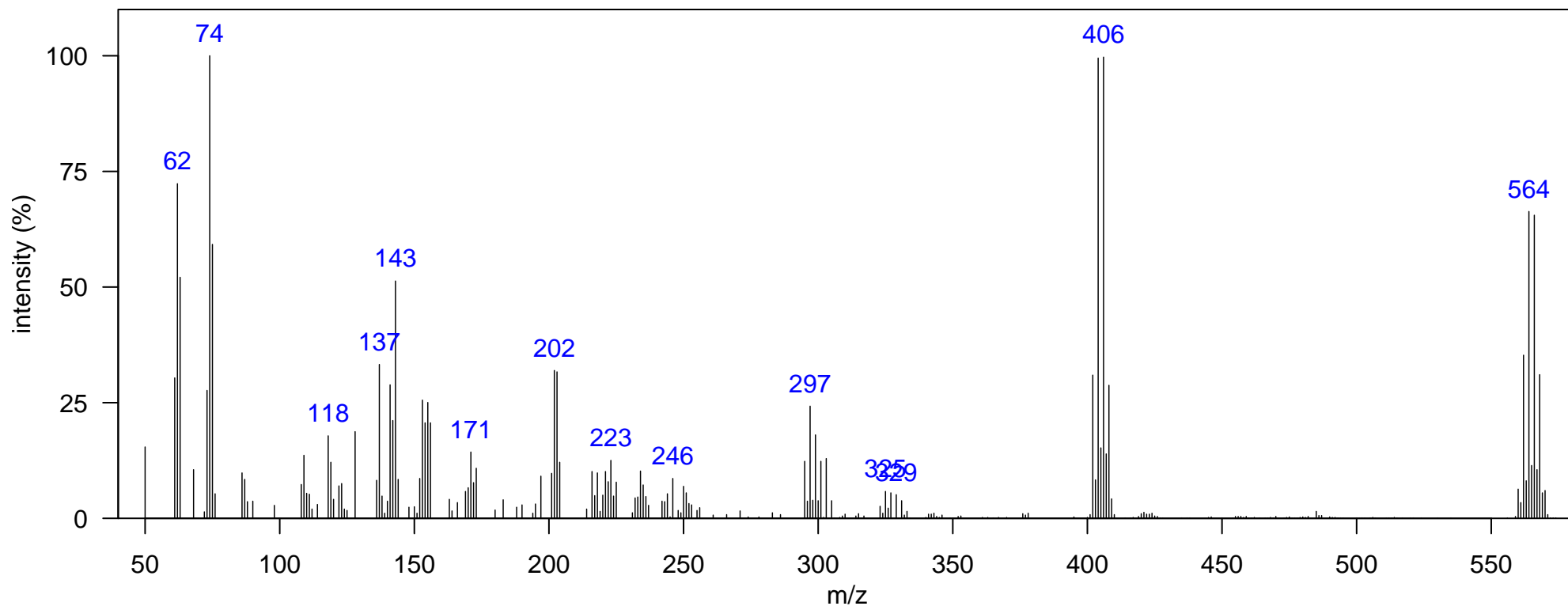
Name: BDE-100

Class: PBDE

Matrix: South Atlantic Dolphin Blubber
In N. Atlantic: TRUE, In N. Pacific: TRUE
Typically Monitored: TRUE
Comment:

Instrument: GCxGC-TOF, EI, 70 eV
1D RT, 2D RT (s): 1638.91, 1.558
Quantitative Ion m/z: 564

Elemental Formula: C₁₂H₅Br₅O
Source: anthropogenic
Identification: Authentic MS RT



m/z [Fragment]

402 [M-Br₂]⁺

560 M⁺

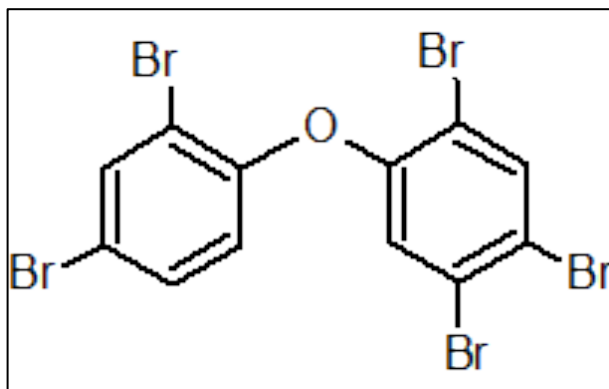
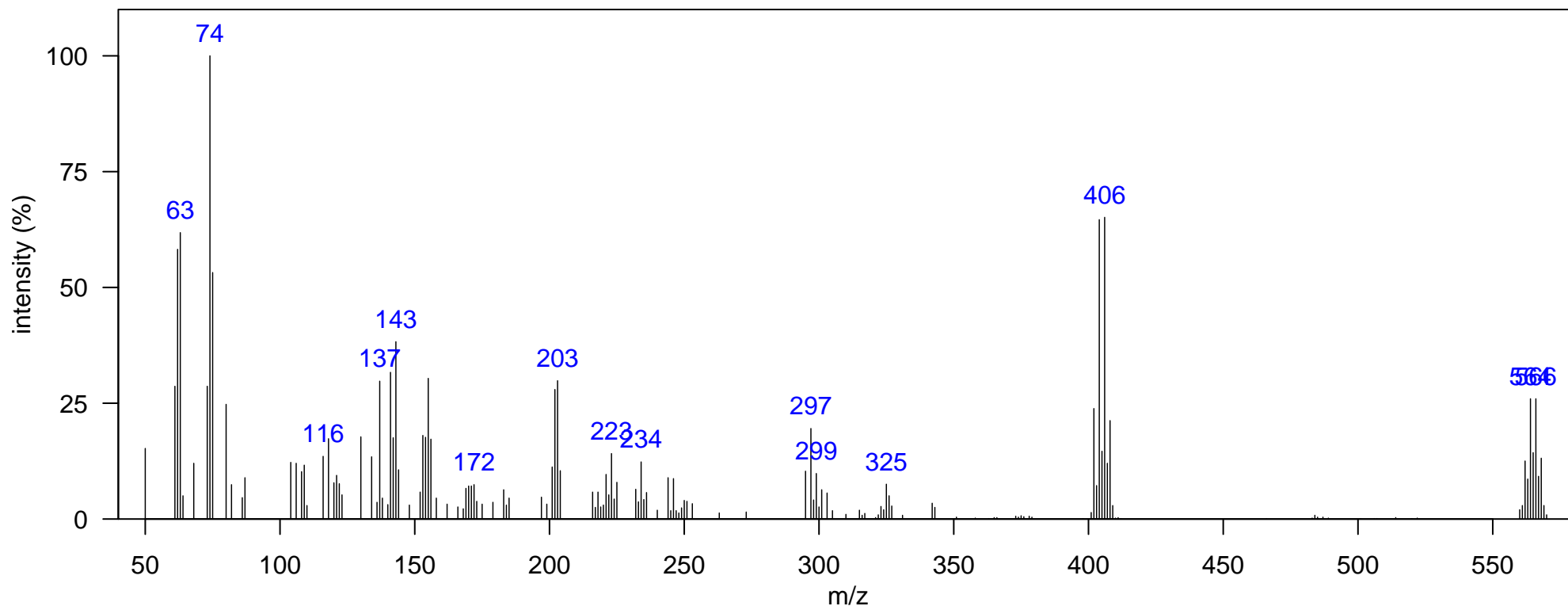
Name: BDE-99

Class: PBDE

Matrix: South Atlantic Dolphin Blubber
In N. Atlantic: TRUE, In N. Pacific: TRUE
Typically Monitored: TRUE
Comment:

Instrument: GCxGC-TOF, EI, 70 eV
1D RT, 2D RT (s): 1670.39, 1.61
Quantitative Ion m/z: 564

Elemental Formula: C₁₂H₅Br₅O
Source: anthropogenic
Identification: Authentic MS RT



m/z [Fragment]

402 [M-Br₂]⁺
560 M⁺

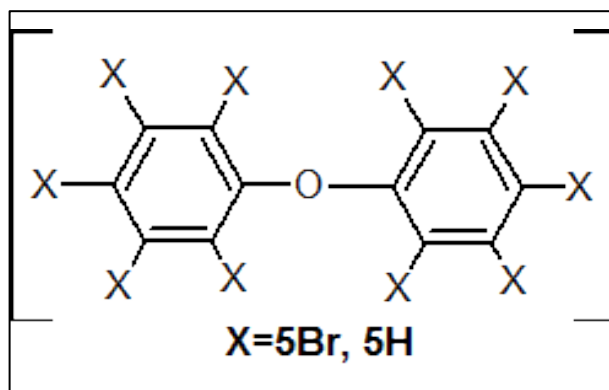
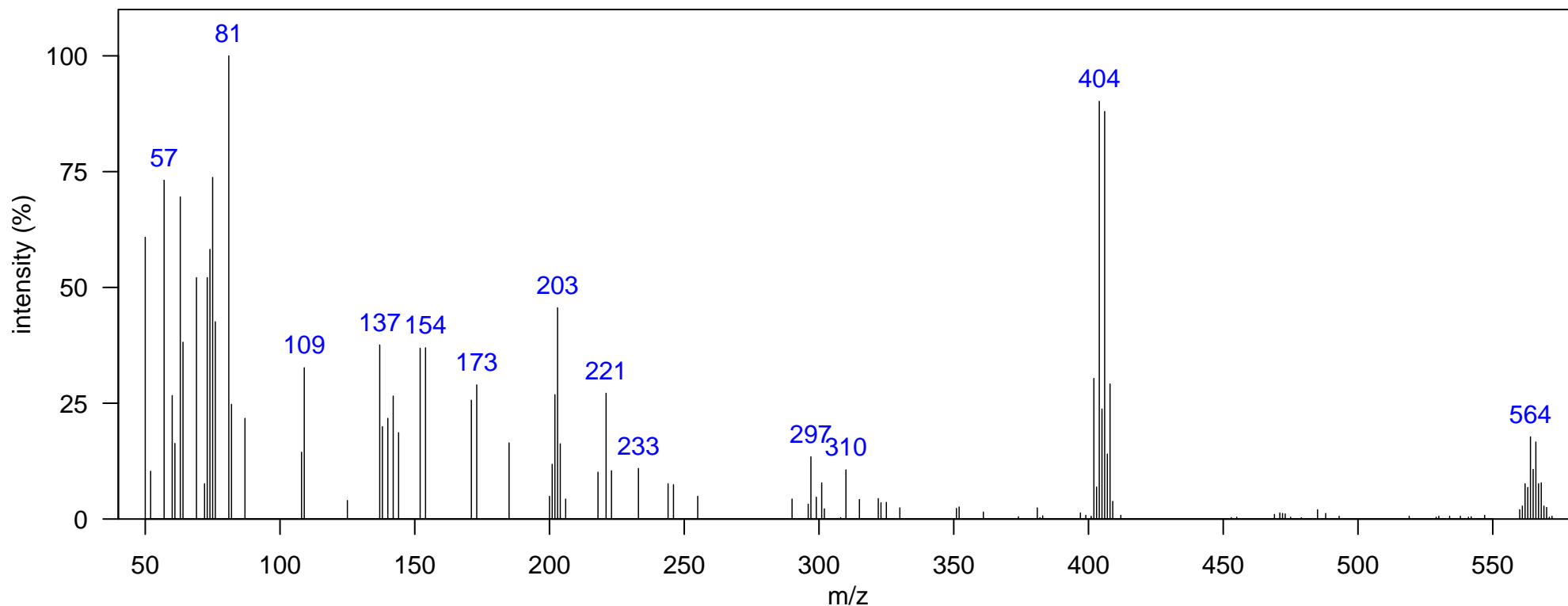
Name: BDE 5Br 2

Class: PBDE

Matrix: South Atlantic Dolphin Blubber
In N. Atlantic: FALSE, In N. Pacific: FALSE
Typically Monitored: FALSE
Comment:

Instrument: GCxGC-TOF, EI, 70 eV
1D RT, 2D RT (s): 1680.88, 1.65
Quantitative Ion m/z: 564

Elemental Formula: C₁₂H₅Br₅O
Source: anthropogenic
Identification: Manual-Congener Group



m/z [Fragment]

402 [M-Br₂]⁺
560 M⁺

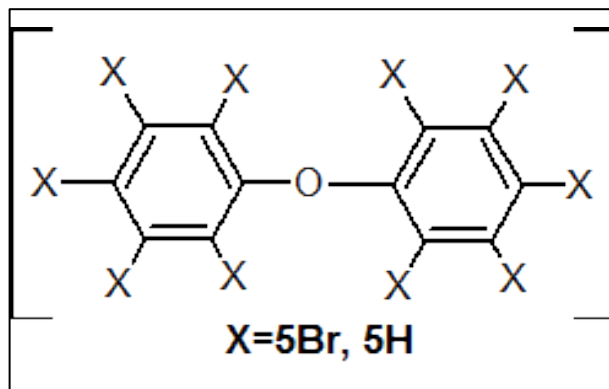
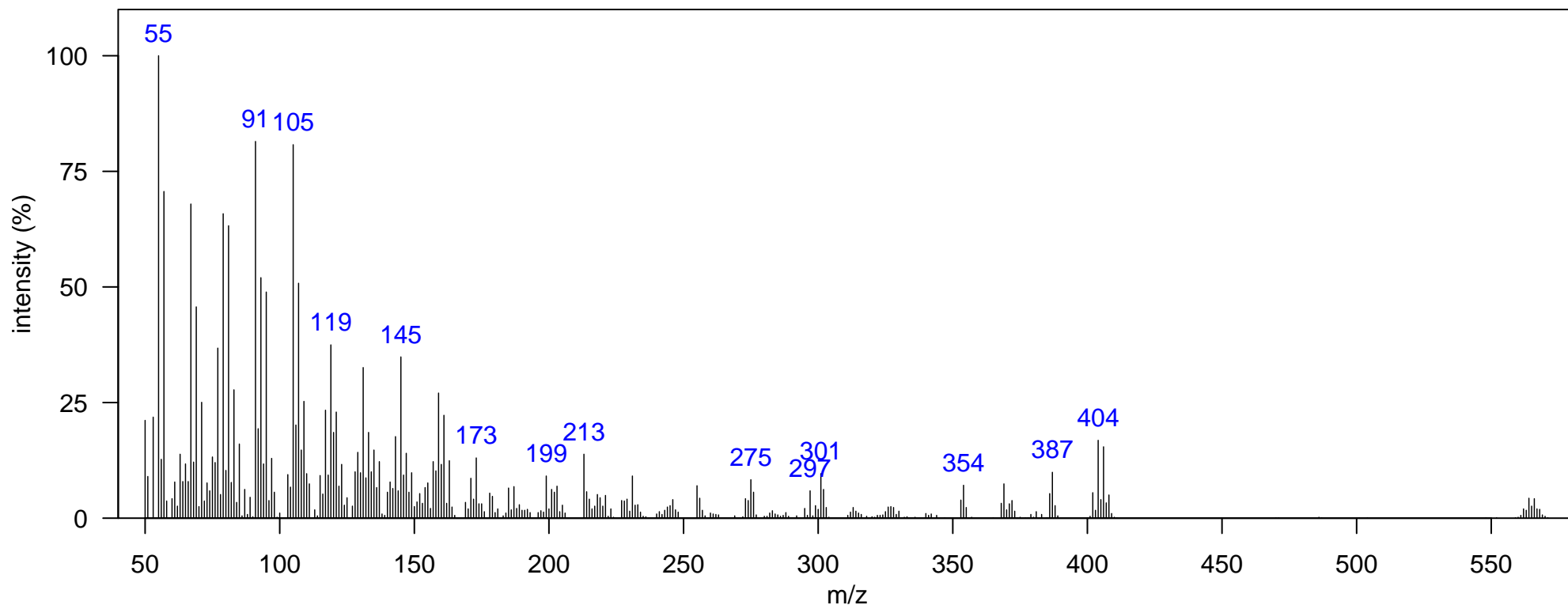
Name: BDE 5Br 3

Class: PBDE

Matrix: South Atlantic Dolphin Blubber
In N. Atlantic: FALSE, In N. Pacific: FALSE
Typically Monitored: FALSE
Comment:

Instrument: GCxGC-TOF, EI, 70 eV
1D RT, 2D RT (s): 1691.38, 1.65
Quantitative Ion m/z: 564

Elemental Formula: C₁₂H₅Br₅O
Source: anthropogenic
Identification: Manual-Congener Group



m/z [Fragment]
402 [M-Br ₂] ⁺
560 M ⁺

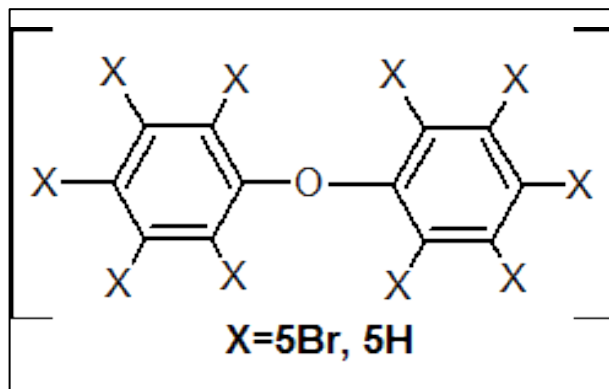
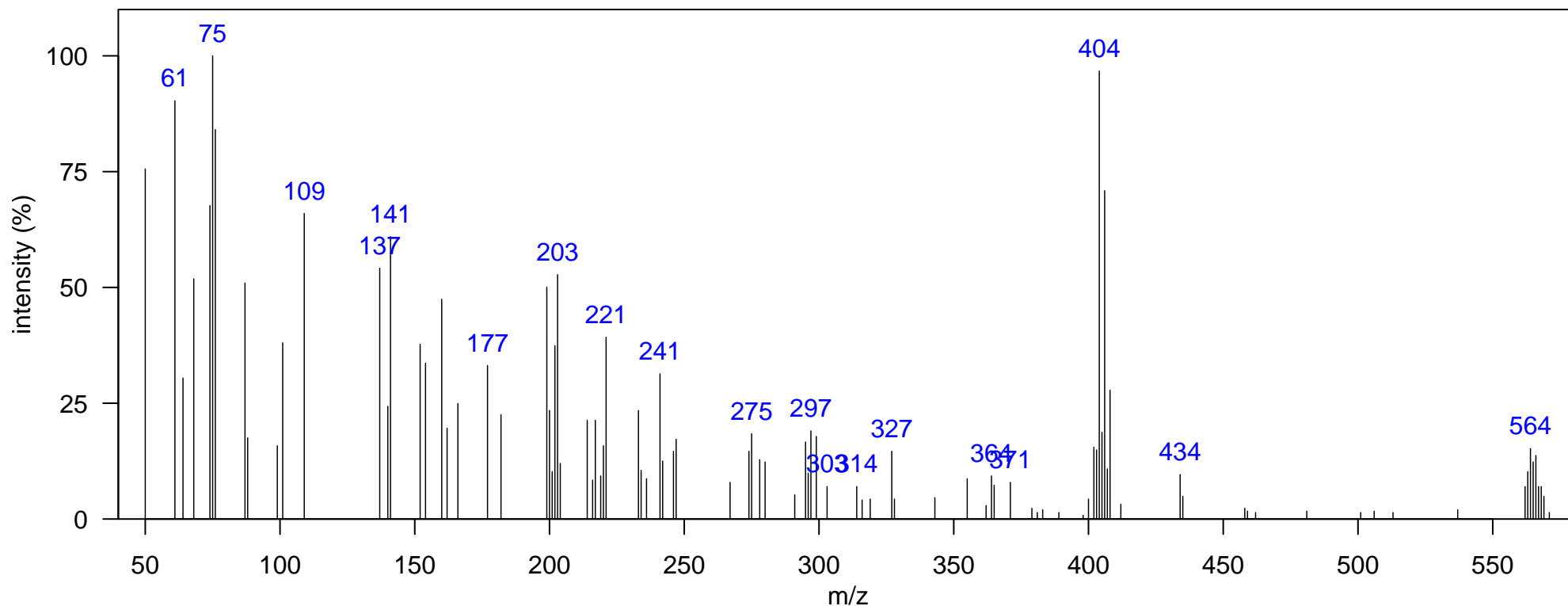
Name: BDE 5Br 4

Class: PBDE

Matrix: South Atlantic Dolphin Blubber
In N. Atlantic: FALSE, In N. Pacific: FALSE
Typically Monitored: FALSE
Comment:

Instrument: GCxGC-TOF, EI, 70 eV
1D RT, 2D RT (s): 1743.85, 1.551
Quantitative Ion m/z: 564

Elemental Formula: C₁₂H₅Br₅O
Source: anthropogenic
Identification: Manual-Congener Group



m/z [Fragment]

402 [M-Br₂]⁺
560 M⁺

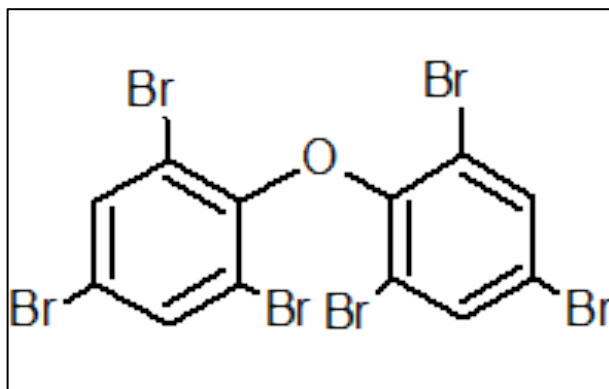
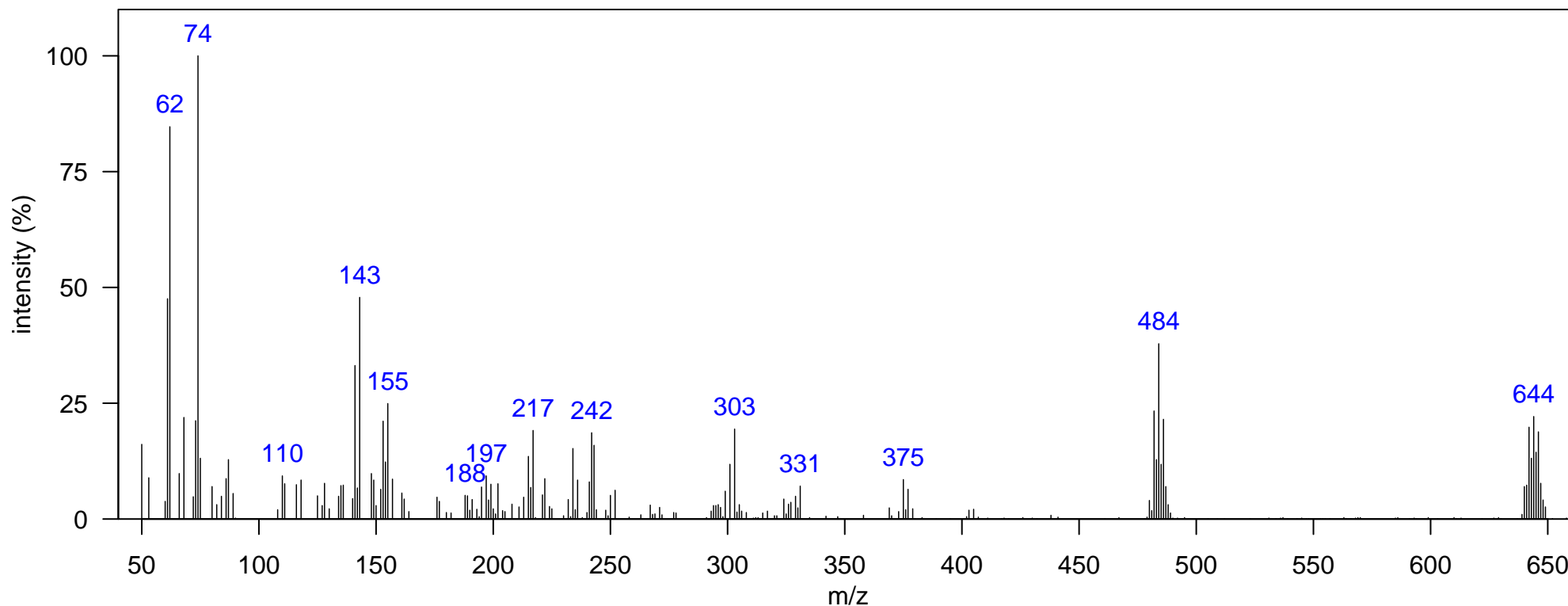
Name: BDE-155

Class: PBDE

Matrix: South Atlantic Dolphin Blubber
In N. Atlantic: TRUE, In N. Pacific: TRUE
Typically Monitored: TRUE
Comment:

Instrument: GCxGC-TOF, EI, 70 eV
1D RT, 2D RT (s): 1750.84, 1.564
Quantitative Ion m/z: 644

Elemental Formula: C₁₂H₄Br₆O
Source: anthropogenic
Identification: Authentic MS RT



m/z [Fragment]

480 [M-Br₂]⁺
638 M⁺

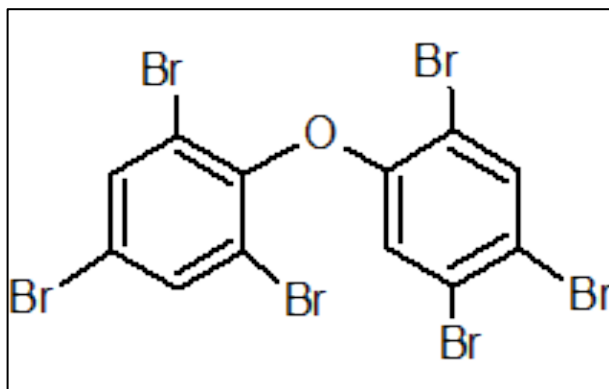
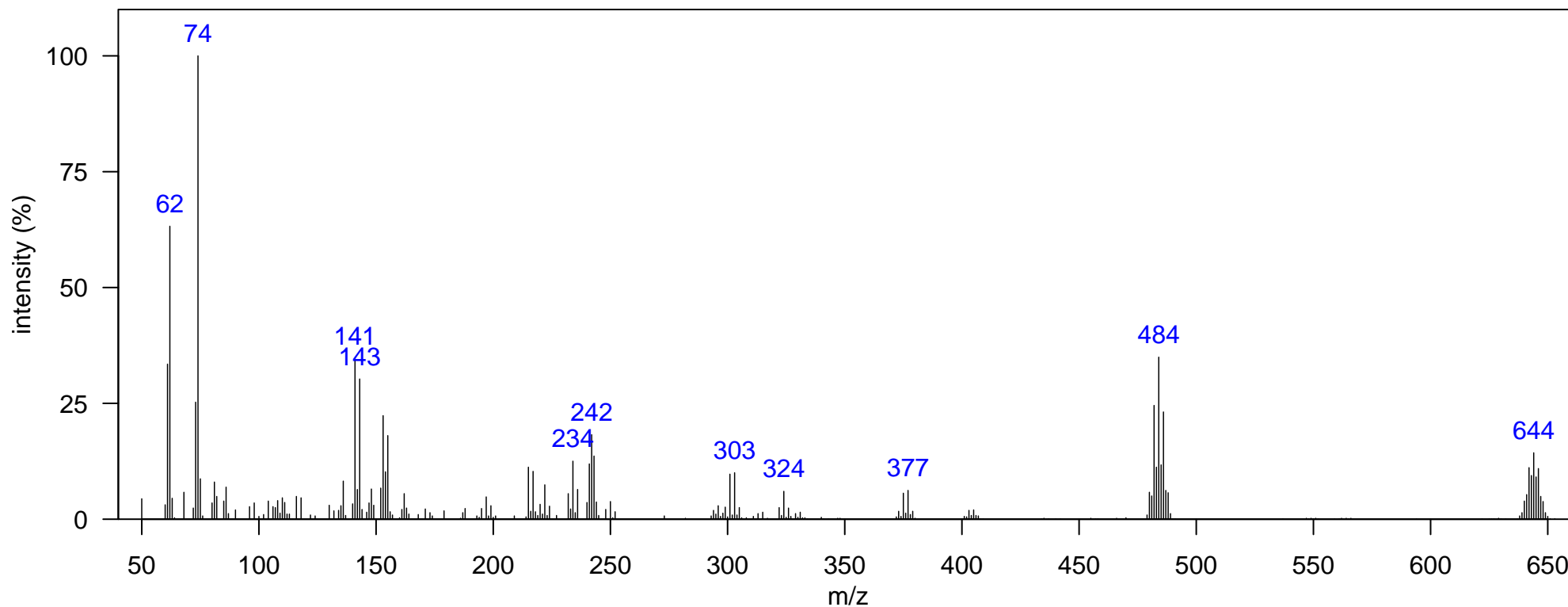
Name: BDE-154

Class: PBDE

Matrix: South Atlantic Dolphin Blubber
In N. Atlantic: TRUE, In N. Pacific: TRUE
Typically Monitored: TRUE
Comment:

Instrument: GCxGC-TOF, EI, 70 eV
1D RT, 2D RT (s): 1768.33, 1.604
Quantitative Ion m/z: 644

Elemental Formula: C₁₂H₄Br₆O
Source: anthropogenic
Identification: Authentic MS RT



m/z [Fragment]

480 [M-Br₂]⁺
638 M⁺

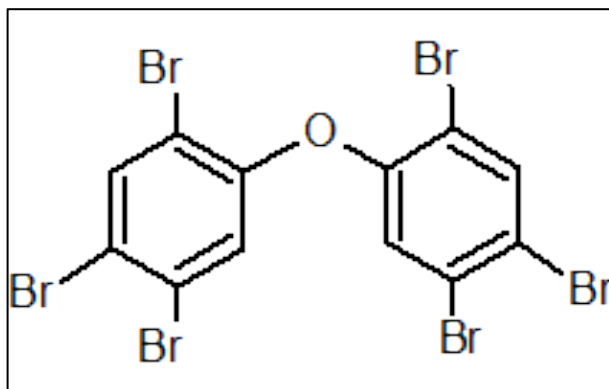
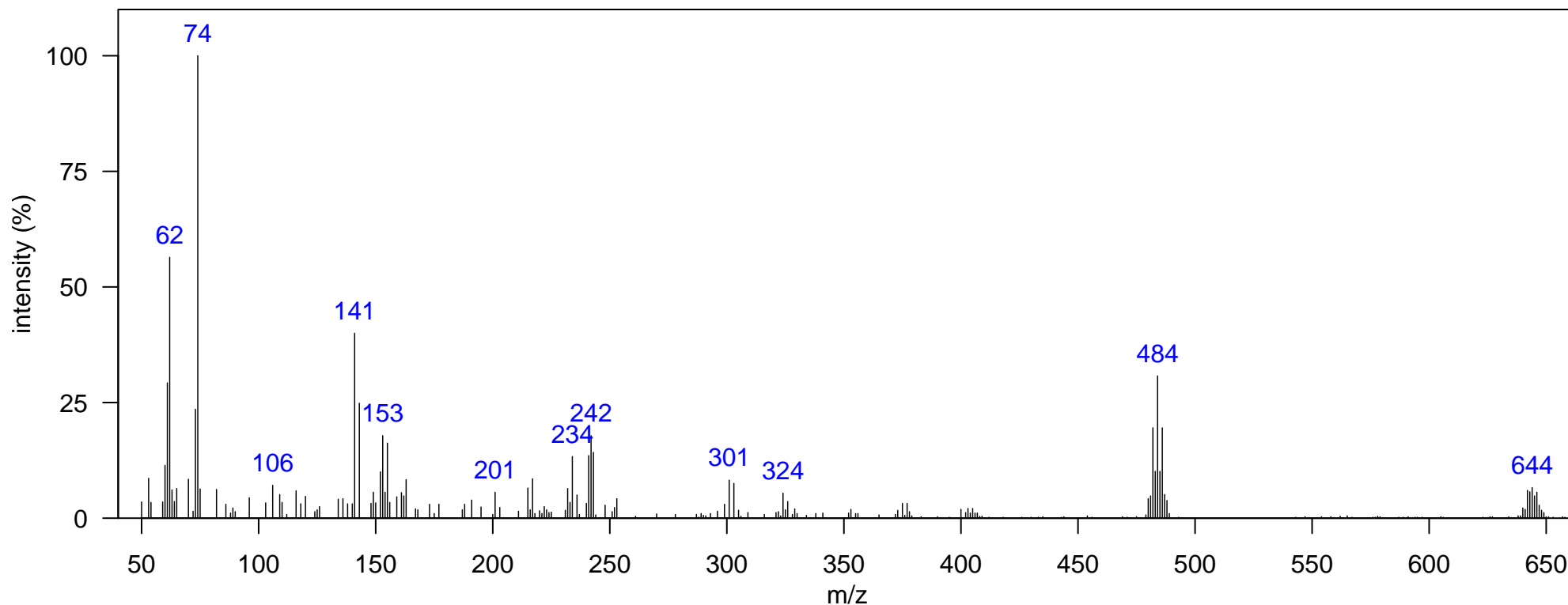
Name: BDE-153

Class: PBDE

Matrix: South Atlantic Dolphin Blubber
In N. Atlantic: TRUE, In N. Pacific: TRUE
Typically Monitored: TRUE
Comment:

Instrument: GCxGC-TOF, EI, 70 eV
1D RT, 2D RT (s): 1813.81, 1.729
Quantitative Ion m/z: 644

Elemental Formula: C₁₂H₄Br₆O
Source: anthropogenic
Identification: Authentic MS RT



m/z [Fragment]

480 [M-Br₂]⁺

638 M⁺

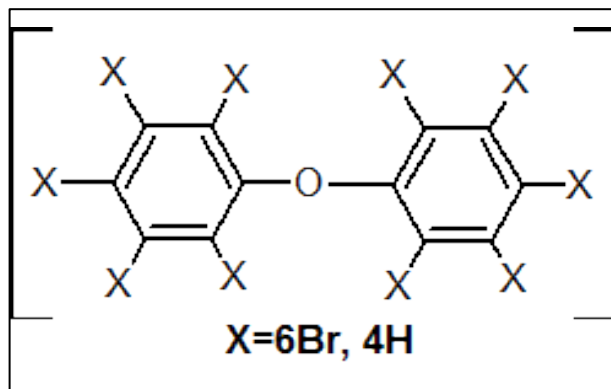
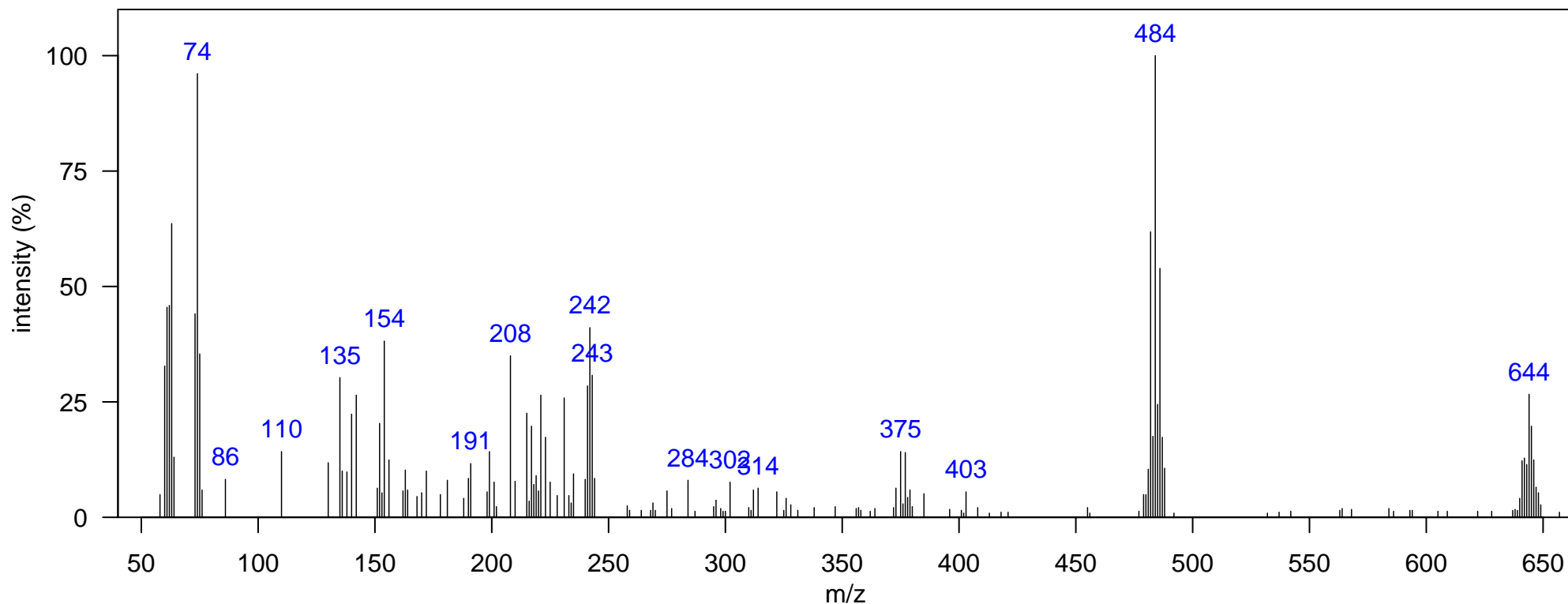
Name: BDE 6Br

Class: PBDE

Matrix: South Atlantic Dolphin Blubber
In N. Atlantic: TRUE, In N. Pacific: FALSE
Typically Monitored: FALSE
Comment:

Instrument: GCxGC-TOF, EI, 70 eV
1D RT, 2D RT (s): 1831.3, 1.874
Quantitative Ion m/z: 644

Elemental Formula: C₁₂H₄Br₆O
Source: anthropogenic
Identification: Manual-Congener Group



m/z [Fragment]
480 [M-Br ₂] ⁺
638 M ⁺

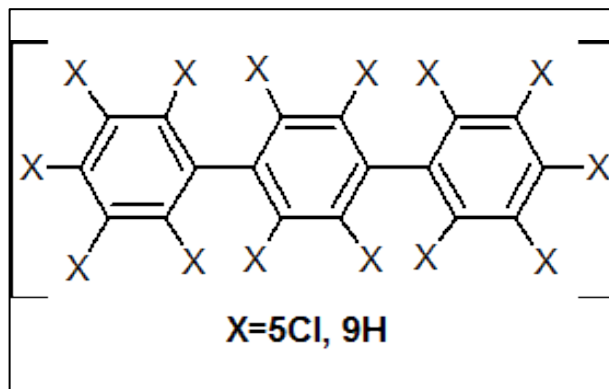
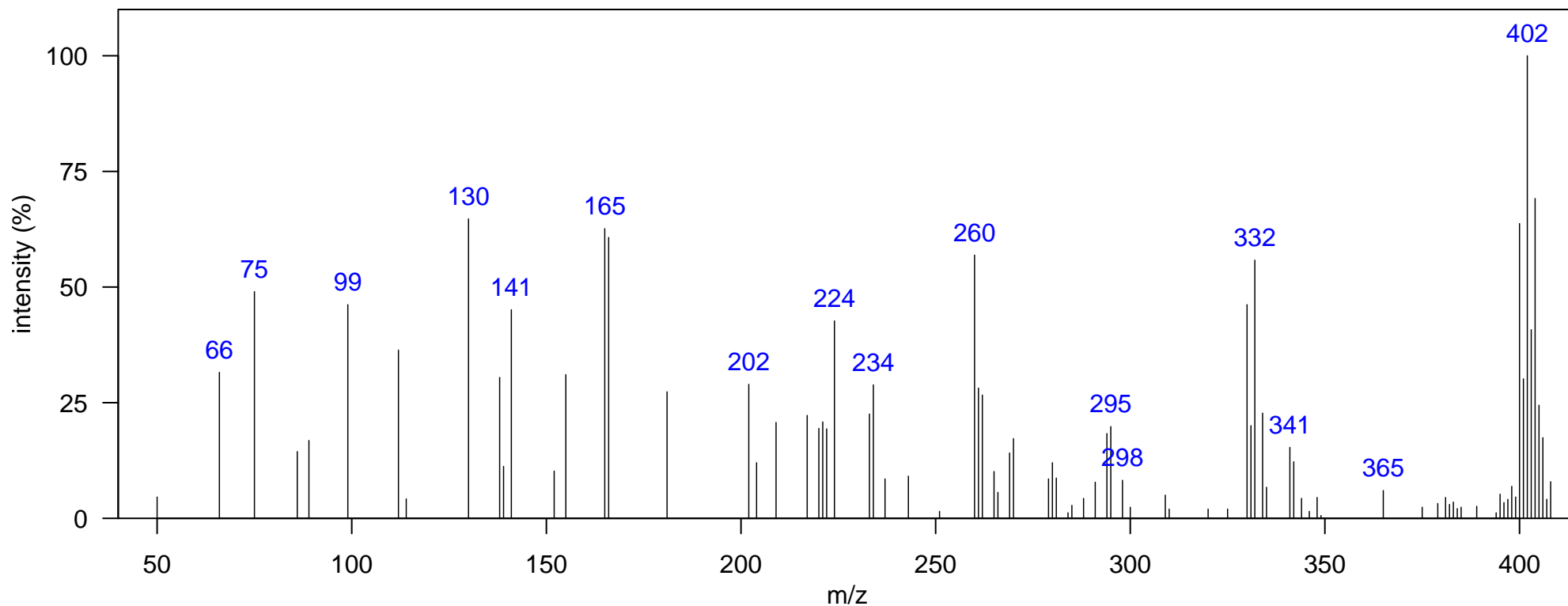
Name: terphenyl 5Cl 1

Class: PCT

Matrix: South Atlantic Dolphin Blubber
In N. Atlantic: FALSE, In N. Pacific: TRUE
Typically Monitored: FALSE
Comment: terphenyl 5Cl 4 (Pacific Library)

Instrument: GCxGC-TOF, EI, 70 eV
1D RT, 2D RT (s): 1719.36, 1.439
Quantitative Ion m/z: 402

Elemental Formula: C₁₈H₉Cl₅
Source: anthropogenic
Identification: Manual-Congener Group



m/z [Fragment]
330 [M-Cl ₂] ⁺
400 M ⁺

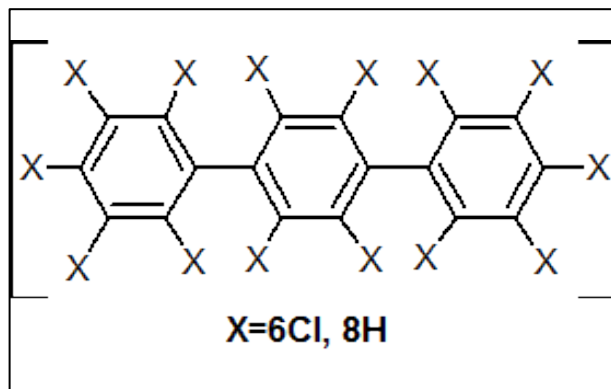
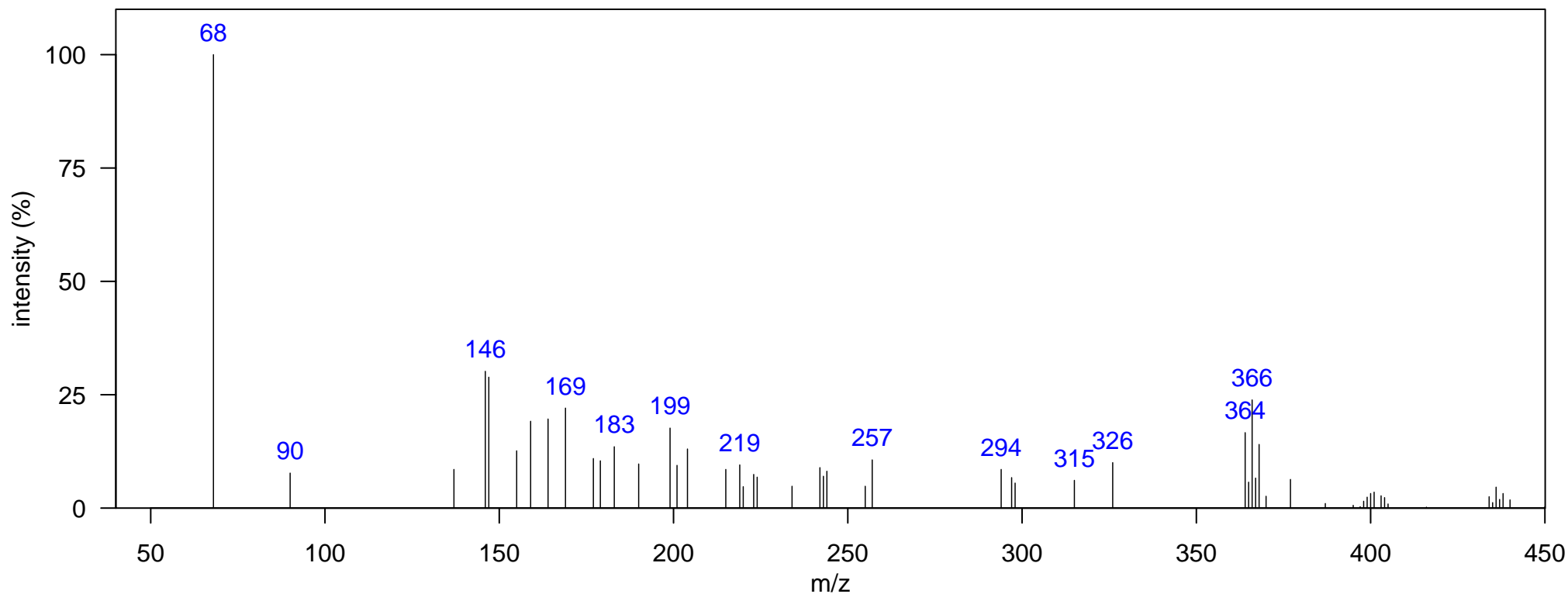
Name: terphenyl 6Cl 1

Class: PCT

Matrix: South Atlantic Dolphin Blubber
In N. Atlantic: FALSE, In N. Pacific: FALSE
Typically Monitored: FALSE
Comment:

Instrument: GCxGC-TOF, EI, 70 eV
1D RT, 2D RT (s): 1628.41, 1.406
Quantitative Ion m/z: 438

Elemental Formula: C₁₈H₈Cl₆
Source: anthropogenic
Identification: Manual-Congener Group



m/z [Fragment]
364 [M-Cl ₂] ⁺
434 M ⁺

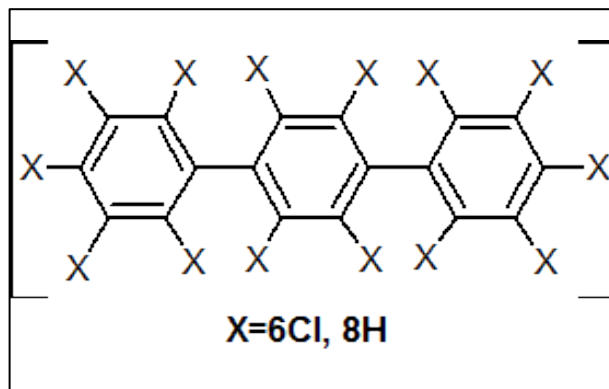
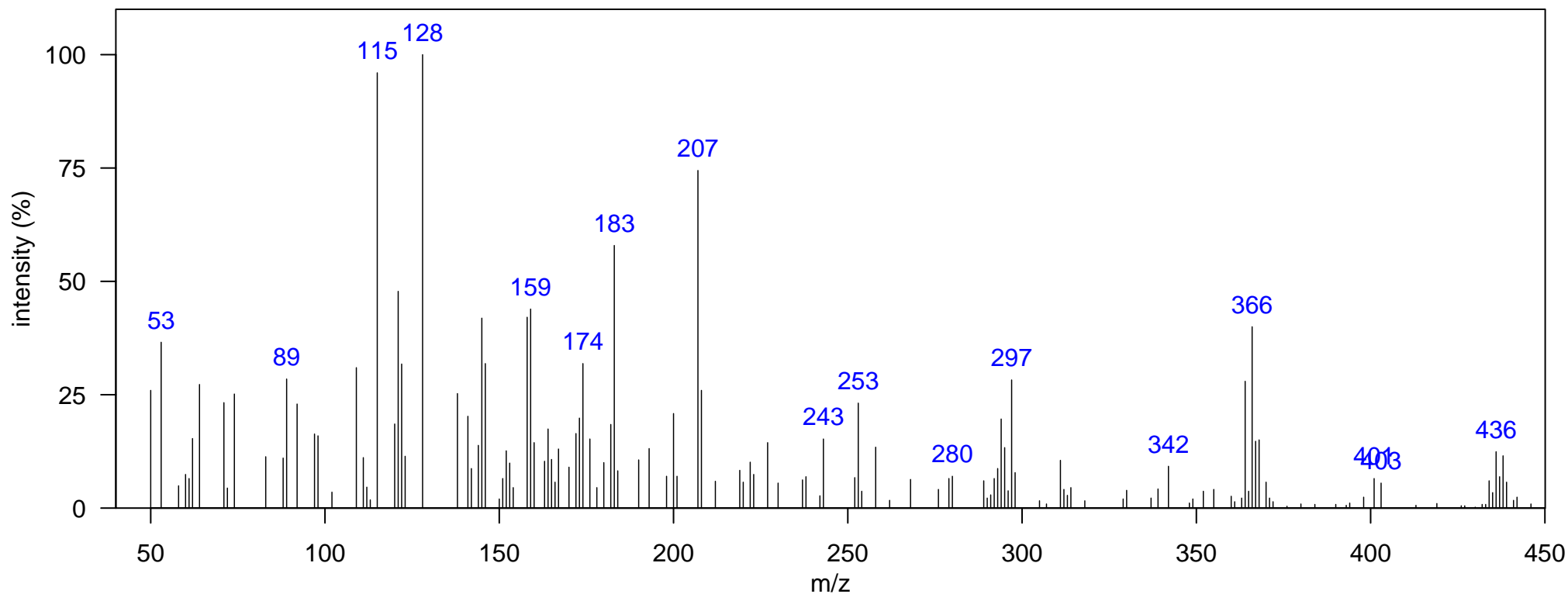
Name: terphenyl 6Cl 2

Class: PCT

Matrix: South Atlantic Dolphin Blubber
In N. Atlantic: FALSE, In N. Pacific: TRUE
Typically Monitored: FALSE
Comment: terphenyl 6Cl 1 (Pacific Library)

Instrument: GCxGC-TOF, EI, 70 eV
1D RT, 2D RT (s): 1694.87, 1.485
Quantitative Ion m/z: 438

Elemental Formula: C₁₈H₈Cl₆
Source: anthropogenic
Identification: Manual-Congener Group



m/z [Fragment]
364 [M-Cl ₂] ⁺
434 M ⁺

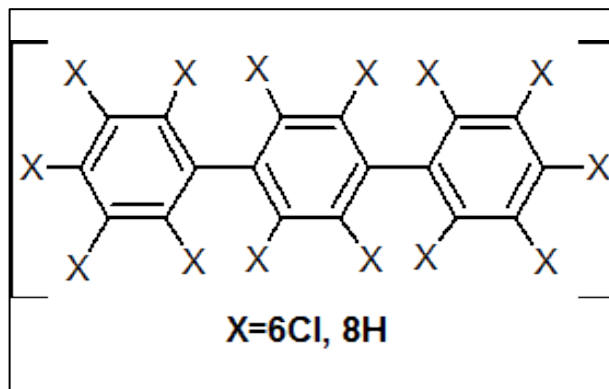
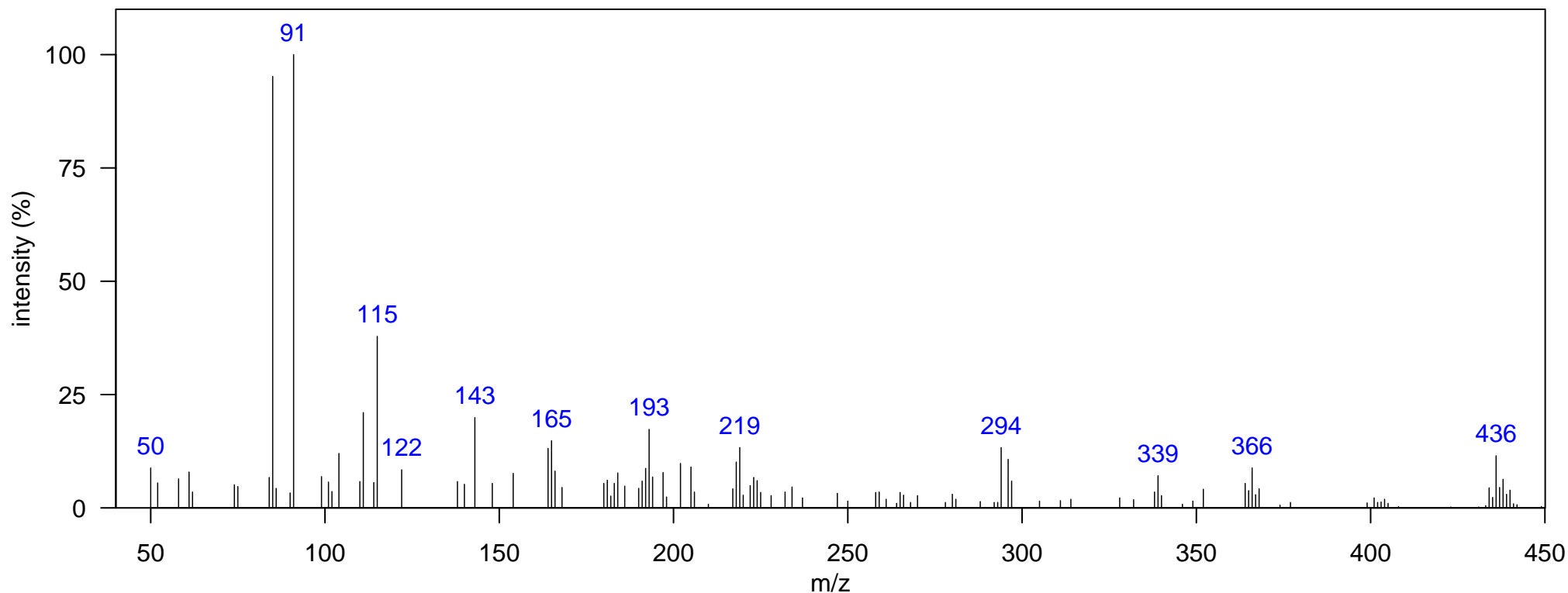
Name: terphenyl 6Cl 3

Class: PCT

Matrix: South Atlantic Dolphin Blubber
In N. Atlantic: FALSE, In N. Pacific: FALSE
Typically Monitored: FALSE
Comment:

Instrument: GCxGC-TOF, EI, 70 eV
1D RT, 2D RT (s): 1708.87, 1.452
Quantitative Ion m/z: 438

Elemental Formula: C₁₈H₈Cl₆
Source: anthropogenic
Identification: Manual-Congener Group



m/z [Fragment]
364 [M-Cl ₂] ⁺
434 M ⁺

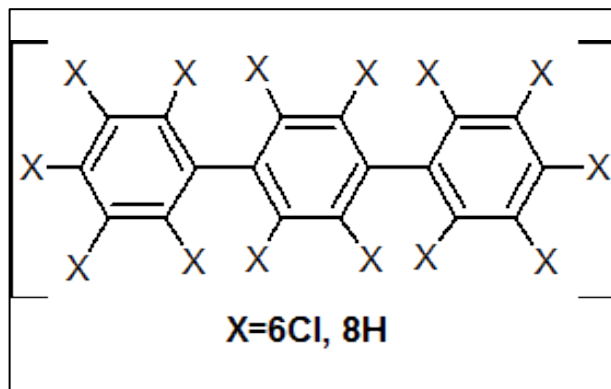
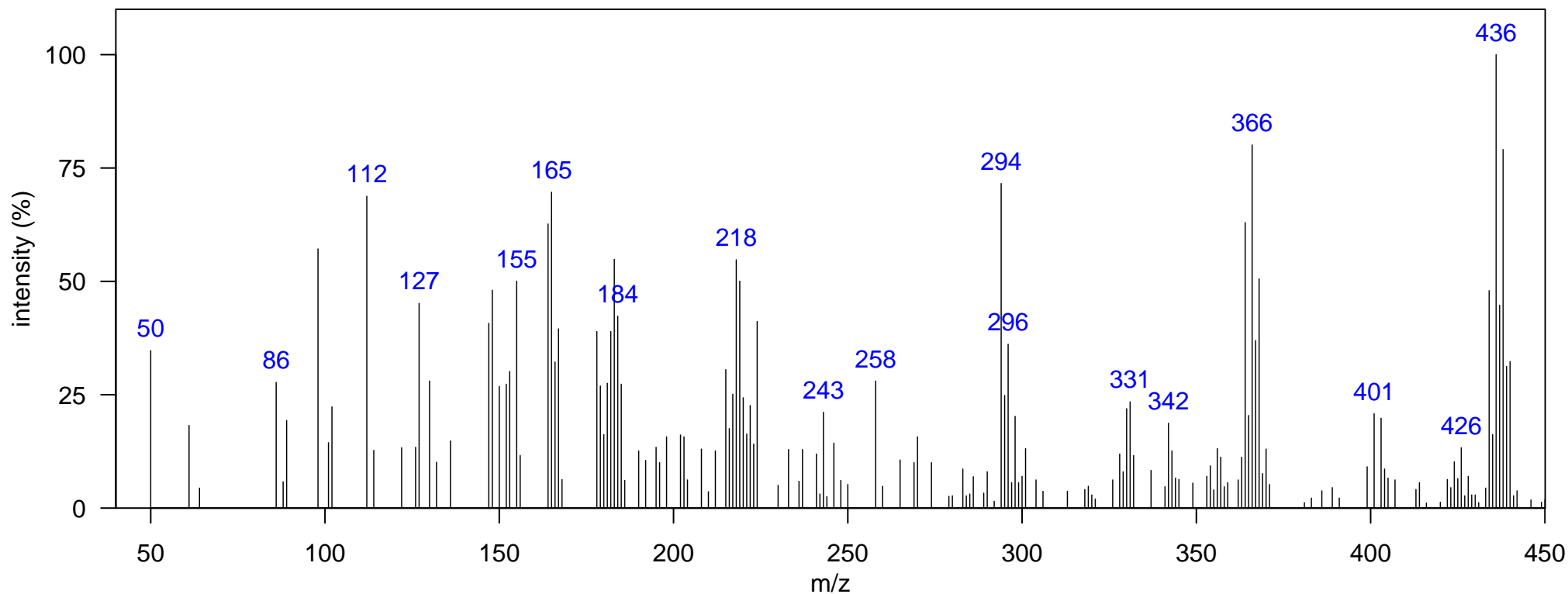
Name: terphenyl 6Cl 4

Class: PCT

Matrix: South Atlantic Dolphin Blubber
In N. Atlantic: FALSE, In N. Pacific: TRUE
Typically Monitored: FALSE
Comment: terphenyl 6Cl 2 (Pacific Library)

Instrument: GCxGC-TOF, EI, 70 eV
1D RT, 2D RT (s): 1719.36, 1.386
Quantitative Ion m/z: 438

Elemental Formula: C₁₈H₈Cl₆
Source: anthropogenic
Identification: Manual-Congener Group



m/z [Fragment]
364 [M-Cl ₂] ⁺
434 M ⁺

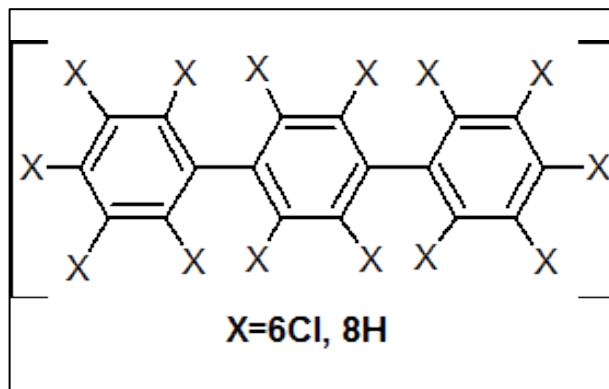
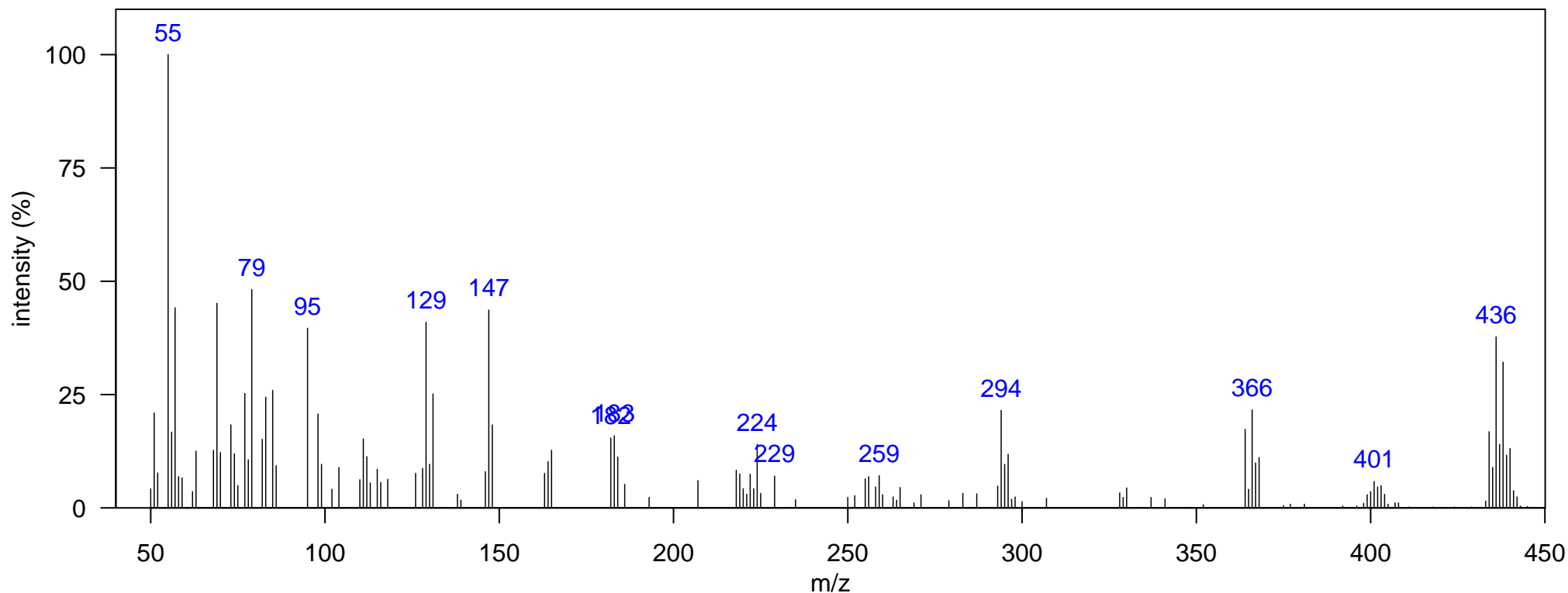
Name: terphenyl 6Cl 5

Class: PCT

Matrix: South Atlantic Dolphin Blubber
In N. Atlantic: FALSE, In N. Pacific: TRUE
Typically Monitored: FALSE
Comment: terphenyl 6Cl 3 (Pacific Library)

Instrument: GCxGC-TOF, EI, 70 eV
1D RT, 2D RT (s): 1736.85, 1.393
Quantitative Ion m/z: 438

Elemental Formula: C₁₈H₈Cl₆
Source: anthropogenic
Identification: Manual-Congener Group



m/z [Fragment]
364 [M-Cl ₂] ⁺
434 M ⁺

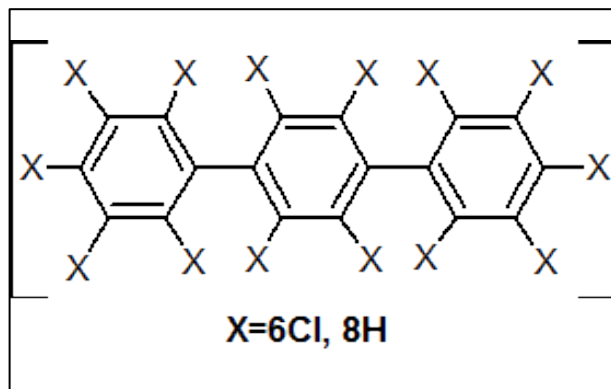
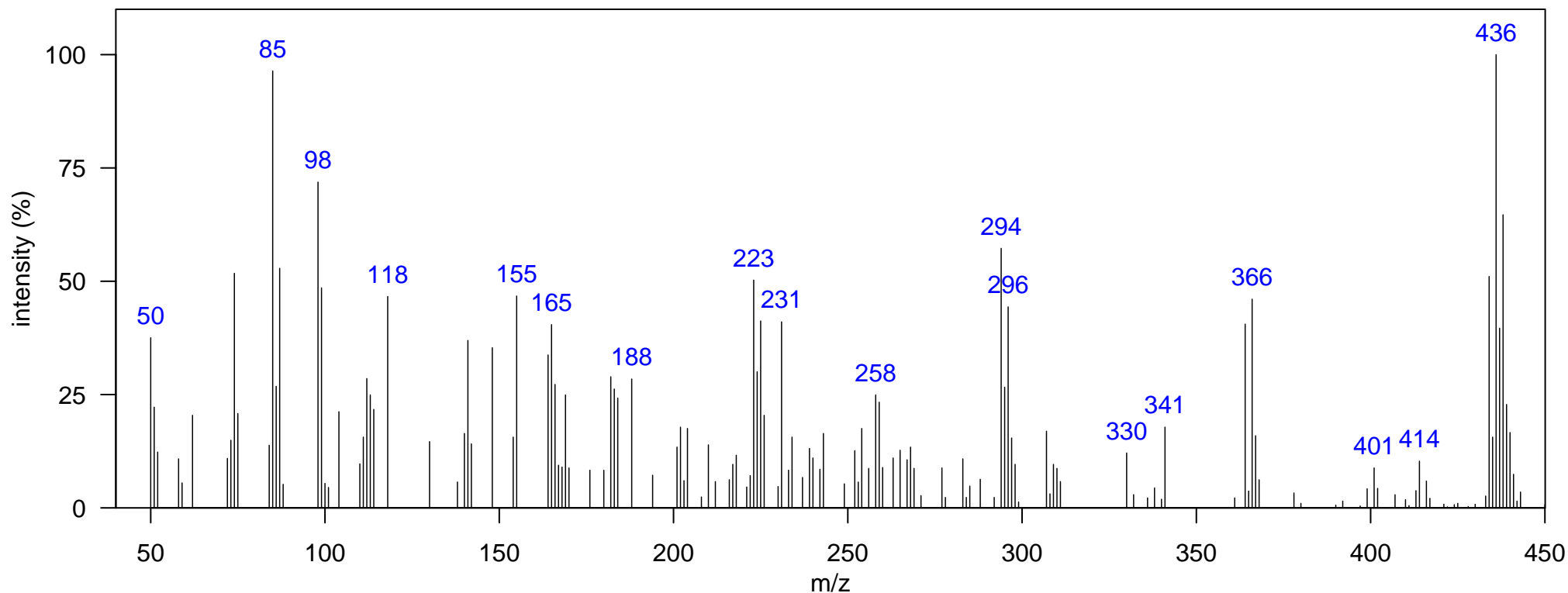
Name: terphenyl 6Cl 6

Class: PCT

Matrix: South Atlantic Dolphin Blubber
In N. Atlantic: FALSE, In N. Pacific: TRUE
Typically Monitored: FALSE
Comment: terphenyl 6Cl 4 (Pacific Library)

Instrument: GCxGC-TOF, EI, 70 eV
1D RT, 2D RT (s): 1743.85, 1.393
Quantitative Ion m/z: 438

Elemental Formula: C₁₈H₈Cl₆
Source: anthropogenic
Identification: Manual-Congener Group



m/z [Fragment]
364 [M-Cl ₂] ⁺
434 M ⁺

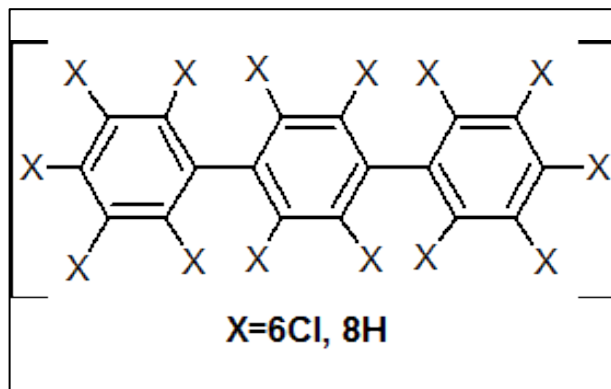
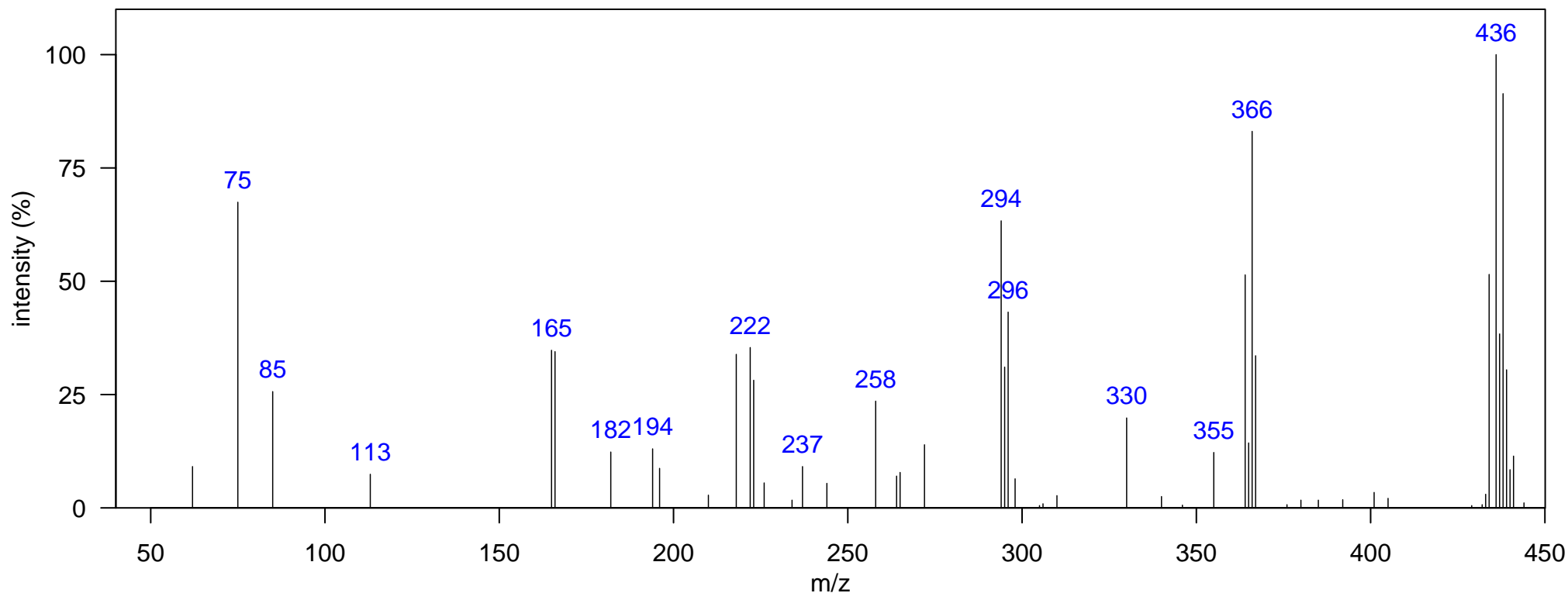
Name: terphenyl 6Cl 7

Class: PCT

Matrix: South Atlantic Dolphin Blubber
In N. Atlantic: FALSE, In N. Pacific: TRUE
Typically Monitored: FALSE
Comment: terphenyl 6Cl 5 (Pacific Library)

Instrument: GCxGC-TOF, EI, 70 eV
1D RT, 2D RT (s): 1768.33, 1.452
Quantitative Ion m/z: 438

Elemental Formula: C₁₈H₈Cl₆
Source: anthropogenic
Identification: Manual-Congener Group



m/z [Fragment]
364 [M-Cl ₂] ⁺
434 M ⁺

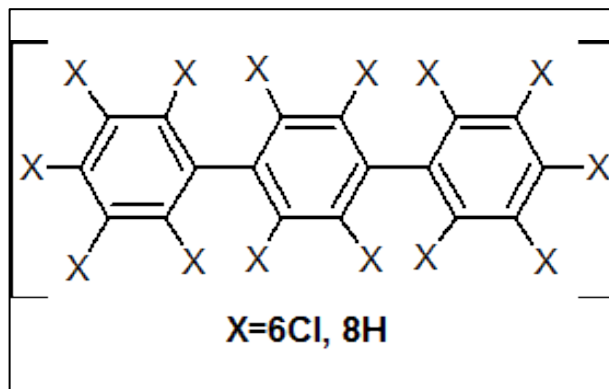
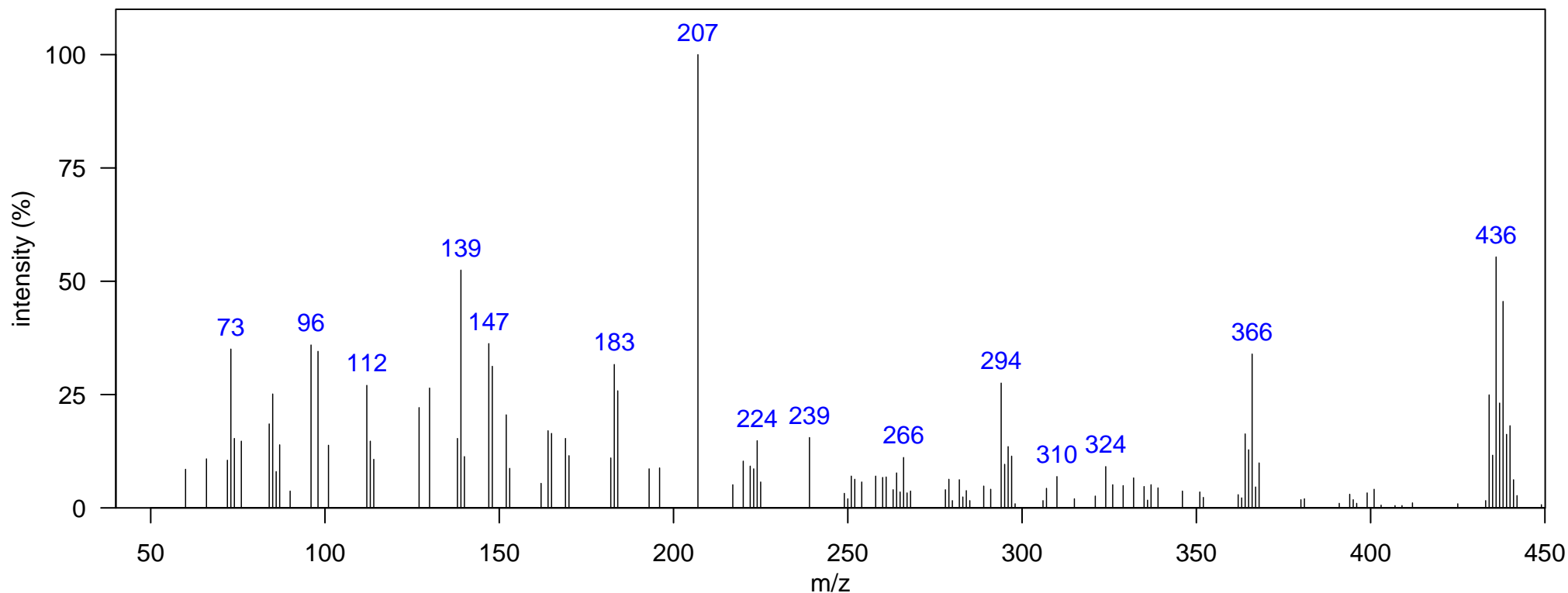
Name: terphenyl 6Cl 8

Class: PCT

Matrix: South Atlantic Dolphin Blubber
In N. Atlantic: FALSE, In N. Pacific: FALSE
Typically Monitored: FALSE
Comment:

Instrument: GCxGC-TOF, EI, 70 eV
1D RT, 2D RT (s): 1778.83, 1.525
Quantitative Ion m/z: 438

Elemental Formula: C₁₈H₈Cl₆
Source: anthropogenic
Identification: Manual-Congener Group



m/z [Fragment]

364 [M-Cl₂]⁺

434 M⁺

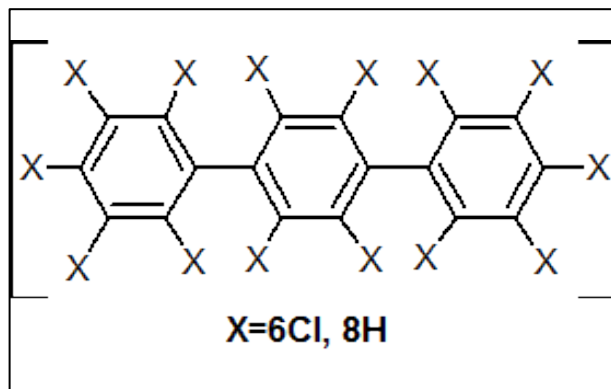
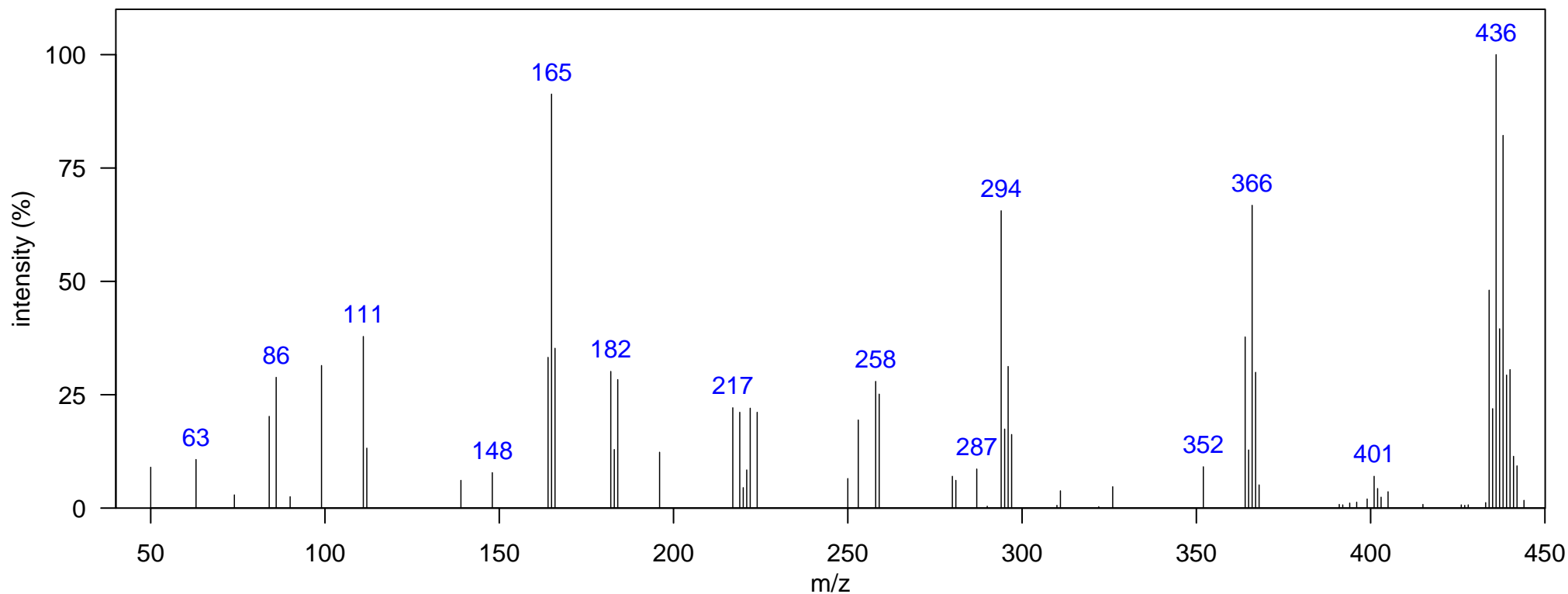
Name: terphenyl 6Cl 9

Class: PCT

Matrix: South Atlantic Dolphin Blubber
In N. Atlantic: FALSE, In N. Pacific: TRUE
Typically Monitored: FALSE
Comment: terphenyl 6Cl 6 (Pacific Library)

Instrument: GCxGC-TOF, EI, 70 eV
1D RT, 2D RT (s): 1782.32, 1.518
Quantitative Ion m/z: 438

Elemental Formula: C₁₈H₈Cl₆
Source: anthropogenic
Identification: Manual-Congener Group



m/z [Fragment]
364 [M-Cl ₂] ⁺
434 M ⁺

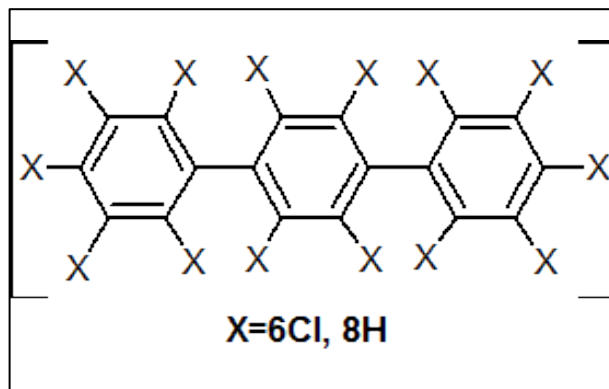
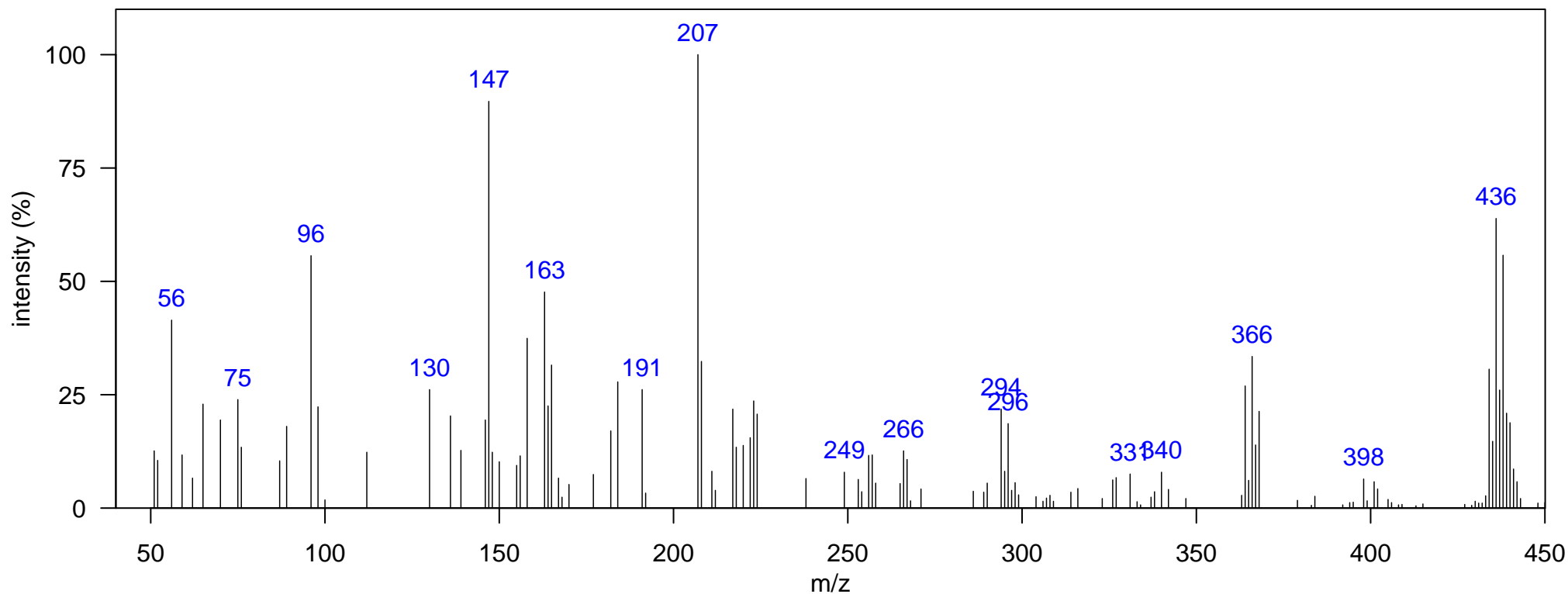
Name: terphenyl 6Cl 10

Class: PCT

Matrix: South Atlantic Dolphin Blubber
In N. Atlantic: FALSE, In N. Pacific: TRUE
Typically Monitored: FALSE
Comment: terphenyl 6Cl 7 (Pacific Library)

Instrument: GCxGC-TOF, EI, 70 eV
1D RT, 2D RT (s): 1789.32, 1.564
Quantitative Ion m/z: 438

Elemental Formula: C₁₈H₈Cl₆
Source: anthropogenic
Identification: Manual-Congener Group



m/z [Fragment]
364 [M-Cl ₂] ⁺
434 M ⁺

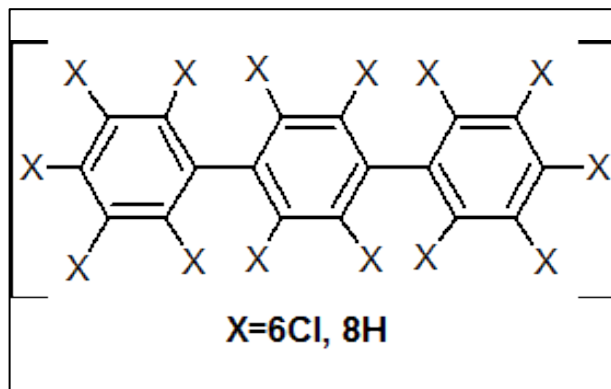
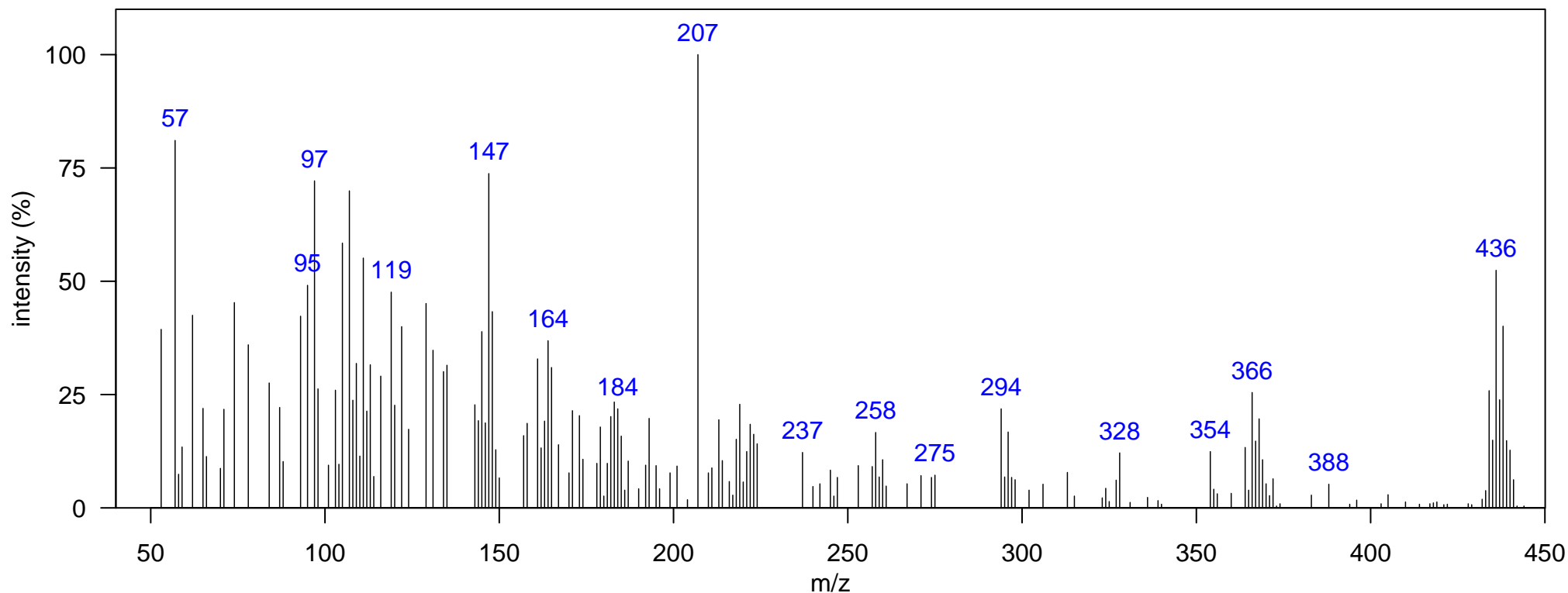
Name: terphenyl 6Cl 11

Class: PCT

Matrix: South Atlantic Dolphin Blubber
In N. Atlantic: FALSE, In N. Pacific: FALSE
Typically Monitored: FALSE
Comment:

Instrument: GCxGC-TOF, EI, 70 eV
1D RT, 2D RT (s): 1799.81, 1.485
Quantitative Ion m/z: 438

Elemental Formula: C₁₈H₈Cl₆
Source: anthropogenic
Identification: Manual-Congener Group



m/z [Fragment]
364 [M-Cl ₂] ⁺
434 M ⁺

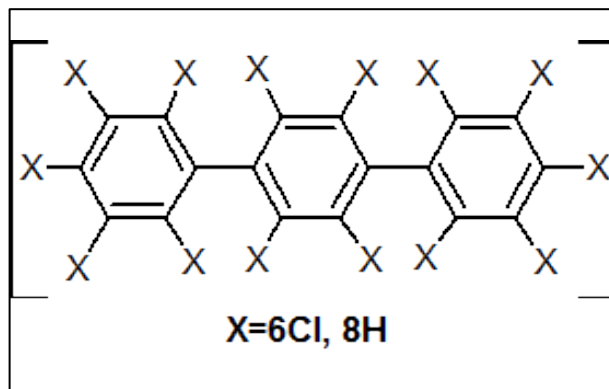
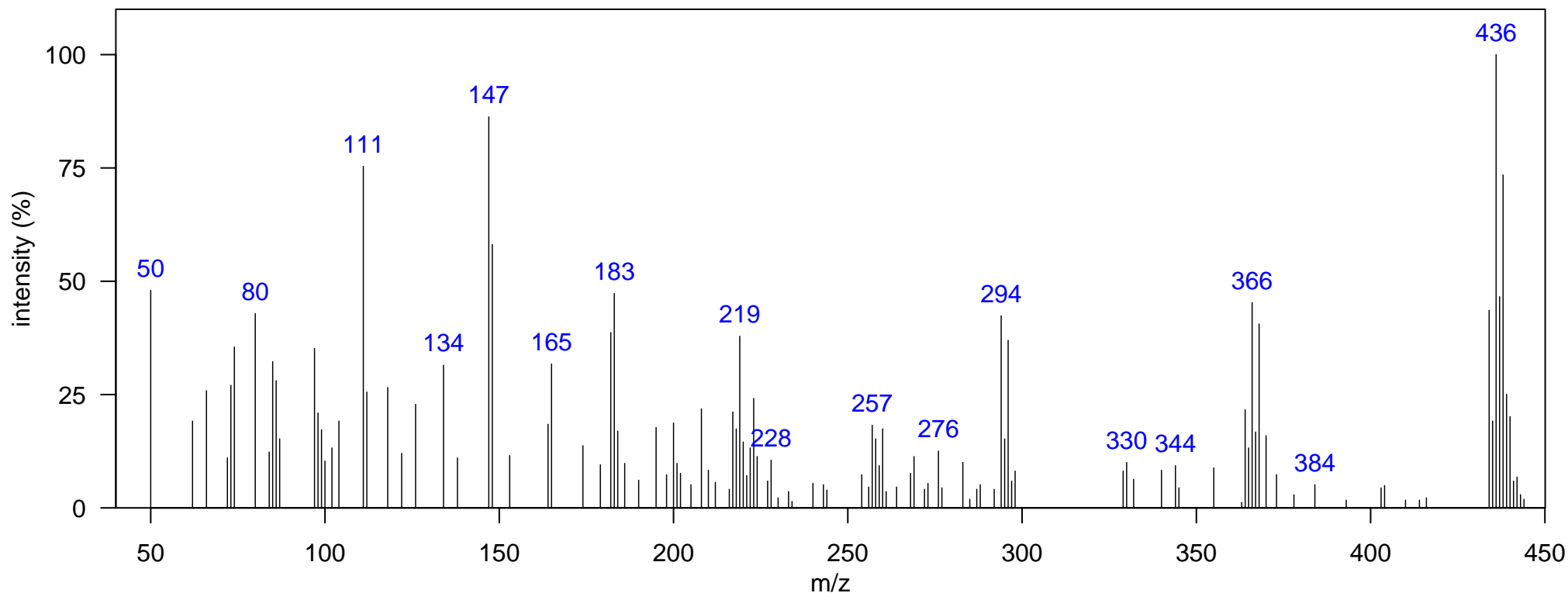
Name: terphenyl 6Cl 12

Class: PCT

Matrix: South Atlantic Dolphin Blubber
In N. Atlantic: FALSE, In N. Pacific: FALSE
Typically Monitored: FALSE
Comment:

Instrument: GCxGC-TOF, EI, 70 eV
1D RT, 2D RT (s): 1806.81, 1.485
Quantitative Ion m/z: 438

Elemental Formula: C₁₈H₈Cl₆
Source: anthropogenic
Identification: Manual-Congener Group



m/z [Fragment]

364 [M-Cl₂]⁺

434 M⁺

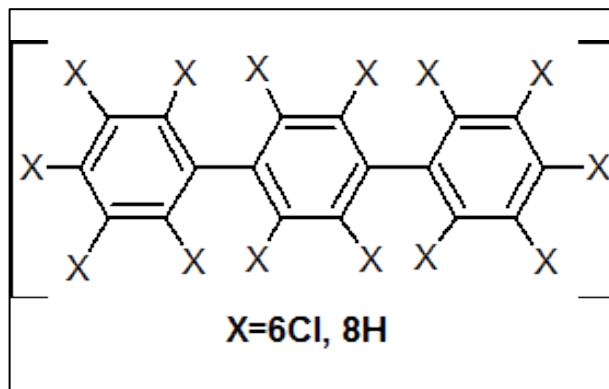
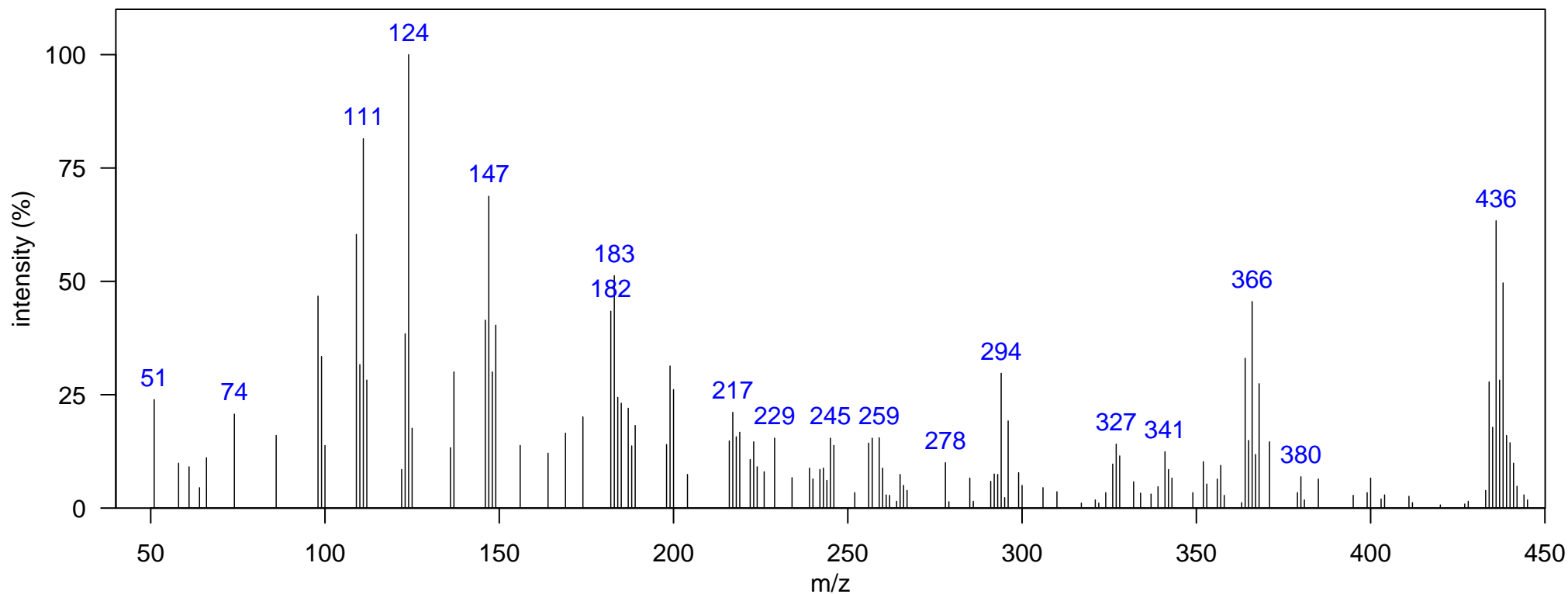
Name: terphenyl 6Cl 13

Class: PCT

Matrix: South Atlantic Dolphin Blubber
In N. Atlantic: FALSE, In N. Pacific: FALSE
Typically Monitored: FALSE
Comment:

Instrument: GCxGC-TOF, EI, 70 eV
1D RT, 2D RT (s): 1827.8, 1.637
Quantitative Ion m/z: 438

Elemental Formula: C₁₈H₈Cl₆
Source: anthropogenic
Identification: Manual-Congener Group



m/z [Fragment]

364 [M-Cl₂]⁺

434 M⁺

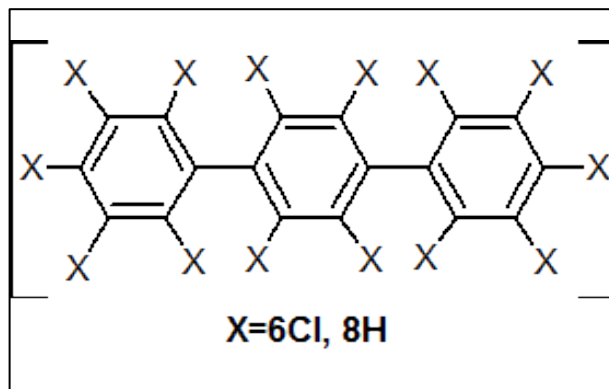
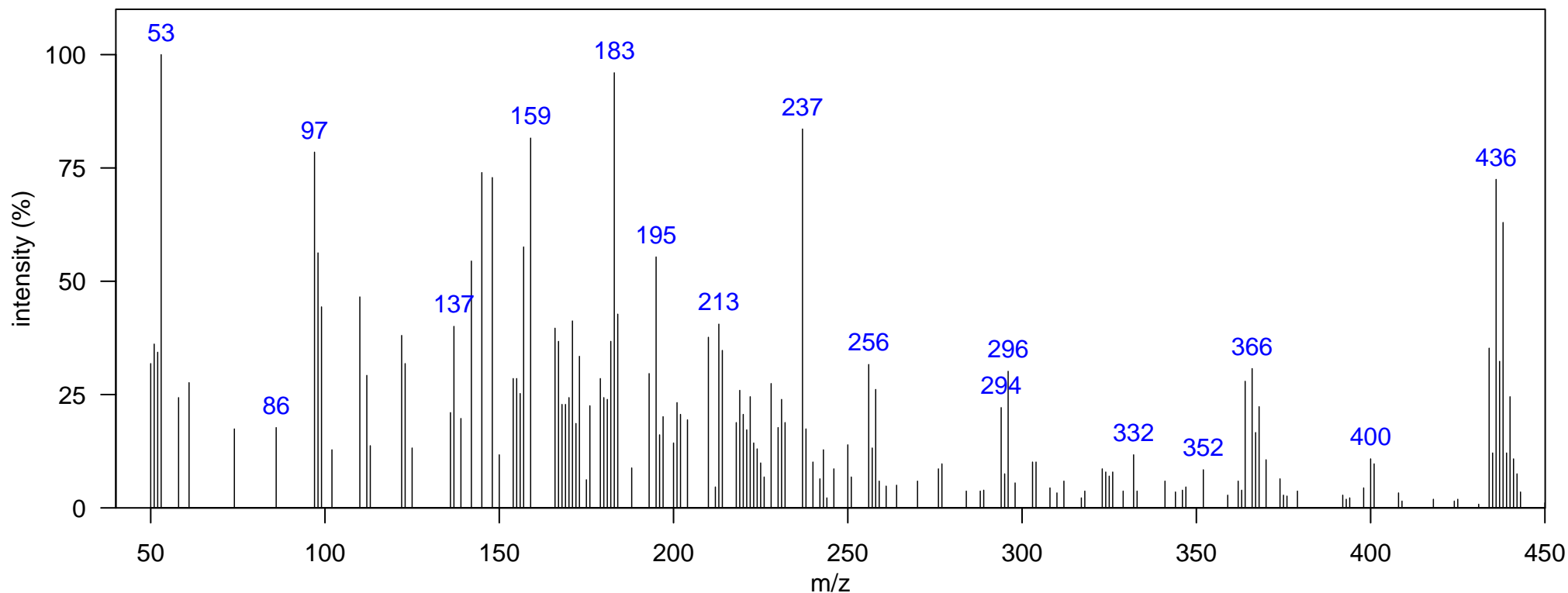
Name: terphenyl 6Cl 14

Class: PCT

Matrix: South Atlantic Dolphin Blubber
In N. Atlantic: FALSE, In N. Pacific: TRUE
Typically Monitored: FALSE
Comment: terphenyl 6Cl 8 (Pacific Library)

Instrument: GCxGC-TOF, EI, 70 eV
1D RT, 2D RT (s): 1838.29, 1.67
Quantitative Ion m/z: 438

Elemental Formula: C₁₈H₈Cl₆
Source: anthropogenic
Identification: Manual-Congener Group



m/z [Fragment]

364 [M-Cl₂]⁺
434 M⁺

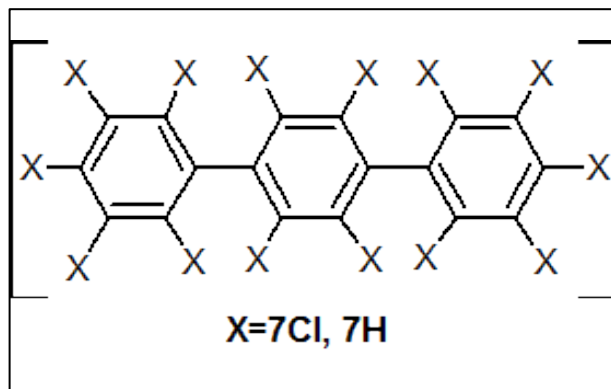
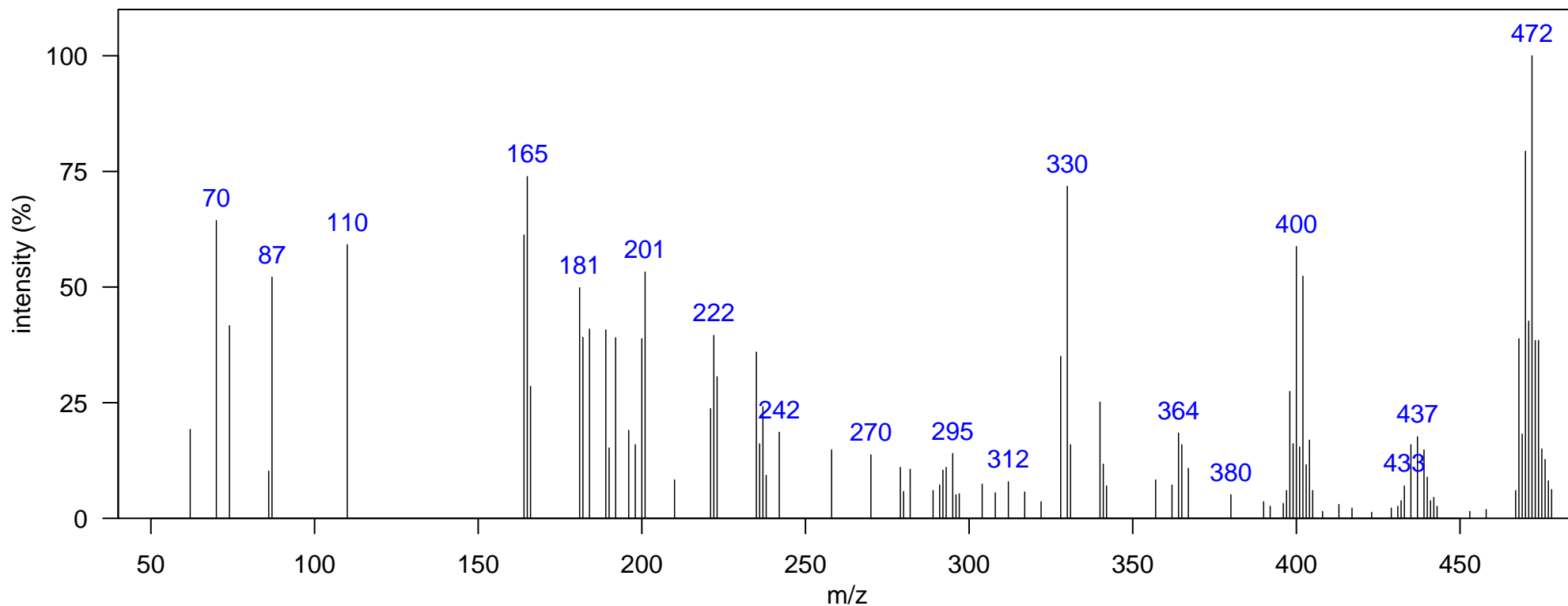
Name: terphenyl 7Cl 1

Class: PCT

Matrix: South Atlantic Dolphin Blubber
In N. Atlantic: FALSE, In N. Pacific: TRUE
Typically Monitored: FALSE
Comment: terphenyl 7Cl 2 (Pacific Library)

Instrument: GCxGC-TOF, EI, 70 eV
1D RT, 2D RT (s): 1785.82, 1.478
Quantitative Ion m/z: 470

Elemental Formula: C₁₈H₇Cl₇
Source: anthropogenic
Identification: Manual-Congener Group



m/z [Fragment]
398 [M-Cl ₂] ⁺
468 M ⁺

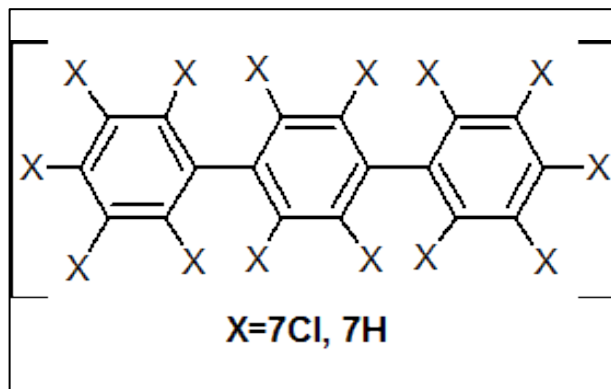
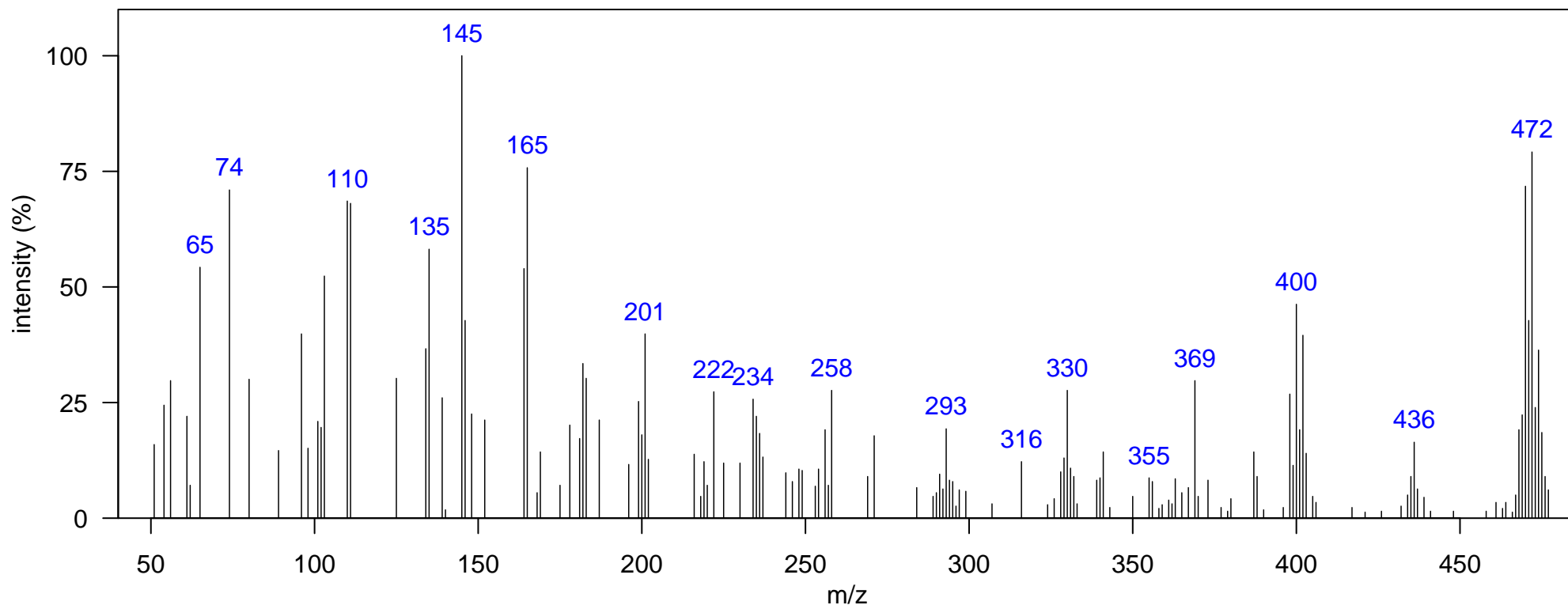
Name: terphenyl 7Cl 2

Class: PCT

Matrix: South Atlantic Dolphin Blubber
In N. Atlantic: FALSE, In N. Pacific: FALSE
Typically Monitored: FALSE
Comment:

Instrument: GCxGC-TOF, EI, 70 eV
1D RT, 2D RT (s): 1813.81, 1.584
Quantitative Ion m/z: 470

Elemental Formula: C₁₈H₇Cl₇
Source: anthropogenic
Identification: Manual-Congener Group



m/z [Fragment]
398 [M-Cl ₂] ⁺
468 M ⁺

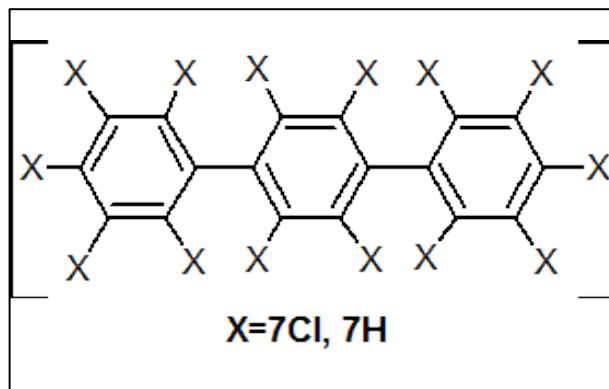
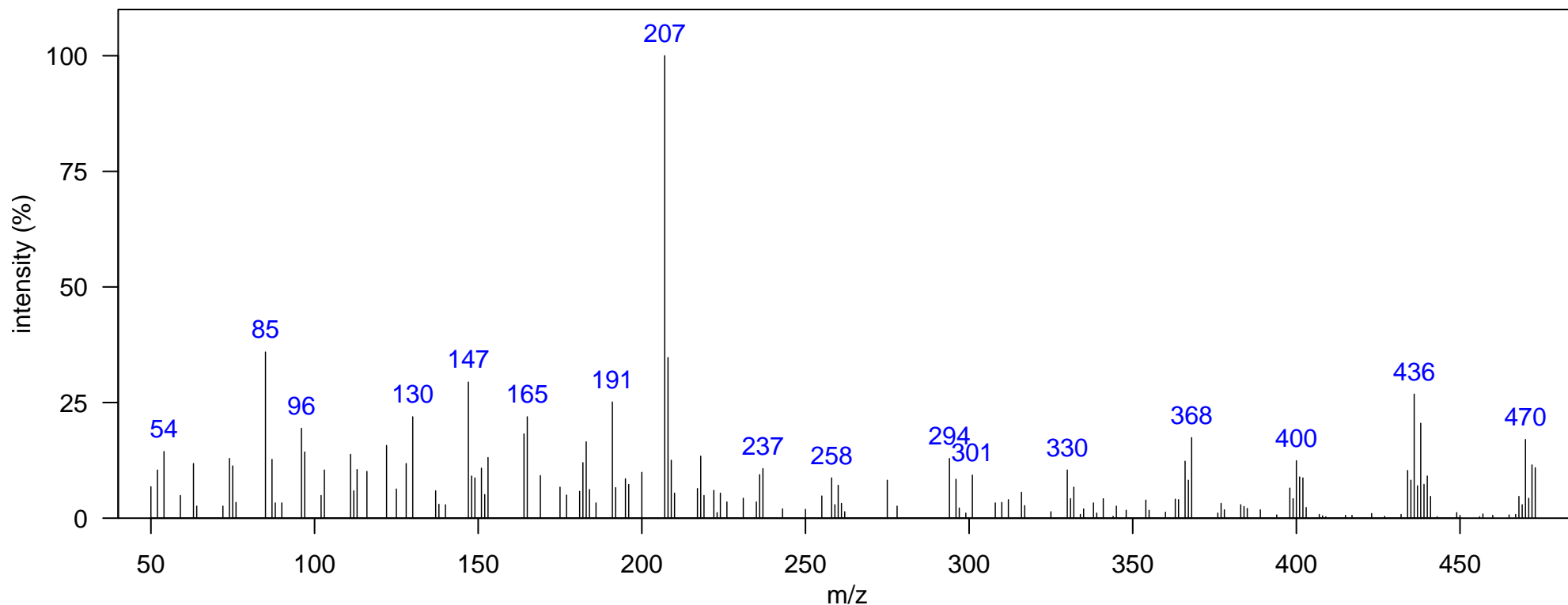
Name: terphenyl 7Cl 3

Class: PCT

Matrix: South Atlantic Dolphin Blubber
In N. Atlantic: FALSE, In N. Pacific: TRUE
Typically Monitored: FALSE
Comment: terphenyl 7Cl 4 (Pacific Library)

Instrument: GCxGC-TOF, EI, 70 eV
1D RT, 2D RT (s): 1820.8, 1.597
Quantitative Ion m/z: 470

Elemental Formula: C₁₈H₇Cl₇
Source: anthropogenic
Identification: Manual-Congener Group



m/z [Fragment]
398 [M-Cl ₂] ⁺
468 M ⁺

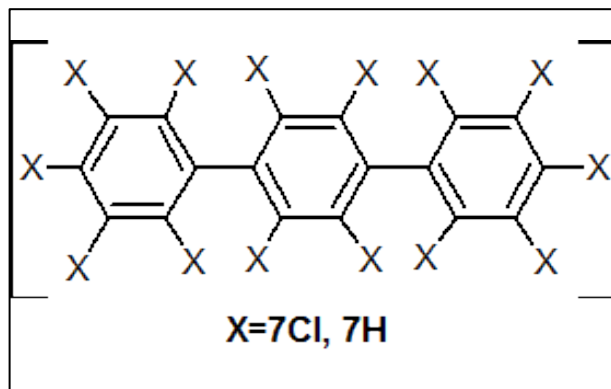
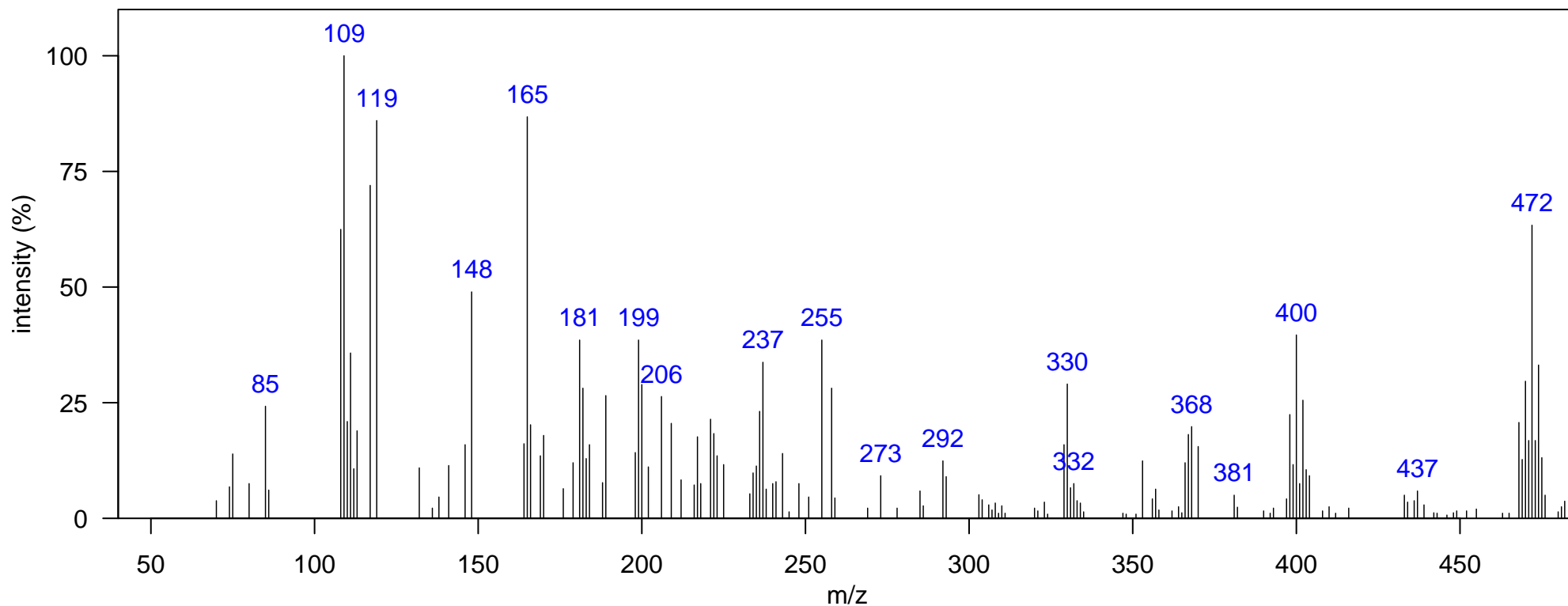
Name: terphenyl 7Cl 4

Class: PCT

Matrix: South Atlantic Dolphin Blubber
In N. Atlantic: FALSE, In N. Pacific: TRUE
Typically Monitored: FALSE
Comment: terphenyl 7Cl 8 (Pacific Library)

Instrument: GCxGC-TOF, EI, 70 eV
1D RT, 2D RT (s): 1887.26, 1.769
Quantitative Ion m/z: 470

Elemental Formula: C₁₈H₇Cl₇
Source: anthropogenic
Identification: Manual-Congener Group



m/z [Fragment]
398 [M-Cl ₂] ⁺
468 M ⁺

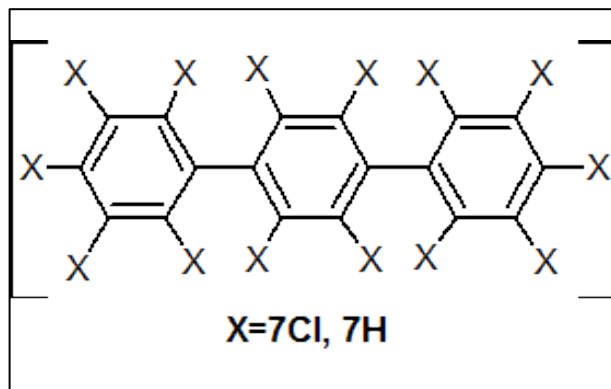
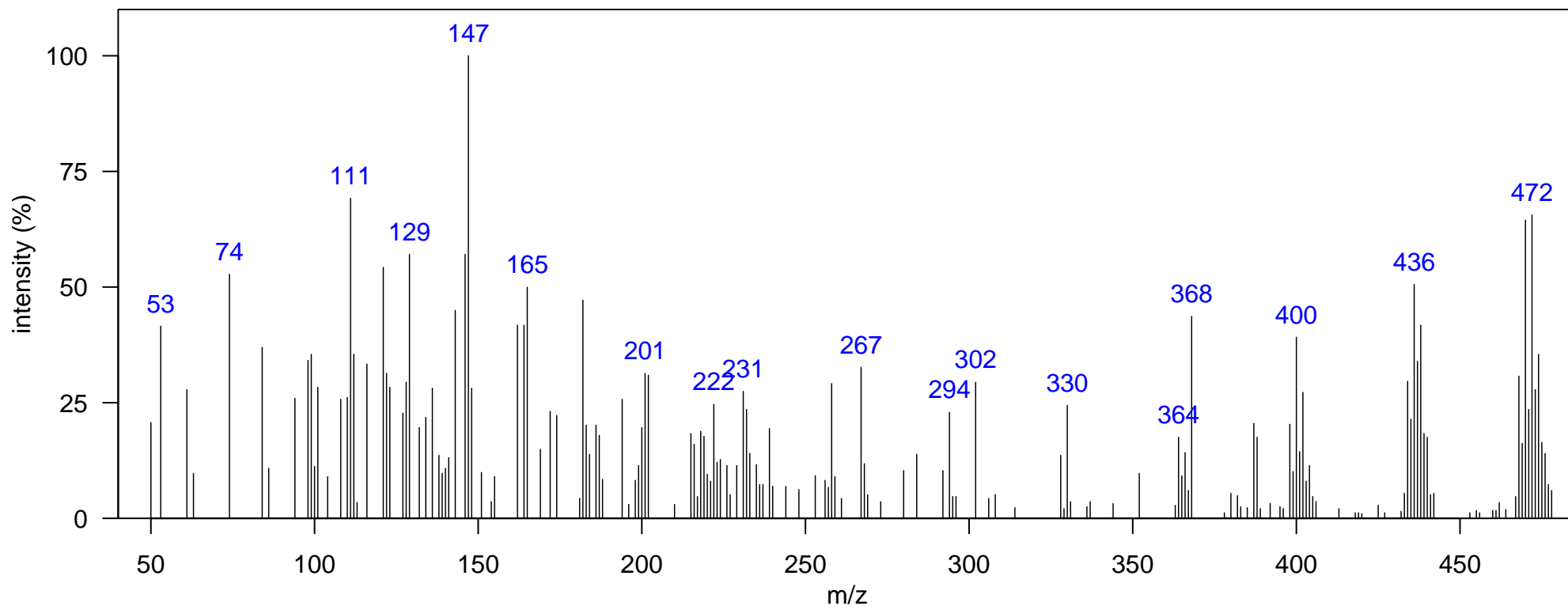
Name: terphenyl 7Cl 5

Class: PCT

Matrix: South Atlantic Dolphin Blubber
In N. Atlantic: FALSE, In N. Pacific: TRUE
Typically Monitored: FALSE
Comment: terphenyl 7Cl 9 (Pacific Library)

Instrument: GCxGC-TOF, EI, 70 eV
1D RT, 2D RT (s): 1890.76, 1.894
Quantitative Ion m/z: 470

Elemental Formula: C₁₈H₇Cl₇
Source: anthropogenic
Identification: Manual-Congener Group



m/z [Fragment]
398 [M-Cl ₂] ⁺
468 M ⁺

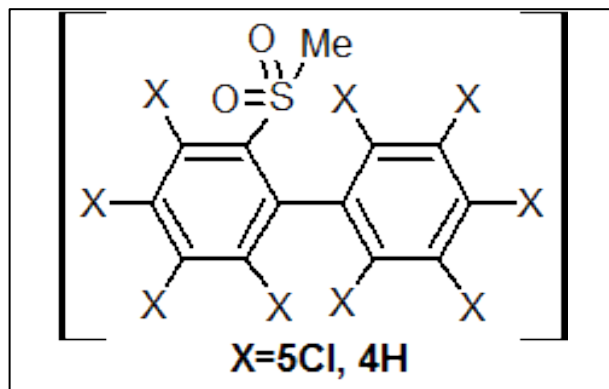
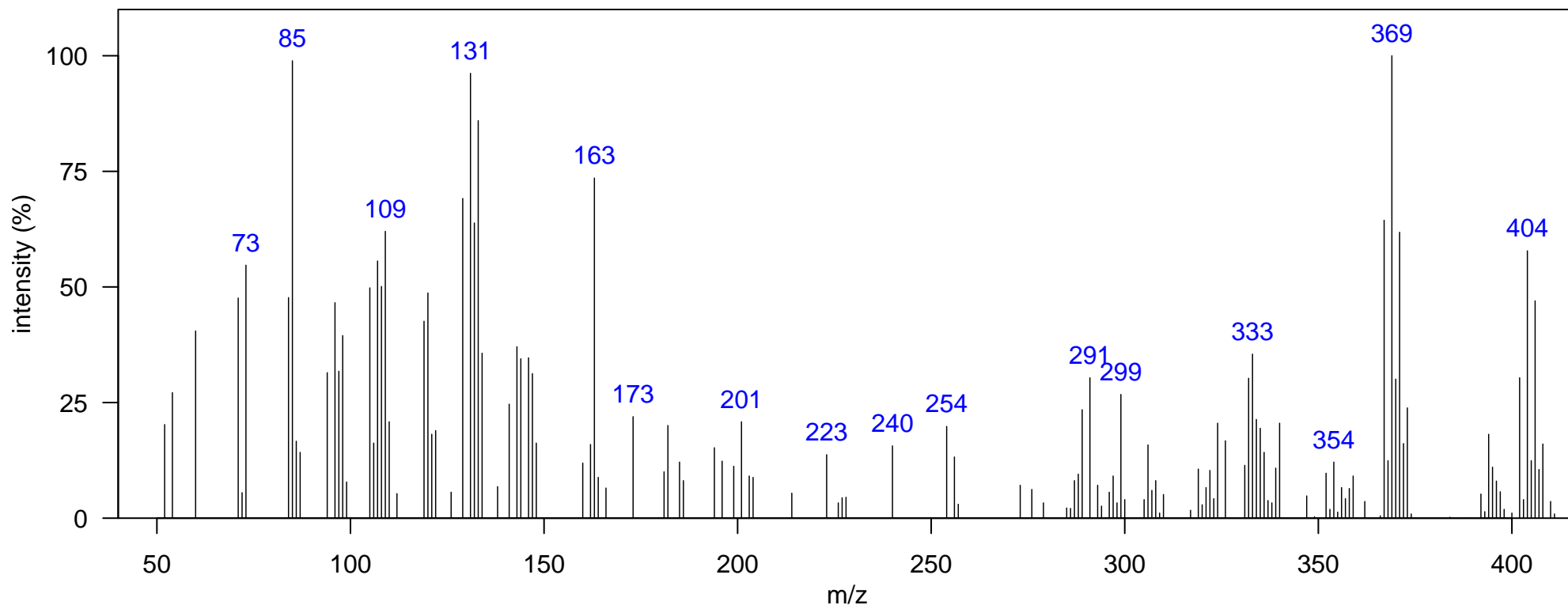
Name: methylsulfonylPCB 5Cl 1

Class: Methylsulfonyl-PCB

Matrix: South Atlantic Dolphin Blubber
In N. Atlantic: FALSE, In N. Pacific: FALSE
Typically Monitored: FALSE
Comment: 2',4,4',5,5'-Pentachloro-2-methylsulfonylbiphenyl

Instrument: GCxGC-TOF, EI, 70 eV
1D RT, 2D RT (s): 1491.99, 1.063
Quantitative Ion m/z: 404

Elemental Formula: C₁₃H₇Cl₅O₂S
Source: anthropogenic
Identification: Reference Database MS



m/z [Fragment]

288 [M-SO₂CH₃Cl]⁺
367 [M-CH₂SO]⁺
402 M⁺

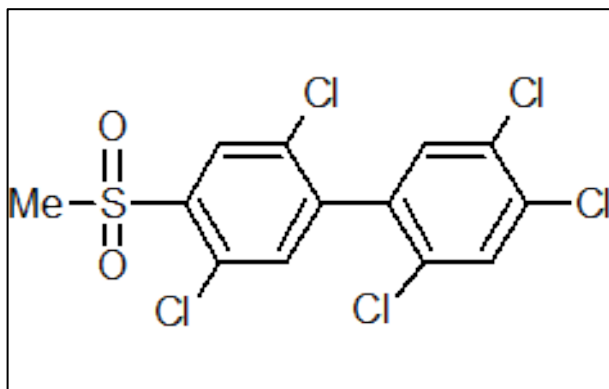
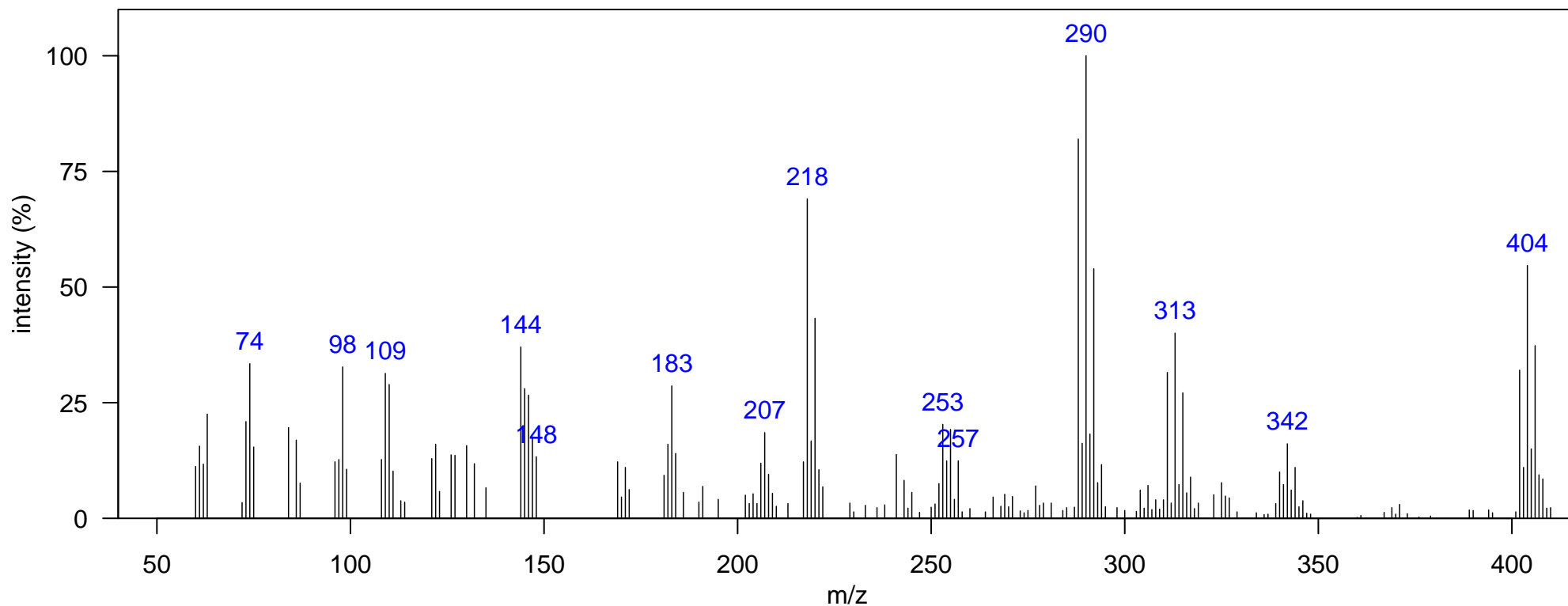
Name: methylsulfonylPCB-101

Class: Methylsulfonyl-PCB

Matrix: South Atlantic Dolphin Blubber
In N. Atlantic: FALSE, In N. Pacific: TRUE
Typically Monitored: FALSE
Comment:

Instrument: GCxGC-TOF, EI, 70 eV
1D RT, 2D RT (s): 1687.88, 1.597
Quantitative Ion m/z: 404

Elemental Formula: C₁₃H₇Cl₅O₂S
Source: anthropogenic
Identification: Authentic MS RT



m/z [Fragment]

288 [M-SO₂CH₃Cl]⁺
340 [M-CH₂SO]⁺
402 M⁺

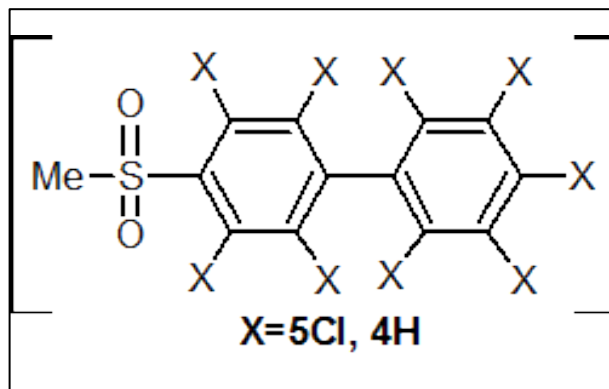
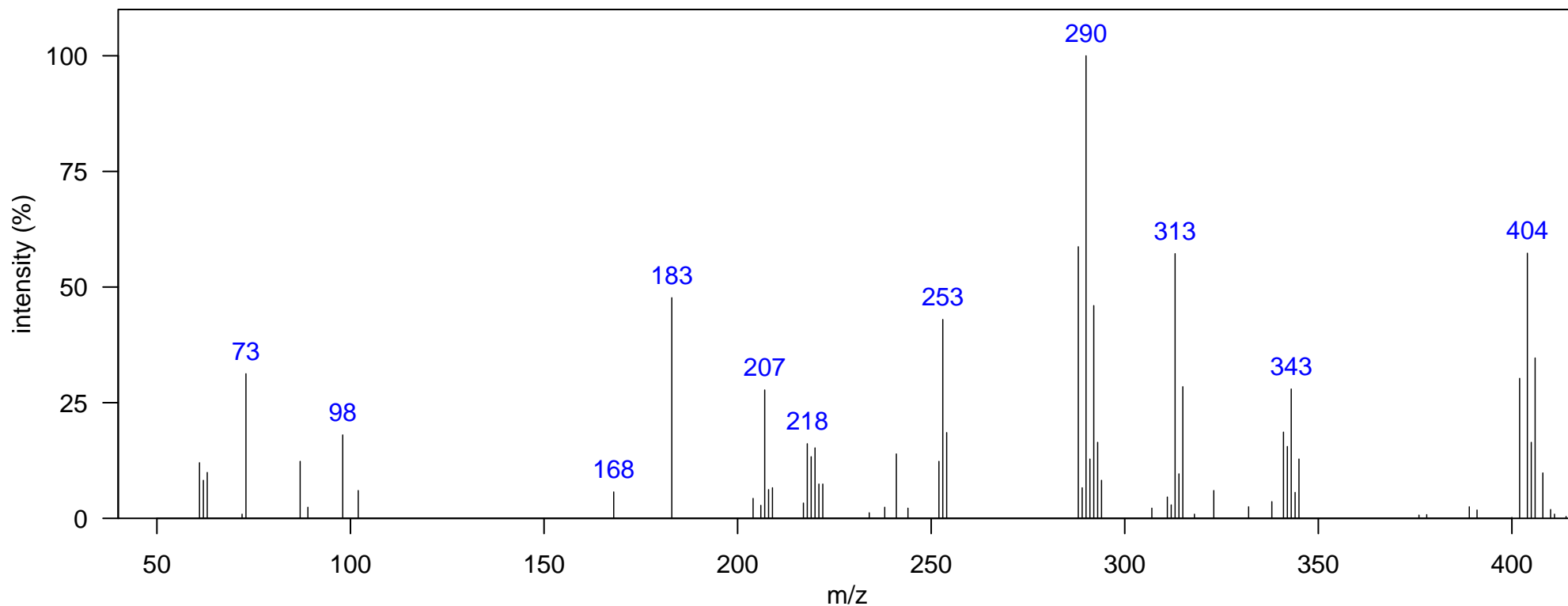
Name: methylsulfonylPCB 5Cl 2

Class: Methylsulfonyl-PCB

Matrix: South Atlantic Dolphin Blubber
In N. Atlantic: FALSE, In N. Pacific: TRUE
Typically Monitored: FALSE
Comment: methylsulfonylPCB 5Cl 1 (Pacific Library)

Instrument: GCxGC-TOF, EI, 70 eV
1D RT, 2D RT (s): 1708.87, 1.584
Quantitative Ion m/z: 404

Elemental Formula: C₁₃H₇Cl₅O₂S
Source: anthropogenic
Identification: Authentic MS



m/z [Fragment]
288 [M-SO ₂ CH ₃ Cl] ⁺
340 [M-CH ₂ SO] ⁺
402 M ⁺

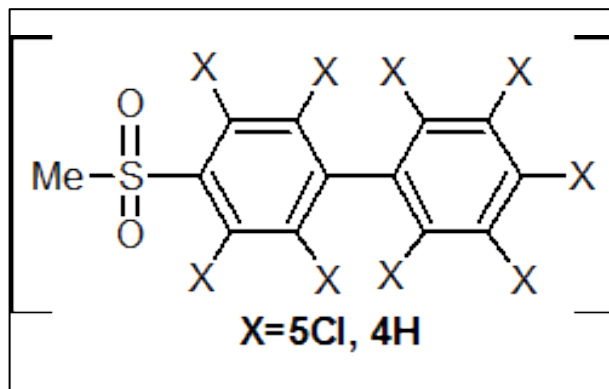
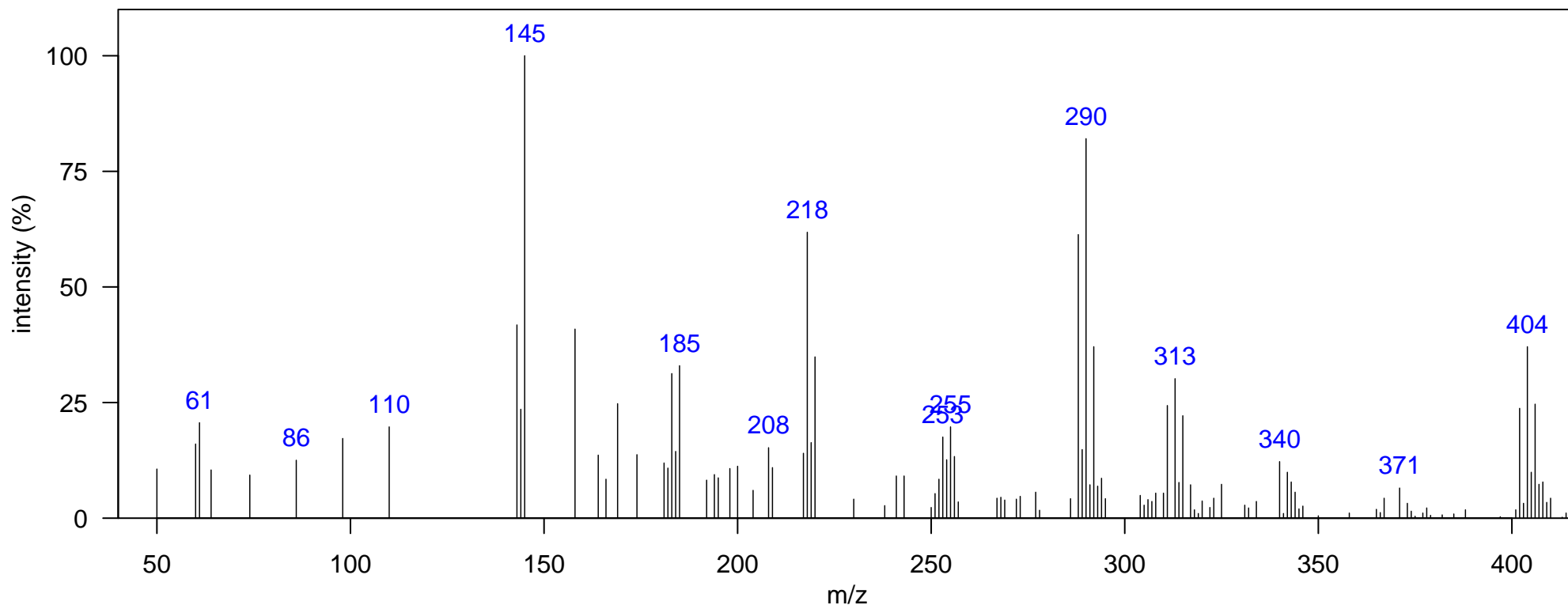
Name: methylsulfonylPCB 5Cl 3

Class: Methylsulfonyl-PCB

Matrix: South Atlantic Dolphin Blubber
In N. Atlantic: FALSE, In N. Pacific: TRUE
Typically Monitored: FALSE
Comment: methylsulfonylPCB 5Cl 2 (Pacific Library)

Instrument: GCxGC-TOF, EI, 70 eV
1D RT, 2D RT (s): 1729.85, 1.61
Quantitative Ion m/z: 404

Elemental Formula: C₁₃H₇Cl₅O₂S
Source: anthropogenic
Identification: Authentic MS



m/z [Fragment]

288 [M-SO₂CH₃Cl]⁺
340 [M-CH₂SO]⁺
402 M⁺

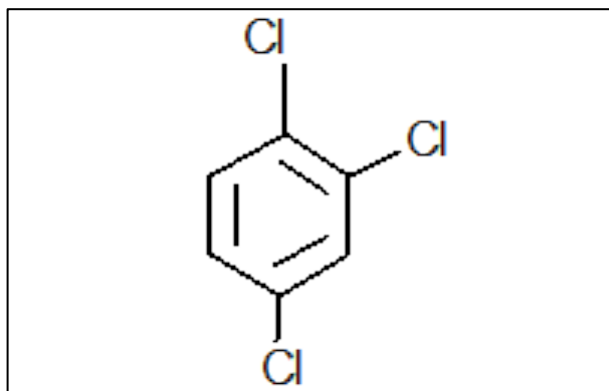
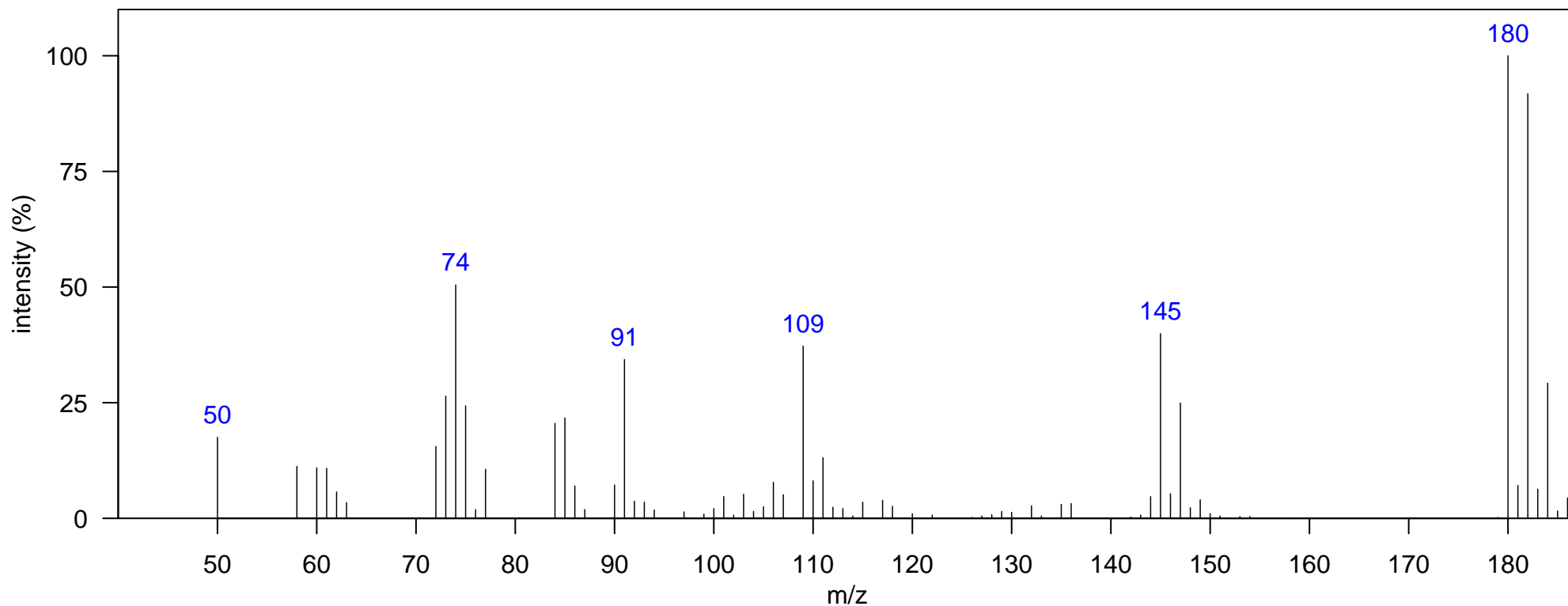
Name: 1,2,4-trichlorobenzene

Class: Chlorinated benzene

Matrix: South Atlantic Dolphin Blubber
In N. Atlantic: FALSE, In N. Pacific: TRUE
Typically Monitored: FALSE
Comment:

Instrument: GCxGC-TOF, EI, 70 eV
1D RT, 2D RT (s): 687.45, 0.772
Quantitative Ion m/z: 182

Elemental Formula: C₆H₃Cl₃
Source: anthropogenic
Identification: Authentic MS RT



m/z [Fragment]
145 [M-Cl] ⁺
180 M ⁺

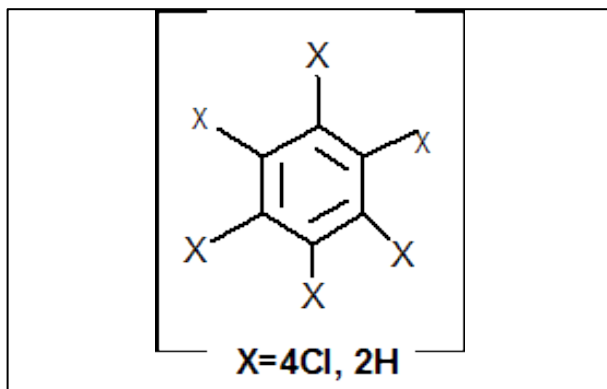
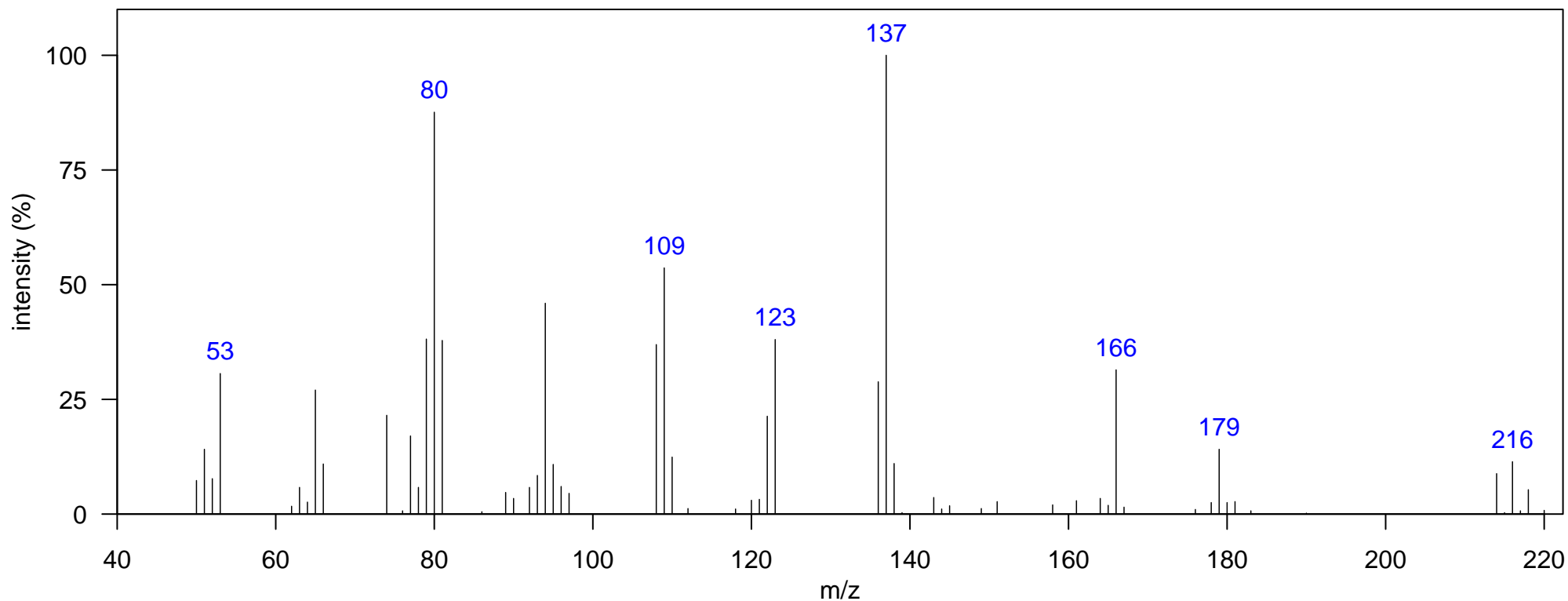
Name: tetrachlorobenzene

Class: Chlorinated benzene

Matrix: South Atlantic Dolphin Blubber
In N. Atlantic: FALSE, In N. Pacific: TRUE
Typically Monitored: FALSE
Comment:

Instrument: GCxGC-TOF, EI, 70 eV
1D RT, 2D RT (s): 820.374, 0.792
Quantitative Ion m/z: 216

Elemental Formula: C₆H₂Cl₄
Source: anthropogenic
Identification: Authentic MS



m/z [Fragment]
179 [M-Cl] ⁺
214 M ⁺

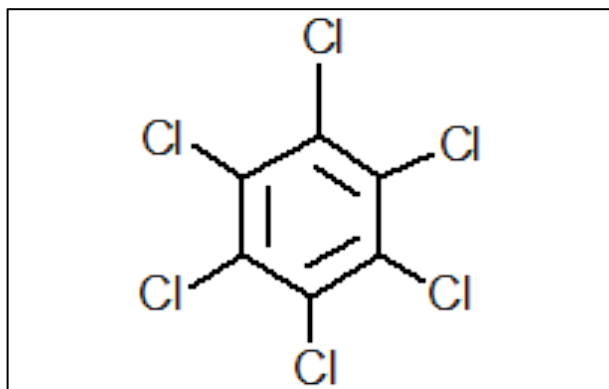
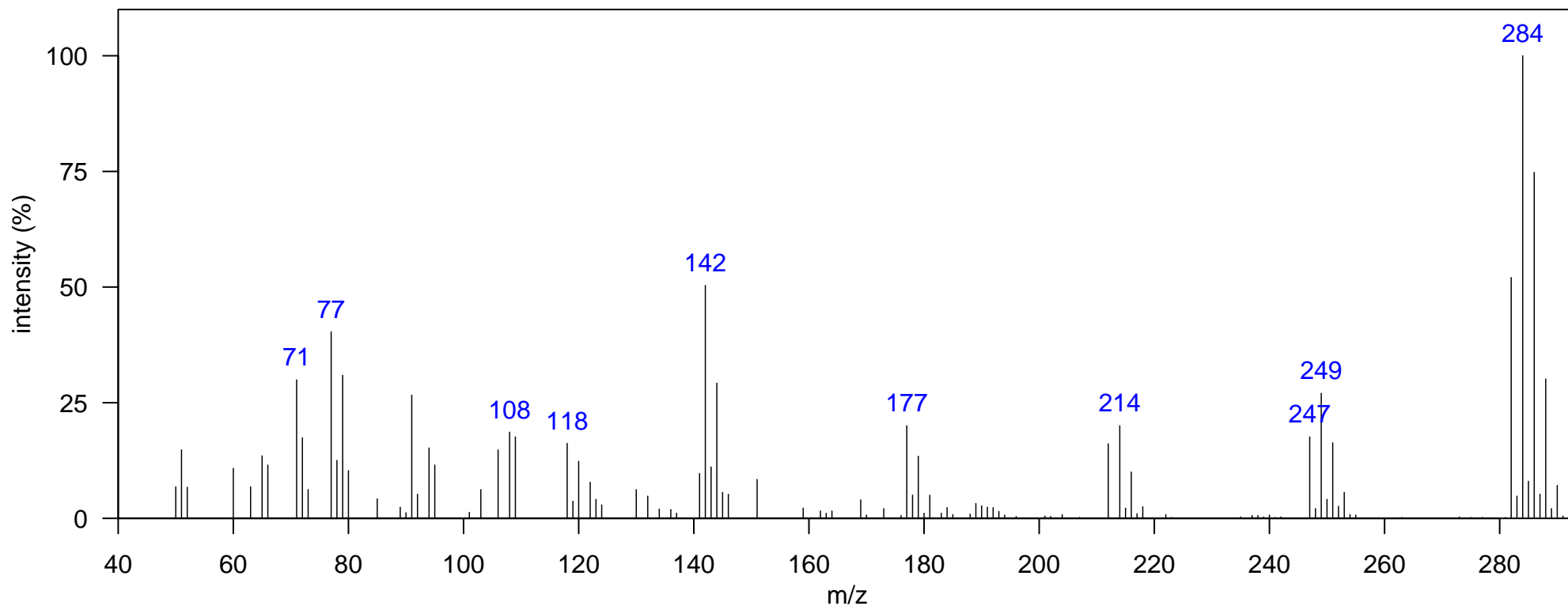
Name: hexachlorobenzene

Class: Chlorinated benzene

Matrix: South Atlantic Dolphin Blubber
In N. Atlantic: TRUE, In N. Pacific: TRUE
Typically Monitored: TRUE
Comment:

Instrument: GCxGC-TOF, EI, 70 eV
1D RT, 2D RT (s): 1100.21, 0.878
Quantitative Ion m/z: 284

Elemental Formula: C₆Cl₆
Source: anthropogenic
Identification: Authentic MS RT



m/z [Fragment]

247 [M-Cl]⁺
282 M⁺

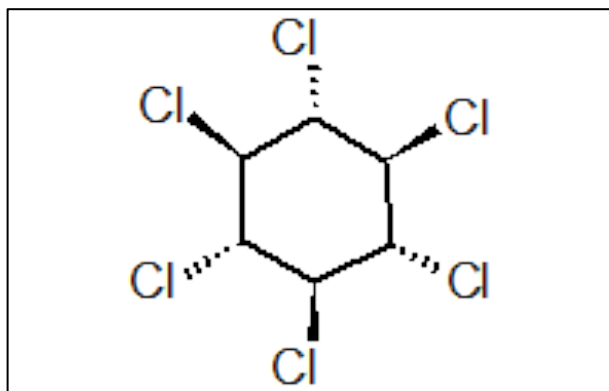
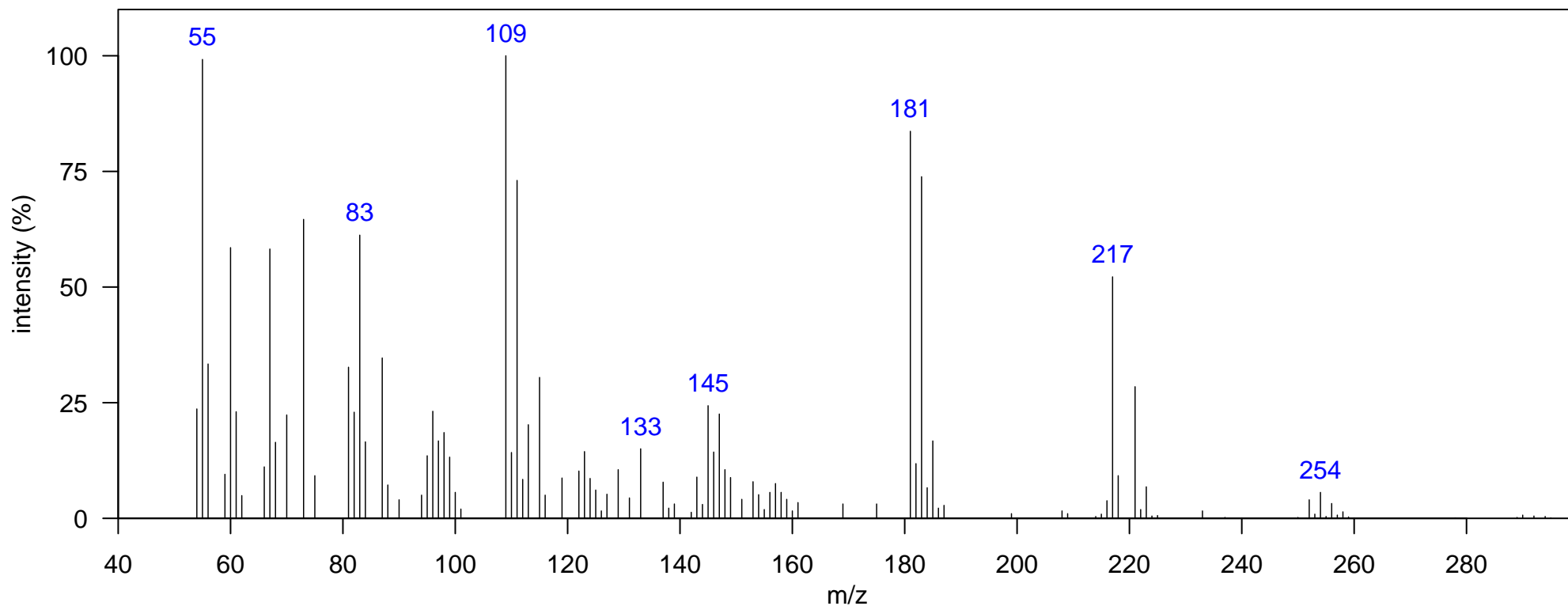
Name: beta HCH

Class: HCH-related

Matrix: South Atlantic Dolphin Blubber
In N. Atlantic: FALSE, In N. Pacific: TRUE
Typically Monitored: TRUE
Comment: beta BHC (Pacific Library)

Instrument: GCxGC-TOF, EI, 70 eV
1D RT, 2D RT (s): 1124.7, 1.01
Quantitative Ion m/z: 219

Elemental Formula: C₆H₆Cl₆
Source: anthropogenic
Identification: Authentic MS RT



m/z [Fragment]
252 [M-HCl] ⁺

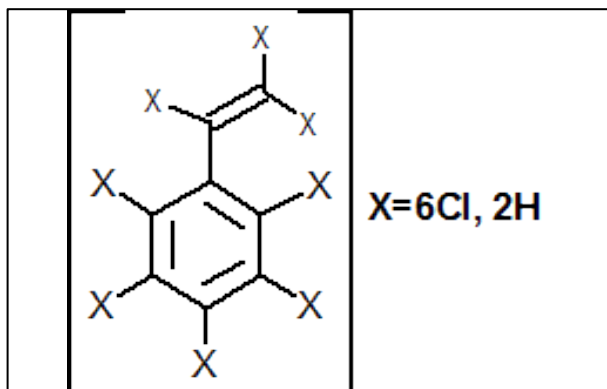
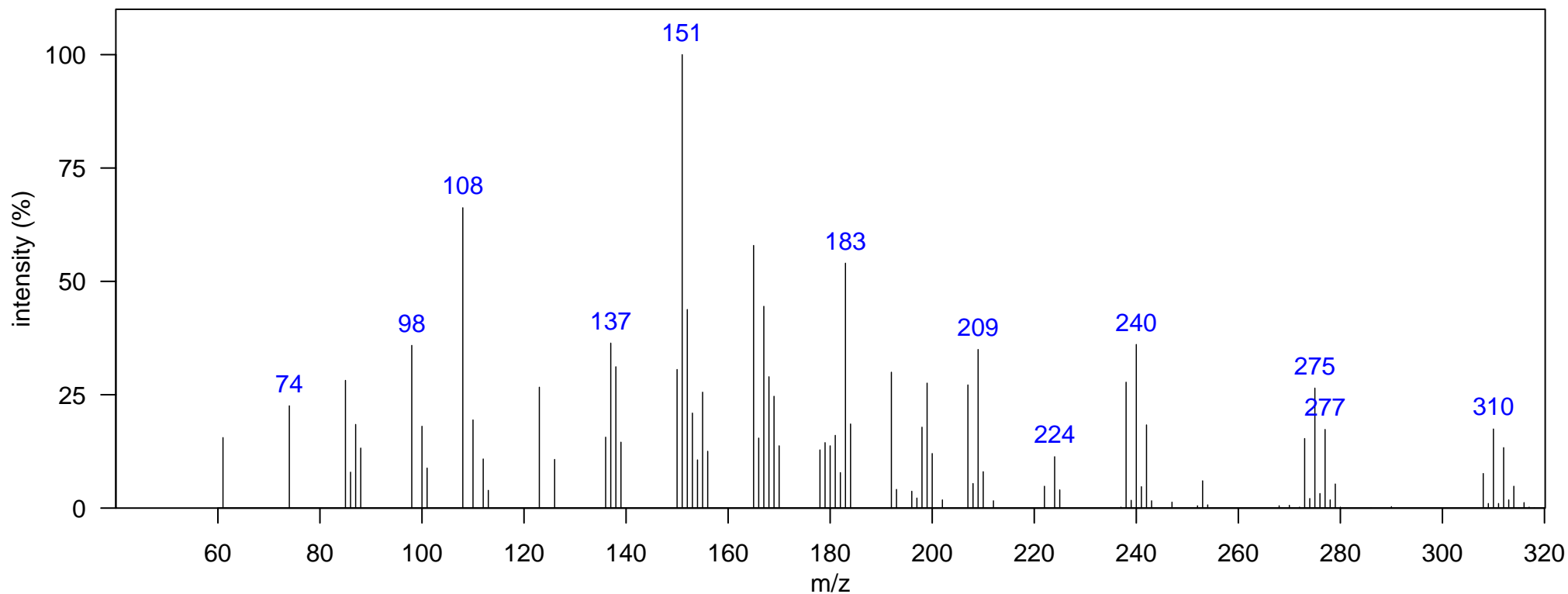
Name: polychlorinated styrene 6Cl

Class: Chlorinated styrene

Matrix: South Atlantic Dolphin Blubber
In N. Atlantic: TRUE, In N. Pacific: FALSE
Typically Monitored: FALSE
Comment:

Instrument: GCxGC-TOF, EI, 70 eV
1D RT, 2D RT (s): 1068.73, 0.858
Quantitative Ion m/z: 310

Elemental Formula: C₈H₂Cl₆
Source: anthropogenic
Identification: Authentic MS



m/z [Fragment]
273 [M-Cl] ⁺
308 M ⁺

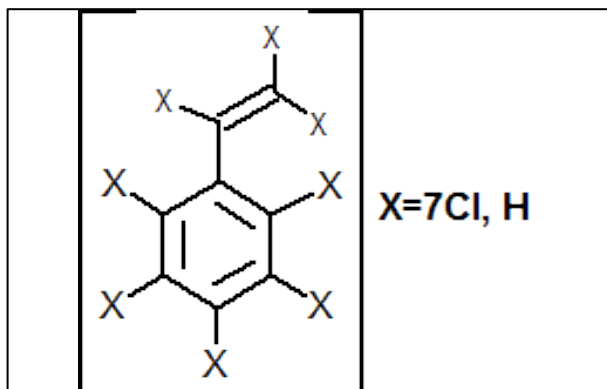
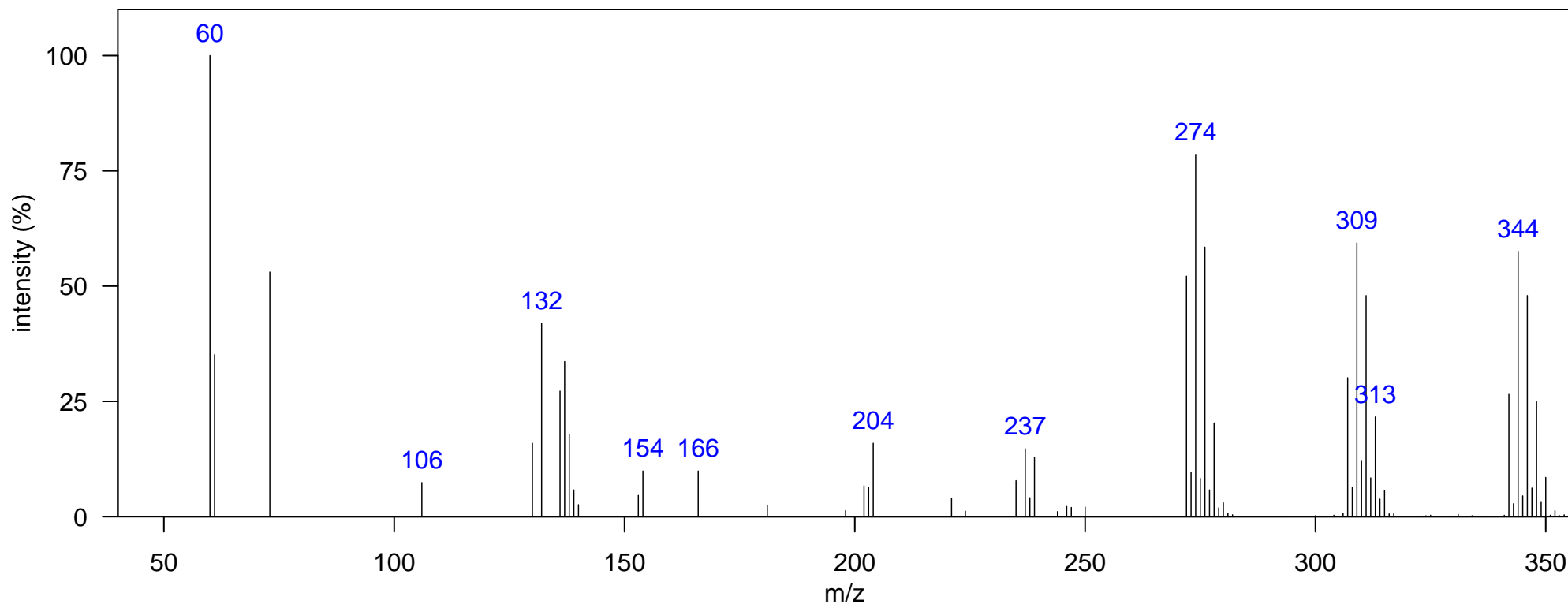
Name: polychlorinated styrene 7Cl

Class: Chlorinated styrene

Matrix: South Atlantic Dolphin Blubber
In N. Atlantic: TRUE, In N. Pacific: TRUE
Typically Monitored: FALSE
Comment:

Instrument: GCxGC-TOF, EI, 70 eV
1D RT, 2D RT (s): 1184.17, 0.891
Quantitative Ion m/z: 344

Elemental Formula: C₈HCl₇
Source: anthropogenic
Identification: Authentic MS



m/z [Fragment]
307 [M-Cl] ⁺
342 M ⁺

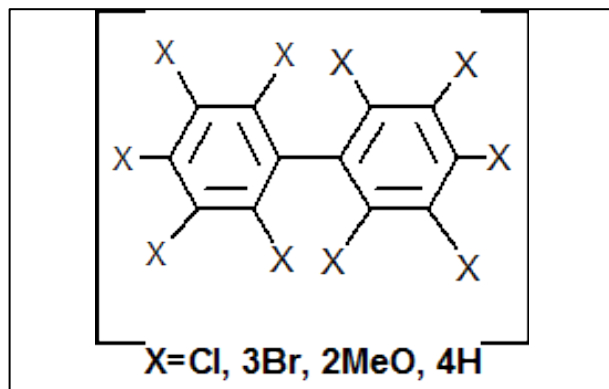
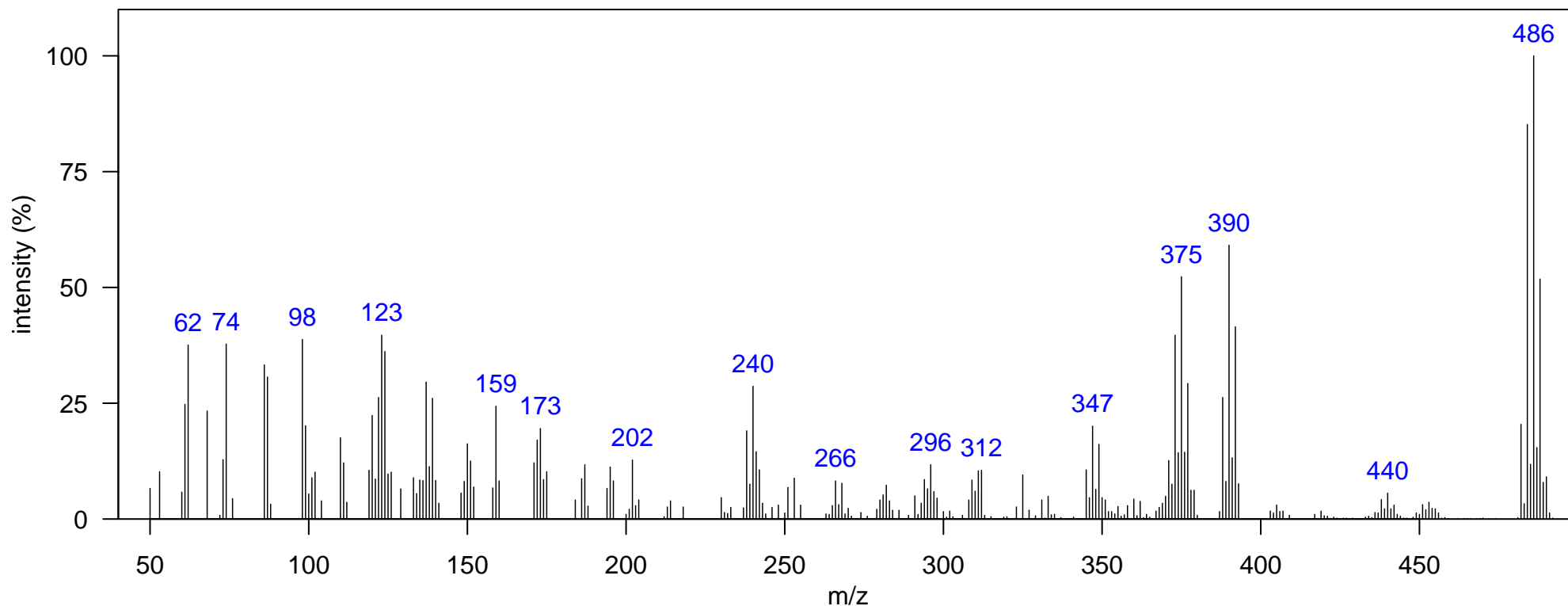
Name: di-MeOBB-Br3Cl

Class: 2MeO-Biphenyl-U

Matrix: South Atlantic Dolphin Blubber
In N. Atlantic: FALSE, In N. Pacific: FALSE
Typically Monitored: FALSE
Comment:

Instrument: GCxGC-TOF, EI, 70 eV
1D RT, 2D RT (s): 1530.47, 1.115
Quantitative Ion m/z: 486

Elemental Formula: C₁₄H₁₀Br₃ClO₂
Source: unknown
Identification: NA



m/z [Fragment]

373 [M-CH₃-CH₃-Br]⁺
388 [M-CH₃-Br]⁺
482 M⁺

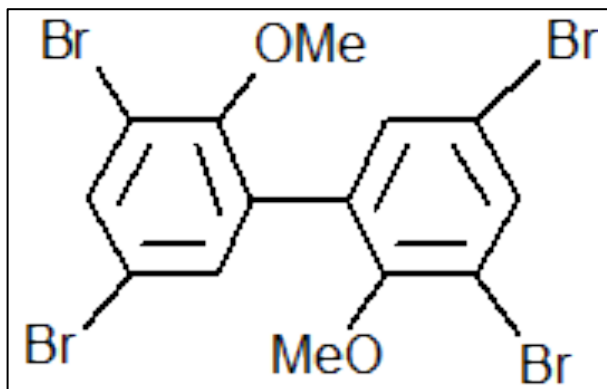
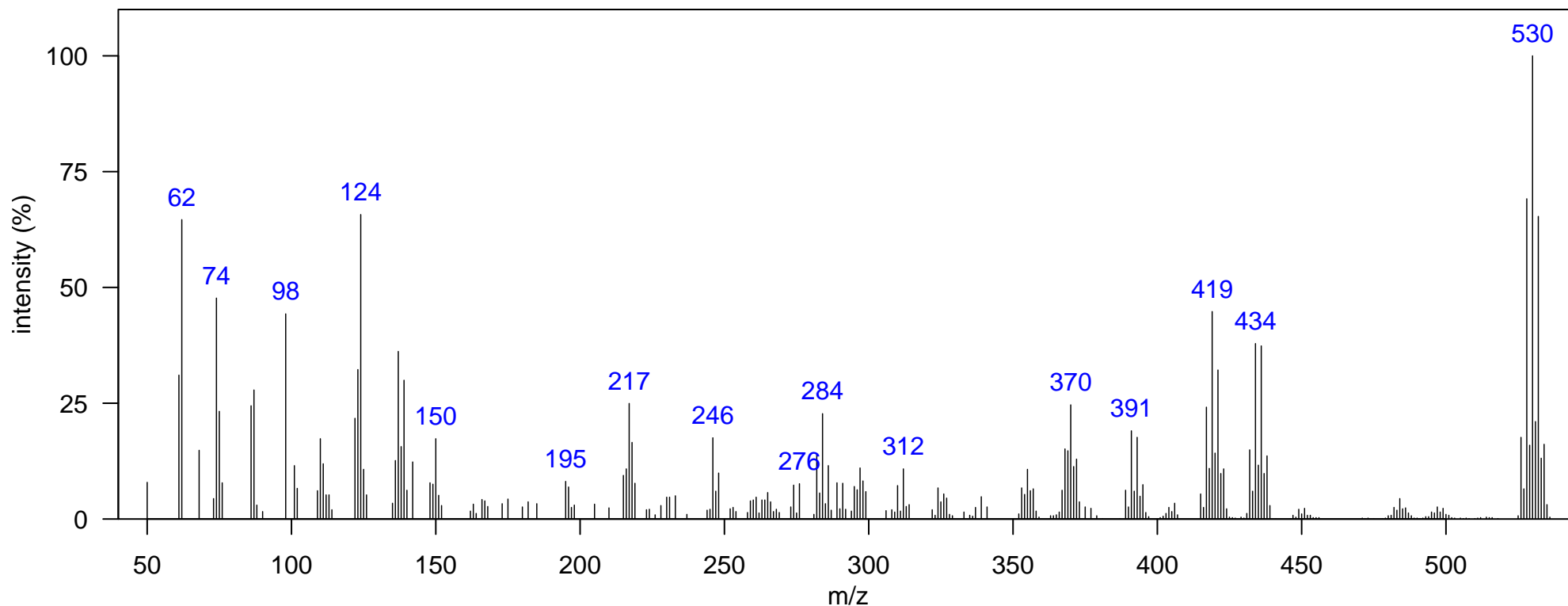
Name: di-MeOPBB-80

Class: 2MeO-Biphenyl-N

Matrix: South Atlantic Dolphin Blubber
In N. Atlantic: TRUE, In N. Pacific: TRUE
Typically Monitored: FALSE
Comment:

Instrument: GCxGC-TOF, EI, 70 eV
1D RT, 2D RT (s): 1582.94, 1.274
Quantitative Ion m/z: 530

Elemental Formula: C₁₄H₁₀Br₄O₂
Source: natural
Identification: Authentic MS RT



m/z [Fragment]

417 [M-CH₃-CH₃-Br]⁺
432 [M-CH₃-Br]⁺
526 M⁺

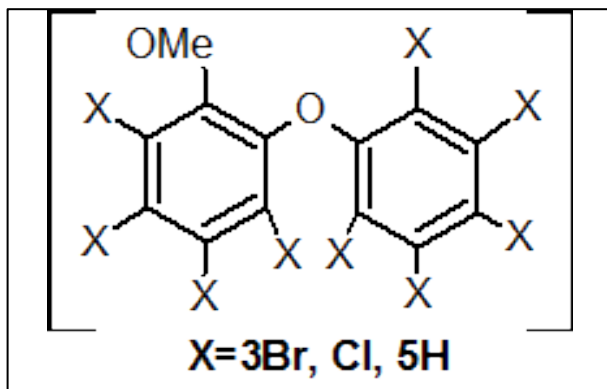
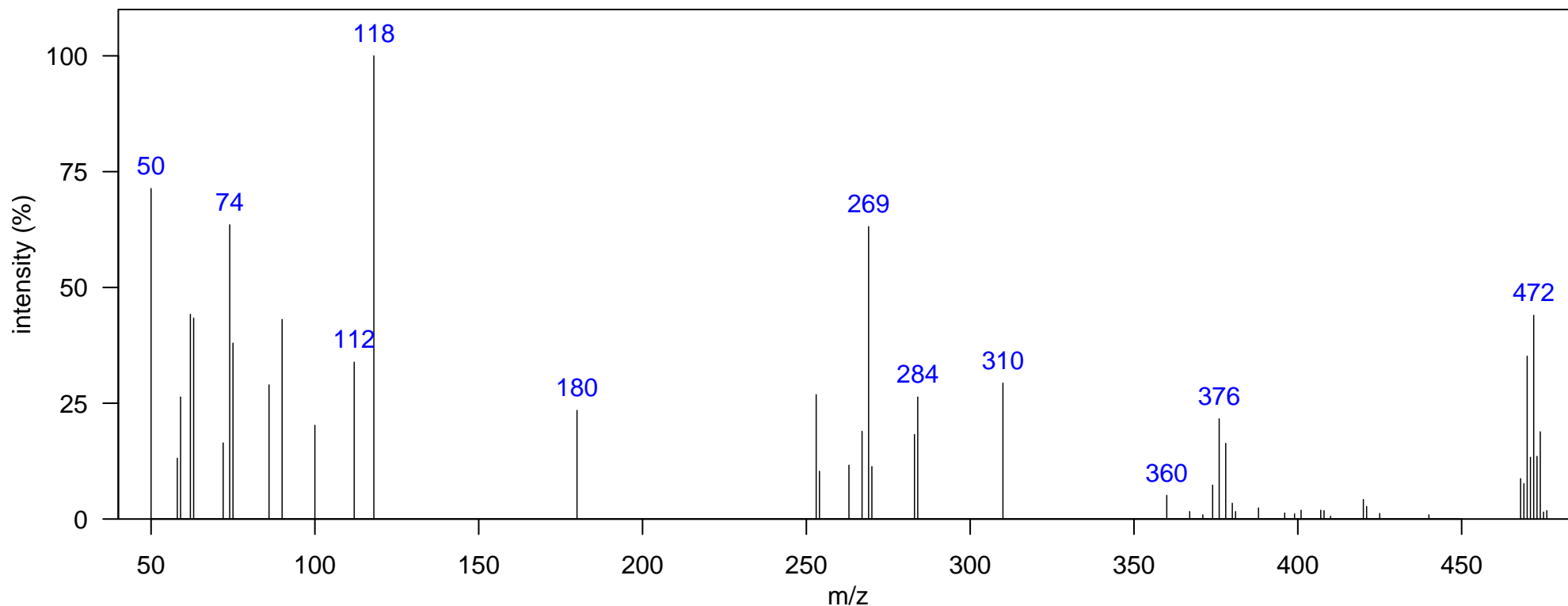
Name: MeOBCDE Br3Cl 1

Class: MeO-B/CDE

Matrix: South Atlantic Dolphin Blubber
In N. Atlantic: FALSE, In N. Pacific: TRUE
Typically Monitored: FALSE
Comment: unknown-33 (Pacific Library)

Instrument: GCxGC-TOF, EI, 70 eV
1D RT, 2D RT (s): 1544.46, 1.241
Quantitative Ion m/z: 472

Elemental Formula: C₁₃H₈Br₃ClO₂
Source: natural
Identification: Manual-Congener Group



m/z [Fragment]

374 [M-Br-CH₃]⁺
468 M⁺

Matrix: South Atlantic Dolphin Blubber

In N. Atlantic: TRUE, In N. Pacific: TRUE

Typically Monitored: FALSE

Comment: MeOBCDE Br3Cl (Pacific Library)

Instrument: GCxGC-TOF, EI, 70 eV

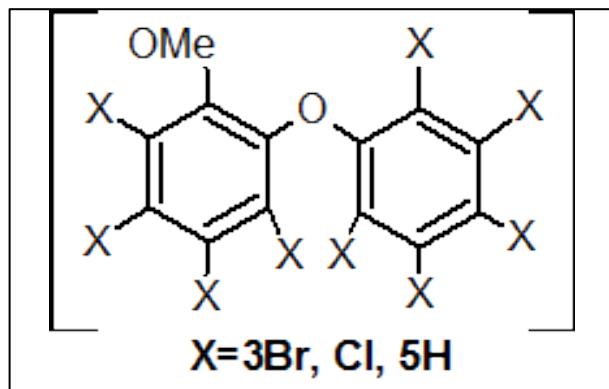
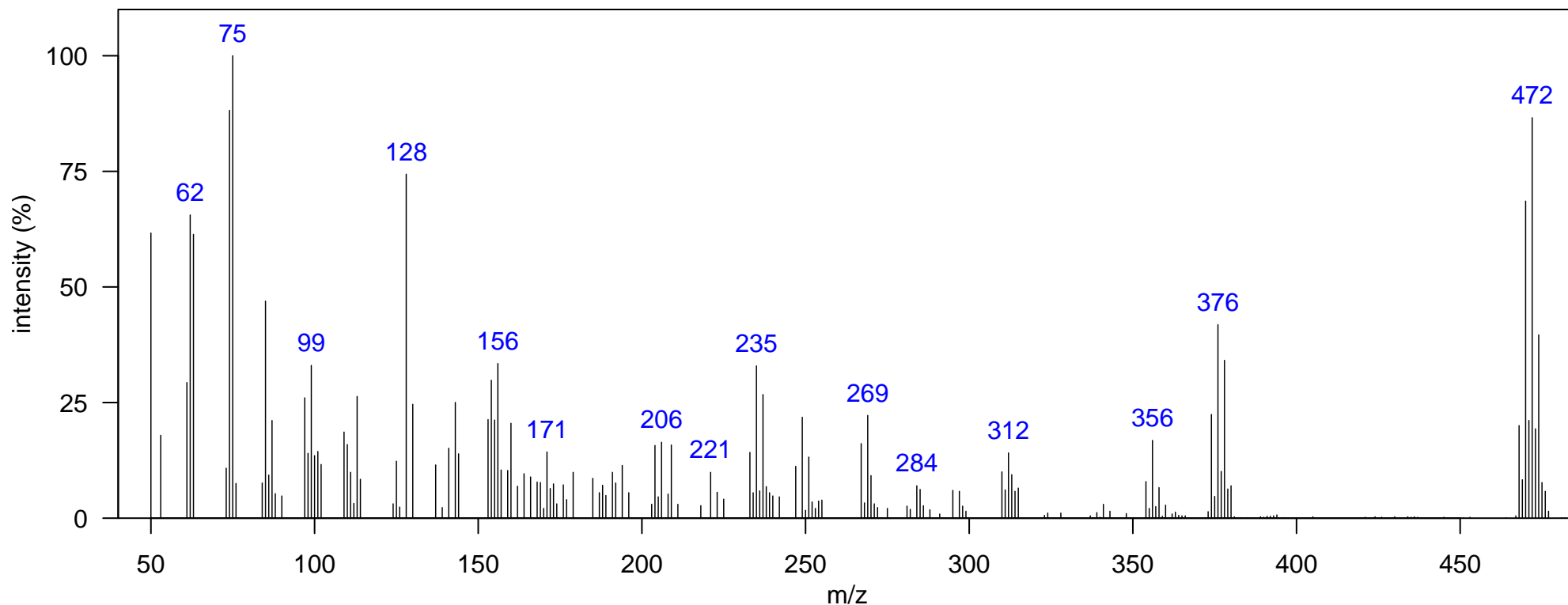
1D RT, 2D RT (s): 1547.96, 1.221

Quantitative Ion m/z: 472

Elemental Formula: C₁₃H₈Br₃ClO₂

Source: natural

Identification: Manual-Congener Group



m/z [Fragment]

354 [M-BrCl]⁺374 [M-Br-CH₃]⁺468 M⁺

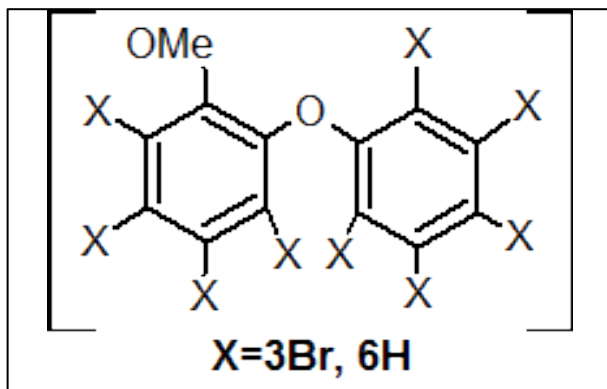
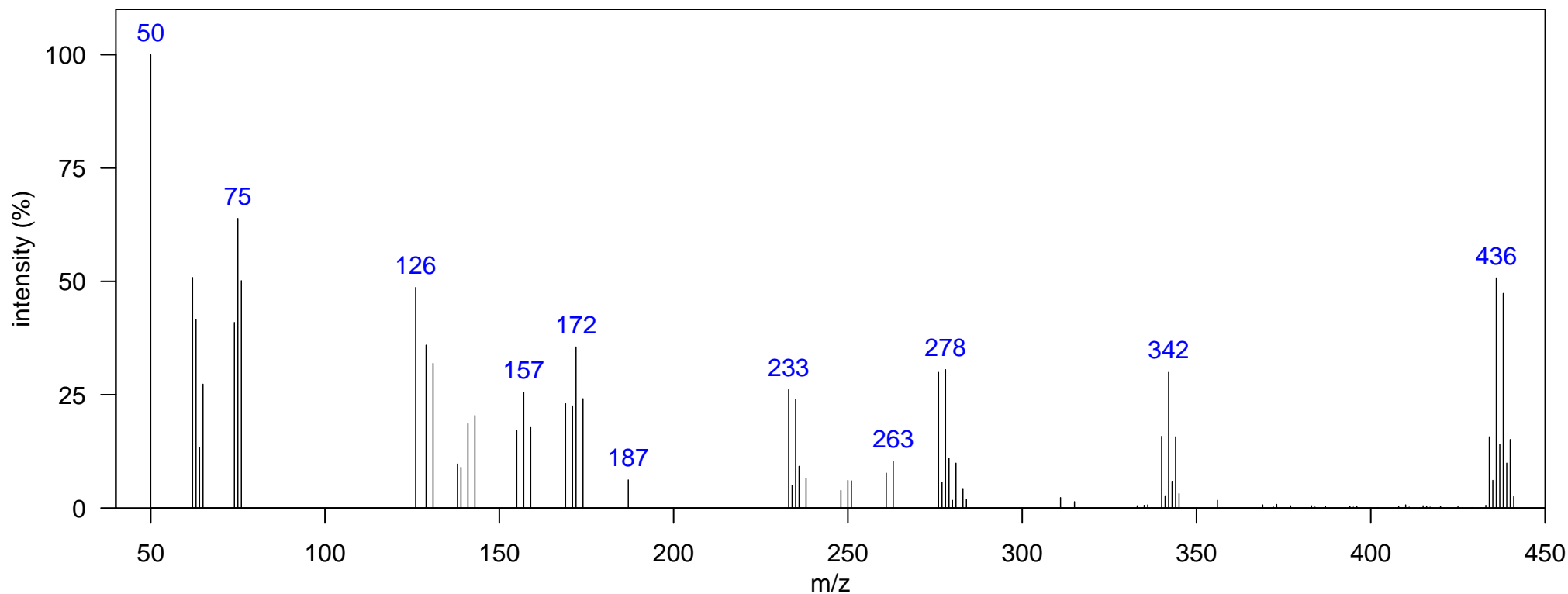
Name: MeOBDE 3Br

Class: MeO-BDE

Matrix: South Atlantic Dolphin Blubber
In N. Atlantic: TRUE, In N. Pacific: TRUE
Typically Monitored: FALSE
Comment:

Instrument: GCxGC-TOF, EI, 70 eV
1D RT, 2D RT (s): 1457.01, 1.129
Quantitative Ion m/z: 438

Elemental Formula: C₁₃H₉Br₃O₂
Source: natural
Identification: Authentic MS



m/z [Fragment]

276 [M-Br₂]⁺
340 [M-Br-CH₃]⁺
434 M⁺

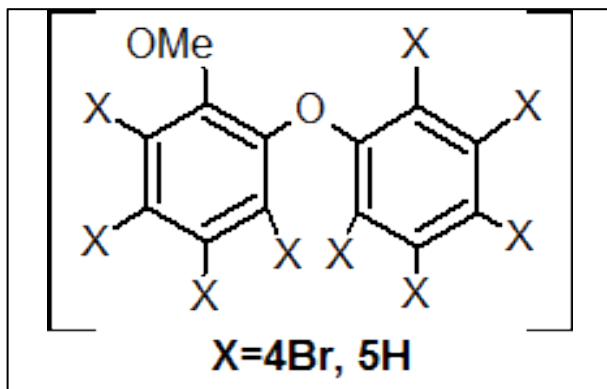
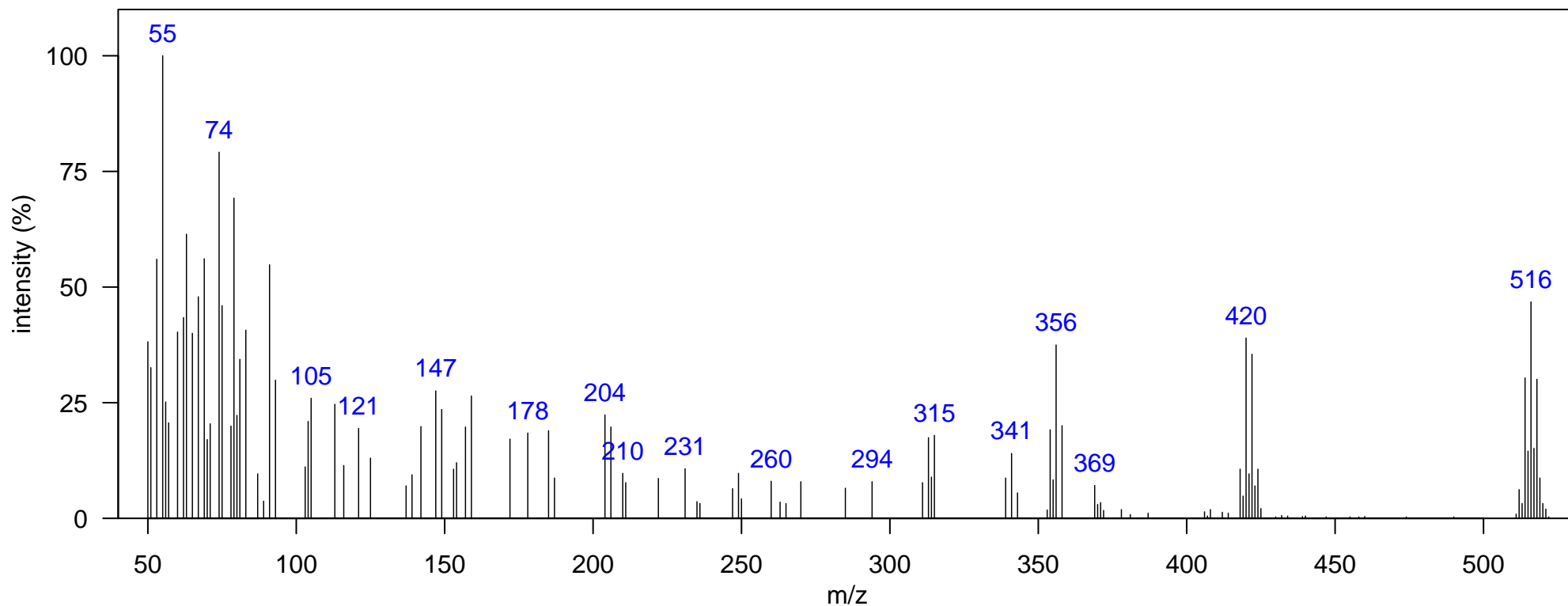
Name: MeOBDE 4Br

Class: MeO-BDE

Matrix: South Atlantic Dolphin Blubber
In N. Atlantic: TRUE, In N. Pacific: TRUE
Typically Monitored: FALSE
Comment:

Instrument: GCxGC-TOF, EI, 70 eV
1D RT, 2D RT (s): 1561.95, 1.294
Quantitative Ion m/z: 516

Elemental Formula: C₁₃H₈Br₄O₂
Source: natural
Identification: Authentic MS



m/z [Fragment]
418 [M-Br-CH ₃] ⁺
512 M ⁺

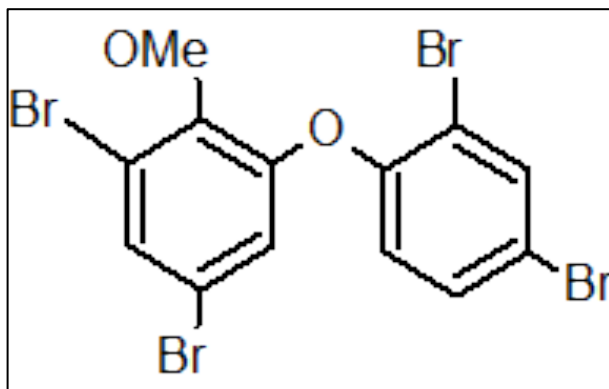
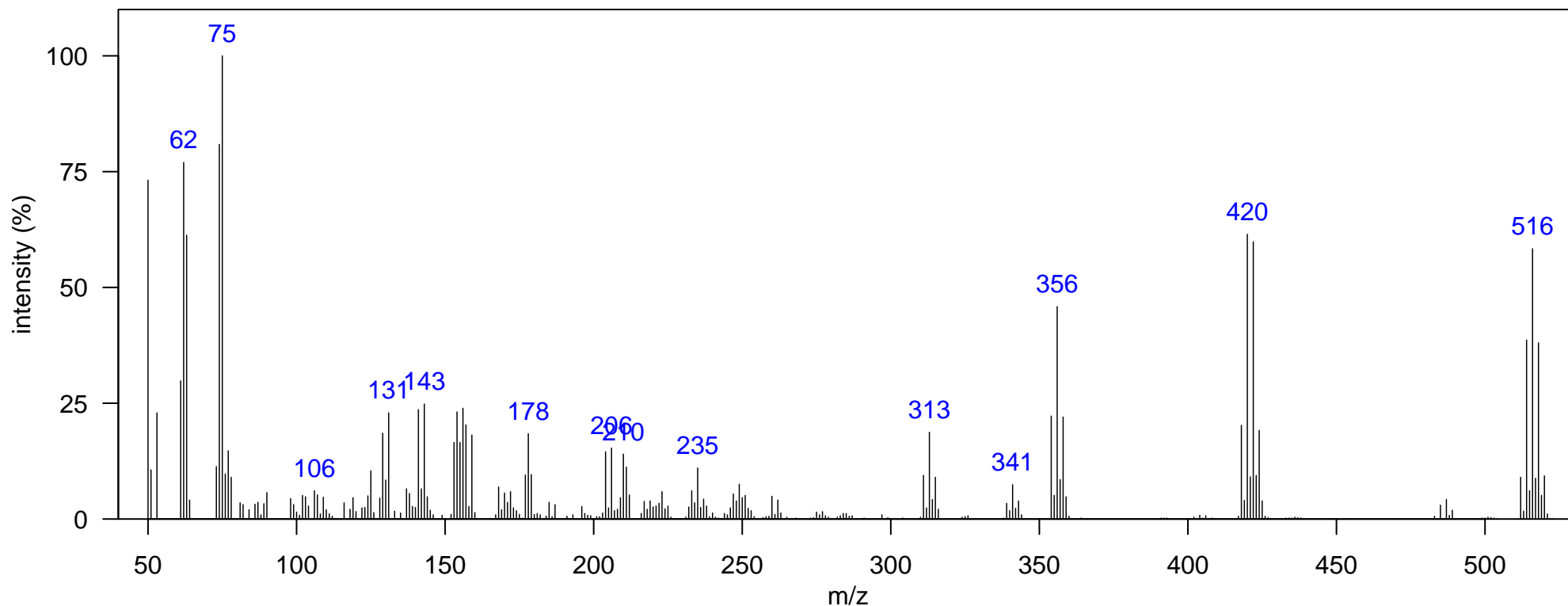
Name: 2'-MeOBDE-68

Class: MeO-BDE

Matrix: South Atlantic Dolphin Blubber
In N. Atlantic: TRUE, In N. Pacific: TRUE
Typically Monitored: FALSE
Comment:

Instrument: GCxGC-TOF, EI, 70 eV
1D RT, 2D RT (s): 1579.44, 1.28
Quantitative Ion m/z: 516

Elemental Formula: C₁₃H₈Br₄O₂
Source: natural
Identification: Authentic MS RT



m/z [Fragment]

354 [M-Br₂]
418 [M-Br-CH₃]⁺
512 M⁺

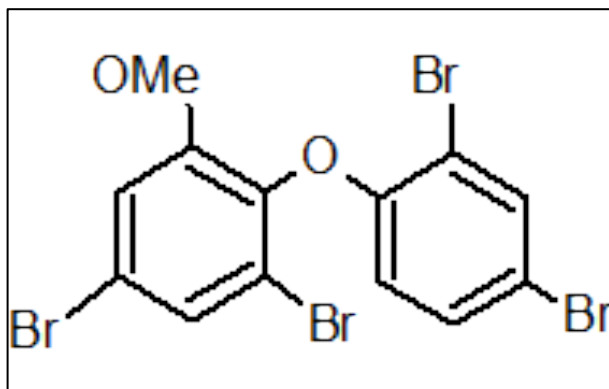
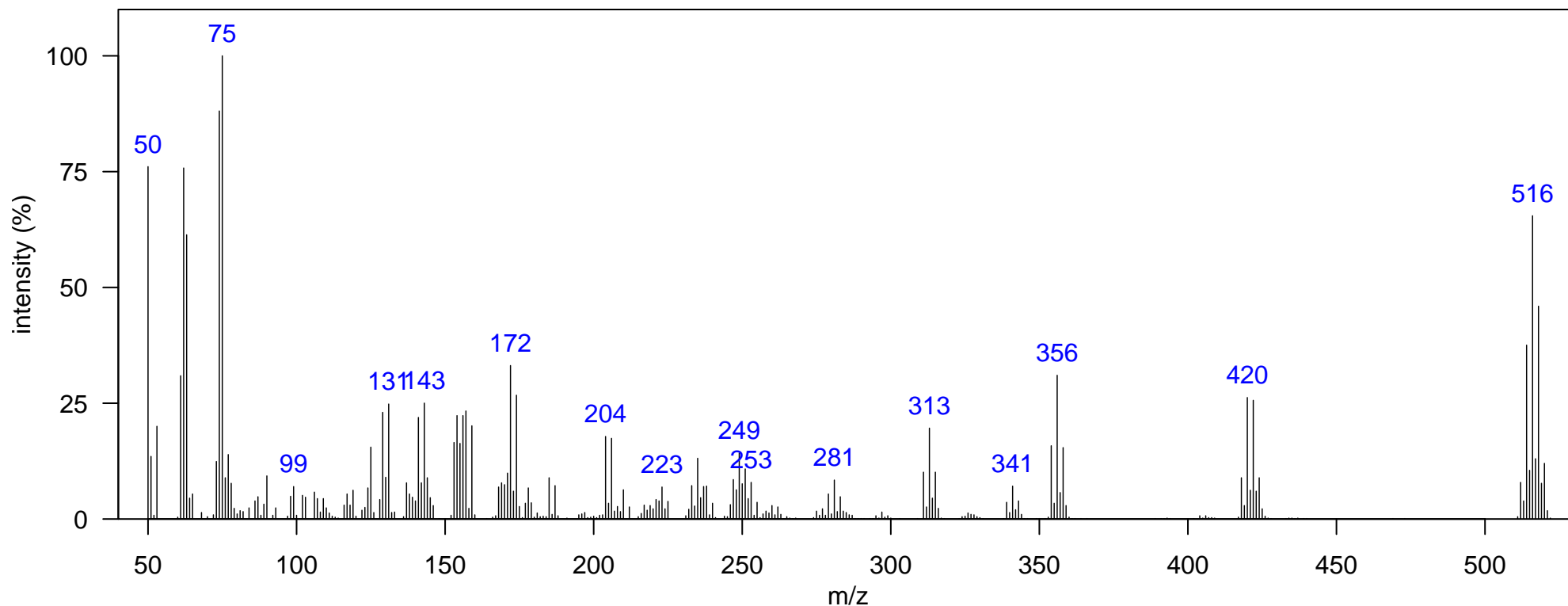
Name: 6-MeOBDE-47

Class: MeO-BDE

Matrix: South Atlantic Dolphin Blubber
In N. Atlantic: TRUE, In N. Pacific: TRUE
Typically Monitored: FALSE
Comment:

Instrument: GCxGC-TOF, EI, 70 eV
1D RT, 2D RT (s): 1600.43, 1.399
Quantitative Ion m/z: 516

Elemental Formula: C₁₃H₈Br₄O₂
Source: natural
Identification: Authentic MS RT



m/z [Fragment]

354 [M-Br₂]
418 [M-Br-CH₃]⁺
512 M⁺

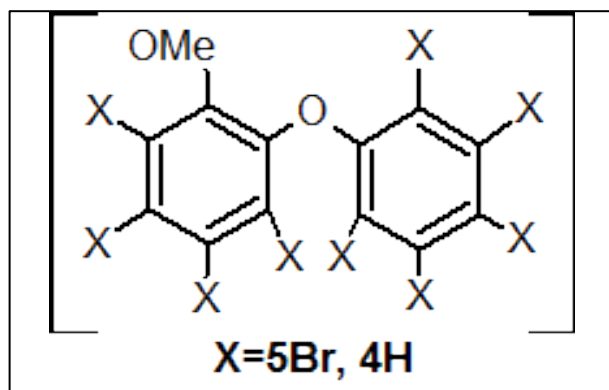
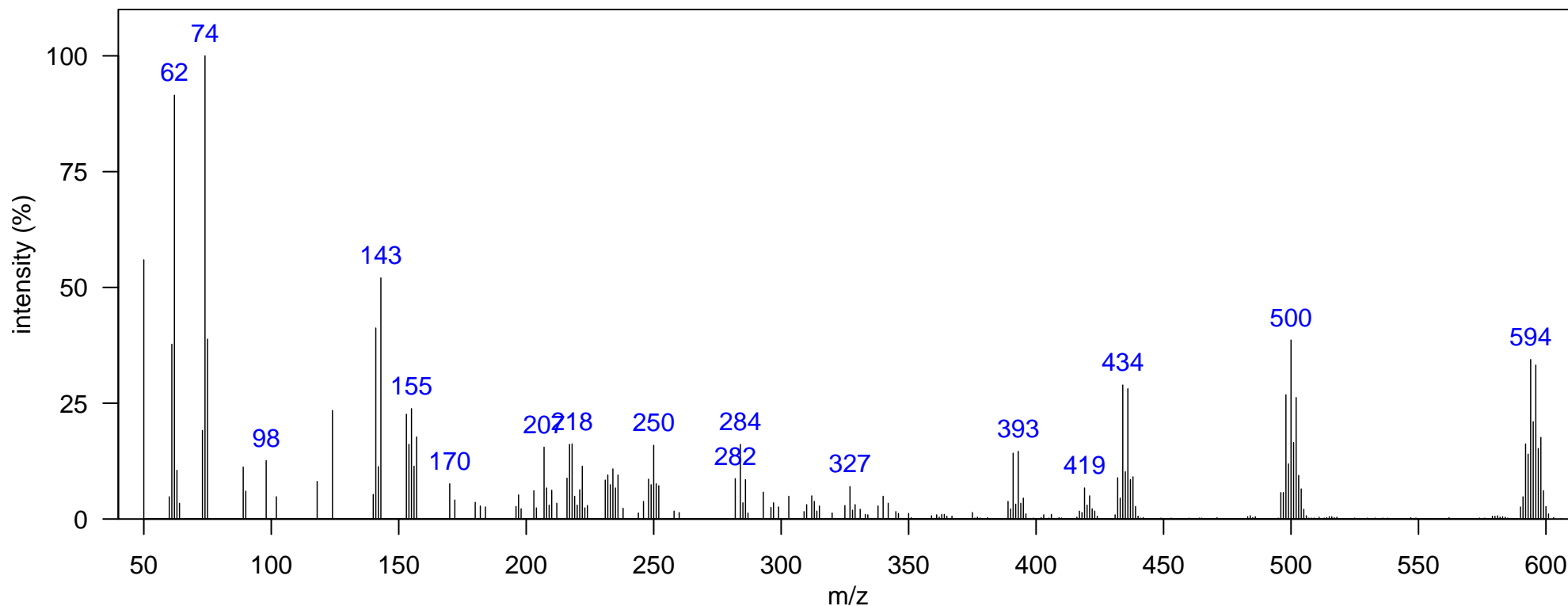
Name: MeOBDE 5Br

Class: MeO-BDE

Matrix: South Atlantic Dolphin Blubber
In N. Atlantic: TRUE, In N. Pacific: FALSE
Typically Monitored: FALSE
Comment:

Instrument: GCxGC-TOF, EI, 70 eV
1D RT, 2D RT (s): 1684.38, 1.637
Quantitative Ion m/z: 596

Elemental Formula: C₁₃H₇Br₅O₂
Source: natural
Identification: Manual-Congener Group



m/z [Fragment]

432 [M-Br₂]⁺
496 [M-Br-CH₃]⁺
590 M⁺

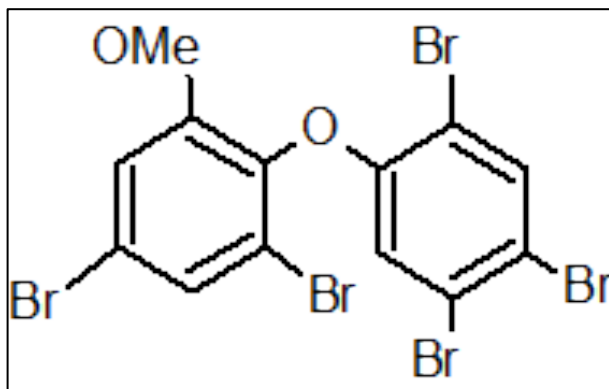
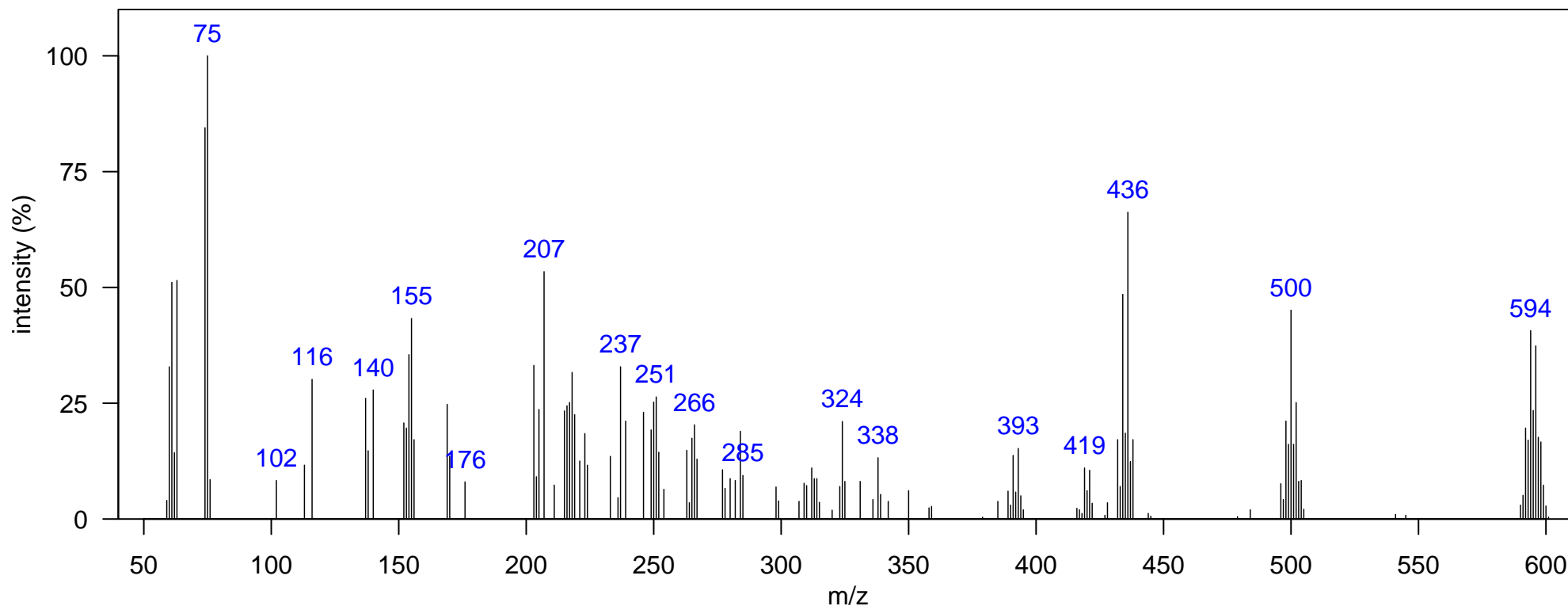
Name: 6'-MeOBDE-99

Class: MeO-BDE

Matrix: South Atlantic Dolphin Blubber
In N. Atlantic: TRUE, In N. Pacific: TRUE
Typically Monitored: FALSE
Comment:

Instrument: GCxGC-TOF, EI, 70 eV
1D RT, 2D RT (s): 1733.35, 1.564
Quantitative Ion m/z: 596

Elemental Formula: C₁₃H₇Br₅O₂
Source: natural
Identification: Authentic MS RT



m/z [Fragment]

432 [M-Br₂]⁺
496 [M-Br-CH₃]⁺
590 M⁺

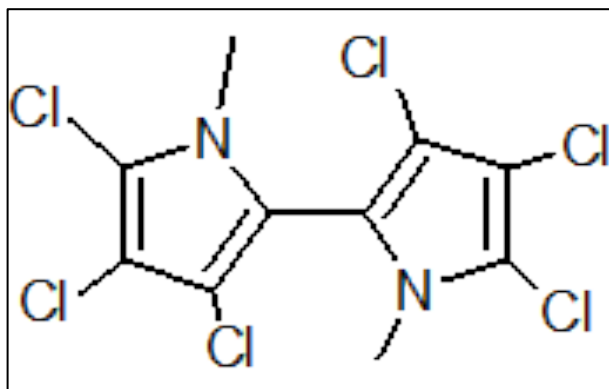
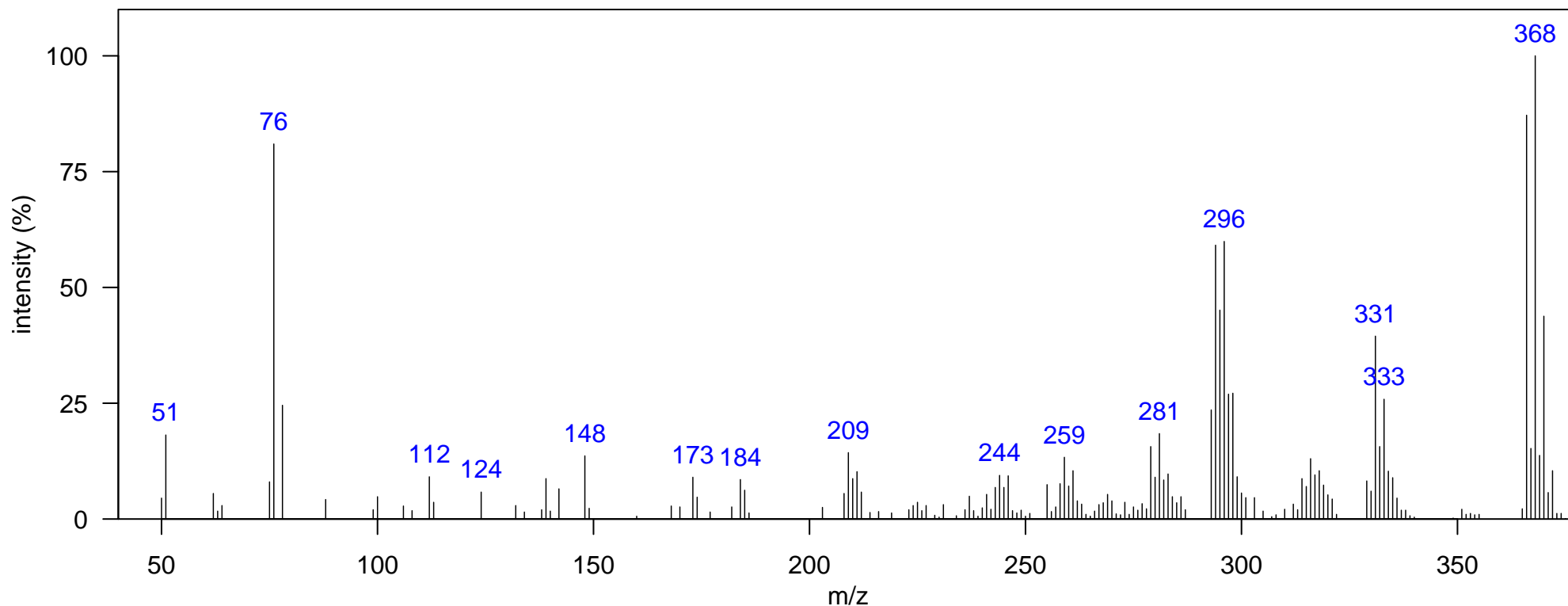
Name: DMBP 6Cl

Class: DMBP

Matrix: South Atlantic Dolphin Blubber
In N. Atlantic: FALSE, In N. Pacific: TRUE
Typically Monitored: FALSE
Comment:

Instrument: GCxGC-TOF, EI, 70 eV
1D RT, 2D RT (s): 1411.54, 1.043
Quantitative Ion m/z: 366

Elemental Formula: C₁₀H₆Cl₆N₂
Source: natural
Identification: Authentic MS RT



m/z [Fragment]

294 [M-Cl₂]⁺
329 [M-Cl]⁺
364 M⁺

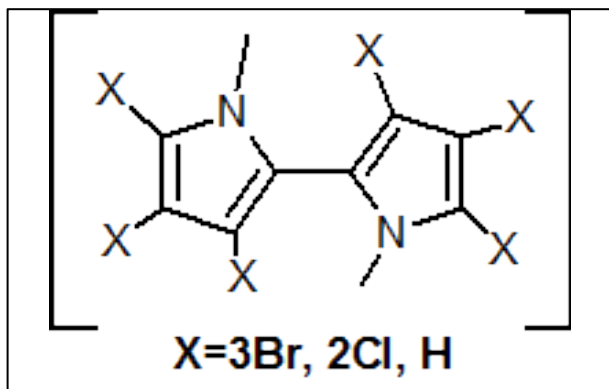
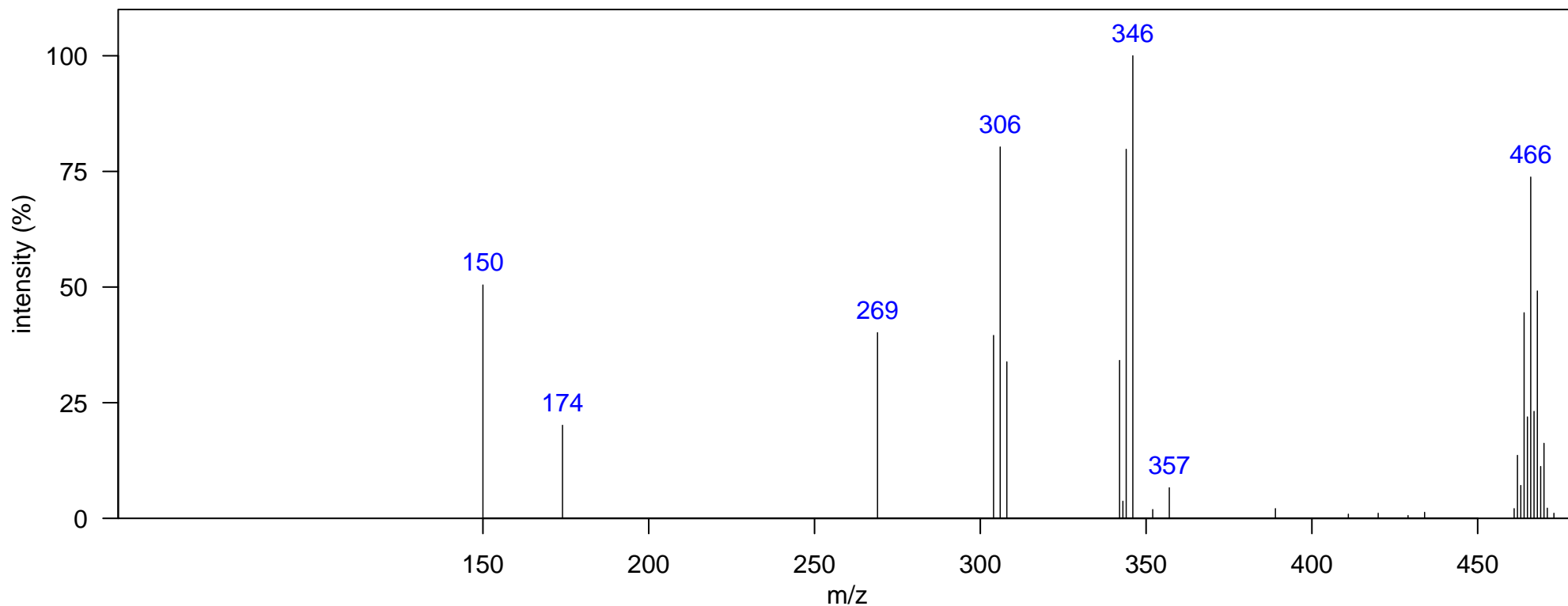
Name: DMBP Br3Cl2

Class: DMBP

Matrix: South Atlantic Dolphin Blubber
In N. Atlantic: TRUE, In N. Pacific: TRUE
Typically Monitored: FALSE
Comment: DMBP Br3Cl2 1 (Pacific Library)

Instrument: GCxGC-TOF, EI, 70 eV
1D RT, 2D RT (s): 1432.52, 1.056
Quantitative Ion m/z: 466

Elemental Formula: C₁₀H₇Br₃Cl₂N₂
Source: natural
Identification: Authentic MS RT



m/z [Fragment]
304 [M-Br ₂] ⁺
342 [M-BrCNCH ₃] ⁺
462 M ⁺

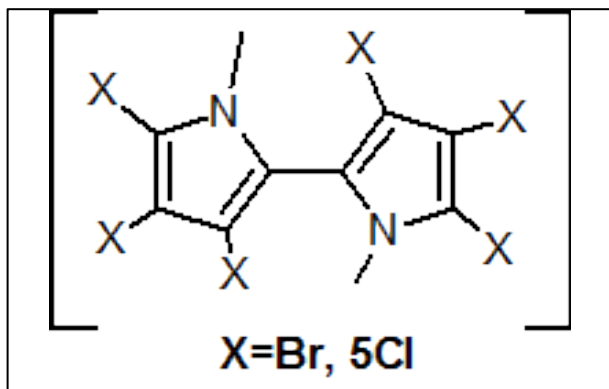
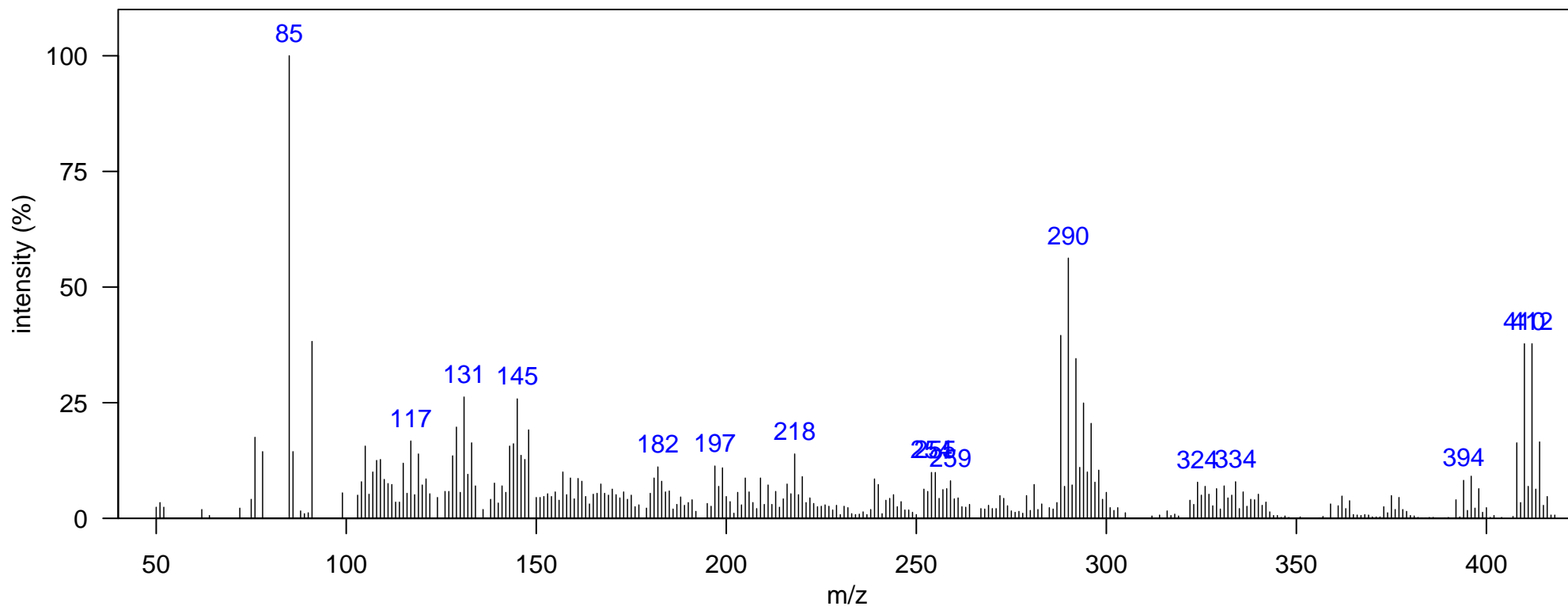
Name: DMBP BrCl5

Class: DMBP

Matrix: South Atlantic Dolphin Blubber
In N. Atlantic: TRUE, In N. Pacific: TRUE
Typically Monitored: FALSE
Comment: unknown-4-8 (Pacific Library)

Instrument: GCxGC-TOF, EI, 70 eV
1D RT, 2D RT (s): 1453.51, 1.076
Quantitative Ion m/z: 410

Elemental Formula: C₁₀H₆Cl₅BrN₂
Source: natural
Identification: Manual-Congener Group



m/z [Fragment]
288 [M-BrCNCH ₃] ⁺
373 [M-Cl] ⁺
408 M ⁺

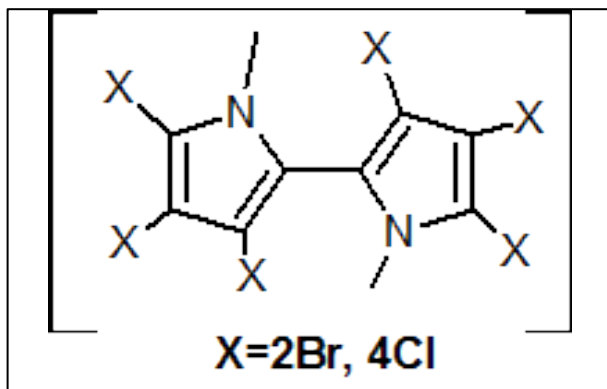
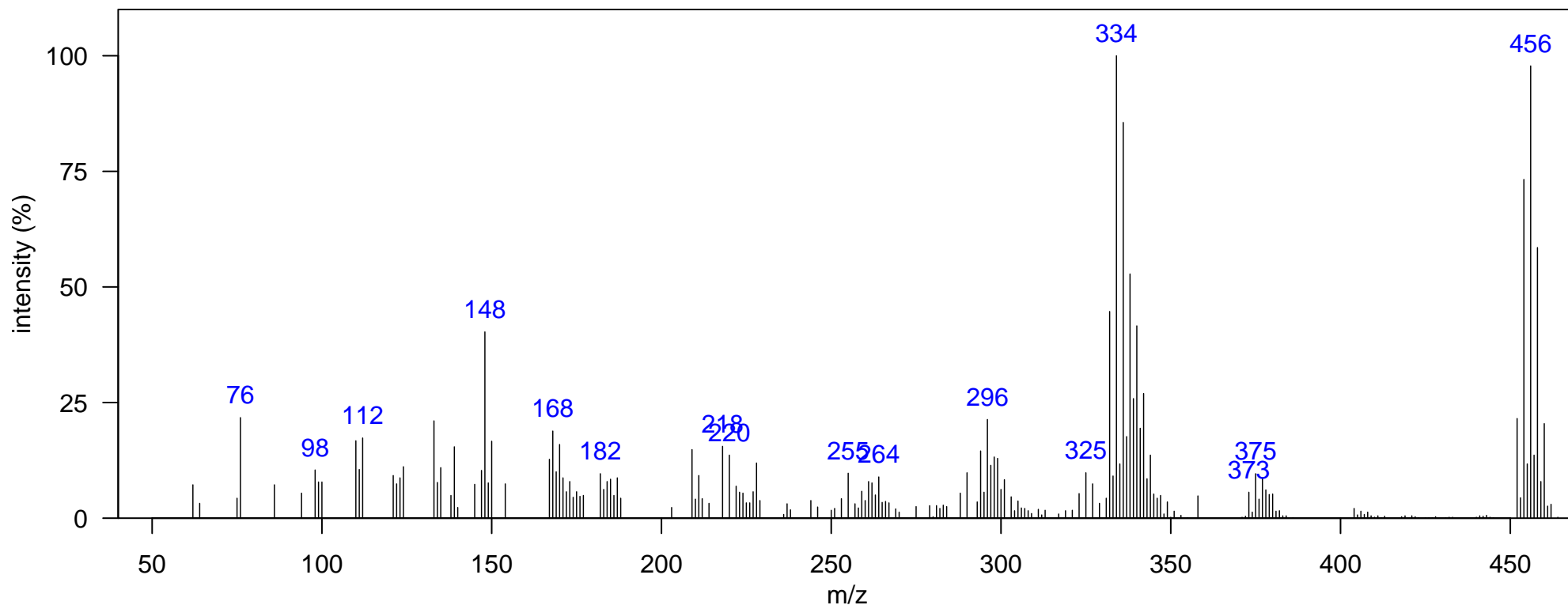
Name: DMBP Br₂Cl₄ 1

Class: DMBP

Matrix: South Atlantic Dolphin Blubber
In N. Atlantic: TRUE, In N. Pacific: TRUE
Typically Monitored: FALSE
Comment: DMBP Br₂Cl₄ (Pacific Library)

Instrument: GCxGC-TOF, EI, 70 eV
1D RT, 2D RT (s): 1488.49, 1.115
Quantitative Ion m/z: 458

Elemental Formula: C₁₀H₆Br₂Cl₄N₂
Source: natural
Identification: Authentic MS RT



m/z [Fragment]
332 [M-BrCNCH ₃] ⁺
452 M ⁺

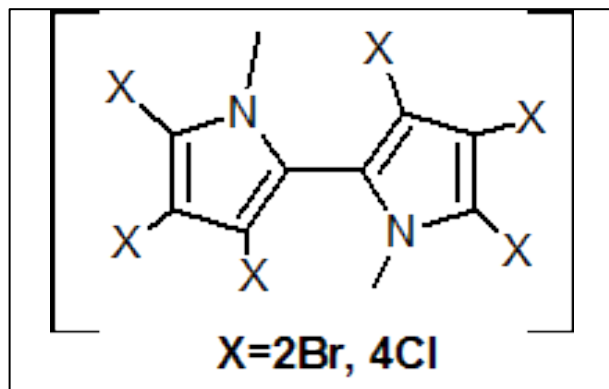
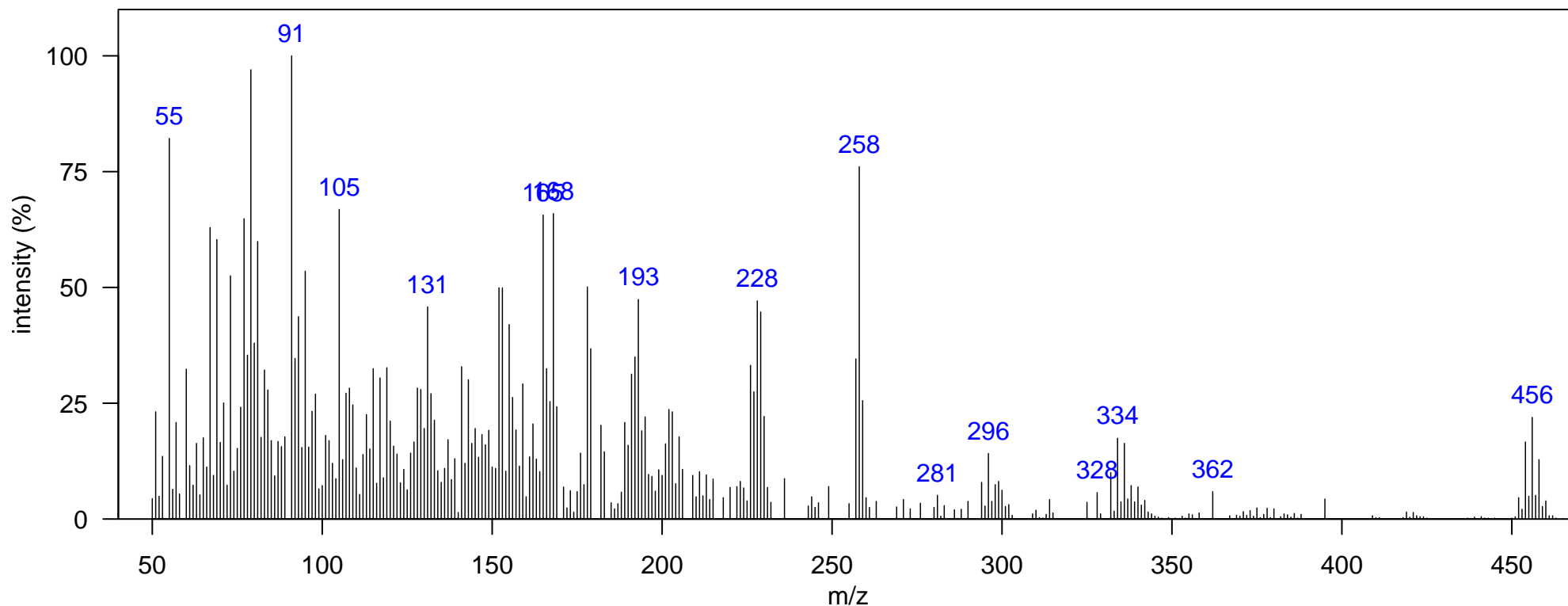
Name: DMBP Br₂Cl₄ 2

Class: DMBP

Matrix: South Atlantic Dolphin Blubber
In N. Atlantic: FALSE, In N. Pacific: FALSE
Typically Monitored: FALSE
Comment:

Instrument: GCxGC-TOF, EI, 70 eV
1D RT, 2D RT (s): 1498.99, 1.148
Quantitative Ion m/z: 458

Elemental Formula: C₁₀H₆Br₂Cl₄N₂
Source: natural
Identification: Manual-Congener Group



m/z [Fragment]

332 [M-BrCNCH₃]⁺
452 M⁺

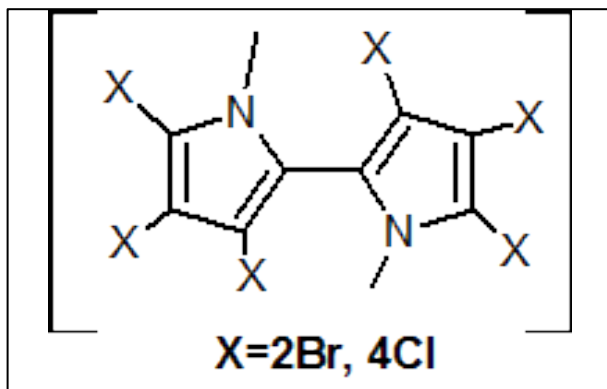
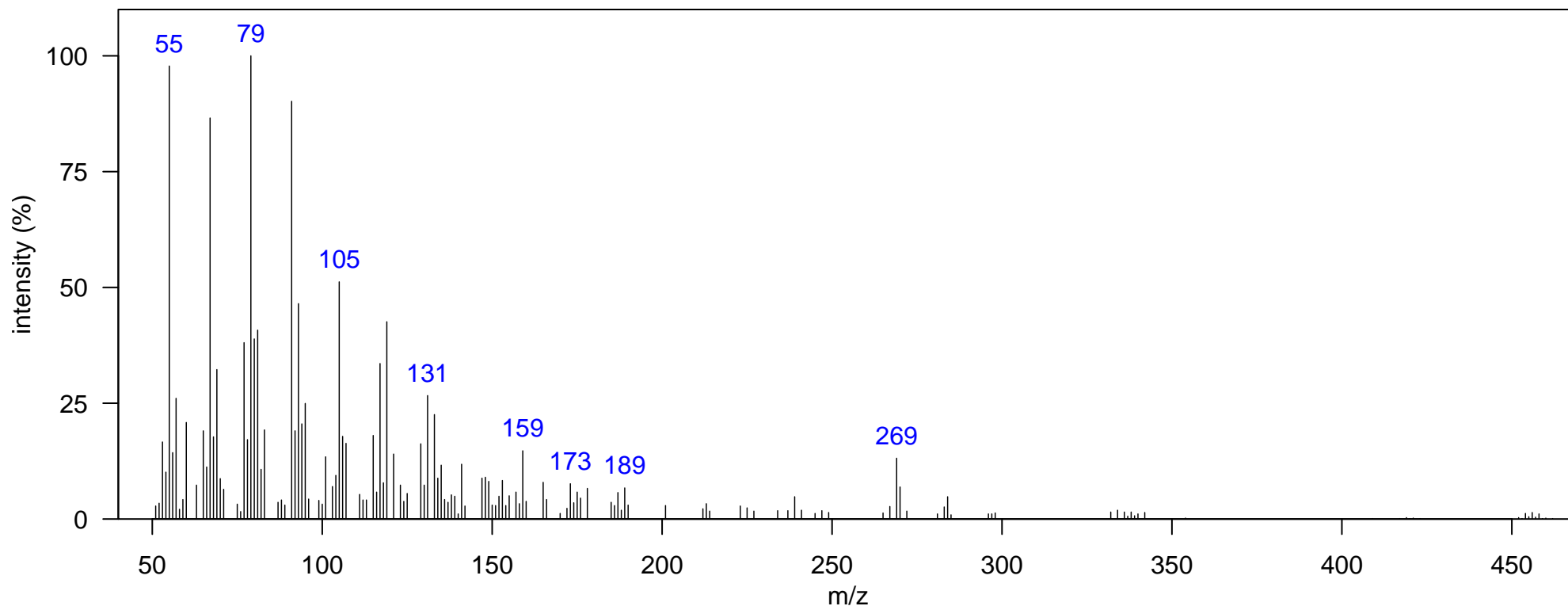
Name: DMBP Br₂Cl₄ 3

Class: DMBP

Matrix: South Atlantic Dolphin Blubber
In N. Atlantic: FALSE, In N. Pacific: FALSE
Typically Monitored: FALSE
Comment:

Instrument: GCxGC-TOF, EI, 70 eV
1D RT, 2D RT (s): 1509.48, 1.188
Quantitative Ion m/z: 458

Elemental Formula: C₁₀H₆Br₂Cl₄N₂
Source: natural
Identification: Manual-Congener Group



m/z [Fragment]

332 [M-BrCNCH₃]⁺

452 M⁺

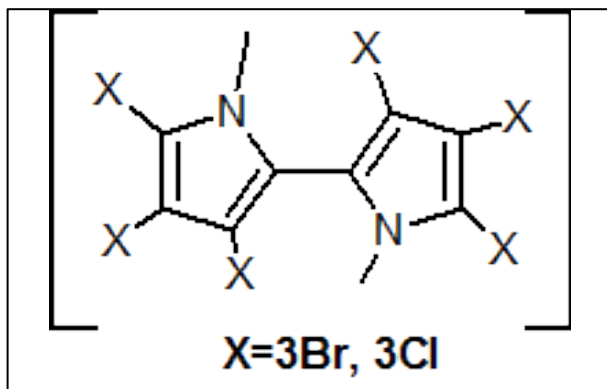
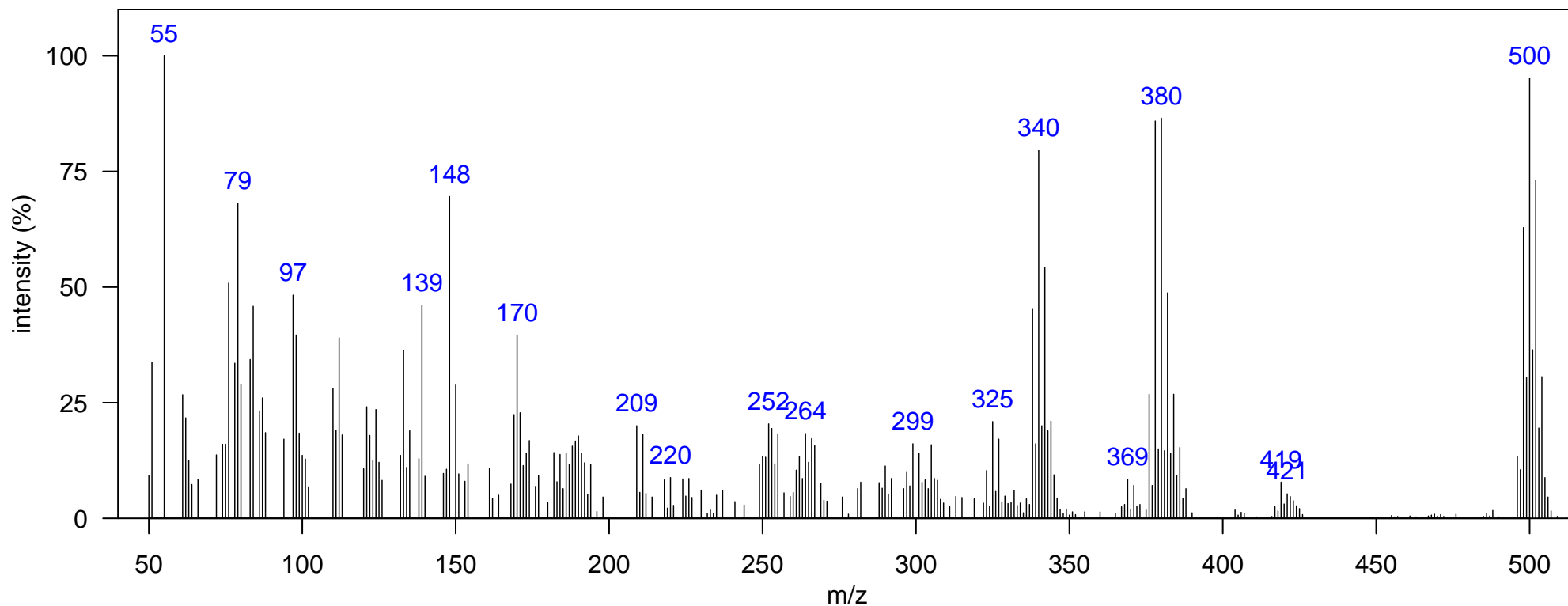
Name: DMBP Br3Cl3

Class: DMBP

Matrix: South Atlantic Dolphin Blubber
In N. Atlantic: FALSE, In N. Pacific: TRUE
Typically Monitored: FALSE
Comment:

Instrument: GCxGC-TOF, EI, 70 eV
1D RT, 2D RT (s): 1537.46, 1.221
Quantitative Ion m/z: 500

Elemental Formula: C₁₀H₆Br₃Cl₃N₂
Source: natural
Identification: Authentic MS RT



m/z [Fragment]

338 [M-Br₂]⁺
376 [M-BrCNCH₃]⁺
496 M⁺

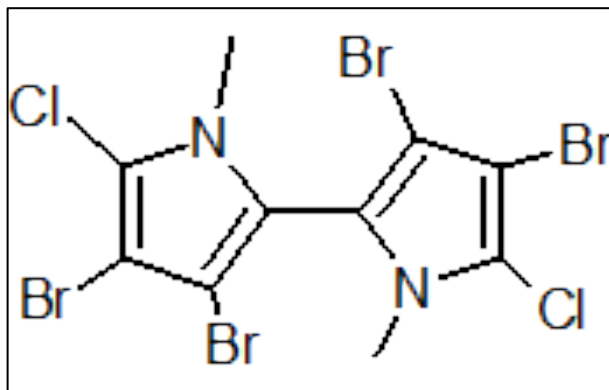
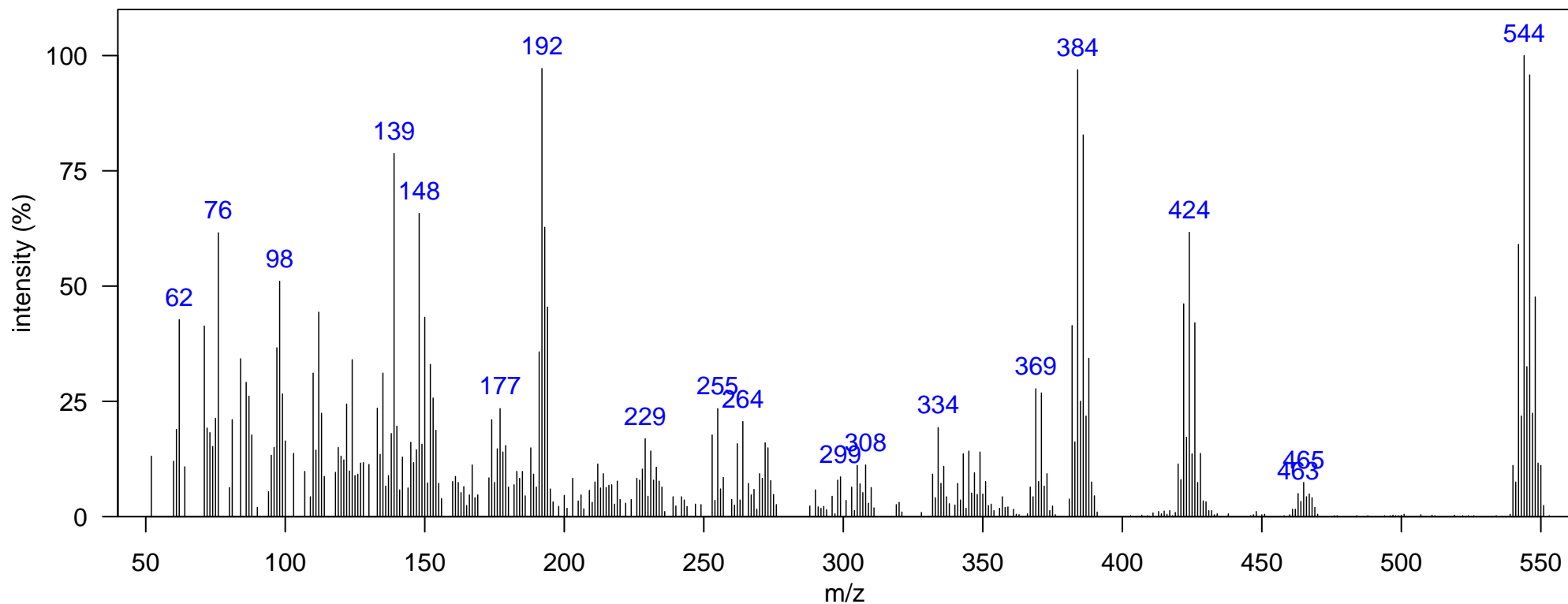
Name: DMBP Br4Cl2

Class: DMBP

Matrix: South Atlantic Dolphin Blubber
In N. Atlantic: TRUE, In N. Pacific: TRUE
Typically Monitored: FALSE
Comment:

Instrument: GCxGC-TOF, EI, 70 eV
1D RT, 2D RT (s): 1586.44, 1.393
Quantitative Ion m/z: 546

Elemental Formula: C₁₀H₆Cl₂Br₄N₂
Source: natural
Identification: Authentic MS RT



m/z [Fragment]

382 [M-Br₂]⁺
420 [M-BrCNCH₃]⁺
540 M⁺

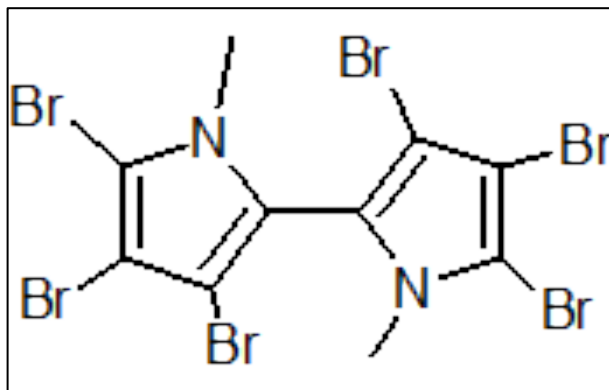
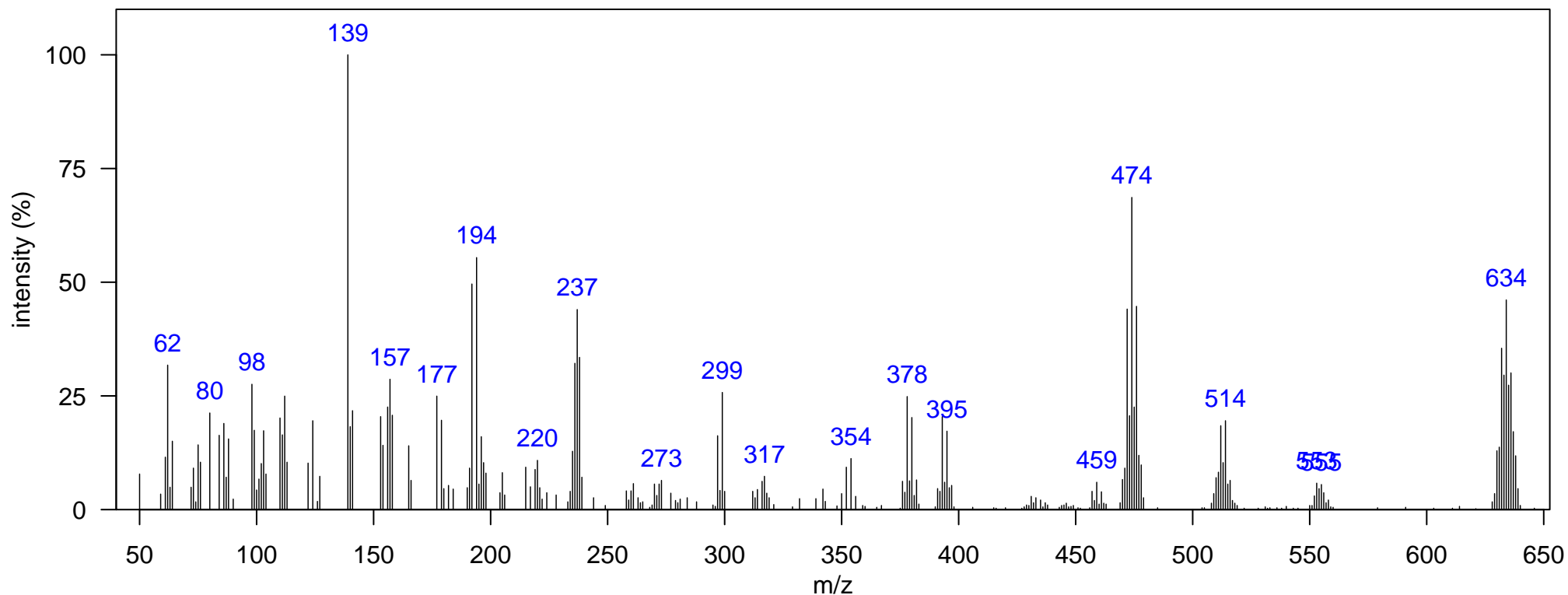
Name: DMBP 6Br

Class: DMBP

Matrix: South Atlantic Dolphin Blubber
In N. Atlantic: TRUE, In N. Pacific: TRUE
Typically Monitored: FALSE
Comment:

Instrument: GCxGC-TOF, EI, 70 eV
1D RT, 2D RT (s): 1722.86, 1.683
Quantitative Ion m/z: 634

Elemental Formula: C₁₀H₆Br₆N₂
Source: natural
Identification: Authentic MS RT



m/z [Fragment]

470 [M-Br₂]⁺
508 [M-BrCNCH₂]⁺
628 M⁺

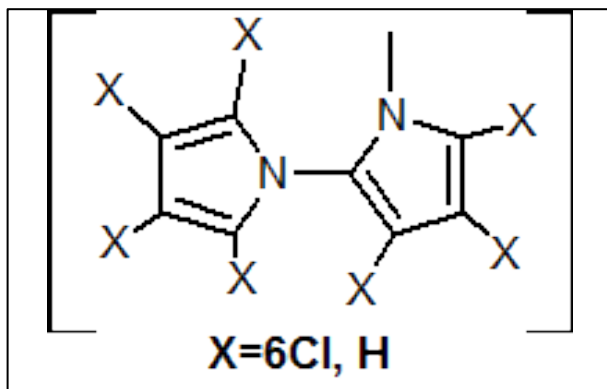
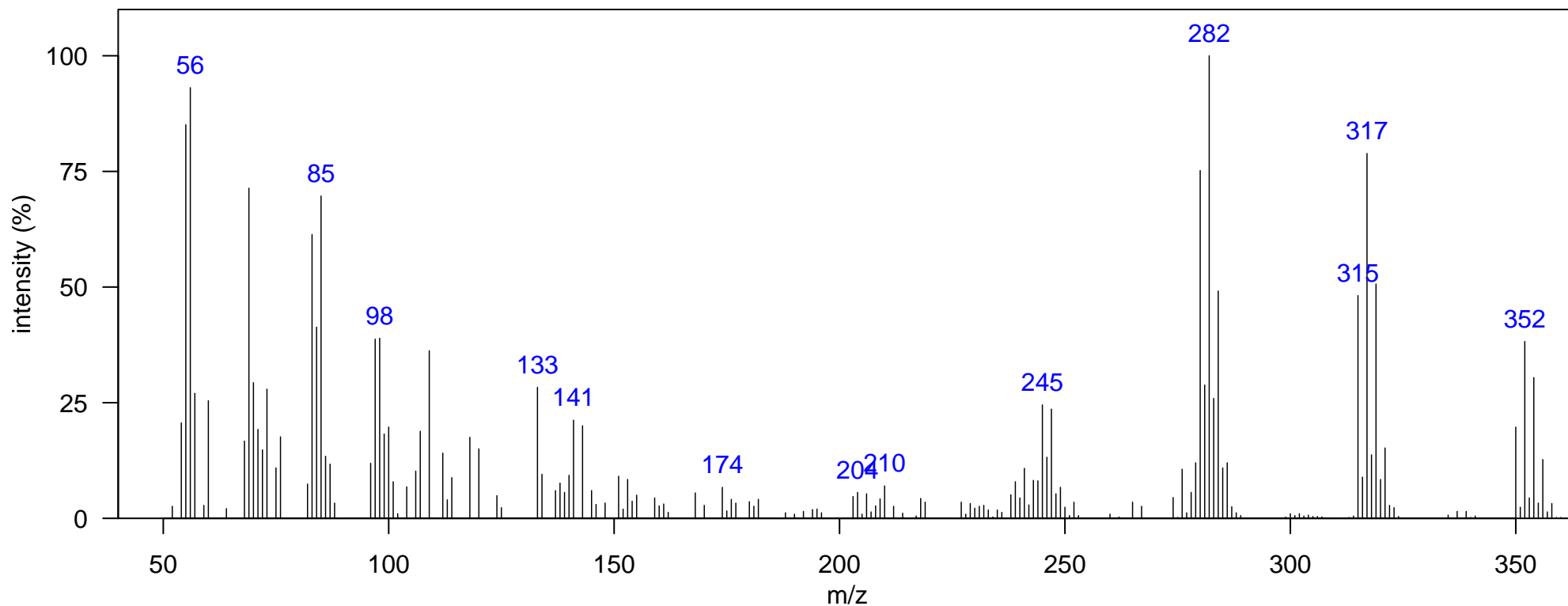
Name: MBP 6Cl 1

Class: MBP

Matrix: South Atlantic Dolphin Blubber
In N. Atlantic: TRUE, In N. Pacific: TRUE
Typically Monitored: FALSE
Comment:

Instrument: GCxGC-TOF, EI, 70 eV
1D RT, 2D RT (s): 1240.13, 0.911
Quantitative Ion m/z: 352

Elemental Formula: C₉H₄Cl₆N₂
Source: natural
Identification: Authentic MS



m/z [Fragment]

245 [M-Cl₃]⁺
280 [M-Cl₂]⁺
315 [M-Cl]⁺
350 M⁺

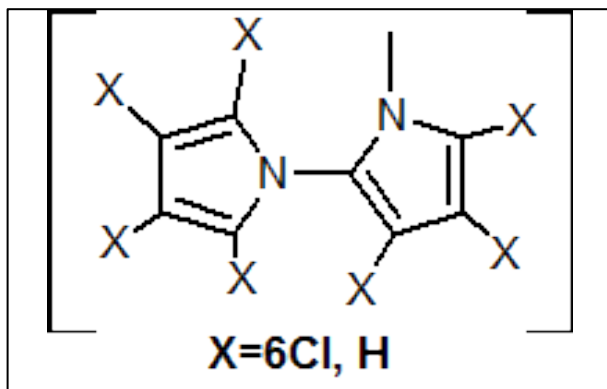
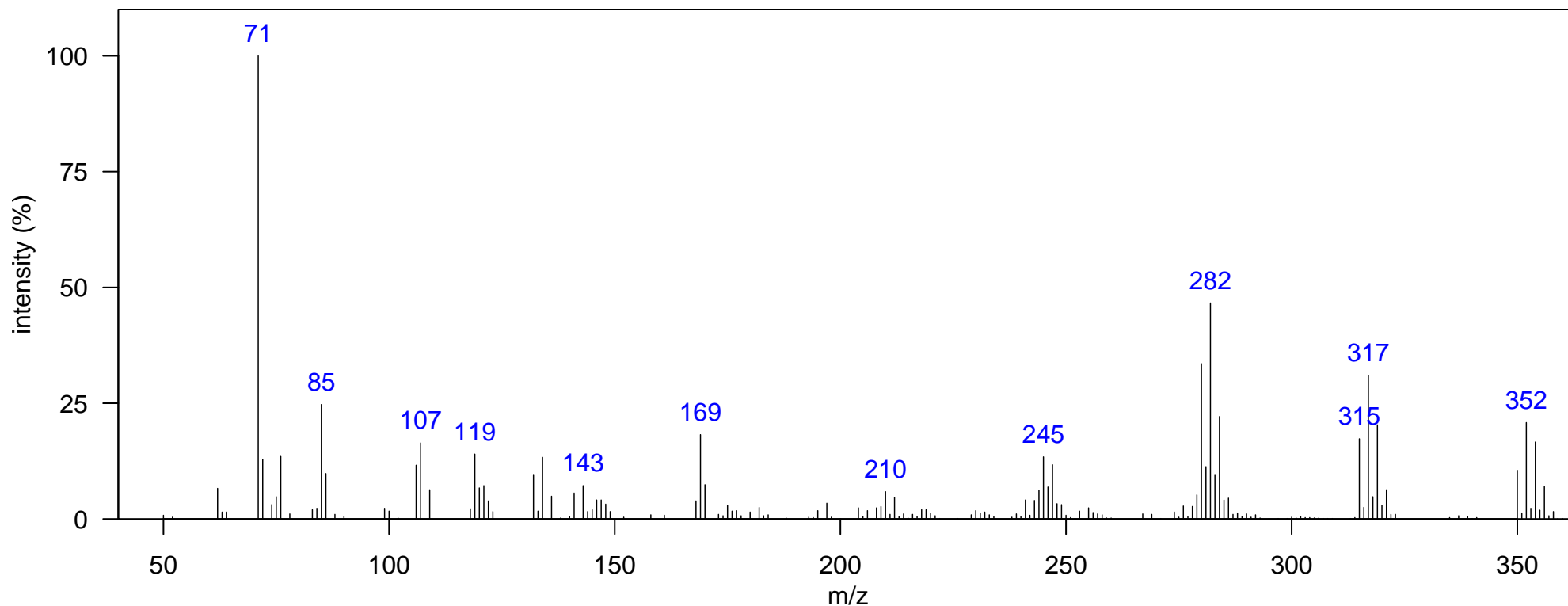
Name: MBP 6Cl 2

Class: MBP

Matrix: South Atlantic Dolphin Blubber
In N. Atlantic: TRUE, In N. Pacific: TRUE
Typically Monitored: FALSE
Comment:

Instrument: GCxGC-TOF, EI, 70 eV
1D RT, 2D RT (s): 1254.13, 0.917
Quantitative Ion m/z: 352

Elemental Formula: C₉H₄Cl₆N₂
Source: natural
Identification: Authentic MS



m/z [Fragment]

245 [M-Cl₃]⁺
280 [M-Cl₂]⁺
315 [M-Cl]⁺
350 M⁺

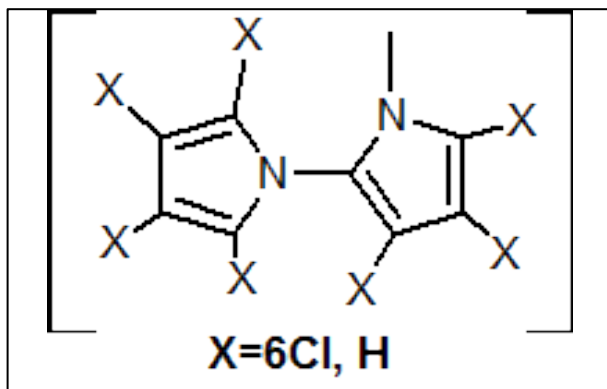
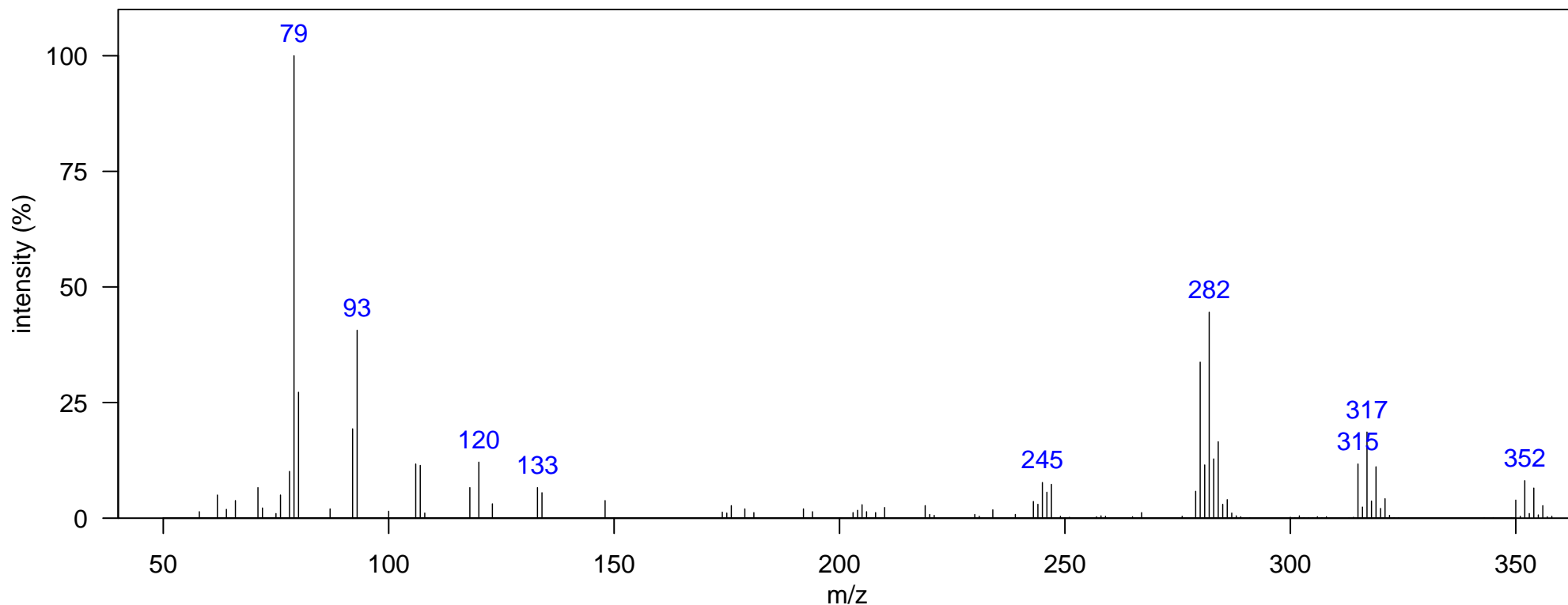
Name: MBP 6Cl 3

Class: MBP

Matrix: South Atlantic Dolphin Blubber
In N. Atlantic: FALSE, In N. Pacific: FALSE
Typically Monitored: FALSE
Comment:

Instrument: GCxGC-TOF, EI, 70 eV
1D RT, 2D RT (s): 1292.6, 0.931
Quantitative Ion m/z: 352

Elemental Formula: C₉H₄Cl₆N₂
Source: natural
Identification: Authentic MS



m/z [Fragment]

245 [M-Cl₃]⁺
280 [M-Cl₂]⁺
315 [M-Cl]⁺
350 M⁺

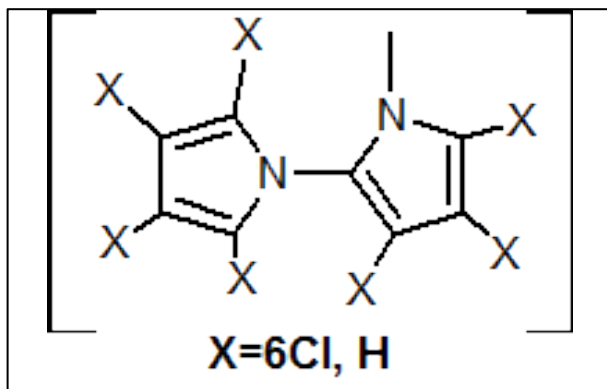
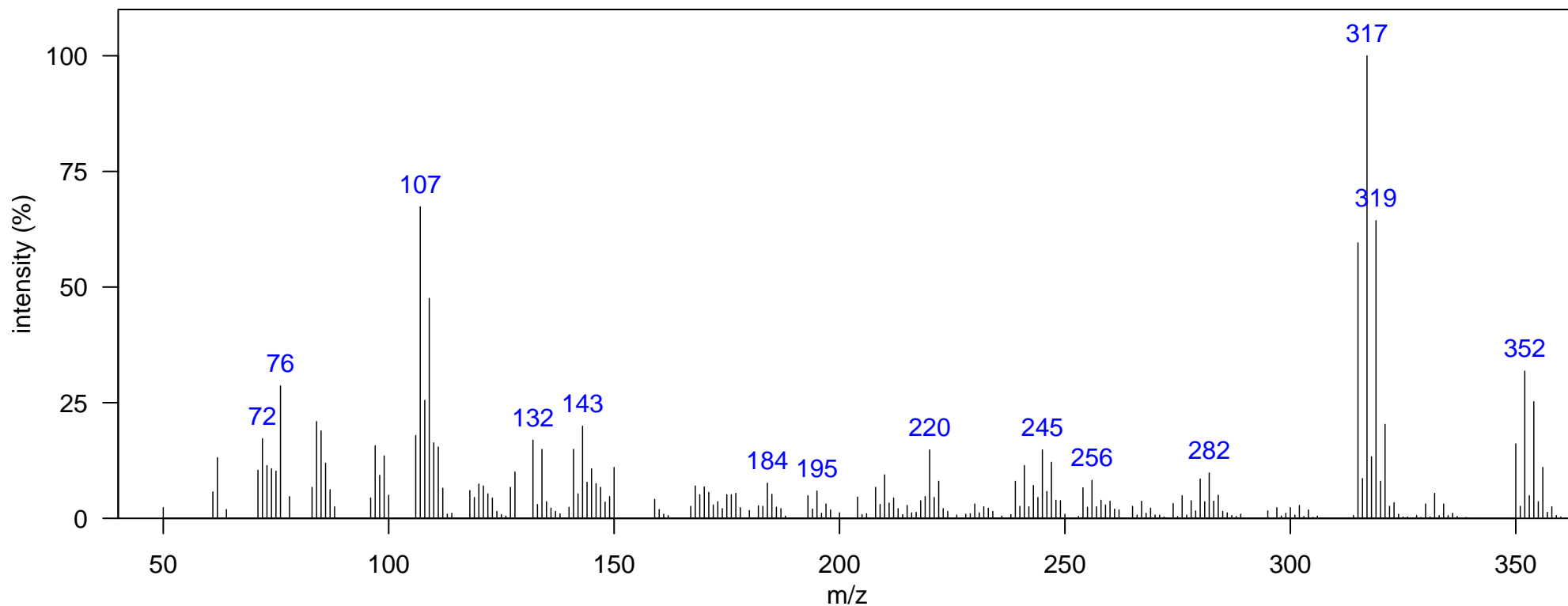
Name: MBP 6Cl 4

Class: MBP

Matrix: South Atlantic Dolphin Blubber
In N. Atlantic: FALSE, In N. Pacific: TRUE
Typically Monitored: FALSE
Comment: MBP 6Cl 3 (Pacific Library)

Instrument: GCxGC-TOF, EI, 70 eV
1D RT, 2D RT (s): 1299.6, 0.97
Quantitative Ion m/z: 352

Elemental Formula: C₉H₄Cl₆N₂
Source: natural
Identification: Manual-Congener Group



m/z [Fragment]
245 [M-Cl ₃] ⁺
280 [M-Cl ₂] ⁺
315 [M-Cl] ⁺
350 M ⁺

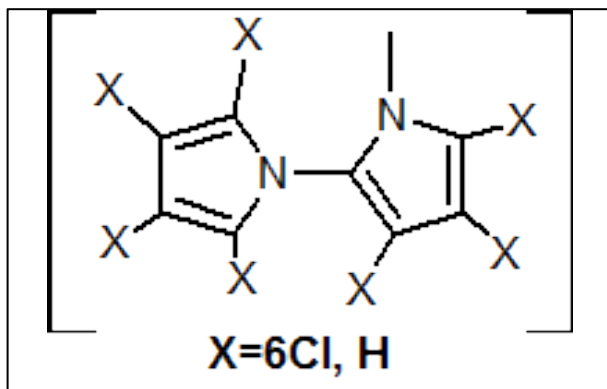
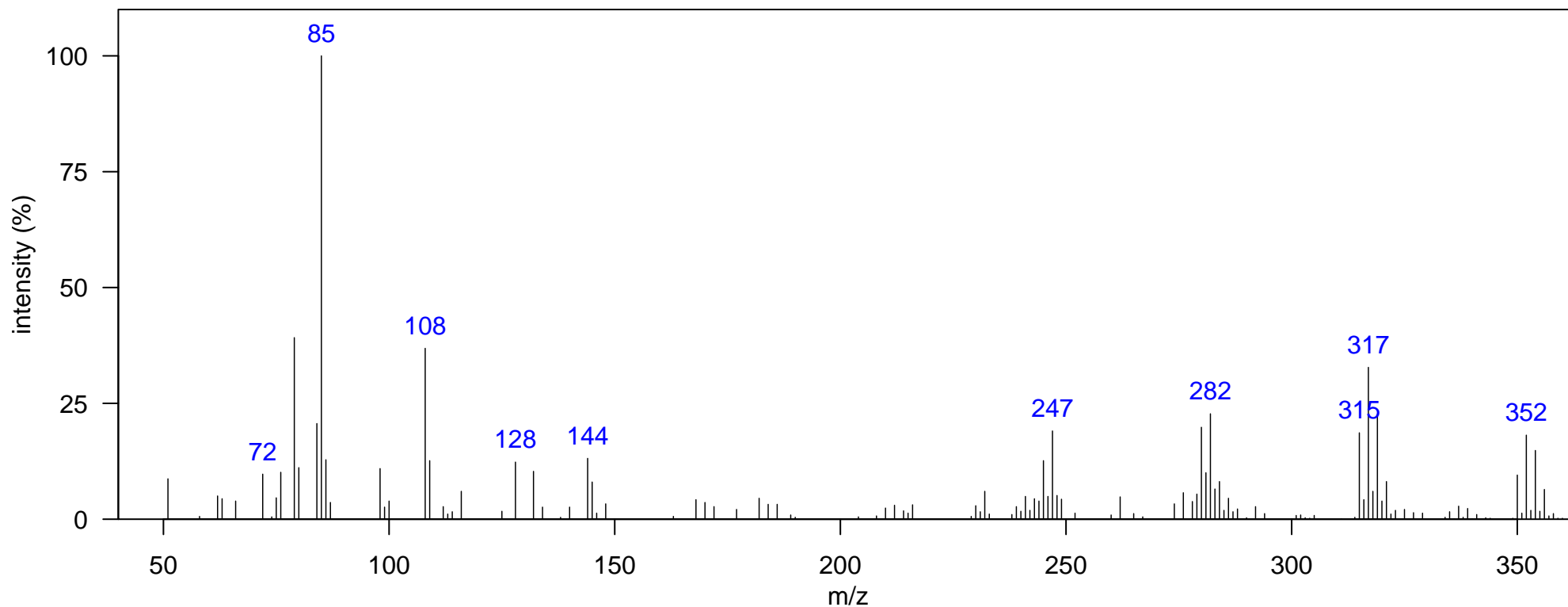
Name: MBP 6Cl 5

Class: MBP

Matrix: South Atlantic Dolphin Blubber
In N. Atlantic: FALSE, In N. Pacific: FALSE
Typically Monitored: FALSE
Comment:

Instrument: GCxGC-TOF, EI, 70 eV
1D RT, 2D RT (s): 1334.58, 0.964
Quantitative Ion m/z: 352

Elemental Formula: C₉H₄Cl₆N₂
Source: natural
Identification: Manual-Congener Group



m/z [Fragment]

245 [M-Cl₃]⁺
280 [M-Cl₂]⁺
315 [M-Cl]⁺
350 M⁺

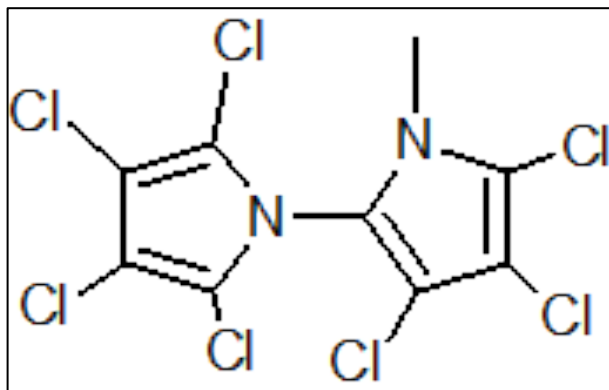
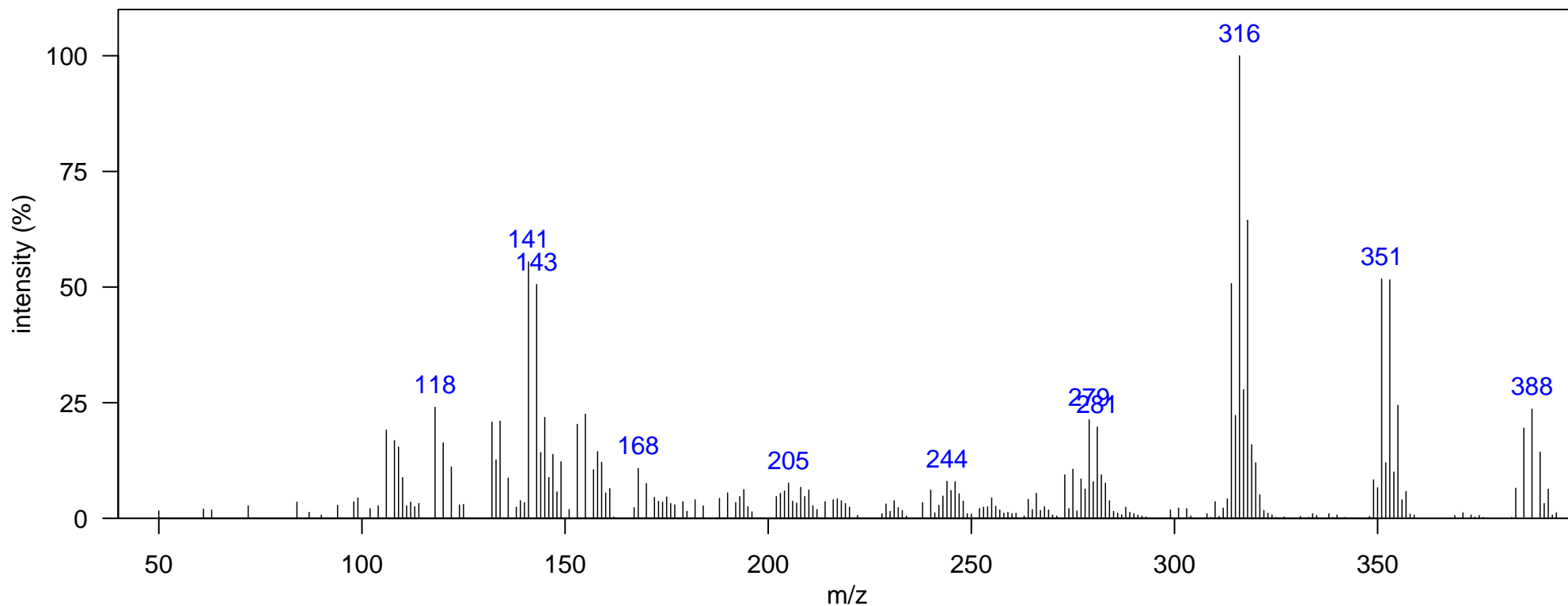
Name: MBP 7Cl

Class: MBP

Matrix: South Atlantic Dolphin Blubber
In N. Atlantic: TRUE, In N. Pacific: TRUE
Typically Monitored: FALSE
Comment:

Instrument: GCxGC-TOF, EI, 70 eV
1D RT, 2D RT (s): 1341.58, 0.997
Quantitative Ion m/z: 388

Elemental Formula: C₉H₃Cl₇N₂
Source: natural
Identification: Authentic MS RT



m/z [Fragment]

314 [M-Cl₂]⁺
349 [M-Cl]⁺
384 M⁺

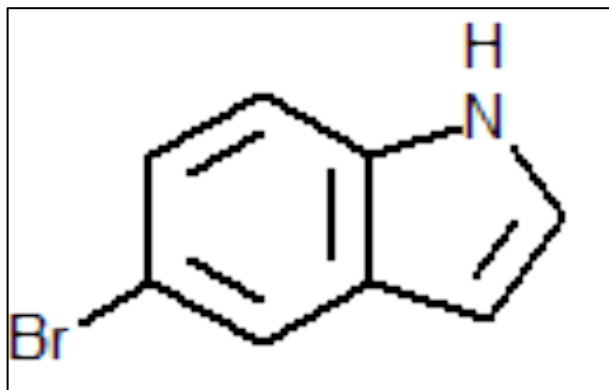
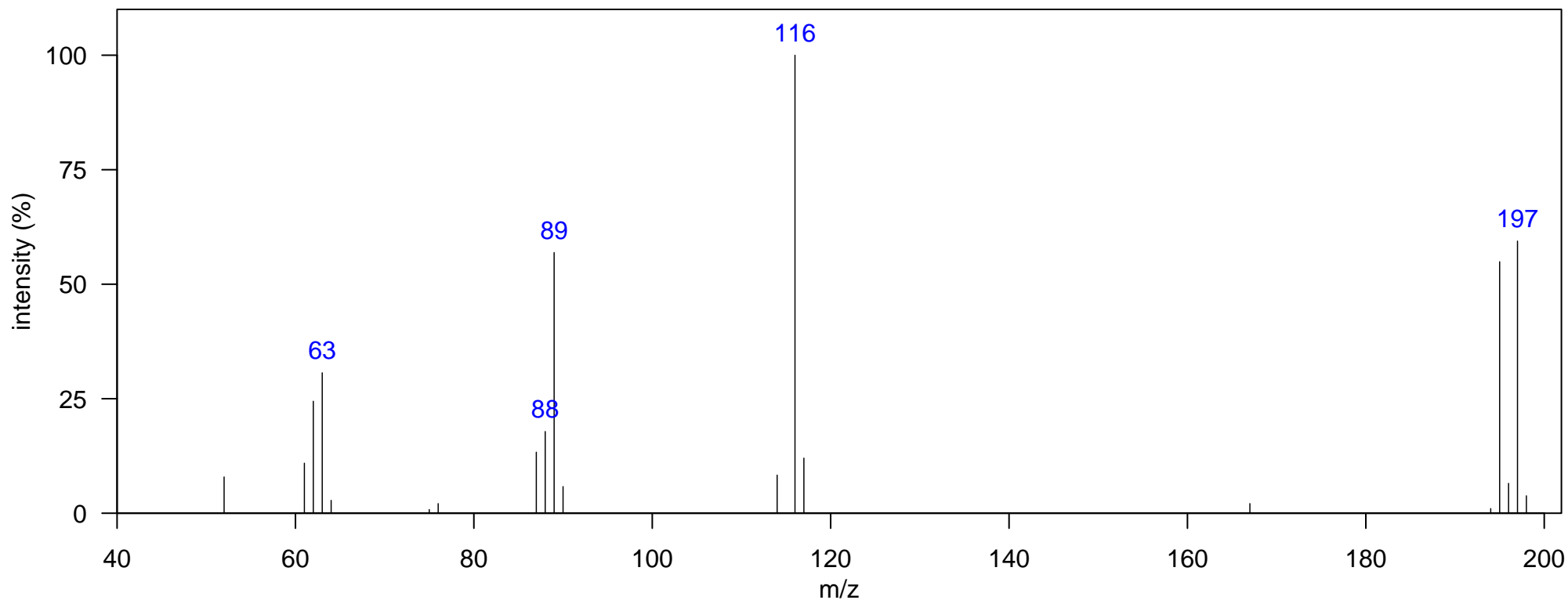
Name: 5-bromoindole

Class: Brominated indole

Matrix: South Atlantic Dolphin Blubber
In N. Atlantic: TRUE, In N. Pacific: TRUE
Typically Monitored: FALSE
Comment:

Instrument: GCxGC-TOF, EI, 70 eV
1D RT, 2D RT (s): 1040.75, 1.003
Quantitative Ion m/z: 195

Elemental Formula: C₈H₆BrN
Source: natural
Identification: Authentic MS RT



m/z [Fragment]

89 [M-Br-CN⁺H]
116 [M-Br]⁺
195 M⁺

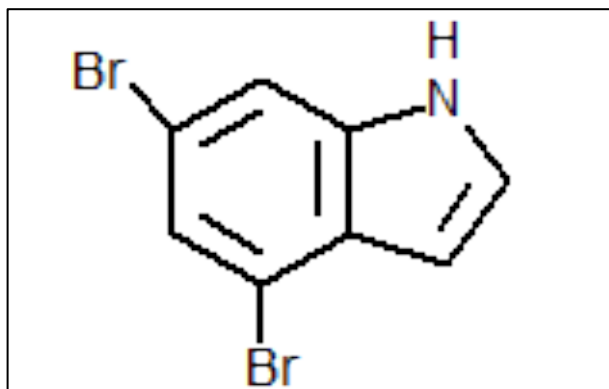
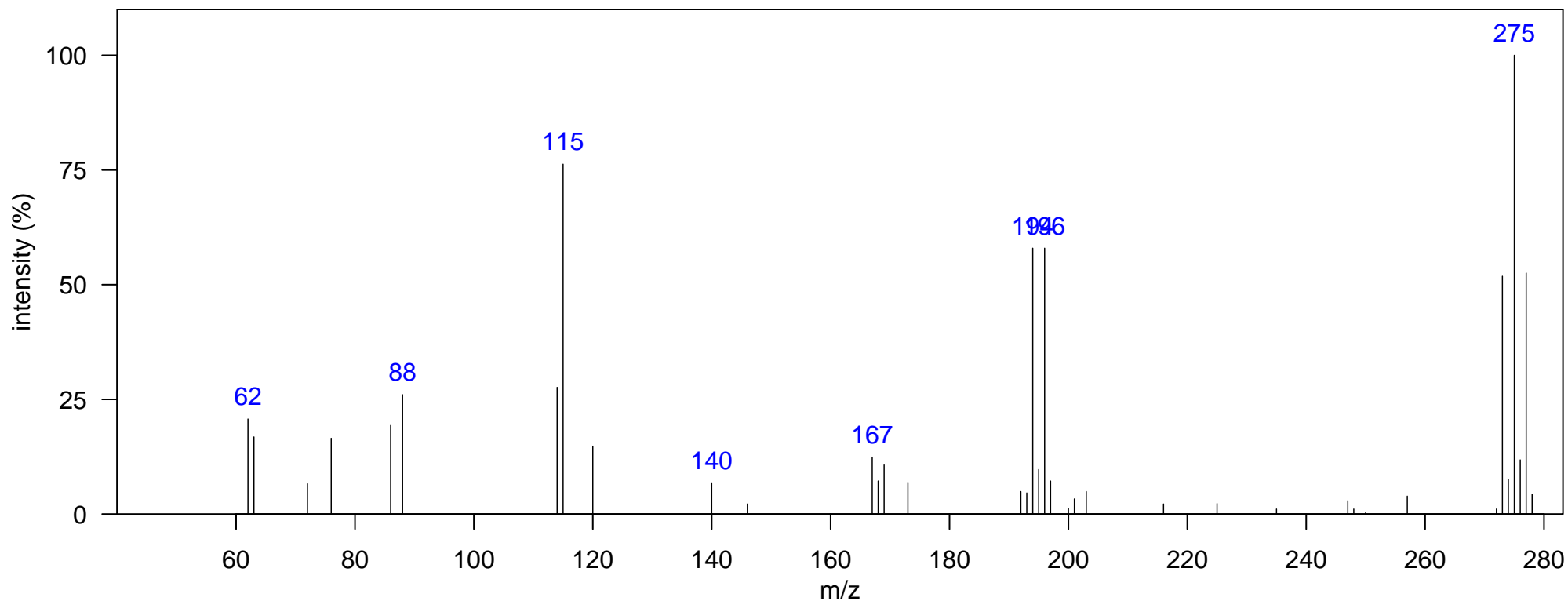
Name: 4,6-dibromindole

Class: Brominated indole

Matrix: South Atlantic Dolphin Blubber
In N. Atlantic: TRUE, In N. Pacific: TRUE
Typically Monitored: FALSE
Comment:

Instrument: GCxGC-TOF, EI, 70 eV
1D RT, 2D RT (s): 1261.12, 1.129
Quantitative Ion m/z: 275

Elemental Formula: C₈H₅Br₂N
Source: natural
Identification: Authentic MS RT



m/z [Fragment]
194 [M-Br] ⁺
273 M ⁺

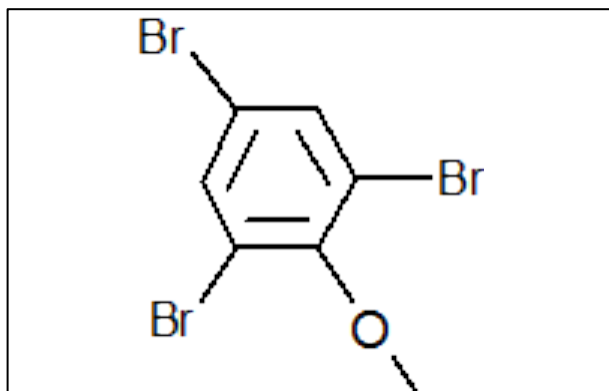
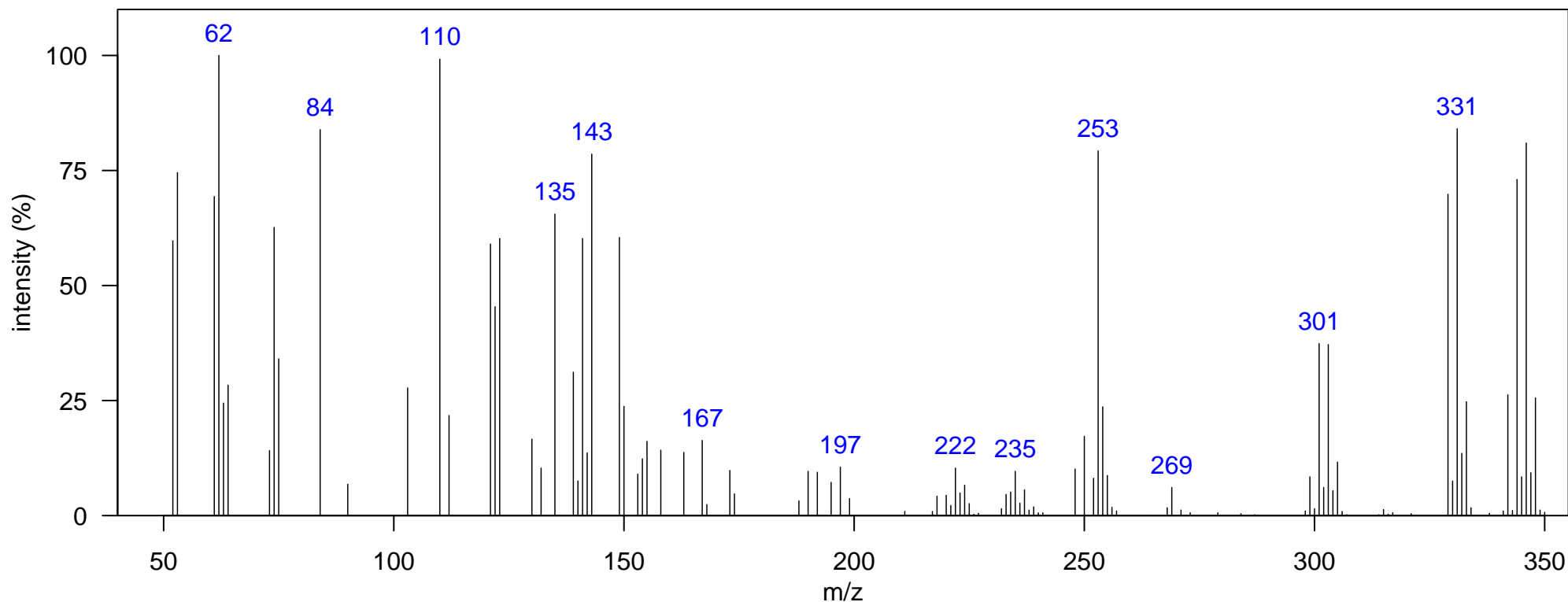
Name: 2,4,6-tribromo anisole

Class: Brominated anisole

Matrix: South Atlantic Dolphin Blubber
In N. Atlantic: TRUE, In N. Pacific: TRUE
Typically Monitored: FALSE
Comment:

Instrument: GCxGC-TOF, EI, 70 eV
1D RT, 2D RT (s): 1033.75, 0.898
Quantitative Ion m/z: 331

Elemental Formula: C₇H₅Br₃O
Source: mixed
Identification: Authentic MS RT



m/z [Fragment]

299 [M-CH₃-CO]⁺
327 [M-CH₃]⁺
342 M⁺

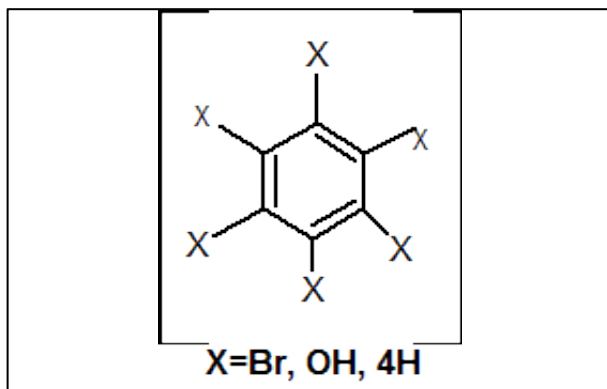
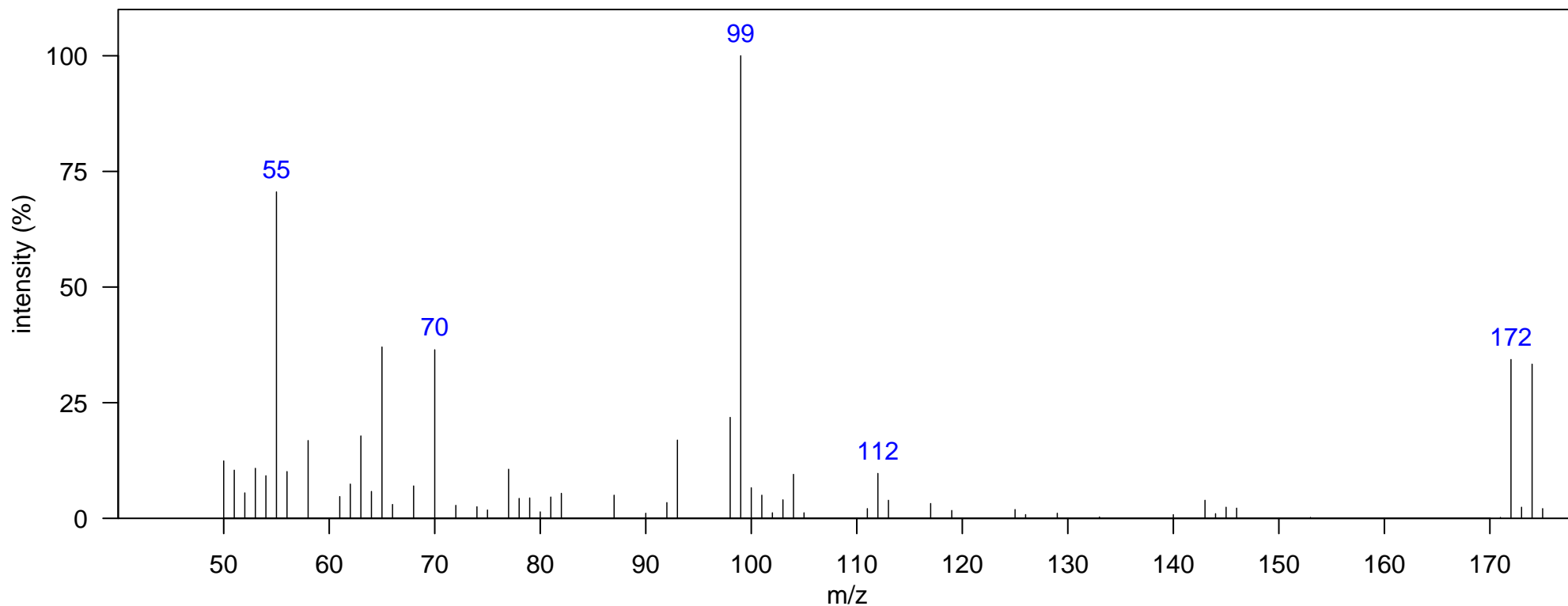
Name: bromophenol

Class: Bromophenol-M

Matrix: South Atlantic Dolphin Blubber
In N. Atlantic: FALSE, In N. Pacific: FALSE
Typically Monitored: FALSE
Comment:

Instrument: GCxGC-TOF, EI, 70 eV
1D RT, 2D RT (s): 799.386, 0.858
Quantitative Ion m/z: 172

Elemental Formula: C₆H₅BrO
Source: mixed
Identification: Reference Database MS



m/z [Fragment]
172 [M-Br] ⁺

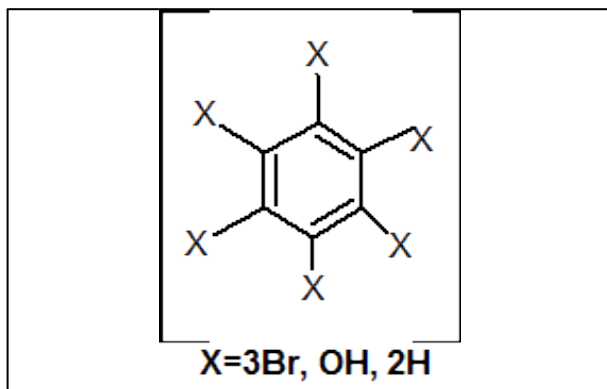
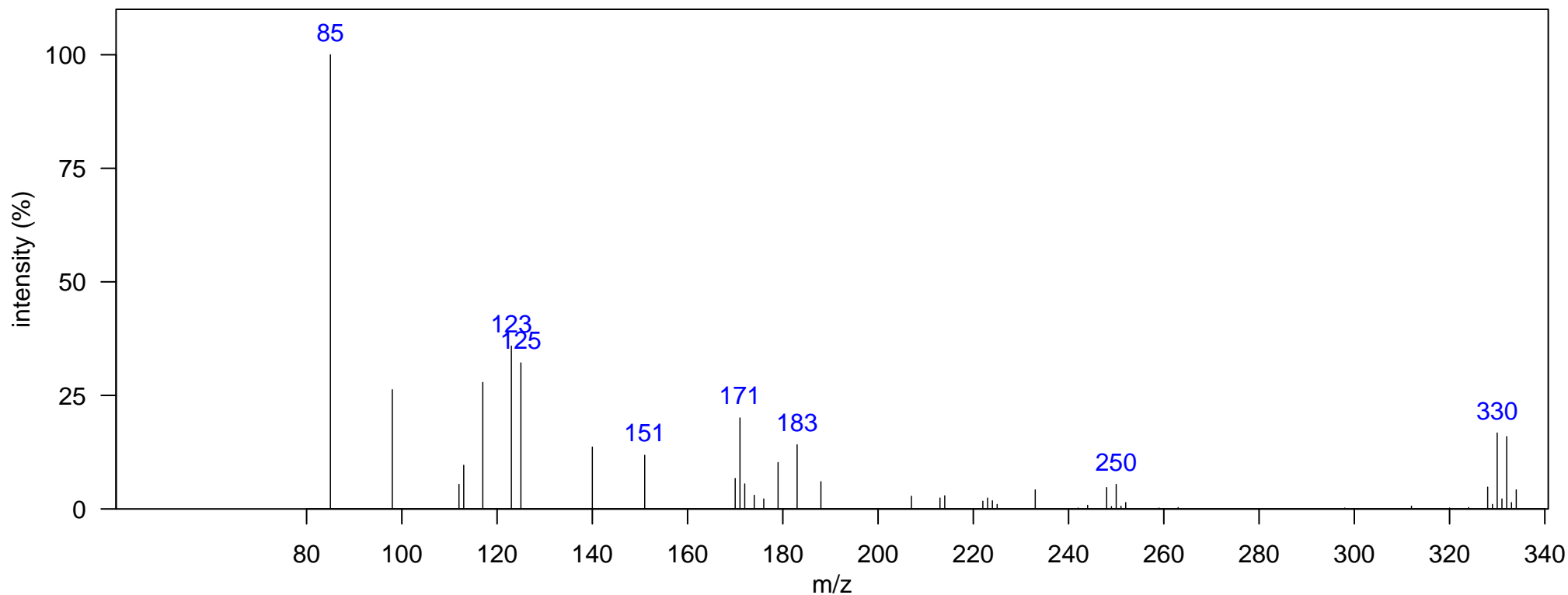
Name: tribromophenol

Class: Bromophenol-M

Matrix: South Atlantic Dolphin Blubber
In N. Atlantic: TRUE, In N. Pacific: FALSE
Typically Monitored: FALSE
Comment:

Instrument: GCxGC-TOF, EI, 70 eV
1D RT, 2D RT (s): 1051.24, 0.937
Quantitative Ion m/z: 330

Elemental Formula: C₆H₃Br₃O
Source: mixed
Identification: Reference Database MS



m/z [Fragment]
248 [M-Br ₂] ⁺
330 [M-Br ₃] ⁺

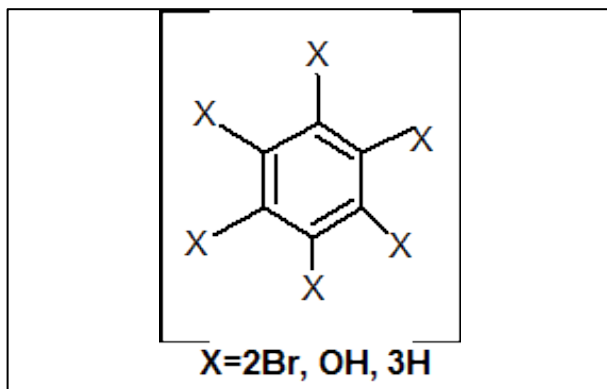
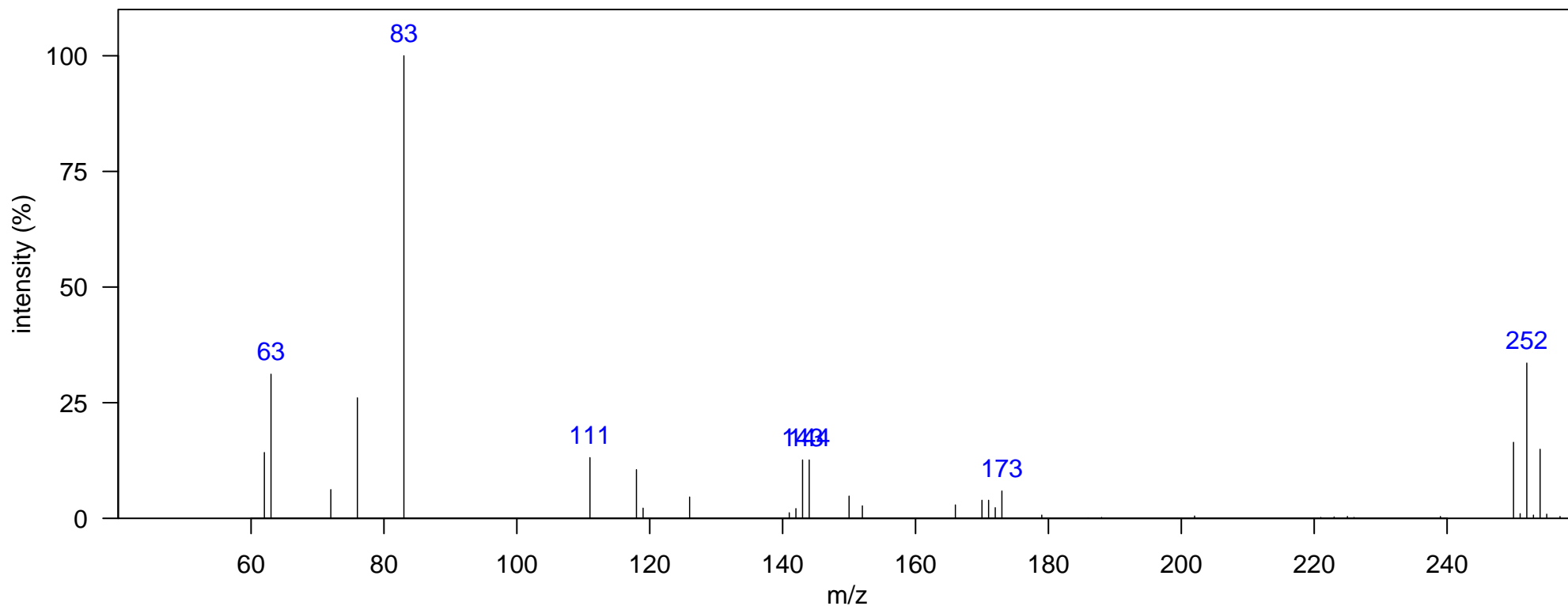
Name: dibromophenol

Class: Bromophenol-U

Matrix: South Atlantic Dolphin Blubber
In N. Atlantic: FALSE, In N. Pacific: FALSE
Typically Monitored: FALSE
Comment:

Instrument: GCxGC-TOF, EI, 70 eV
1D RT, 2D RT (s): 834.366, 0.865
Quantitative Ion m/z: 252

Elemental Formula: C₆H₄Br₂O
Source: unknown
Identification: Reference Database MS



m/z [Fragment]
250 [M-Br ₂] ⁺

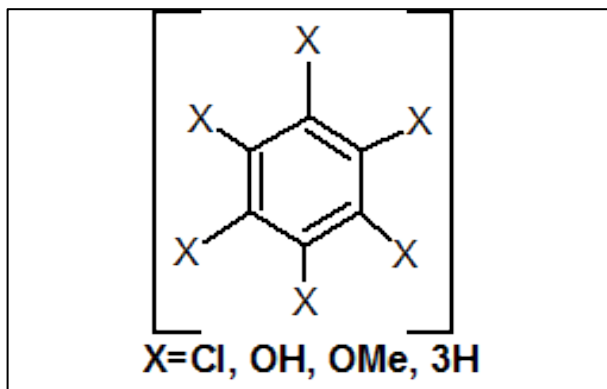
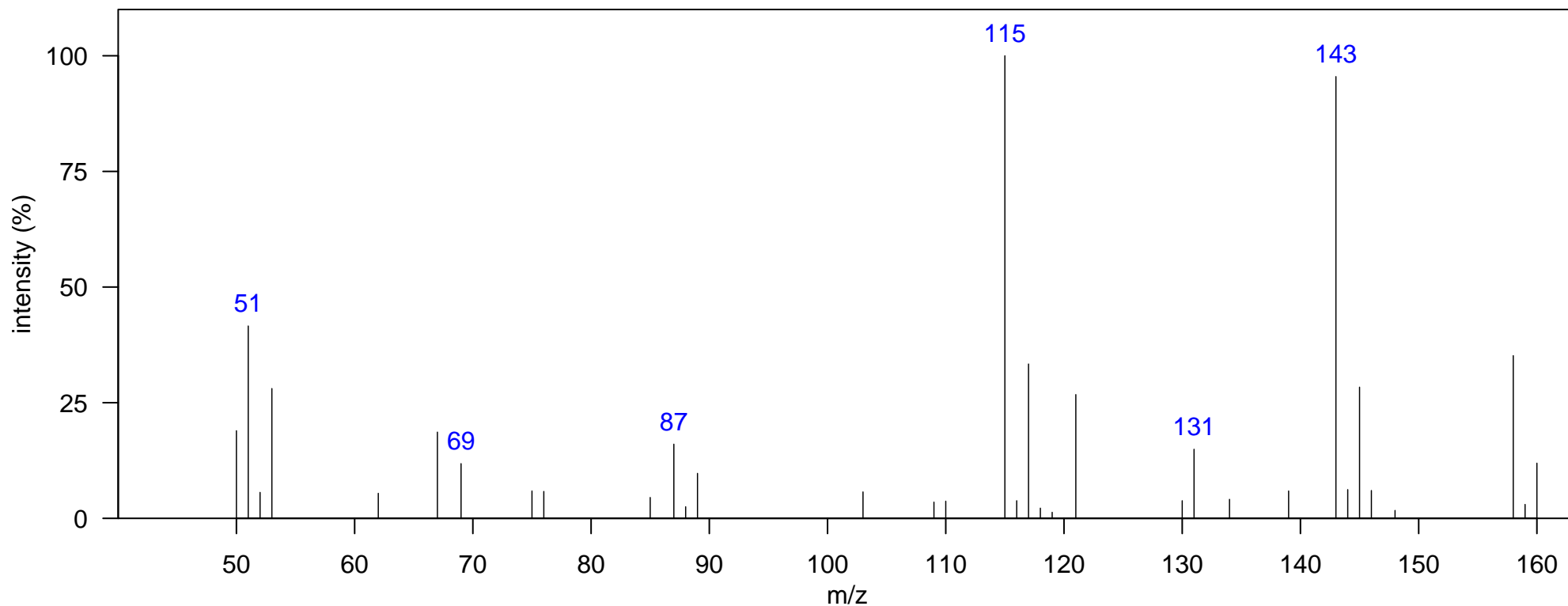
Name: methoxy chlorophenol

Class: Chlorophenol-M

Matrix: South Atlantic Dolphin Blubber
In N. Atlantic: FALSE, In N. Pacific: FALSE
Typically Monitored: FALSE
Comment:

Instrument: GCxGC-TOF, EI, 70 eV
1D RT, 2D RT (s): 781.896, 0.832
Quantitative Ion m/z: 143

Elemental Formula: C₇H₇ClO₂
Source: mixed
Identification: Reference Database MS



m/z [Fragment]
143 [M-Cl] ⁺
158 M ⁺

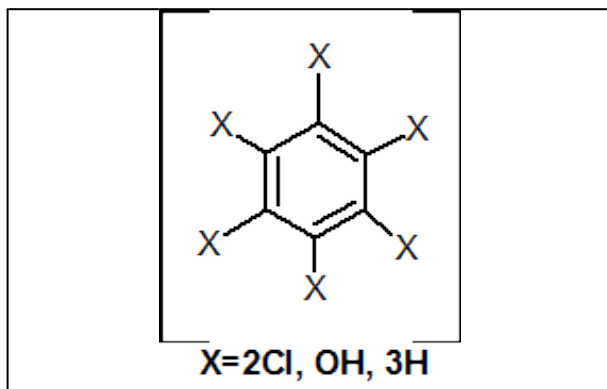
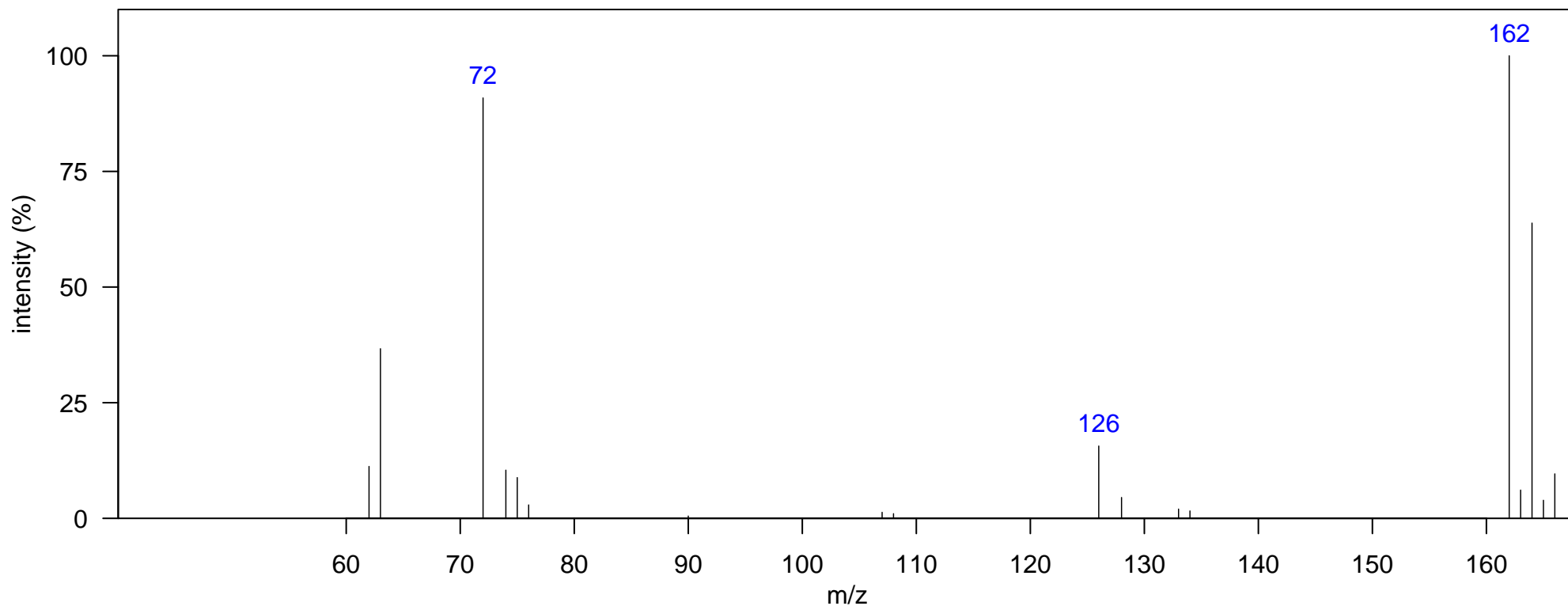
Name: dichlorophenol

Class: Chlorophenol-U

Matrix: South Atlantic Dolphin Blubber
In N. Atlantic: FALSE, In N. Pacific: FALSE
Typically Monitored: FALSE
Comment:

Instrument: GCxGC-TOF, EI, 70 eV
1D RT, 2D RT (s): 715.434, 1.082
Quantitative Ion m/z: 162

Elemental Formula: C₆H₄Cl₂O
Source: unknown
Identification: Reference Database MS



m/z [Fragment]
126 [M-Cl ₂] ⁺
162 M ⁺

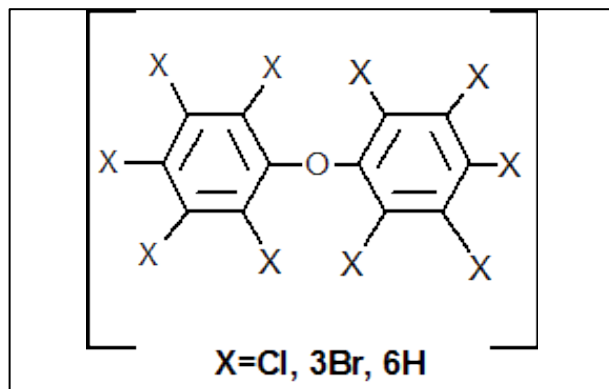
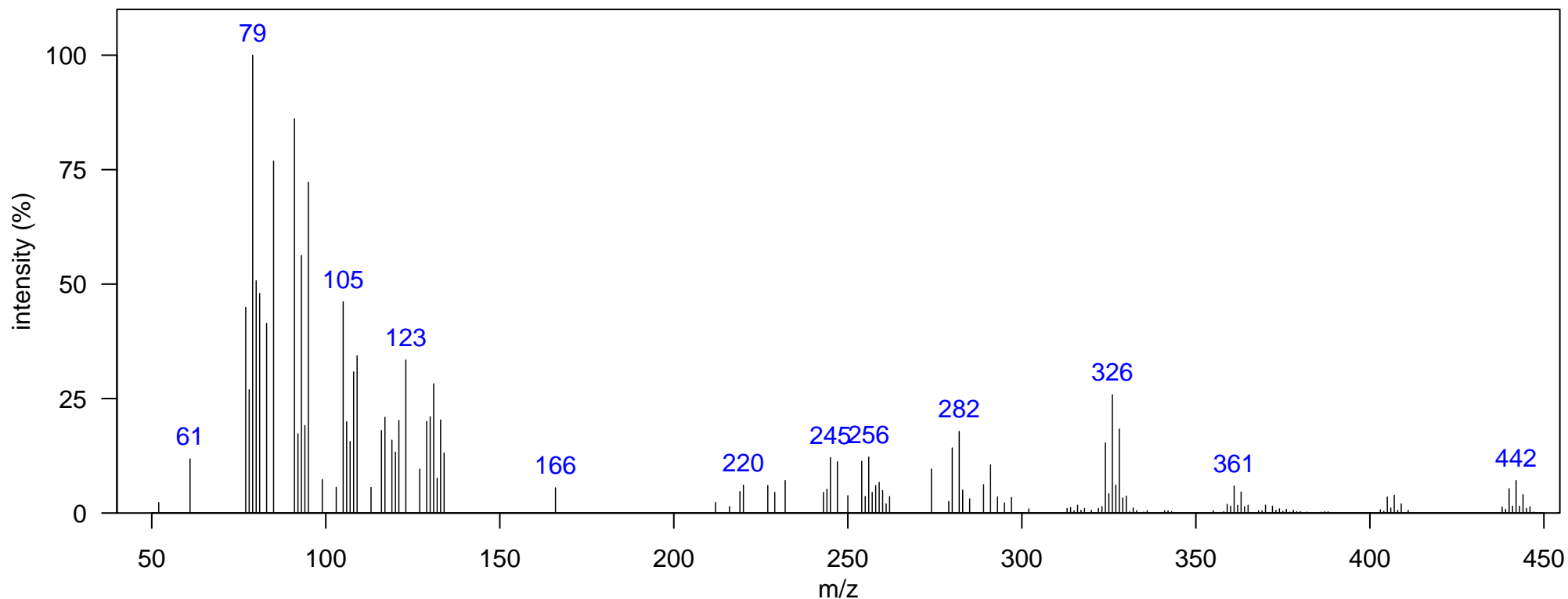
Name: PBCDE Br3Cl 1

Class: B/CDE

Matrix: South Atlantic Dolphin Blubber
In N. Atlantic: TRUE, In N. Pacific: TRUE
Typically Monitored: FALSE
Comment:

Instrument: GCxGC-TOF, EI, 70 eV
1D RT, 2D RT (s): 1355.57, 0.997
Quantitative Ion m/z: 442

Elemental Formula: C₁₂H₆Br₃ClO
Source: unknown
Identification: Manual-Congener Group



m/z [Fragment]

245 [H-Br₂-Cl]
280 [M-Br₂]⁺
359 [M-Br]⁺
403 [M-Cl]⁺
438 M⁺

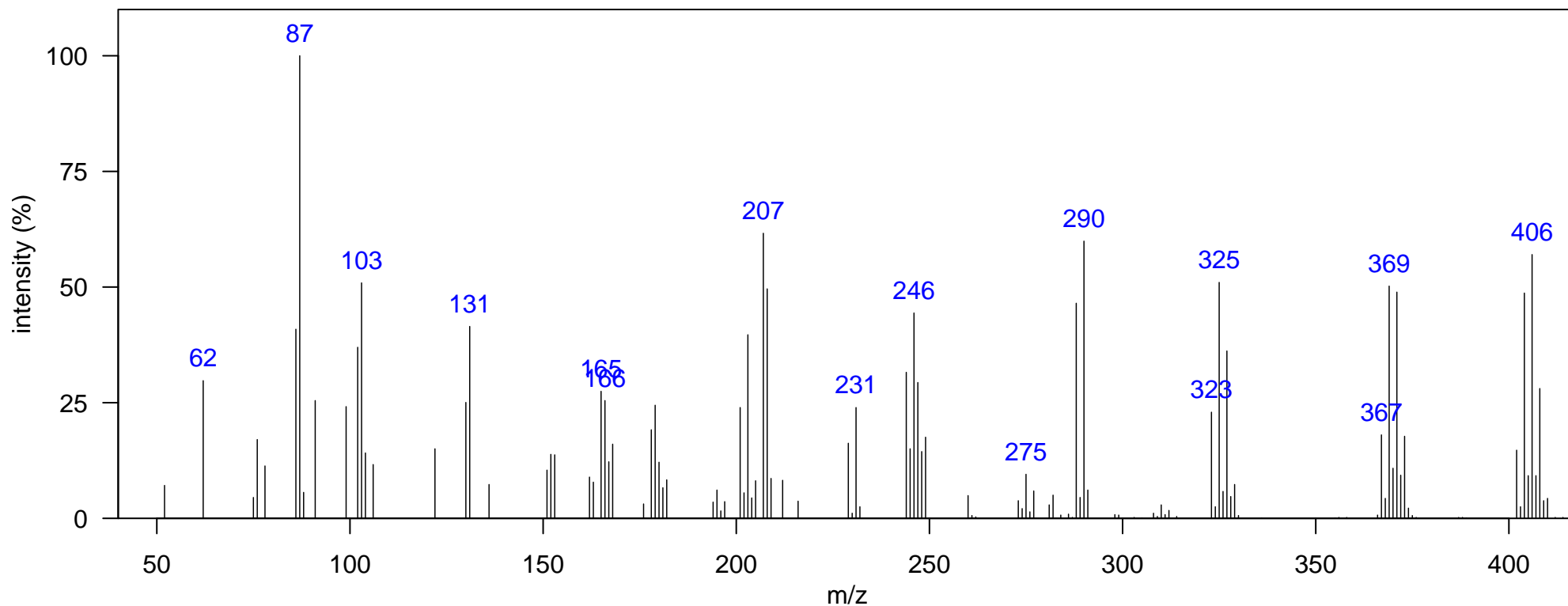
Name: unknown-1-1

Class: Unknown-1

Matrix: South Atlantic Dolphin Blubber
In N. Atlantic: TRUE, In N. Pacific: TRUE
Typically Monitored: FALSE
Comment: unknown-3-1 (Pacific Library)

Instrument: GCxGC-TOF, EI, 70 eV
1D RT, 2D RT (s): 1264.62, 1.003
Quantitative Ion m/z: 406

Elemental Formula: C₉H₆OBr₃Cl
Source: unknown
Identification: NA



m/z [Fragment]
288 [M-BrCl]+
323 [M-Br]+
367 [M-Cl]+
402 M+

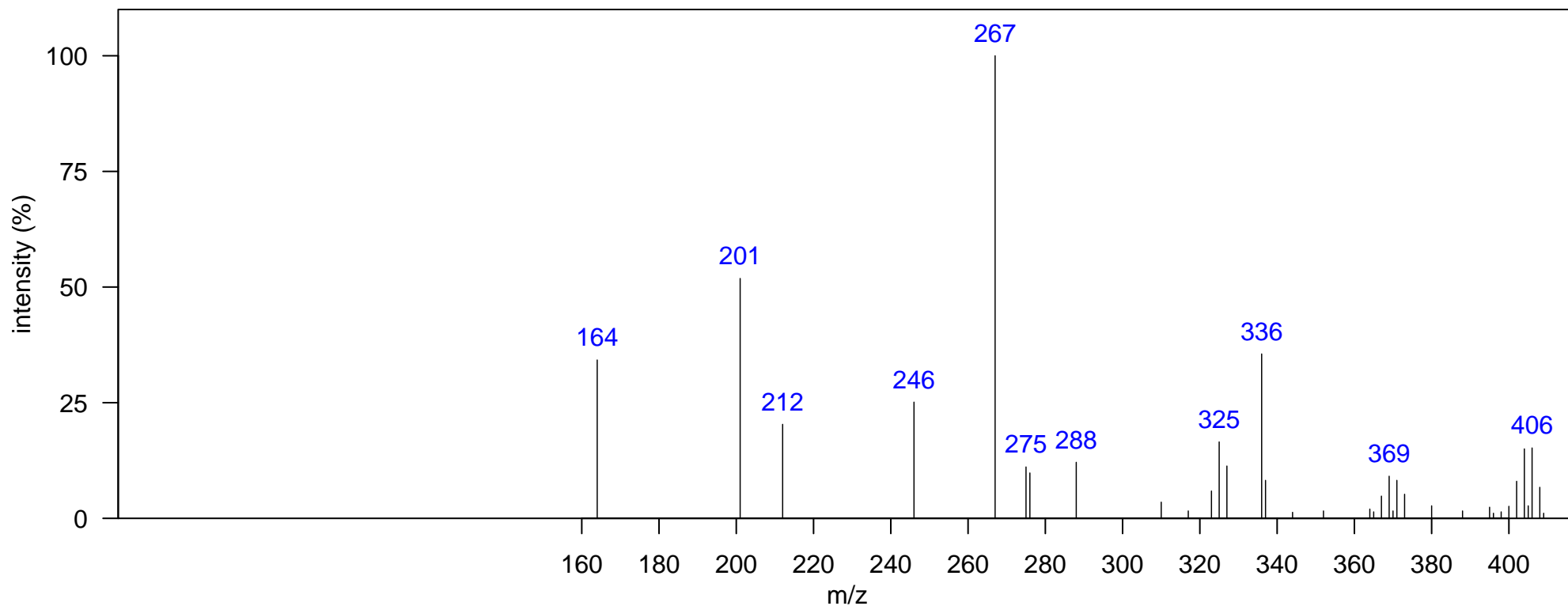
Name: unknown-1-2

Class: Unknown-1

Matrix: South Atlantic Dolphin Blubber
In N. Atlantic: FALSE, In N. Pacific: FALSE
Typically Monitored: FALSE
Comment:

Instrument: GCxGC-TOF, EI, 70 eV
1D RT, 2D RT (s): 1275.11, 1.01
Quantitative Ion m/z: 406

Elemental Formula: C₉H₆OBr₃Cl
Source: unknown
Identification: NA



m/z [Fragment]
288 [M-BrCl]+
323 [M-Br]+
367 [M-Cl]+
402 M+

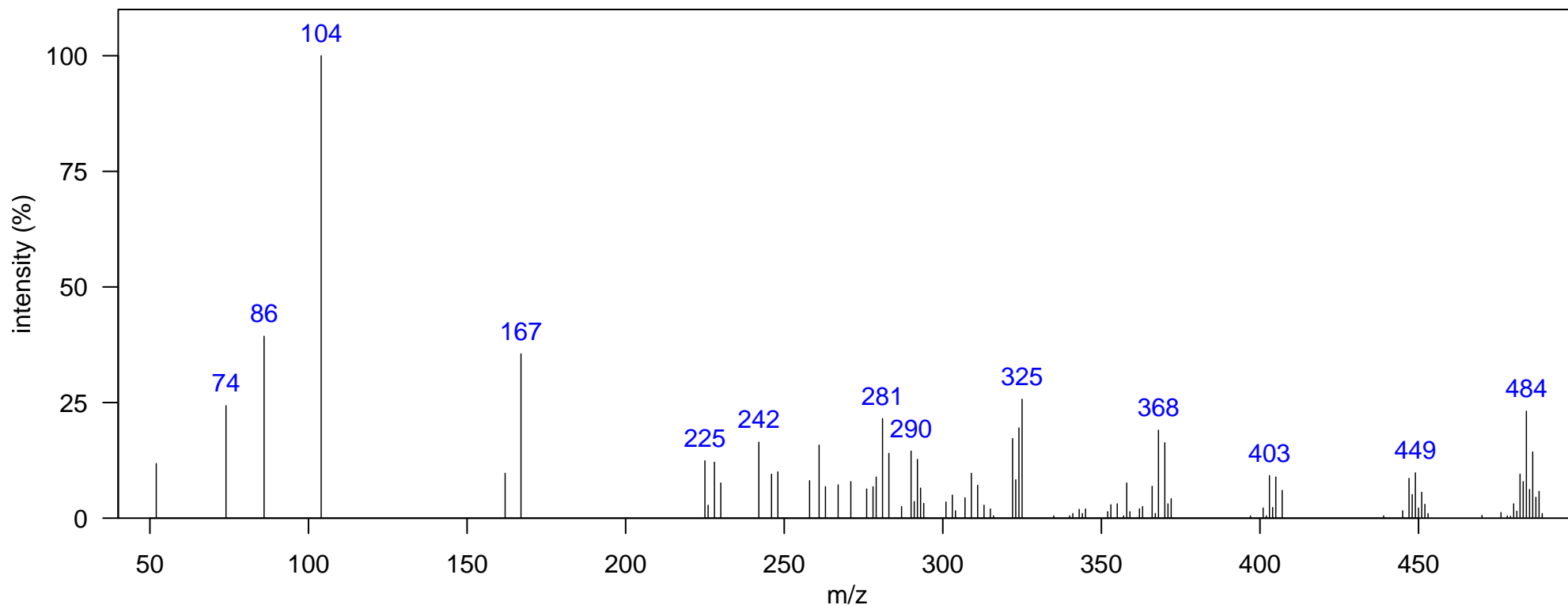
Name: unknown-1-3

Class: Unknown-1

Matrix: South Atlantic Dolphin Blubber
In N. Atlantic: TRUE, In N. Pacific: TRUE
Typically Monitored: FALSE
Comment: unknown-3-2 (Pacific Library)

Instrument: GCxGC-TOF, EI, 70 eV
1D RT, 2D RT (s): 1376.56, 1.096
Quantitative Ion m/z: 484

Elemental Formula: C₉H₆OBr₄Cl
Source: unknown
Identification: NA



m/z [Fragment]
322 [M-Br ₂] ⁺
366 [M-BrCl] ⁺
401 [M-Br] ⁺
445 [M-Cl] ⁺
480 M ⁺

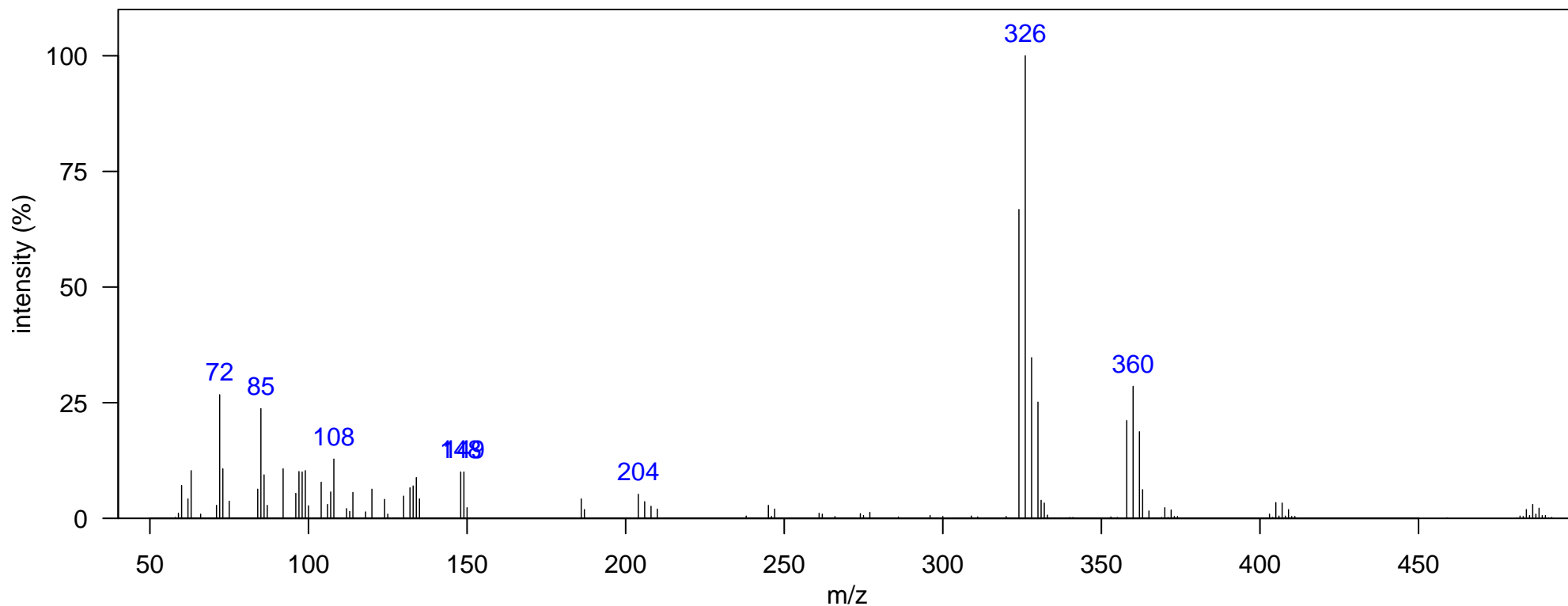
Name: unknown-1-4

Class: Unknown-1

Matrix: South Atlantic Dolphin Blubber
In N. Atlantic: FALSE, In N. Pacific: FALSE
Typically Monitored: FALSE
Comment:

Instrument: GCxGC-TOF, EI, 70 eV
1D RT, 2D RT (s): 1401.04, 1.036
Quantitative Ion m/z: 484

Elemental Formula: C₉H₆OBr₄Cl
Source: unknown
Identification: NA



m/z [Fragment]
360 PCB Interference
401 [M-Br]⁺
480 M⁺

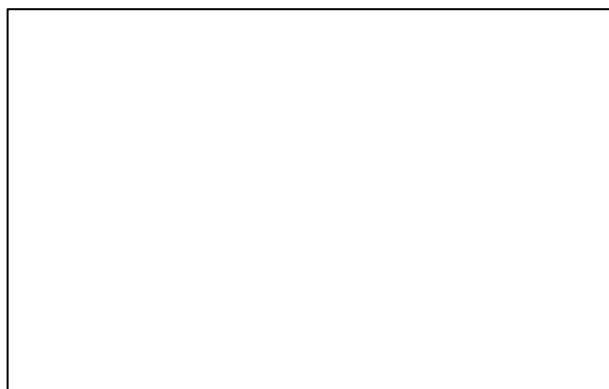
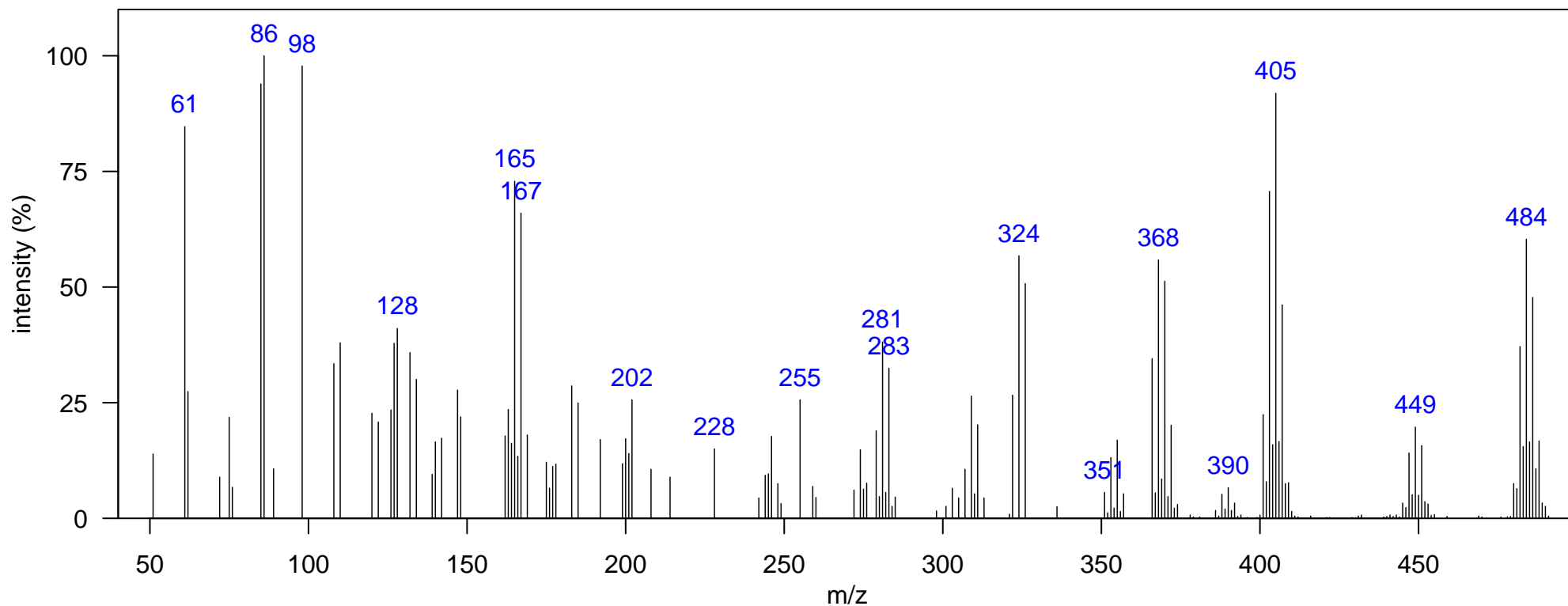
Name: unknown-1-5

Class: Unknown-1

Matrix: South Atlantic Dolphin Blubber
In N. Atlantic: TRUE, In N. Pacific: TRUE
Typically Monitored: FALSE
Comment: unknown-3-3 (Pacific Library)

Instrument: GCxGC-TOF, EI, 70 eV
1D RT, 2D RT (s): 1429.03, 1.135
Quantitative Ion m/z: 484

Elemental Formula: C₉H₆OBr₄Cl
Source: unknown
Identification: NA



m/z [Fragment]
401 [M-Br] ⁺
445 [M-Cl] ⁺
480 M ⁺

Name: unknown-2-1

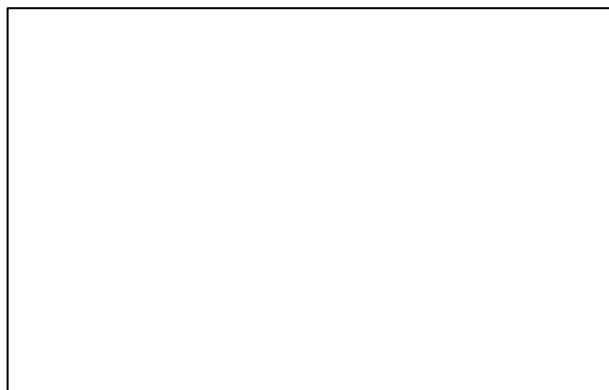
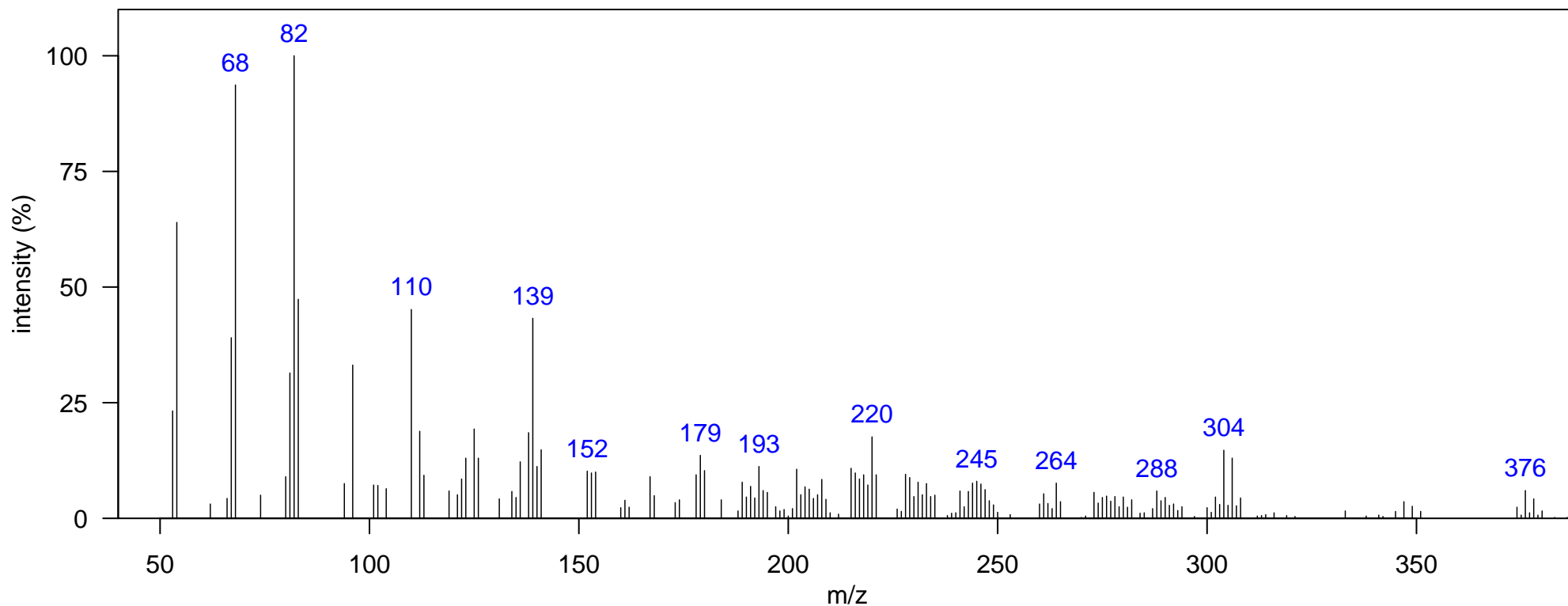
Class: Unknown-2

Matrix: South Atlantic Dolphin Blubber
In N. Atlantic: TRUE, In N. Pacific: TRUE
Typically Monitored: FALSE

Instrument: GCxGC-TOF, EI, 70 eV
1D RT, 2D RT (s): 1436.02, 1.003
Quantitative Ion m/z: 376

Elemental Formula: C₁₂H₄Cl₆O
Source: unknown
Identification: NA

Comment: unknown-4-3 (Pacific Library). Hypothesized PCDE or OH-PCB



m/z [Fragment]
304 [M-Cl ₂] ⁺
374 M ⁺

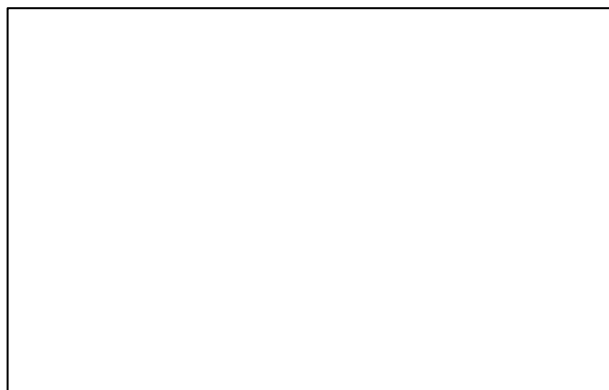
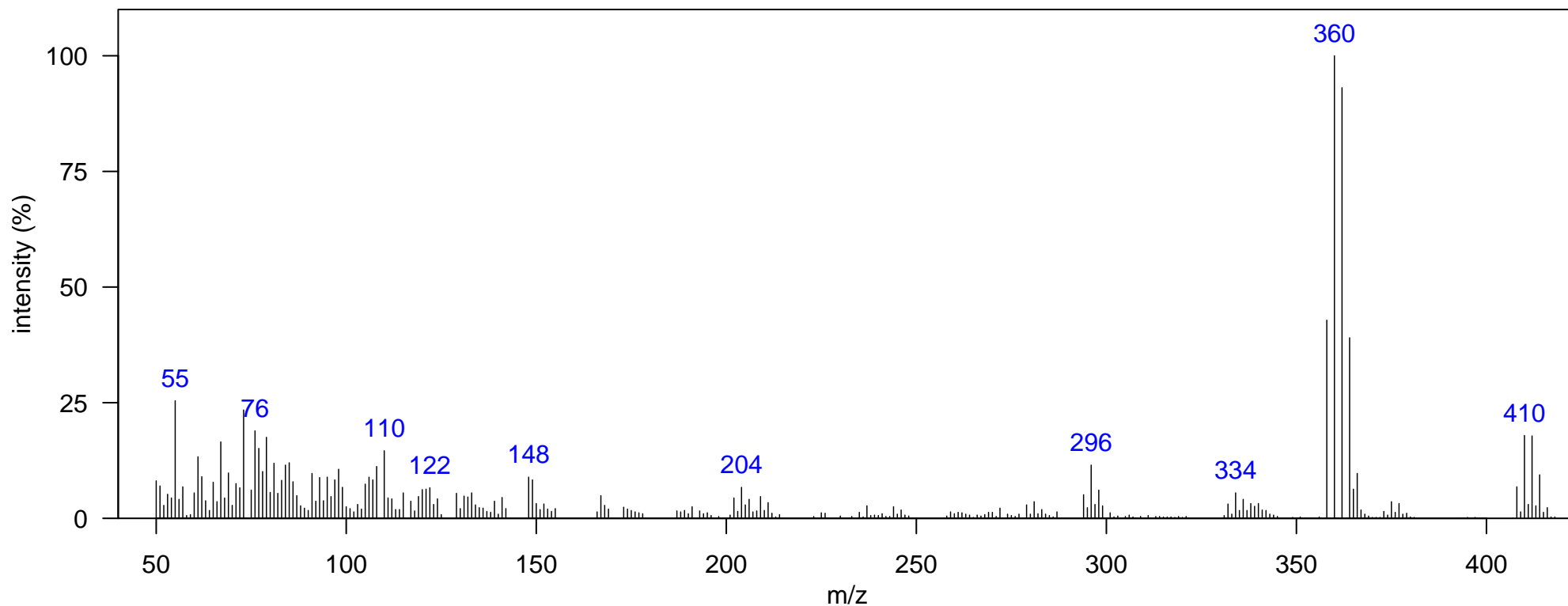
Name: unknown-2-2

Class: Unknown-2

Matrix: South Atlantic Dolphin Blubber
In N. Atlantic: TRUE, In N. Pacific: TRUE
Typically Monitored: FALSE
Comment: unknown-4-9 (Pacific Library). Hypothesized PCDE or OH-PCB

Instrument: GCxGC-TOF, EI, 70 eV
1D RT, 2D RT (s): 1457.01, 1.076
Quantitative Ion m/z: 410

Elemental Formula: C₁₂H₃Cl₇O
Source: unknown
Identification: NA



m/z [Fragment]
360 PCB Interference
373 [M-Cl] ⁺
408 M ⁺

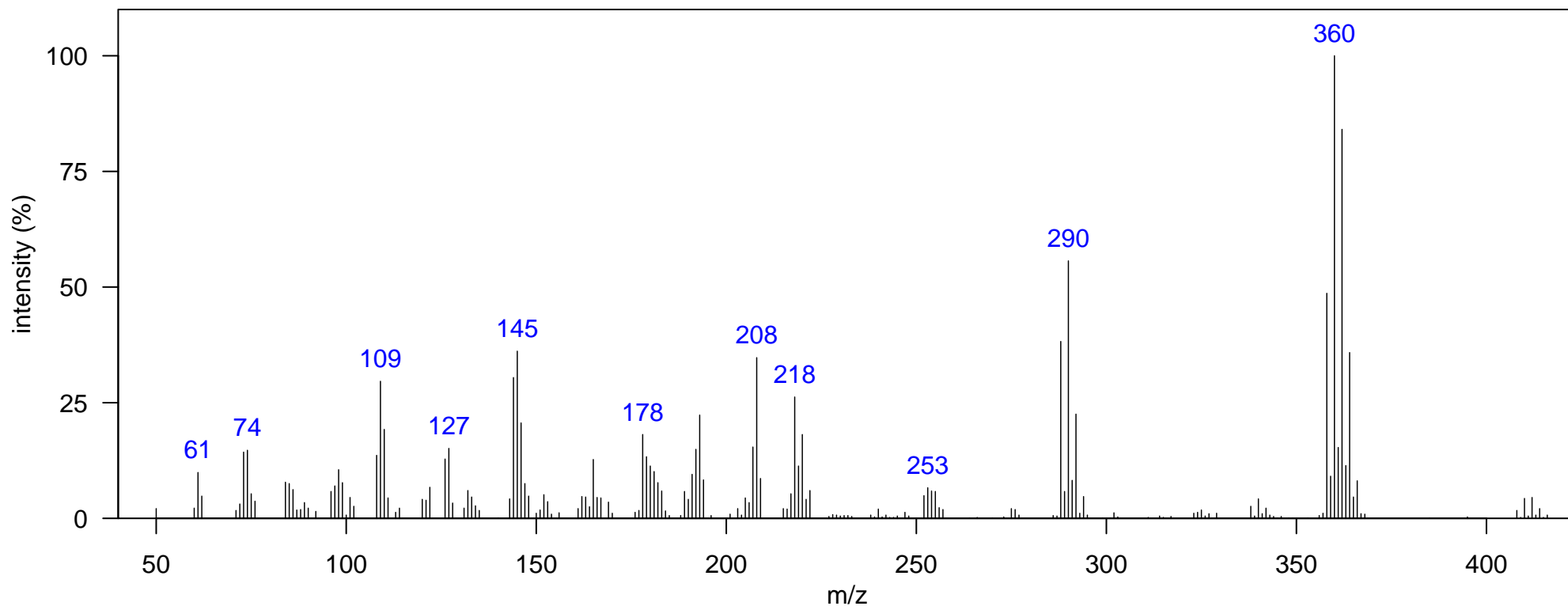
Name: unknown-2-3

Class: Unknown-2

Matrix: South Atlantic Dolphin Blubber
In N. Atlantic: TRUE, In N. Pacific: TRUE
Typically Monitored: FALSE
Comment: unknown-4-10 (Pacific Library). Hypothesized PCDE or OH-PCB

Instrument: GCxGC-TOF, EI, 70 eV
1D RT, 2D RT (s): 1509.48, 1.049
Quantitative Ion m/z: 410

Elemental Formula: C₁₂H₃Cl₇O
Source: unknown
Identification: NA



m/z [Fragment]
290 PCB Interference
360 PCB Interference
338 [M-Cl ₂] ⁺
408 M ⁺

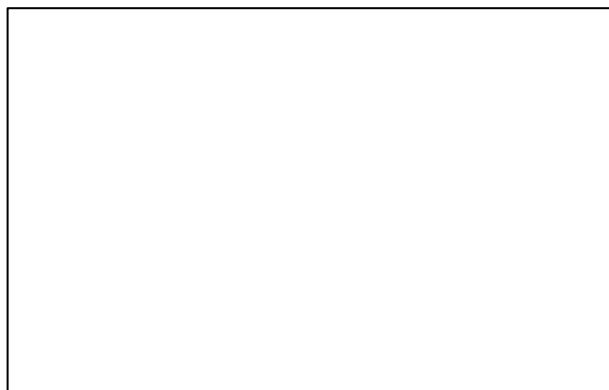
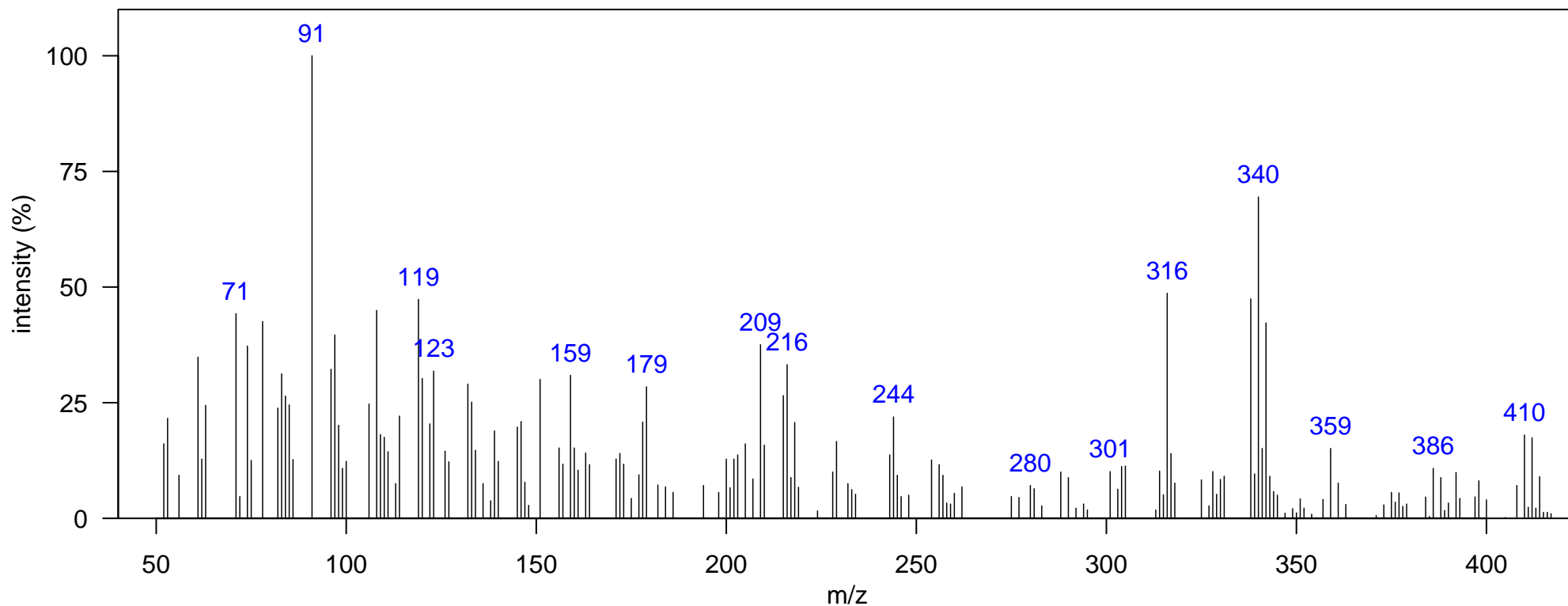
Name: unknown-2-4

Class: Unknown-2

Matrix: South Atlantic Dolphin Blubber
In N. Atlantic: FALSE, In N. Pacific: FALSE
Typically Monitored: FALSE
Comment:

Instrument: GCxGC-TOF, EI, 70 eV
1D RT, 2D RT (s): 1519.97, 1.036
Quantitative Ion m/z: 410

Elemental Formula: C₁₂H₃Cl₇O
Source: unknown
Identification: NA



m/z [Fragment]
338 [M-Cl ₂] ⁺
408 M ⁺

Name: unknown-2-5

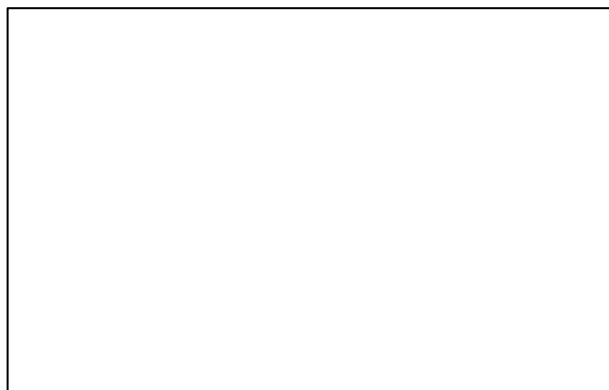
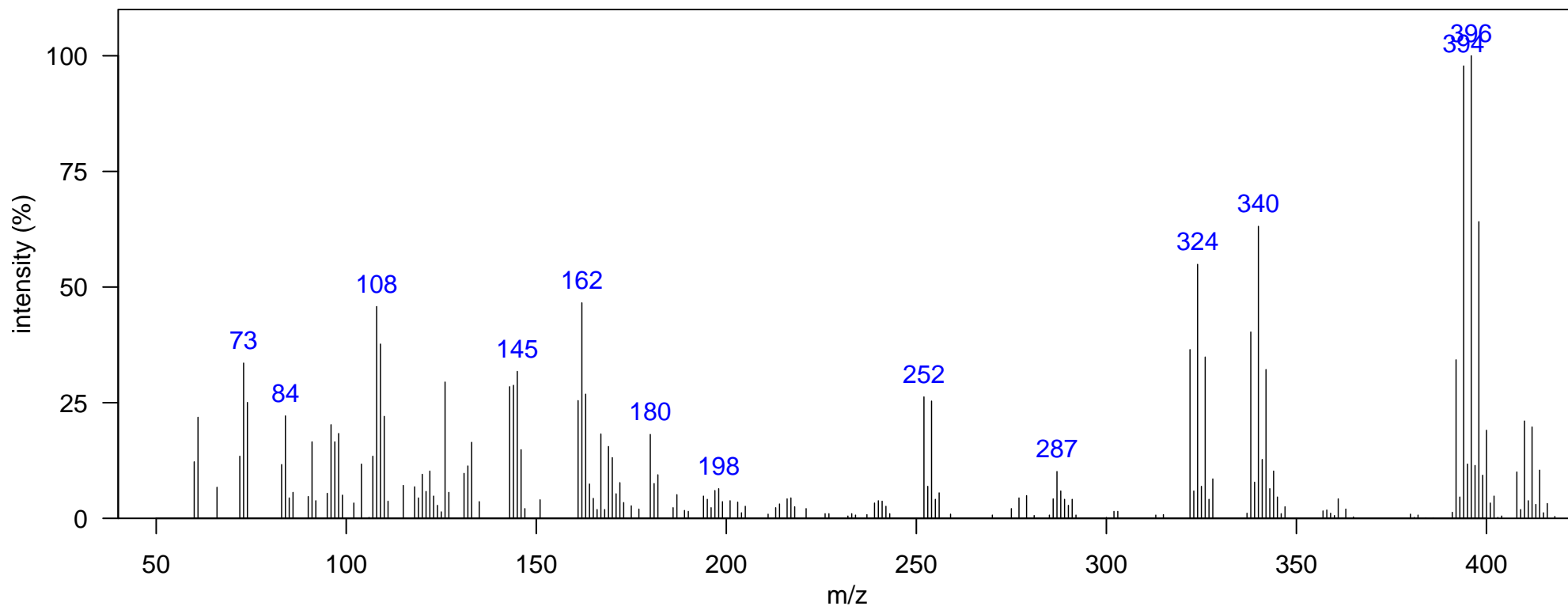
Class: Unknown-2

Matrix: South Atlantic Dolphin Blubber
In N. Atlantic: TRUE, In N. Pacific: TRUE
Typically Monitored: FALSE

Instrument: GCxGC-TOF, EI, 70 eV
1D RT, 2D RT (s): 1530.47, 1.076
Quantitative Ion m/z: 410

Elemental Formula: C₁₂H₃Cl₇O
Source: unknown
Identification: NA

Comment: unknown-4-11 (Pacific Library). Hypothesized PCDE or OH-PCB



m/z [Fragment]

324 PCB Interference
396 PCB Interference
338 [M-Cl₂]⁺
408 M⁺

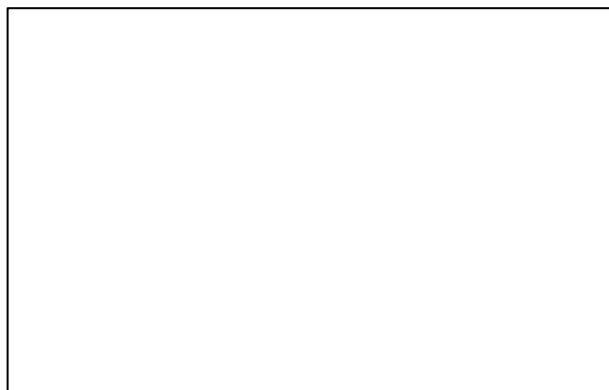
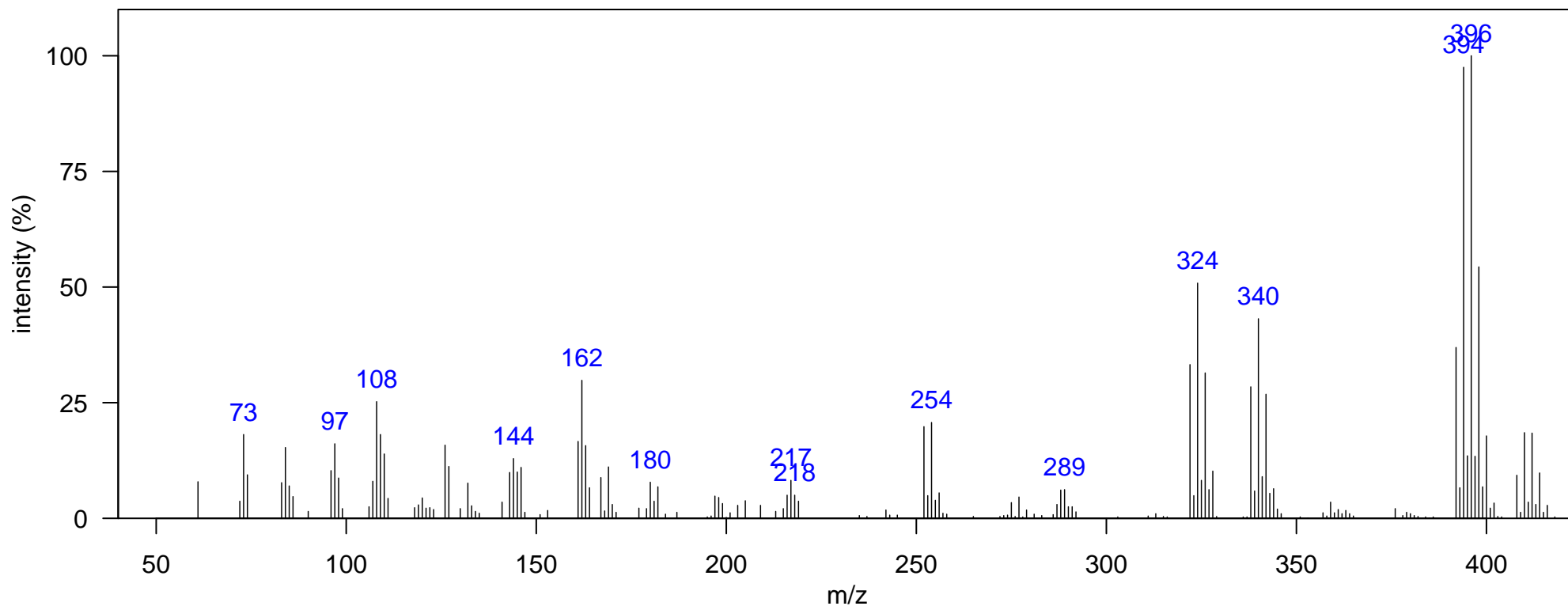
Name: unknown-2-6

Class: Unknown-2

Matrix: South Atlantic Dolphin Blubber
In N. Atlantic: FALSE, In N. Pacific: FALSE
Typically Monitored: FALSE
Comment:

Instrument: GCxGC-TOF, EI, 70 eV
1D RT, 2D RT (s): 1533.97, 1.089
Quantitative Ion m/z: 410

Elemental Formula: C₁₂H₃Cl₇O
Source: unknown
Identification: NA



m/z [Fragment]
324 PCB Interference
396 PCB Interference
338 [M-Cl ₂] ⁺
408 M ⁺

Name: unknown-2-7

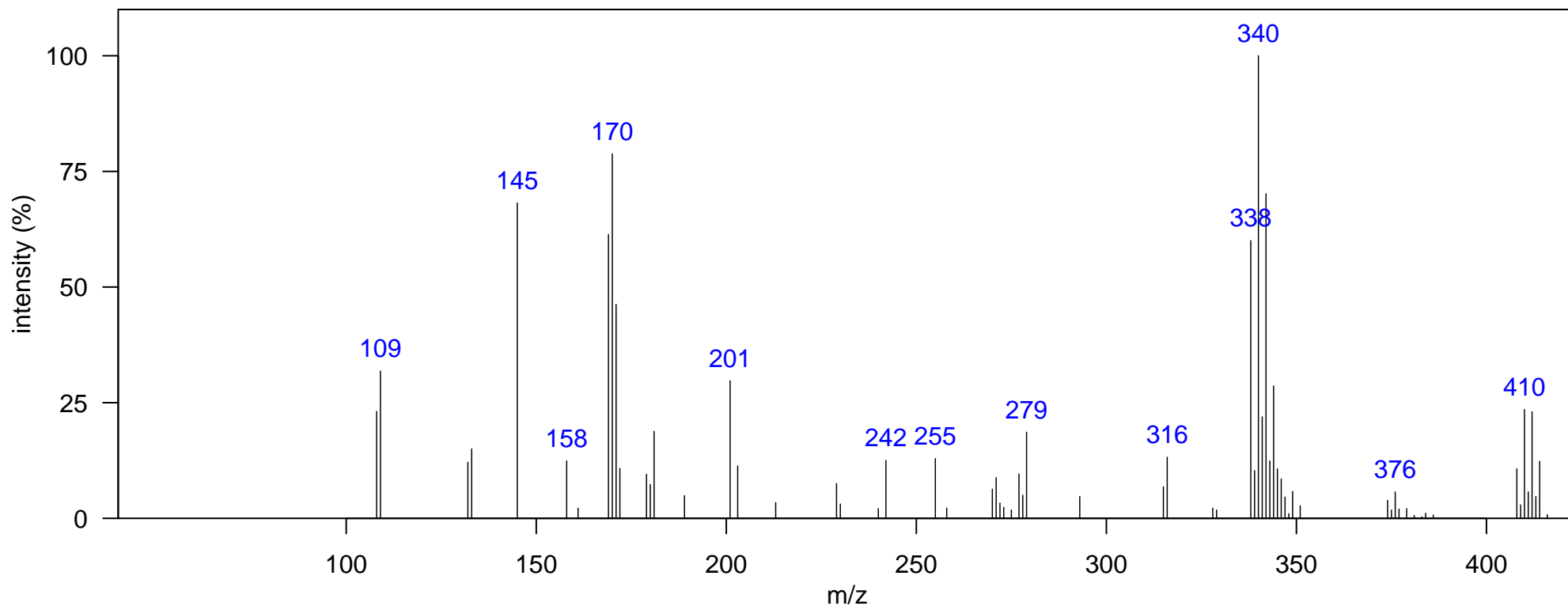
Class: Unknown-2

Matrix: South Atlantic Dolphin Blubber
In N. Atlantic: TRUE, In N. Pacific: TRUE
Typically Monitored: FALSE

Instrument: GCxGC-TOF, EI, 70 eV
1D RT, 2D RT (s): 1586.44, 1.254
Quantitative Ion m/z: 410

Elemental Formula: C₁₂H₃Cl₇O
Source: unknown
Identification: NA

Comment: unknown-4-13 (Pacific Library). Hypothesized PCDE or OH-PCB



m/z [Fragment]
338 [M-Cl ₂] ⁺
408 M ⁺

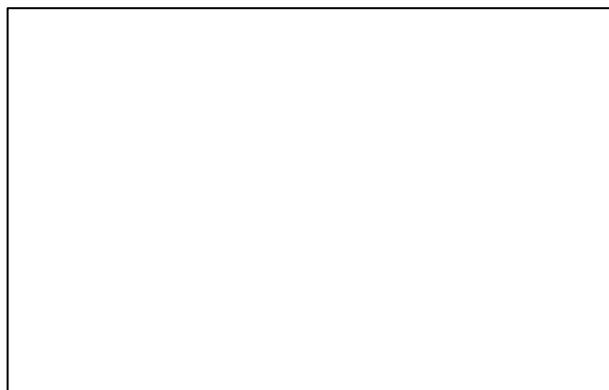
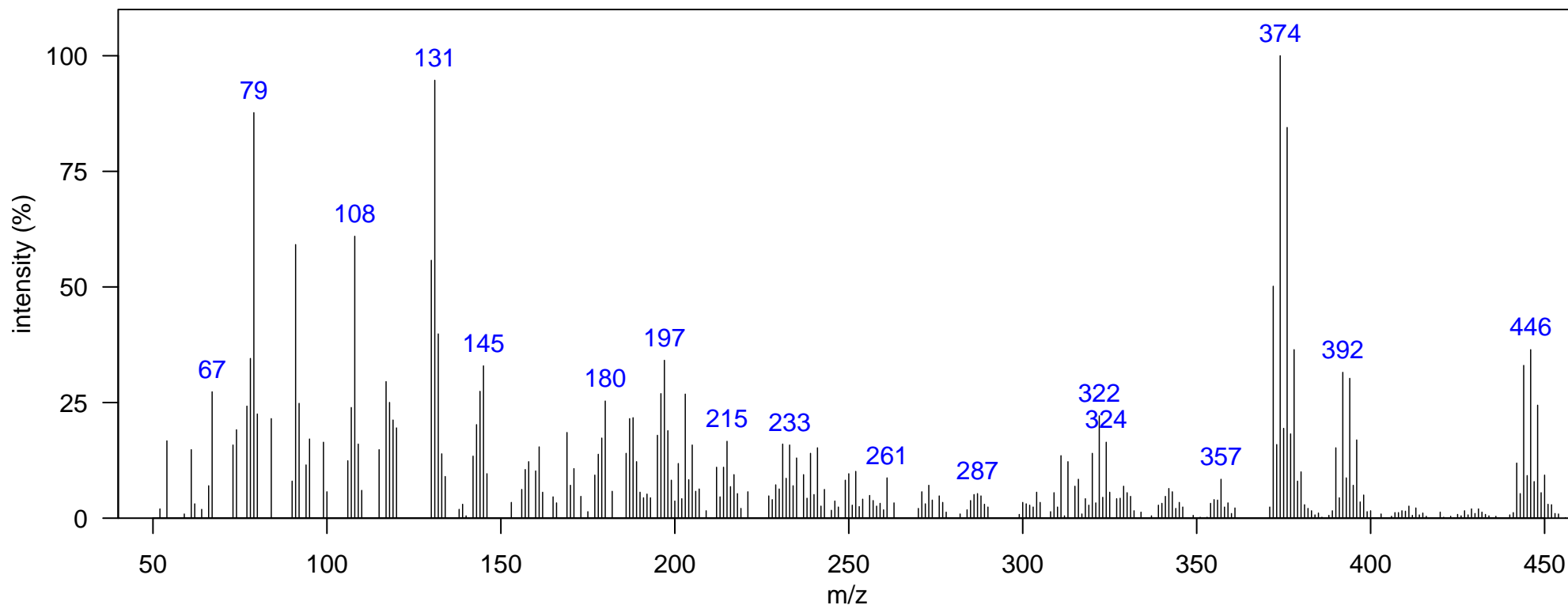
Name: unknown-2-8

Class: Unknown-2

Matrix: South Atlantic Dolphin Blubber
In N. Atlantic: FALSE, In N. Pacific: FALSE
Typically Monitored: FALSE
Comment:

Instrument: GCxGC-TOF, EI, 70 eV
1D RT, 2D RT (s): 1607.42, 1.267
Quantitative Ion m/z: 446

Elemental Formula: C₁₂H₂Cl₈O
Source: unknown
Identification: NA



m/z [Fragment]

392 PCB Interference
372 [M-Cl₂]⁺
442 M⁺

Name: unknown-2-9

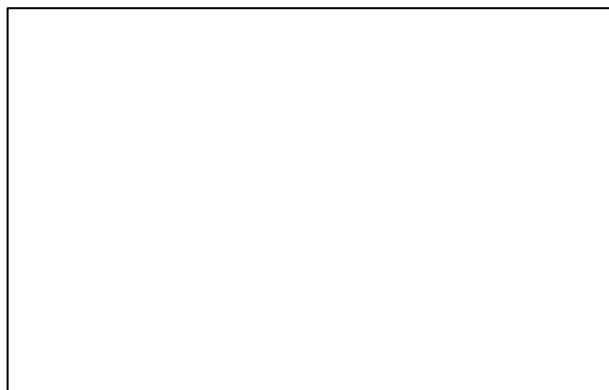
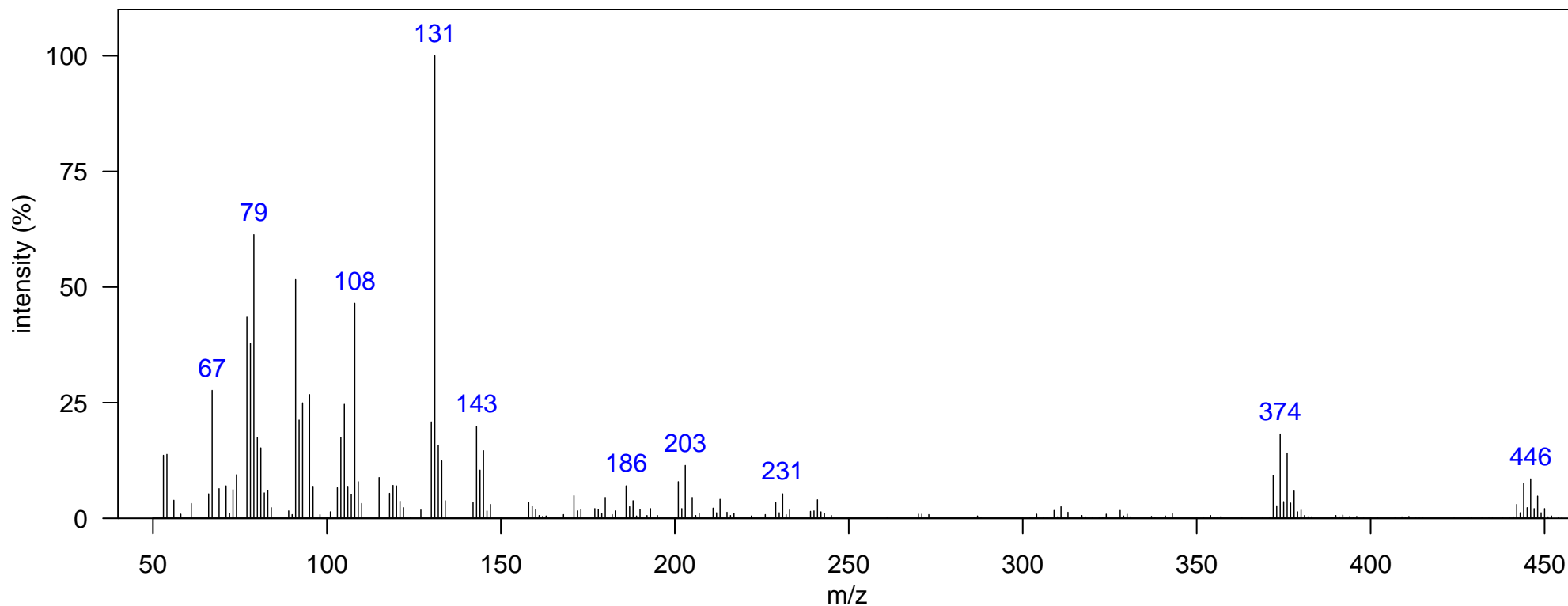
Class: Unknown-2

Matrix: South Atlantic Dolphin Blubber
In N. Atlantic: TRUE, In N. Pacific: TRUE
Typically Monitored: FALSE

Instrument: GCxGC-TOF, EI, 70 eV
1D RT, 2D RT (s): 1614.42, 1.287
Quantitative Ion m/z: 446

Elemental Formula: C₁₂H₂Cl₈O
Source: unknown
Identification: NA

Comment: unknown-4-14 (Pacific Library). Hypothesized PCDE or OH-PCB



m/z [Fragment]
372 [M-Cl ₂] ⁺
442 M ⁺

Name: unknown-2-10

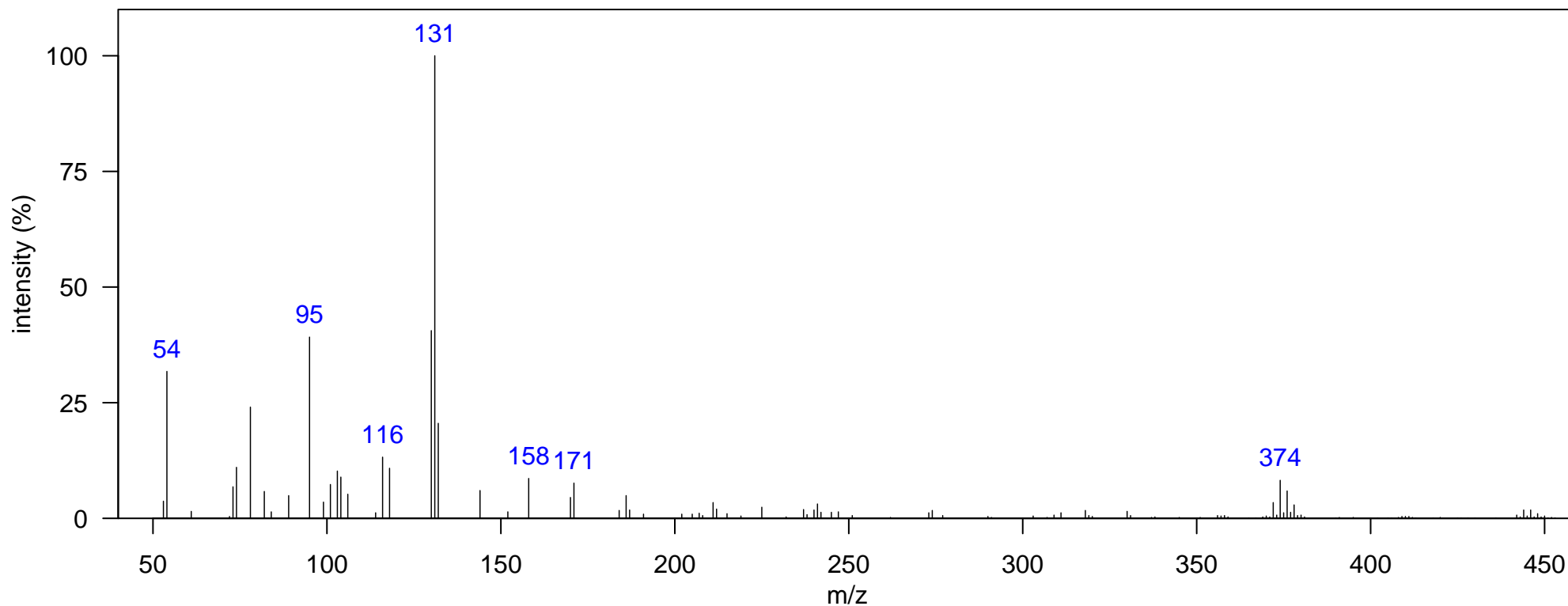
Class: Unknown-2

Matrix: South Atlantic Dolphin Blubber
In N. Atlantic: TRUE, In N. Pacific: TRUE
Typically Monitored: FALSE

Instrument: GCxGC-TOF, EI, 70 eV
1D RT, 2D RT (s): 1621.42, 1.28
Quantitative Ion m/z: 446

Elemental Formula: C₁₂H₂Cl₈O
Source: unknown
Identification: NA

Comment: unknown-4-15 (Pacific Library). Hypothesized PCDE or OH-PCB



m/z [Fragment]
372 [M-Cl ₂] ⁺
442 M ⁺

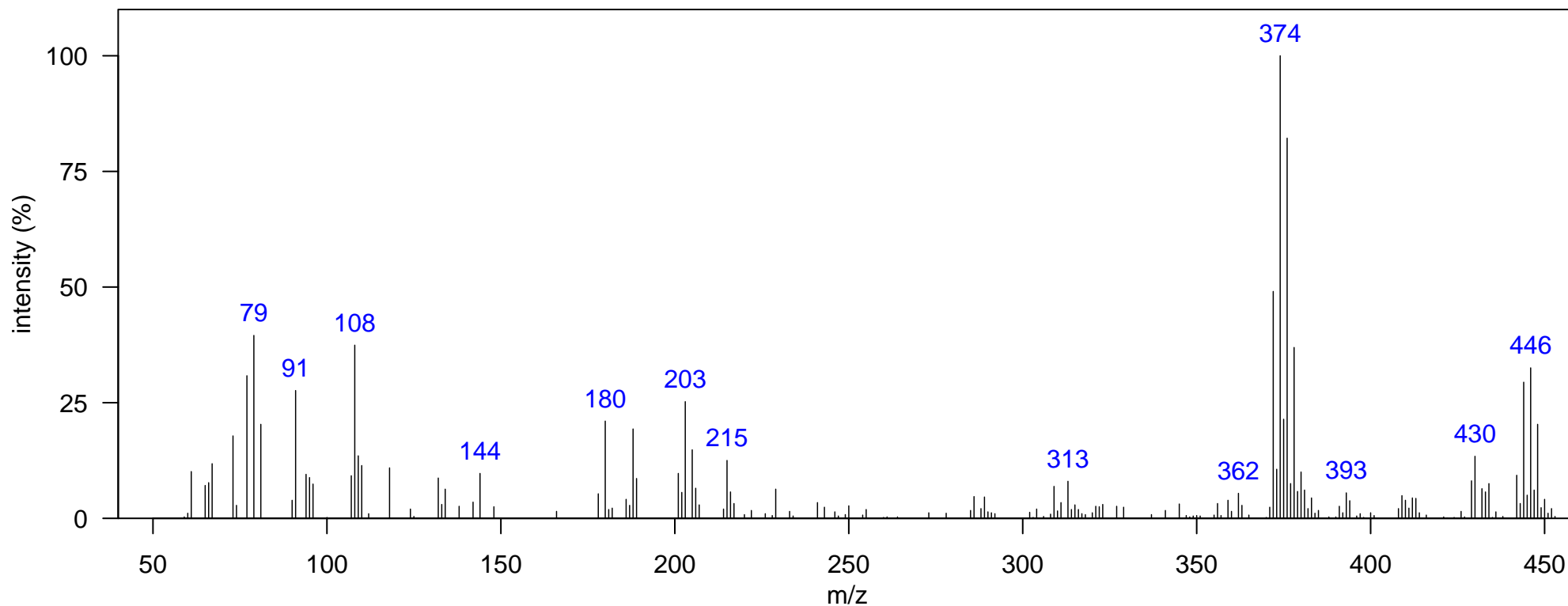
Name: unknown-2-11

Class: Unknown-2

Matrix: South Atlantic Dolphin Blubber
In N. Atlantic: TRUE, In N. Pacific: TRUE
Typically Monitored: FALSE
Comment: unknown-4-16 (Pacific Library). Hypothesized PCDE or OH-PCB

Instrument: GCxGC-TOF, EI, 70 eV
1D RT, 2D RT (s): 1638.91, 1.366
Quantitative Ion m/z: 446

Elemental Formula: C₁₂H₂Cl₈O
Source: unknown
Identification: NA



m/z [Fragment]
372 [M-Cl ₂] ⁺
442 M ⁺

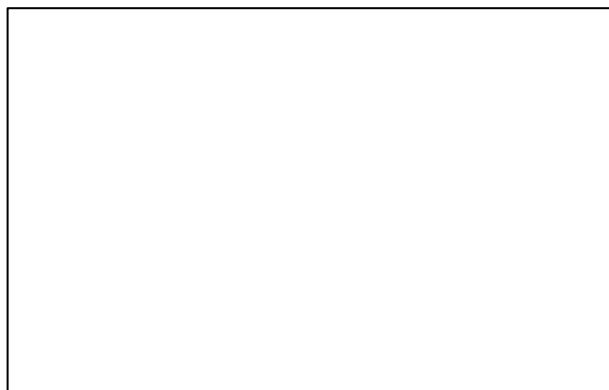
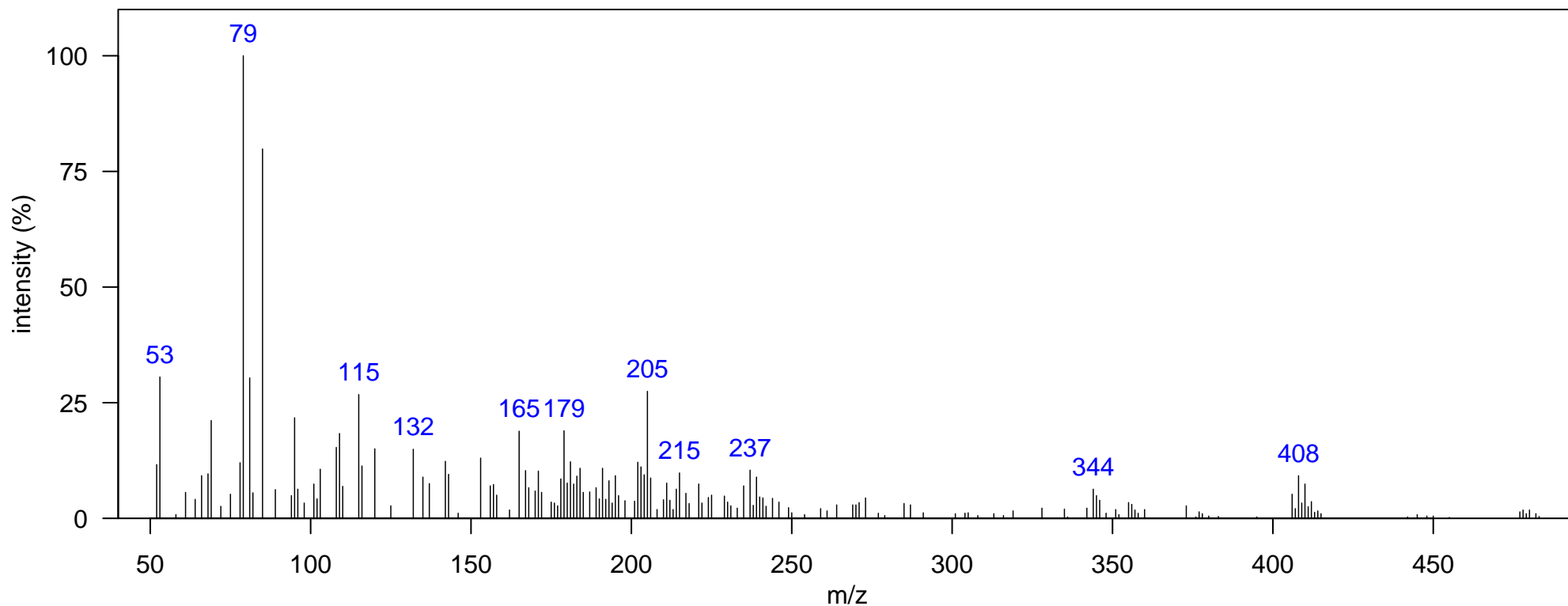
Name: unknown-2-12

Class: Unknown-2

Matrix: South Atlantic Dolphin Blubber
In N. Atlantic: FALSE, In N. Pacific: FALSE
Typically Monitored: FALSE
Comment:

Instrument: GCxGC-TOF, EI, 70 eV
1D RT, 2D RT (s): 1715.86, 1.36
Quantitative Ion m/z: 480

Elemental Formula: C₁₂HCl₉O
Source: unknown
Identification: NA



m/z [Fragment]
406 [M-Cl ₂] ⁺
476 M ⁺

Name: unknown-2-13

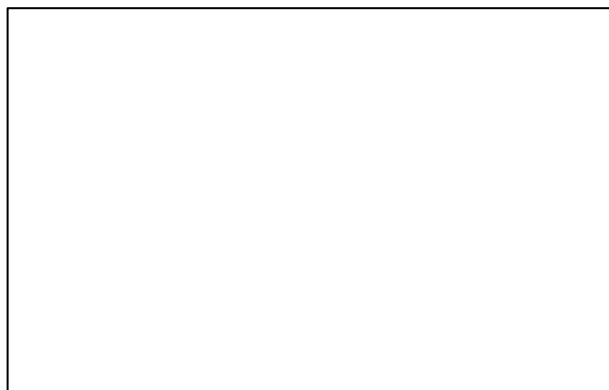
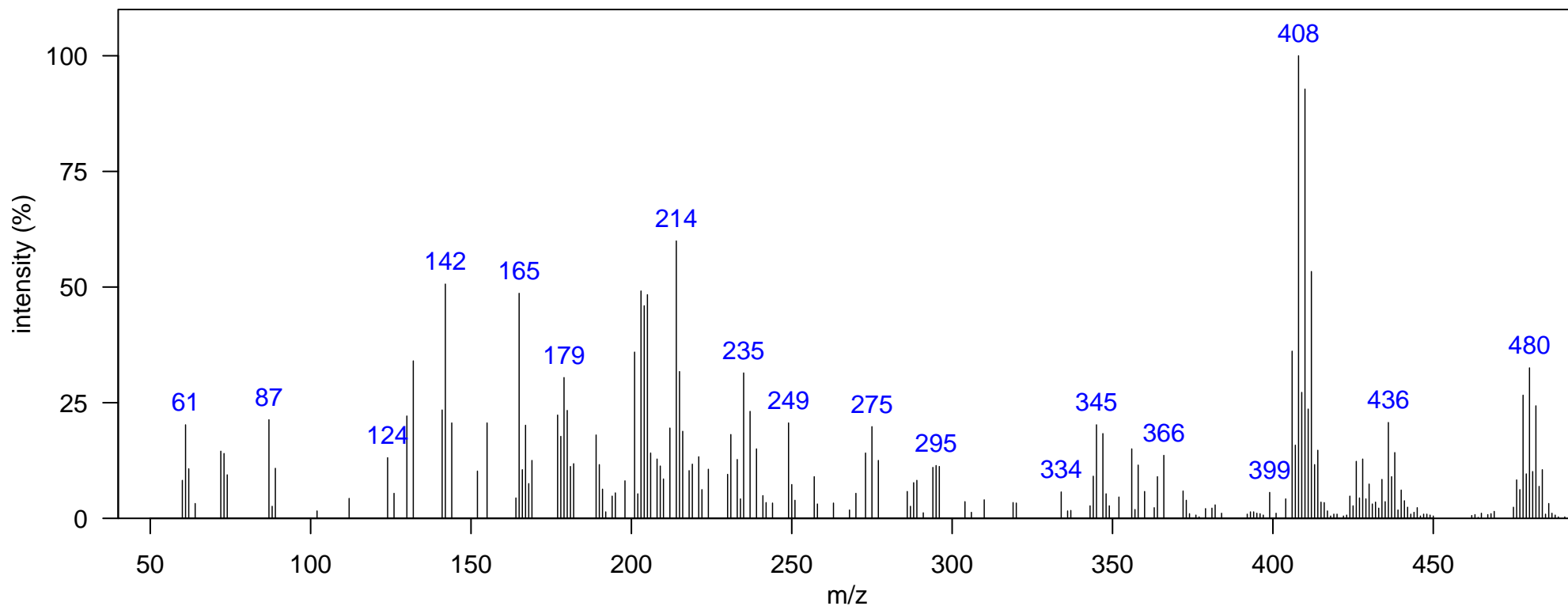
Class: Unknown-2

Matrix: South Atlantic Dolphin Blubber
In N. Atlantic: TRUE, In N. Pacific: TRUE
Typically Monitored: FALSE

Instrument: GCxGC-TOF, EI, 70 eV
1D RT, 2D RT (s): 1729.85, 1.393
Quantitative Ion m/z: 480

Elemental Formula: C₁₂HCl₉O
Source: unknown
Identification: NA

Comment: unknown-4-17 (Pacific Library). Hypothesized PCDE or OH-PCB



m/z [Fragment]

428 PCB Interference
406 [M-Cl₂]⁺
476 M⁺

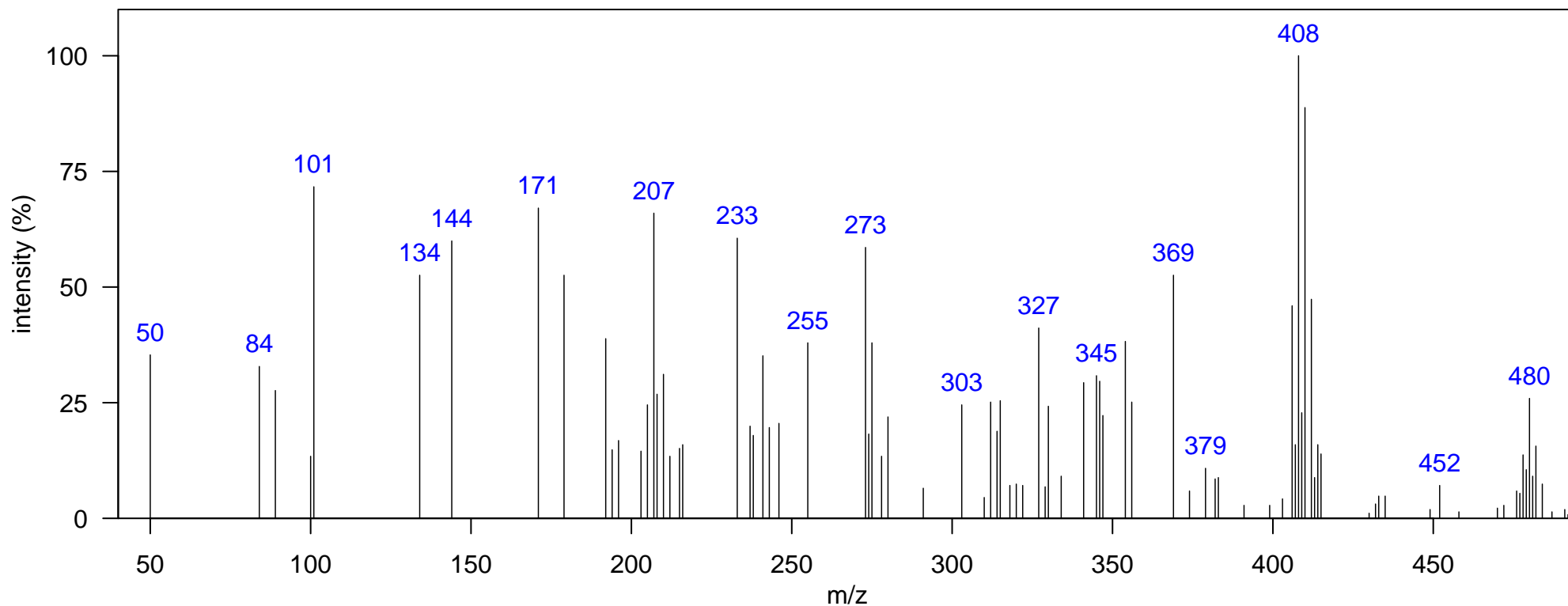
Name: unknown-2-14

Class: Unknown-2

Matrix: South Atlantic Dolphin Blubber
In N. Atlantic: FALSE, In N. Pacific: FALSE
Typically Monitored: FALSE
Comment:

Instrument: GCxGC-TOF, EI, 70 eV
1D RT, 2D RT (s): 1750.84, 1.333
Quantitative Ion m/z: 480

Elemental Formula: C₁₂HCl₉O
Source: unknown
Identification: NA



m/z [Fragment]
406 [M-Cl ₂] ⁺
476 M ⁺

Class: Unknown-3

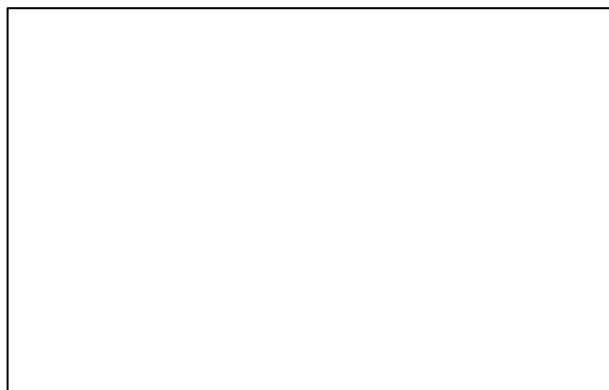
Elemental Formula:
Source: unknown
Identification: NA



Filename: unknown_5_2_MQ447, Page: 122

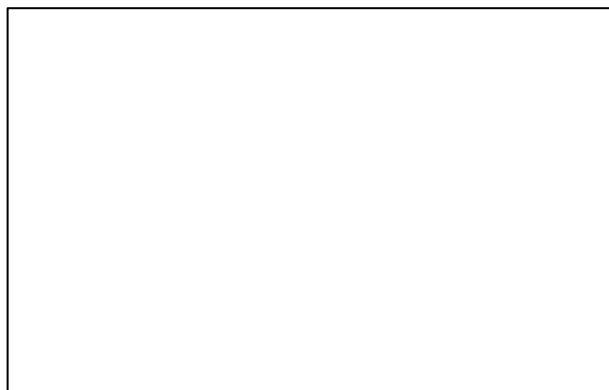
Class: Unknown-4

Elemental Formula:
Source: unknown
Identification: NA

[illegible]

Class: Unknown-4

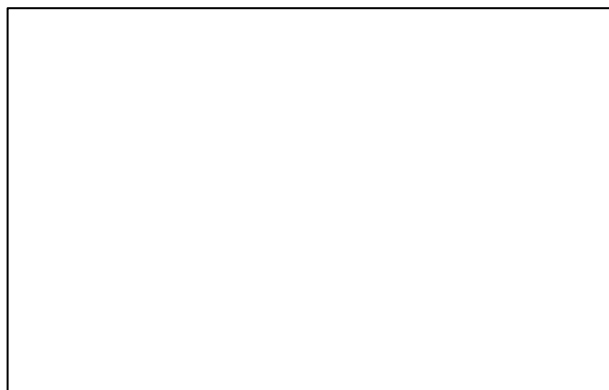
Elemental Formula:
Source: unknown
Identification: NA



m/z [Fragment]

Class: Unknown-5

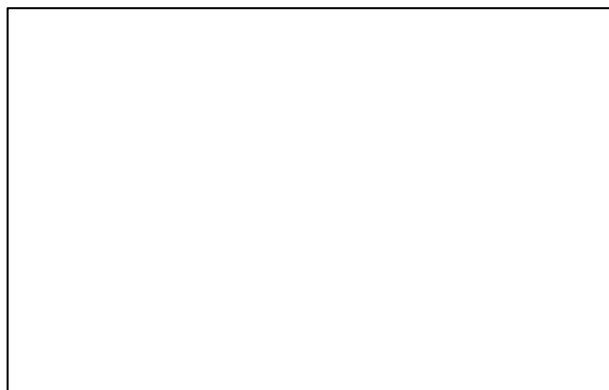
Elemental Formula:
Source: unknown
Identification: NA



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Class: Unknown-5

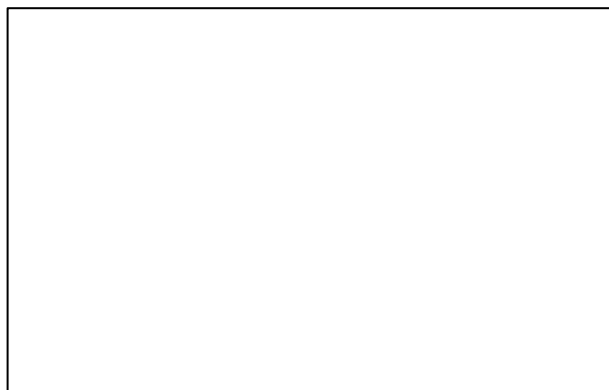
Elemental Formula:
Source: unknown
Identification: NA



m/z [Fragment]

Class: Unknown-5

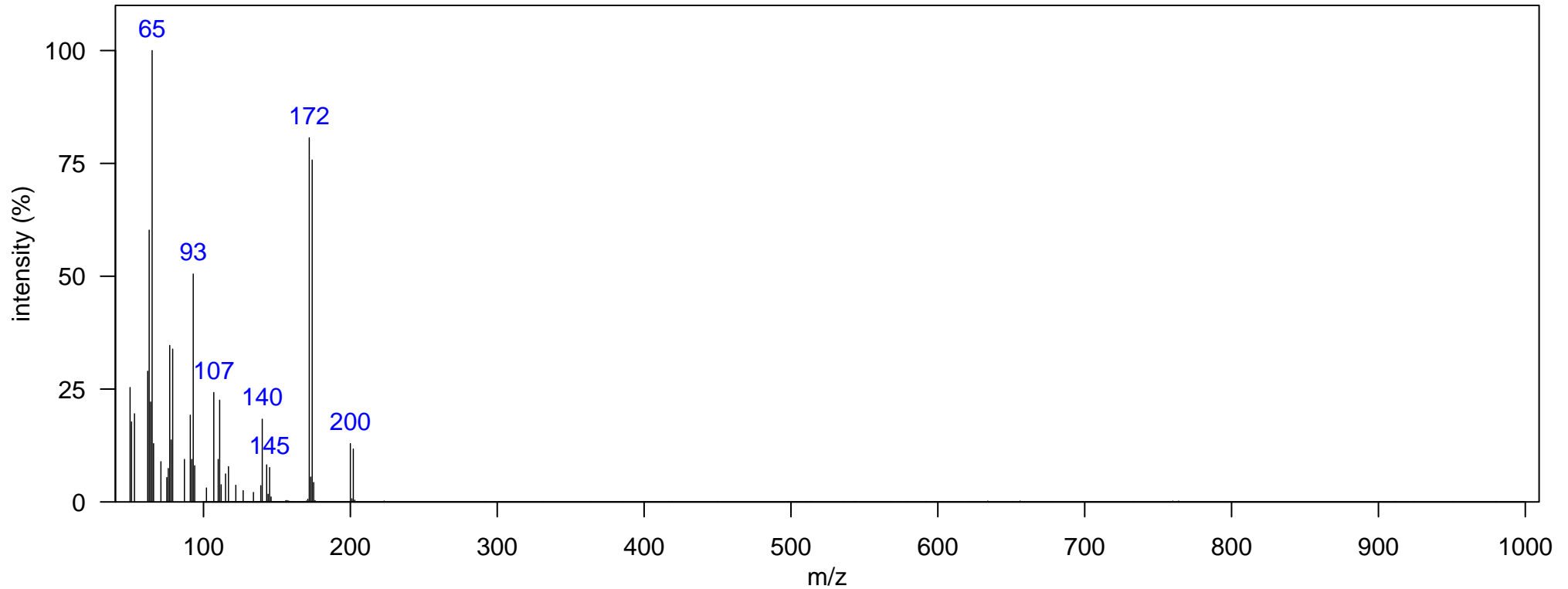
Elemental Formula:
Source: unknown
Identification: NA



Filename: unknown_25_SWAtlantic_MQ447, Page: 127

Class: Unknown

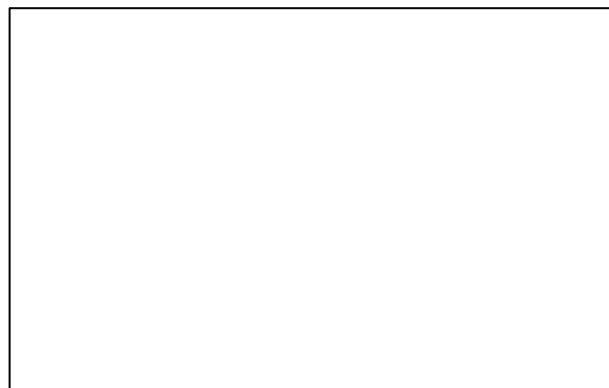
Elemental Formula:
Source: unknown
Identification: NA



m/z [Fragment]

Class: Unknown

Elemental Formula:
Source: unknown
Identification: NA



m/z [Fragment]

Class: Unknown

Elemental Formula:
Source: unknown
Identification: NA



Filename: unknown_6_NWAtlantic_MQ447, Page: 130

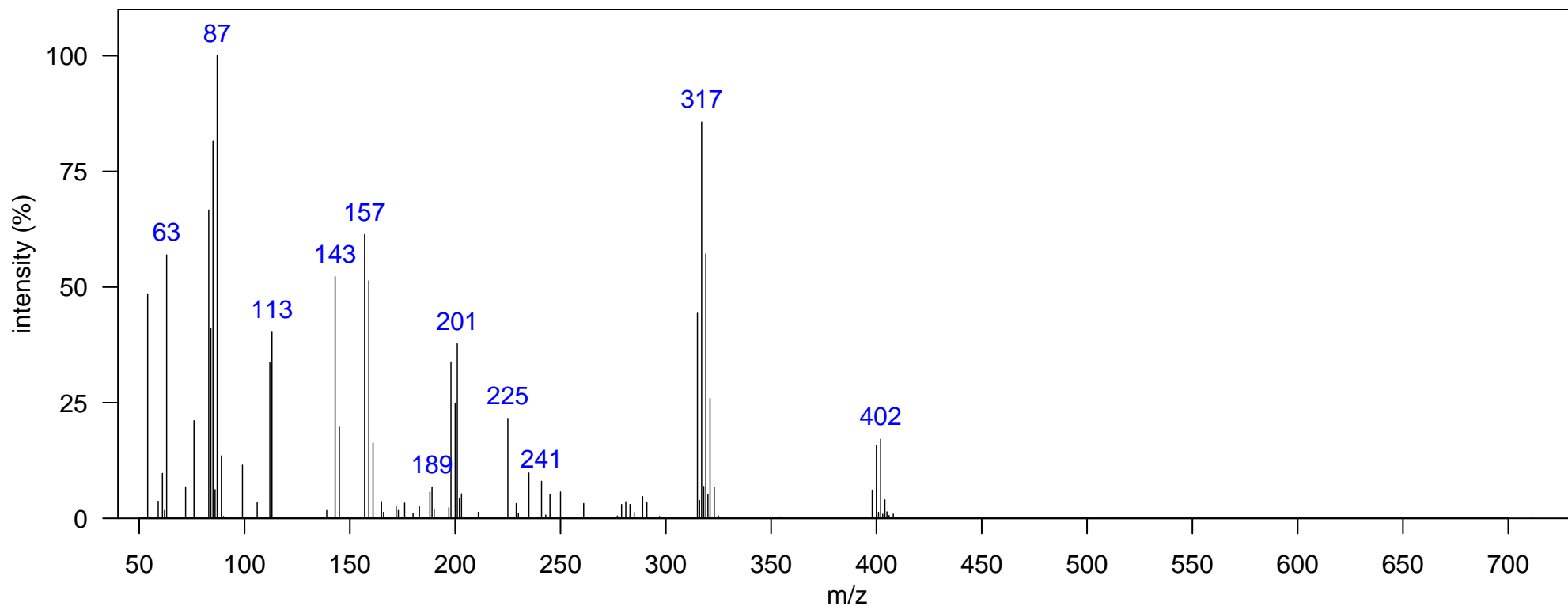
Name: unknown-9

Class: Unknown

Matrix: South Atlantic Dolphin Blubber
In N. Atlantic: TRUE, In N. Pacific: FALSE
Typically Monitored: FALSE
Comment: unknown-8 (N Atlantic Library)

Instrument: GCxGC-TOF, EI, 70 eV
1D RT, 2D RT (s): 1212.15, 0.904
Quantitative Ion m/z: 317

Elemental Formula:
Source: unknown
Identification: NA



m/z [Fragment]
315 [M-CHCl2]+
398 [M-Cl8]+

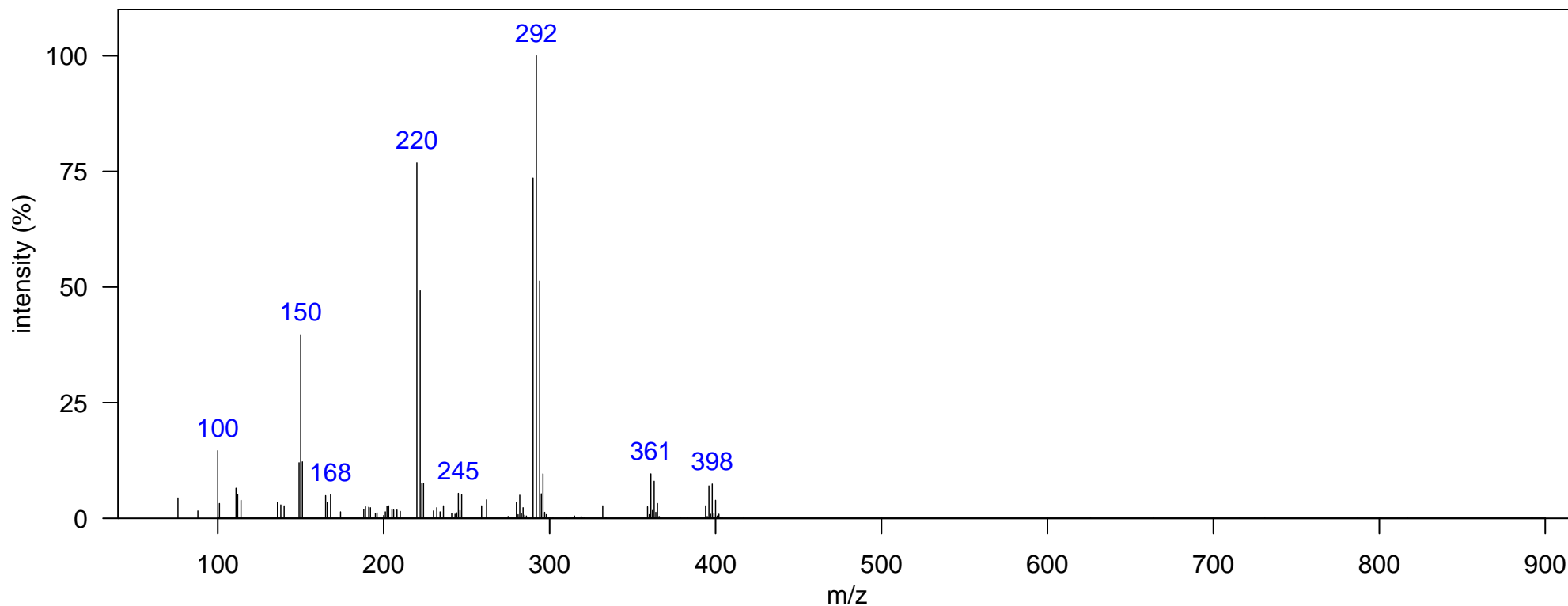
Name: unknown-10

Class: Unknown

Matrix: South Atlantic Dolphin Blubber
In N. Atlantic: FALSE, In N. Pacific: FALSE
Typically Monitored: FALSE
Comment:

Instrument: GCxGC-TOF, EI, 70 eV
1D RT, 2D RT (s): 1306.6, 0.957
Quantitative Ion m/z: 396

Elemental Formula:
Source: unknown
Identification: NA



m/z [Fragment]

100 PCB interference
150 PCB interference
220 PCB interference
292 PCB interference
359 [M-Cl]⁺
394 [M]⁺;

Class: Unknown

Elemental Formula:
Source: unknown
Identification: NA

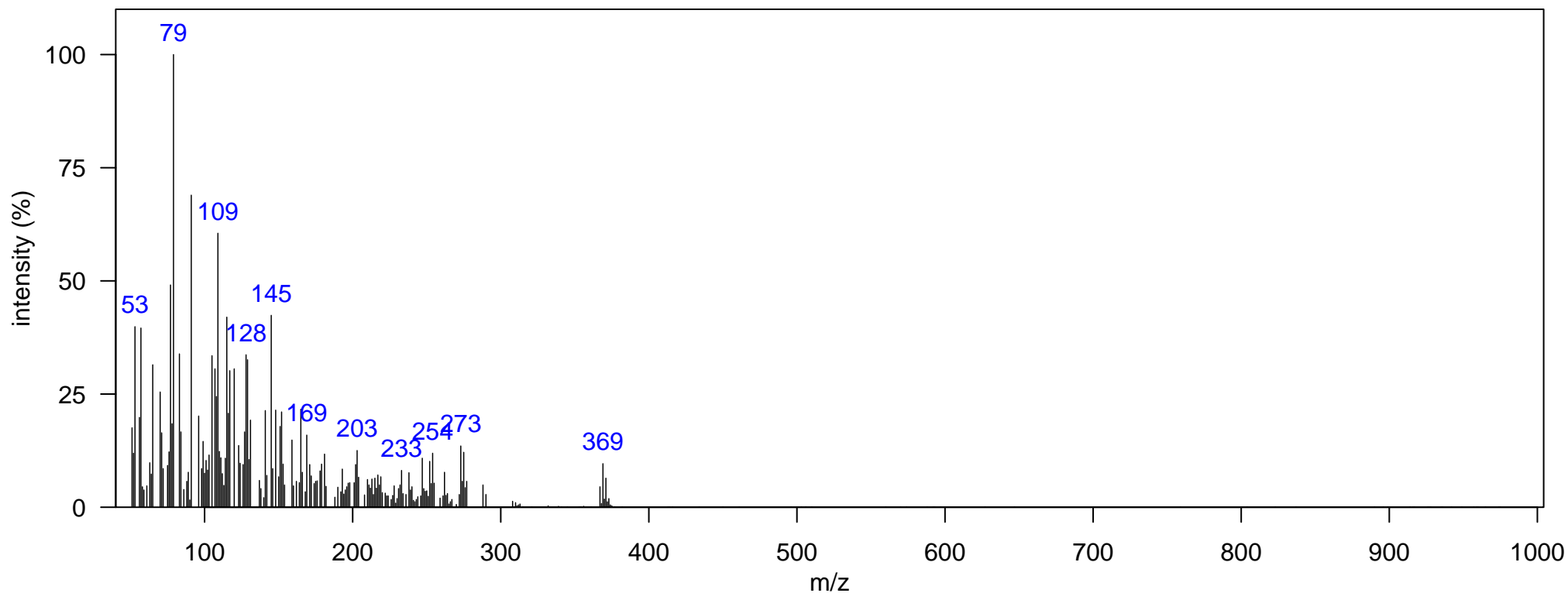


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Class: Unknown

Instrument: GCxGC-TOF, EI, 70 eV
1D RT, 2D RT (s): 1317.09, 0.95
Quantitative Ion m/z: 369

Elemental Formula:
Source: unknown
Identification: NA

[illegible]

m/z [Fragment]

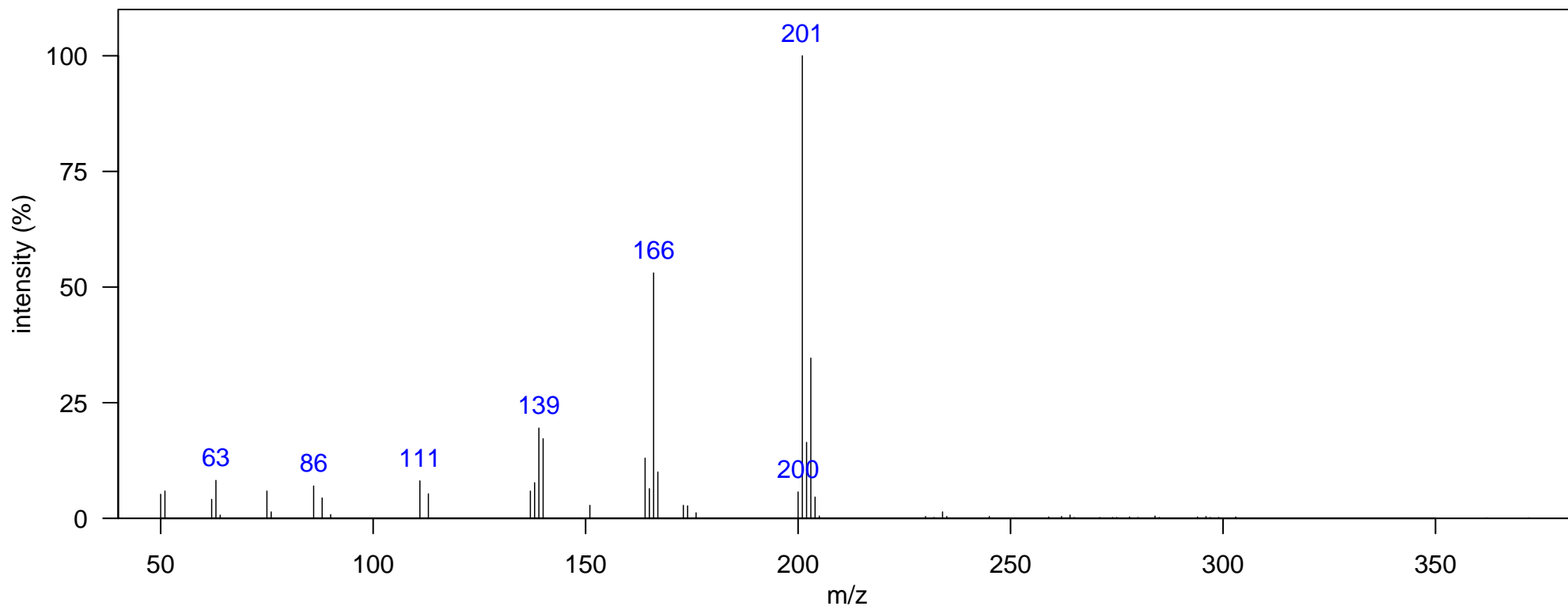
Name: unknown-13

Class: Unknown

Matrix: South Atlantic Dolphin Blubber
In N. Atlantic: FALSE, In N. Pacific: FALSE
Typically Monitored: FALSE
Comment:

Instrument: GCxGC-TOF, EI, 70 eV
1D RT, 2D RT (s): 1324.09, 1.142
Quantitative Ion m/z: 201

Elemental Formula:
Source: unknown
Identification: NA



m/z [Fragment]

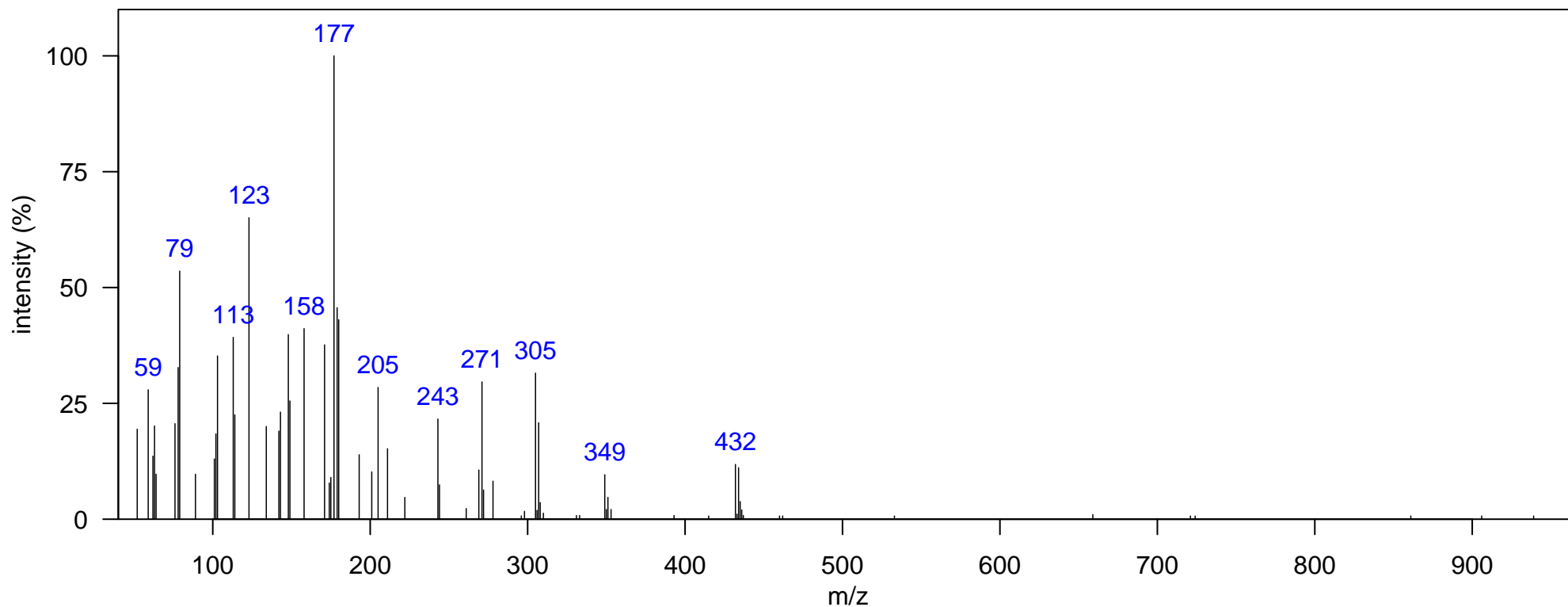
Name: unknown-14

Class: Unknown

Matrix: South Atlantic Dolphin Blubber
In N. Atlantic: TRUE, In N. Pacific: FALSE
Typically Monitored: FALSE
Comment: unknown-12 (N Atlantic Library)

Instrument: GCxGC-TOF, EI, 70 eV
1D RT, 2D RT (s): 1348.57, 1.043
Quantitative Ion m/z: 432

Elemental Formula:
Source: unknown
Identification: NA



m/z [Fragment]

177 [M-Cl₂]⁺
305 [M-Cl₂]⁺
349 [M-Cl₂]⁺
432 [M-Cl₂]⁺

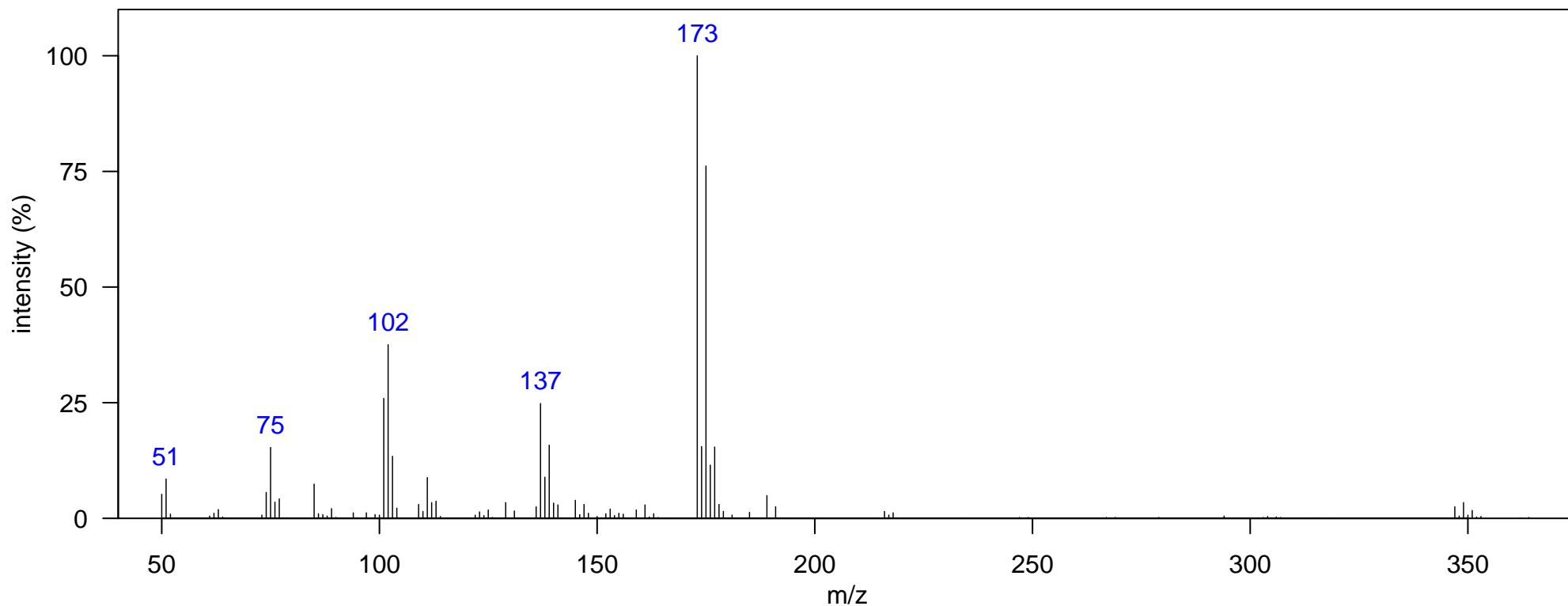
Name: unknown-15

Class: Unknown

Matrix: South Atlantic Dolphin Blubber
In N. Atlantic: TRUE, In N. Pacific: FALSE
Typically Monitored: FALSE
Comment: unknown-3-2 (N Atlantic Library)

Instrument: GCxGC-TOF, EI, 70 eV
1D RT, 2D RT (s): 1376.56, 0.931
Quantitative Ion m/z: 173

Elemental Formula:
Source: unknown
Identification: NA

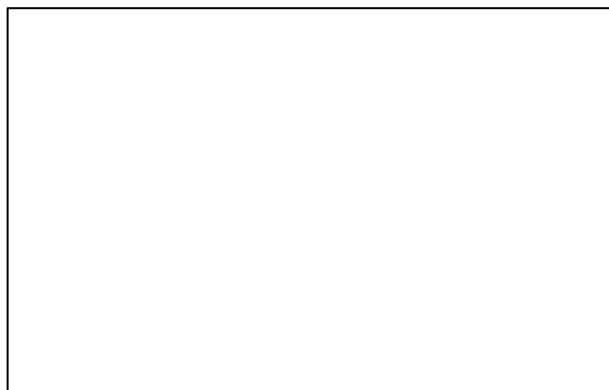


m/z [Fragment]
137 [M-Cl]+
173 [M-Cl2]+
347 [M-Cl4]+

Class: Unknown

Instrument: GCxGC-TOF, EI, 70 eV
1D RT, 2D RT (s): 1380.05, 0.997
Quantitative Ion m/z: 413

Elemental Formula:
Source: unknown
Identification: NA



m/z [Fragment]

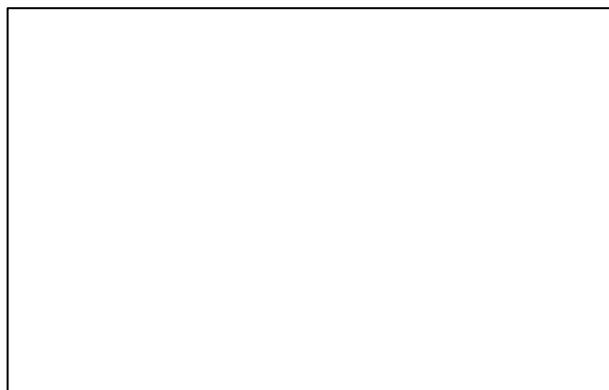
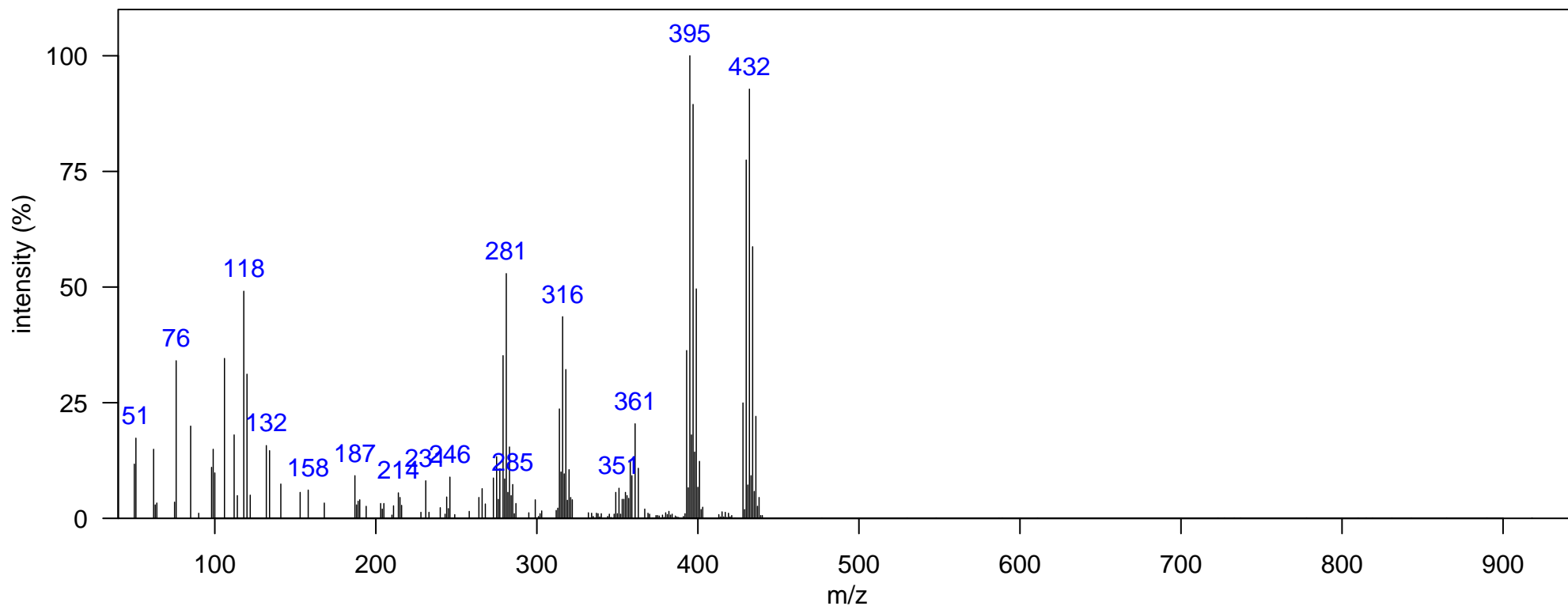
Name: unknown-17

Class: Unknown

Matrix: South Atlantic Dolphin Blubber
In N. Atlantic: FALSE, In N. Pacific: FALSE
Typically Monitored: FALSE
Comment:

Instrument: GCxGC-TOF, EI, 70 eV
1D RT, 2D RT (s): 1390.55, 0.99
Quantitative Ion m/z: 316

Elemental Formula:
Source: unknown
Identification: NA



m/z [Fragment]
395 PCB interference
432 PCB interference

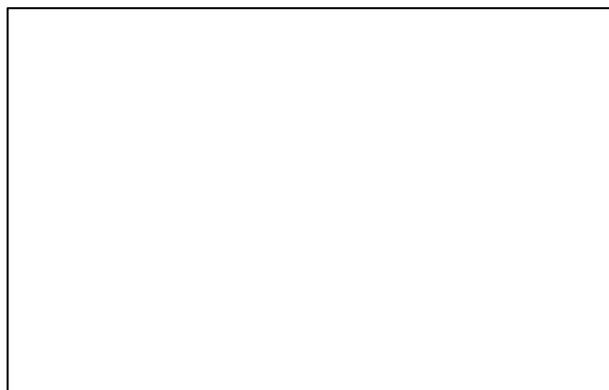
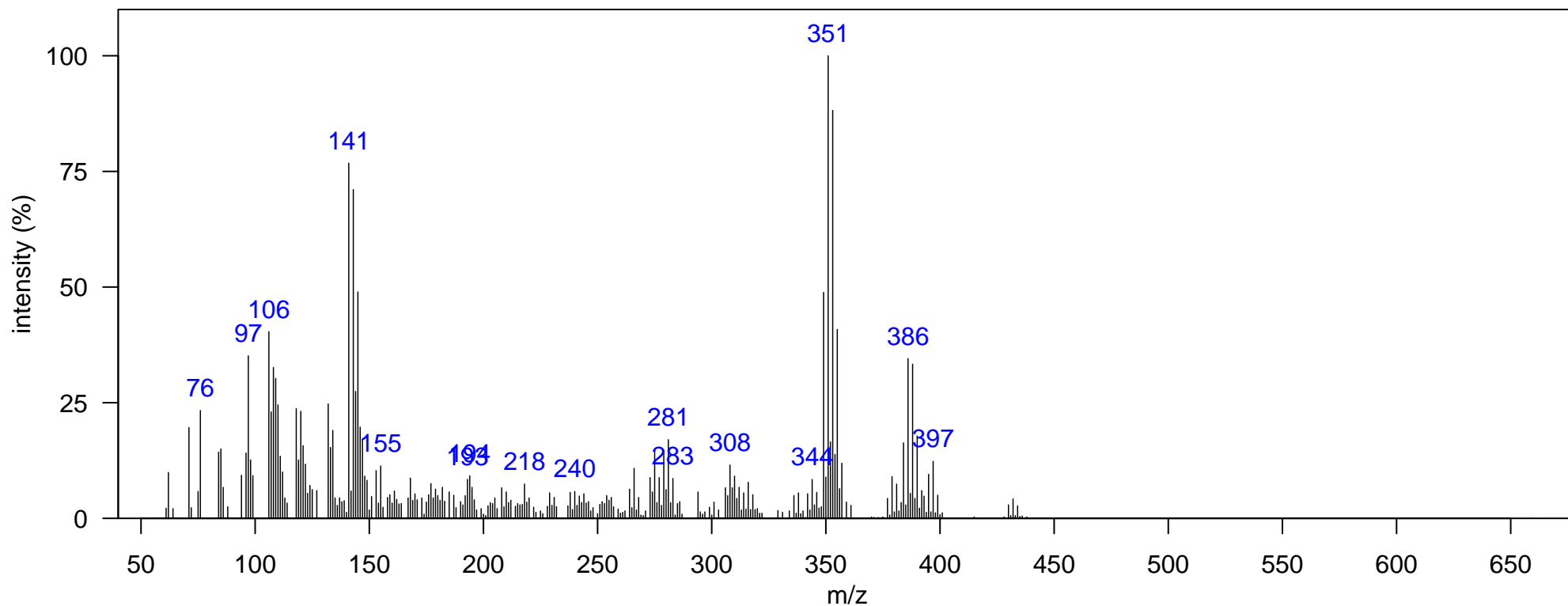
Name: unknown-18

Class: Unknown

Matrix: South Atlantic Dolphin Blubber
In N. Atlantic: FALSE, In N. Pacific: FALSE
Typically Monitored: FALSE
Comment:

Instrument: GCxGC-TOF, EI, 70 eV
1D RT, 2D RT (s): 1394.05, 1.023
Quantitative Ion m/z: 388

Elemental Formula:
Source: unknown
Identification: NA



m/z [Fragment]
349 [M-Cl]+
384 [M]+;

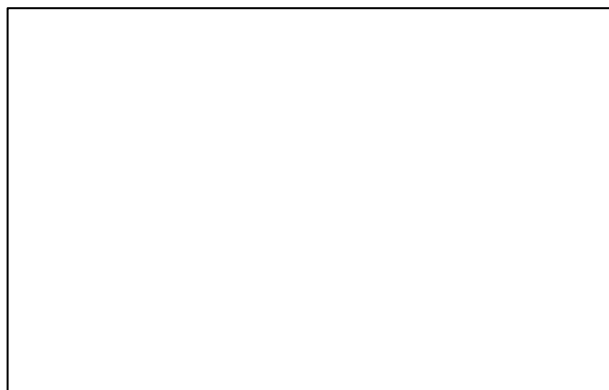
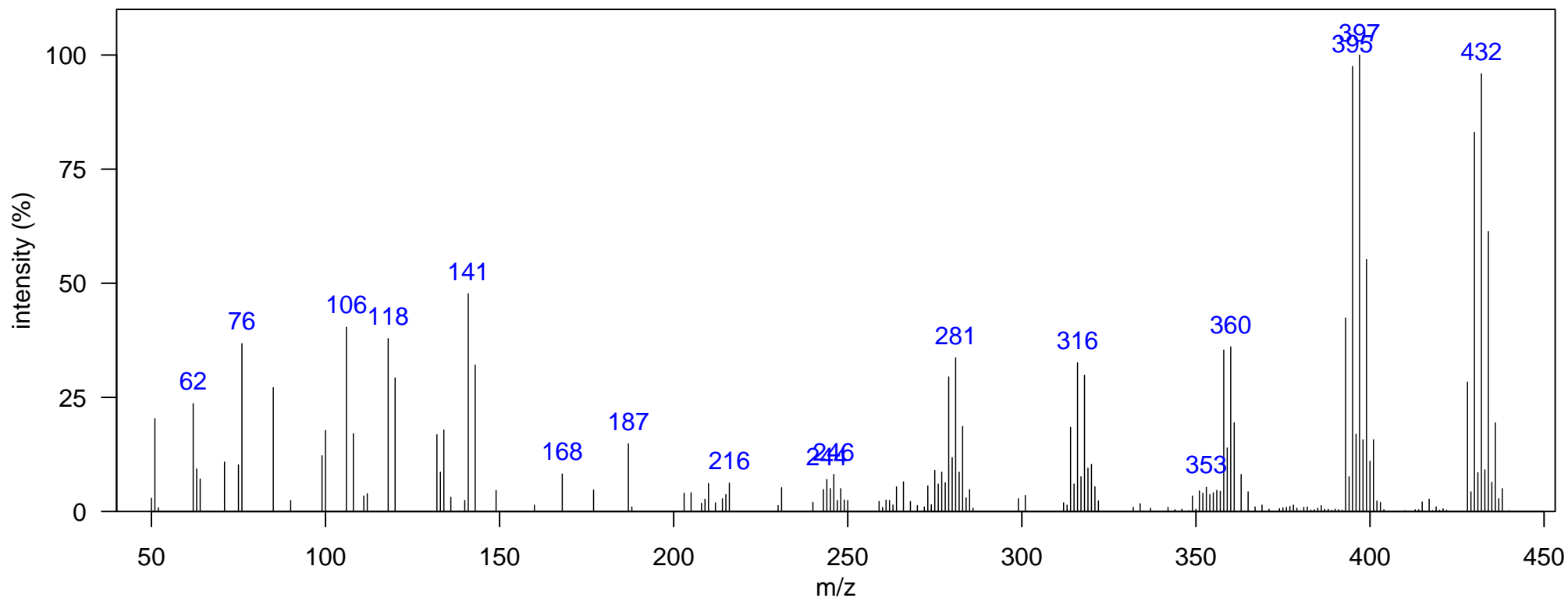
Name: unknown-19

Class: Unknown

Matrix: South Atlantic Dolphin Blubber
In N. Atlantic: FALSE, In N. Pacific: FALSE
Typically Monitored: FALSE
Comment:

Instrument: GCxGC-TOF, EI, 70 eV
1D RT, 2D RT (s): 1397.54, 1.003
Quantitative Ion m/z: 316

Elemental Formula:
Source: unknown
Identification: NA

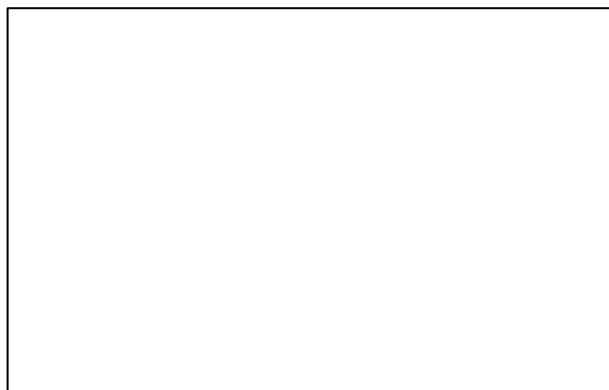


m/z [Fragment]
360 PCB interference
395 PCB interference
432 PCB interference

Class: Unknown

Instrument: GCxGC-TOF, EI, 70 eV
1D RT, 2D RT (s): 1436.02, 1.036
Quantitative Ion m/z: 403

Elemental Formula:
Source: unknown
Identification: NA

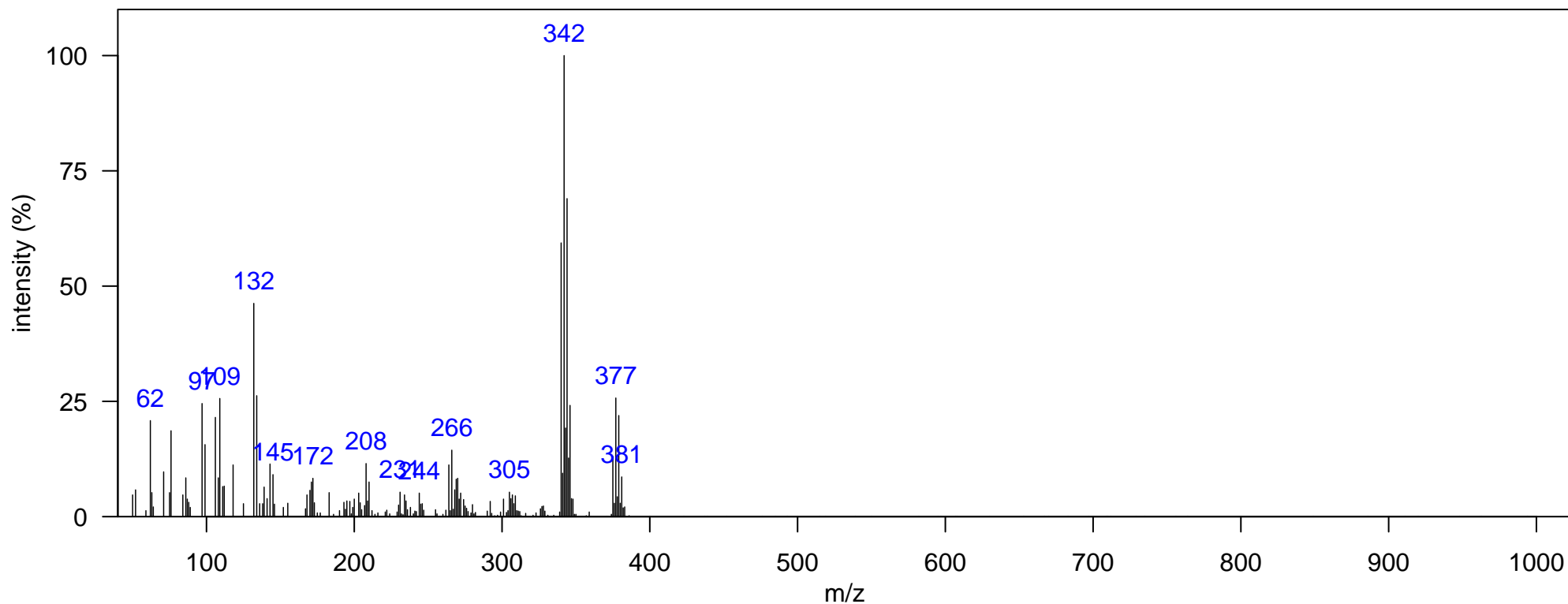


m/z [Fragment]

Class: Unknown

Instrument: GCxGC-TOF, EI, 70 eV
1D RT, 2D RT (s): 1467.5, 1.063
Quantitative Ion m/z: 342

Elemental Formula:
Source: unknown
Identification: NA

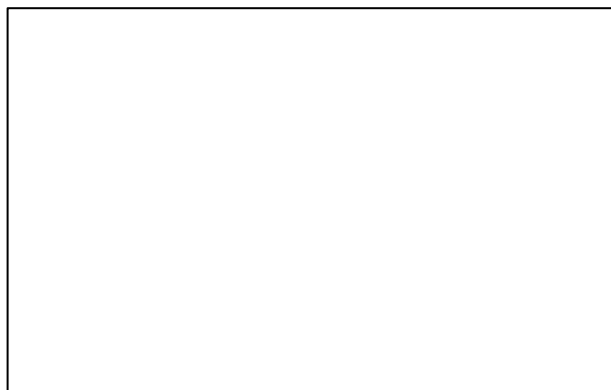
[illegible]

m/z [Fragment]

Class: Unknown

Instrument: GCxGC-TOF, EI, 70 eV
1D RT, 2D RT (s): 1481.5, 1.082
Quantitative Ion m/z: 413

Elemental Formula:
Source: unknown
Identification: NA

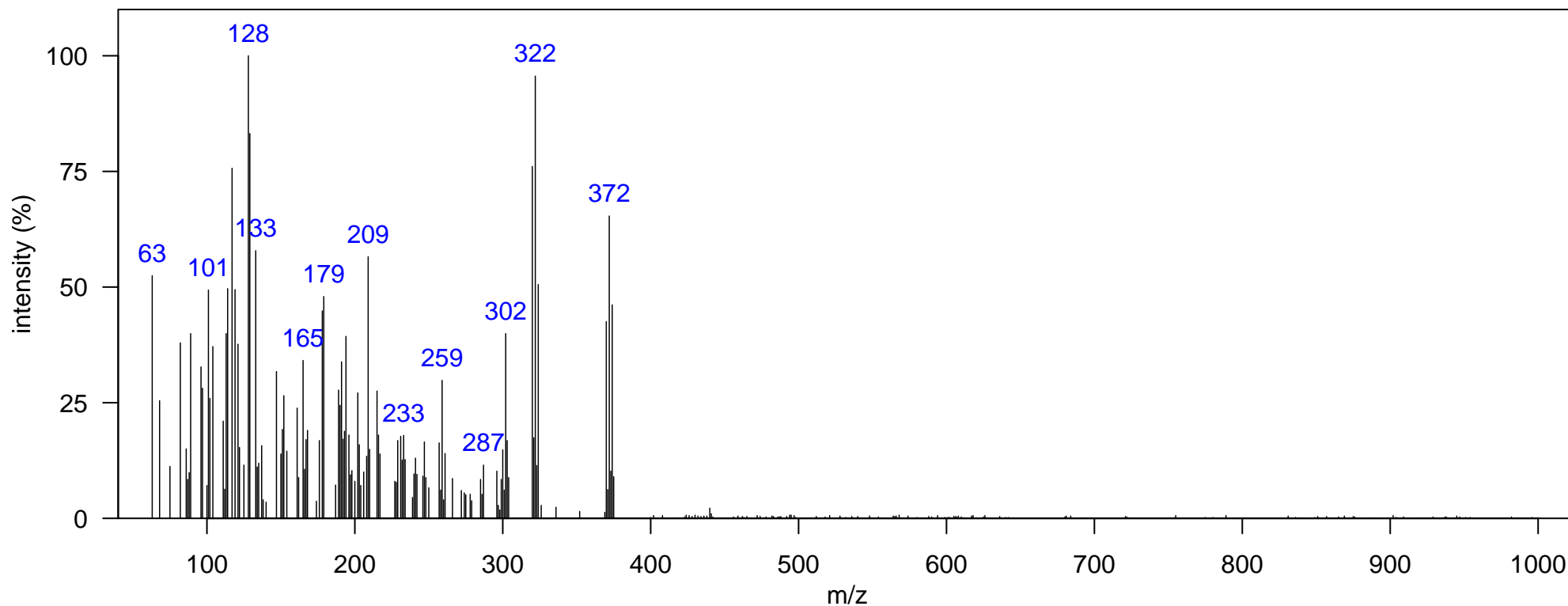


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Class: Unknown

Instrument: GCxGC-TOF, EI, 70 eV
1D RT, 2D RT (s): 1481.5, 1.023
Quantitative Ion m/z: 372

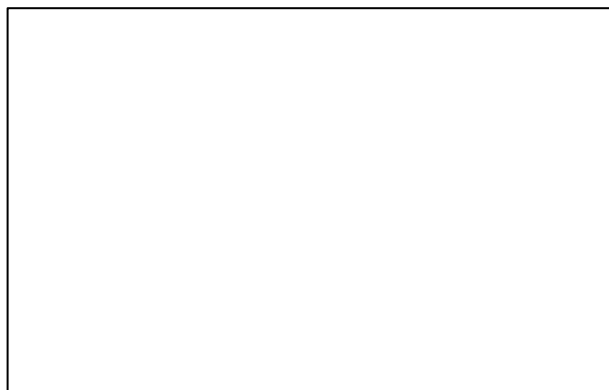
Elemental Formula:
Source: unknown
Identification: NA

[illegible]

m/z [Fragment]

Class: Unknown

Elemental Formula:
Source: unknown
Identification: NA

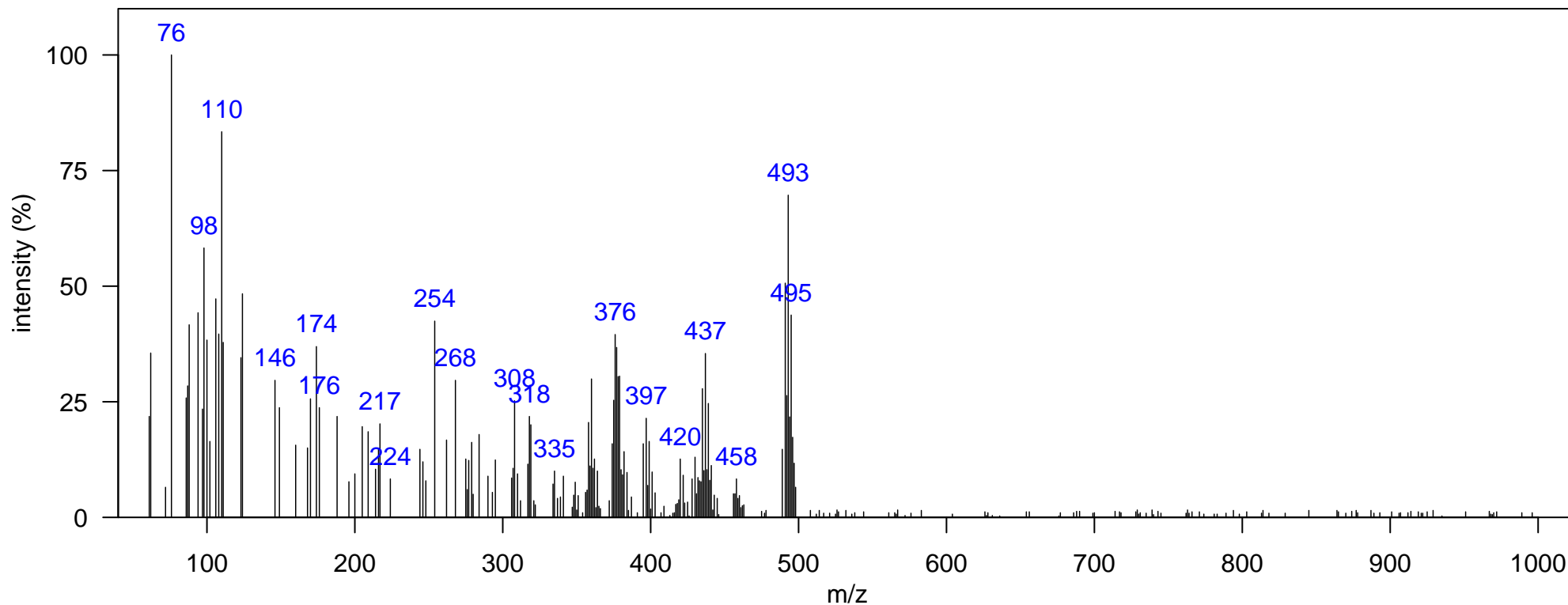


Filename: unknown_41_SWAtlantic_MQ425, Page: 146

Class: Unknown

Instrument: GCxGC-TOF, EI, 70 eV
1D RT, 2D RT (s): 1533.97, 1.155
Quantitative Ion m/z: 493

Elemental Formula:
Source: unknown
Identification: NA

[illegible]

m/z [Fragment]

Class: Unknown

Elemental Formula:

Source: unknown

Identification: NA

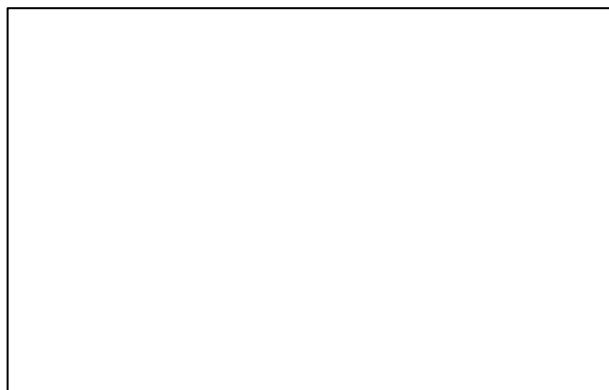
Matrix: South Atlantic Dolphin Blubber	Instrument: GCxGC-TOF, EI, 70 eV	Elemental Formula:
In N. Atlantic: FALSE, In N. Pacific: FALSE	1D RT, 2D RT (s): 1568.95, 1.34	Source: unknown
Typically Monitored: FALSE	Quantitative Ion m/z: 336	Identification: NA
Comment: similar to unknown-29 but different retention time (Pacific Library)		

[illegible]

Class: Unknown

Instrument: GCxGC-TOF, EI, 70 eV
1D RT, 2D RT (s): 1638.91, 1.3
Quantitative Ion m/z: 238

Elemental Formula:
Source: unknown
Identification: NA

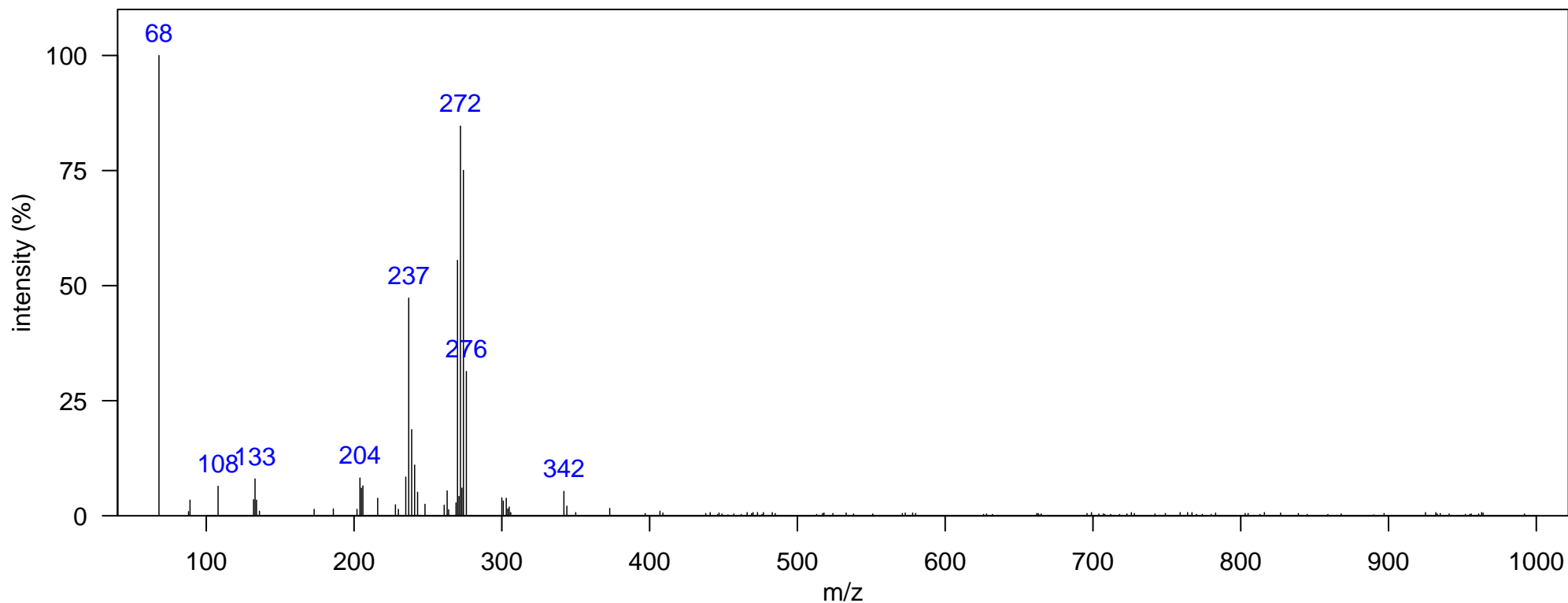


m/z [Fragment]

Class: Unknown

Instrument: GCxGC-TOF, EI, 70 eV
1D RT, 2D RT (s): 1666.89, 1.419
Quantitative Ion m/z: 272

Elemental Formula:
Source: unknown
Identification: NA

[illegible]

m/z [Fragment]

Name: unknown-29

Class: Unknown

Matrix: South Atlantic Dolphin Blubber

Instrument: GCxGC-TOF, EI, 70 eV

Elemental Formula: C₁₁H₅Cl₇N₄

In N. Atlantic: FALSE, In N. Pacific: TRUE

1D RT, 2D RT (s): 1708.87, 1.465

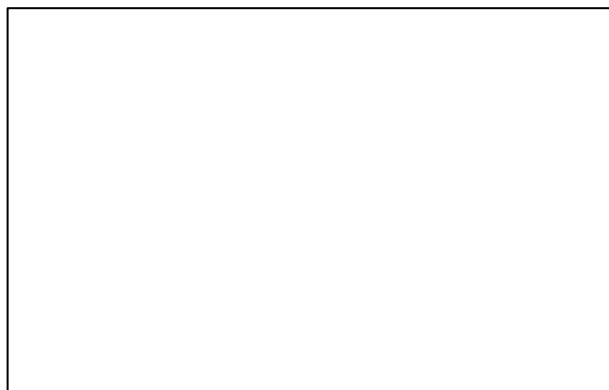
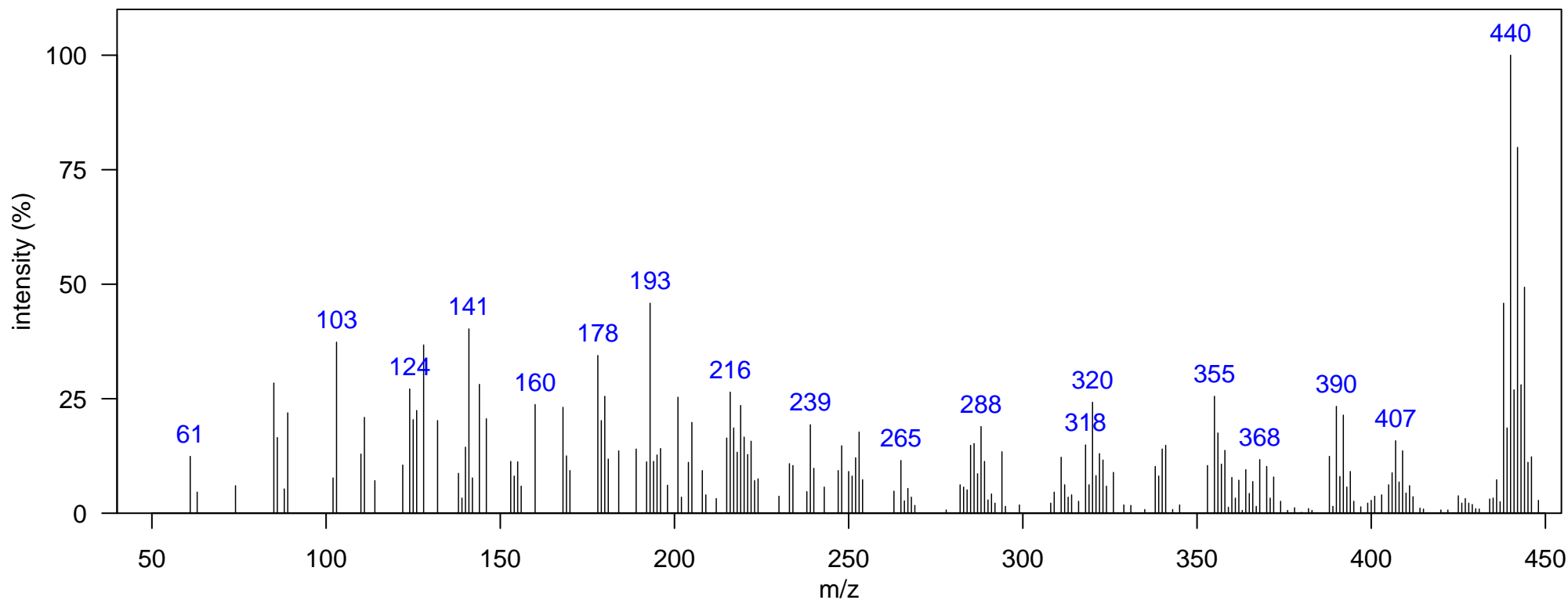
Source: unknown

Typically Monitored: FALSE

Quantitative Ion m/z: 440

Identification: NA

Comment: unknown-47 (Pacific Library). Might be 2-[p-chloroaniline]-4,6-bis(trichloromethyl)-triazine based on some spectral similarity



m/z [Fragment]
438 M+

Class: Unknown

Elemental Formula:
Source: unknown
Identification: NA

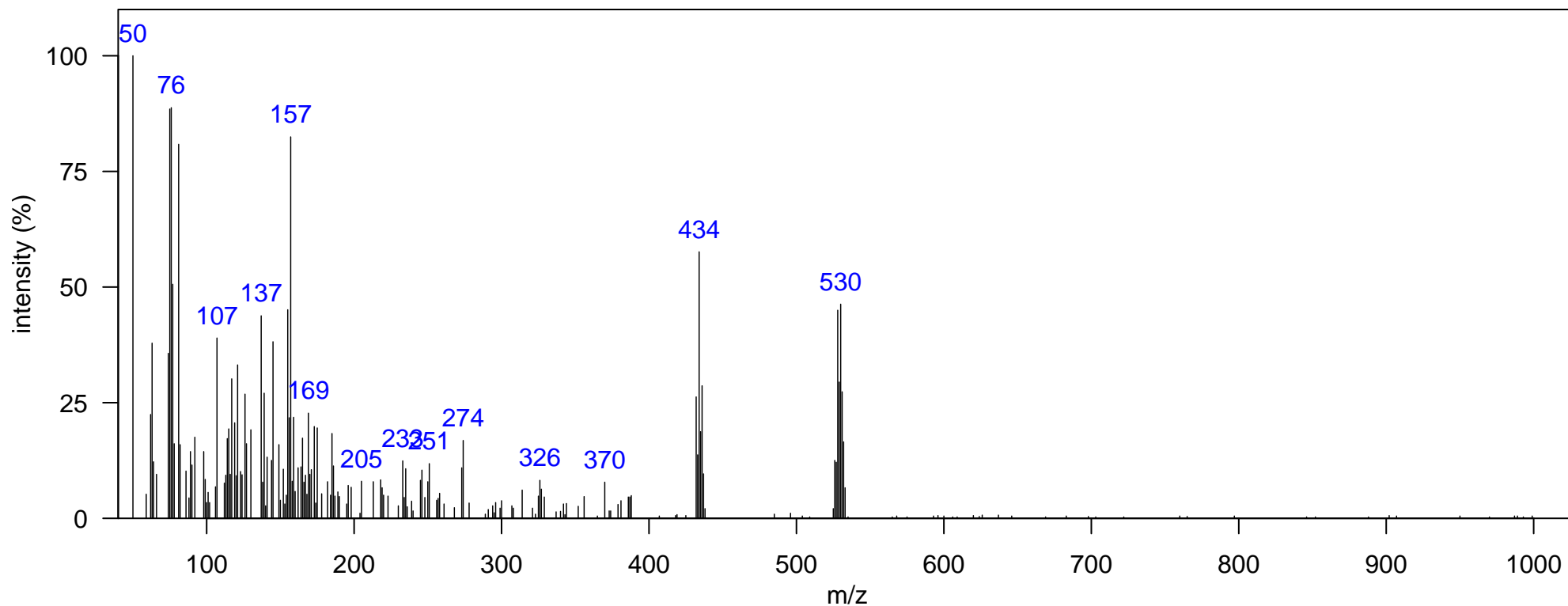


Filename: unknown_11_SWAtlantic_MQ447, Page: 152

Class: Unknown

Instrument: GCxGC-TOF, EI, 70 eV
1D RT, 2D RT (s): 1876.77, 1.881
Quantitative Ion m/z: 530

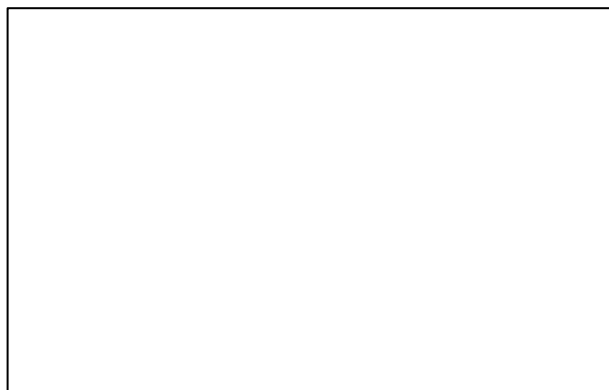
Elemental Formula:
Source: unknown
Identification: NA

[illegible]

m/z [Fragment]

Class: Unknown

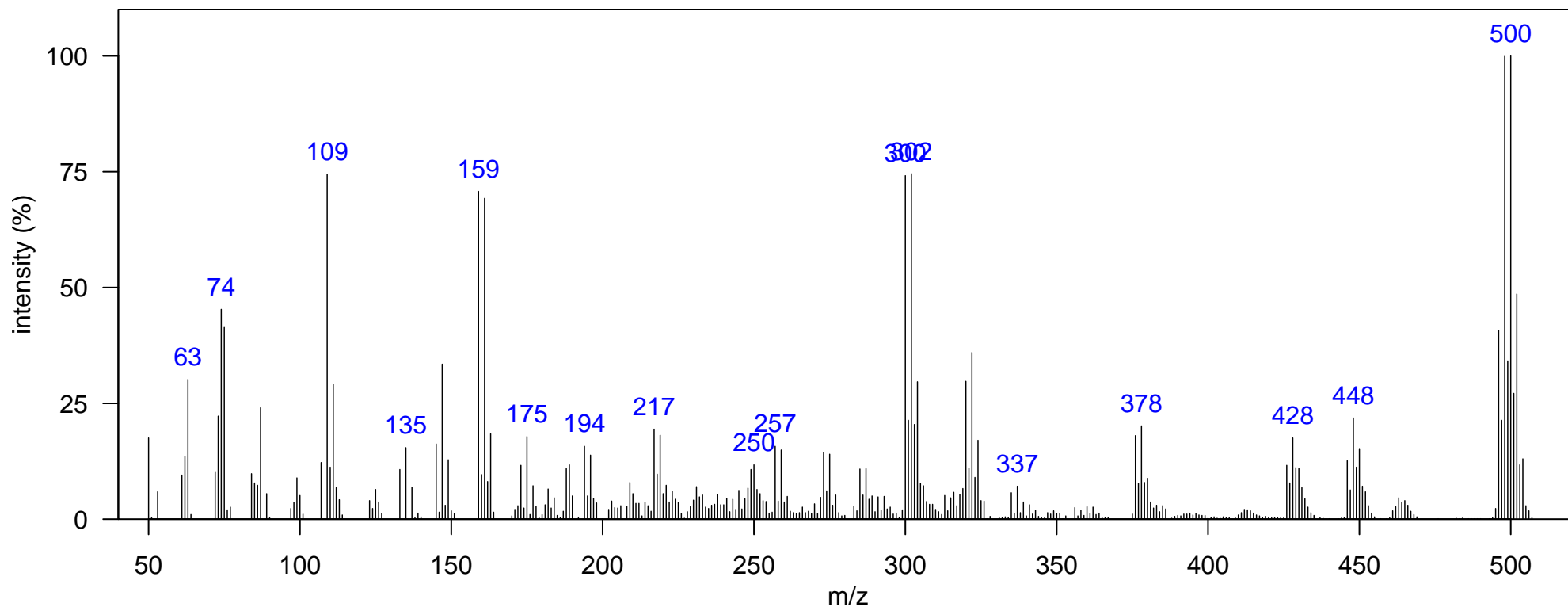
Elemental Formula:
Source: unknown
Identification: NA

[illegible]

Class: Unknown

Instrument: GCxGC-TOF, EI, 70 eV
1D RT, 2D RT (s): 1880.27, 1.802
Quantitative Ion m/z: 500

Elemental Formula:
Source: unknown
Identification: NA

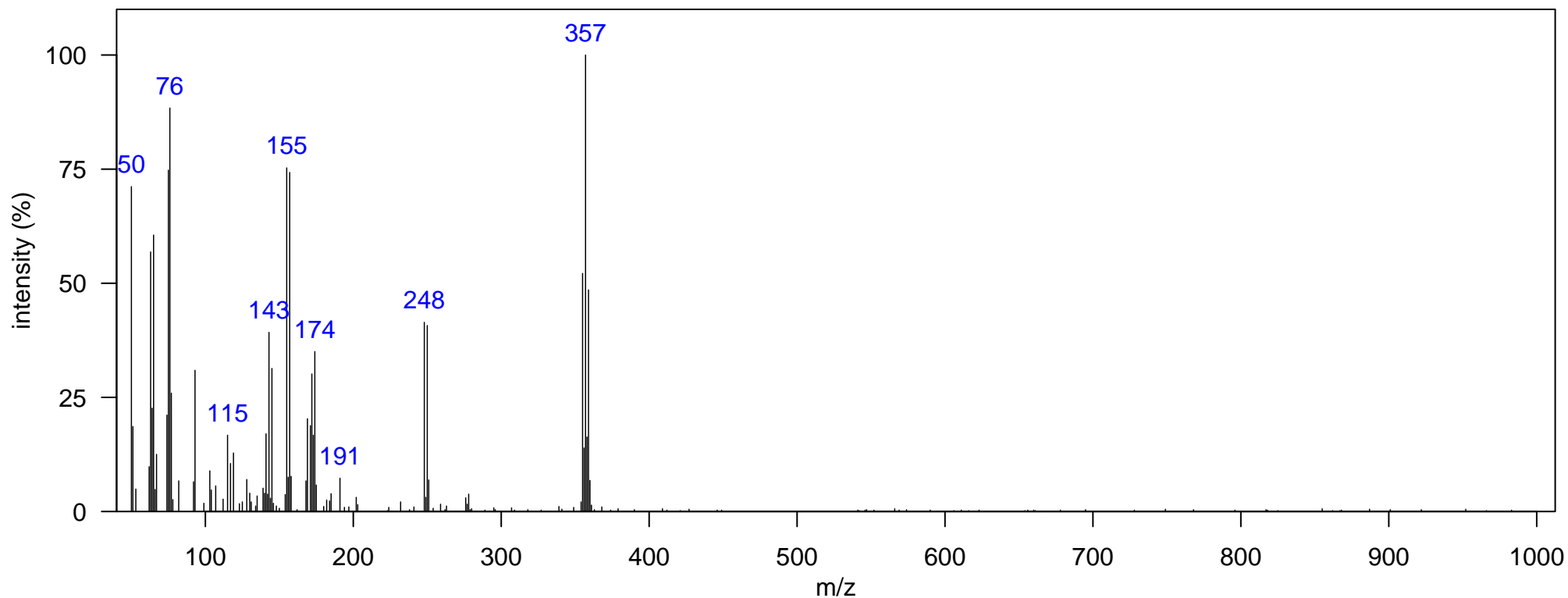
[illegible]

m/z [Fragment]

Class: Unknown

Instrument: GCxGC-TOF, EI, 70 eV
1D RT, 2D RT (s): 1901.26, 1.94
Quantitative Ion m/z: 357

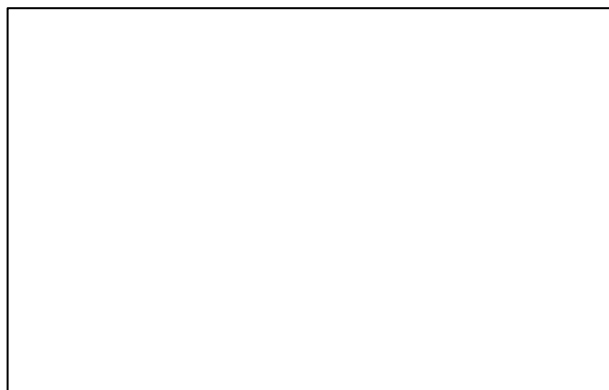
Elemental Formula:
Source: unknown
Identification: NA

[illegible]

m/z [Fragment]

Class: Unknown

Elemental Formula:
Source: unknown
Identification: NA



m/z [Fragment]

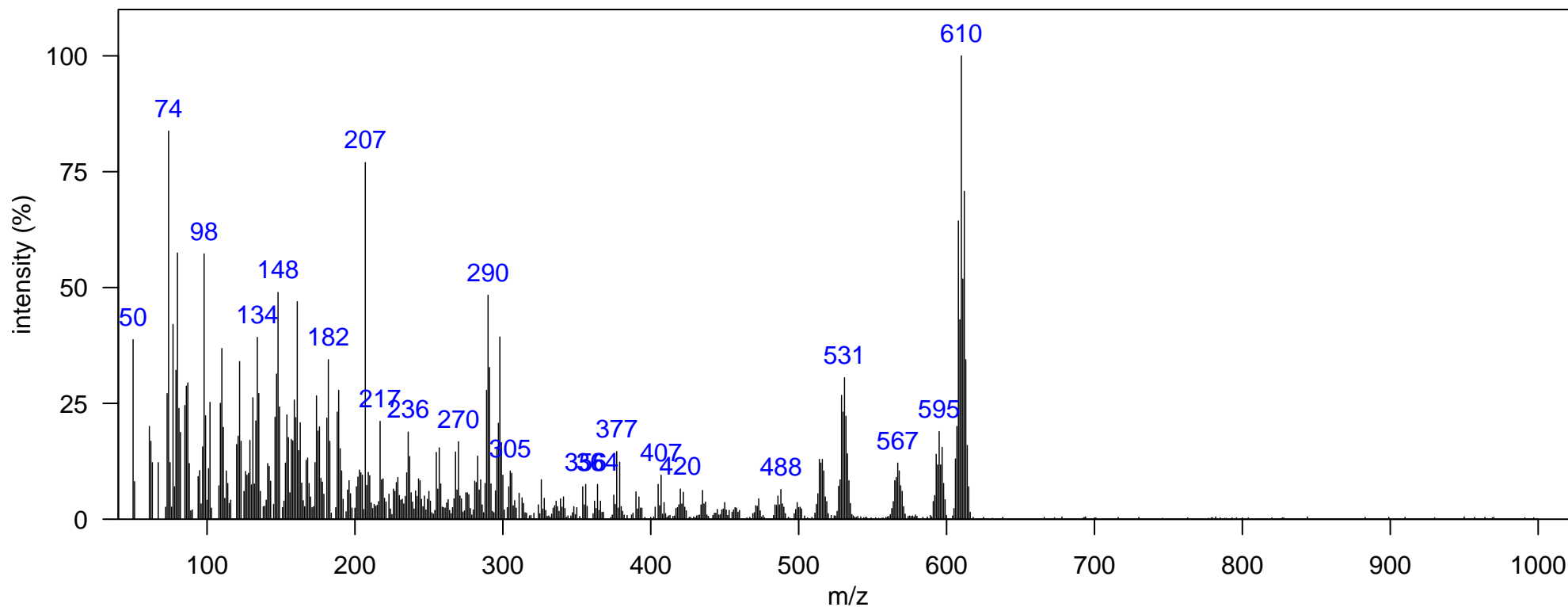
Name: unknown-36

Class: Unknown

Matrix: South Atlantic Dolphin Blubber
In N. Atlantic: TRUE, In N. Pacific: FALSE
Typically Monitored: FALSE
Comment: unknown-4-4 (N Atlantic Library)

Instrument: GCxGC-TOF, EI, 70 eV
1D RT, 2D RT (s): 1974.71, 2.963
Quantitative Ion m/z: 610

Elemental Formula:
Source: unknown
Identification: NA



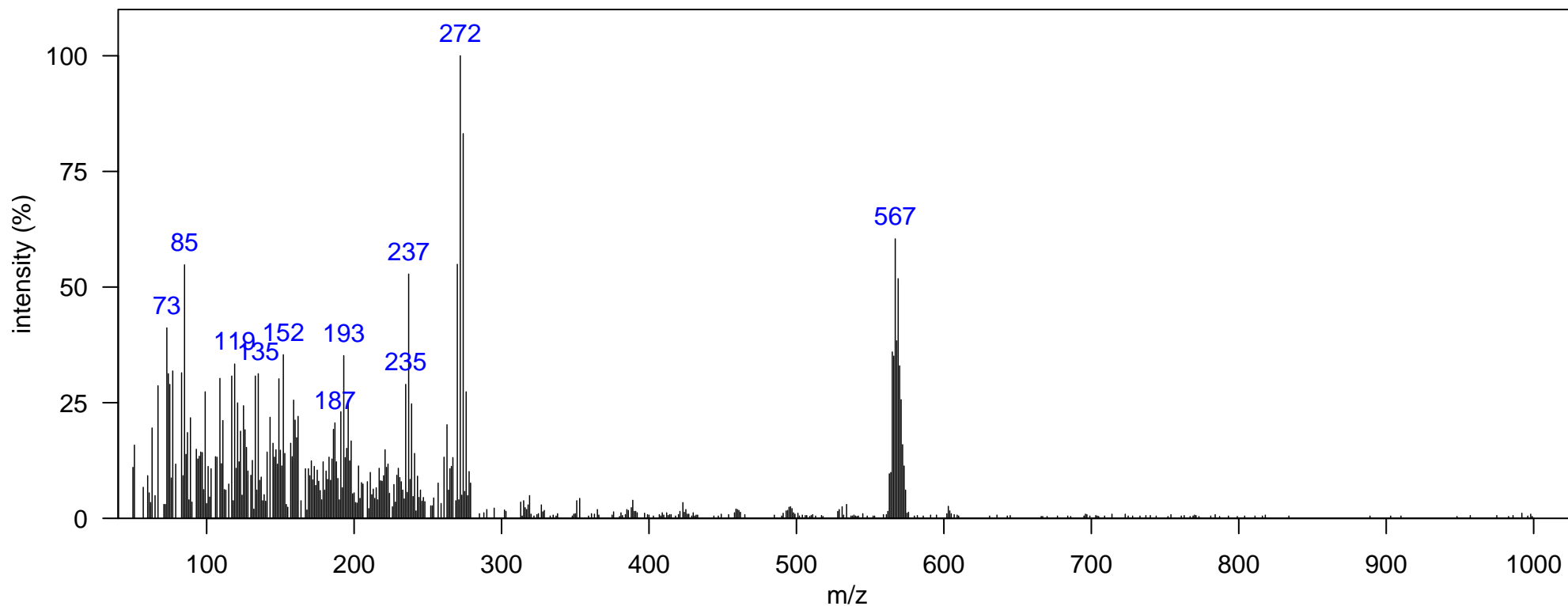
m/z [Fragment]

512 [M-Br-CH₃]⁺
527 [M-Br]⁺
563 [M-C₃H₇]⁺
591 [M-CH₃]⁺
606 [M-Br₄]⁺

Class: Unknown

Instrument: GCxGC-TOF, EI, 70 eV
1D RT, 2D RT (s): 1988.71, 2.066
Quantitative Ion m/z: 567

Elemental Formula:
Source: unknown
Identification: NA

[illegible]

m/z [Fragment]