

Gas Chromatography Report

Organic Geochemistry Laboratory, Geological Survey of Canada - Calgary

Database Reference: Gas Chromatography Data for Crude Oils, Condensates and Rock Extracts,

Geoscience Data Repository, Lands and Minerals Sector, Natural Resources Canada

For data reference, general terms and conditions go to <http://open.canada.ca/en/open-government-licence-canada/>

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Sample ID: L01966

GSC Catalog No: C-558459

Acquisition Date: 1995-06-22

Location: 1-9-12-13W4

UWI: 100010901213W400

Upper Depth (m): 899.0

Lower Depth (m): 903.0

Fraction: gasoline

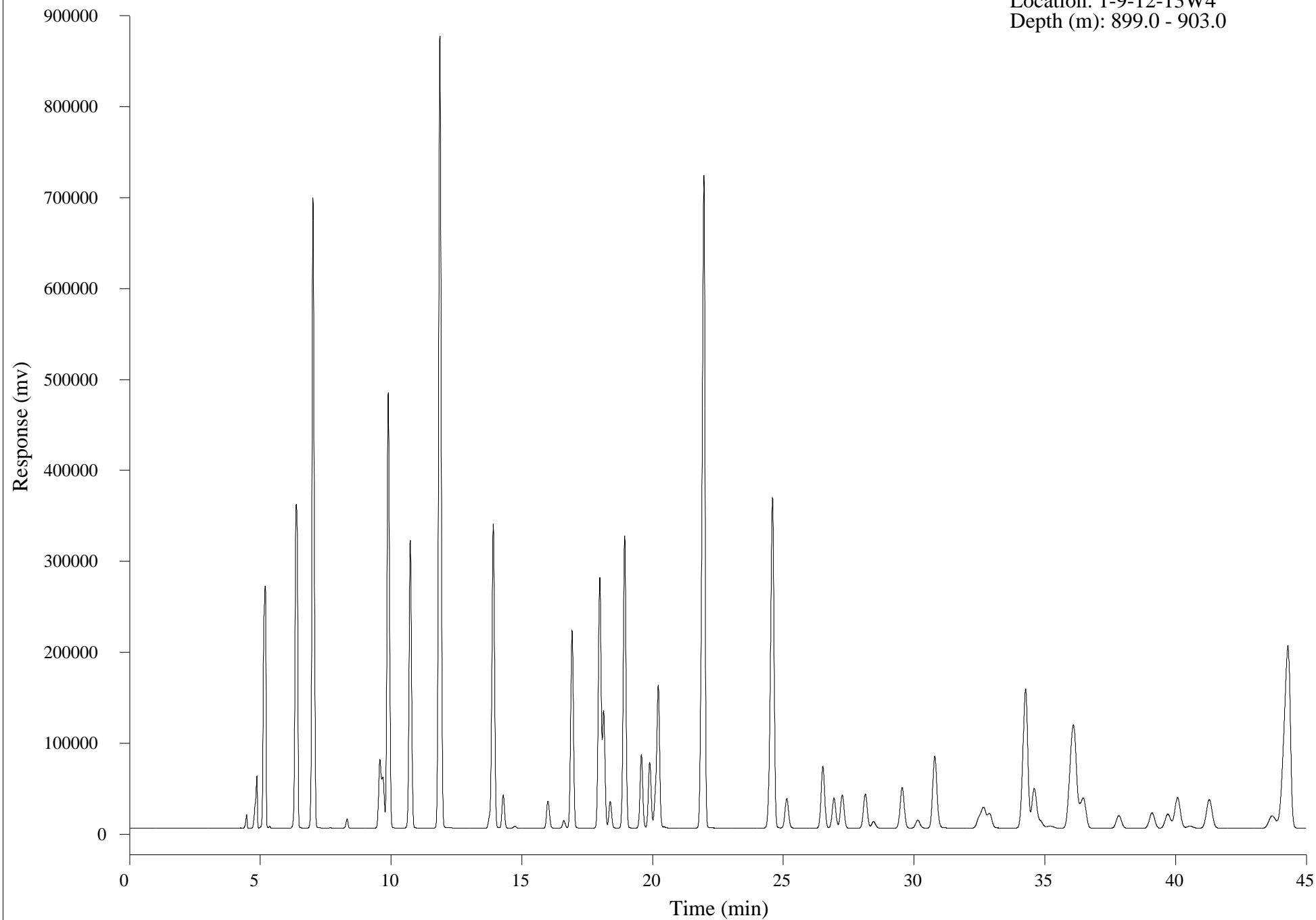
Instrument: HP 5890 GC

Column: DB-1, 60m x 0.32mm ID, 1.0 micrometer film thickness

| Time | Compound Name | Area | Height |
|-------|---------------|------------|-----------|
| 6.38 | iC5 | 2583324.00 | 356242.63 |
| 7.02 | nC5 | 4084451.00 | 693207.72 |
| 8.32 | 22DMC4 | 53649.00 | 10063.97 |
| 9.58 | CYC5 | 542505.00 | 75638.79 |
| 9.69 | 23DMC4 | 326824.00 | 56242.24 |
| 9.90 | 2MC5 | 3118004.00 | 478968.80 |
| 10.74 | 3MC5 | 2102837.00 | 316778.77 |
| 11.87 | nC6 | 5739389.00 | 871436.16 |
| 13.78 | 22DMC5 | 85771.00 | 22654.22 |
| 13.91 | MCYC5 | 2452571.00 | 339810.00 |
| 14.29 | 24DMC5 | 239974.00 | 36139.73 |
| 14.74 | 223TMC4 | 14418.00 | 2097.51 |
| 16.00 | BEN | 226535.00 | 29782.06 |
| 16.61 | 33DMC5 | 56457.00 | 8034.97 |
| 16.93 | CYC6 | 1576197.00 | 217022.71 |
| 17.98 | 2MC6 | 2077119.00 | 275463.47 |
| 18.13 | 23DMC5 | 835519.00 | 129076.72 |
| 18.38 | 11DMCYC5 | 210552.00 | 29052.51 |
| 18.94 | 3MC6 | 2340799.00 | 321636.01 |
| 19.58 | 1c3DMCYC5 | 594578.00 | 80735.75 |
| 19.89 | 1t3DMCYC5 | 541853.00 | 72315.27 |
| 20.22 | 1t2DMCYC5 | 1374115.00 | 157314.48 |
| 21.97 | nC7 | 5776815.00 | 717650.98 |
| 24.59 | MCYC6 | 3414480.00 | 363644.10 |
| 25.14 | 22DMC6 | 309443.00 | 32615.17 |
| 26.52 | ECYC5 | 653771.00 | 67977.71 |
| 26.94 | 25DMC6 | 325181.00 | 33267.61 |
| 27.26 | 24DMC6 | 361605.00 | 36351.86 |
| 28.14 | 223TMC5 | 389855.00 | 37493.57 |
| 30.15 | 234TMC5 | 103153.00 | 8967.69 |
| 30.80 | TOL | 909481.00 | 78952.95 |
| 34.27 | 2MC7 | 1983597.00 | 152468.92 |
| 36.47 | 3MC7 | 488937.00 | 33489.38 |
| 43.71 | 1c4DMCYC6 | 245120.00 | 13666.48 |
| 44.30 | nC8 | 3440564.00 | 200875.45 |

Gasoline Gas Chromatogram

Lab Id: L01966
GSC No: C-558459
Location: 1-9-12-13W4
Depth (m): 899.0 - 903.0



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Sample ID: L01966

GSC Catalog No: C-558459

Acquisition Date: 1996-05-29

Location: 1-9-12-13W4

UWI: 100010901213W400

Upper Depth (m): 899.0

Lower Depth (m): 903.0

Fraction: saturate

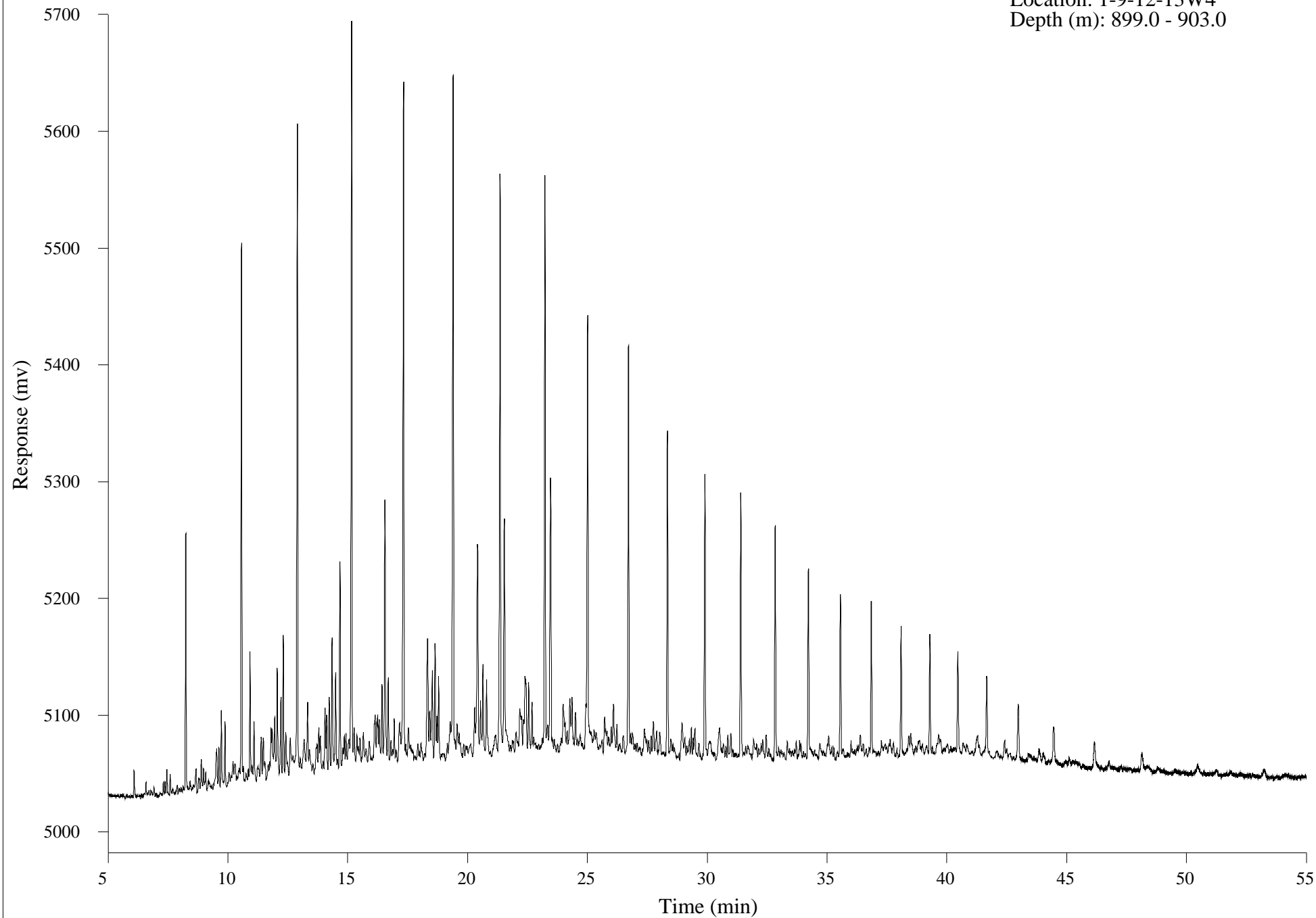
Instrument: Varian 3800 GC

Column: DB-1, 30m x 0.25mm ID, 0.25 micrometers film thickness

| Time | Compound Name | Area | Height |
|-------|---------------|---------|--------|
| 6.09 | C10 | 48.00 | 22.67 |
| 8.24 | C11 | 455.15 | 221.15 |
| 10.57 | C12 | 1026.10 | 449.88 |
| 12.90 | C13 | 1368.74 | 547.39 |
| 15.17 | C14 | 1565.47 | 625.95 |
| 17.33 | C15 | 1615.17 | 574.50 |
| 19.40 | C16 | 1513.20 | 568.30 |
| 21.36 | C17 | 1407.14 | 491.39 |
| 21.54 | Pr | 513.65 | 184.57 |
| 23.23 | C18 | 1166.22 | 475.29 |
| 23.47 | Ph | 717.82 | 223.49 |
| 25.01 | C19 | 1104.11 | 363.91 |
| 26.72 | C20 | 922.29 | 345.66 |
| 28.34 | C21 | 773.78 | 278.81 |
| 29.91 | C22 | 670.87 | 237.50 |
| 31.40 | C23 | 605.61 | 225.33 |
| 32.84 | C24 | 546.80 | 200.87 |
| 34.23 | C25 | 440.14 | 158.12 |
| 35.56 | C26 | 404.44 | 138.48 |
| 36.85 | C27 | 324.93 | 131.63 |
| 38.10 | C28 | 310.68 | 109.89 |
| 39.30 | C29 | 283.53 | 102.09 |
| 40.46 | C30 | 243.62 | 85.57 |
| 41.67 | C31 | 194.12 | 65.51 |
| 42.99 | C32 | 192.47 | 47.72 |

Saturated Hydrocarbons Gas Chromatogram

Lab Id: L01966
GSC No: C-558459
Location: 1-9-12-13W4
Depth (m): 899.0 - 903.0



Gas Chromatography - Mass Spectrometry Report

Organic Geochemistry Laboratory, Geological Survey of Canada - Calgary

Database Reference: Gas Chromatography - Mass Spectrometry Data for Crude Oils, Condensates and Rock Extracts,
Geoscience Data Repository, Lands and Minerals Sector, Natural Resources Canada

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Sample ID: L01966

GSC Catalog No: C-558459

Acquisition Date: 1996-06-27

Location: 1-9-12-13W4

UWI: 100010901213W400

Upper Depth (m): 899.0

Lower Depth (m): 903.0

Fraction: saturate

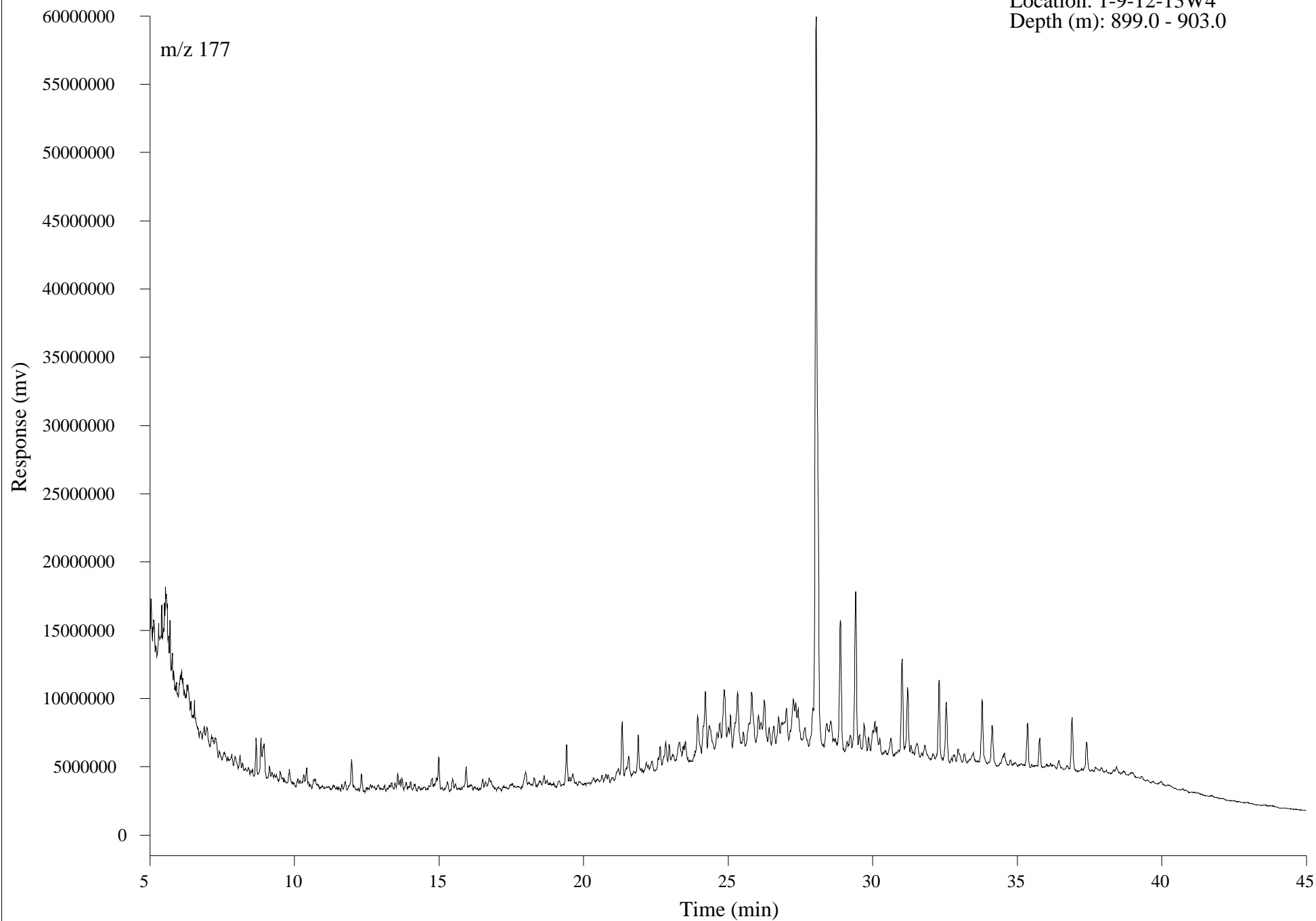
Instrument: HP 5890 GC/VG70SQ MS

MS Mode: Selected Ion Monitoring + EI

Column: DB-5ms, 30m x 0.32mm ID, 0.25 micrometers film thickness

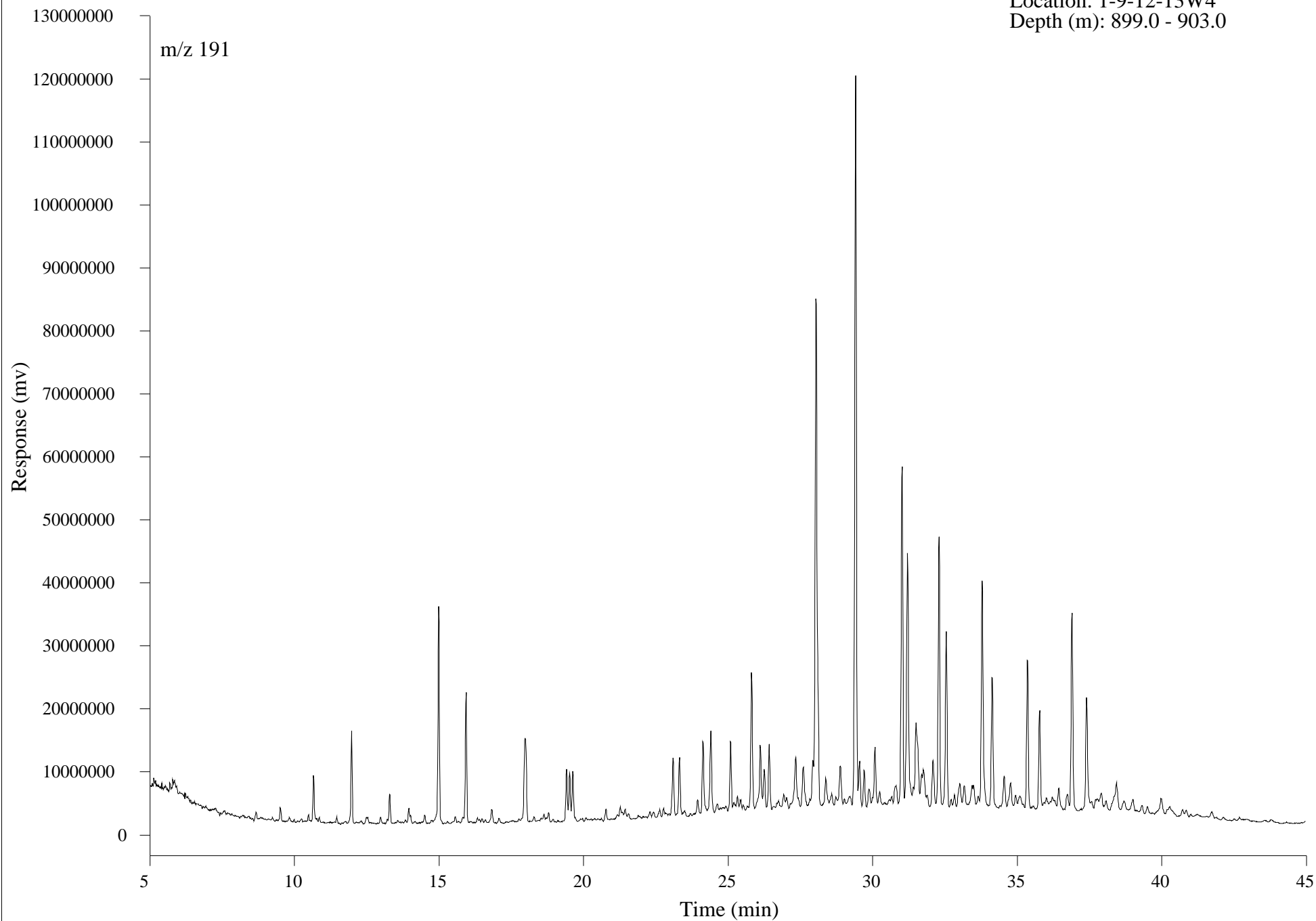
Saturated Hydrocarbons Mass Chromatogram

Lab Id: L01966
GSC No: C-558459
Location: 1-9-12-13W4
Depth (m): 899.0 - 903.0



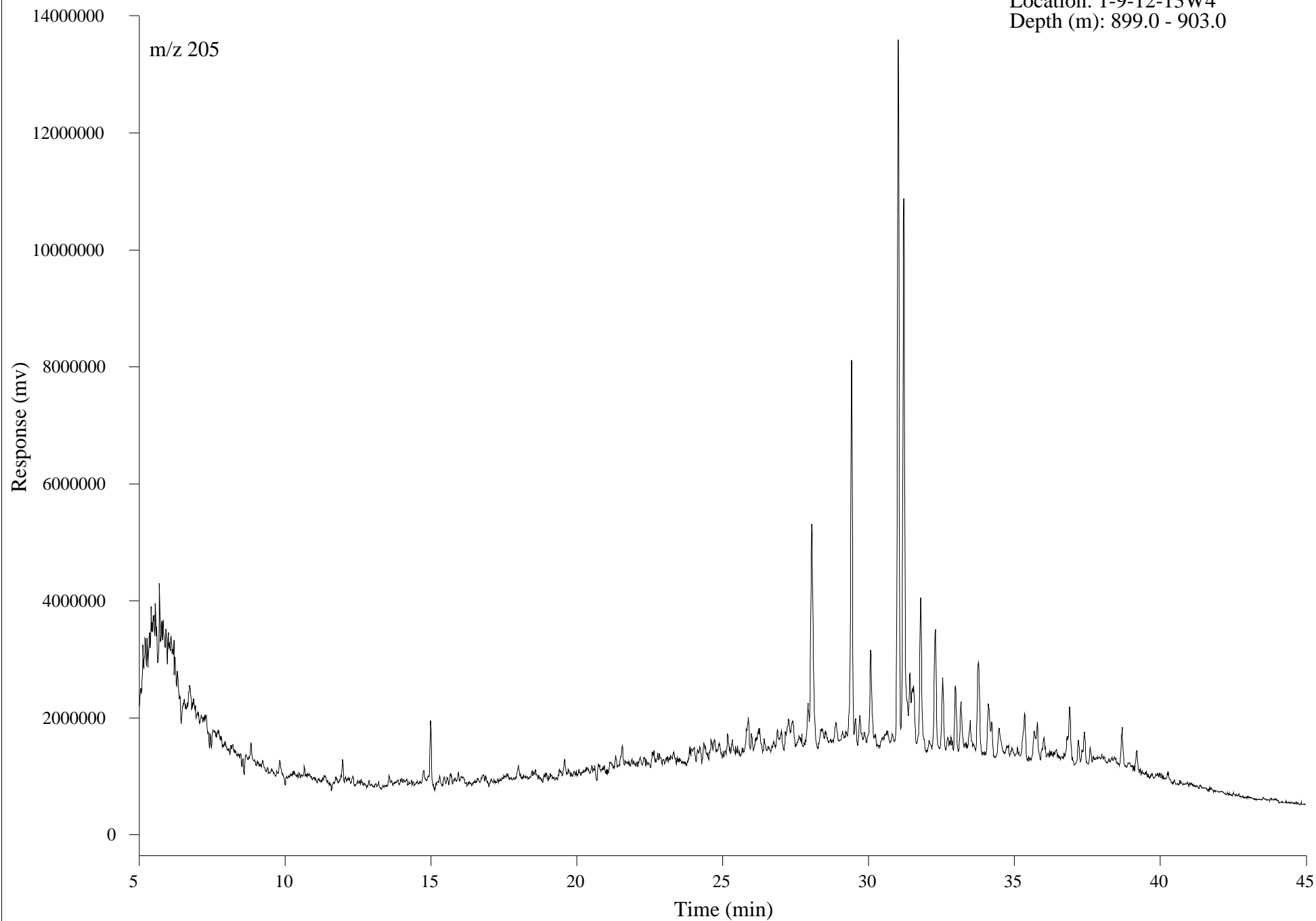
Saturated Hydrocarbons Mass Chromatogram

Lab Id: L01966
GSC No: C-558459
Location: 1-9-12-13W4
Depth (m): 899.0 - 903.0



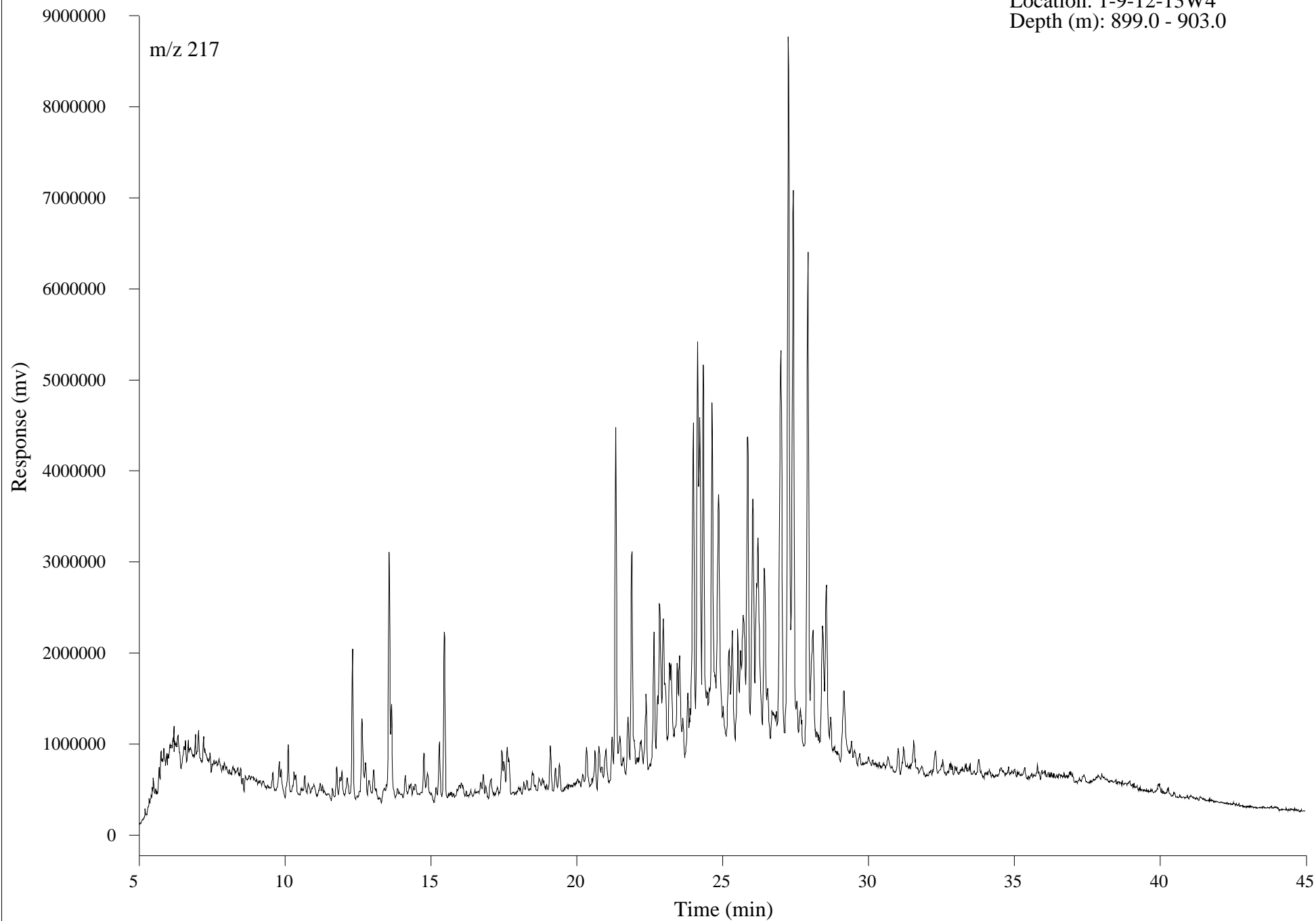
Saturated Hydrocarbons Mass Chromatogram

Lab Id: L01966
GSC No: C-558459
Location: 1-9-12-13W4
Depth (m): 899.0 - 903.0



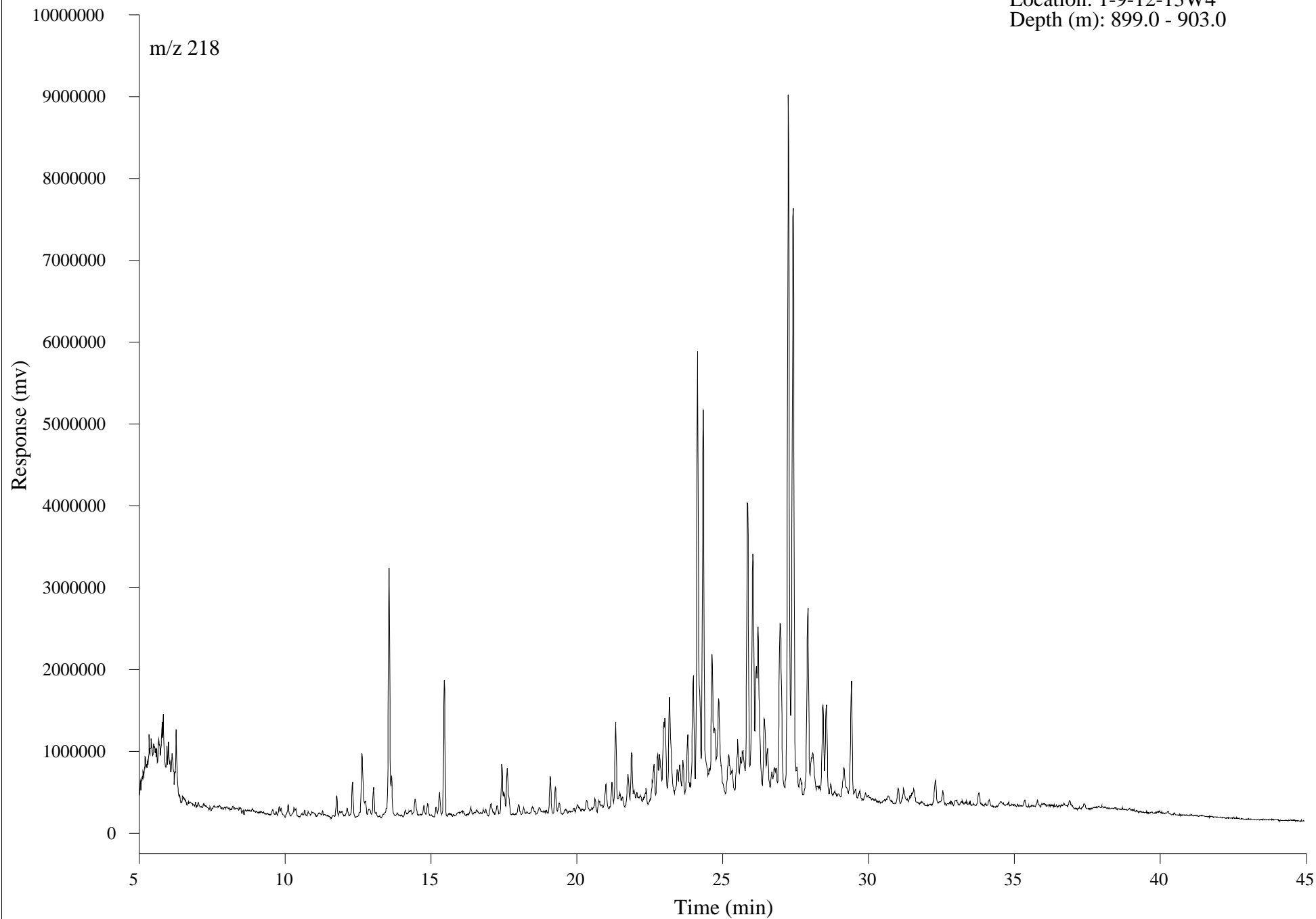
Saturated Hydrocarbons Mass Chromatogram

Lab Id: L01966
GSC No: C-558459
Location: 1-9-12-13W4
Depth (m): 899.0 - 903.0



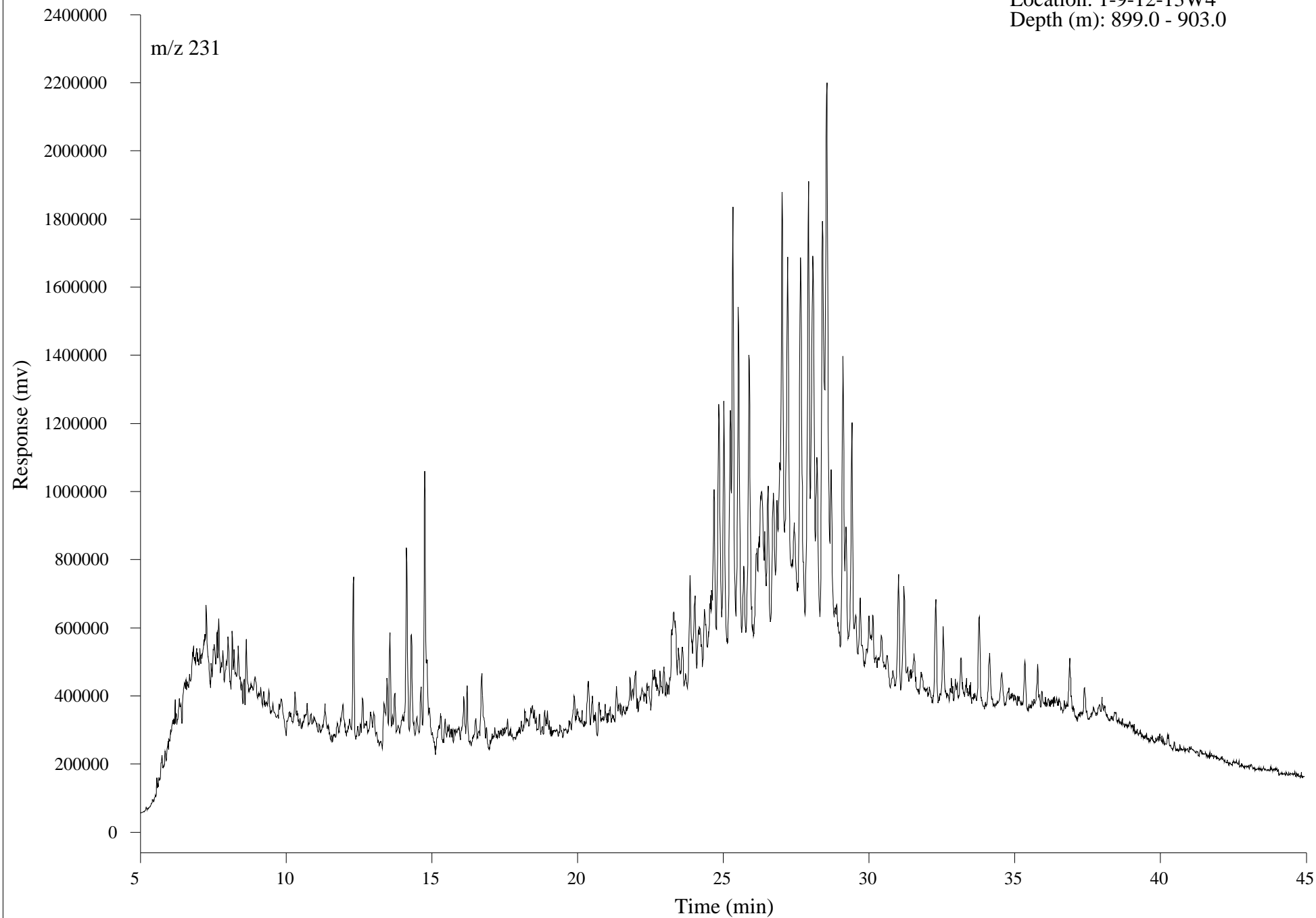
Saturated Hydrocarbons Mass Chromatogram

Lab Id: L01966
GSC No: C-558459
Location: 1-9-12-13W4
Depth (m): 899.0 - 903.0



Saturated Hydrocarbons Mass Chromatogram

Lab Id: L01966
GSC No: C-558459
Location: 1-9-12-13W4
Depth (m): 899.0 - 903.0



Saturated Hydrocarbons Mass Chromatogram

Lab Id: L01966
GSC No: C-558459
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Depth (m): 899.0 - 903.0

