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Title

GEOCHEMICAL DATA REPORT FOR WELL 30/2-2

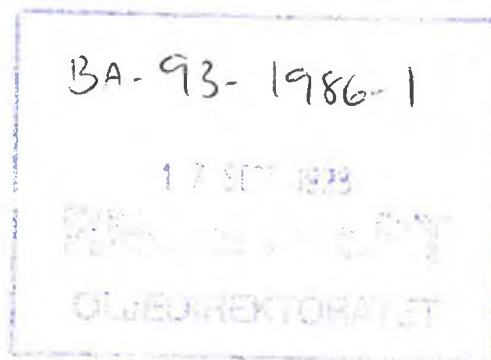
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Abstract

Two samples from the cored interval in well 30/2-2 have been analysed by Iatroscan and the saturated hydrocarbon fractions from two samples were analysed by GC-FID and GC/MS.

NOT INCLUDED IN WELL TRADE.



Key Words

30/2-2, geochemistry, GC-FID, GC/MS, Huldra

Classification: Free Saga and partners Internal Confidential Strictly confidential

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1 Objectives

The objective of this study was to characterise the extractable hydrocarbons in two core samples from well 30/2-2 from the Huldra Field, Norway.

2 General well information

The well was drilled by Statoil as operator of licence 051 from 19/12-84 to 4/5-85 and reached a total depth of 4170 mRKB. The KB of the rig was 29 metres and the water depth was 123 metres.

3 Samples and analytical scheme

Two samples were picked from the cored interval in the well on the 16th of September 1992 at NPD's store in Stavanger. The two samples (3943.0 and 3959.9 mRKB core depth) were analysed by Iatroscan (TLC-FID), and the saturated hydrocarbon fractions were analysed by GC-FID and GC/MS.

4 Vitrinite reflectance

No samples were analysed.

5 TOC and Rock Eval

No samples were analysed.

6 Iatroscan (TLC-FID)

Two samples were analysed, and the results are tabulated in Table 1.

7 GC-FID

The saturated hydrocarbon fractions of two samples (3943.0 and 3959.9 mRKB core depth) were analysed by GC-FID. Both samples show a uniform n-alkane distribution without any signs of biological degradation.

Since the evaporative loss has affected the relative concentration of individual compounds, no ratios were calculated.

The GC-FID chromatograms are shown in figure 1.

8 GC/MS

The saturated hydrocarbon fractions of both samples were analysed by GC/MS and the mass chromatograms for m/z 191, 177, 217 and 218 are shown in figure 2.

Selected biological marker parameters are given in table 2.

9 Stable carbon isotopes

No samples were analysed.

Tab. 1

0 WELL NAME	1 NATIONALITY	2 LABORATORY	3 U.DEPTH	4 L.DEPTH	5 SAMPLE TYPE	6 LITHOLOGY	7 EOM mg/g
1 30/2-2	NOR	SAGA	3943.00	3943.00	CCP	SST	1.17
2 30/2-2	NOR	SAGA	3959.90	3959.90	CCP	SST	0.94

0 WELL NAME	8 SAT (mg/g)	9 ARO (mg/g)	10 POL (mg/g)	11 SAT %	12 ARO %	13 POLARS %	14 SAT ARO	15 METHODS
1 30/2-2	0.87	0.08	0.22	74.358974	6.837607	18.803419	10.875000	GC, GC/MS
2 30/2-2	0.67	0.23	0.04	71.276596	24.468085	4.255319	2.913043	GC, GC/MS

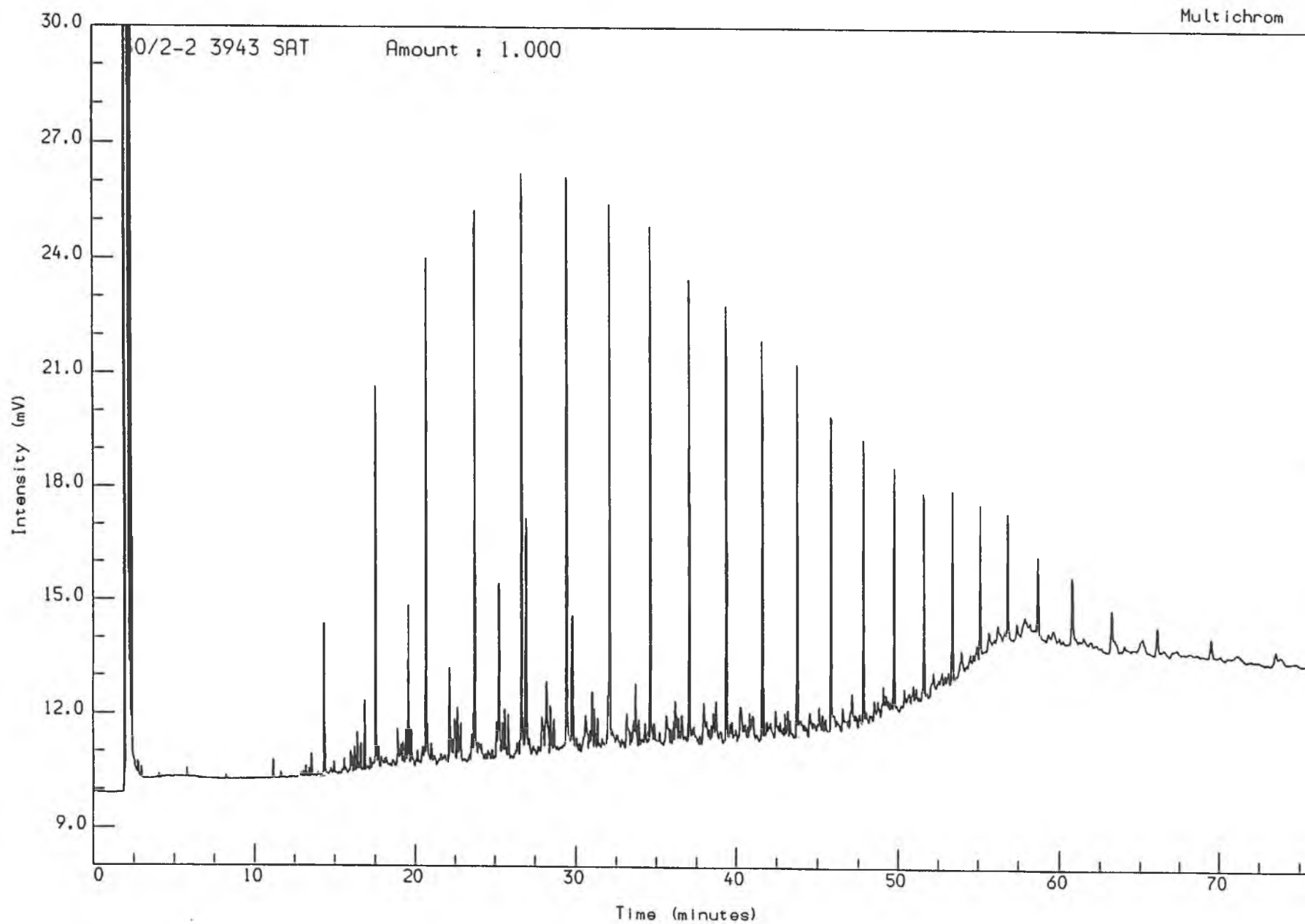
Tab. 2

0 WELL NAME	1 CONS.	2 UPPER DEPTH	3 DEPTH	4 LITH	5 SAMPLE TYPE	6 Q/E	7 Ts/Tm	8 Z/C	9 ab/ab+ba
1 30/2-2	SAGA	3943.00	3943.00	SST	CCP	1.49	1.92	0.25	0.84
2 30/2-2	SAGA	3959.50	3959.50	SST	CCP	0.56	1.61	0.30	0.99

0 WELL NAME	10 %22S	11 %20S	12 %bb	13 a/a+j	14 C27st	15 C28st	16 C29st
1 30/2-2	0.63	0.60	0.59	0.90	34.50	30.99	34.50
2 30/2-2	0.59	0.58	0.60	0.87	35.33	31.78	32.89

Fig. 1

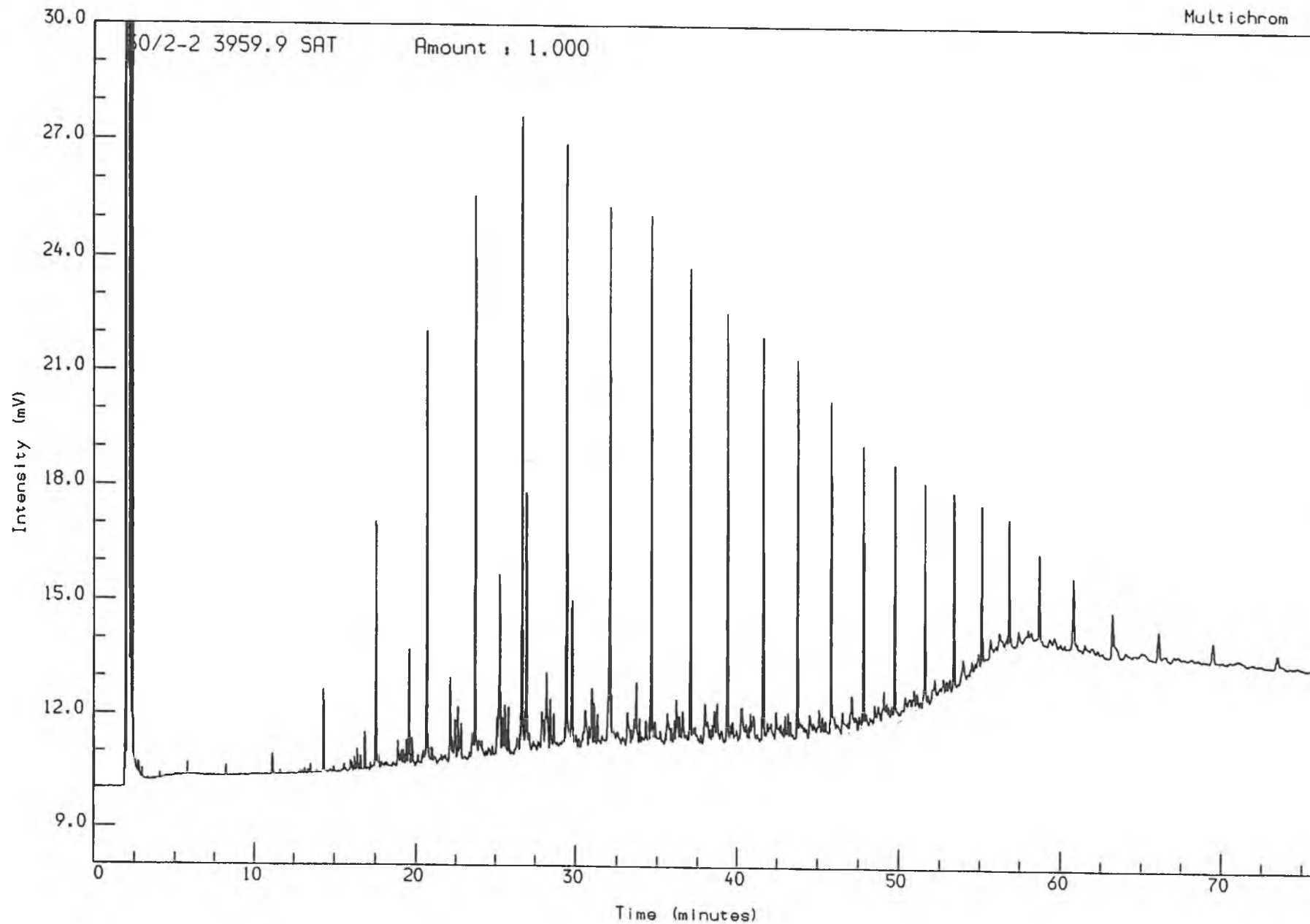
Analysis Name : [DEFPROJECT] 3 S102,7,1.



Acquired on 30-SEP-1992 at 18.48

Reported on 6-OCT-1992 at 09.07

Analysis Name : [DEFPROJECT] 3 S102,8,1.



Acquired on 30-SEP-1992 at 20:09

Reported on 6-OCT-1992 at 09:08

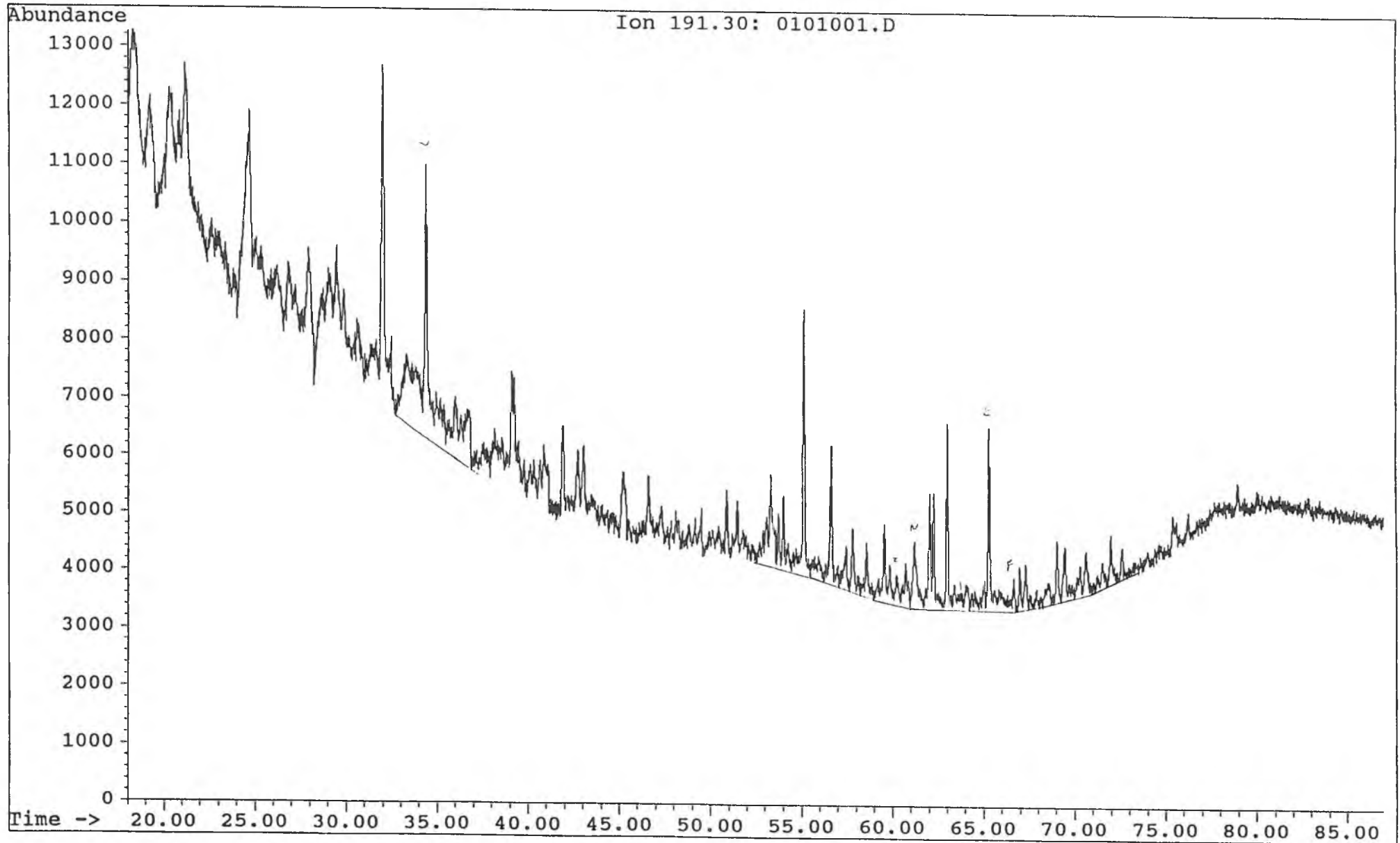
Fig. 2

Saga Petroleum a.s.

File: C:\CHEMPC\DATA\30_31\0101001.D Inst: HP5971A Inj: Split Meth: BMS.M

Date acquired: 5 Oct 92 1:55 pm

Sample name: WELL 30/2-2 3943 sat

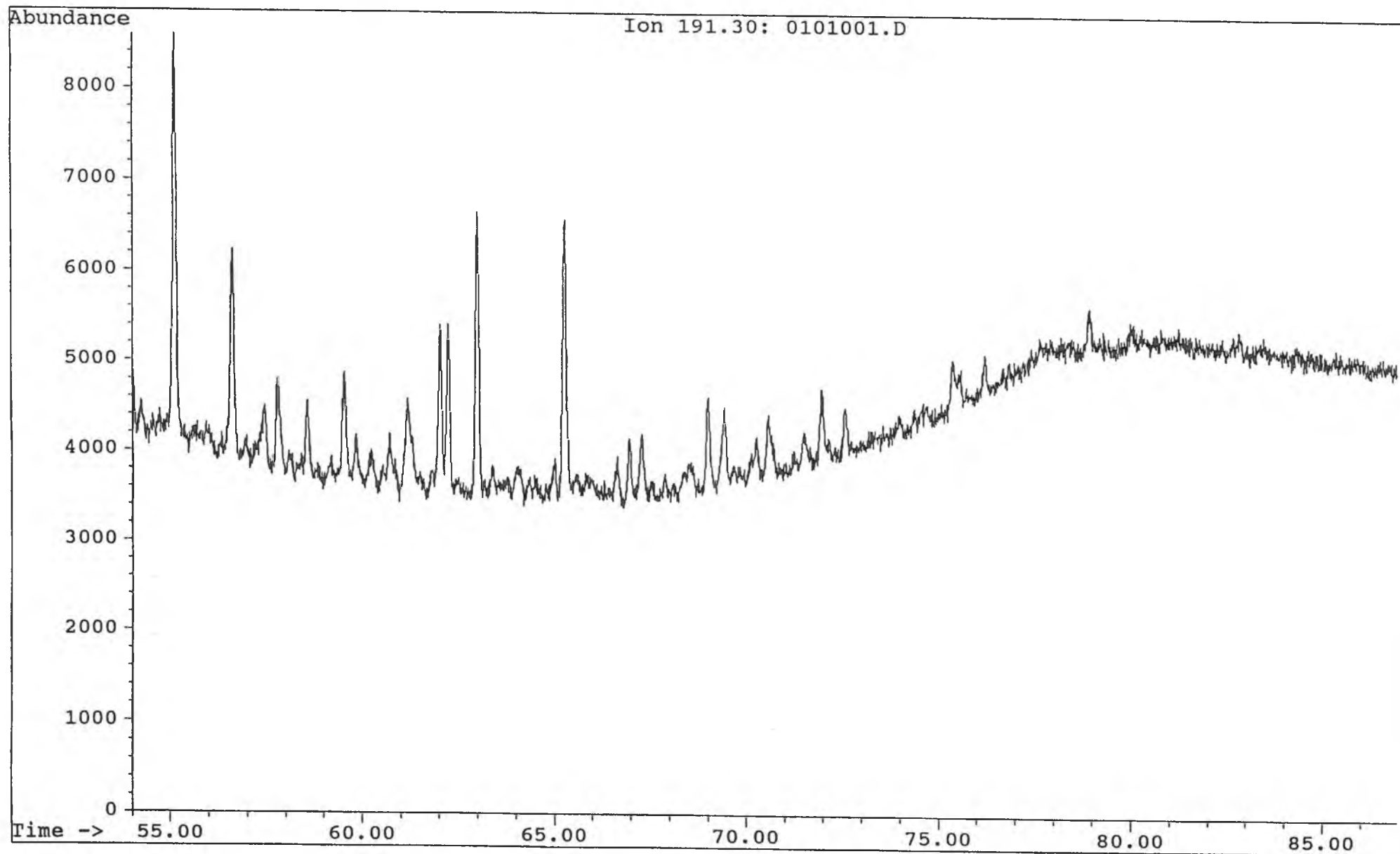


Saga Petroleum a.s.

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Date acquired: 5 Oct 92 1:55 pm

Sample name: WELL 30/2-2 3943 sat

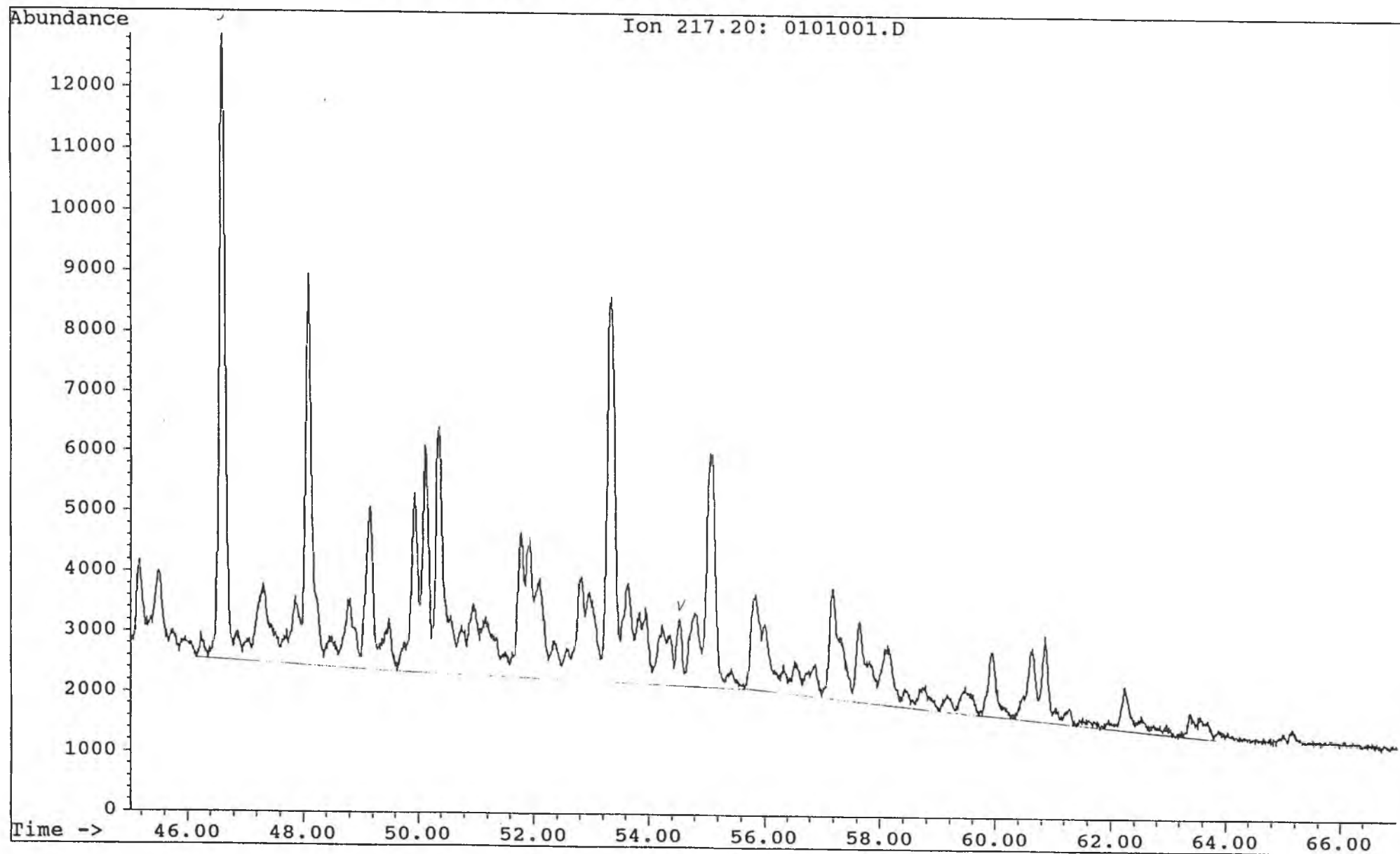


Saga Petroleum a.s.

File: C:\CHEMPC\DATA\30_31\0101001.D Inst: HP5971A Inj: Split Meth: BMS.M

Date acquired: 5 Oct 92 1:55 pm

Sample name: WELL 30/2-2 3943 sat

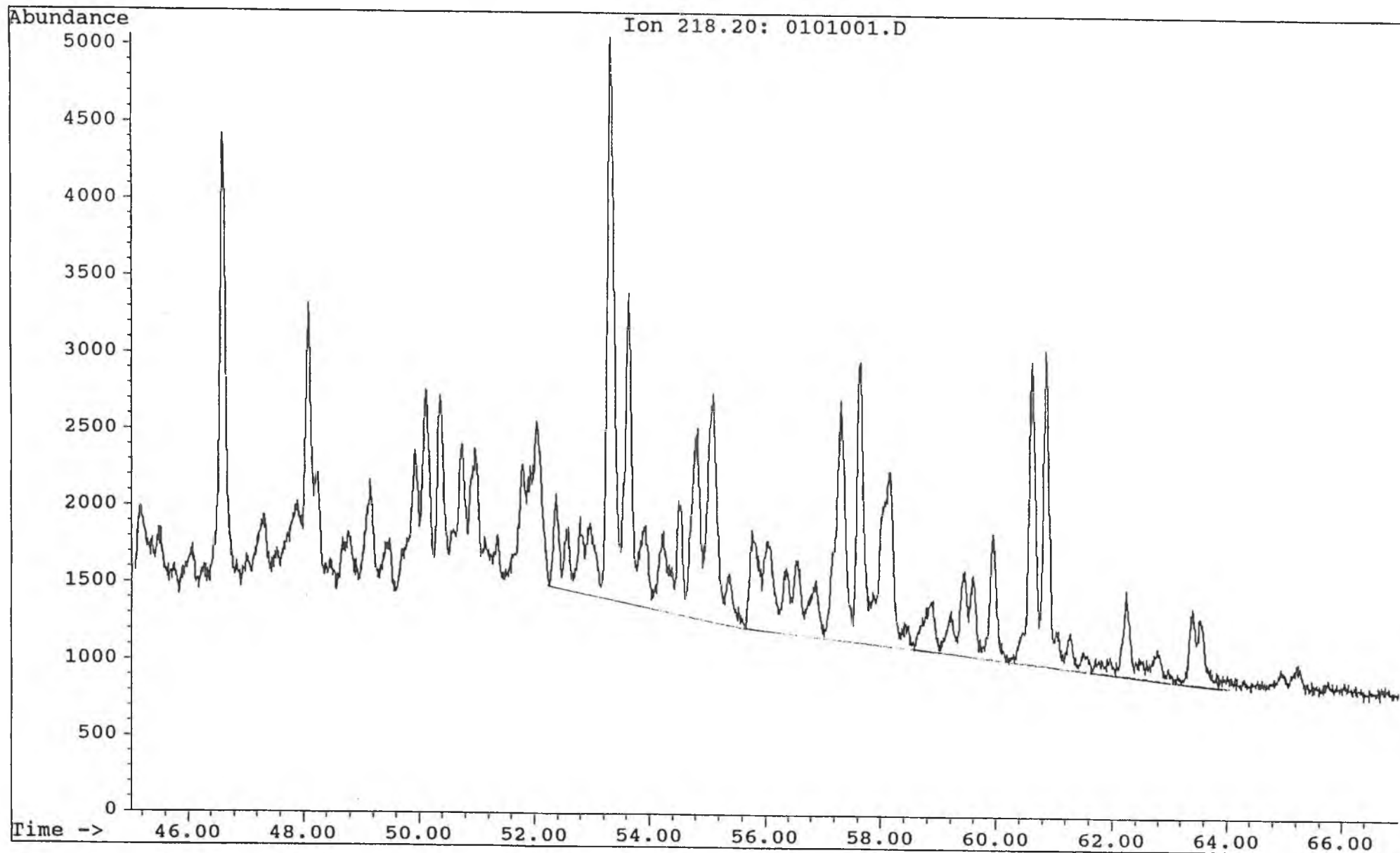


Saga Petroleum a.s.

File: C:\CHEMPC\DATA\30_31\0101001.D Inst: HP5971A Inj: Split Meth: BMS.M

Date acquired: 5 Oct 92 1:55 pm

Sample name: WELL 30/2-2 3943 sat

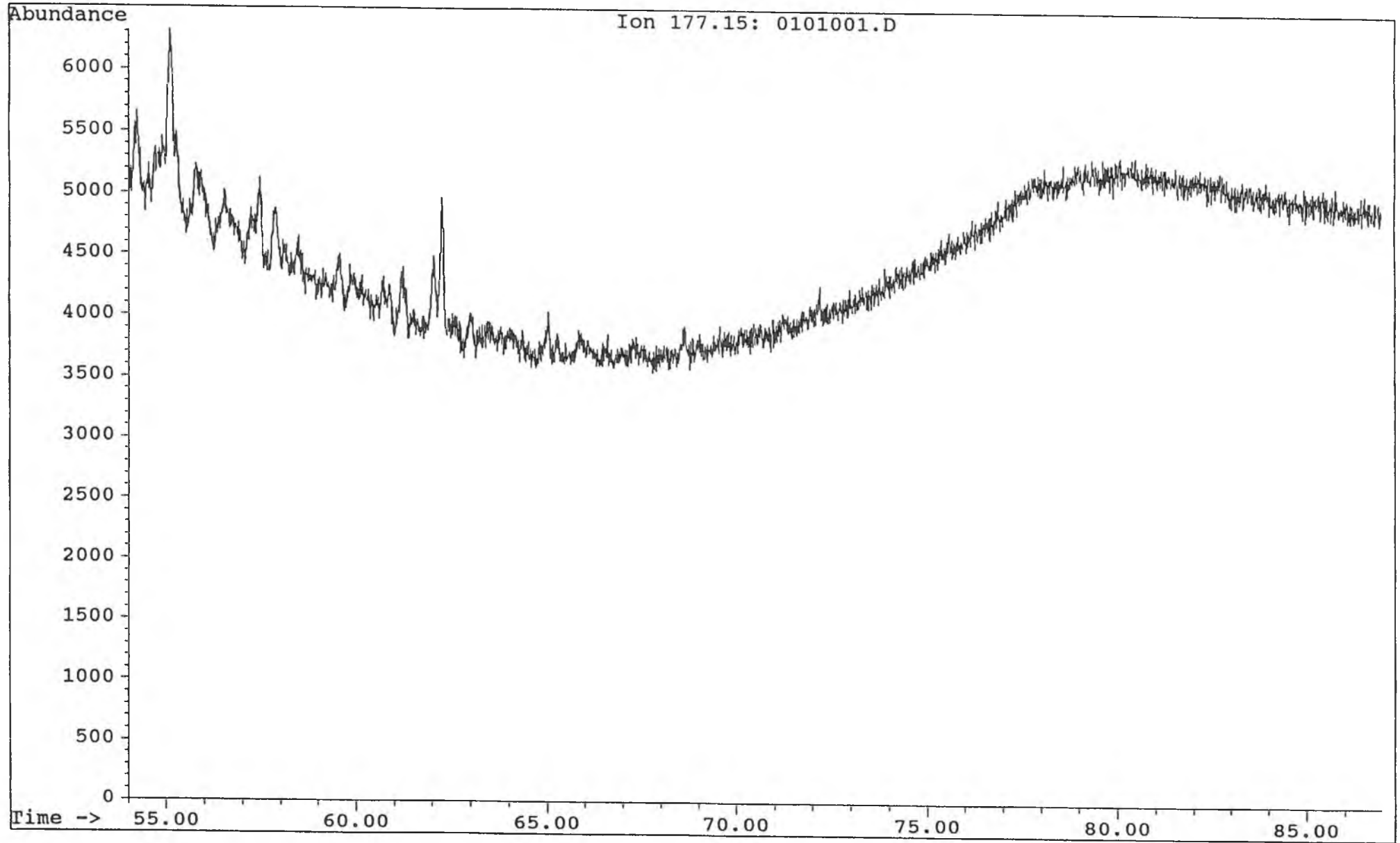


Saga Petroleum a.s.

File: C:\CHEMPC\DATA\30_31\0101001.D Inst: HP5971A Inj: Split Meth: BMS.M

Date acquired: 5 Oct 92 1:55 pm

Sample name: WELL 30/2-2 3943 sat



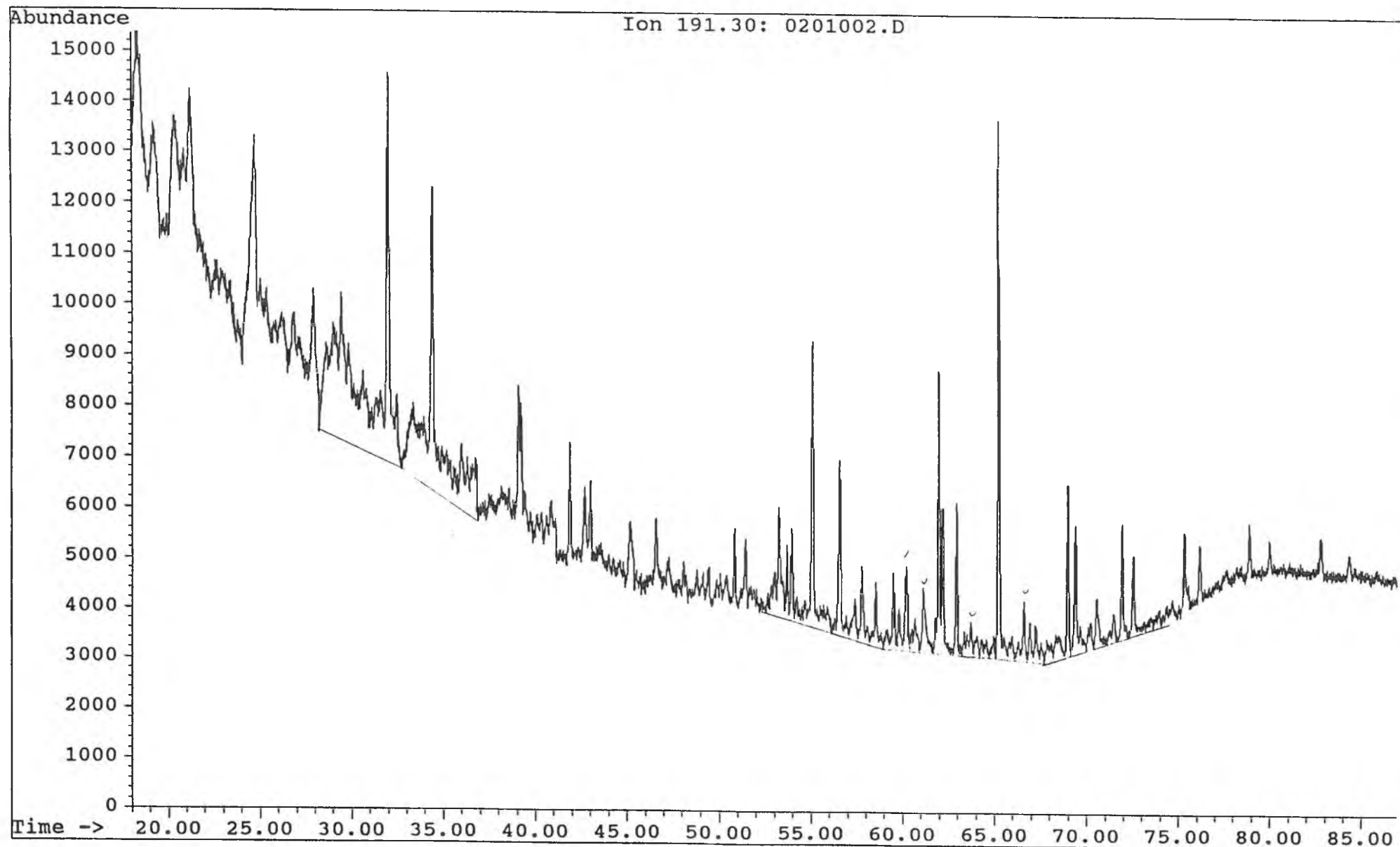
Saga Petroleum a.s.

File: C:\CHEMPC\DATA\30_31\0201002.D Inst: HP5971A Inj: Split Meth: BMS.M

Date acquired: 5 Oct 92 3:38 pm

Sample name:

WELL 30/2-2 3959,9 sat



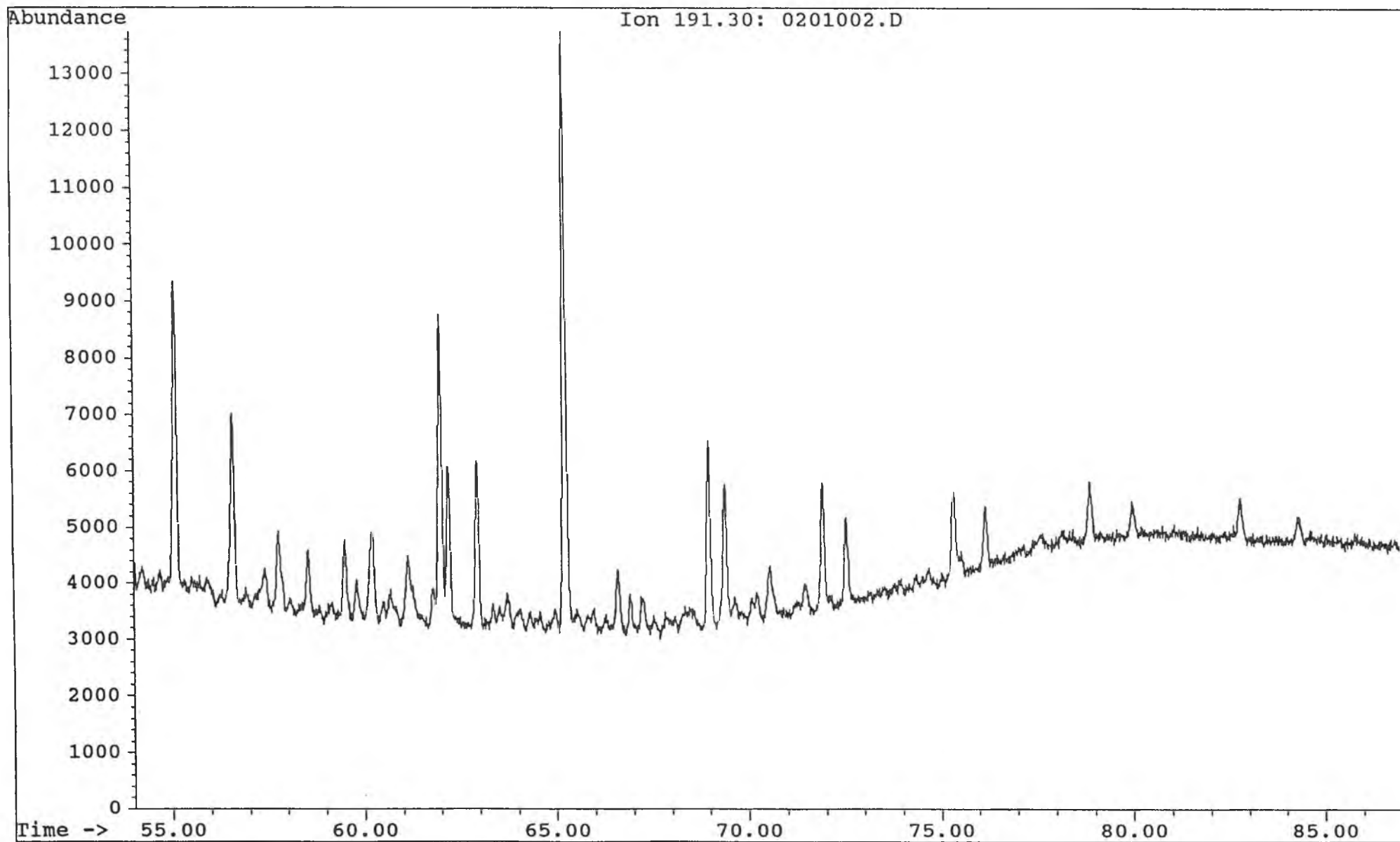
Saga Petroleum a.s.

Date acquired: 5 Oct 92 3:38 pm

File: C:\CHEMPC\DATA\30_31\0201002.D Inst: HP5971A Inj: Split Meth: BMS.M

Sample name:

WELL 30/2-2 3959,9 sat



Saga Petroleum a.s.

Date acquired: 5 Oct 92 3:38 pm

File: C:\CHEMPC\DATA\30_31\0201002.D Inst: HP5971A Inj: Split Meth: BMS.M

Sample name:

WELL 30/2-2 3959,9 sat

