

Data Path : Z:\voasrv\HPCHEM1\MSVOA U\Data\VU042019\
 Data File : VU031359.D
 Acq On : 19 Apr 2019 15:14
 Operator : JC/SP
 Sample : K2455-05 10X
 Misc : 5.03g/5mL/100uL/5.0mL/MSVOA_U/MEOH
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 GAHQ7

Quant Time: Apr 30 05:18:25 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM041719WMA.M
 Quant Title : VOC Analysis
 QLast Update : Fri Apr 19 23:12:12 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.88	114	565556	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.09	117	532449	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.48	152	277395	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.40	65	180052	34.57	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	69.14%
7) Chloroethane-d5	1.68	69	151983	33.61	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	67.22%#
11) 1,1-Dichloroethene-d2	2.27	63	274589	26.61	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	53.22%#
21) 2-Butanone-d5	4.19	46	318479	83.96	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	83.96%
24) Chloroform-d	4.64	84	306865	35.31	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	70.62%
26) 1,2-Dichloroethane-d4	5.31	65	201767	37.70	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	75.40%
32) Benzene-d6	5.34	84	659992	39.21	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	78.42%
36) 1,2-Dichloropropane-d6	6.33	67	198737	36.38	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	72.76%
41) Toluene-d8	7.56	98	651672	44.00	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	88.00%
43) trans-1,3-Dichloropropene-	7.85	79	107870	41.31	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	82.62%
47) 2-Hexanone-d5	8.31	63	209122	81.09	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	81.09%
57) 1,1,2,2-Tetrachloroethane-	10.43	84	281159	37.07	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	74.14%
64) 1,2-Dichlorobenzene-d4	11.86	152	238145	37.43	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	74.86%#

Target Compounds

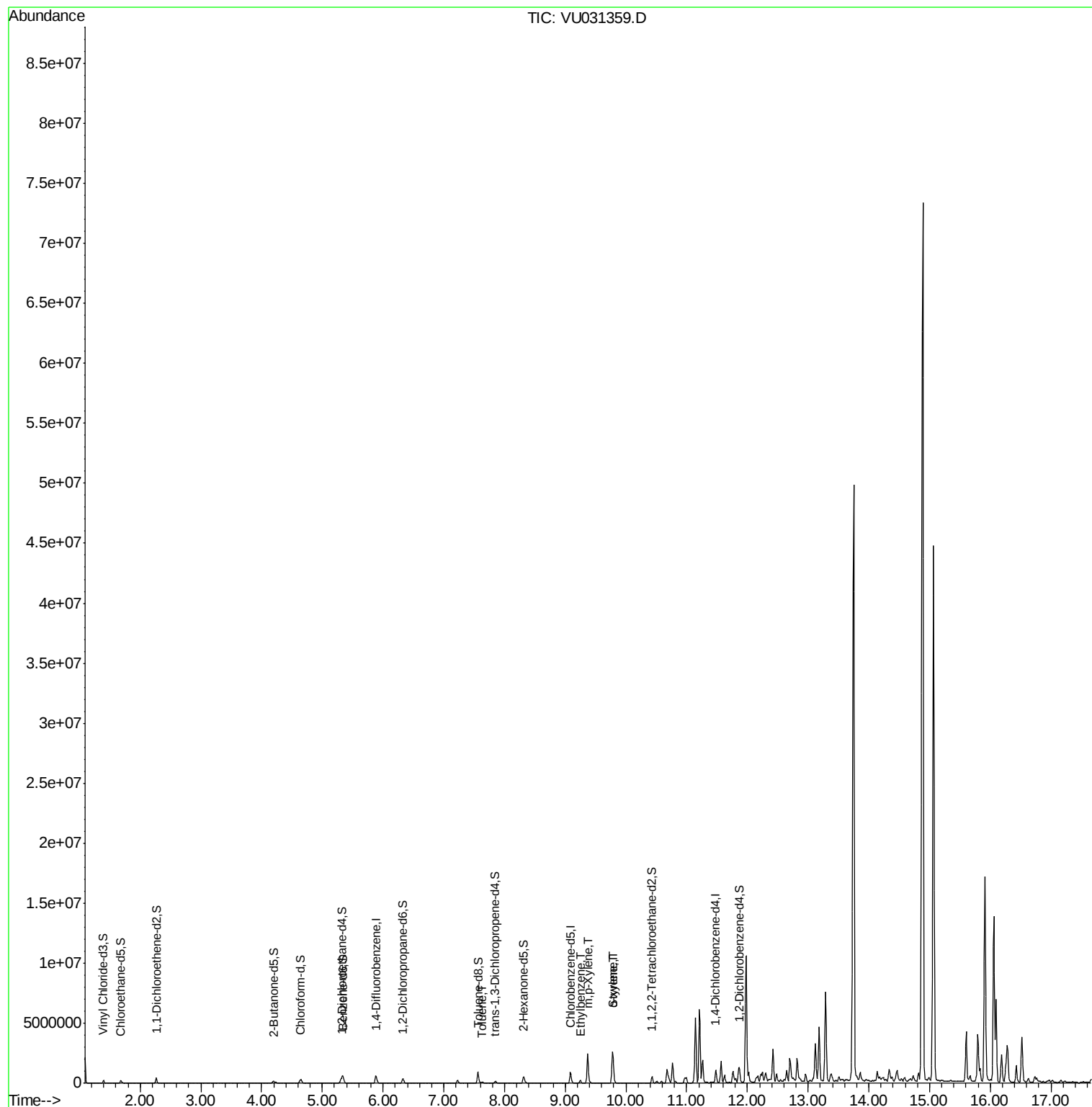
					Ovalue
42) Toluene	7.64	91	61888	3.474	ug/L 97
52) Ethylbenzene	9.25	91	183065	9.440	ug/L 97
53) m,p-Xylene	9.37	106	738304	107.882	ug/L 100
54) o-xylene	9.77	106	511244	73.768	ug/L 98
55) Styrene	9.79	104	693503	59.280	ug/L 98

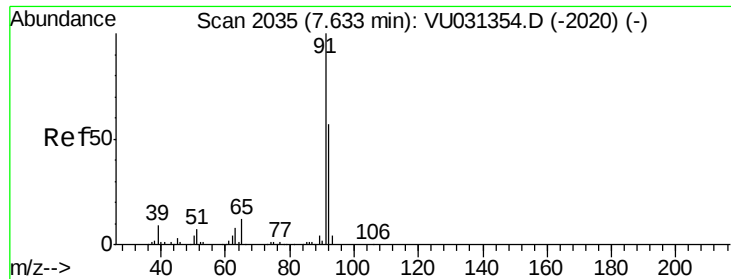
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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GAHQ7

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Response via : Initial Calibration





#42

Toluene

Concen: 3.474 ug/L

RT: 7.64 min Scan# 2036

Delta R.T. 0.00 min

Lab File: VU031359.D

Acq: 19 Apr 2019 15:14

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MSVOA_U

ClientSampleId :

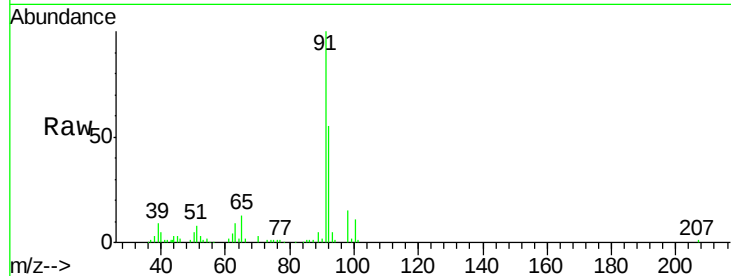
GAHQ7

Tot Ion: 91 Resp: 61888

Ion Ratio Lower Upper

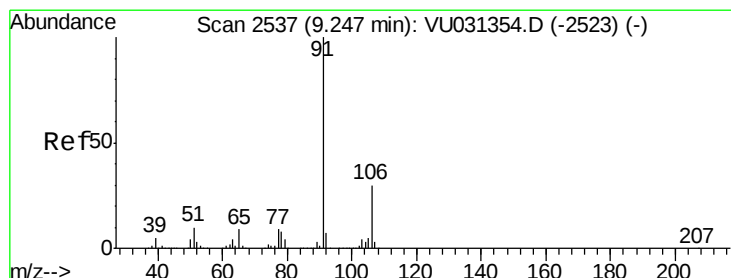
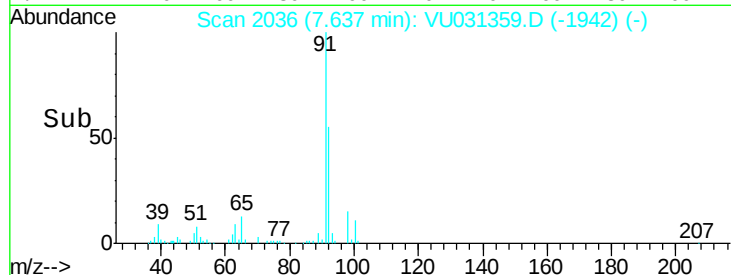
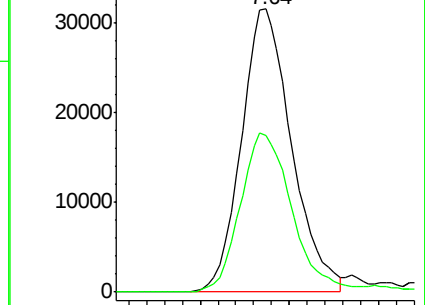
91 100

92 55.3 40.1 74.5



Abundance Ion 91.00 (90.70 to 91.70): VU031359.D (-1942) (-)

Ion 92.00 (91.70 to 92.70): VU031359.D (-1942) (-)



#52

Ethylbenzene

Concen: 9.440 ug/L

RT: 9.25 min Scan# 2537

Delta R.T. 0.00 min

Lab File: VU031359.D

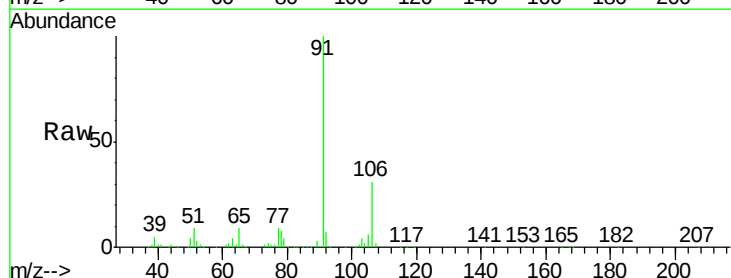
Acq: 19 Apr 2019 15:14

Tgt Ion: 91 Resp: 183065

Ion Ratio Lower Upper

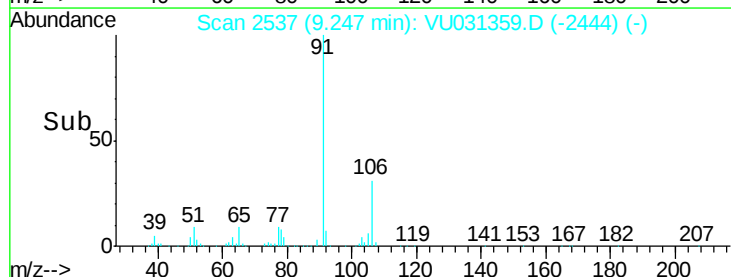
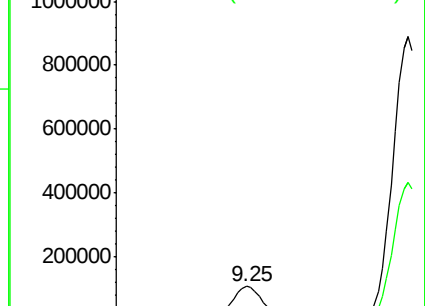
91 100

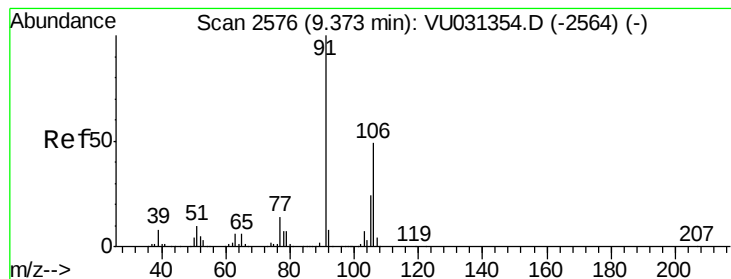
106 31.2 20.9 38.7



Abundance Ion 91.00 (90.70 to 91.70): VU031359.D (-2444) (-)

Ion 106.00 (105.70 to 106.70): VU031359.D (-2444) (-)





#53

m,p-Xylene

Concen: 107.882 ug/L

RT: 9.37 min Scan# 2575

Delta R.T. -0.00 min

Lab File: VU031359.D

Acq: 19 Apr 2019 15:14

Instrument :

MSVOA_U

ClientSampleId :

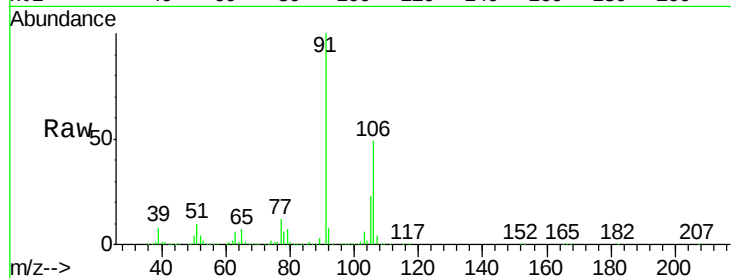
GAHQ7

Tot Ion:106 Resp: 738304

Ion Ratio Lower Upper

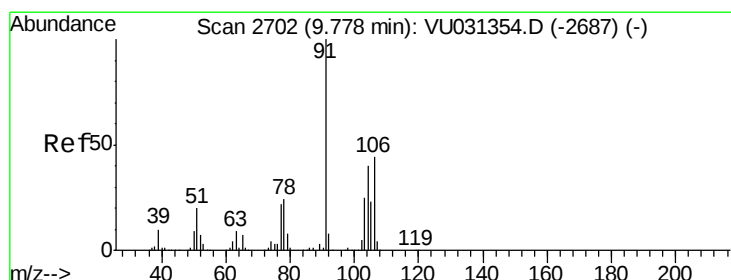
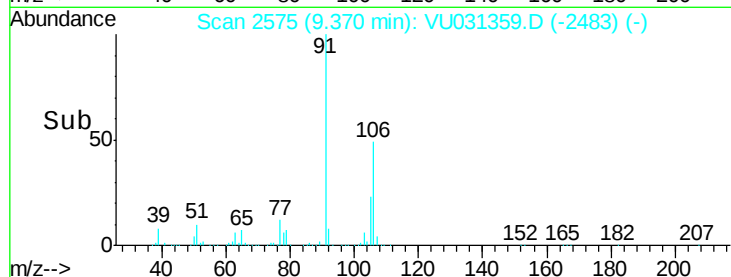
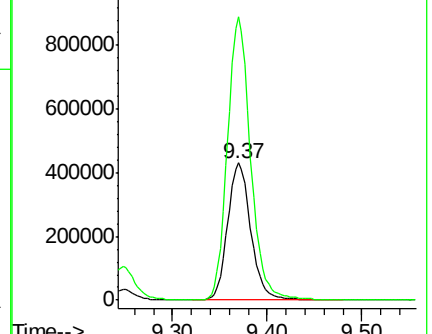
106 100

91 206.1 144.5 268.4



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VU0



#54

o-xylene

Concen: 73.768 ug/L

RT: 9.77 min Scan# 2701

Delta R.T. -0.00 min

Lab File: VU031359.D

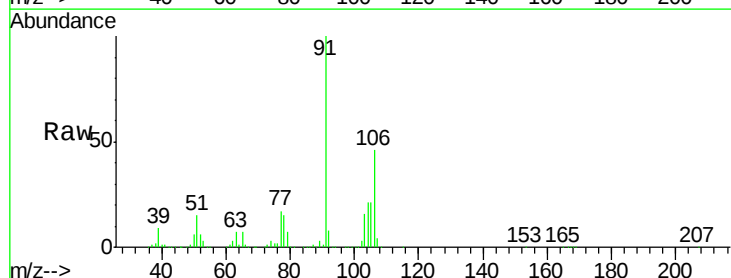
Acq: 19 Apr 2019 15:14

Tgt Ion:106 Resp: 511244

Ion Ratio Lower Upper

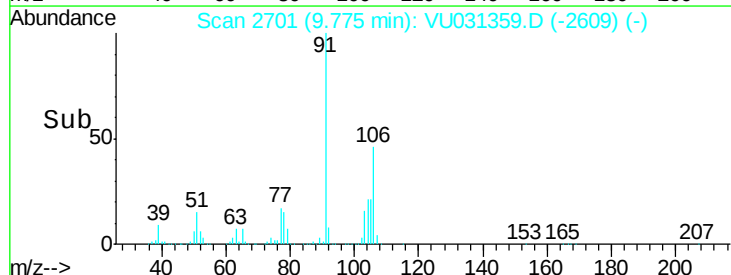
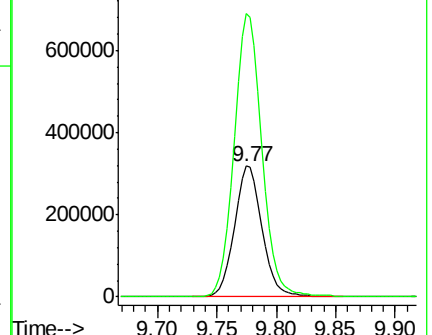
106 100

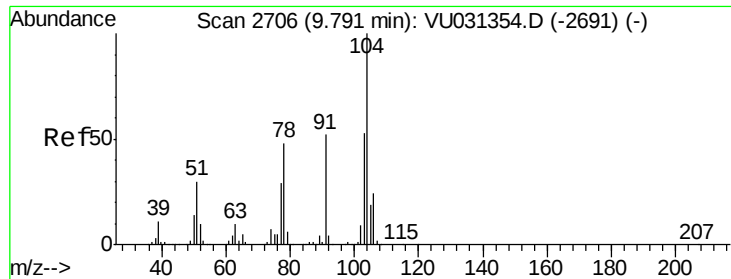
91 216.6 154.3 286.5



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VU0





#55

Stvrene

Concen: 59.280 ug/L

RT: 9.79 min Scan# 2706

Delta R.T. 0.00 min

Lab File: VU031359.D

Acq: 19 Apr 2019 15:14

Instrument :

MSVOA_U

ClientSampleId :

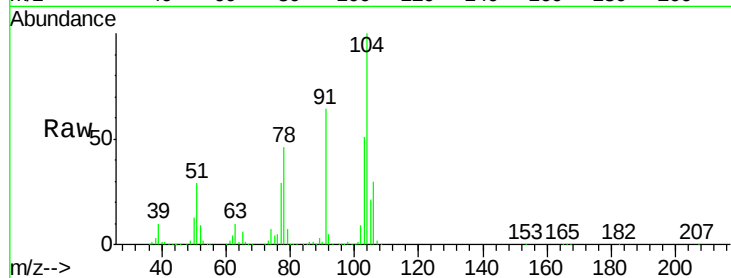
GAHQ7

Tot Ion:104 Resp: 693503

Ion Ratio Lower Upper

104 100

78 45.5 32.8 61.0



Abundance Ion 104.00 (103.70 to 104.70): V

Ion 78.00 (77.70 to 78.70): VU0

