

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU022219\
 Data File : VU029621.D
 Acq On : 22 Feb 2019 15:21
 Operator : JC/SP
 Sample : K1581-06MS
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 19 Sample Multiplier: 2

Instrument :
 MSVOA_U
 ClientSampleId :
 DB617MS

Quant Time: Feb 22 23:06:19 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM021519WMA.M
 Quant Title : VOC Analysis
 QLast Update : Fri Feb 22 22:13:56 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.88	114	466268	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.09	117	453252	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.48	152	226053	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.40	65	131350	38.44	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	76.88%
7) Chloroethane-d5	1.68	69	123187	40.56	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	81.12%
11) 1,1-Dichloroethene-d2	2.27	63	222823	33.36	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	66.72%
21) 2-Butanone-d5	4.17	46	206266	99.20	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	99.20%
24) Chloroform-d	4.64	84	256464	46.28	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	92.56%
26) 1,2-Dichloroethane-d4	5.31	65	166051	47.33	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	94.66%
32) Benzene-d6	5.34	84	529448	46.42	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	92.84%
36) 1,2-Dichloropropane-d6	6.33	67	165460	48.22	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	96.44%
41) Toluene-d8	7.56	98	500476	43.00	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	86.00%
43) trans-1,3-Dichloropropene-	7.85	79	75419	41.44	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	82.88%
47) 2-Hexanone-d5	8.31	63	175674	91.94	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	91.94%
57) 1,1,2,2-Tetrachloroethane-	10.43	84	260703	44.97	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	89.94%
64) 1,2-Dichlorobenzene-d4	11.86	152	221010	45.37	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	90.74%

Target Compounds

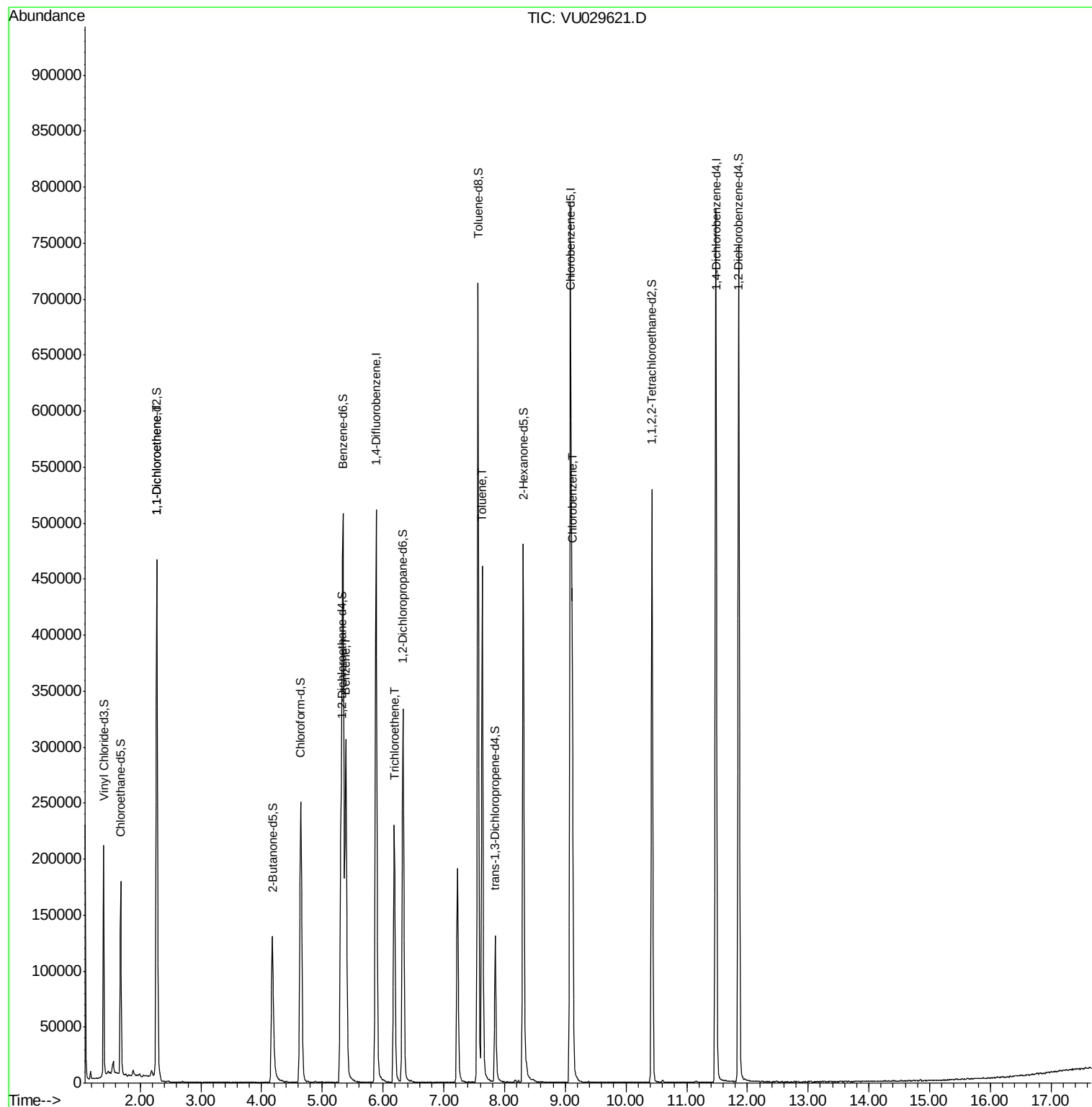
Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
12) 1,1-Dichloroethene	2.28	96	70270	45.516	ug/L	90
33) Benzene	5.39	78	315221	54.252	ug/L	100
34) Trichloroethene	6.18	95	81247	51.907	ug/L	98
42) Toluene	7.63	91	355013	51.666	ug/L	97
51) Chlorobenzene	9.12	112	233848	49.585	ug/L	98

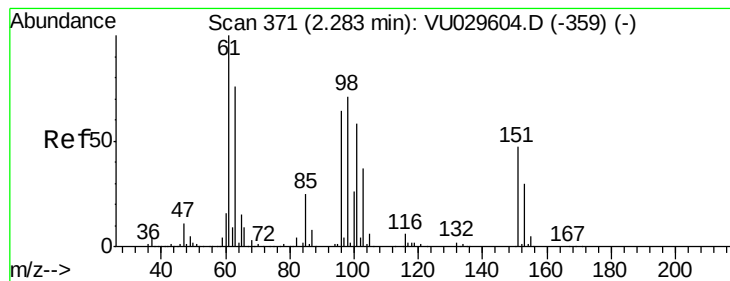
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#12

1,1-Dichloroethene

Concen: 45.516 ug/L

RT: 2.28 min Scan# 371

Delta R.T. -0.00 min

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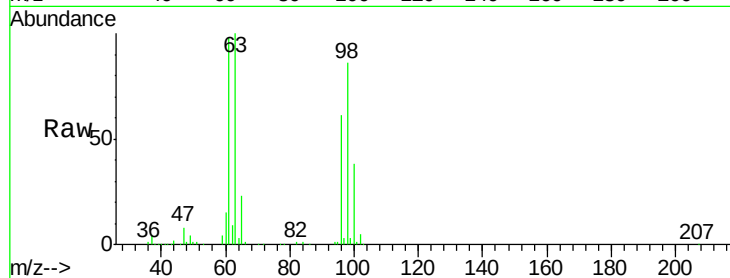
Tot Ion: 96 Resp: 70270

Ion Ratio Lower Upper

96 100

61 159.9 114.0 211.8

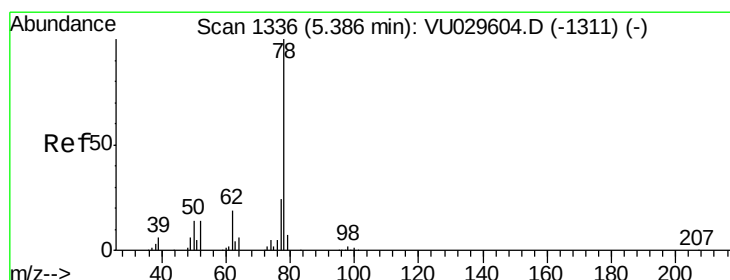
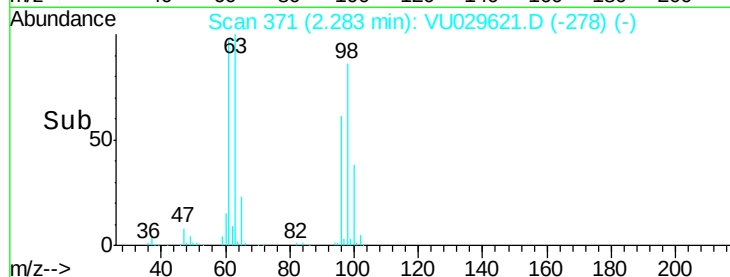
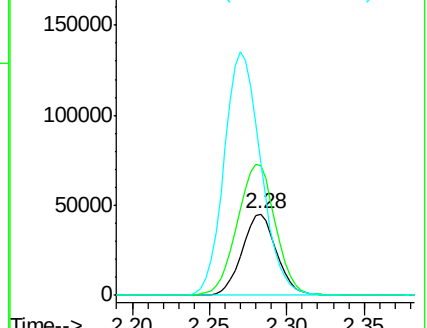
63 163.0 98.7 183.3



Abundance Ion 96.00 (95.70 to 96.70): VU0

Ion 61.00 (60.70 to 61.70): VU0

Ion 63.00 (62.70 to 63.70): VU0



#33

Benzene

Concen: 54.252 ug/L

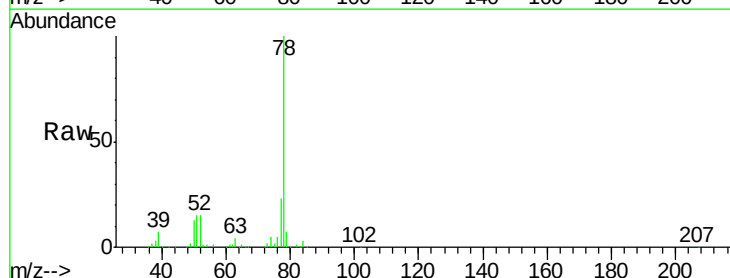
RT: 5.39 min Scan# 1336

Delta R.T. -0.00 min

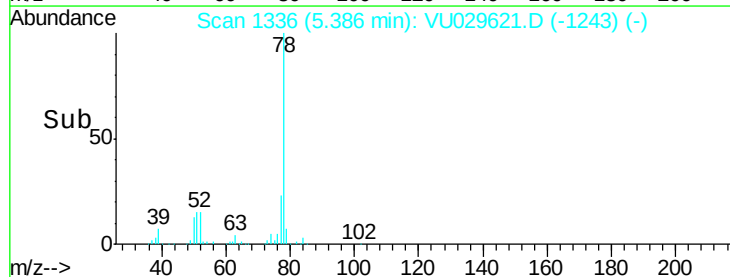
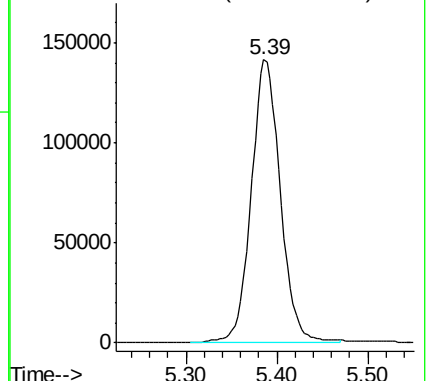
Lab File: VU029621.D

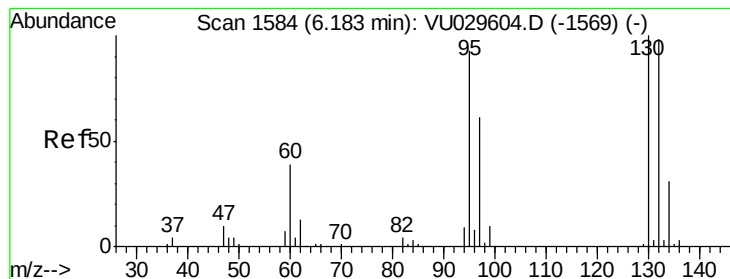
Acq: 22 Feb 2019 15:21

Tgt Ion: 78 Resp: 315221



Abundance Ion 78.00 (77.70 to 78.70): VU0





#34

Trichloroethene

Concen: 51.907 ug/L

RT: 6.18 min Scan# 1584

Delta R.T. -0.00 min

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Instrument :

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ClientSampleId :

DB617MS

Tot Ion: 95 Resp: 81247

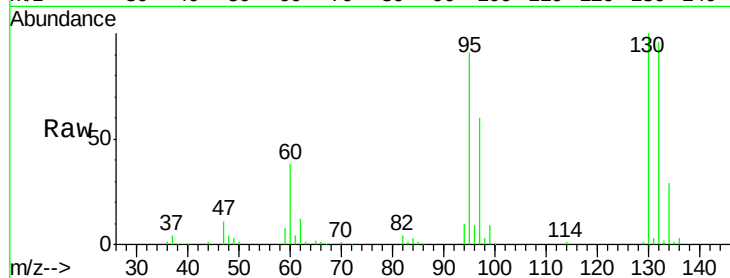
Ion Ratio Lower Upper

95 100

97 65.7 44.6 82.8

132 105.0 74.6 138.6

130 109.4 77.2 143.4

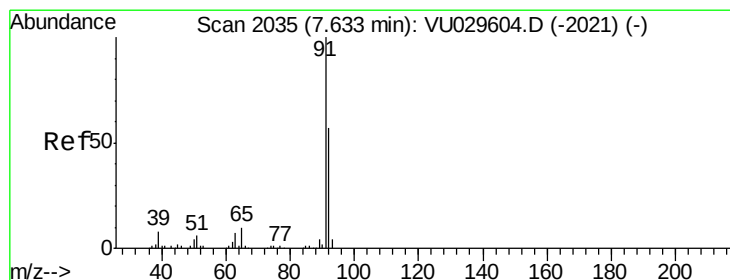
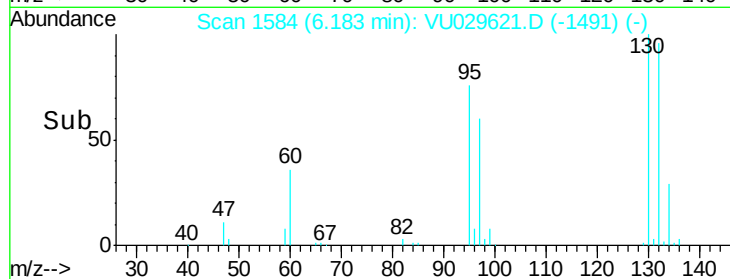
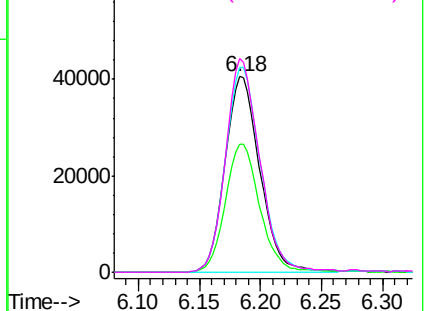


Abundance Ion 95.00 (94.70 to 95.70): VU0

Ion 97.00 (96.70 to 97.70): VU0

Ion 132.00 (131.70 to 132.70): V

Ion 130.00 (129.70 to 130.70): V



#42

Toluene

Concen: 51.666 ug/L

RT: 7.63 min Scan# 2035

Delta R.T. -0.00 min

Lab File: VU029621.D

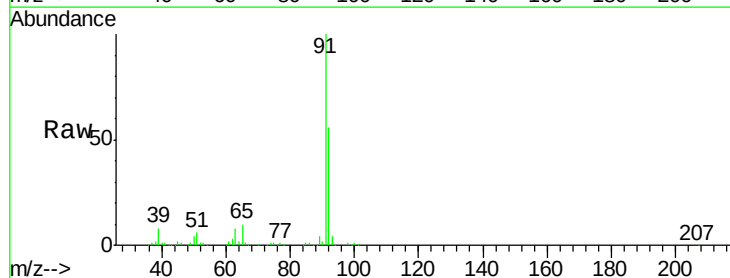
Acq: 22 Feb 2019 15:21

Tgt Ion: 91 Resp: 355013

Ion Ratio Lower Upper

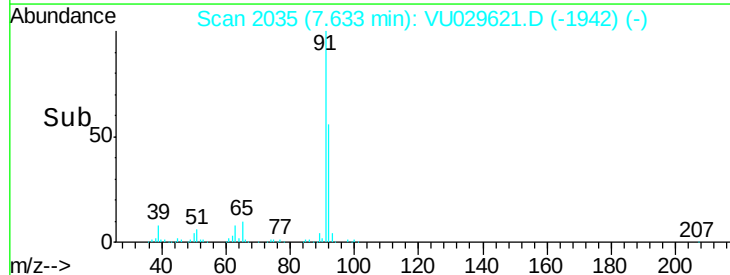
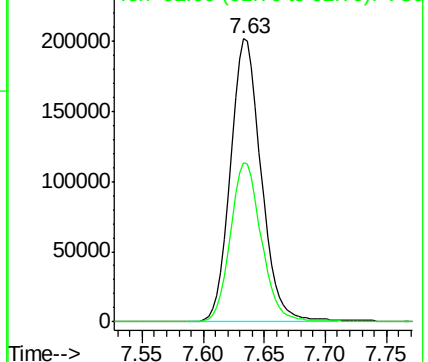
91 100

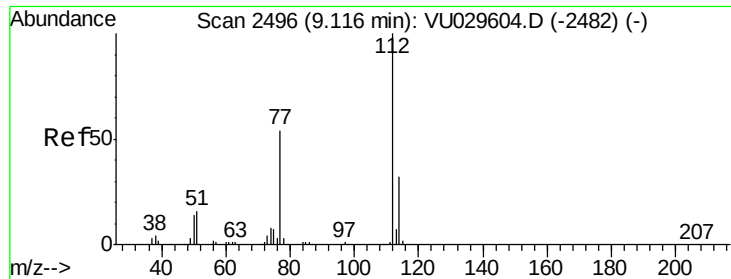
92 56.1 40.8 75.8



Abundance Ion 91.00 (90.70 to 91.70): VU0

Ion 92.00 (91.70 to 92.70): VU0





#51

Chlorobenzene

Concen: 49.585 ug/L

RT: 9.12 min Scan# 2496

Delta R.T. -0.00 min

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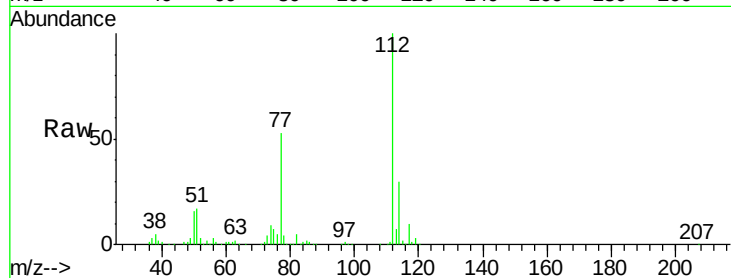
Tot Ion:112 Resp: 233848

Ion Ratio Lower Upper

112 100

114 30.4 22.7 42.1

77 53.1 42.1 63.1



Abundance Ion 112.00 (111.70 to 112.70): V

Ion 114.00 (113.70 to 114.70): V

Ion 77.00 (76.70 to 77.70): VU0

