

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV050619\
 Data File : VV010678.D
 Acq On : 06 May 2019 15:14
 Operator : SY/MD
 Sample : K2603-03MSD
 Misc : 5.02G/10ML/MSVOA V/SOIL
 ALS Vial : 1 Sample Multiplier: 1

Quant Time: May 07 04:28:54 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOM2VLM050219S.M
 Quant Title : VOC Analysis
 QLast Update : Tue May 07 04:01:38 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.67	114	86697	25.00	ug/L	0.00
28) Chlorobenzene-d5	8.90	117	86092	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.30	152	35942	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	15160	13.81	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	55.24%
7) Chloroethane-d5	1.58	69	12676	16.50	ug/L	0.02
Spiked Amount	25.000	Range	30 - 150	Recovery	=	66.00%
10) 1,1-Dichloroethene-d2	2.13	63	33110	17.20	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	68.80%
20) 2-Butanone-d5	3.94	46	9935	29.75	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	59.50%
24) Chloroform-d	4.40	84	47402	21.17	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	84.68%
26) 1,2-Dichloroethane-d4	5.08	65	25764	20.08	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	80.32%
29) Benzene-d6	5.10	84	99538	22.31	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	89.24%
33) 1,2-Dichloropropane-d6	6.12	67	30930	22.63	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	90.52%
37) Toluene-d8	7.36	98	93704	21.86	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	87.44%
38) trans-1,3-Dichloropropene-	7.67	79	10502	18.59	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	74.36%
39) 2-Hexanone-d5	8.13	63	7991	32.84	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	65.68%
48) 1,1,2,2-Tetrachloroethane-	10.26	84	23557	19.13	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	76.52%
61) 1,2-Dichlorobenzene-d4	11.67	152	34843	25.19	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	100.76%

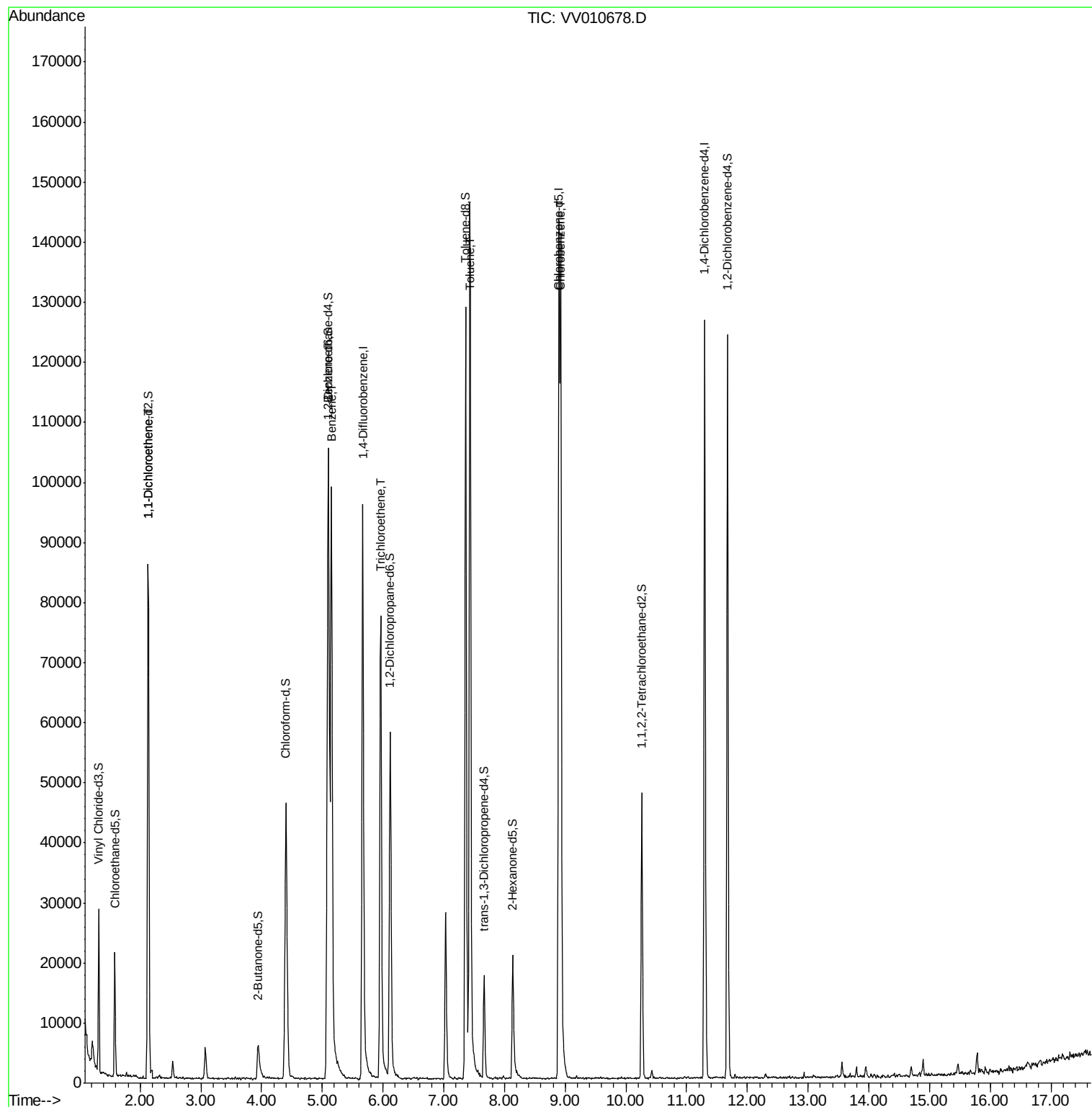
Target Compounds

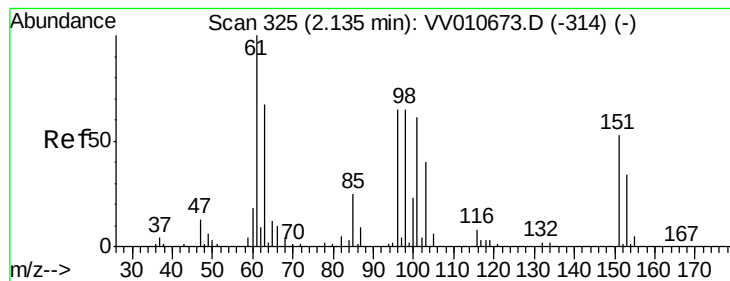
					Ovalue
12) 1,1-Dichloroethene	2.14	96	16639	19.977 ug/L	92
34) Benzene	5.15	78	101511	24.665 ug/L	100
35) Trichloroethene	5.96	95	27929	23.792 ug/L	97
44) Toluene	7.43	91	114390	25.184 ug/L	99
52) Chlorobenzene	8.93	112	79773	25.165 ug/L	97

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

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#12

1,1-Dichloroethene

Concen: 19.977 ug/L

RT: 2.14 min Scan# 326

Delta R.T. 0.00 min

Lab File: VV010678.D

Acq: 06 May 2019 15:14

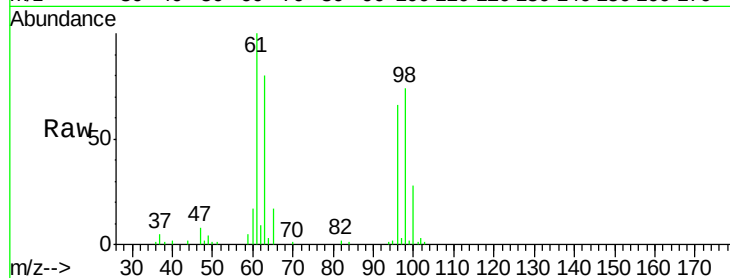
Tot Ion: 96 Resp: 16639

Ion Ratio Lower Upper

96 100

61 152.2 111.1 206.3

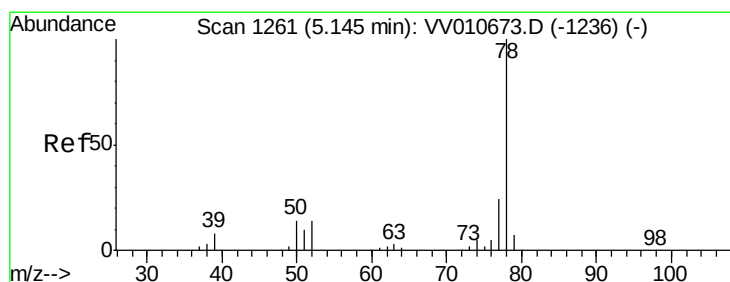
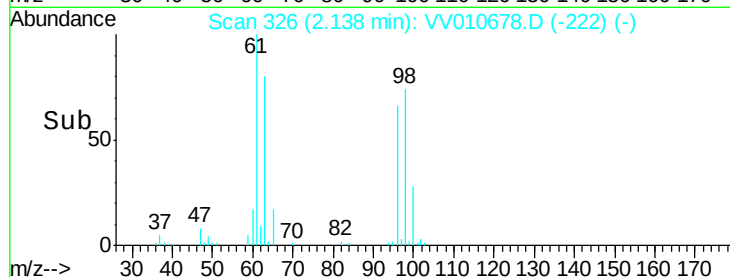
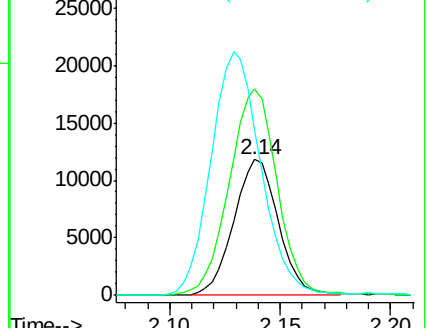
63 121.9 95.2 176.8



Abundance Ion 96.00 (95.70 to 96.70): VV0

Ion 61.00 (60.70 to 61.70): VV0

Ion 63.00 (62.70 to 63.70): VV0



#34

Benzene

Concen: 24.665 ug/L

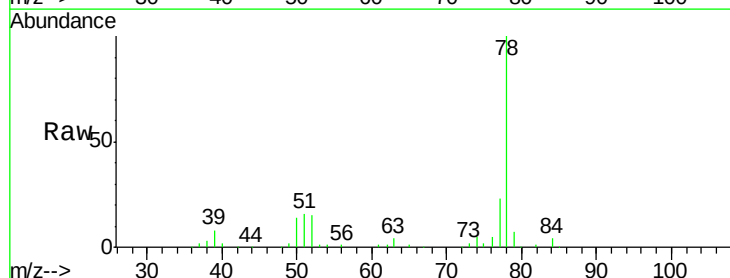
RT: 5.15 min Scan# 1262

Delta R.T. 0.00 min

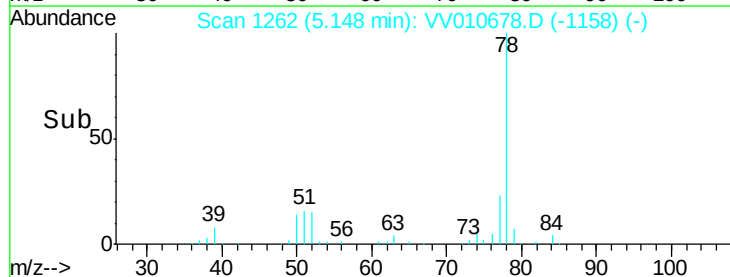
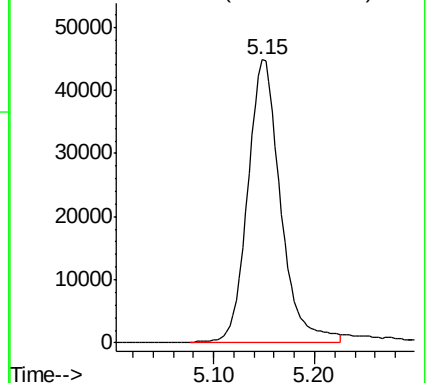
Lab File: VV010678.D

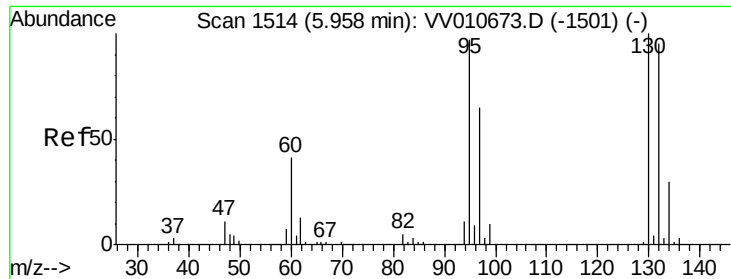
Acq: 06 May 2019 15:14

Tgt Ion: 78 Resp: 101511



Abundance Ion 78.00 (77.70 to 78.70): VV0





#35

Trichloroethene

Concen: 23.792 ug/L

RT: 5.96 min Scan# 1515

Delta R.T. 0.00 min

Lab File: VV010678.D

Acq: 06 May 2019 15:14

Tot Ion: 95 Resp: 27929

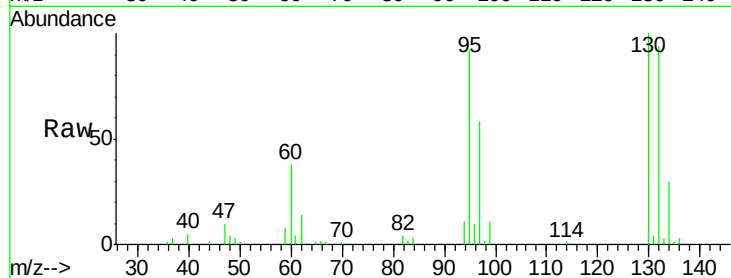
Ion Ratio Lower Upper

95 100

97 63.5 45.0 83.6

132 102.3 69.9 129.9

130 107.1 71.3 132.3

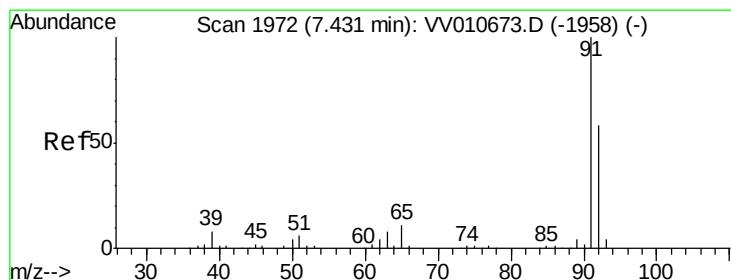
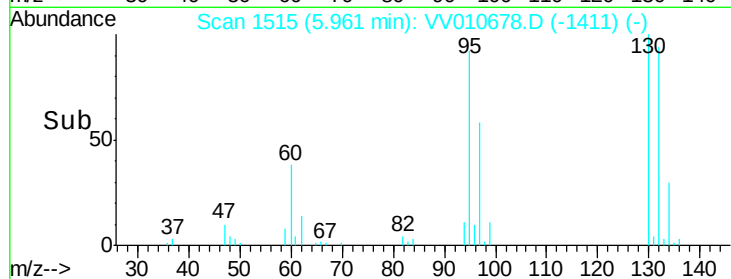
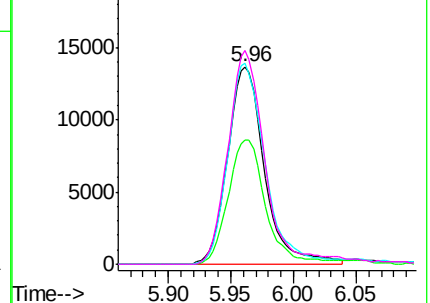


Abundance Ion 95.00 (94.70 to 95.70): VV0

Ion 97.00 (96.70 to 97.70): VV0

Ion 132.00 (131.70 to 132.70): VV0

Ion 130.00 (129.70 to 130.70): VV0



#44

Toluene

Concen: 25.184 ug/L

RT: 7.43 min Scan# 1972

Delta R.T. -0.00 min

Lab File: VV010678.D

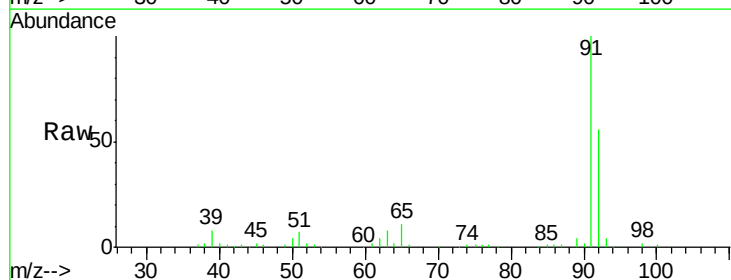
Acq: 06 May 2019 15:14

Tgt Ion: 91 Resp: 114390

Ion Ratio Lower Upper

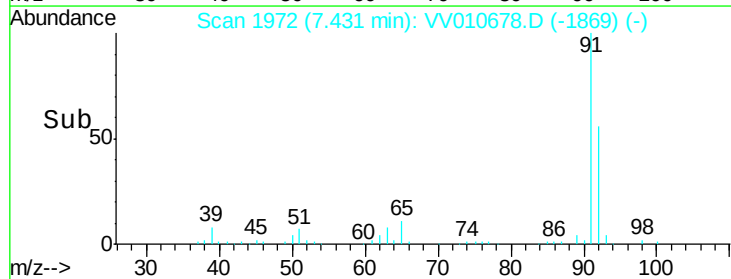
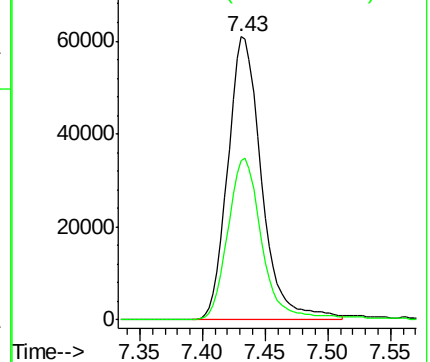
91 100

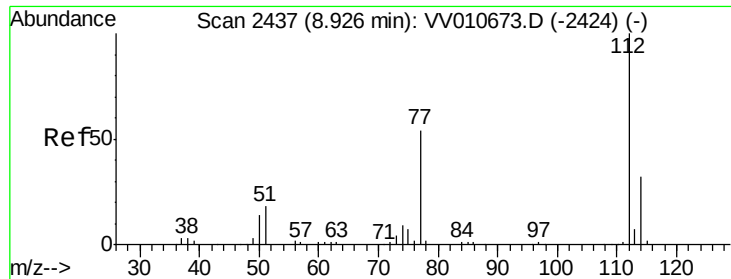
92 56.3 40.1 74.5



Abundance Ion 91.00 (90.70 to 91.70): VV0

Ion 92.00 (91.70 to 92.70): VV0





#52

Chlorobenzene

Concen: 25.165 ug/L

RT: 8.93 min Scan# 2437

Delta R.T. -0.00 min

Lab File: VV010678.D

Acq: 06 May 2019 15:14

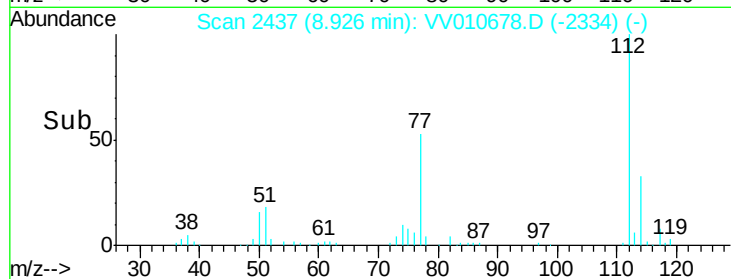
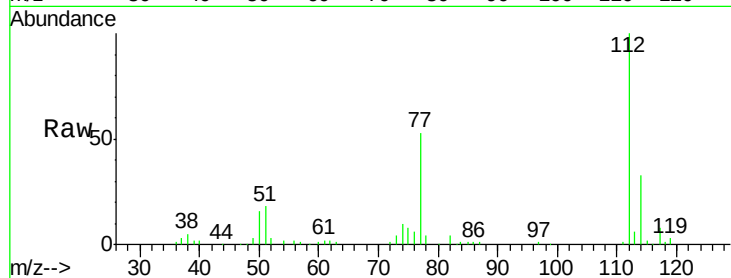
Tot Ion:112 Resp: 79773

Ion Ratio Lower Upper

112 100

77 53.2 44.5 66.7

114 33.0 22.5 41.7



Abundance Ion 112.00 (111.70 to 112.70): V

Ion 77.00 (76.70 to 77.70): VV0

Ion 114.00 (113.70 to 114.70): V

