

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV050619\
 Data File : VV010685.D
 Acq On : 06 May 2019 19:08
 Operator : SY/MD
 Sample : K2633-03MSD
 Misc : 5.03G/10ML/MSVOA V/SOIL
 ALS Vial : 1 Sample Multiplier: 1

Quant Time: May 07 04:51:51 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	89226	25.00	ug/L	0.00
28) Chlorobenzene-d5	8.90	117	82784	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.30	152	39756	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	13947	12.35	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	49.40%
7) Chloroethane-d5	1.58	69	10468	13.24	ug/L	0.01
Spiked Amount	25.000	Range	30 - 150	Recovery	=	52.96%
10) 1,1-Dichloroethene-d2	2.13	63	30801	15.55	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	62.20%
20) 2-Butanone-d5	3.94	46	10549	30.69	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	61.38%
24) Chloroform-d	4.40	84	46114	20.01	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	80.04%
26) 1,2-Dichloroethane-d4	5.08	65	24359	18.44	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	73.76%
29) Benzene-d6	5.10	84	93066	21.69	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	86.76%
33) 1,2-Dichloropropane-d6	6.12	67	29086	22.13	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	88.52%
37) Toluene-d8	7.36	98	88057	21.36	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	85.44%
38) trans-1,3-Dichloropropene-	7.66	79	10039	18.48	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	73.92%
39) 2-Hexanone-d5	8.14	63	9168	39.18	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	78.36%
48) 1,1,2,2-Tetrachloroethane-	10.26	84	23469	19.81	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	79.24%
61) 1,2-Dichlorobenzene-d4	11.67	152	35737	23.36	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	93.44%

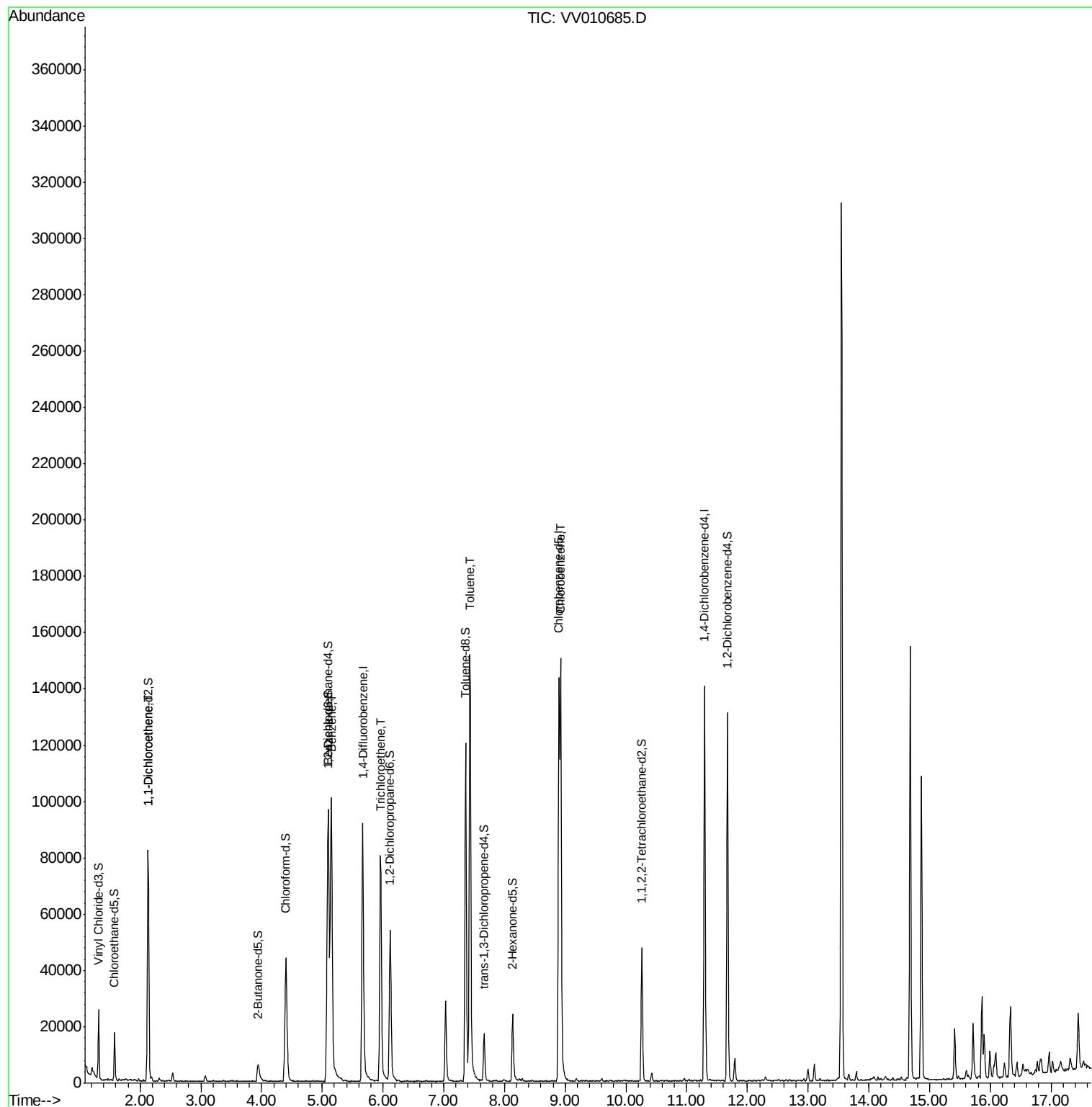
Target Compounds

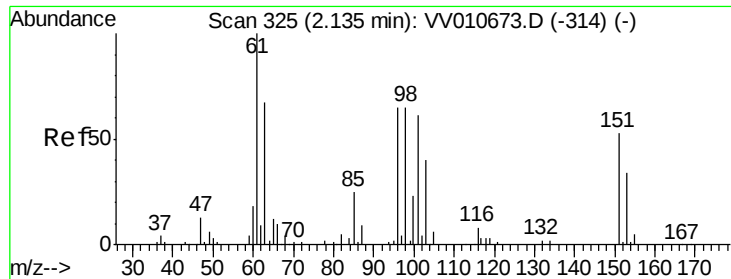
					Ovalue
12) 1,1-Dichloroethene	2.14	96	16743	19.532	ug/L 97
34) Benzene	5.15	78	102033	25.783	ug/L 100
35) Trichloroethene	5.96	95	29308	25.964	ug/L 98
44) Toluene	7.43	91	119832	27.437	ug/L 99
52) Chlorobenzene	8.93	112	81629	26.779	ug/L 98

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

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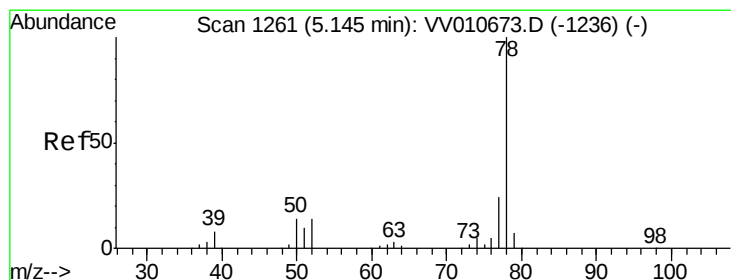
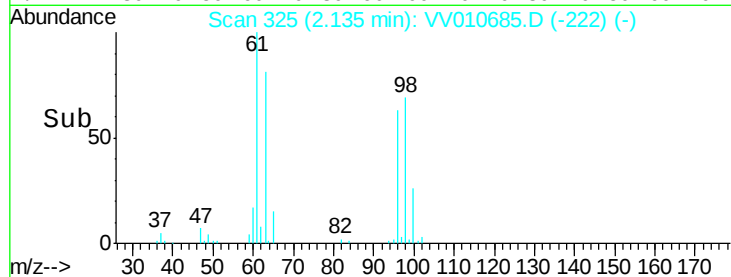
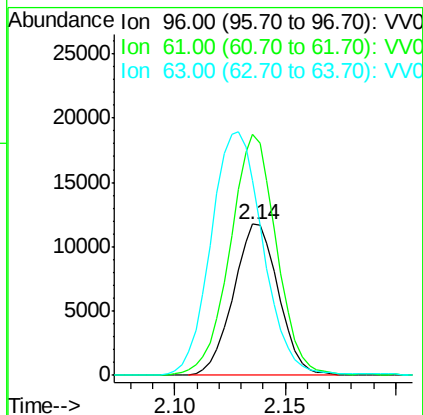
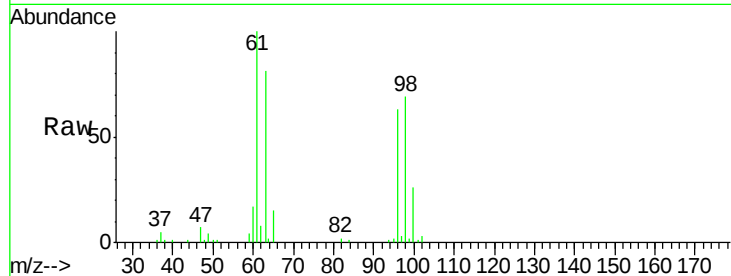
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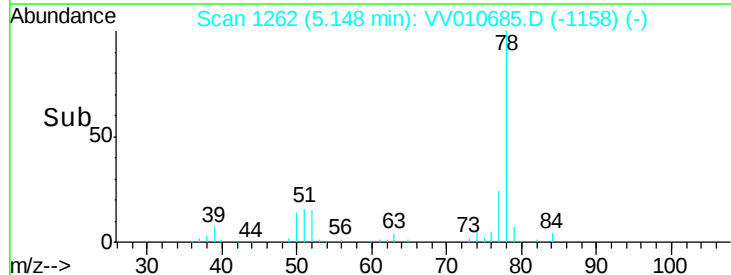
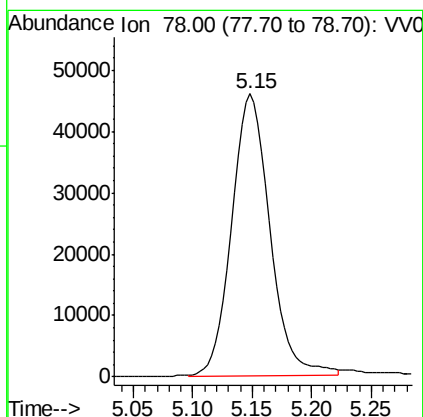
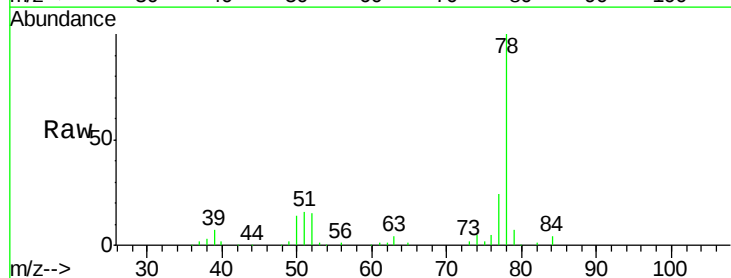
#12
 1,1-Dichloroethene
 Concen: 19.532 ug/L
 RT: 2.14 min Scan# 325
 Delta R.T. -0.00 min
 Lab File: VV010685.D
 Acq: 06 May 2019 19:08

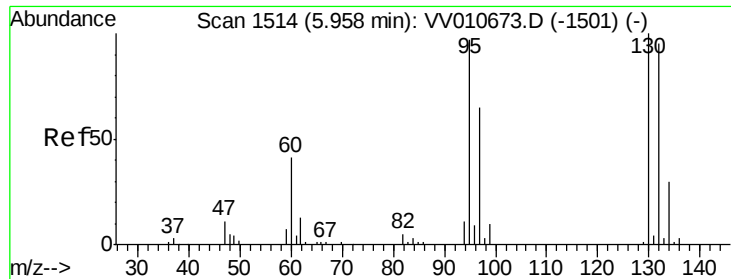
Tot Ion: 96 Resp: 16743
 Ion Ratio Lower Upper
 96 100
 61 159.6 111.1 206.3
 63 129.4 95.2 176.8



#34
 Benzene
 Concen: 25.783 ug/L
 RT: 5.15 min Scan# 1262
 Delta R.T. 0.00 min
 Lab File: VV010685.D
 Acq: 06 May 2019 19:08

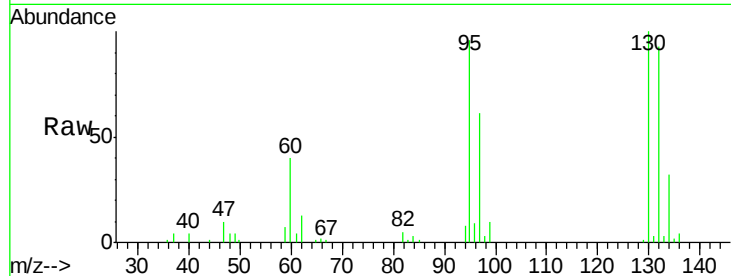
Tgt Ion: 78 Resp: 102033



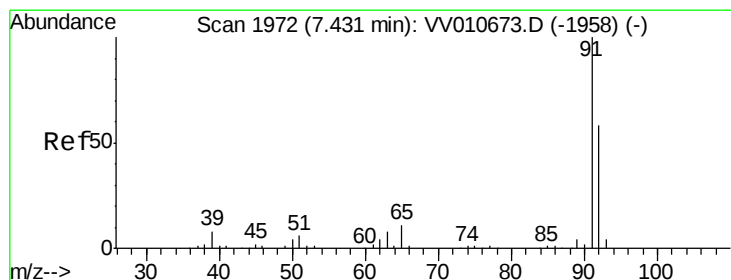
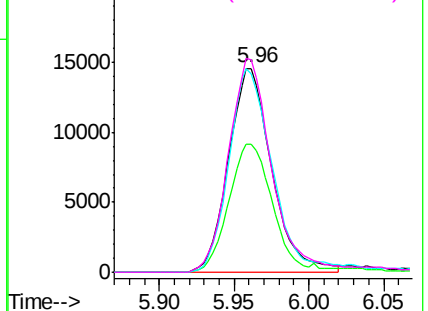
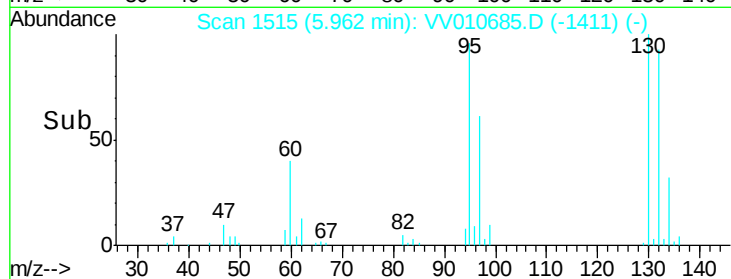


#35
 Trichloroethene
 Concen: 25.964 ug/L
 RT: 5.96 min Scan# 1515
 Delta R.T. 0.00 min
 Lab File: VV010685.D
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Tot Ion: 95 Resp: 29308
 Ion Ratio Lower Upper
 95 100
 97 62.5 45.0 83.6
 132 99.8 69.9 129.9
 130 104.8 71.3 132.3

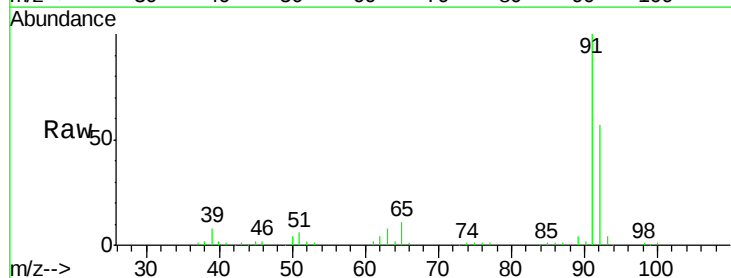


Abundance Ion 95.00 (94.70 to 95.70): VV0
 Ion 97.00 (96.70 to 97.70): VV0
 Ion 132.00 (131.70 to 132.70): VV0
 Ion 130.00 (129.70 to 130.70): VV0

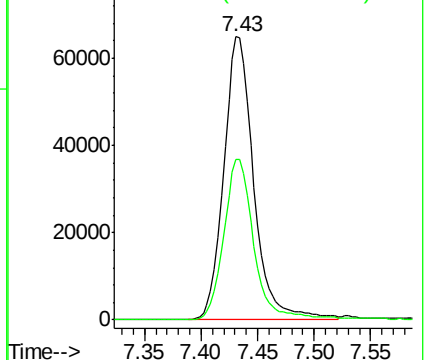
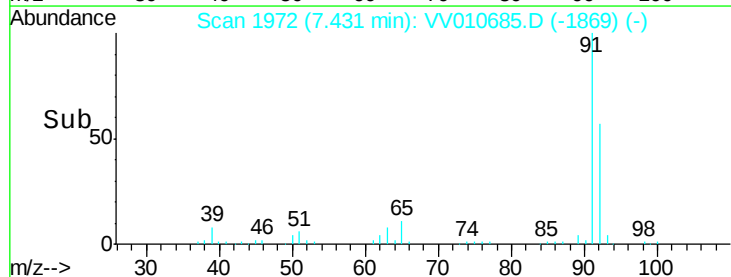


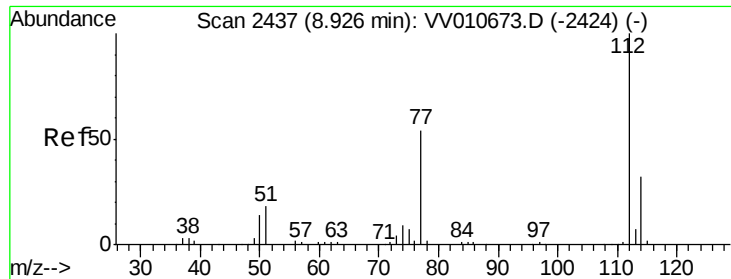
#44
 Toluene
 Concen: 27.437 ug/L
 RT: 7.43 min Scan# 1972
 Delta R.T. -0.00 min
 Lab File: VV010685.D
 Acq: 06 May 2019 19:08

Tgt Ion: 91 Resp: 119832
 Ion Ratio Lower Upper
 91 100
 92 56.7 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: 26.779 ug/L

RT: 8.93 min Scan# 2437

Delta R.T. -0.00 min

Lab File: VV010685.D

Acq: 06 May 2019 19:08

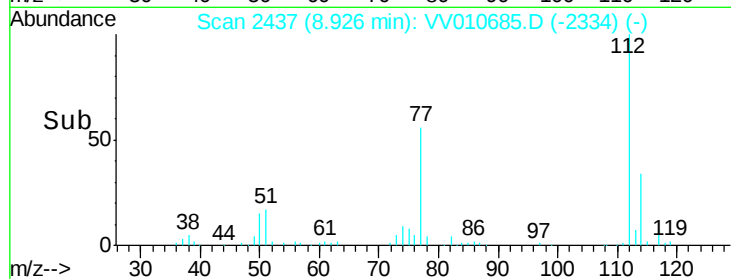
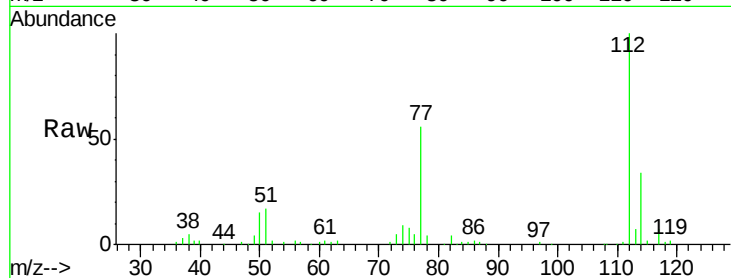
Tot Ion:112 Resp: 81629

Ion Ratio Lower Upper

112 100

77 56.0 44.5 66.7

114 34.0 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

