

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU122118\
 Data File : VU028887.D
 Acq On : 21 Dec 2018 20:39
 Operator : MD/SY
 Sample : J6509-02MS
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 29 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 ETO80MS

Quant Time: Dec 22 03:17:11 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM122018WMA.M
 Quant Title : VOC Analysis
 QLast Update : Sat Dec 22 01:55:05 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.88	114	176113	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.09	117	165345	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.48	152	68043	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.40	65	62244	44.09	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	88.18%
7) Chloroethane-d5	1.66	69	50702	46.49	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	92.98%
11) 1,1-Dichloroethene-d2	2.27	63	91722	38.63	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	77.26%
21) 2-Butanone-d5	4.18	46	115985	117.25	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	117.25%
24) Chloroform-d	4.65	84	108547	48.89	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	97.78%
26) 1,2-Dichloroethane-d4	5.31	65	69657	50.90	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	101.80%
32) Benzene-d6	5.34	84	240042	51.39	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	102.78%
36) 1,2-Dichloropropane-d6	6.33	67	84546	53.28	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	106.56%
41) Toluene-d8	7.56	98	209919	49.59	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	99.18%
43) trans-1,3-Dichloropropene-	7.85	79	35713	50.22	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	100.44%
47) 2-Hexanone-d5	8.31	63	89904	119.28	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	119.28%
57) 1,1,2,2-Tetrachloroethane-	10.43	84	112756	51.22	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	102.44%
64) 1,2-Dichlorobenzene-d4	11.86	152	75028	54.52	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	109.04%

Target Compounds

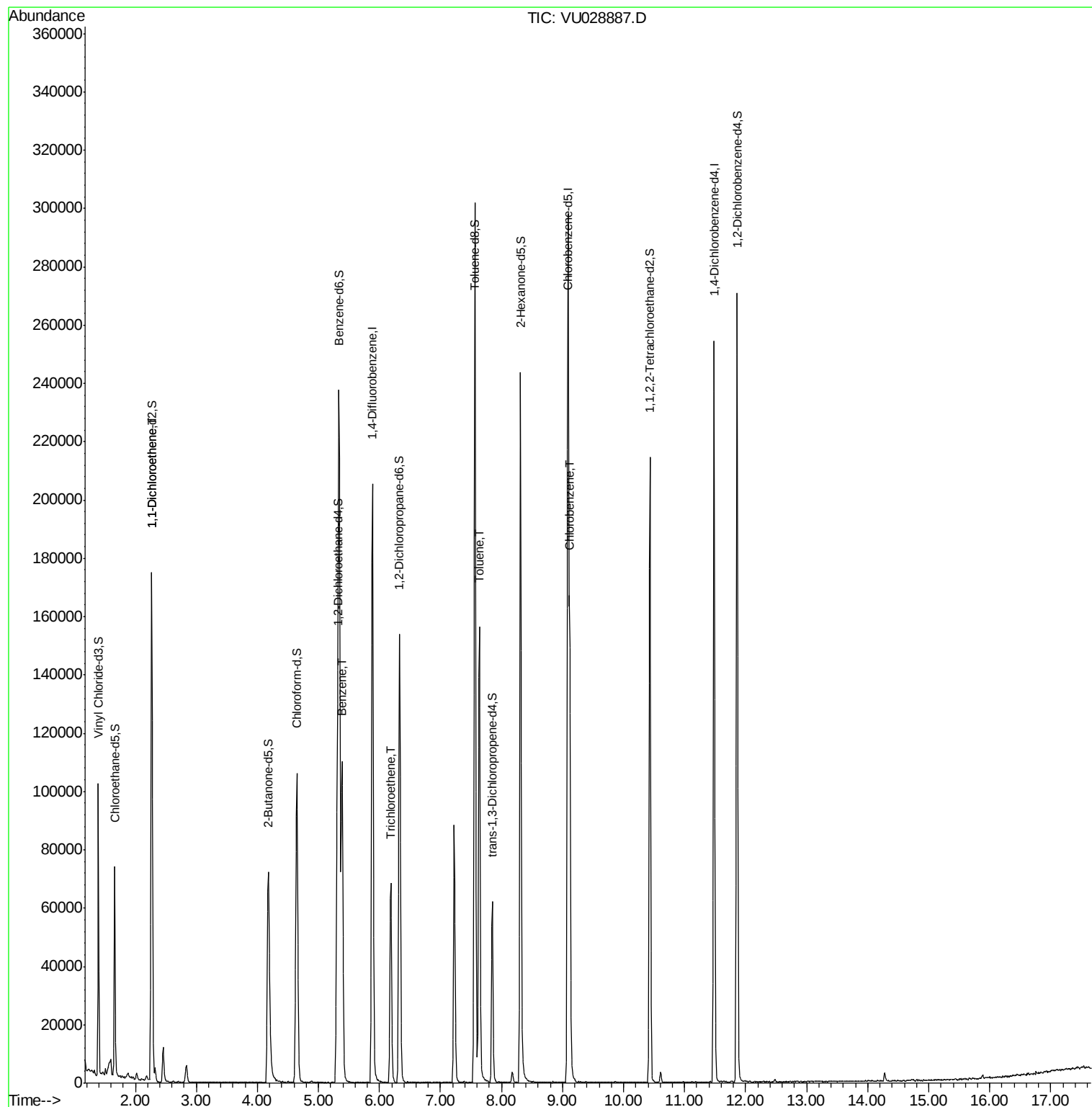
Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
12) 1,1-Dichloroethene	2.28	96	17648	15.629	ug/L	# 40
33) Benzene	5.39	78	111769	21.233	ug/L	100
34) Trichloroethene	6.19	95	25384	19.974	ug/L	98
42) Toluene	7.64	91	119049	22.310	ug/L	99
51) Chlorobenzene	9.12	112	84427	25.105	ug/L	98

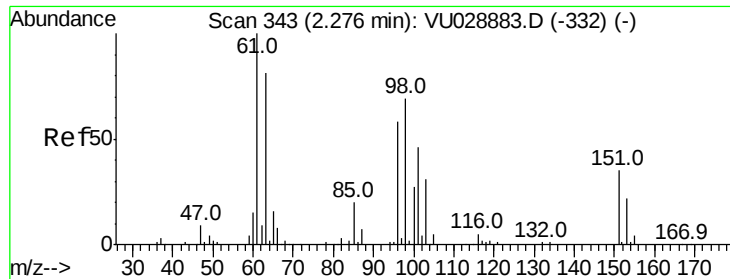
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#12

1,1-Dichloroethene

Concen: 15.629 ug/L

RT: 2.28 min Scan# 343

Delta R.T. 0.00 min

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ETO80MS

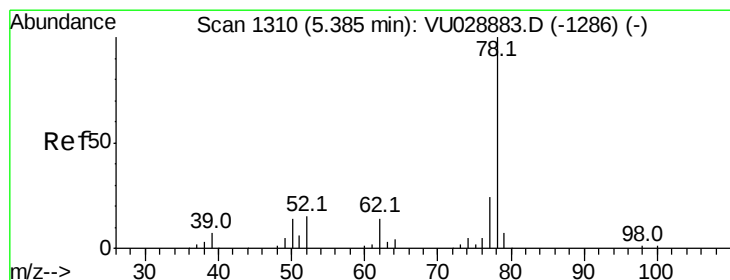
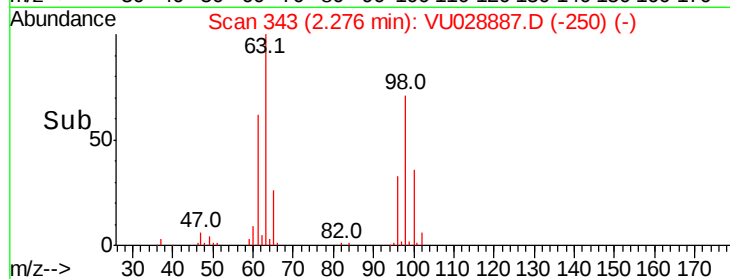
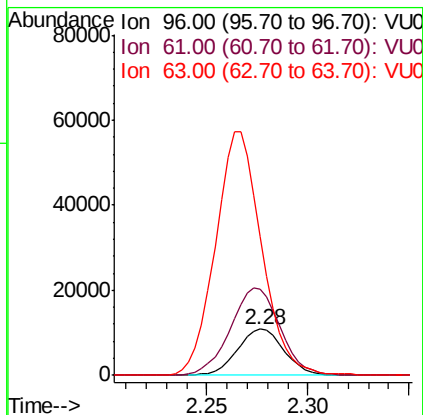
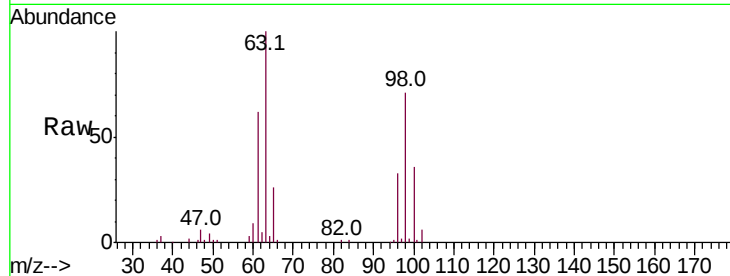
Tot Ion: 96 Resp: 17648

Ion Ratio Lower Upper

96 100

61 186.4 119.3 221.5

63 298.6 107.4 199.6#



#33

Benzene

Concen: 21.233 ug/L

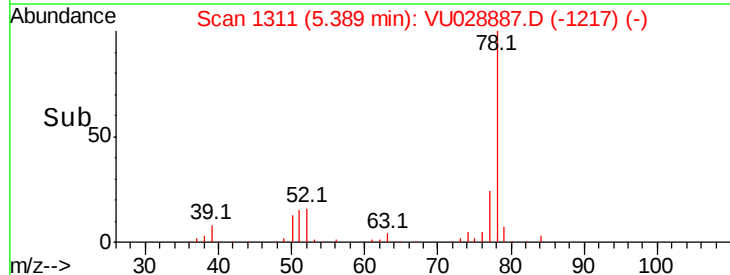
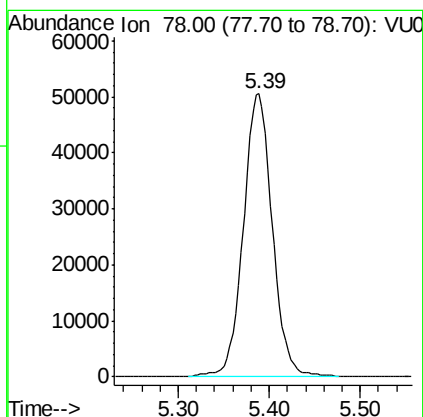
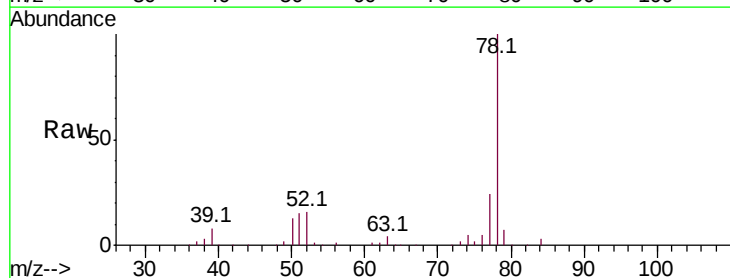
RT: 5.39 min Scan# 1311

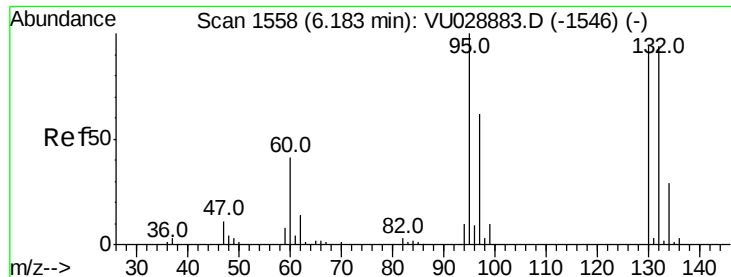
Delta R.T. 0.00 min

Lab File: VU028887.D

Acq: 21 Dec 2018 20:39

Tgt Ion: 78 Resp: 111769

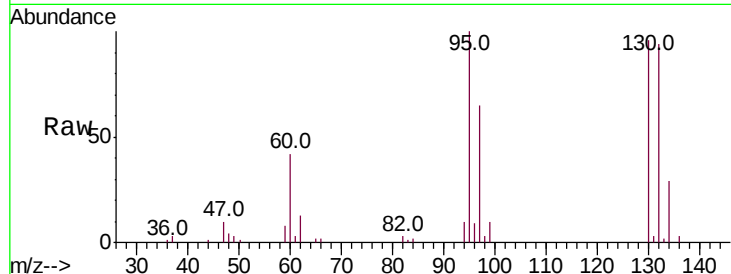




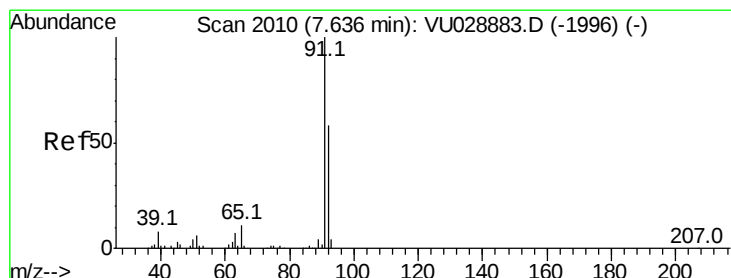
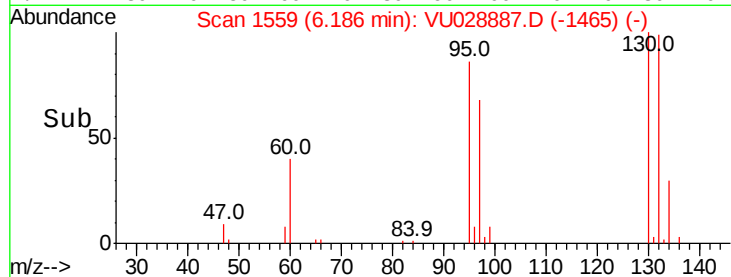
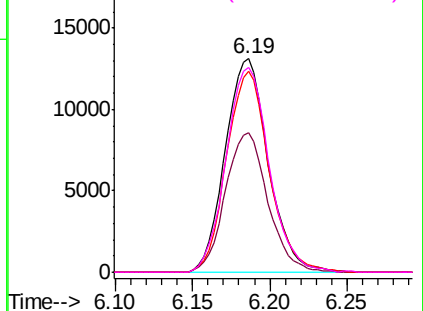
#34
 Trichloroethene
 Concen: 19.974 ug/L
 RT: 6.19 min Scan# 1559
 Delta R.T. 0.00 min
 Lab File: VU028887.D
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Tot Ion: 95 Resp: 25384
 Ion Ratio Lower Upper
 95 100
 97 65.2 43.3 80.3
 132 94.2 64.2 119.2
 130 95.7 67.1 124.7

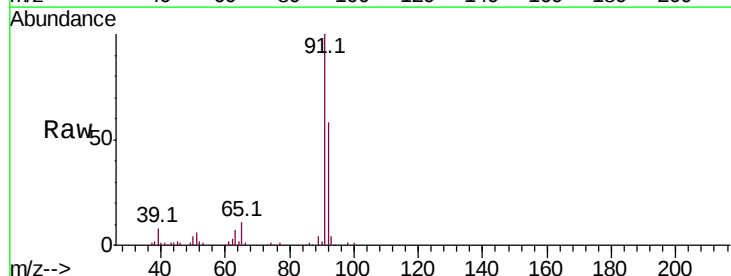


Abundance Ion 95.00 (94.70 to 95.70): VU0
 Ion 97.00 (96.70 to 97.70): VU0
 Ion 132.00 (131.70 to 132.70): V
 Ion 130.00 (129.70 to 130.70): V

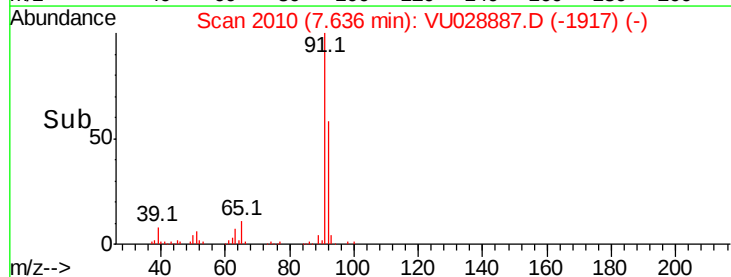
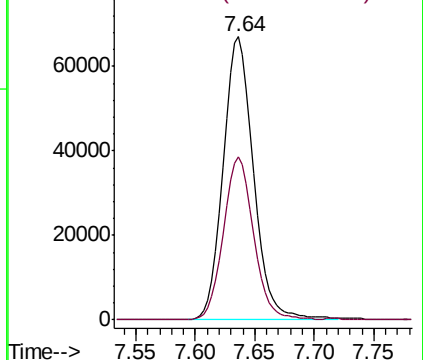


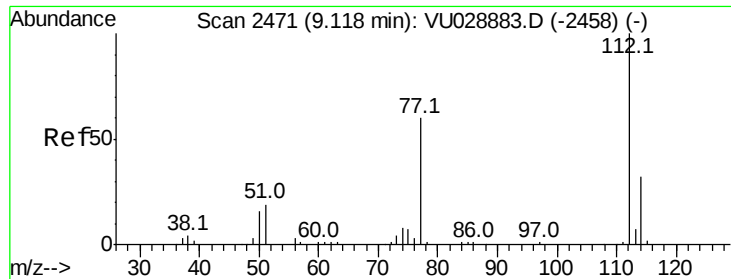
#42
 Toluene
 Concen: 22.310 ug/L
 RT: 7.64 min Scan# 2010
 Delta R.T. 0.00 min
 Lab File: VU028887.D
 Acq: 21 Dec 2018 20:39

Tgt Ion: 91 Resp: 119049
 Ion Ratio Lower Upper
 91 100
 92 57.6 39.9 74.1



Abundance Ion 91.00 (90.70 to 91.70): VU0
 Ion 92.00 (91.70 to 92.70): VU0





#51

Chlorobenzene

Concen: 25.105 ug/L

RT: 9.12 min Scan# 2471

Delta R.T. 0.00 min

Lab File: VU028887.D

Acq: 21 Dec 2018 20:39

Instrument :

MSVOA_U

ClientSampleId :

ETO80MS

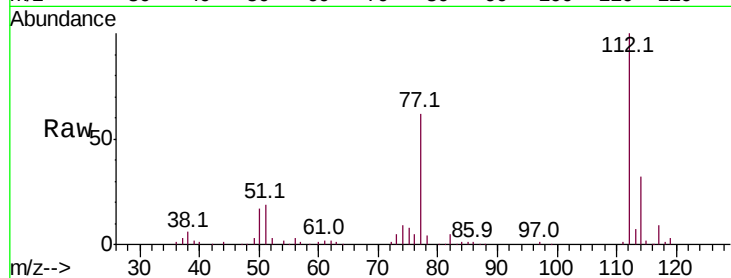
Tot Ion:112 Resp: 84427

Ion Ratio Lower Upper

112 100

114 31.6 22.2 41.2

77 61.5 47.8 71.8



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

