

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU042820\
 Data File : VU037894.D
 Acq On : 28 Apr 2020 22:00
 Operator : JC/MD
 Sample : L2395-17 500X
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 20 Sample Multiplier: 1

Quant Time: Apr 29 06:55:13 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM042320WMA.M
 Quant Title : VOC Analysis
 QLast Update : Wed Apr 29 04:16:23 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	6.28	114	594288	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.44	117	579455	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.83	152	265805	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.61	65	202866	39.07	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	78.14%
7) Chloroethane-d5	1.93	69	186359	46.31	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	92.62%
11) 1,1-Dichloroethene-d2	2.59	63	281843	33.53	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	67.06%
21) 2-Butanone-d5	4.66	46	426869	103.75	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	103.75%
24) Chloroform-d	5.10	84	392231	49.59	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	99.18%
26) 1,2-Dichloroethane-d4	5.74	65	280793	51.27	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	102.54%
32) Benzene-d6	5.76	84	834394	50.92	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	101.84%
36) 1,2-Dichloropropane-d6	6.72	67	282729	51.59	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	103.18%
41) Toluene-d8	7.92	98	747031	49.60	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	99.20%
43) trans-1,3-Dichloropropene-	8.20	79	125254	44.40	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	88.80%
47) 2-Hexanone-d5	8.65	63	327835	109.88	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	109.88%
57) 1,1,2,2-Tetrachloroethane-	10.77	84	404673	53.07	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	106.14%
64) 1,2-Dichlorobenzene-d4	12.20	152	277354	53.63	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	107.26%

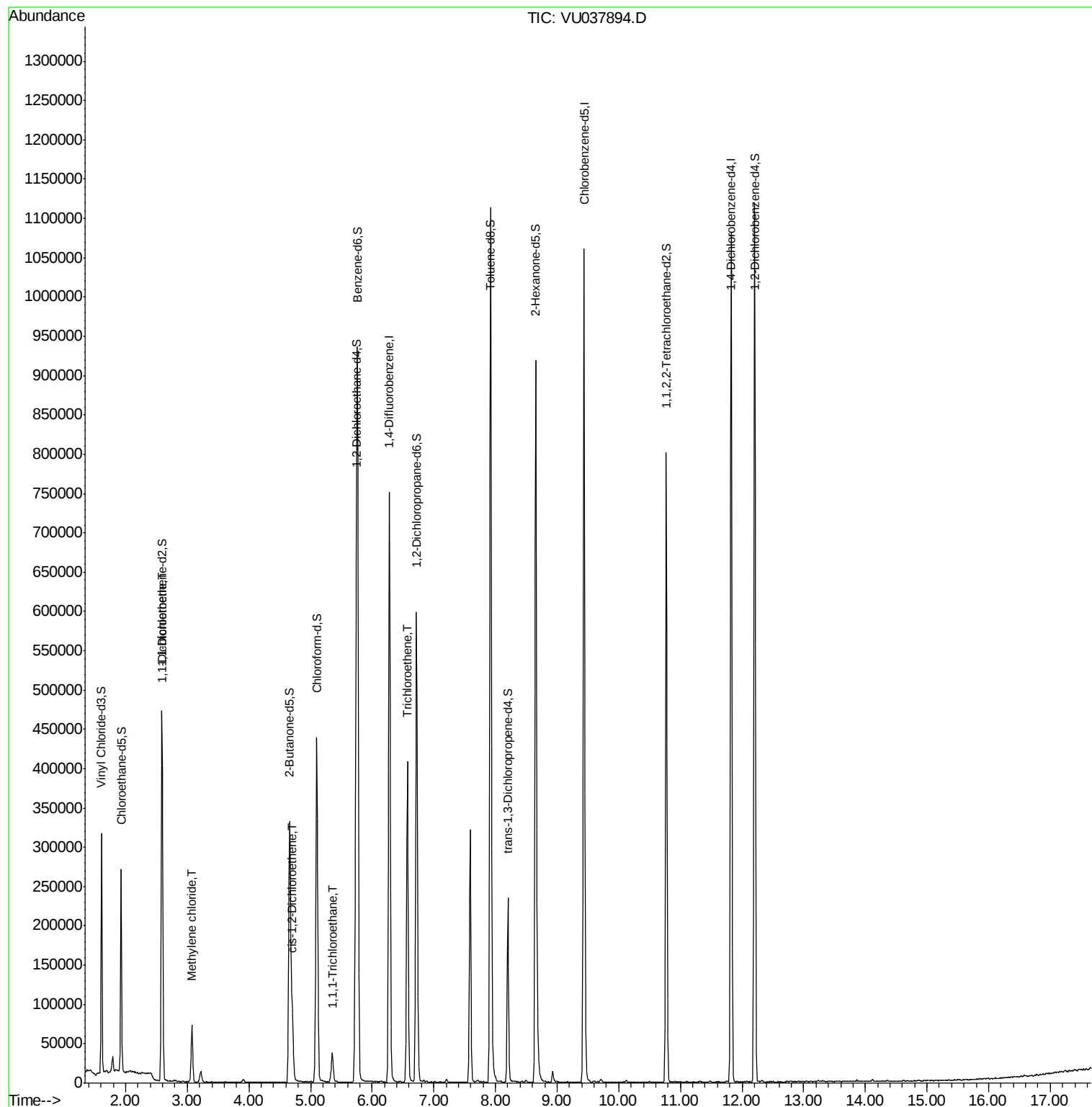
Target Compounds

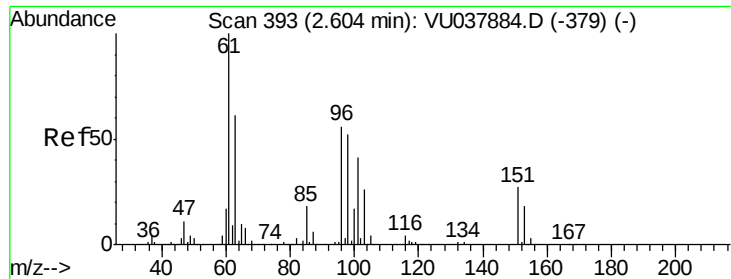
					Ovalue
12) 1,1-Dichloroethene	2.60	96	12163	3.371 ug/L	# 1
16) Methylene chloride	3.08	84	31882	7.437 ug/L	95
20) cis-1,2-Dichloroethene	4.71	96	36312	8.221 ug/L	96
30) 1,1,1-Trichloroethane	5.36	97	26455	4.088 ug/L	99
34) Trichloroethene	6.57	95	136553	31.653 ug/L	98

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

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#12

1,1-Dichloroethene

Concen: 3.371 ug/L

RT: 2.60 min Scan# 393

Delta R.T. -0.00 min

Lab File: VU037894.D

Acq: 28 Apr 2020 22:00

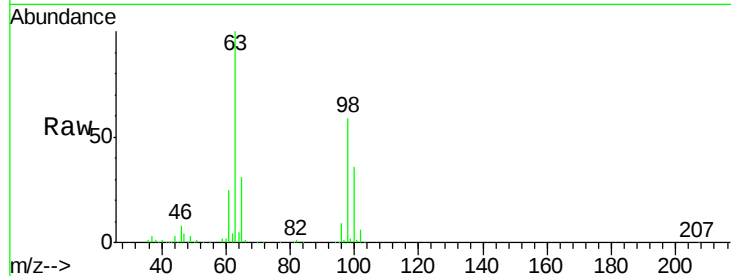
Tot Ion: 96 Resp: 12163

Ion Ratio Lower Upper

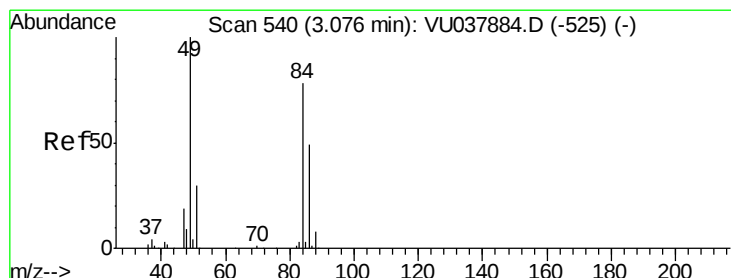
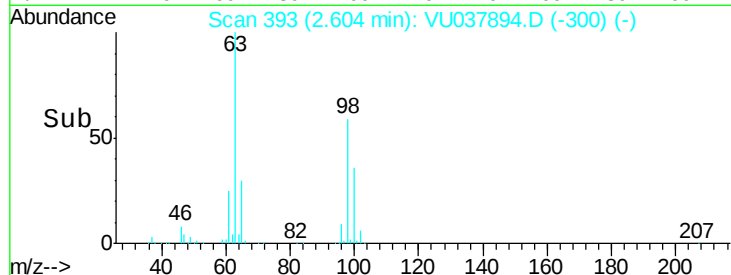
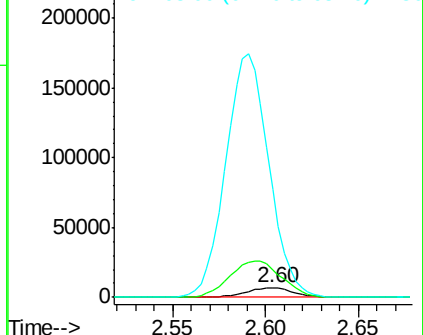
96 100

61 289.2 134.1 249.0#

63 1135.4 96.5 179.1#



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



#16

Methylene chloride

Concen: 7.437 ug/L

RT: 3.08 min Scan# 540

Delta R.T. -0.00 min

Lab File: VU037894.D

Acq: 28 Apr 2020 22:00

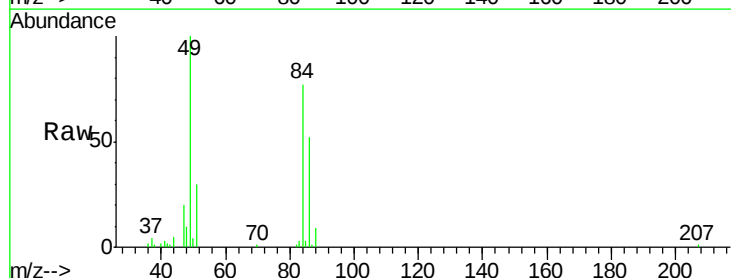
Tgt Ion: 84 Resp: 31882

Ion Ratio Lower Upper

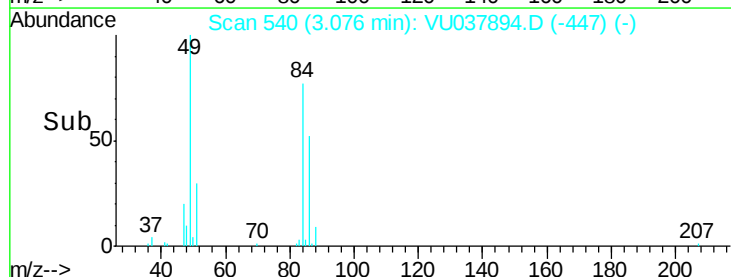
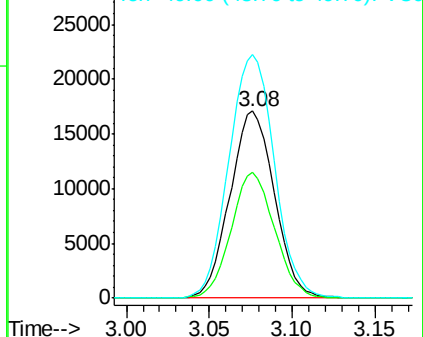
84 100

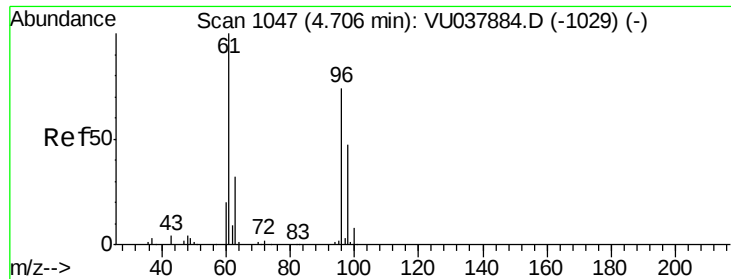
86 67.1 43.5 80.7

49 130.1 95.1 176.7



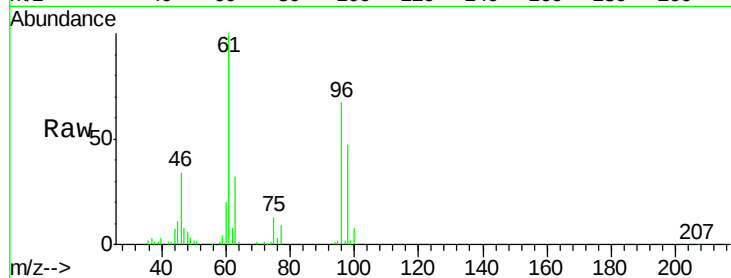
Abundance Ion 84.00 (83.70 to 84.70): VU0
Ion 86.00 (85.70 to 86.70): VU0
Ion 49.00 (48.70 to 49.70): VU0



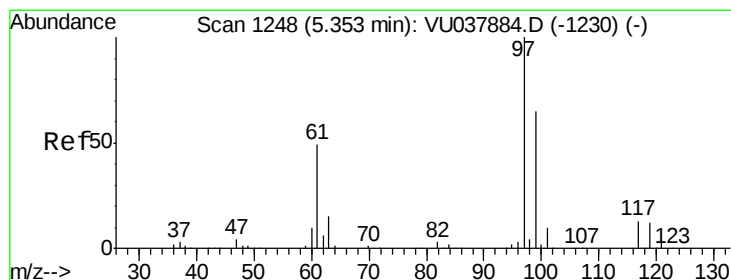
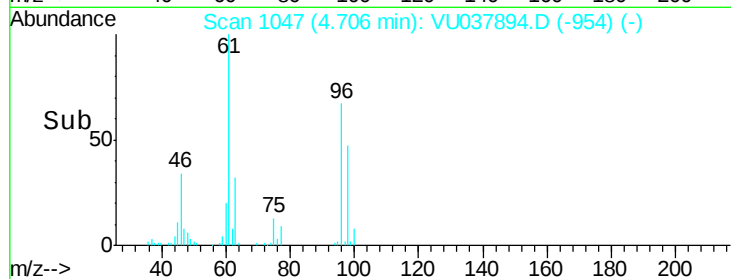
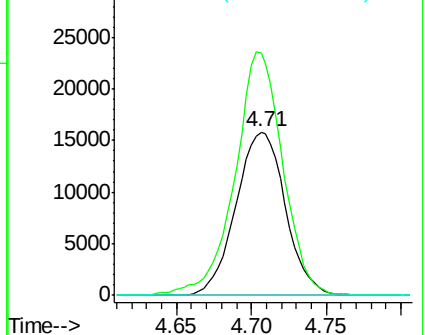


#20
 cis-1,2-Dichloroethene
 Concen: 8.221 ug/L
 RT: 4.71 min Scan# 1047
 Delta R.T. -0.00 min
 Lab File: VU037894.D
 Acq: 28 Apr 2020 22:00

Tot Ion: 96 Resp: 36312
 Ion Ratio Lower Upper
 96 100
 61 148.7 100.4 186.4
 68 0.0 0.0 0.0

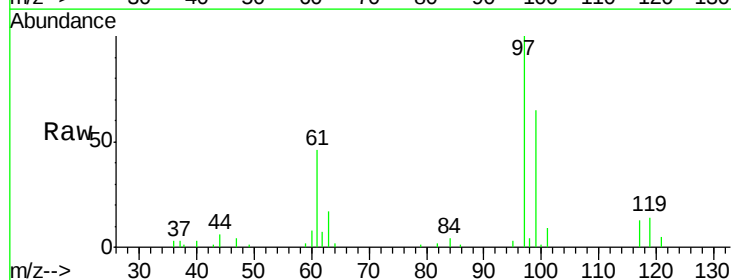


Abundance Ion 96.00 (95.70 to 96.70): VU0
 Ion 61.00 (60.70 to 61.70): VU0
 Ion 68.00 (67.70 to 68.70): VU0

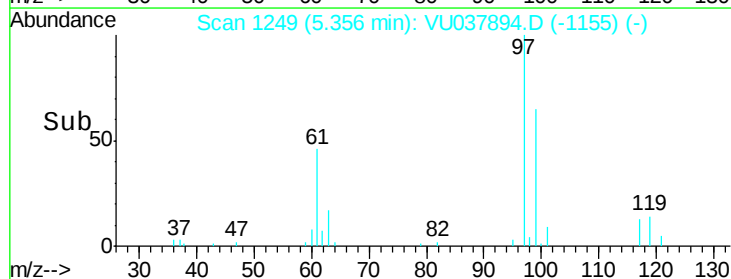
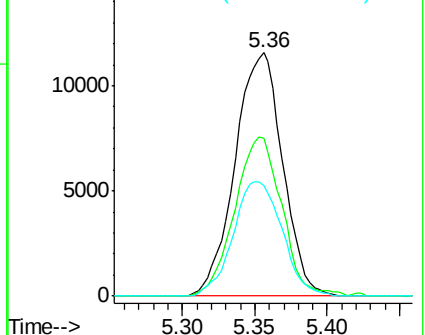


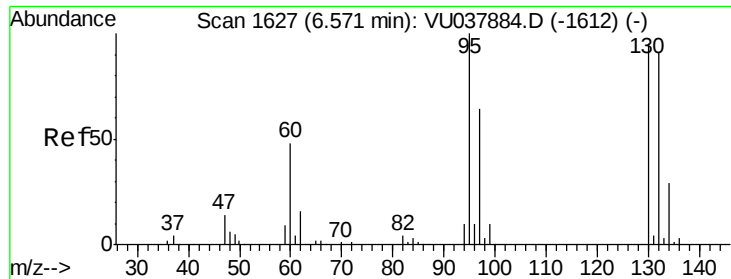
#30
 1,1,1-Trichloroethane
 Concen: 4.088 ug/L
 RT: 5.36 min Scan# 1249
 Delta R.T. 0.00 min
 Lab File: VU037894.D
 Acq: 28 Apr 2020 22:00

Tgt Ion: 97 Resp: 26455
 Ion Ratio Lower Upper
 97 100
 99 63.7 50.7 76.1
 61 48.1 38.9 58.3



Abundance Ion 97.00 (96.70 to 97.70): VU0
 Ion 99.00 (98.70 to 99.70): VU0
 Ion 61.05 (60.75 to 61.75): VU0





#34

Trichloroethene

Concen: 31.653 ug/L

RT: 6.57 min Scan# 1627

Delta R.T. -0.00 min

Lab File: VU037894.D

Acq: 28 Apr 2020 22:00

Tot Ion: 95 Resp: 136553

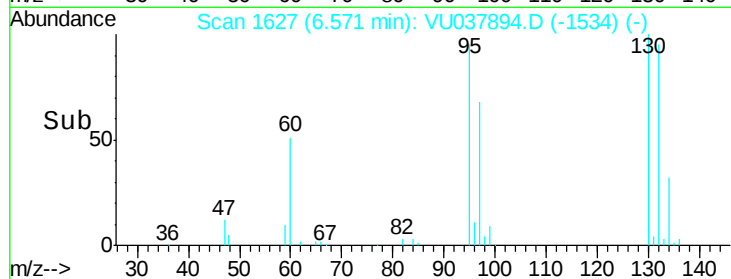
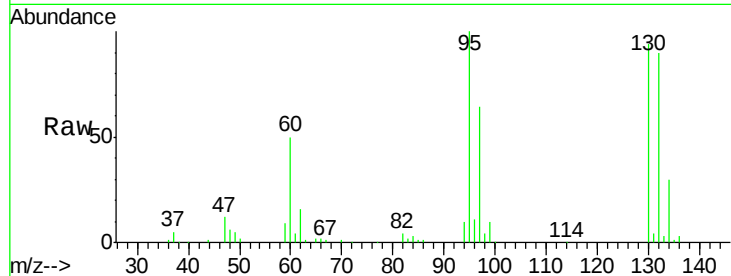
Ion Ratio Lower Upper

95 100

97 64.1 44.4 82.5

132 89.7 65.0 120.6

130 94.4 65.5 121.7



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

