

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\U092019\
 Data File : VU034696.D
 Acq On : 20 Sep 2019 18:05
 Operator : JC/SP
 Sample : K4948-03
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 BEDN3

Quant Time: Sep 21 04:56:56 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM091919WMA.M
 Quant Title : VOC Analysis
 QLast Update : Sat Sep 21 02:29:10 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.86	114	508248	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.07	117	479559	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.46	152	211038	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.39	65	201203	38.67	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	77.34%
7) Chloroethane-d5	1.67	69	174944	43.50	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	87.00%
11) 1,1-Dichloroethene-d2	2.26	63	284749	32.32	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	64.64%
21) 2-Butanone-d5	4.15	46	409411	102.67	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	102.67%
24) Chloroform-d	4.62	84	354034	46.80	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	93.60%
26) 1,2-Dichloroethane-d4	5.29	65	260518	46.85	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	93.70%
32) Benzene-d6	5.31	84	699890	47.09	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	94.18%
36) 1,2-Dichloropropane-d6	6.31	67	248721	47.87	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	95.74%
41) Toluene-d8	7.54	98	653233	46.19	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	92.38%
43) trans-1,3-Dichloropropene-	7.83	79	118983	47.82	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	95.64%
47) 2-Hexanone-d5	8.29	63	262070	100.43	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	100.43%
57) 1,1,2,2-Tetrachloroethane-	10.41	84	332521	46.13	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	92.26%
64) 1,2-Dichlorobenzene-d4	11.84	152	212803	48.09	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	96.18%

Target Compounds

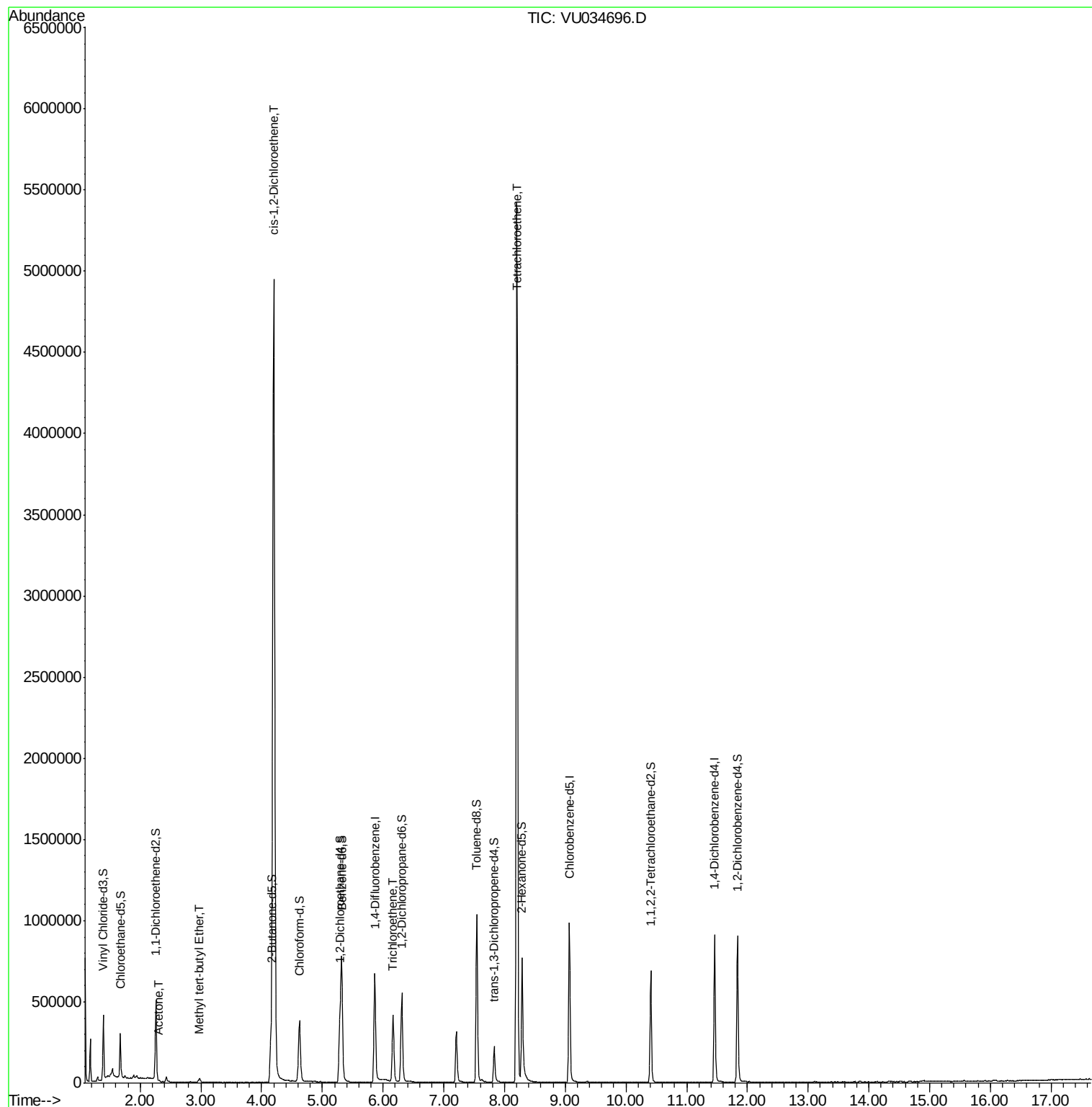
					Ovalue
13) Acetone	2.31	43	8444	1.820	ug/L 89
18) Methyl tert-butyl Ether	2.98	73	14033	1.040	ug/L # 70
20) cis-1,2-Dichloroethene	4.20	96	2453274	577.109	ug/L # 100
34) Trichloroethene	6.16	95	133370	32.469	ug/L 91
46) Tetrachloroethene	8.21	164	1029013	356.141	ug/L 97

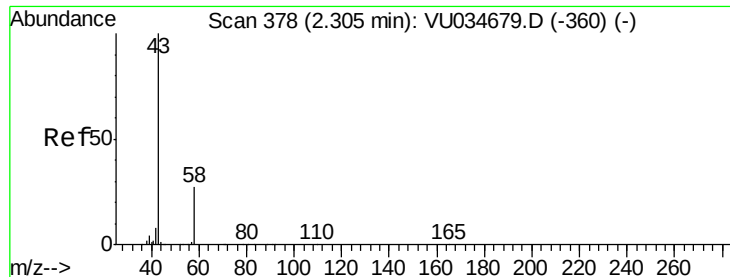
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#13

Acetone

Concen: 1.820 ug/L

RT: 2.31 min Scan# 379

Delta R.T. 0.00 min

Lab File: VU034696.D

Acq: 20 Sep 2019 18:05

Instrument :

MSVOA_U

ClientSampleId :

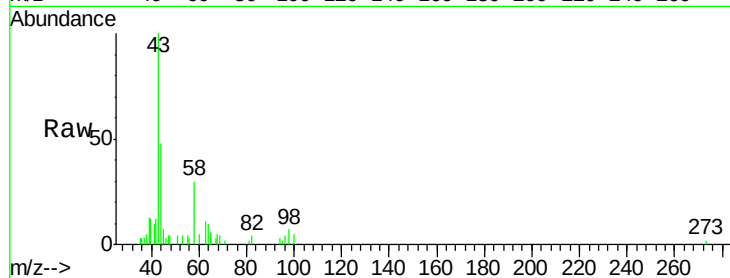
BEDN3

Tot Ion: 43 Resp: 8444

Ion Ratio Lower Upper

43 100

58 32.3 0.0 53.4

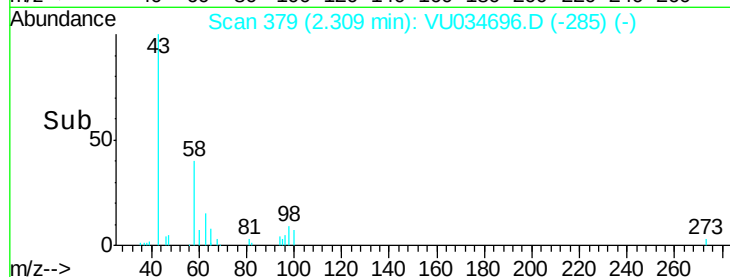


Abundance Ion 43.00 (42.70 to 43.70): VU034696.D (-285) (-)

Ion 58.00 (57.70 to 58.70): VU034696.D (-285) (-)

2.31

Time-->



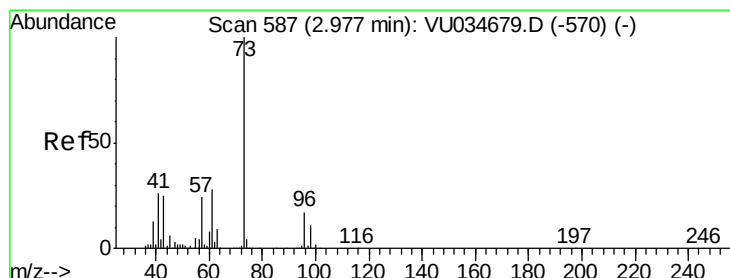
Abundance

Ion 43.00 (42.70 to 43.70): VU034696.D (-285) (-)

Ion 58.00 (57.70 to 58.70): VU034696.D (-285) (-)

2.31

Time-->



#18

Methyl tert-butyl Ether

Concen: 1.040 ug/L

RT: 2.98 min Scan# 589

Delta R.T. 0.01 min

Lab File: VU034696.D

Acq: 20 Sep 2019 18:05

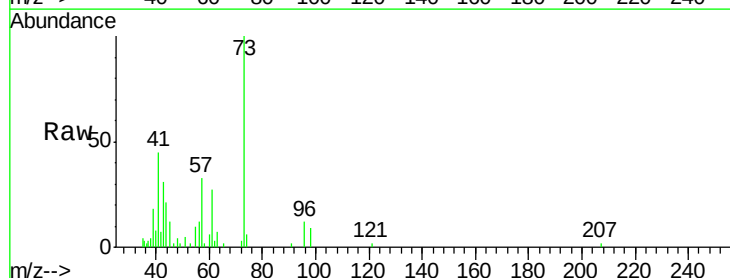
Tgt Ion: 73 Resp: 14033

Ion Ratio Lower Upper

73 100

43 7.8 20.9 31.3#

57 36.0 19.5 29.3#



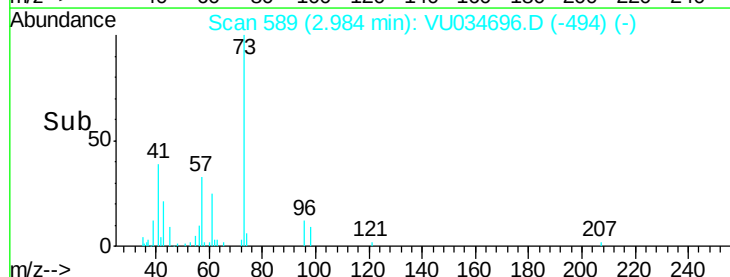
Abundance Ion 73.00 (72.70 to 73.70): VU034696.D (-494) (-)

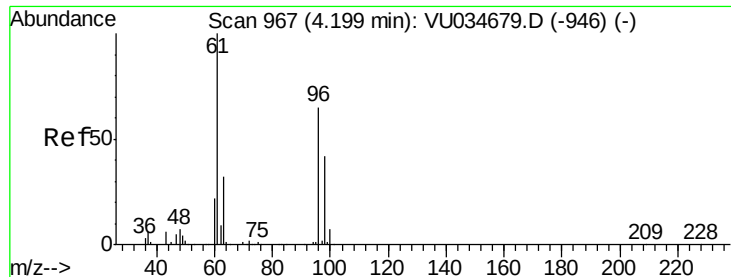
Ion 43.00 (42.70 to 43.70): VU034696.D (-494) (-)

Ion 57.00 (56.70 to 57.70): VU034696.D (-494) (-)

2.98

Time-->



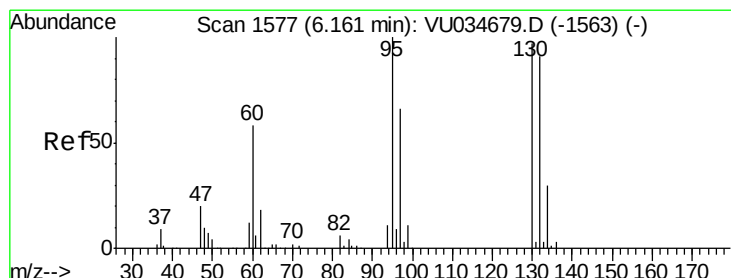
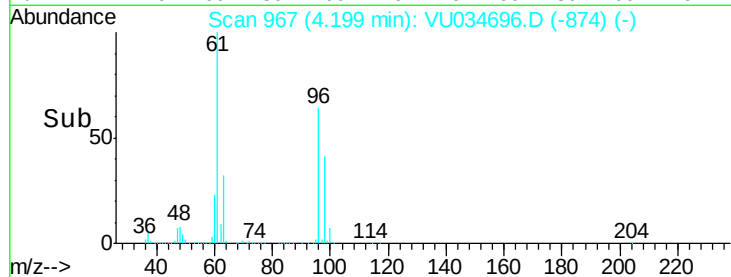
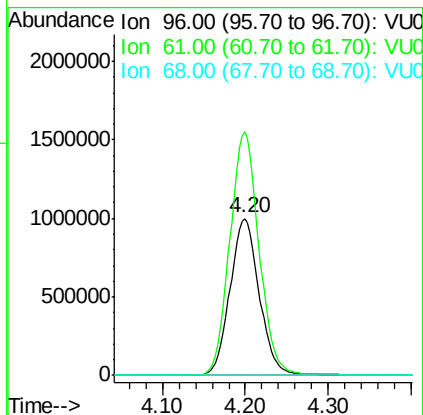
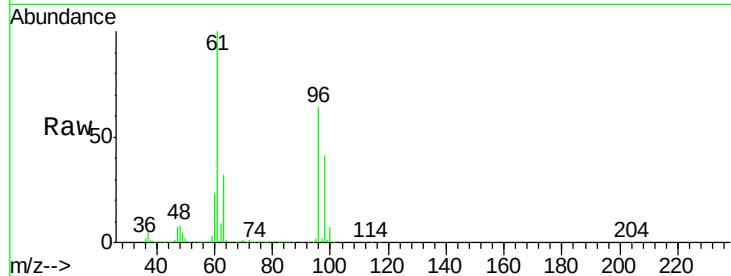


#20

cis-1,2-Dichloroethene
Concen: 577.109 ug/L
RT: 4.20 min Scan# 967
Delta R.T. 0.00 min
Lab File: VU034696.D
Acq: 20 Sep 2019 18:05

Instrument :
MSVOA_U
ClientSampleId :
BEDN3

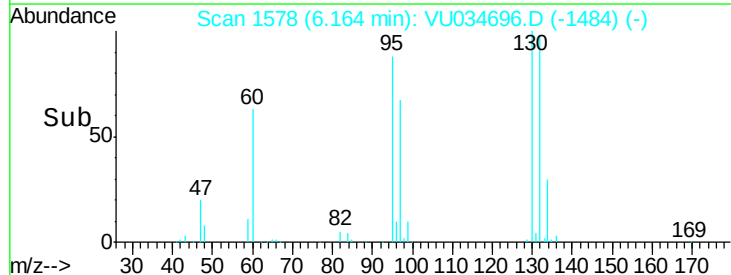
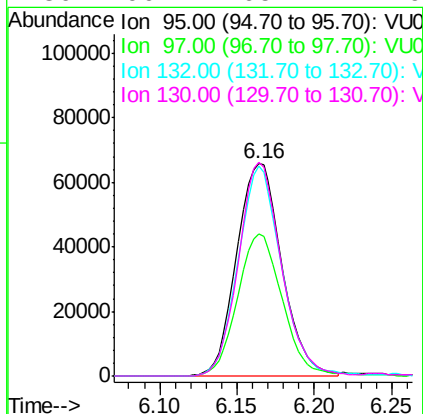
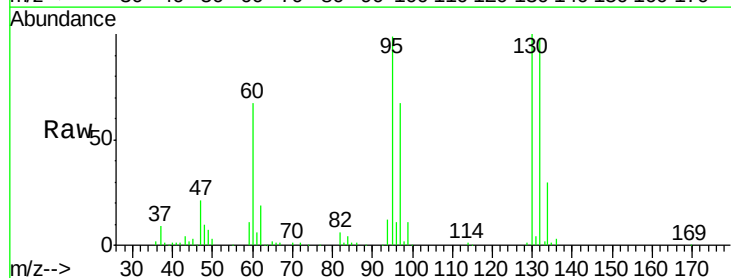
Tot Ion: 96 Resp: 2453274
Ion Ratio Lower Upper
96 100
61 155.5 108.8 202.2
68 0.0 0.0 0.0#

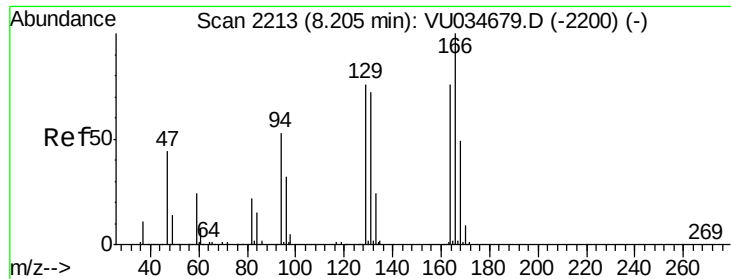


#34

Trichloroethene
Concen: 32.469 ug/L
RT: 6.16 min Scan# 1578
Delta R.T. 0.00 min
Lab File: VU034696.D
Acq: 20 Sep 2019 18:05

Tgt Ion: 95 Resp: 133370
Ion Ratio Lower Upper
95 100
97 67.2 43.7 81.1
132 98.7 61.0 113.2
130 100.7 65.7 121.9





#46

Tetrachloroethene

Concen: 356.141 ug/L

RT: 8.21 min Scan# 2213

Delta R.T. 0.00 min

Lab File: VU034696.D

Acq: 20 Sep 2019 18:05

Instrument :
MSVOA_U
ClientSampleId :
BEDN3

Tot Ion:164 Resp: 1029013

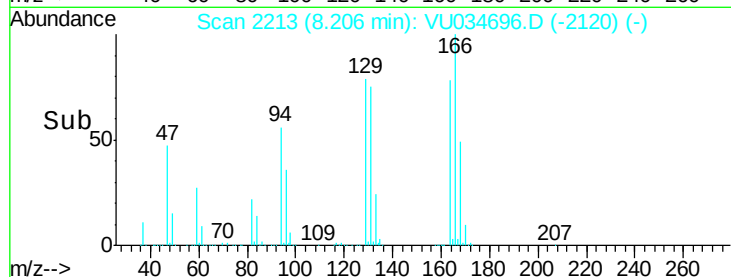
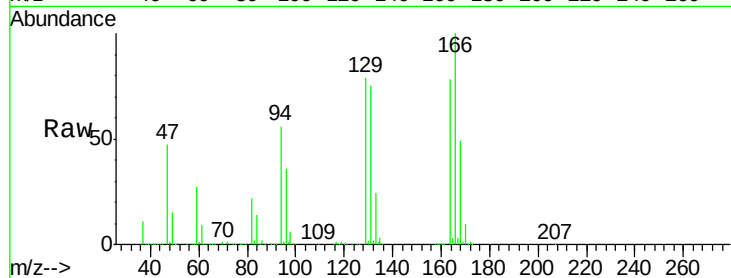
Ion Ratio Lower Upper

164 100

129 101.0 71.9 133.5

131 95.8 66.3 123.1

166 128.4 93.4 173.6



Abundance Ion 164.00 (163.70 to 164.70): V

Ion 129.00 (128.70 to 129.70): V

Ion 131.00 (130.70 to 131.70): V

Ion 166.00 (165.70 to 166.70): V

