

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU062519\
 Data File : VU033046.D
 Acq On : 25 Jun 2019 11:43
 Operator : JC/SP
 Sample : K3478-22
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 ETF48

Quant Time: Jun 26 07:52:55 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM061719WMA.M
 Quant Title : VOC Analysis
 QLast Update : Wed Jun 26 07:06:36 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.88	114	193799	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.08	117	193137	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.48	152	88997	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.39	65	59822	45.17	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	90.34%
7) Chloroethane-d5	1.68	69	52842	50.03	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	100.06%
11) 1,1-Dichloroethene-d2	2.26	63	97582	36.57	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	73.14%
21) 2-Butanone-d5	4.17	46	124856	113.26	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	113.26%
24) Chloroform-d	4.64	84	129871	50.44	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	100.88%
26) 1,2-Dichloroethane-d4	5.30	65	93481	54.51	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	109.02%
32) Benzene-d6	5.33	84	253361	50.32	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	100.64%
36) 1,2-Dichloropropane-d6	6.32	67	83062	51.79	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	103.58%
41) Toluene-d8	7.56	98	226178	47.97	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	95.94%
43) trans-1,3-Dichloropropene-	7.84	79	40167	48.14	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	96.28%
47) 2-Hexanone-d5	8.31	63	71875	95.97	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	95.97%
57) 1,1,2,2-Tetrachloroethane-	10.42	84	119452	48.18	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	96.36%
64) 1,2-Dichlorobenzene-d4	11.85	152	89221	51.81	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	103.62%

Target Compounds

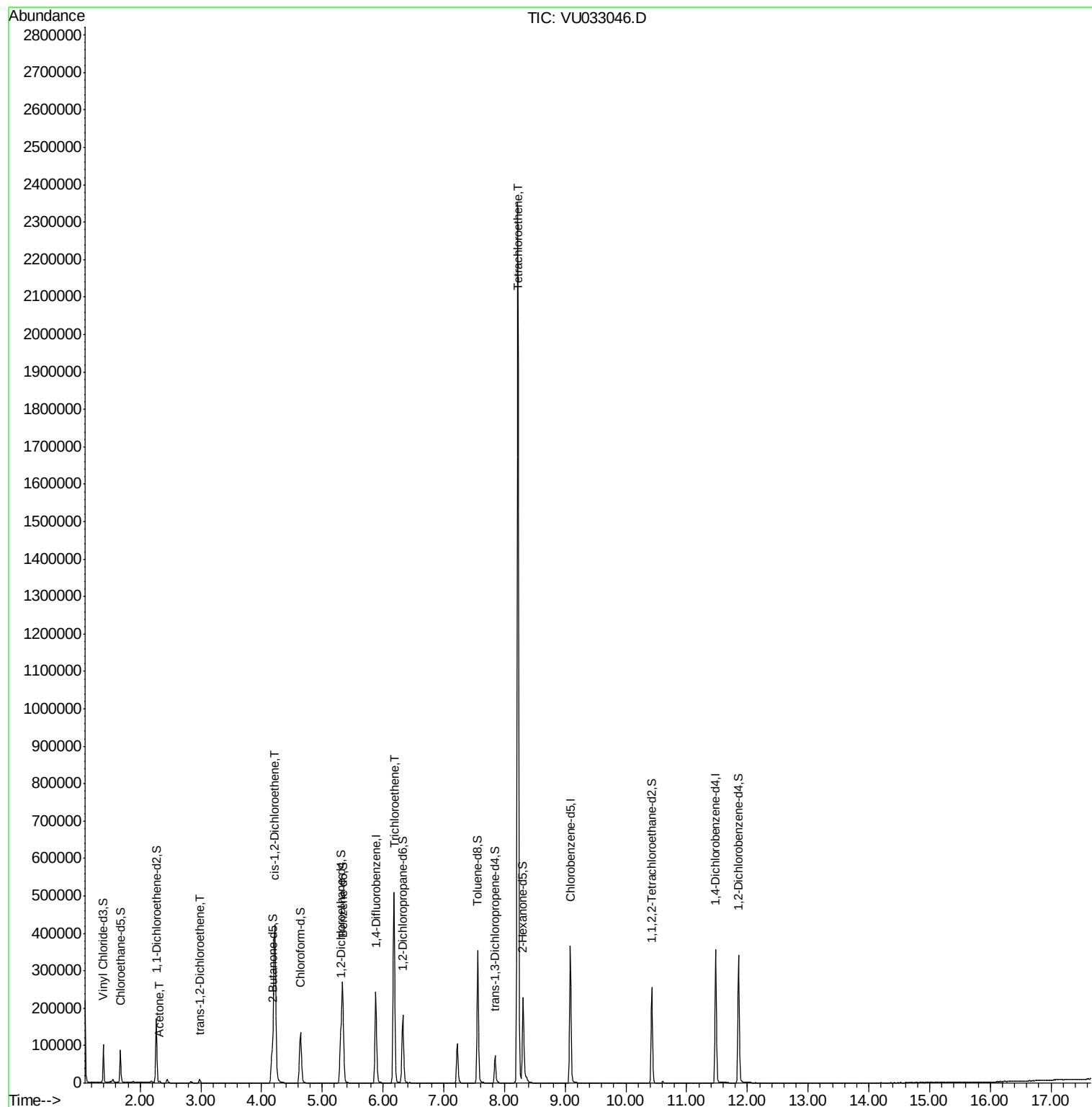
					Ovalue
13) Acetone	2.32	43	2913	1.913	ug/L 91
17) trans-1,2-Dichloroethene	2.98	96	3208	2.424	ug/L 92
20) cis-1,2-Dichloroethene	4.22	96	222337	154.214	ug/L 94
34) Trichloroethene	6.18	95	166359	111.908	ug/L 99
46) Tetrachloroethene	8.22	164	487513	400.217	ug/L 98

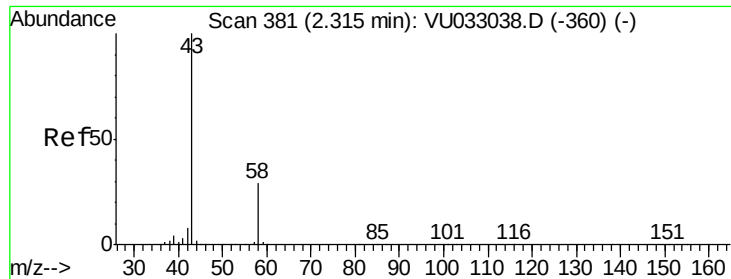
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Response via : Initial Calibration





#13

Acetone

Concen: 1.913 ug/L

RT: 2.32 min Scan# 382

Delta R.T. 0.00 min

Lab File: VU033046.D

Acq: 25 Jun 2019 11:43

Instrument :

MSVOA_U

ClientSampleId :

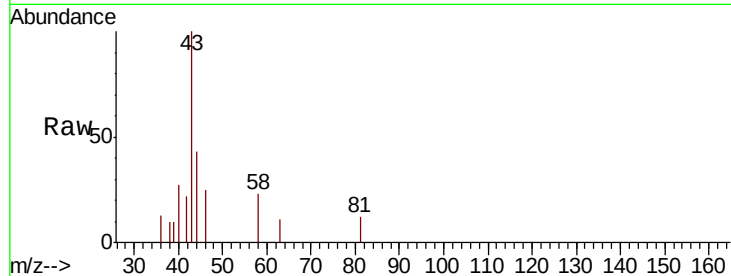
ETF48

Tot Ion: 43 Resp: 2913

Ion Ratio Lower Upper

43 100

58 25.2 0.0 60.6



Abundance Ion 43.00 (42.70 to 43.70): VU033038.D (-360) (-)

Ion 58.00 (57.70 to 58.70): VU033038.D (-360) (-)

2.32

1500

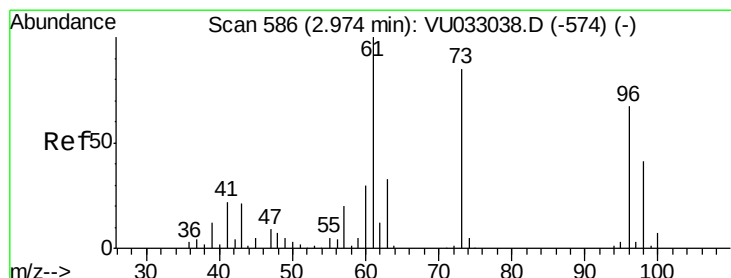
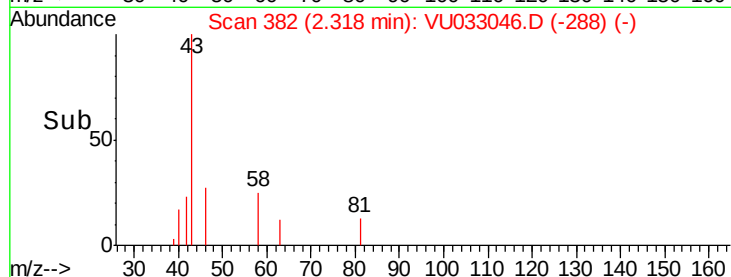
1000

500

0

2.30 2.35

Time-->



#17

trans-1,2-Dichloroethene

Concen: 2.424 ug/L

RT: 2.98 min Scan# 587

Delta R.T. 0.00 min

Lab File: VU033046.D

Acq: 25 Jun 2019 11:43

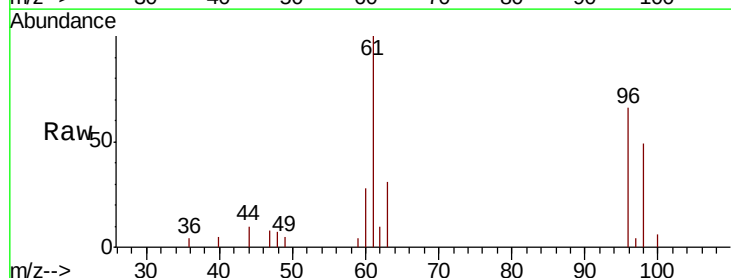
Tgt Ion: 96 Resp: 3208

Ion Ratio Lower Upper

96 100

61 151.2 100.9 187.5

98 74.3 44.0 81.8



Abundance Ion 96.00 (95.70 to 96.70): VU033038.D (-574) (-)

Ion 61.00 (60.70 to 61.70): VU033038.D (-574) (-)

Ion 98.00 (97.70 to 98.70): VU033038.D (-574) (-)

2.98

3000

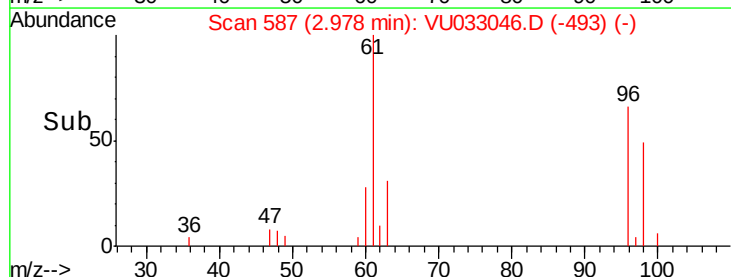
2000

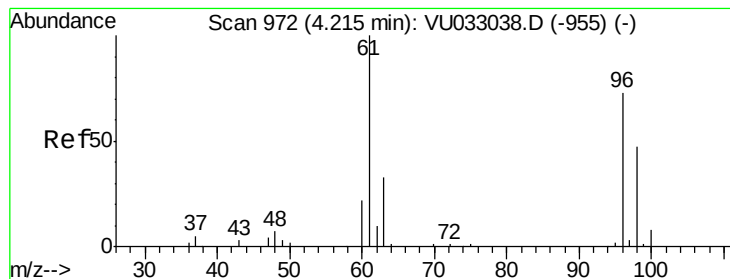
1000

0

2.95 3.00

Time-->



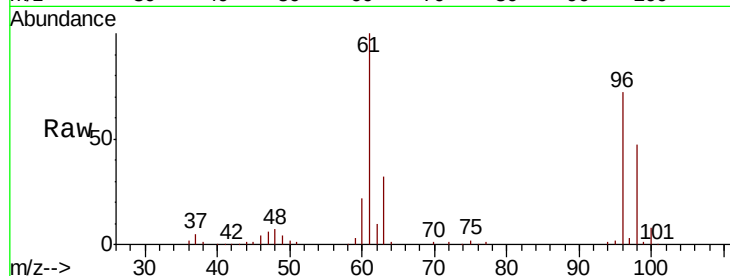


#20

cis-1,2-Dichloroethene
Concen: 154.214 ug/L
RT: 4.22 min Scan# 972
Delta R.T. 0.00 min
Lab File: VU033046.D
Acq: 25 Jun 2019 11:43

Instrument :
MSVOA_U
ClientSampleId :
ETF48

Tot Ion	Ratio	Lower	Upper
96	100		
61	138.5	92.4	171.6
68	0.0	0.0	0.0

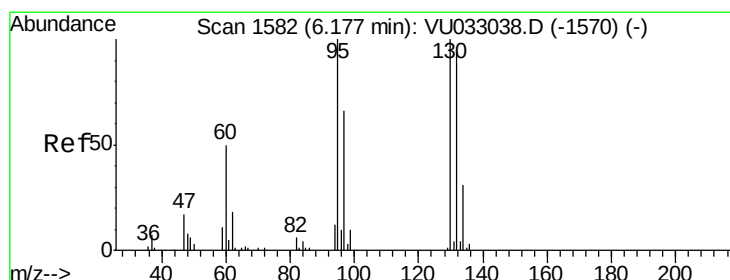
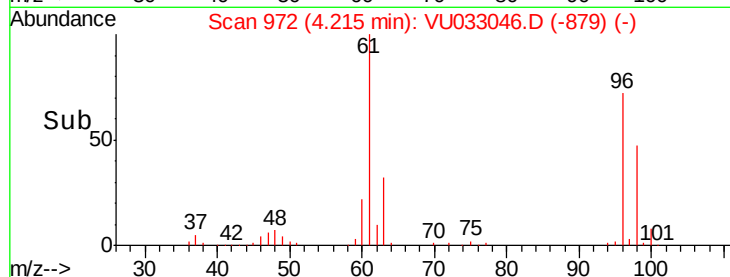
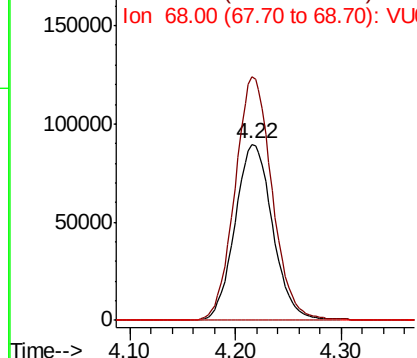


Abundance

Ion 96.00 (95.70 to 96.70): VU0

Ion 61.00 (60.70 to 61.70): VU0

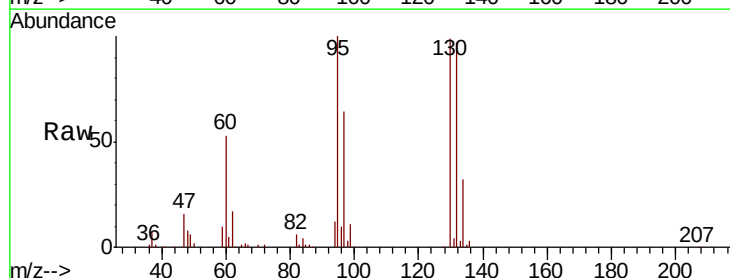
Ion 68.00 (67.70 to 68.70): VU0



#34

Trichloroethene
Concen: 111.908 ug/L
RT: 6.18 min Scan# 1583
Delta R.T. 0.00 min
Lab File: VU033046.D
Acq: 25 Jun 2019 11:43

Tgt Ion	Ratio	Lower	Upper
95	100		
97	64.1	45.9	85.3
132	97.2	68.5	127.3
130	99.5	70.8	131.4



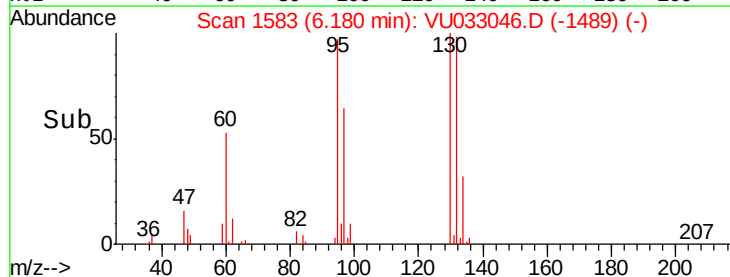
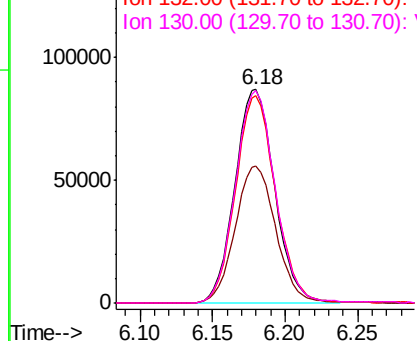
Abundance

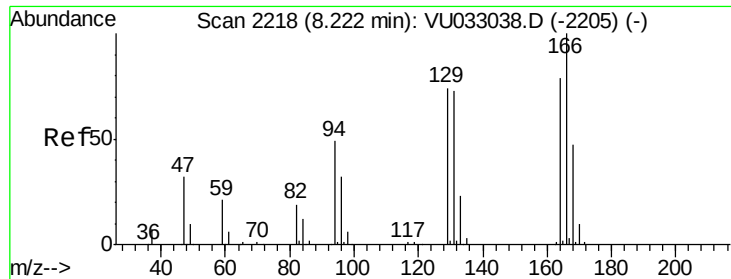
Ion 95.00 (94.70 to 95.70): VU0

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





#46

Tetrachloroethene

Concen: 400.217 ug/L

RT: 8.22 min Scan# 2218

Delta R.T. 0.00 min

Lab File: VU033046.D

Acq: 25 Jun 2019 11:43

Instrument :
MSVOA_U
ClientSampleId :
ETF48

Tot Ion:164 Resp: 487513

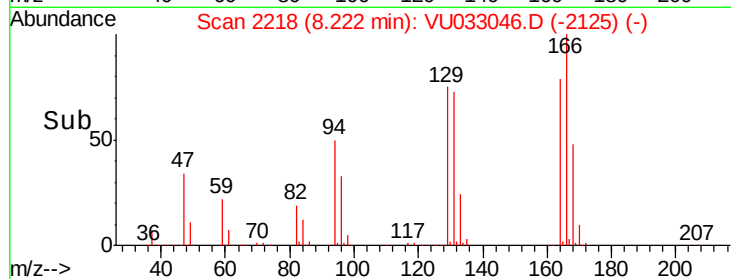
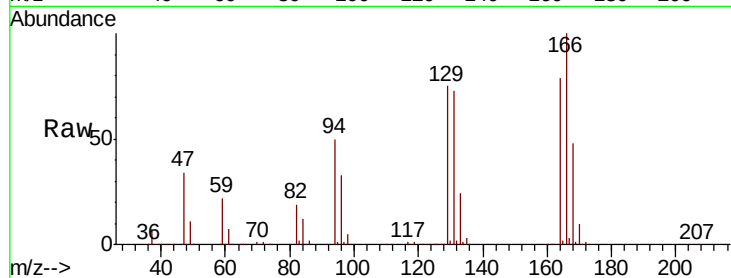
Ion Ratio Lower Upper

164 100

129 95.3 64.8 120.3

131 92.8 64.5 119.7

166 127.0 91.3 169.6



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

