

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV060619\
 Data File : VV011253.D
 Acq On : 06 Jun 2019 18:53
 Operator : SY/MD
 Sample : K3230-03
 Misc : 25ML/MSVOA V/WATER
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 P020-STEEL-1906-01

Quant Time: Jun 09 21:12:09 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVTR060419WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Fri Jun 07 01:28:31 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.66	114	158166	5.00	ug/L	0.00
28) Chlorobenzene-d5	8.89	117	148023	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.30	152	60341	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	56334	4.70	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	94.00%
7) Chloroethane-d5	1.56	69	46880	4.71	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	94.20%
11) 1,1-Dichloroethene-d2	2.12	63	88336	3.69	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	73.80%
20) 2-Butanone-d5	3.94	46	136919	50.74	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	101.48%
24) Chloroform-d	4.40	84	100557	4.77	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	95.40%
26) 1,2-Dichloroethane-d4	5.08	65	56940	4.99	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	99.80%
32) Benzene-d6	5.09	84	209866	4.74	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	94.80%
36) 1,2-Dichloropropane-d6	6.12	67	64356	4.72	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	94.40%
41) Toluene-d8	7.36	98	189874	4.67	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	93.40%
43) trans-1,3-Dichloropropene-	7.66	79	20699	3.98	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	79.60%
46) 2-Hexanone-d5	8.13	63	110506	50.31	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	100.62%
57) 1,1,2,2-Tetrachloroethane-	10.26	84	43693	4.70	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	94.00%
64) 1,2-Dichlorobenzene-d4	11.67	152	60679	5.09	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	101.80%

Target Compounds

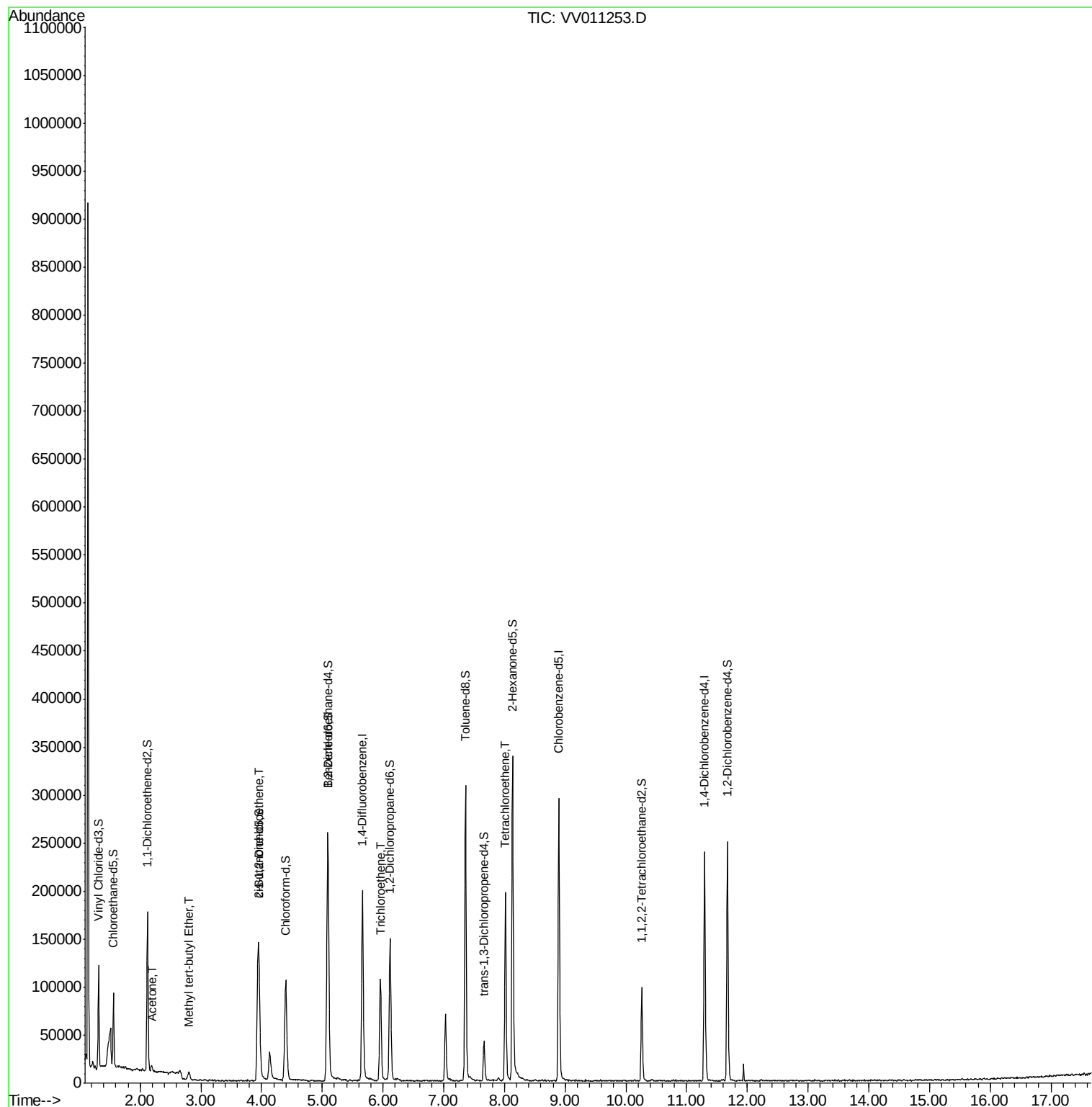
					Ovalue
13) Acetone	2.19	43	4156	2.297 ug/L	78
17) Methyl tert-butyl Ether	2.81	73	7383	0.278 ug/L #	91
22) cis-1,2-Dichloroethene	3.96	96	42637	3.451 ug/L	96
34) Trichloroethene	5.96	95	35303	2.901 ug/L	98
47) Tetrachloroethene	8.02	164	39207	4.458 ug/L	98

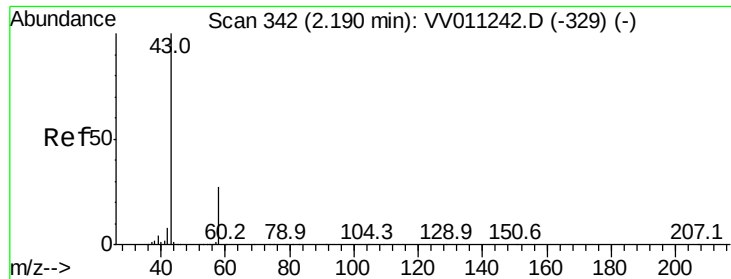
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#13

Acetone

Concen: 2.297 ug/L

RT: 2.19 min Scan# 342

Delta R.T. 0.00 min

Lab File: VV011253.D

Acq: 06 Jun 2019 18:53

Instrument :

MSVOA_V

ClientSampleId :

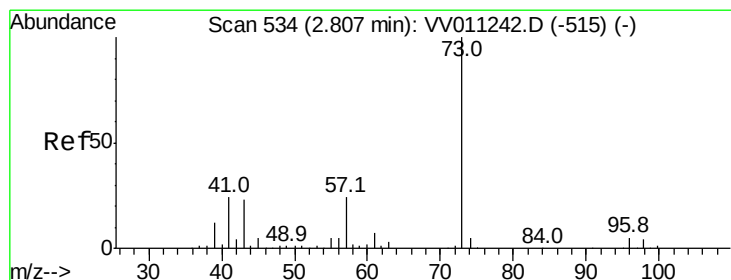
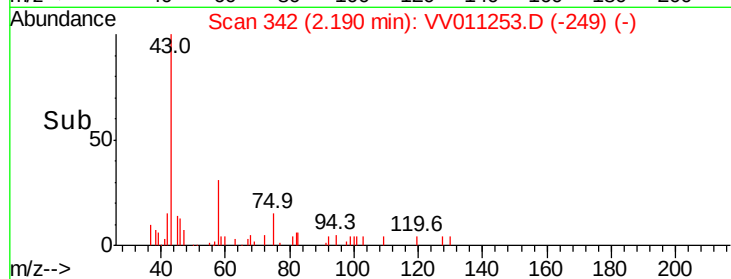
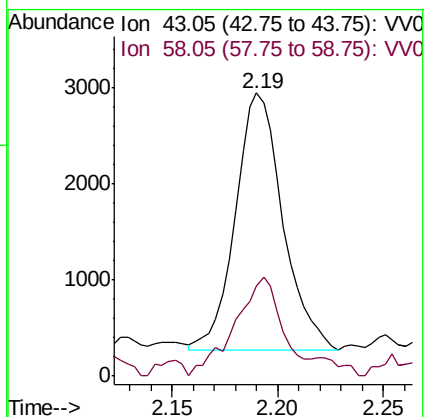
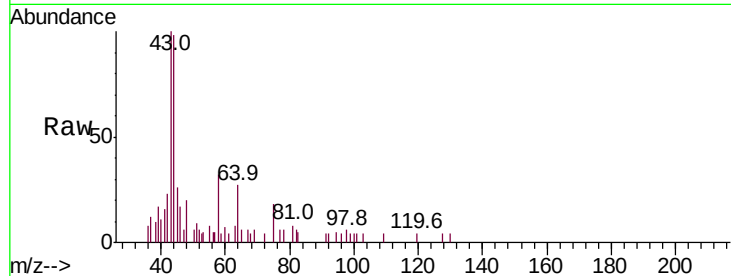
P020-STEEL-1906-01

Tot Ion: 43 Resp: 4156

Ion Ratio Lower Upper

43 100

58 39.1 0.0 55.2



#17

Methyl tert-butyl Ether

Concen: 0.278 ug/L

RT: 2.81 min Scan# 534

Delta R.T. 0.00 min

Lab File: VV011253.D

Acq: 06 Jun 2019 18:53

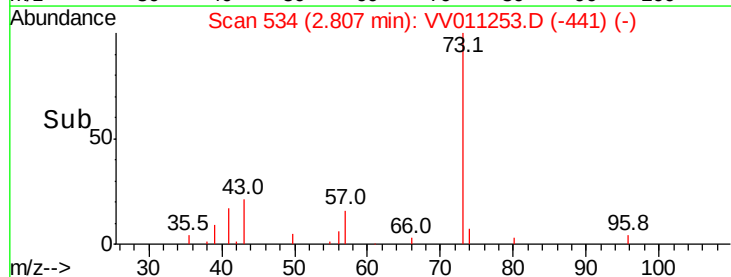
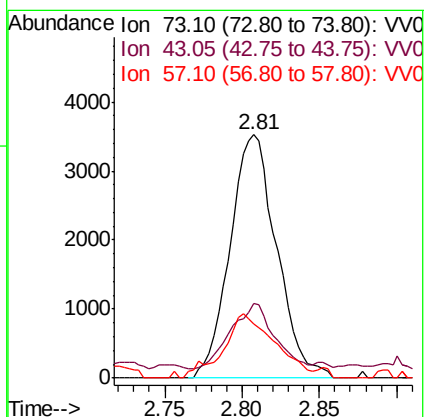
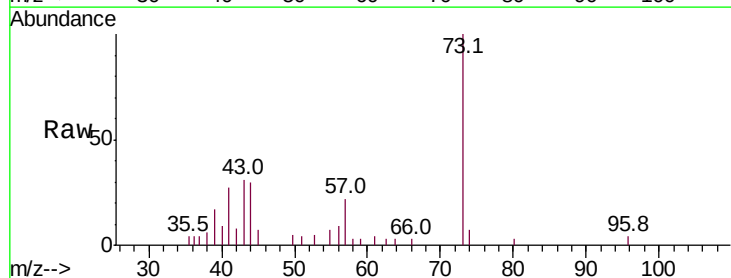
Tgt Ion: 73 Resp: 7383

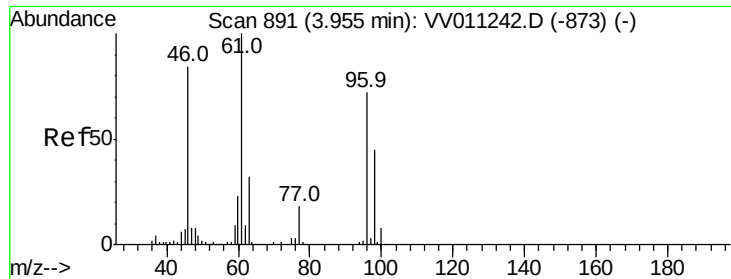
Ion Ratio Lower Upper

73 100

43 25.5 18.7 28.1

57 29.1 18.1 27.1#



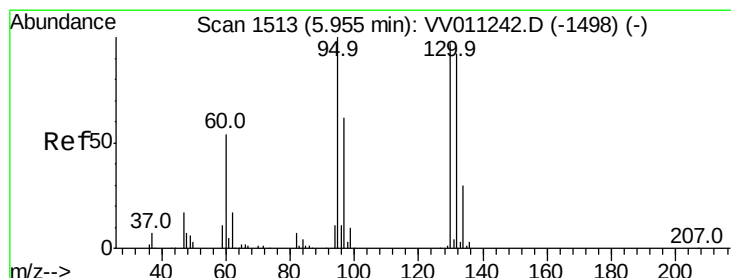
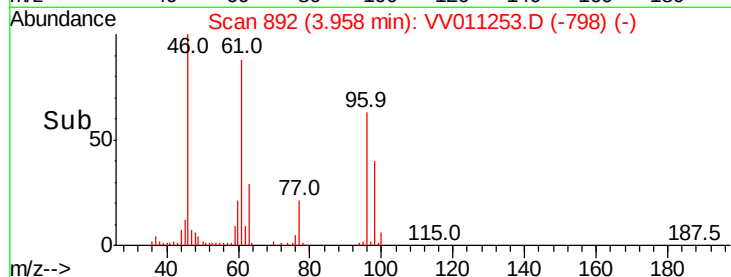
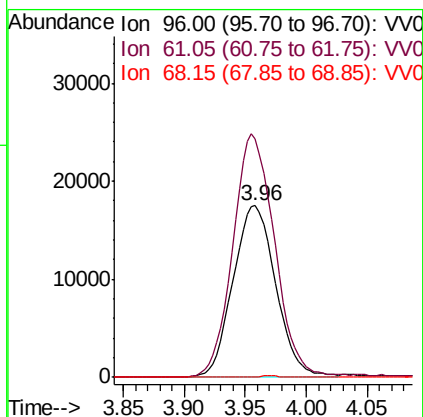
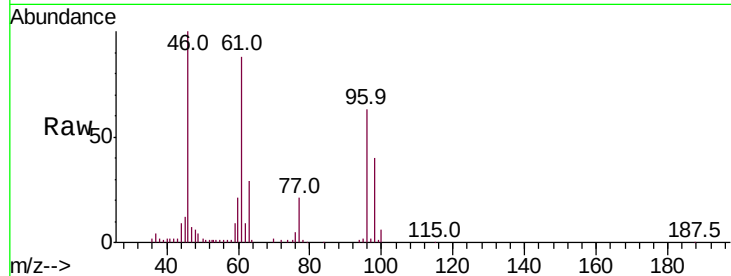


#22

cis-1,2-Dichloroethene
Concen: 3.451 ug/L
RT: 3.96 min Scan# 892
Delta R.T. 0.00 min
Lab File: VV011253.D
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Instrument :
MSVOA_V
ClientSampleId :
P020-STEEL-1906-01

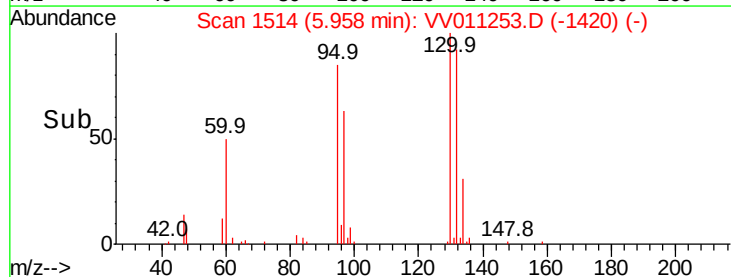
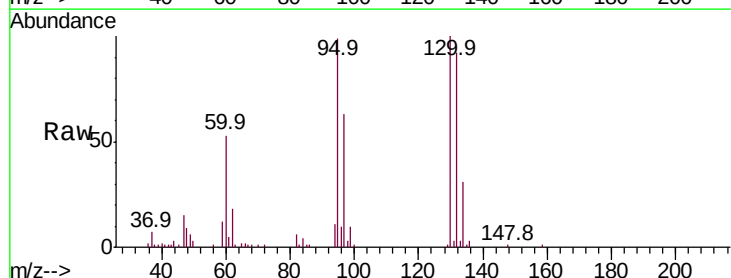
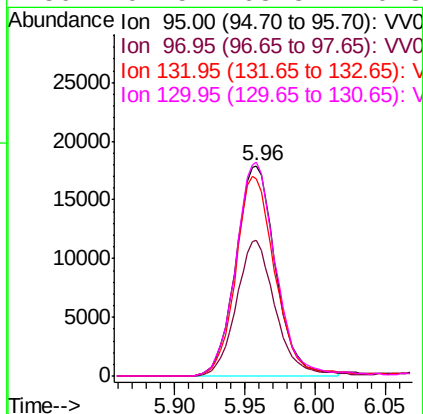
Tot Ion: 96 Resp: 42637
Ion Ratio Lower Upper
96 100
61 138.9 100.8 187.2
68 0.0 0.0 0.0

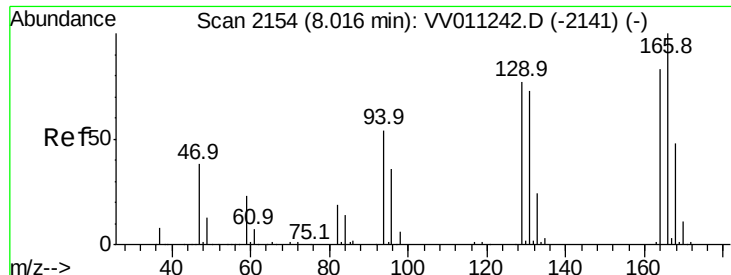


#34

Trichloroethene
Concen: 2.901 ug/L
RT: 5.96 min Scan# 1514
Delta R.T. 0.00 min
Lab File: VV011253.D
Acq: 06 Jun 2019 18:53

Tgt Ion: 95 Resp: 35303
Ion Ratio Lower Upper
95 100
97 64.3 45.8 85.2
132 93.8 66.4 123.2
130 101.5 68.3 126.8





#47

Tetrachloroethene

Concen: 4.458 ug/L

RT: 8.02 min Scan# 2154

Delta R.T. 0.00 min

Lab File: VV011253.D

Acq: 06 Jun 2019 18:53

Instrument :

MSVOA_V

ClientSampleId :

P020-STEEL-1906-01

Tot Ion:164 Resp: 39207

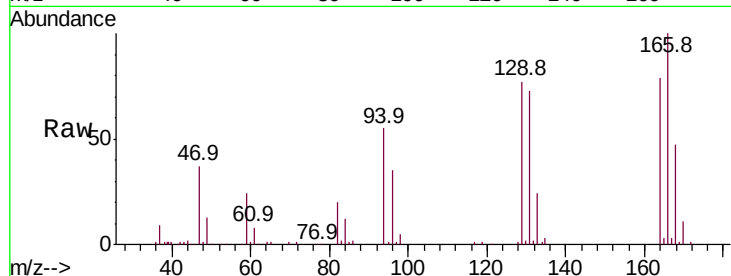
Ion Ratio Lower Upper

164 100

129 97.3 69.9 129.9

131 92.9 66.8 124.2

166 127.0 90.2 167.6



Abundance Ion 163.90 (163.60 to 164.60): V

Ion 128.95 (128.65 to 129.65): V

Ion 130.95 (130.65 to 131.65): V

Ion 165.90 (165.60 to 166.60): V

