

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU041919\
 Data File : VU031310.D
 Acq On : 18 Apr 2019 16:30
 Operator : JC/SP
 Sample : K2452-03DL 2X
 Misc : 25.0mL/MSVOA U/WATER
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 YAMZ3DL

Quant Time: Apr 19 05:18:35 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR041919WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Fri Apr 19 04:38:37 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.88	114	198423	5.00	ug/L	0.00
28) Chlorobenzene-d5	9.09	117	200556	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.48	152	80593	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.40	65	104689	4.68	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	93.60%
7) Chloroethane-d5	1.68	69	83162	4.67	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	93.40%
11) 1,1-Dichloroethene-d2	2.26	63	160050	3.65	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	73.00%
20) 2-Butanone-d5	4.21	46	220107	51.47	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	102.94%
24) Chloroform-d	4.64	84	137798	4.94	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	98.80%
26) 1,2-Dichloroethane-d4	5.31	65	80125	5.30	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	106.00%
32) Benzene-d6	5.33	84	270361	4.84	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	96.80%
36) 1,2-Dichloropropane-d6	6.33	67	86580	4.93	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	98.60%
41) Toluene-d8	7.56	98	223428	4.47	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	89.40%
43) trans-1,3-Dichloropropene-	7.85	79	39765	5.65	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	113.00%
46) 2-Hexanone-d5	8.32	63	161725	49.72	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	99.44%
57) 1,1,2,2-Tetrachloroethane-	10.43	84	73325	4.98	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	99.60%
64) 1,2-Dichlorobenzene-d4	11.86	152	80615	5.13	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	102.60%

Target Compounds

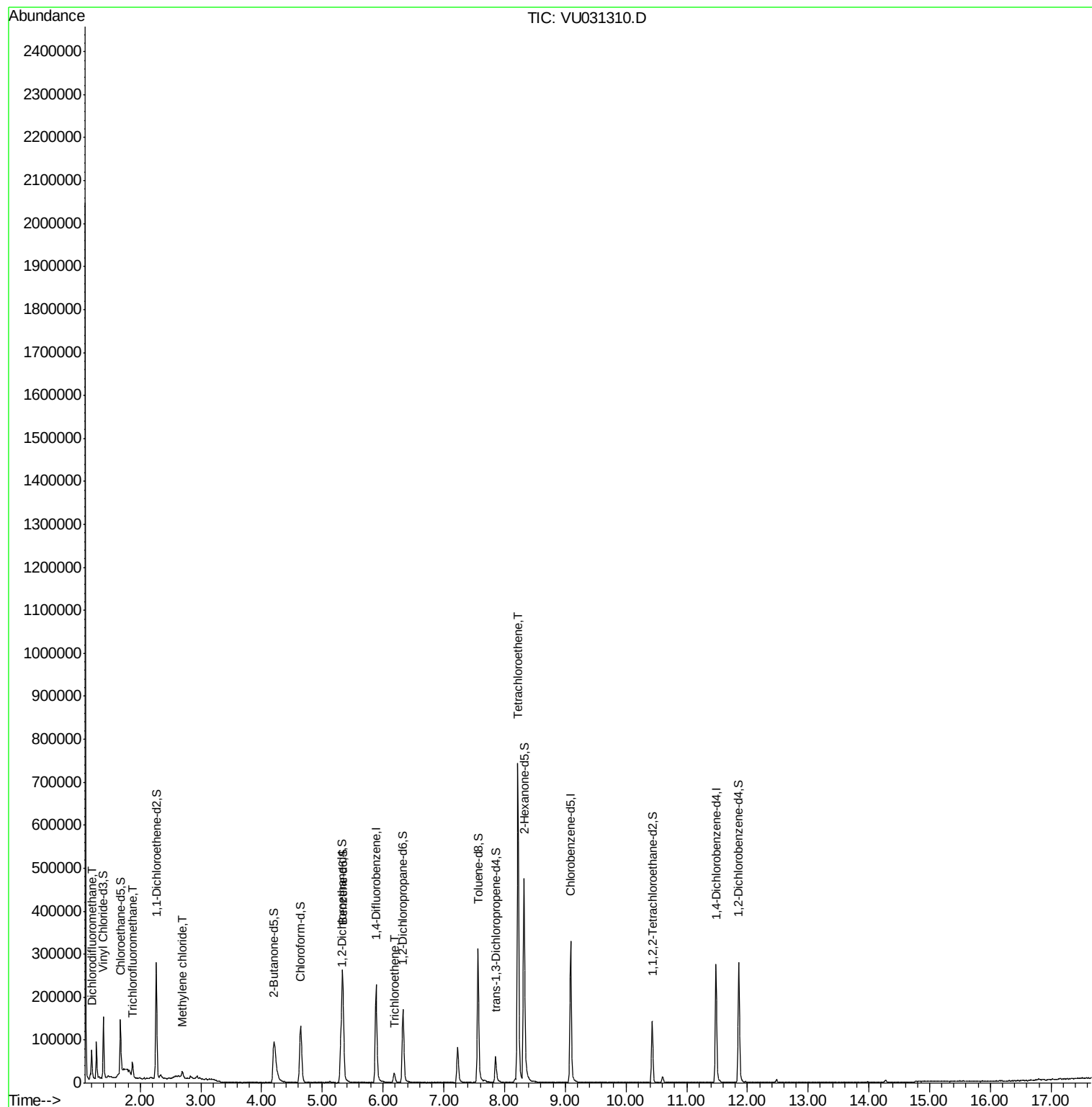
					Ovalue
2) Dichlorodifluoromethane	1.20	85	37552	1.645 ug/L	95
9) Trichlorofluoromethane	1.87	101	18013	0.455 ug/L	100
16) Methylene chloride	2.70	84	6262	0.242 ug/L	92
34) Trichloroethene	6.18	95	8971	0.488 ug/L	89
47) Tetrachloroethene	8.22	164	177261	12.929 ug/L	94

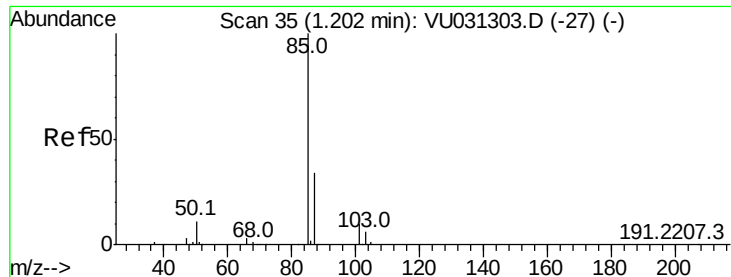
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#2

Dichlorodifluoromethane

Concen: 1.645 ug/L

RT: 1.20 min Scan# 35

Delta R.T. 0.00 min

Lab File: VU031310.D

Acq: 18 Apr 2019 16:30

Instrument :

MSVOA_U

ClientSampleId :

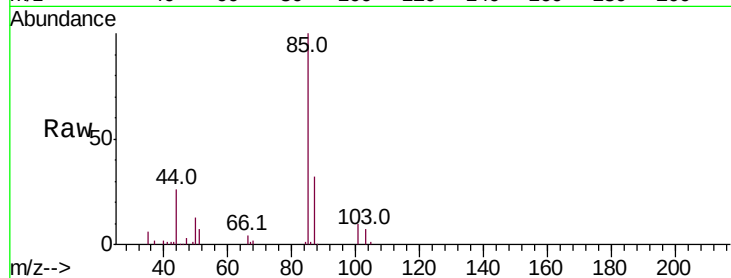
YAMZ3DL

Tot Ion: 85 Resp: 37552

Ion Ratio Lower Upper

85 100

87 30.8 26.8 40.2



Abundance Ion 85.00 (84.70 to 85.70): VU031310.D (-27) (-)

Ion 87.00 (86.70 to 87.70): VU031310.D (-27) (-)

1.20

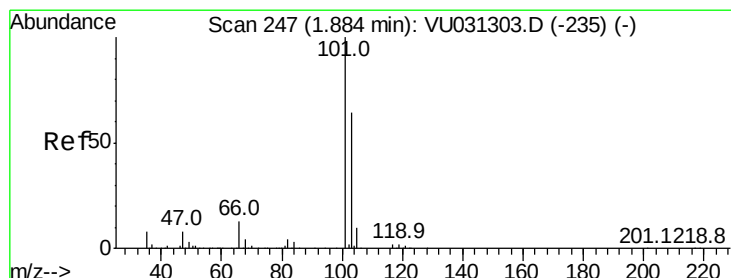
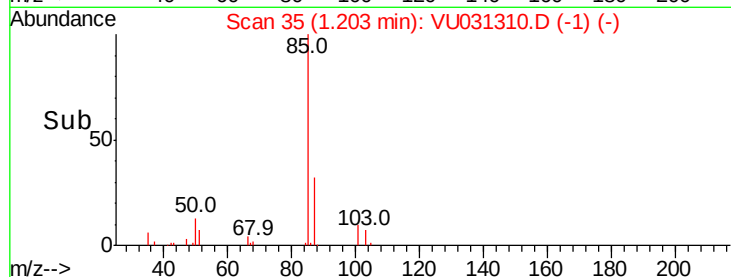
30000

20000

10000

0

Time--> 1.15 1.20 1.25



#9

Trichlorofluoromethane

Concen: 0.455 ug/L

RT: 1.87 min Scan# 244

Delta R.T. -0.01 min

Lab File: VU031310.D

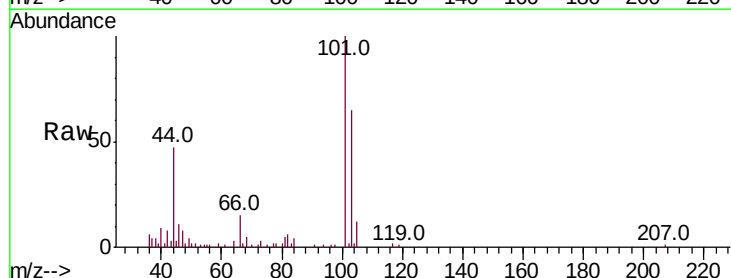
Acq: 18 Apr 2019 16:30

Tgt Ion: 101 Resp: 18013

Ion Ratio Lower Upper

101 100

103 65.4 52.3 78.5



Abundance Ion 101.00 (100.70 to 101.70): VU031310.D (-154) (-)

Ion 103.00 (102.70 to 103.70): VU031310.D (-154) (-)

1.87

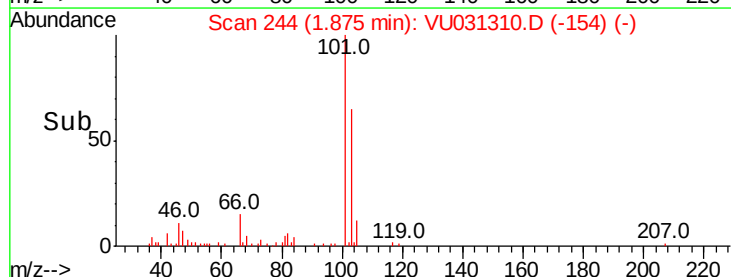
15000

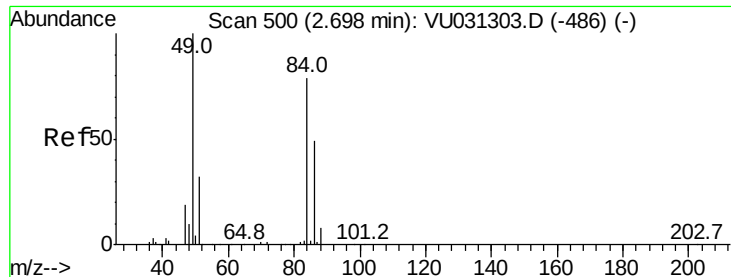
10000

5000

0

Time--> 1.85 1.90

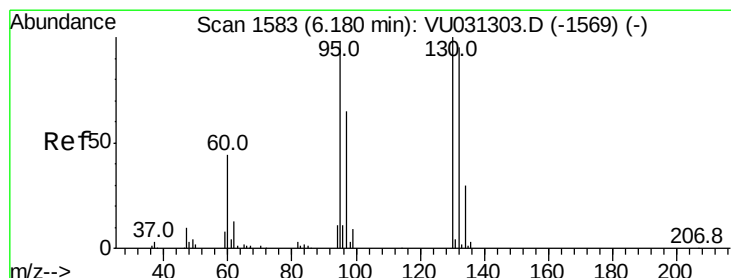
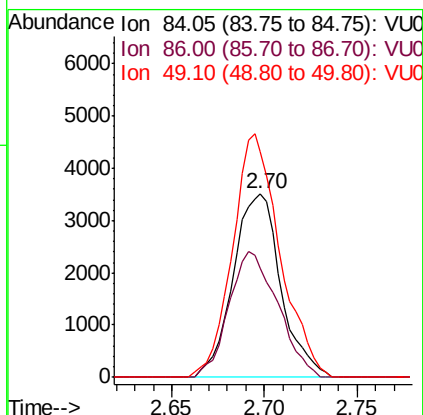
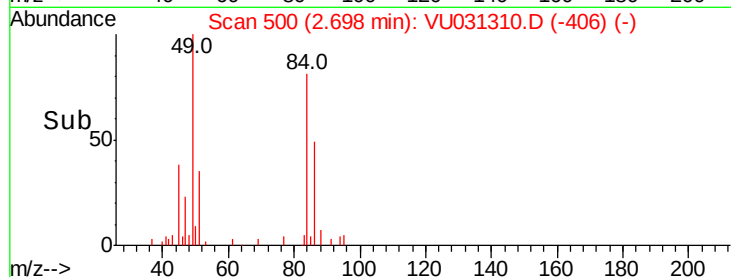
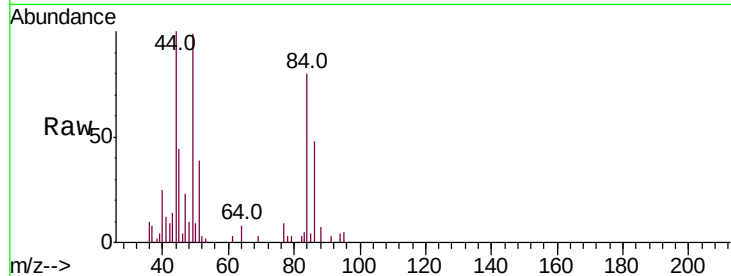




#16
Methylene chloride
Concen: 0.242 ug/L
RT: 2.70 min Scan# 500
Delta R.T. 0.00 min
Lab File: VU031310.D
Acq: 18 Apr 2019 16:30

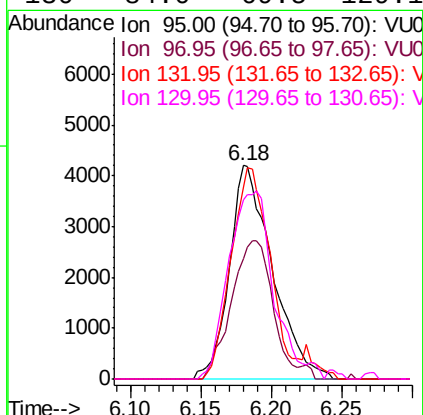
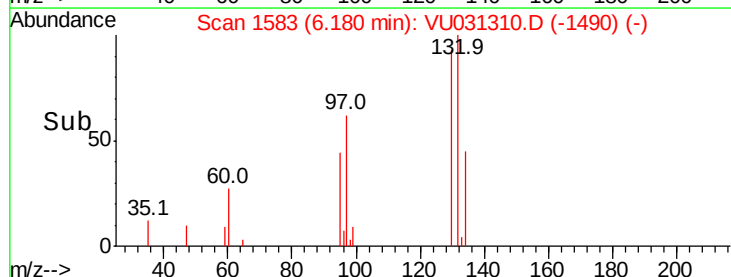
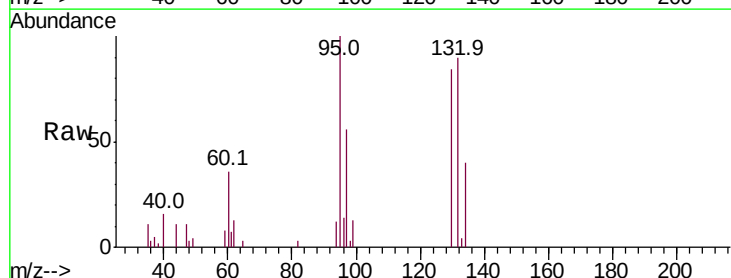
Instrument :
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YAMZ3DL

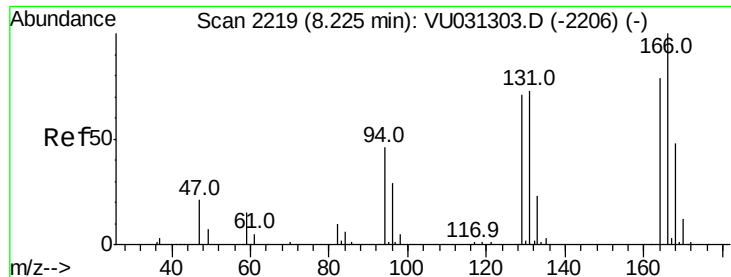
Tot Ion: 84 Resp: 6262
Ion Ratio Lower Upper
84 100
86 59.7 44.1 81.9
49 122.9 94.6 175.6



#34
Trichloroethene
Concen: 0.488 ug/L
RT: 6.18 min Scan# 1583
Delta R.T. 0.00 min
Lab File: VU031310.D
Acq: 18 Apr 2019 16:30

Tgt Ion: 95 Resp: 8971
Ion Ratio Lower Upper
95 100
97 56.1 46.8 86.8
132 90.1 65.8 122.2
130 84.0 69.5 129.1





#47

Tetrachloroethene

Concen: 12.929 ug/L

RT: 8.22 min Scan# 2218

Delta R.T. 0.00 min

Lab File: VU031310.D

Acq: 18 Apr 2019 16:30

Instrument :

MSVOA_U

ClientSampleId :

YAMZ3DL

Tot Ion:164 Resp: 177261

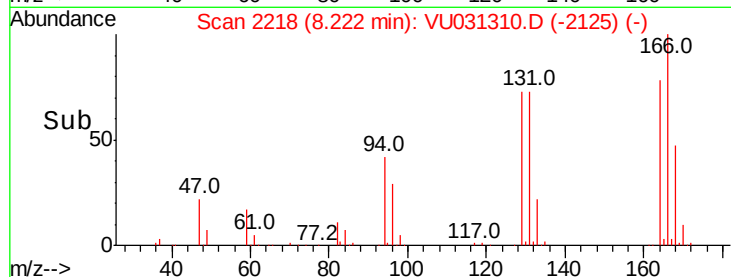
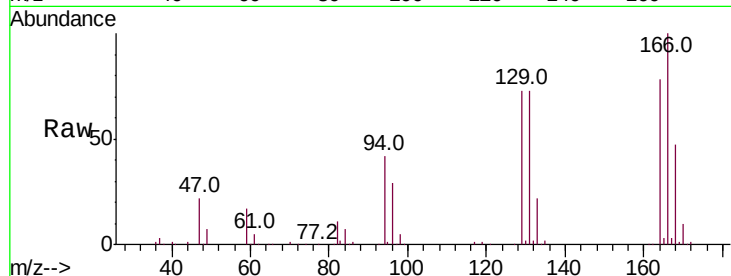
Ion Ratio Lower Upper

164 100

129 93.6 61.9 114.9

131 93.0 61.5 114.3

166 128.0 84.6 157.0



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

