

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU090819\
 Data File : VU034406.D
 Acq On : 08 Sep 2019 02:16
 Operator : JC/SP
 Sample : K4703-09
 Misc : 25.0mL/MSVOA U/WATER
 ALS Vial : 42 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 BFD92

Quant Time: Sep 09 06:04:20 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR090119WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Sun Sep 08 03:44:03 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.87	114	277996	5.00	ug/L	0.00
28) Chlorobenzene-d5	9.07	117	287015	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.46	152	129309	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.40	65	73888	3.95	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	79.00%
7) Chloroethane-d5	1.68	69	68454	4.56	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	91.20%
11) 1,1-Dichloroethene-d2	2.26	63	120026	3.42	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	68.40%
20) 2-Butanone-d5	4.17	46	222296	51.40	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	102.80%
24) Chloroform-d	4.63	84	158677	4.80	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	96.00%
26) 1,2-Dichloroethane-d4	5.29	65	79208	4.85	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	97.00%
32) Benzene-d6	5.32	84	321941	4.31	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	86.20%
36) 1,2-Dichloropropane-d6	6.31	67	107668	4.63	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	92.60%
41) Toluene-d8	7.55	98	272517	3.89	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	77.80%
43) trans-1,3-Dichloropropene-	7.83	79	32757	3.96	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	79.20%
46) 2-Hexanone-d5	8.30	63	160061	44.69	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	89.38%
57) 1,1,2,2-Tetrachloroethane-	10.41	84	88236	5.11	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	102.20%
64) 1,2-Dichlorobenzene-d4	11.84	152	117164	5.27	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	105.40%

Target Compounds

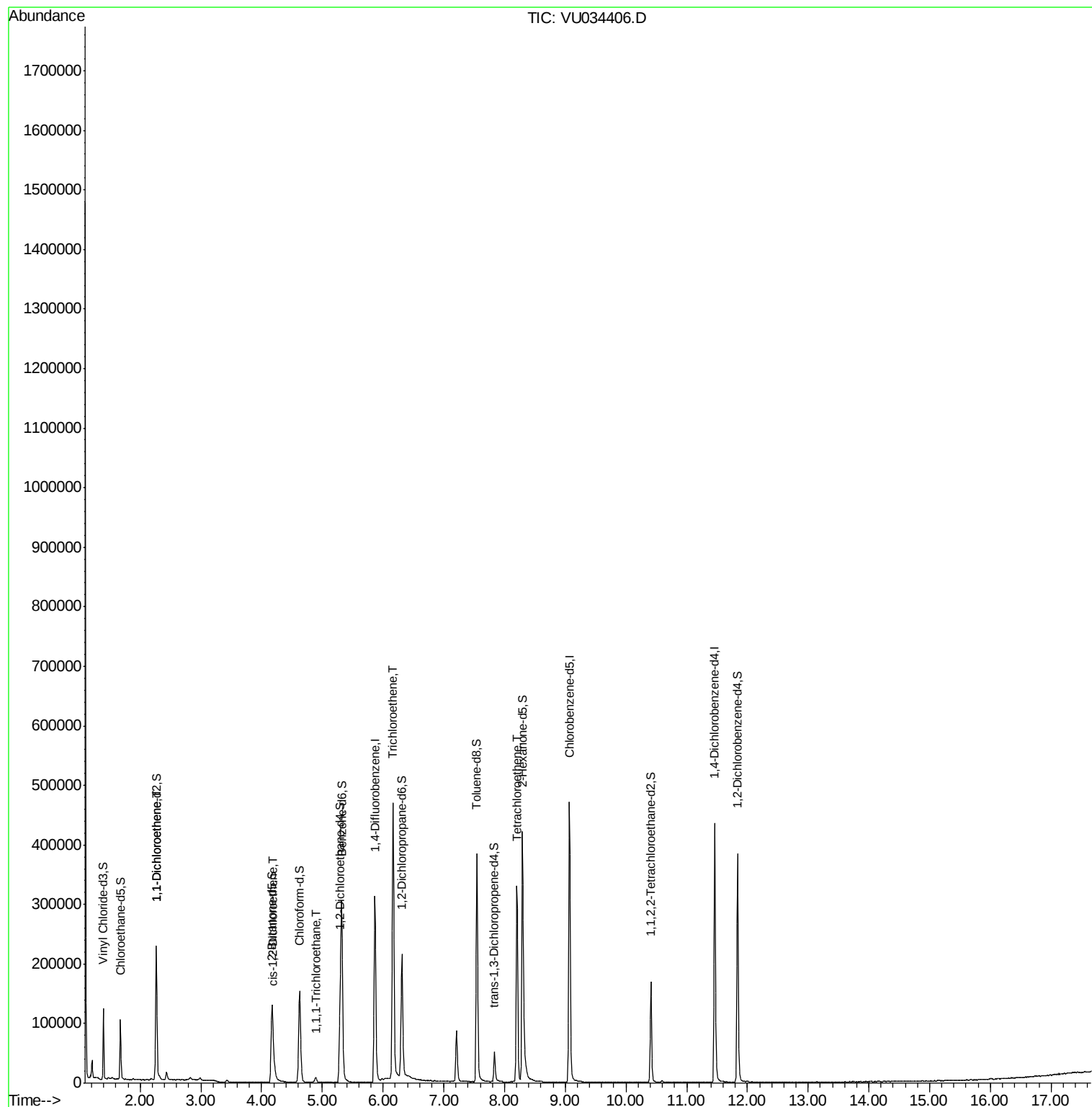
					Ovalue
12) 1,1-Dichloroethene	2.27	96	18370	1.062 ug/L	# 1
22) cis-1,2-Dichloroethene	4.20	96	2853	0.136 ug/L	97
29) 1,1,1-Trichloroethane	4.89	97	6367	0.202 ug/L	96
34) Trichloroethene	6.16	95	164504	7.352 ug/L	97
47) Tetrachloroethene	8.21	164	81588	4.437 ug/L	95

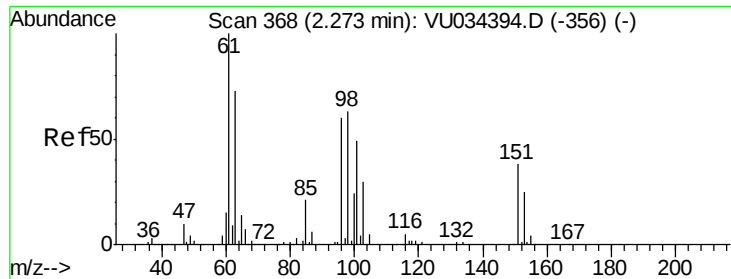
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#12

1,1-Dichloroethene

Concen: 1.062 ug/L

RT: 2.27 min Scan# 368

Delta R.T. -0.00 min

Lab File: VU034406.D

Acq: 08 Sep 2019 02:16

Instrument :

MSVOA_U

ClientSampled :

BFD92

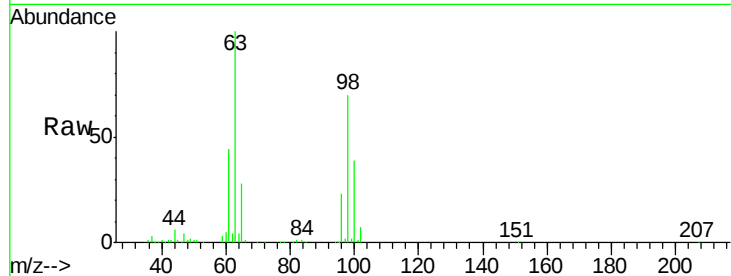
Tot Ion: 96 Resp: 18370

Ion Ratio Lower Upper

96 100

61 191.1 126.6 235.0

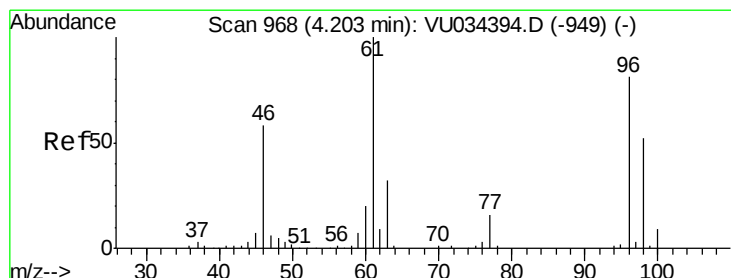
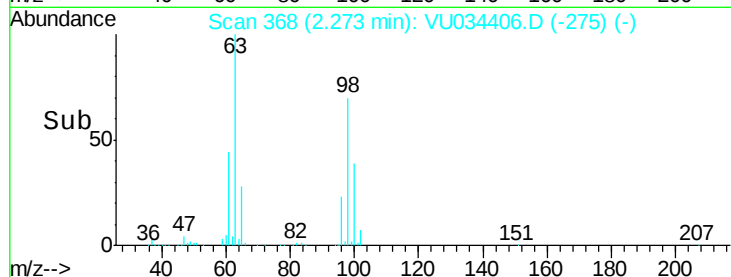
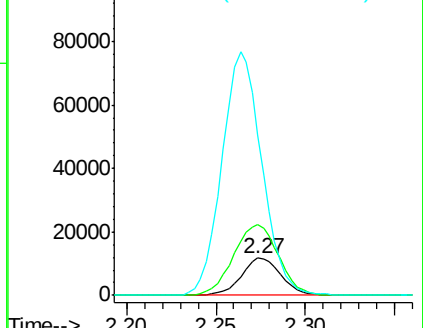
63 433.2 94.5 175.5#



Abundance Ion 96.00 (95.70 to 96.70): VU034406.D (-275) (-)

Ion 61.05 (60.75 to 61.75): VU034406.D (-275) (-)

Ion 63.00 (62.70 to 63.70): VU034406.D (-275) (-)



#22

cis-1,2-Dichloroethene

Concen: 0.136 ug/L

RT: 4.20 min Scan# 967

Delta R.T. -0.00 min

Lab File: VU034406.D

Acq: 08 Sep 2019 02:16

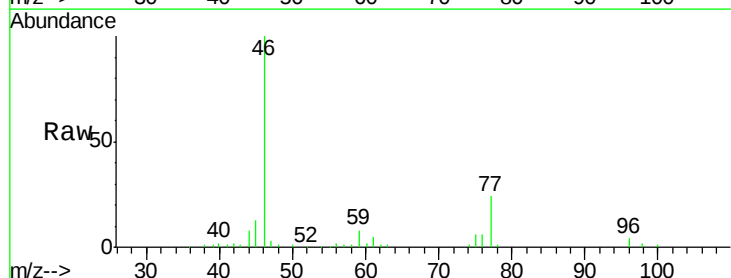
Tgt Ion: 96 Resp: 2853

Ion Ratio Lower Upper

96 100

61 130.5 93.6 173.8

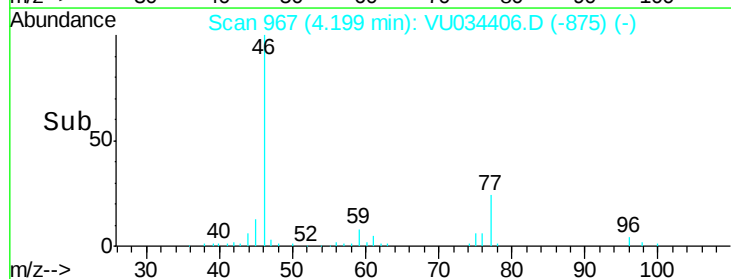
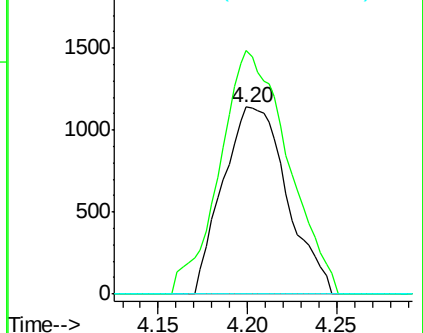
68 0.0 0.0 0.0

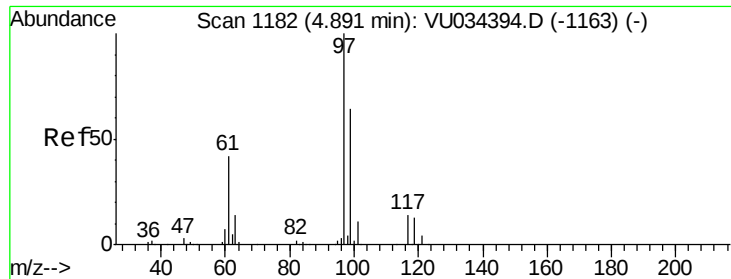


Abundance Ion 96.00 (95.70 to 96.70): VU034406.D (-875) (-)

Ion 61.05 (60.75 to 61.75): VU034406.D (-875) (-)

Ion 68.15 (67.85 to 68.85): VU034406.D (-875) (-)

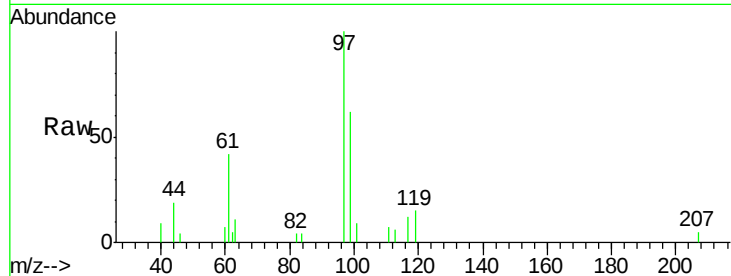




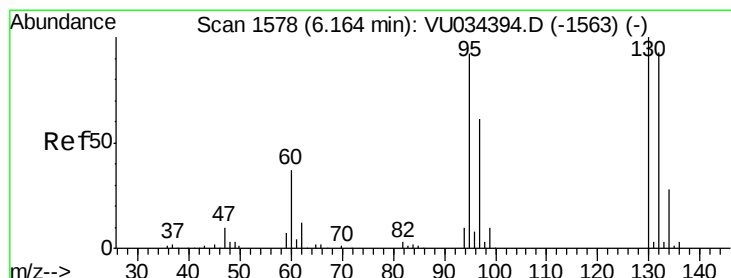
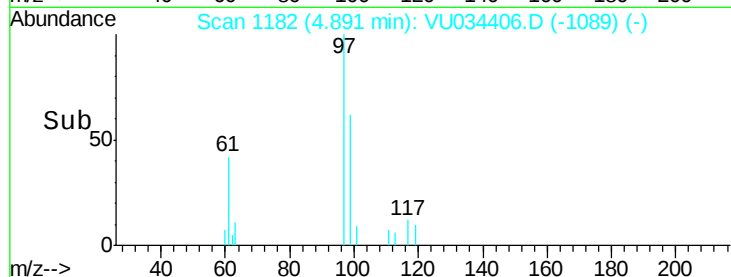
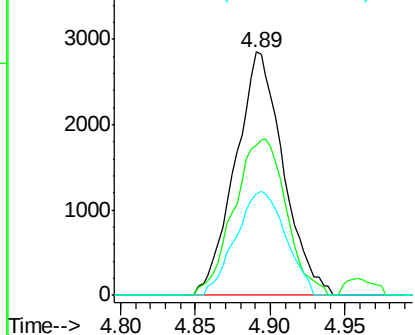
#29
1,1,1-Trichloroethane
Concen: 0.202 ug/L
RT: 4.89 min Scan# 1182
Delta R.T. -0.00 min
Lab File: VU034406.D
Acq: 08 Sep 2019 02:16

Instrument :
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Tot Ion: 97 Resp: 6367
Ion Ratio Lower Upper
97 100
99 69.8 52.1 78.1
61 44.4 35.4 53.2

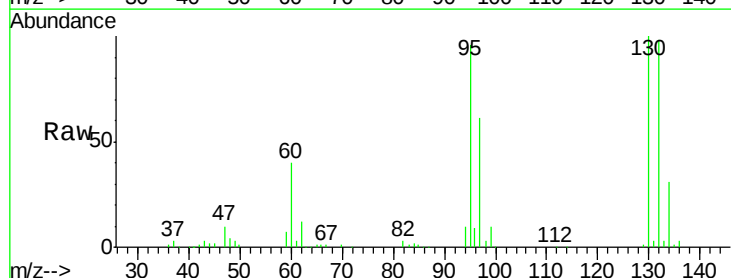


Abundance Ion 96.95 (96.65 to 97.65): VU0
Ion 99.05 (98.75 to 99.75): VU0
Ion 61.05 (60.75 to 61.75): VU0

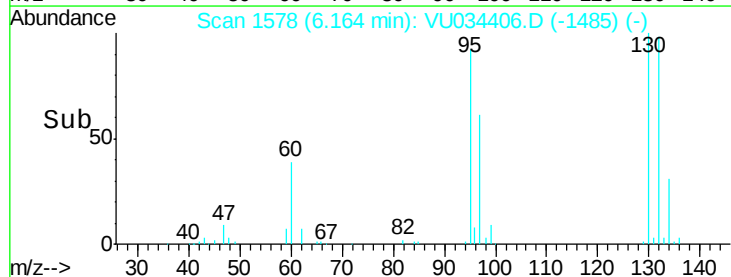
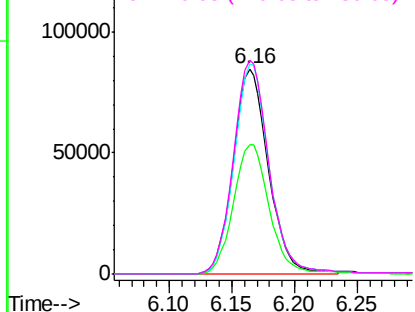


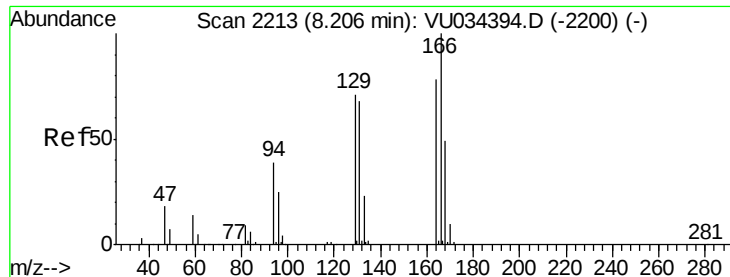
#34
Trichloroethene
Concen: 7.352 ug/L
RT: 6.16 min Scan# 1578
Delta R.T. -0.00 min
Lab File: VU034406.D
Acq: 08 Sep 2019 02:16

Tgt Ion: 95 Resp: 164504
Ion Ratio Lower Upper
95 100
97 63.3 43.3 80.5
132 102.4 68.6 127.4
130 104.1 70.5 130.9



Abundance Ion 95.00 (94.70 to 95.70): VU0
Ion 96.95 (96.65 to 97.65): VU0
Ion 131.95 (131.65 to 132.65): V
Ion 129.95 (129.65 to 130.65): V





#47

Tetrachloroethene

Concen: 4.437 ug/L

RT: 8.21 min Scan# 2213

Delta R.T. -0.00 min

Lab File: VU034406.D

Acq: 08 Sep 2019 02:16

Instrument :
MSVOA_U
ClientSampleId :
BFD92

Tot Ion:164 Resp: 81588

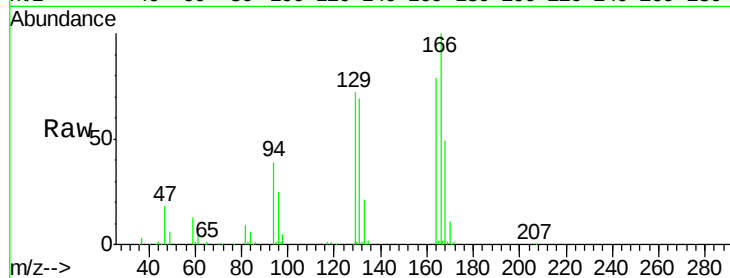
Ion Ratio Lower Upper

164 100

129 91.1 68.0 126.2

131 87.7 64.6 120.0

166 127.1 92.0 170.8



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

