

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\U121719\
 Data File : VU036251.D
 Acq On : 17 Dec 2019 12:06
 Operator : JC/MD
 Sample : K6234-12DL 5X
 Misc : 25.0mL/MSVOA U/WATER
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 BFE63DL

Quant Time: Dec 18 02:49:01 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR121319WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Wed Dec 18 01:23:38 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	6.29	114	227934	5.00	ug/L	0.00
28) Chlorobenzene-d5	9.45	117	254256	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.84	152	76000	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.62	65	80969	4.03	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	80.60%
7) Chloroethane-d5	1.93	69	82371	4.58	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	91.60%
11) 1,1-Dichloroethene-d2	2.59	63	91627	3.16	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	63.20%
20) 2-Butanone-d5	4.68	46	183766	48.87	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	97.74%
24) Chloroform-d	5.11	84	121810	3.77	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	75.40%
26) 1,2-Dichloroethane-d4	5.75	65	84364	4.98	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	99.60%
32) Benzene-d6	5.77	84	279099	4.37	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	87.40%
36) 1,2-Dichloropropane-d6	6.73	67	93338	4.64	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	92.80%
41) Toluene-d8	7.93	98	225928	3.76	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	75.20%
43) trans-1,3-Dichloropropene-	8.21	79	35795	4.32	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	86.40%
46) 2-Hexanone-d5	8.69	63	138444	43.70	ug/L	0.01
Spiked Amount	50.000	Range	45 - 130	Recovery	=	87.40%
57) 1,1,1,2,2-Tetrachloroethane-	10.79	84	85116	4.62	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	92.40%
64) 1,2-Dichlorobenzene-d4	12.22	152	74821	5.14	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	102.80%

Target Compounds

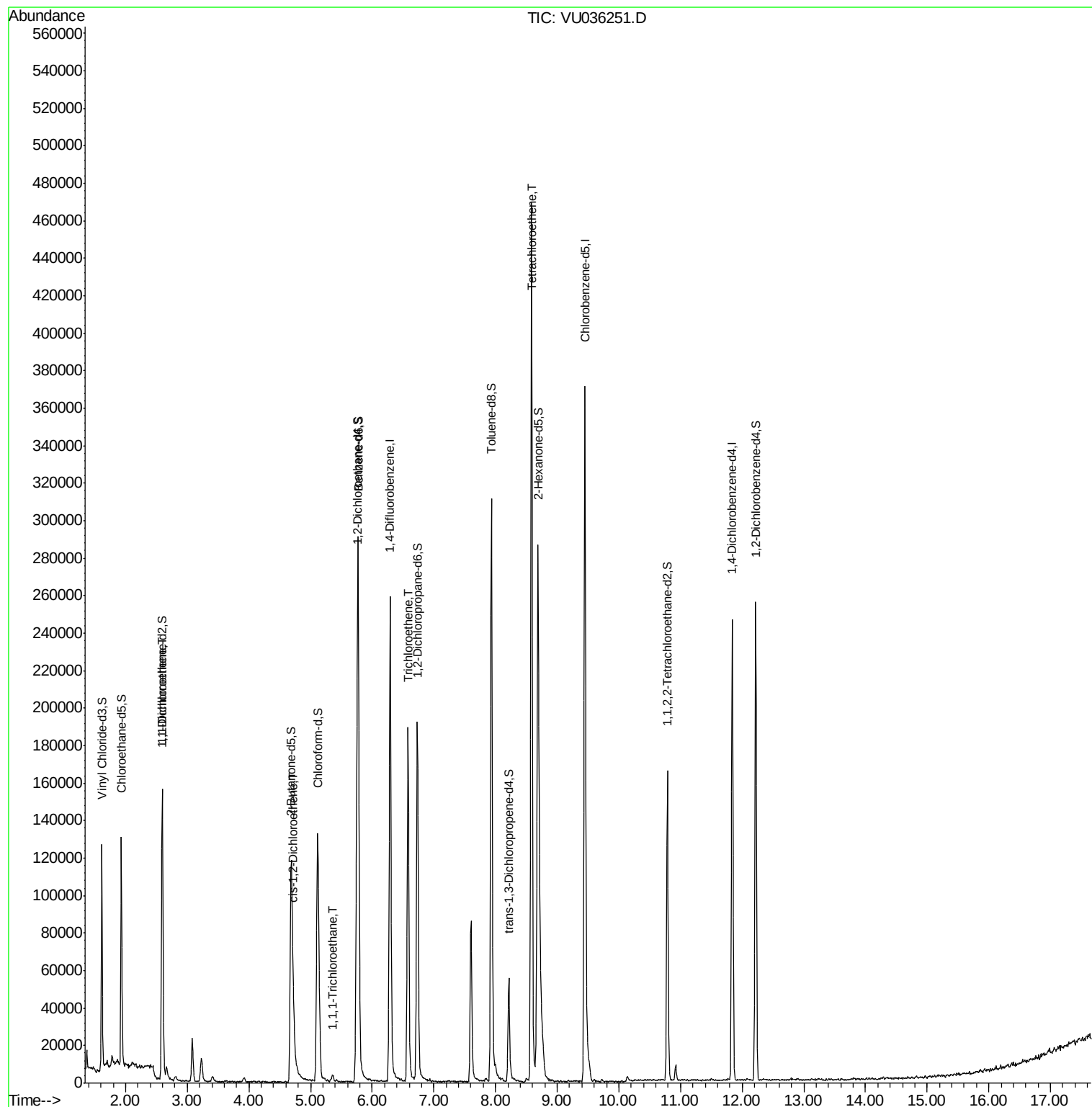
					Ovalue
12) 1,1-Dichloroethene	2.61	96	4851	0.287 ug/L #	1
22) cis-1,2-Dichloroethene	4.72	96	12644	0.666 ug/L	96
29) 1,1,1-Trichloroethane	5.37	97	2640	0.084 ug/L #	76
34) Trichloroethene	6.58	95	67038	3.328 ug/L	99
47) Tetrachloroethene	8.58	164	116335	6.394 ug/L	97

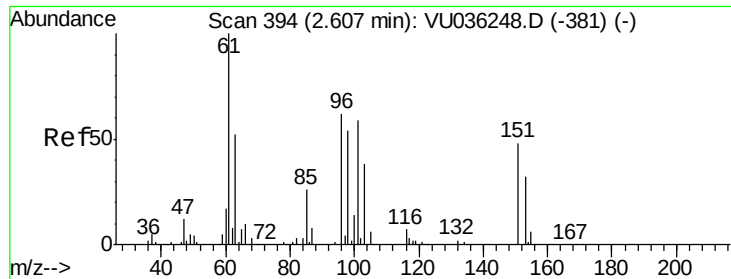
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#12

1,1-Dichloroethene

Concen: 0.287 ug/L

RT: 2.61 min Scan# 394

Delta R.T. 0.00 min

Lab File: VU036251.D

Acq: 17 Dec 2019 12:06

Instrument :

MSVOA_U

ClientSampled :

BF63DL

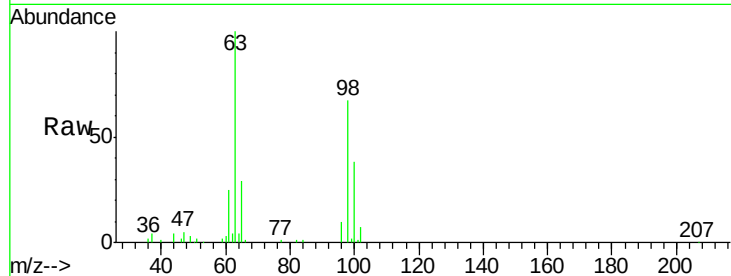
Tot Ion: 96 Resp: 4851

Ion Ratio Lower Upper

96 100

61 263.8 114.0 211.8#

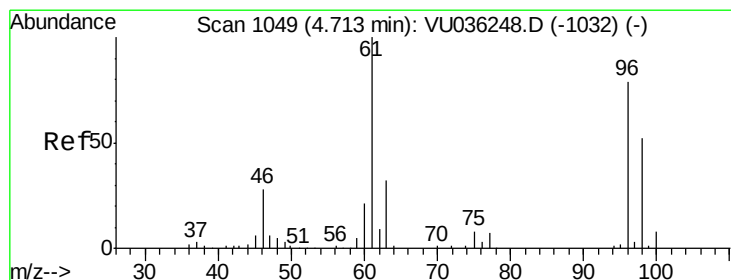
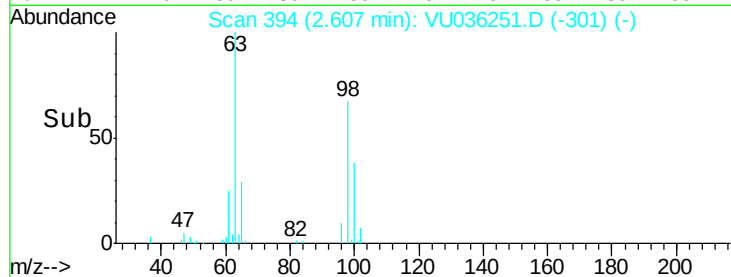
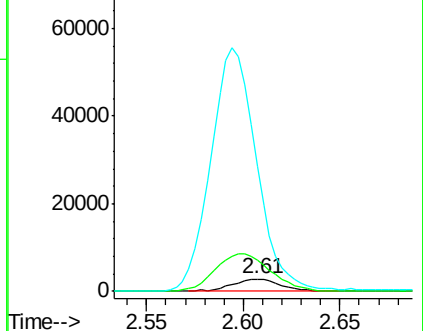
63 1042.3 63.6 118.0#



Abundance Ion 96.00 (95.70 to 96.70): VU036251.D (-301) (-)

Ion 61.05 (60.75 to 61.75): VU036251.D (-301) (-)

Ion 63.00 (62.70 to 63.70): VU036251.D (-301) (-)



#22

cis-1,2-Dichloroethene

Concen: 0.666 ug/L

RT: 4.72 min Scan# 1051

Delta R.T. 0.01 min

Lab File: VU036251.D

Acq: 17 Dec 2019 12:06

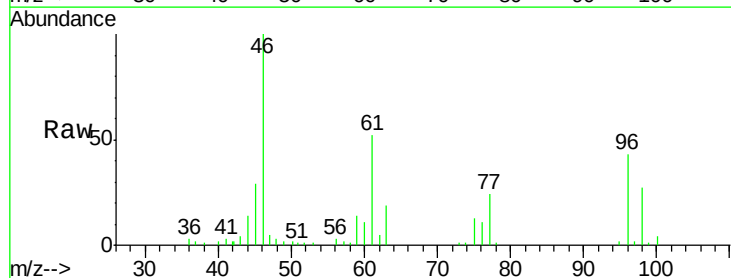
Tgt Ion: 96 Resp: 12644

Ion Ratio Lower Upper

96 100

61 119.6 86.7 161.1

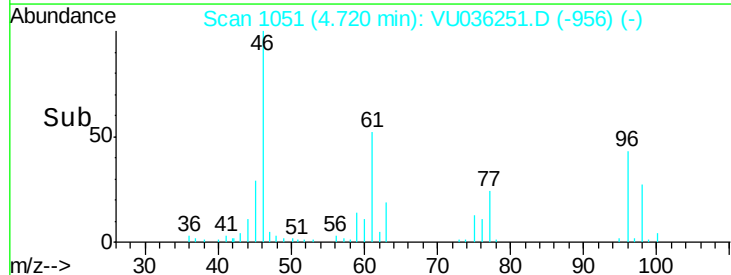
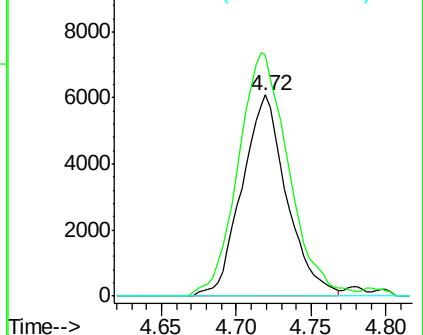
68 0.0 0.0 0.0

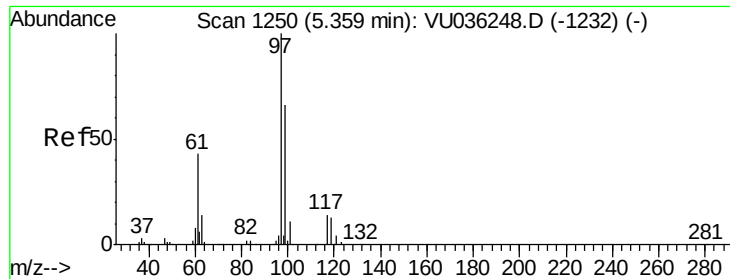


Abundance Ion 96.00 (95.70 to 96.70): VU036251.D (-956) (-)

Ion 61.05 (60.75 to 61.75): VU036251.D (-956) (-)

Ion 68.15 (67.85 to 68.85): VU036251.D (-956) (-)

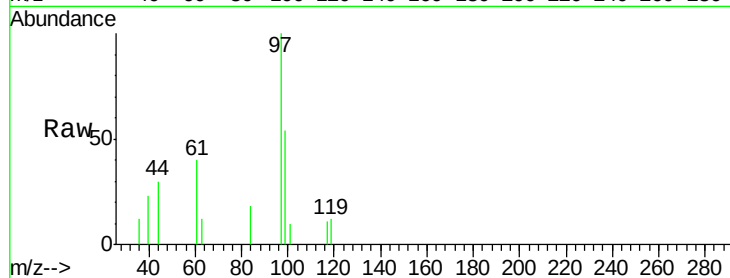




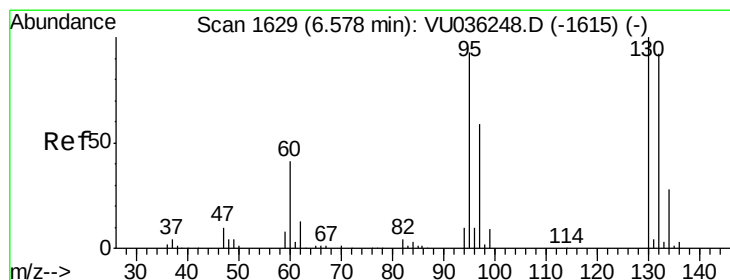
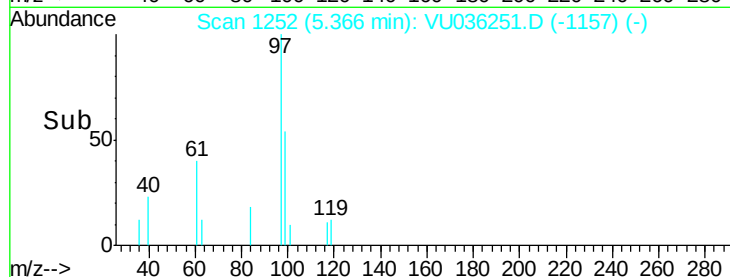
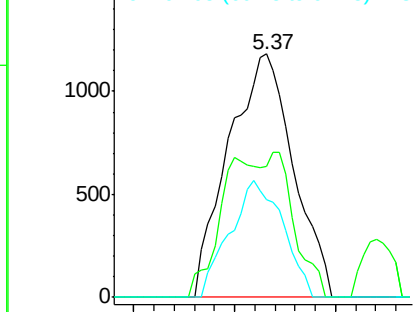
#29
1,1,1-Trichloroethane
Concen: 0.084 ug/L
RT: 5.37 min Scan# 1252
Delta R.T. 0.01 min
Lab File: VU036251.D
Acq: 17 Dec 2019 12:06

Instrument :
MSVOA_U
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BFE63DL

Tot Ion: 97 Resp: 2640
Ion Ratio Lower Upper
97 100
99 36.3 51.4 77.2#
61 39.4 35.0 52.6

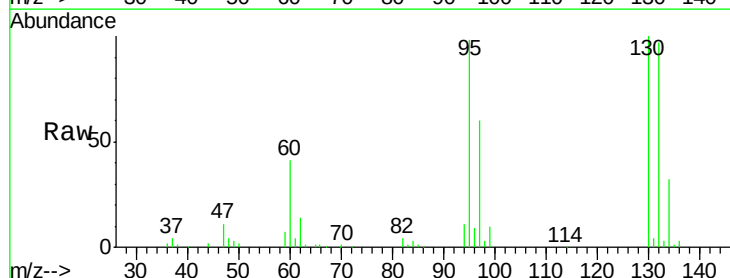


Abundance Ion 96.95 (96.65 to 97.65): VU0
Ion 99.05 (98.75 to 99.75): VU0
Ion 61.05 (60.75 to 61.75): VU0

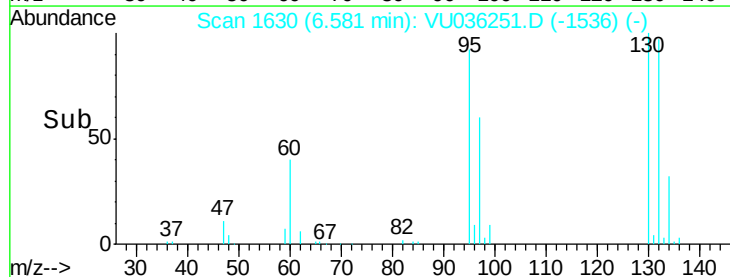
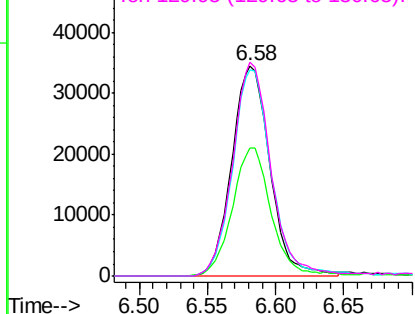


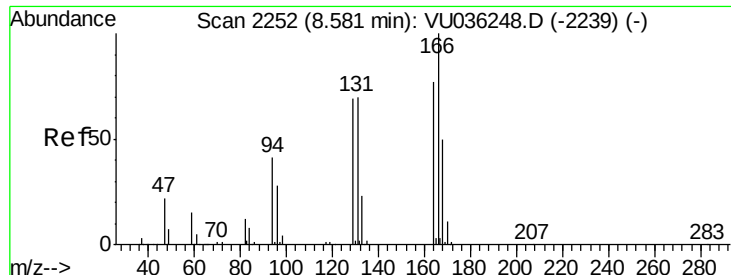
#34
Trichloroethene
Concen: 3.328 ug/L
RT: 6.58 min Scan# 1630
Delta R.T. 0.00 min
Lab File: VU036251.D
Acq: 17 Dec 2019 12:06

Tgt Ion: 95 Resp: 67038
Ion Ratio Lower Upper
95 100
97 61.2 43.6 81.0
132 98.4 69.6 129.2
130 101.7 70.3 130.7



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: 6.394 ug/L

RT: 8.58 min Scan# 2253

Delta R.T. 0.00 min

Lab File: VU036251.D

Acq: 17 Dec 2019 12:06

Instrument :

MSVOA_U

ClientSampleId :

BFE63DL

Tot Ion:164 Resp: 116335

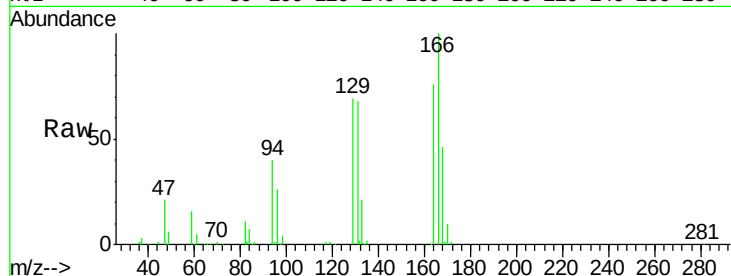
Ion Ratio Lower Upper

164 100

129 90.2 64.2 119.2

131 88.8 66.6 123.8

166 131.2 93.1 172.9



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

