

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV031019\
 Data File : VV009576.D
 Acq On : 10 Mar 2019 19:19
 Operator : SY/MD
 Sample : K1818-13
 Misc : 5.64G/10ML/MSVOA V/SOIL
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 BF0R3

Quant Time: Mar 11 09:24:08 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOM2VLM030519S.M
 Quant Title : VOC Analysis
 QLast Update : Mon Mar 11 04:48:46 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.67	114	142767	25.00	ug/L	0.00
28) Chlorobenzene-d5	8.90	117	138481	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.30	152	63700	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	27089	15.76	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	63.04%
7) Chloroethane-d5	1.57	69	30974	12.46	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	49.84%
10) 1,1-Dichloroethene-d2	2.13	63	69045	15.44	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	61.76%
20) 2-Butanone-d5	3.93	46	25251	43.12	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	86.24%
24) Chloroform-d	4.40	84	69377	20.40	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	81.60%
26) 1,2-Dichloroethane-d4	5.08	65	45896	23.72	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	94.88%
29) Benzene-d6	5.10	84	155270	22.64	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	90.56%
33) 1,2-Dichloropropane-d6	6.12	67	48578	24.00	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	96.00%
37) Toluene-d8	7.36	98	148332	22.18	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	88.72%
38) trans-1,3-Dichloropropene-	7.66	79	20011	20.40	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	81.60%
39) 2-Hexanone-d5	8.13	63	18307	38.76	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	77.52%
48) 1,1,1,2,2-Tetrachloroethane-	10.26	84	46819	21.71	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	86.84%
61) 1,2-Dichlorobenzene-d4	11.68	152	53683	23.09	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	92.36%

Target Compounds

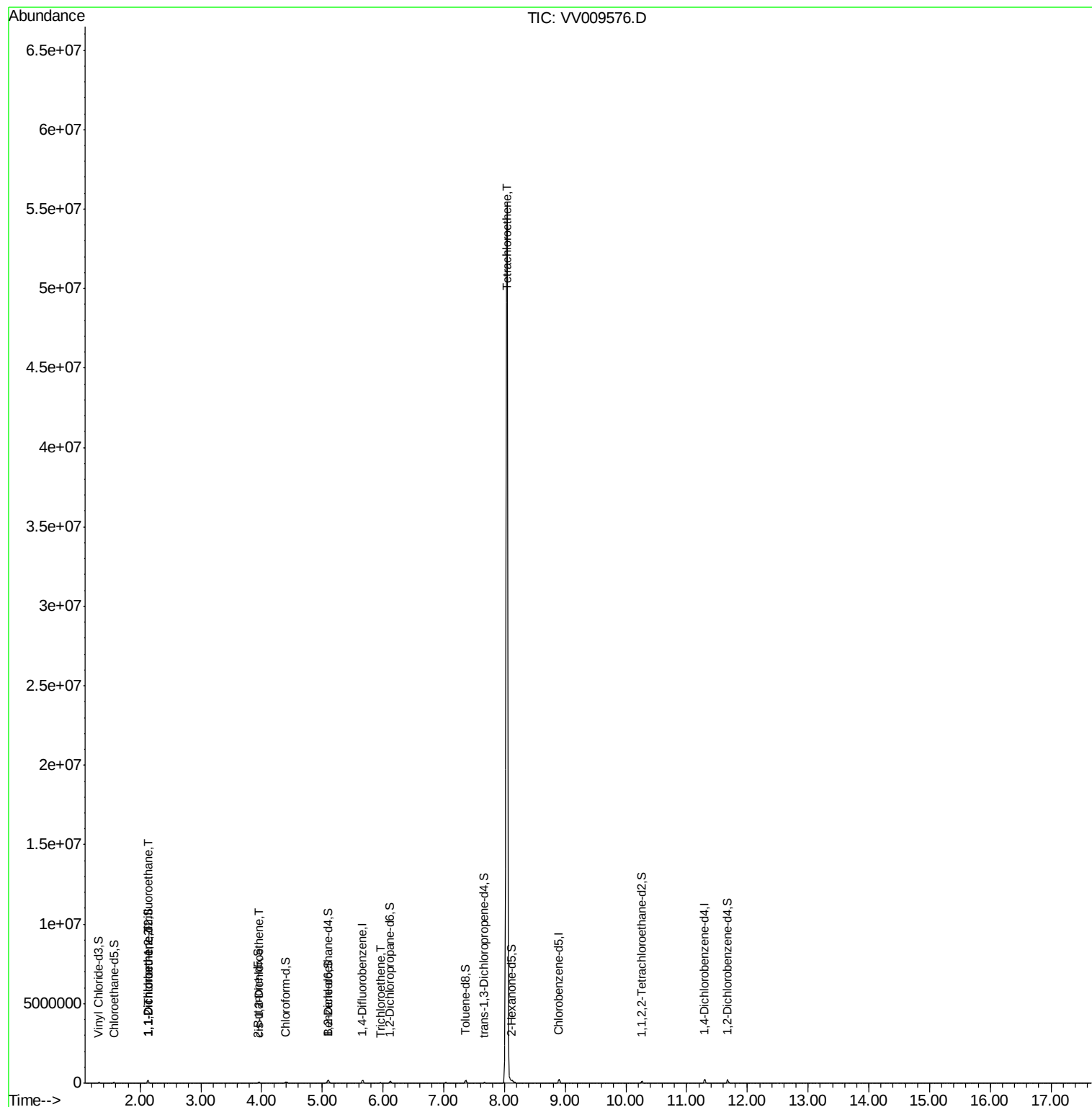
					Ovalue
11) 1,1,2-Trichloro-1,2,2-trif	2.13	101	3710	1.672 ug/L	89
12) 1,1-Dichloroethene	2.14	96	9657	5.088 ug/L	# 1
22) cis-1,2-Dichloroethene	3.96	96	15355	7.978 ug/L	92
35) Trichloroethene	5.96	95	11348	5.518 ug/L	98
47) Tetrachloroethene	8.04	164	15128457	9699.358 ug/L	93

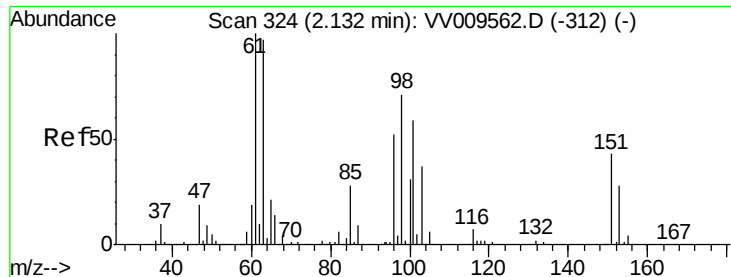
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : VOC Analysis
QLast Update : Mon Mar 11 04:48:46 2019
Response via : Initial Calibration





#11

1,1,2-Trichloro-1,2,2-trifluoroethane

Concen: 1.672 ug/L

RT: 2.13 min Scan# 324

Delta R.T. 0.00 min

Lab File: VV009576.D

Acq: 10 Mar 2019 19:19

Instrument :

MSVOA_V

ClientSampleId :

BF0R3

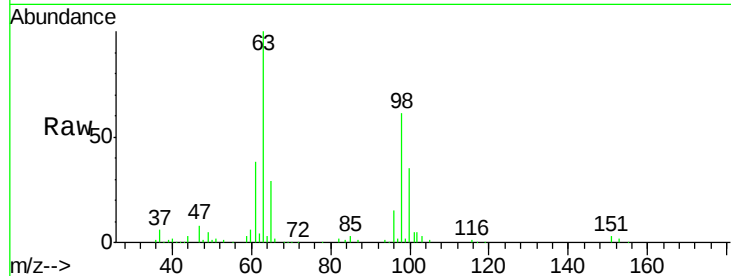
Tot Ion:101 Resp: 3710

Ion Ratio Lower Upper

101 100

85 40.9 40.1 60.1

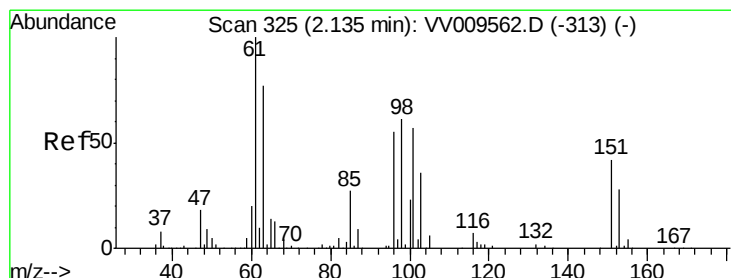
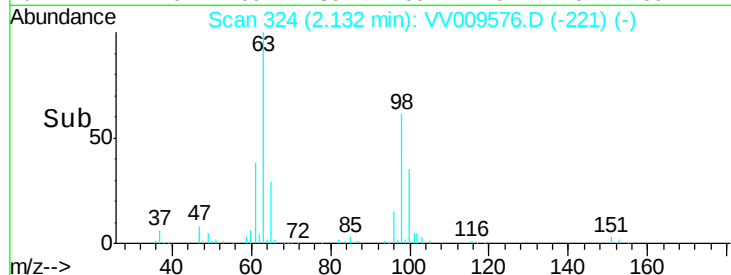
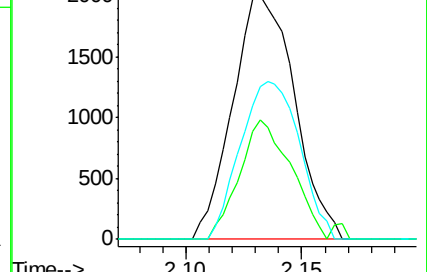
151 61.8 55.9 83.9



Abundance Ion 101.00 (100.70 to 101.70): VV009576.D (-221) (-)

Ion 85.00 (84.70 to 85.70): VV009576.D (-221) (-)

Ion 151.00 (150.70 to 151.70): VV009576.D (-221) (-)



#12

1,1-Dichloroethene

Concen: 5.088 ug/L

RT: 2.14 min Scan# 325

Delta R.T. 0.00 min

Lab File: VV009576.D

Acq: 10 Mar 2019 19:19

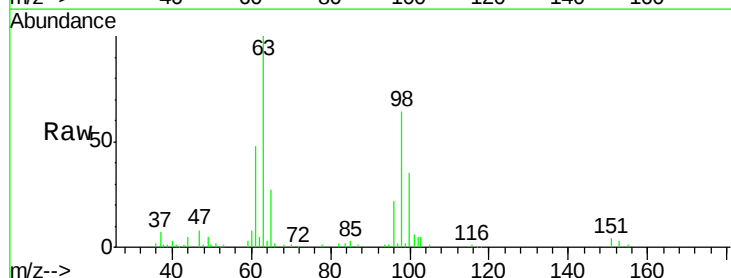
Tgt Ion: 96 Resp: 9657

Ion Ratio Lower Upper

96 100

61 215.7 136.9 254.3

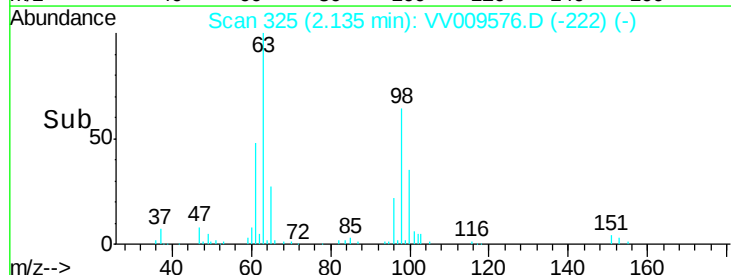
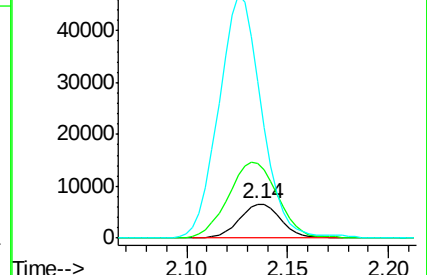
63 454.1 108.7 201.9#

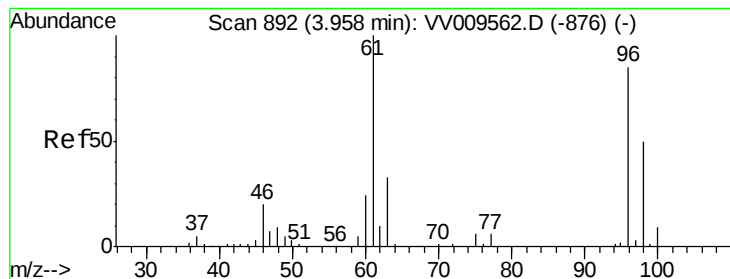


Abundance Ion 96.00 (95.70 to 96.70): VV009576.D (-222) (-)

Ion 61.00 (60.70 to 61.70): VV009576.D (-222) (-)

Ion 63.00 (62.70 to 63.70): VV009576.D (-222) (-)





#22

cis-1,2-Dichloroethene

Concen: 7.978 ug/L

RT: 3.96 min Scan# 893

Delta R.T. 0.00 min

Lab File: VV009576.D

Acq: 10 Mar 2019 19:19

Instrument :

MSVOA_V

ClientSampleId :

BF0R3

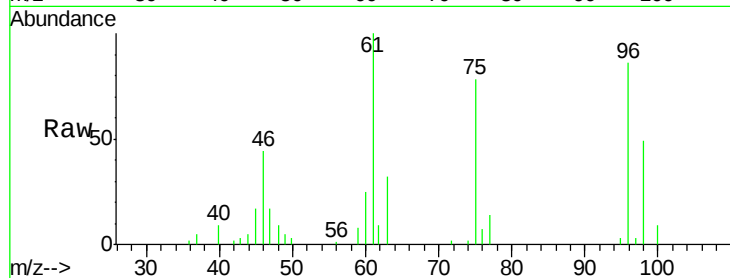
Tot Ion: 96 Resp: 15355

Ion Ratio Lower Upper

96 100

61 116.2 87.2 161.9

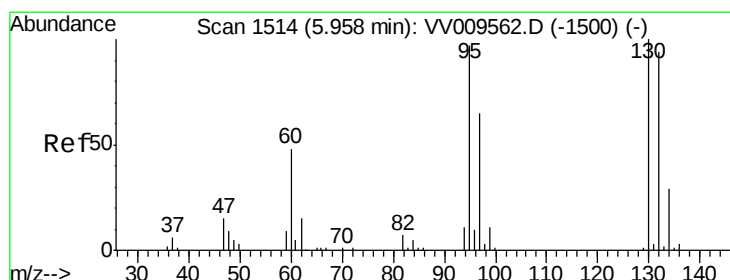
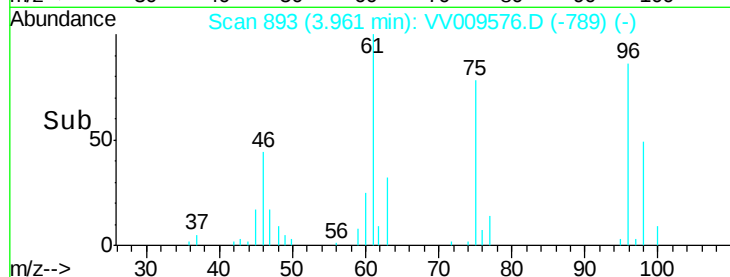
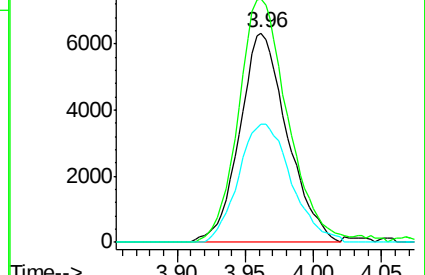
98 56.7 44.6 82.8



Abundance Ion 96.00 (95.70 to 96.70): VV009576.D (-1411) (-)

Ion 61.00 (60.70 to 61.70): VV009576.D (-1411) (-)

Ion 98.00 (97.70 to 98.70): VV009576.D (-1411) (-)



#35

Trichloroethene

Concen: 5.518 ug/L

RT: 5.96 min Scan# 1515

Delta R.T. 0.00 min

Lab File: VV009576.D

Acq: 10 Mar 2019 19:19

Tgt Ion: 95 Resp: 11348

Ion Ratio Lower Upper

95 100

97 64.1 44.3 82.3

132 94.9 64.4 119.6

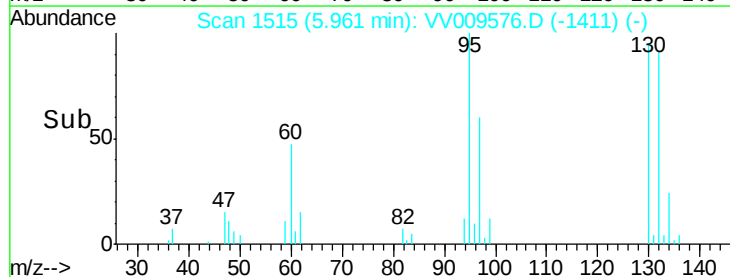
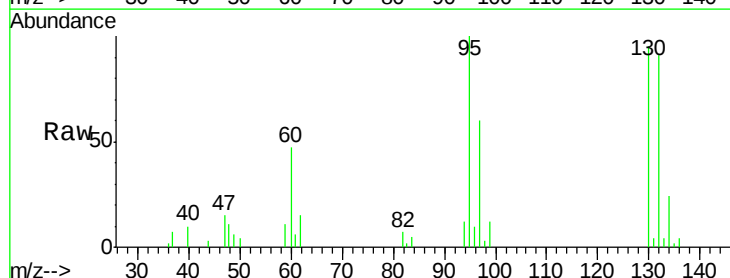
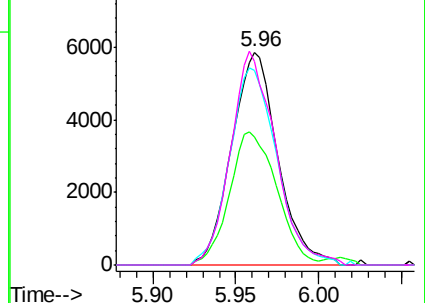
130 98.0 69.4 128.8

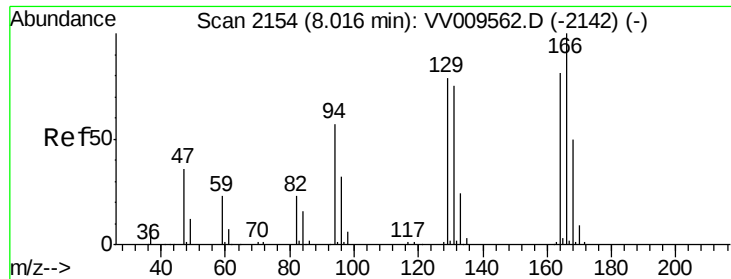
Abundance Ion 95.00 (94.70 to 95.70): VV009576.D (-1411) (-)

Ion 97.00 (96.70 to 97.70): VV009576.D (-1411) (-)

Ion 132.00 (131.70 to 132.70): VV009576.D (-1411) (-)

Ion 130.00 (129.70 to 130.70): VV009576.D (-1411) (-)





#47

Tetrachloroethene

Concen: 9699.358 ug/L

RT: 8.04 min Scan# 2162

Delta R.T. 0.03 min

Lab File: VV009576.D

Acq: 10 Mar 2019 19:19

Instrument :
MSVOA_V
ClientSampleId :
BF0R3

Tot Ion:164 Resp:15128457

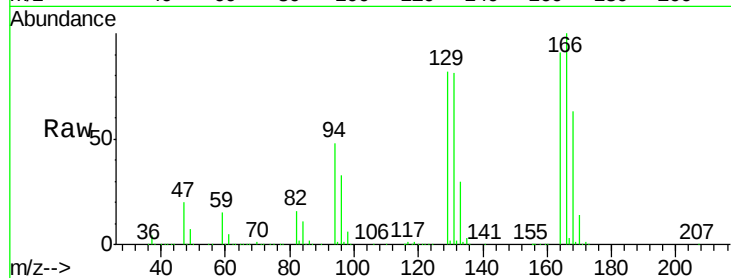
Ion Ratio Lower Upper

164 100

129 90.5 67.7 125.7

131 88.9 67.5 125.3

166 109.8 81.6 151.6



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

