

Data Path : Z:\VOASRV\HPCHEM1\MSVOA R\DATA\VR101618\
 Data File : VR026106.D
 Acq On : 16 Oct 2018 18:13
 Operator : SY/MD
 Sample : J5464-01
 Misc : 25mL/MSVOA R/WATER
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_R
 ClientSampleId :
 C0JD6

Quant Time: Oct 17 17:25:41 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_R\METHODS\SOMRTR101518WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Wed Oct 17 08:49:24 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	8.46	114	520155	5.00	ug/L	0.00
28) Chlorobenzene-d5	11.29	117	429497	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	13.23	152	133030	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	2.15	65	241669	5.31	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	106.20%
7) Chloroethane-d5	2.63	69	206510	5.28	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	105.60%
11) 1,1-Dichloroethene-d2	3.61	63	444244	3.97	ug/L	-0.01
Spiked Amount	5.000	Range	60 - 125	Recovery	=	79.40%
20) 2-Butanone-d5	6.59	46	195263	52.25	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	104.50%
24) Chloroform-d	7.20	84	341486	4.72	ug/L	-0.01
Spiked Amount	5.000	Range	70 - 125	Recovery	=	94.40%
26) 1,2-Dichloroethane-d4	7.90	65	144606	4.80	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	96.00%
32) Benzene-d6	7.85	84	700795	5.08	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	101.60%
36) 1,2-Dichloropropane-d6	8.90	67	188755	5.30	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	106.00%
41) Toluene-d8	9.97	98	653547	5.01	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	100.20%
43) trans-1,3-Dichloropropene-	10.24	79	41499	4.44	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	88.80%
46) 2-Hexanone-d5	10.59	63	153182	56.76	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	113.52%
57) 1,1,2,2-Tetrachloroethane-	12.36	84	67673	4.84	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	96.80%
64) 1,2-Dichlorobenzene-d4	13.52	152	112523	5.35	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	107.00%

Target Compounds

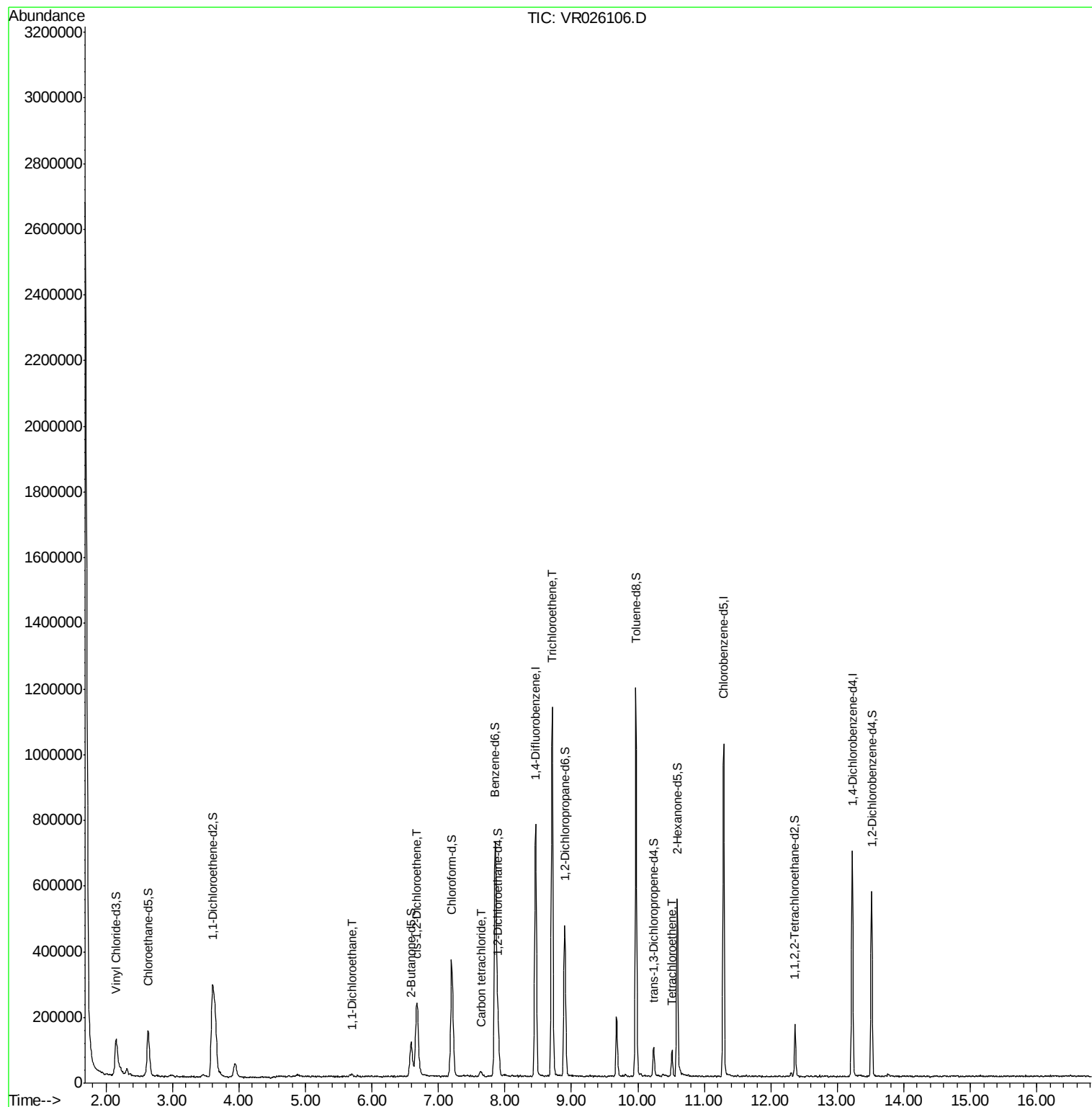
					Ovalue
19) 1,1-Dichloroethane	5.70	63	9857	0.137 ug/L #	83
22) cis-1,2-Dichloroethene	6.67	96	101445	2.804 ug/L #	97
31) Carbon tetrachloride	7.63	117	11235	0.211 ug/L	98
34) Trichloroethene	8.71	95	356186	8.635 ug/L	99
47) Tetrachloroethene	10.51	164	13635	0.463 ug/L	81

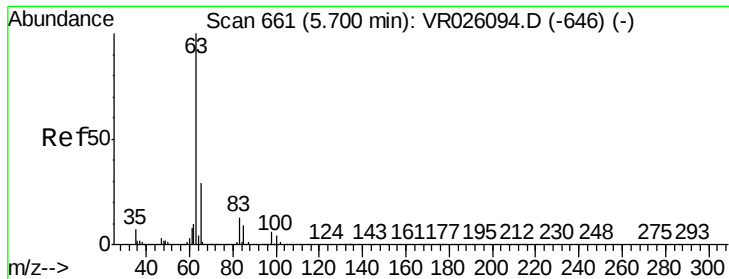
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#19

1,1-Dichloroethane

Concen: 0.137 ug/L

RT: 5.70 min Scan# 661

Delta R.T. -0.00 min

Lab File: VR026106.D

Acq: 16 Oct 2018 18:13

Instrument :

MSVOA_R

ClientSampleId :

C0JD6

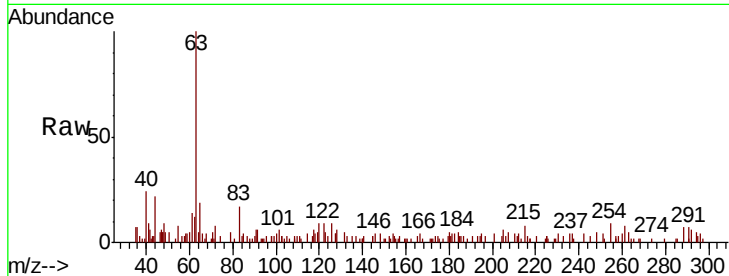
Tot Ion: 63 Resp: 9857

Ion Ratio Lower Upper

63 100

65 19.0 21.2 39.4#

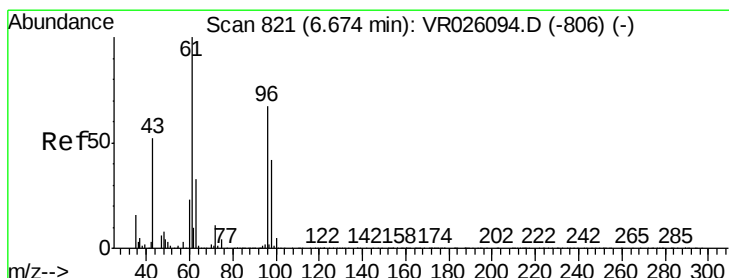
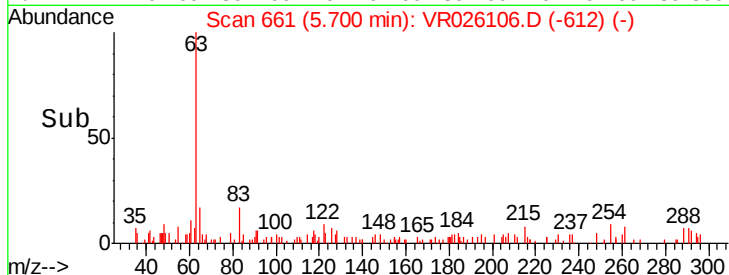
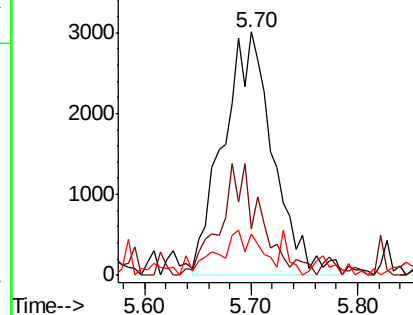
83 16.9 9.2 17.2



Abundance Ion 63.10 (62.80 to 63.80): VR0

Ion 65.10 (64.80 to 65.80): VR0

Ion 83.05 (82.75 to 83.75): VR0



#22

cis-1,2-Dichloroethene

Concen: 2.804 ug/L

RT: 6.67 min Scan# 821

Delta R.T. -0.00 min

Lab File: VR026106.D

Acq: 16 Oct 2018 18:13

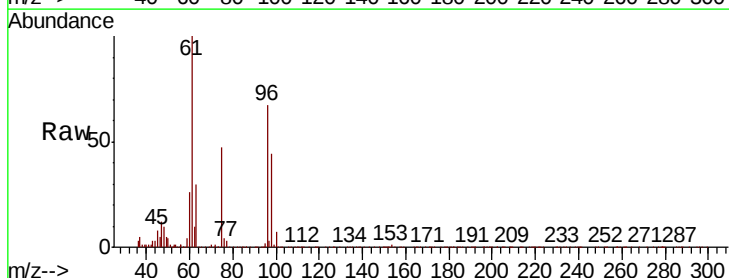
Tgt Ion: 96 Resp: 101445

Ion Ratio Lower Upper

96 100

61 149.1 101.8 189.0

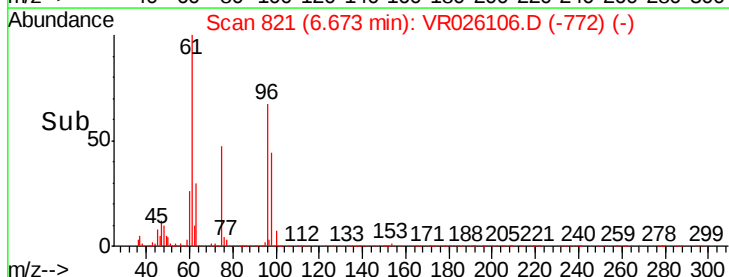
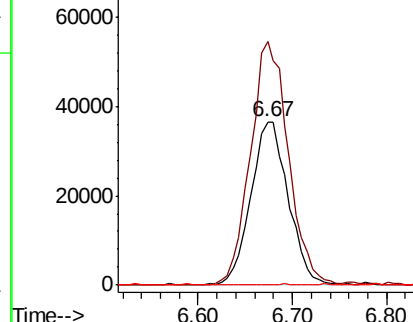
68 0.0 0.1 0.3#

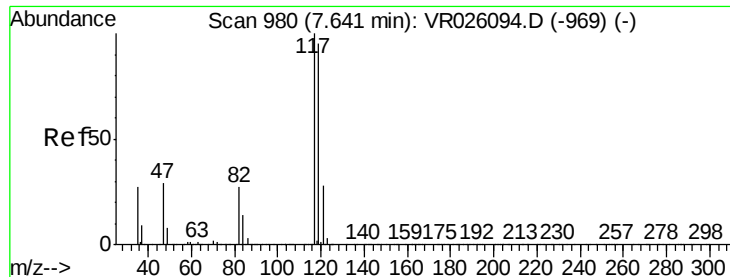


Abundance Ion 96.00 (95.70 to 96.70): VR0

Ion 61.05 (60.75 to 61.75): VR0

Ion 68.15 (67.85 to 68.85): VR0



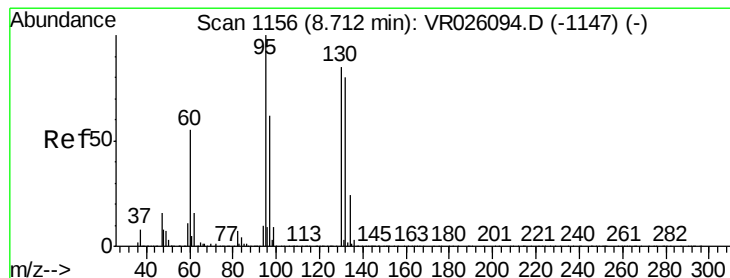
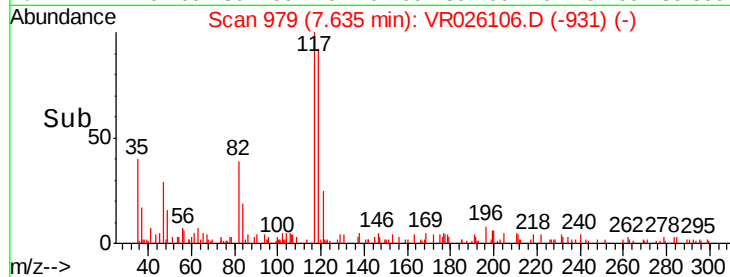
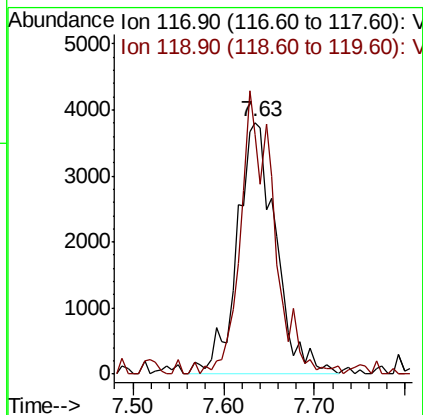
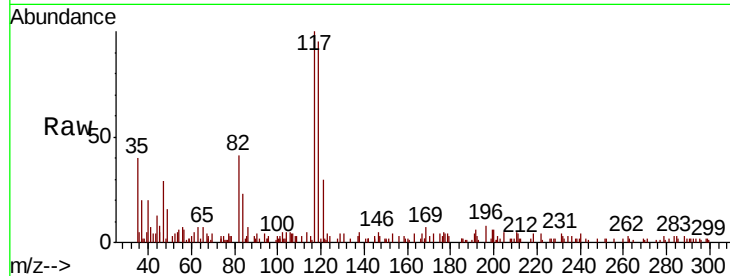


#31

Carbon tetrachloride
Concen: 0.211 ug/L
RT: 7.63 min Scan# 979
Delta R.T. -0.01 min
Lab File: VR026106.D
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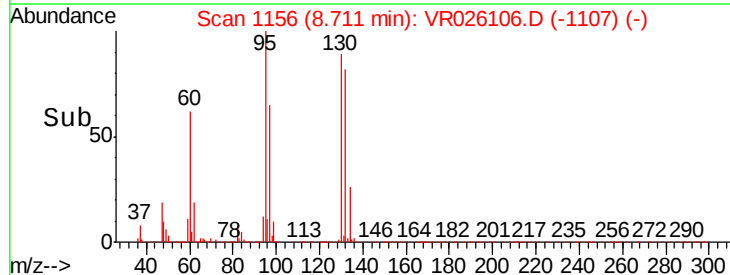
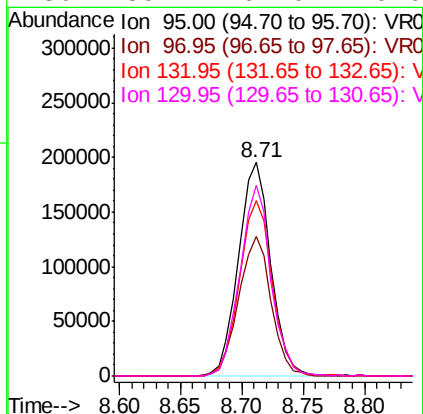
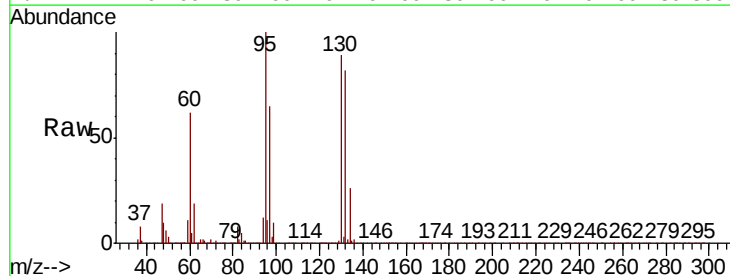
Tot Ion:117 Resp: 11235
Ion Ratio Lower Upper
117 100
119 95.0 74.2 111.2

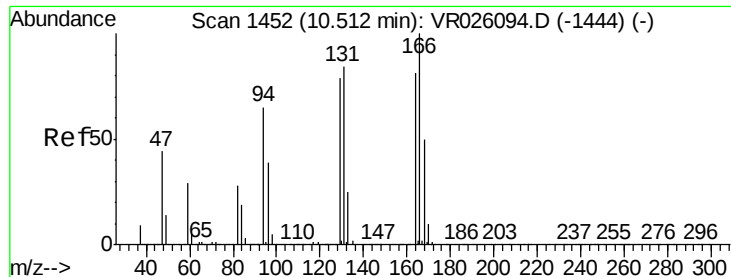


#34

Trichloroethene
Concen: 8.635 ug/L
RT: 8.71 min Scan# 1156
Delta R.T. -0.00 min
Lab File: VR026106.D
Acq: 16 Oct 2018 18:13

Tgt Ion: 95 Resp: 356186
Ion Ratio Lower Upper
95 100
97 65.4 45.7 84.9
132 82.4 58.3 108.3
130 89.2 64.0 119.0





#47

Tetrachloroethene

Concen: 0.463 ug/L

RT: 10.51 min Scan# 1452

Delta R.T. -0.00 min

Lab File: VR026106.D

Acq: 16 Oct 2018 18:13

Instrument :

MSVOA_R

ClientSampleId :

C0JD6

Tot Ion:164 Resp: 13635

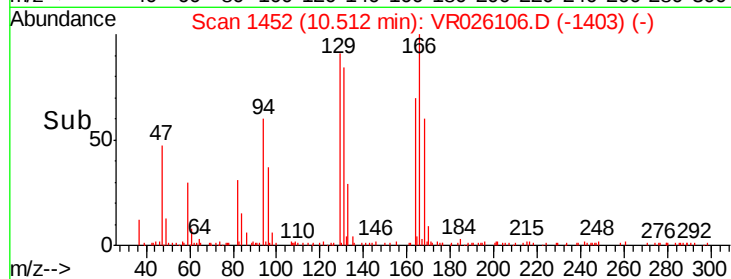
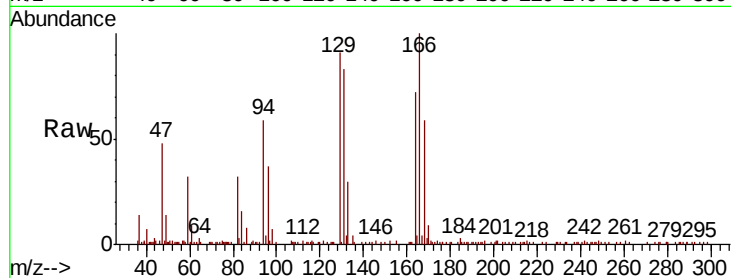
Ion Ratio Lower Upper

164 100

129 126.3 70.3 130.5

131 114.9 67.3 125.1

166 138.6 86.1 159.9



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

