

Data Path : Z:\VOASRV\HPCHEM1\MSVOA R\DATA\VR071918\
 Data File : VR025525.D
 Acq On : 19 Jul 2018 17:15
 Operator : SY/MD
 Sample : J3960-13
 Misc : 25mL/MSVOA R/WATER
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_R
 ClientSampleId :
 C0AJ5

Quant Time: Jul 20 02:08:04 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_R\METHODS\SOMRTR070518WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Fri Jul 20 01:22:24 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	8.46	114	593185	5.00	ug/L	0.00
28) Chlorobenzene-d5	11.29	117	489810	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	13.22	152	160983	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	2.15	65	108887	6.66	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	133.20%#
7) Chloroethane-d5	2.63	69	83576	6.00	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	120.00%
11) 1,1-Dichloroethene-d2	3.63	63	224502	4.53	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	90.60%
20) 2-Butanone-d5	6.60	46	255376	50.28	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	100.56%
24) Chloroform-d	7.21	84	432097	5.34	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	106.80%
26) 1,2-Dichloroethane-d4	7.89	65	164929	5.32	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	106.40%
32) Benzene-d6	7.86	84	950429	5.80	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	116.00%
36) 1,2-Dichloropropane-d6	8.90	67	267569	5.63	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	112.60%
41) Toluene-d8	9.97	98	834113	5.80	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	116.00%
43) trans-1,3-Dichloropropene-	10.24	79	60954	4.84	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	96.80%
46) 2-Hexanone-d5	10.59	63	241568	59.33	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	118.66%
57) 1,1,2,2-Tetrachloroethane-	12.36	84	109990	5.17	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	103.40%
64) 1,2-Dichlorobenzene-d4	13.51	152	179902	6.77	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	135.40%#

Target Compounds

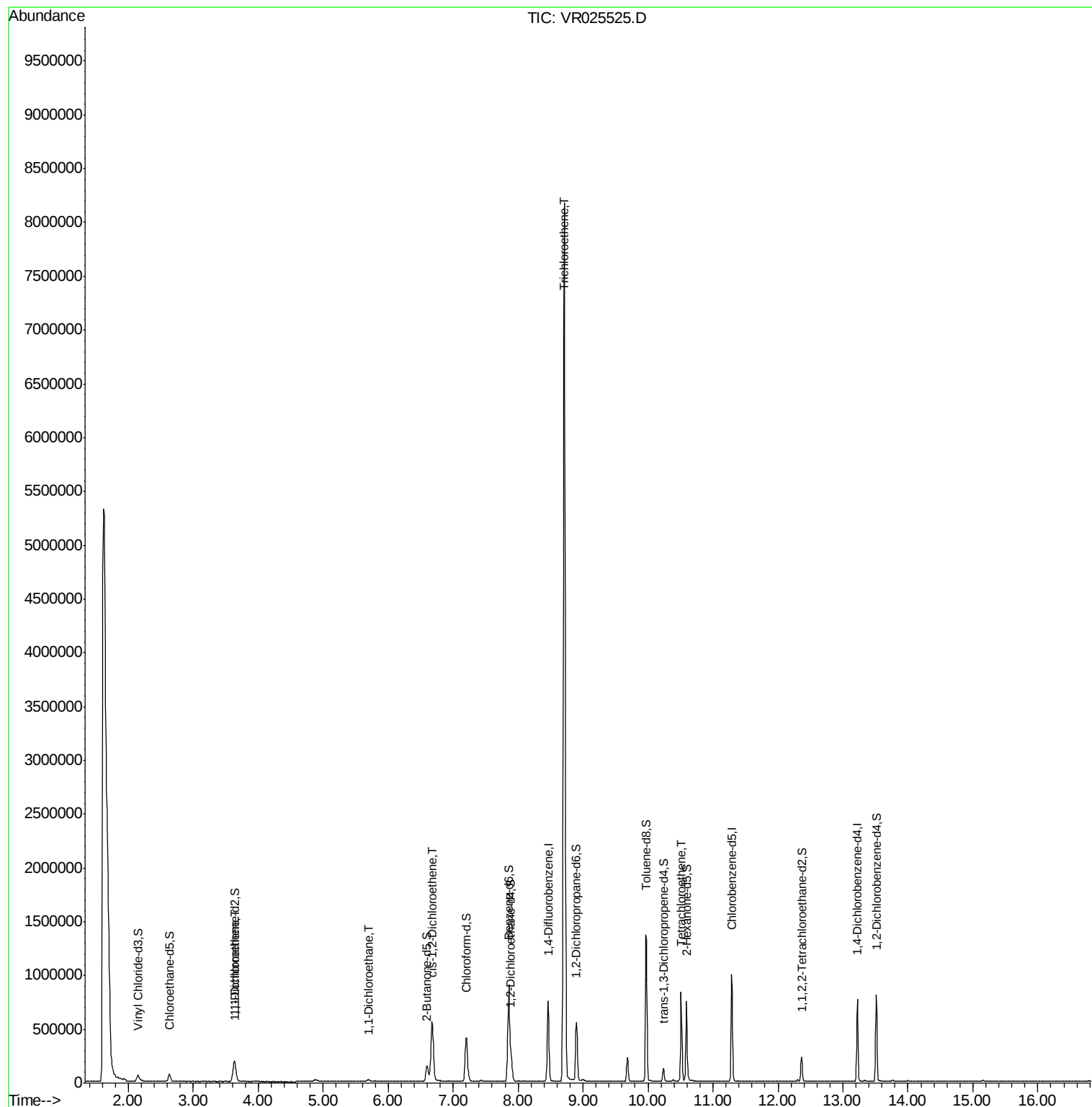
					Ovalue
12) 1,1-Dichloroethene	3.65	96	11303	0.64 ug/L	# 1
19) 1,1-Dichloroethane	5.69	63	20933	0.28 ug/L	90
22) cis-1,2-Dichloroethene	6.68	96	343810	8.49 ug/L	# 92
34) Trichloroethene	8.71	95	2963180	68.94 ug/L	99
47) Tetrachloroethene	10.51	164	163425	5.82 ug/L	94

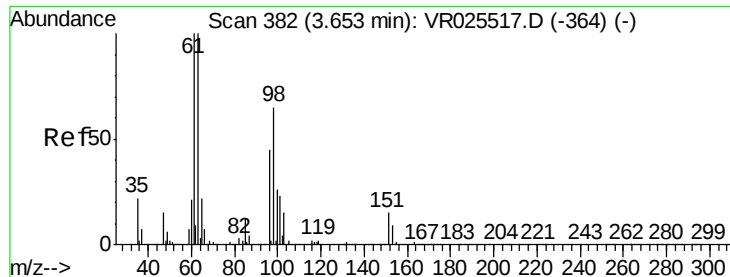
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#12

1,1-Dichloroethene

Concen: 0.64 ug/L

RT: 3.65 min Scan# 382

Delta R.T. 0.00 min

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MSVOA_R

ClientSampleId :

C0AJ5

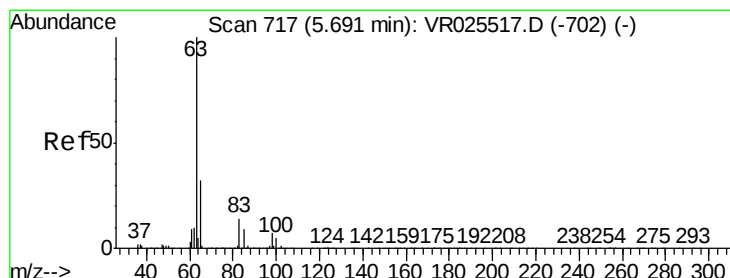
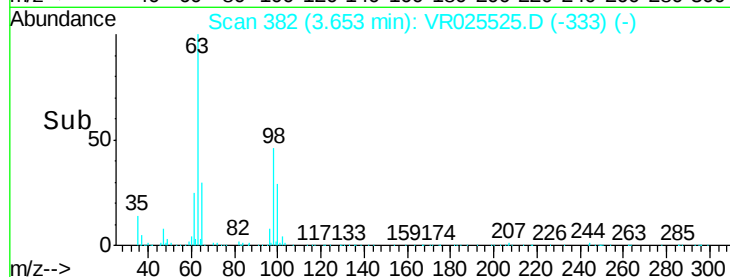
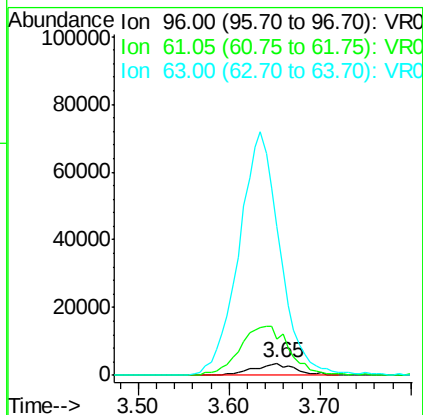
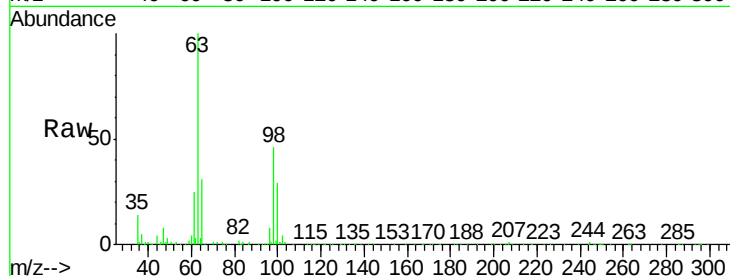
Tot Ion: 96 Resp: 11303

Ion Ratio Lower Upper

96 100

61 304.1 155.0 287.9#

63 1230.8 122.3 227.1#



#19

1,1-Dichloroethane

Concen: 0.28 ug/L

RT: 5.69 min Scan# 717

Delta R.T. 0.00 min

Lab File: VR025525.D

Acq: 19 Jul 2018 17:15

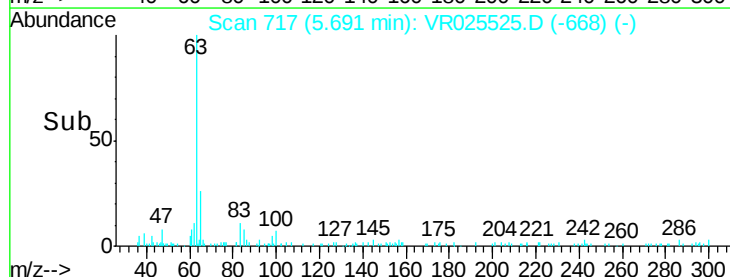
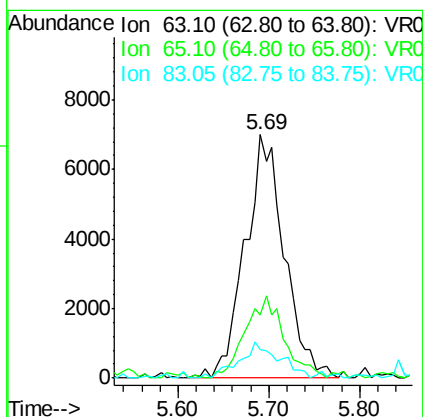
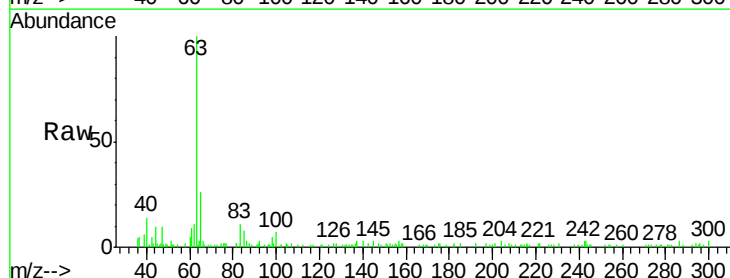
Tgt Ion: 63 Resp: 20933

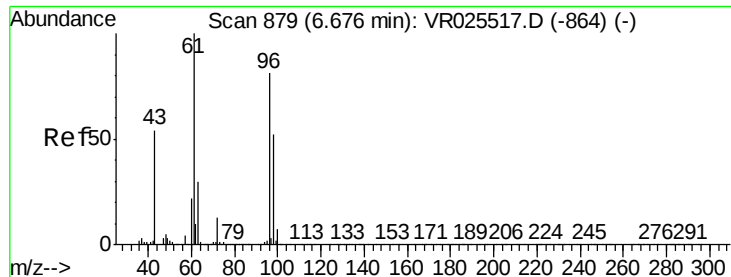
Ion Ratio Lower Upper

63 100

65 25.4 22.5 41.7

83 11.7 9.5 17.7





#22

cis-1,2-Dichloroethene

Concen: 8.49 ug/L

RT: 6.68 min Scan# 879

Delta R.T. 0.00 min

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Instrument :

MSVOA_R

ClientSampleId :

C0AJ5

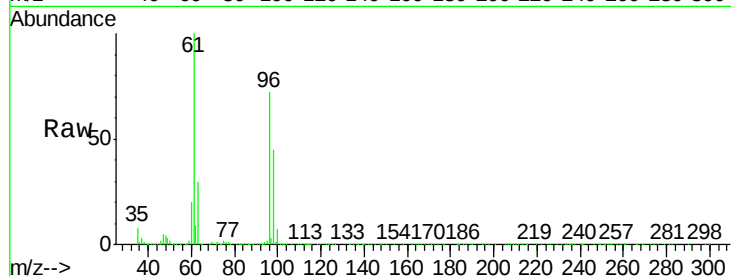
Tot Ion: 96 Resp: 343810

Ion Ratio Lower Upper

96 100

61 139.6 91.0 169.0

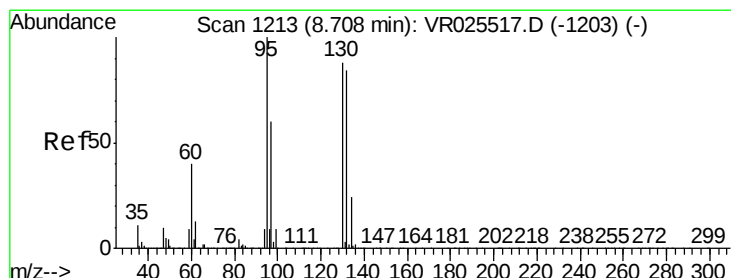
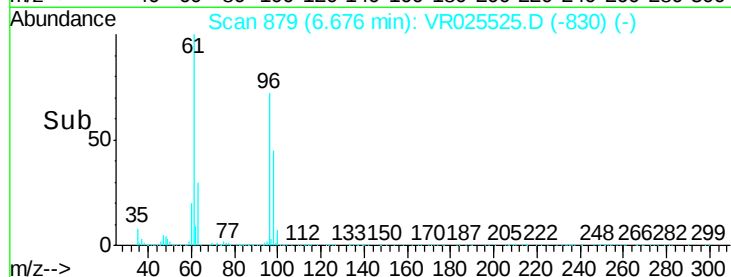
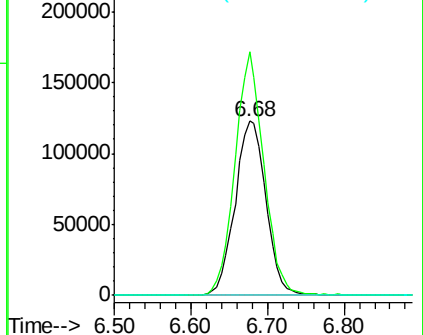
68 0.1 0.0 0.0#



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



#34

Trichloroethene

Concen: 68.94 ug/L

RT: 8.71 min Scan# 1213

Delta R.T. 0.00 min

Lab File: VR025525.D

Acq: 19 Jul 2018 17:15

Tgt Ion: 95 Resp: 2963180

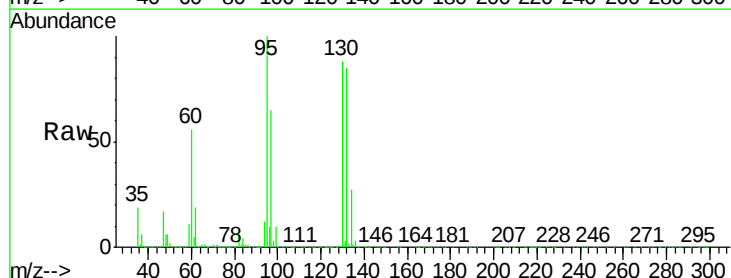
Ion Ratio Lower Upper

95 100

97 64.7 45.6 84.6

132 84.9 60.9 113.1

130 88.2 62.0 115.2

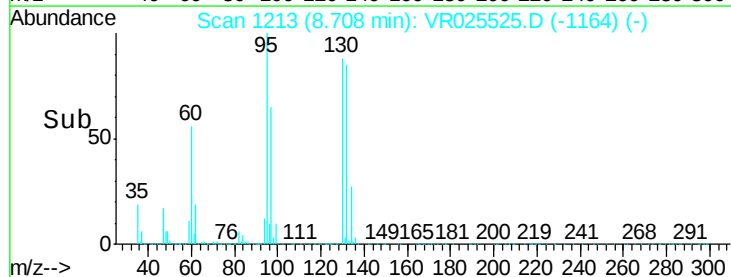
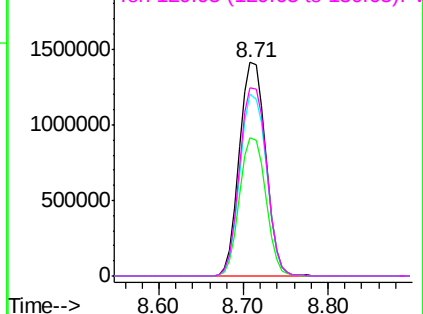


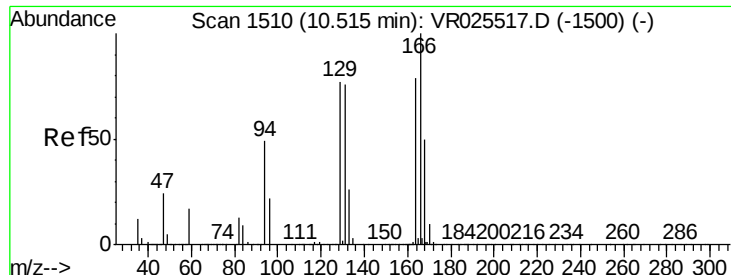
Abundance Ion 95.00 (94.70 to 95.70): VR0

Ion 96.95 (96.65 to 97.65): VR0

Ion 131.95 (131.65 to 132.65): V

Ion 129.95 (129.65 to 130.65): V





#47

Tetrachloroethene

Concen: 5.82 ug/L

RT: 10.51 min Scan# 1509

Delta R.T. -0.01 min

Lab File: VR025525.D

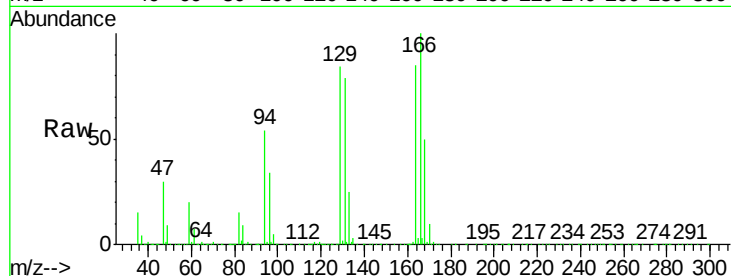
Acq: 19 Jul 2018 17:15

Instrument :

MSVOA_R

ClientSampleId :

C0AJ5



Tot Ion:164 Resp: 163425

Ion Ratio Lower Upper

164 100

129 99.2 68.1 126.5

131 93.0 68.5 127.1

166 117.7 89.9 166.9

Abundance Ion 163.90 (163.60 to 164.60): V

200000 Ion 128.95 (128.65 to 129.65): V

150000 Ion 130.95 (130.65 to 131.65): V

100000 Ion 165.90 (165.60 to 166.60): V

