

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU081119\
 Data File : VU033744.D
 Acq On : 11 Aug 2019 12:05
 Operator : JC/SP
 Sample : K4202-13RE
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 F2B31RE

Quant Time: Aug 12 05:15:06 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM080919WMA.M
 Quant Title : VOC Analysis
 QLast Update : Mon Aug 12 04:45:27 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.86	114	235164	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.07	117	234109	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.47	152	106094	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.39	65	71662	41.40	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	82.80%
7) Chloroethane-d5	1.67	69	72780	41.95	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	83.90%
11) 1,1-Dichloroethene-d2	2.26	63	94850	32.59	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	65.18%
21) 2-Butanone-d5	4.14	46	211340	196.93	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	196.93%#
24) Chloroform-d	4.62	84	173921	67.62	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	135.24%#
26) 1,2-Dichloroethane-d4	5.29	65	113637	70.66	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	141.32%#
32) Benzene-d6	5.32	84	296752	53.71	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	107.42%
36) 1,2-Dichloropropane-d6	6.31	67	111248	65.61	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	131.22%#
41) Toluene-d8	7.55	98	235439	45.31	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	90.62%
43) trans-1,3-Dichloropropene-	7.83	79	49338	57.62	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	115.24%
47) 2-Hexanone-d5	8.29	63	151140	172.10	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	172.10%#
57) 1,1,2,2-Tetrachloroethane-	10.41	84	210546	83.94	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	167.88%#
64) 1,2-Dichlorobenzene-d4	11.84	152	124943	69.97	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	139.94%#

Target Compounds

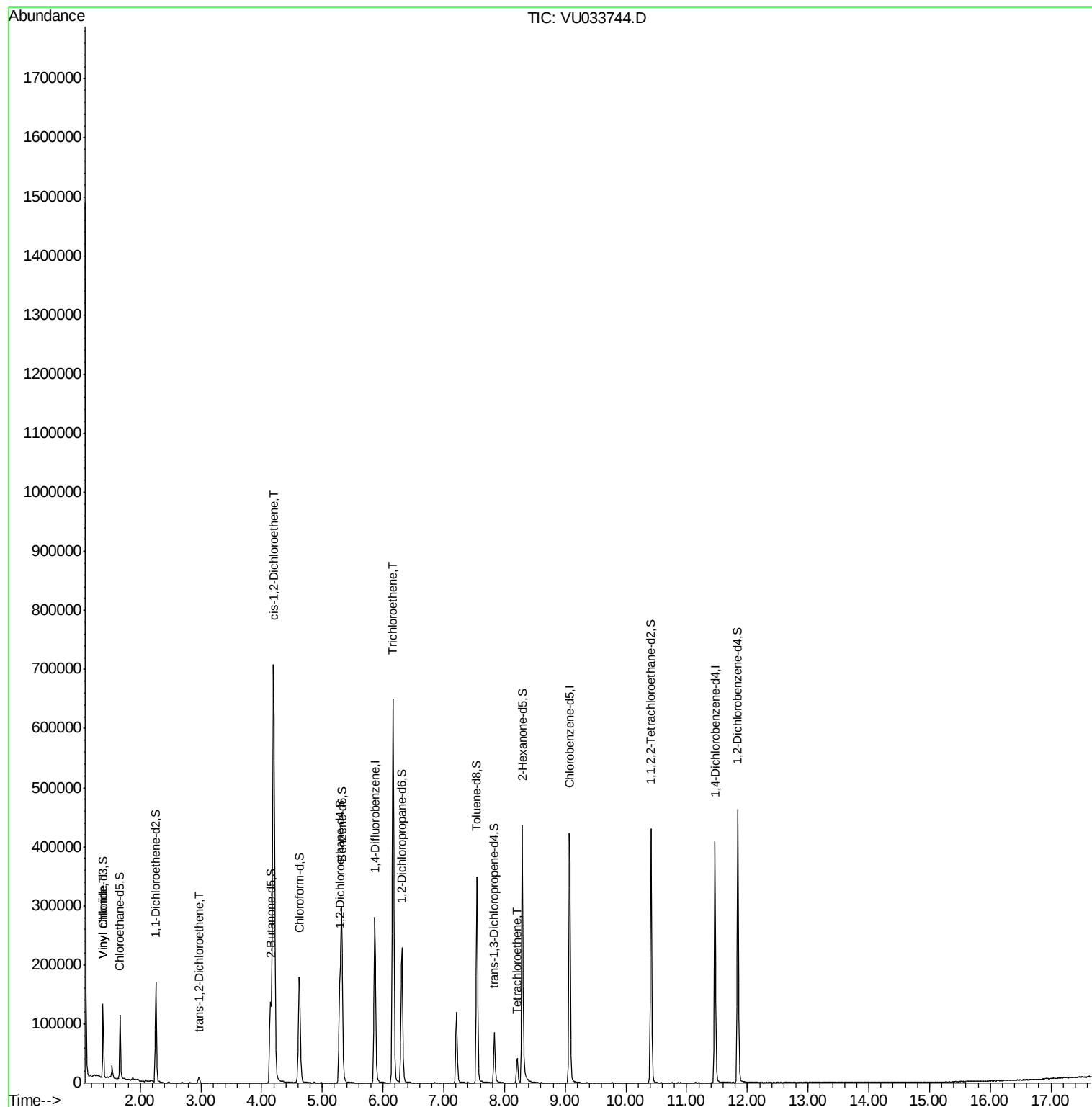
					Ovalue
5) Vinyl chloride	1.40	62	13881	7.012	ug/L 95
17) trans-1,2-Dichloroethene	2.97	96	3900	2.631	ug/L 94
20) cis-1,2-Dichloroethene	4.20	96	401339	237.404	ug/L 97
34) Trichloroethene	6.16	95	219942	127.943	ug/L 95
46) Tetrachloroethene	8.21	164	10026	7.075	ug/L 93

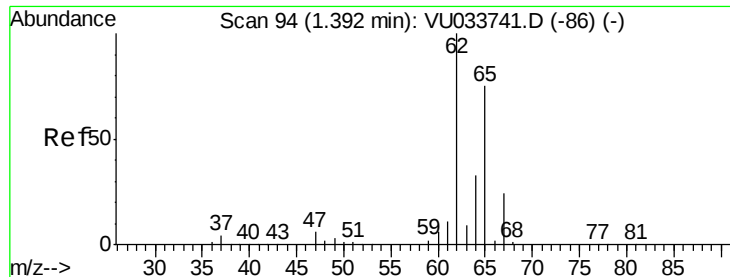
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Response via : Initial Calibration





#5

Vinyl chloride

Concen: 7.012 ug/L

RT: 1.40 min Scan# 95

Delta R.T. 0.00 min

Lab File: VU033744.D

Acq: 11 Aug 2019 12:05

Instrument :

MSVOA_U

ClientSampleId :

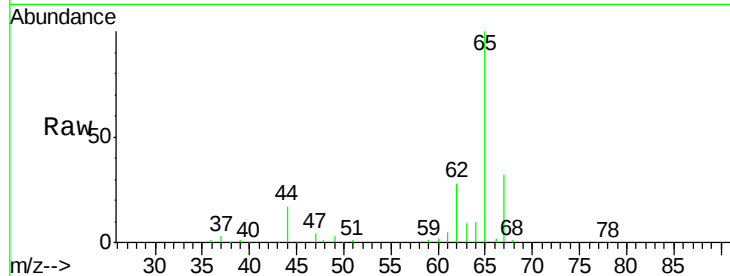
F2B31RE

Tot Ion: 62 Resp: 13881

Ion Ratio Lower Upper

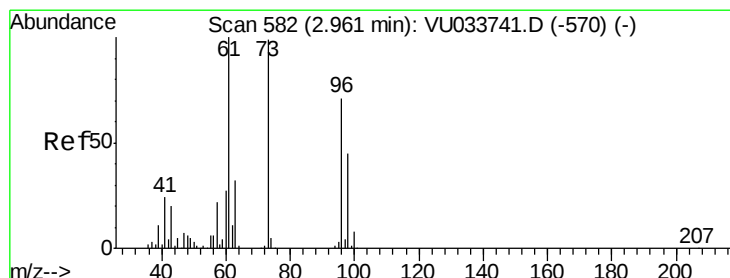
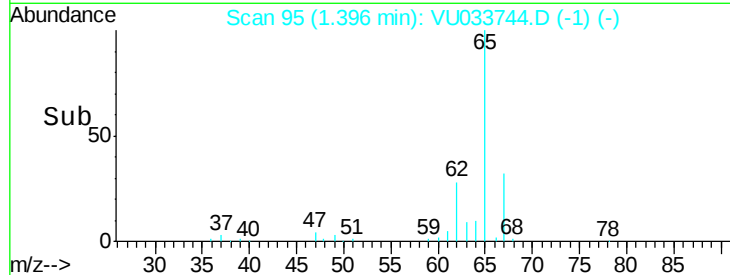
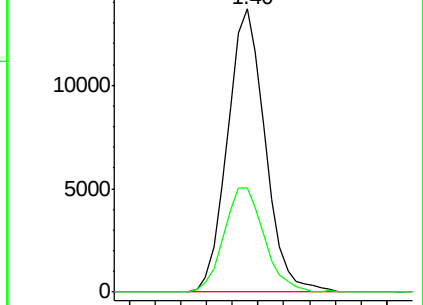
62 100

64 36.6 23.7 43.9



Abundance Ion 62.00 (61.70 to 62.70): VU033744.D (-86) (-)

Ion 64.00 (63.70 to 64.70): VU033744.D (-86) (-)



#17

trans-1,2-Dichloroethene

Concen: 2.631 ug/L

RT: 2.97 min Scan# 584

Delta R.T. 0.01 min

Lab File: VU033744.D

Acq: 11 Aug 2019 12:05

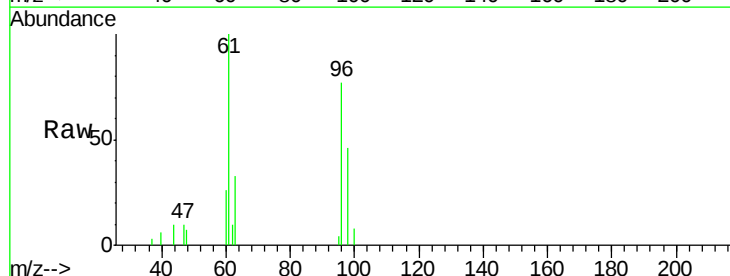
Tgt Ion: 96 Resp: 3900

Ion Ratio Lower Upper

96 100

61 129.7 95.6 177.6

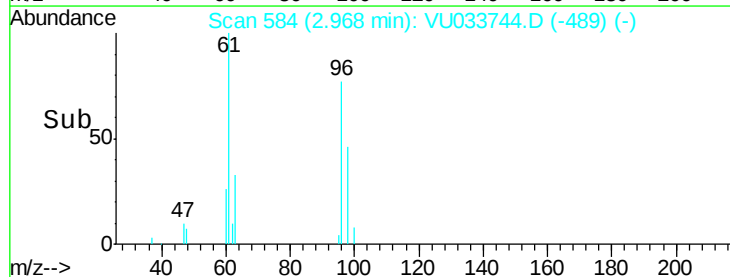
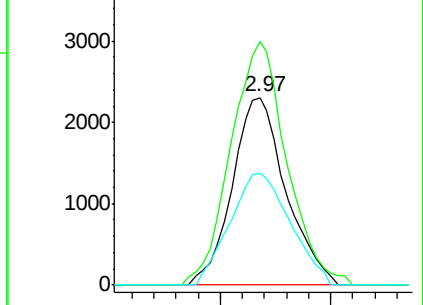
98 59.7 44.6 82.8

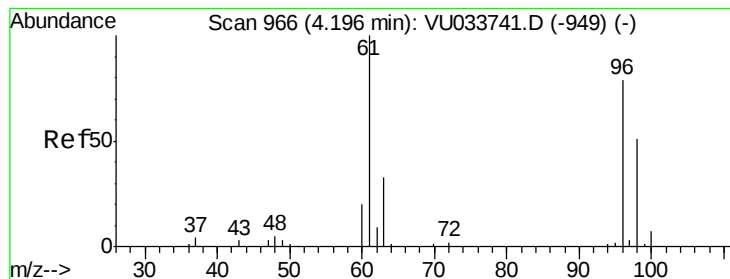


Abundance Ion 96.00 (95.70 to 96.70): VU033744.D (-570) (-)

Ion 61.00 (60.70 to 61.70): VU033744.D (-570) (-)

Ion 98.00 (97.70 to 98.70): VU033744.D (-570) (-)



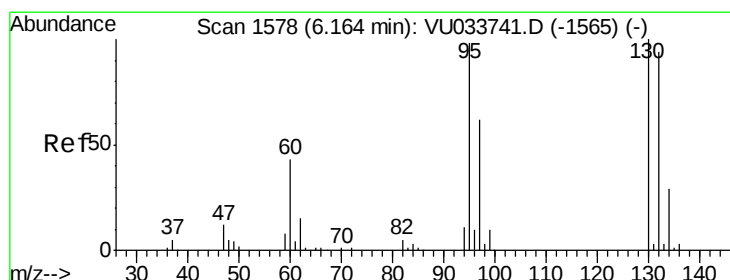
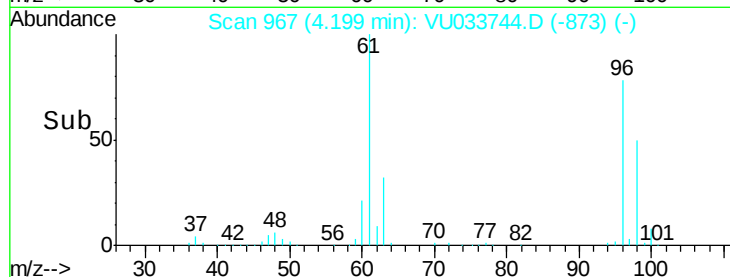
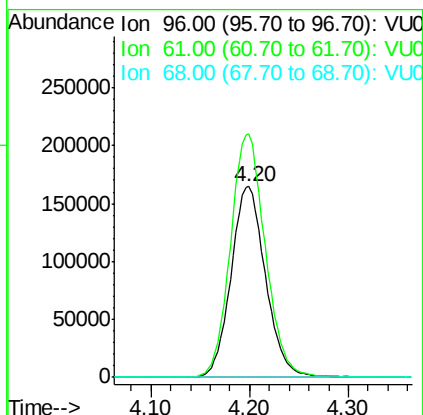
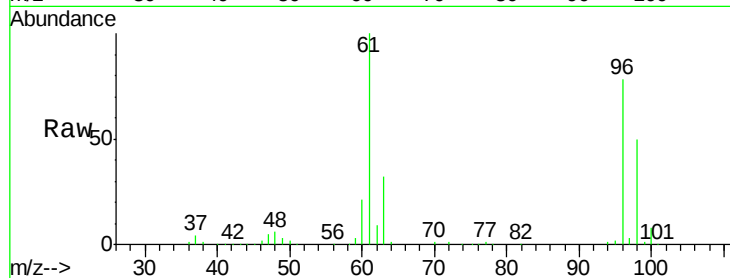


#20

cis-1,2-Dichloroethene
 Concen: 237.404 ug/L
 RT: 4.20 min Scan# 967
 Delta R.T. 0.00 min
 Lab File: VU033744.D
 Acq: 11 Aug 2019 12:05

Instrument :
 MSVOA_U
 ClientSampled :
 F2B31RE

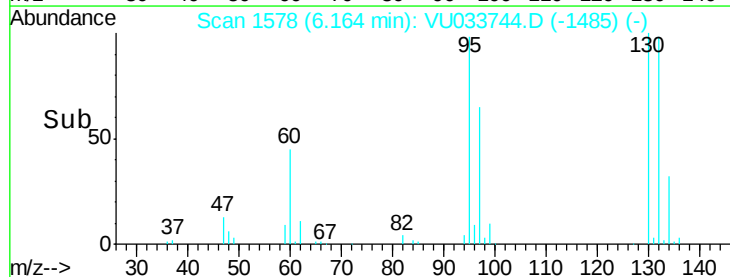
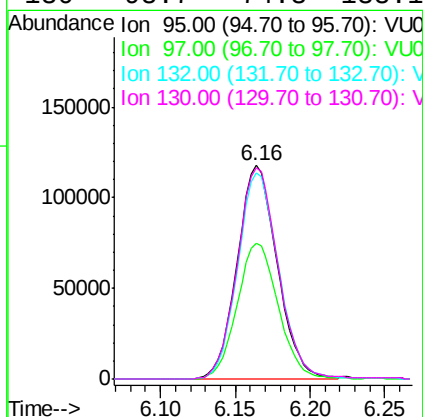
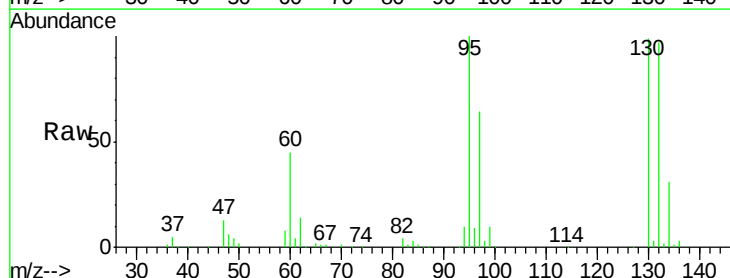
Tot Ion: 96 Resp: 401339
 Ion Ratio Lower Upper
 96 100
 61 127.8 87.0 161.6
 68 0.0 0.0 0.0

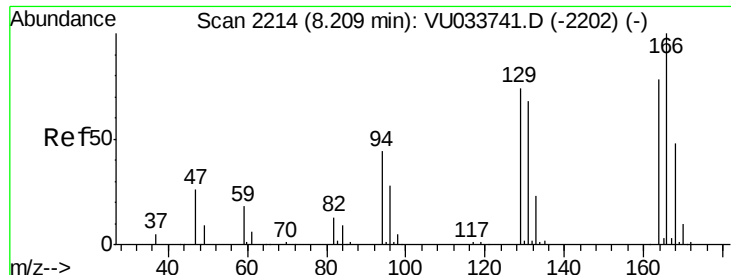


#34

Trichloroethene
 Concen: 127.943 ug/L
 RT: 6.16 min Scan# 1578
 Delta R.T. 0.00 min
 Lab File: VU033744.D
 Acq: 11 Aug 2019 12:05

Tgt Ion: 95 Resp: 219942
 Ion Ratio Lower Upper
 95 100
 97 63.8 45.6 84.8
 132 96.8 72.0 133.8
 130 98.7 74.3 138.1





#46

Tetrachloroethene

Concen: 7.075 ug/L

RT: 8.21 min Scan# 2214

Delta R.T. 0.00 min

Lab File: VU033744.D

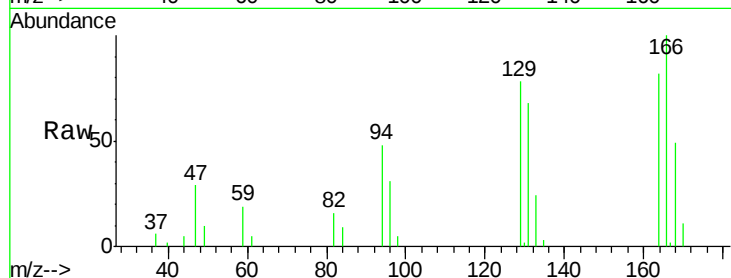
Acq: 11 Aug 2019 12:05

Instrument :

MSVOA_U

ClientSampleId :

F2B31RE



Tot Ion:164 Resp: 10026

Ion Ratio Lower Upper

164 100

129 94.7 65.5 121.7

131 83.1 63.6 118.0

166 121.6 92.7 172.3

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

