

Data File : VU030037.D
Acq On : 13 Mar 2019 18:17
Operator : JC/SP
Sample : K1838-18
Misc : 5.73g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 24 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
BF180

Quant Time: Mar 14 03:54:01 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM031319WMA.M
Quant Title : VOC Analysis
QLast Update : Thu Mar 14 03:50:43 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.88	114	542505	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.09	117	541131	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.48	152	286713	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.39	65	120273	33.52	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	67.04%
7) Chloroethane-d5	1.64	69	57850	19.97	ug/L	-0.04
Spiked Amount	50.000	Range	70 - 130	Recovery	=	39.94%#
11) 1,1-Dichloroethene-d2	2.32	63	205	0.03	ug/L	0.05
Spiked Amount	50.000	Range	60 - 125	Recovery	=	0.06%#
21) 2-Butanone-d5	4.19	46	231473	86.10	ug/L	0.02
Spiked Amount	100.000	Range	40 - 130	Recovery	=	86.10%
24) Chloroform-d	4.64	84	247371	38.43	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	76.86%
26) 1,2-Dichloroethane-d4	5.30	65	154536	41.56	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	83.12%
32) Benzene-d6	5.33	84	528993	37.98	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	75.96%
36) 1,2-Dichloropropane-d6	6.32	67	167977	39.40	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	78.80%
41) Toluene-d8	7.56	98	478328	36.67	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	73.34%#
43) trans-1,3-Dichloropropene-	7.85	79	76650	37.12	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	74.24%
47) 2-Hexanone-d5	8.32	63	226367	94.90	ug/L	0.02
Spiked Amount	100.000	Range	45 - 130	Recovery	=	94.90%
57) 1,1,2,2-Tetrachloroethane-	10.43	84	306936	46.85	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	93.70%
64) 1,2-Dichlorobenzene-d4	11.86	152	234993	42.31	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	84.62%

Target Compounds

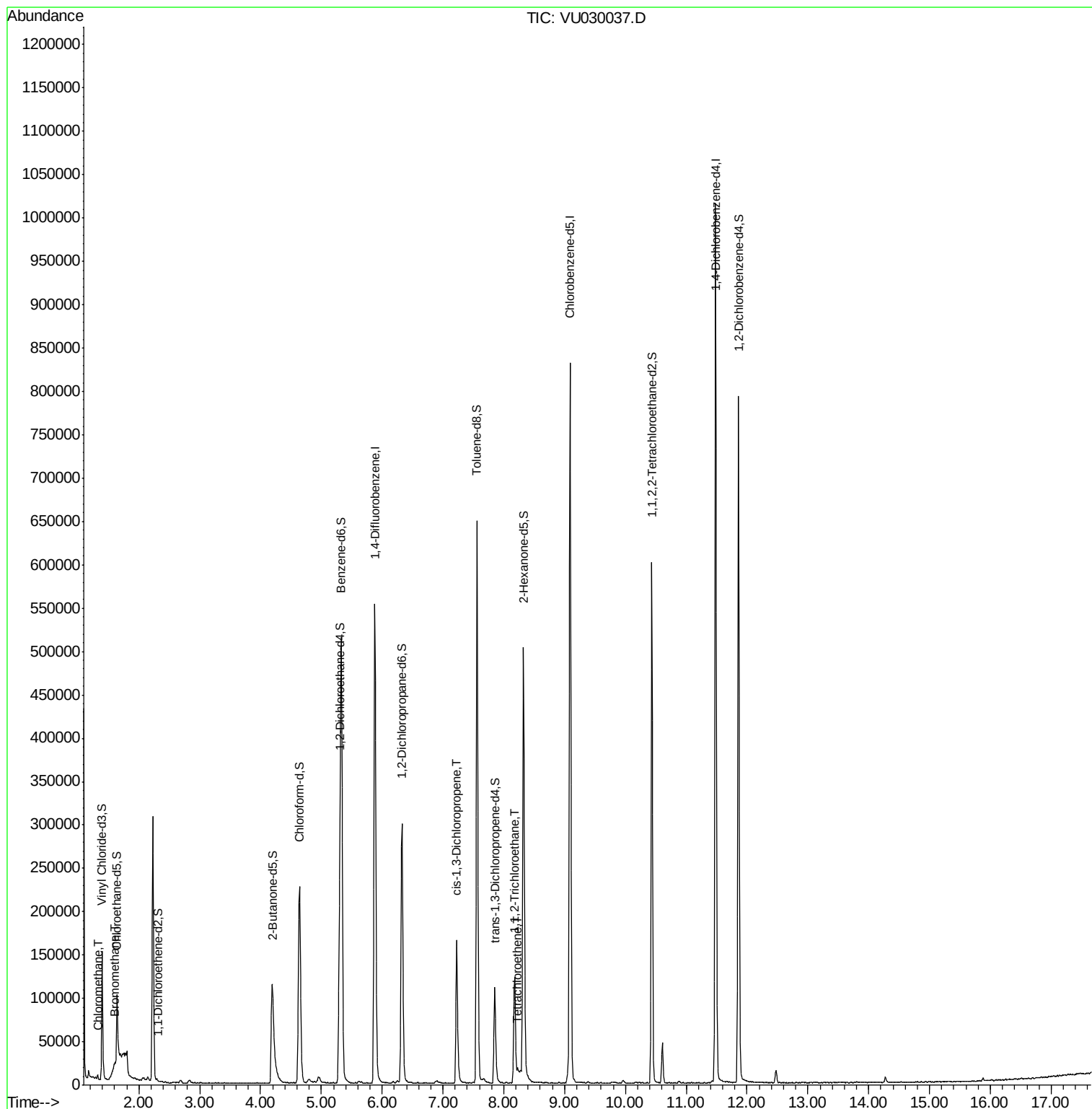
					Qvalue
3) Chloromethane	1.32	50	4104	1.085 ug/L	91
6) Bromomethane	1.60	94	1468	0.572 ug/L	87
39) cis-1,3-Dichloropropene	7.22	75	4043	0.638 ug/L #	49
45) 1,1,2-Trichloroethane	8.17	97	1958	0.481 ug/L #	15
46) Tetrachloroethene	8.23	164	2197	0.619 ug/L	97

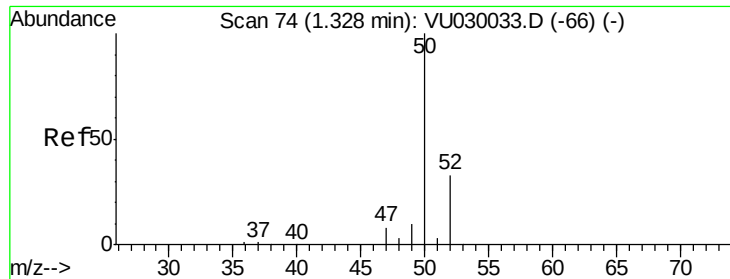
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#3

Chloromethane

Concen: 1.085 ug/L

RT: 1.32 min Scan# 71

Delta R.T. -0.01 min

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Acq: 13 Mar 2019 18:17

Instrument :

MSVOA_U

ClientSampleId :

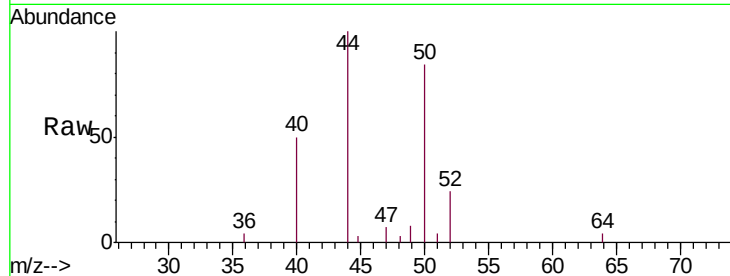
BF180

Tgt Ion: 50 Resp: 4104

Ion Ratio Lower Upper

50 100

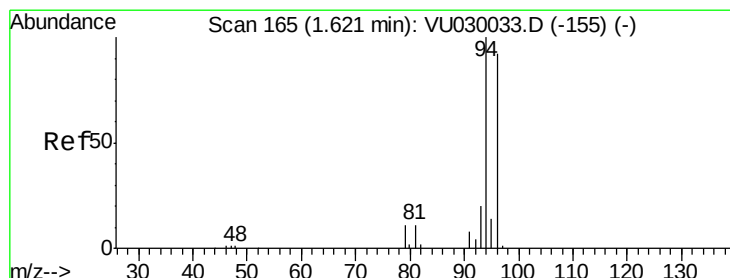
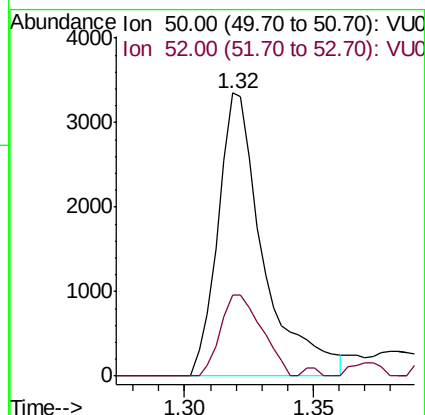
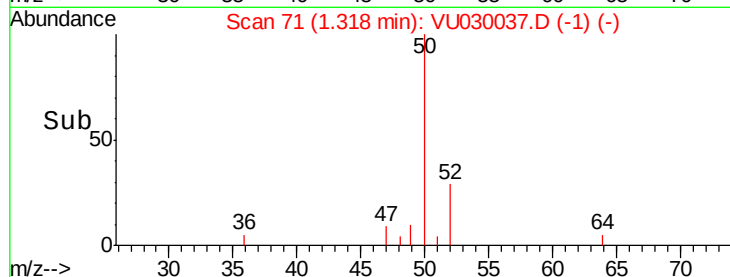
52 28.6 23.4 43.6



Abundance Ion 50.00 (49.70 to 50.70): VU030037.D (-66) (-)

Ion 52.00 (51.70 to 52.70): VU030037.D (-66) (-)

Time-->



#6

Bromomethane

Concen: 0.572 ug/L

RT: 1.60 min Scan# 158

Delta R.T. -0.02 min

Lab File: VU030037.D

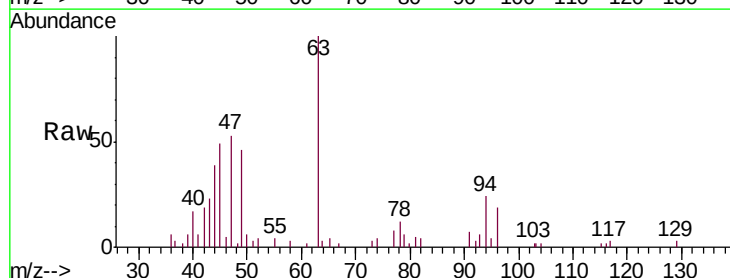
Acq: 13 Mar 2019 18:17

Tgt Ion: 94 Resp: 1468

Ion Ratio Lower Upper

94 100

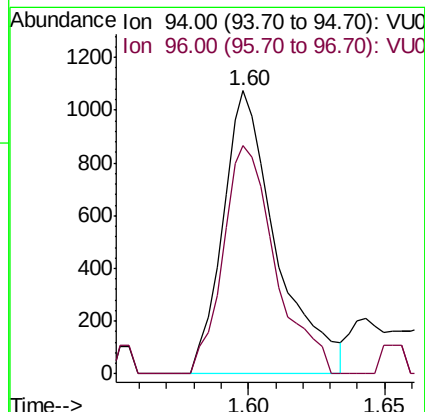
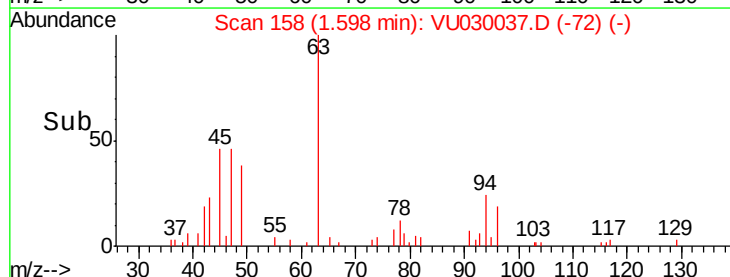
96 80.8 65.0 120.6

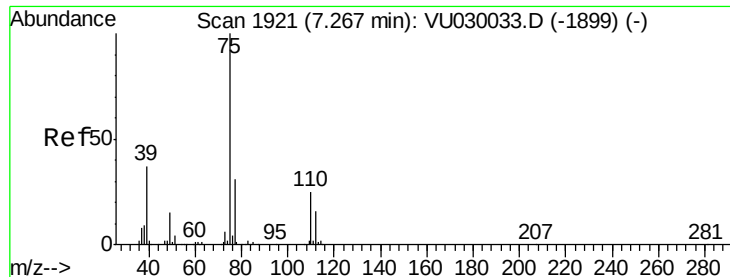


Abundance Ion 94.00 (93.70 to 94.70): VU030037.D (-155) (-)

Ion 96.00 (95.70 to 96.70): VU030037.D (-155) (-)

Time-->





#39

cis-1,3-Dichloropropene

Concen: 0.638 ug/L

RT: 7.22 min Scan# 1908

Delta R.T. -0.04 min

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ClientSampleId :

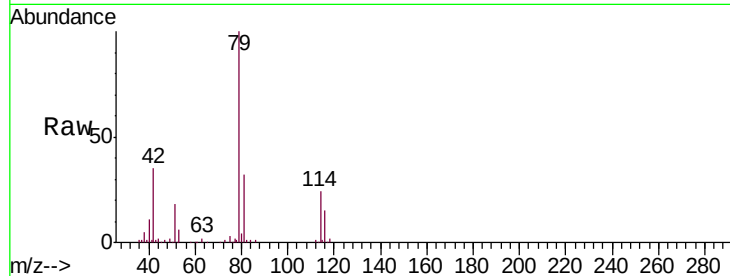
BF180

Tgt Ion: 75 Resp: 4043

Ion Ratio Lower Upper

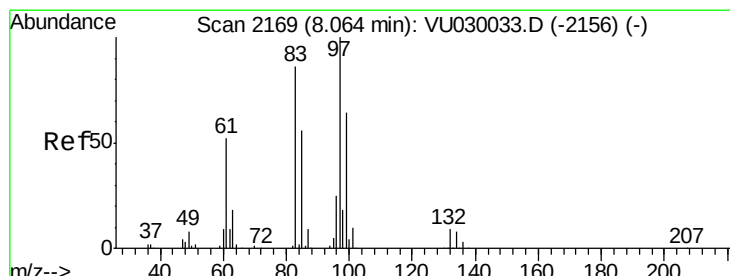
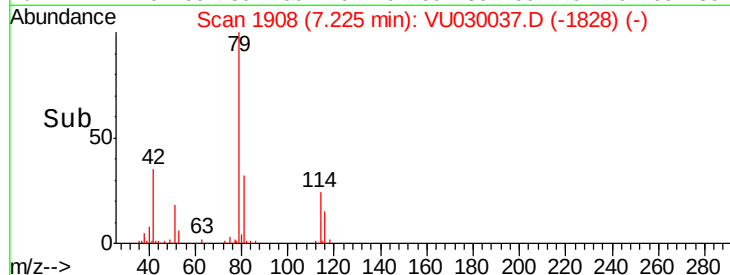
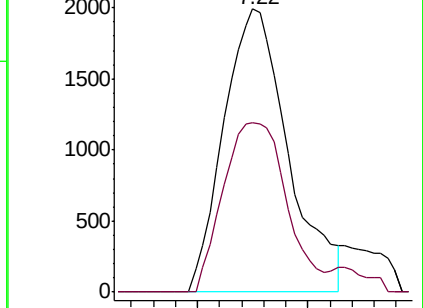
75 100

77 60.0 22.2 41.2#



Abundance Ion 75.00 (74.70 to 75.70): VU030033.D (-1899) (-)

Ion 77.00 (76.70 to 77.70): VU030033.D (-1899) (-)



#45

1,1,2-Trichloroethane

Concen: 0.481 ug/L

RT: 8.17 min Scan# 2203

Delta R.T. 0.11 min

Lab File: VU030037.D

Acq: 13 Mar 2019 18:17

Tgt Ion: 97 Resp: 1958

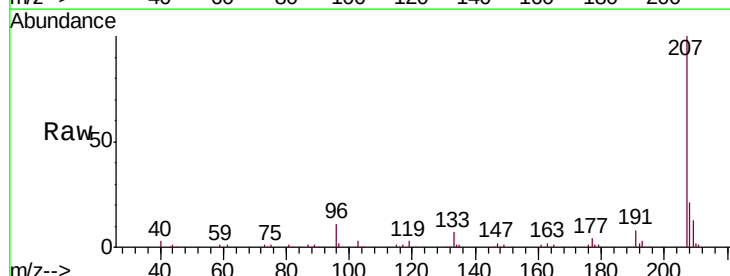
Ion Ratio Lower Upper

97 100

99 0.0 44.7 82.9#

83 0.0 58.6 108.8#

85 0.0 38.1 70.7#

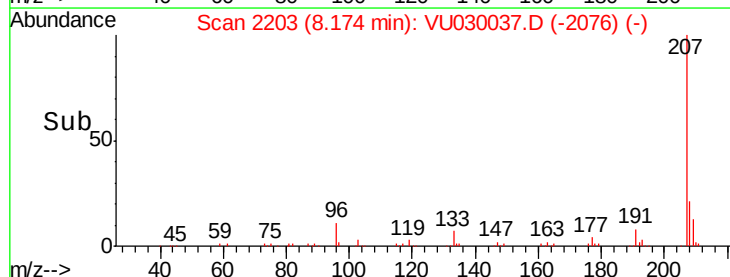
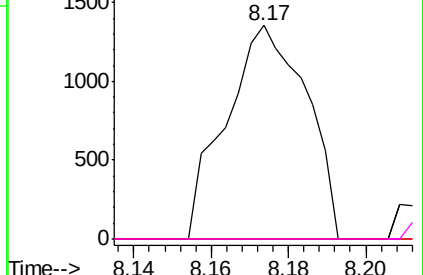


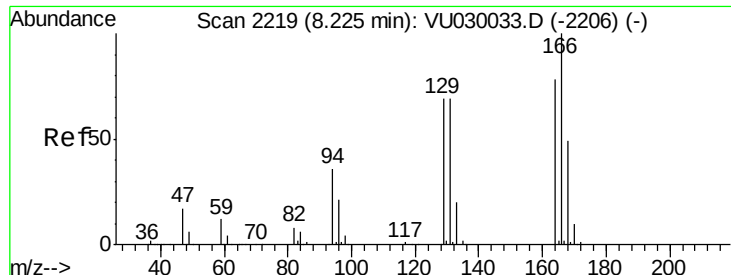
Abundance Ion 97.00 (96.70 to 97.70): VU030033.D (-2156) (-)

Ion 99.00 (98.70 to 99.70): VU030033.D (-2156) (-)

Ion 83.00 (82.70 to 83.70): VU030033.D (-2156) (-)

Ion 85.00 (84.70 to 85.70): VU030033.D (-2156) (-)





#46

Tetrachloroethene

Concen: 0.619 ug/L

RT: 8.23 min Scan# 2220

Delta R.T. 0.00 min

Lab File: VU030037.D

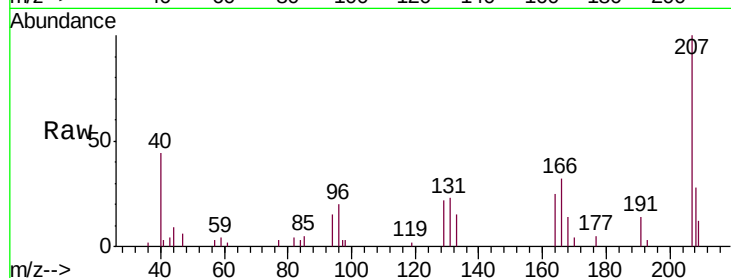
Acq: 13 Mar 2019 18:17

Instrument :

MSVOA_U

ClientSampleId :

BF180



Tgt Ion:164 Resp: 2197

Ion Ratio Lower Upper

164 100

129 86.8 63.3 117.7

131 93.1 62.0 115.2

166 128.1 90.5 168.1

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

