

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU121619\
 Data File : VU036232.D
 Acq On : 16 Dec 2019 14:29
 Operator : JC/MD
 Sample : VIBLK20
 Misc : 25.0mL/MSVOA U/WATER
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VIBLK20

Quant Time: Dec 17 02:03:58 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR121319WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Tue Dec 17 01:19:57 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	6.29	114	241753	5.00	ug/L	0.00
28) Chlorobenzene-d5	9.45	117	268091	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.83	152	102890	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.61	65	89477	4.20	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	84.00%
7) Chloroethane-d5	1.93	69	83939	4.40	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	88.00%
11) 1,1-Dichloroethene-d2	2.59	63	93258	3.04	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	60.80%
20) 2-Butanone-d5	4.70	46	185442	46.50	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	93.00%
24) Chloroform-d	5.11	84	153723	4.49	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	89.80%
26) 1,2-Dichloroethane-d4	5.75	65	82513	4.59	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	91.80%
32) Benzene-d6	5.77	84	282023	4.19	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	83.80%
36) 1,2-Dichloropropane-d6	6.73	67	94304	4.44	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	88.80%
41) Toluene-d8	7.93	98	226671	3.58	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	71.60%
43) trans-1,3-Dichloropropene-	8.21	79	35190	4.03	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	80.60%
46) 2-Hexanone-d5	8.68	63	140762	42.14	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	84.28%
57) 1,1,2,2-Tetrachloroethane-	10.78	84	88093	4.54	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	90.80%
64) 1,2-Dichlorobenzene-d4	12.22	152	90986	4.62	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	92.40%

Target Compounds

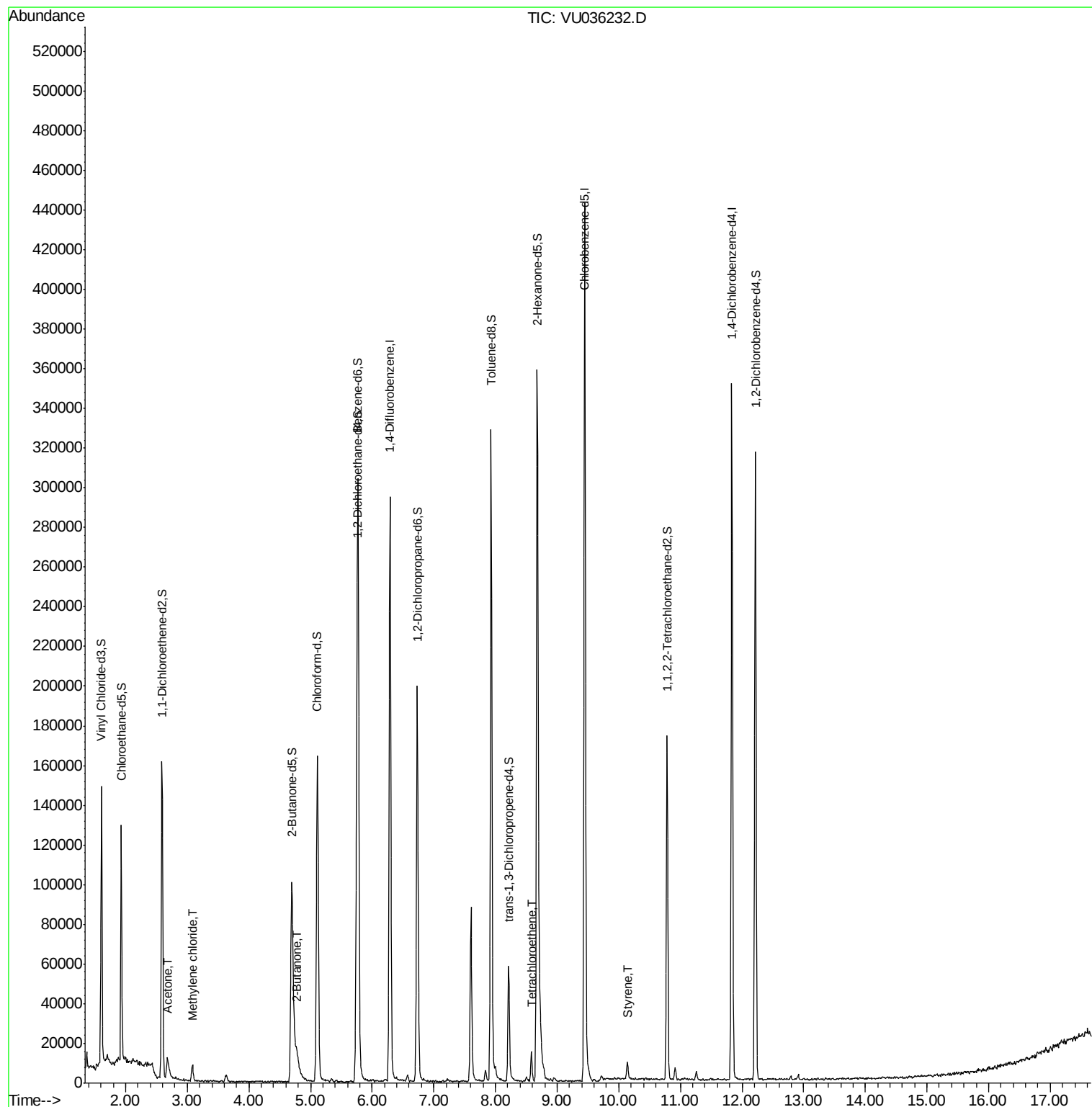
					Ovalue
13) Acetone	2.68	43	18684	5.375 ug/L	96
16) Methylene chloride	3.09	84	4466	0.169 ug/L	95
21) 2-Butanone	4.77	43	6477	1.394 ug/L	75
47) Tetrachloroethene	8.58	164	3592	0.187 ug/L	97
55) Styrene	10.14	104	4297	0.074 ug/L	99

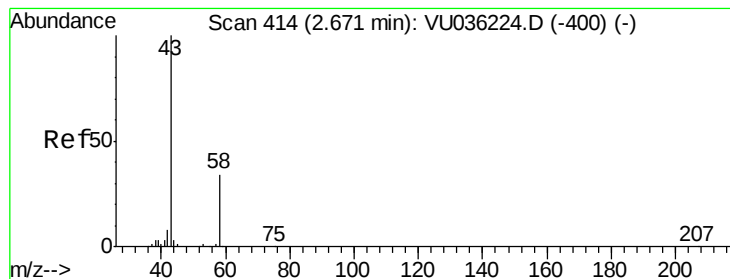
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#13

Acetone

Concen: 5.375 ug/L

RT: 2.68 min Scan# 418

Delta R.T. 0.01 min

Lab File: VU036232.D

Acq: 16 Dec 2019 14:29

Instrument :

MSVOA_U

ClientSampleId :

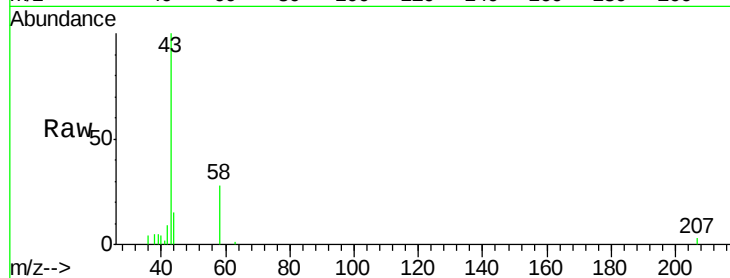
VIBLK20

Tot Ion: 43 Resp: 18684

Ion Ratio Lower Upper

43 100

58 31.7 0.0 67.6



Abundance Ion 43.05 (42.75 to 43.75): VU036232.D (-321) (-)

Ion 58.05 (57.75 to 58.75): VU036232.D (-321) (-)

2.68

8000

6000

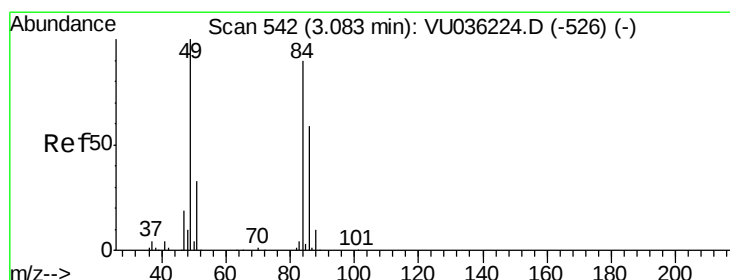
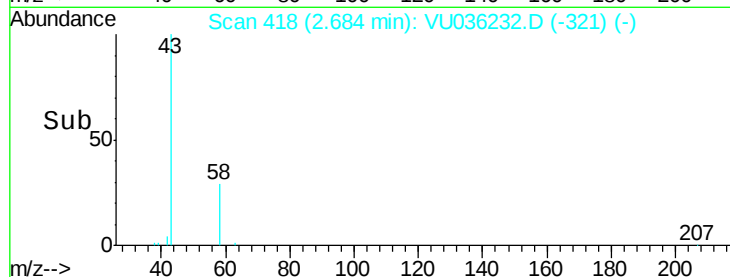
4000

2000

0

Time-->

2.60 2.65 2.70 2.75



#16

Methylene chloride

Concen: 0.169 ug/L

RT: 3.09 min Scan# 543

Delta R.T. 0.00 min

Lab File: VU036232.D

Acq: 16 Dec 2019 14:29

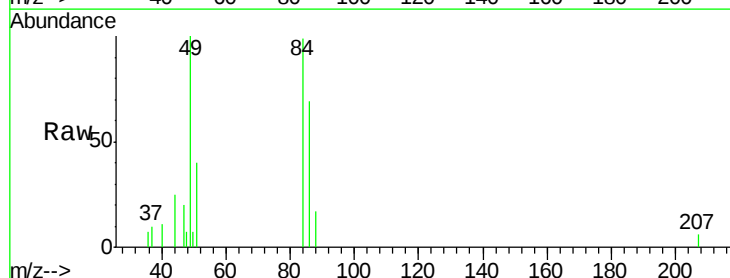
Tgt Ion: 84 Resp: 4466

Ion Ratio Lower Upper

84 100

86 69.3 43.0 79.8

49 107.7 77.3 143.5



Abundance Ion 84.05 (83.75 to 84.75): VU036232.D (-449) (-)

Ion 86.00 (85.70 to 86.70): VU036232.D (-449) (-)

Ion 49.10 (48.80 to 49.80): VU036232.D (-449) (-)

3.09

3000

2500

2000

1500

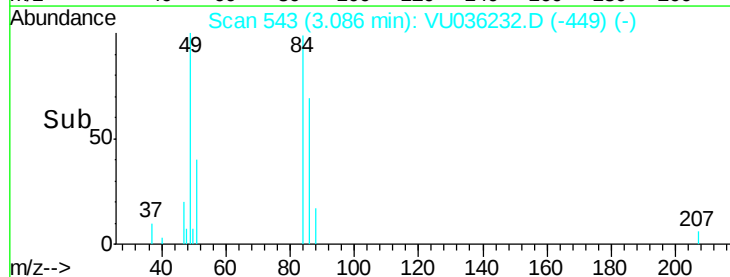
1000

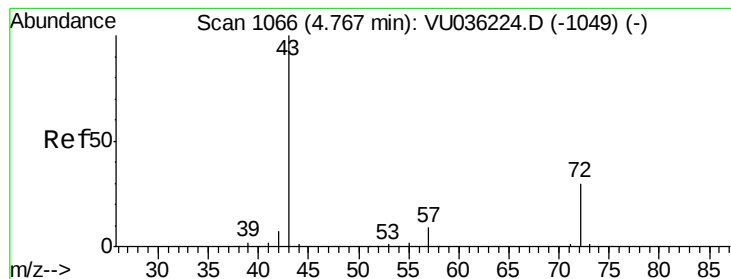
500

0

Time-->

3.05 3.10 3.15





#21

2-Butanone

Concen: 1.394 ug/L

RT: 4.77 min Scan# 1066

Delta R.T. 0.01 min

Lab File: VU036232.D

Acq: 16 Dec 2019 14:29

Instrument :

MSVOA_U

ClientSampleId :

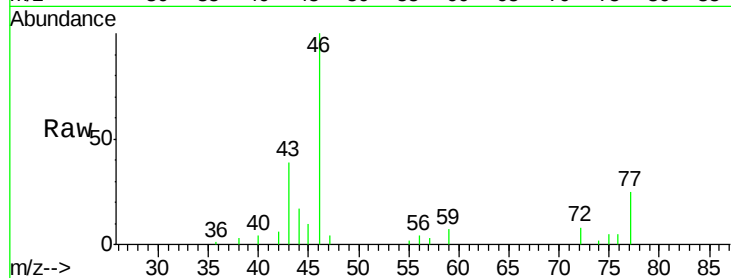
VIBLK20

Tot Ion: 43 Resp: 6477

Ion Ratio Lower Upper

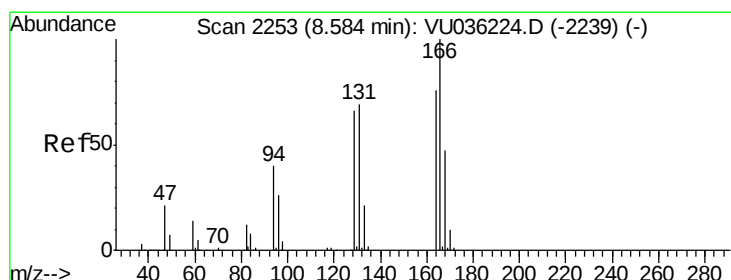
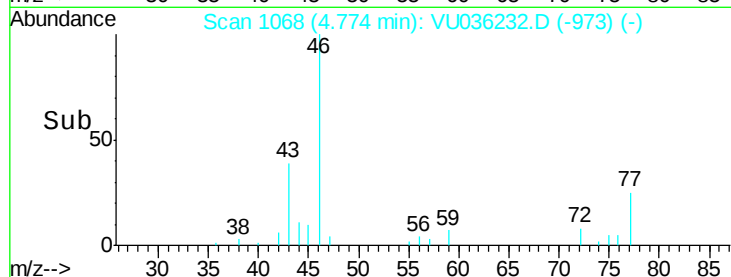
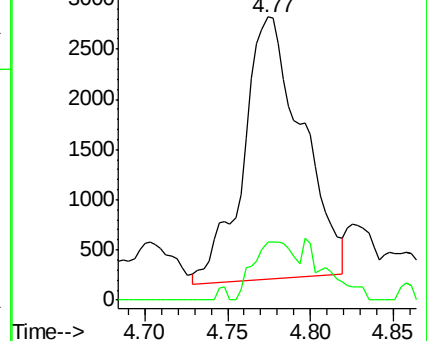
43 100

72 15.7 14.4 43.4



Abundance Ion 43.05 (42.75 to 43.75): VU0

Ion 72.10 (71.80 to 72.80): VU0



#47

Tetrachloroethene

Concen: 0.187 ug/L

RT: 8.58 min Scan# 2252

Delta R.T. -0.00 min

Lab File: VU036232.D

Acq: 16 Dec 2019 14:29

Tgt Ion:164 Resp: 3592

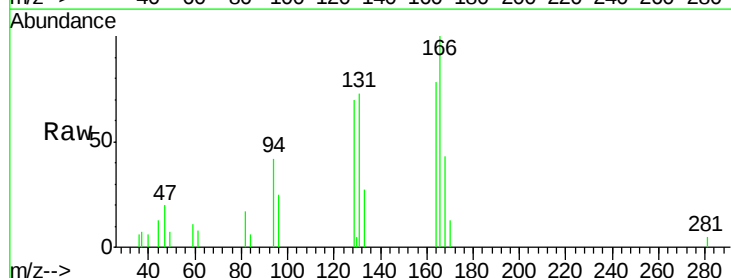
Ion Ratio Lower Upper

164 100

129 89.6 64.2 119.2

131 93.9 66.6 123.8

166 128.8 93.1 172.9

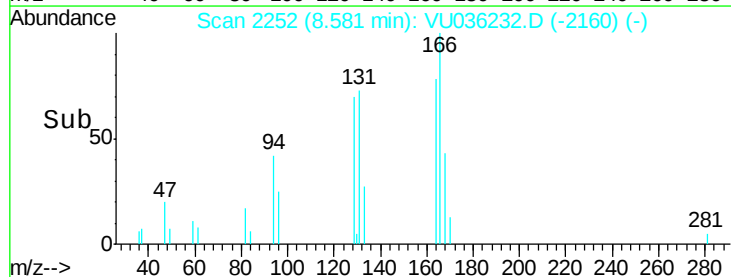
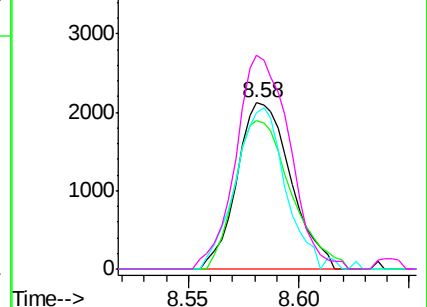


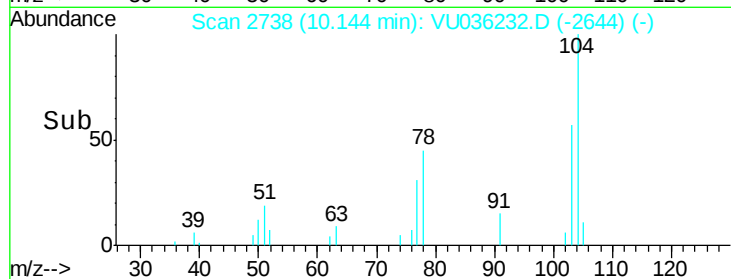
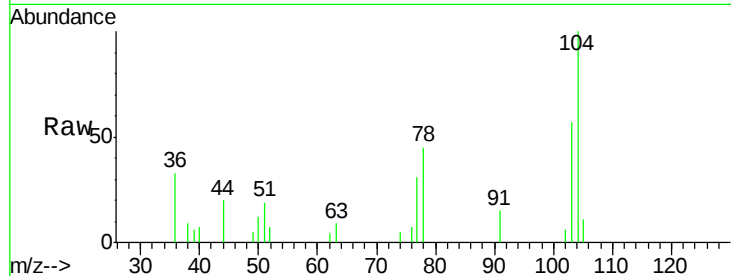
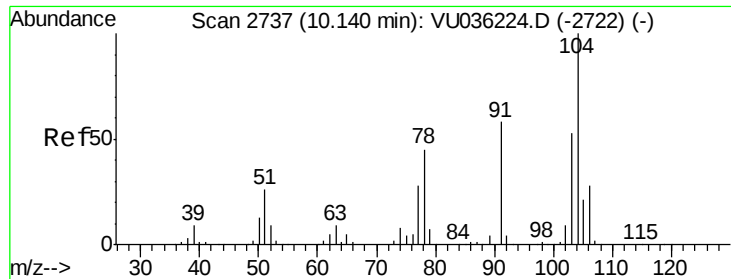
Abundance Ion 163.90 (163.60 to 164.60): V

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





#55

Stvrene

Concen: 0.074 ug/L

RT: 10.14 min Scan# 2738

Delta R.T. 0.00 min

Lab File: VU036232.D

Acq: 16 Dec 2019 14:29

Instrument :

MSVOA_U

ClientSampleId :

VIBLK20

Tot Ion:104 Resp: 4297

Ion Ratio Lower Upper

104 100

78 45.3 32.1 59.5

Abundance Ion 104.10 (103.80 to 104.80): V

Ion 78.10 (77.80 to 78.80): VU0

