

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\U090819\
 Data File : VU034402.D
 Acq On : 08 Sep 2019 00:40
 Operator : JC/SP
 Sample : K4703-10
 Misc : 25.0mL/MSVOA U/WATER
 ALS Vial : 38 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 BFD93

Quant Time: Sep 09 05:58:49 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR090119WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Sun Sep 08 03:44:03 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.87	114	270330	5.00	ug/L	0.00
28) Chlorobenzene-d5	9.07	117	280259	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.46	152	124968	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.40	65	72766	4.00	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	80.00%
7) Chloroethane-d5	1.68	69	66903	4.58	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	91.60%
11) 1,1-Dichloroethene-d2	2.26	63	108844	3.19	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	63.80%
20) 2-Butanone-d5	4.17	46	194491	46.24	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	92.48%
24) Chloroform-d	4.63	84	156232	4.86	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	97.20%
26) 1,2-Dichloroethane-d4	5.29	65	76158	4.80	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	96.00%
32) Benzene-d6	5.32	84	316787	4.34	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	86.80%
36) 1,2-Dichloropropane-d6	6.31	67	104410	4.60	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	92.00%
41) Toluene-d8	7.55	98	272967	3.99	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	79.80%
43) trans-1,3-Dichloropropene-	7.84	79	31538	3.91	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	78.20%
46) 2-Hexanone-d5	8.30	63	137912	39.43	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	78.86%
57) 1,1,2,2-Tetrachloroethane-	10.41	84	81230	4.81	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	96.20%
64) 1,2-Dichlorobenzene-d4	11.84	152	111909	5.21	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	104.20%

Target Compounds

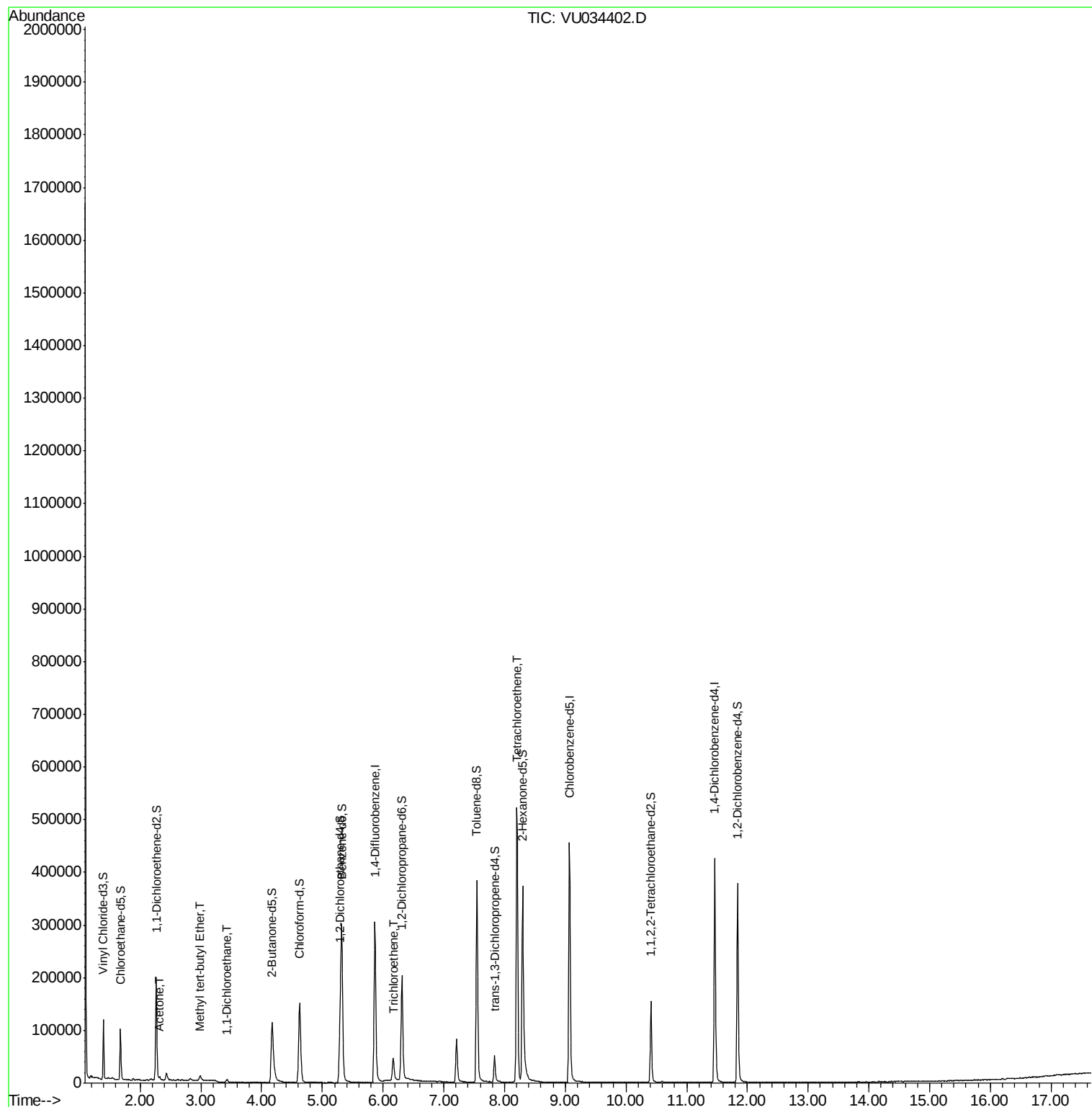
					Ovalue
13) Acetone	2.31	43	5856	2.080 ug/L	95
17) Methyl tert-butyl Ether	2.99	73	8690	0.208 ug/L #	78
19) 1,1-Dichloroethane	3.43	63	5350	0.149 ug/L	95
34) Trichloroethene	6.16	95	15406	0.705 ug/L	94
47) Tetrachloroethene	8.21	164	129891	7.234 ug/L	95

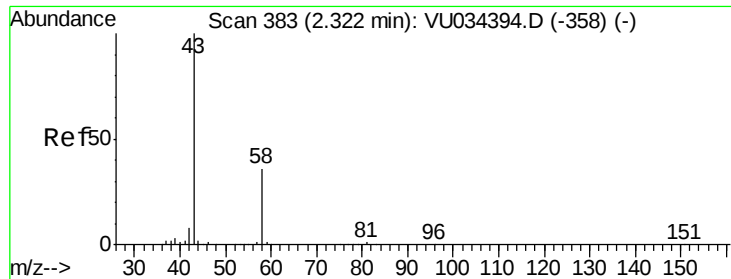
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#13

Acetone

Concen: 2.080 ug/L

RT: 2.31 min Scan# 381

Delta R.T. -0.01 min

Lab File: VU034402.D

Acq: 08 Sep 2019 00:40

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MSVOA_U

ClientSampleId :

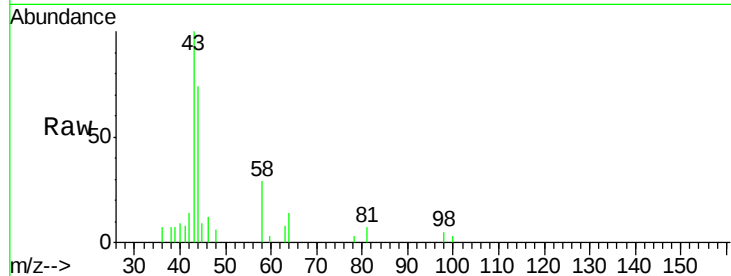
BFD93

Tot Ion: 43 Resp: 5856

Ion Ratio Lower Upper

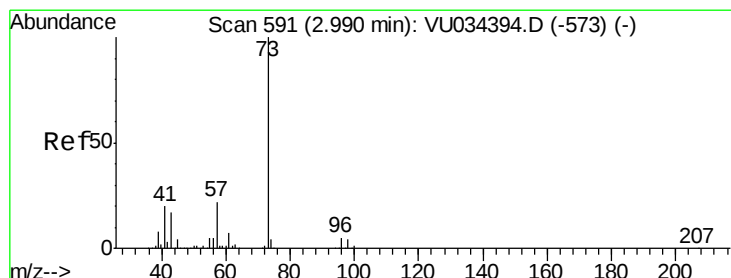
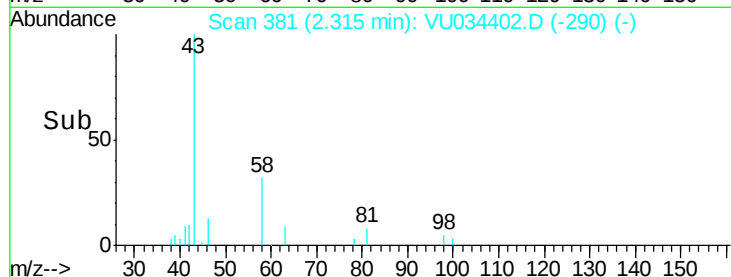
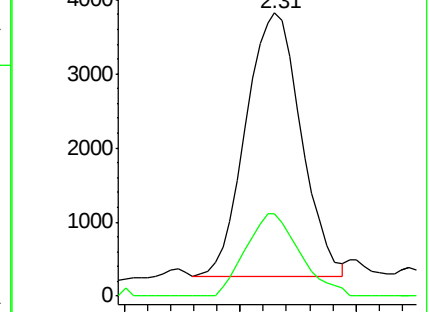
43 100

58 30.8 0.0 67.6



Abundance Ion 43.05 (42.75 to 43.75): VU034402.D (-290) (-)

Ion 58.05 (57.75 to 58.75): VU034402.D (-290) (-)



#17

Methyl tert-butyl Ether

Concen: 0.208 ug/L

RT: 2.99 min Scan# 592

Delta R.T. 0.00 min

Lab File: VU034402.D

Acq: 08 Sep 2019 00:40

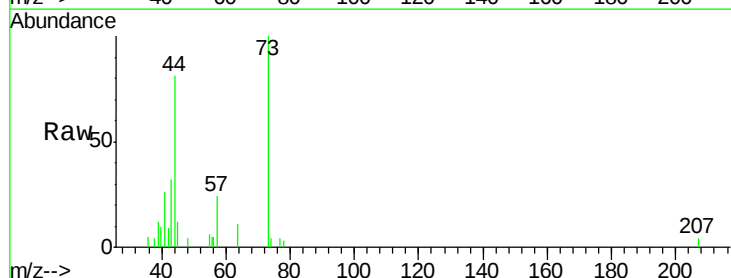
Tgt Ion: 73 Resp: 8690

Ion Ratio Lower Upper

73 100

43 26.3 14.7 22.1#

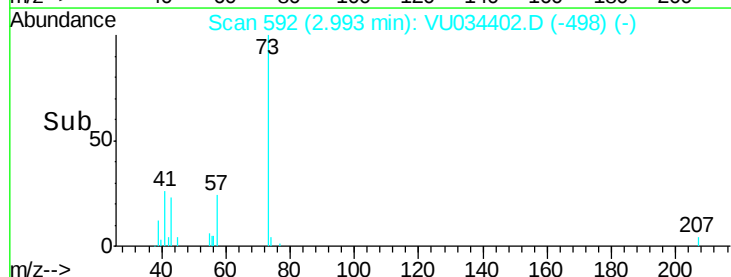
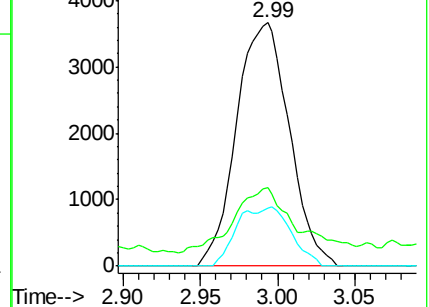
57 10.8 18.6 27.8#

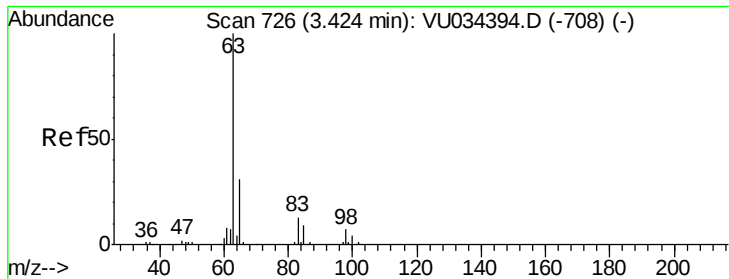


Abundance Ion 73.10 (72.80 to 73.80): VU034402.D (-498) (-)

Ion 43.05 (42.75 to 43.75): VU034402.D (-498) (-)

Ion 57.10 (56.80 to 57.80): VU034402.D (-498) (-)

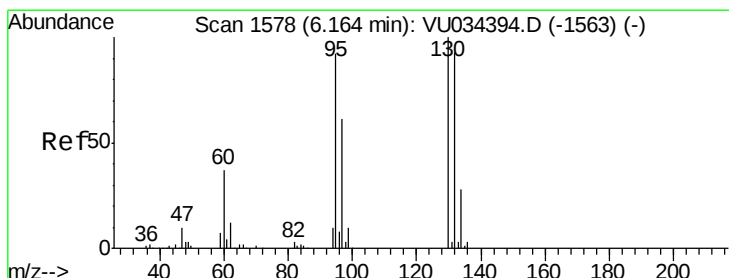
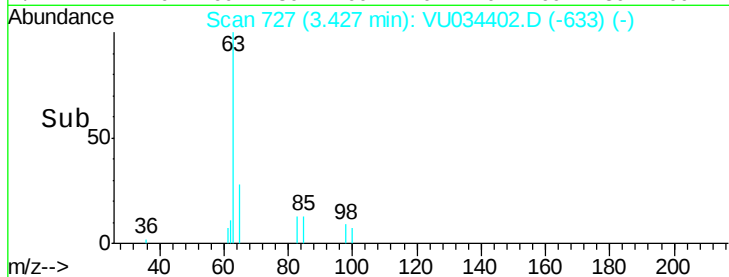
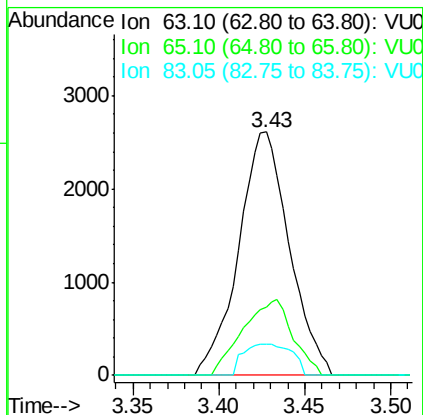
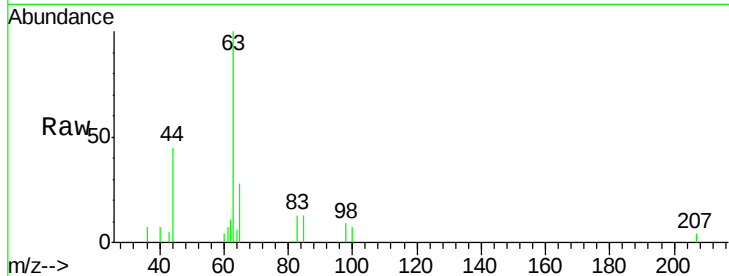




#19
 1,1-Dichloroethane
 Concen: 0.149 ug/L
 RT: 3.43 min Scan# 727
 Delta R.T. 0.00 min
 Lab File: VU034402.D
 Acq: 08 Sep 2019 00:40

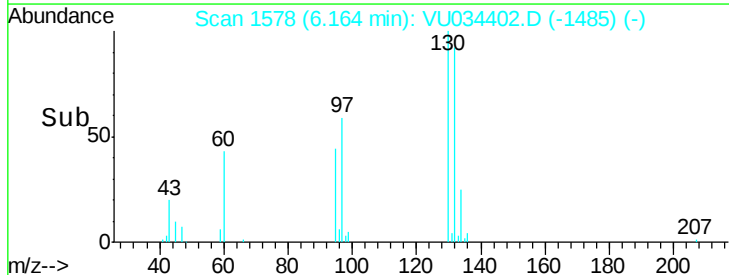
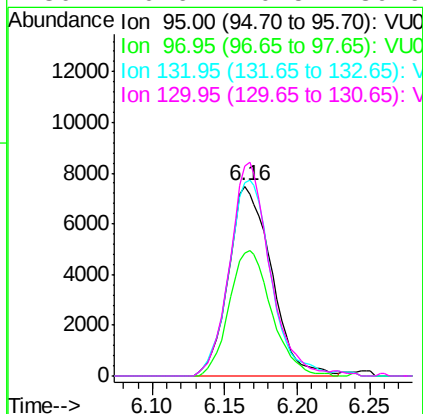
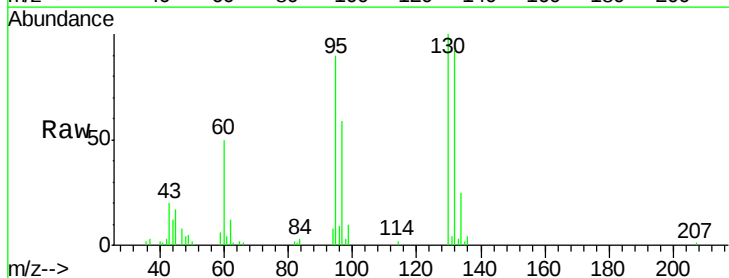
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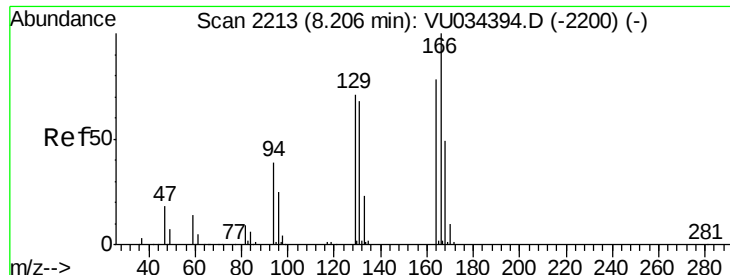
Tot Ion: 63 Resp: 5350
 Ion Ratio Lower Upper
 63 100
 65 28.1 22.5 41.9
 83 13.0 9.1 16.9



#34
 Trichloroethene
 Concen: 0.705 ug/L
 RT: 6.16 min Scan# 1578
 Delta R.T. -0.00 min
 Lab File: VU034402.D
 Acq: 08 Sep 2019 00:40

Tgt Ion: 95 Resp: 15406
 Ion Ratio Lower Upper
 95 100
 97 65.0 43.3 80.5
 132 102.0 68.6 127.4
 130 110.6 70.5 130.9





#47

Tetrachloroethene

Concen: 7.234 ug/L

RT: 8.21 min Scan# 2213

Delta R.T. -0.00 min

Lab File: VU034402.D

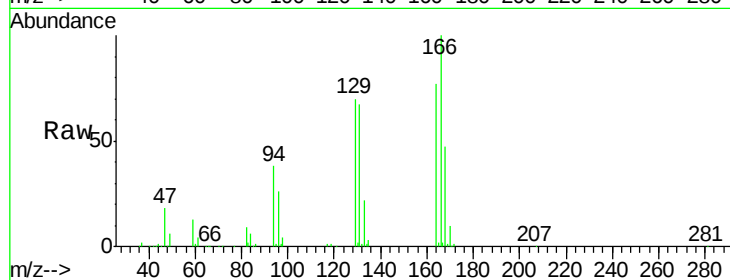
Acq: 08 Sep 2019 00:40

Instrument :

MSVOA_U

ClientSampleId :

BFD93



Tot Ion:164 Resp: 129891

Ion Ratio Lower Upper

164 100

129 90.1 68.0 126.2

131 86.4 64.6 120.0

166 129.1 92.0 170.8

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

