

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\U100419\
 Data File : VU034937.D
 Acq On : 04 Oct 2019 16:01
 Operator : JC/SP
 Sample : K5196-03
 Misc : 25.0mL/MSVOA U/WATER
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 C0K02

Quant Time: Oct 09 15:45:07 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR093019WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Sat Oct 05 00:29:19 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.86	114	206881	5.00	ug/L	0.00
28) Chlorobenzene-d5	9.07	117	206253	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.46	152	85816	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.40	65	74691	5.10	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	102.00%
7) Chloroethane-d5	1.68	69	64560	5.40	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	108.00%
11) 1,1-Dichloroethene-d2	2.26	63	104707	4.17	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	83.40%
20) 2-Butanone-d5	4.17	46	185400	44.46	ug/L	-0.02
Spiked Amount	50.000	Range	40 - 130	Recovery	=	88.92%
24) Chloroform-d	4.62	84	131585	5.31	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	106.20%
26) 1,2-Dichloroethane-d4	5.29	65	73249	4.75	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	95.00%
32) Benzene-d6	5.32	84	268558	5.28	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	105.60%
36) 1,2-Dichloropropane-d6	6.31	67	89886	5.29	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	105.80%
41) Toluene-d8	7.54	98	246999	5.06	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	101.20%
43) trans-1,3-Dichloropropene-	7.84	79	28742	4.60	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	92.00%
46) 2-Hexanone-d5	8.30	63	146041	47.36	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	94.72%
57) 1,1,2,2-Tetrachloroethane-	10.41	84	69624	5.14	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	102.80%
64) 1,2-Dichlorobenzene-d4	11.84	152	86136	6.05	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	121.00%#

Target Compounds

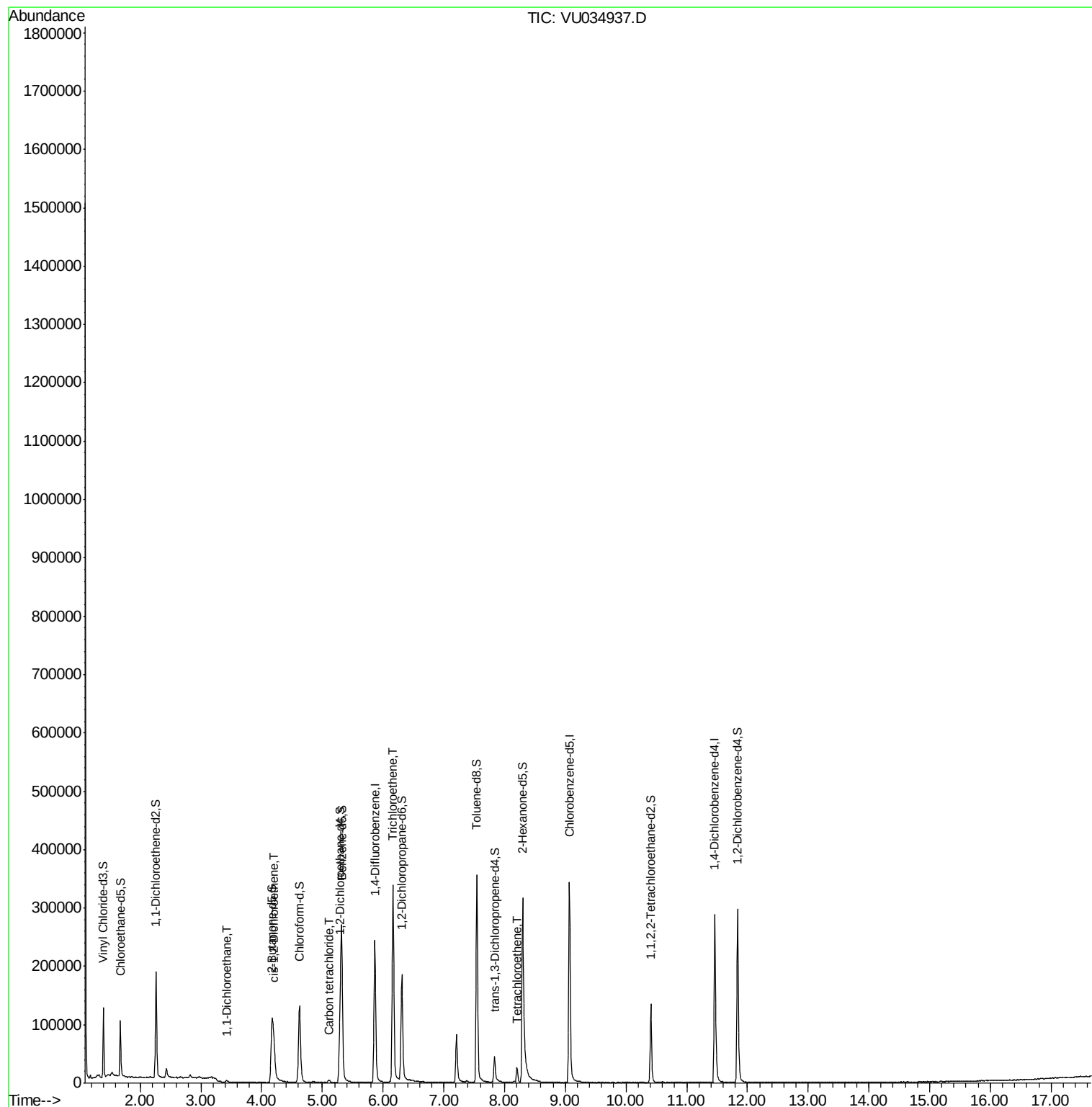
					Ovalue
19) 1,1-Dichloroethane	3.42	63	3108	0.141 ug/L	# 96
22) cis-1,2-Dichloroethene	4.20	96	28144	2.573 ug/L	88
31) Carbon tetrachloride	5.12	117	3544	0.241 ug/L	88
34) Trichloroethene	6.16	95	117762	10.745 ug/L	92
47) Tetrachloroethene	8.21	164	5702	0.786 ug/L	96

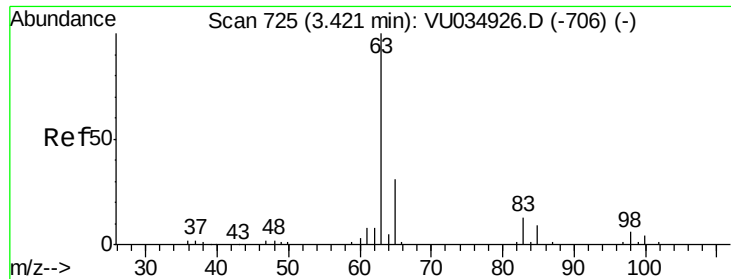
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#19

1,1-Dichloroethane

Concen: 0.141 ug/L

RT: 3.42 min Scan# 726

Delta R.T. 0.00 min

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MSVOA_U

ClientSampleId :

C0K02

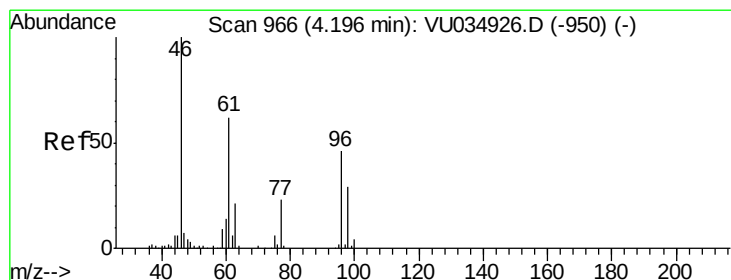
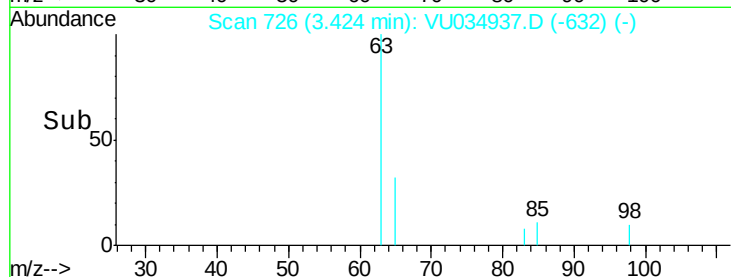
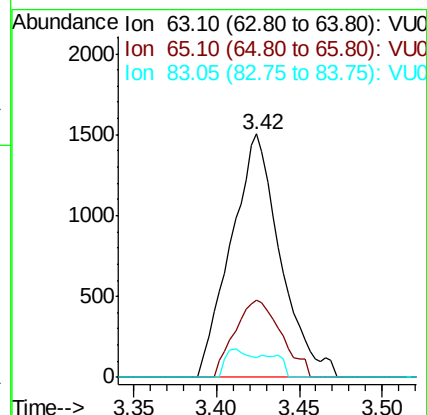
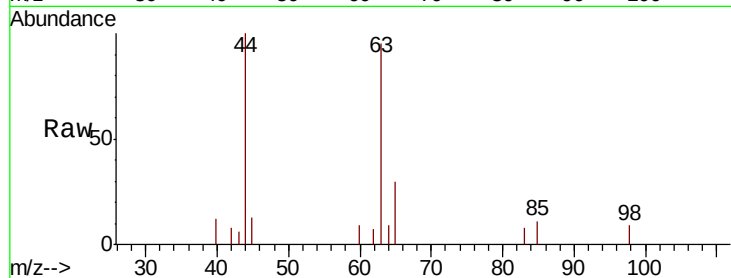
Tot Ion: 63 Resp: 3108

Ion Ratio Lower Upper

63 100

65 31.7 22.7 42.1

83 8.2 8.4 15.6#



#22

cis-1,2-Dichloroethene

Concen: 2.573 ug/L

RT: 4.20 min Scan# 968

Delta R.T. 0.01 min

Lab File: VU034937.D

Acq: 04 Oct 2019 16:01

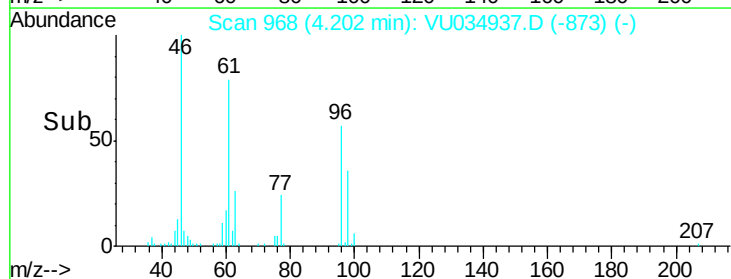
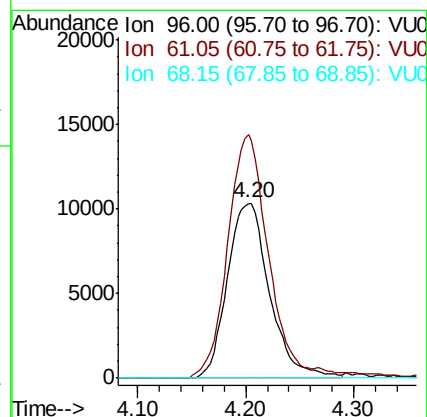
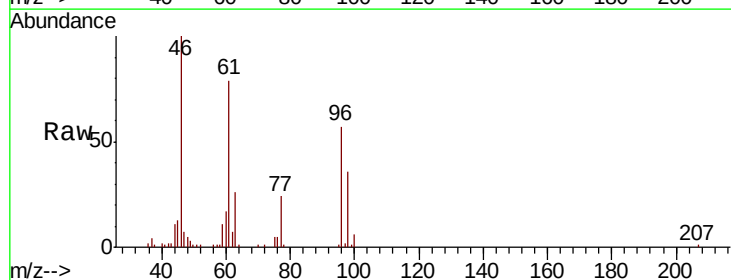
Tgt Ion: 96 Resp: 28144

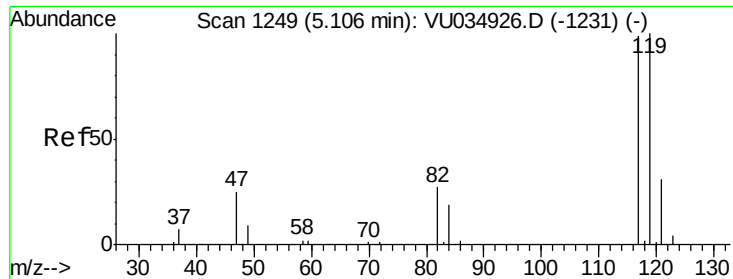
Ion Ratio Lower Upper

96 100

61 139.4 108.6 201.8

68 0.0 0.0 0.0

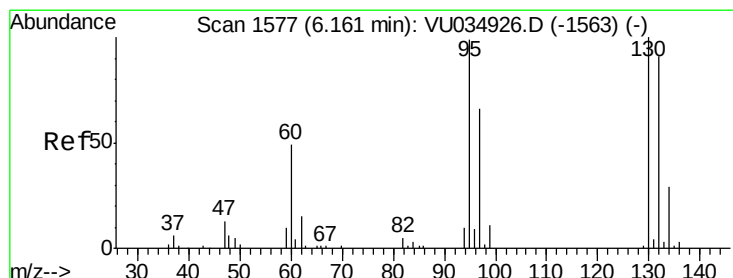
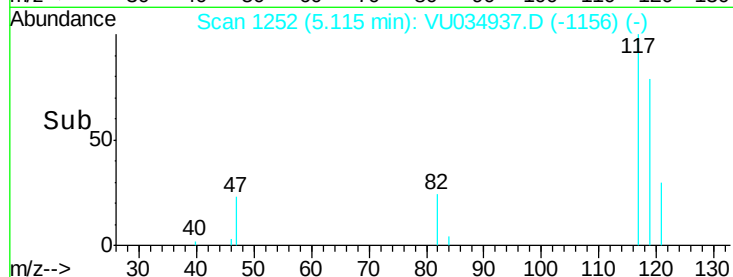
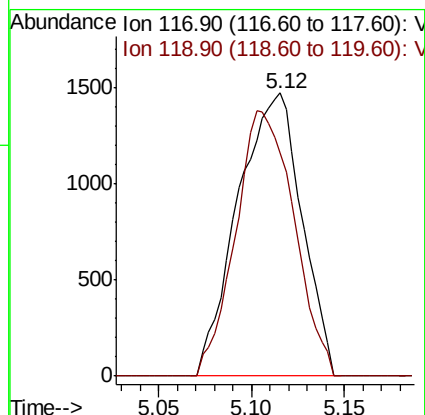
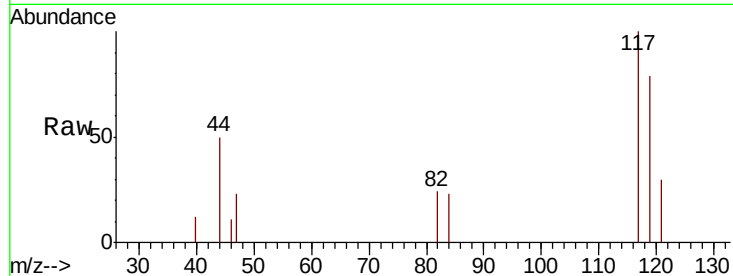




#31
Carbon tetrachloride
Concen: 0.241 ug/L
RT: 5.12 min Scan# 1252
Delta R.T. 0.01 min
Lab File: VU034937.D
Acq: 04 Oct 2019 16:01

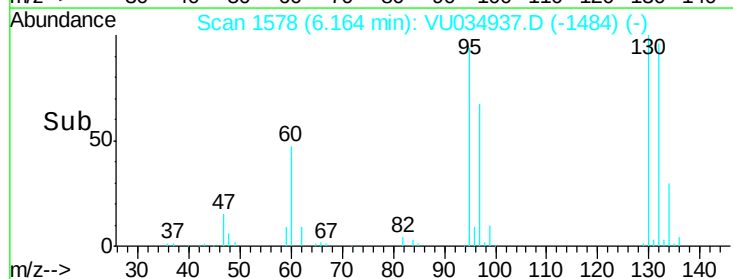
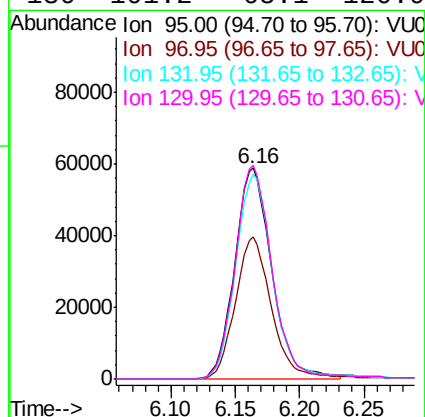
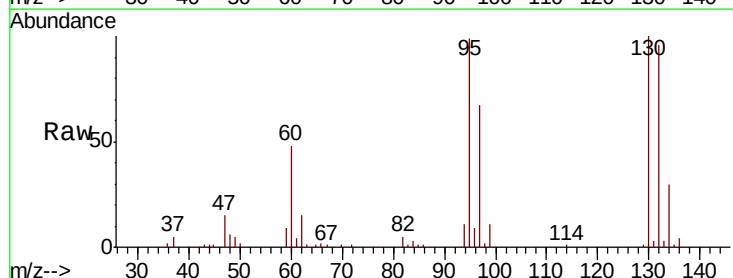
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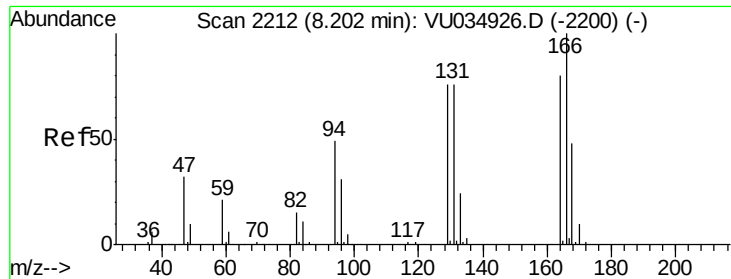
Tot Ion:117 Resp: 3544
Ion Ratio Lower Upper
117 100
119 85.6 77.8 116.8



#34
Trichloroethene
Concen: 10.745 ug/L
RT: 6.16 min Scan# 1578
Delta R.T. 0.00 min
Lab File: VU034937.D
Acq: 04 Oct 2019 16:01

Tgt Ion: 95 Resp: 117762
Ion Ratio Lower Upper
95 100
97 67.3 45.1 83.7
132 97.0 61.2 113.8
130 101.2 65.1 120.9





#47

Tetrachloroethene

Concen: 0.786 ug/L

RT: 8.21 min Scan# 2214

Delta R.T. 0.01 min

Lab File: VU034937.D

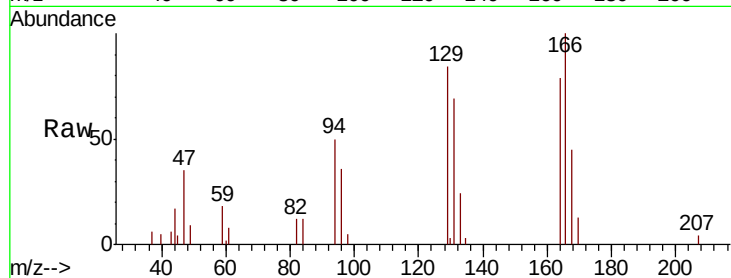
Acq: 04 Oct 2019 16:01

Instrument :

MSVOA_U

ClientSampleId :

C0K02



Tot Ion:164 Resp: 5702

Ion Ratio Lower Upper

164 100

129 105.5 66.3 123.1

131 87.1 62.2 115.4

166 126.0 88.4 164.2

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

