

Data File : VU034831.D
Acq On : 26 Sep 2019 02:36
Operator : JC/SP
Sample : K4983-21
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 42 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
BFDL2

Quant Time: Sep 26 07:04:38 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM091919WMA.M
Quant Title : VOC Analysis
QLast Update : Thu Sep 26 06:56:48 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.86	114	427282	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.07	117	409438	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.46	152	188811	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.39	65	183759	42.01	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	84.02%
7) Chloroethane-d5	1.67	69	160438	47.46	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	94.92%
11) 1,1-Dichloroethene-d2	2.26	63	251236	33.92	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	67.84%
21) 2-Butanone-d5	4.15	46	422742	126.10	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	126.10%
24) Chloroform-d	4.62	84	317441	49.92	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	99.84%
26) 1,2-Dichloroethane-d4	5.29	65	224834	48.10	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	96.20%
32) Benzene-d6	5.32	84	671071	52.88	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	105.76%
36) 1,2-Dichloropropane-d6	6.31	67	236044	53.22	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	106.44%
41) Toluene-d8	7.54	98	647960	53.67	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	107.34%
43) trans-1,3-Dichloropropene-	7.83	79	99642	46.90	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	93.80%
47) 2-Hexanone-d5	8.29	63	280170	125.76	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	125.76%
57) 1,1,2,2-Tetrachloroethane-	10.41	84	329451	53.53	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	107.06%
64) 1,2-Dichlorobenzene-d4	11.84	152	227447	57.45	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	114.90%

Target Compounds

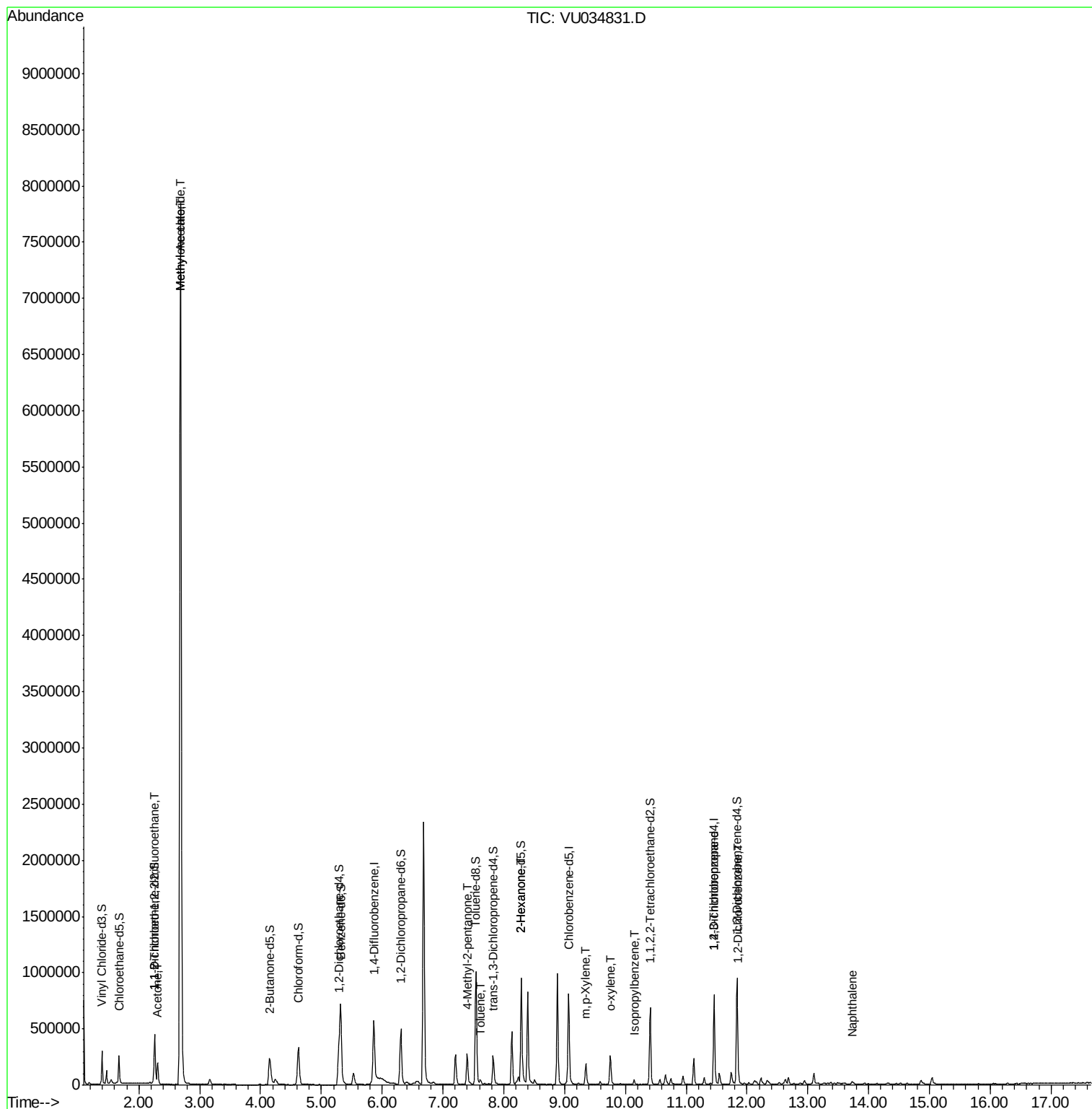
						Qvalue
10) 1,1,2-Trichloro-1,2,2-trif	2.26	101	2237	0.768	ug/L #	23
13) Acetone	2.31	43	197841	50.731	ug/L	94
15) Methyl Acetate	2.68	43	17855	3.428	ug/L	96
16) Methylene chloride	2.68	84	3100534	875.568	ug/L	96
40) 4-Methyl-2-pentanone	7.40	43	102021	12.638	ug/L #	59
42) Toluene	7.62	91	23021	1.500	ug/L	99
48) 2-Hexanone	8.29	43	147205	23.348	ug/L #	53
53) m,p-Xylene	9.35	106	49362	8.064	ug/L	98
54) o-xylene	9.76	106	44969	7.428	ug/L	92
56) Isopropylbenzene	10.14	105	24327	1.490	ug/L	98
59) 1,2,3-Trichloropropane	11.46	75	29524	5.591	ug/L	93
65) 1,2-Dichlorobenzene	11.85	146	14393	2.179	ug/L	94
69) Naphthalene	13.73	128	22134	1.856	ug/L	97

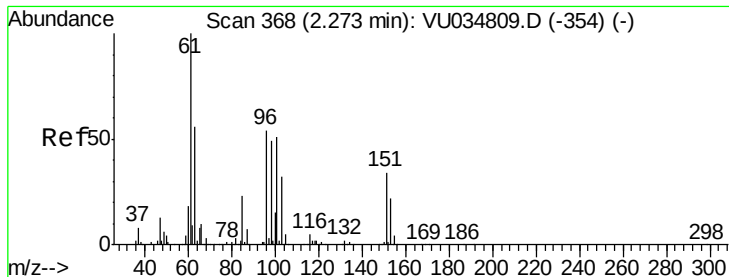
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#10

1,1,2-Trichloro-1,2,2-trifluoroethane

Concen: 0.768 ug/L

RT: 2.26 min Scan# 364

Delta R.T. -0.01 min

Lab File: VU034831.D

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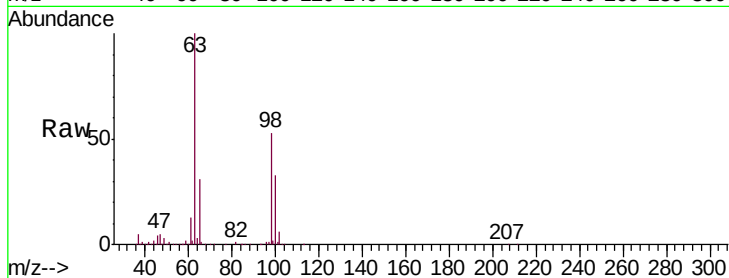
Tgt Ion: 101 Resp: 2237

Ion Ratio Lower Upper

101 100

85 1.8 39.0 58.4#

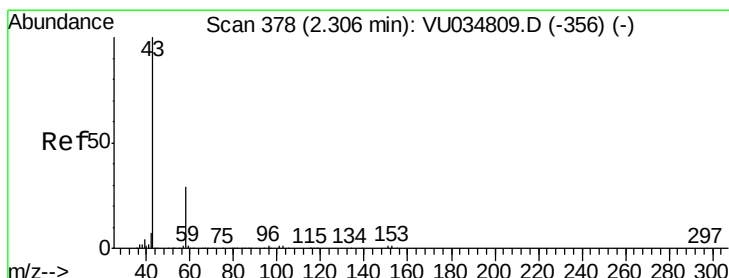
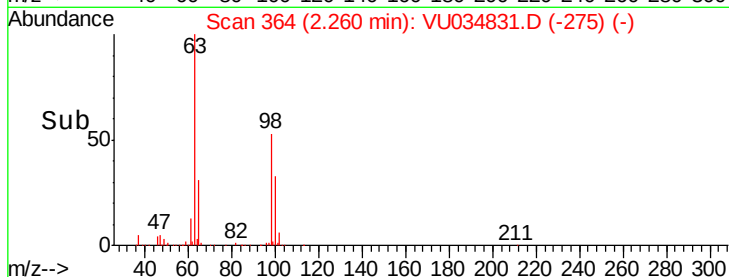
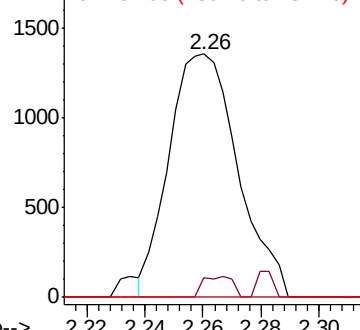
151 0.0 52.8 79.2#



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 85.00 (84.70 to 85.70): VU0

Ion 151.00 (150.70 to 151.70): V



#13

Acetone

Concen: 50.731 ug/L

RT: 2.31 min Scan# 378

Delta R.T. -0.00 min

Lab File: VU034831.D

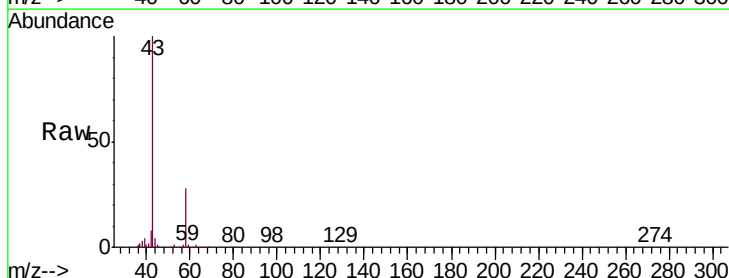
Acq: 26 Sep 2019 02:36

Tgt Ion: 43 Resp: 197841

Ion Ratio Lower Upper

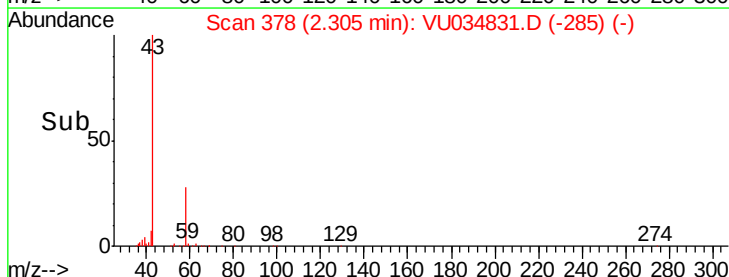
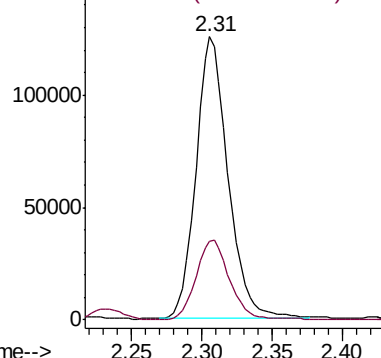
43 100

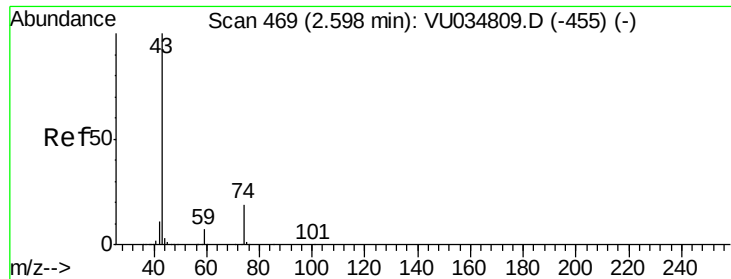
58 29.5 0.0 53.4



Abundance Ion 43.00 (42.70 to 43.70): VU0

Ion 58.00 (57.70 to 58.70): VU0

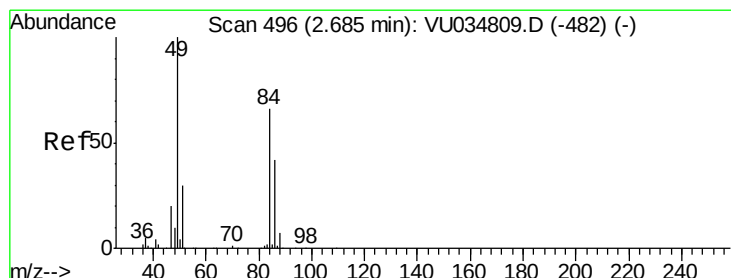
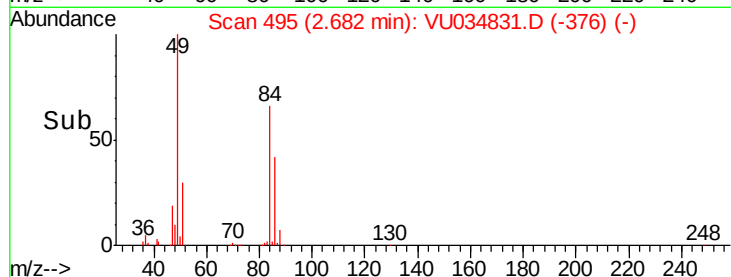
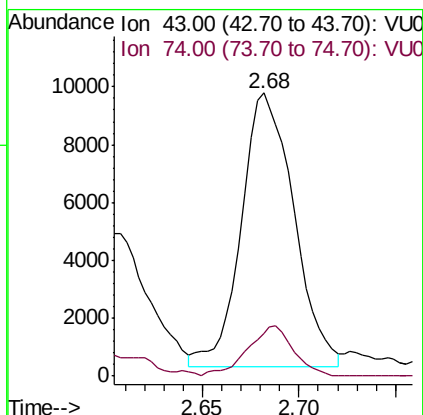
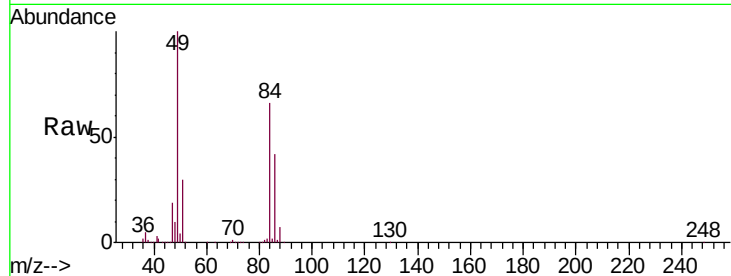




#15
Methyl Acetate
Concen: 3.428 ug/L
RT: 2.68 min Scan# 495
Delta R.T. 0.08 min
Lab File: VU034831.D
Acq: 26 Sep 2019 02:36

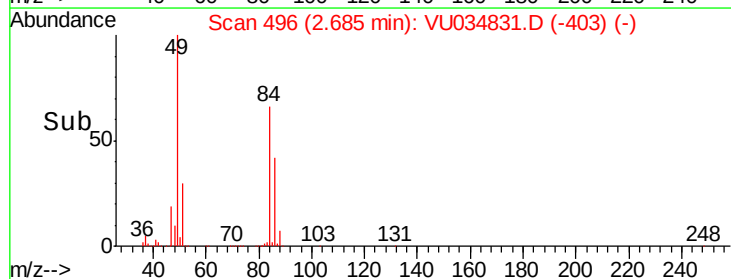
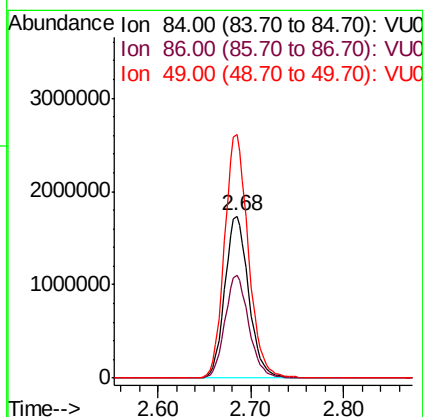
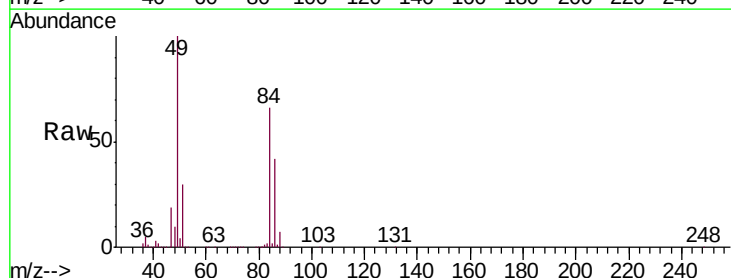
Instrument :
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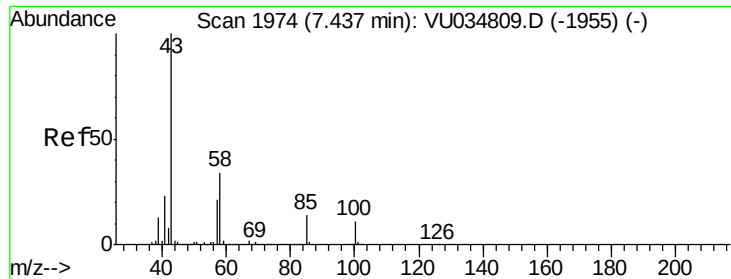
Tgt Ion: 43 Resp: 17855
Ion Ratio Lower Upper
43 100
74 16.0 14.4 21.6



#16
Methylene chloride
Concen: 875.568 ug/L
RT: 2.68 min Scan# 496
Delta R.T. -0.00 min
Lab File: VU034831.D
Acq: 26 Sep 2019 02:36

Tgt Ion: 84 Resp: 3100534
Ion Ratio Lower Upper
84 100
86 63.6 43.0 80.0
49 150.4 109.7 203.7

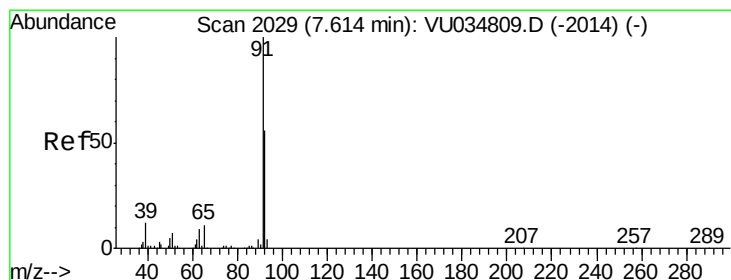
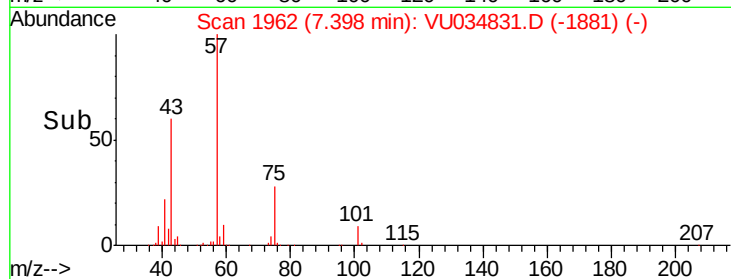
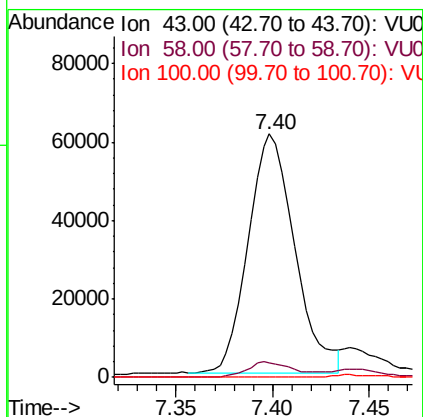
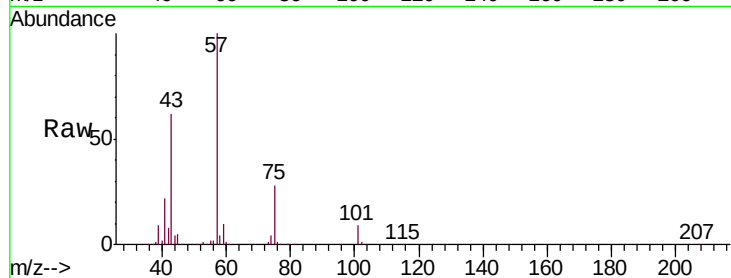




#40
 4-Methyl-2-pentanone
 Concen: 12.638 ug/L
 RT: 7.40 min Scan# 1962
 Delta R.T. -0.04 min
 Lab File: VU034831.D
 Acq: 26 Sep 2019 02:36

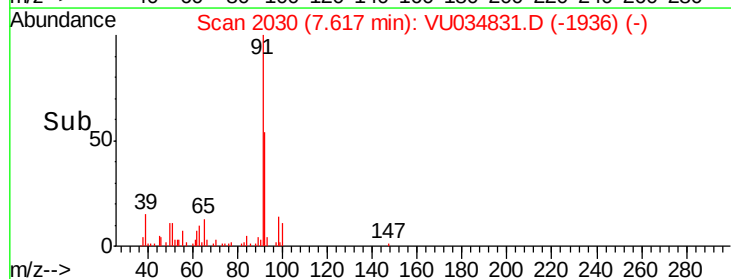
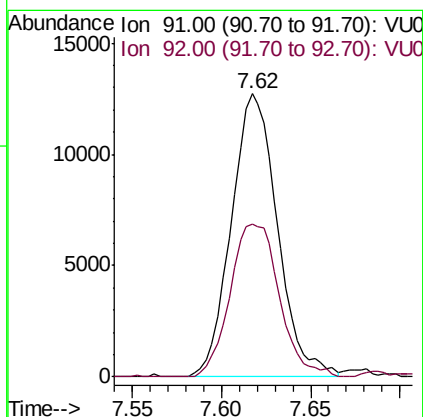
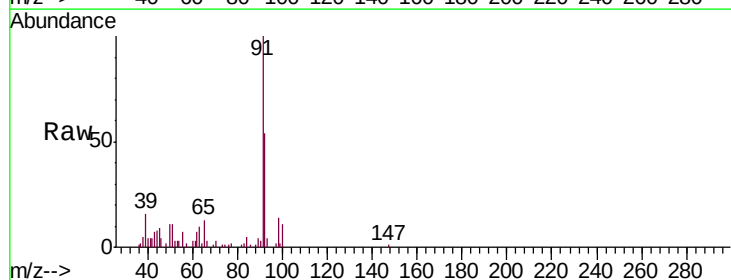
Instrument :
 MSVOA_U
 ClientSampleId :
 BFDL2

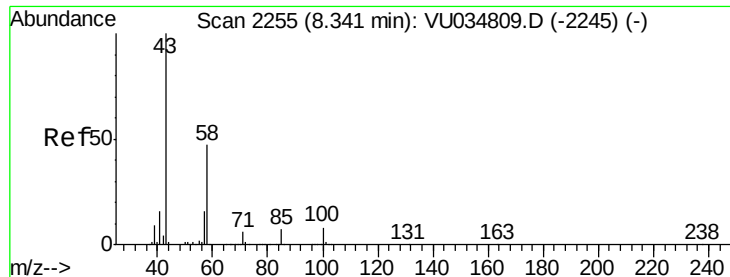
Tgt Ion: 43 Resp: 102021
 Ion Ratio Lower Upper
 43 100
 58 6.6 25.2 37.8#
 100 0.0 7.7 11.5#



#42
 Toluene
 Concen: 1.500 ug/L
 RT: 7.62 min Scan# 2030
 Delta R.T. 0.00 min
 Lab File: VU034831.D
 Acq: 26 Sep 2019 02:36

Tgt Ion: 91 Resp: 23021
 Ion Ratio Lower Upper
 91 100
 92 53.8 38.2 71.0

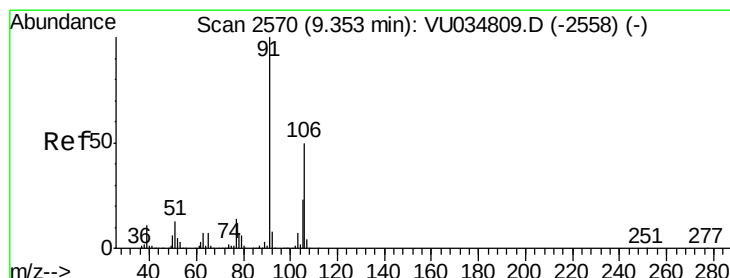
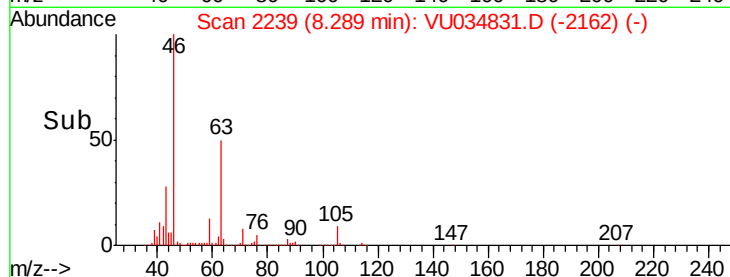
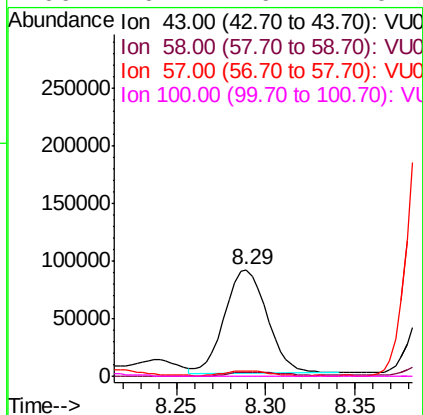
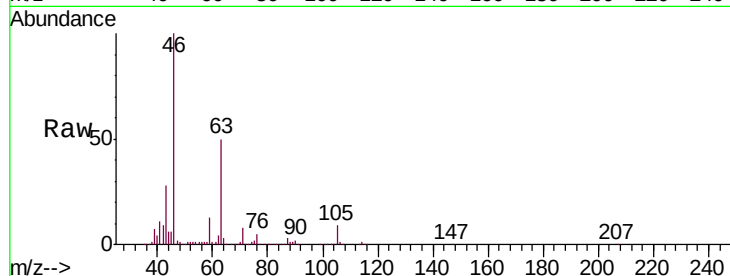




#48
2-Hexanone
Concen: 23.348 ug/L
RT: 8.29 min Scan# 2239
Delta R.T. -0.05 min
Lab File: VU034831.D
Acq: 26 Sep 2019 02:36

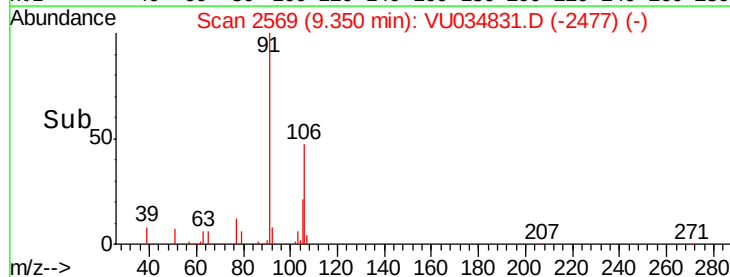
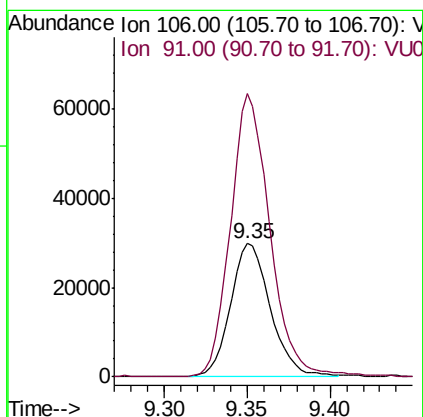
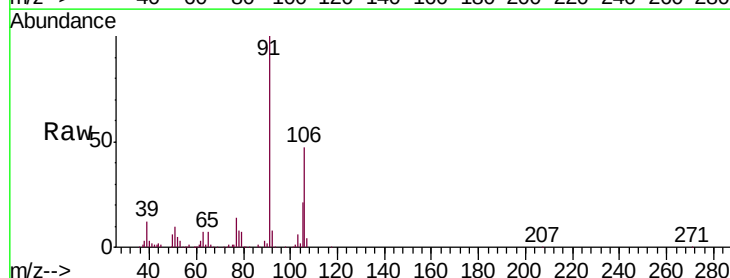
Instrument :
MSVOA_U
ClientSampleId :
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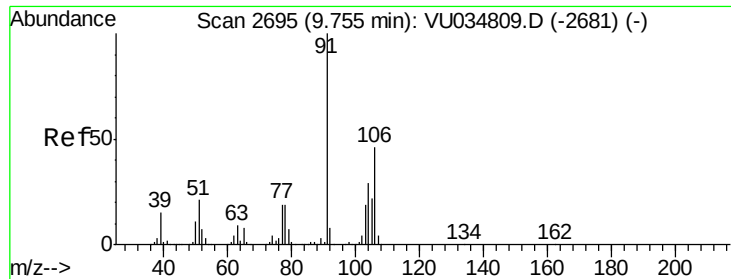
Tgt Ion: 43 Resp: 147205
Ion Ratio Lower Upper
43 100
58 5.6 35.3 52.9#
57 4.9 12.1 18.1#
100 0.1 6.2 9.4#



#53
m,p-Xylene
Concen: 8.064 ug/L
RT: 9.35 min Scan# 2569
Delta R.T. -0.00 min
Lab File: VU034831.D
Acq: 26 Sep 2019 02:36

Tgt Ion: 106 Resp: 49362
Ion Ratio Lower Upper
106 100
91 212.5 146.9 272.7

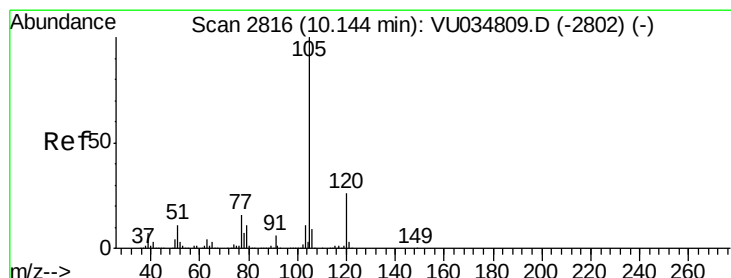
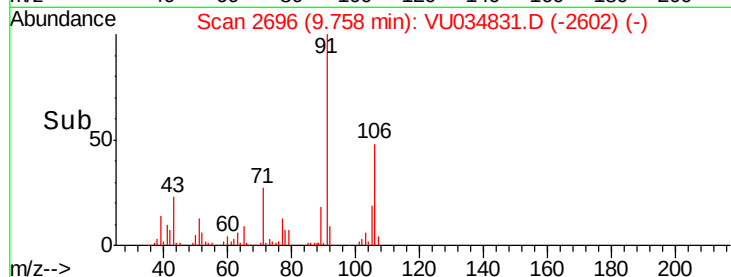
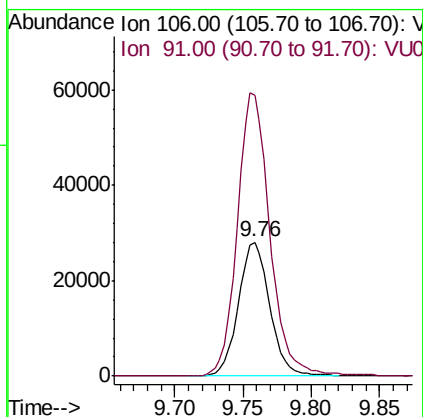
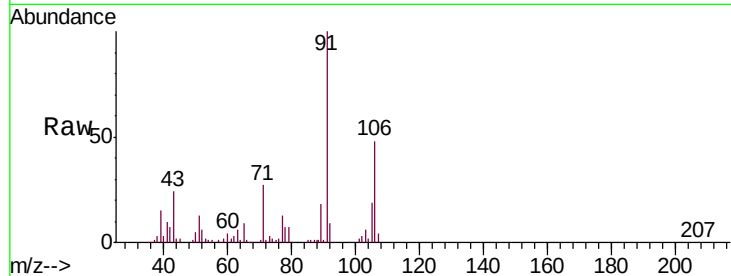




#54
o-xylene
Concen: 7.428 ug/L
RT: 9.76 min Scan# 2696
Delta R.T. 0.00 min
Lab File: VU034831.D
Acq: 26 Sep 2019 02:36

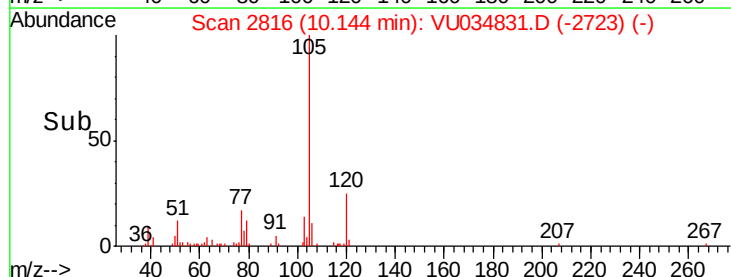
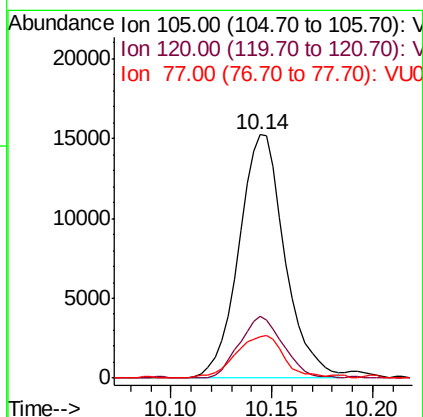
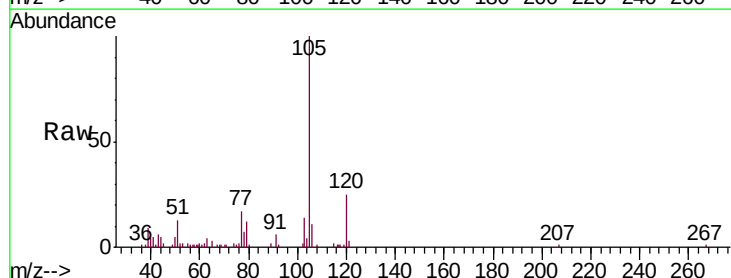
Instrument :
MSVOA_U
ClientSampleId :
BFDL2

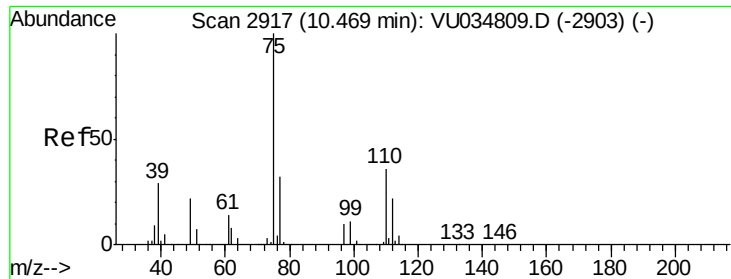
Tgt Ion:106 Resp: 44969
Ion Ratio Lower Upper
106 100
91 209.6 155.6 289.0



#56
Isopropylbenzene
Concen: 1.490 ug/L
RT: 10.14 min Scan# 2816
Delta R.T. -0.00 min
Lab File: VU034831.D
Acq: 26 Sep 2019 02:36

Tgt Ion:105 Resp: 24327
Ion Ratio Lower Upper
105 100
120 24.1 20.4 30.6
77 18.3 14.2 21.4





#59

1,2,3-Trichloropropane

Concen: 5.591 ug/L

RT: 11.46 min Scan# 3225

Delta R.T. 0.99 min

Lab File: VU034831.D

Acq: 26 Sep 2019 02:36

Instrument :

MSVOA_U

ClientSampleId :

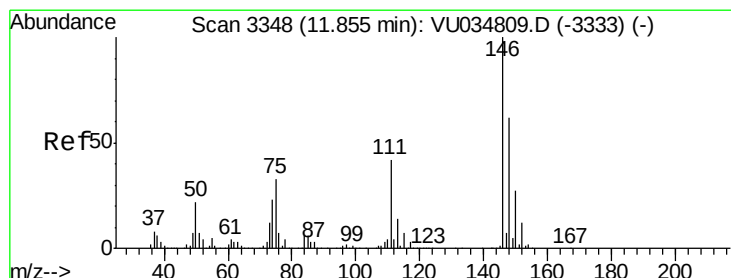
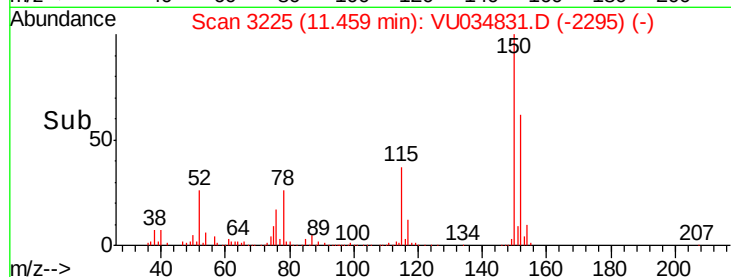
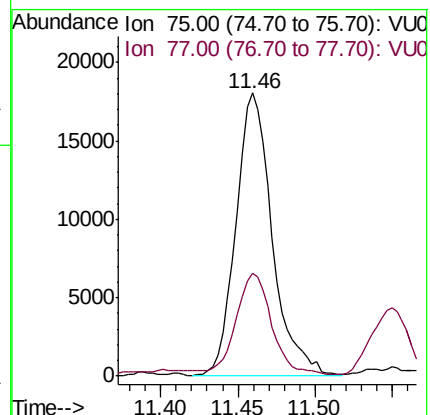
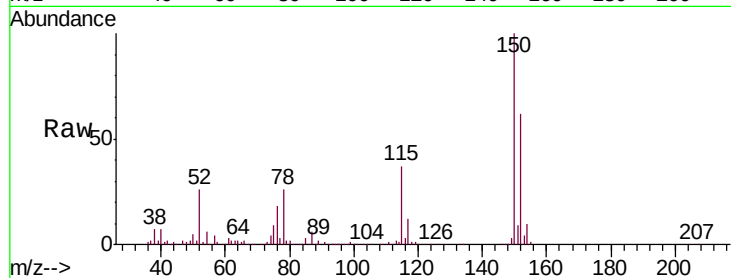
BFDL2

Tgt Ion: 75 Resp: 29524

Ion Ratio Lower Upper

75 100

77 34.5 24.6 37.0



#65

1,2-Dichlorobenzene

Concen: 2.179 ug/L

RT: 11.85 min Scan# 3348

Delta R.T. -0.00 min

Lab File: VU034831.D

Acq: 26 Sep 2019 02:36

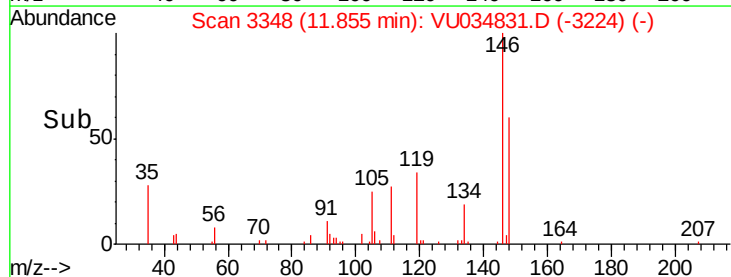
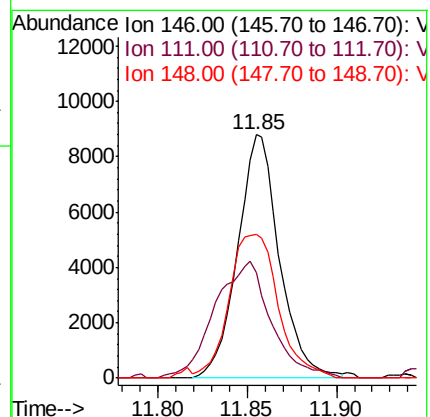
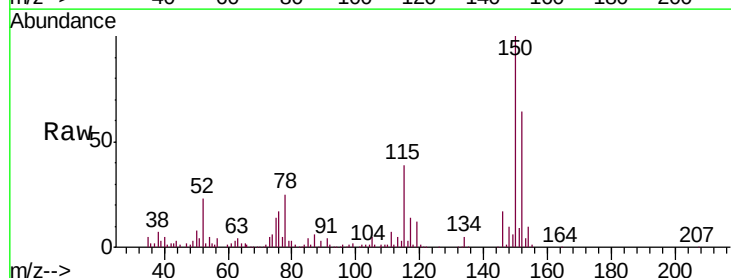
Tgt Ion: 146 Resp: 14393

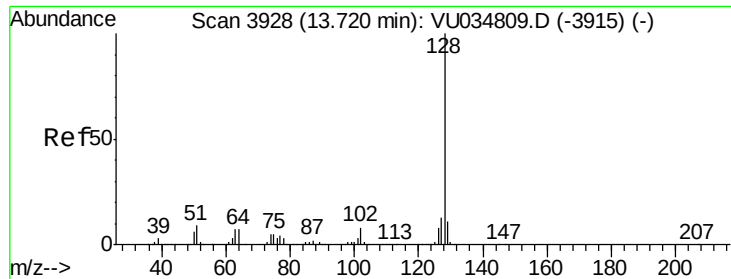
Ion Ratio Lower Upper

146 100

111 43.2 35.2 52.8

148 59.2 53.0 79.6





#69

Naphthalene

Concen: 1.856 ug/L

RT: 13.73 min Scan# 3931

Delta R.T. 0.01 min

Lab File: VU034831.D

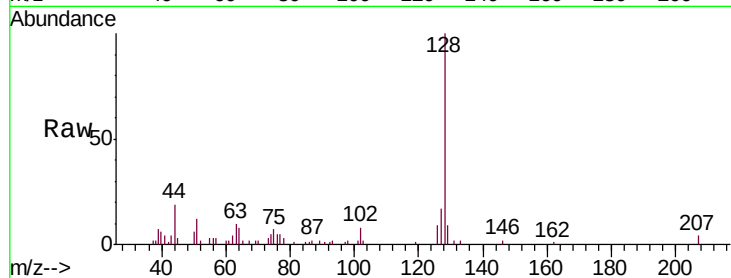
Acq: 26 Sep 2019 02:36

Instrument :

MSVOA_U

ClientSampleId :

BFDL2



Tgt Ion:128 Resp: 22134

Ion Ratio Lower Upper

128 100

127 11.3 10.8 16.2

129 10.6 8.6 12.8

