

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY052322\
 Data File : VY008998.D
 Acq On : 23 May 2022 12:00
 Operator : KP/MD
 Sample : N2887-04
 Misc : 5.69g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 P038-SS001-0006-01

Quant Time: May 24 01:46:32 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y052022S.M
 Quant Title : SW846 8260
 QLast Update : Fri May 20 23:50:52 2022
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

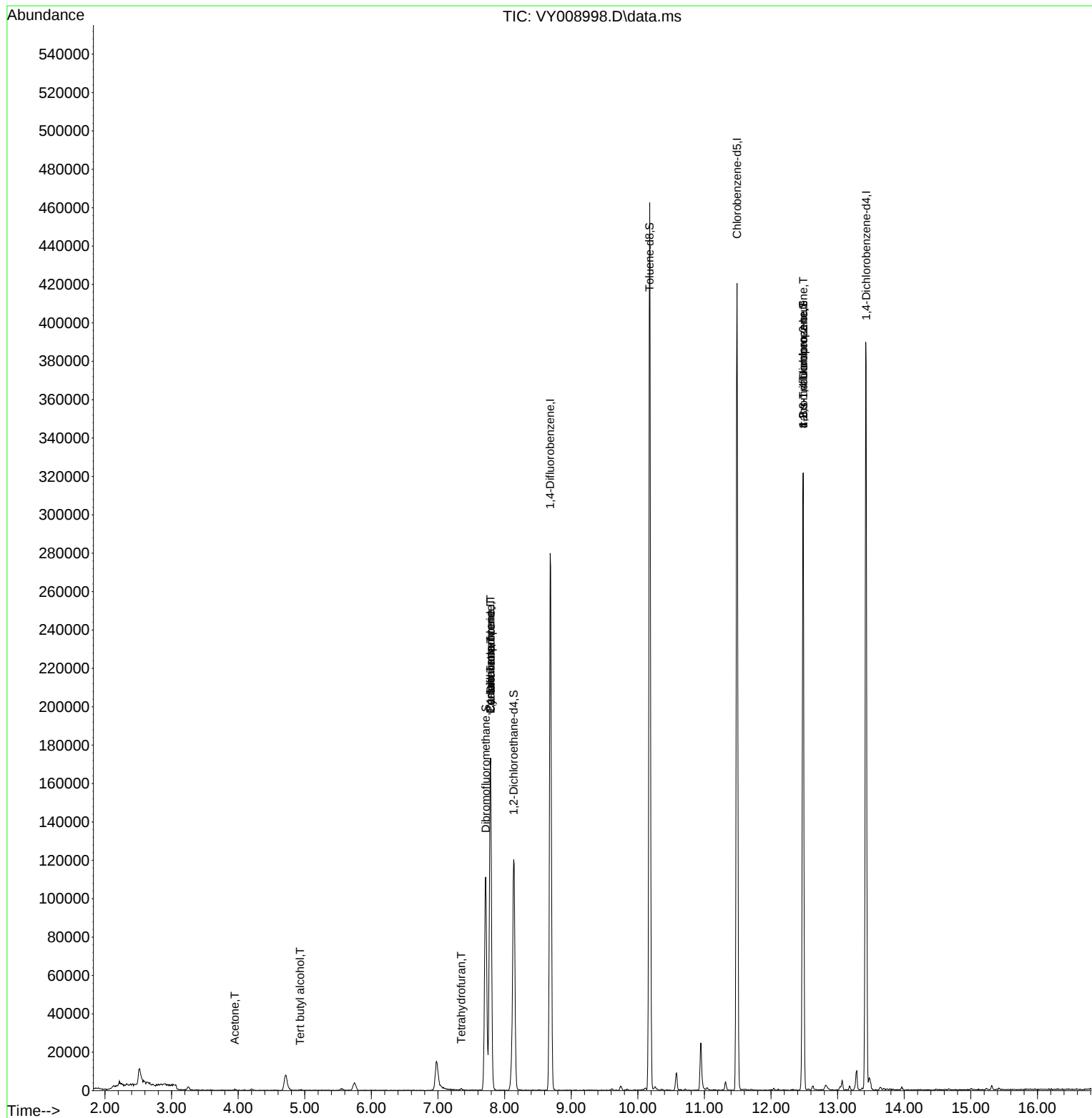
Internal Standards						
1) Pentafluorobenzene	7.789	168	132084	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.685	114	235150	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.489	117	219511	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	93548	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.136	65	85906	63.195	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 126.380%			
35) Dibromofluoromethane	7.716	113	74260	50.784	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 101.560%			
50) Toluene-d8	10.179	98	291778	54.088	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery = 108.180%			
62) 4-Bromofluorobenzene	12.483	95	84835	38.985	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery = 77.980%			
Target Compounds						
					Qvalue	
11) Tert butyl alcohol	4.930	59	193	1.400	ug/l #	77
16) Acetone	3.948	43	650	2.297	ug/l	96
20) Methylene Chloride	4.710	84	6016	Below Cal	#	74
29) Tetrahydrofuran	7.350	42	364	1.060	ug/l #	67
31) Cyclohexane	7.789	56	3031	1.140	ug/l #	1
36) 1,1-Dichloropropene	7.789	75	11157	4.483	ug/l #	51
38) Carbon Tetrachloride	7.789	117	13372	5.137	ug/l #	16
76) 1,2,3-Trichloropropane	12.483	75	48849	48.626	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.483	75	48849	99.804	ug/l #	7

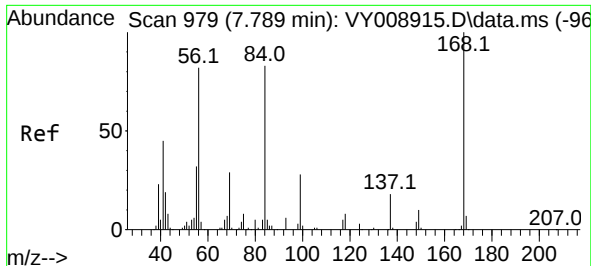
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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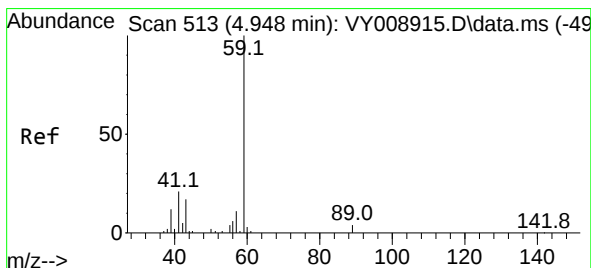
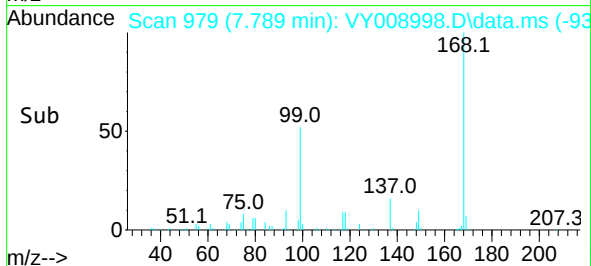
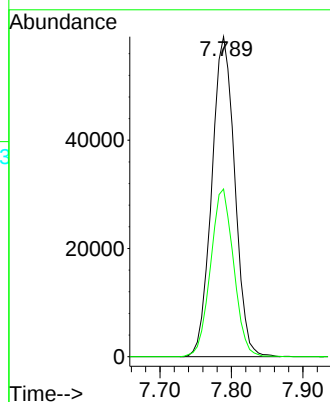
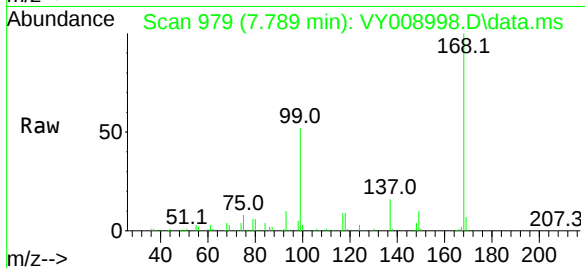




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.789 min Scan# 91
Delta R.T. -0.000 min
Lab File: VY008998.D
Acq: 23 May 2022 12:00

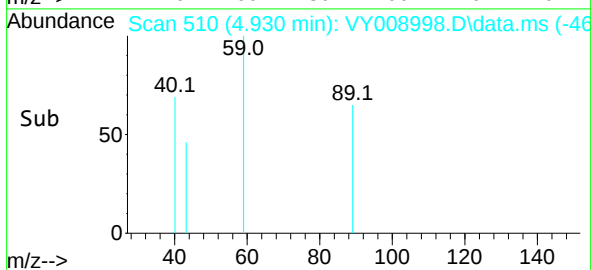
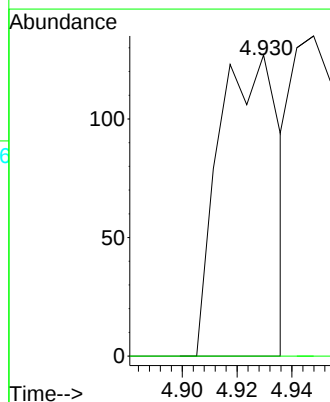
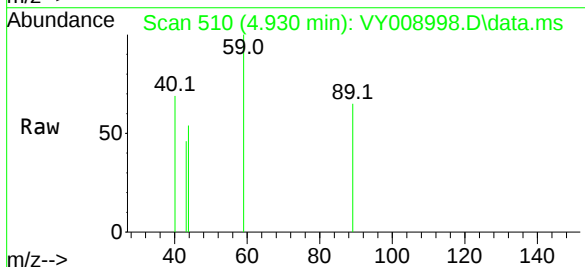
Instrument :
MSVOA_Y
ClientSampleId :
P038-SS001-0006-01

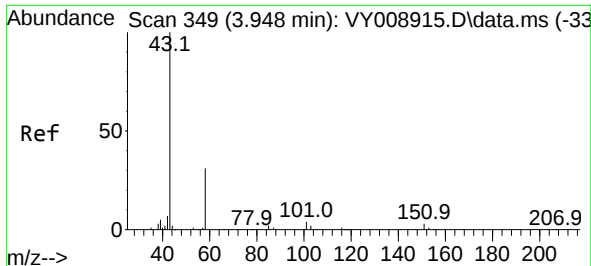
Tgt Ion:168 Resp: 132084
Ion Ratio Lower Upper
168 100
99 52.4 46.9 70.3



#11
Tert butyl alcohol
Concen: 1.400 ug/l
RT: 4.930 min Scan# 510
Delta R.T. -0.018 min
Lab File: VY008998.D
Acq: 23 May 2022 12:00

Tgt Ion: 59 Resp: 193
Ion Ratio Lower Upper
59 100
57 0.0 6.4 9.6#

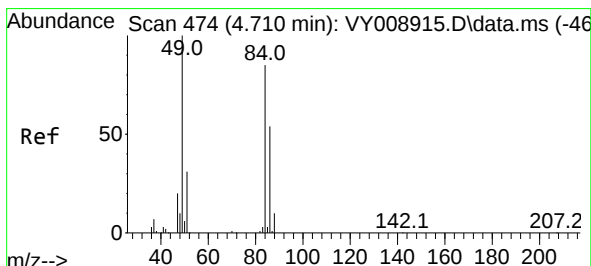
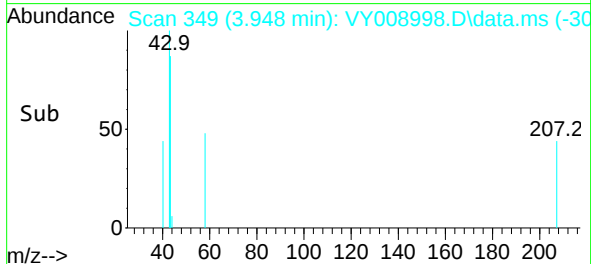
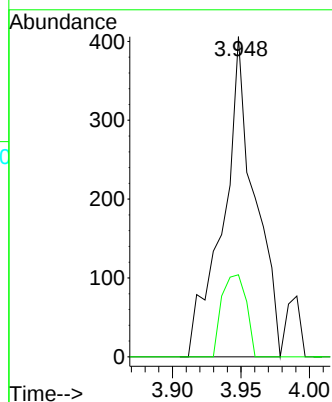
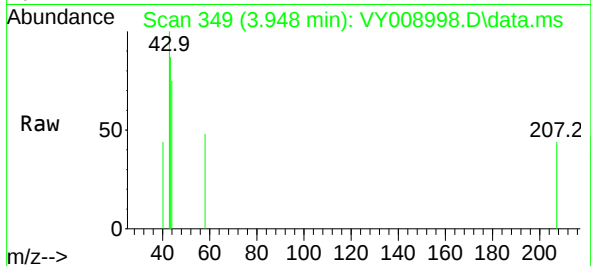




#16
Acetone
Concen: 2.297 ug/l
RT: 3.948 min Scan# 349
Delta R.T. 0.000 min
Lab File: VY008998.D
Acq: 23 May 2022 12:00

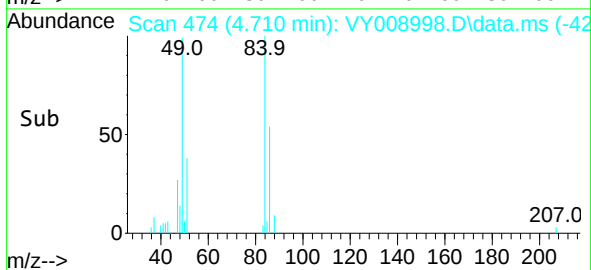
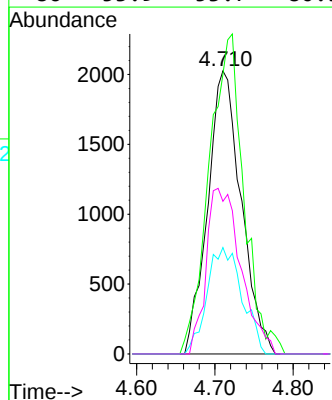
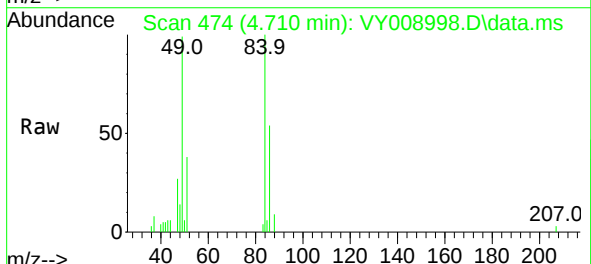
Instrument :
MSVOA_Y
ClientSampleId :
P038-SS001-0006-01

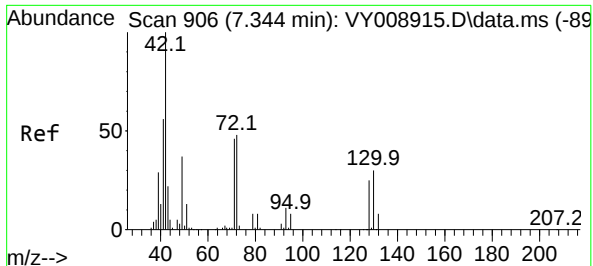
Tgt Ion: 43 Resp: 650
Ion Ratio Lower Upper
43 100
58 25.6 22.0 33.0



#20
Methylene Chloride
Concen: Below Cal
RT: 4.710 min Scan# 474
Delta R.T. 0.000 min
Lab File: VY008998.D
Acq: 23 May 2022 12:00

Tgt Ion: 84 Resp: 6016
Ion Ratio Lower Upper
84 100
49 98.8 114.4 171.6#
51 37.6 35.3 52.9
86 53.9 53.7 80.5





#29

Tetrahydrofuran

Concen: 1.060 ug/l

RT: 7.350 min Scan# 906

Delta R.T. 0.006 min

Lab File: VY008998.D

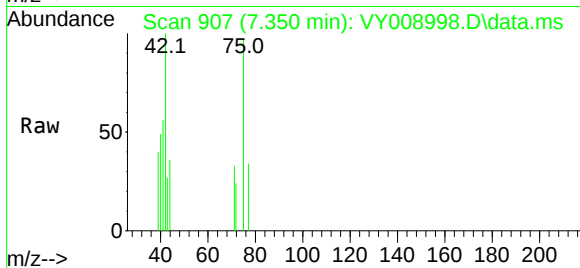
Acq: 23 May 2022 12:00

Instrument :

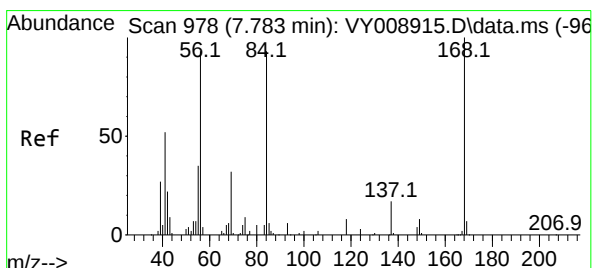
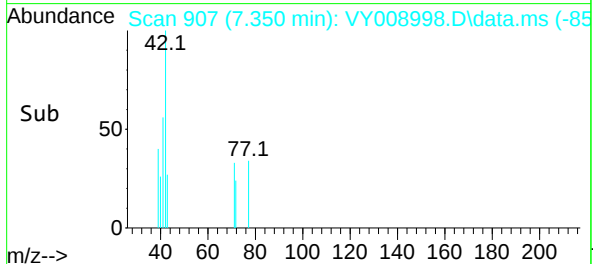
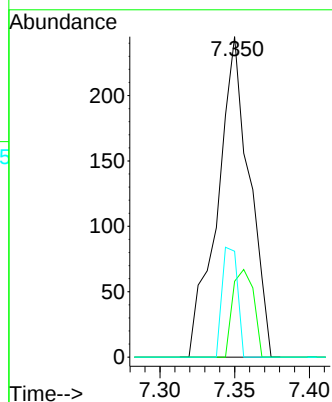
MSVOA_Y

ClientSampleId :

P038-SS001-0006-01



Tgt Ion:	42	Resp:	364
Ion	Ratio	Lower	Upper
42	100		
72	17.9	30.3	45.5#
71	16.5	29.0	43.4#



#31

Cyclohexane

Concen: 1.140 ug/l

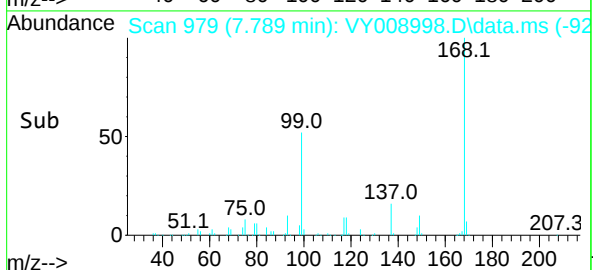
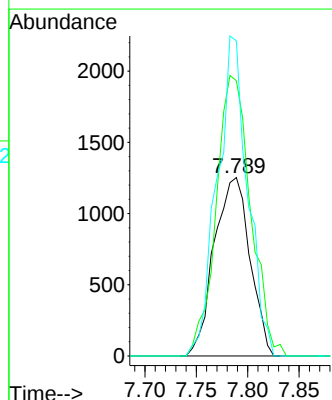
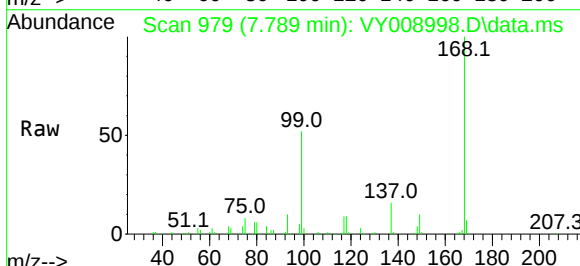
RT: 7.789 min Scan# 979

Delta R.T. 0.006 min

Lab File: VY008998.D

Acq: 23 May 2022 12:00

Tgt Ion:	56	Resp:	3031
Ion	Ratio	Lower	Upper
56	100		
69	154.3	26.7	40.1#
84	176.5	67.2	100.8#





#33

1,2-Dichloroethane-d4

Concen: 63.195 ug/l

RT: 8.136 min Scan# 1036

Delta R.T. -0.007 min

Lab File: VY008998.D

Acq: 23 May 2022 12:00

Instrument :

MSVOA_Y

ClientSampleId :

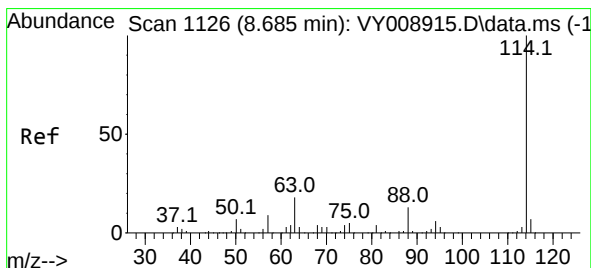
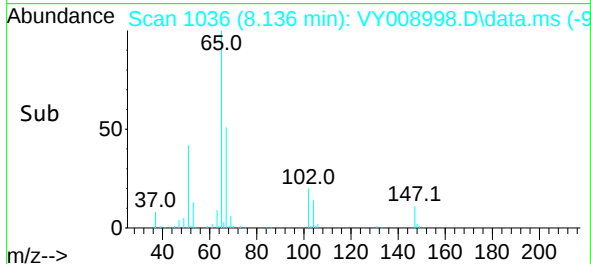
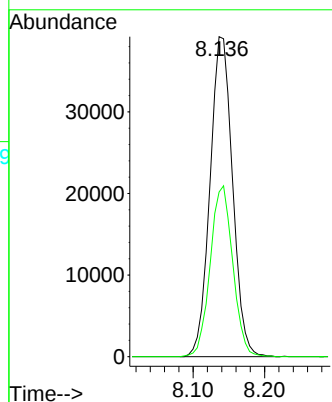
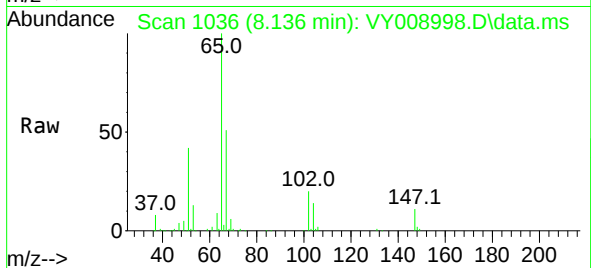
P038-SS001-0006-01

Tgt Ion: 65 Resp: 85906

Ion Ratio Lower Upper

65 100

67 53.4 0.0 99.4



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.685 min Scan# 1126

Delta R.T. 0.000 min

Lab File: VY008998.D

Acq: 23 May 2022 12:00

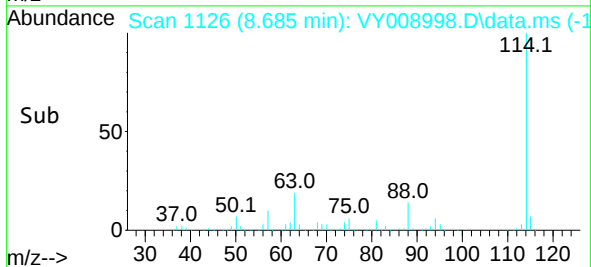
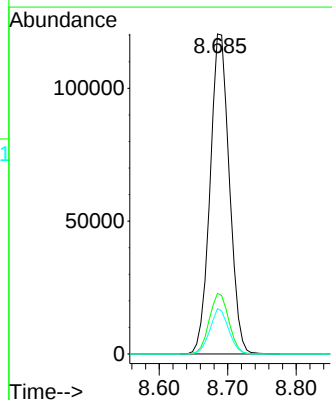
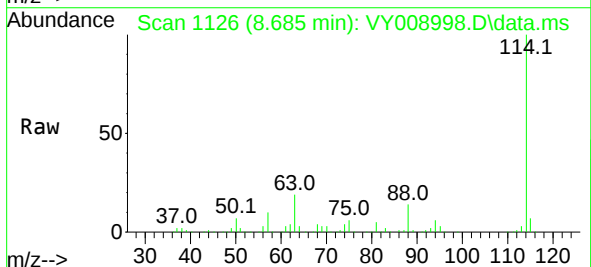
Tgt Ion: 114 Resp: 235150

Ion Ratio Lower Upper

114 100

63 18.9 0.0 43.2

88 14.2 0.0 31.8

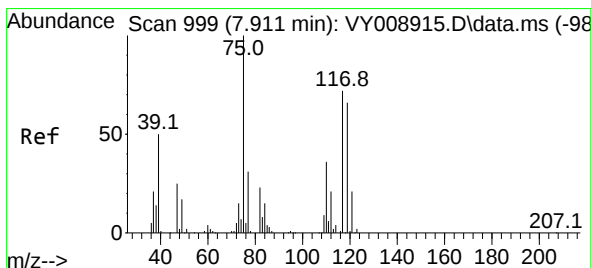
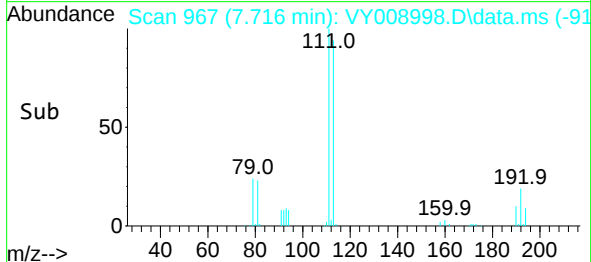
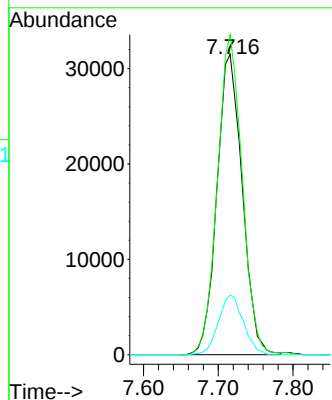
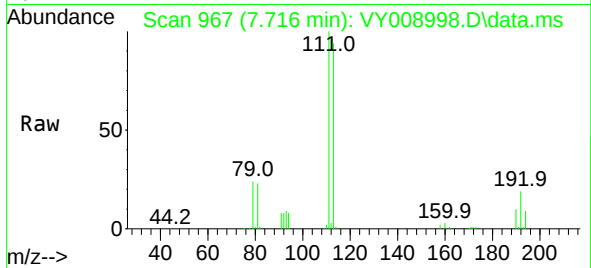




#35
Dibromofluoromethane
Concen: 50.784 ug/l
RT: 7.716 min Scan# 911
Delta R.T. -0.000 min
Lab File: VY008998.D
Acq: 23 May 2022 12:00

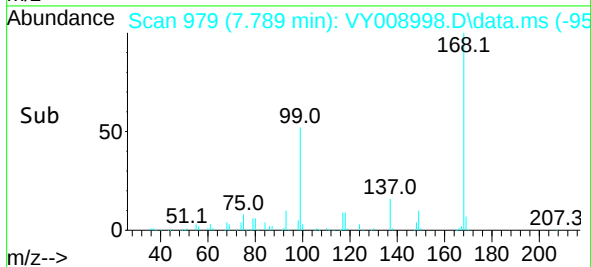
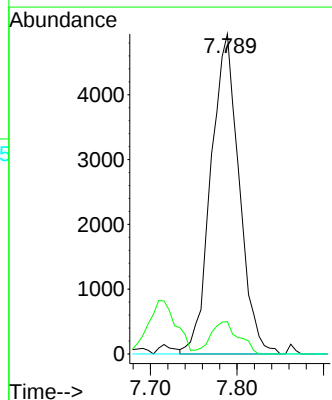
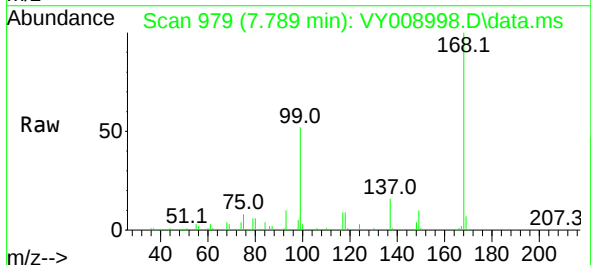
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ClientSampleId :
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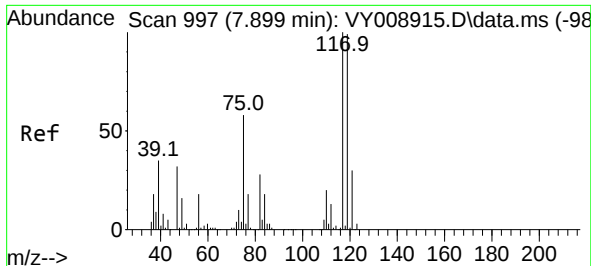
Tgt Ion:113 Resp: 74260
Ion Ratio Lower Upper
113 100
111 104.2 82.6 124.0
192 19.6 17.6 26.4



#36
1,1-Dichloropropene
Concen: 4.483 ug/l
RT: 7.789 min Scan# 979
Delta R.T. -0.122 min
Lab File: VY008998.D
Acq: 23 May 2022 12:00

Tgt Ion: 75 Resp: 11157
Ion Ratio Lower Upper
75 100
110 10.0 17.1 51.2#
77 0.0 24.4 36.6#

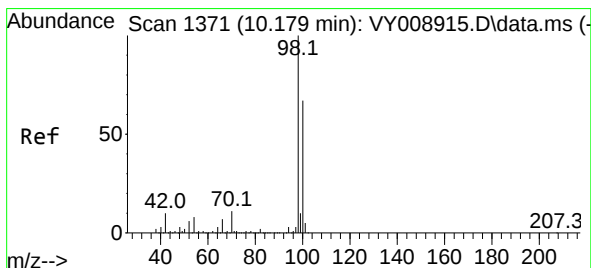
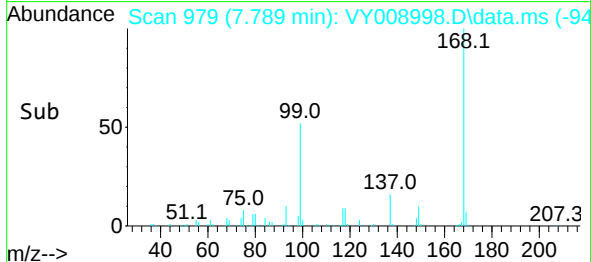
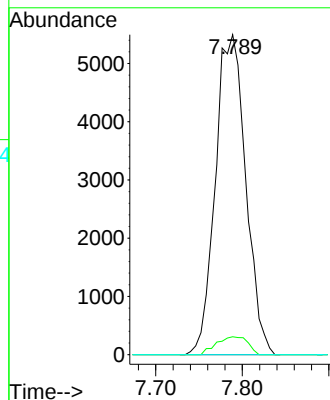
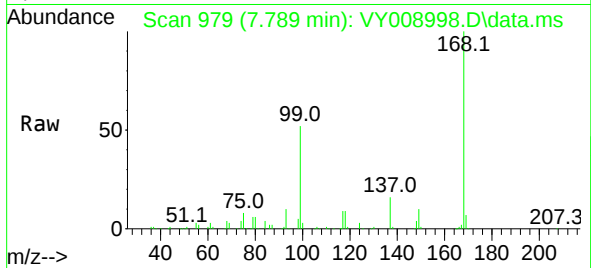




#38
Carbon Tetrachloride
Concen: 5.137 ug/l
RT: 7.789 min Scan# 91
Delta R.T. -0.110 min
Lab File: VY008998.D
Acq: 23 May 2022 12:00

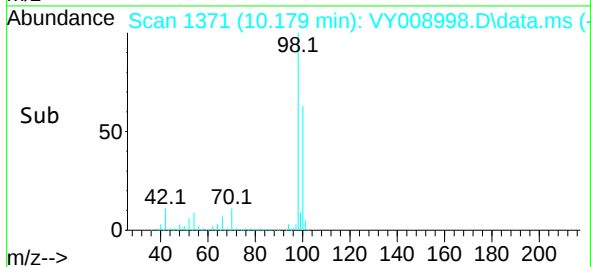
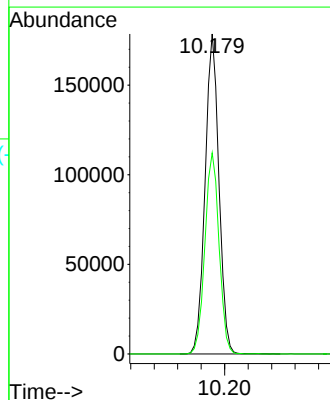
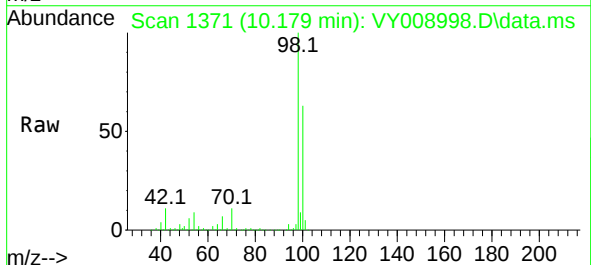
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Tgt Ion:117 Resp: 13372
Ion Ratio Lower Upper
117 100
119 5.6 77.9 116.9#
121 0.0 24.8 37.2#



#50
Toluene-d8
Concen: 54.088 ug/l
RT: 10.179 min Scan# 1371
Delta R.T. -0.000 min
Lab File: VY008998.D
Acq: 23 May 2022 12:00

Tgt Ion: 98 Resp: 291778
Ion Ratio Lower Upper
98 100
100 64.3 50.2 75.2

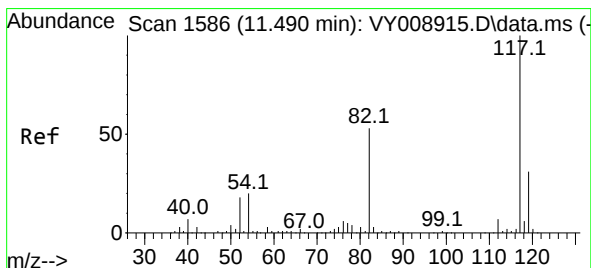
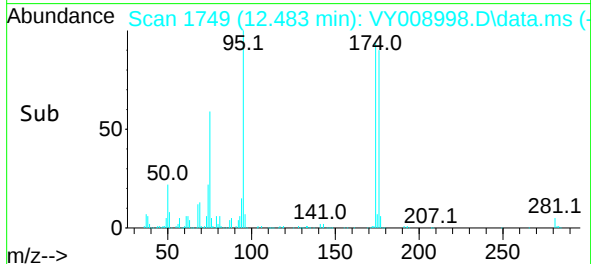
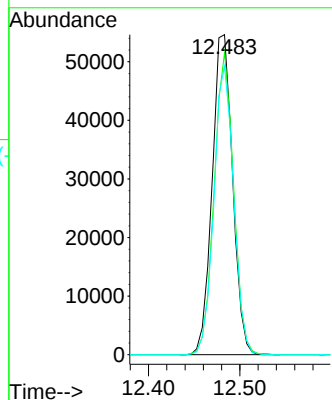
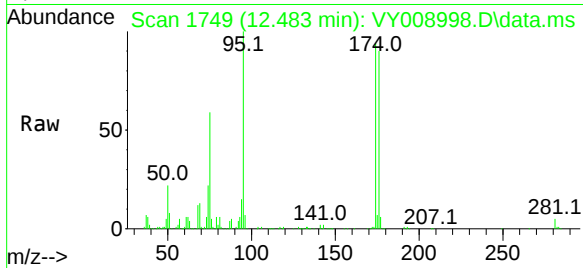




#62
4-Bromofluorobenzene
Concen: 38.985 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. 0.000 min
Lab File: VY008998.D
Acq: 23 May 2022 12:00

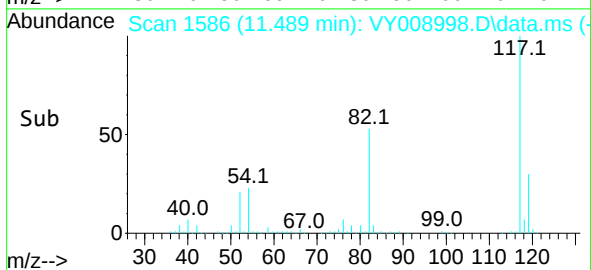
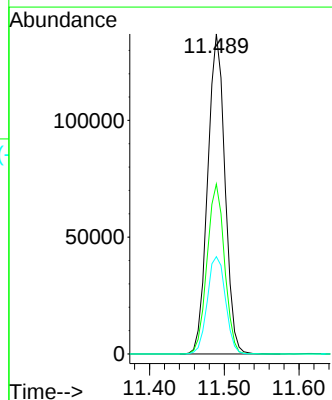
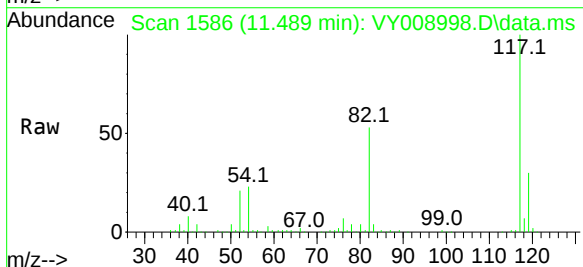
Instrument :
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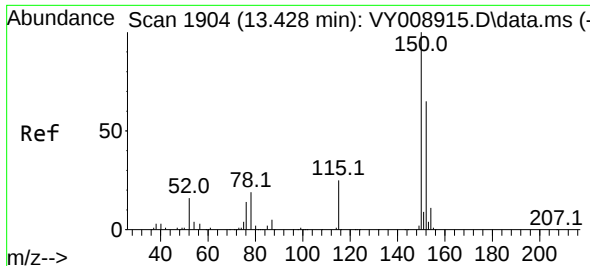
Tgt Ion: 95 Resp: 84835
Ion Ratio Lower Upper
95 100
174 90.1 0.0 177.0
176 87.2 0.0 175.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.489 min Scan# 1586
Delta R.T. -0.001 min
Lab File: VY008998.D
Acq: 23 May 2022 12:00

Tgt Ion: 117 Resp: 219511
Ion Ratio Lower Upper
117 100
82 53.1 43.0 64.4
119 30.4 25.4 38.0

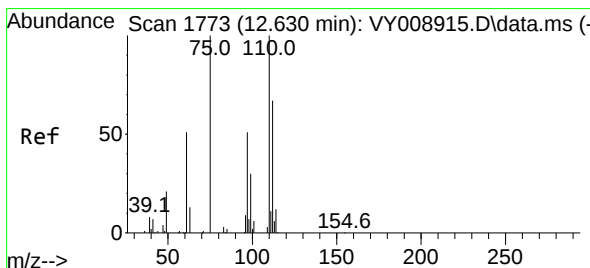
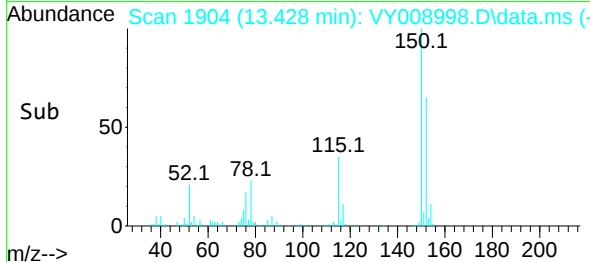
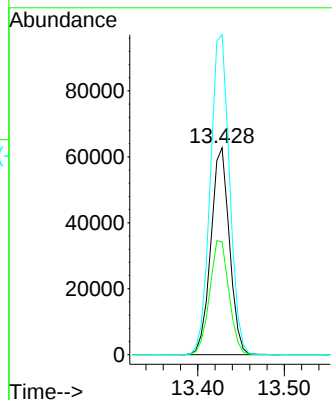
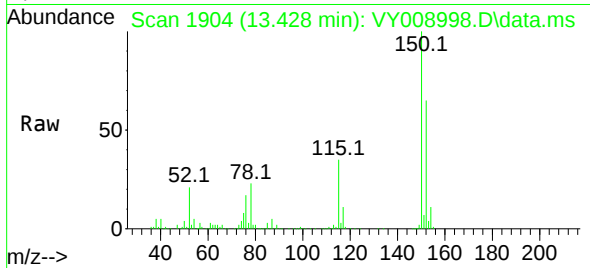




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.428 min Scan# 1904
 Delta R.T. 0.000 min
 Lab File: VY008998.D
 Acq: 23 May 2022 12:00

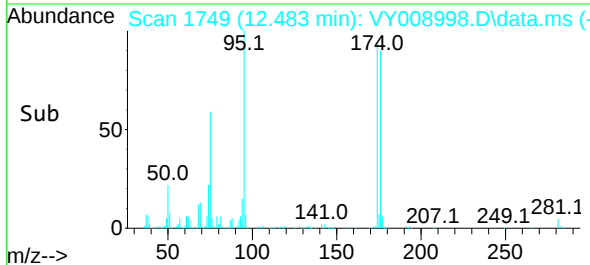
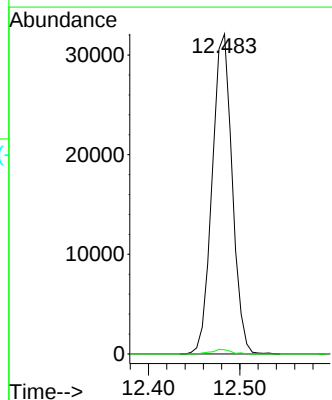
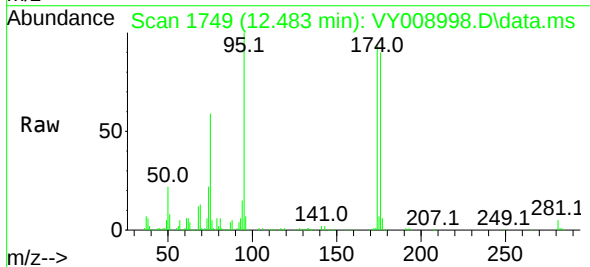
Instrument :
 MSVOA_Y
 ClientSampleId :
 P038-SS001-0006-01

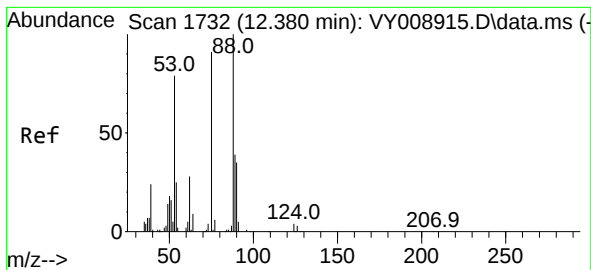
Tgt Ion:152 Resp: 93548
 Ion Ratio Lower Upper
 152 100
 115 57.4 28.2 84.7
 150 160.0 0.0 347.6



#76
 1,2,3-Trichloropropane
 Concen: 48.626 ug/l
 RT: 12.483 min Scan# 1749
 Delta R.T. -0.147 min
 Lab File: VY008998.D
 Acq: 23 May 2022 12:00

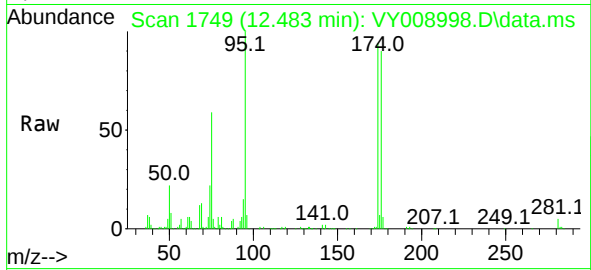
Tgt Ion: 75 Resp: 48849
 Ion Ratio Lower Upper
 75 100
 77 1.4 0.0 0.0#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 99.804 ug/l
 RT: 12.483 min Scan# 11
 Delta R.T. 0.103 min
 Lab File: VY008998.D
 Acq: 23 May 2022 12:00

Instrument :
 MSVOA_Y
 ClientSampleId :
 P038-SS001-0006-01



Tgt Ion	Ratio	Lower	Upper
75	100		
53	0.3	85.3	127.9#
89	0.0	37.0	55.4#

