

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY072123\
 Data File : VY014741.D
 Acq On : 21 Jul 2023 12:57
 Operator : SY/MD
 Sample : 03674-01
 Misc : 6.05g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 WO-7

Quant Time: Jul 22 05:35:28 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y071323S.M
 Quant Title : SW846 8260
 QLast Update : Fri Jul 14 02:09:50 2023
 Response via : Initial Calibration

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

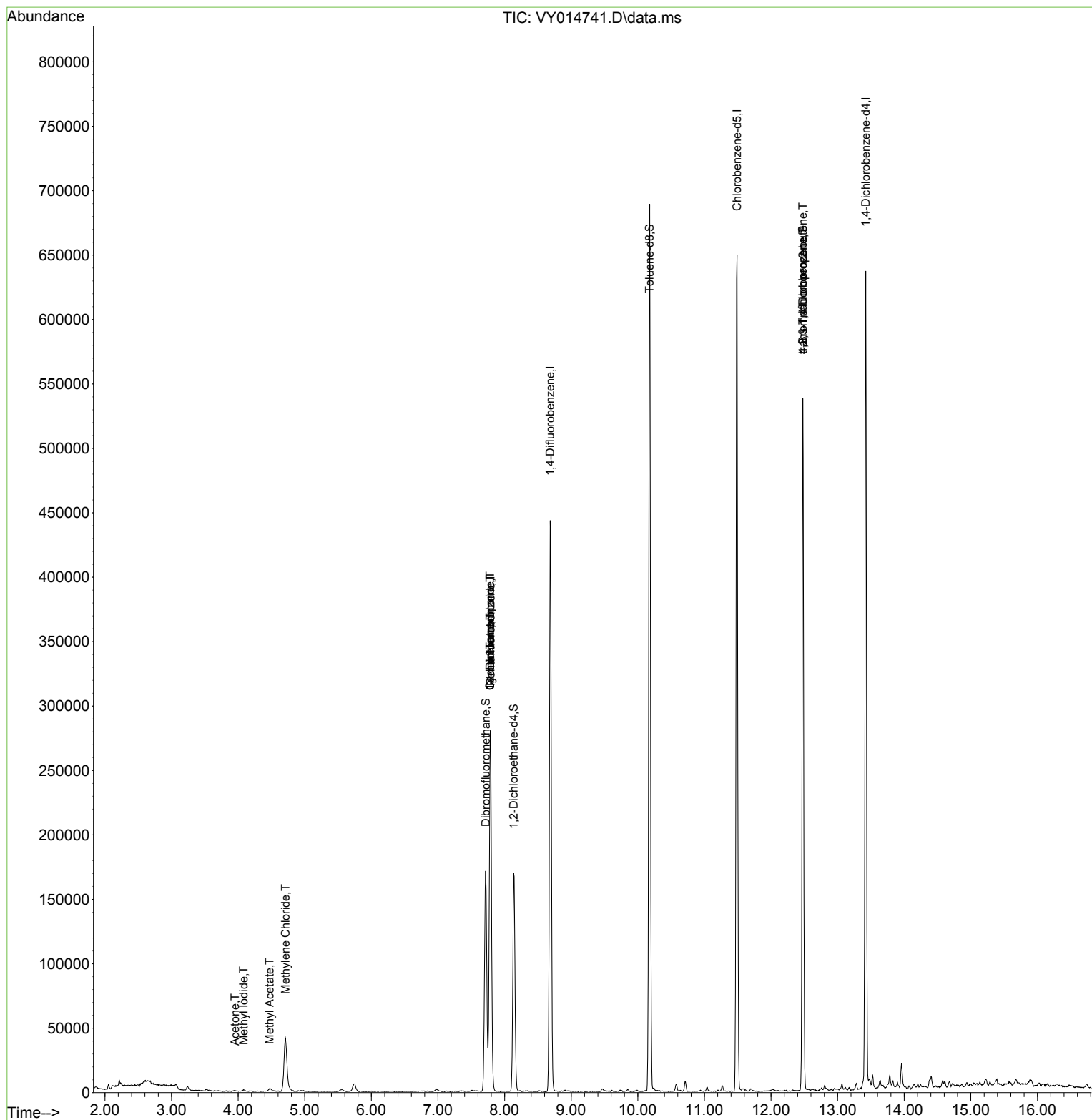
Internal Standards						
1) Pentafluorobenzene	7.789	168	224306	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.685	114	385349	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.489	117	357319	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.422	152	157641	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.136	65	133830	52.358	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 104.720%			
35) Dibromofluoromethane	7.716	113	123360	50.289	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 100.580%			
50) Toluene-d8	10.179	98	452968	50.086	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery = 100.180%			
62) 4-Bromofluorobenzene	12.477	95	163366	47.110	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery = 94.220%			
Target Compounds						
					Qvalue	
10) Methyl Iodide	4.082	142	1951	3.111	ug/l #	90
11) Tert butyl alcohol	4.960	59	1560	Below Cal	#	89
16) Acetone	3.954	43	1218	1.504	ug/l	93
18) Methyl Acetate	4.472	43	4511	1.451	ug/l	91
20) Methylene Chloride	4.710	84	31460	8.447	ug/l	88
31) Cyclohexane	7.783	56	4517	1.065	ug/l #	1
36) 1,1-Dichloropropene	7.783	75	16855	4.595	ug/l #	50
38) Carbon Tetrachloride	7.783	117	22290	5.748	ug/l #	16
76) 1,2,3-Trichloropropane	12.477	75	85964	43.177	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.477	75	85964	83.599	ug/l #	11

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

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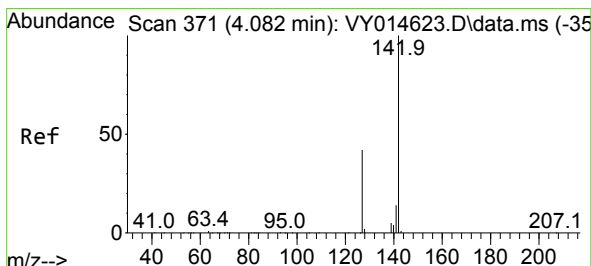
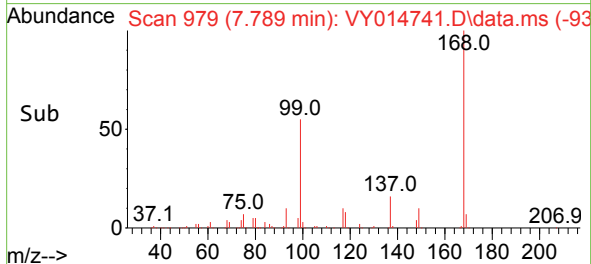
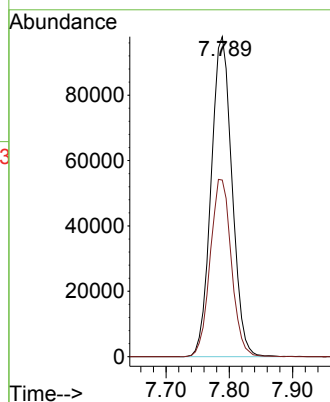
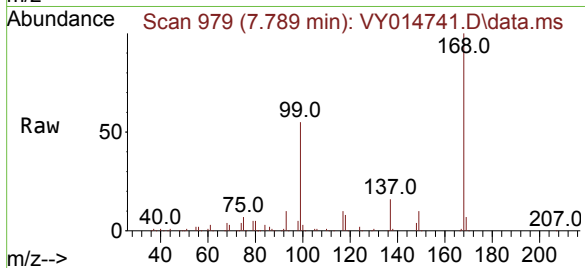




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.789 min Scan# 91
Delta R.T. -0.000 min
Lab File: VY014741.D
Acq: 21 Jul 2023 12:57

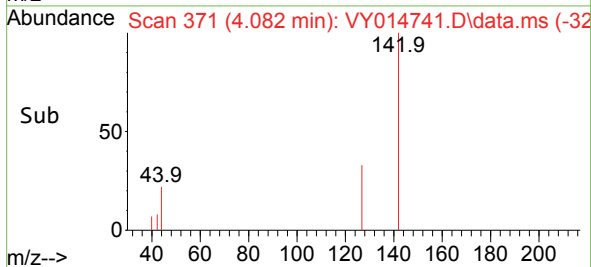
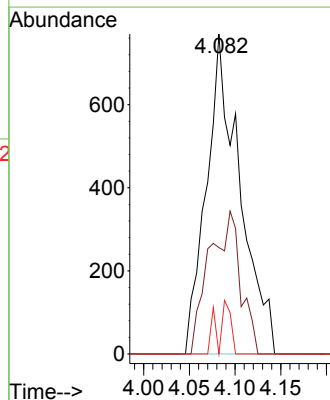
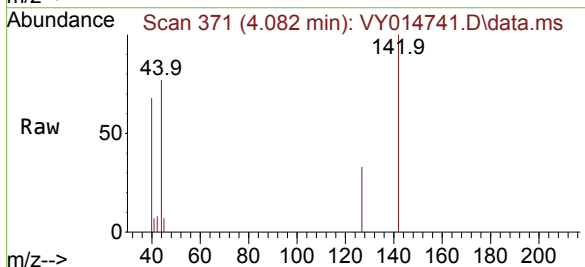
Instrument :
MSVOA_Y
ClientSampleId :
WO-7

Tgt Ion:168 Resp: 224306
Ion Ratio Lower Upper
168 100
99 55.2 43.4 65.0



#10
Methyl Iodide
Concen: 3.111 ug/l
RT: 4.082 min Scan# 371
Delta R.T. 0.000 min
Lab File: VY014741.D
Acq: 21 Jul 2023 12:57

Tgt Ion:142 Resp: 1951
Ion Ratio Lower Upper
142 100
127 42.1 37.6 56.4
141 6.4 11.8 17.8#

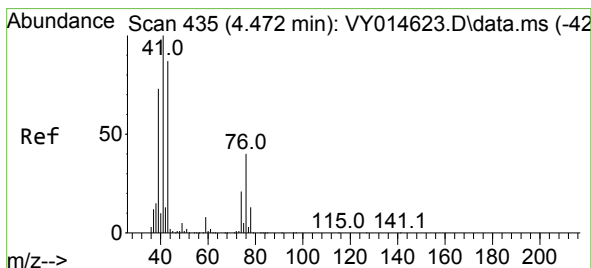
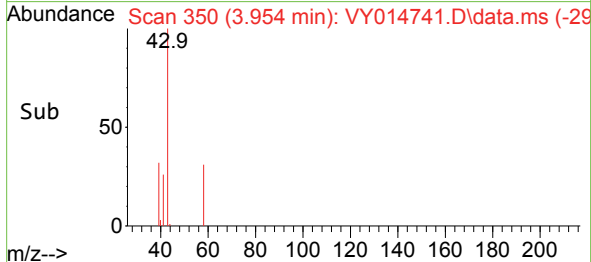
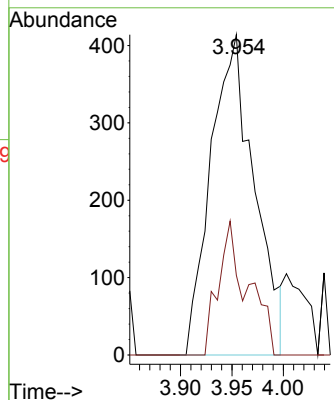
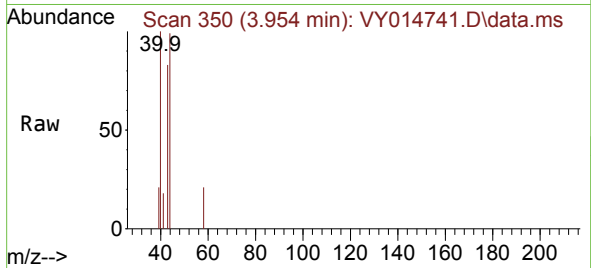




#16
Acetone
Concen: 1.504 ug/l
RT: 3.954 min Scan# 31
Delta R.T. 0.012 min
Lab File: VY014741.D
Acq: 21 Jul 2023 12:57

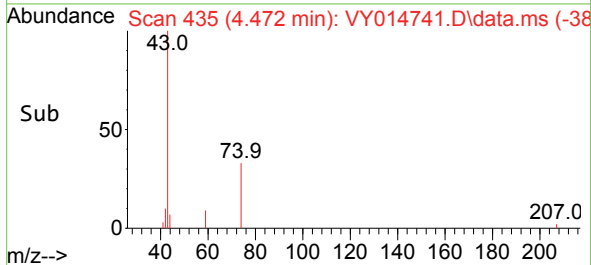
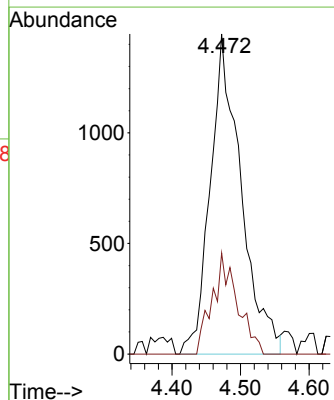
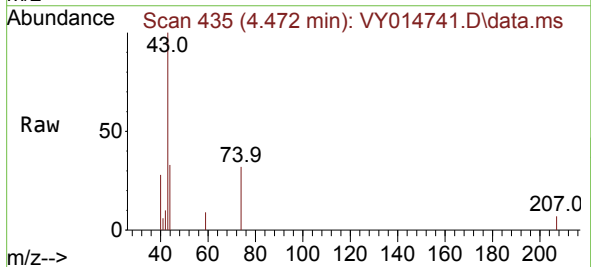
Instrument :
MSVOA_Y
ClientSampleId :
WO-7

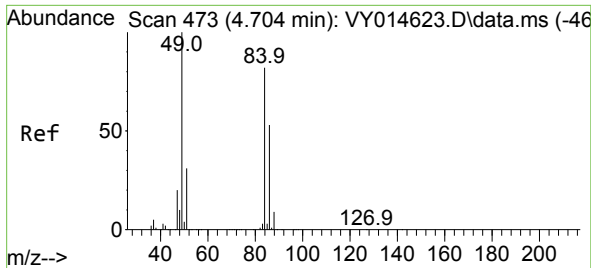
Tgt Ion: 43 Resp: 1218
Ion Ratio Lower Upper
43 100
58 24.9 22.7 34.1



#18
Methyl Acetate
Concen: 1.451 ug/l
RT: 4.472 min Scan# 435
Delta R.T. 0.000 min
Lab File: VY014741.D
Acq: 21 Jul 2023 12:57

Tgt Ion: 43 Resp: 4511
Ion Ratio Lower Upper
43 100
74 25.8 17.4 26.0





#20

Methylene Chloride

Concen: 8.447 ug/l

RT: 4.710 min Scan# 41

Delta R.T. 0.006 min

Lab File: VY014741.D

Acq: 21 Jul 2023 12:57

Instrument :

MSVOA_Y

ClientSampleId :

WO-7

Tgt Ion: 84 Resp: 31460

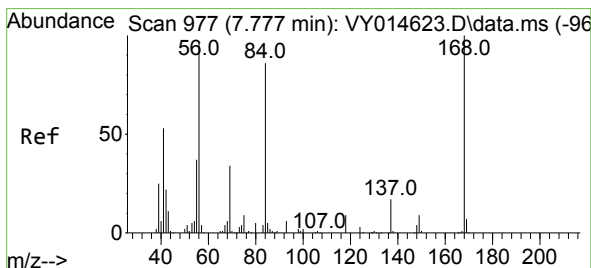
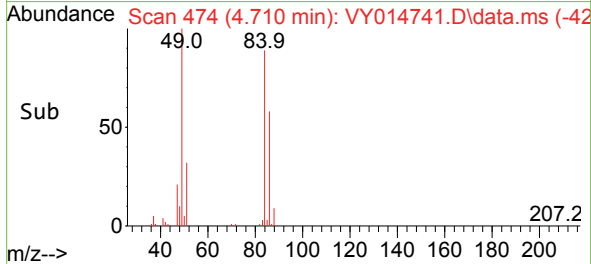
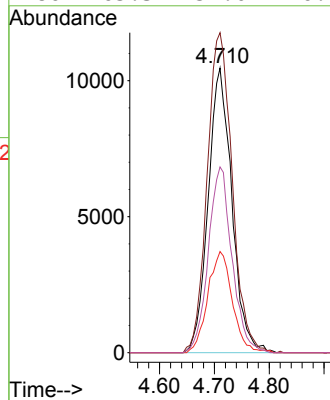
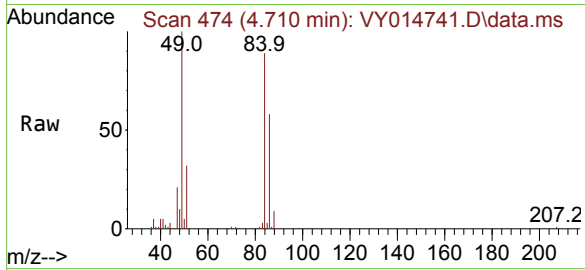
Ion Ratio Lower Upper

84 100

49 112.4 106.9 160.3

51 35.6 33.2 49.8

86 65.3 51.0 76.6



#31

Cyclohexane

Concen: 1.065 ug/l

RT: 7.783 min Scan# 978

Delta R.T. 0.006 min

Lab File: VY014741.D

Acq: 21 Jul 2023 12:57

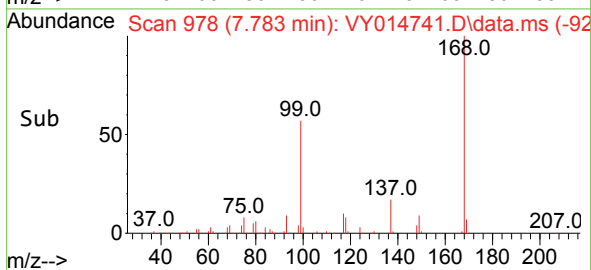
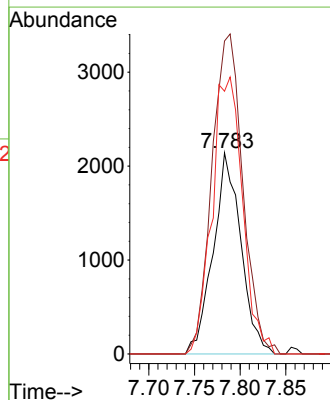
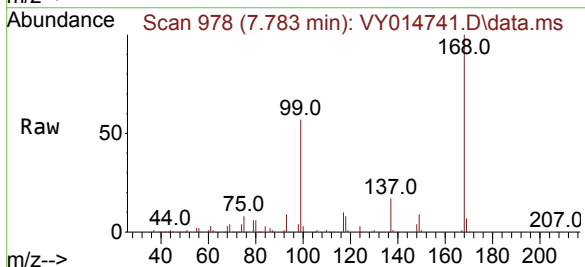
Tgt Ion: 56 Resp: 4517

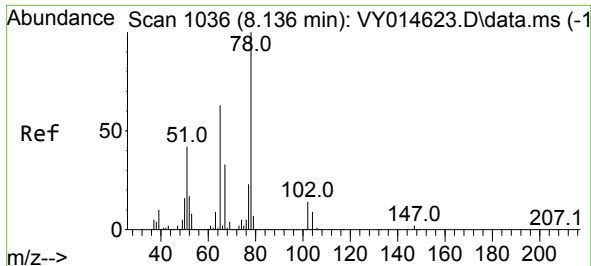
Ion Ratio Lower Upper

56 100

69 155.6 27.8 41.6#

84 130.6 66.4 99.6#

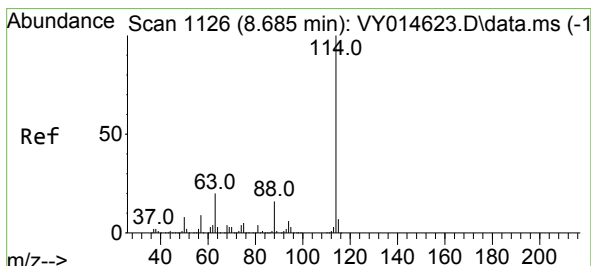
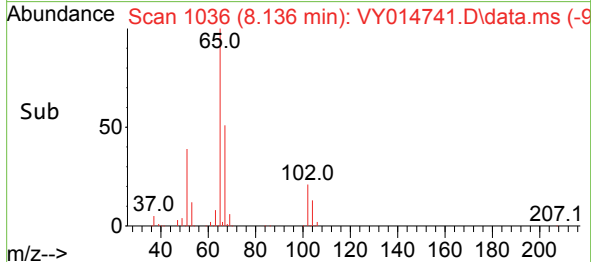
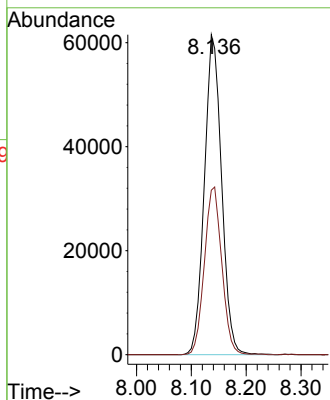
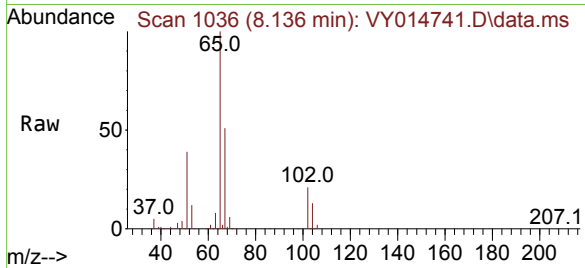




#33
1,2-Dichloroethane-d4
Concen: 52.358 ug/l
RT: 8.136 min Scan# 1036
Delta R.T. 0.000 min
Lab File: VY014741.D
Acq: 21 Jul 2023 12:57

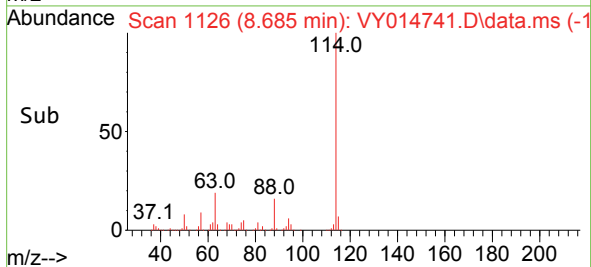
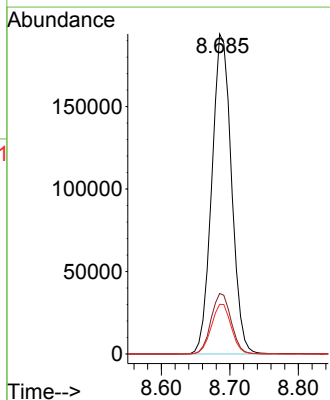
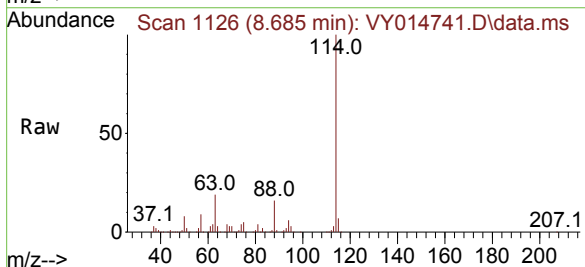
Instrument :
MSVOA_Y
ClientSampleId :
WO-7

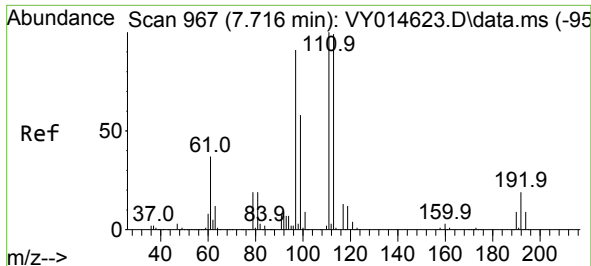
Tgt Ion: 65 Resp: 133830
Ion Ratio Lower Upper
65 100
67 53.1 0.0 101.8



#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.685 min Scan# 1126
Delta R.T. 0.000 min
Lab File: VY014741.D
Acq: 21 Jul 2023 12:57

Tgt Ion:114 Resp: 385349
Ion Ratio Lower Upper
114 100
63 18.9 0.0 42.4
88 15.5 0.0 30.6

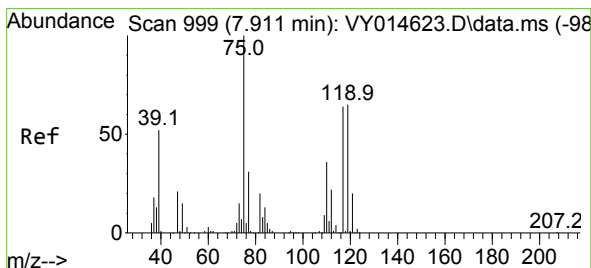
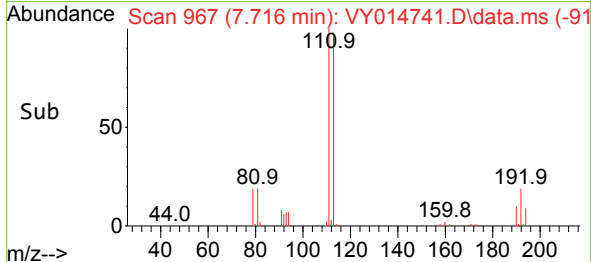
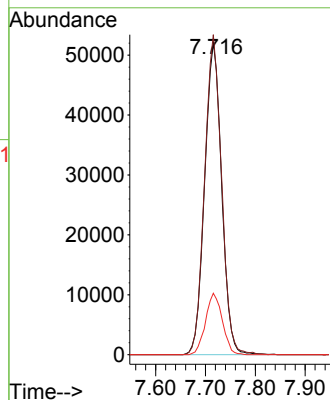
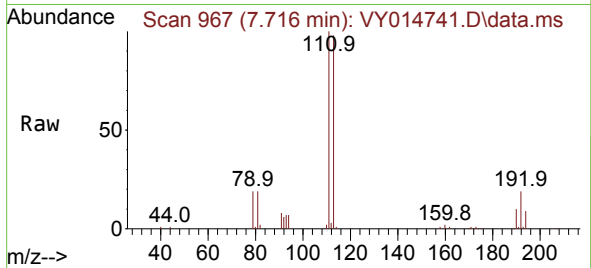




#35
Dibromofluoromethane
Concen: 50.289 ug/l
RT: 7.716 min Scan# 91
Delta R.T. -0.000 min
Lab File: VY014741.D
Acq: 21 Jul 2023 12:57

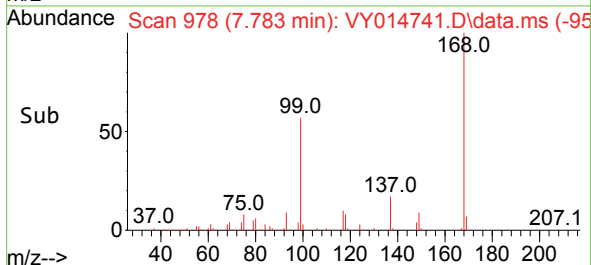
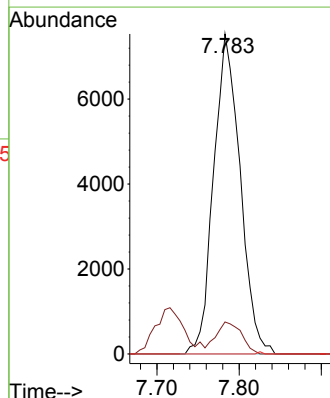
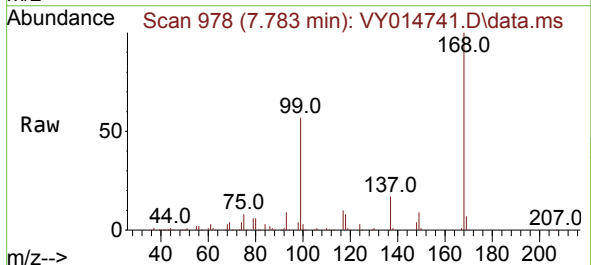
Instrument :
MSVOA_Y
ClientSampleId :
WO-7

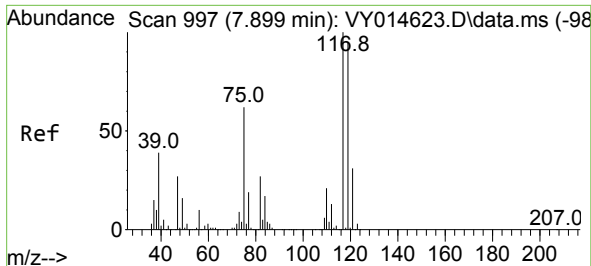
Tgt Ion:113 Resp: 123360
Ion Ratio Lower Upper
113 100
111 102.1 81.3 121.9
192 19.5 16.9 25.3



#36
1,1-Dichloropropene
Concen: 4.595 ug/l
RT: 7.783 min Scan# 978
Delta R.T. -0.128 min
Lab File: VY014741.D
Acq: 21 Jul 2023 12:57

Tgt Ion: 75 Resp: 16855
Ion Ratio Lower Upper
75 100
110 9.6 17.8 53.5#
77 0.0 24.4 36.6#

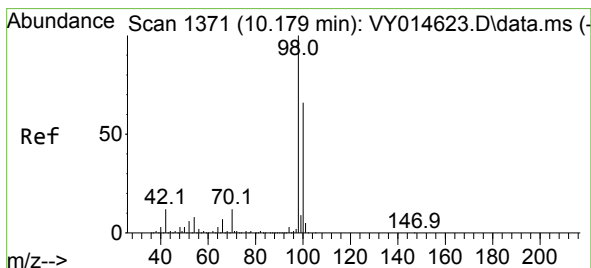
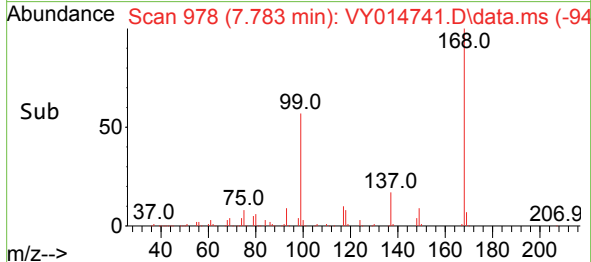
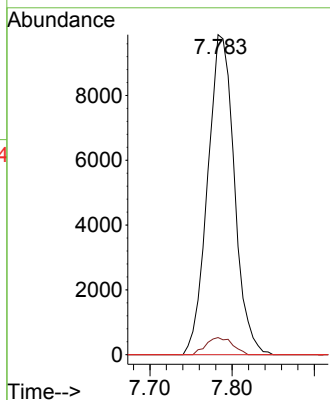
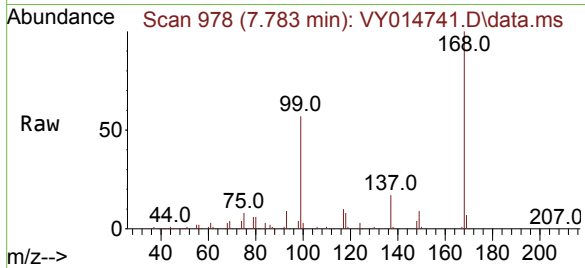




#38
Carbon Tetrachloride
Concen: 5.748 ug/l
RT: 7.783 min Scan# 91
Delta R.T. -0.116 min
Lab File: VY014741.D
Acq: 21 Jul 2023 12:57

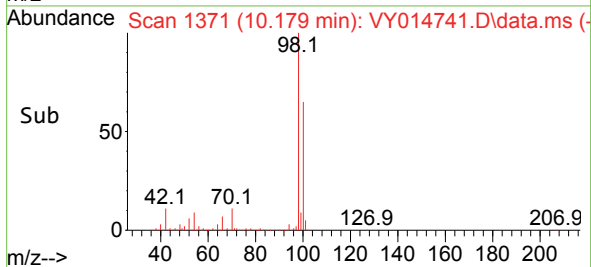
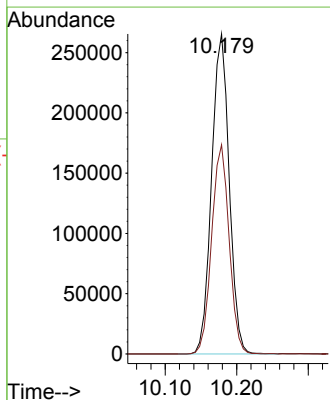
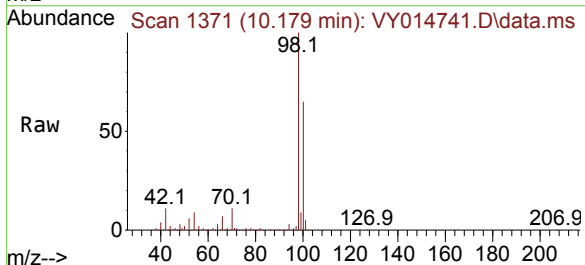
Instrument :
MSVOA_Y
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WO-7

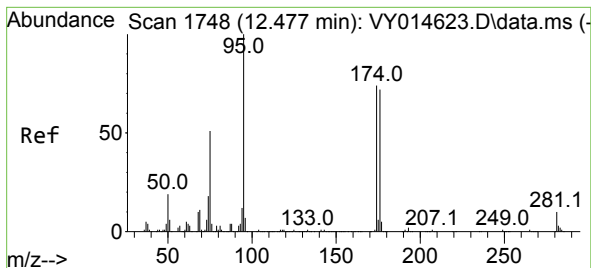
Tgt Ion:117 Resp: 22290
Ion Ratio Lower Upper
117 100
119 5.4 76.4 114.6#
121 0.0 25.8 38.6#



#50
Toluene-d8
Concen: 50.086 ug/l
RT: 10.179 min Scan# 1371
Delta R.T. -0.000 min
Lab File: VY014741.D
Acq: 21 Jul 2023 12:57

Tgt Ion: 98 Resp: 452968
Ion Ratio Lower Upper
98 100
100 65.1 50.1 75.1

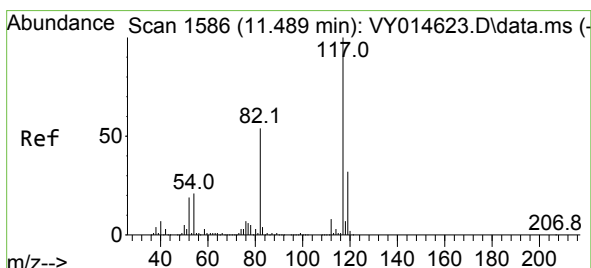
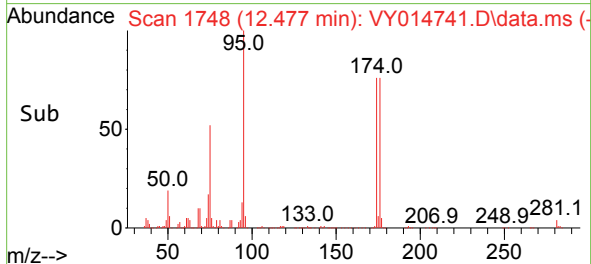
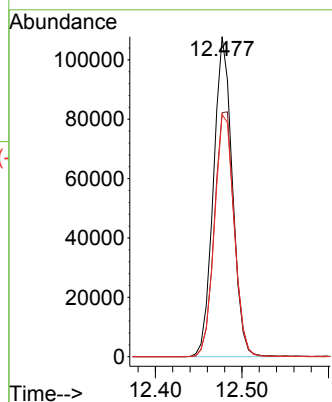
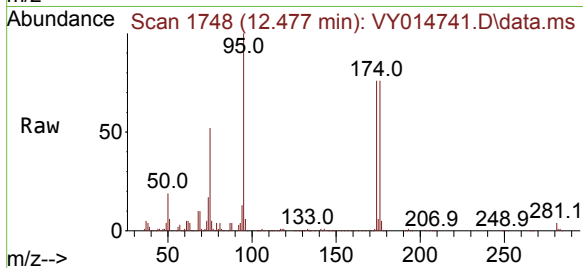




#62
4-Bromofluorobenzene
Concen: 47.110 ug/l
RT: 12.477 min Scan# 11
Delta R.T. 0.000 min
Lab File: VY014741.D
Acq: 21 Jul 2023 12:57

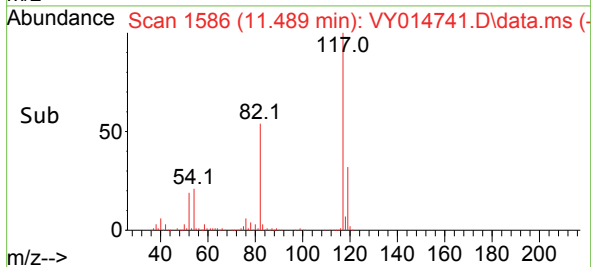
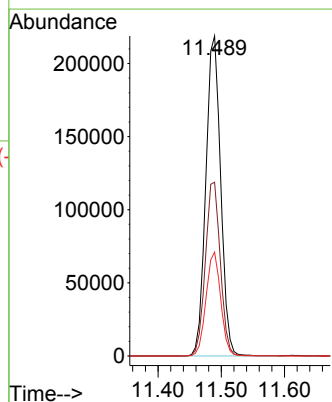
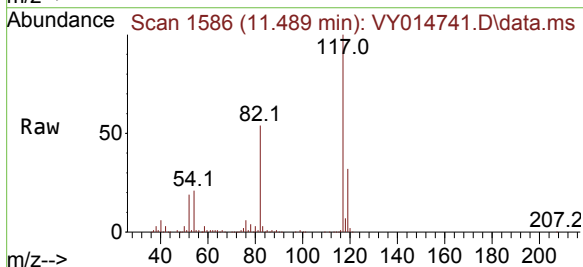
Instrument :
MSVOA_Y
ClientSampleId :
WO-7

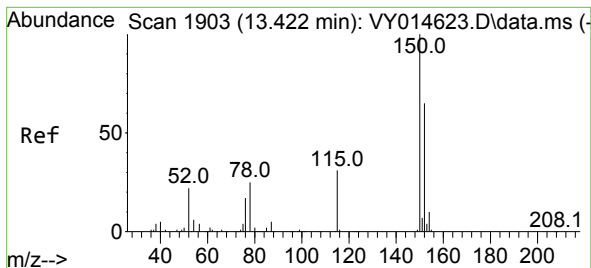
Tgt Ion: 95 Resp: 163366
Ion Ratio Lower Upper
95 100
174 80.1 0.0 178.2
176 78.8 0.0 173.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.489 min Scan# 1586
Delta R.T. 0.000 min
Lab File: VY014741.D
Acq: 21 Jul 2023 12:57

Tgt Ion: 117 Resp: 357319
Ion Ratio Lower Upper
117 100
82 54.3 43.4 65.0
119 32.5 26.3 39.5





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.422 min Scan# 1903

Delta R.T. 0.000 min

Lab File: VY014741.D

Acq: 21 Jul 2023 12:57

Instrument :

MSVOA_Y

ClientSampleId :

WO-7

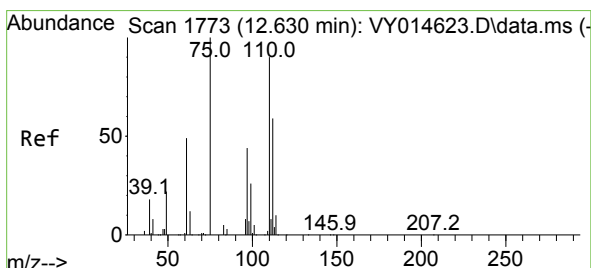
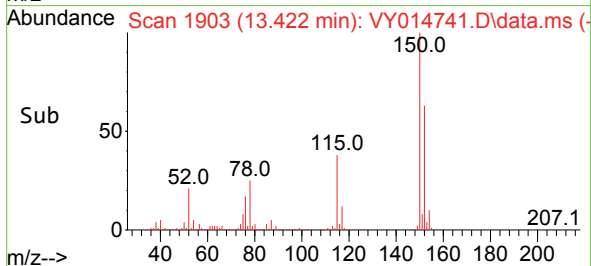
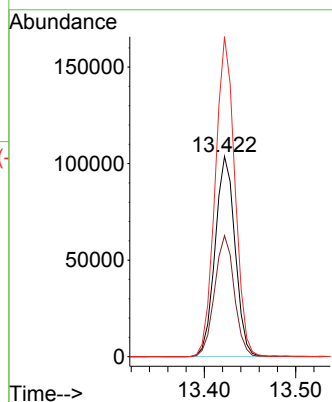
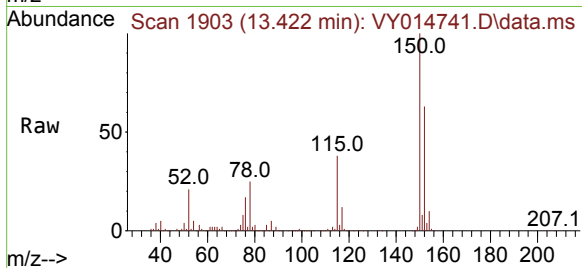
Tgt Ion:152 Resp: 157641

Ion Ratio Lower Upper

152 100

115 59.6 28.8 86.5

150 157.2 0.0 348.8



#76

1,2,3-Trichloropropane

Concen: 43.177 ug/l

RT: 12.477 min Scan# 1748

Delta R.T. -0.153 min

Lab File: VY014741.D

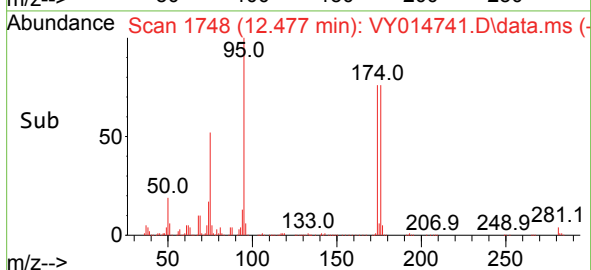
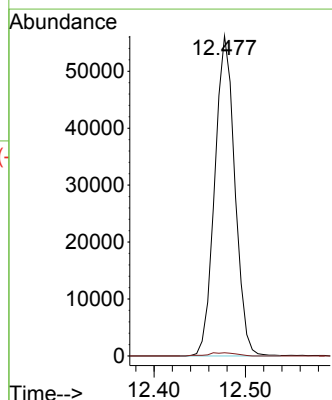
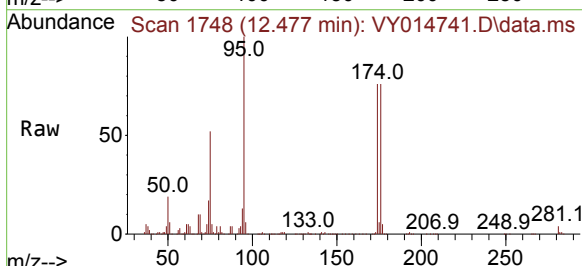
Acq: 21 Jul 2023 12:57

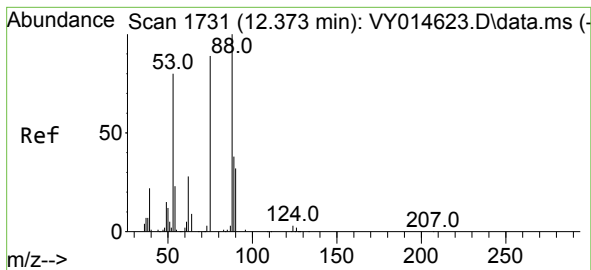
Tgt Ion: 75 Resp: 85964

Ion Ratio Lower Upper

75 100

77 1.4 0.0 0.0#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 83.599 ug/l
 RT: 12.477 min Scan# 11
 Delta R.T. 0.104 min
 Lab File: VY014741.D
 Acq: 21 Jul 2023 12:57

Instrument :
 MSVOA_Y
 ClientSampleId :
 WO-7

Tgt Ion: 75 Resp: 85964
 Ion Ratio Lower Upper
 75 100
 53 0.0 77.8 116.8#
 89 0.1 37.4 56.0#

