

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX042224\
 Data File : VX041191.D
 Acq On : 22 Apr 2024 15:45
 Operator : JC/MD
 Sample : VX0422MBL01
 Misc : 5.0g/10mL/100uL/5.00mL/MSVOA_X/MEOH
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0422MBL01

Quant Time: Apr 23 05:35:52 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X042224W.M
 Quant Title : SW846 8260
 QLast Update : Tue Apr 23 05:30:28 2024
 Response via : Initial Calibration

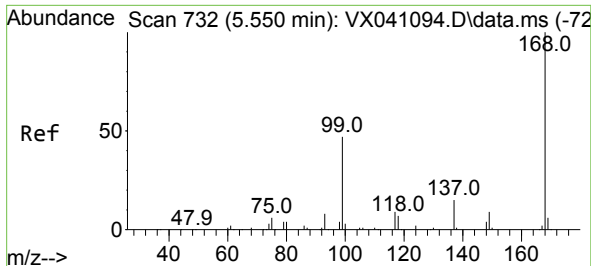
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) Pentafluorobenzene	5.544	168	211482	50.000	ug/l	# 0.00
34) 1,4-Difluorobenzene	6.757	114	305985	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	284965	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	125569	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.952	65	104461	51.889	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery = 103.780%			
35) Dibromofluoromethane	5.385	113	92741	49.827	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 99.660%			
50) Toluene-d8	8.647	98	349756	55.696	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery = 111.400%			
62) 4-Bromofluorobenzene	11.079	95	125595	54.186	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery = 108.380%			
Target Compounds					Qvalue	
3) Chloromethane	1.295	50	396	0.219	ug/l	# 43
5) Bromomethane	1.599	94	547	0.536	ug/l	92
6) Chloroethane	1.636	64	167	0.243	ug/l	# 49
10) Methyl Iodide	2.447	142	740	0.372	ug/l	# 69
11) Tert butyl alcohol	3.032	59	137	0.380	ug/l	# 78
13) Acrolein	2.239	56	322	0.796	ug/l	92
15) Acrylonitrile	3.081	53	661	0.717	ug/l	# 89
16) Acetone	2.392	43	853	1.164	ug/l	# 76
17) Carbon Disulfide	2.502	76	1558	0.484	ug/l	# 95
18) Methyl Acetate	2.715	43	632	0.292	ug/l	# 73
25) 2-Butanone	4.629	43	693	0.554	ug/l	# 51
29) Tetrahydrofuran	5.044	42	642	0.753	ug/l	# 54
31) Cyclohexane	5.544	56	3157	1.165	ug/l	# 1
36) 1,1-Dichloropropene	5.544	75	11957	5.021	ug/l	# 51
38) Carbon Tetrachloride	5.544	117	17589	6.612	ug/l	# 15
51) 4-Methyl-2-Pentanone	8.586	43	527	0.200	ug/l	92
76) 1,2,3-Trichloropropane	11.079	75	60616	29.961	ug/l	# 38
81) trans-1,4-Dichloro-2-b...	11.079	75	60616	84.530	ug/l	# 5
93) 1,2,4-Trichlorobenzene	13.591	180	1008	0.355	ug/l	83
95) Naphthalene	13.780	128	4862	0.597	ug/l	98
96) 1,2,3-Trichlorobenzene	13.969	180	1349	0.452	ug/l	92

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

Quant Time: Apr 23 05:35:52 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X042224W.M
Quant Title : SW846 8260
QLast Update : Tue Apr 23 05:30:28 2024
Response via : Initial Calibration

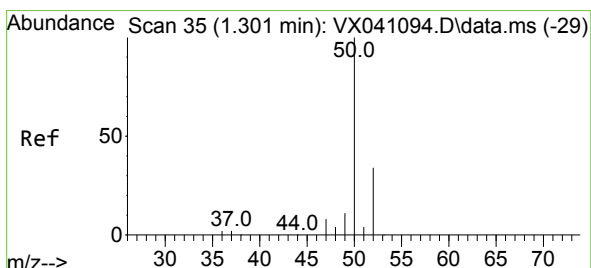
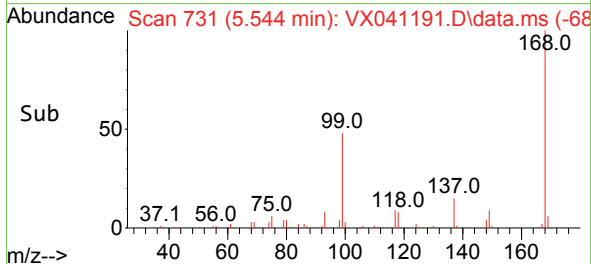
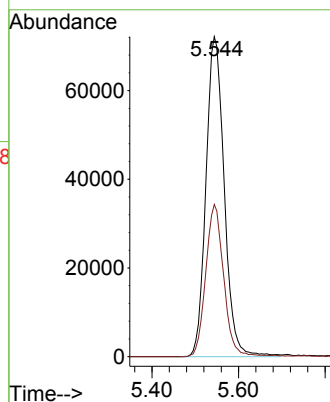
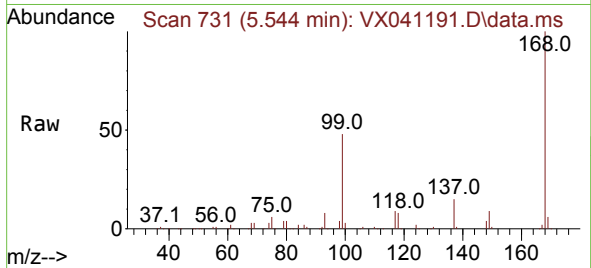




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.544 min Scan# 71
Delta R.T. -0.006 min
Lab File: VX041191.D
Acq: 22 Apr 2024 15:45

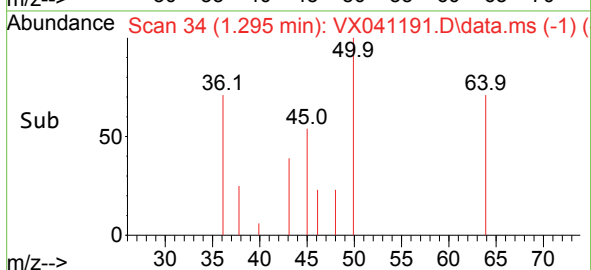
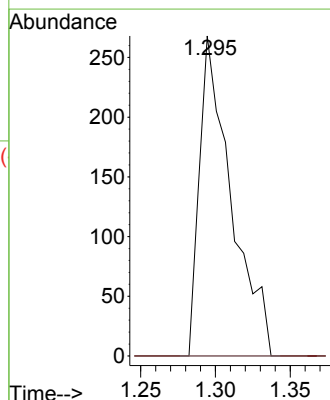
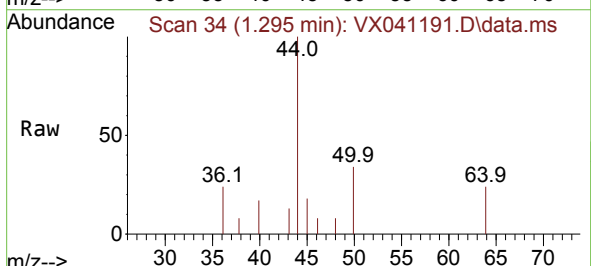
Instrument :
MSVOA_X
ClientSampleId :
VX0422MBL01

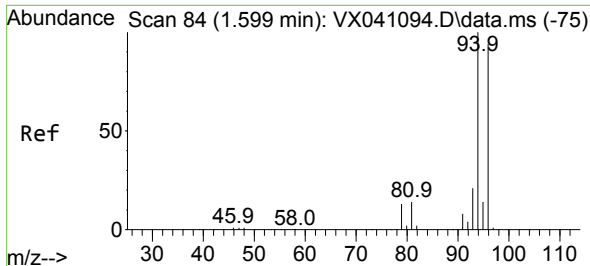
Tgt Ion:168 Resp: 211482
Ion Ratio Lower Upper
168 100
99 47.6 56.6 85.0#



#3
Chloromethane
Concen: 0.219 ug/l
RT: 1.295 min Scan# 34
Delta R.T. -0.006 min
Lab File: VX041191.D
Acq: 22 Apr 2024 15:45

Tgt Ion: 50 Resp: 396
Ion Ratio Lower Upper
50 100
52 0.0 25.5 38.3#

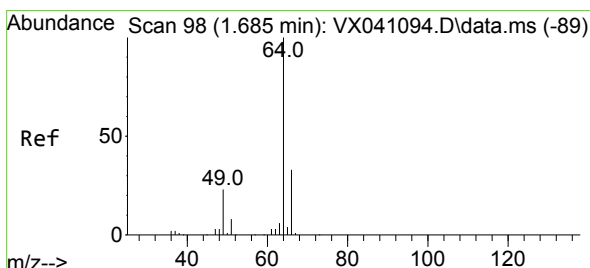
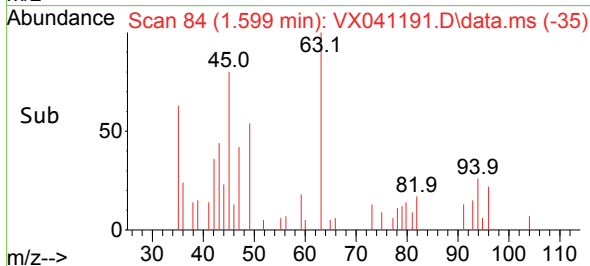
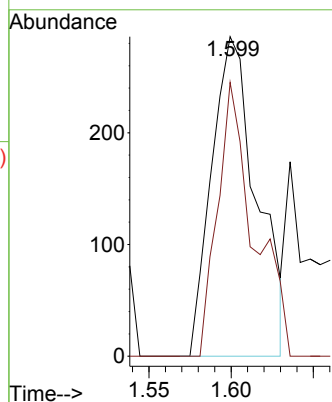
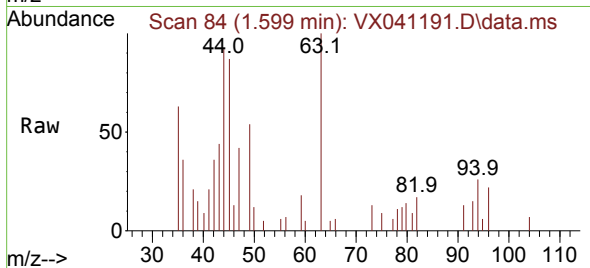




#5
Bromomethane
Concen: 0.536 ug/l
RT: 1.599 min Scan# 84
Delta R.T. -0.000 min
Lab File: VX041191.D
Acq: 22 Apr 2024 15:45

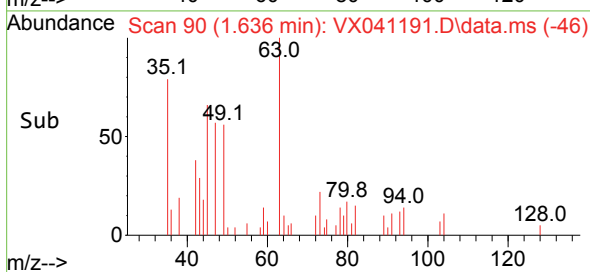
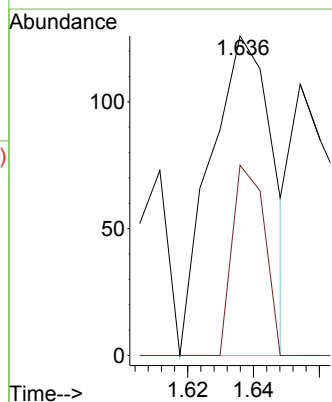
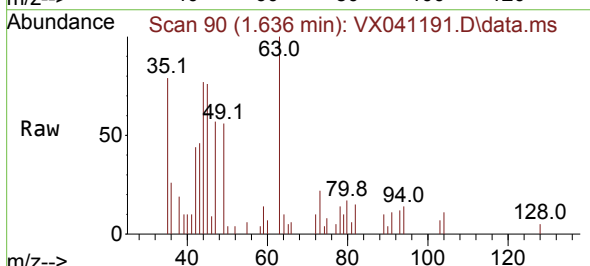
Instrument :
MSVOA_X
ClientSampleId :
VX0422MBL01

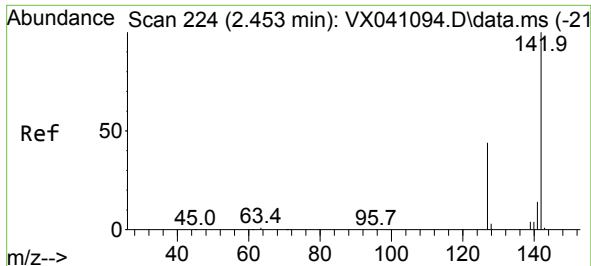
Tgt Ion: 94 Resp: 547
Ion Ratio Lower Upper
94 100
96 85.7 74.6 111.8



#6
Chloroethane
Concen: 0.243 ug/l
RT: 1.636 min Scan# 90
Delta R.T. -0.030 min
Lab File: VX041191.D
Acq: 22 Apr 2024 15:45

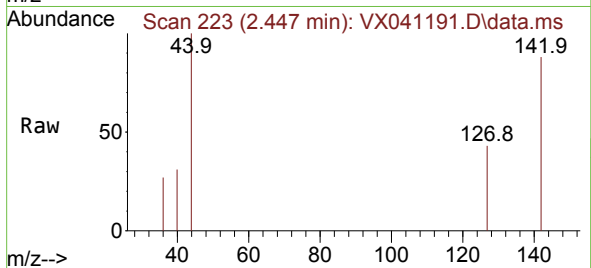
Tgt Ion: 64 Resp: 167
Ion Ratio Lower Upper
64 100
66 59.5 25.1 37.7#



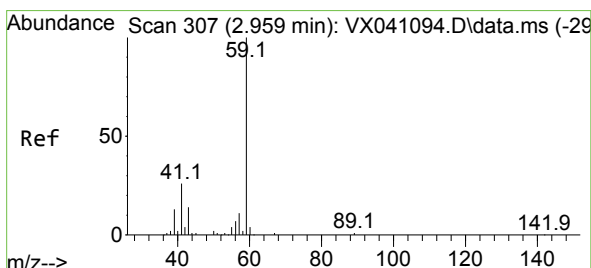
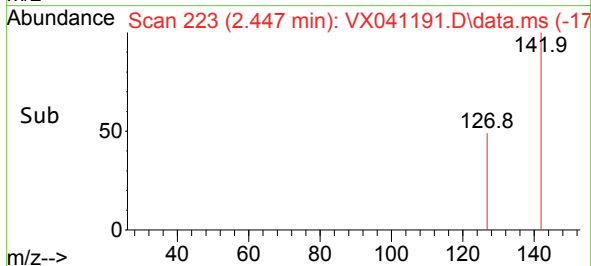
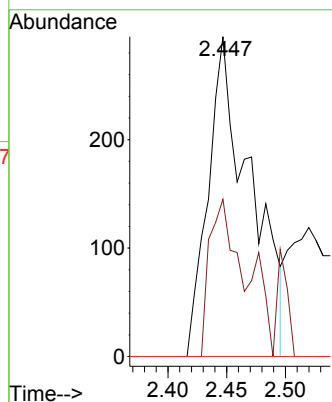


#10
Methyl Iodide
Concen: 0.372 ug/l
RT: 2.447 min Scan# 21
Delta R.T. 0.006 min
Lab File: VX041191.D
Acq: 22 Apr 2024 15:45

Instrument :
MSVOA_X
ClientSampleId :
VX0422MBL01

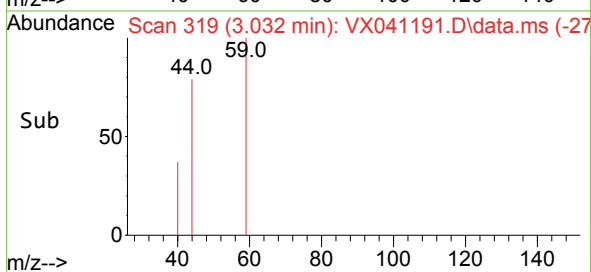
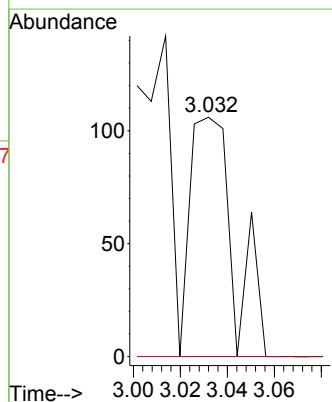
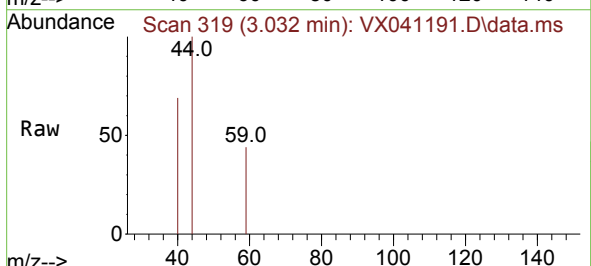


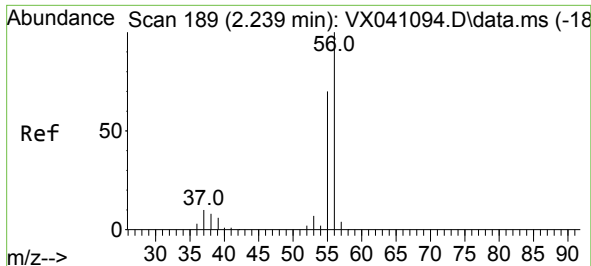
Tgt Ion:142 Resp: 740
Ion Ratio Lower Upper
142 100
127 31.2 41.6 62.4#
141 0.0 11.6 17.4#



#11
Tert butyl alcohol
Concen: 0.380 ug/l
RT: 3.032 min Scan# 319
Delta R.T. -0.030 min
Lab File: VX041191.D
Acq: 22 Apr 2024 15:45

Tgt Ion: 59 Resp: 137
Ion Ratio Lower Upper
59 100
57 0.0 6.0 9.0#

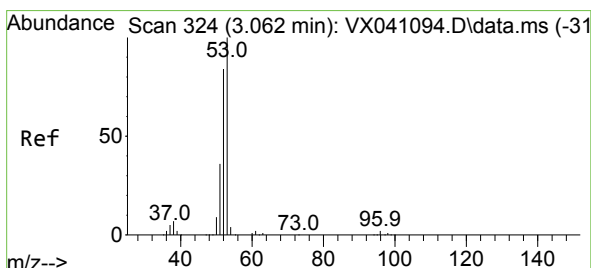
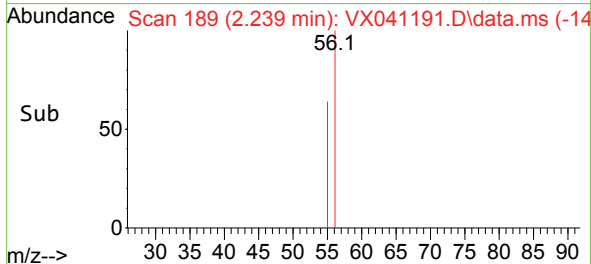
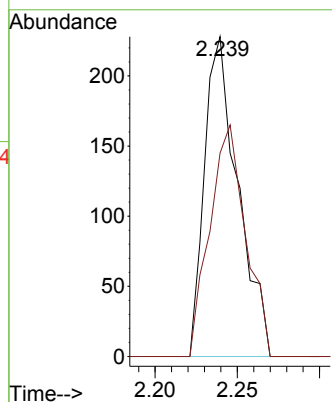
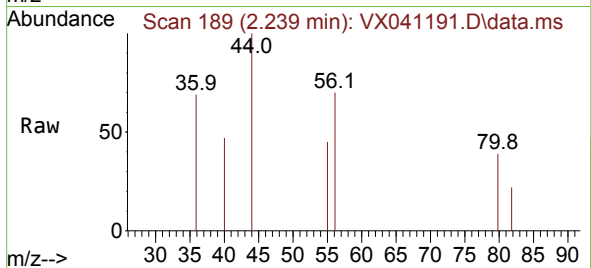




#13
Acrolein
Concen: 0.796 ug/l
RT: 2.239 min Scan# 11
Delta R.T. 0.000 min
Lab File: VX041191.D
Acq: 22 Apr 2024 15:45

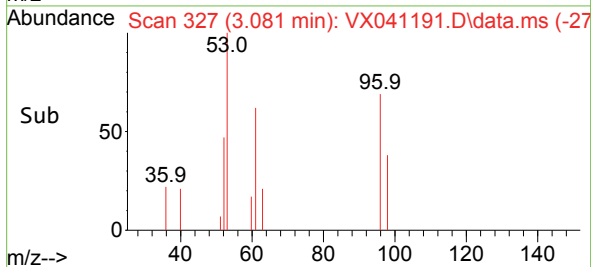
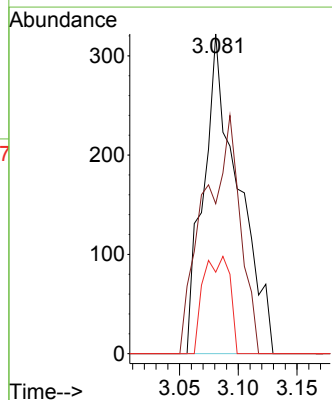
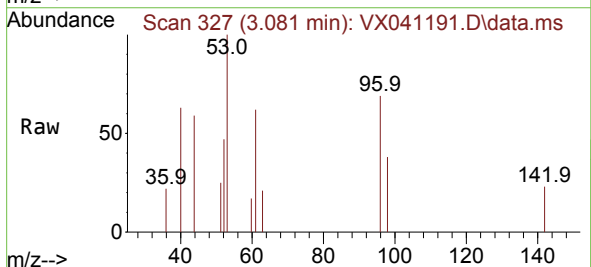
Instrument :
MSVOA_X
ClientSampleId :
VX0422MBL01

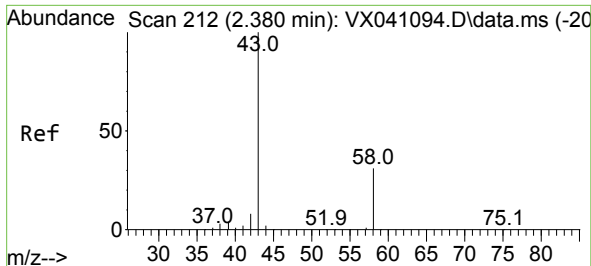
Tgt Ion: 56 Resp: 322
Ion Ratio Lower Upper
56 100
55 78.0 57.1 85.7



#15
Acrylonitrile
Concen: 0.717 ug/l
RT: 3.081 min Scan# 327
Delta R.T. 0.006 min
Lab File: VX041191.D
Acq: 22 Apr 2024 15:45

Tgt Ion: 53 Resp: 661
Ion Ratio Lower Upper
53 100
52 77.0 66.0 99.0
51 23.4 29.8 44.6#

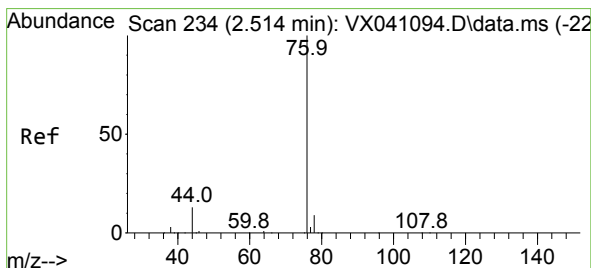
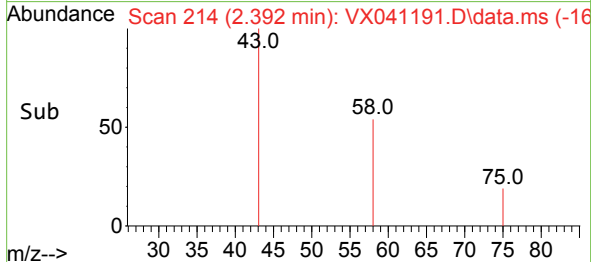
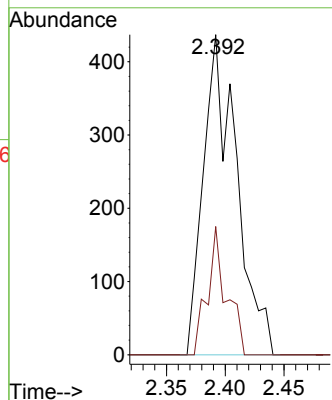
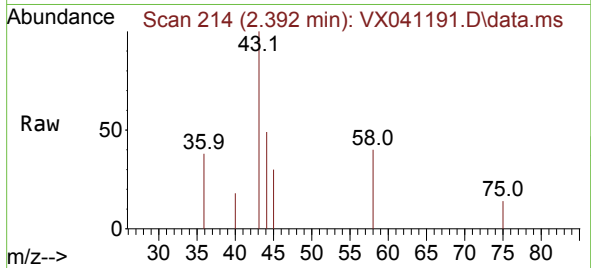




#16
Acetone
Concen: 1.164 ug/l
RT: 2.392 min Scan# 212
Delta R.T. -0.006 min
Lab File: VX041191.D
Acq: 22 Apr 2024 15:45

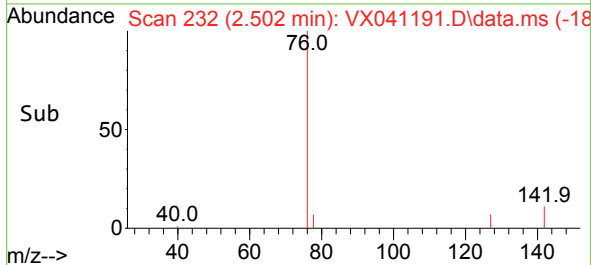
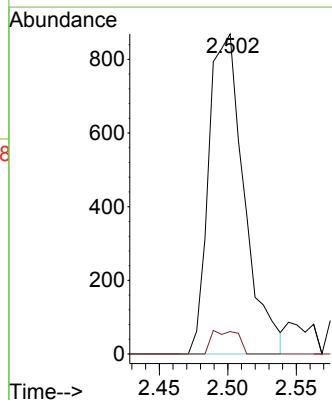
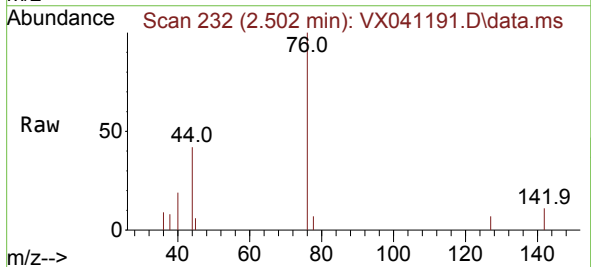
Instrument :
MSVOA_X
ClientSampleId :
VX0422MBL01

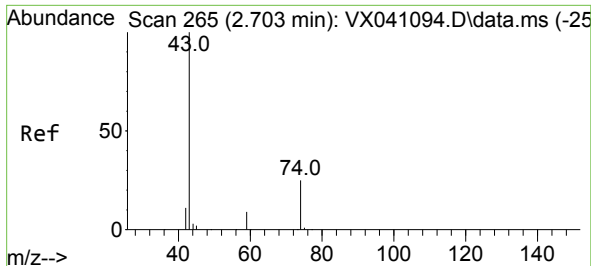
Tgt Ion: 43 Resp: 853
Ion Ratio Lower Upper
43 100
58 40.0 21.9 32.9#



#17
Carbon Disulfide
Concen: 0.484 ug/l
RT: 2.502 min Scan# 232
Delta R.T. 0.000 min
Lab File: VX041191.D
Acq: 22 Apr 2024 15:45

Tgt Ion: 76 Resp: 1558
Ion Ratio Lower Upper
76 100
78 7.0 7.0 10.6#

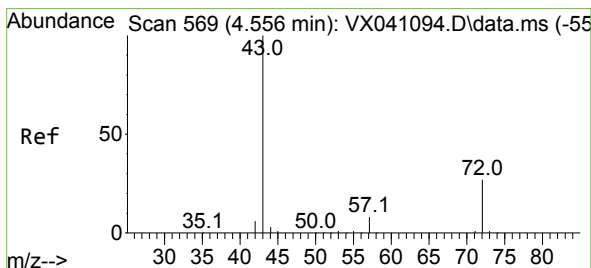
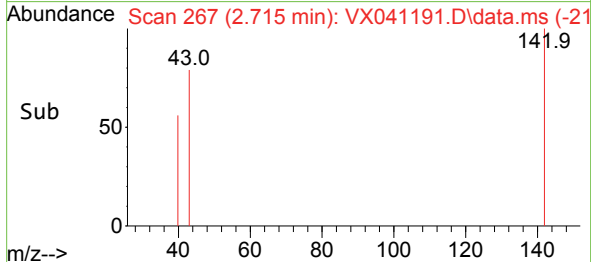
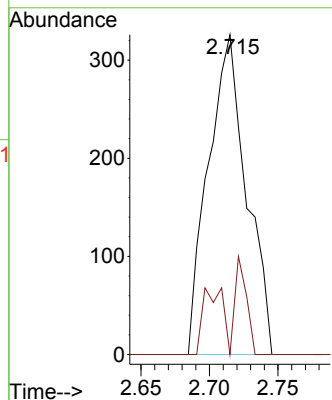
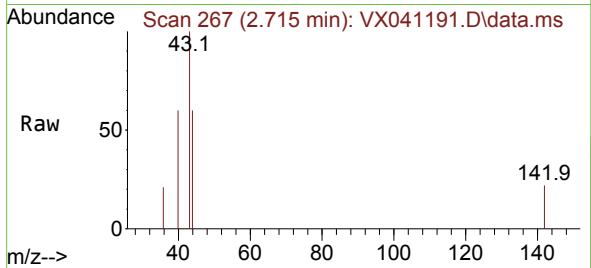




#18
Methyl Acetate
Concen: 0.292 ug/l
RT: 2.715 min Scan# 20
Delta R.T. 0.006 min
Lab File: VX041191.D
Acq: 22 Apr 2024 15:45

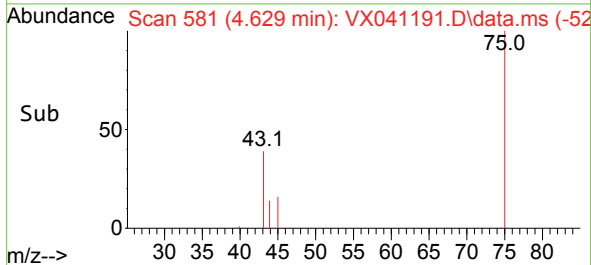
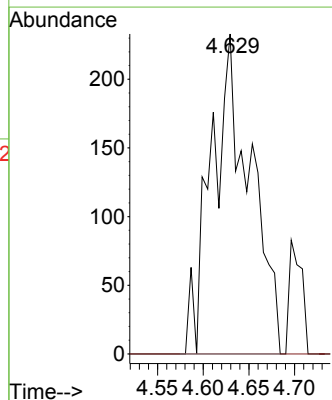
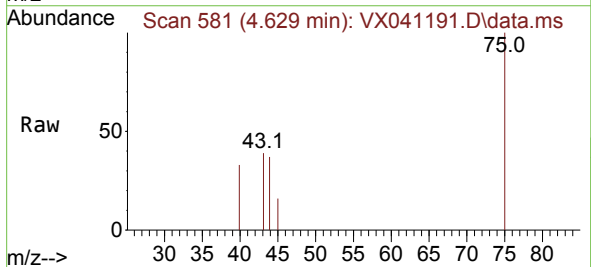
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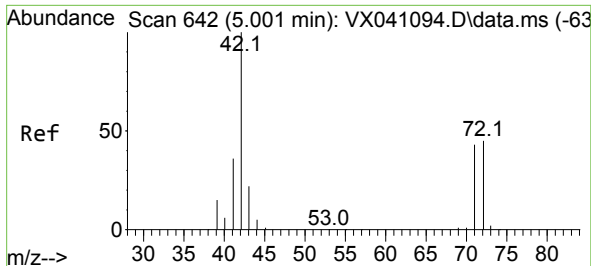
Tgt Ion: 43 Resp: 632
Ion Ratio Lower Upper
43 100
74 9.2 17.8 26.8#



#25
2-Butanone
Concen: 0.554 ug/l
RT: 4.629 min Scan# 581
Delta R.T. 0.061 min
Lab File: VX041191.D
Acq: 22 Apr 2024 15:45

Tgt Ion: 43 Resp: 693
Ion Ratio Lower Upper
43 100
72 0.0 19.4 29.2#





#29

Tetrahydrofuran

Concen: 0.753 ug/l

RT: 5.044 min Scan# 642

Delta R.T. 0.030 min

Lab File: VX041191.D

Acq: 22 Apr 2024 15:45

Instrument :

MSVOA_X

ClientSampleId :

VX0422MBL01

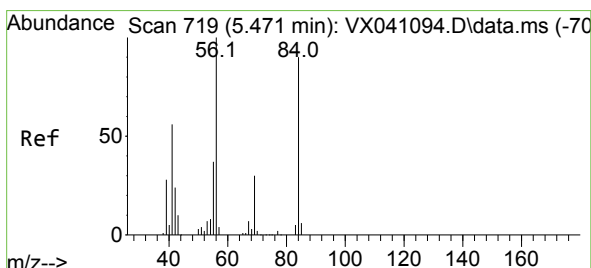
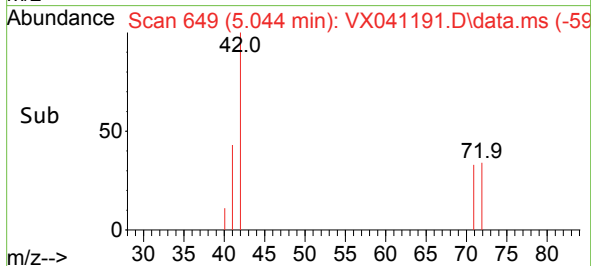
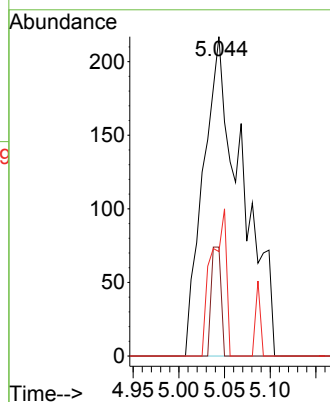
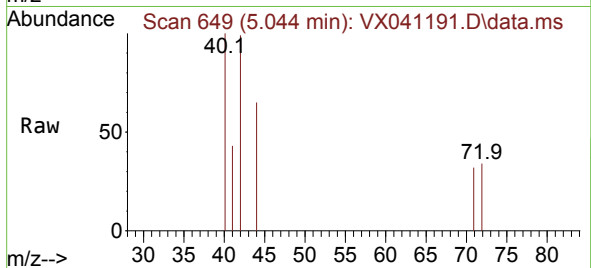
Tgt Ion: 42 Resp: 642

Ion Ratio Lower Upper

42 100

72 8.4 34.2 51.4#

71 17.4 32.2 48.2#



#31

Cyclohexane

Concen: 1.165 ug/l

RT: 5.544 min Scan# 731

Delta R.T. 0.079 min

Lab File: VX041191.D

Acq: 22 Apr 2024 15:45

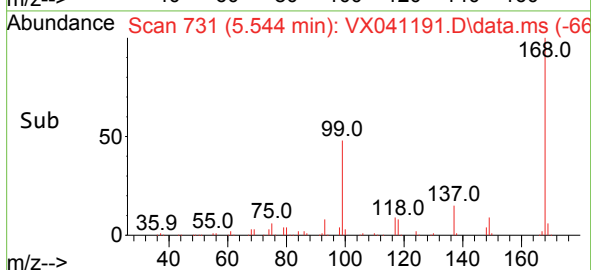
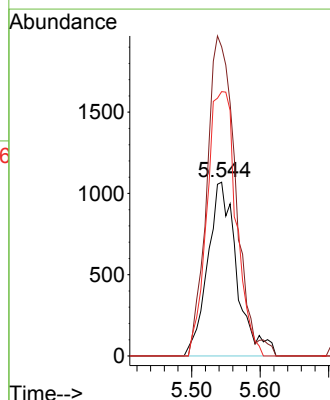
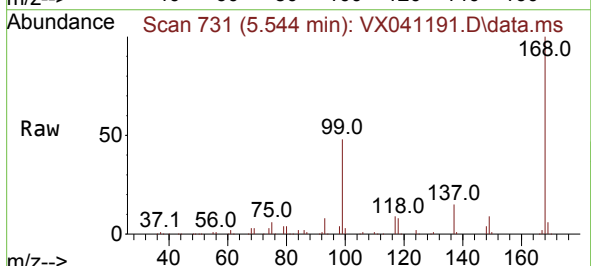
Tgt Ion: 56 Resp: 3157

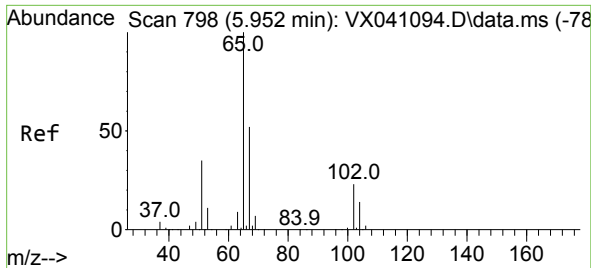
Ion Ratio Lower Upper

56 100

69 177.9 23.4 35.2#

84 152.1 65.9 98.9#

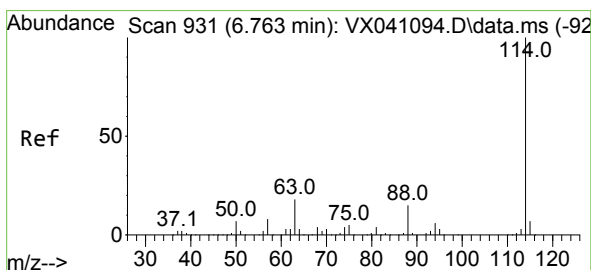
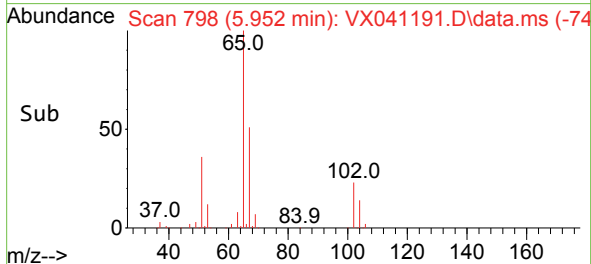
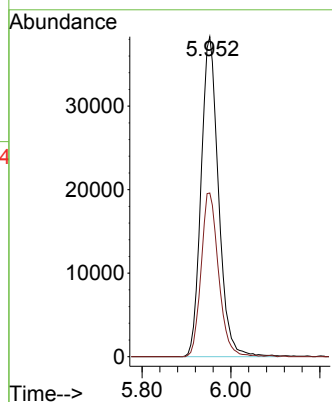
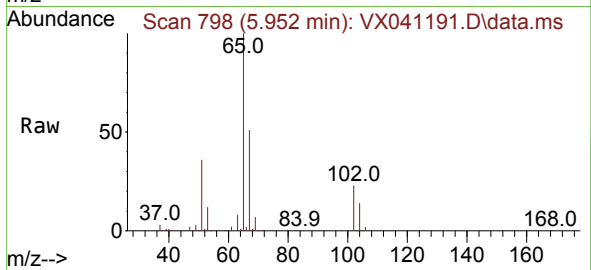




#33
 1,2-Dichloroethane-d4
 Concen: 51.889 ug/l
 RT: 5.952 min Scan# 798
 Delta R.T. 0.000 min
 Lab File: VX041191.D
 Acq: 22 Apr 2024 15:45

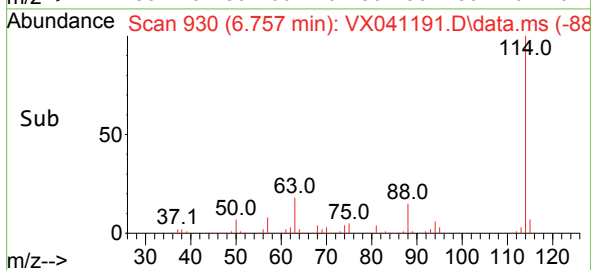
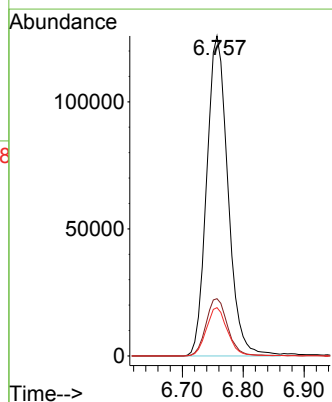
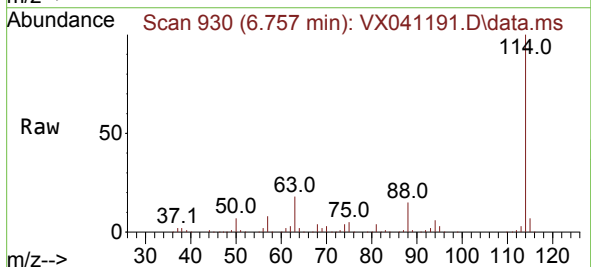
Instrument :
 MSVOA_X
 ClientSampleId :
 VX0422MBL01

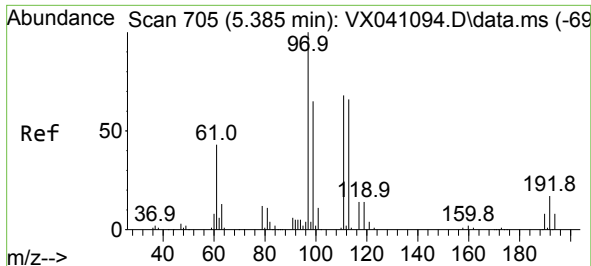
Tgt Ion: 65 Resp: 104461
 Ion Ratio Lower Upper
 65 100
 67 51.3 0.0 100.2



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.757 min Scan# 930
 Delta R.T. 0.000 min
 Lab File: VX041191.D
 Acq: 22 Apr 2024 15:45

Tgt Ion: 114 Resp: 305985
 Ion Ratio Lower Upper
 114 100
 63 17.9 0.0 45.0
 88 15.1 0.0 36.6

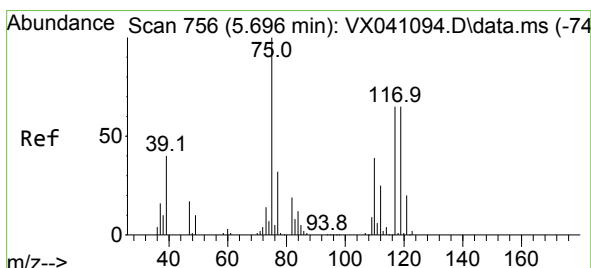
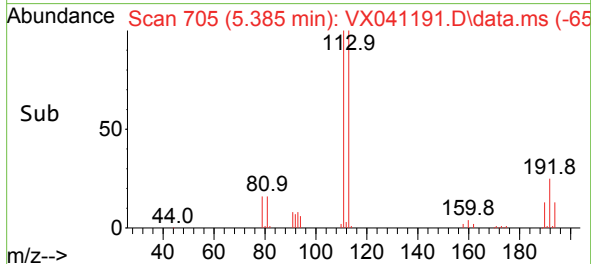
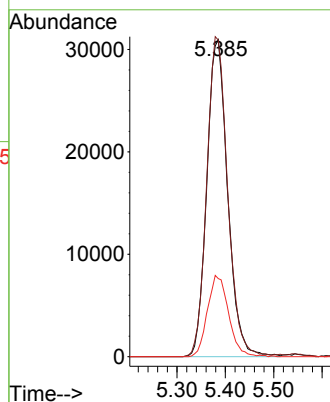
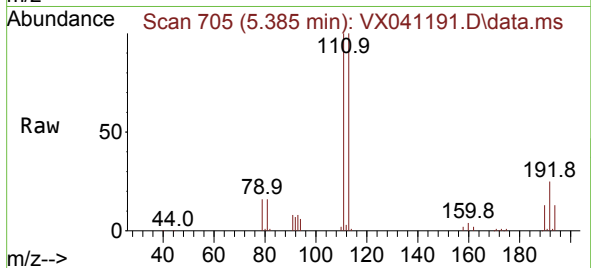




#35
Dibromofluoromethane
Concen: 49.827 ug/l
RT: 5.385 min Scan# 705
Delta R.T. 0.000 min
Lab File: VX041191.D
Acq: 22 Apr 2024 15:45

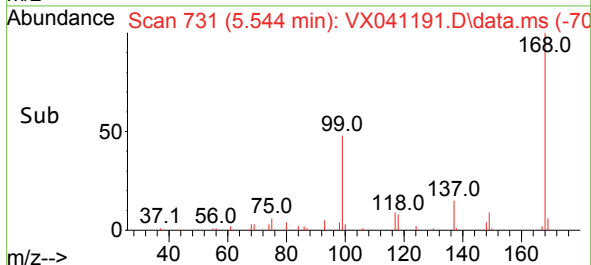
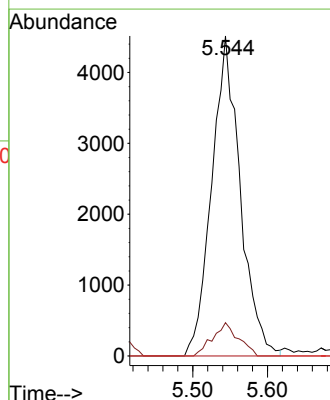
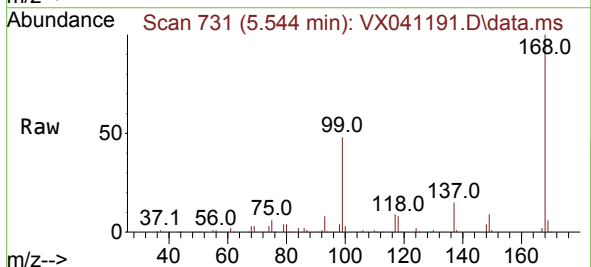
Instrument :
MSVOA_X
ClientSampleId :
VX0422MBL01

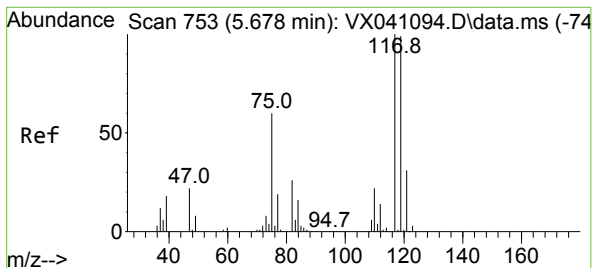
Tgt Ion:113 Resp: 92741
Ion Ratio Lower Upper
113 100
111 101.2 82.9 124.3
192 26.0 13.3 19.9#



#36
1,1-Dichloropropene
Concen: 5.021 ug/l
RT: 5.544 min Scan# 731
Delta R.T. -0.146 min
Lab File: VX041191.D
Acq: 22 Apr 2024 15:45

Tgt Ion: 75 Resp: 11957
Ion Ratio Lower Upper
75 100
110 9.4 17.0 50.9#
77 0.0 24.7 37.1#





#38

Carbon Tetrachloride

Concen: 6.612 ug/l

RT: 5.544 min Scan# 71

Delta R.T. -0.128 min

Lab File: VX041191.D

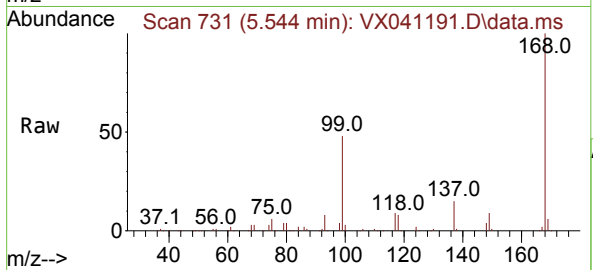
Acq: 22 Apr 2024 15:45

Instrument :

MSVOA_X

ClientSampleId :

VX0422MBL01



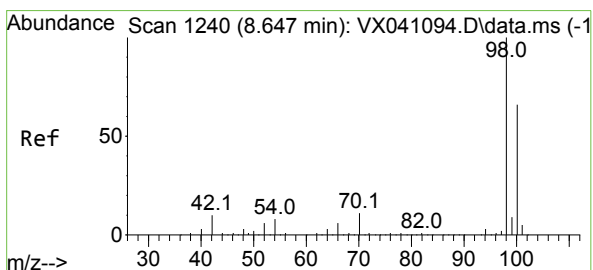
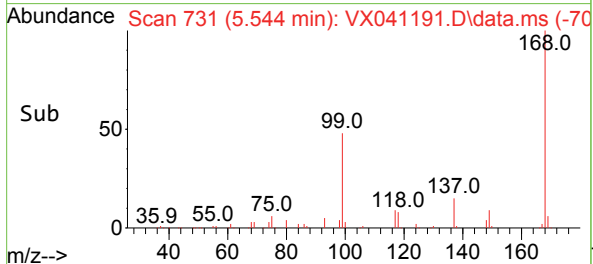
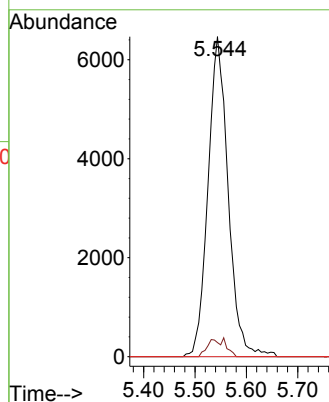
Tgt Ion:117 Resp: 17589

Ion Ratio Lower Upper

117 100

119 4.4 78.2 117.2#

121 0.0 24.4 36.6#



#50

Toluene-d8

Concen: 55.696 ug/l

RT: 8.647 min Scan# 1240

Delta R.T. 0.000 min

Lab File: VX041191.D

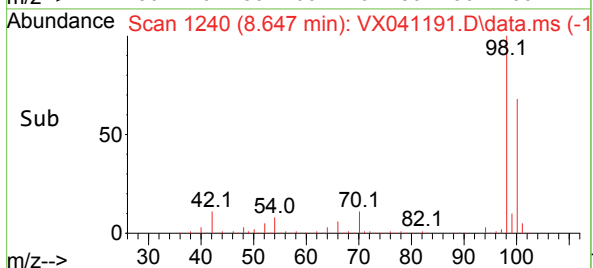
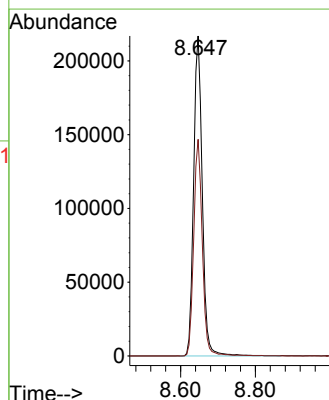
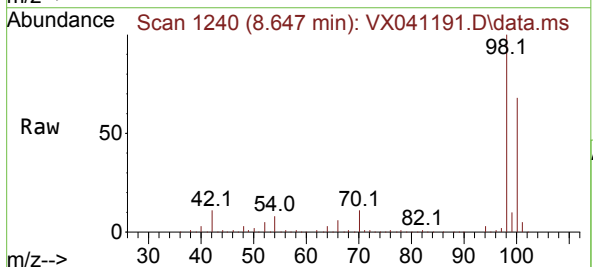
Acq: 22 Apr 2024 15:45

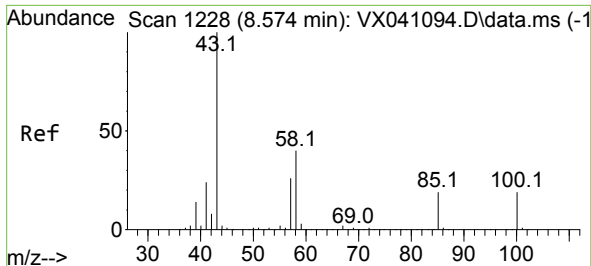
Tgt Ion: 98 Resp: 349756

Ion Ratio Lower Upper

98 100

100 66.8 53.1 79.7

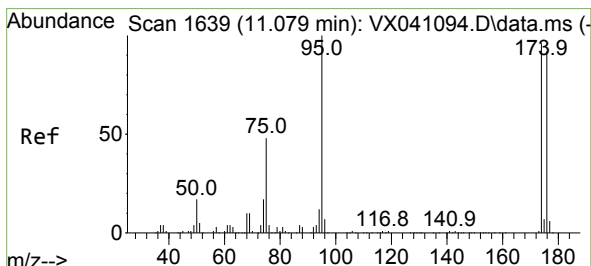
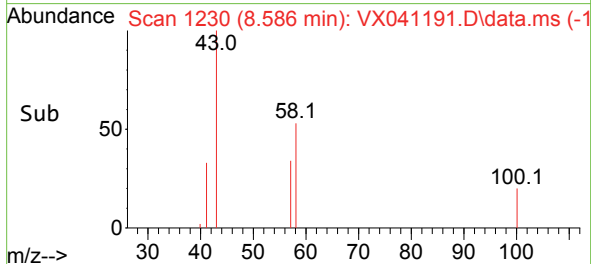
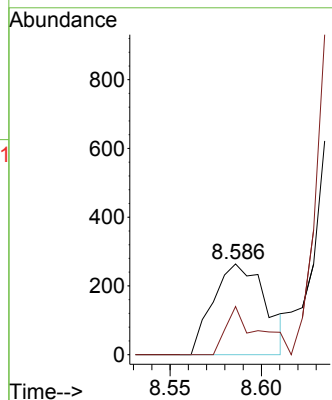
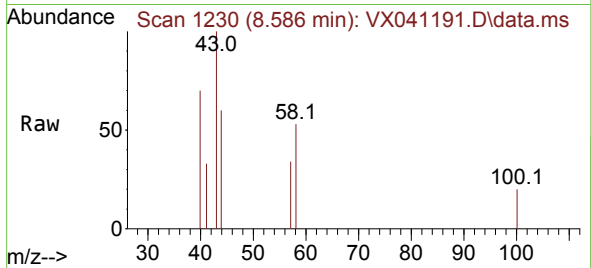




#51
4-Methyl-2-Pentanone
Concen: 0.200 ug/l
RT: 8.586 min Scan# 1230
Delta R.T. 0.006 min
Lab File: VX041191.D
Acq: 22 Apr 2024 15:45

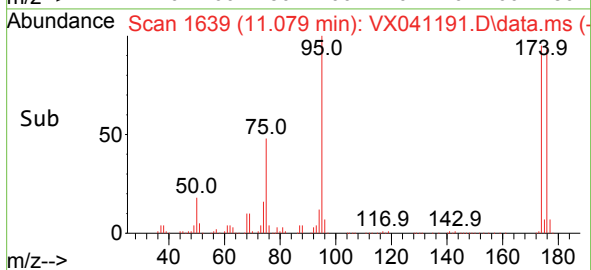
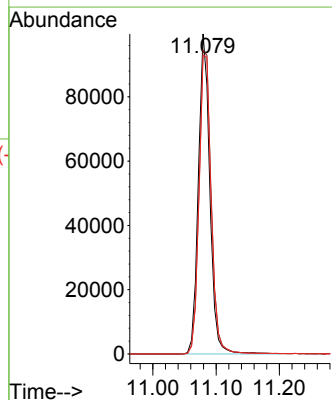
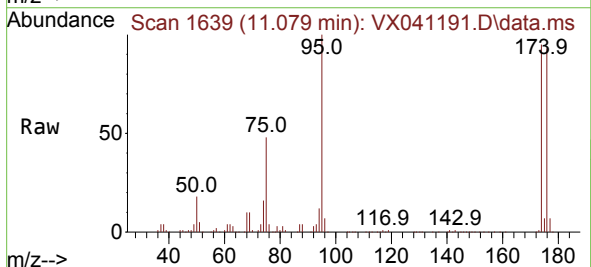
Instrument :
MSVOA_X
ClientSampleId :
VX0422MBL01

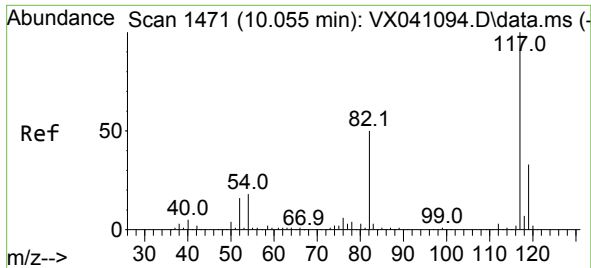
Tgt Ion: 43 Resp: 527
Ion Ratio Lower Upper
43 100
58 33.0 30.4 45.6



#62
4-Bromofluorobenzene
Concen: 54.186 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.000 min
Lab File: VX041191.D
Acq: 22 Apr 2024 15:45

Tgt Ion: 95 Resp: 125595
Ion Ratio Lower Upper
95 100
174 101.6 0.0 135.6
176 99.0 0.0 131.0

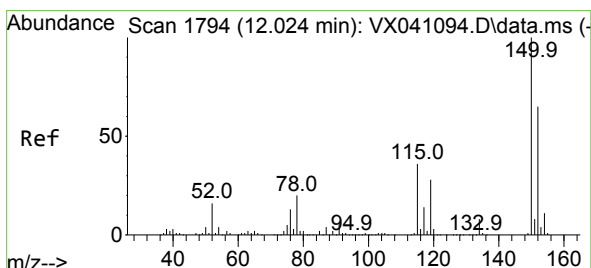
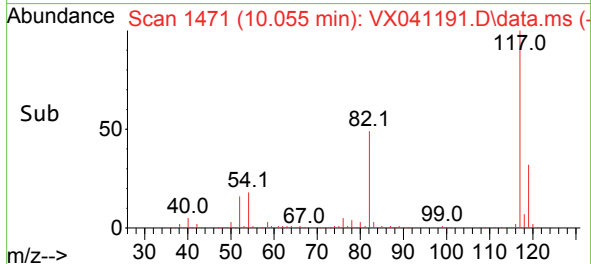
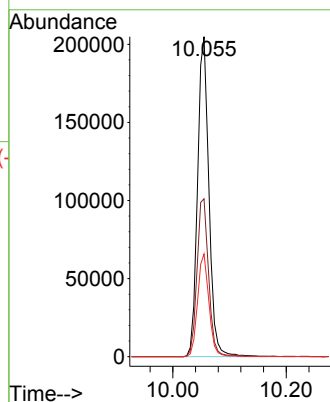
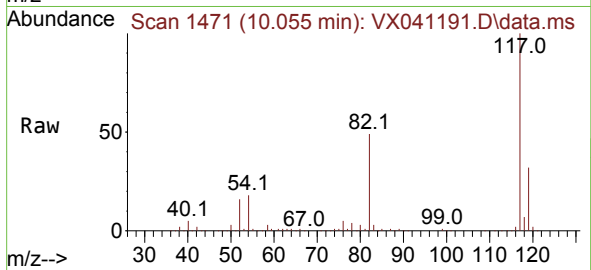




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. 0.000 min
Lab File: VX041191.D
Acq: 22 Apr 2024 15:45

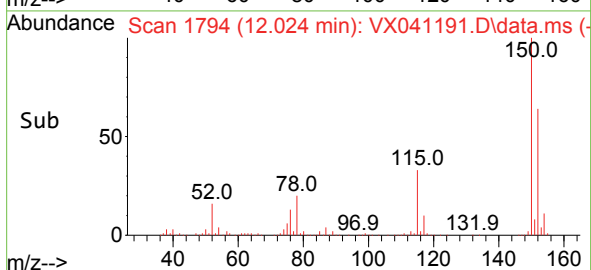
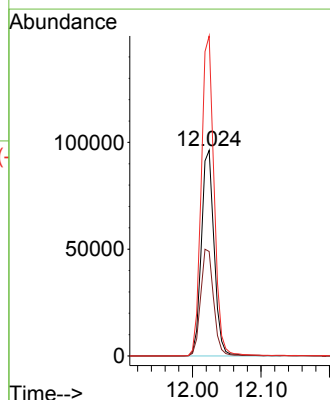
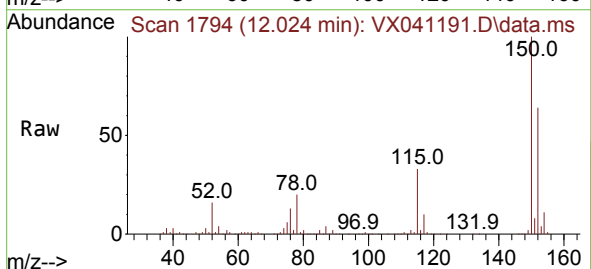
Instrument :
MSVOA_X
ClientSampleId :
VX0422MBL01

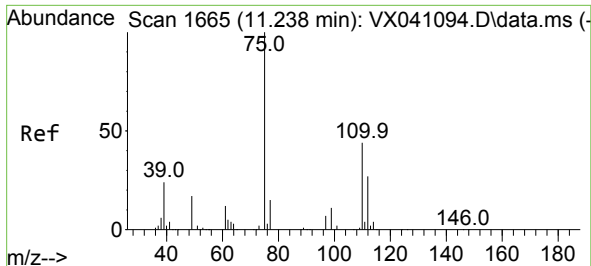
Tgt Ion:117 Resp: 284965
Ion Ratio Lower Upper
117 100
82 49.4 46.2 69.4
119 32.1 25.5 38.3



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.024 min Scan# 1794
Delta R.T. 0.000 min
Lab File: VX041191.D
Acq: 22 Apr 2024 15:45

Tgt Ion:152 Resp: 125569
Ion Ratio Lower Upper
152 100
115 52.7 43.3 129.9
150 156.0 0.0 345.0

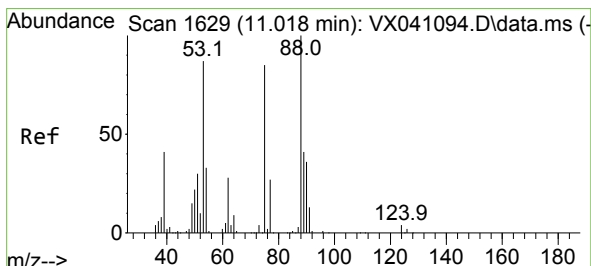
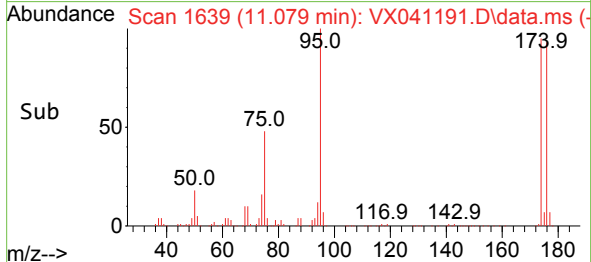
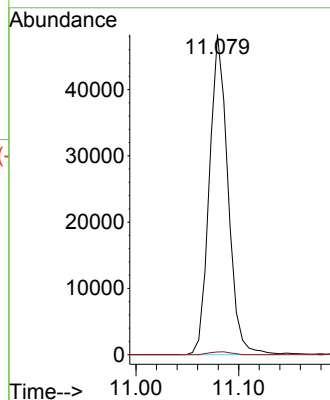
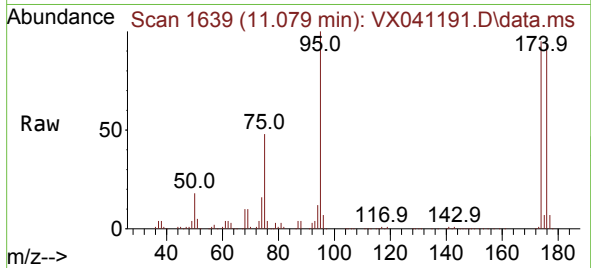




#76
1,2,3-Trichloropropane
Concen: 29.961 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.159 min
Lab File: VX041191.D
Acq: 22 Apr 2024 15:45

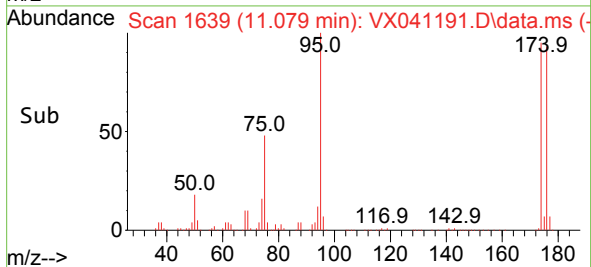
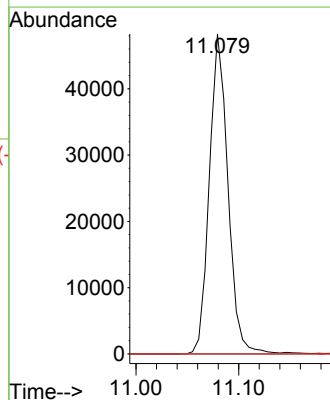
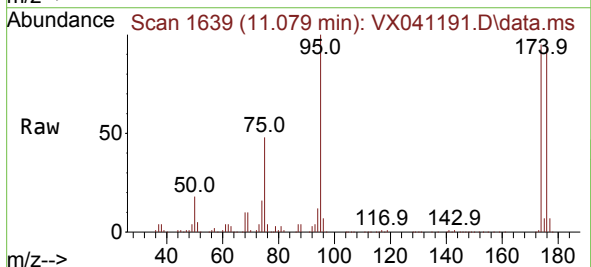
Instrument :
MSVOA_X
ClientSampleId :
VX0422MBL01

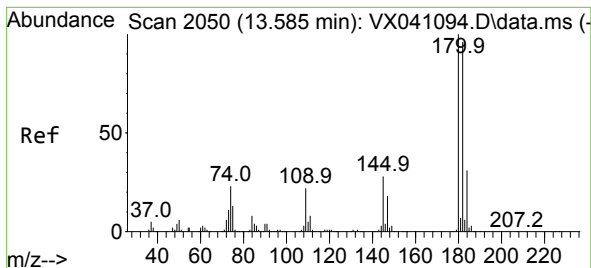
Tgt Ion: 75 Resp: 60616
Ion Ratio Lower Upper
75 100
77 1.1 19.1 57.5#



#81
trans-1,4-Dichloro-2-butene
Concen: 84.530 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.061 min
Lab File: VX041191.D
Acq: 22 Apr 2024 15:45

Tgt Ion: 75 Resp: 60616
Ion Ratio Lower Upper
75 100
53 0.0 90.5 135.7#
89 0.0 36.9 55.3#





#93

1,2,4-Trichlorobenzene

Concen: 0.355 ug/l

RT: 13.591 min Scan# 2051

Delta R.T. 0.006 min

Lab File: VX041191.D

Acq: 22 Apr 2024 15:45

Instrument :

MSVOA_X

ClientSampleId :

VX0422MBL01

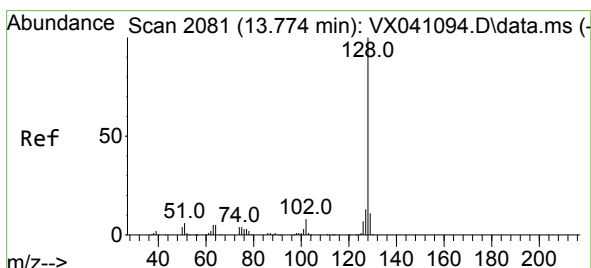
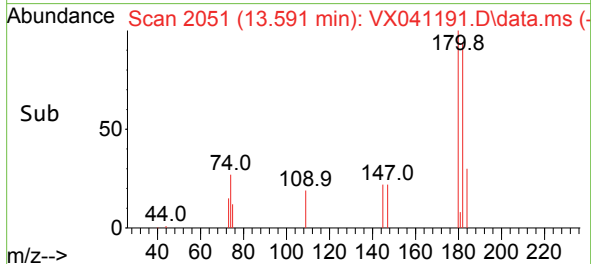
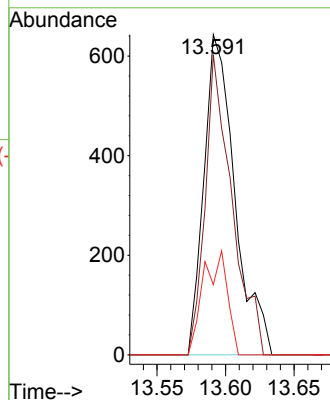
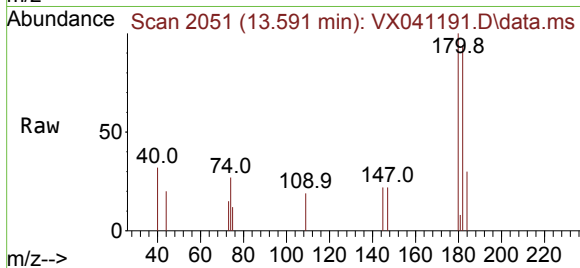
Tgt Ion:180 Resp: 1008

Ion Ratio Lower Upper

180 100

182 80.9 48.3 144.8

145 25.2 18.0 54.0



#95

Naphthalene

Concen: 0.597 ug/l

RT: 13.780 min Scan# 2082

Delta R.T. 0.006 min

Lab File: VX041191.D

Acq: 22 Apr 2024 15:45

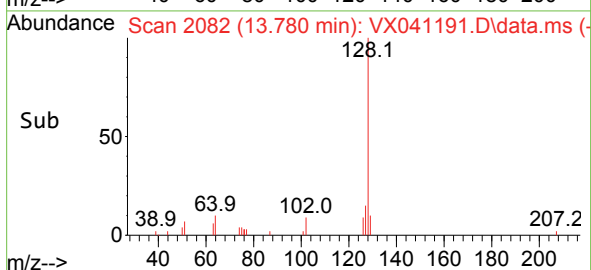
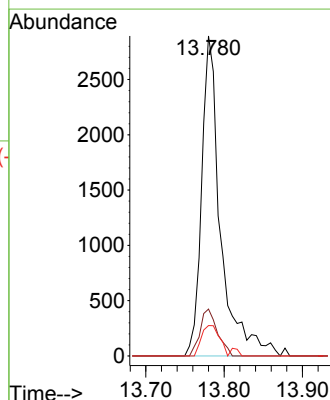
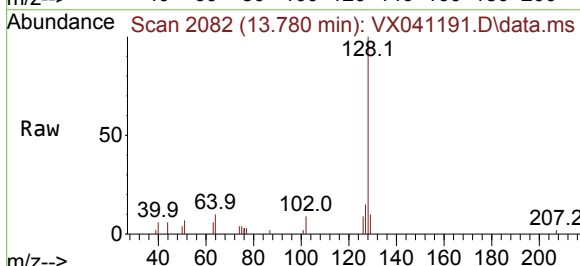
Tgt Ion:128 Resp: 4862

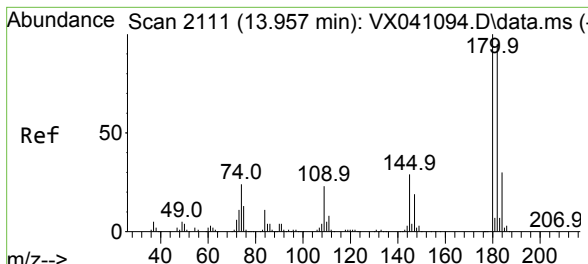
Ion Ratio Lower Upper

128 100

127 13.4 10.3 15.5

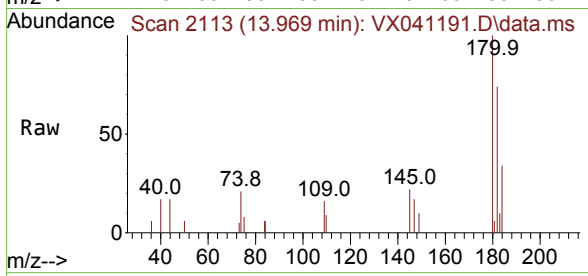
129 10.0 8.8 13.2





#96
 1,2,3-Trichlorobenzene
 Concen: 0.452 ug/l
 RT: 13.969 min Scan# 21
 Delta R.T. 0.006 min
 Lab File: VX041191.D
 Acq: 22 Apr 2024 15:45

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0422MBL01



Tgt Ion:	180	Resp:	1349
Ion Ratio	Lower	Upper	
180	100		
182	98.1	46.9	140.6
145	26.1	17.8	53.5

