

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX080423\
 Data File : VX036821.D
 Acq On : 04 Aug 2023 19:30
 Operator : JC/MD
 Sample : 03887-08
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 MCLEAN-TP4

Quant Time: Aug 04 23:10:26 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X072123W.M
 Quant Title : SW846 8260
 QLast Update : Fri Jul 21 12:14:12 2023
 Response via : Initial Calibration

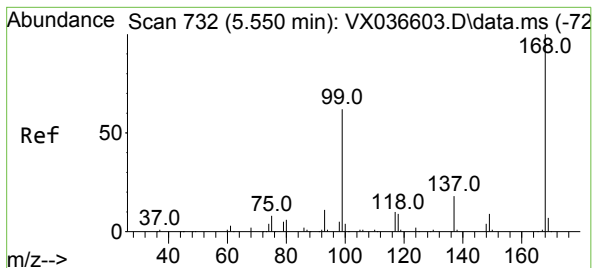
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) Pentafluorobenzene	5.550	168	139991	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.763	114	256464	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	243083	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	109050	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.958	65	99130	47.857	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery =	95.720%		
35) Dibromofluoromethane	5.385	113	83210	47.204	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	94.400%		
50) Toluene-d8	8.647	98	310484	49.667	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery =	99.340%		
62) 4-Bromofluorobenzene	11.079	95	119466	50.654	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery =	101.300%		
Target Compounds						
					Qvalue	
11) Tert butyl alcohol	2.946	59	4771	9.729	ug/l #	80
13) Acrolein	2.227	56	241	0.861	ug/l #	63
16) Acetone	2.380	43	32772	38.127	ug/l	93
18) Methyl Acetate	2.709	43	3040	0.841	ug/l	99
20) Methylene Chloride	2.788	84	6844	3.580	ug/l	93
25) 2-Butanone	4.562	43	15912	11.410	ug/l	93
29) Tetrahydrofuran	5.019	42	775	0.862	ug/l #	51
31) Cyclohexane	5.550	56	3179	1.108	ug/l #	1
36) 1,1-Dichloropropene	5.550	75	11870	4.518	ug/l #	50
37) Ethyl Acetate	4.727	43	5164	1.736	ug/l	99
38) Carbon Tetrachloride	5.556	117	15013	5.375	ug/l #	15
43) Isopropyl Acetate	6.342	43	116768	22.810	ug/l #	95
48) Methyl methacrylate	7.799	41	94209	39.573	ug/l #	49
49) 1,4-Dioxane	7.805	88	187	3.888	ug/l #	1
51) 4-Methyl-2-Pentanone	8.549	43	131245	46.329	ug/l #	37
54) cis-1,3-Dichloropropene	8.549	75	43511	12.443	ug/l #	54
57) 1,3-Dichloropropane	9.482	76	5360	1.598	ug/l #	42
59) 2-Hexanone	9.378	43	102192	48.606	ug/l #	26
74) N-amyl acetate	10.890	43	859	0.204	ug/l #	51
76) 1,2,3-Trichloropropane	11.079	75	63106	24.603	ug/l #	38
81) trans-1,4-Dichloro-2-b...	11.079	75	63106	55.764	ug/l #	5

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

Quant Time: Aug 04 23:10:26 2023
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X072123W.M
Quant Title : SW846 8260
QLast Update : Fri Jul 21 12:14:12 2023
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.550 min Scan# 71

Delta R.T. -0.000 min

Lab File: VX036821.D

Acq: 04 Aug 2023 19:30

Instrument :

MSVOA_X

ClientSampleId :

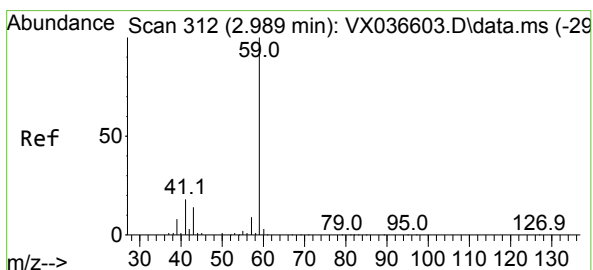
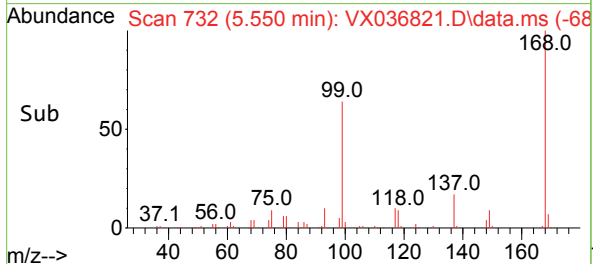
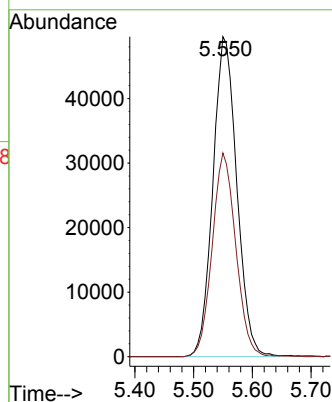
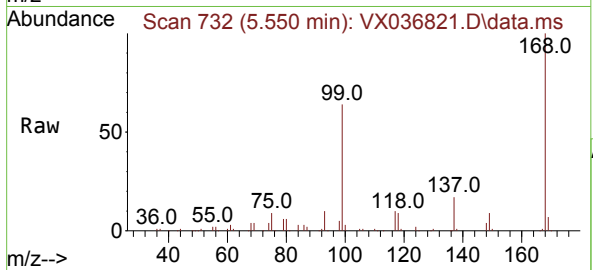
MCLEAN-TP4

Tgt Ion:168 Resp: 139991

Ion Ratio Lower Upper

168 100

99 63.6 56.6 85.0



#11

Tert butyl alcohol

Concen: 9.729 ug/l

RT: 2.946 min Scan# 305

Delta R.T. -0.043 min

Lab File: VX036821.D

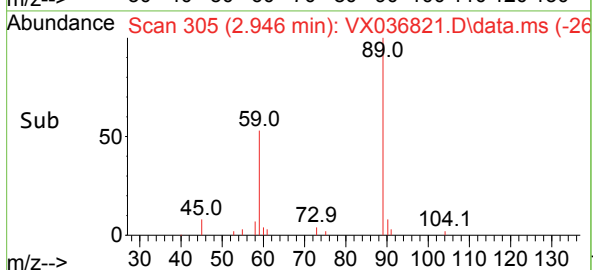
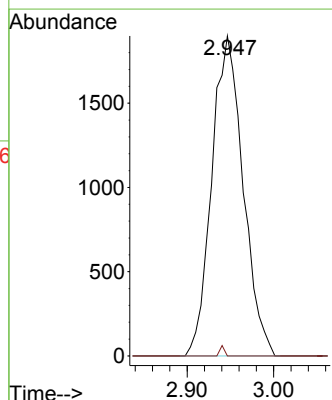
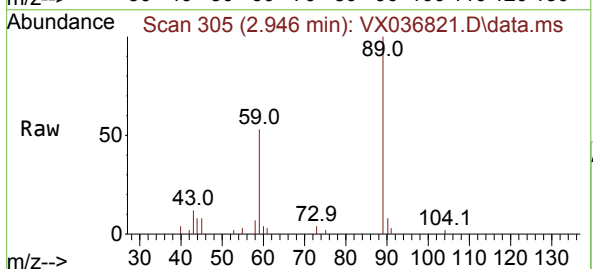
Acq: 04 Aug 2023 19:30

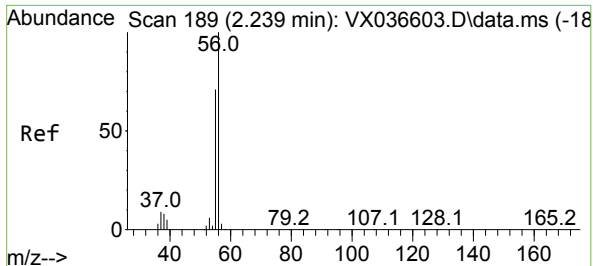
Tgt Ion: 59 Resp: 4771

Ion Ratio Lower Upper

59 100

57 0.5 6.0 9.0#





#13

Acrolein

Concen: 0.861 ug/l

RT: 2.227 min Scan# 11

Delta R.T. -0.012 min

Lab File: VX036821.D

Acq: 04 Aug 2023 19:30

Instrument :

MSVOA_X

ClientSampleId :

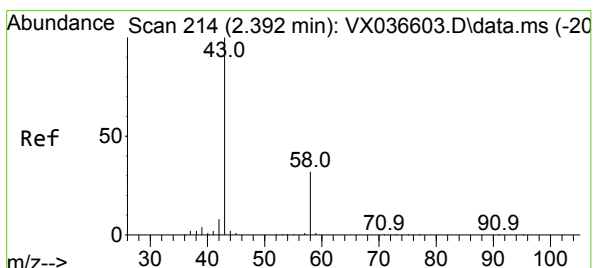
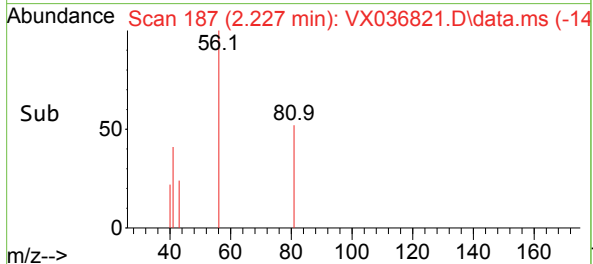
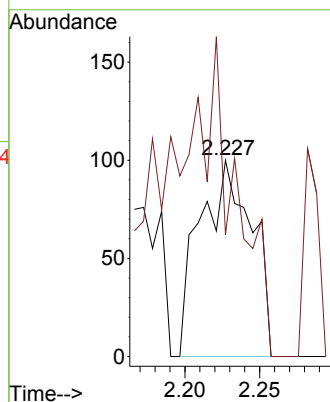
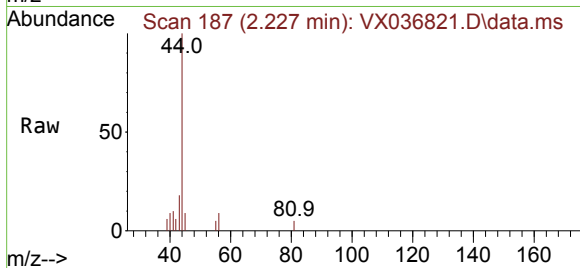
MCLEAN-TP4

Tgt Ion: 56 Resp: 241

Ion Ratio Lower Upper

56 100

55 41.1 57.1 85.7#



#16

Acetone

Concen: 38.127 ug/l

RT: 2.380 min Scan# 212

Delta R.T. -0.012 min

Lab File: VX036821.D

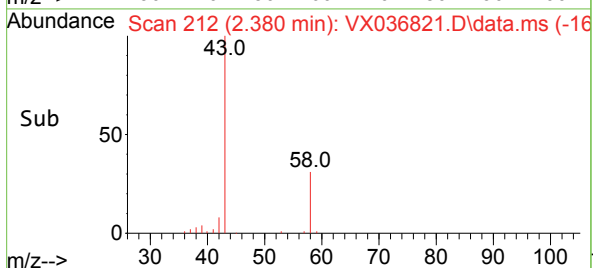
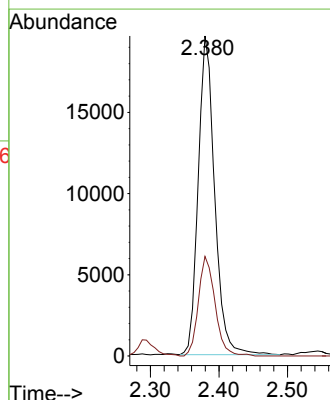
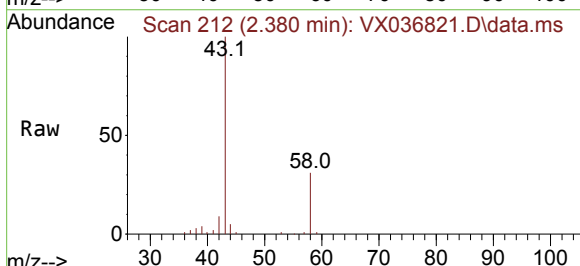
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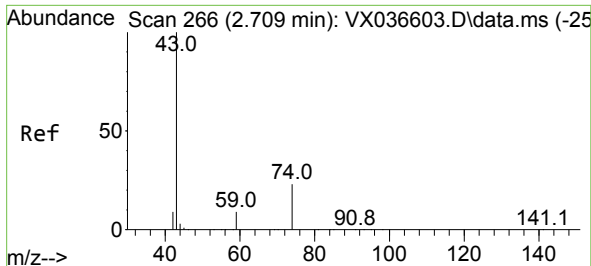
Tgt Ion: 43 Resp: 32772

Ion Ratio Lower Upper

43 100

58 31.2 21.9 32.9

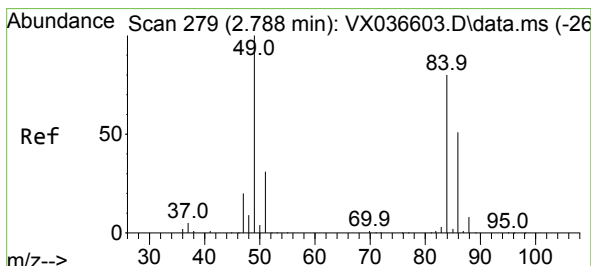
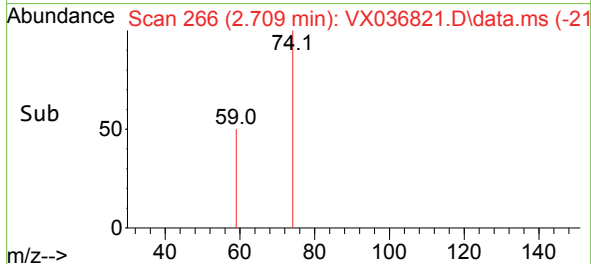
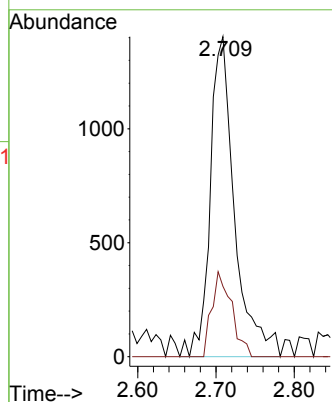
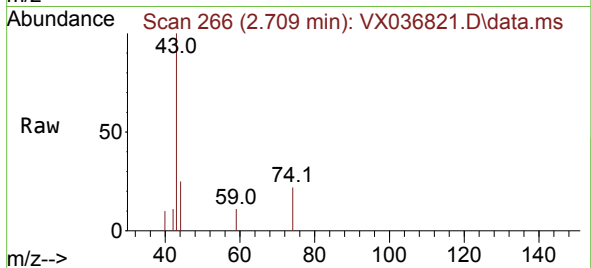




#18
Methyl Acetate
Concen: 0.841 ug/l
RT: 2.709 min Scan# 266
Delta R.T. -0.000 min
Lab File: VX036821.D
Acq: 04 Aug 2023 19:30

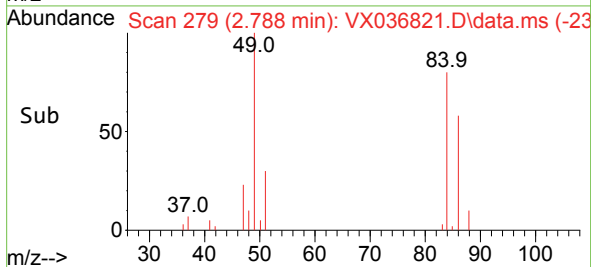
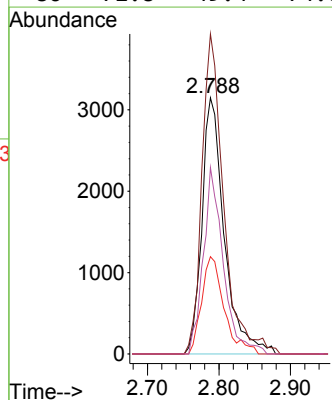
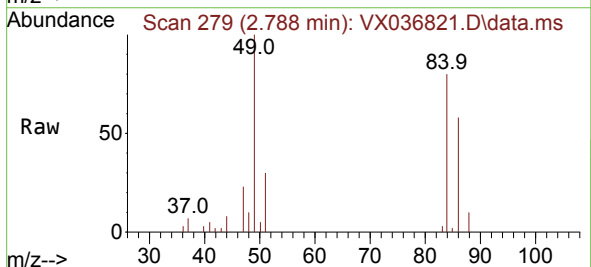
Instrument :
MSVOA_X
ClientSampleId :
MCLEAN-TP4

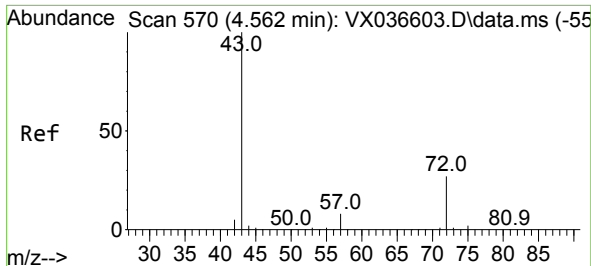
Tgt Ion: 43 Resp: 3040
Ion Ratio Lower Upper
43 100
74 21.6 17.8 26.8



#20
Methylene Chloride
Concen: 3.580 ug/l
RT: 2.788 min Scan# 279
Delta R.T. -0.000 min
Lab File: VX036821.D
Acq: 04 Aug 2023 19:30

Tgt Ion: 84 Resp: 6844
Ion Ratio Lower Upper
84 100
49 124.9 103.6 155.4
51 38.0 33.8 50.6
86 72.8 49.4 74.0

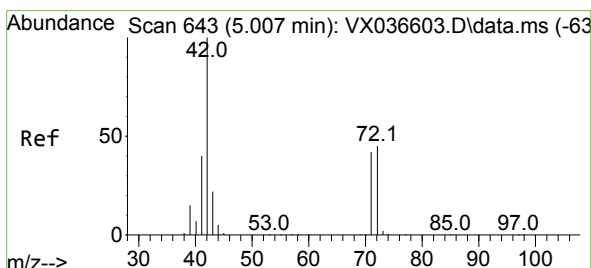
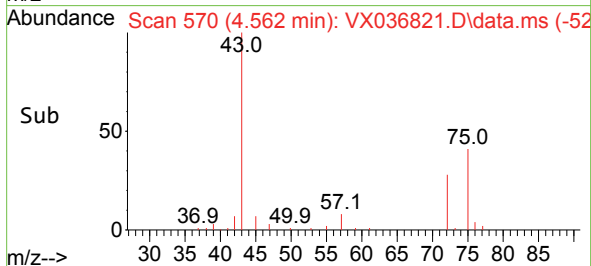
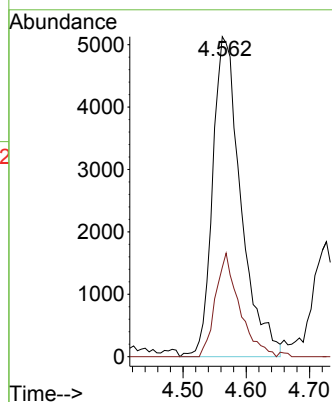
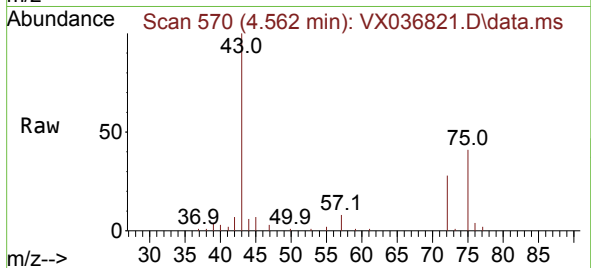




#25
2-Butanone
Concen: 11.410 ug/l
RT: 4.562 min Scan# 51
Delta R.T. -0.000 min
Lab File: VX036821.D
Acq: 04 Aug 2023 19:30

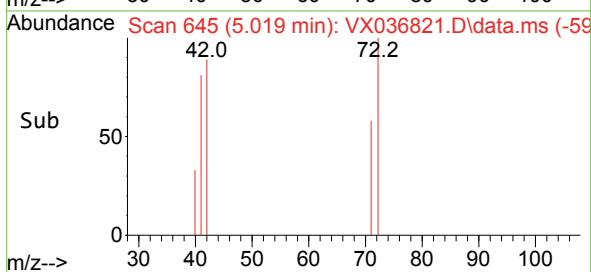
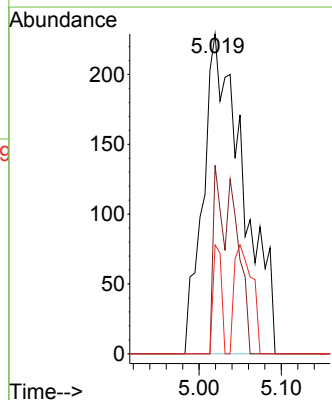
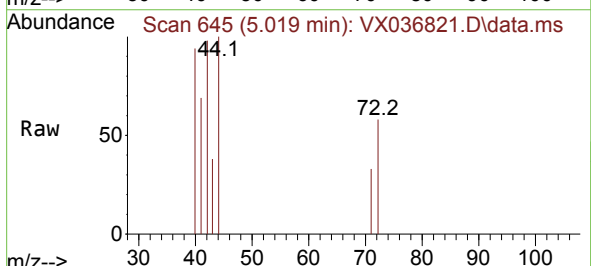
Instrument :
MSVOA_X
ClientSampleId :
MCLEAN-TP4

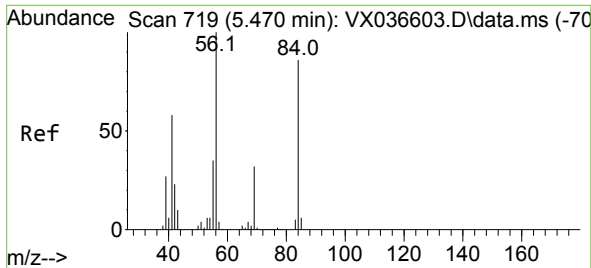
Tgt Ion: 43 Resp: 15912
Ion Ratio Lower Upper
43 100
72 27.9 19.4 29.2



#29
Tetrahydrofuran
Concen: 0.862 ug/l
RT: 5.019 min Scan# 645
Delta R.T. 0.012 min
Lab File: VX036821.D
Acq: 04 Aug 2023 19:30

Tgt Ion: 42 Resp: 775
Ion Ratio Lower Upper
42 100
72 14.7 34.2 51.4#
71 7.1 32.2 48.2#

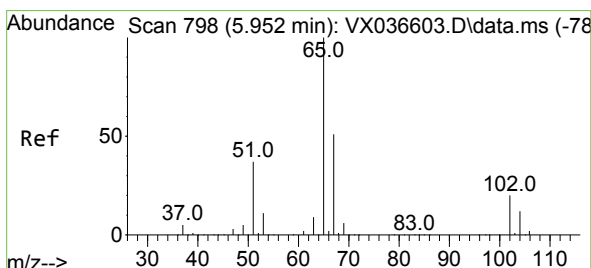
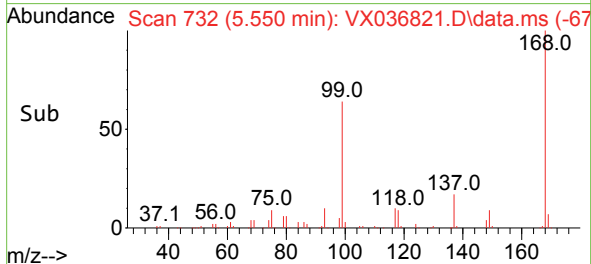
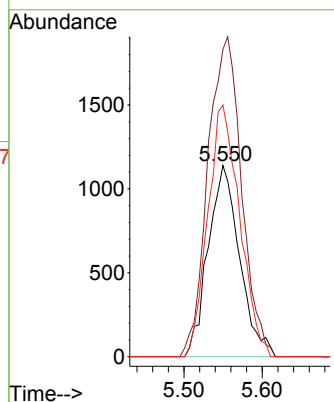
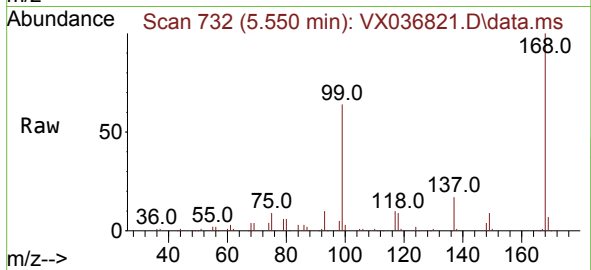




#31
Cyclohexane
Concen: 1.108 ug/l
RT: 5.550 min Scan# 719
Delta R.T. 0.079 min
Lab File: VX036821.D
Acq: 04 Aug 2023 19:30

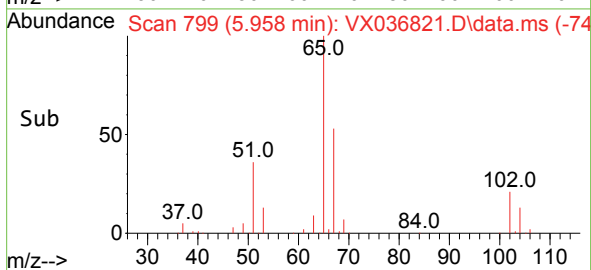
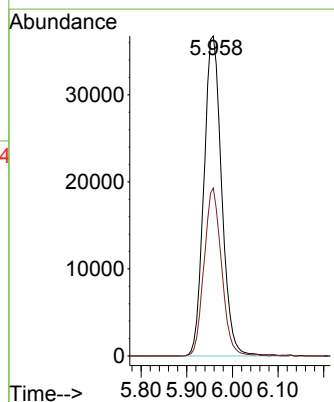
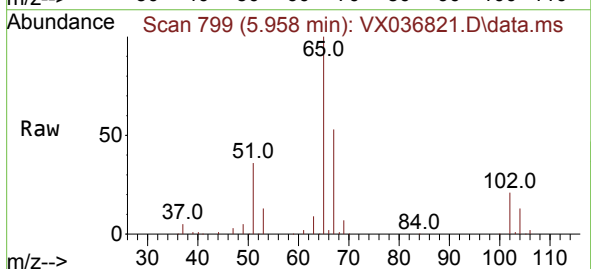
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MSVOA_X
ClientSampleId :
MCLEAN-TP4

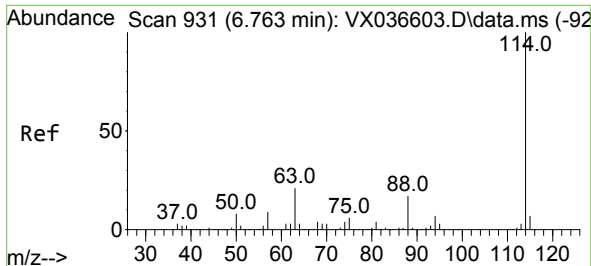
Tgt Ion: 56 Resp: 3179
Ion Ratio Lower Upper
56 100
69 160.7 23.4 35.2#
84 131.6 65.9 98.9#



#33
1,2-Dichloroethane-d4
Concen: 47.857 ug/l
RT: 5.958 min Scan# 799
Delta R.T. 0.006 min
Lab File: VX036821.D
Acq: 04 Aug 2023 19:30

Tgt Ion: 65 Resp: 99130
Ion Ratio Lower Upper
65 100
67 51.6 0.0 100.2

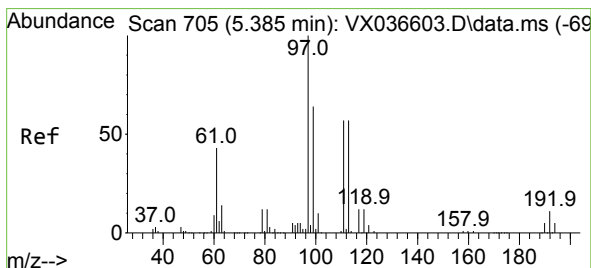
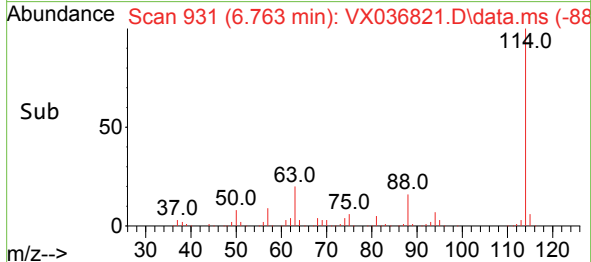
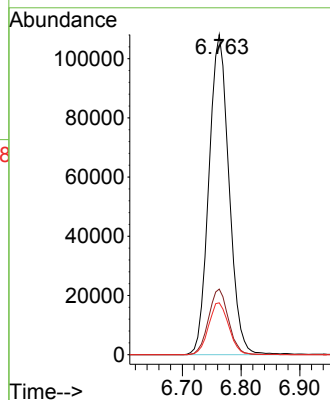
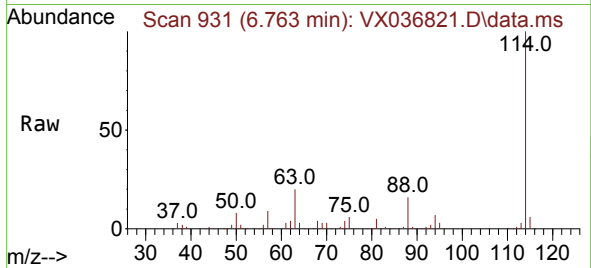




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.763 min Scan# 91
Delta R.T. -0.000 min
Lab File: VX036821.D
Acq: 04 Aug 2023 19:30

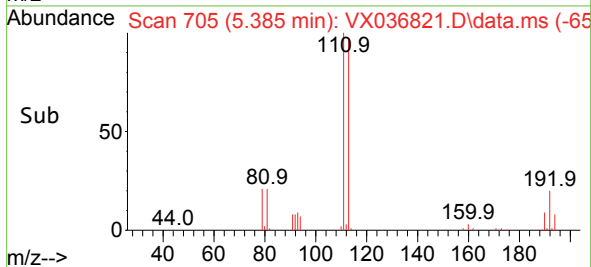
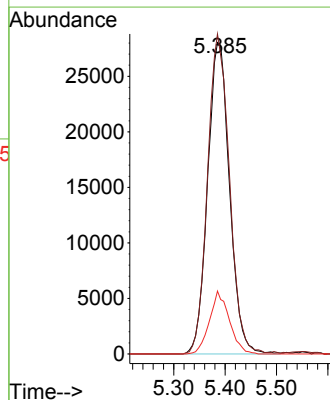
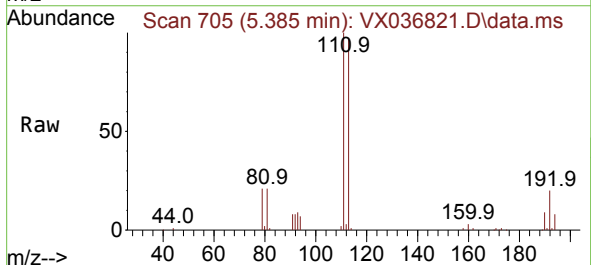
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MCLEAN-TP4

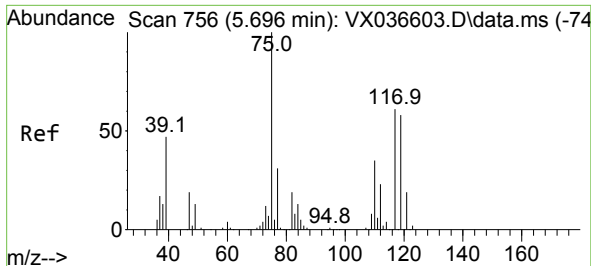
Tgt Ion:114 Resp: 256464
Ion Ratio Lower Upper
114 100
63 20.5 0.0 45.0
88 16.2 0.0 36.6



#35
Dibromofluoromethane
Concen: 47.204 ug/l
RT: 5.385 min Scan# 705
Delta R.T. -0.000 min
Lab File: VX036821.D
Acq: 04 Aug 2023 19:30

Tgt Ion:113 Resp: 83210
Ion Ratio Lower Upper
113 100
111 102.4 82.9 124.3
192 18.3 13.3 19.9

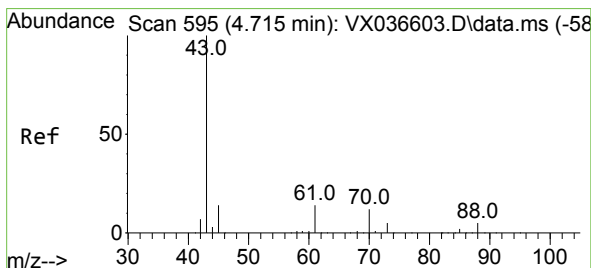
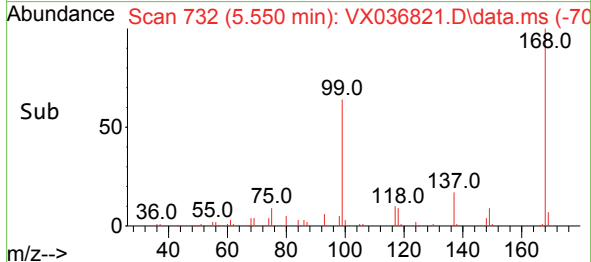
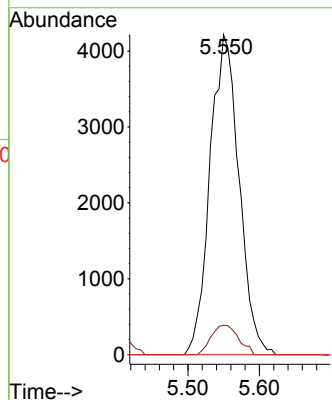
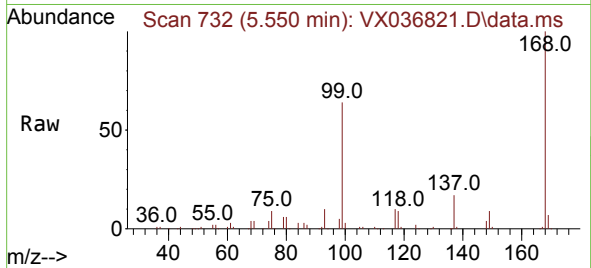




#36
1,1-Dichloropropene
Concen: 4.518 ug/l
RT: 5.550 min Scan# 71
Delta R.T. -0.146 min
Lab File: VX036821.D
Acq: 04 Aug 2023 19:30

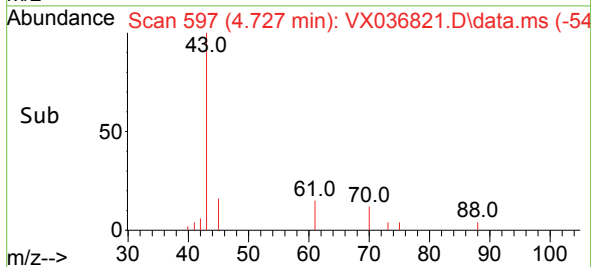
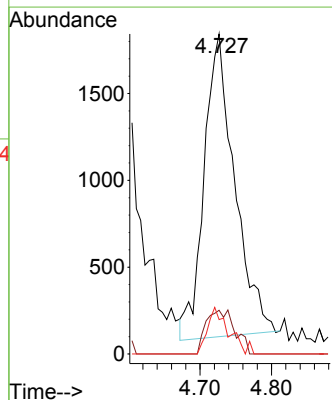
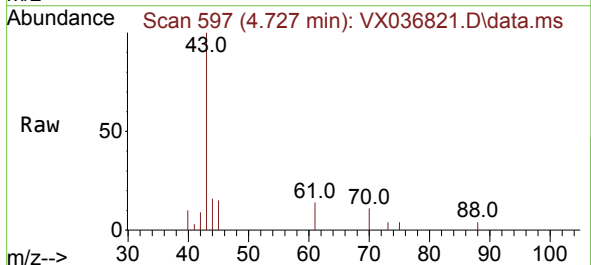
Instrument :
MSVOA_X
ClientSampleId :
MCLEAN-TP4

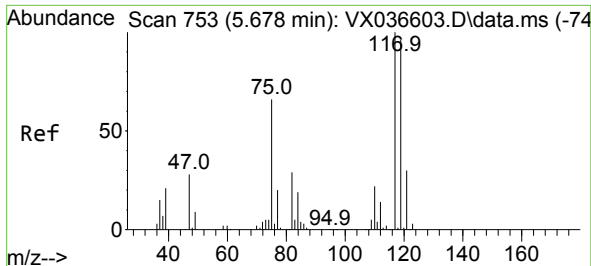
Tgt Ion: 75 Resp: 11870
Ion Ratio Lower Upper
75 100
110 8.7 17.0 50.9#
77 0.0 24.7 37.1#



#37
Ethyl Acetate
Concen: 1.736 ug/l
RT: 4.727 min Scan# 597
Delta R.T. 0.012 min
Lab File: VX036821.D
Acq: 04 Aug 2023 19:30

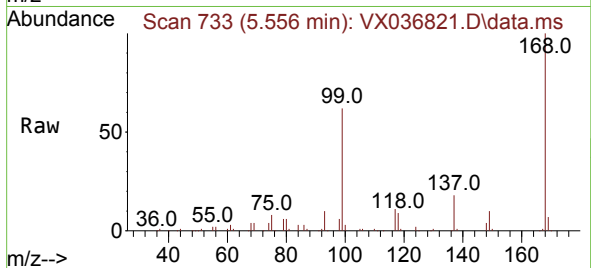
Tgt Ion: 43 Resp: 5164
Ion Ratio Lower Upper
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61 13.8 10.6 16.0
70 10.2 8.3 12.5



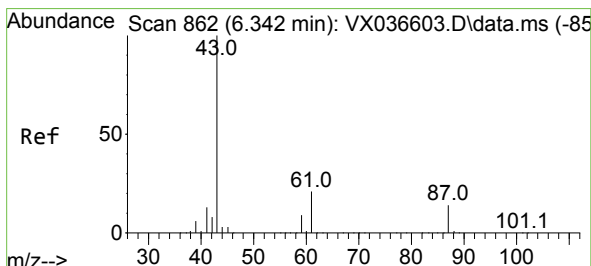
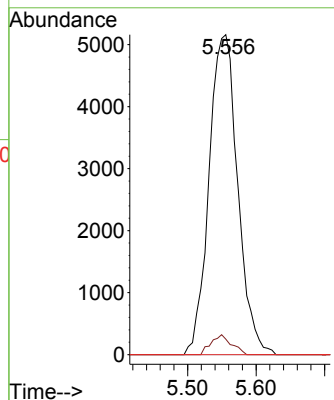
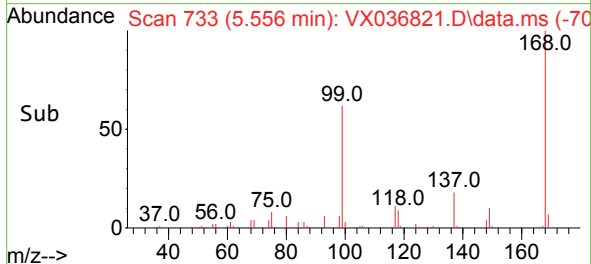


#38
Carbon Tetrachloride
Concen: 5.375 ug/l
RT: 5.556 min Scan# 711
Delta R.T. -0.122 min
Lab File: VX036821.D
Acq: 04 Aug 2023 19:30

Instrument :
MSVOA_X
ClientSampleId :
MCLEAN-TP4

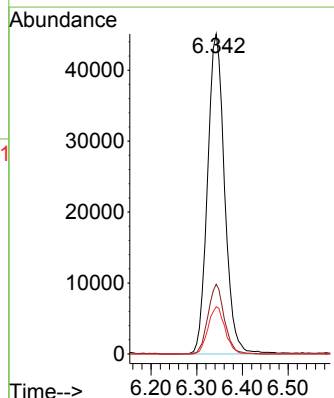
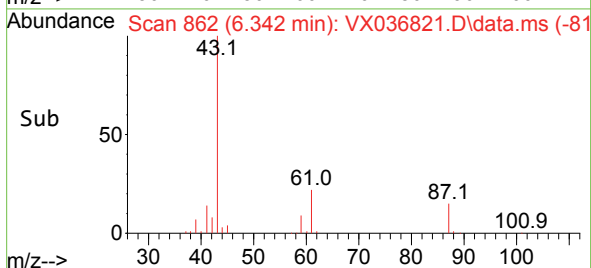
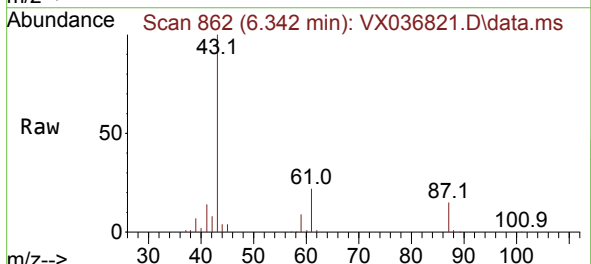


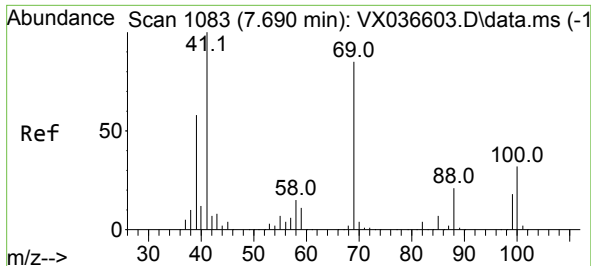
Tgt Ion:117 Resp: 15013
Ion Ratio Lower Upper
117 100
119 4.8 78.2 117.2#
121 0.0 24.4 36.6#



#43
Isopropyl Acetate
Concen: 22.810 ug/l
RT: 6.342 min Scan# 862
Delta R.T. -0.000 min
Lab File: VX036821.D
Acq: 04 Aug 2023 19:30

Tgt Ion: 43 Resp: 116768
Ion Ratio Lower Upper
43 100
61 20.9 15.2 22.8
87 14.7 9.8 14.6#

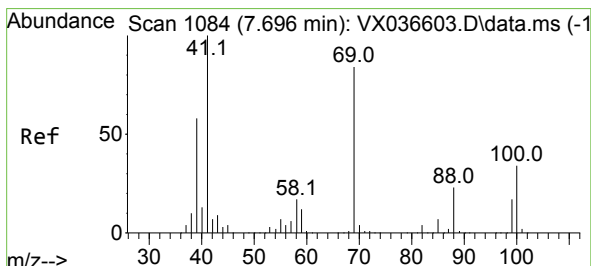
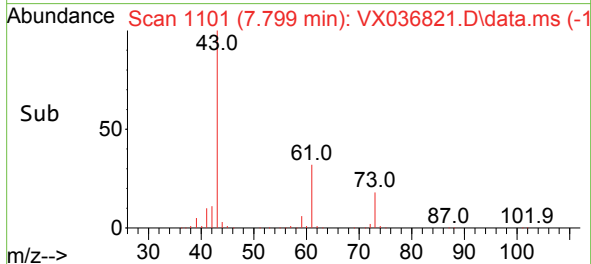
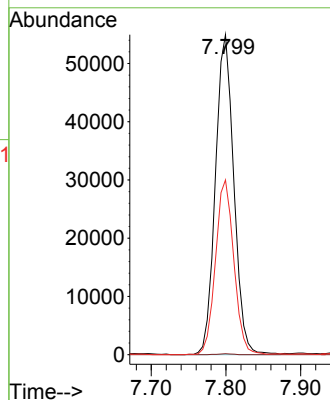
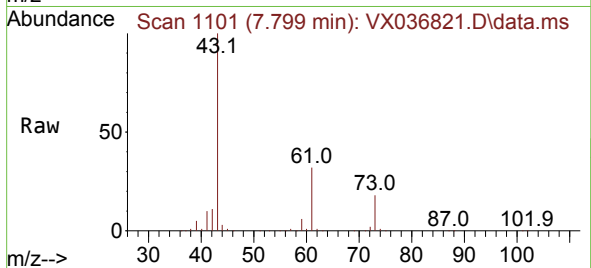




#48
Methyl methacrylate
Concen: 39.573 ug/l
RT: 7.799 min Scan# 1101
Delta R.T. 0.110 min
Lab File: VX036821.D
Acq: 04 Aug 2023 19:30

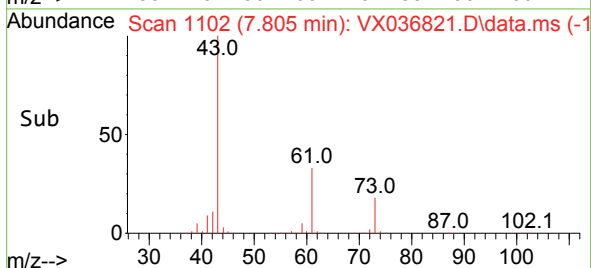
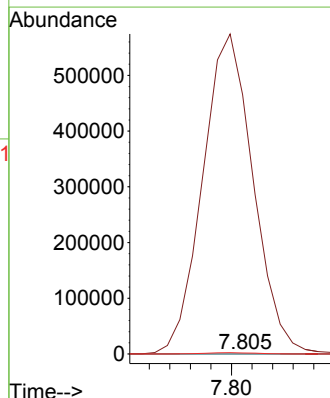
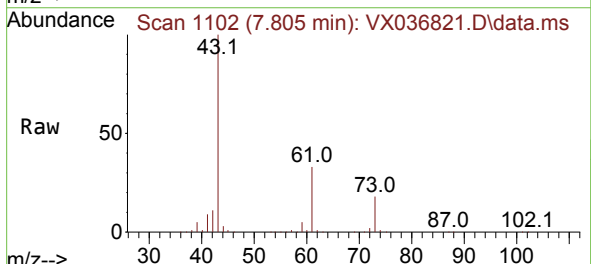
Instrument :
MSVOA_X
ClientSampleId :
MCLEAN-TP4

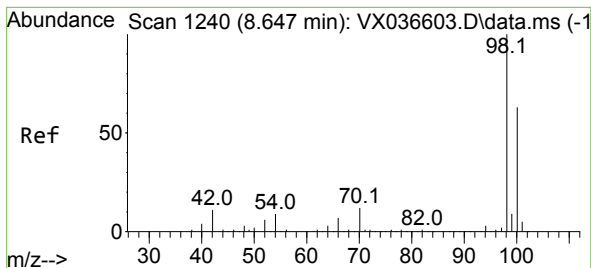
Tgt Ion: 41 Resp: 94209
Ion Ratio Lower Upper
41 100
69 0.2 59.2 88.8#
39 54.4 47.7 71.5



#49
1,4-Dioxane
Concen: 3.888 ug/l
RT: 7.805 min Scan# 1102
Delta R.T. 0.110 min
Lab File: VX036821.D
Acq: 04 Aug 2023 19:30

Tgt Ion: 88 Resp: 187
Ion Ratio Lower Upper
88 100
43 528302.1 0.0 0.0#
58 2133.2 60.1 90.1#





#50

Toluene-d8

Concen: 49.667 ug/l

RT: 8.647 min Scan# 11

Delta R.T. -0.000 min

Lab File: VX036821.D

Acq: 04 Aug 2023 19:30

Instrument :

MSVOA_X

ClientSampleId :

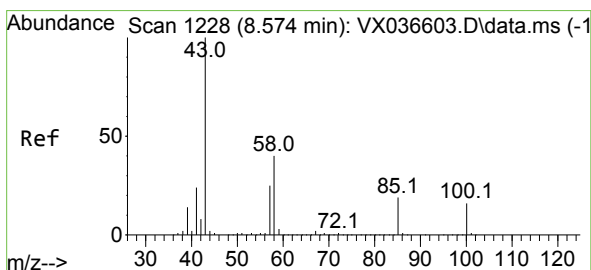
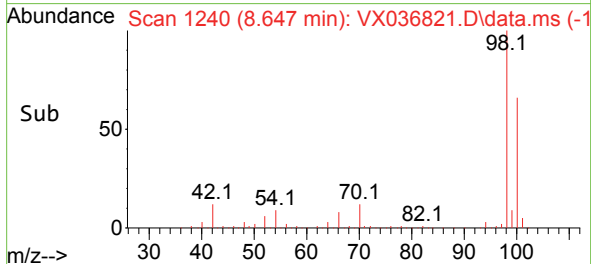
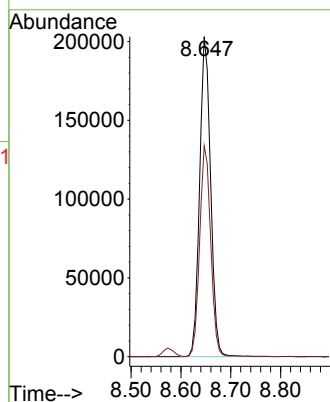
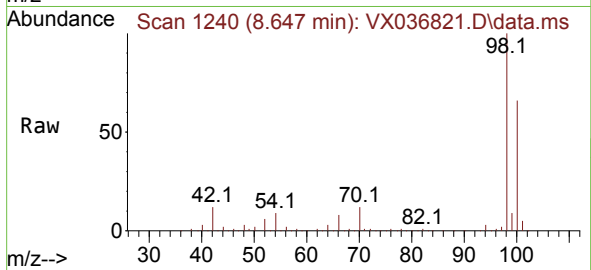
MCLEAN-TP4

Tgt Ion: 98 Resp: 310484

Ion Ratio Lower Upper

98 100

100 66.3 53.1 79.7



#51

4-Methyl-2-Pentanone

Concen: 46.329 ug/l

RT: 8.549 min Scan# 1224

Delta R.T. -0.024 min

Lab File: VX036821.D

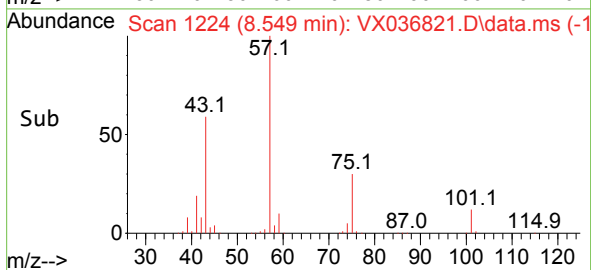
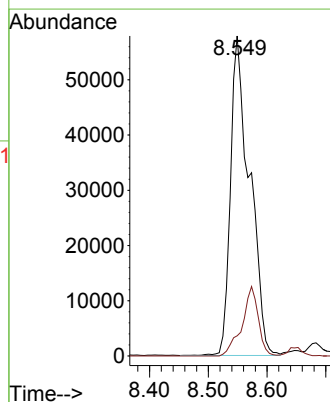
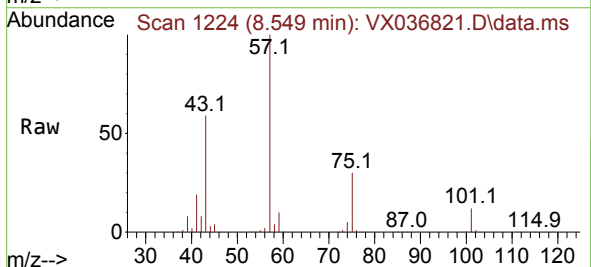
Acq: 04 Aug 2023 19:30

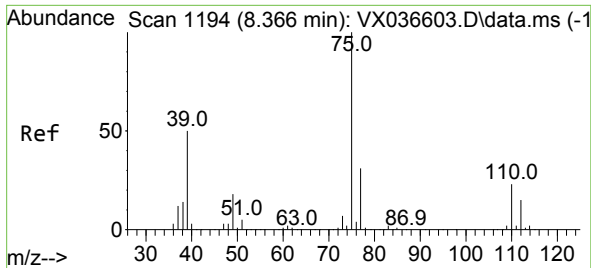
Tgt Ion: 43 Resp: 131245

Ion Ratio Lower Upper

43 100

58 0.0 30.4 45.6#

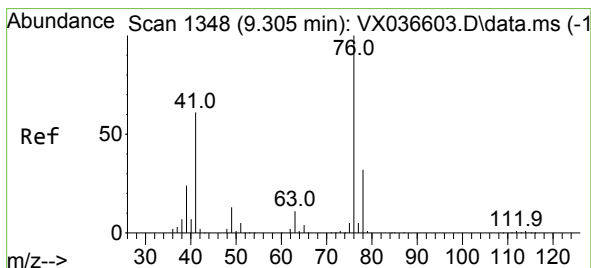
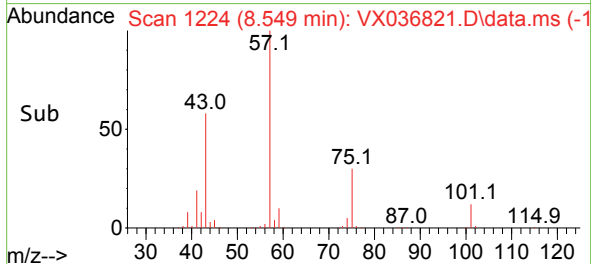
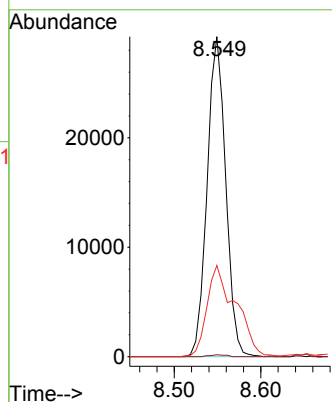
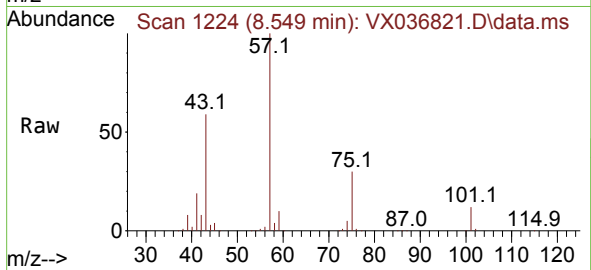




#54
cis-1,3-Dichloropropene
Concen: 12.443 ug/l
RT: 8.549 min Scan# 1194
Delta R.T. 0.183 min
Lab File: VX036821.D
Acq: 04 Aug 2023 19:30

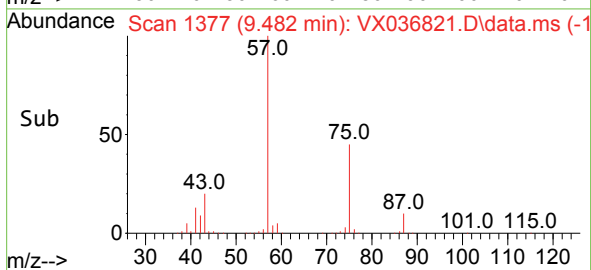
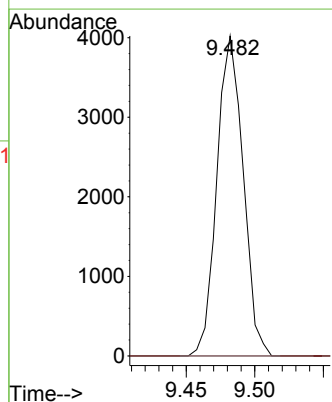
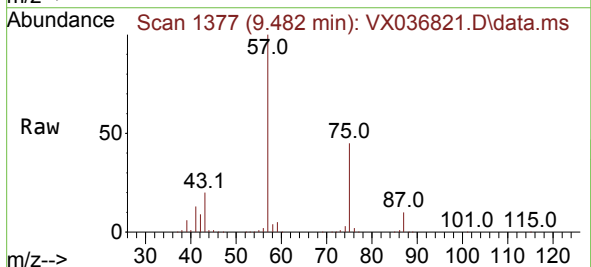
Instrument :
MSVOA_X
ClientSampleId :
MCLEAN-TP4

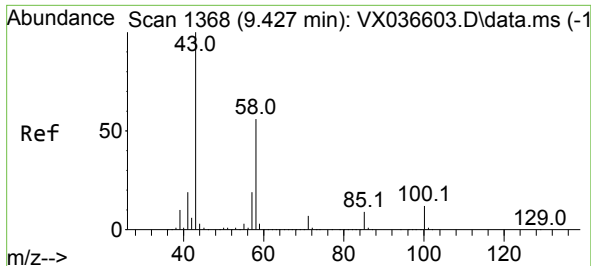
Tgt Ion: 75 Resp: 43511
Ion Ratio Lower Upper
75 100
77 0.6 25.3 37.9#
39 28.5 46.7 70.1#



#57
1,3-Dichloropropane
Concen: 1.598 ug/l
RT: 9.482 min Scan# 1377
Delta R.T. 0.177 min
Lab File: VX036821.D
Acq: 04 Aug 2023 19:30

Tgt Ion: 76 Resp: 5360
Ion Ratio Lower Upper
76 100
78 0.0 26.1 39.1#

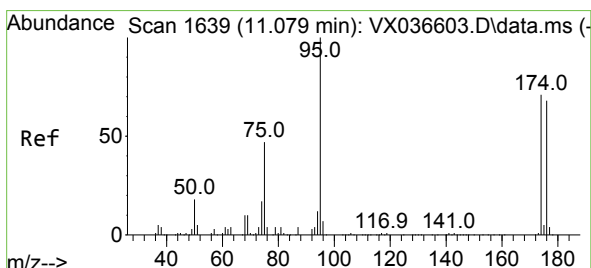
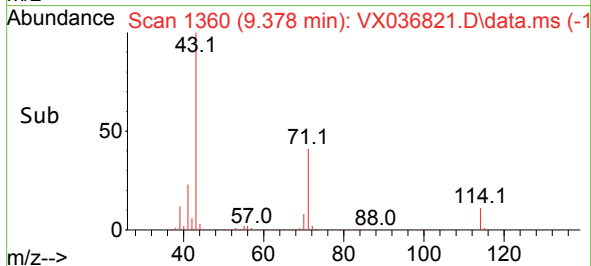
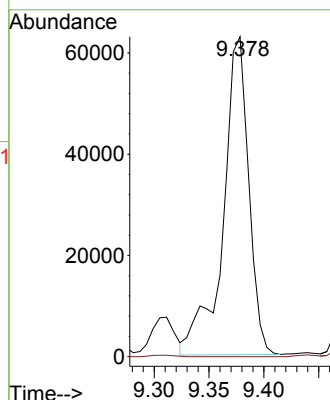
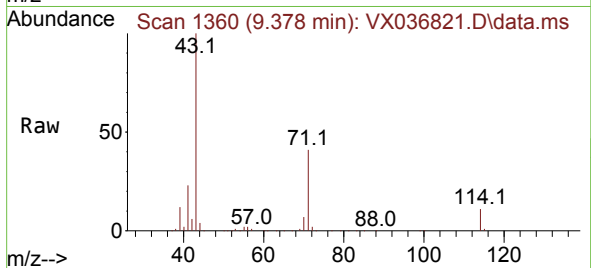




#59
2-Hexanone
Concen: 48.606 ug/l
RT: 9.378 min Scan# 11
Delta R.T. -0.049 min
Lab File: VX036821.D
Acq: 04 Aug 2023 19:30

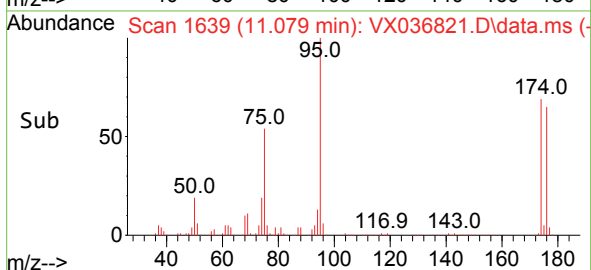
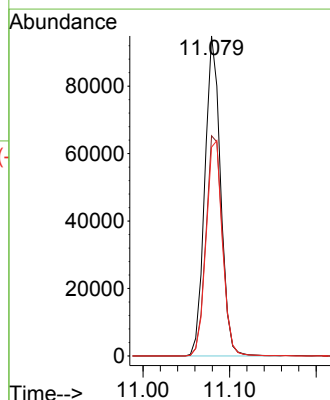
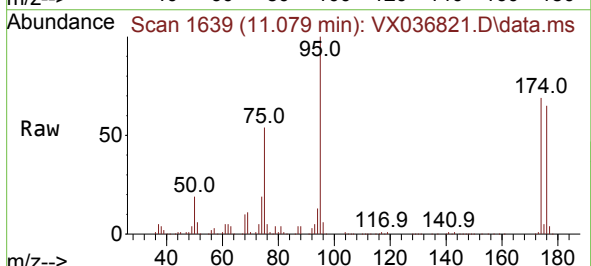
Instrument :
MSVOA_X
ClientSampleId :
MCLEAN-TP4

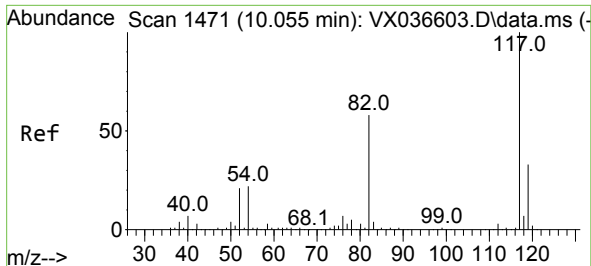
Tgt Ion: 43 Resp: 102192
Ion Ratio Lower Upper
43 100
58 0.0 26.2 78.5#



#62
4-Bromofluorobenzene
Concen: 50.654 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.000 min
Lab File: VX036821.D
Acq: 04 Aug 2023 19:30

Tgt Ion: 95 Resp: 119466
Ion Ratio Lower Upper
95 100
174 72.6 0.0 135.6
176 70.2 0.0 131.0

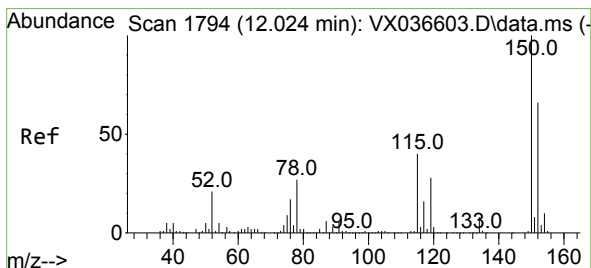
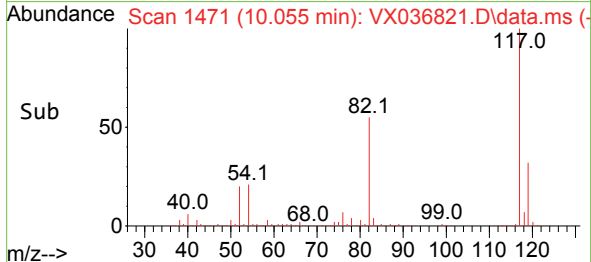
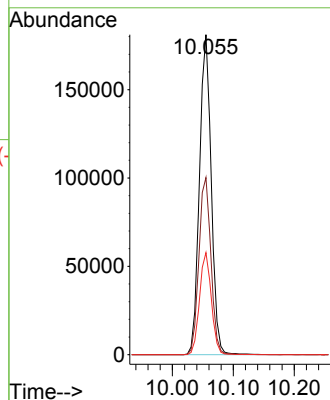
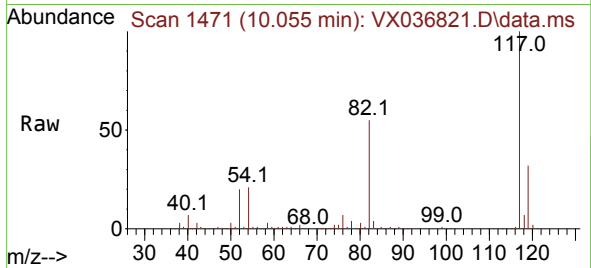




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. -0.000 min
Lab File: VX036821.D
Acq: 04 Aug 2023 19:30

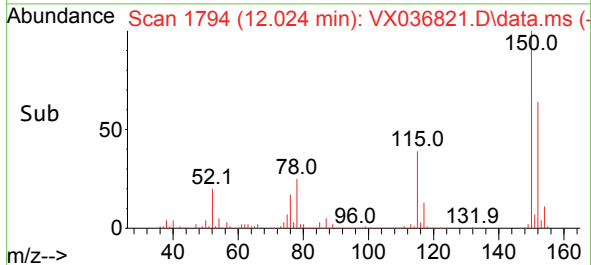
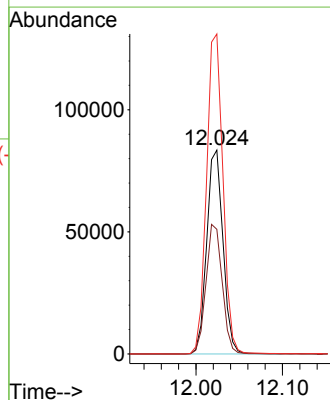
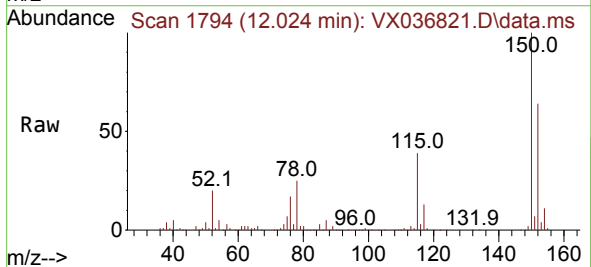
Instrument :
MSVOA_X
ClientSampleId :
MCLEAN-TP4

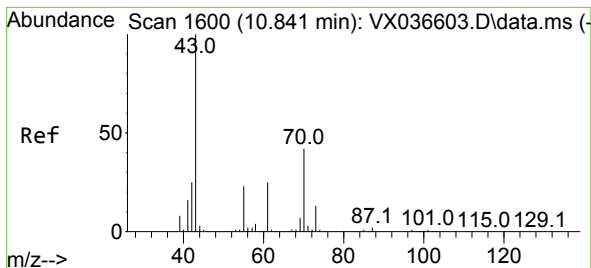
Tgt Ion:117 Resp: 243083
Ion Ratio Lower Upper
117 100
82 55.3 46.2 69.4
119 31.9 25.5 38.3



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.024 min Scan# 1794
Delta R.T. -0.000 min
Lab File: VX036821.D
Acq: 04 Aug 2023 19:30

Tgt Ion:152 Resp: 109050
Ion Ratio Lower Upper
152 100
115 63.3 43.3 129.9
150 158.1 0.0 345.0





#74

N-amy1 acetate

Concen: 0.204 ug/l

RT: 10.890 min Scan# 1

Delta R.T. 0.049 min

Lab File: VX036821.D

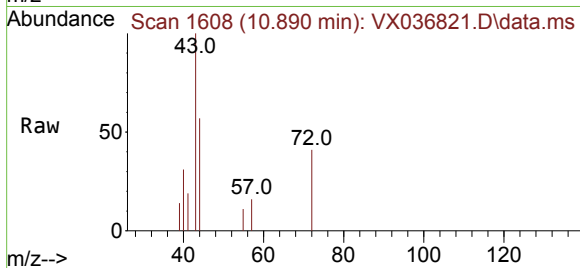
Acq: 04 Aug 2023 19:30

Instrument :

MSVOA_X

ClientSampleId :

MCLEAN-TP4



Tgt Ion: 43 Resp: 859

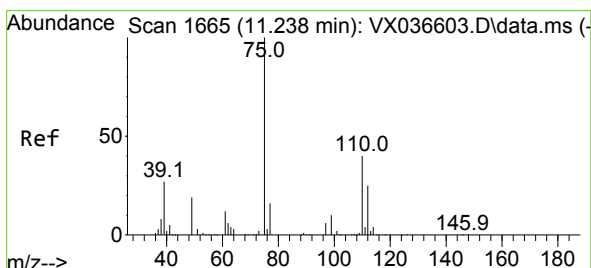
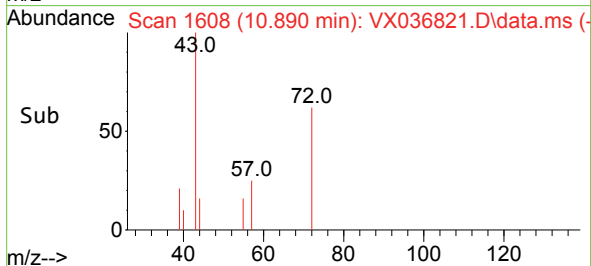
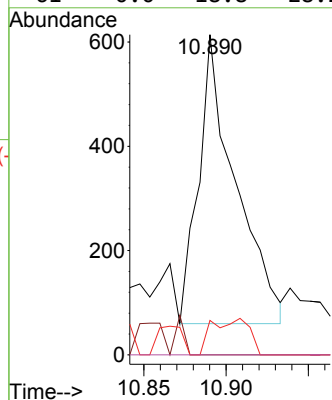
Ion Ratio Lower Upper

43 100

70 0.0 32.9 49.3#

55 12.8 19.3 28.9#

61 0.0 18.8 28.2#



#76

1,2,3-Trichloropropane

Concen: 24.603 ug/l

RT: 11.079 min Scan# 1639

Delta R.T. -0.159 min

Lab File: VX036821.D

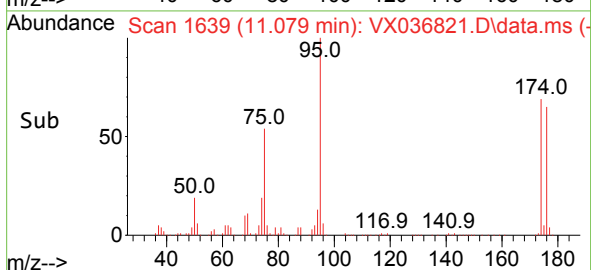
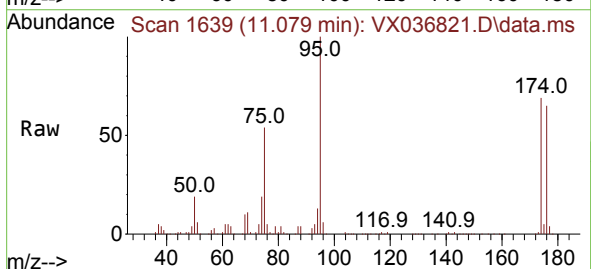
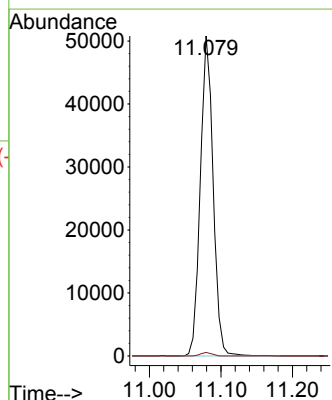
Acq: 04 Aug 2023 19:30

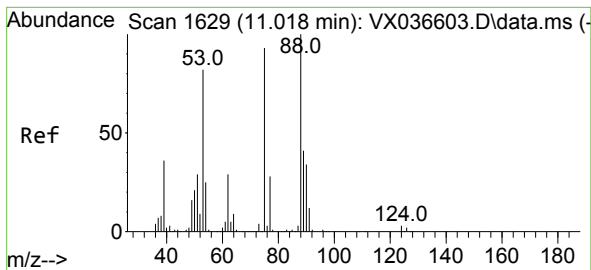
Tgt Ion: 75 Resp: 63106

Ion Ratio Lower Upper

75 100

77 1.0 19.1 57.5#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 55.764 ug/l
 RT: 11.079 min Scan# 1
 Delta R.T. 0.061 min
 Lab File: VX036821.D
 Acq: 04 Aug 2023 19:30

Instrument :
 MSVOA_X
 ClientSampleId :
 MCLEAN-TP4

Tgt Ion: 75 Resp: 63106
 Ion Ratio Lower Upper
 75 100
 53 0.0 90.5 135.7#
 89 0.0 36.9 55.3#

