

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX032121\
 Data File : VX021335.D
 Acq On : 20 Mar 2021 08:36
 Operator : JC/MD
 Sample : M1735-15
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 41 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 TT101D1-20210316

Quant Time: Mar 22 00:52:28 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X031621W.M
 Quant Title : SW846 8260
 QLast Update : Tue Mar 16 14:00:21 2021
 Response via : Initial Calibration

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

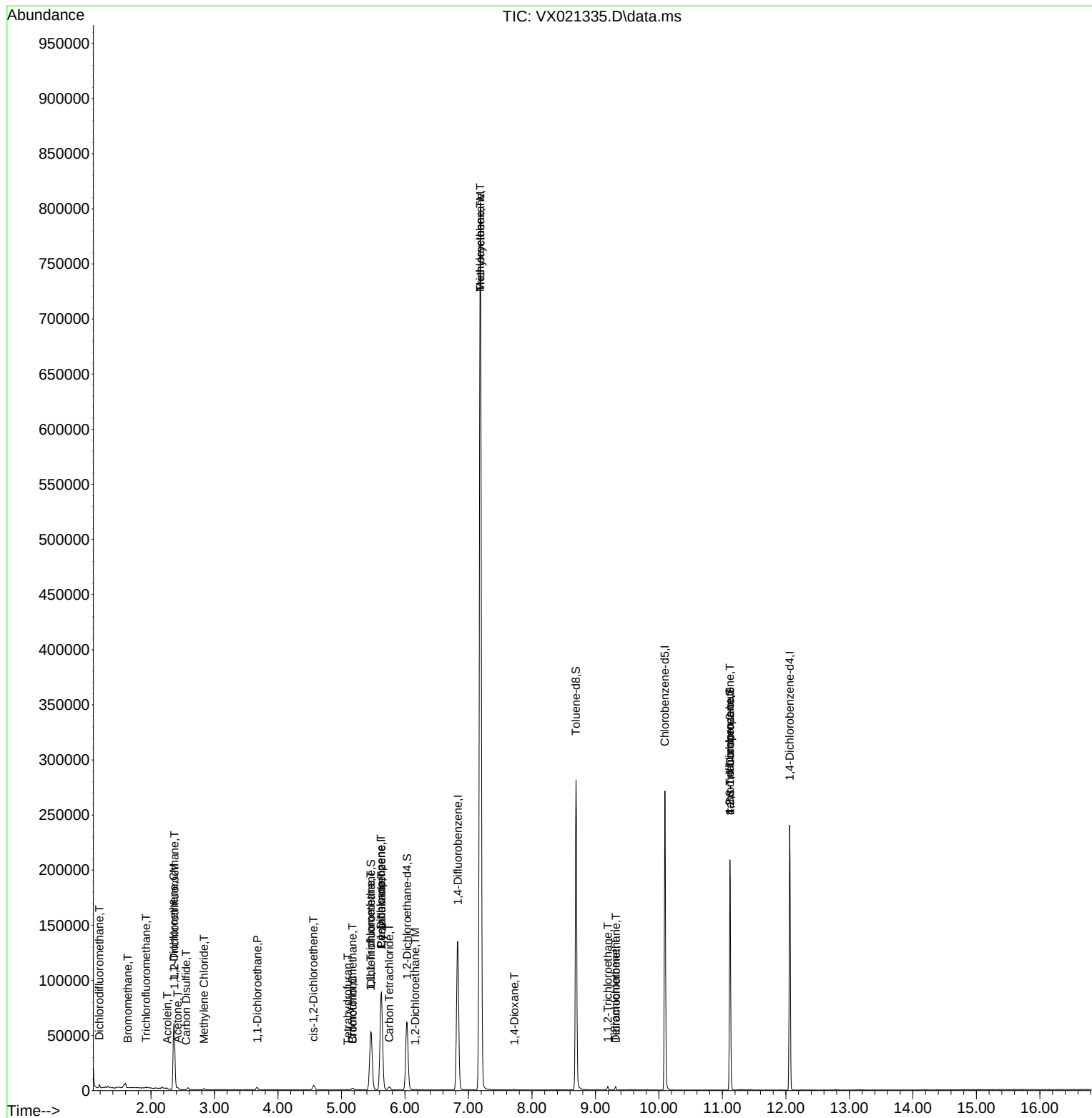
Internal Standards						
1) Pentafluorobenzene	5.629	168	76234	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.835	114	127487	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.094	117	108468	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.059	152	43900	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	6.035	65	61709	49.35	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery =	98.70%		
35) Dibromofluoromethane	5.464	113	43020	49.59	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	99.18%		
50) Toluene-d8	8.694	98	155253	49.32	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery =	98.64%		
62) 4-Bromofluorobenzene	11.118	95	53284	43.59	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery =	87.18%		
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	1.187	85	860	0.94	ug/l	93
3) Chloromethane	1.316	50	990	Below Cal		93
5) Bromomethane	1.634	94	114	0.28	ug/l	90
7) Trichlorofluoromethane	1.922	101	354	0.25	ug/l	93
9) 1,1,2-Trichlorotrifluo...	2.370	101	17448	21.90	ug/l	93
12) 1,1-Dichloroethene	2.358	96	6603	8.50	ug/l	89
13) Acrolein	2.258	56	18	3.27	ug/l #	1
16) Acetone	2.417	43	1716	3.73	ug/l #	75
17) Carbon Disulfide	2.552	76	42	0.55	ug/l #	75
20) Methylene Chloride	2.834	84	530	0.56	ug/l #	91
24) 1,1-Dichloroethane	3.676	63	2291	1.38	ug/l #	86
27) cis-1,2-Dichloroethene	4.558	96	2264	2.27	ug/l	93
28) Bromochloromethane	5.176	49	174	0.22	ug/l #	9
29) Tetrahydrofuran	5.099	42	227	0.49	ug/l #	54
30) Chloroform	5.176	83	1527	0.88	ug/l	86
31) Cyclohexane	5.629	56	2285	1.51	ug/l #	37
32) 1,1,1-Trichloroethane	5.458	97	934	0.61	ug/l #	47
36) 1,1-Dichloropropene	5.623	75	7104	5.53	ug/l #	50
38) Carbon Tetrachloride	5.752	117	2183	1.64	ug/l	94
39) Methylcyclohexane	7.188	83	3670	2.57	ug/l #	1
42) 1,2-Dichloroethane	6.164	62	482	0.32	ug/l #	73
44) Trichloroethene	7.188	130	280941	298.78	ug/l	98
49) 1,4-Dioxane	7.723	88	449	9.27	ug/l #	76
55) 1,1,2-Trichloroethane	9.194	97	675	0.75	ug/l #	89
60) Dibromochloromethane	9.323	129	423	0.41	ug/l #	11
64) Tetrachloroethene	9.318	164	520	0.64	ug/l #	73
76) 1,2,3-Trichloropropane	11.118	75	30343	29.80	ug/l #	38
81) trans-1,4-Dichloro-2-b...	11.118	75	30343	80.90	ug/l #	12

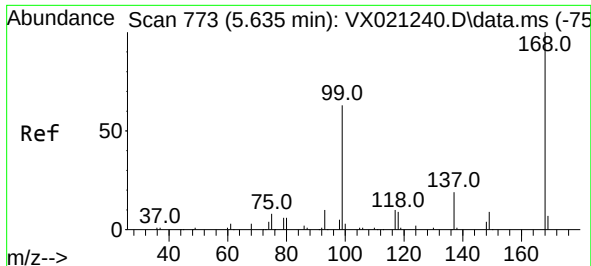
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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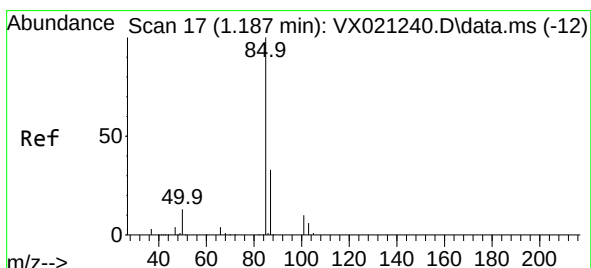
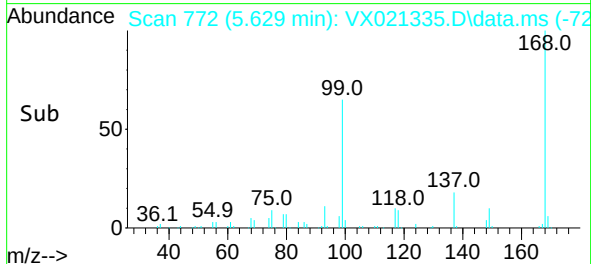
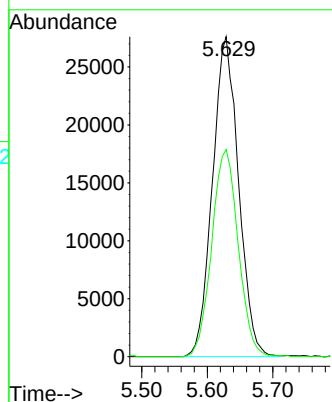
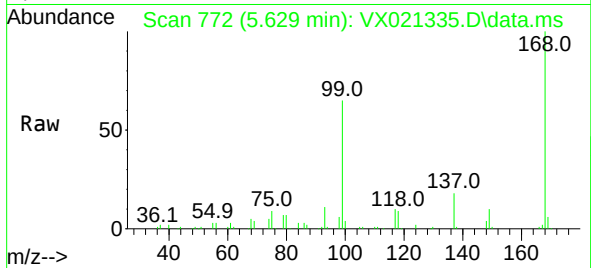




#1
Pentafluorobenzene
Concen: 50.00 ug/l
RT: 5.629 min Scan# 772
Delta R.T. -0.006 min
Lab File: VX021335.D
Acq: 20 Mar 2021 08:36

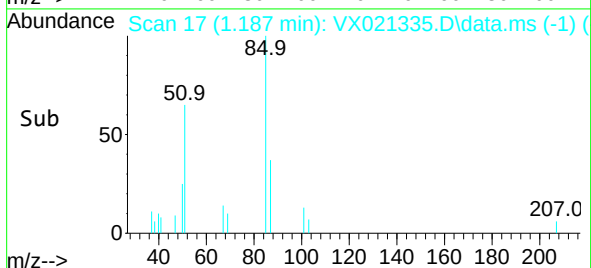
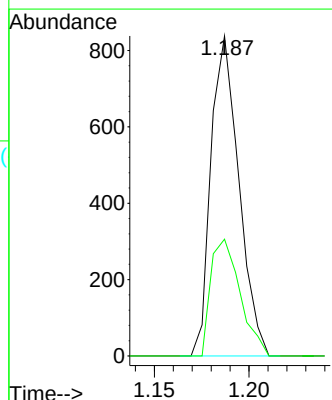
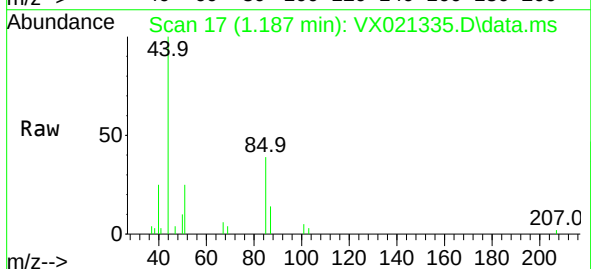
Instrument :
MSVOA_X
ClientSampleId :
TT101D1-20210316

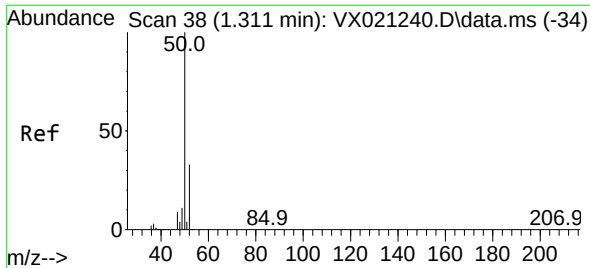
Tgt Ion:168 Resp: 76234
Ion Ratio Lower Upper
168 100
99 64.8 45.8 68.6



#2
Dichlorodifluoromethane
Concen: 0.94 ug/l
RT: 1.187 min Scan# 17
Delta R.T. 0.000 min
Lab File: VX021335.D
Acq: 20 Mar 2021 08:36

Tgt Ion: 85 Resp: 860
Ion Ratio Lower Upper
85 100
87 36.5 16.4 49.2

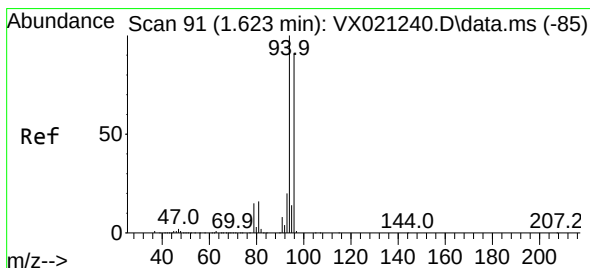
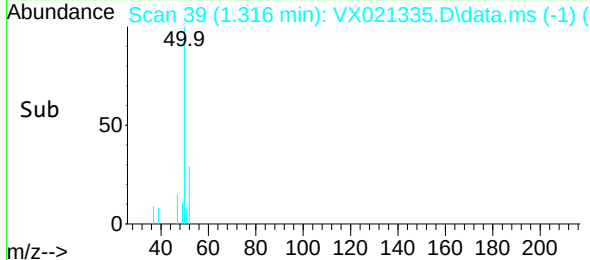
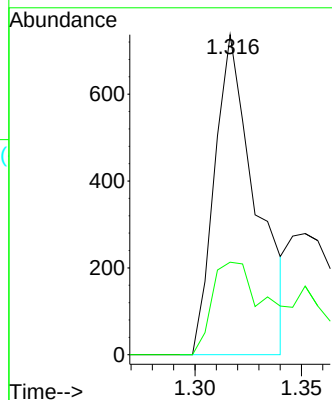
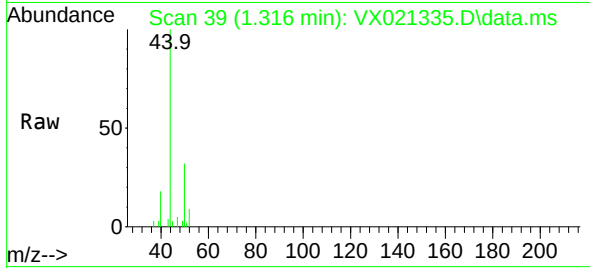




#3
Chloromethane
Concen: Below Cal
RT: 1.316 min Scan# 39
Delta R.T. 0.005 min
Lab File: VX021335.D
Acq: 20 Mar 2021 08:36

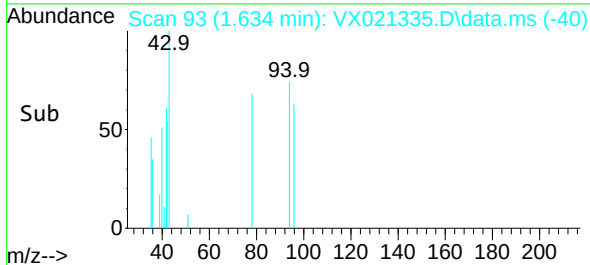
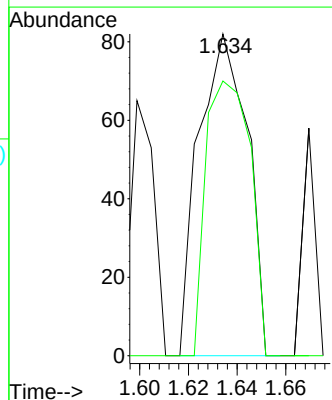
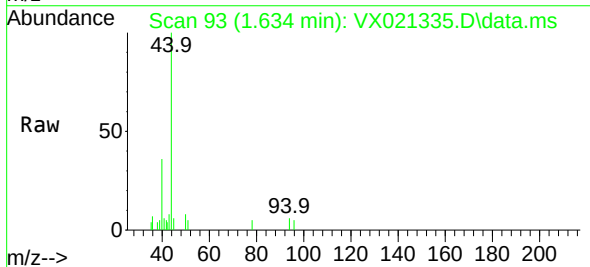
Instrument :
MSVOA_X
ClientSampleId :
TT101D1-20210316

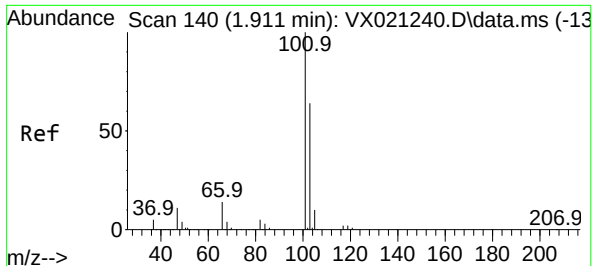
Tgt Ion: 50 Resp: 990
Ion Ratio Lower Upper
50 100
52 28.9 26.4 39.6



#5
Bromomethane
Concen: 0.28 ug/l
RT: 1.634 min Scan# 93
Delta R.T. 0.011 min
Lab File: VX021335.D
Acq: 20 Mar 2021 08:36

Tgt Ion: 94 Resp: 114
Ion Ratio Lower Upper
94 100
96 85.4 76.4 114.6

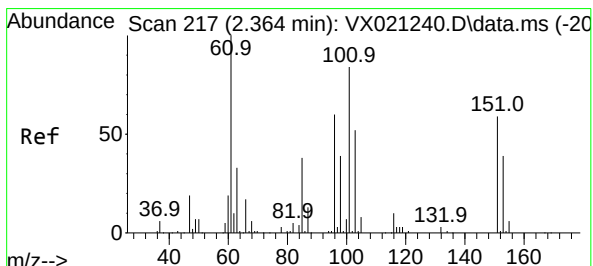
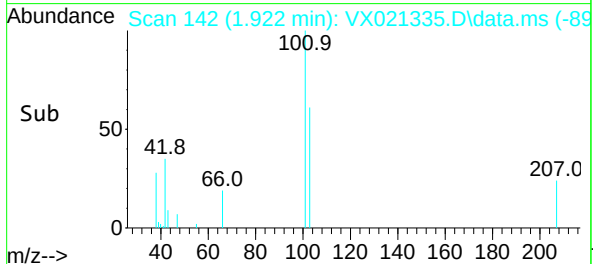
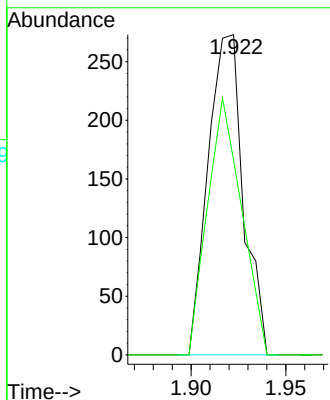
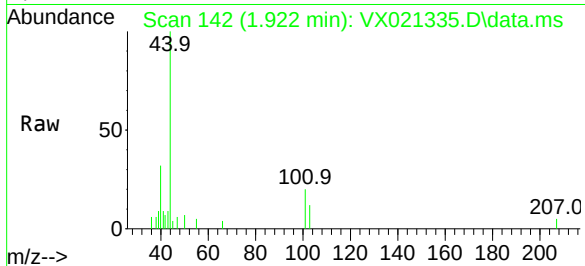




#7
Trichlorofluoromethane
Concen: 0.25 ug/l
RT: 1.922 min Scan# 142
Delta R.T. 0.011 min
Lab File: VX021335.D
Acq: 20 Mar 2021 08:36

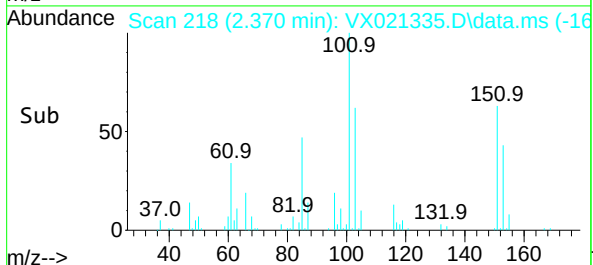
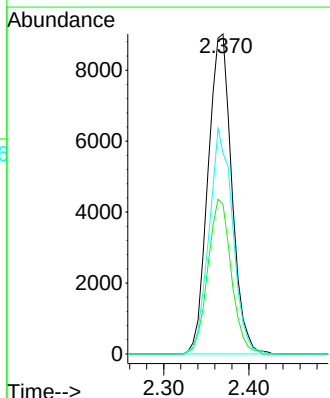
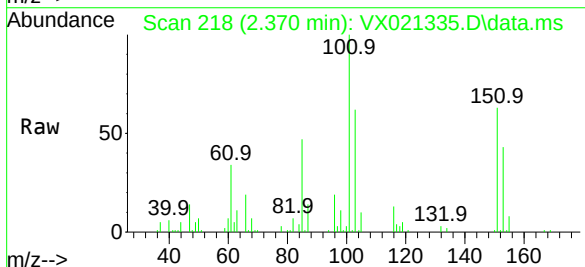
Instrument :
MSVOA_X
ClientSampleId :
TT101D1-20210316

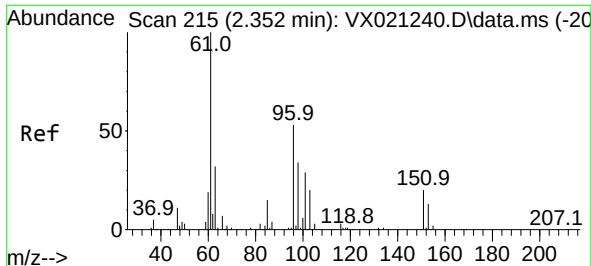
Tgt Ion:101 Resp: 354
Ion Ratio Lower Upper
101 100
103 60.8 53.2 79.8



#9
1,1,2-Trichlorotrifluoroethane
Concen: 21.90 ug/l
RT: 2.370 min Scan# 218
Delta R.T. 0.006 min
Lab File: VX021335.D
Acq: 20 Mar 2021 08:36

Tgt Ion:101 Resp: 17448
Ion Ratio Lower Upper
101 100
85 47.7 34.9 52.3
151 70.2 61.4 92.2





#12

1,1-Dichloroethene

Concen: 8.50 ug/l

RT: 2.358 min Scan# 216

Delta R.T. 0.006 min

Lab File: VX021335.D

Acq: 20 Mar 2021 08:36

Tgt Ion: 96 Resp: 6603

Ion Ratio Lower Upper

96 100

61 175.3 124.6 187.0

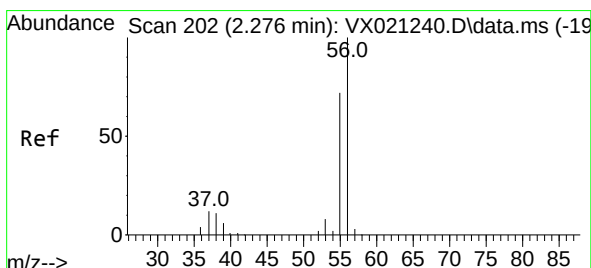
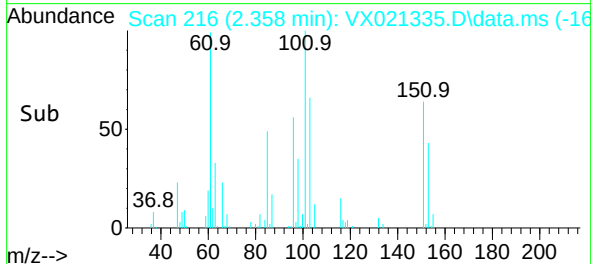
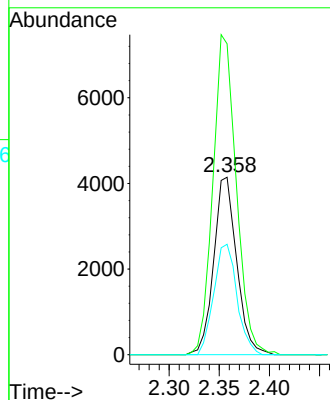
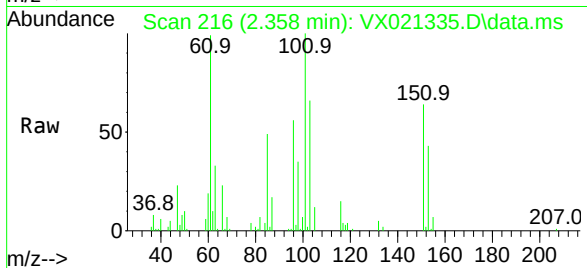
98 62.2 50.6 76.0

Instrument :

MSVOA_X

ClientSampleId :

TT101D1-20210316



#13

Acrolein

Concen: 3.27 ug/l

RT: 2.258 min Scan# 199

Delta R.T. -0.018 min

Lab File: VX021335.D

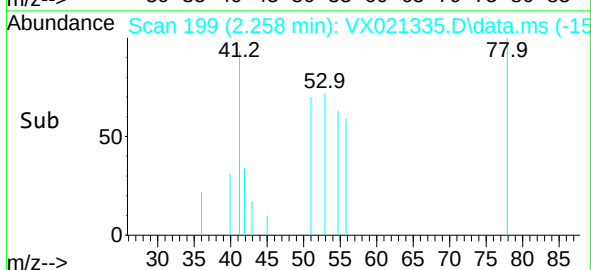
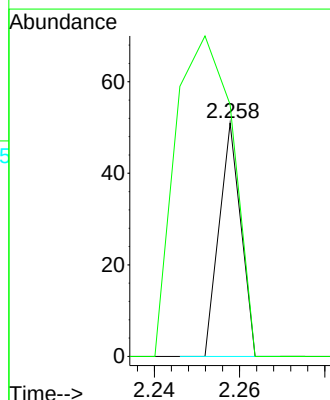
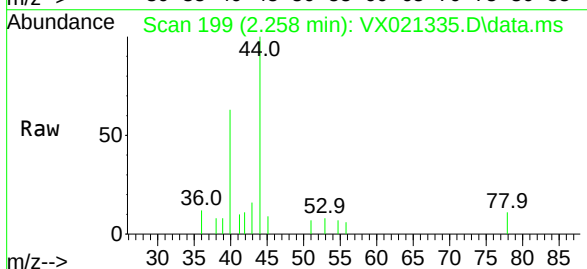
Acq: 20 Mar 2021 08:36

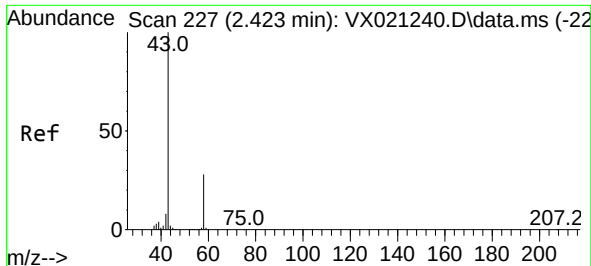
Tgt Ion: 56 Resp: 18

Ion Ratio Lower Upper

56 100

55 361.1 56.4 84.6#

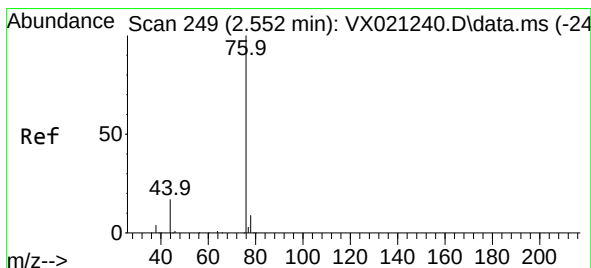
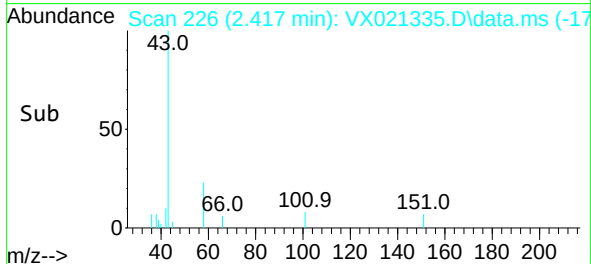
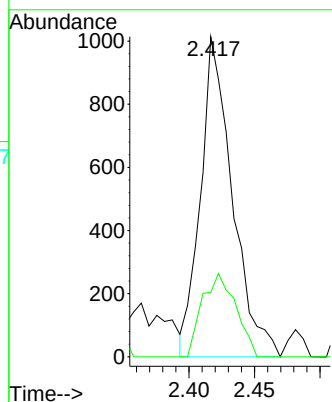
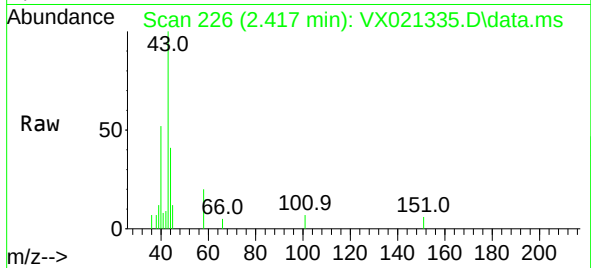




#16
Acetone
Concen: 3.73 ug/l
RT: 2.417 min Scan# 226
Delta R.T. -0.006 min
Lab File: VX021335.D
Acq: 20 Mar 2021 08:36

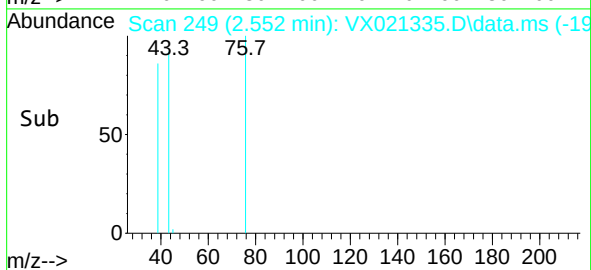
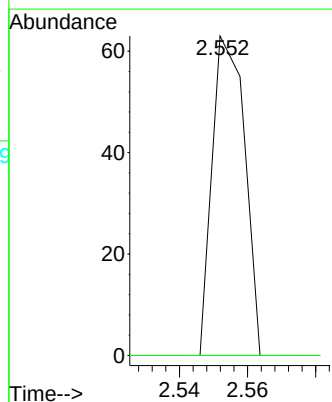
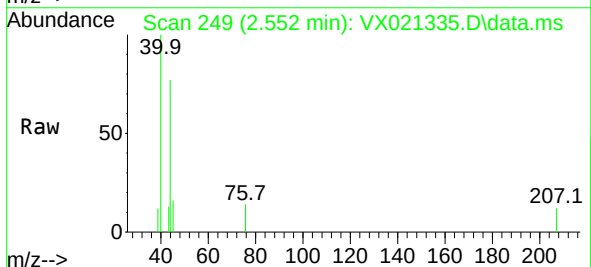
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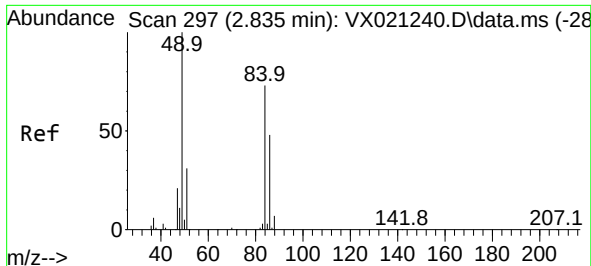
Tgt Ion: 43 Resp: 1716
Ion Ratio Lower Upper
43 100
58 20.1 27.8 41.8#



#17
Carbon Disulfide
Concen: 0.55 ug/l
RT: 2.552 min Scan# 249
Delta R.T. -0.000 min
Lab File: VX021335.D
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Tgt Ion: 76 Resp: 42
Ion Ratio Lower Upper
76 100
78 0.0 7.2 10.8#





#20

Methylene Chloride

Concen: 0.56 ug/l

RT: 2.834 min Scan# 297

Delta R.T. -0.001 min

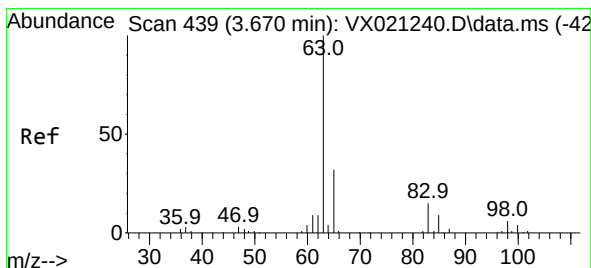
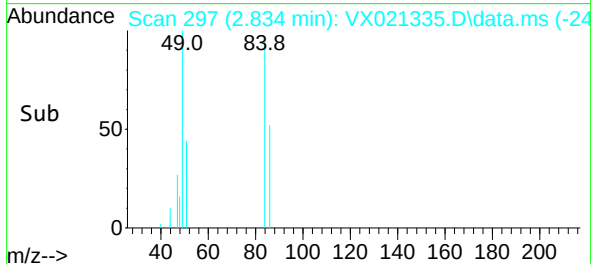
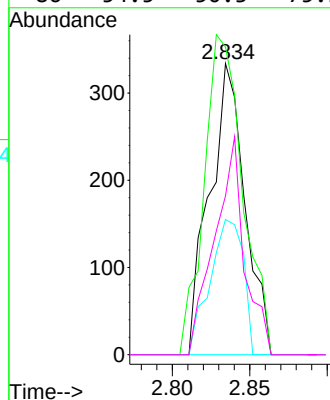
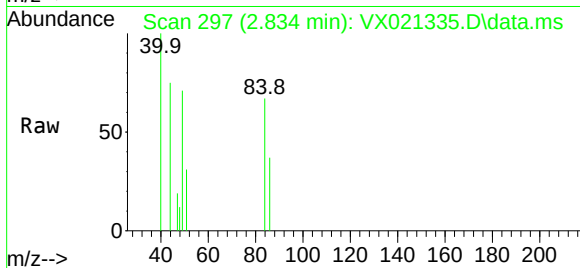
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Tgt Ion: 84 Resp: 530

Ion	Ratio	Lower	Upper
84	100		
49	105.7	88.6	132.8
51	46.4	27.0	40.6#
86	54.5	50.3	75.5



#24

1,1-Dichloroethane

Concen: 1.38 ug/l

RT: 3.676 min Scan# 440

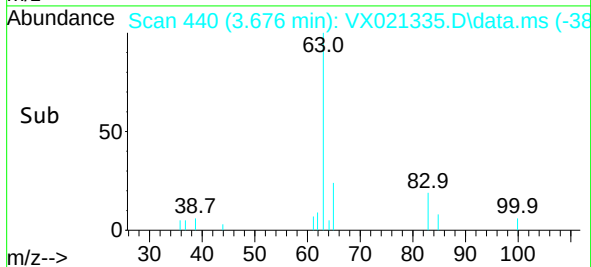
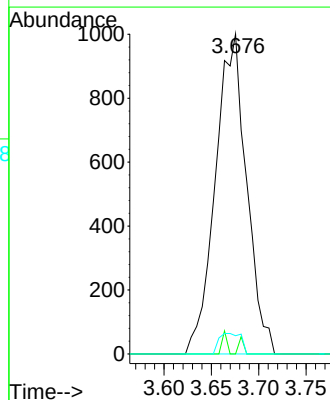
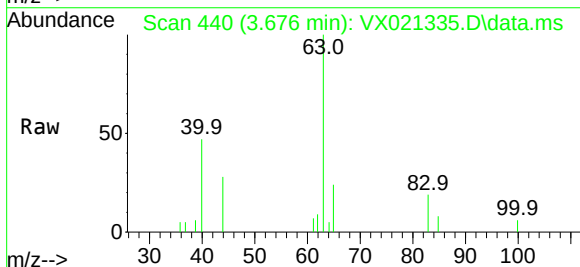
Delta R.T. 0.006 min

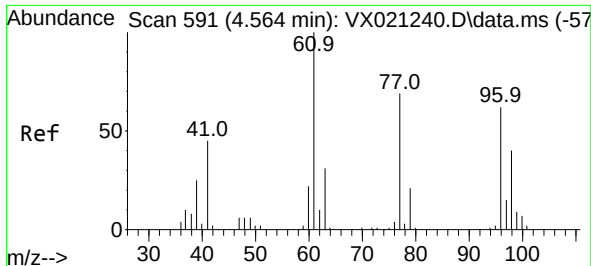
Lab File: VX021335.D

Acq: 20 Mar 2021 08:36

Tgt Ion: 63 Resp: 2291

Ion	Ratio	Lower	Upper
63	100		
98	0.0	3.8	11.2#
100	5.7	2.5	7.5





#27

cis-1,2-Dichloroethene

Concen: 2.27 ug/l

RT: 4.558 min Scan# 590

Delta R.T. -0.006 min

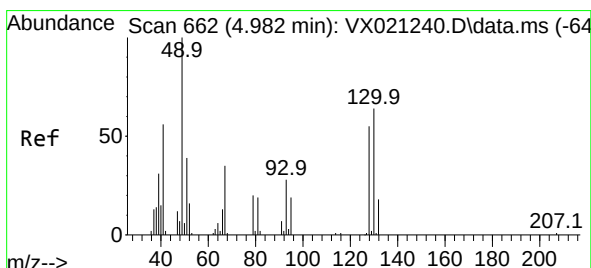
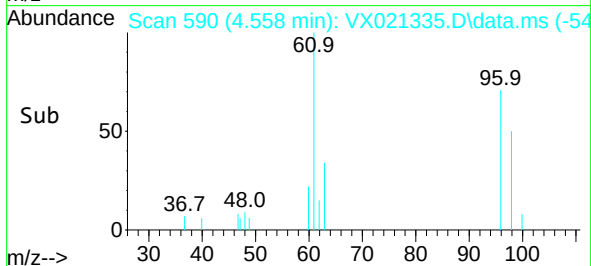
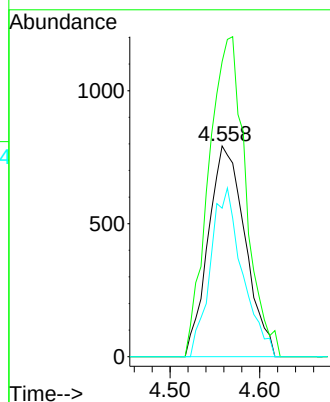
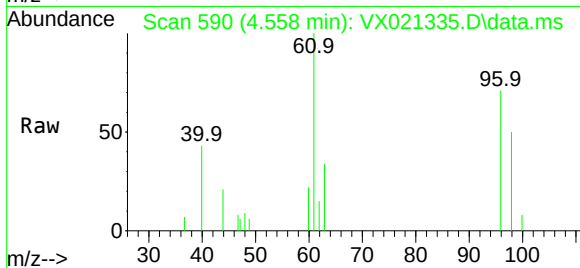
Lab File: VX021335.D

Acq: 20 Mar 2021 08:36

Tgt Ion: 96 Resp: 2264

Ion	Ratio	Lower	Upper
96	100		
61	152.3	0.0	285.6
98	69.3	0.0	129.6

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#28

Bromochloromethane

Concen: 0.22 ug/l

RT: 5.176 min Scan# 695

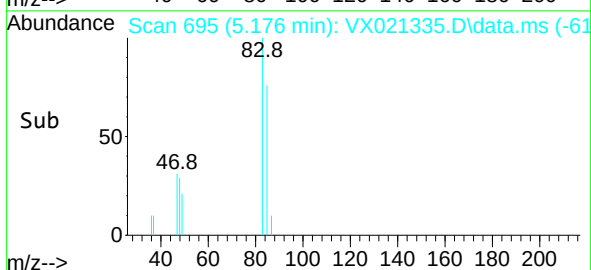
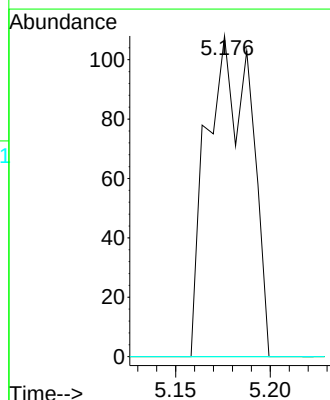
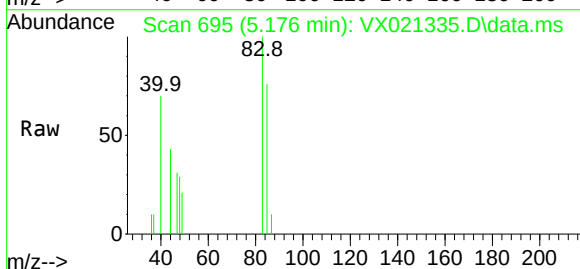
Delta R.T. 0.194 min

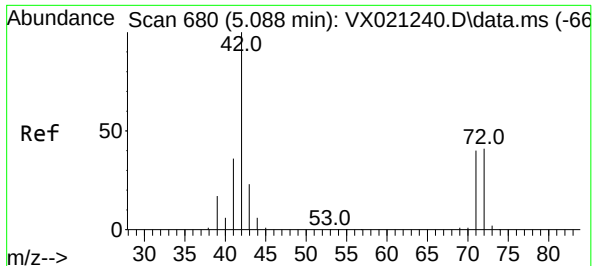
Lab File: VX021335.D

Acq: 20 Mar 2021 08:36

Tgt Ion: 49 Resp: 174

Ion	Ratio	Lower	Upper
49	100		
129	0.0	0.0	4.0
130	0.0	68.2	102.2#





#29

Tetrahydrofuran

Concen: 0.49 ug/l

RT: 5.099 min Scan# 682

Delta R.T. 0.011 min

Lab File: VX021335.D

Acq: 20 Mar 2021 08:36

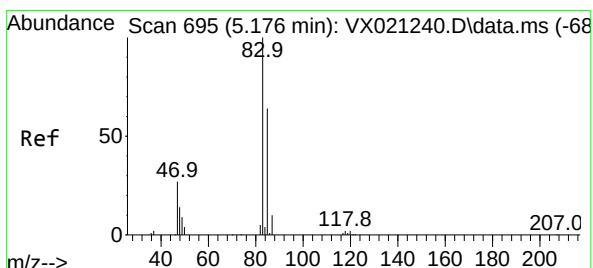
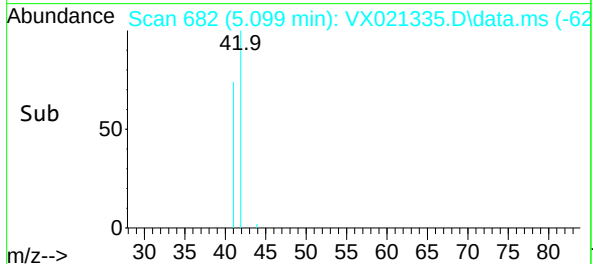
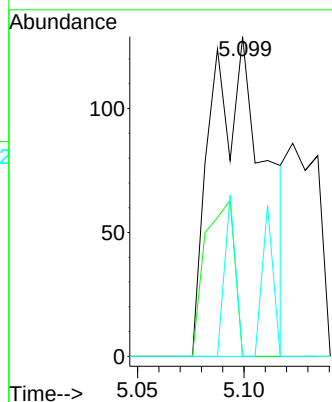
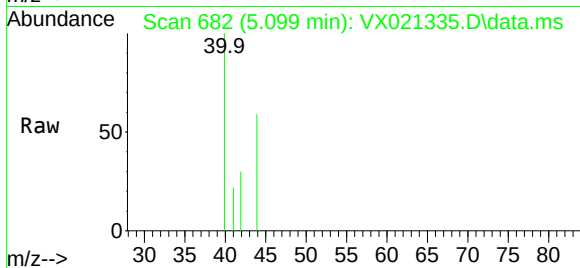
Tgt Ion: 42 Resp: 227

Ion Ratio Lower Upper

42 100

72 26.4 41.7 62.5#

71 10.1 38.4 57.6#



#30

Chloroform

Concen: 0.88 ug/l

RT: 5.176 min Scan# 695

Delta R.T. -0.000 min

Lab File: VX021335.D

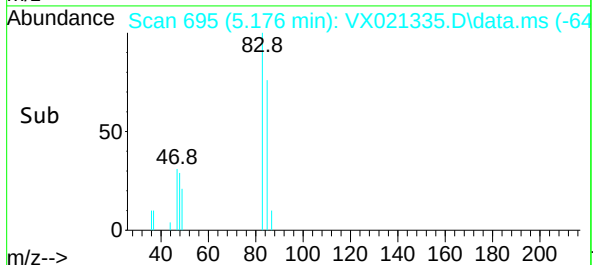
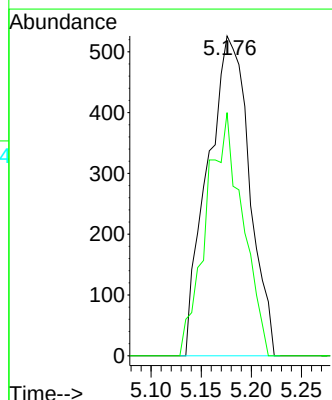
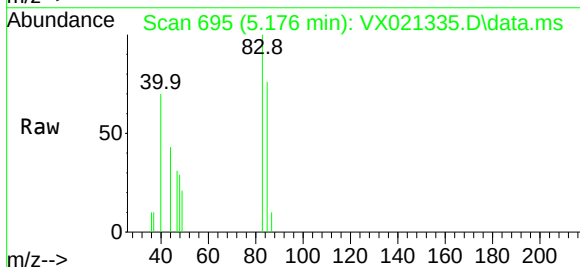
Acq: 20 Mar 2021 08:36

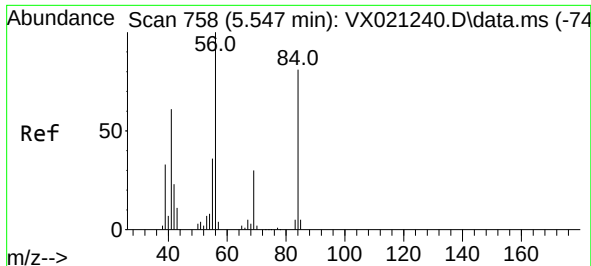
Tgt Ion: 83 Resp: 1527

Ion Ratio Lower Upper

83 100

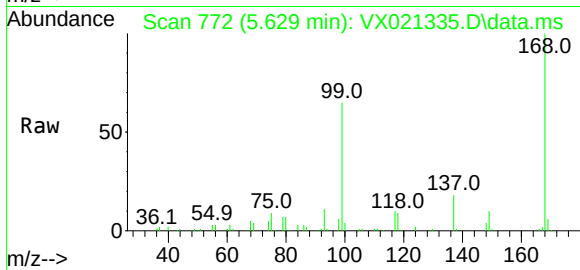
85 76.0 52.0 78.0



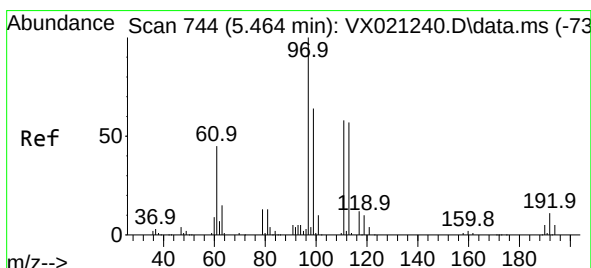
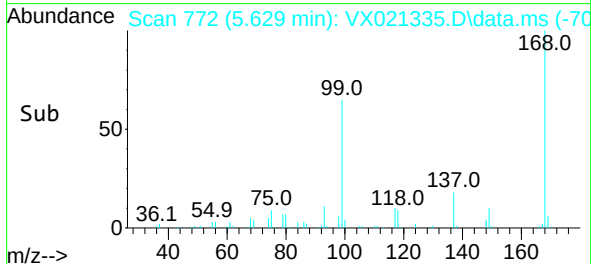
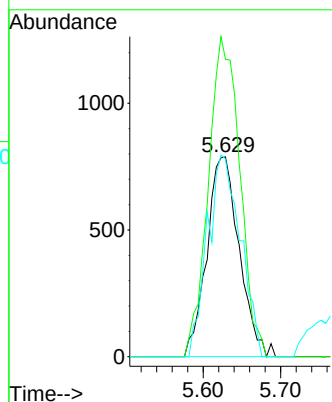


#31
Cyclohexane
Concen: 1.51 ug/l
RT: 5.629 min Scan# 772
Delta R.T. 0.082 min
Lab File: VX021335.D
Acq: 20 Mar 2021 08:36

Instrument :
MSVOA_X
ClientSampleId :
TT101D1-20210316

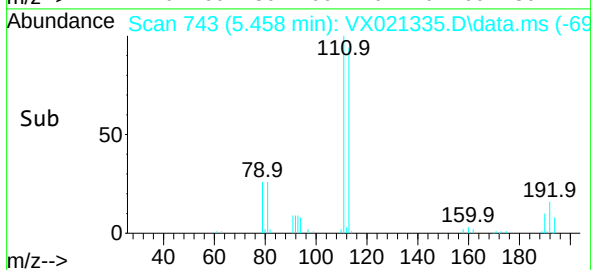
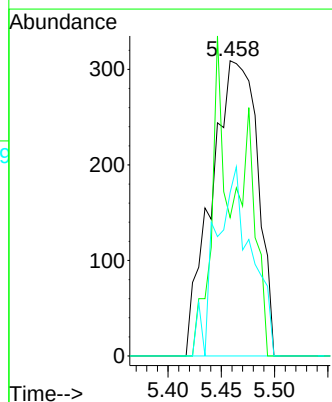
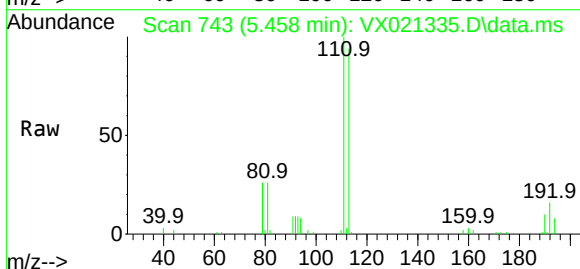


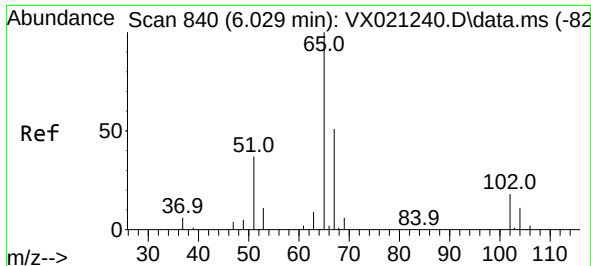
Tgt Ion: 56 Resp: 2285
Ion Ratio Lower Upper
56 100
69 148.8 25.3 37.9#
84 98.9 71.4 107.0



#32
1,1,1-Trichloroethane
Concen: 0.61 ug/l
RT: 5.458 min Scan# 743
Delta R.T. -0.006 min
Lab File: VX021335.D
Acq: 20 Mar 2021 08:36

Tgt Ion: 97 Resp: 934
Ion Ratio Lower Upper
97 100
99 0.0 51.5 77.3#
61 49.5 34.2 51.4





#33

1,2-Dichloroethane-d4

Concen: 49.35 ug/l

RT: 6.035 min Scan# 841

Delta R.T. 0.006 min

Lab File: VX021335.D

Acq: 20 Mar 2021 08:36

Tgt Ion: 65 Resp: 61709

Ion Ratio Lower Upper

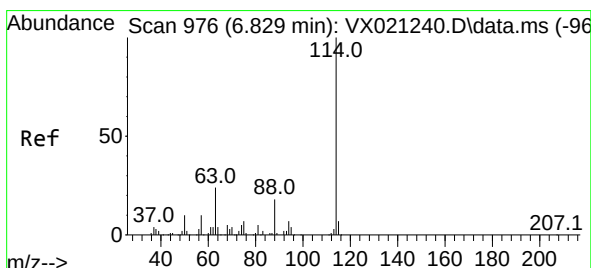
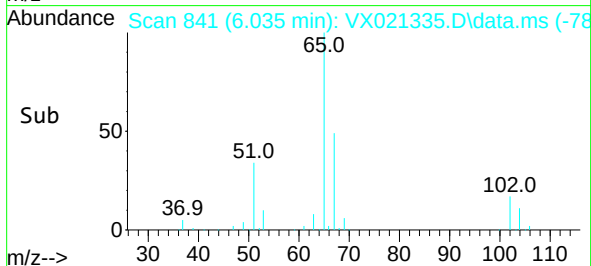
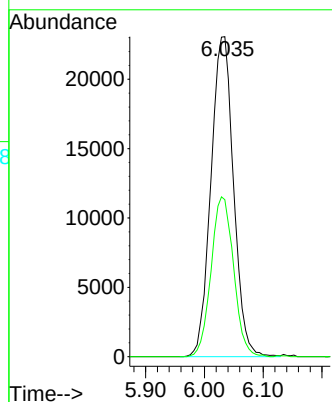
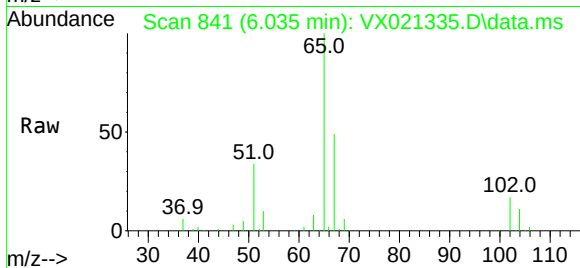
65	100		
67	49.7	0.0	105.4

Instrument :

MSVOA_X

ClientSampleId :

TT101D1-20210316



#34

1,4-Difluorobenzene

Concen: 50.00 ug/l

RT: 6.835 min Scan# 977

Delta R.T. 0.006 min

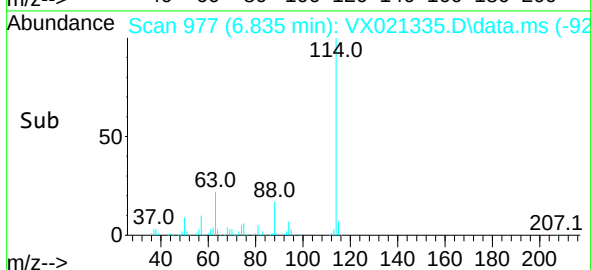
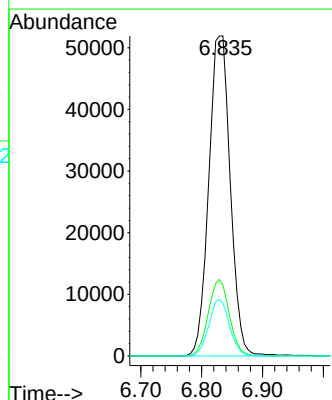
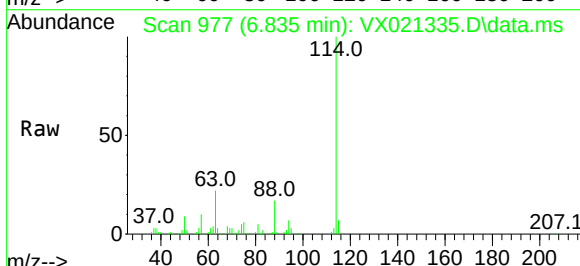
Lab File: VX021335.D

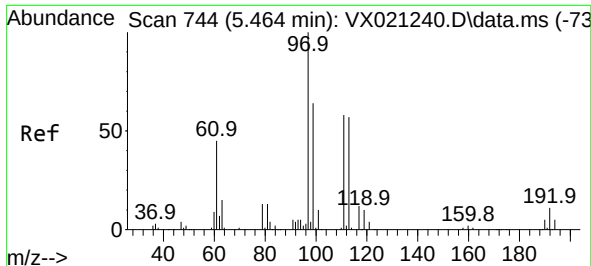
Acq: 20 Mar 2021 08:36

Tgt Ion: 114 Resp: 127487

Ion Ratio Lower Upper

114	100		
63	22.1	0.0	40.8
88	16.6	0.0	32.8

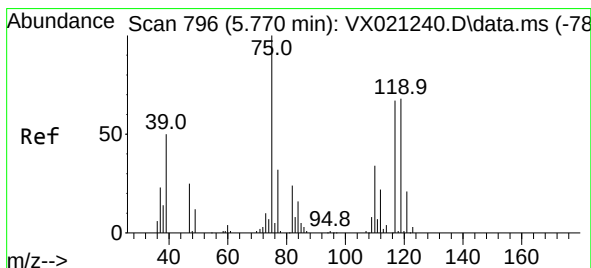
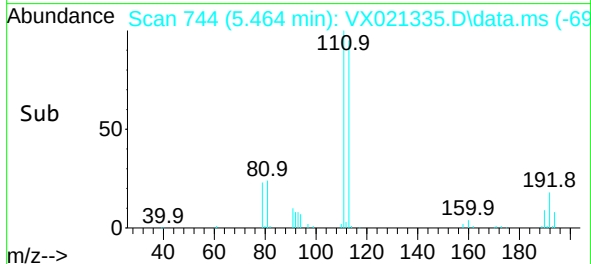
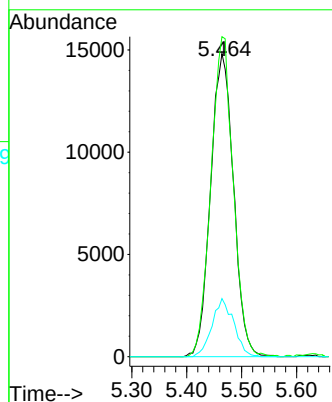
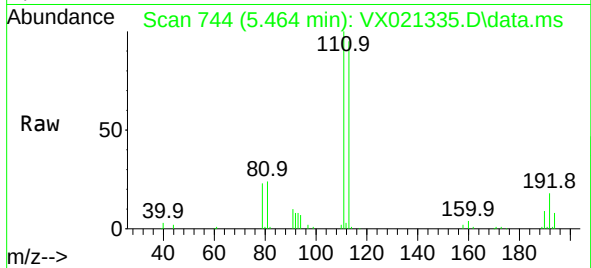




#35
Dibromofluoromethane
Concen: 49.59 ug/l
RT: 5.464 min Scan# 744
Delta R.T. 0.000 min
Lab File: VX021335.D
Acq: 20 Mar 2021 08:36

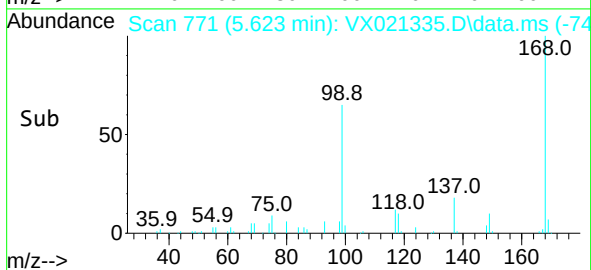
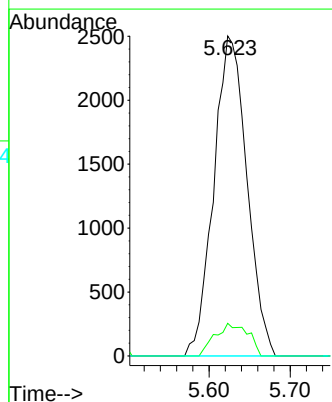
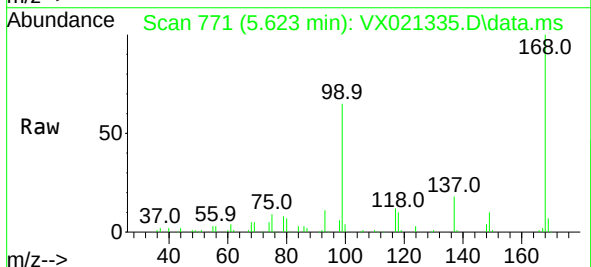
Instrument :
MSVOA_X
ClientSampleId :
TT101D1-20210316

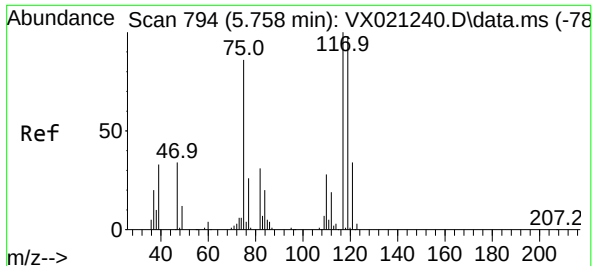
Tgt Ion:113 Resp: 43020
Ion Ratio Lower Upper
113 100
111 102.7 81.9 122.9
192 18.1 16.7 25.1



#36
1,1-Dichloropropene
Concen: 5.53 ug/l
RT: 5.623 min Scan# 771
Delta R.T. -0.147 min
Lab File: VX021335.D
Acq: 20 Mar 2021 08:36

Tgt Ion: 75 Resp: 7104
Ion Ratio Lower Upper
75 100
110 10.1 18.1 54.4#
77 0.0 25.3 37.9#

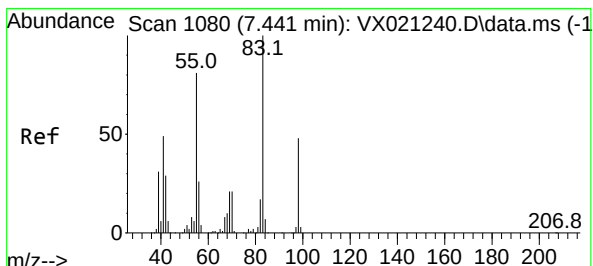
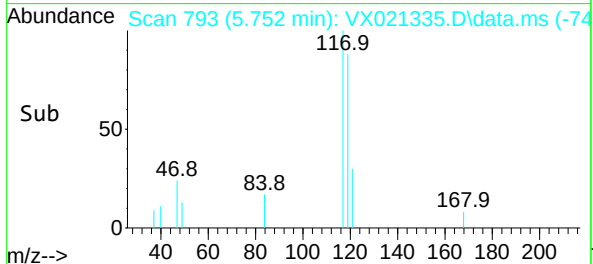
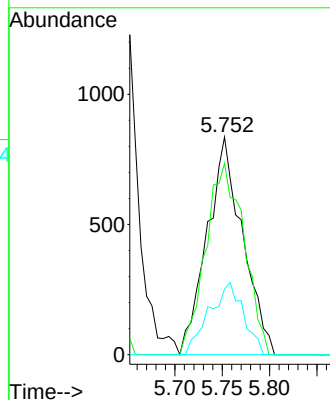
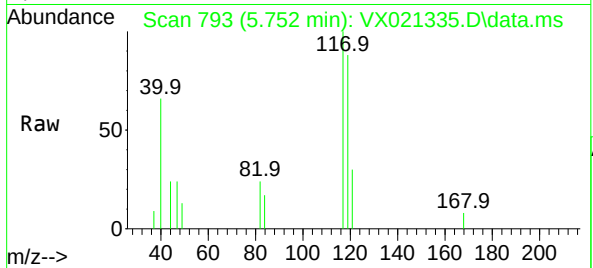




#38
Carbon Tetrachloride
Concen: 1.64 ug/l
RT: 5.752 min Scan# 793
Delta R.T. -0.006 min
Lab File: VX021335.D
Acq: 20 Mar 2021 08:36

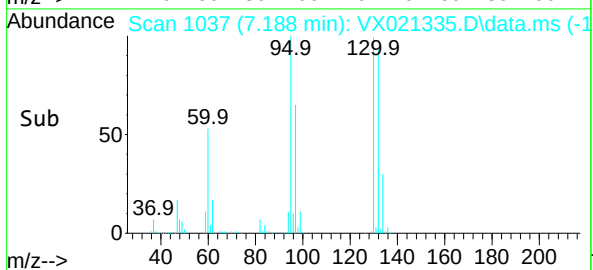
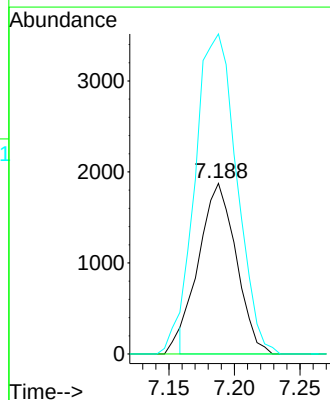
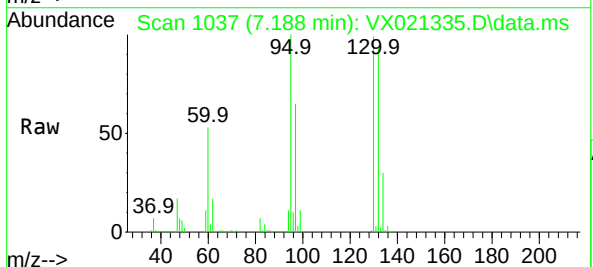
Instrument :
MSVOA_X
ClientSampleId :
TT101D1-20210316

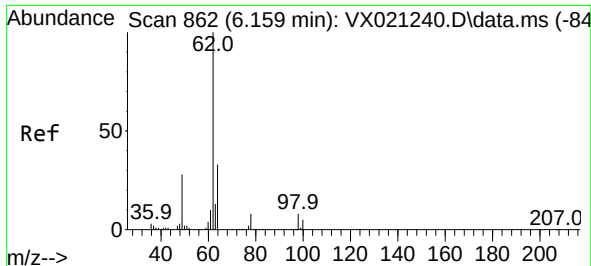
Tgt Ion:117 Resp: 2183
Ion Ratio Lower Upper
117 100
119 87.9 76.2 114.2
121 30.0 24.8 37.2



#39
Methylcyclohexane
Concen: 2.57 ug/l
RT: 7.188 min Scan# 1037
Delta R.T. -0.253 min
Lab File: VX021335.D
Acq: 20 Mar 2021 08:36

Tgt Ion: 83 Resp: 3670
Ion Ratio Lower Upper
83 100
55 0.0 58.9 88.3#
98 187.5 38.1 57.1#





#42

1,2-Dichloroethane

Concen: 0.32 ug/l

RT: 6.164 min Scan# 863

Delta R.T. 0.005 min

Lab File: VX021335.D

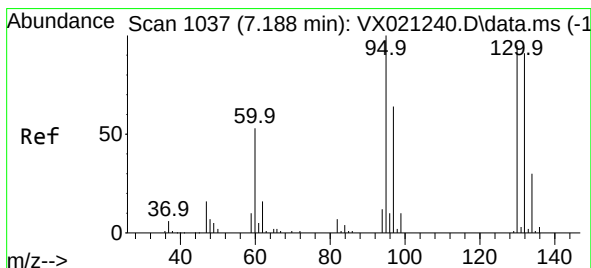
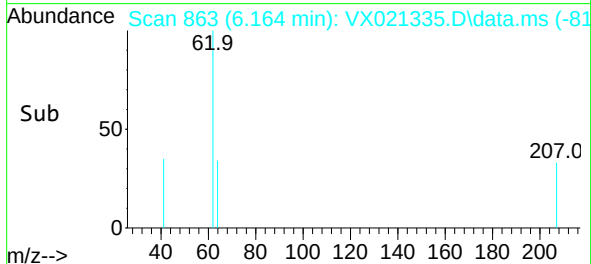
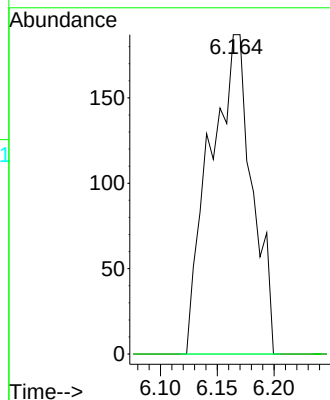
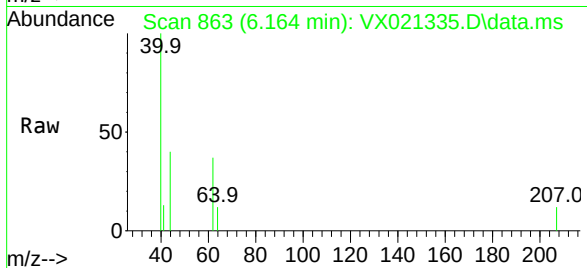
Acq: 20 Mar 2021 08:36

Tgt Ion: 62 Resp: 482

Ion Ratio Lower Upper

62 100

98 0.0 0.0 20.2



#44

Trichloroethene

Concen: 298.78 ug/l

RT: 7.188 min Scan# 1037

Delta R.T. -0.000 min

Lab File: VX021335.D

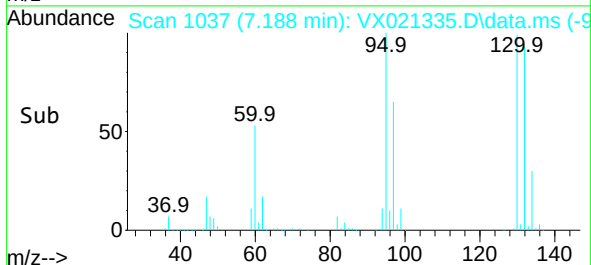
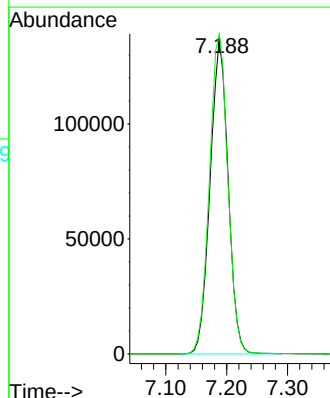
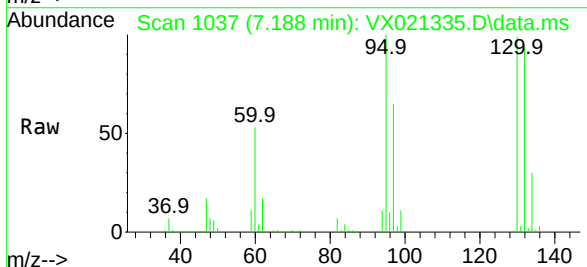
Acq: 20 Mar 2021 08:36

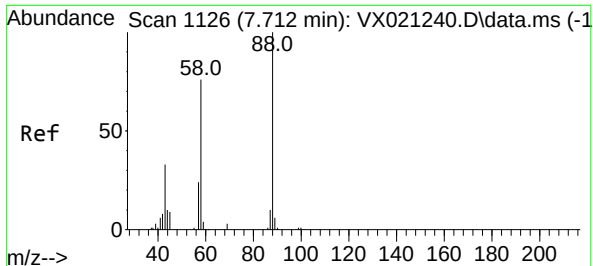
Tgt Ion:130 Resp: 280941

Ion Ratio Lower Upper

130 100

95 101.4 0.0 198.0

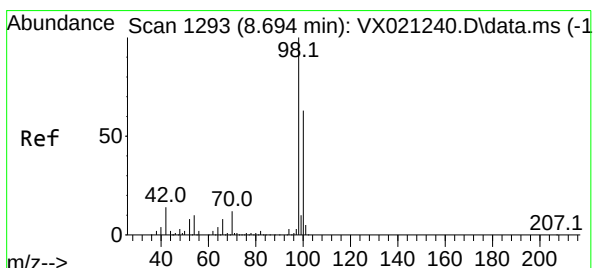
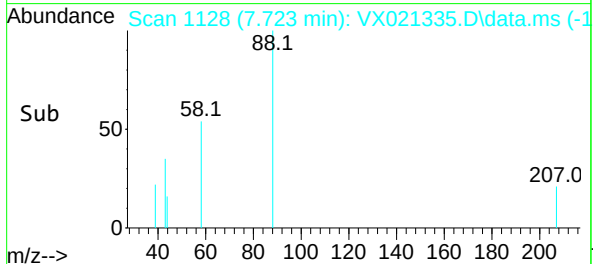
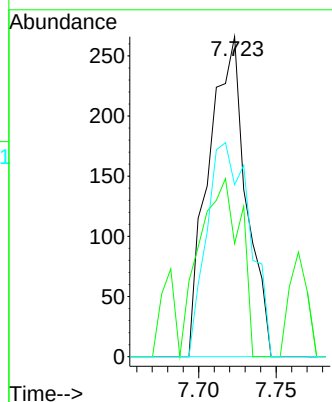
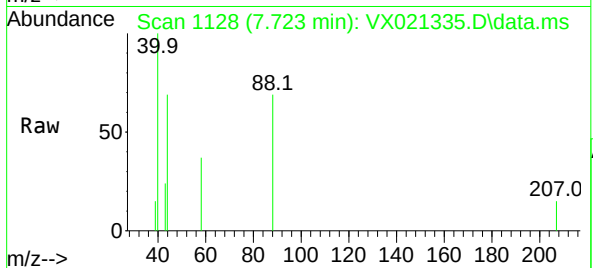




#49
1,4-Dioxane
Concen: 9.27 ug/l
RT: 7.723 min Scan# 1128
Delta R.T. 0.011 min
Lab File: VX021335.D
Acq: 20 Mar 2021 08:36

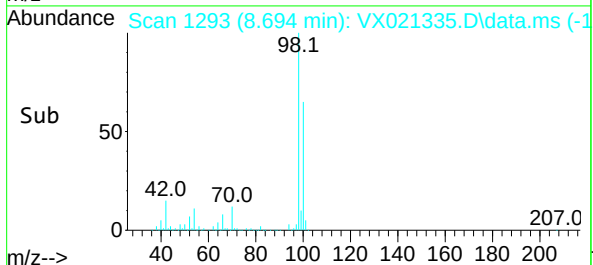
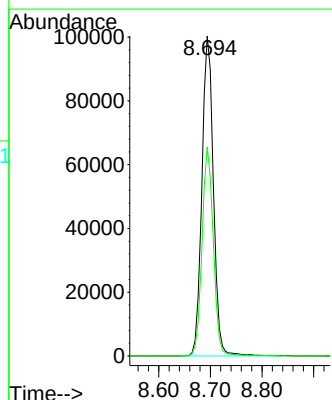
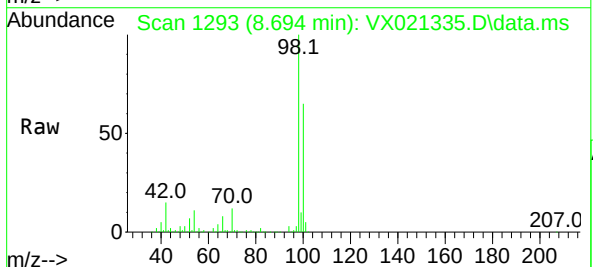
Instrument :
MSVOA_X
ClientSampleId :
TT101D1-20210316

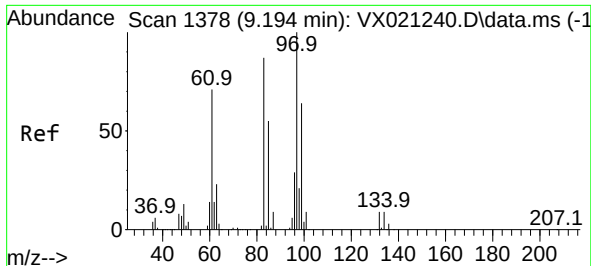
Tgt Ion: 88 Resp: 449
Ion Ratio Lower Upper
88 100
43 60.8 23.2 34.8#
58 76.4 55.0 82.4



#50
Toluene-d8
Concen: 49.32 ug/l
RT: 8.694 min Scan# 1293
Delta R.T. -0.000 min
Lab File: VX021335.D
Acq: 20 Mar 2021 08:36

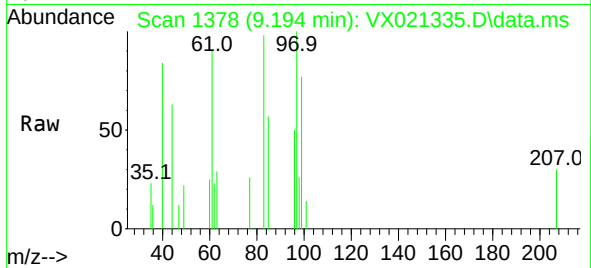
Tgt Ion: 98 Resp: 155253
Ion Ratio Lower Upper
98 100
100 64.1 51.9 77.9



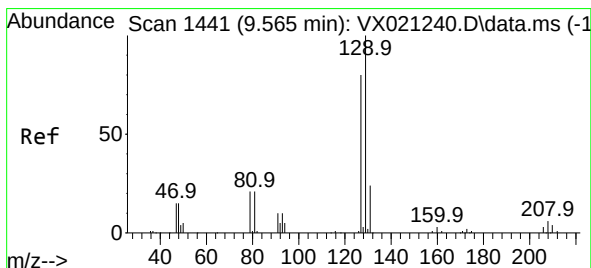
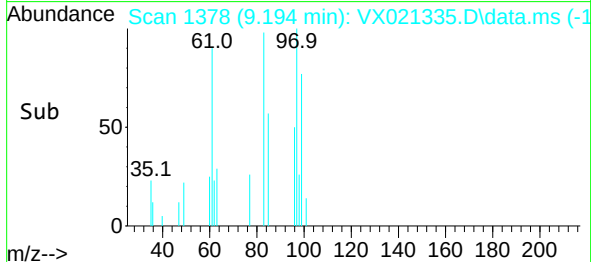
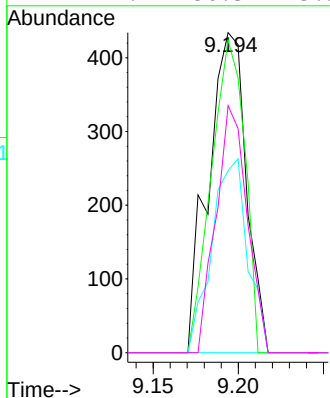


#55
1,1,2-Trichloroethane
Concen: 0.75 ug/l
RT: 9.194 min Scan# 1378
Delta R.T. -0.000 min
Lab File: VX021335.D
Acq: 20 Mar 2021 08:36

Instrument :
MSVOA_X
ClientSampleId :
TT101D1-20210316

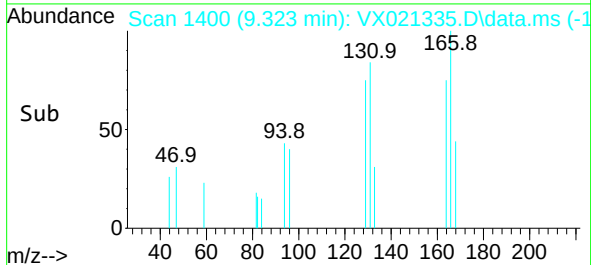
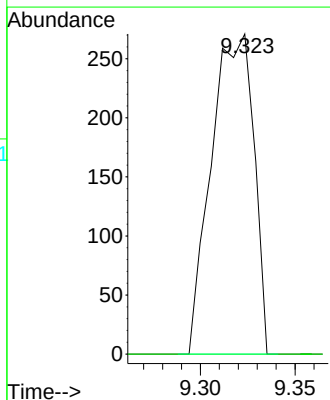
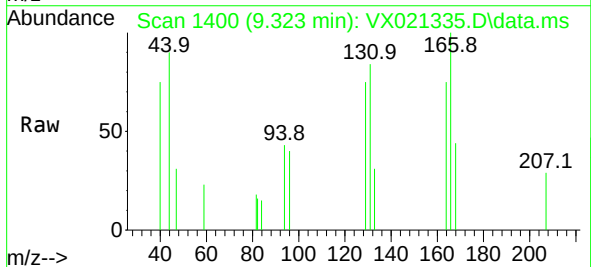


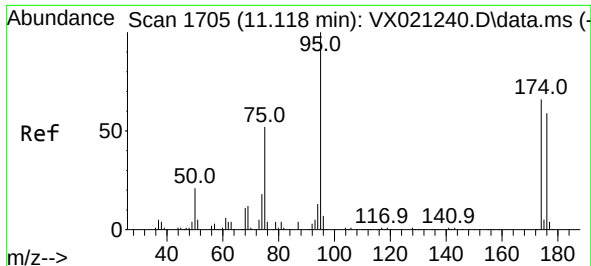
Tgt Ion: 97	Resp: 675
Ion Ratio	Lower Upper
97 100	
83 97.7	69.3 103.9
85 56.9	44.3 66.5
99 77.2	50.3 75.5#



#60
Dibromochloromethane
Concen: 0.41 ug/l
RT: 9.323 min Scan# 1400
Delta R.T. -0.242 min
Lab File: VX021335.D
Acq: 20 Mar 2021 08:36

Tgt Ion:129	Resp:	423	
Ion	Ratio	Lower	Upper
129	100		
127	0.0	38.4	115.2#

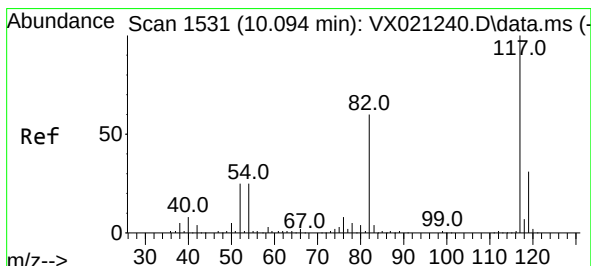
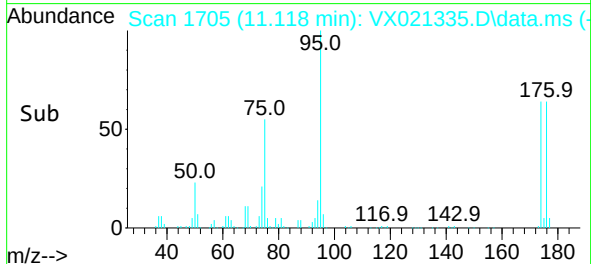
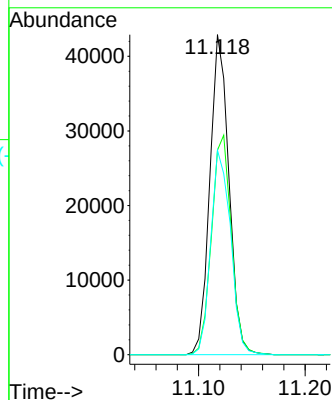
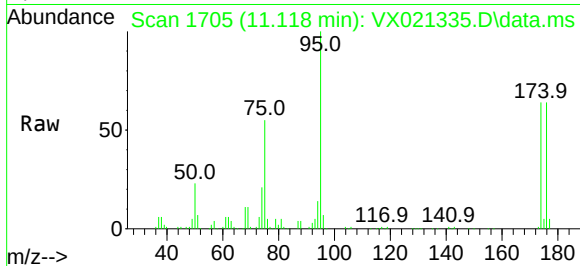




#62
4-Bromofluorobenzene
Concen: 43.59 ug/l
RT: 11.118 min Scan# 1705
Delta R.T. -0.000 min
Lab File: VX021335.D
Acq: 20 Mar 2021 08:36

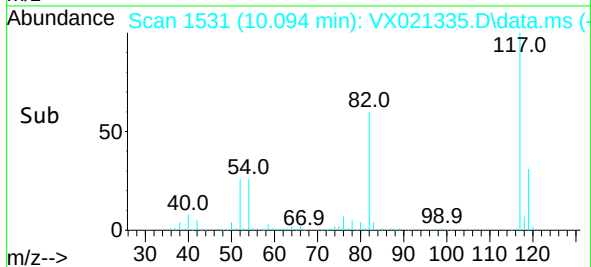
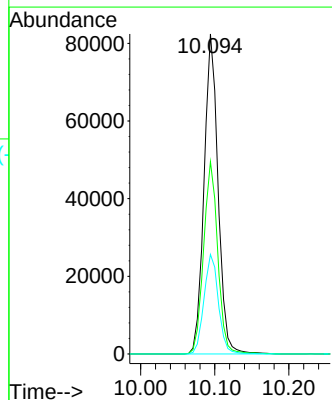
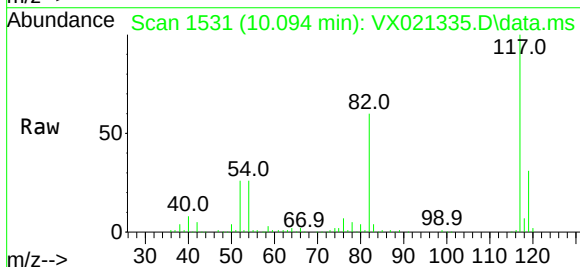
Instrument :
MSVOA_X
ClientSampleId :
TT101D1-20210316

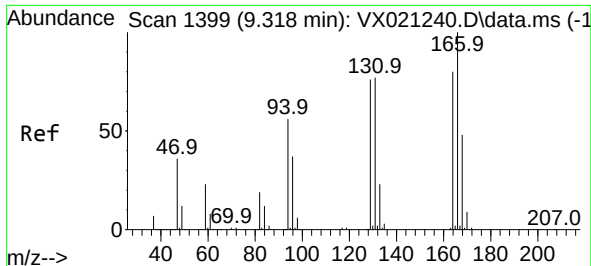
Tgt Ion: 95 Resp: 53284
Ion Ratio Lower Upper
95 100
174 71.3 0.0 154.6
176 66.5 0.0 155.8



#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 10.094 min Scan# 1531
Delta R.T. 0.000 min
Lab File: VX021335.D
Acq: 20 Mar 2021 08:36

Tgt Ion: 117 Resp: 108468
Ion Ratio Lower Upper
117 100
82 60.1 47.4 71.2
119 31.1 26.6 39.8

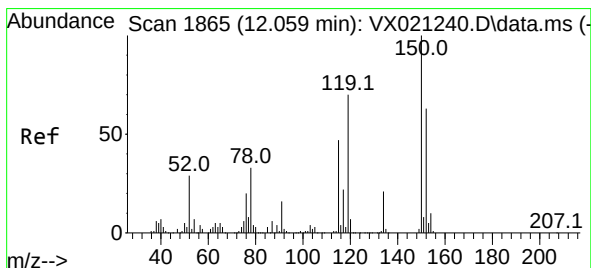
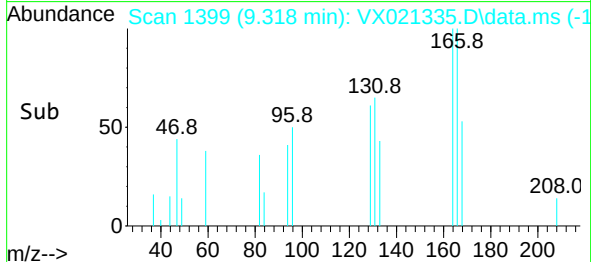
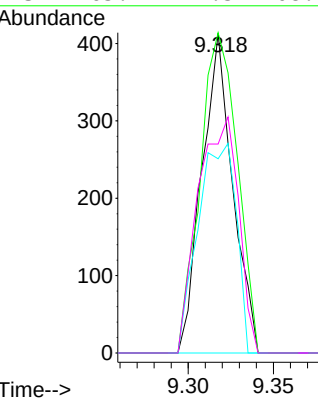
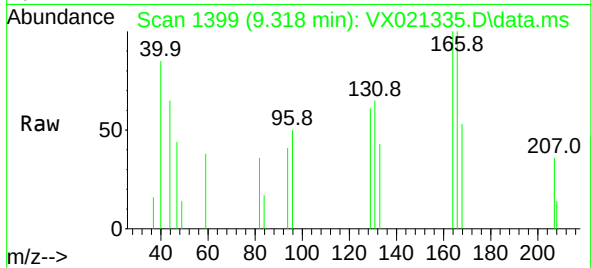




#64
Tetrachloroethene
Concen: 0.64 ug/l
RT: 9.318 min Scan# 1399
Delta R.T. -0.000 min
Lab File: VX021335.D
Acq: 20 Mar 2021 08:36

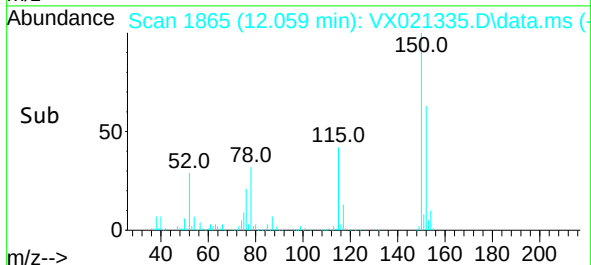
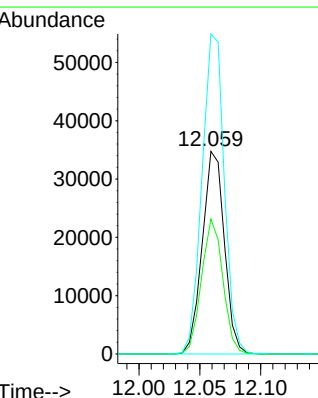
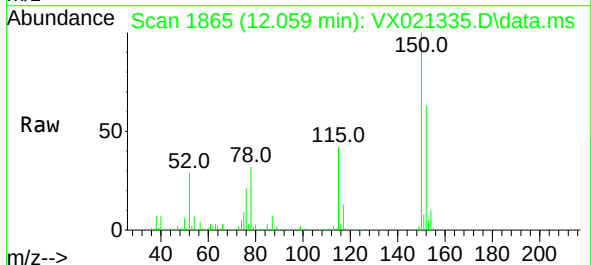
Instrument :
MSVOA_X
ClientSampleId :
TT101D1-20210316

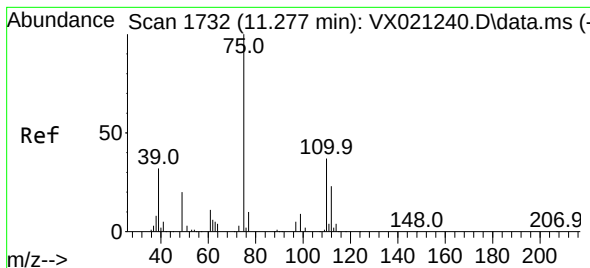
Tgt Ion:	164	Resp:	520
Ion	Ratio	Lower	Upper
164	100		
166	100.2	103.4	155.2#
129	60.8	70.8	106.2#
131	65.4	72.5	108.7#



#72
1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 12.059 min Scan# 1865
Delta R.T. 0.000 min
Lab File: VX021335.D
Acq: 20 Mar 2021 08:36

Tgt Ion:	152	Resp:	43900
Ion	Ratio	Lower	Upper
152	100		
115	64.4	41.1	123.3
150	159.2	0.0	349.0

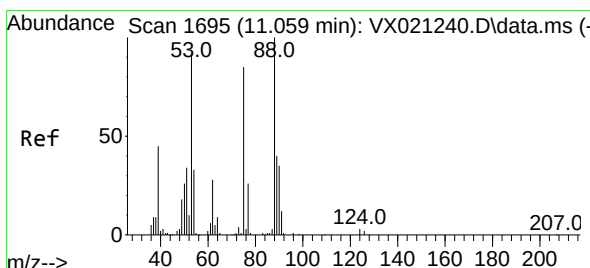
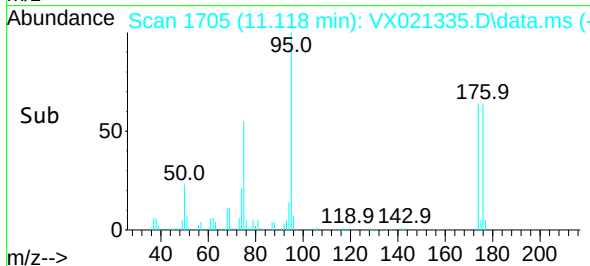
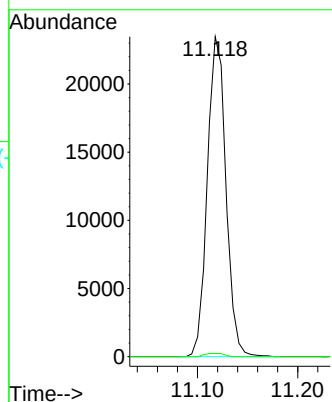
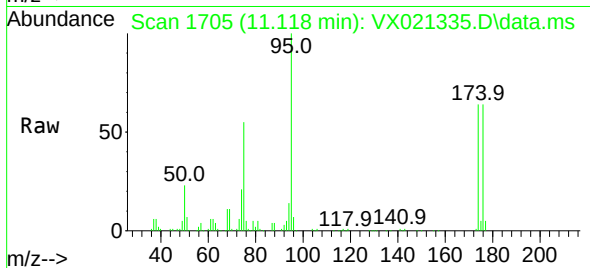




#76
1,2,3-Trichloropropane
Concen: 29.80 ug/l
RT: 11.118 min Scan# 1705
Delta R.T. -0.159 min
Lab File: VX021335.D
Acq: 20 Mar 2021 08:36

Instrument :
MSVOA_X
ClientSampleId :
TT101D1-20210316

Tgt Ion: 75 Resp: 30343
Ion Ratio Lower Upper
75 100
77 1.1 19.1 57.5#



#81
trans-1,4-Dichloro-2-butene
Concen: 80.90 ug/l
RT: 11.118 min Scan# 1705
Delta R.T. 0.059 min
Lab File: VX021335.D
Acq: 20 Mar 2021 08:36

Tgt Ion: 75 Resp: 30343
Ion Ratio Lower Upper
75 100
53 0.0 74.5 111.7#
89 0.0 37.9 56.9#

