

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN050421\
 Data File : VN066943.D
 Acq On : 4 May 2021 18:16
 Operator : JC/MD
 Sample : PB136139ZHE#06
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: May 05 05:26:37 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N050421W.M
 Quant Title : SW846 8260
 QLast Update : Tue May 04 13:11:03 2021
 Response via : Initial Calibration

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

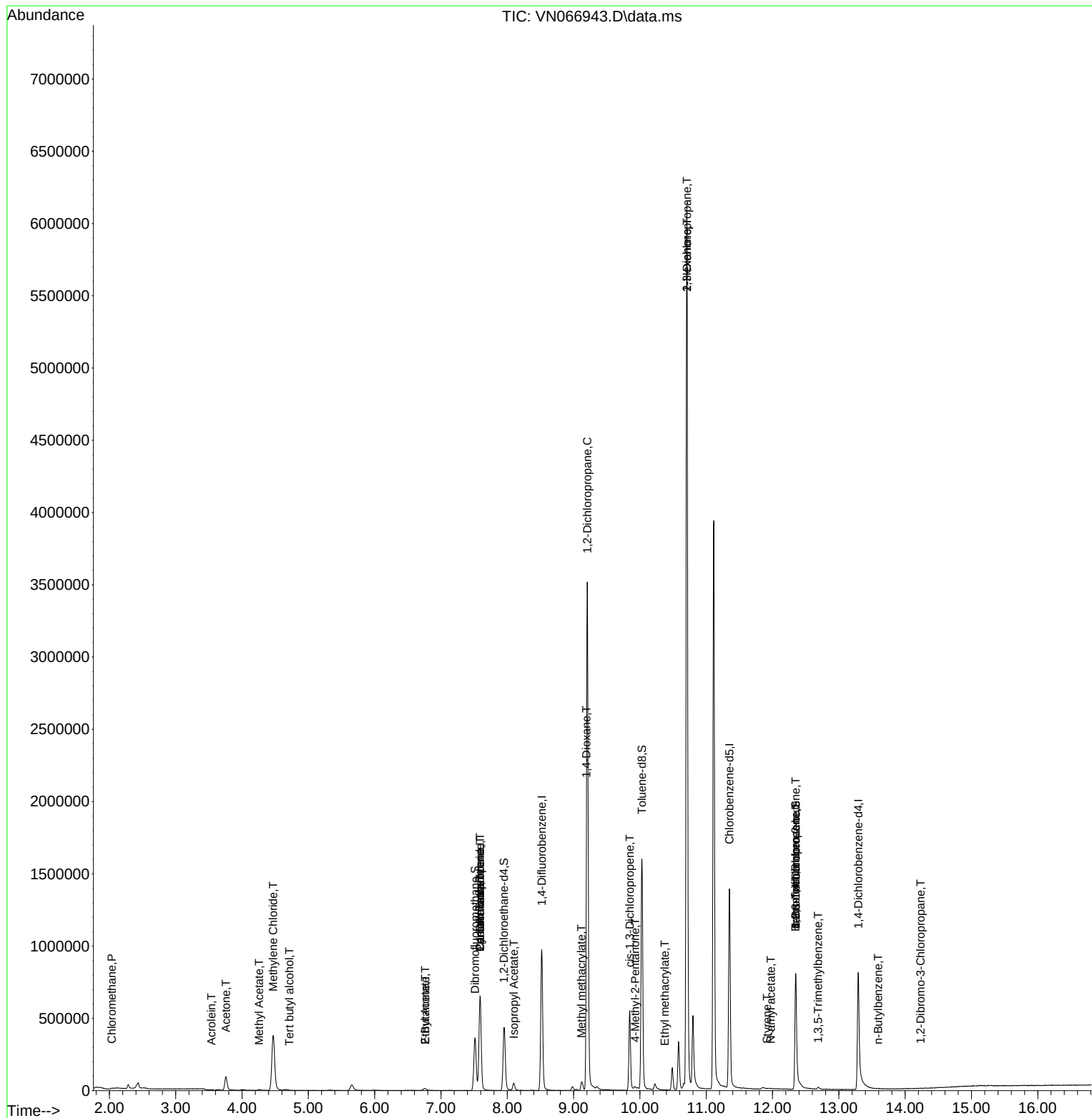
Internal Standards						
1) Pentafluorobenzene	7.589	168	497419	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.520	114	836066	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.350	117	798056	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.294	152	275127	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	7.951	65	391710	50.03	ug/l	0.00
Spiked Amount 50.000	Range 61 - 141		Recovery = 100.06%			
35) Dibromofluoromethane	7.514	113	278715	49.09	ug/l	0.00
Spiked Amount 50.000	Range 69 - 133		Recovery = 98.18%			
50) Toluene-d8	10.030	98	1106042	51.16	ug/l	0.00
Spiked Amount 50.000	Range 65 - 126		Recovery = 102.32%			
62) 4-Bromofluorobenzene	12.350	95	350483	47.87	ug/l	0.00
Spiked Amount 50.000	Range 58 - 135		Recovery = 95.74%			
Target Compounds						Qvalue
3) Chloromethane	2.035	50	2577	0.27	ug/l	100
11) Tert butyl alcohol	4.712	59	662	0.60	ug/l #	73
13) Acrolein	3.537	56	752	0.82	ug/l #	69
16) Acetone	3.757	43	155281	56.38	ug/l	98
18) Methyl Acetate	4.258	43	5565	0.71	ug/l	90
20) Methylene Chloride	4.470	84	285764	40.90	ug/l	91
25) 2-Butanone	6.763	43	11510	2.83	ug/l	98
31) Cyclohexane	7.589	56	12163	1.10	ug/l #	1
36) 1,1-Dichloropropene	7.589	75	43075	4.95	ug/l #	48
37) Ethyl Acetate	6.763	43	11510	1.30	ug/l #	69
38) Carbon Tetrachloride	7.589	117	51660	5.69	ug/l #	17
43) Isopropyl Acetate	8.099	43	61961	4.30	ug/l #	88
45) 1,2-Dichloropropane	9.209	63	4316	0.57	ug/l #	44
48) Methyl methacrylate	9.118	41	15109	2.37	ug/l #	10
49) 1,4-Dioxane	9.193	88	164	1.62	ug/l #	1
51) 4-Methyl-2-Pentanone	9.928	43	16784	2.02	ug/l #	68
54) cis-1,3-Dichloropropene	9.848	75	99413	8.67	ug/l #	62
56) Ethyl methacrylate	10.376	69	265	5.21	ug/l #	27
57) 1,3-Dichloropropane	10.709	76	62355	5.52	ug/l #	44
59) 2-Hexanone	10.709	43	903377	159.97	ug/l #	50
70) Styrene	11.915	104	52	4.71	ug/l #	26
71) Bromoform	12.347	173	2198	0.46	ug/l #	1
74) N-amyl acetate	11.977	43	794	0.21	ug/l #	46
76) 1,2,3-Trichloropropane	12.350	75	172065	26.25	ug/l #	100
80) 1,3,5-Trimethylbenzene	12.688	105	8903	0.48	ug/l	95
81) trans-1,4-Dichloro-2-b...	12.350	75	172065	78.72	ug/l #	12
89) n-Butylbenzene	13.592	91	115	5.25	ug/l #	34
92) 1,2-Dibromo-3-Chloropr...	14.233	75	319	0.24	ug/l #	1

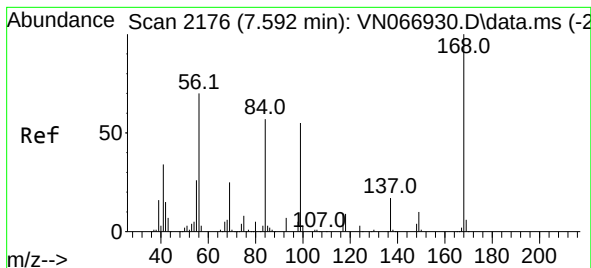
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN050421\
Data File : VN066943.D
Acq On : 4 May 2021 18:16
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Sample : PB136139ZHE#06
Misc : 5.00mL/MSVOA_N/WATER
ALS Vial : 20 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :

Quant Time: May 05 05:26:37 2021
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N050421W.M
Quant Title : SW846 8260
QLast Update : Tue May 04 13:11:03 2021
Response via : Initial Calibration



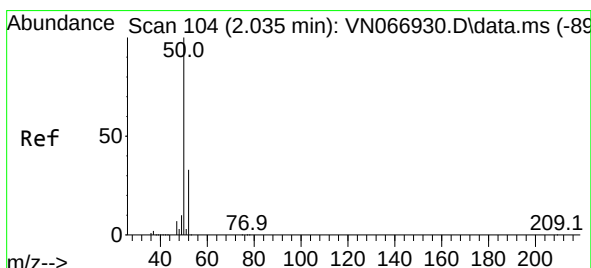
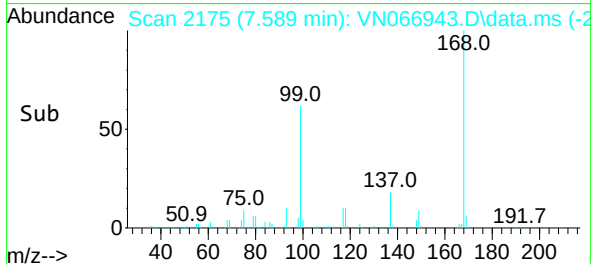
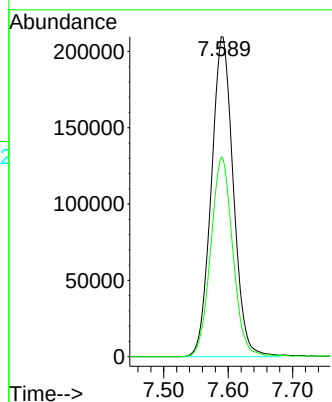
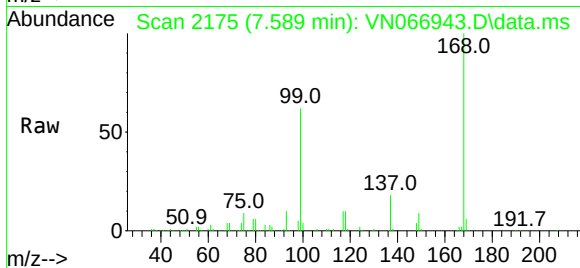


#1

Pentafluorobenzene
 Concen: 50.00 ug/l
 RT: 7.589 min Scan# 2175
 Delta R.T. -0.003 min
 Lab File: VN066943.D
 Acq: 4 May 2021 18:16

Instrument :
 MSVOA_N
 ClientSampled :

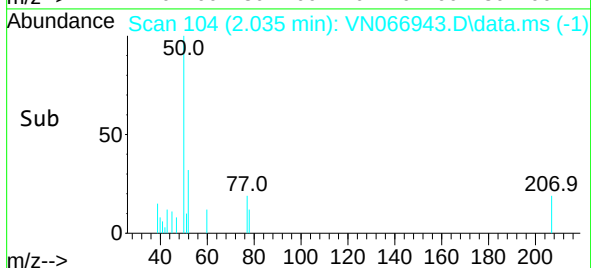
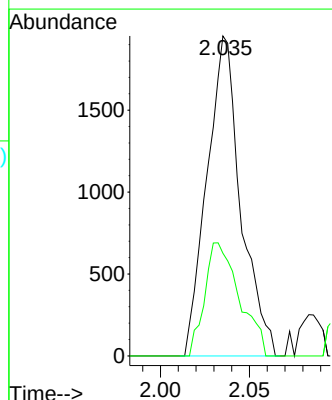
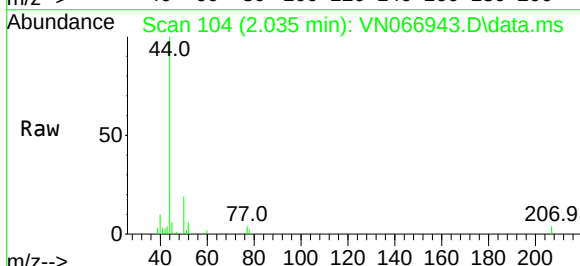
Tgt Ion:168 Resp: 497419
 Ion Ratio Lower Upper
 168 100
 99 62.4 42.6 63.8

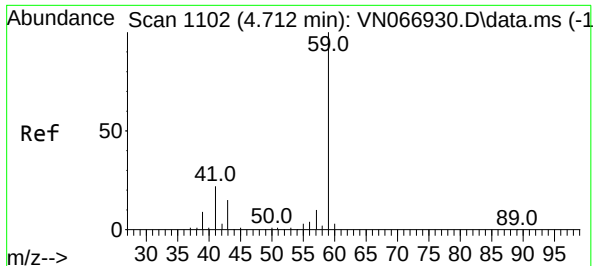


#3

Chloromethane
 Concen: 0.27 ug/l
 RT: 2.035 min Scan# 104
 Delta R.T. 0.000 min
 Lab File: VN066943.D
 Acq: 4 May 2021 18:16

Tgt Ion: 50 Resp: 2577
 Ion Ratio Lower Upper
 50 100
 52 32.1 25.8 38.8



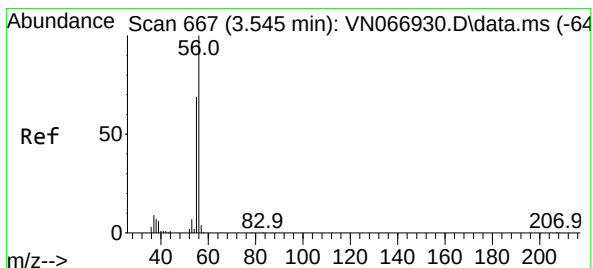
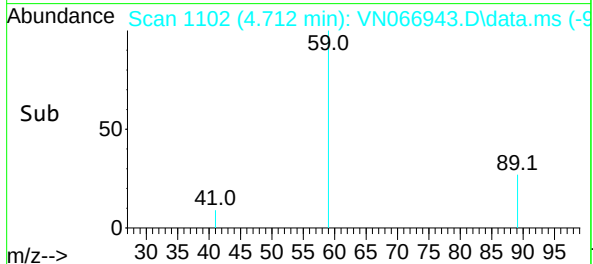
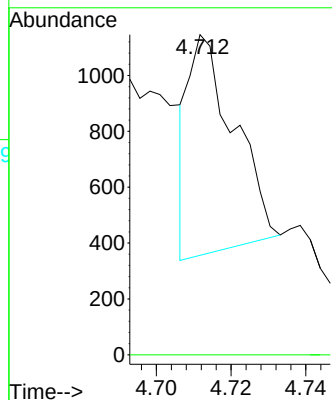
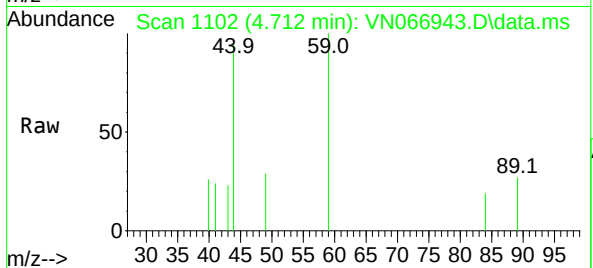


#11

Tert butyl alcohol
Concen: 0.60 ug/l
RT: 4.712 min Scan# 1102
Delta R.T. -0.000 min
Lab File: VN066943.D
Acq: 4 May 2021 18:16

Instrument :
MSVOA_N
ClientSampled :

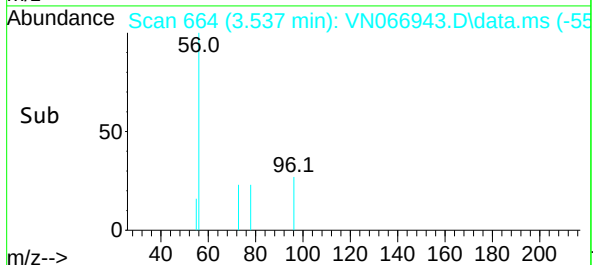
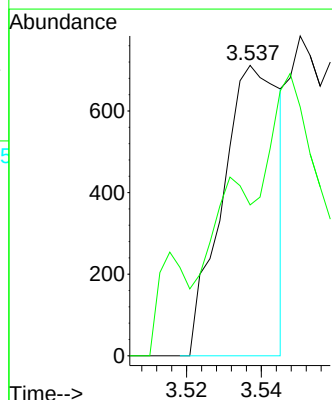
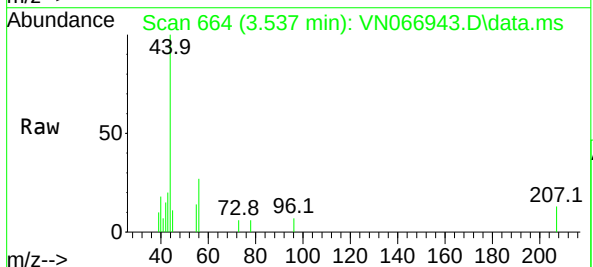
Tgt Ion: 59 Resp: 662
Ion Ratio Lower Upper
59 100
57 0.0 8.0 12.0#

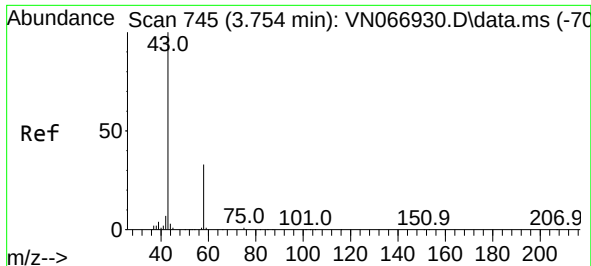


#13

Acrolein
Concen: 0.82 ug/l
RT: 3.537 min Scan# 664
Delta R.T. -0.008 min
Lab File: VN066943.D
Acq: 4 May 2021 18:16

Tgt Ion: 56 Resp: 752
Ion Ratio Lower Upper
56 100
55 44.3 56.0 84.0#

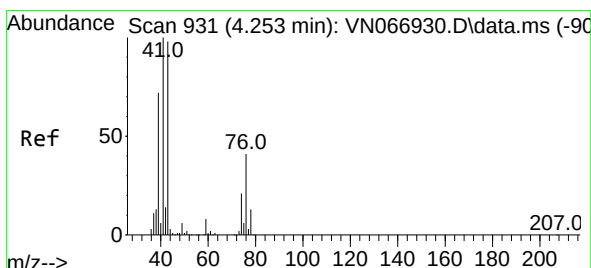
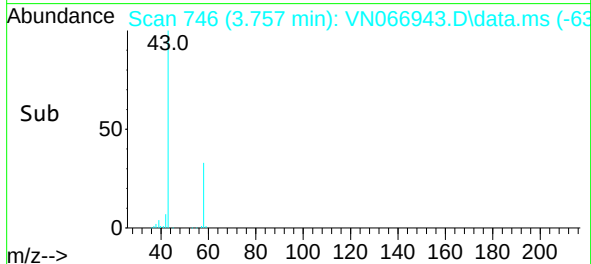
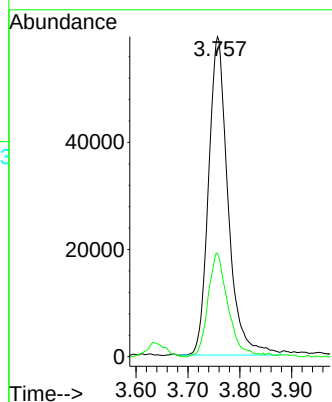
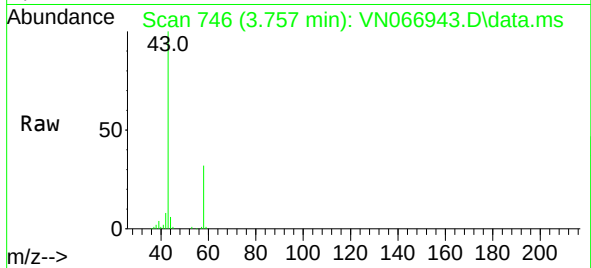




#16
Acetone
Concen: 56.38 ug/l
RT: 3.757 min Scan# 746
Delta R.T. 0.003 min
Lab File: VN066943.D
Acq: 4 May 2021 18:16

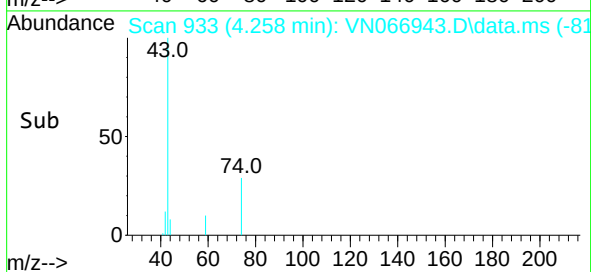
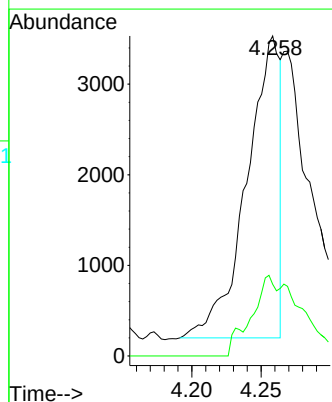
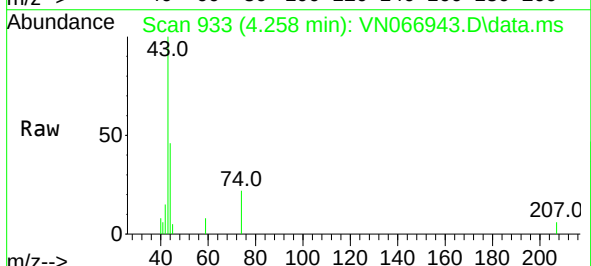
Instrument :
MSVOA_N
ClientSampled :

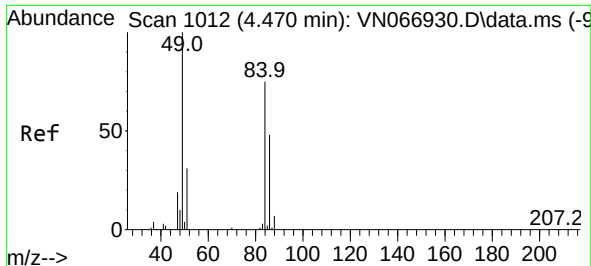
Tgt Ion: 43 Resp: 155281
Ion Ratio Lower Upper
43 100
58 32.5 27.0 40.6



#18
Methyl Acetate
Concen: 0.71 ug/l
RT: 4.258 min Scan# 933
Delta R.T. 0.005 min
Lab File: VN066943.D
Acq: 4 May 2021 18:16

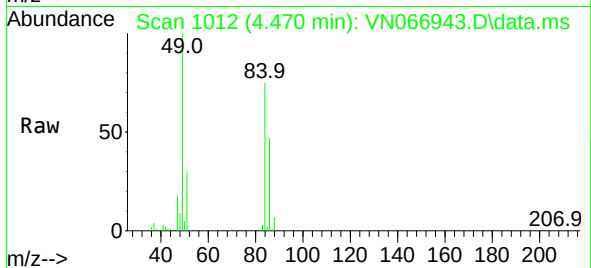
Tgt Ion: 43 Resp: 5565
Ion Ratio Lower Upper
43 100
74 19.7 19.5 29.3



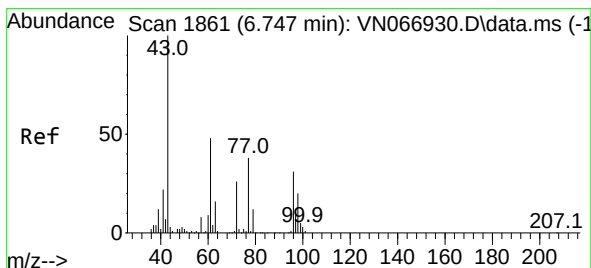
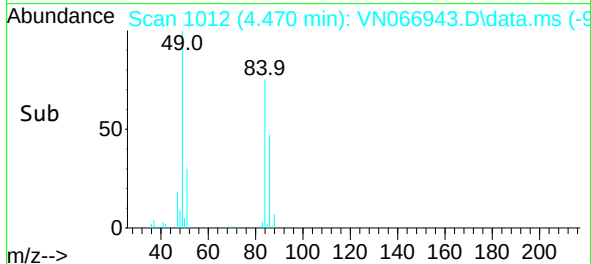
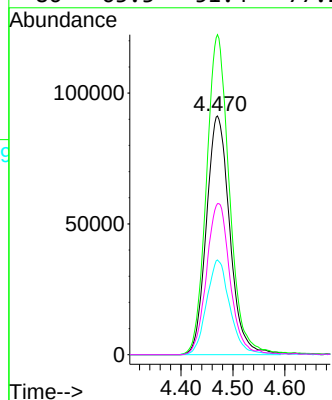


#20
Methylene Chloride
Concen: 40.90 ug/l
RT: 4.470 min Scan# 1012
Delta R.T. 0.000 min
Lab File: VN066943.D
Acq: 4 May 2021 18:16

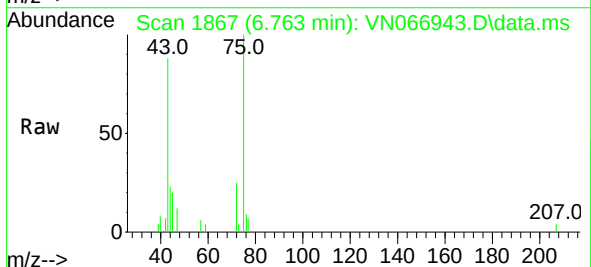
Instrument :
MSVOA_N
ClientSampled :



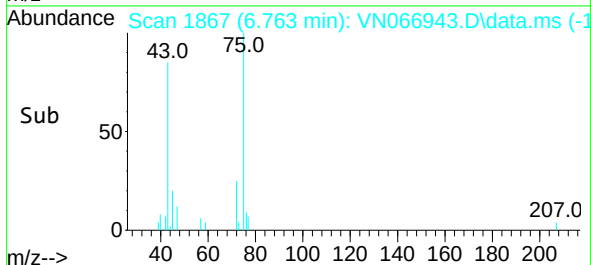
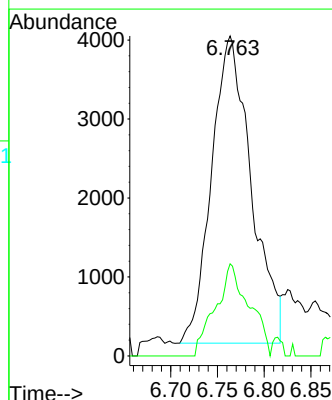
Tgt Ion:	84	Resp:	285764
Ion	Ratio	Lower	Upper
84	100		
49	134.0	94.6	141.8
51	39.7	29.9	44.9
86	63.3	51.4	77.2

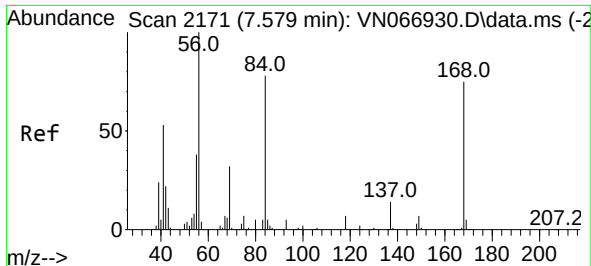


#25
2-Butanone
Concen: 2.83 ug/l
RT: 6.763 min Scan# 1867
Delta R.T. 0.016 min
Lab File: VN066943.D
Acq: 4 May 2021 18:16



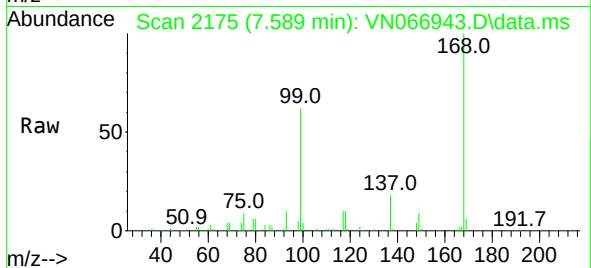
Tgt Ion:	43	Resp:	11510
Ion	Ratio	Lower	Upper
43	100		
72	30.0	23.1	34.7



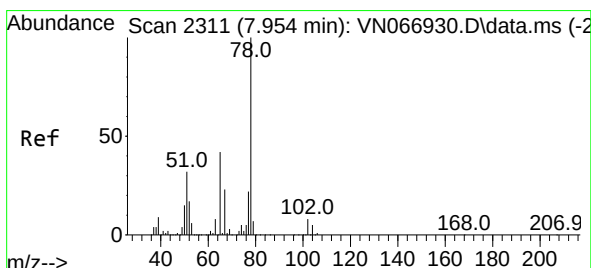
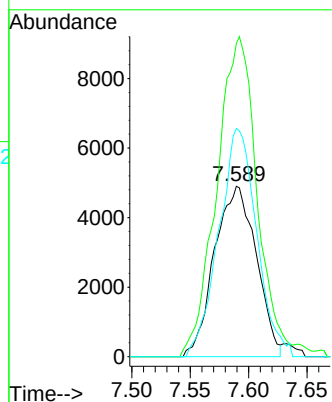
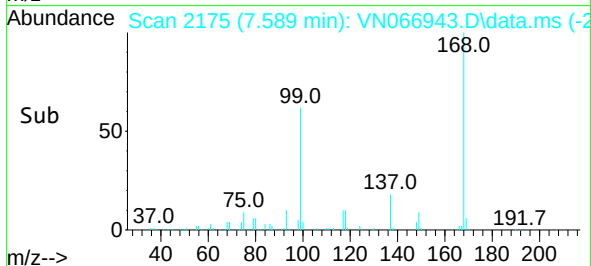


#31
Cyclohexane
Concen: 1.10 ug/l
RT: 7.589 min Scan# 2175
Delta R.T. 0.010 min
Lab File: VN066943.D
Acq: 4 May 2021 18:16

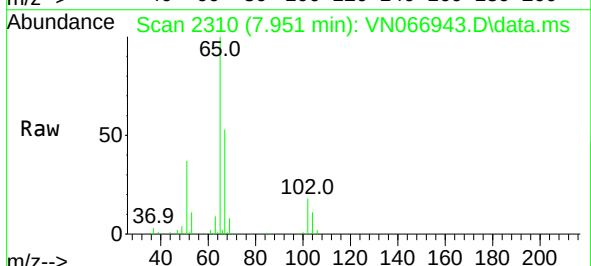
Instrument :
MSVOA_N
ClientSampled :



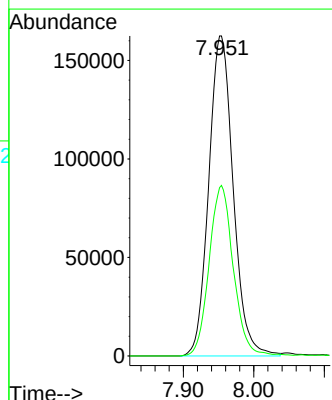
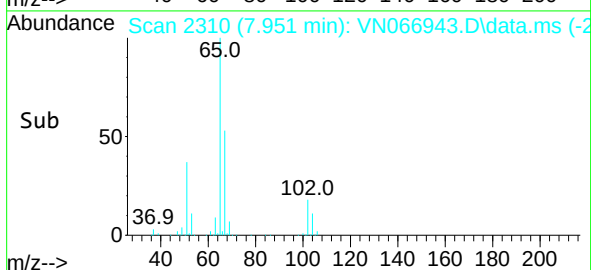
Tgt Ion: 56 Resp: 12163
Ion Ratio Lower Upper
56 100
69 183.9 26.6 39.8#
84 133.9 70.4 105.6#

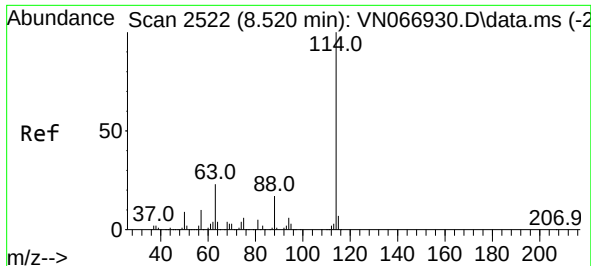


#33
1,2-Dichloroethane-d4
Concen: 50.03 ug/l
RT: 7.951 min Scan# 2310
Delta R.T. -0.003 min
Lab File: VN066943.D
Acq: 4 May 2021 18:16



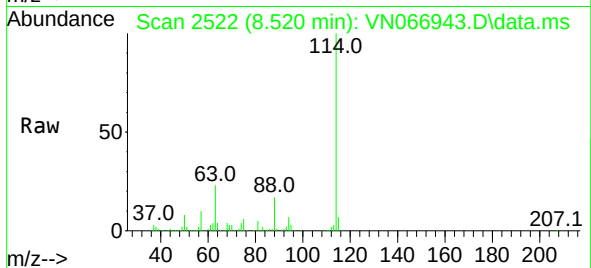
Tgt Ion: 65 Resp: 391710
Ion Ratio Lower Upper
65 100
67 52.6 0.0 107.2



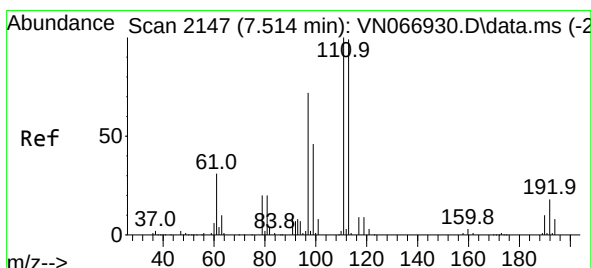
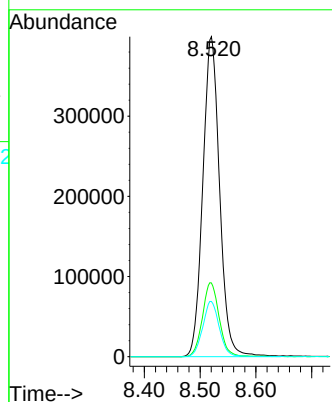
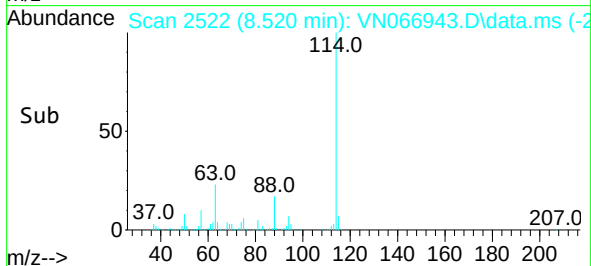


#34
1,4-Difluorobenzene
Concen: 50.00 ug/l
RT: 8.520 min Scan# 2522
Delta R.T. 0.000 min
Lab File: VN066943.D
Acq: 4 May 2021 18:16

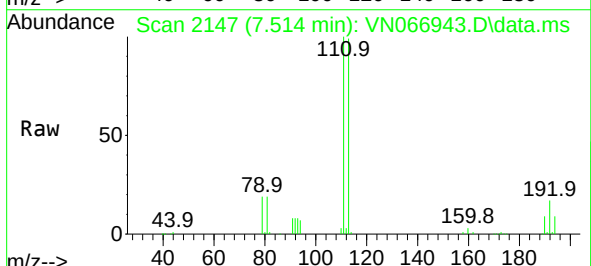
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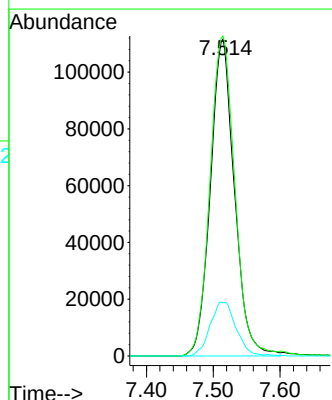
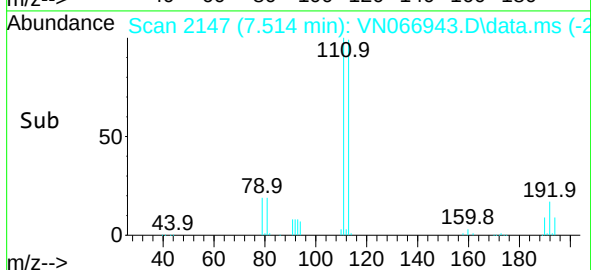
Tgt Ion:114 Resp: 836066
Ion Ratio Lower Upper
114 100
63 23.0 0.0 38.6
88 17.3 0.0 30.6

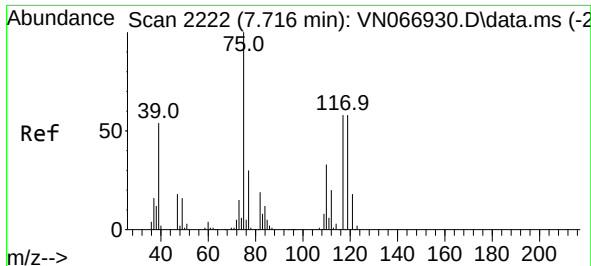


#35
Dibromofluoromethane
Concen: 49.09 ug/l
RT: 7.514 min Scan# 2147
Delta R.T. 0.000 min
Lab File: VN066943.D
Acq: 4 May 2021 18:16



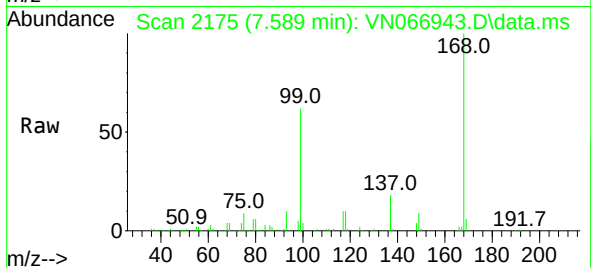
Tgt Ion:113 Resp: 278715
Ion Ratio Lower Upper
113 100
111 104.3 82.2 123.2
192 18.2 15.4 23.0



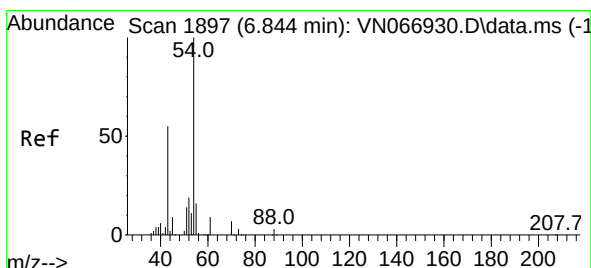
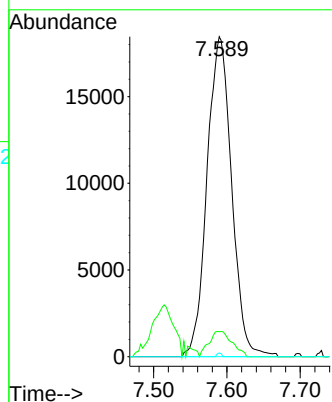
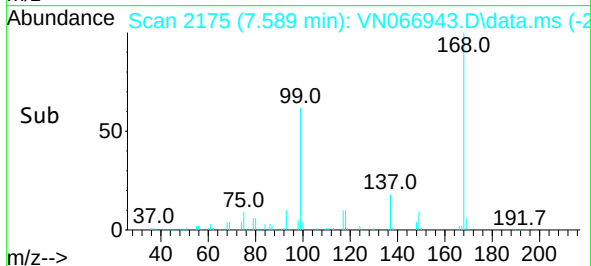


#36
 1,1-Dichloropropene
 Concen: 4.95 ug/l
 RT: 7.589 min Scan# 2175
 Delta R.T. -0.127 min
 Lab File: VN066943.D
 Acq: 4 May 2021 18:16

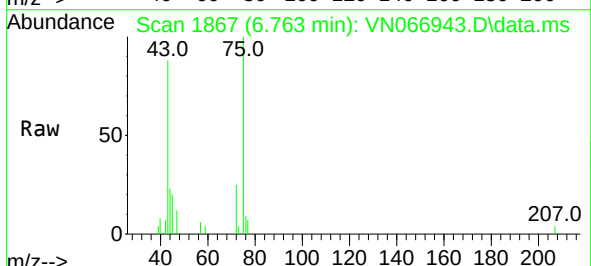
Instrument :
 MSVOA_N
 ClientSampled :



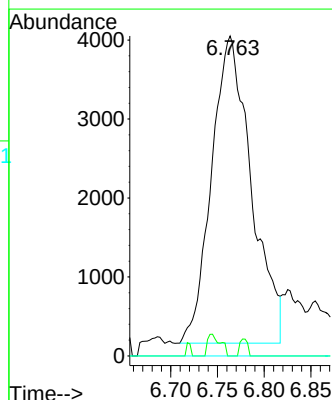
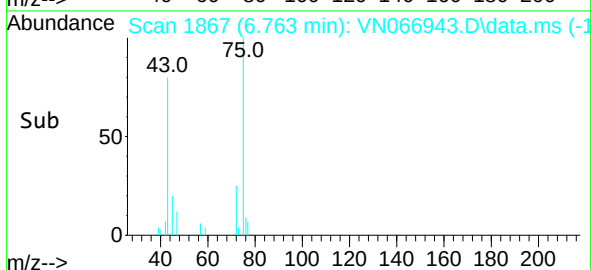
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 Ion Ratio Lower Upper
 75 100
 110 7.4 18.2 54.6#
 77 0.2 24.9 37.3#

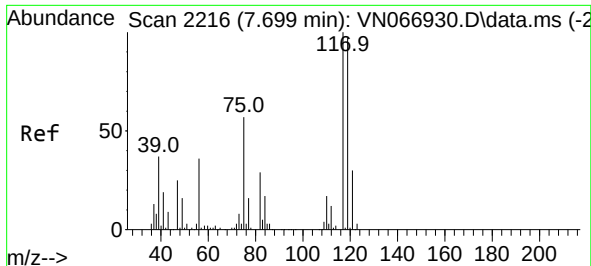


#37
 Ethyl Acetate
 Concen: 1.30 ug/l
 RT: 6.763 min Scan# 1867
 Delta R.T. -0.081 min
 Lab File: VN066943.D
 Acq: 4 May 2021 18:16



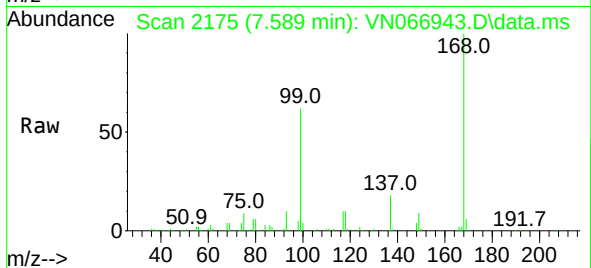
Tgt Ion: 43 Resp: 11510
 Ion Ratio Lower Upper
 43 100
 61 1.1 11.6 17.4#
 70 0.0 8.6 13.0#



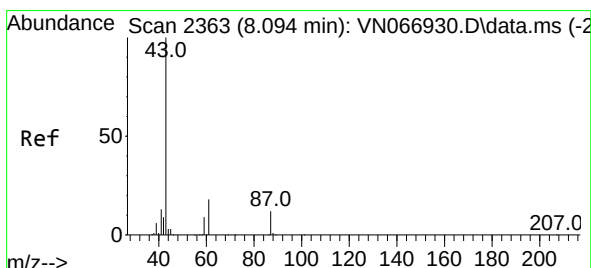
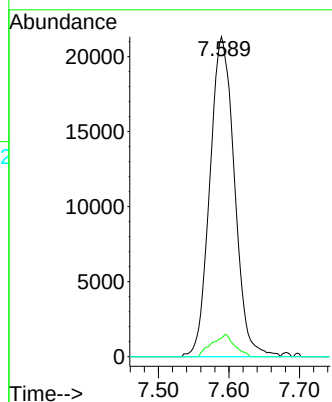
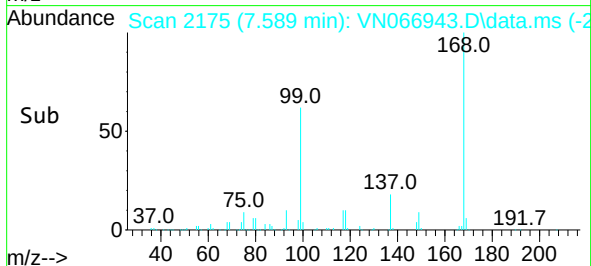


#38
Carbon Tetrachloride
Concen: 5.69 ug/l
RT: 7.589 min Scan# 2175
Delta R.T. -0.110 min
Lab File: VN066943.D
Acq: 4 May 2021 18:16

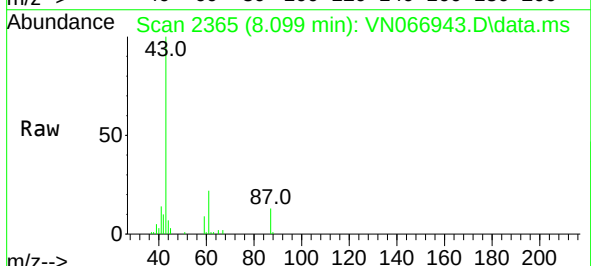
Instrument :
MSVOA_N
ClientSampleId :



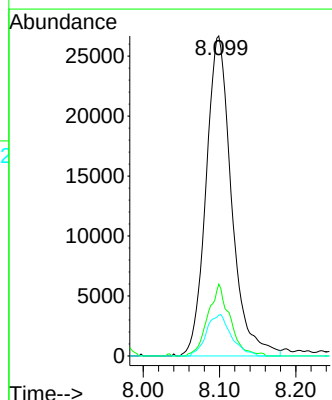
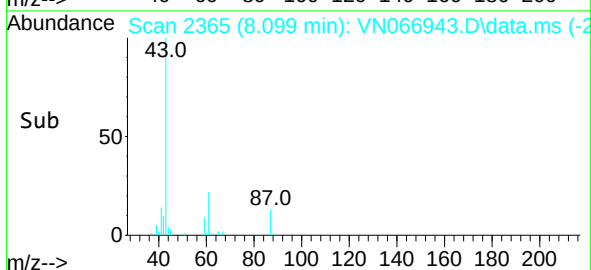
Tgt Ion:117 Resp: 51660
Ion Ratio Lower Upper
117 100
119 5.7 76.0 114.0#
121 0.0 24.5 36.7#

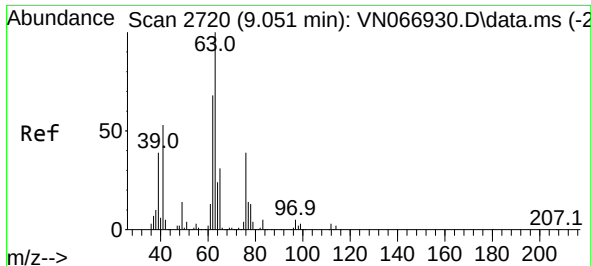


#43
Isopropyl Acetate
Concen: 4.30 ug/l
RT: 8.099 min Scan# 2365
Delta R.T. 0.005 min
Lab File: VN066943.D
Acq: 4 May 2021 18:16



Tgt Ion: 43 Resp: 61961
Ion Ratio Lower Upper
43 100
61 19.3 22.5 33.7#
87 12.6 11.1 16.7

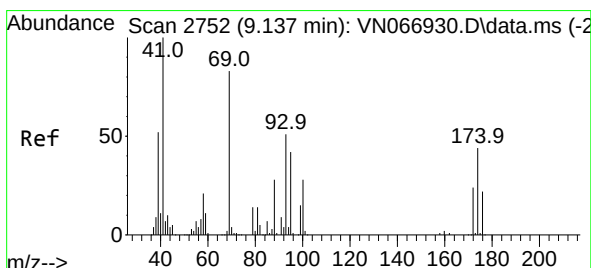
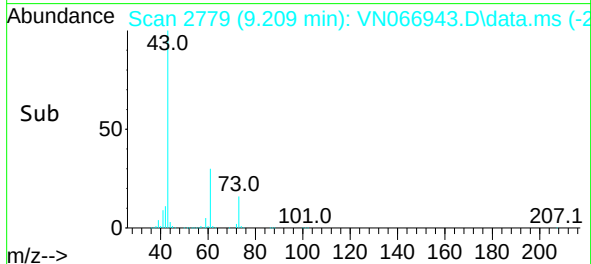
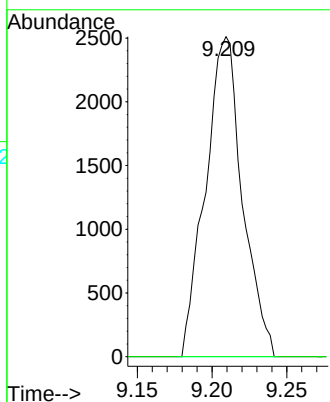
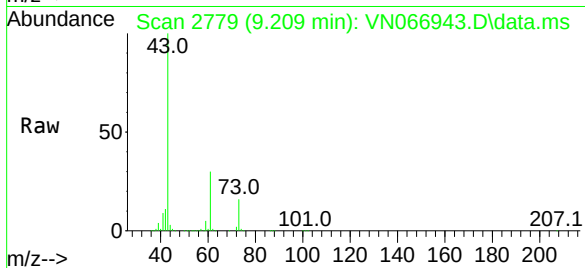




#45
1,2-Dichloropropane
Concen: 0.57 ug/l
RT: 9.209 min Scan# 2779
Delta R.T. 0.158 min
Lab File: VN066943.D
Acq: 4 May 2021 18:16

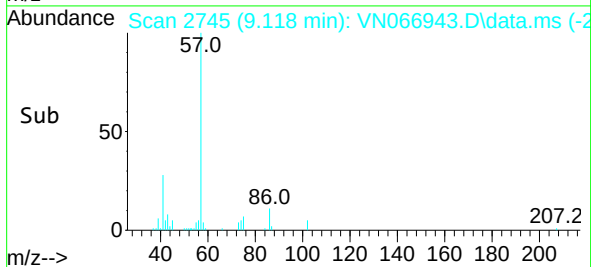
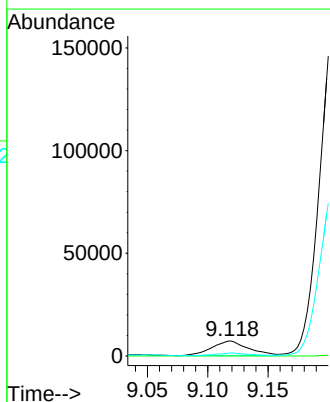
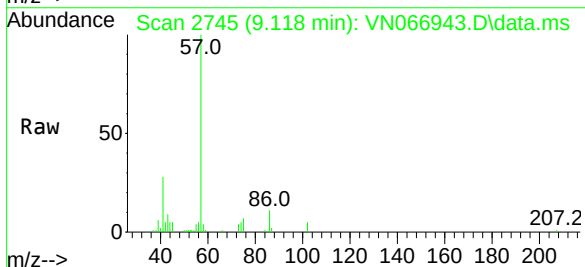
Instrument :
MSVOA_N
ClientSampled :

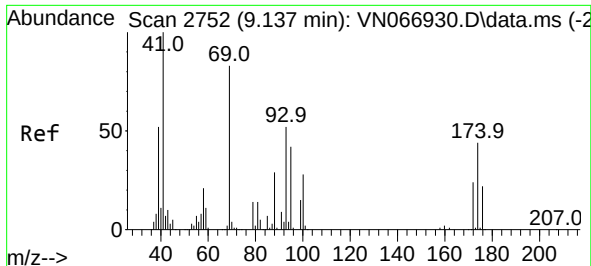
Tgt Ion: 63 Resp: 4316
Ion Ratio Lower Upper
63 100
65 0.0 24.9 37.3#



#48
Methyl methacrylate
Concen: 2.37 ug/l
RT: 9.118 min Scan# 2745
Delta R.T. -0.019 min
Lab File: VN066943.D
Acq: 4 May 2021 18:16

Tgt Ion: 41 Resp: 15109
Ion Ratio Lower Upper
41 100
69 0.0 75.9 113.9#
39 0.0 46.6 69.8#





#49

1,4-Dioxane

Concen: 1.62 ug/l

RT: 9.193 min Scan# 2773

Delta R.T. 0.056 min

Lab File: VN066943.D

Acq: 4 May 2021 18:16

Tgt Ion: 88 Resp: 164

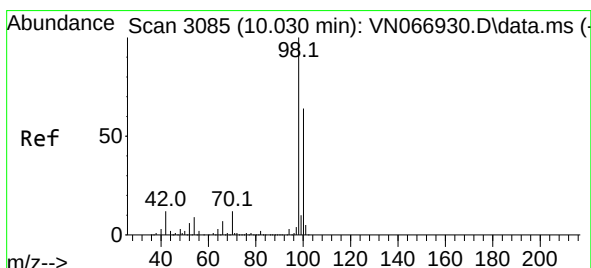
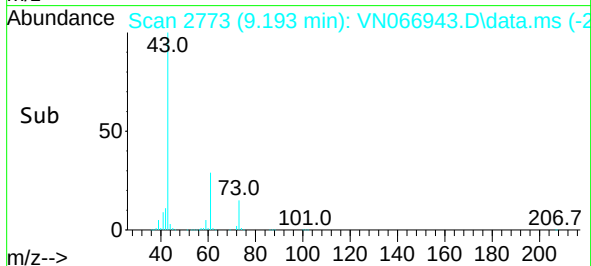
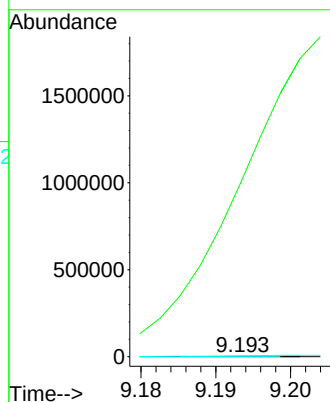
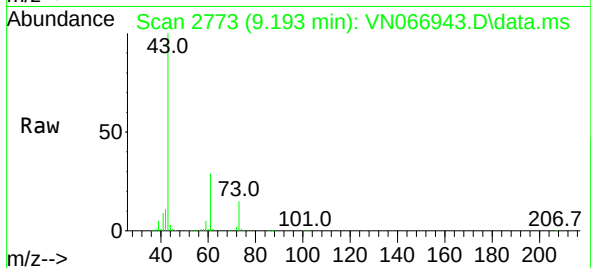
Ion Ratio Lower Upper

88 100

43 2125417.1 24.7 37.1#

58 9437.2 52.6 78.8#

Instrument :
MSVOA_N
ClientSampled :



#50

Toluene-d8

Concen: 51.16 ug/l

RT: 10.030 min Scan# 3085

Delta R.T. 0.000 min

Lab File: VN066943.D

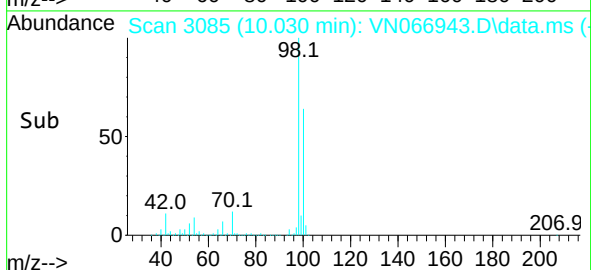
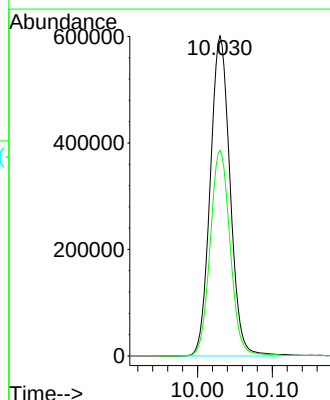
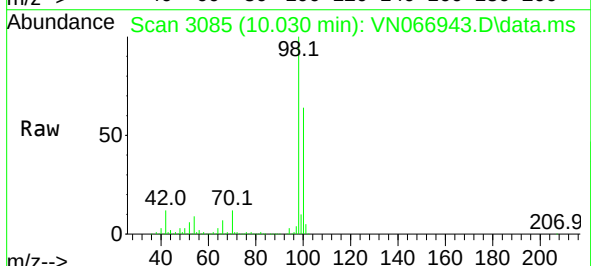
Acq: 4 May 2021 18:16

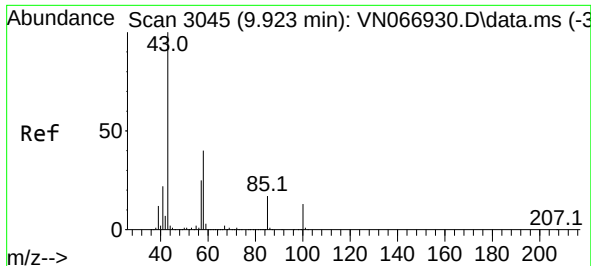
Tgt Ion: 98 Resp: 1106042

Ion Ratio Lower Upper

98 100

100 64.6 50.5 75.7

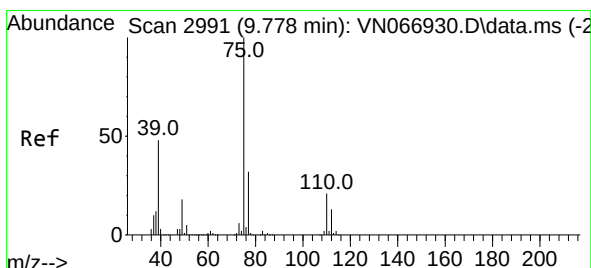
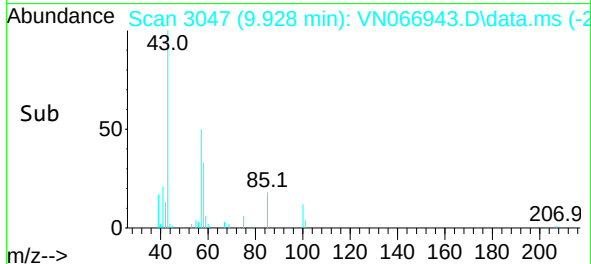
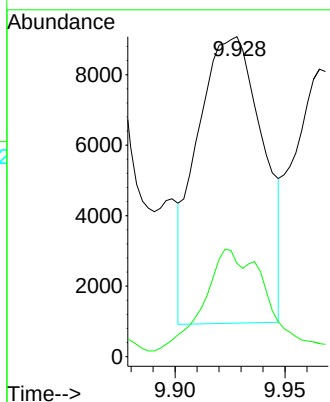
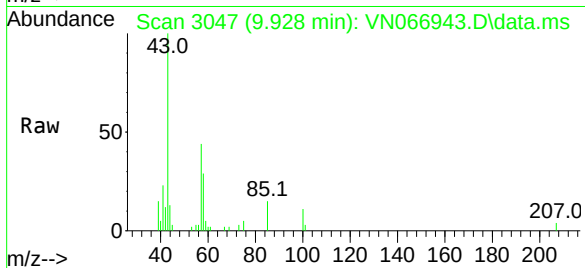




#51
4-Methyl-2-Pentanone
Concen: 2.02 ug/l
RT: 9.928 min Scan# 3047
Delta R.T. 0.005 min
Lab File: VN066943.D
Acq: 4 May 2021 18:16

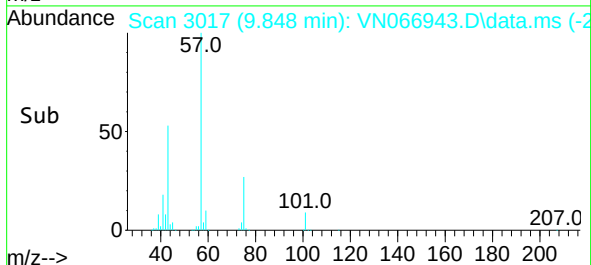
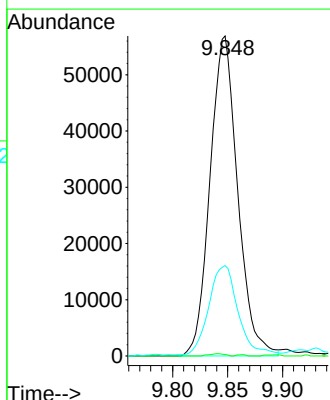
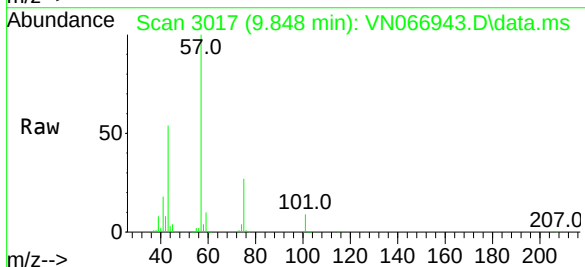
Instrument :
MSVOA_N
ClientSampled :

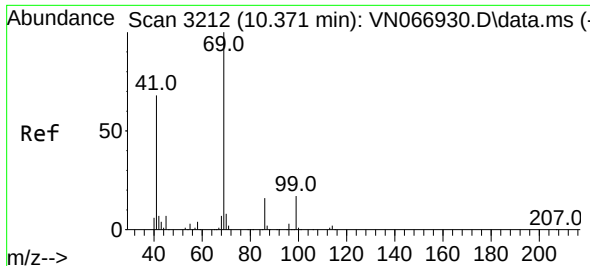
Tgt Ion: 43 Resp: 16784
Ion Ratio Lower Upper
43 100
58 20.5 32.5 48.7#



#54
cis-1,3-Dichloropropene
Concen: 8.67 ug/l
RT: 9.848 min Scan# 3017
Delta R.T. 0.070 min
Lab File: VN066943.D
Acq: 4 May 2021 18:16

Tgt Ion: 75 Resp: 99413
Ion Ratio Lower Upper
75 100
77 0.5 24.9 37.3#
39 27.9 36.2 54.4#

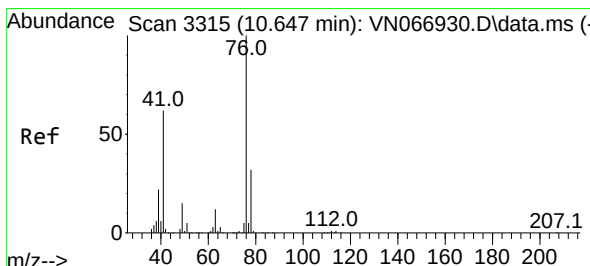
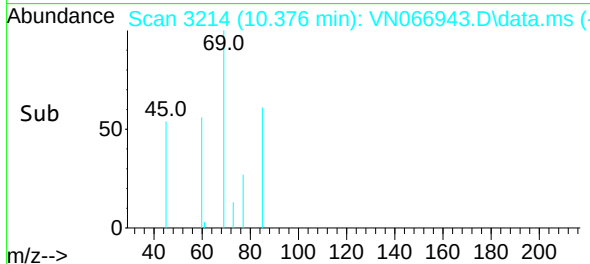
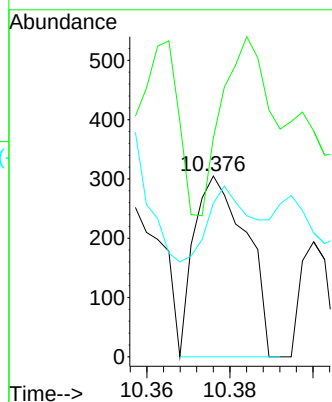
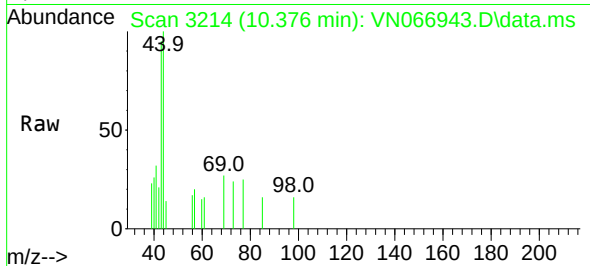




#56
Ethyl methacrylate
Concen: 5.21 ug/l
RT: 10.376 min Scan# 3214
Delta R.T. 0.005 min
Lab File: VN066943.D
Acq: 4 May 2021 18:16

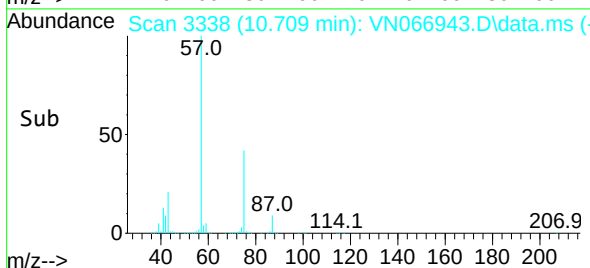
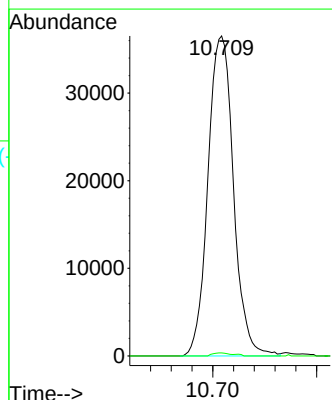
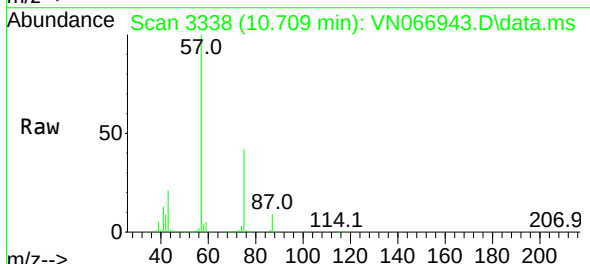
Instrument :
MSVOA_N
ClientSampled :

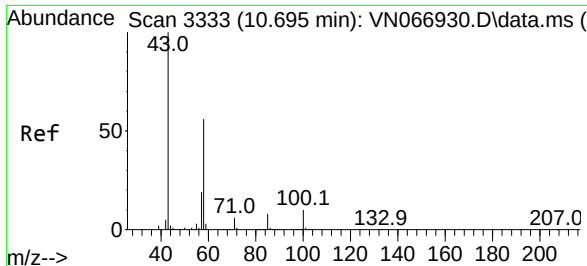
Tgt Ion: 69 Resp: 265
Ion Ratio Lower Upper
69 100
41 0.0 49.6 74.4#
39 0.0 28.0 42.0#



#57
1,3-Dichloropropane
Concen: 5.52 ug/l
RT: 10.709 min Scan# 3338
Delta R.T. 0.062 min
Lab File: VN066943.D
Acq: 4 May 2021 18:16

Tgt Ion: 76 Resp: 62355
Ion Ratio Lower Upper
76 100
78 0.6 25.7 38.5#

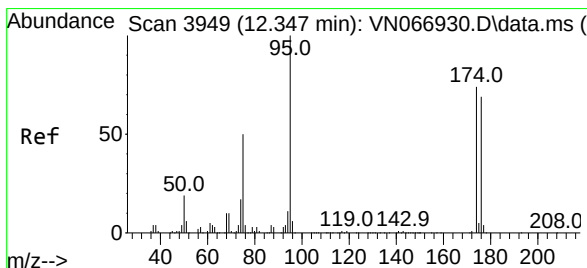
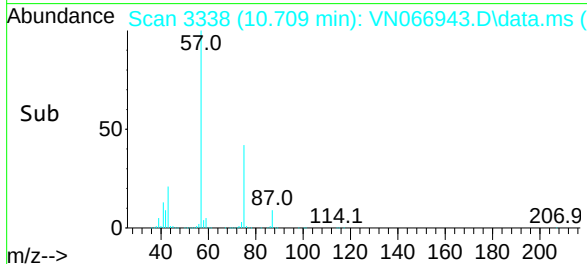
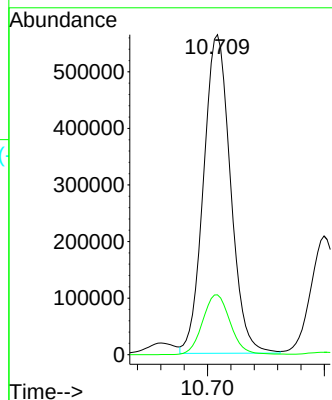
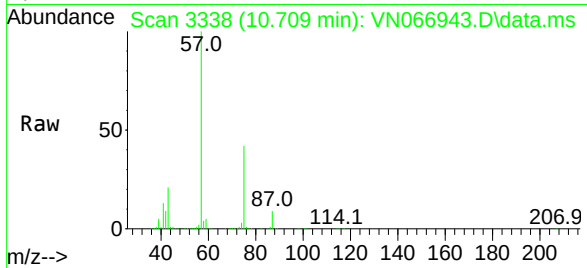




#59
2-Hexanone
Concen: 159.97 ug/l
RT: 10.709 min Scan# 3338
Delta R.T. 0.014 min
Lab File: VN066943.D
Acq: 4 May 2021 18:16

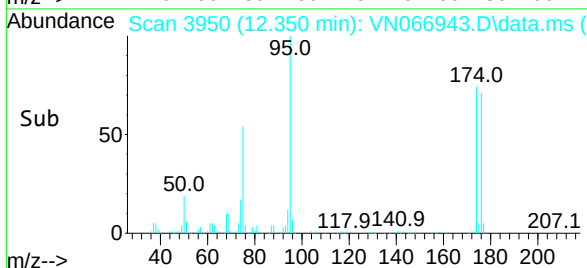
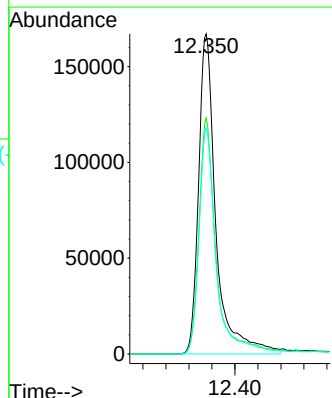
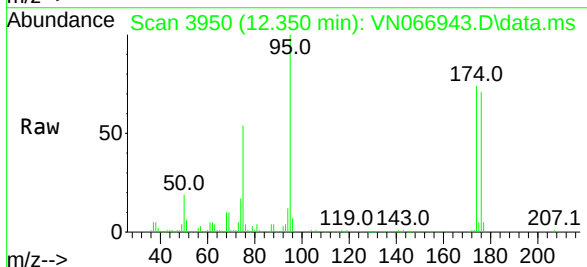
Instrument :
MSVOA_N
ClientSampled :

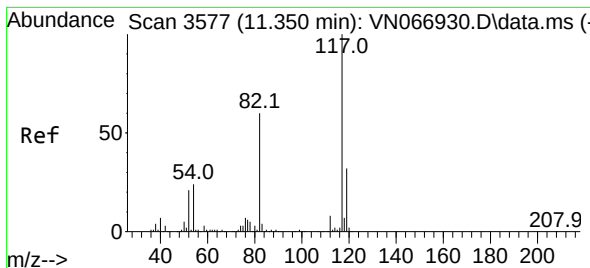
Tgt Ion: 43 Resp: 903377
Ion Ratio Lower Upper
43 100
58 19.4 28.1 84.3#



#62
4-Bromofluorobenzene
Concen: 47.87 ug/l
RT: 12.350 min Scan# 3950
Delta R.T. 0.003 min
Lab File: VN066943.D
Acq: 4 May 2021 18:16

Tgt Ion: 95 Resp: 350483
Ion Ratio Lower Upper
95 100
174 73.3 0.0 169.0
176 69.5 0.0 162.4

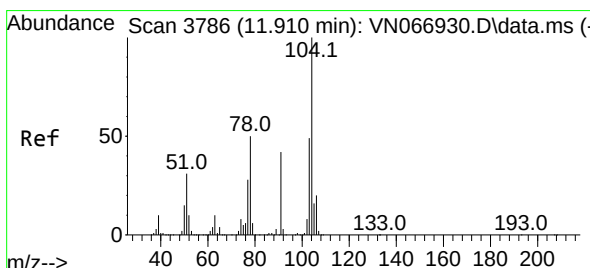
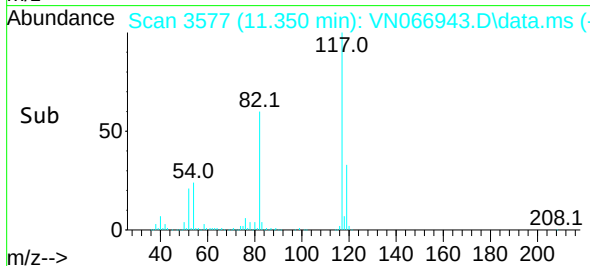
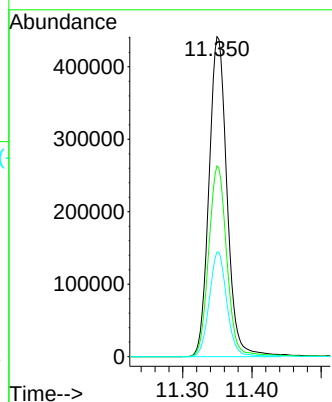
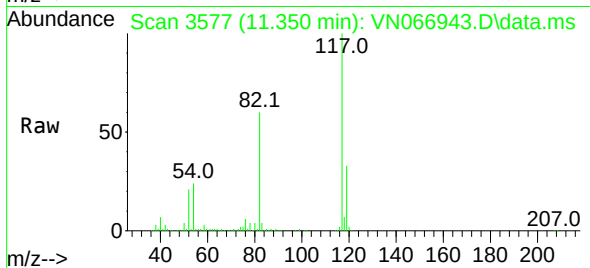




#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 11.350 min Scan# 3577
Delta R.T. -0.000 min
Lab File: VN066943.D
Acq: 4 May 2021 18:16

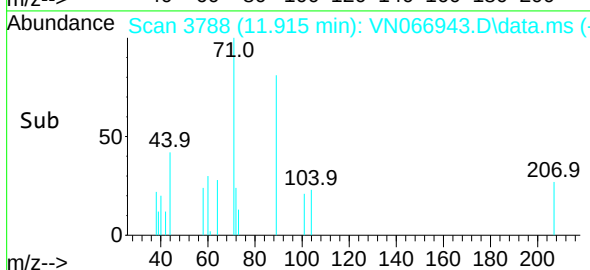
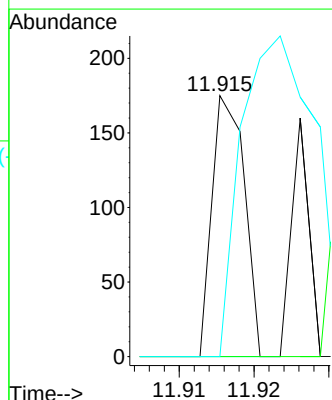
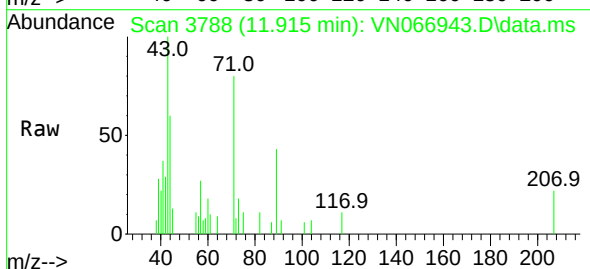
Instrument :
MSVOA_N
ClientSampleId :

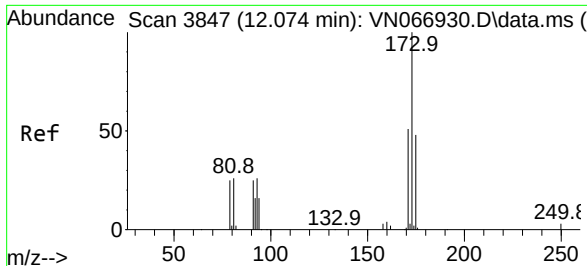
Tgt Ion:117 Resp: 798056
Ion Ratio Lower Upper
117 100
82 59.6 43.7 65.5
119 32.7 26.1 39.1



#70
Styrene
Concen: 4.71 ug/l
RT: 11.915 min Scan# 3788
Delta R.T. 0.005 min
Lab File: VN066943.D
Acq: 4 May 2021 18:16

Tgt Ion:104 Resp: 52
Ion Ratio Lower Upper
104 100
78 0.0 39.0 58.4#
103 0.0 44.5 66.7#

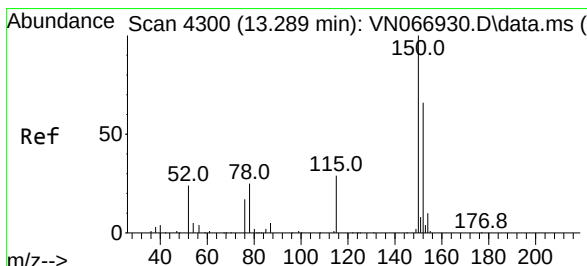
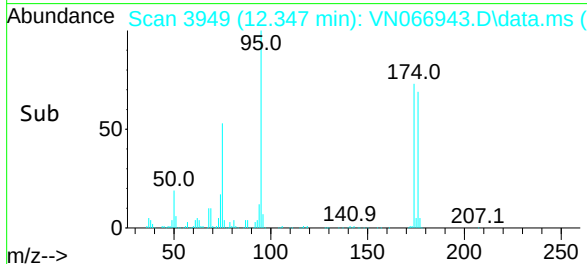
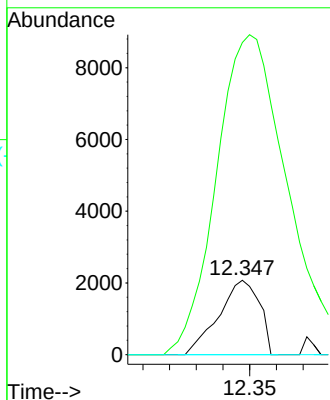
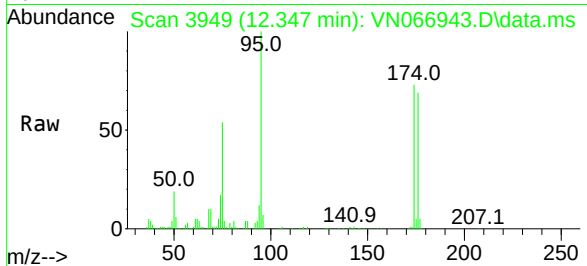




#71
Bromoform
Concen: 0.46 ug/l
RT: 12.347 min Scan# 3949
Delta R.T. 0.273 min
Lab File: VN066943.D
Acq: 4 May 2021 18:16

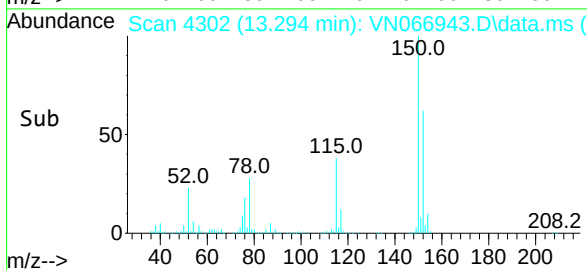
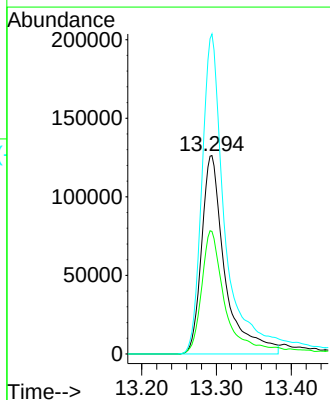
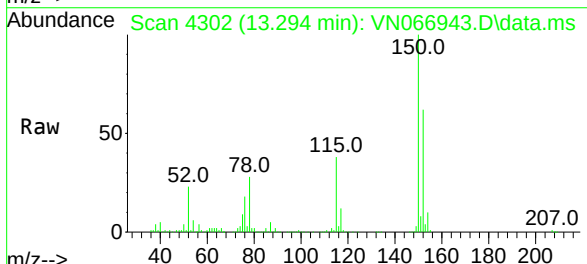
Instrument :
MSVOA_N
ClientSampled :

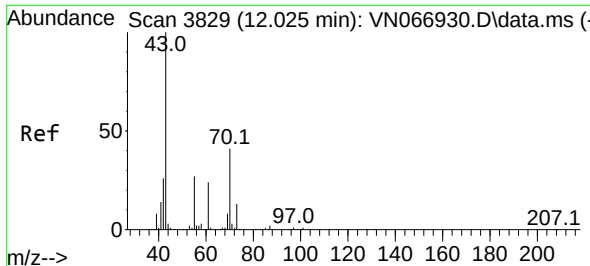
Tgt Ion:173 Resp: 2198
Ion Ratio Lower Upper
173 100
175 631.3 23.8 71.2#
254 0.0 0.0 0.0



#72
1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 13.294 min Scan# 4302
Delta R.T. 0.005 min
Lab File: VN066943.D
Acq: 4 May 2021 18:16

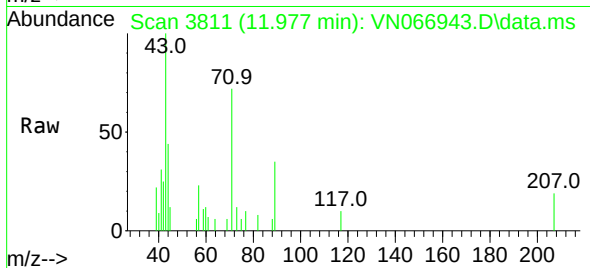
Tgt Ion:152 Resp: 275127
Ion Ratio Lower Upper
152 100
115 63.0 28.5 85.6
150 169.1 0.0 347.6





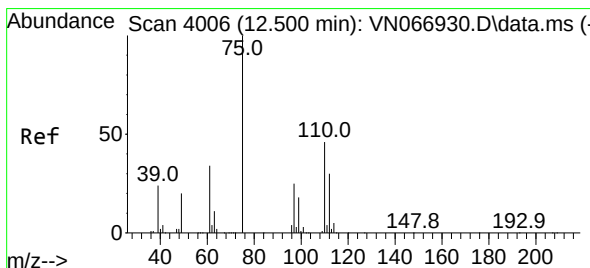
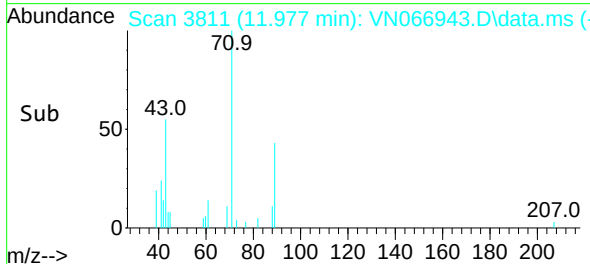
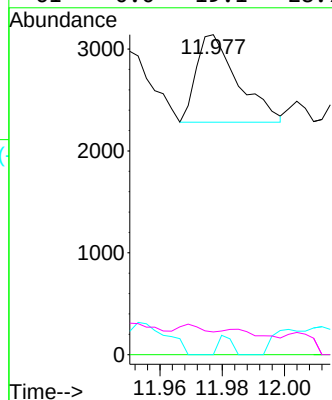
#74
N-amy1 acetate
Concen: 0.21 ug/l
RT: 11.977 min Scan# 3811
Delta R.T. -0.048 min
Lab File: VN066943.D
Acq: 4 May 2021 18:16

Instrument :
MSVOA_N
ClientSampled :



Tgt Ion: 43 Resp: 794

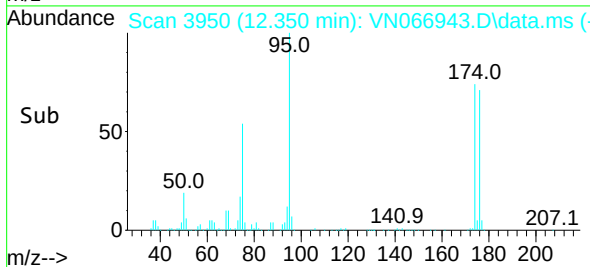
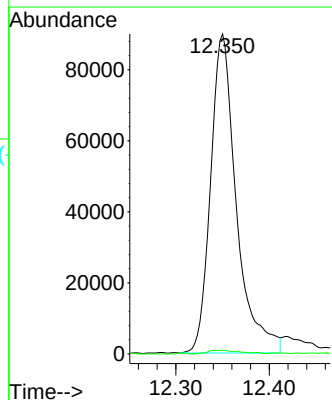
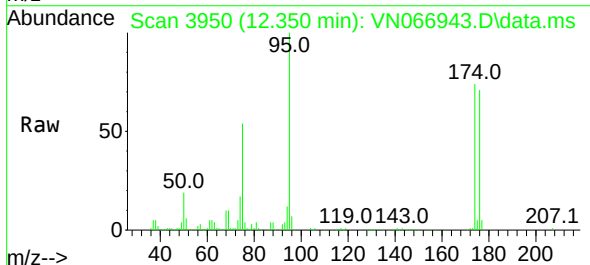
Ion	Ratio	Lower	Upper
43	100		
70	0.0	34.4	51.6#
55	7.1	20.7	31.1#
61	0.0	19.1	28.7#

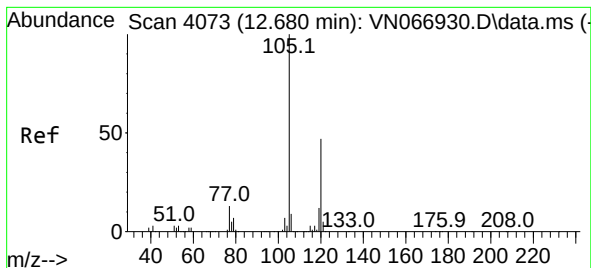


#76
1,2,3-Trichloropropane
Concen: 26.25 ug/l
RT: 12.350 min Scan# 3950
Delta R.T. -0.150 min
Lab File: VN066943.D
Acq: 4 May 2021 18:16

Tgt Ion: 75 Resp: 172065

Ion	Ratio	Lower	Upper
75	100		
77	0.5	0.0	0.0#





#80

1,3,5-Trimethylbenzene

Concen: 0.48 ug/l

RT: 12.688 min Scan# 4076

Delta R.T. 0.008 min

Lab File: VN066943.D

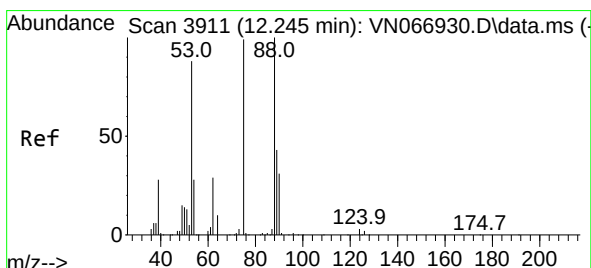
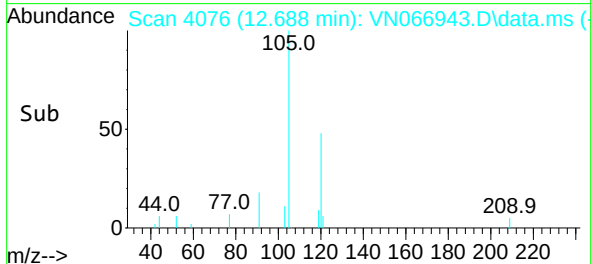
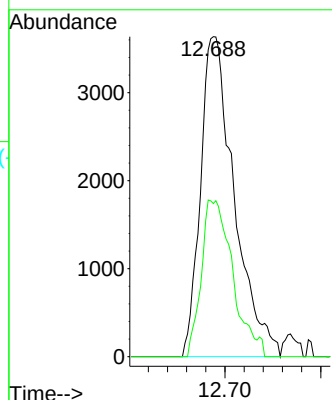
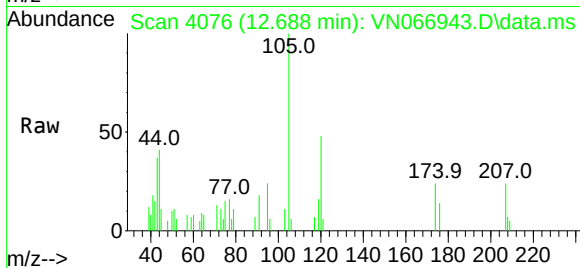
Acq: 4 May 2021 18:16

Tgt Ion:105 Resp: 8903

Ion Ratio Lower Upper

105 100

120 45.4 24.3 72.8



#81

trans-1,4-Dichloro-2-butene

Concen: 78.72 ug/l

RT: 12.350 min Scan# 3950

Delta R.T. 0.105 min

Lab File: VN066943.D

Acq: 4 May 2021 18:16

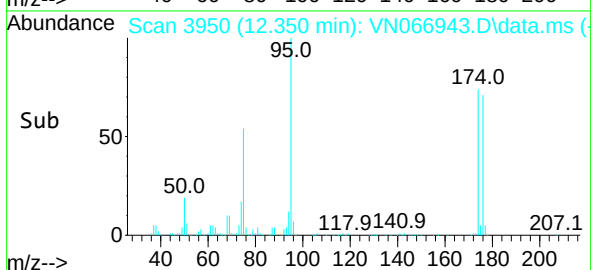
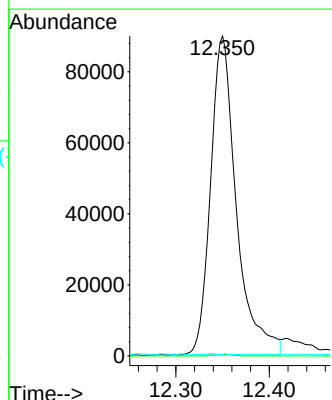
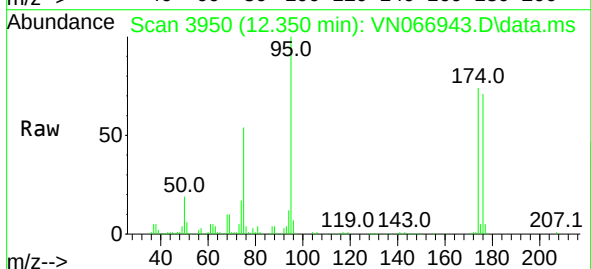
Tgt Ion: 75 Resp: 172065

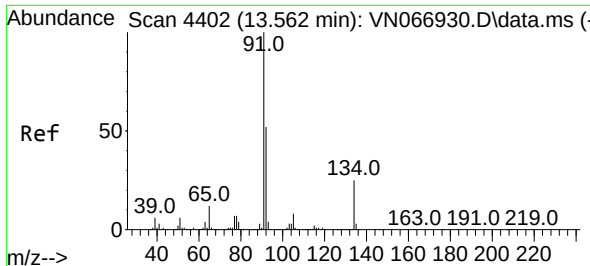
Ion Ratio Lower Upper

75 100

53 0.3 74.6 111.8#

89 0.1 35.8 53.8#

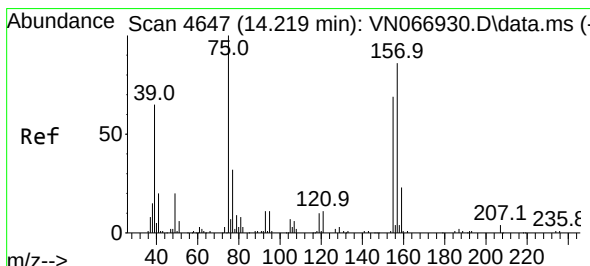
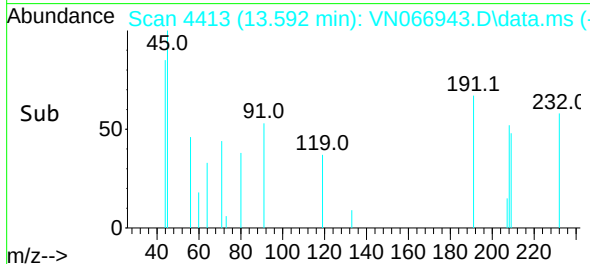
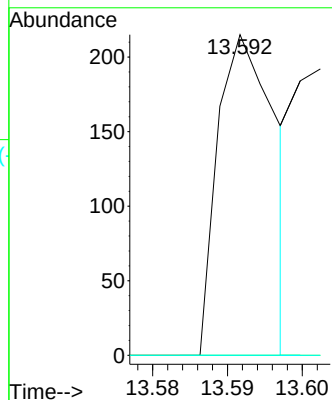
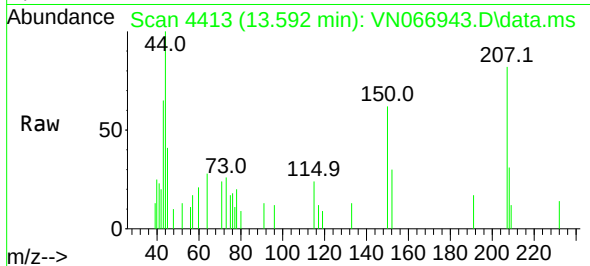




#89
n-Butylbenzene
Concen: 5.25 ug/l
RT: 13.592 min Scan# 4413
Delta R.T. 0.030 min
Lab File: VN066943.D
Acq: 4 May 2021 18:16

Instrument :
MSVOA_N
ClientSampled :

Tgt Ion: 91 Resp: 115
Ion Ratio Lower Upper
91 100
92 0.0 26.1 78.3#
134 0.0 13.0 38.9#



#92
1,2-Dibromo-3-Chloropropane
Concen: 0.24 ug/l
RT: 14.233 min Scan# 4652
Delta R.T. 0.014 min
Lab File: VN066943.D
Acq: 4 May 2021 18:16

Tgt Ion: 75 Resp: 319
Ion Ratio Lower Upper
75 100
155 0.0 44.1 132.4#
157 0.0 56.0 168.2#

