

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN082622\
 Data File : VN074140.D
 Acq On : 26 Aug 2022 16:58
 Operator : JC\MD
 Sample : N4297-01
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 MW202D-20220819

Quant Time: Aug 27 00:21:33 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N081522W.M
 Quant Title : SW846 8260
 QLast Update : Fri Aug 26 06:44:47 2022
 Response via : Initial Calibration

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

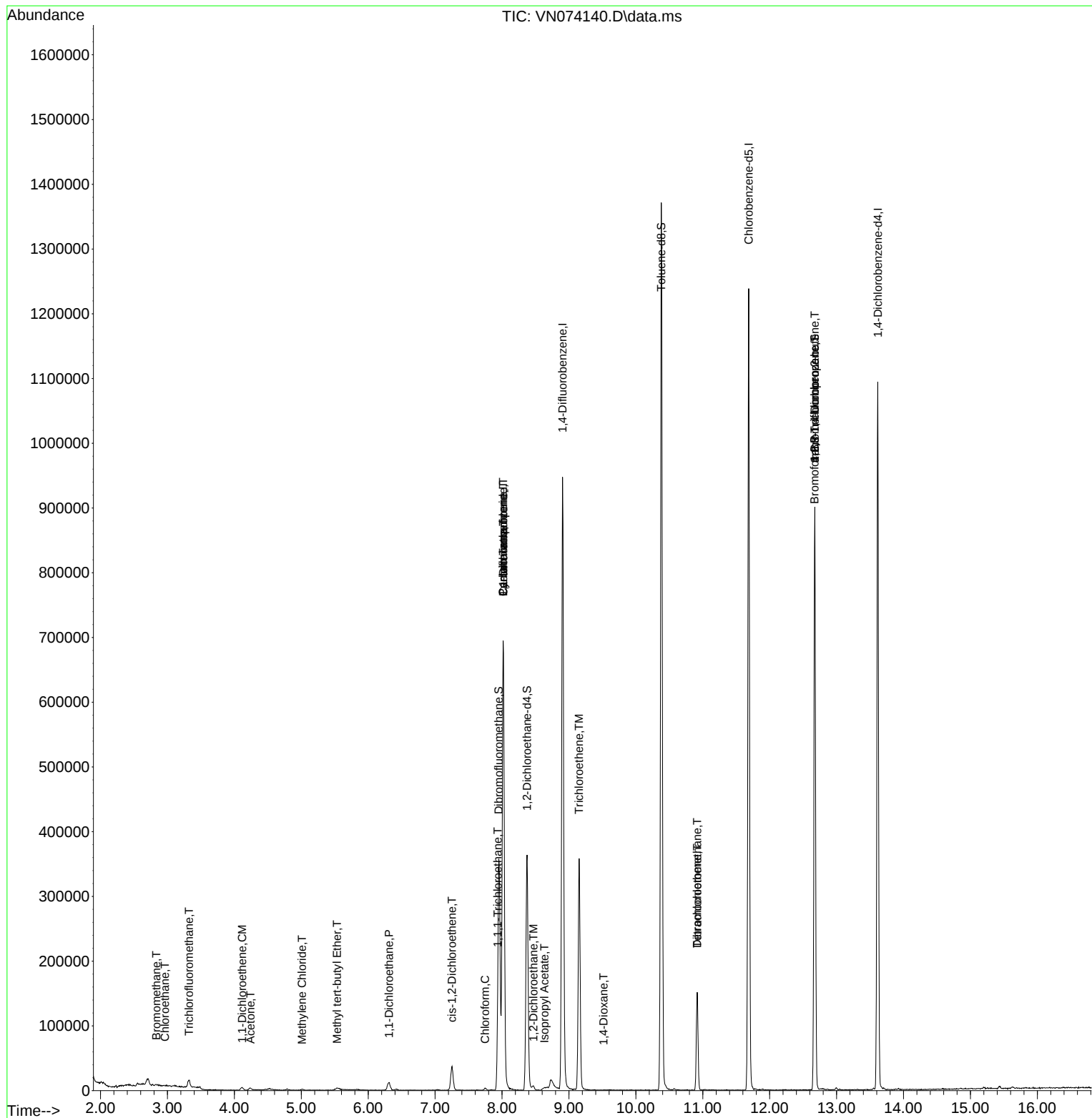
Internal Standards						
1) Pentafluorobenzene	8.016	168	574680	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.904	114	871203	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.686	117	736914	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.616	152	317570	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.375	65	298743	53.372	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 106.740%			
35) Dibromofluoromethane	7.951	113	262463	50.942	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 101.880%			
50) Toluene-d8	10.381	98	973344	48.779	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 97.560%			
62) 4-Bromofluorobenzene	12.674	95	299640	45.247	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery = 90.500%			
Target Compounds						Qvalue
5) Bromomethane	2.834	94	1632	0.402	ug/l	91
6) Chloroethane	2.963	64	2128	0.463	ug/l #	42
7) Trichlorofluoromethane	3.322	101	11619	1.385	ug/l	90
12) 1,1-Dichloroethene	4.116	96	3391	0.748	ug/l #	70
16) Acetone	4.240	43	6513	2.466	ug/l #	86
18) Methyl Acetate	4.787	43	3059	Below Cal	#	75
19) Methyl tert-butyl Ether	5.534	73	4625	0.283	ug/l	95
20) Methylene Chloride	5.010	84	1271	0.228	ug/l #	75
24) 1,1-Dichloroethane	6.310	63	18673	2.106	ug/l #	90
27) cis-1,2-Dichloroethene	7.251	96	23904	3.877	ug/l	86
30) Chloroform	7.745	83	3451	0.348	ug/l	99
31) Cyclohexane	8.016	56	9553	1.224	ug/l #	3
32) 1,1,1-Trichloroethane	7.934	97	2005	0.228	ug/l #	36
36) 1,1-Dichloropropene	8.016	75	37973	5.306	ug/l #	49
38) Carbon Tetrachloride	8.016	117	51439	6.289	ug/l #	18
42) 1,2-Dichloroethane	8.469	62	5544	0.714	ug/l	98
43) Isopropyl Acetate	8.634	43	3307	0.268	ug/l #	53
44) Trichloroethene	9.151	130	138421	21.219	ug/l	98
49) 1,4-Dioxane	9.516	88	110	0.700	ug/l #	62
60) Dibromochloromethane	10.916	129	33759	5.067	ug/l #	11
64) Tetrachloroethene	10.916	164	37214	6.398	ug/l	98
71) Bromoform	12.669	173	1561	0.295	ug/l #	28
76) 1,2,3-Trichloropropane	12.674	75	148454	22.491	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.674	75	148454	63.968	ug/l #	10

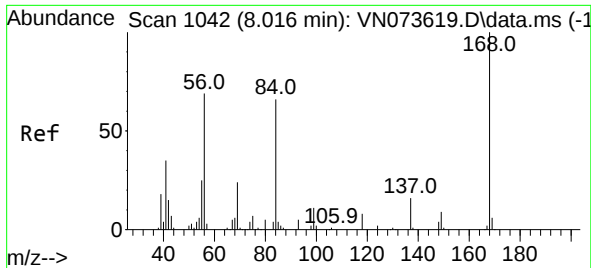
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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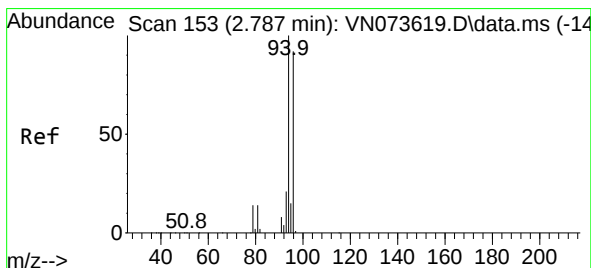
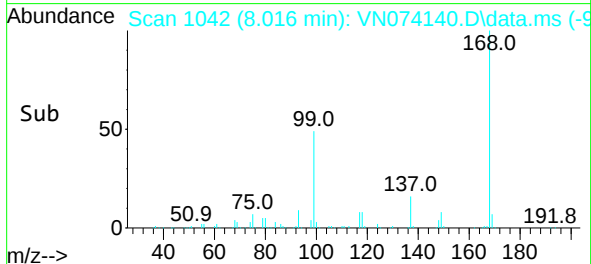
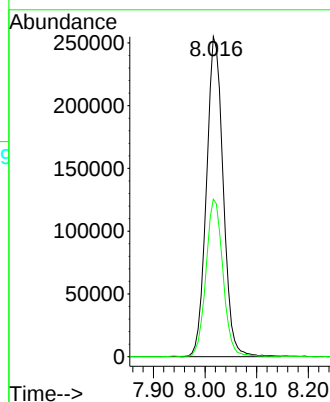
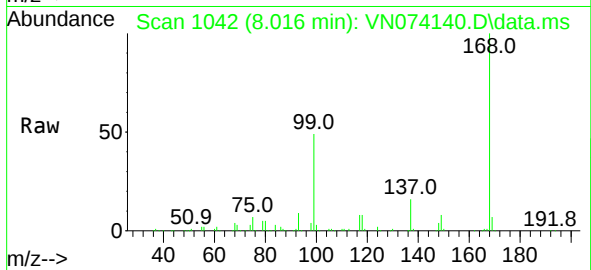




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.016 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN074140.D
Acq: 26 Aug 2022 16:58

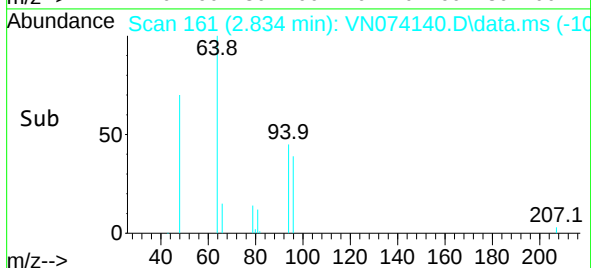
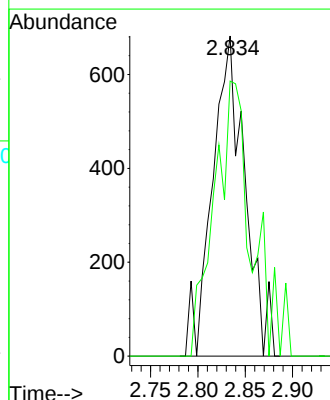
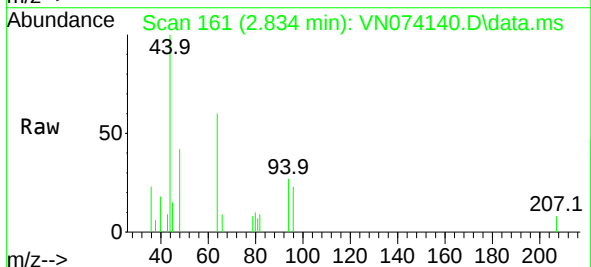
Instrument :
MSVOA_N
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MW202D-20220819

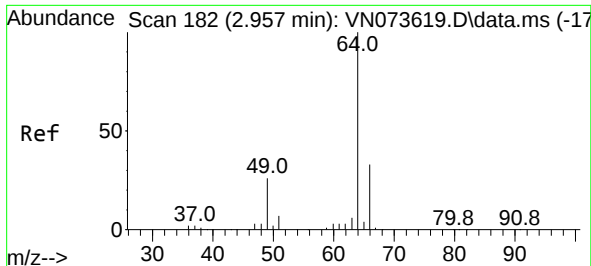
Tgt Ion:168 Resp: 574680
Ion Ratio Lower Upper
168 100
99 49.1 42.3 63.5



#5
Bromomethane
Concen: 0.402 ug/l
RT: 2.834 min Scan# 161
Delta R.T. 0.047 min
Lab File: VN074140.D
Acq: 26 Aug 2022 16:58

Tgt Ion: 94 Resp: 1632
Ion Ratio Lower Upper
94 100
96 85.9 76.0 114.0

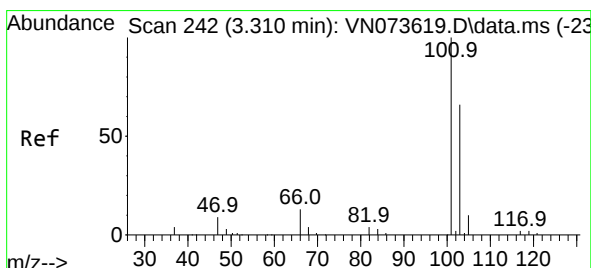
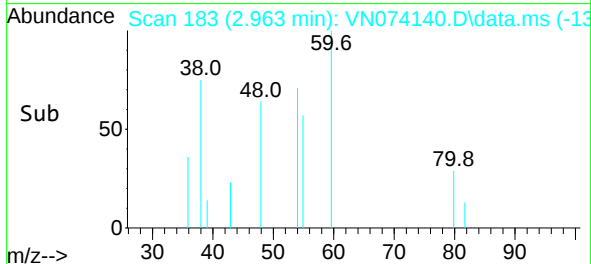
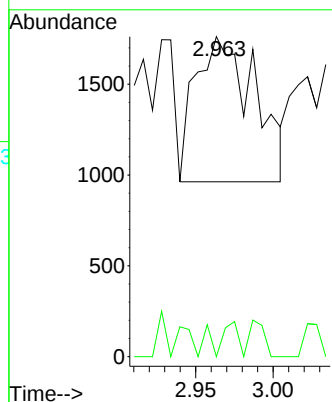
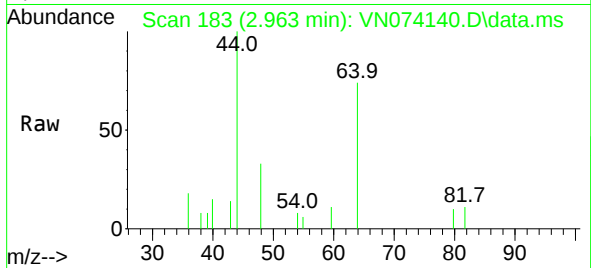




#6
Chloroethane
Concen: 0.463 ug/l
RT: 2.963 min Scan# 182
Delta R.T. 0.006 min
Lab File: VN074140.D
Acq: 26 Aug 2022 16:58

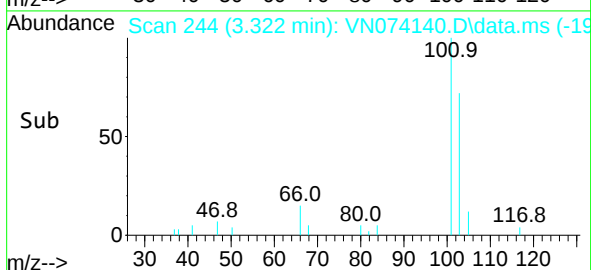
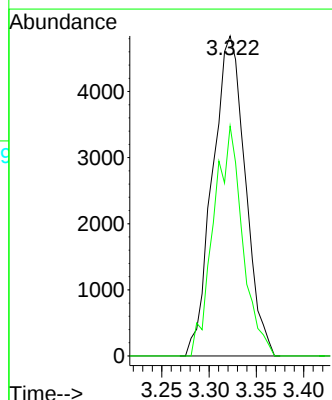
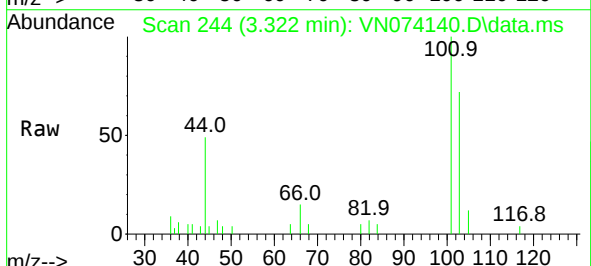
Instrument :
MSVOA_N
ClientSampleId :
MW202D-20220819

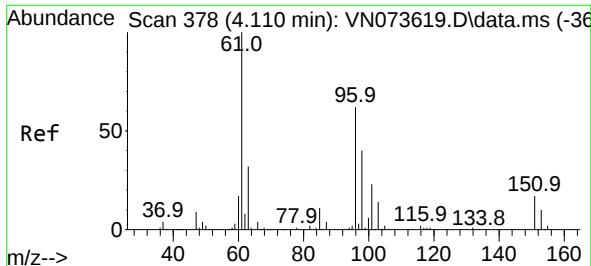
Tgt Ion: 64 Resp: 2128
Ion Ratio Lower Upper
64 100
66 0.0 26.2 39.4#



#7
Trichlorofluoromethane
Concen: 1.385 ug/l
RT: 3.322 min Scan# 244
Delta R.T. 0.012 min
Lab File: VN074140.D
Acq: 26 Aug 2022 16:58

Tgt Ion: 101 Resp: 11619
Ion Ratio Lower Upper
101 100
103 71.9 51.5 77.3





#12

1,1-Dichloroethene

Concen: 0.748 ug/l

RT: 4.116 min Scan# 3

Delta R.T. 0.006 min

Lab File: VN074140.D

Acq: 26 Aug 2022 16:58

Instrument :

MSVOA_N

ClientSampleId :

MW202D-20220819

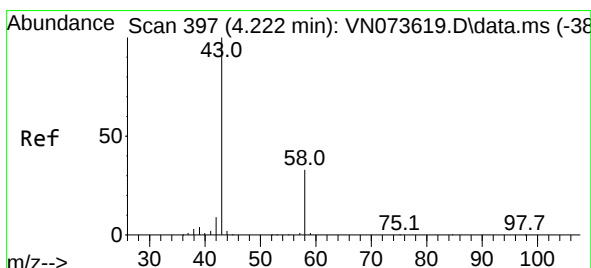
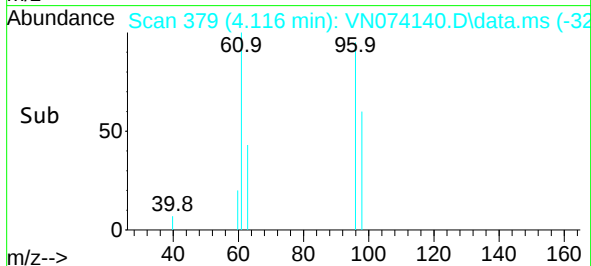
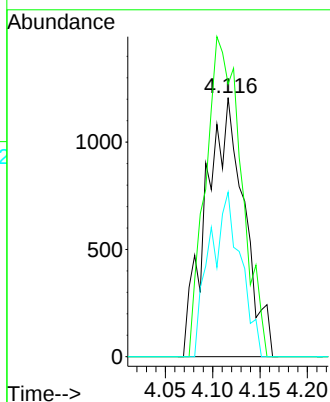
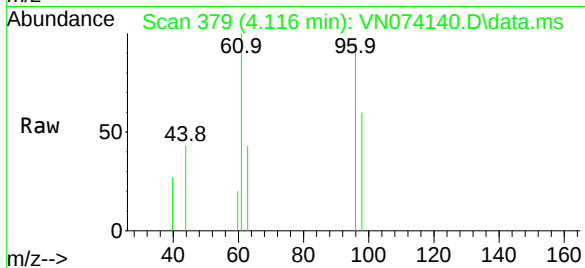
Tgt Ion: 96 Resp: 3391

Ion Ratio Lower Upper

96 100

61 105.2 127.6 191.4#

98 63.5 51.2 76.8



#16

Acetone

Concen: 2.466 ug/l

RT: 4.240 min Scan# 400

Delta R.T. 0.018 min

Lab File: VN074140.D

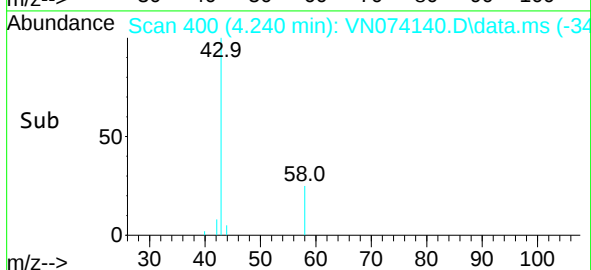
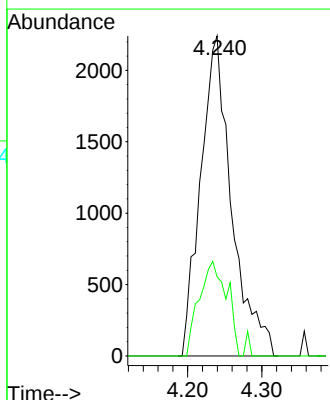
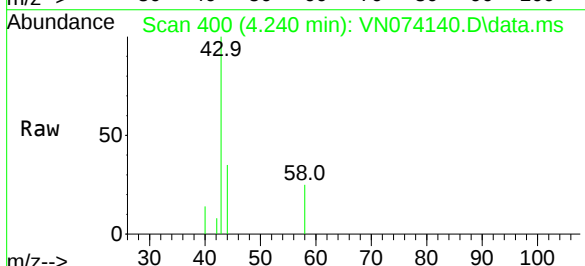
Acq: 26 Aug 2022 16:58

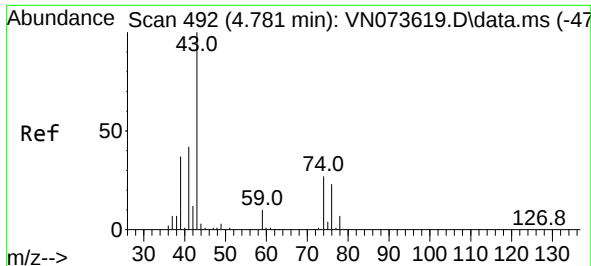
Tgt Ion: 43 Resp: 6513

Ion Ratio Lower Upper

43 100

58 24.8 26.0 39.0#

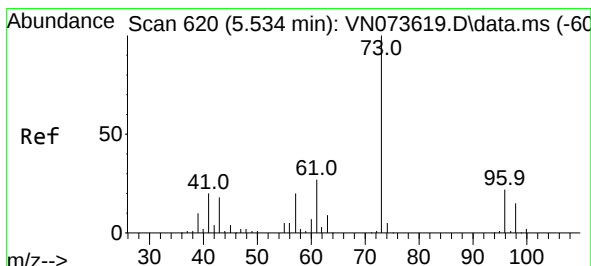
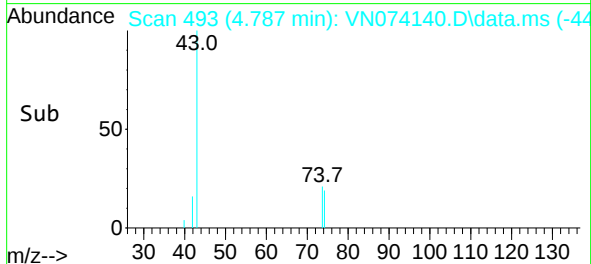
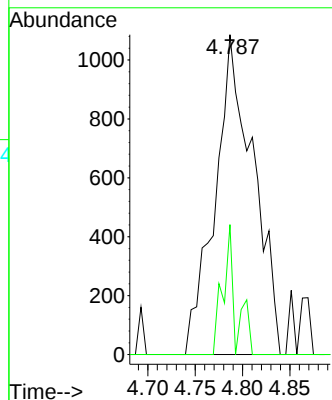
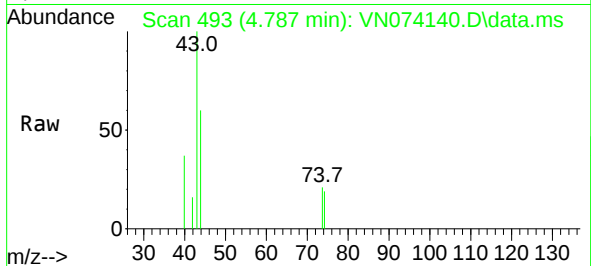




#18
Methyl Acetate
Concen: Below Cal
RT: 4.787 min Scan# 492
Delta R.T. 0.006 min
Lab File: VN074140.D
Acq: 26 Aug 2022 16:58

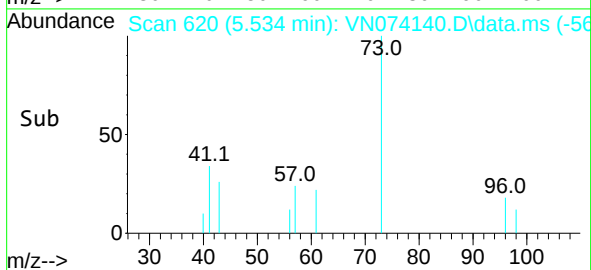
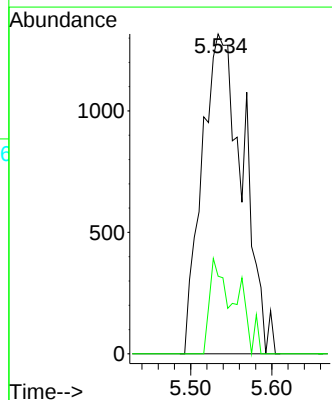
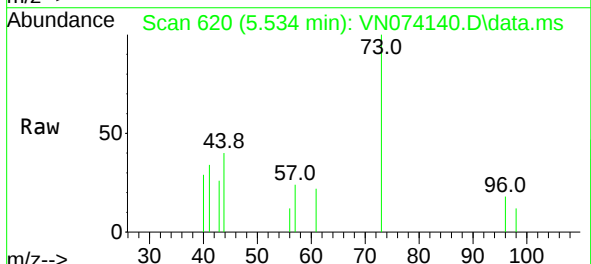
Instrument :
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ClientSampleId :
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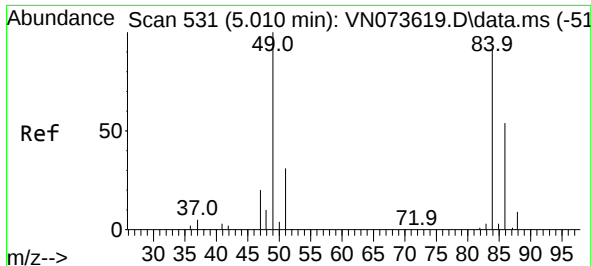
Tgt Ion: 43 Resp: 3059
Ion Ratio Lower Upper
43 100
74 13.8 21.6 32.4#



#19
Methyl tert-butyl Ether
Concen: 0.283 ug/l
RT: 5.534 min Scan# 620
Delta R.T. -0.000 min
Lab File: VN074140.D
Acq: 26 Aug 2022 16:58

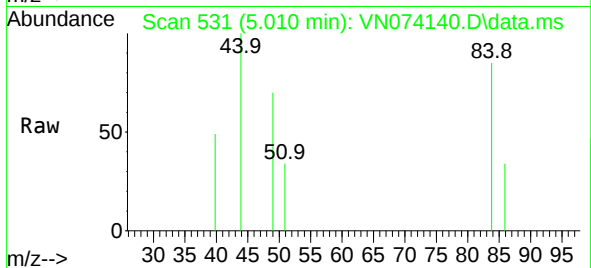
Tgt Ion: 73 Resp: 4625
Ion Ratio Lower Upper
73 100
57 24.3 17.6 26.4



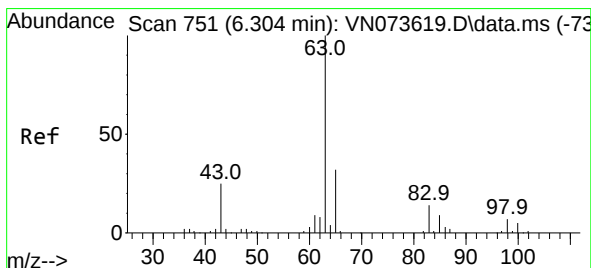
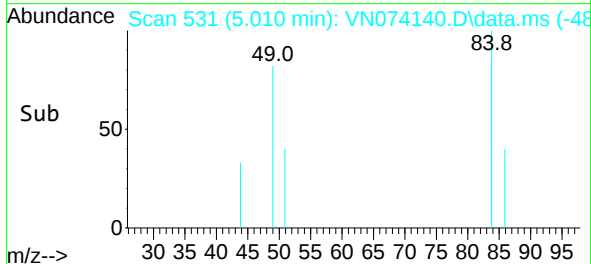
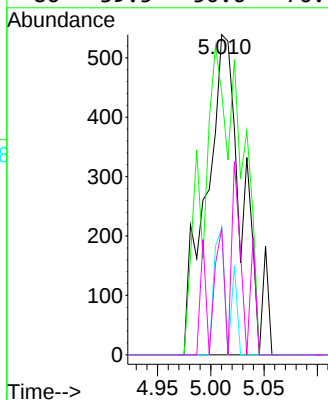


#20
Methylene Chloride
Concen: 0.228 ug/l
RT: 5.010 min Scan# 51
Delta R.T. 0.000 min
Lab File: VN074140.D
Acq: 26 Aug 2022 16:58

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ClientSampleId :
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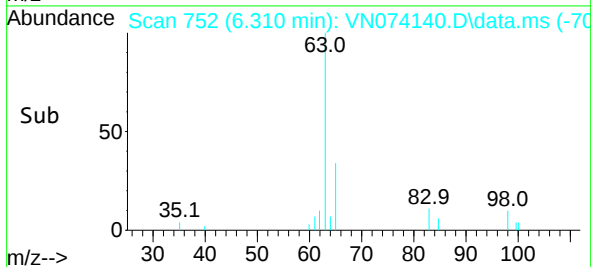
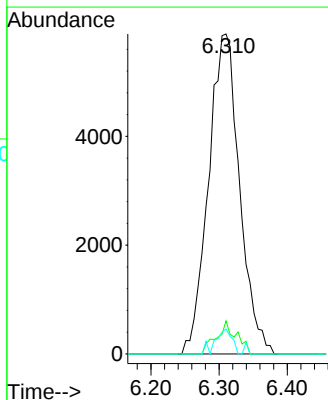
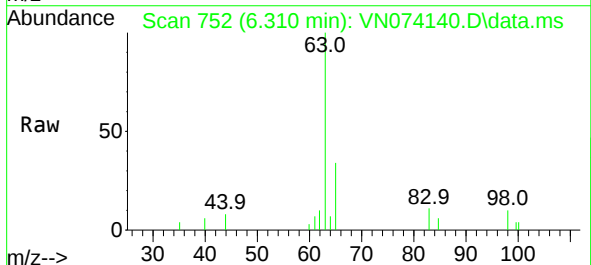


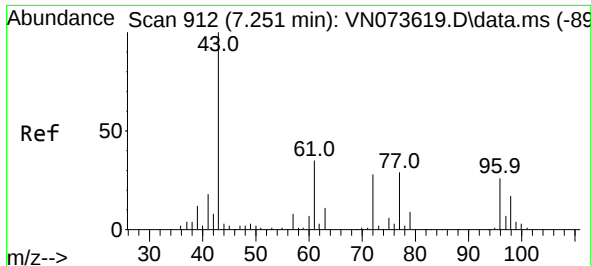
Tgt Ion:	84	Resp:	1271
Ion	Ratio	Lower	Upper
84	100		
49	81.8	88.3	132.5#
51	39.5	28.2	42.2
86	39.5	50.6	76.0#



#24
1,1-Dichloroethane
Concen: 2.106 ug/l
RT: 6.310 min Scan# 752
Delta R.T. 0.006 min
Lab File: VN074140.D
Acq: 26 Aug 2022 16:58

Tgt Ion:	63	Resp:	18673
Ion	Ratio	Lower	Upper
63	100		
98	10.4	3.5	10.4#
100	7.8	2.3	6.8#



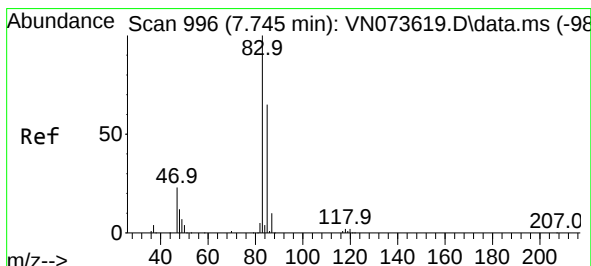
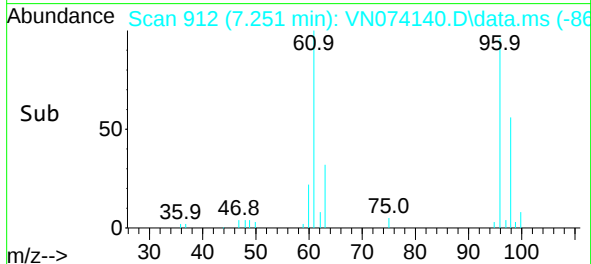
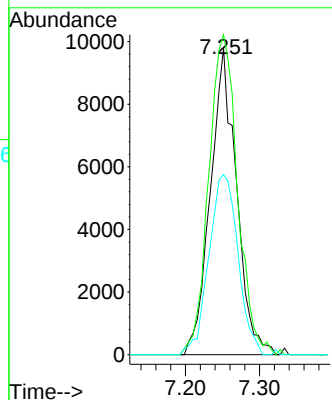
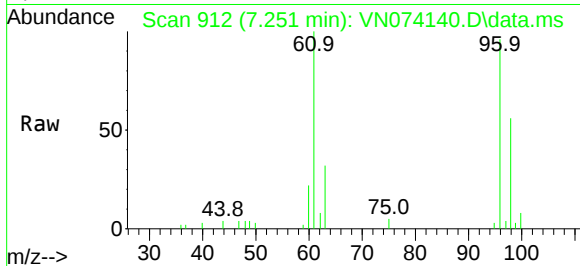


#27
 cis-1,2-Dichloroethene
 Concen: 3.877 ug/l
 RT: 7.251 min Scan# 912
 Delta R.T. 0.000 min
 Lab File: VN074140.D
 Acq: 26 Aug 2022 16:58

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Tgt Ion: 96 Resp: 23904

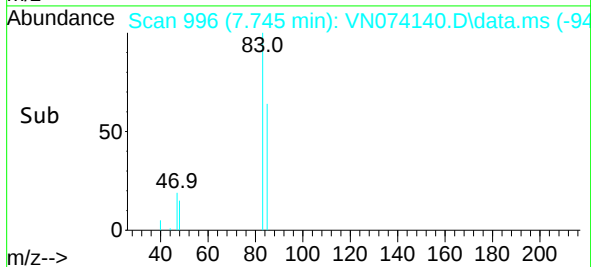
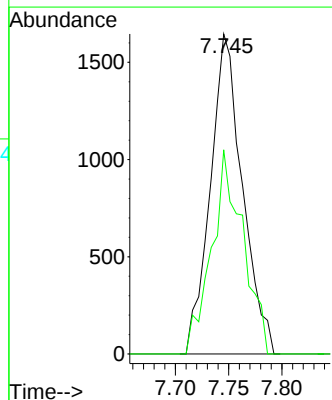
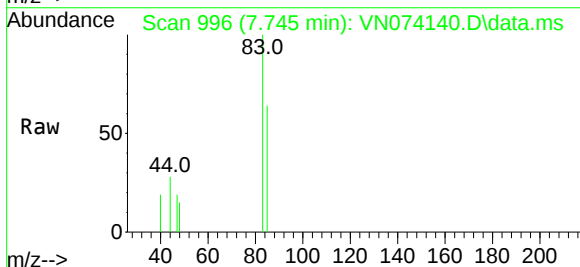
Ion	Ratio	Lower	Upper
96	100		
61	115.7	0.0	280.6
98	65.7	0.0	128.4

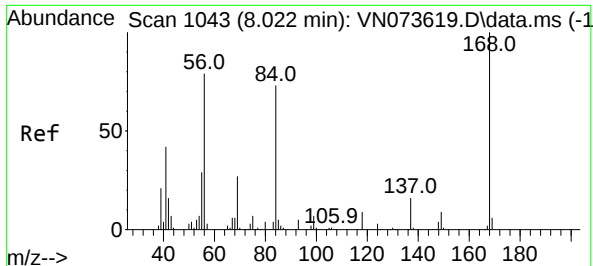


#30
 Chloroform
 Concen: 0.348 ug/l
 RT: 7.745 min Scan# 996
 Delta R.T. 0.000 min
 Lab File: VN074140.D
 Acq: 26 Aug 2022 16:58

Tgt Ion: 83 Resp: 3451

Ion	Ratio	Lower	Upper
83	100		
85	63.8	51.8	77.8

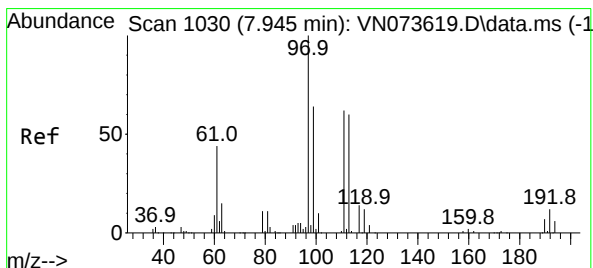
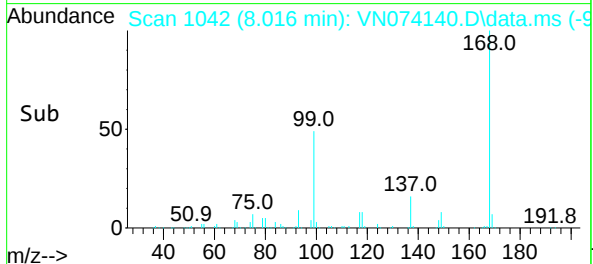
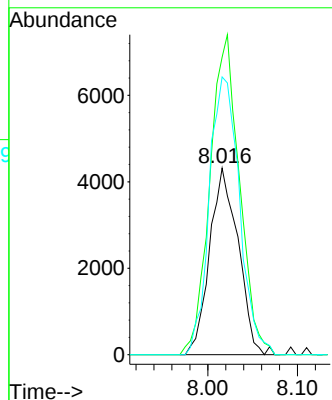
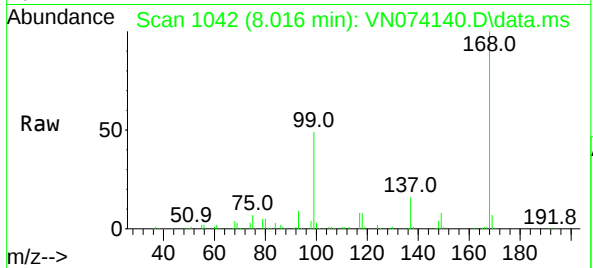




#31
Cyclohexane
Concen: 1.224 ug/l
RT: 8.016 min Scan# 1042
Delta R.T. -0.006 min
Lab File: VN074140.D
Acq: 26 Aug 2022 16:58

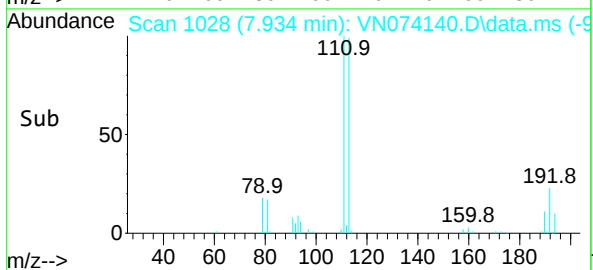
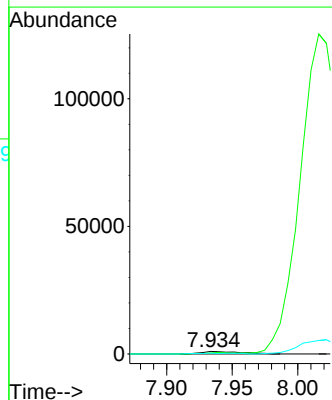
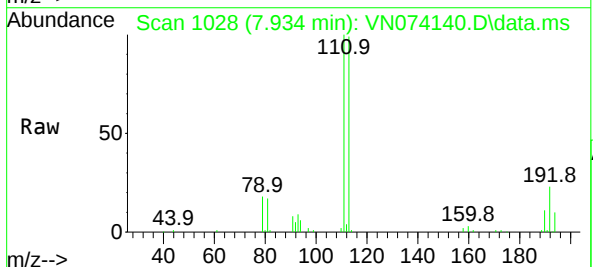
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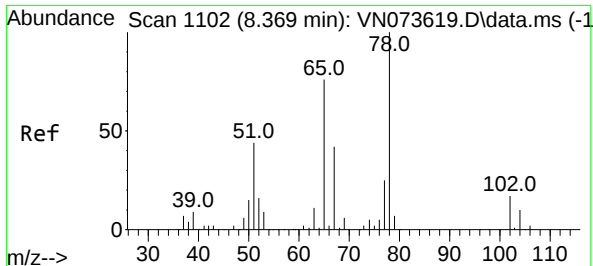
Tgt Ion: 56 Resp: 9553
Ion Ratio Lower Upper
56 100
69 159.4 27.8 41.8#
84 148.8 76.9 115.3#



#32
1,1,1-Trichloroethane
Concen: 0.228 ug/l
RT: 7.934 min Scan# 1028
Delta R.T. -0.011 min
Lab File: VN074140.D
Acq: 26 Aug 2022 16:58

Tgt Ion: 97 Resp: 2005
Ion Ratio Lower Upper
97 100
99 0.0 50.6 76.0#
61 19.4 36.0 54.0#

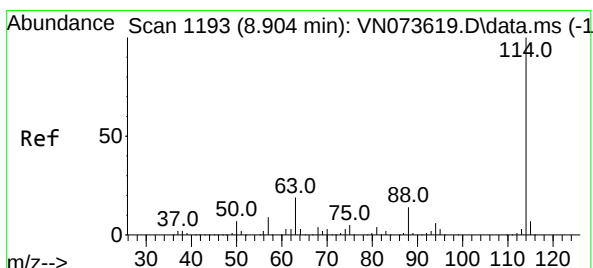
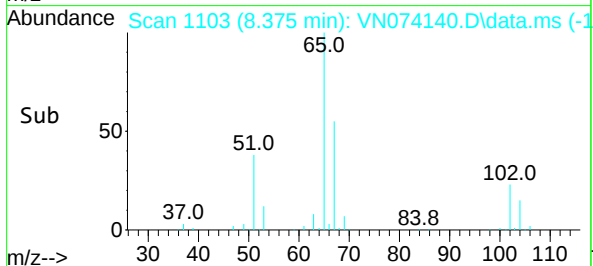
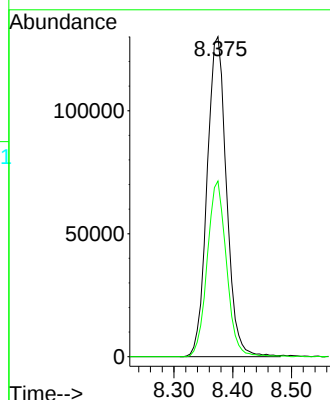
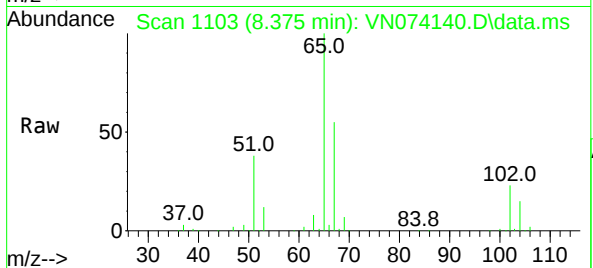




#33
1,2-Dichloroethane-d4
Concen: 53.372 ug/l
RT: 8.375 min Scan# 1103
Delta R.T. 0.006 min
Lab File: VN074140.D
Acq: 26 Aug 2022 16:58

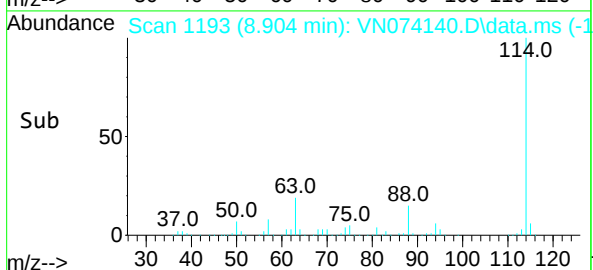
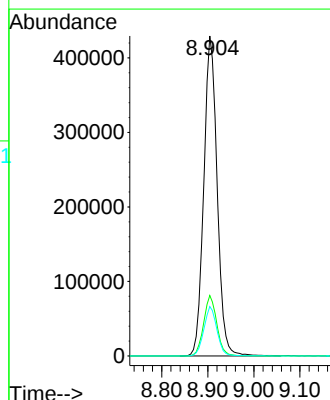
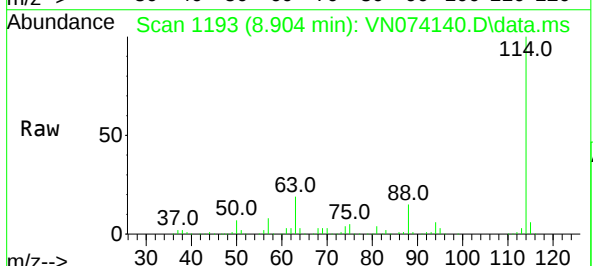
Instrument :
MSVOA_N
ClientSampleId :
MW202D-20220819

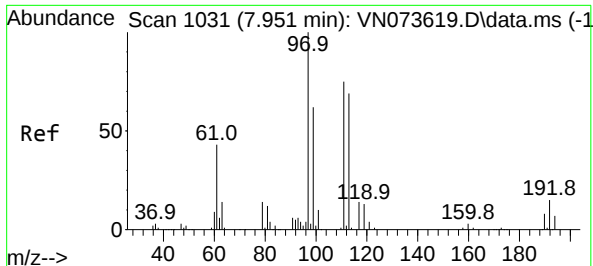
Tgt Ion: 65 Resp: 298743
Ion Ratio Lower Upper
65 100
67 54.4 0.0 104.8



#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.904 min Scan# 1193
Delta R.T. 0.000 min
Lab File: VN074140.D
Acq: 26 Aug 2022 16:58

Tgt Ion: 114 Resp: 871203
Ion Ratio Lower Upper
114 100
63 18.9 0.0 40.0
88 15.4 0.0 32.6





#35

Dibromofluoromethane

Concen: 50.942 ug/l

RT: 7.951 min Scan# 1042

Delta R.T. 0.000 min

Lab File: VN074140.D

Acq: 26 Aug 2022 16:58

Instrument :

MSVOA_N

ClientSampleId :

MW202D-20220819

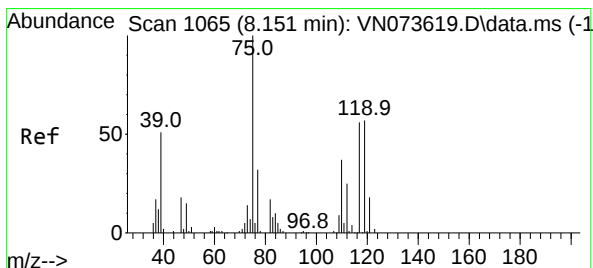
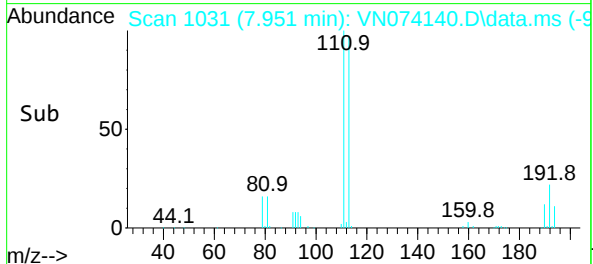
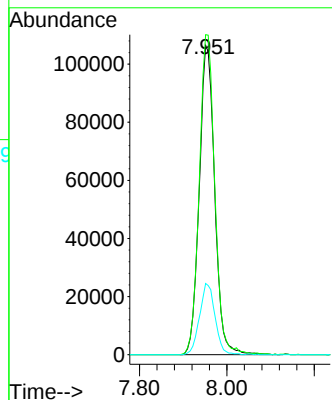
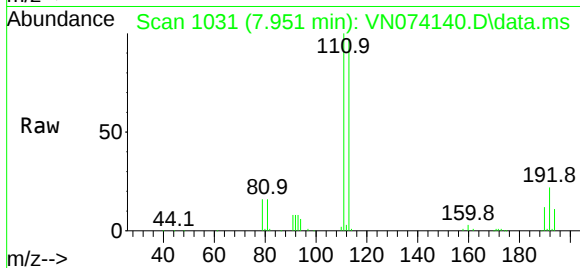
Tgt Ion:113 Resp: 262463

Ion Ratio Lower Upper

113 100

111 103.8 81.4 122.0

192 23.0 17.0 25.6



#36

1,1-Dichloropropene

Concen: 5.306 ug/l

RT: 8.016 min Scan# 1042

Delta R.T. -0.135 min

Lab File: VN074140.D

Acq: 26 Aug 2022 16:58

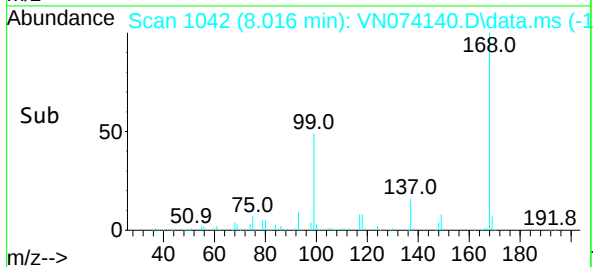
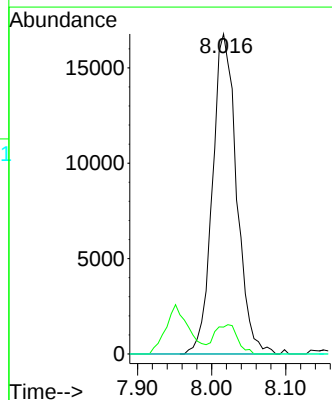
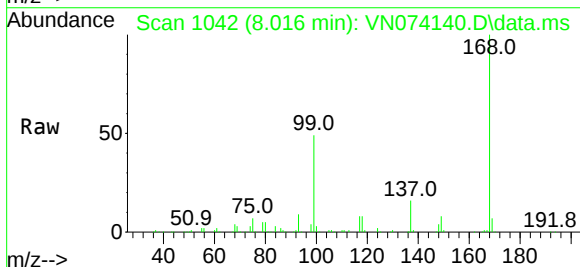
Tgt Ion: 75 Resp: 37973

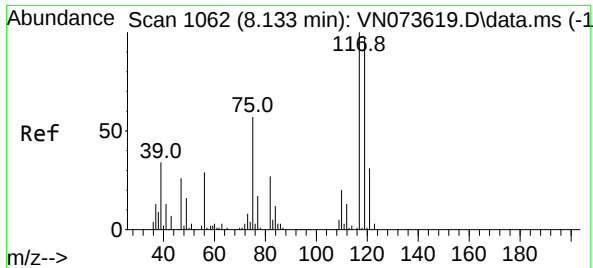
Ion Ratio Lower Upper

75 100

110 8.8 18.3 54.8#

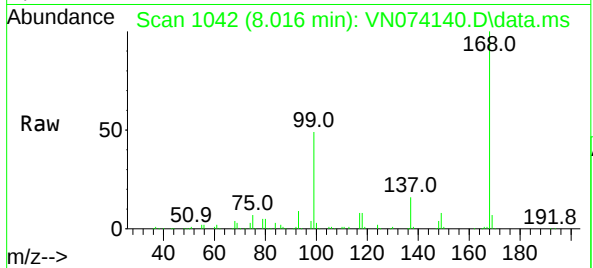
77 0.0 25.1 37.7#



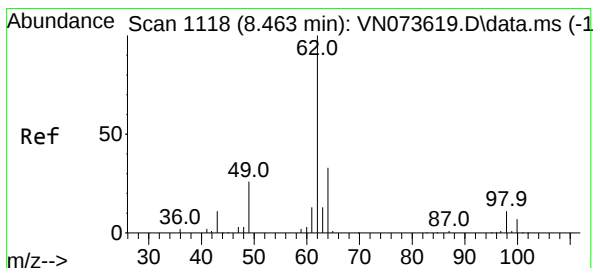
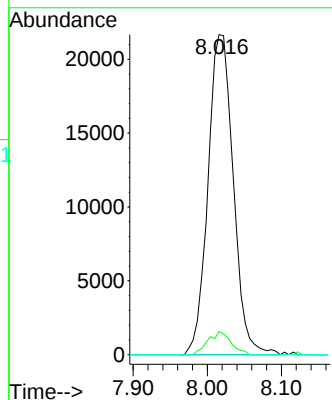
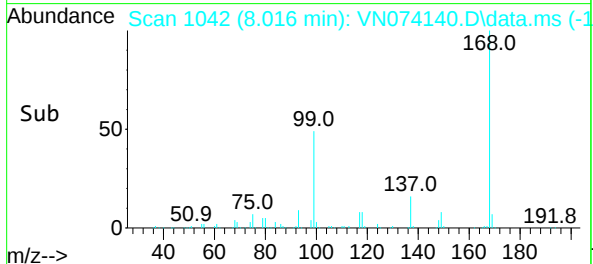


#38
Carbon Tetrachloride
Concen: 6.289 ug/l
RT: 8.016 min Scan# 1119
Delta R.T. -0.117 min
Lab File: VN074140.D
Acq: 26 Aug 2022 16:58

Instrument :
MSVOA_N
ClientSampleId :
MW202D-20220819

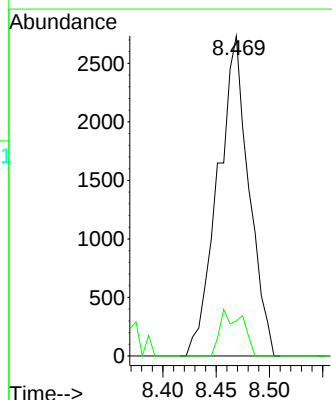
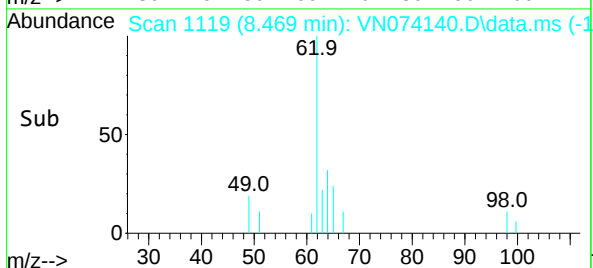
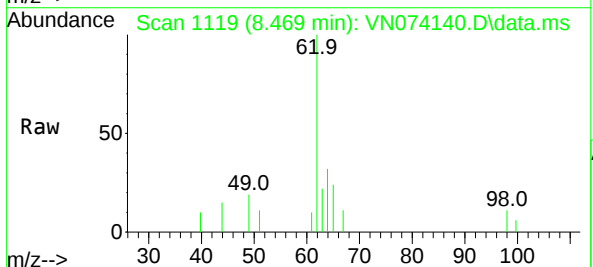


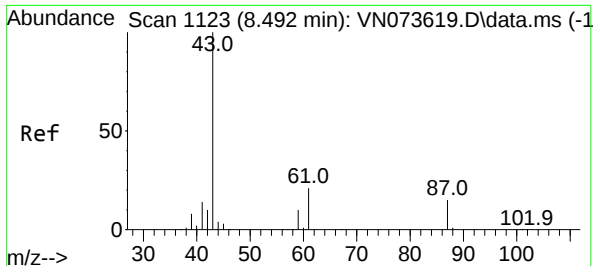
Tgt Ion:117 Resp: 51439
Ion Ratio Lower Upper
117 100
119 7.2 75.8 113.8#
121 0.0 24.6 37.0#



#42
1,2-Dichloroethane
Concen: 0.714 ug/l
RT: 8.469 min Scan# 1119
Delta R.T. 0.006 min
Lab File: VN074140.D
Acq: 26 Aug 2022 16:58

Tgt Ion: 62 Resp: 5544
Ion Ratio Lower Upper
62 100
98 10.4 0.0 19.4





#43

Isopropyl Acetate

Concen: 0.268 ug/l

RT: 8.634 min Scan# 1123

Delta R.T. 0.142 min

Lab File: VN074140.D

Acq: 26 Aug 2022 16:58

Instrument :

MSVOA_N

ClientSampleId :

MW202D-20220819

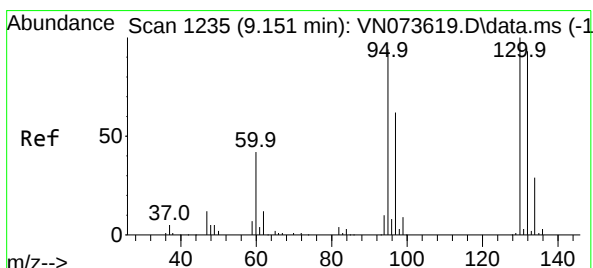
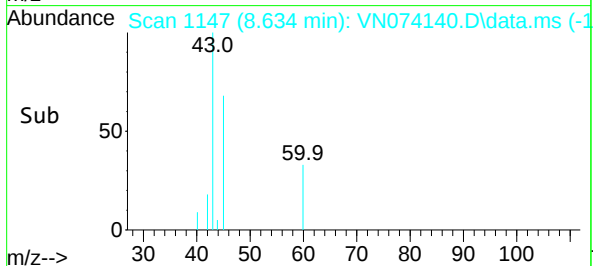
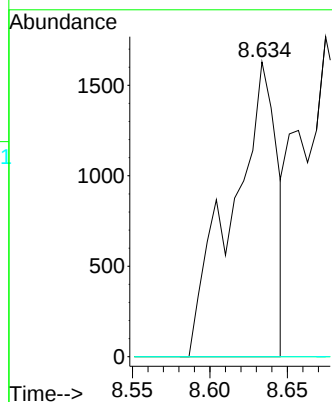
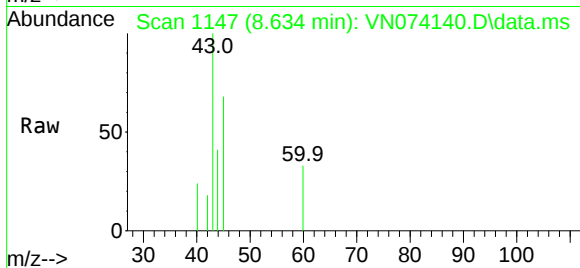
Tgt Ion: 43 Resp: 3307

Ion Ratio Lower Upper

43 100

61 0.0 21.9 32.9#

87 0.0 12.0 18.0#



#44

Trichloroethene

Concen: 21.219 ug/l

RT: 9.151 min Scan# 1235

Delta R.T. 0.000 min

Lab File: VN074140.D

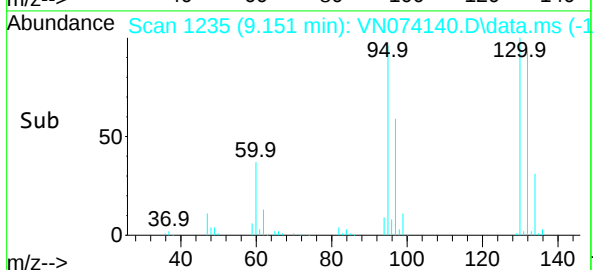
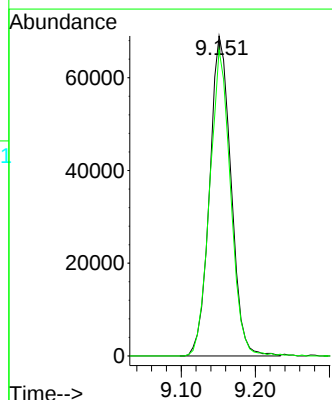
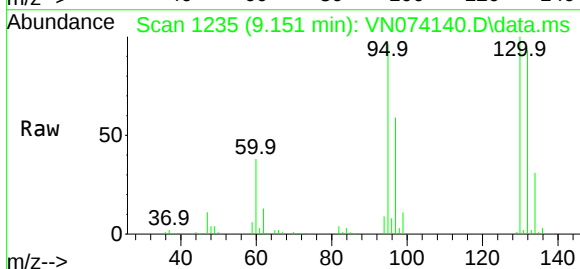
Acq: 26 Aug 2022 16:58

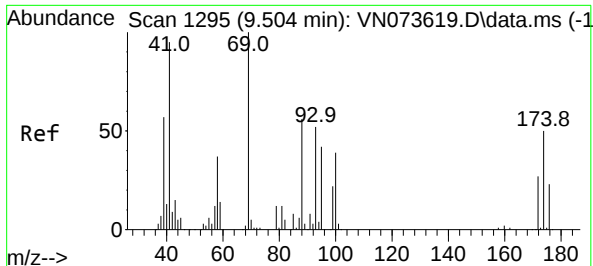
Tgt Ion:130 Resp: 138421

Ion Ratio Lower Upper

130 100

95 95.6 0.0 186.8

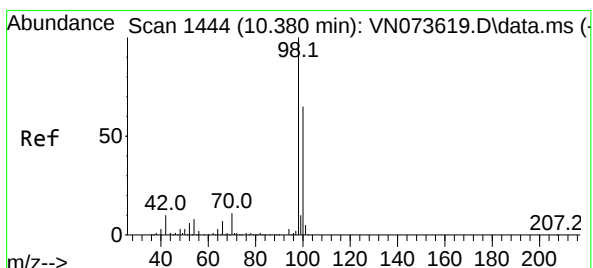
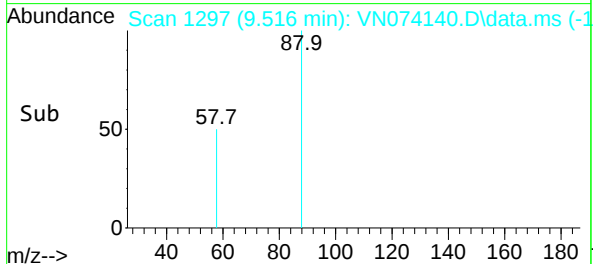
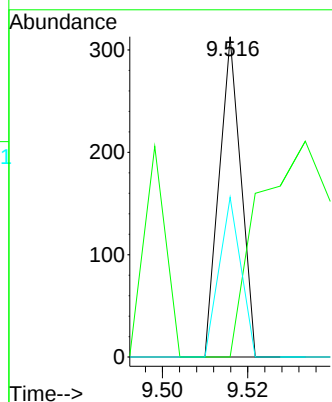
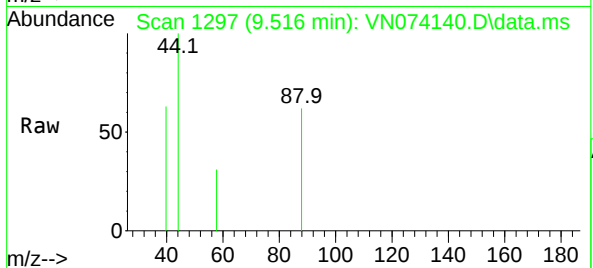




#49
1,4-Dioxane
Concen: 0.700 ug/l
RT: 9.516 min Scan# 1297
Delta R.T. 0.012 min
Lab File: VN074140.D
Acq: 26 Aug 2022 16:58

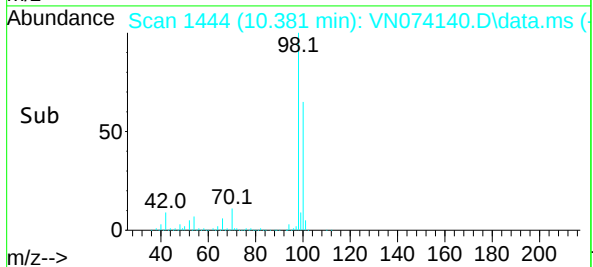
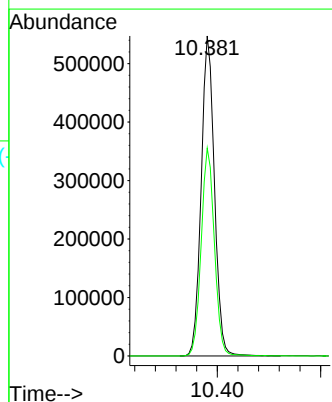
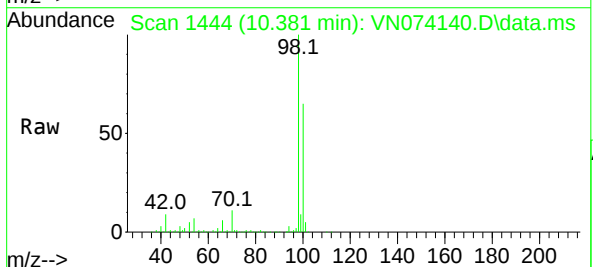
Instrument :
MSVOA_N
ClientSampleId :
MW202D-20220819

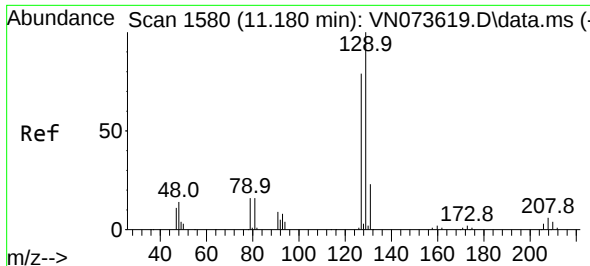
Tgt Ion: 88 Resp: 110
Ion Ratio Lower Upper
88 100
43 66.4 20.2 30.4#
58 50.0 54.2 81.4#



#50
Toluene-d8
Concen: 48.779 ug/l
RT: 10.381 min Scan# 1444
Delta R.T. 0.000 min
Lab File: VN074140.D
Acq: 26 Aug 2022 16:58

Tgt Ion: 98 Resp: 973344
Ion Ratio Lower Upper
98 100
100 65.0 52.6 78.8

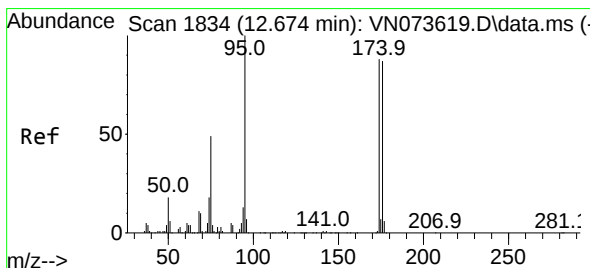
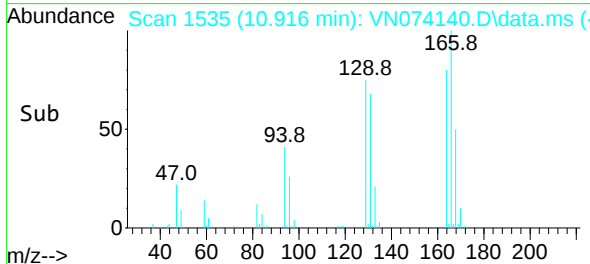
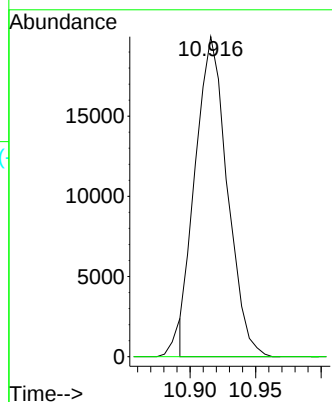
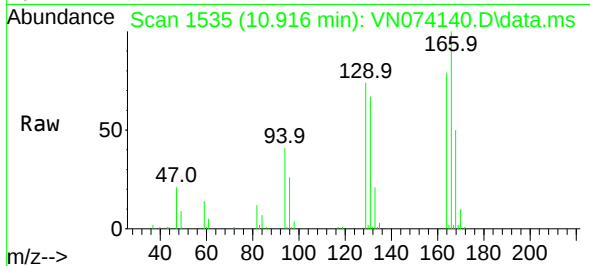




#60
Dibromochloromethane
Concen: 5.067 ug/l
RT: 10.916 min Scan# 11
Delta R.T. -0.264 min
Lab File: VN074140.D
Acq: 26 Aug 2022 16:58

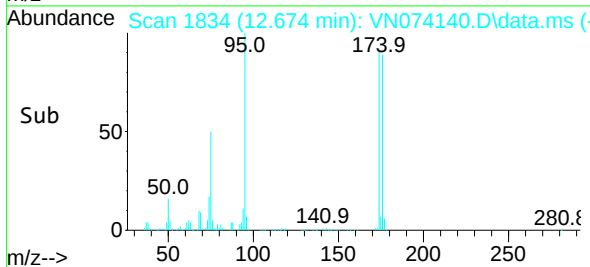
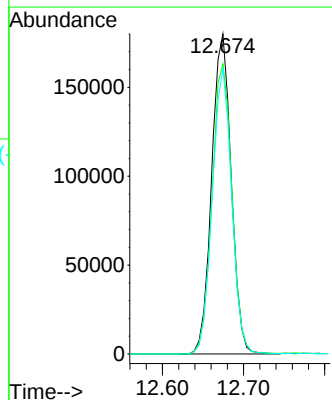
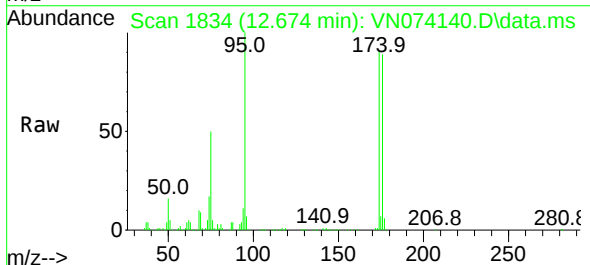
Instrument :
MSVOA_N
ClientSampleId :
MW202D-20220819

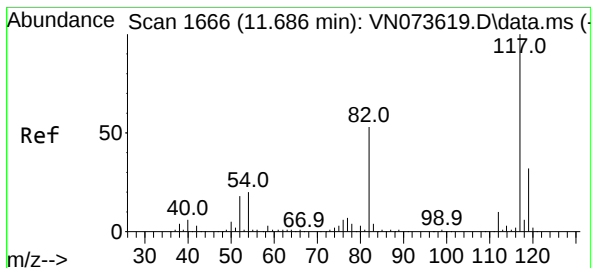
Tgt Ion:129 Resp: 33759
Ion Ratio Lower Upper
129 100
127 0.0 38.8 116.4#



#62
4-Bromofluorobenzene
Concen: 45.247 ug/l
RT: 12.674 min Scan# 1834
Delta R.T. 0.000 min
Lab File: VN074140.D
Acq: 26 Aug 2022 16:58

Tgt Ion: 95 Resp: 299640
Ion Ratio Lower Upper
95 100
174 92.7 0.0 167.6
176 88.9 0.0 163.4





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.686 min Scan# 1

Delta R.T. 0.000 min

Lab File: VN074140.D

Acq: 26 Aug 2022 16:58

Instrument :

MSVOA_N

ClientSampleId :

MW202D-20220819

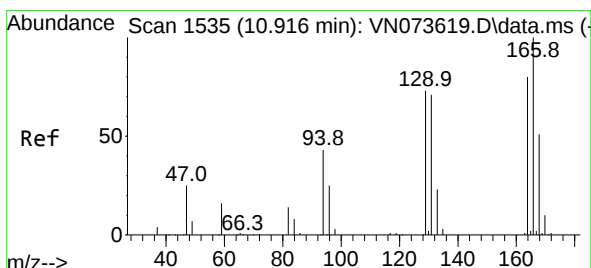
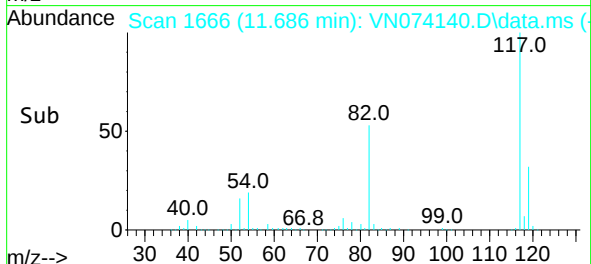
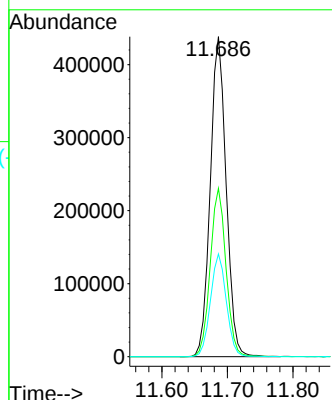
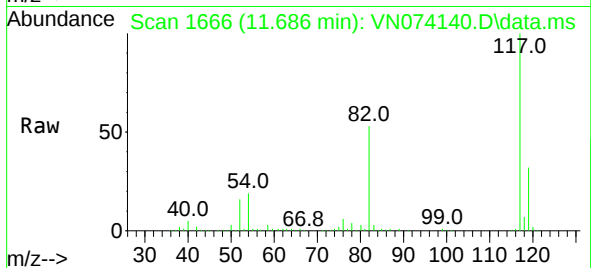
Tgt Ion:117 Resp: 736914

Ion Ratio Lower Upper

117 100

82 52.6 44.2 66.2

119 32.1 25.4 38.0



#64

Tetrachloroethene

Concen: 6.398 ug/l

RT: 10.916 min Scan# 1535

Delta R.T. -0.000 min

Lab File: VN074140.D

Acq: 26 Aug 2022 16:58

Tgt Ion:164 Resp: 37214

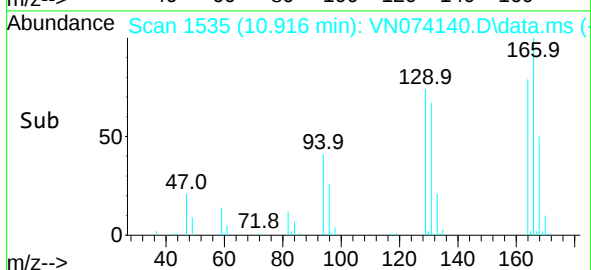
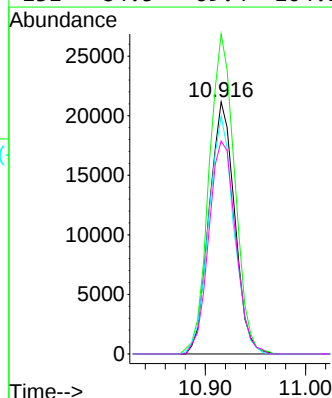
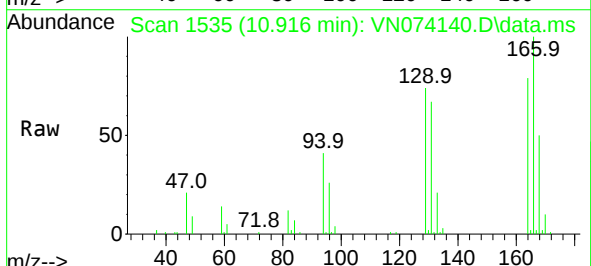
Ion Ratio Lower Upper

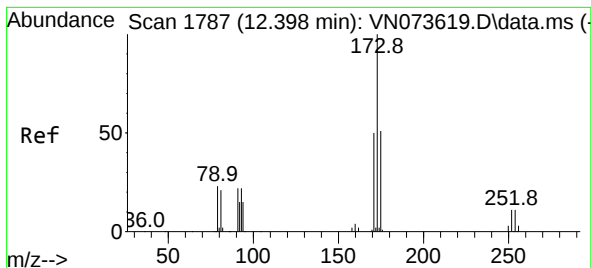
164 100

166 127.0 104.2 156.2

129 94.4 73.9 110.9

131 84.5 69.4 104.2





#71

Bromoform

Concen: 0.295 ug/l

RT: 12.669 min Scan# 1833

Delta R.T. 0.271 min

Lab File: VN074140.D

Acq: 26 Aug 2022 16:58

Instrument :

MSVOA_N

ClientSampleId :

MW202D-20220819

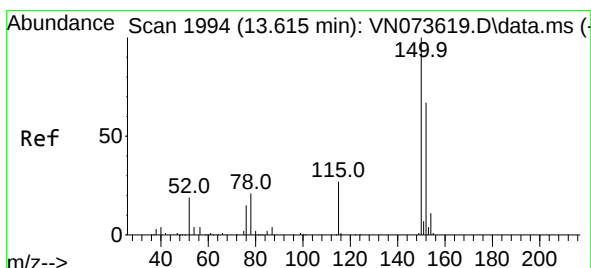
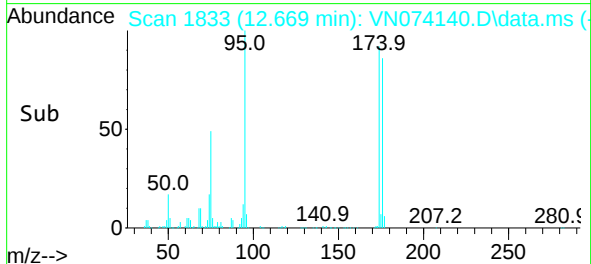
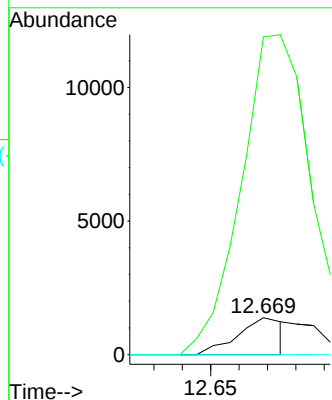
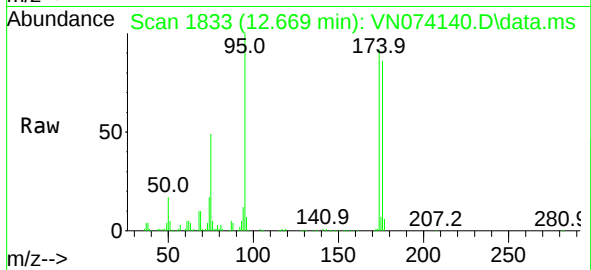
Tgt Ion:173 Resp: 1561

Ion Ratio Lower Upper

173 100

175 0.0 24.6 73.6#

254 0.0 0.1 0.1#



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.616 min Scan# 1994

Delta R.T. 0.001 min

Lab File: VN074140.D

Acq: 26 Aug 2022 16:58

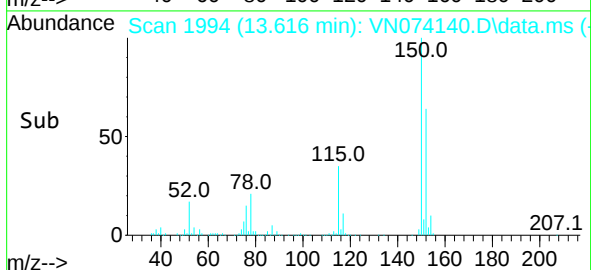
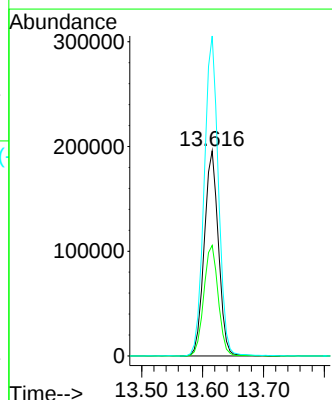
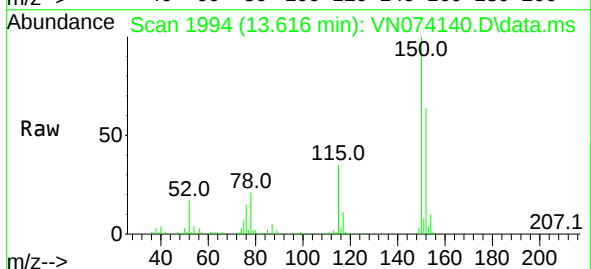
Tgt Ion:152 Resp: 317570

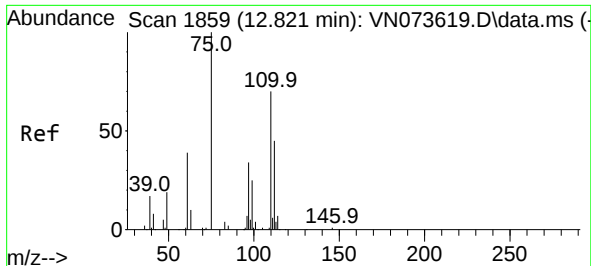
Ion Ratio Lower Upper

152 100

115 54.8 28.9 86.7

150 156.2 0.0 356.2

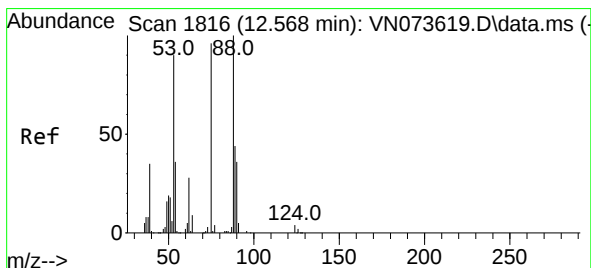
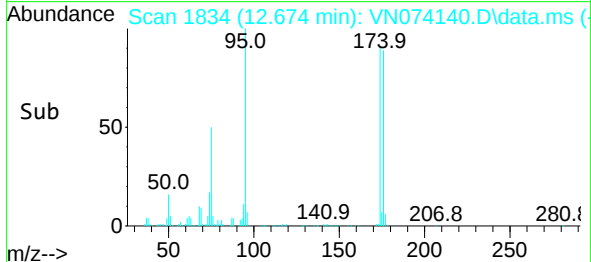
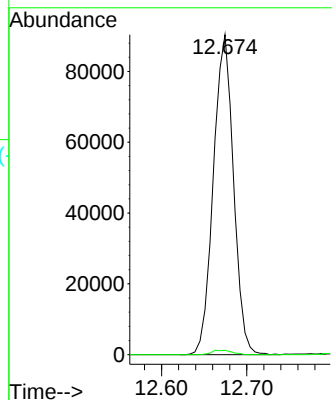
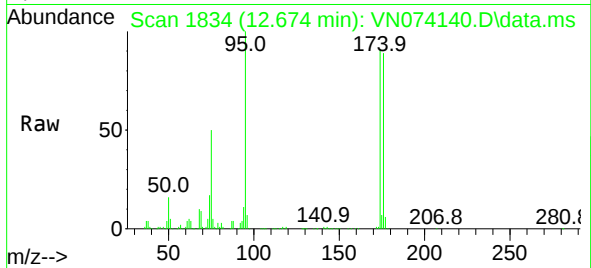




#76
1,2,3-Trichloropropane
Concen: 22.491 ug/l
RT: 12.674 min Scan# 1834
Delta R.T. -0.147 min
Lab File: VN074140.D
Acq: 26 Aug 2022 16:58

Instrument :
MSVOA_N
ClientSampleId :
MW202D-20220819

Tgt Ion: 75 Resp: 148454
Ion Ratio Lower Upper
75 100
77 1.4 98.5 295.5#



#81
trans-1,4-Dichloro-2-butene
Concen: 63.968 ug/l
RT: 12.674 min Scan# 1834
Delta R.T. 0.106 min
Lab File: VN074140.D
Acq: 26 Aug 2022 16:58

Tgt Ion: 75 Resp: 148454
Ion Ratio Lower Upper
75 100
53 0.0 78.0 117.0#
89 0.0 37.2 55.8#

