

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN082422\
 Data File : VN074098.D
 Acq On : 24 Aug 2022 17:54
 Operator : JC\MD
 Sample : N4280-04
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Aug 25 07:55:39 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N081522W.M
 Quant Title : SW846 8260
 QLast Update : Tue Aug 16 00:45:21 2022
 Response via : Initial Calibration

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

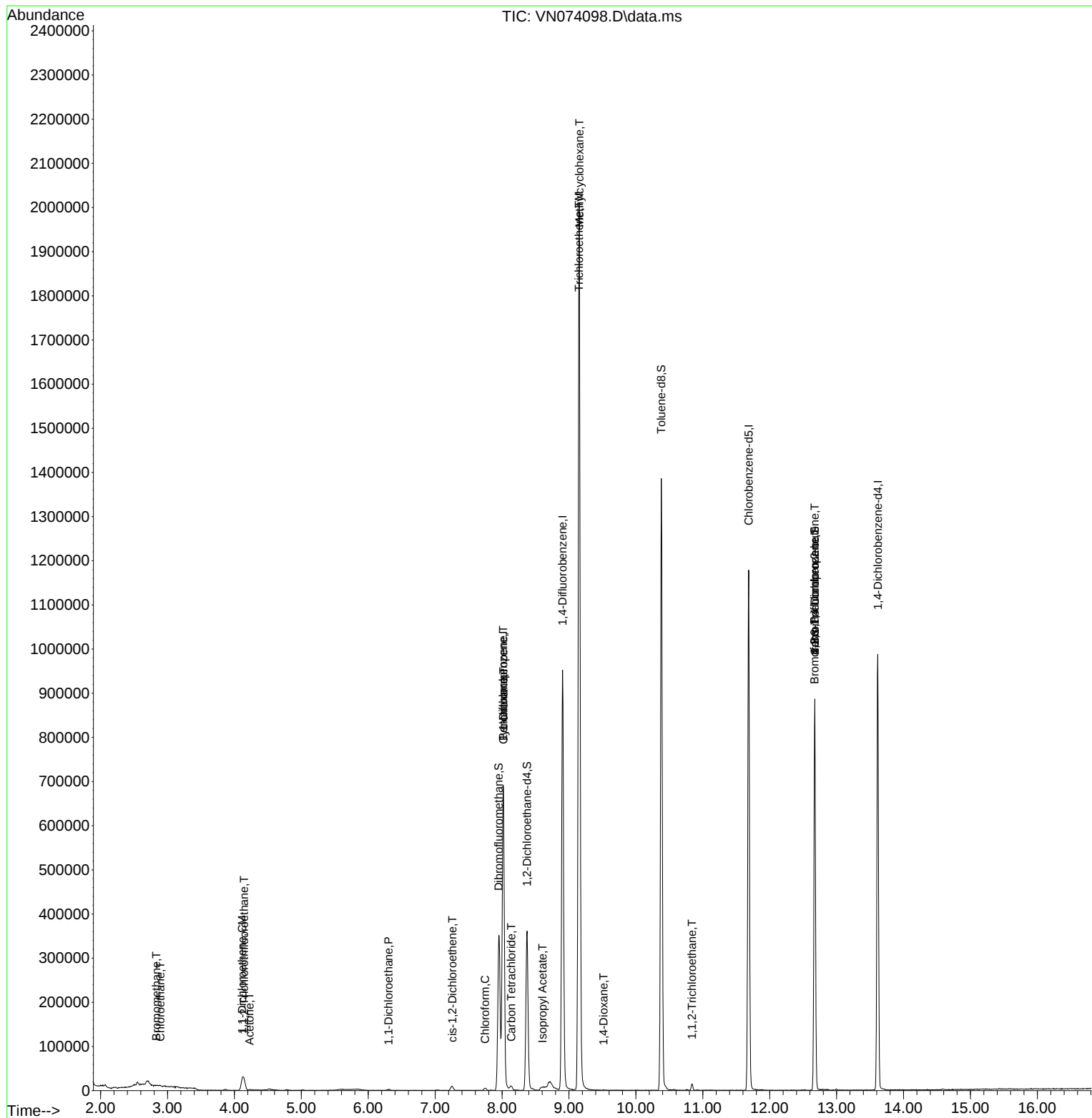
Internal Standards						
1) Pentafluorobenzene	8.016	168	572852	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.904	114	876594	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.686	117	721506	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.615	152	289664	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.375	65	301793	54.089	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	=	108.180%
35) Dibromofluoromethane	7.951	113	265745	51.262	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	102.520%
50) Toluene-d8	10.380	98	974846	48.554	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	=	97.100%
62) 4-Bromofluorobenzene	12.674	95	290036	43.527	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	=	87.060%
Target Compounds						
					Qvalue	
5) Bromomethane	2.834	94	1443	0.356	ug/l #	59
6) Chloroethane	2.893	64	2146	0.468	ug/l #	53
9) 1,1,2-Trichlorotrifluo...	4.145	101	16164	3.326	ug/l	98
12) 1,1-Dichloroethene	4.116	96	10592	2.343	ug/l #	78
16) Acetone	4.228	43	3990	1.516	ug/l #	85
18) Methyl Acetate	4.781	43	3479	Below Cal	#	89
24) 1,1-Dichloroethane	6.304	63	3875	0.438	ug/l #	82
27) cis-1,2-Dichloroethene	7.257	96	6516	1.060	ug/l	85
30) Chloroform	7.745	83	5433	0.550	ug/l #	84
31) Cyclohexane	8.022	56	9867	1.269	ug/l #	1
36) 1,1-Dichloropropene	8.016	75	37427	5.198	ug/l #	49
38) Carbon Tetrachloride	8.139	117	7562	0.919	ug/l	94
39) Methylcyclohexane	9.157	83	9043	1.002	ug/l #	1
43) Isopropyl Acetate	8.604	43	5907	0.475	ug/l #	53
44) Trichloroethene	9.151	130	779931	118.821	ug/l	100
49) 1,4-Dioxane	9.516	88	554	3.503	ug/l #	66
55) 1,1,2-Trichloroethane	10.839	97	4756	0.785	ug/l	95
71) Bromoform	12.668	173	1660	0.320	ug/l #	28
76) 1,2,3-Trichloropropane	12.674	75	142909	23.737	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.674	75	142909	67.511	ug/l #	10

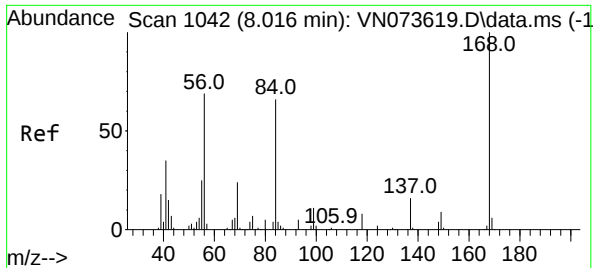
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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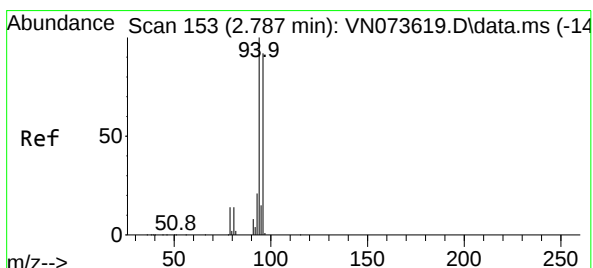
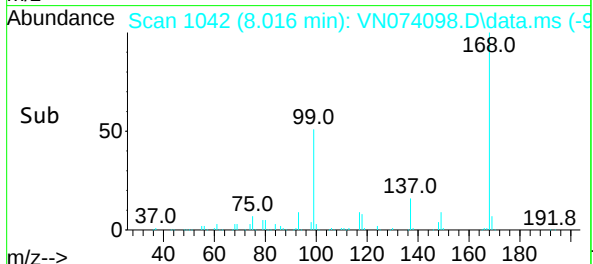
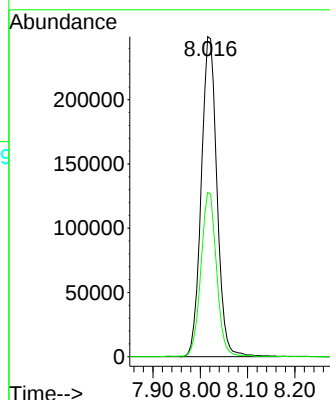
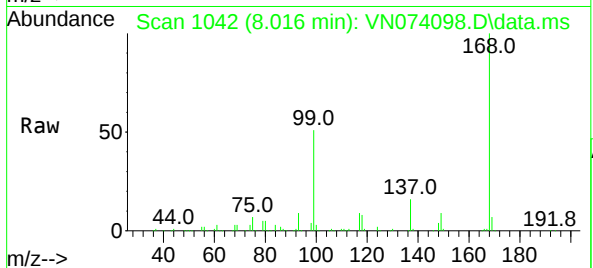




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.016 min Scan# 11
Delta R.T. -0.000 min
Lab File: VN074098.D
Acq: 24 Aug 2022 17:54

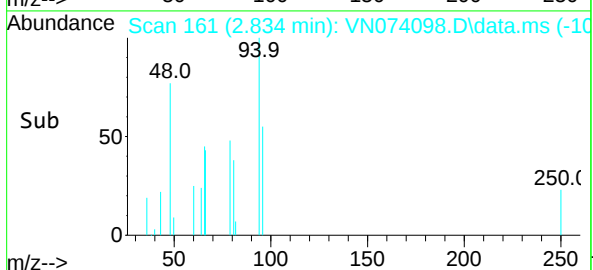
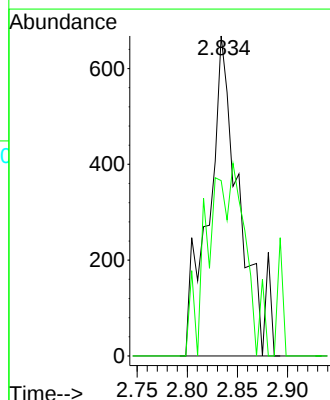
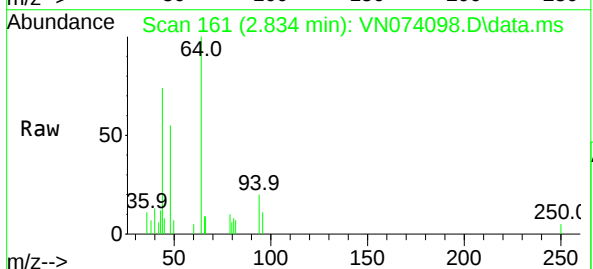
Instrument :
MSVOA_N
ClientSampleId :

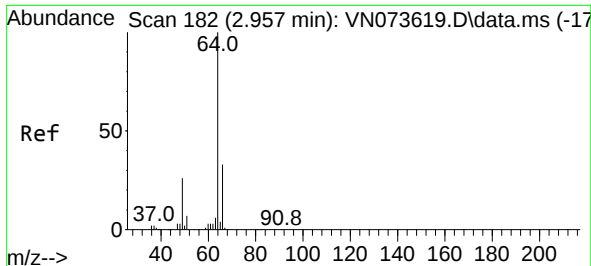
Tgt Ion:168 Resp: 572852
Ion Ratio Lower Upper
168 100
99 51.2 42.3 63.5



#5
Bromomethane
Concen: 0.356 ug/l
RT: 2.834 min Scan# 161
Delta R.T. 0.047 min
Lab File: VN074098.D
Acq: 24 Aug 2022 17:54

Tgt Ion: 94 Resp: 1443
Ion Ratio Lower Upper
94 100
96 54.8 76.0 114.0#

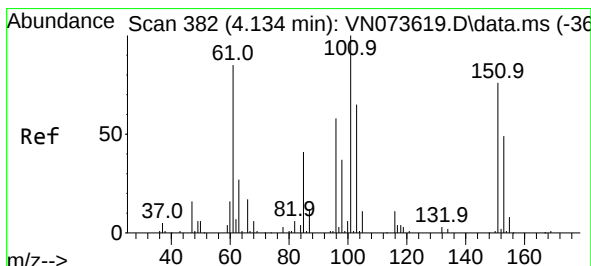
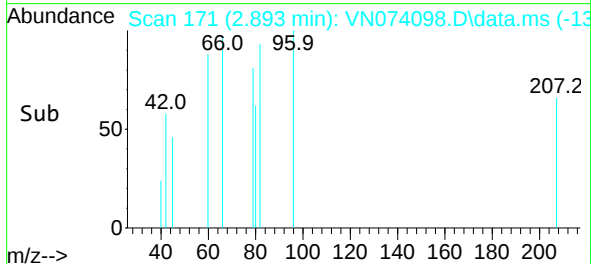
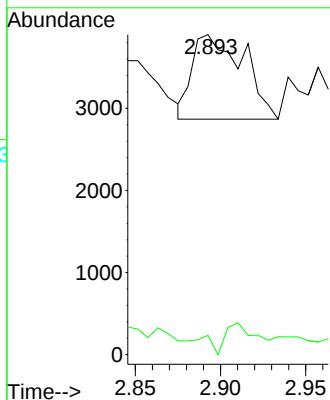
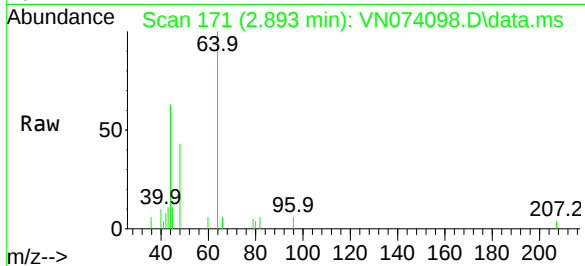




#6
Chloroethane
Concen: 0.468 ug/l
RT: 2.893 min Scan# 11
Delta R.T. -0.064 min
Lab File: VN074098.D
Acq: 24 Aug 2022 17:54

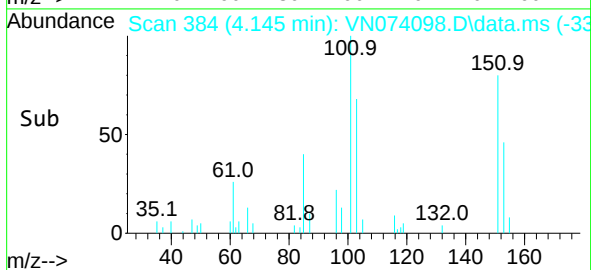
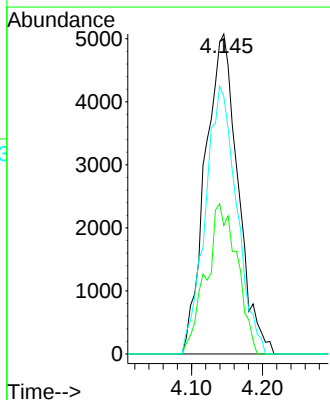
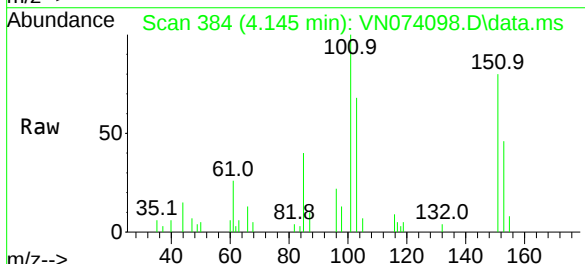
Instrument :
MSVOA_N
ClientSampleId :

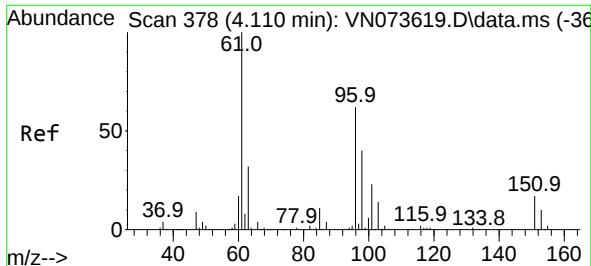
Tgt Ion: 64 Resp: 2146
Ion Ratio Lower Upper
64 100
66 6.5 26.2 39.4#



#9
1,1,2-Trichlorotrifluoroethane
Concen: 3.326 ug/l
RT: 4.145 min Scan# 384
Delta R.T. 0.011 min
Lab File: VN074098.D
Acq: 24 Aug 2022 17:54

Tgt Ion: 101 Resp: 16164
Ion Ratio Lower Upper
101 100
85 44.8 34.7 52.1
151 80.9 63.0 94.4





#12

1,1-Dichloroethene

Concen: 2.343 ug/l

RT: 4.116 min Scan# 31

Delta R.T. 0.006 min

Lab File: VN074098.D

Acq: 24 Aug 2022 17:54

Instrument :

MSVOA_N

ClientSampleId :

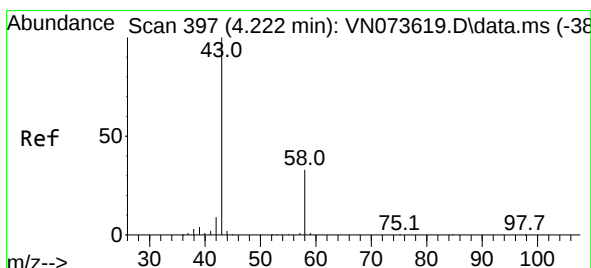
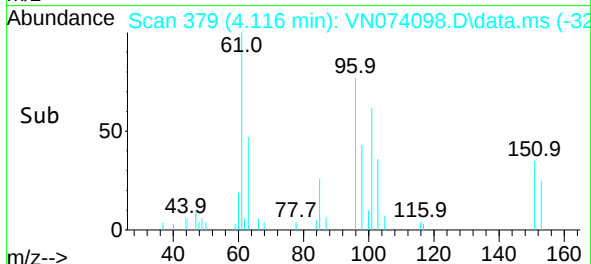
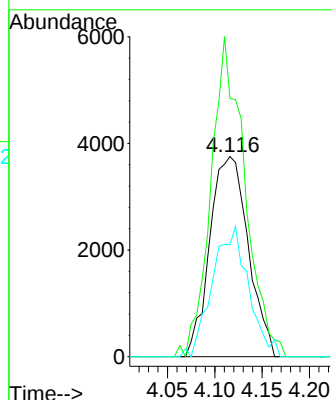
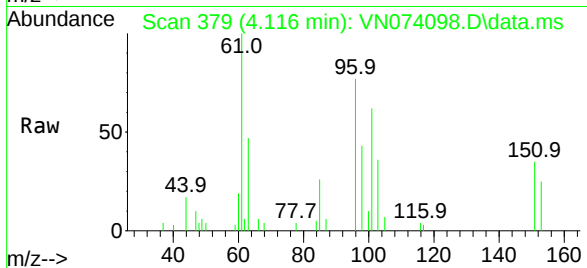
Tgt Ion: 96 Resp: 10592

Ion Ratio Lower Upper

96 100

61 123.7 127.6 191.4#

98 56.0 51.2 76.8



#16

Acetone

Concen: 1.516 ug/l

RT: 4.228 min Scan# 398

Delta R.T. 0.006 min

Lab File: VN074098.D

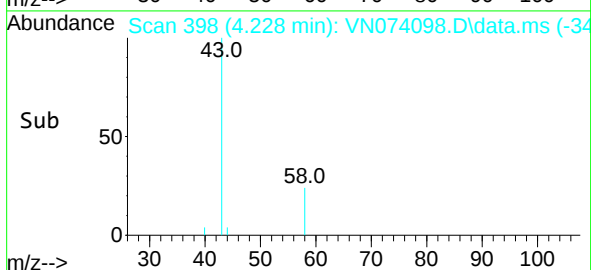
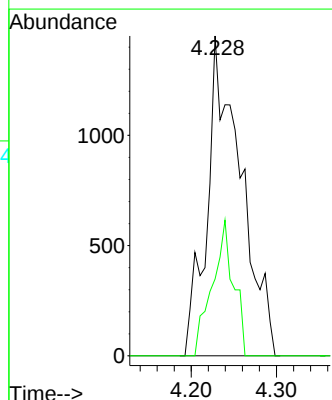
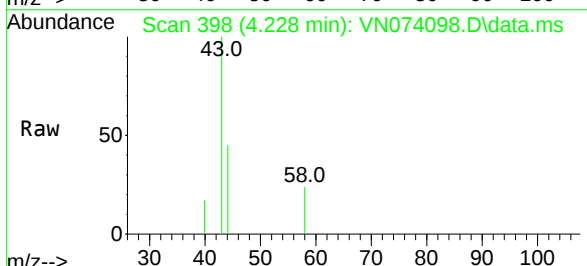
Acq: 24 Aug 2022 17:54

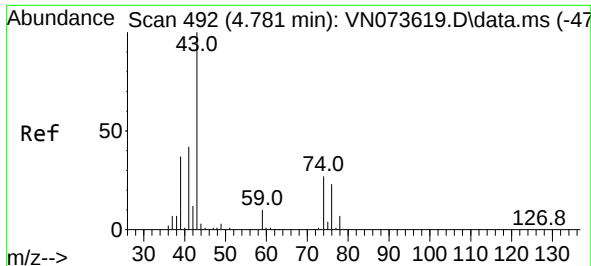
Tgt Ion: 43 Resp: 3990

Ion Ratio Lower Upper

43 100

58 24.1 26.0 39.0#

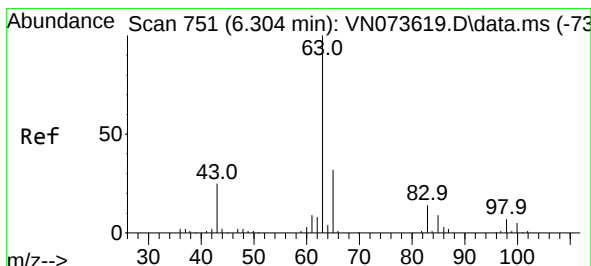
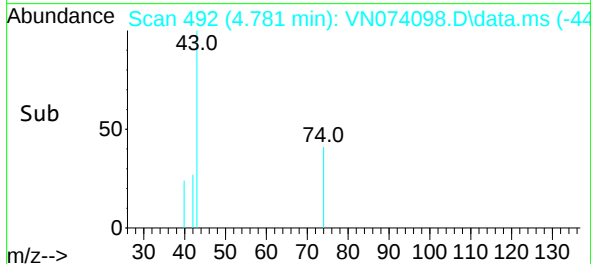
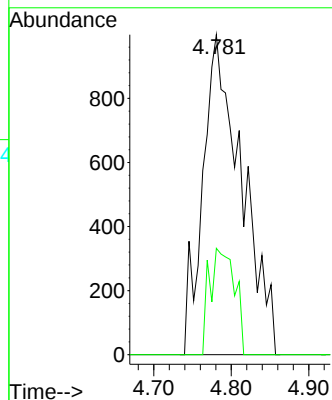
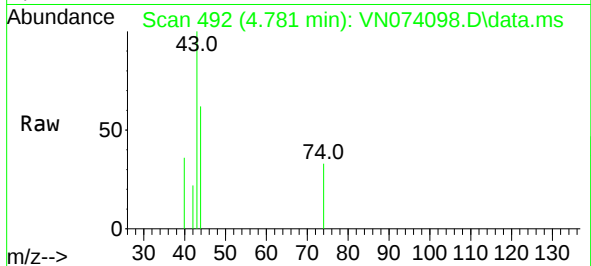




#18
Methyl Acetate
Concen: Below Cal
RT: 4.781 min Scan# 492
Delta R.T. -0.000 min
Lab File: VN074098.D
Acq: 24 Aug 2022 17:54

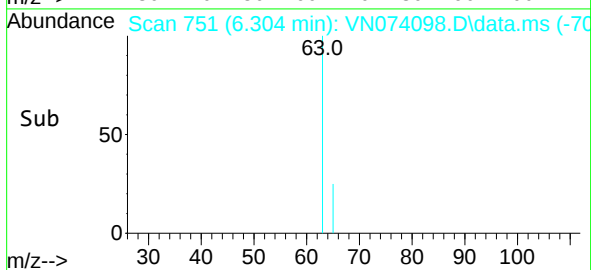
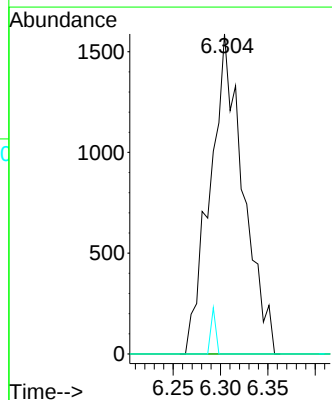
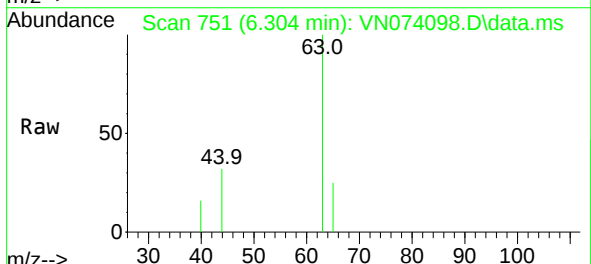
Instrument :
MSVOA_N
ClientSampleId :

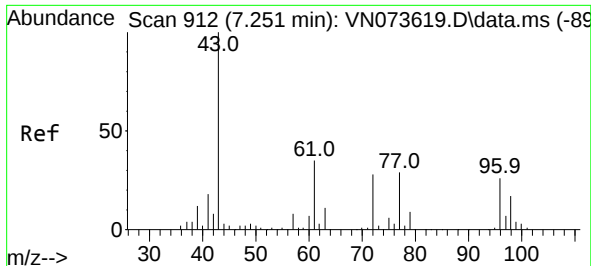
Tgt Ion: 43 Resp: 3479
Ion Ratio Lower Upper
43 100
74 21.5 21.6 32.4#



#24
1,1-Dichloroethane
Concen: 0.438 ug/l
RT: 6.304 min Scan# 751
Delta R.T. 0.000 min
Lab File: VN074098.D
Acq: 24 Aug 2022 17:54

Tgt Ion: 63 Resp: 3875
Ion Ratio Lower Upper
63 100
98 0.0 3.5 10.4#
100 0.0 2.3 6.8#





#27

cis-1,2-Dichloroethene

Concen: 1.060 ug/l

RT: 7.257 min Scan# 912

Delta R.T. 0.006 min

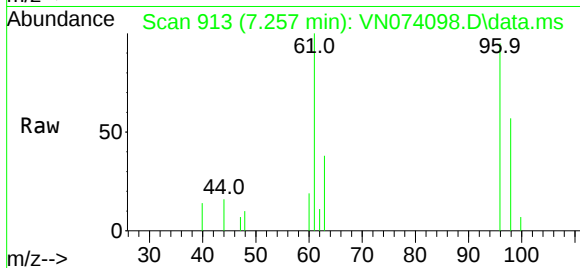
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Acq: 24 Aug 2022 17:54

Instrument :

MSVOA_N

ClientSampleId :



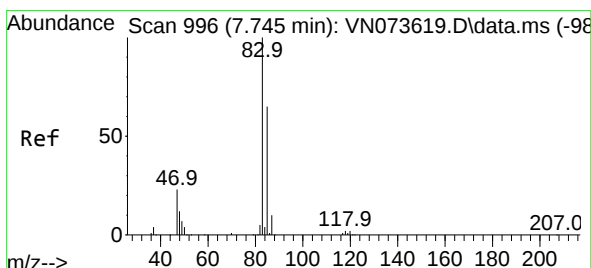
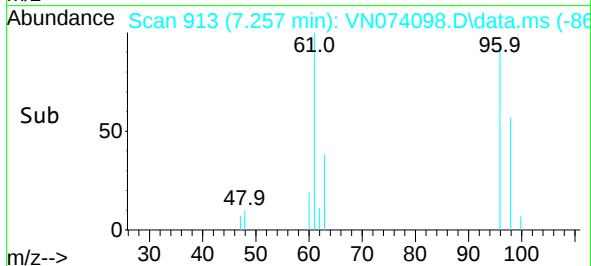
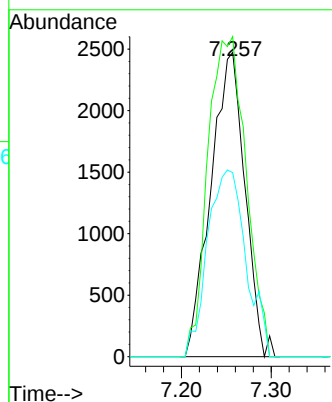
Tgt Ion: 96 Resp: 6516

Ion Ratio Lower Upper

96 100

61 117.5 0.0 280.6

98 69.3 0.0 128.4



#30

Chloroform

Concen: 0.550 ug/l

RT: 7.745 min Scan# 996

Delta R.T. 0.000 min

Lab File: VN074098.D

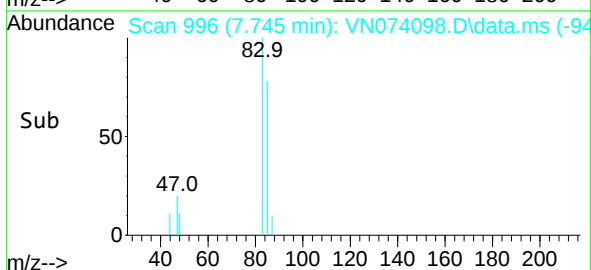
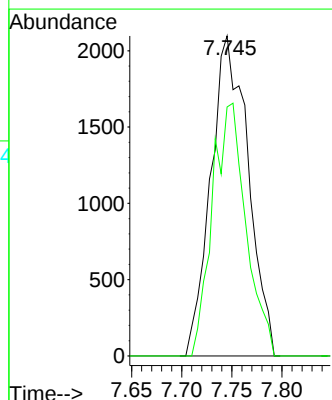
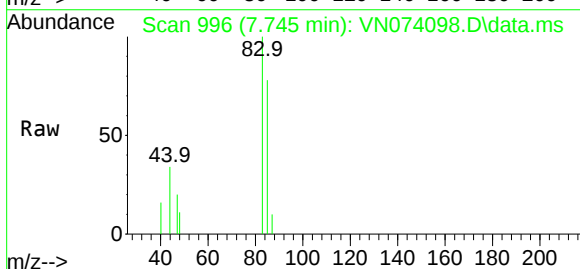
Acq: 24 Aug 2022 17:54

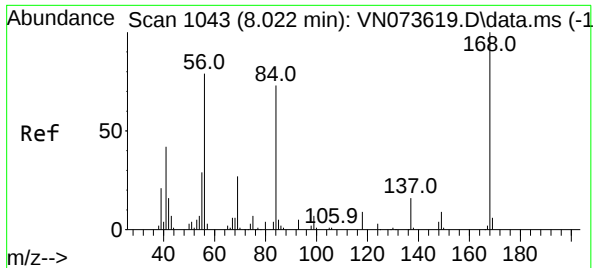
Tgt Ion: 83 Resp: 5433

Ion Ratio Lower Upper

83 100

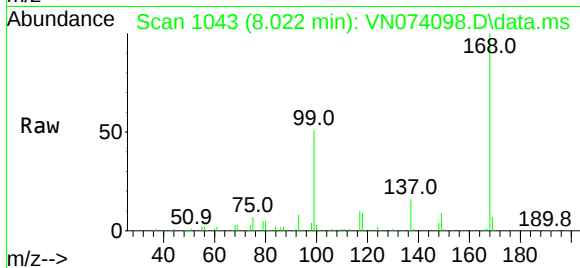
85 77.8 51.8 77.8#



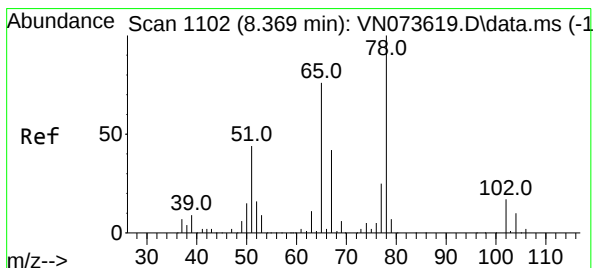
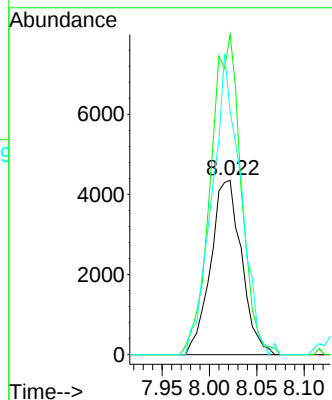
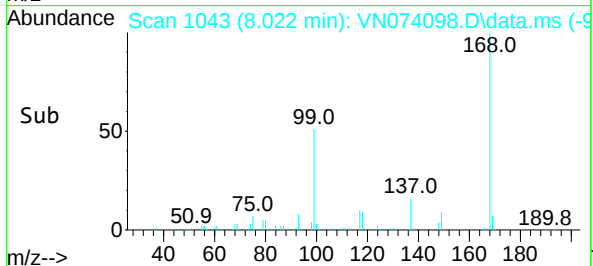


#31
Cyclohexane
Concen: 1.269 ug/l
RT: 8.022 min Scan# 1103
Delta R.T. -0.000 min
Lab File: VN074098.D
Acq: 24 Aug 2022 17:54

Instrument :
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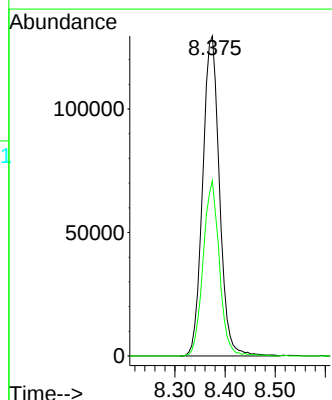
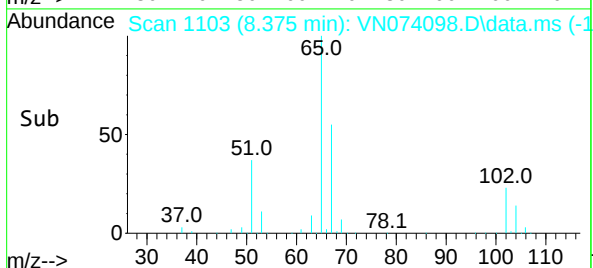
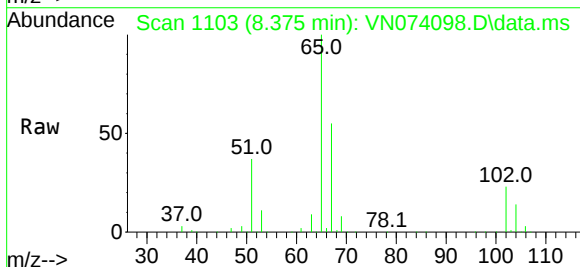


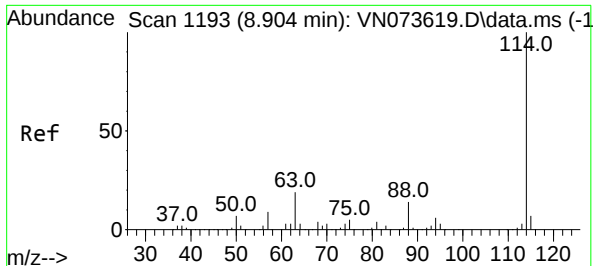
Tgt Ion: 56 Resp: 9867
Ion Ratio Lower Upper
56 100
69 183.5 27.8 41.8#
84 139.5 76.9 115.3#



#33
1,2-Dichloroethane-d4
Concen: 54.089 ug/l
RT: 8.375 min Scan# 1103
Delta R.T. 0.006 min
Lab File: VN074098.D
Acq: 24 Aug 2022 17:54

Tgt Ion: 65 Resp: 301793
Ion Ratio Lower Upper
65 100
67 52.9 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: VN074098.D

Acq: 24 Aug 2022 17:54

Instrument :

MSVOA_N

ClientSampleId :

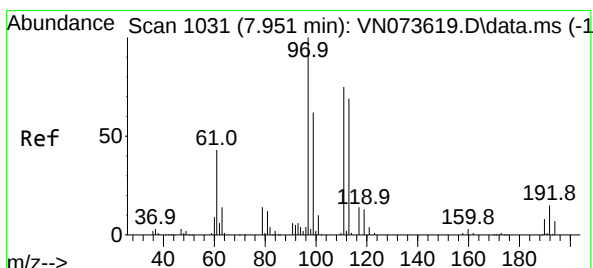
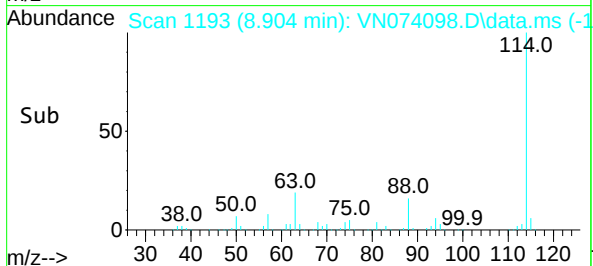
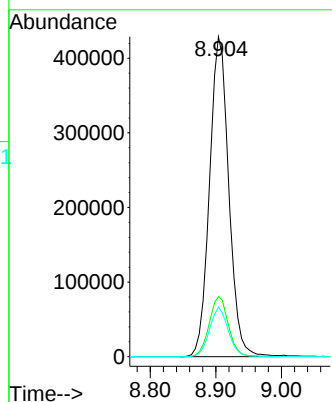
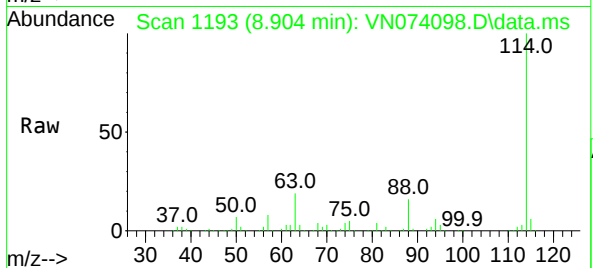
Tgt Ion:114 Resp: 876594

Ion Ratio Lower Upper

114 100

63 18.8 0.0 40.0

88 15.5 0.0 32.6



#35

Dibromofluoromethane

Concen: 51.262 ug/l

RT: 7.951 min Scan# 1031

Delta R.T. 0.000 min

Lab File: VN074098.D

Acq: 24 Aug 2022 17:54

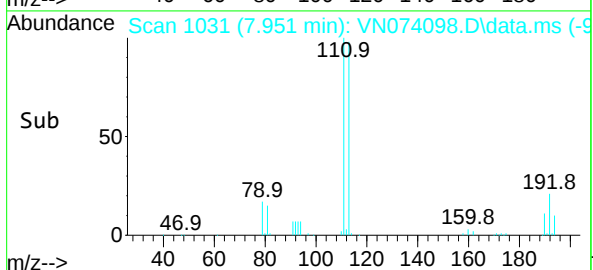
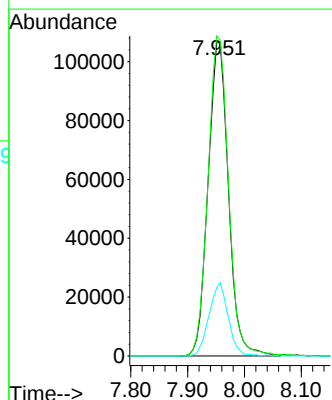
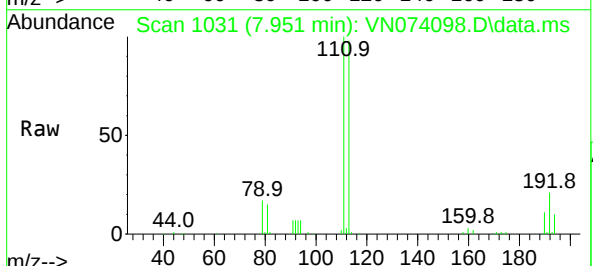
Tgt Ion:113 Resp: 265745

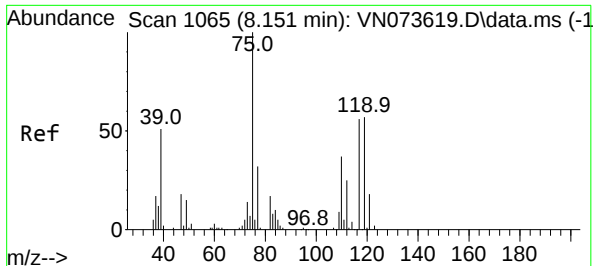
Ion Ratio Lower Upper

113 100

111 102.6 81.4 122.0

192 21.9 17.0 25.6





#36

1,1-Dichloropropene

Concen: 5.198 ug/l

RT: 8.016 min Scan# 1

Delta R.T. -0.135 min

Lab File: VN074098.D

Acq: 24 Aug 2022 17:54

Instrument :

MSVOA_N

ClientSampleId :

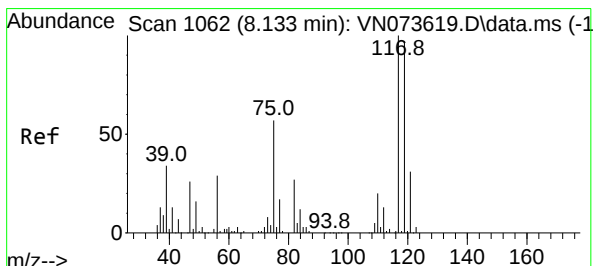
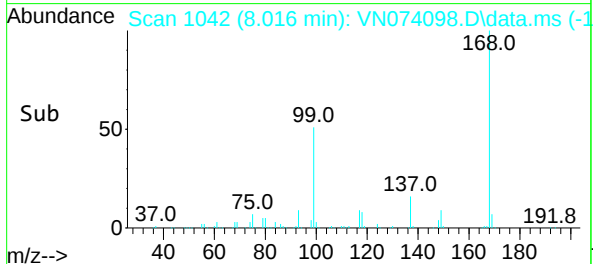
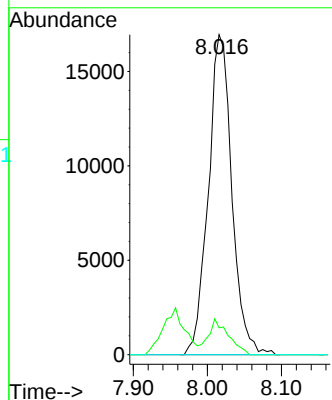
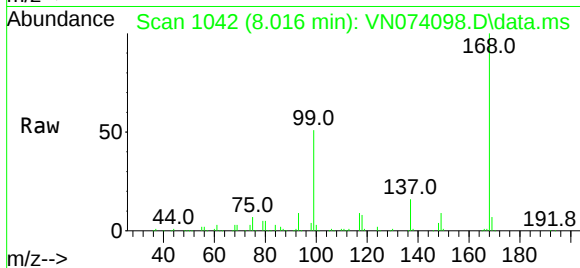
Tgt Ion: 75 Resp: 37427

Ion Ratio Lower Upper

75 100

110 9.6 18.3 54.8#

77 0.0 25.1 37.7#



#38

Carbon Tetrachloride

Concen: 0.919 ug/l

RT: 8.139 min Scan# 1063

Delta R.T. 0.006 min

Lab File: VN074098.D

Acq: 24 Aug 2022 17:54

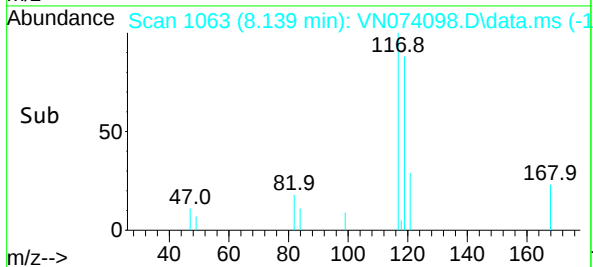
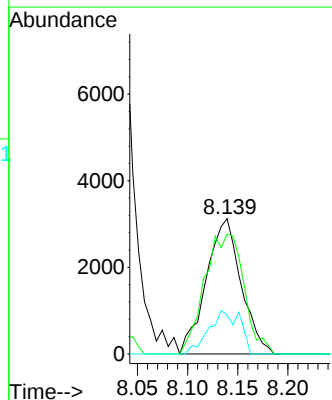
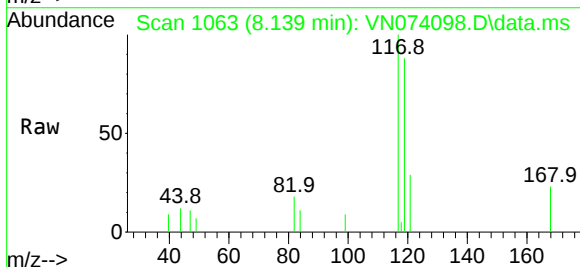
Tgt Ion: 117 Resp: 7562

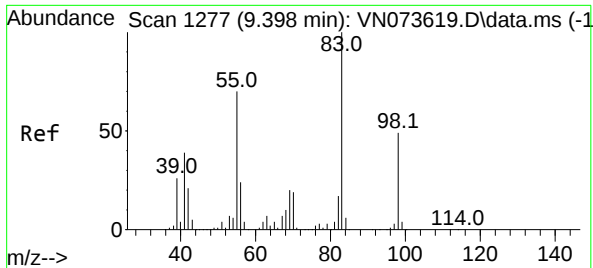
Ion Ratio Lower Upper

117 100

119 88.5 75.8 113.8

121 28.7 24.6 37.0





#39

Methylcyclohexane

Concen: 1.002 ug/l

RT: 9.157 min Scan# 1142

Delta R.T. -0.241 min

Lab File: VN074098.D

Acq: 24 Aug 2022 17:54

Instrument :

MSVOA_N

ClientSampleId :

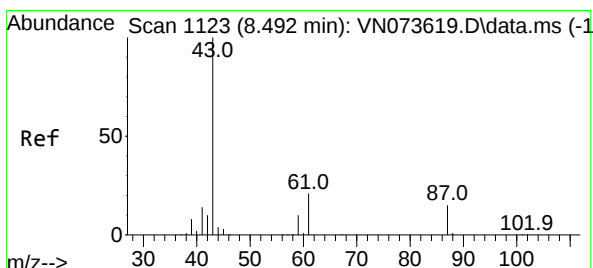
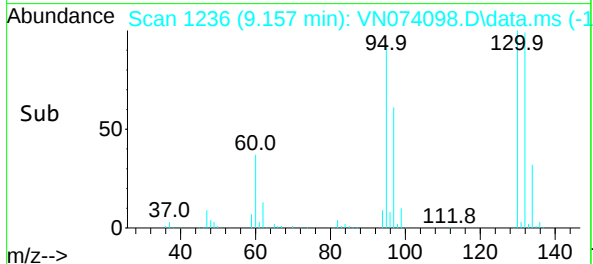
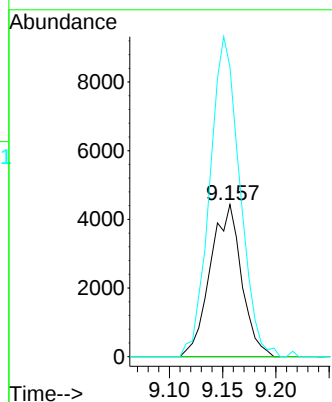
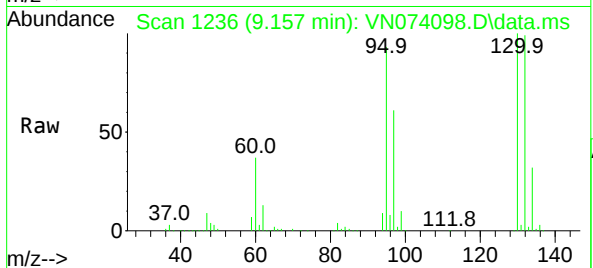
Tgt Ion: 83 Resp: 9043

Ion Ratio Lower Upper

83 100

55 0.0 57.8 86.8#

98 185.4 39.4 59.2#



#43

Isopropyl Acetate

Concen: 0.475 ug/l

RT: 8.604 min Scan# 1142

Delta R.T. 0.112 min

Lab File: VN074098.D

Acq: 24 Aug 2022 17:54

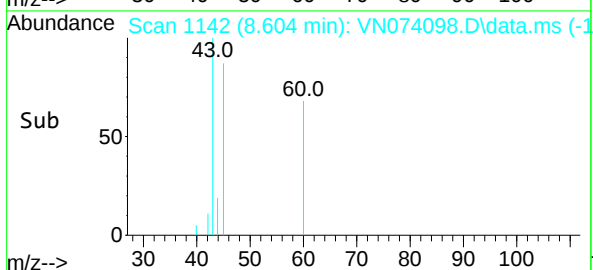
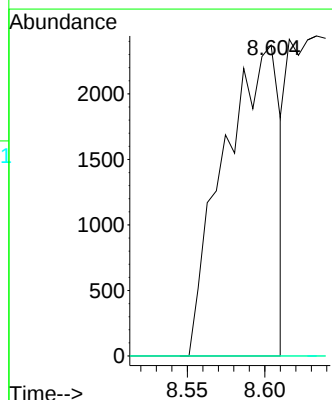
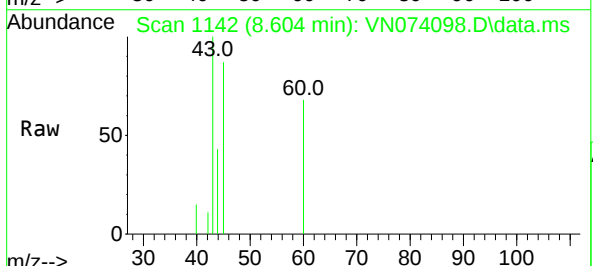
Tgt Ion: 43 Resp: 5907

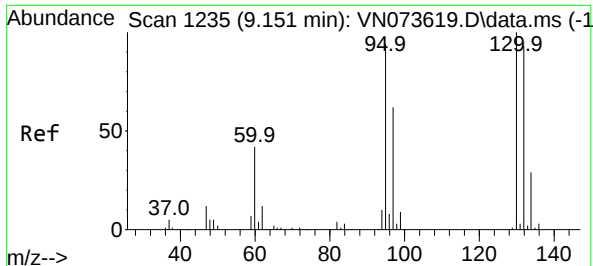
Ion Ratio Lower Upper

43 100

61 0.0 21.9 32.9#

87 0.0 12.0 18.0#

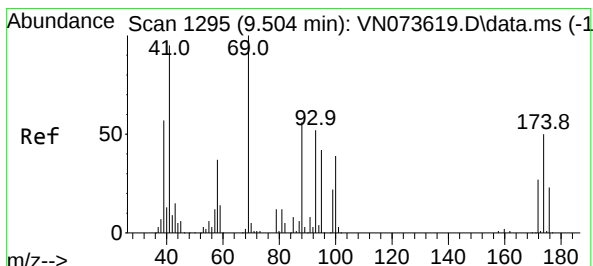
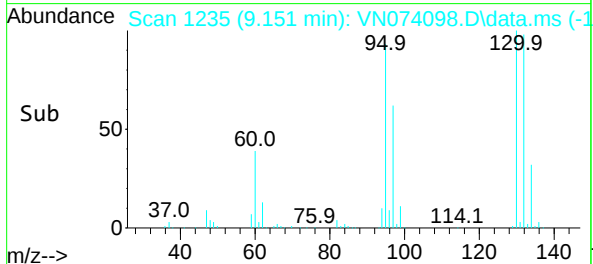
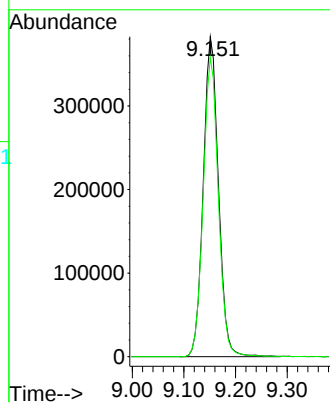
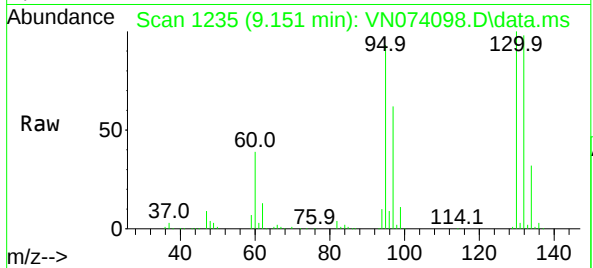




#44
Trichloroethene
Concen: 118.821 ug/l
RT: 9.151 min Scan# 11
Delta R.T. 0.000 min
Lab File: VN074098.D
Acq: 24 Aug 2022 17:54

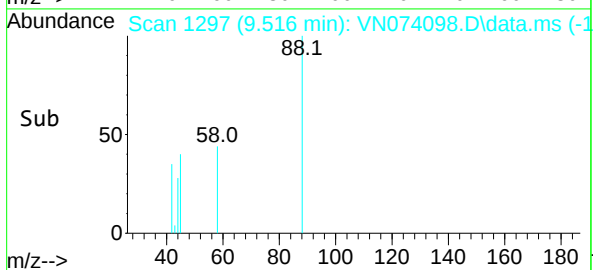
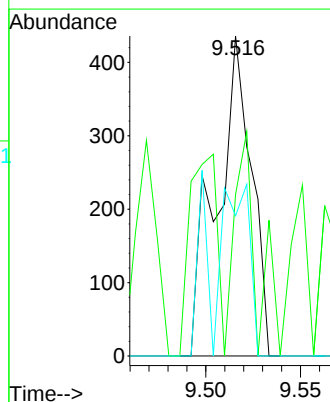
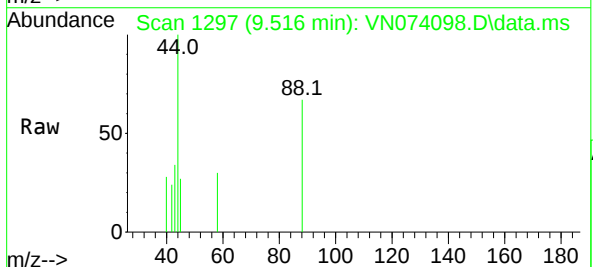
Instrument :
MSVOA_N
ClientSampleId :

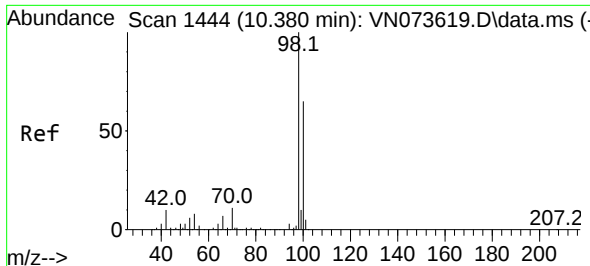
Tgt Ion:130 Resp: 779931
Ion Ratio Lower Upper
130 100
95 93.4 0.0 186.8



#49
1,4-Dioxane
Concen: 3.503 ug/l
RT: 9.516 min Scan# 1297
Delta R.T. 0.012 min
Lab File: VN074098.D
Acq: 24 Aug 2022 17:54

Tgt Ion: 88 Resp: 554
Ion Ratio Lower Upper
88 100
43 45.3 20.2 30.4#
58 41.7 54.2 81.4#

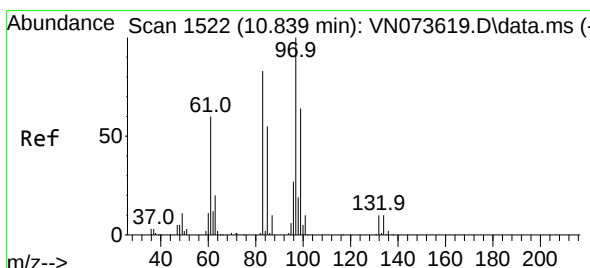
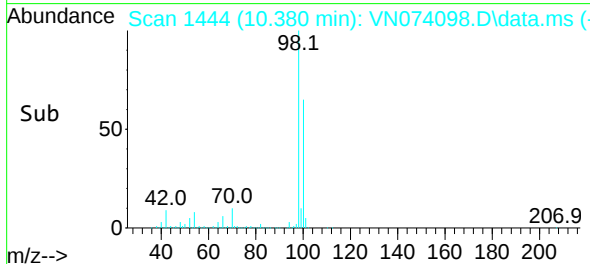
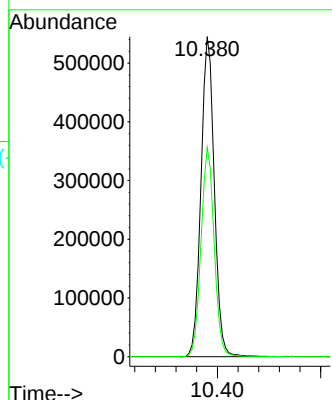
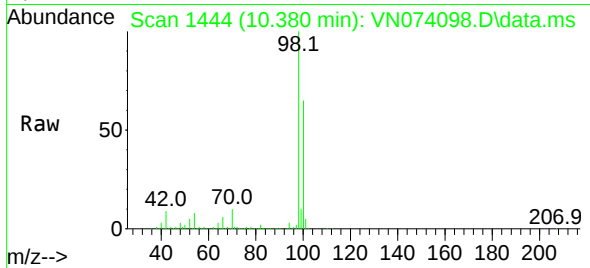




#50
Toluene-d8
Concen: 48.554 ug/l
RT: 10.380 min Scan# 1444
Delta R.T. 0.000 min
Lab File: VN074098.D
Acq: 24 Aug 2022 17:54

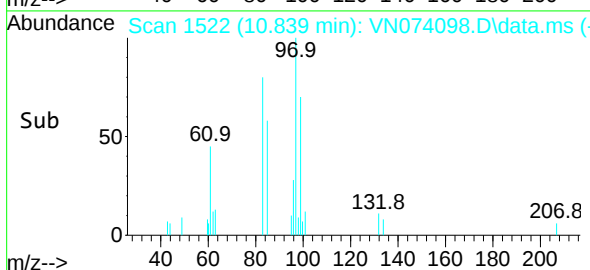
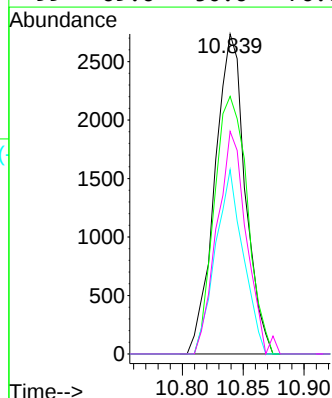
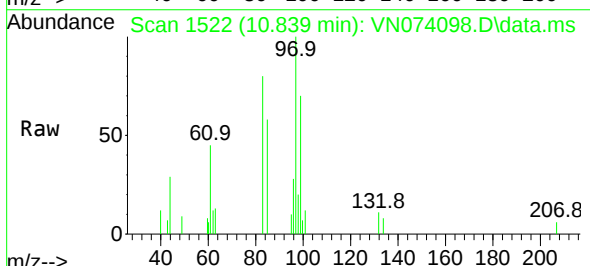
Instrument :
MSVOA_N
ClientSampleId :

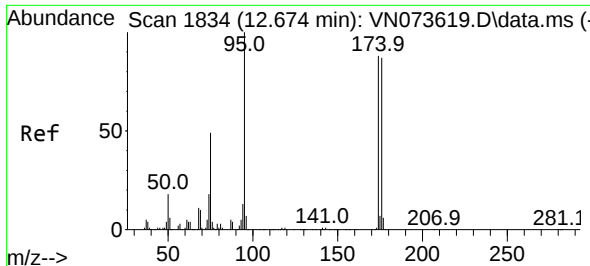
Tgt Ion: 98 Resp: 974846
Ion Ratio Lower Upper
98 100
100 64.7 52.6 78.8



#55
1,1,2-Trichloroethane
Concen: 0.785 ug/l
RT: 10.839 min Scan# 1522
Delta R.T. 0.000 min
Lab File: VN074098.D
Acq: 24 Aug 2022 17:54

Tgt Ion: 97 Resp: 4756
Ion Ratio Lower Upper
97 100
83 80.5 66.2 99.4
85 57.6 43.9 65.9
99 69.6 50.6 76.0

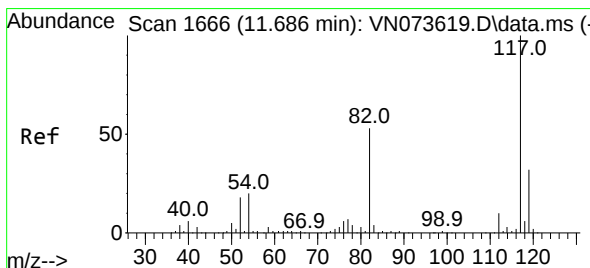
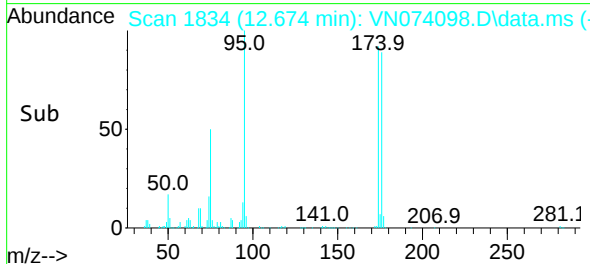
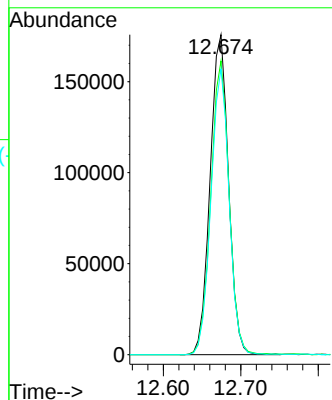
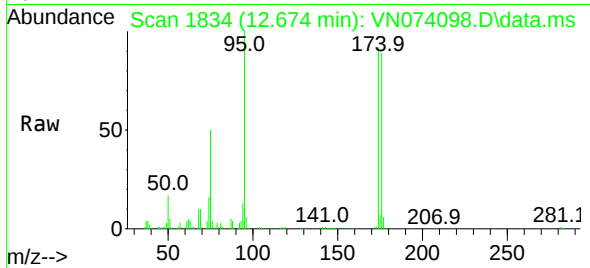




#62
4-Bromofluorobenzene
Concen: 43.527 ug/l
RT: 12.674 min Scan# 1834
Delta R.T. 0.000 min
Lab File: VN074098.D
Acq: 24 Aug 2022 17:54

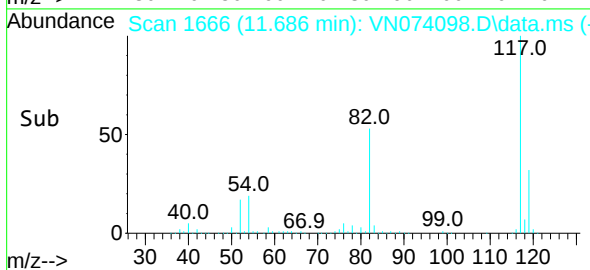
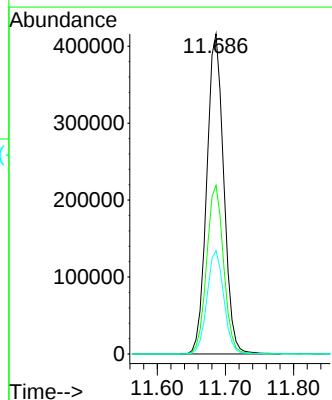
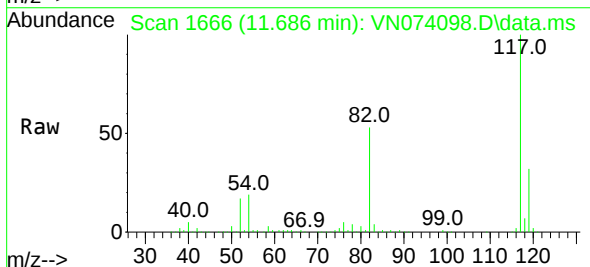
Instrument :
MSVOA_N
ClientSampleId :

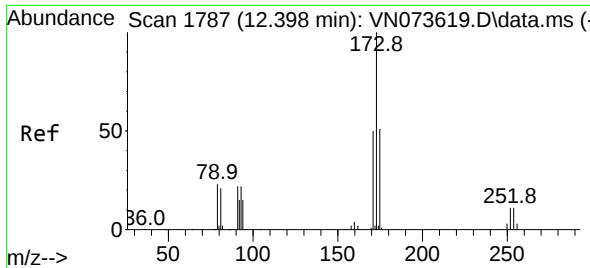
Tgt Ion: 95 Resp: 290036
Ion Ratio Lower Upper
95 100
174 91.2 0.0 167.6
176 87.9 0.0 163.4



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.686 min Scan# 1666
Delta R.T. 0.000 min
Lab File: VN074098.D
Acq: 24 Aug 2022 17:54

Tgt Ion: 117 Resp: 721506
Ion Ratio Lower Upper
117 100
82 52.6 44.2 66.2
119 32.3 25.4 38.0

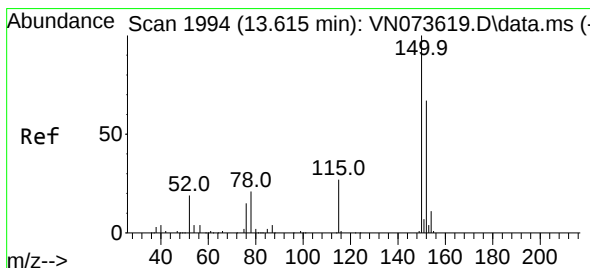
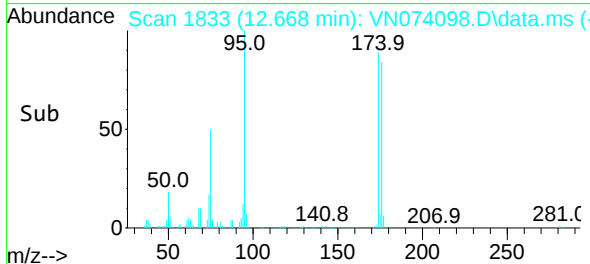
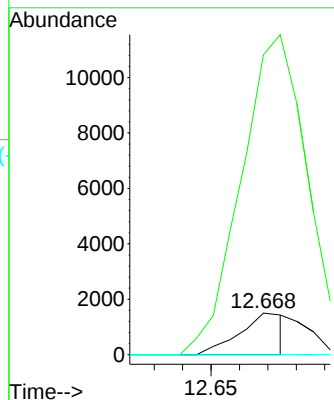
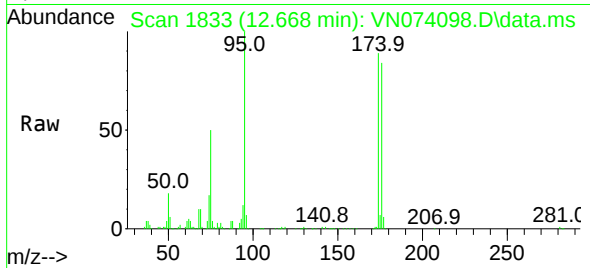




#71
Bromoform
Concen: 0.320 ug/l
RT: 12.668 min Scan# 11
Delta R.T. 0.270 min
Lab File: VN074098.D
Acq: 24 Aug 2022 17:54

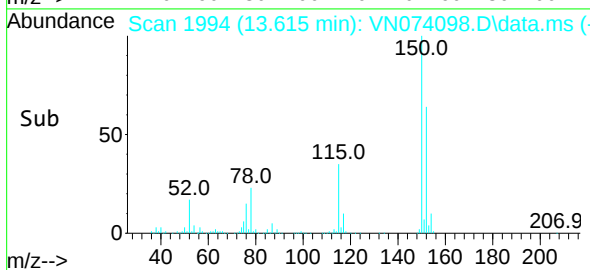
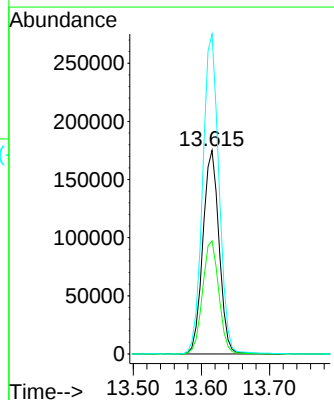
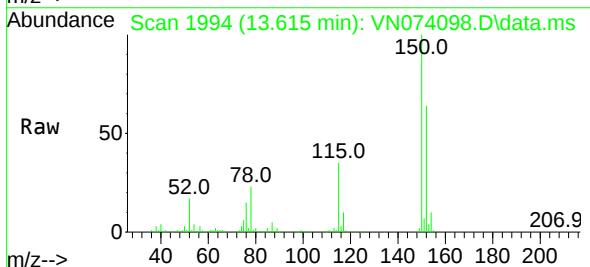
Instrument :
MSVOA_N
ClientSampleId :

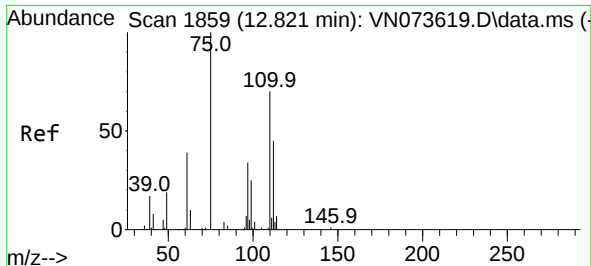
Tgt Ion:173 Resp: 1660
Ion Ratio Lower Upper
173 100
175 0.0 24.6 73.6#
254 0.0 0.1 0.1#



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.615 min Scan# 1994
Delta R.T. 0.000 min
Lab File: VN074098.D
Acq: 24 Aug 2022 17:54

Tgt Ion:152 Resp: 289664
Ion Ratio Lower Upper
152 100
115 55.9 28.9 86.7
150 157.7 0.0 356.2

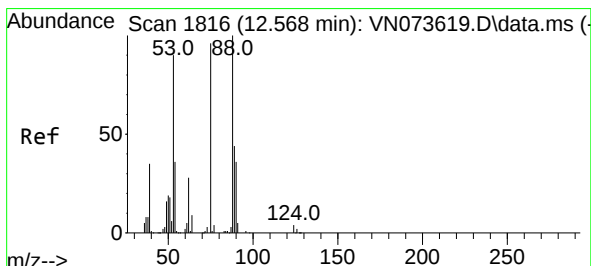
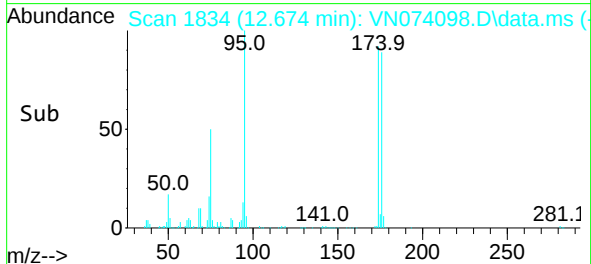
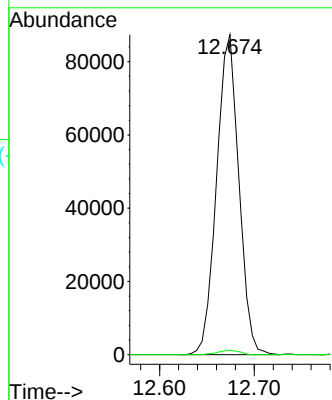
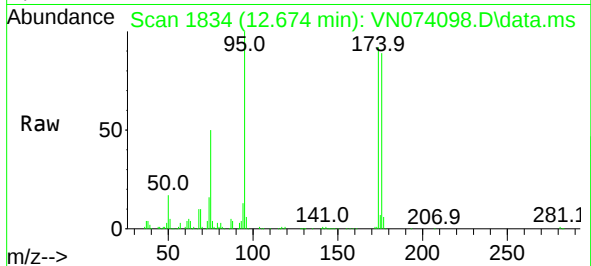




#76
1,2,3-Trichloropropane
Concen: 23.737 ug/l
RT: 12.674 min Scan# 1834
Delta R.T. -0.147 min
Lab File: VN074098.D
Acq: 24 Aug 2022 17:54

Instrument :
MSVOA_N
ClientSampleId :

Tgt Ion: 75 Resp: 142909
Ion Ratio Lower Upper
75 100
77 1.3 98.5 295.5#



#81
trans-1,4-Dichloro-2-butene
Concen: 67.511 ug/l
RT: 12.674 min Scan# 1834
Delta R.T. 0.106 min
Lab File: VN074098.D
Acq: 24 Aug 2022 17:54

Tgt Ion: 75 Resp: 142909
Ion Ratio Lower Upper
75 100
53 0.1 78.0 117.0#
89 0.0 37.2 55.8#

