

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN042122\
 Data File : VN072124.D
 Acq On : 21 Apr 2022 14:45
 Operator : JC\MD
 Sample : N2482-10
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 MW-15

Quant Time: Apr 22 01:23:39 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N033022W.M
 Quant Title : SW846 8260
 QLast Update : Thu Mar 31 01:57:54 2022
 Response via : Initial Calibration

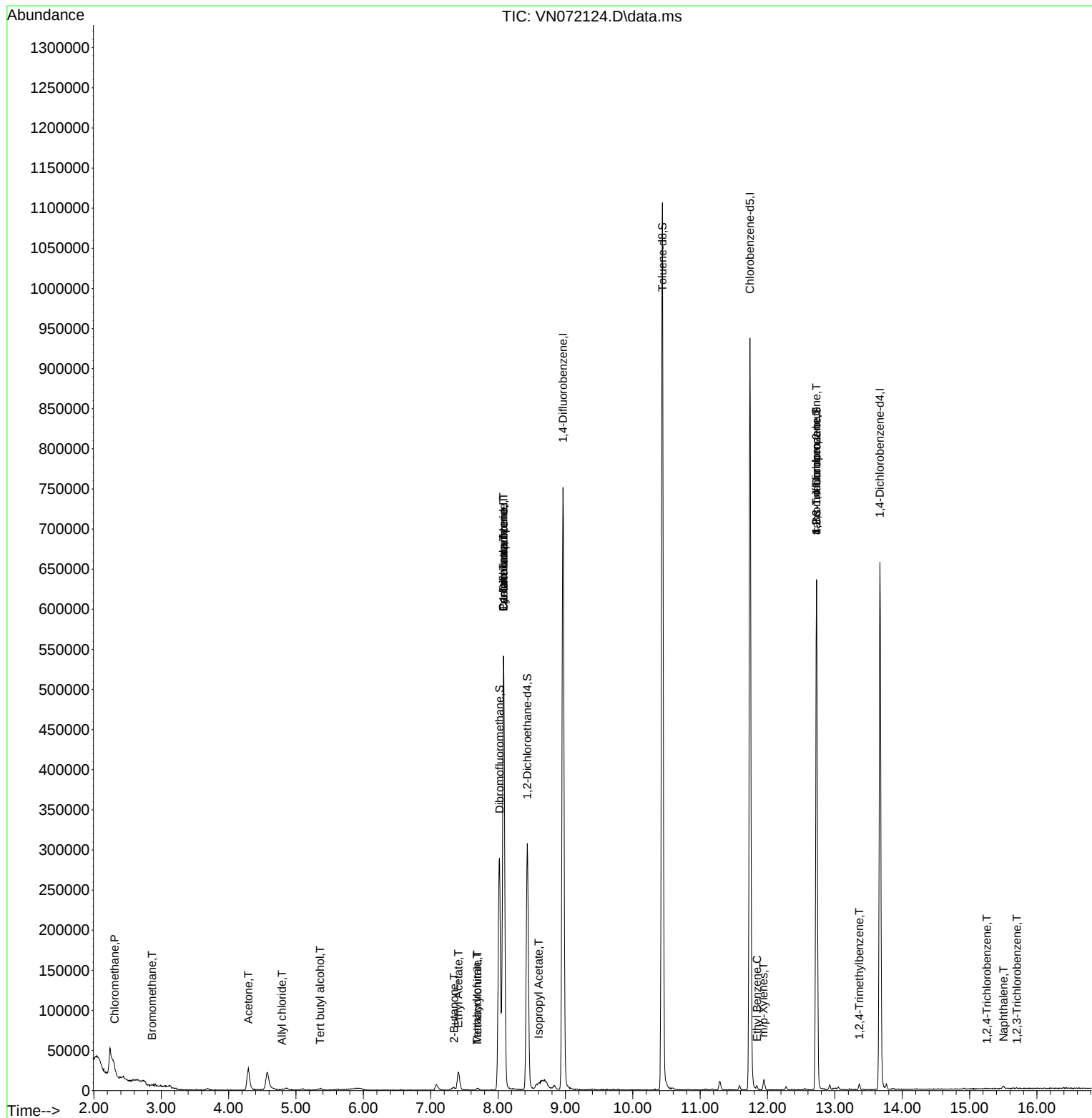
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	8.081	168	449993	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.963	114	717260	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.739	117	593509	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.668	152	194285	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.433	65	249087	48.487	ug/l	0.00
Spiked Amount	50.000	Range 61 - 141	Recovery	=	96.980%	
35) Dibromofluoromethane	8.022	113	215008	50.942	ug/l	0.00
Spiked Amount	50.000	Range 69 - 133	Recovery	=	101.880%	
50) Toluene-d8	10.439	98	806626	46.718	ug/l	0.00
Spiked Amount	50.000	Range 65 - 126	Recovery	=	93.440%	
62) 4-Bromofluorobenzene	12.727	95	229201	41.046	ug/l	0.00
Spiked Amount	50.000	Range 58 - 135	Recovery	=	82.100%	
Target Compounds						
					Qvalue	
3) Chloromethane	2.310	50	2165	0.478	ug/l #	82
5) Bromomethane	2.863	94	1092	0.337	ug/l	99
11) Tert butyl alcohol	5.357	59	3953	4.742	ug/l #	76
14) Allyl chloride	4.793	41	1479	0.245	ug/l #	30
16) Acetone	4.293	43	46386	21.128	ug/l	89
18) Methyl Acetate	4.863	43	5566	Below Cal	#	74
25) 2-Butanone	7.345	43	5328	1.683	ug/l #	76
29) Tetrahydrofuran	7.686	42	1538	0.750	ug/l #	85
31) Cyclohexane	8.081	56	7606	1.089	ug/l #	1
36) 1,1-Dichloropropene	8.081	75	29660	5.032	ug/l #	49
37) Ethyl Acetate	7.410	43	35220	5.459	ug/l	98
38) Carbon Tetrachloride	8.081	117	39989	6.923	ug/l #	17
41) Methacrylonitrile	7.692	41	903	0.286	ug/l #	22
43) Isopropyl Acetate	8.604	43	11561	1.077	ug/l #	53
67) Ethyl Benzene	11.845	91	4304	0.214	ug/l	98
68) m/p-Xylenes	11.939	106	4281	0.554	ug/l	88
76) 1,2,3-Trichloropropane	12.727	75	108891	24.194	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.727	75	108891	74.976	ug/l #	10
84) 1,2,4-Trimethylbenzene	13.363	105	4741	0.375	ug/l	88
93) 1,2,4-Trichlorobenzene	15.257	180	308	2.181	ug/l #	82
95) Naphthalene	15.504	128	4774	4.301	ug/l #	93
96) 1,2,3-Trichlorobenzene	15.704	180	487	2.569	ug/l #	76

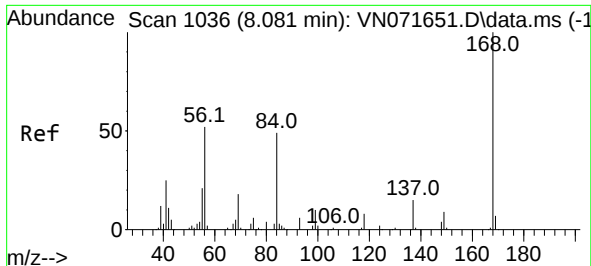
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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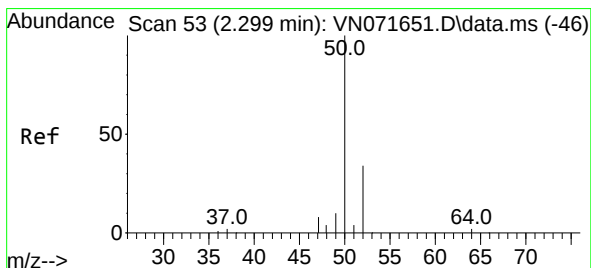
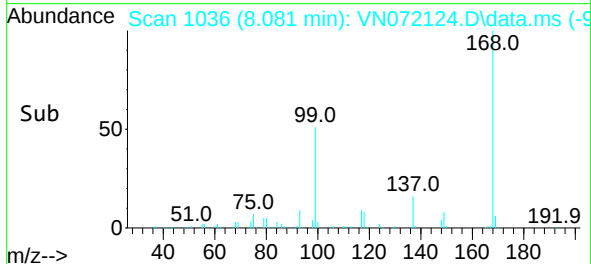
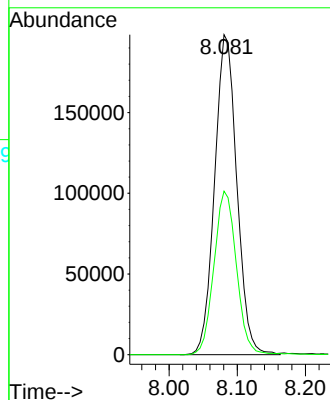
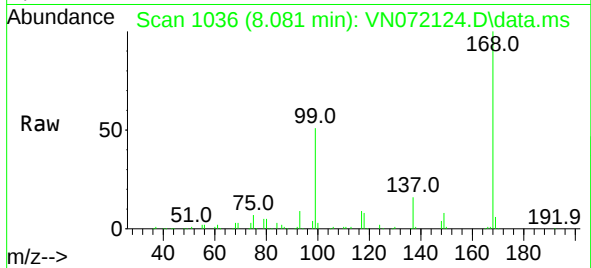




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.081 min Scan# 1036
Delta R.T. -0.000 min
Lab File: VN072124.D
Acq: 21 Apr 2022 14:45

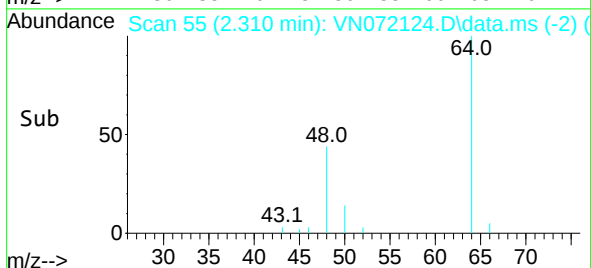
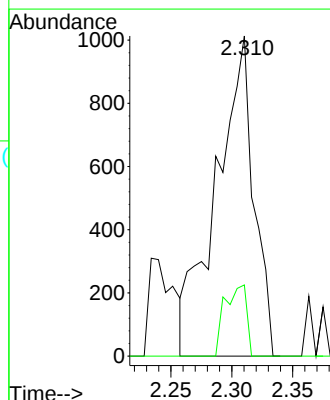
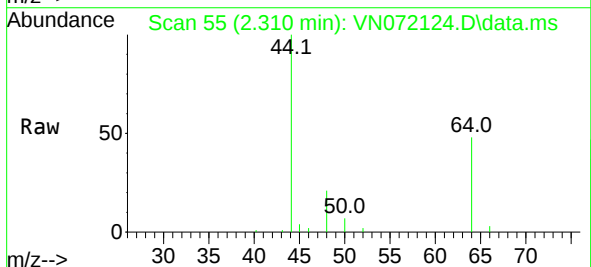
Instrument :
MSVOA_N
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MW-15

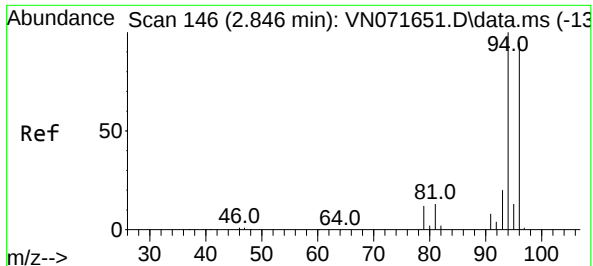
Tgt Ion:168 Resp: 449993
Ion Ratio Lower Upper
168 100
99 51.1 42.3 63.5



#3
Chloromethane
Concen: 0.478 ug/l
RT: 2.310 min Scan# 55
Delta R.T. 0.011 min
Lab File: VN072124.D
Acq: 21 Apr 2022 14:45

Tgt Ion: 50 Resp: 2165
Ion Ratio Lower Upper
50 100
52 22.2 25.7 38.5#

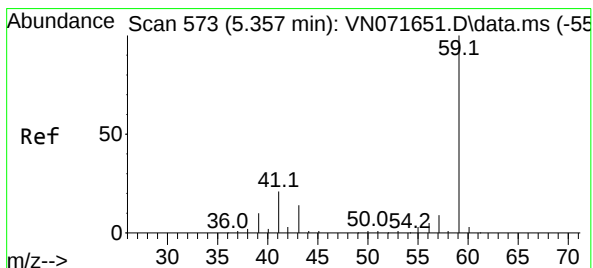
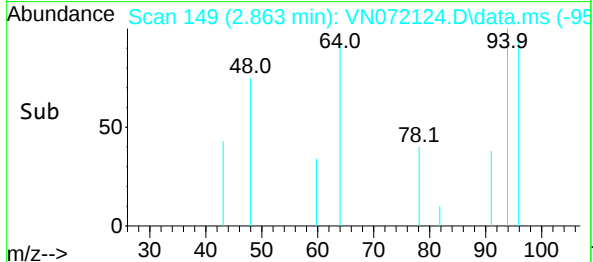
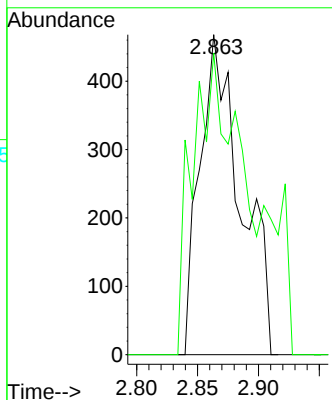
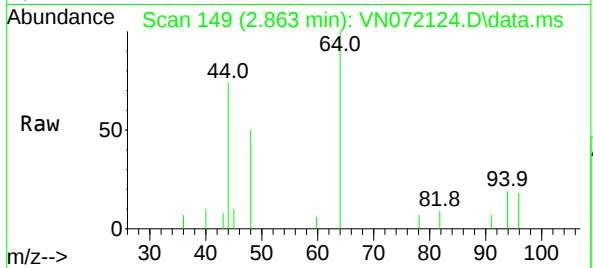




#5
Bromomethane
Concen: 0.337 ug/l
RT: 2.863 min Scan# 146
Delta R.T. 0.017 min
Lab File: VN072124.D
Acq: 21 Apr 2022 14:45

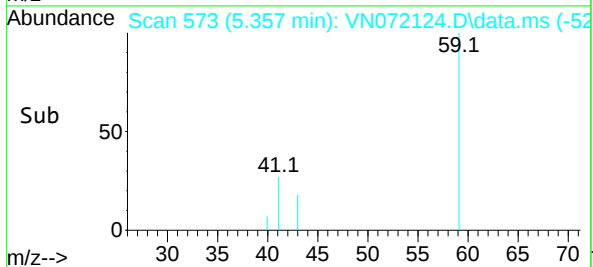
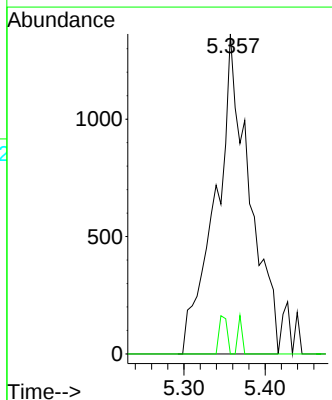
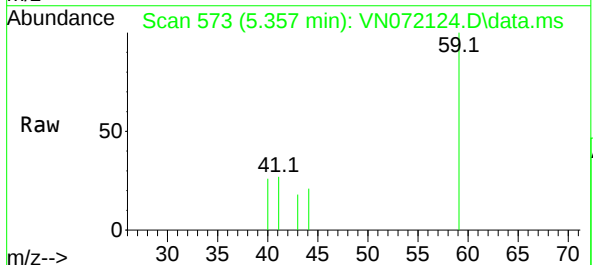
Instrument :
MSVOA_N
ClientSampleId :
MW-15

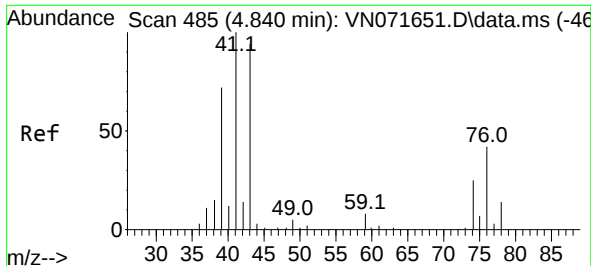
Tgt Ion: 94 Resp: 1092
Ion Ratio Lower Upper
94 100
96 94.2 76.0 114.0



#11
Tert butyl alcohol
Concen: 4.742 ug/l
RT: 5.357 min Scan# 573
Delta R.T. 0.000 min
Lab File: VN072124.D
Acq: 21 Apr 2022 14:45

Tgt Ion: 59 Resp: 3953
Ion Ratio Lower Upper
59 100
57 1.5 8.3 12.5#

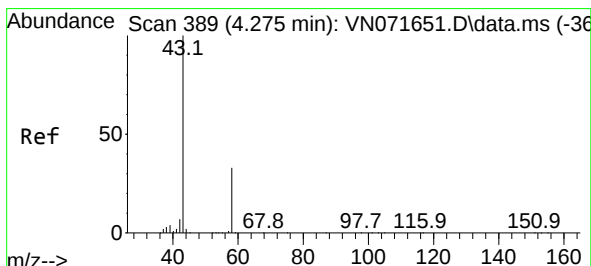
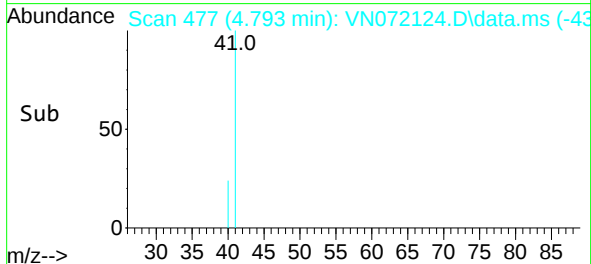
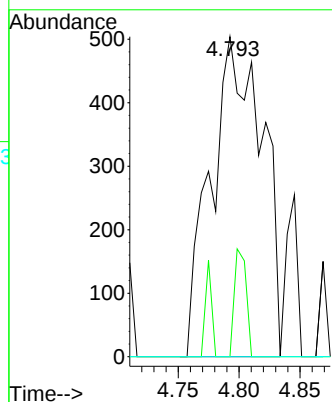
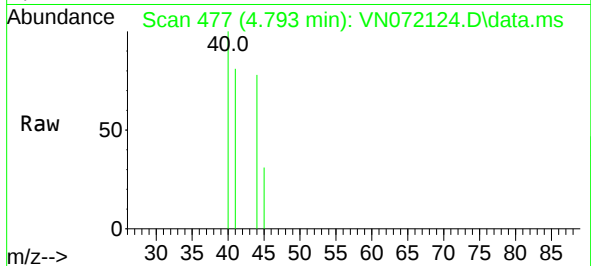




#14
 Allyl chloride
 Concen: 0.245 ug/l
 RT: 4.793 min Scan# 41
 Delta R.T. -0.047 min
 Lab File: VN072124.D
 Acq: 21 Apr 2022 14:45

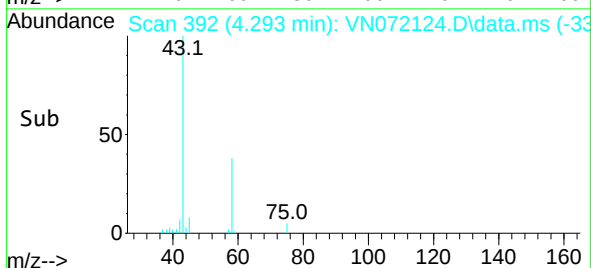
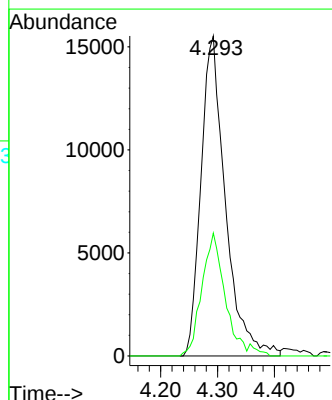
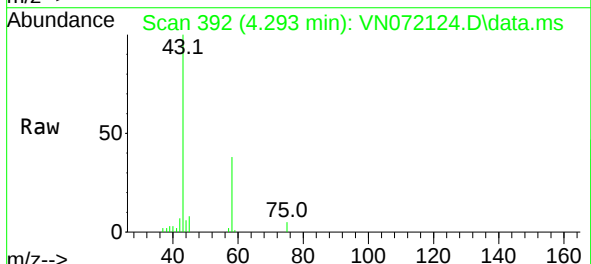
Instrument :
 MSVOA_N
 ClientSampleId :
 MW-15

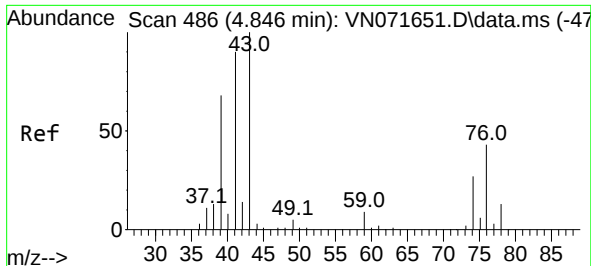
Tgt Ion: 41 Resp: 1479
 Ion Ratio Lower Upper
 41 100
 39 7.6 53.2 79.8#
 76 0.0 29.9 44.9#



#16
 Acetone
 Concen: 21.128 ug/l
 RT: 4.293 min Scan# 392
 Delta R.T. 0.018 min
 Lab File: VN072124.D
 Acq: 21 Apr 2022 14:45

Tgt Ion: 43 Resp: 46386
 Ion Ratio Lower Upper
 43 100
 58 38.4 26.0 39.0

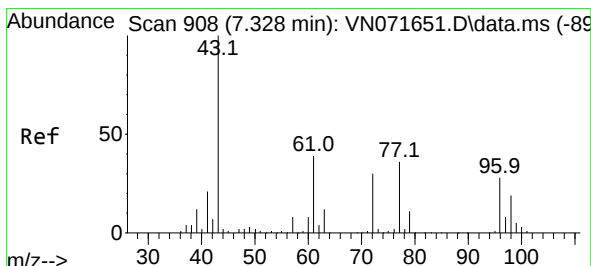
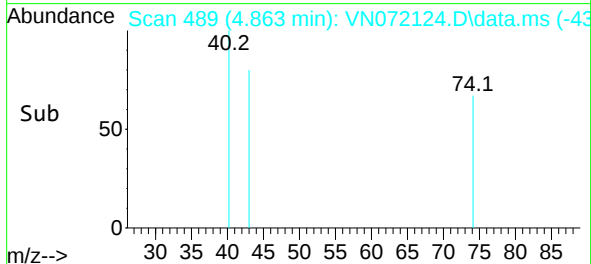
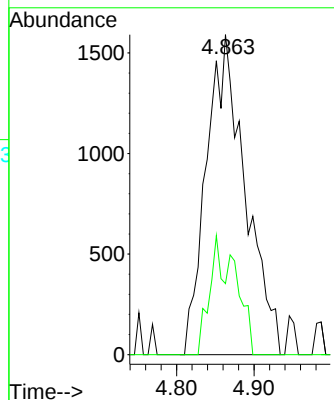
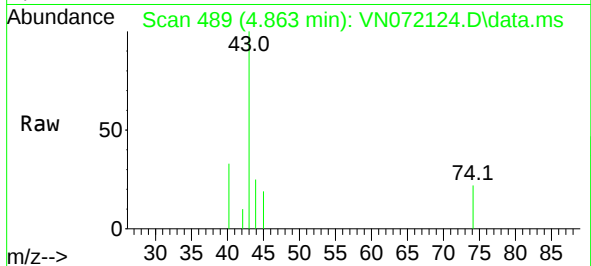




#18
Methyl Acetate
Concen: Below Cal
RT: 4.863 min Scan# 41
Delta R.T. 0.017 min
Lab File: VN072124.D
Acq: 21 Apr 2022 14:45

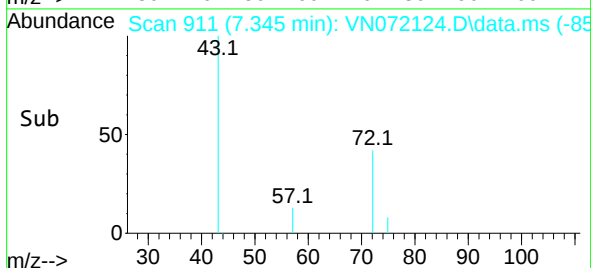
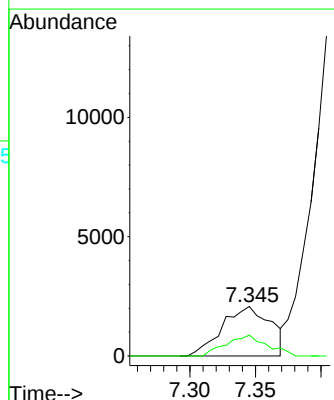
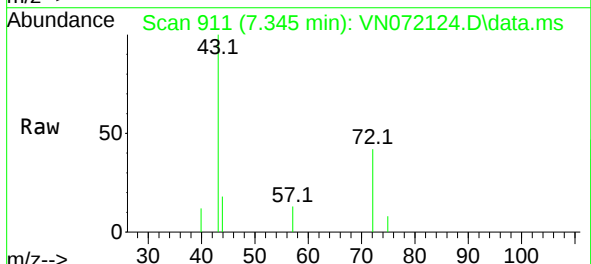
Instrument :
MSVOA_N
ClientSampleId :
MW-15

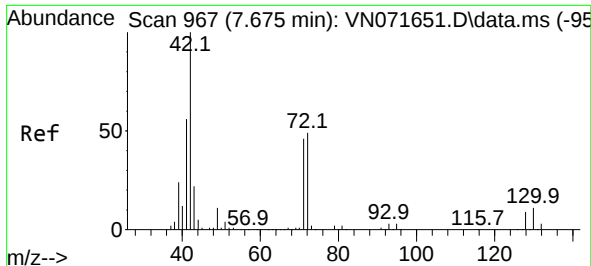
Tgt Ion: 43 Resp: 5566
Ion Ratio Lower Upper
43 100
74 13.5 21.6 32.4#



#25
2-Butanone
Concen: 1.683 ug/l
RT: 7.345 min Scan# 911
Delta R.T. 0.017 min
Lab File: VN072124.D
Acq: 21 Apr 2022 14:45

Tgt Ion: 43 Resp: 5328
Ion Ratio Lower Upper
43 100
72 42.4 23.7 35.5#





#29

Tetrahydrofuran

Concen: 0.750 ug/l

RT: 7.686 min Scan# 90

Delta R.T. 0.011 min

Lab File: VN072124.D

Acq: 21 Apr 2022 14:45

Instrument :

MSVOA_N

ClientSampleId :

MW-15

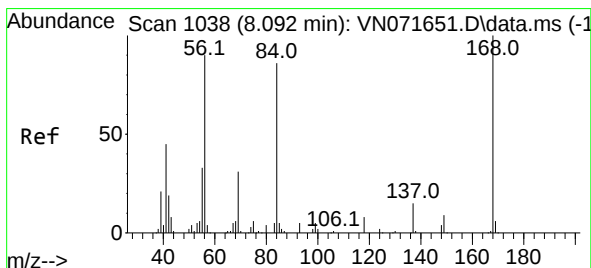
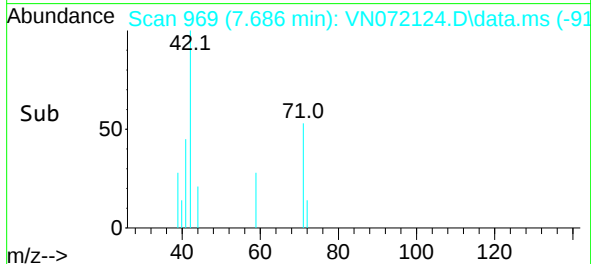
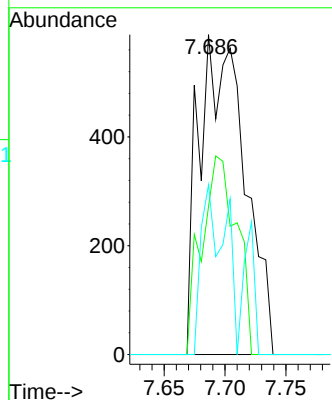
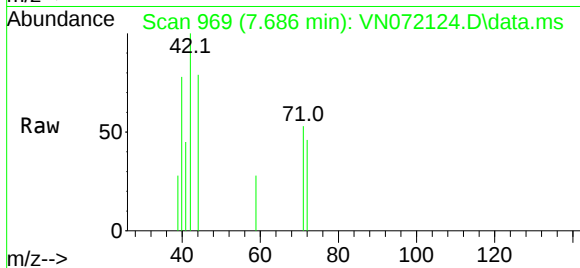
Tgt Ion: 42 Resp: 1538

Ion Ratio Lower Upper

42 100

72 47.5 39.7 59.5

71 27.9 36.6 55.0#



#31

Cyclohexane

Concen: 1.089 ug/l

RT: 8.081 min Scan# 1036

Delta R.T. -0.011 min

Lab File: VN072124.D

Acq: 21 Apr 2022 14:45

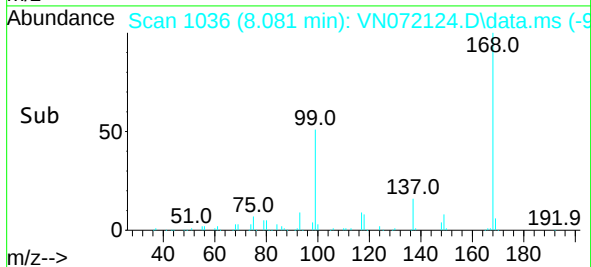
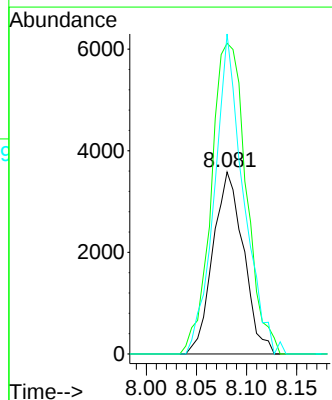
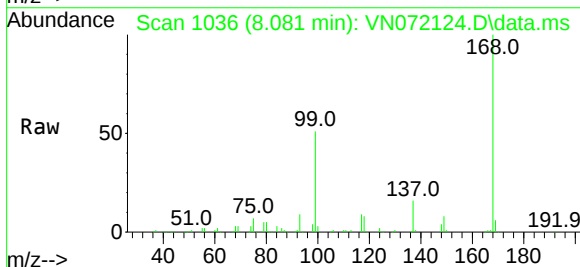
Tgt Ion: 56 Resp: 7606

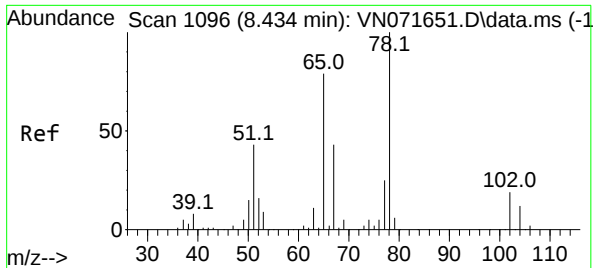
Ion Ratio Lower Upper

56 100

69 170.8 27.8 41.8#

84 176.0 76.9 115.3#





#33

1,2-Dichloroethane-d4

Concen: 48.487 ug/l

RT: 8.433 min Scan# 1096

Delta R.T. -0.001 min

Lab File: VN072124.D

Acq: 21 Apr 2022 14:45

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ClientSampleId :

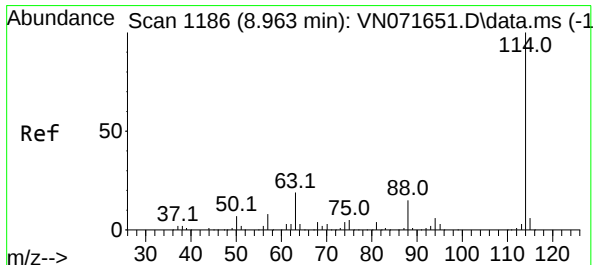
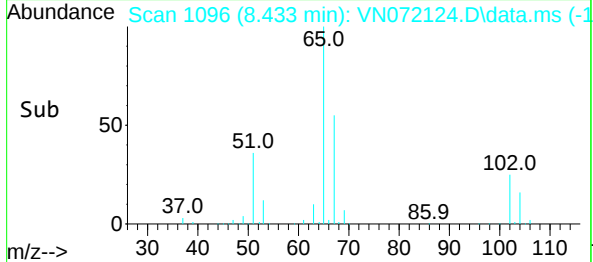
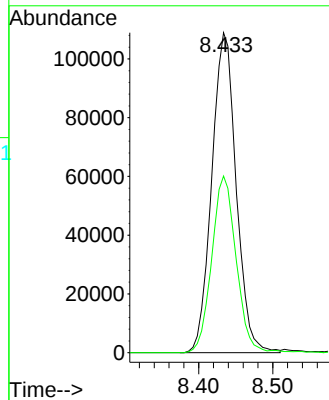
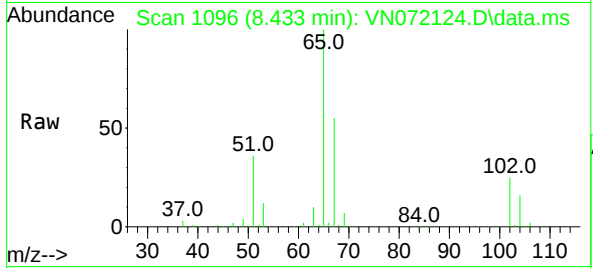
MW-15

Tgt Ion: 65 Resp: 249087

Ion Ratio Lower Upper

65 100

67 55.3 0.0 104.8



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.963 min Scan# 1186

Delta R.T. -0.000 min

Lab File: VN072124.D

Acq: 21 Apr 2022 14:45

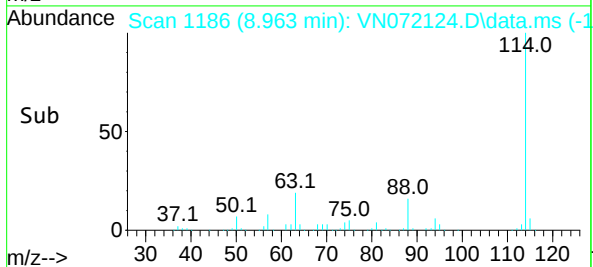
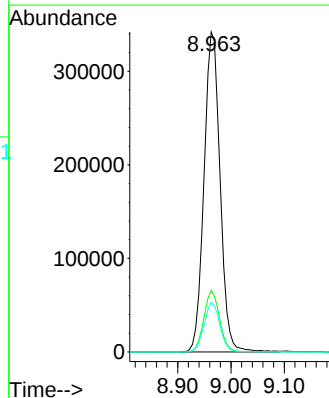
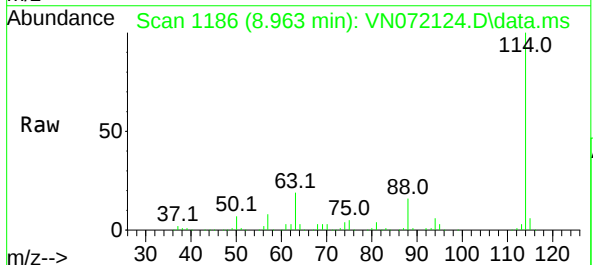
Tgt Ion: 114 Resp: 717260

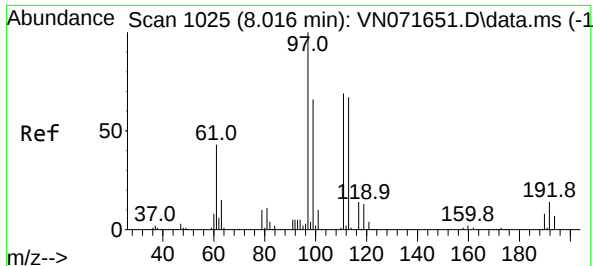
Ion Ratio Lower Upper

114 100

63 19.2 0.0 40.0

88 15.5 0.0 32.6





#35

Dibromofluoromethane

Concen: 50.942 ug/l

RT: 8.022 min Scan# 1036

Delta R.T. 0.006 min

Lab File: VN072124.D

Acq: 21 Apr 2022 14:45

Instrument :

MSVOA_N

ClientSampleId :

MW-15

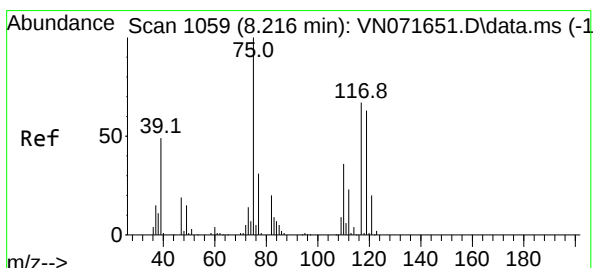
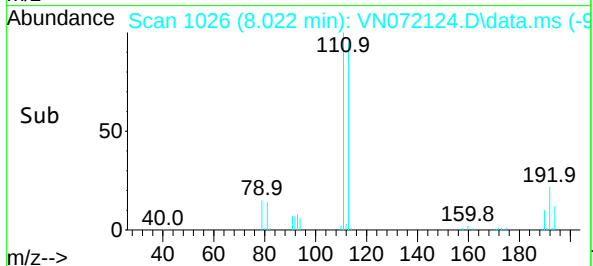
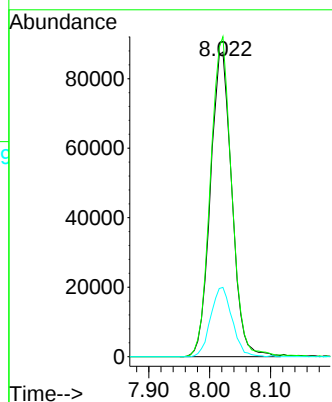
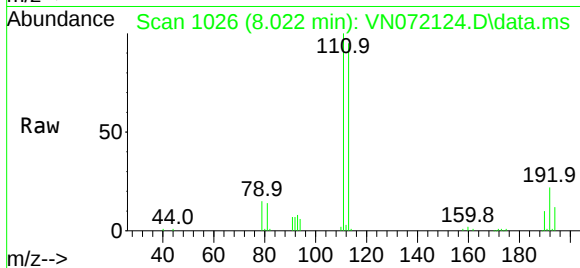
Tgt Ion:113 Resp: 215008

Ion Ratio Lower Upper

113 100

111 104.3 81.4 122.0

192 22.7 17.0 25.6



#36

1,1-Dichloropropene

Concen: 5.032 ug/l

RT: 8.081 min Scan# 1036

Delta R.T. -0.135 min

Lab File: VN072124.D

Acq: 21 Apr 2022 14:45

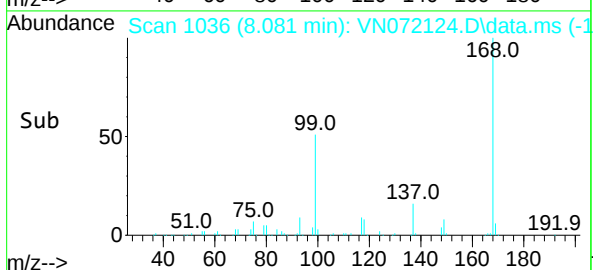
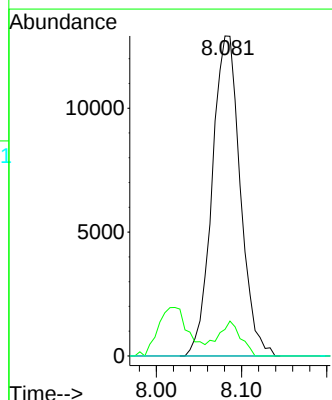
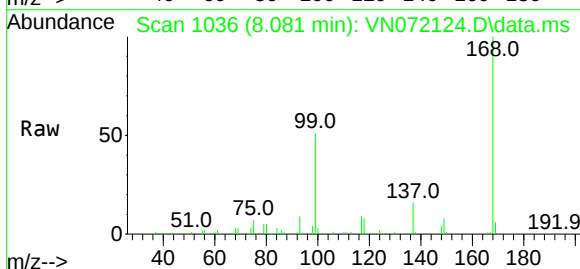
Tgt Ion: 75 Resp: 29660

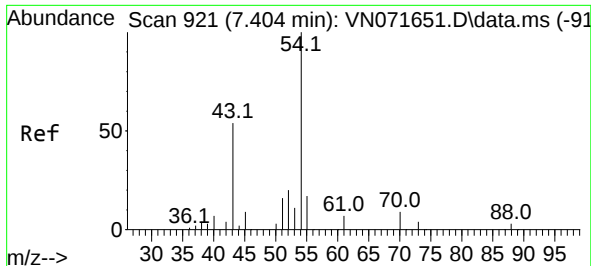
Ion Ratio Lower Upper

75 100

110 8.8 18.3 54.8#

77 0.0 25.1 37.7#





#37

Ethyl Acetate

Concen: 5.459 ug/l

RT: 7.410 min Scan# 91

Delta R.T. 0.006 min

Lab File: VN072124.D

Acq: 21 Apr 2022 14:45

Instrument :

MSVOA_N

ClientSampleId :

MW-15

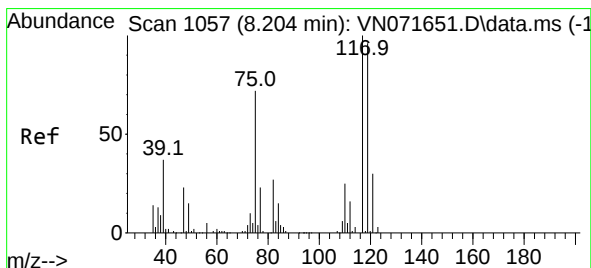
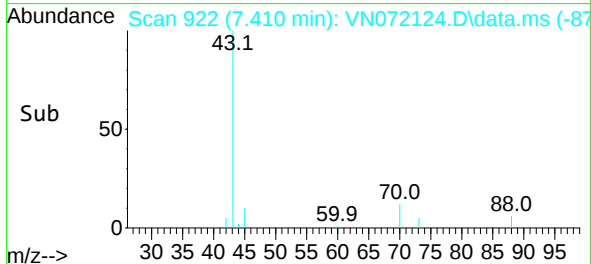
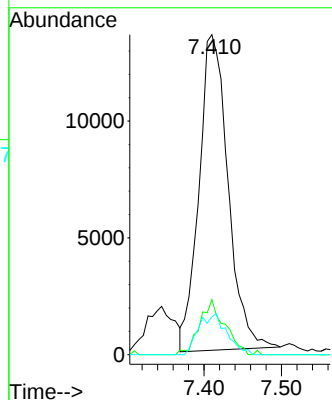
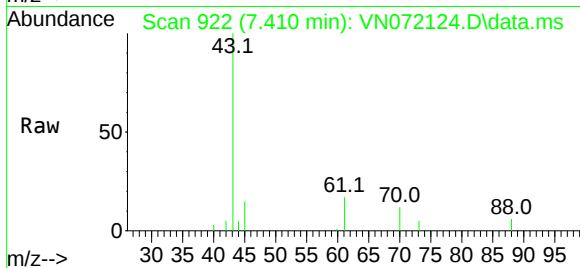
Tgt Ion: 43 Resp: 35220

Ion Ratio Lower Upper

43 100

61 15.1 11.8 17.6

70 12.6 9.3 13.9



#38

Carbon Tetrachloride

Concen: 6.923 ug/l

RT: 8.081 min Scan# 1036

Delta R.T. -0.123 min

Lab File: VN072124.D

Acq: 21 Apr 2022 14:45

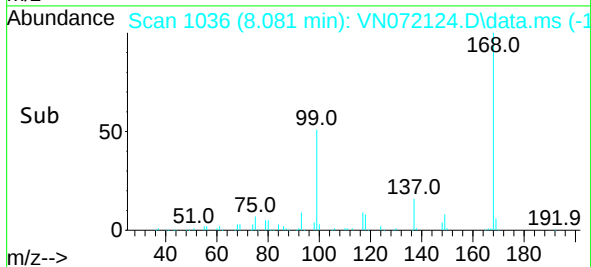
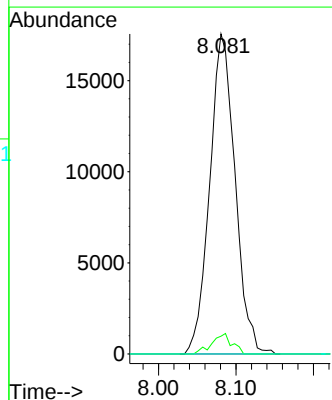
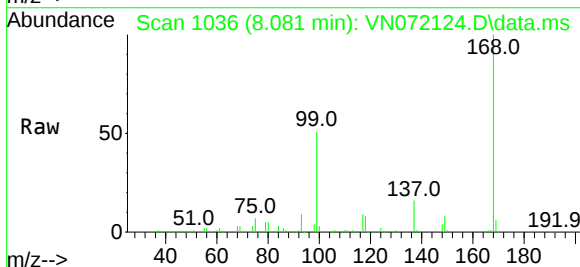
Tgt Ion: 117 Resp: 39989

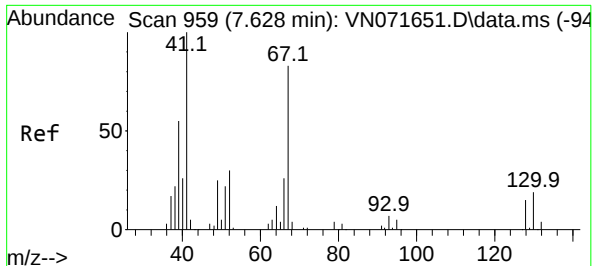
Ion Ratio Lower Upper

117 100

119 5.6 75.8 113.8#

121 0.0 24.6 37.0#

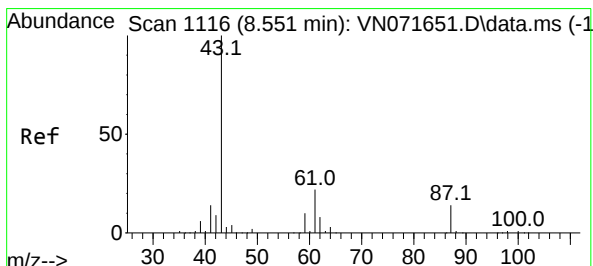
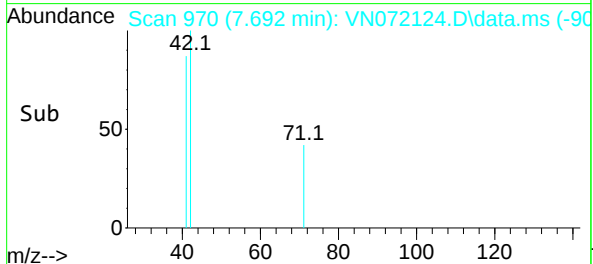
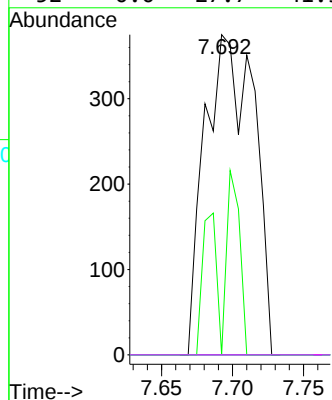
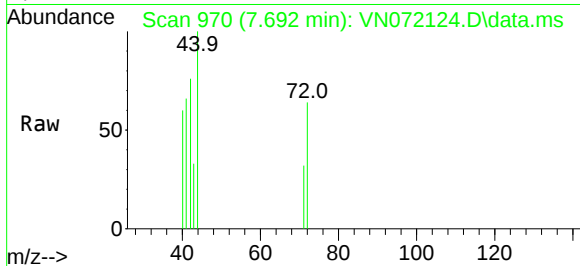




#41
Methacrylonitrile
Concen: 0.286 ug/l
RT: 7.692 min Scan# 91
Delta R.T. 0.064 min
Lab File: VN072124.D
Acq: 21 Apr 2022 14:45

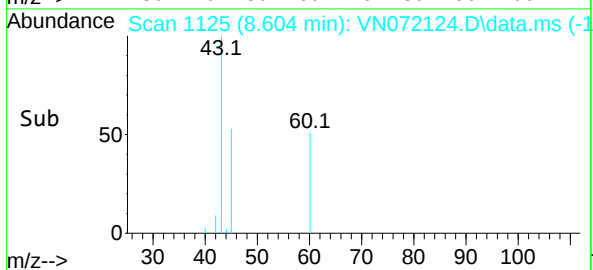
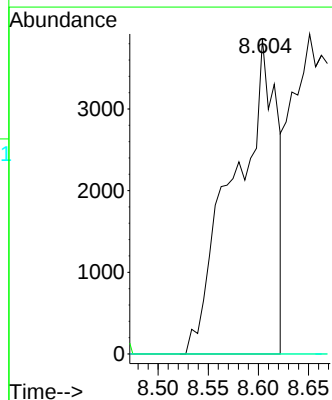
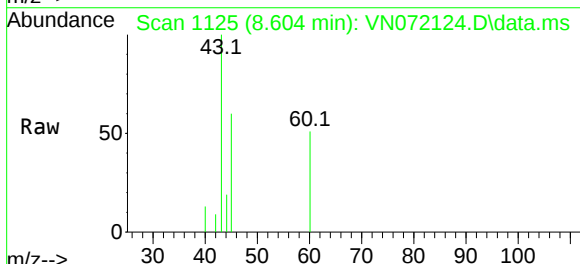
Instrument :
MSVOA_N
ClientSampleId :
MW-15

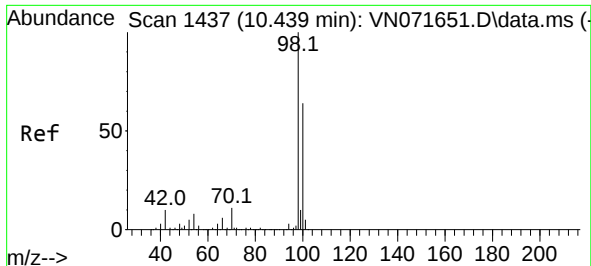
Tgt Ion:	41	Resp:	903
Ion	Ratio	Lower	Upper
41	100		
39	15.2	48.6	73.0#
67	0.0	73.4	110.2#
52	0.0	27.7	41.5#



#43
Isopropyl Acetate
Concen: 1.077 ug/l
RT: 8.604 min Scan# 1125
Delta R.T. 0.053 min
Lab File: VN072124.D
Acq: 21 Apr 2022 14:45

Tgt Ion:	43	Resp:	11561
Ion	Ratio	Lower	Upper
43	100		
61	0.0	21.9	32.9#
87	0.0	12.0	18.0#

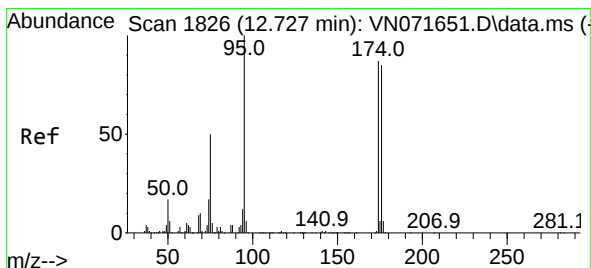
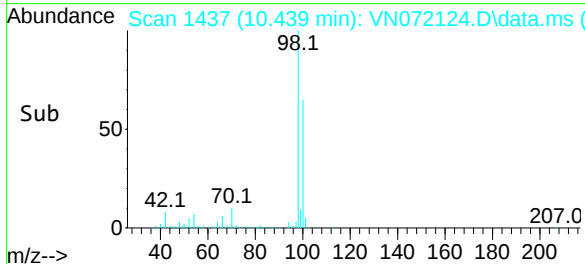
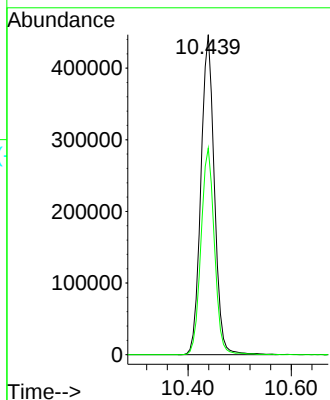
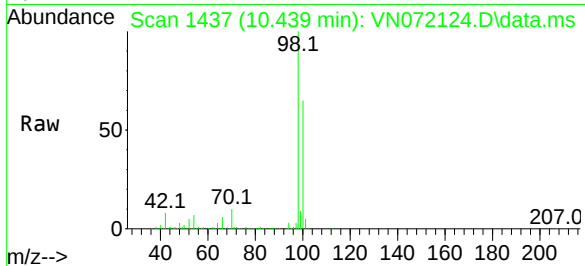




#50
Toluene-d8
Concen: 46.718 ug/l
RT: 10.439 min Scan# 1437
Delta R.T. 0.000 min
Lab File: VN072124.D
Acq: 21 Apr 2022 14:45

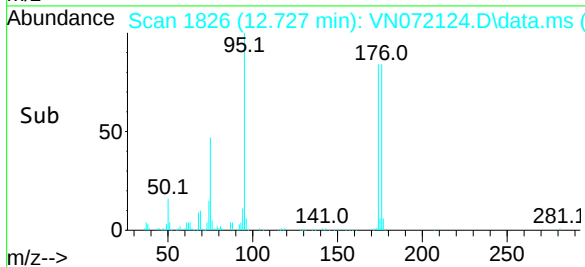
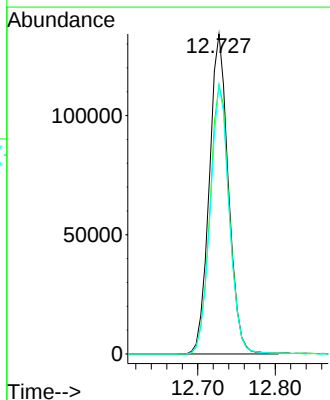
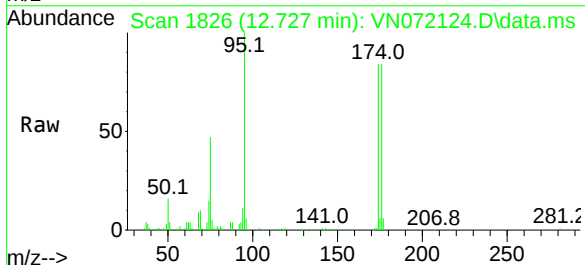
Instrument :
MSVOA_N
ClientSampleId :
MW-15

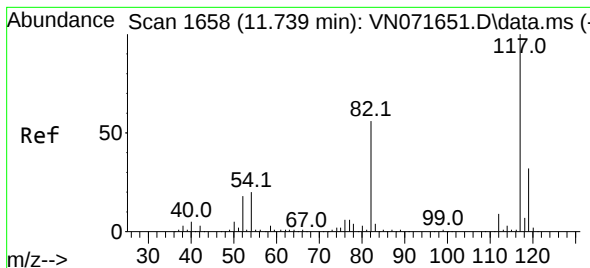
Tgt Ion: 98 Resp: 806626
Ion Ratio Lower Upper
98 100
100 64.7 52.6 78.8



#62
4-Bromofluorobenzene
Concen: 41.046 ug/l
RT: 12.727 min Scan# 1826
Delta R.T. 0.000 min
Lab File: VN072124.D
Acq: 21 Apr 2022 14:45

Tgt Ion: 95 Resp: 229201
Ion Ratio Lower Upper
95 100
174 86.0 0.0 167.6
176 83.8 0.0 163.4





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.739 min Scan# 1

Delta R.T. 0.000 min

Lab File: VN072124.D

Acq: 21 Apr 2022 14:45

Instrument :

MSVOA_N

ClientSampleId :

MW-15

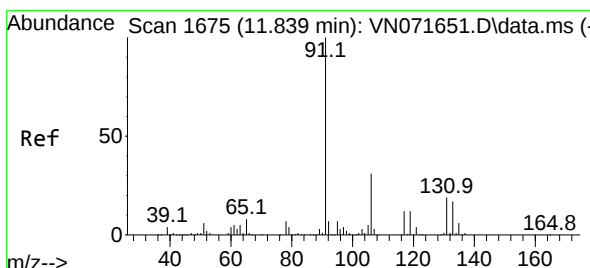
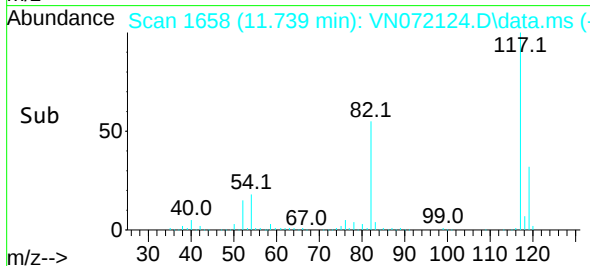
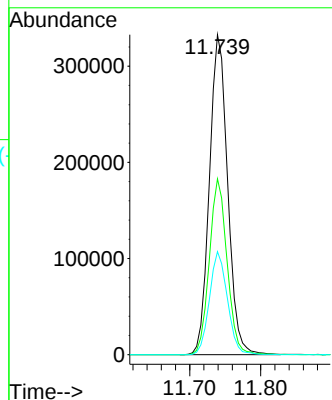
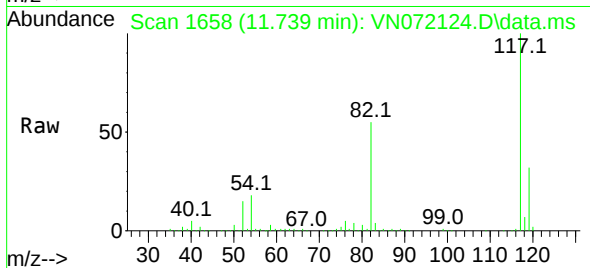
Tgt Ion:117 Resp: 593509

Ion Ratio Lower Upper

117 100

82 55.0 44.2 66.2

119 32.2 25.4 38.0



#67

Ethyl Benzene

Concen: 0.214 ug/l

RT: 11.845 min Scan# 1676

Delta R.T. 0.006 min

Lab File: VN072124.D

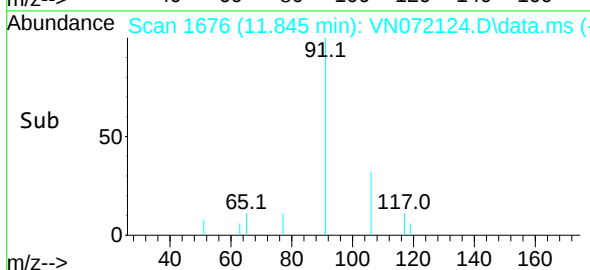
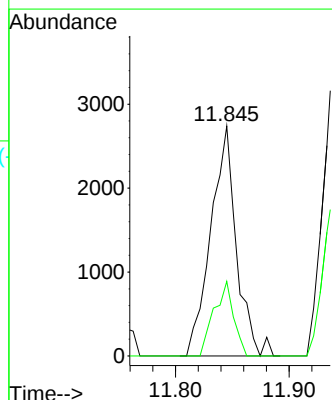
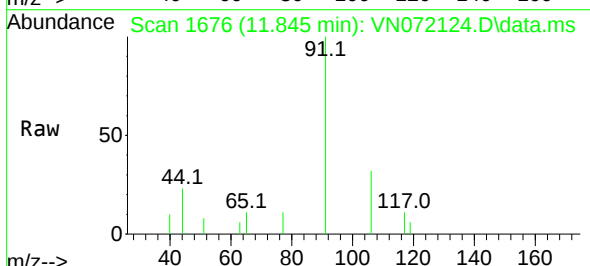
Acq: 21 Apr 2022 14:45

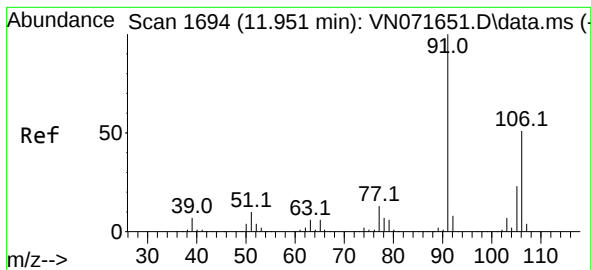
Tgt Ion: 91 Resp: 4304

Ion Ratio Lower Upper

91 100

106 32.4 24.9 37.3

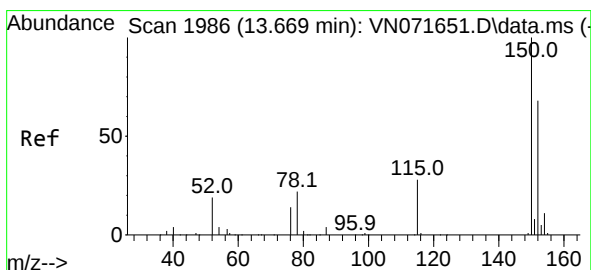
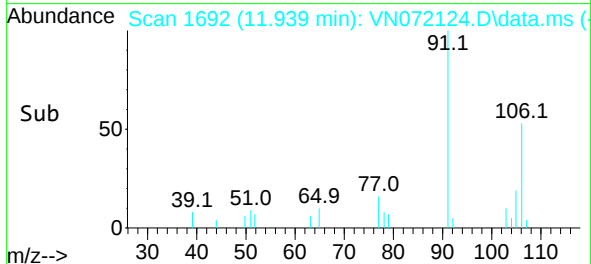
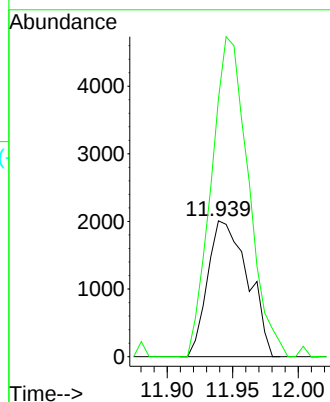
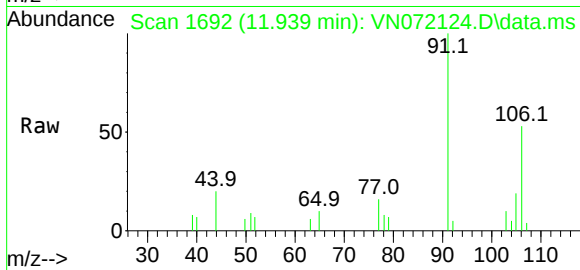




#68
m/p-Xylenes
Concen: 0.554 ug/l
RT: 11.939 min Scan# 11
Delta R.T. -0.012 min
Lab File: VN072124.D
Acq: 21 Apr 2022 14:45

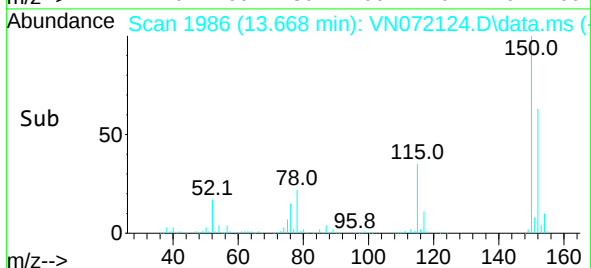
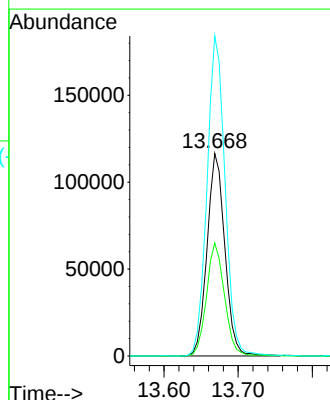
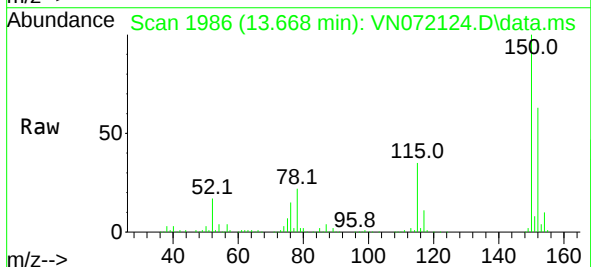
Instrument :
MSVOA_N
ClientSampleId :
MW-15

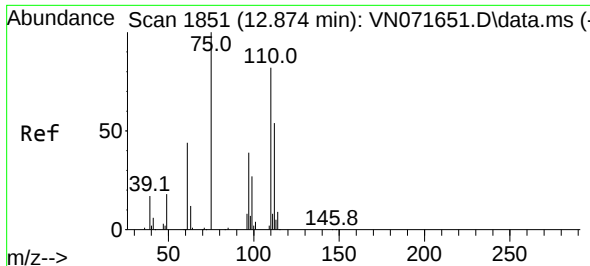
Tgt Ion:106 Resp: 4281
Ion Ratio Lower Upper
106 100
91 217.3 158.9 238.3



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.668 min Scan# 1986
Delta R.T. -0.001 min
Lab File: VN072124.D
Acq: 21 Apr 2022 14:45

Tgt Ion:152 Resp: 194285
Ion Ratio Lower Upper
152 100
115 56.3 28.9 86.7
150 160.3 0.0 356.2

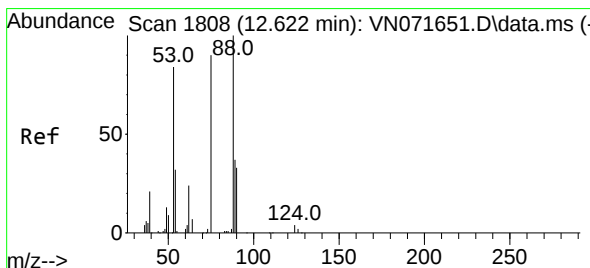
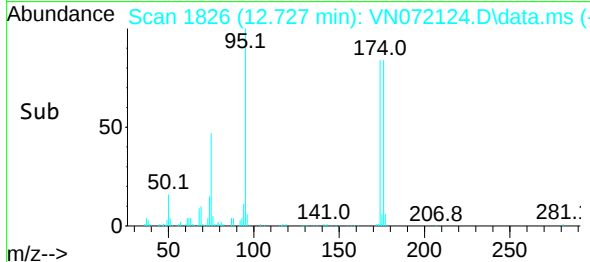
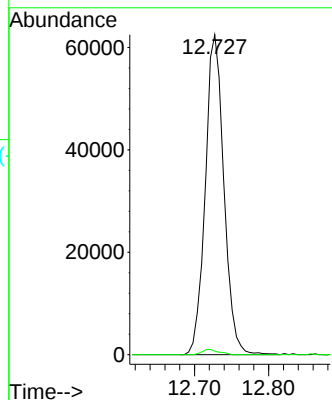
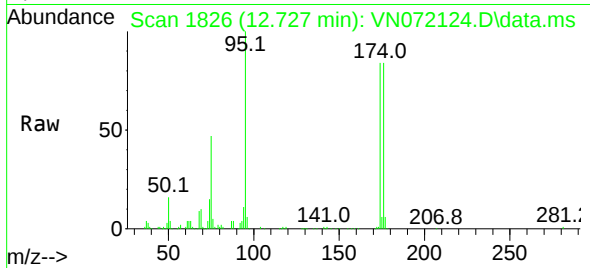




#76
1,2,3-Trichloropropane
Concen: 24.194 ug/l
RT: 12.727 min Scan# 1826
Delta R.T. -0.147 min
Lab File: VN072124.D
Acq: 21 Apr 2022 14:45

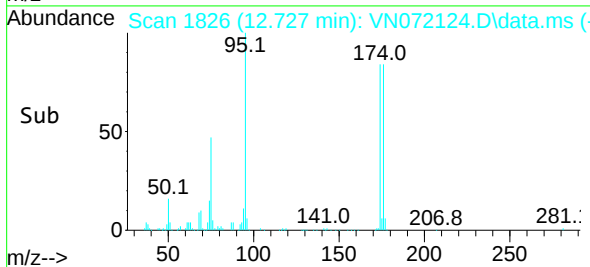
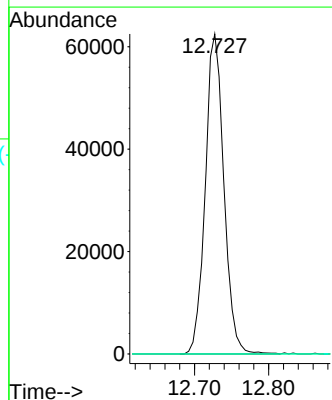
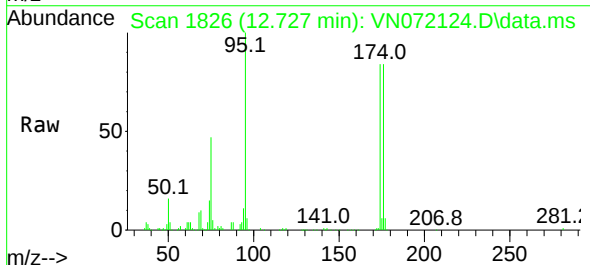
Instrument :
MSVOA_N
ClientSampleId :
MW-15

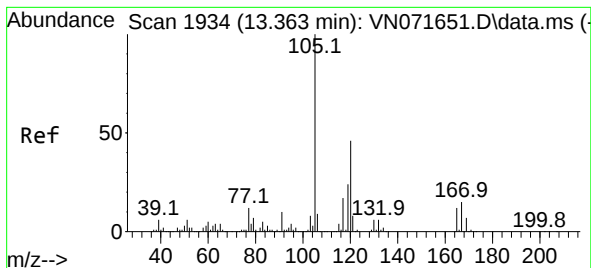
Tgt Ion: 75 Resp: 108891
Ion Ratio Lower Upper
75 100
77 1.5 98.5 295.5#



#81
trans-1,4-Dichloro-2-butene
Concen: 74.976 ug/l
RT: 12.727 min Scan# 1826
Delta R.T. 0.105 min
Lab File: VN072124.D
Acq: 21 Apr 2022 14:45

Tgt Ion: 75 Resp: 108891
Ion Ratio Lower Upper
75 100
53 0.0 78.0 117.0#
89 0.0 37.2 55.8#





#84

1,2,4-Trimethylbenzene

Concen: 0.375 ug/l

RT: 13.363 min Scan# 1934

Delta R.T. -0.000 min

Lab File: VN072124.D

Acq: 21 Apr 2022 14:45

Instrument :

MSVOA_N

ClientSampleId :

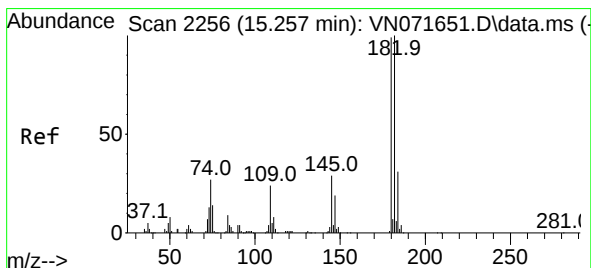
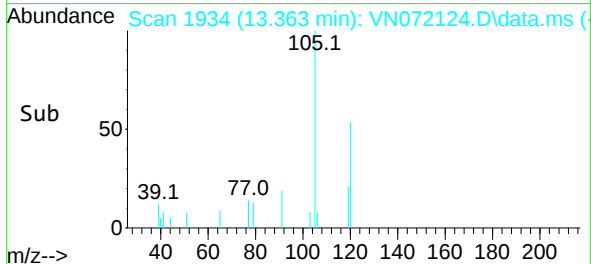
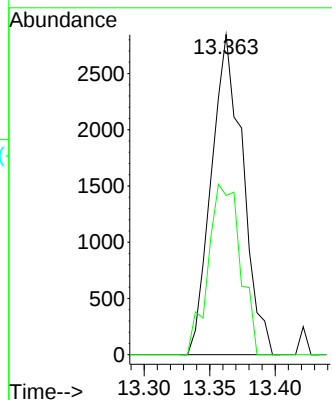
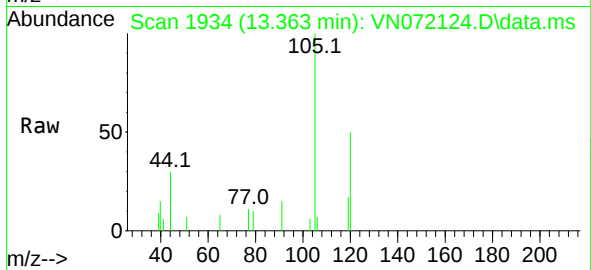
MW-15

Tgt Ion:105 Resp: 4741

Ion Ratio Lower Upper

105 100

120 54.5 23.3 69.8



#93

1,2,4-Trichlorobenzene

Concen: 2.181 ug/l

RT: 15.257 min Scan# 2256

Delta R.T. -0.000 min

Lab File: VN072124.D

Acq: 21 Apr 2022 14:45

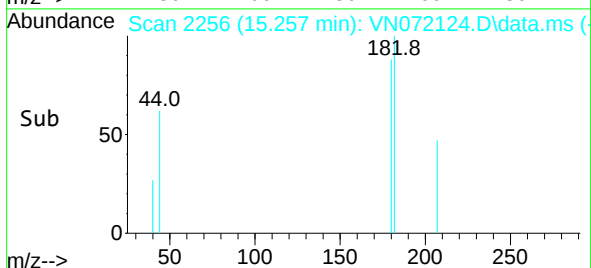
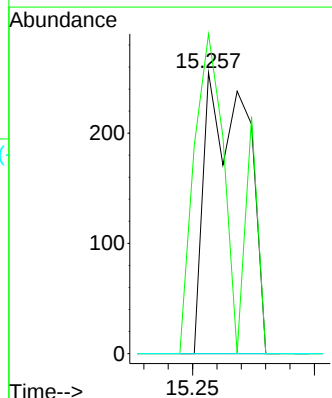
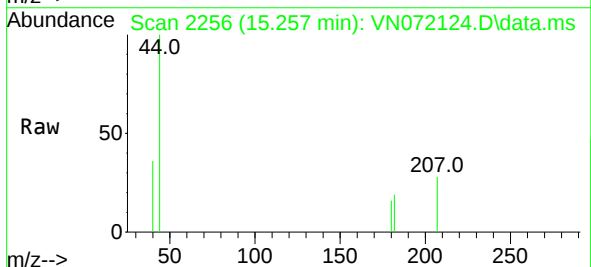
Tgt Ion:180 Resp: 308

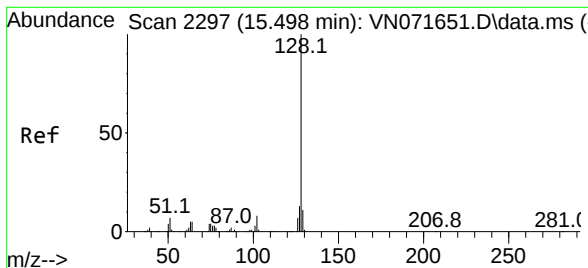
Ion Ratio Lower Upper

180 100

182 101.9 47.5 142.5

145 0.0 14.5 43.5#





#95

Naphthalene

Concen: 4.301 ug/l

RT: 15.504 min Scan# 21

Delta R.T. 0.006 min

Lab File: VN072124.D

Acq: 21 Apr 2022 14:45

Instrument :

MSVOA_N

ClientSampleId :

MW-15

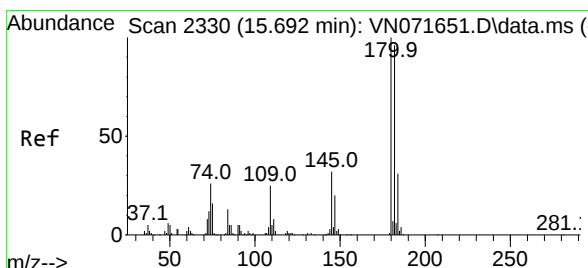
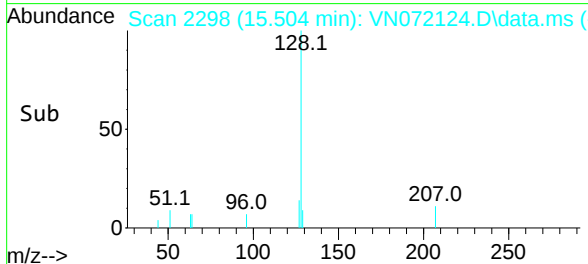
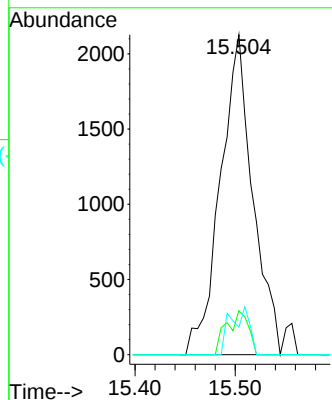
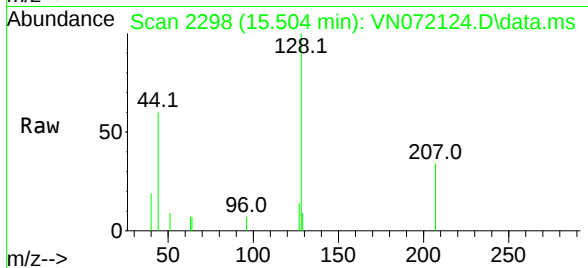
Tgt Ion:128 Resp: 4774

Ion Ratio Lower Upper

128 100

127 9.2 10.3 15.5#

129 8.8 8.6 13.0



#96

1,2,3-Trichlorobenzene

Concen: 2.569 ug/l

RT: 15.704 min Scan# 2332

Delta R.T. 0.012 min

Lab File: VN072124.D

Acq: 21 Apr 2022 14:45

Tgt Ion:180 Resp: 487

Ion Ratio Lower Upper

180 100

182 83.0 47.8 143.3

145 0.0 15.5 46.5#

