

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN011923\
 Data File : VN076319.D
 Acq On : 19 Jan 2023 13:43
 Operator : JC\MD
 Sample : 01221-02
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 MW-11-0118

Quant Time: Jan 20 00:55:22 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N011623W.M
 Quant Title : SW846 8260
 QLast Update : Tue Jan 17 03:59:22 2023
 Response via : Initial Calibration

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

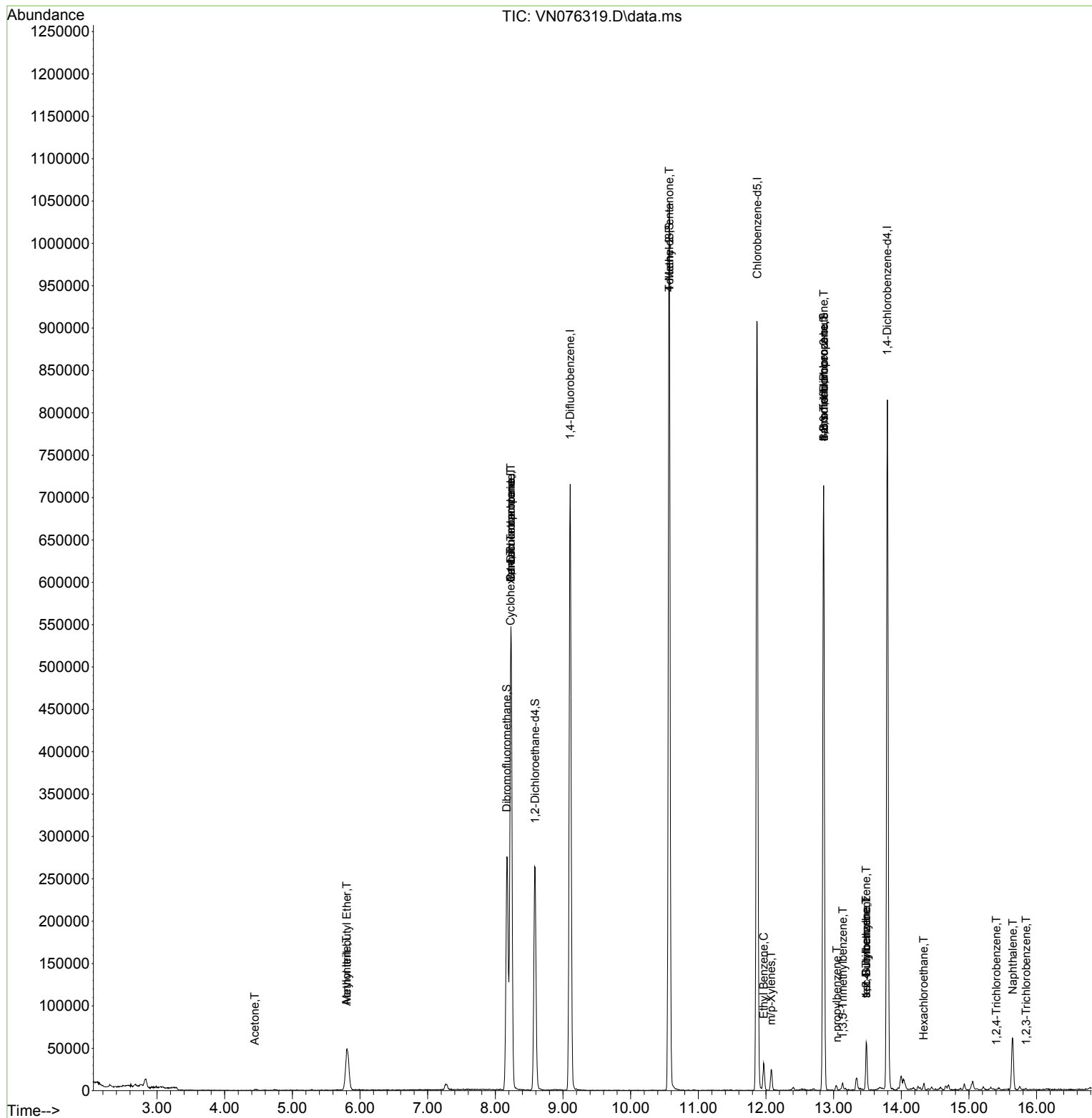
Internal Standards						
1) Pentafluorobenzene	8.230	168	431233	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.106	114	658428	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.871	117	567540	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.794	152	230549	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.588	65	216674	44.874	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	=	89.740%
35) Dibromofluoromethane	8.171	113	196501	47.709	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	95.420%
50) Toluene-d8	10.571	98	747446	49.139	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	=	98.280%
62) 4-Bromofluorobenzene	12.853	95	235893	47.505	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	=	95.000%
Target Compounds						
					Qvalue	
15) Acrylonitrile	5.800	53	621	0.338	ug/l #	1
16) Acetone	4.448	43	2402	1.479	ug/l	93
19) Methyl tert-butyl Ether	5.806	73	86310	6.419	ug/l	97
20) Methylene Chloride	5.295	84	240	Below Cal	#	53
31) Cyclohexane	8.224	56	8359	1.127	ug/l #	44
36) 1,1-Dichloropropene	8.230	75	29905	5.110	ug/l #	50
38) Carbon Tetrachloride	8.230	117	42552	6.520	ug/l #	16
51) 4-Methyl-2-Pentanone	10.571	43	2923	0.652	ug/l #	1
67) Ethyl Benzene	11.965	91	22999	1.120	ug/l	94
68) m/p-Xylenes	12.076	106	8241	1.001	ug/l	92
71) Bromoform	12.853	173	1813	0.562	ug/l #	1
76) 1,2,3-Trichloropropane	12.853	75	123830	29.087	ug/l #	1
78) n-propylbenzene	13.047	91	5637	0.280	ug/l	97
80) 1,3,5-Trimethylbenzene	13.135	105	8163	0.546	ug/l	65
81) trans-1,4-Dichloro-2-b...	12.853	75	123830	89.366	ug/l #	11
83) tert-Butylbenzene	13.482	119	4389	0.330	ug/l #	62
84) 1,2,4-Trimethylbenzene	13.482	105	34093	2.276	ug/l	97
85) sec-Butylbenzene	13.482	105	34093	1.849	ug/l #	56
90) Hexachloroethane	14.329	117	670	0.256	ug/l #	12
93) 1,2,4-Trichlorobenzene	15.406	180	230	1.361	ug/l #	34
95) Naphthalene	15.647	128	62732	6.883	ug/l	99
96) 1,2,3-Trichlorobenzene	15.847	180	213	1.208	ug/l #	45

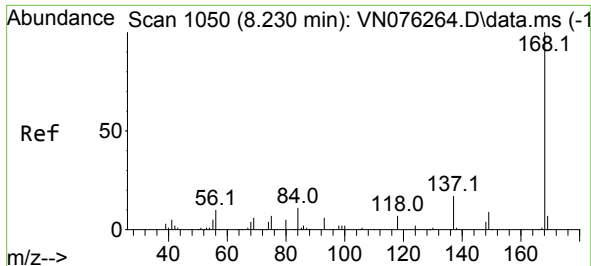
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
QLast Update : Tue Jan 17 03:59:22 2023
Response via : Initial Calibration

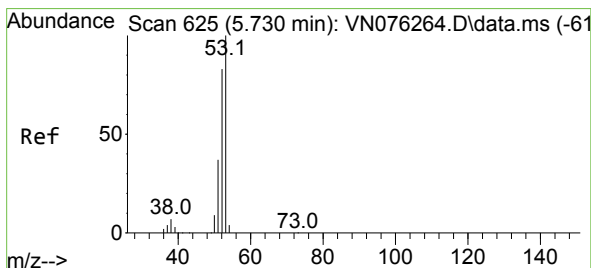
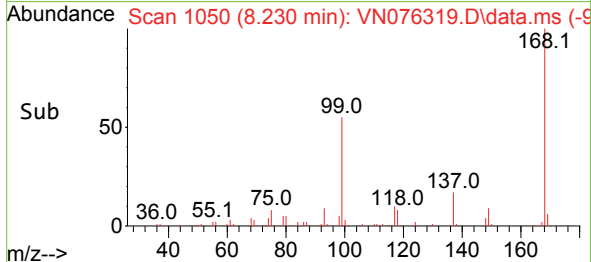
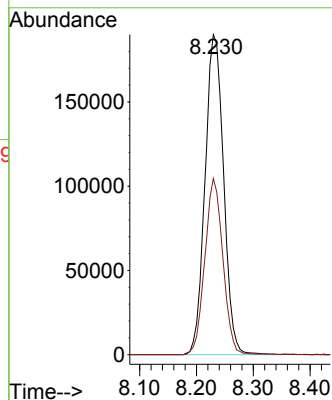
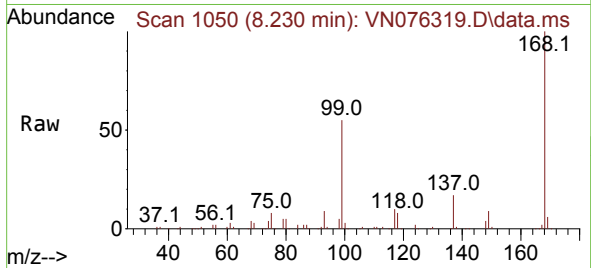




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.230 min Scan# 1050
Delta R.T. -0.000 min
Lab File: VN076319.D
Acq: 19 Jan 2023 13:43

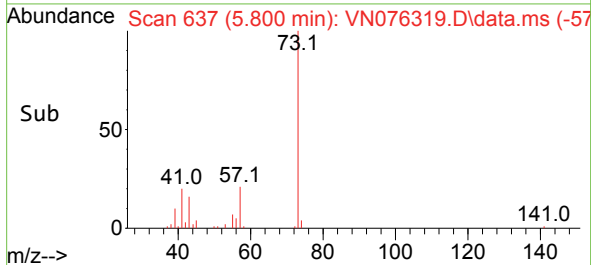
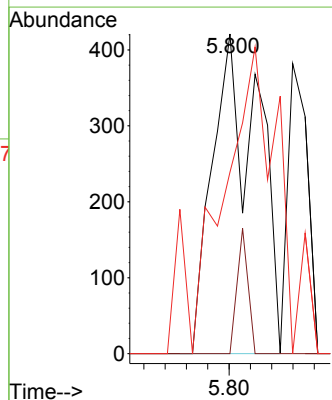
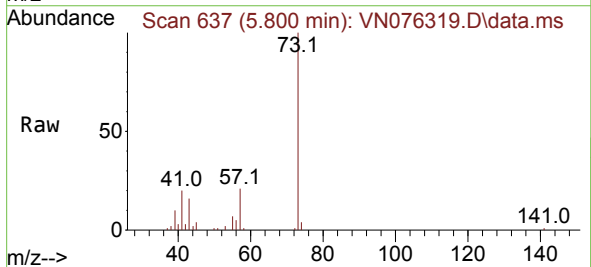
Instrument :
MSVOA_N
ClientSampleId :
MW-11-0118

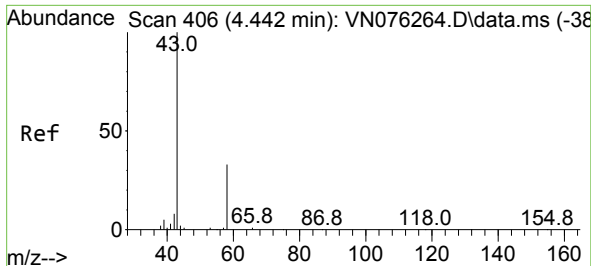
Tgt Ion:168 Resp: 431233
Ion Ratio Lower Upper
168 100
99 55.0 41.6 62.4



#15
Acrylonitrile
Concen: 0.338 ug/l
RT: 5.800 min Scan# 637
Delta R.T. 0.070 min
Lab File: VN076319.D
Acq: 19 Jan 2023 13:43

Tgt Ion: 53 Resp: 621
Ion Ratio Lower Upper
53 100
52 9.3 64.7 97.1#
51 126.4 29.2 43.8#

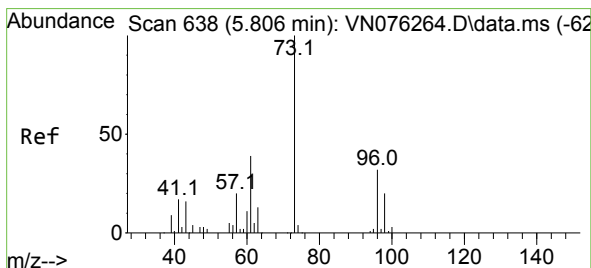
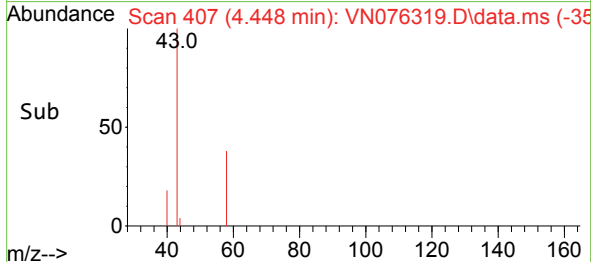
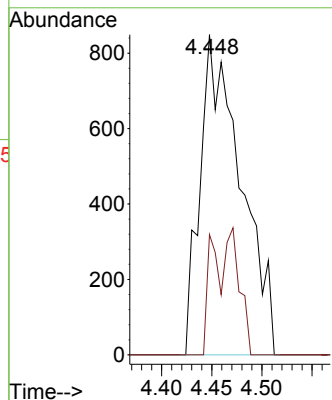
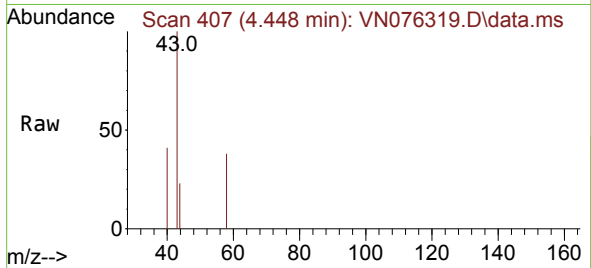




#16
Acetone
Concen: 1.479 ug/l
RT: 4.448 min Scan# 406
Delta R.T. 0.006 min
Lab File: VN076319.D
Acq: 19 Jan 2023 13:43

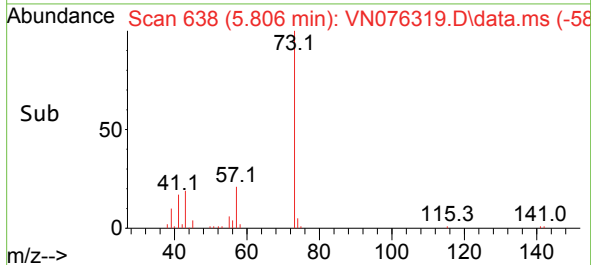
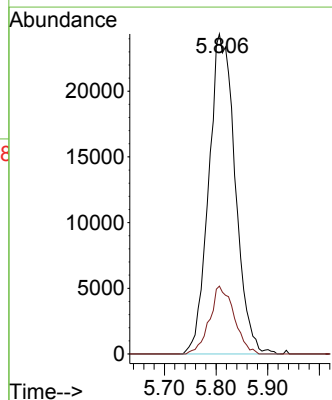
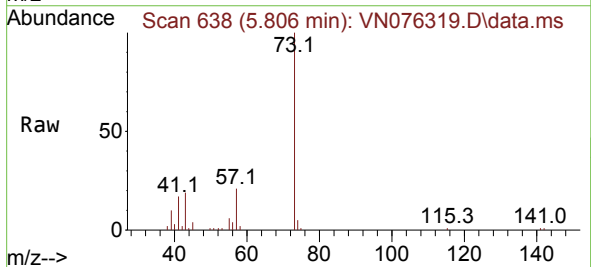
Instrument :
MSVOA_N
ClientSampleId :
MW-11-0118

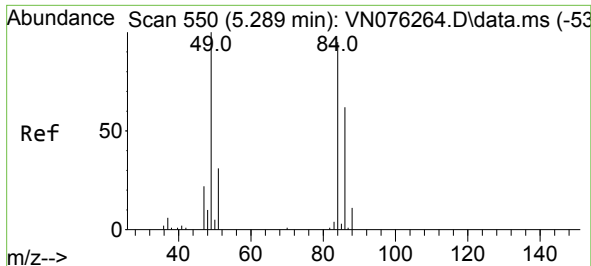
Tgt Ion: 43 Resp: 2402
Ion Ratio Lower Upper
43 100
58 37.6 26.7 40.1



#19
Methyl tert-butyl Ether
Concen: 6.419 ug/l
RT: 5.806 min Scan# 638
Delta R.T. 0.000 min
Lab File: VN076319.D
Acq: 19 Jan 2023 13:43

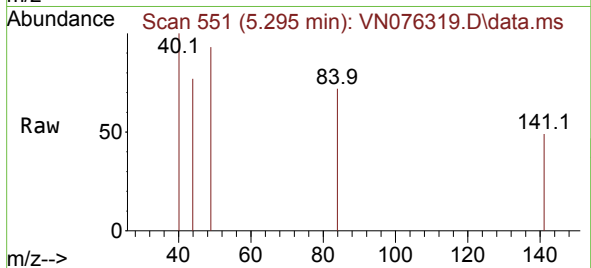
Tgt Ion: 73 Resp: 86310
Ion Ratio Lower Upper
73 100
57 21.2 15.9 23.9



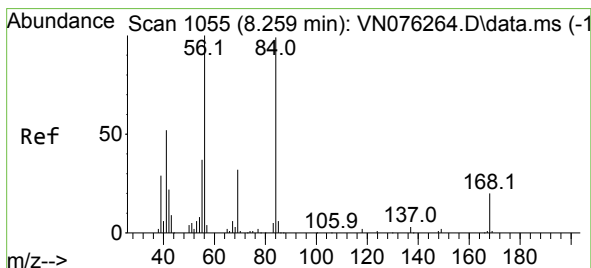
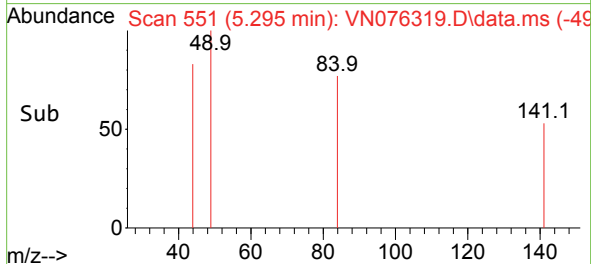
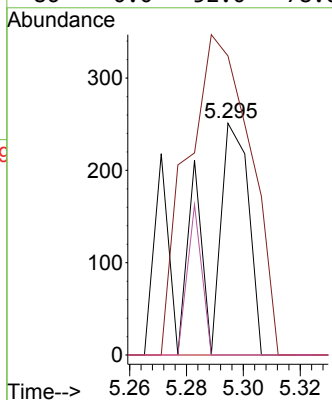


#20
Methylene Chloride
Concen: Below Cal
RT: 5.295 min Scan# 51
Delta R.T. 0.006 min
Lab File: VN076319.D
Acq: 19 Jan 2023 13:43

Instrument :
MSVOA_N
ClientSampleId :
MW-11-0118

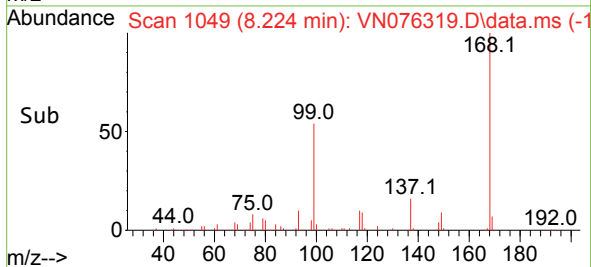
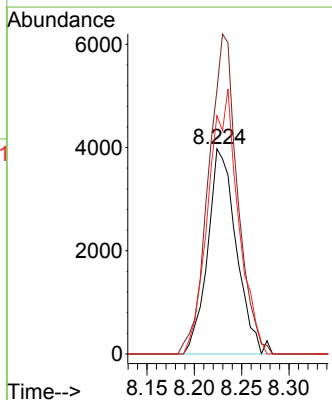
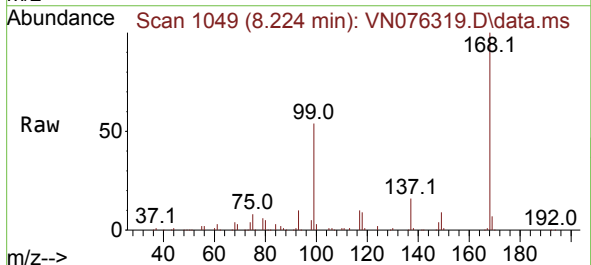


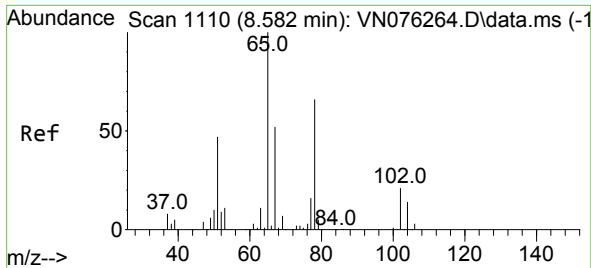
Tgt Ion:	84	Resp:	240
Ion	Ratio	Lower	Upper
84	100		
49	129.1	84.5	126.7#
51	0.0	26.0	39.0#
86	0.0	52.0	78.0#



#31
Cyclohexane
Concen: 1.127 ug/l
RT: 8.224 min Scan# 1049
Delta R.T. -0.035 min
Lab File: VN076319.D
Acq: 19 Jan 2023 13:43

Tgt Ion:	56	Resp:	8359
Ion	Ratio	Lower	Upper
56	100		
69	128.5	25.8	38.8#
84	116.2	79.0	118.4





#33

1,2-Dichloroethane-d4

Concen: 44.874 ug/l

RT: 8.588 min Scan# 1111

Delta R.T. 0.006 min

Lab File: VN076319.D

Acq: 19 Jan 2023 13:43

Instrument :

MSVOA_N

ClientSampleId :

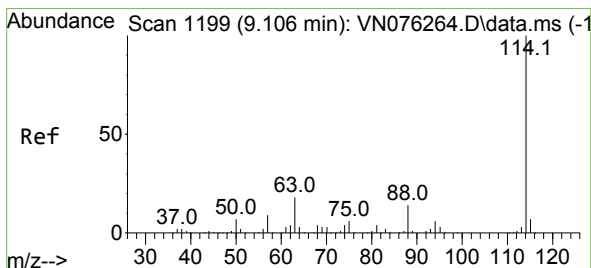
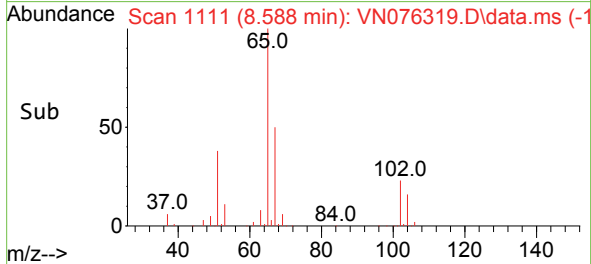
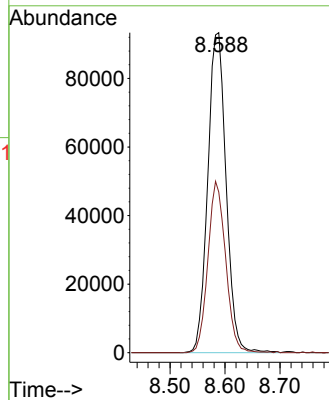
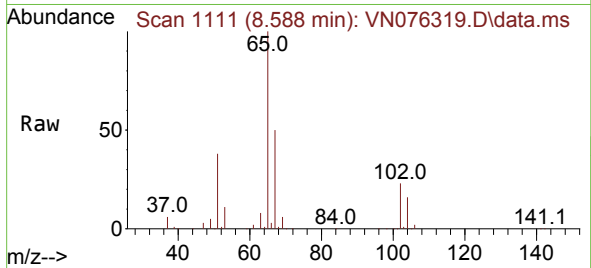
MW-11-0118

Tgt Ion: 65 Resp: 216674

Ion Ratio Lower Upper

65 100

67 51.7 0.0 104.6



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 9.106 min Scan# 1199

Delta R.T. 0.000 min

Lab File: VN076319.D

Acq: 19 Jan 2023 13:43

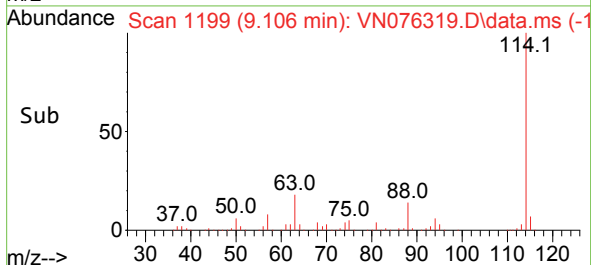
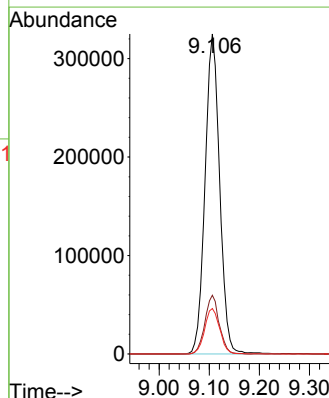
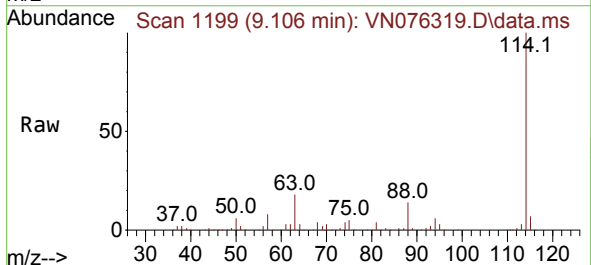
Tgt Ion: 114 Resp: 658428

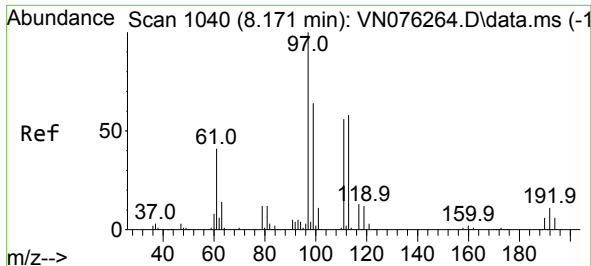
Ion Ratio Lower Upper

114 100

63 18.3 0.0 35.8

88 14.2 0.0 28.0

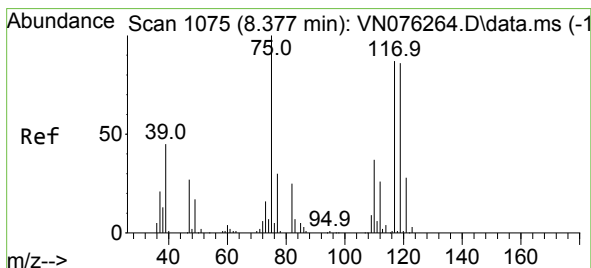
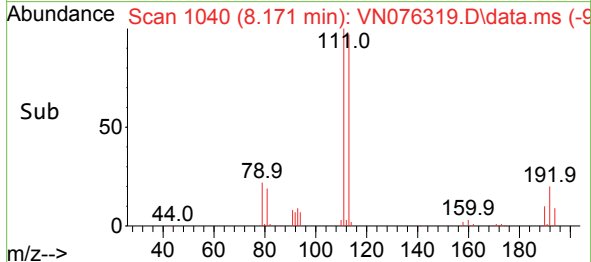
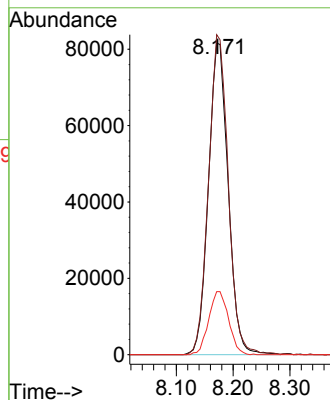
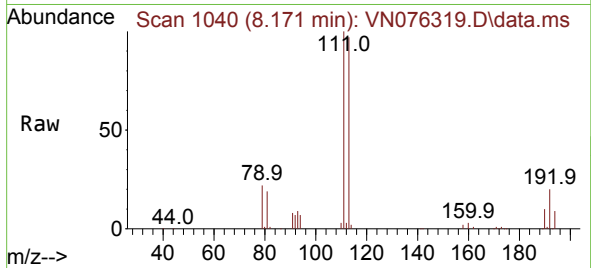




#35
Dibromofluoromethane
Concen: 47.709 ug/l
RT: 8.171 min Scan# 1040
Delta R.T. -0.000 min
Lab File: VN076319.D
Acq: 19 Jan 2023 13:43

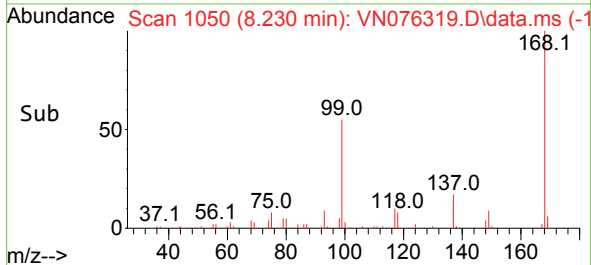
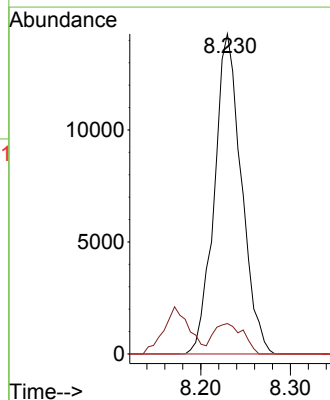
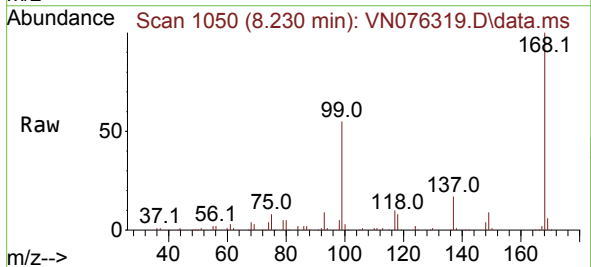
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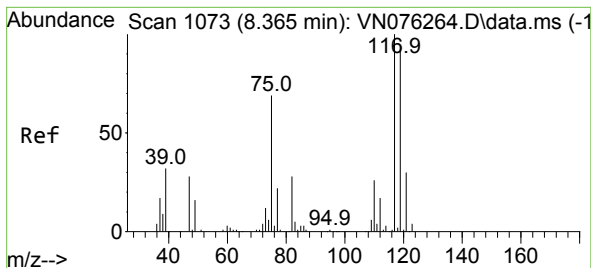
Tgt Ion:113 Resp: 196501
Ion Ratio Lower Upper
113 100
111 102.7 82.7 124.1
192 20.4 15.6 23.4



#36
1,1-Dichloropropene
Concen: 5.110 ug/l
RT: 8.230 min Scan# 1050
Delta R.T. -0.147 min
Lab File: VN076319.D
Acq: 19 Jan 2023 13:43

Tgt Ion: 75 Resp: 29905
Ion Ratio Lower Upper
75 100
110 10.4 18.8 56.3#
77 0.0 25.0 37.4#





#38

Carbon Tetrachloride

Concen: 6.520 ug/l

RT: 8.230 min Scan# 1073

Delta R.T. -0.135 min

Lab File: VN076319.D

Acq: 19 Jan 2023 13:43

Instrument :

MSVOA_N

ClientSampleId :

MW-11-0118

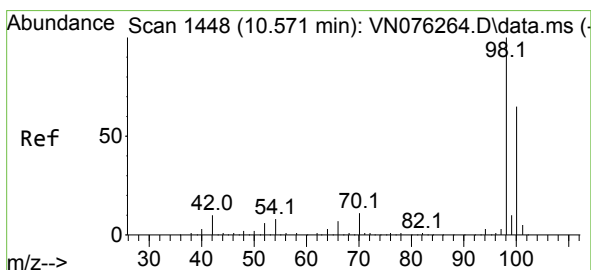
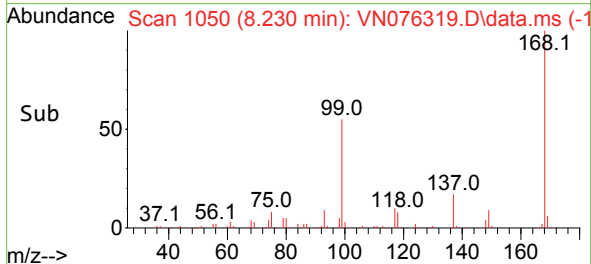
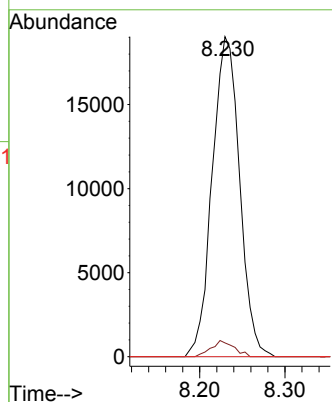
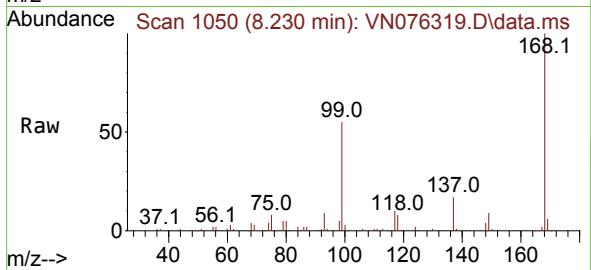
Tgt Ion:117 Resp: 42552

Ion Ratio Lower Upper

117 100

119 4.3 75.4 113.0#

121 0.0 24.2 36.2#



#50

Toluene-d8

Concen: 49.139 ug/l

RT: 10.571 min Scan# 1448

Delta R.T. -0.000 min

Lab File: VN076319.D

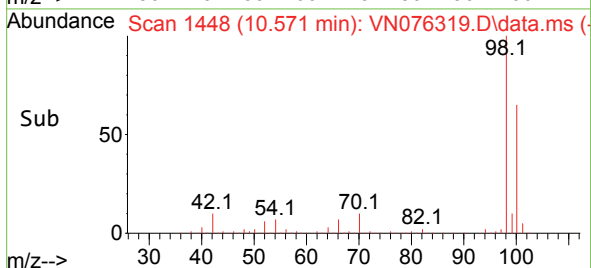
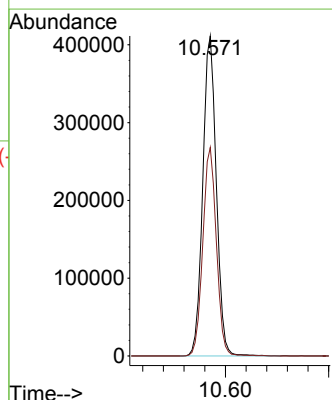
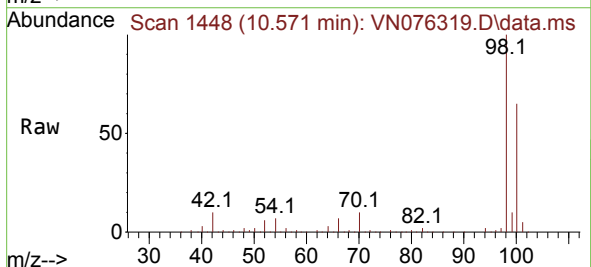
Acq: 19 Jan 2023 13:43

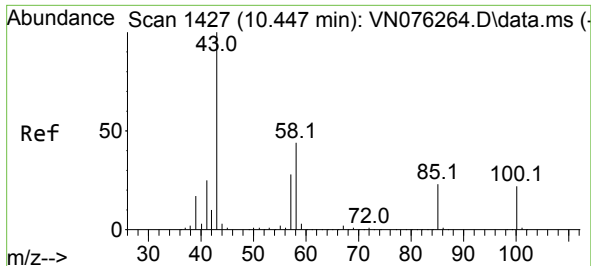
Tgt Ion: 98 Resp: 747446

Ion Ratio Lower Upper

98 100

100 65.3 52.2 78.4





#51

4-Methyl-2-Pentanone

Concen: 0.652 ug/l

RT: 10.571 min Scan# 1427

Delta R.T. 0.124 min

Lab File: VN076319.D

Acq: 19 Jan 2023 13:43

Instrument :

MSVOA_N

ClientSampleId :

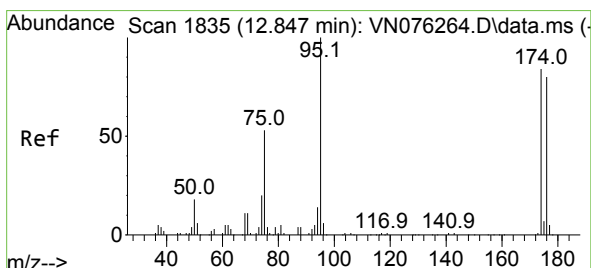
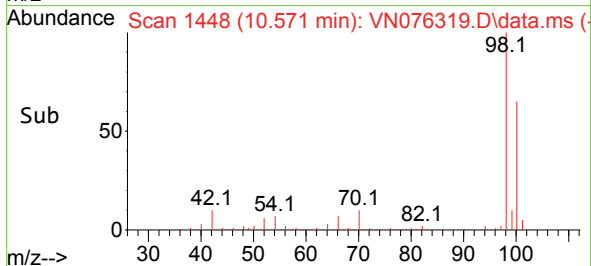
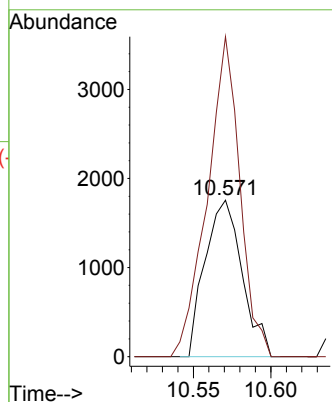
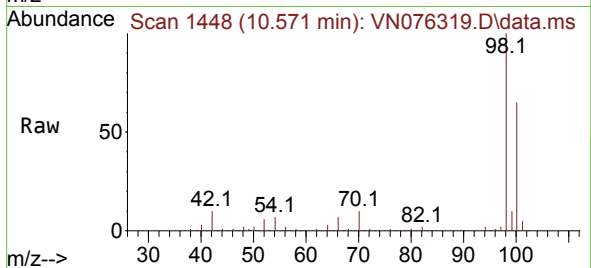
MW-11-0118

Tgt Ion: 43 Resp: 2923

Ion Ratio Lower Upper

43 100

58 179.1 35.1 52.7#



#62

4-Bromofluorobenzene

Concen: 47.505 ug/l

RT: 12.853 min Scan# 1836

Delta R.T. 0.006 min

Lab File: VN076319.D

Acq: 19 Jan 2023 13:43

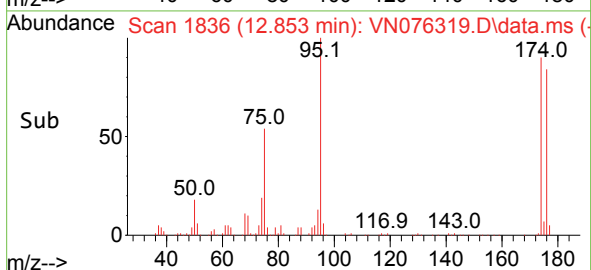
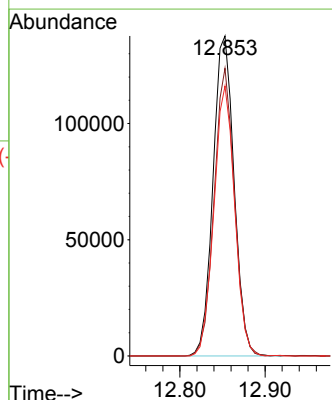
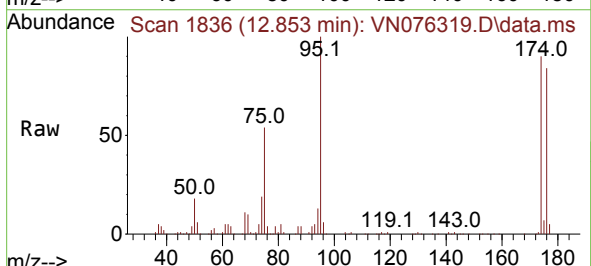
Tgt Ion: 95 Resp: 235893

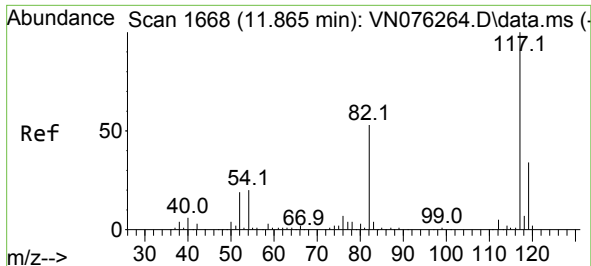
Ion Ratio Lower Upper

95 100

174 87.5 0.0 174.6

176 83.3 0.0 167.8

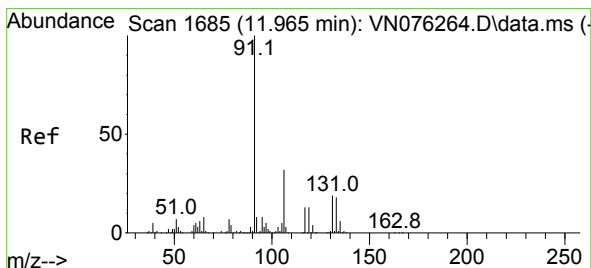
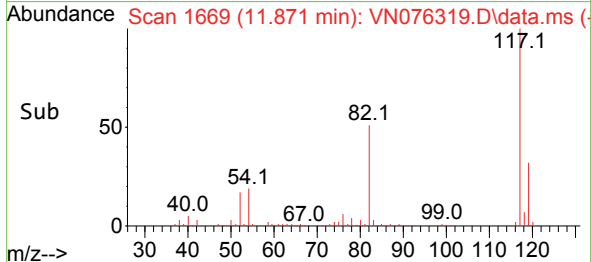
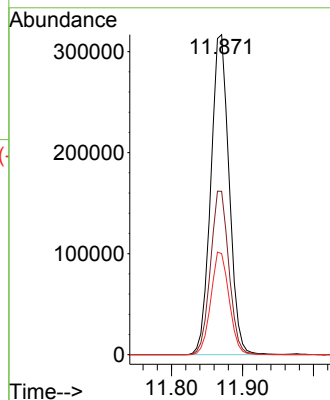
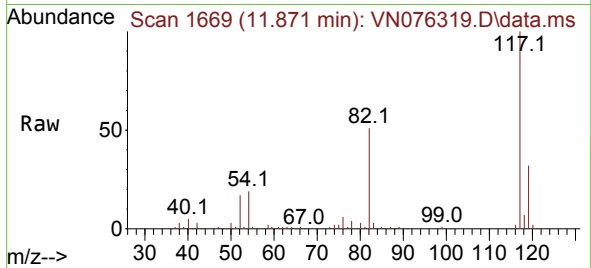




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.871 min Scan# 117
Delta R.T. 0.006 min
Lab File: VN076319.D
Acq: 19 Jan 2023 13:43

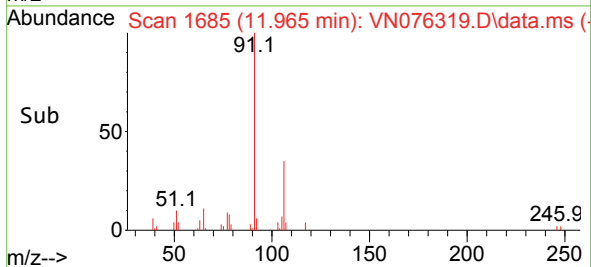
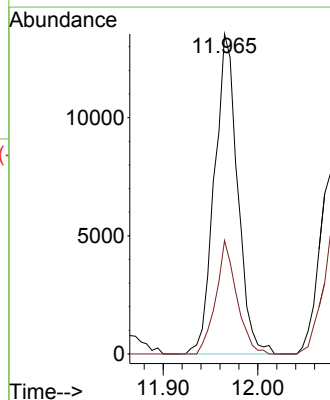
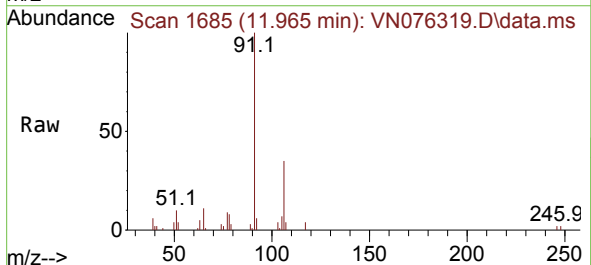
Instrument :
MSVOA_N
ClientSampleId :
MW-11-0118

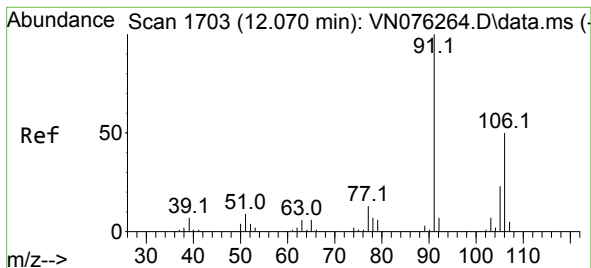
Tgt Ion:117 Resp: 567540
Ion Ratio Lower Upper
117 100
82 51.0 42.2 63.2
119 31.6 26.9 40.3



#67
Ethyl Benzene
Concen: 1.120 ug/l
RT: 11.965 min Scan# 1685
Delta R.T. -0.000 min
Lab File: VN076319.D
Acq: 19 Jan 2023 13:43

Tgt Ion: 91 Resp: 22999
Ion Ratio Lower Upper
91 100
106 35.5 25.5 38.3





#68

m/p-Xylenes

Concen: 1.001 ug/l

RT: 12.076 min Scan# 11

Delta R.T. 0.006 min

Lab File: VN076319.D

Acq: 19 Jan 2023 13:43

Instrument :

MSVOA_N

ClientSampleId :

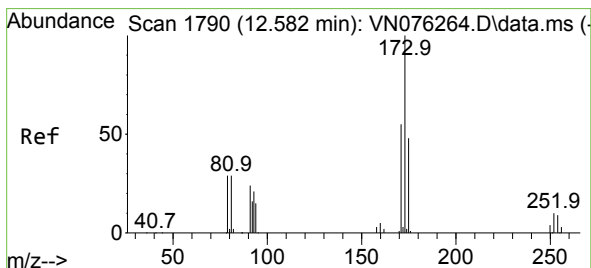
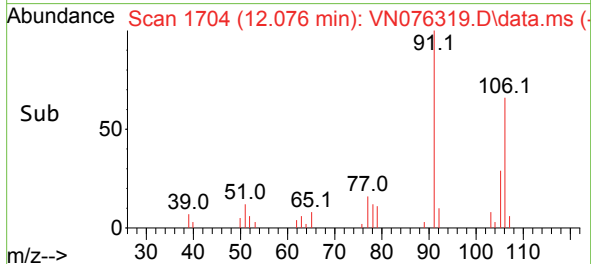
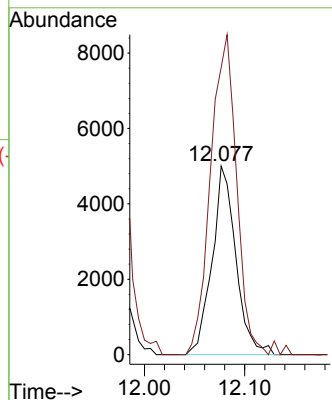
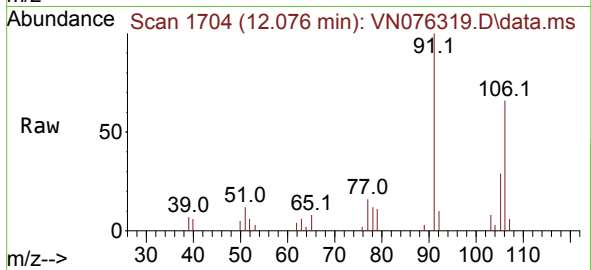
MW-11-0118

Tgt Ion:106 Resp: 8241

Ion Ratio Lower Upper

106 100

91 184.6 157.5 236.3



#71

Bromoform

Concen: 0.562 ug/l

RT: 12.853 min Scan# 1836

Delta R.T. 0.271 min

Lab File: VN076319.D

Acq: 19 Jan 2023 13:43

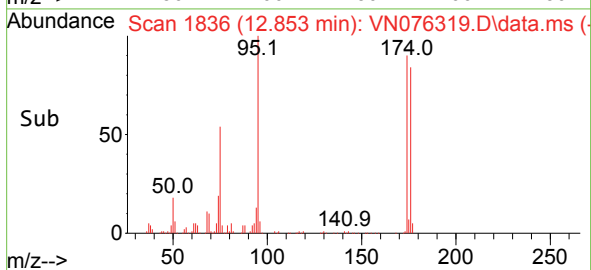
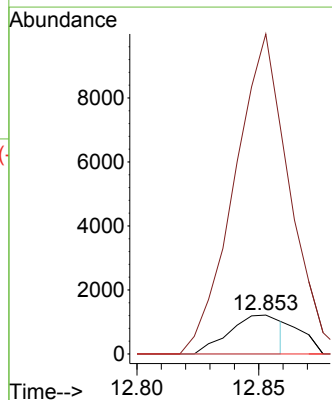
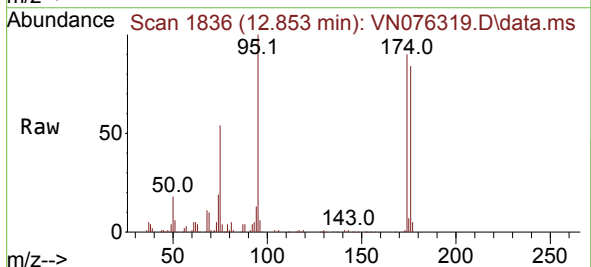
Tgt Ion:173 Resp: 1813

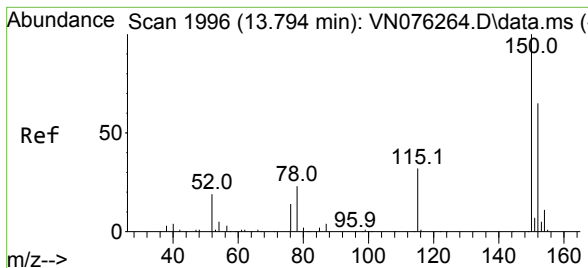
Ion Ratio Lower Upper

173 100

175 720.4 24.1 72.4#

254 0.0 0.0 0.0





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.794 min Scan# 1996

Delta R.T. 0.000 min

Lab File: VN076319.D

Acq: 19 Jan 2023 13:43

Instrument :

MSVOA_N

ClientSampleId :

MW-11-0118

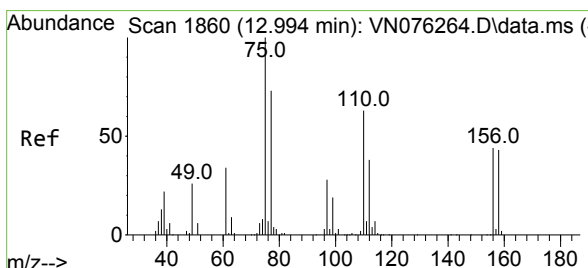
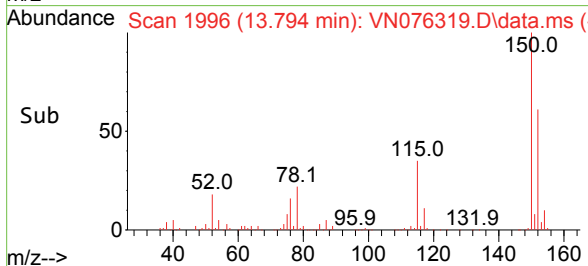
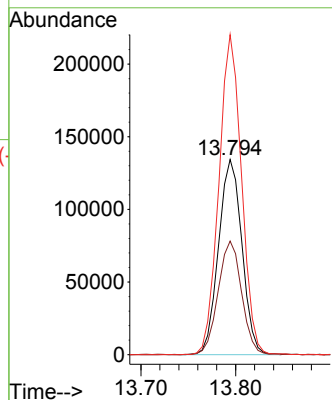
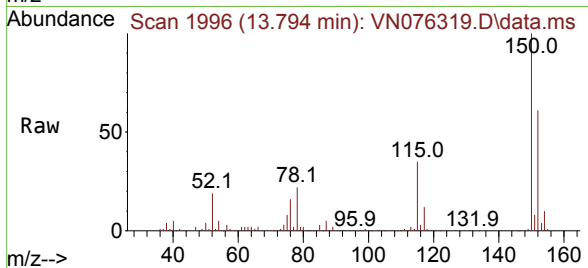
Tgt Ion:152 Resp: 230549

Ion Ratio Lower Upper

152 100

115 58.7 29.6 88.9

150 158.6 0.0 351.4



#76

1,2,3-Trichloropropane

Concen: 29.087 ug/l

RT: 12.853 min Scan# 1836

Delta R.T. -0.141 min

Lab File: VN076319.D

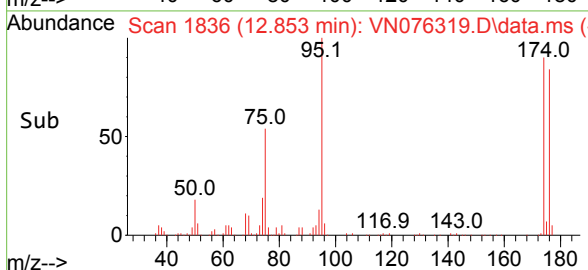
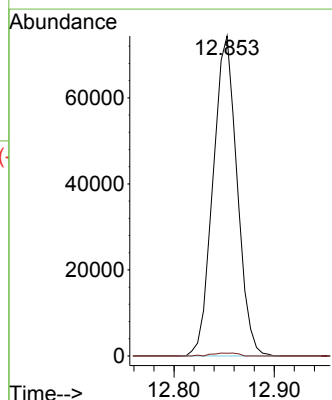
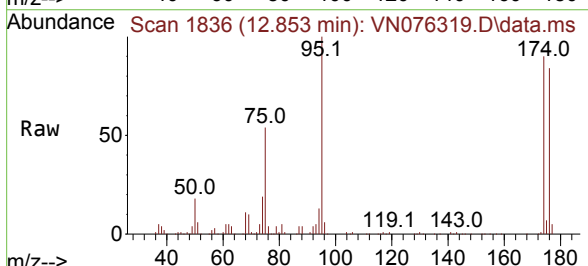
Acq: 19 Jan 2023 13:43

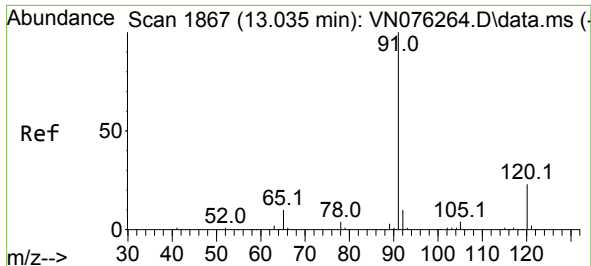
Tgt Ion: 75 Resp: 123830

Ion Ratio Lower Upper

75 100

77 1.0 75.2 225.6#

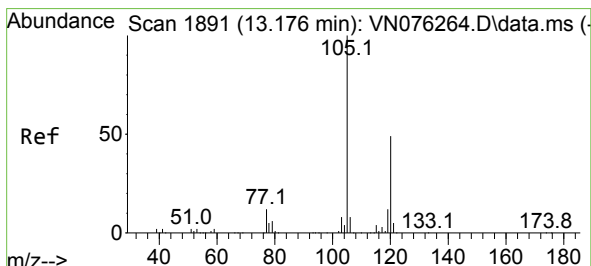
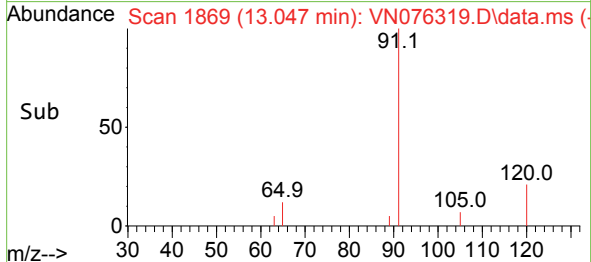
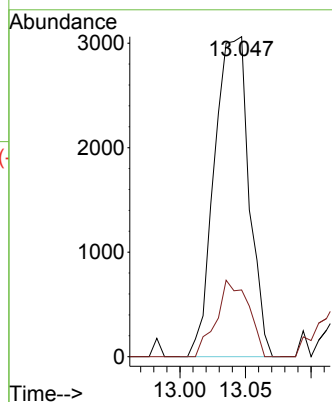
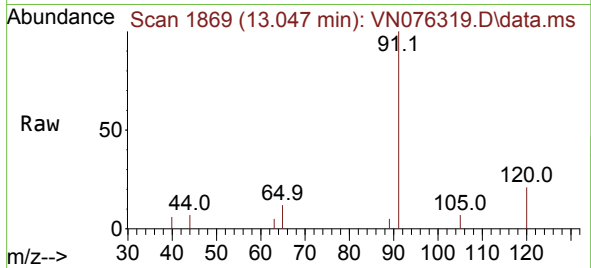




#78
n-propylbenzene
Concen: 0.280 ug/l
RT: 13.047 min Scan# 1869
Delta R.T. 0.012 min
Lab File: VN076319.D
Acq: 19 Jan 2023 13:43

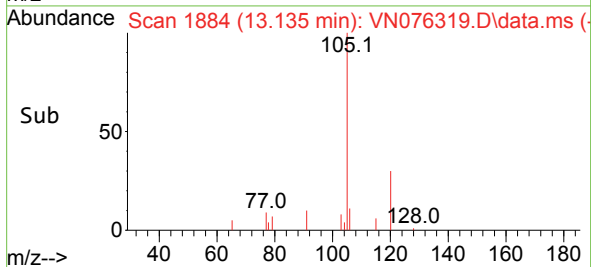
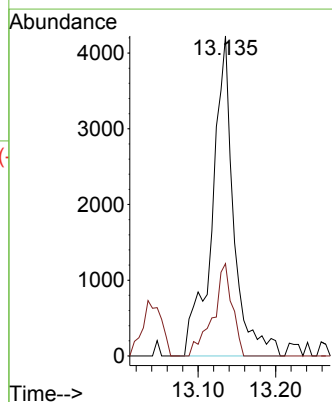
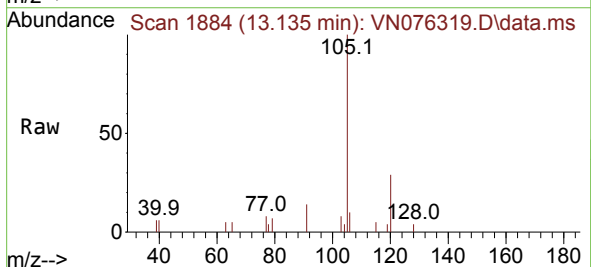
Instrument :
MSVOA_N
ClientSampleId :
MW-11-0118

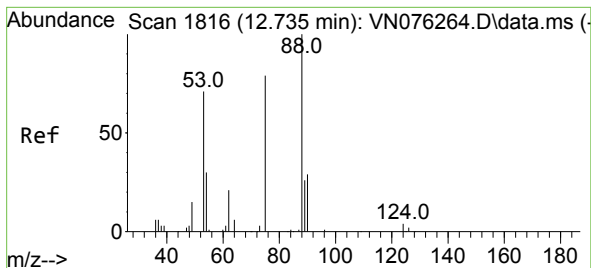
Tgt Ion: 91 Resp: 5637
Ion Ratio Lower Upper
91 100
120 22.1 11.9 35.5



#80
1,3,5-Trimethylbenzene
Concen: 0.546 ug/l
RT: 13.135 min Scan# 1884
Delta R.T. -0.041 min
Lab File: VN076319.D
Acq: 19 Jan 2023 13:43

Tgt Ion: 105 Resp: 8163
Ion Ratio Lower Upper
105 100
120 25.6 25.0 75.0

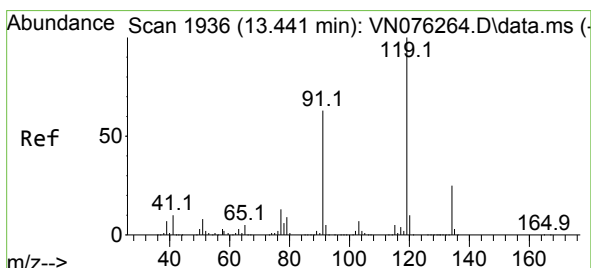
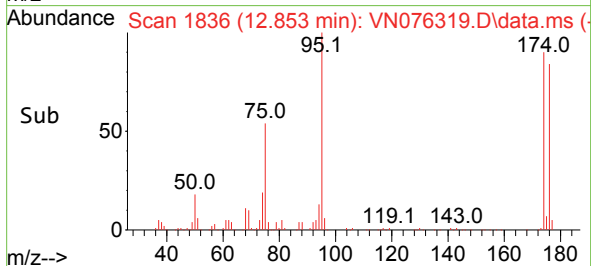
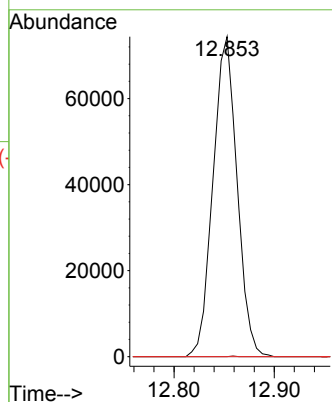
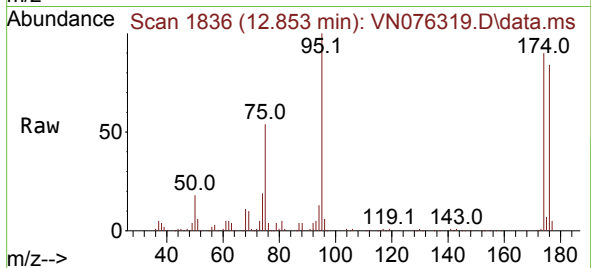




#81
 trans-1,4-Dichloro-2-butene
 Concen: 89.366 ug/l
 RT: 12.853 min Scan# 1836
 Delta R.T. 0.118 min
 Lab File: VN076319.D
 Acq: 19 Jan 2023 13:43

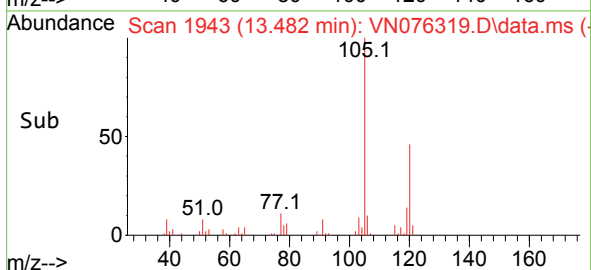
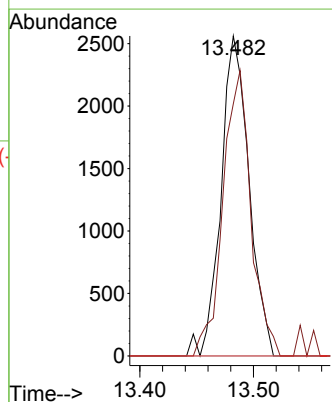
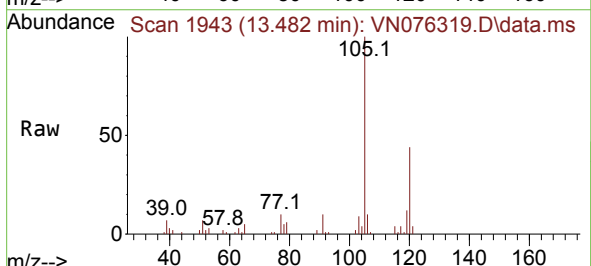
Instrument :
 MSVOA_N
 ClientSampleId :
 MW-11-0118

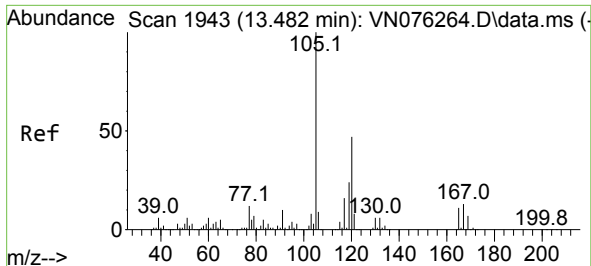
Tgt Ion: 75 Resp: 123830
 Ion Ratio Lower Upper
 75 100
 53 0.1 75.8 113.8#
 89 0.0 37.0 55.6#



#83
 tert-Butylbenzene
 Concen: 0.330 ug/l
 RT: 13.482 min Scan# 1943
 Delta R.T. 0.041 min
 Lab File: VN076319.D
 Acq: 19 Jan 2023 13:43

Tgt Ion: 119 Resp: 4389
 Ion Ratio Lower Upper
 119 100
 91 89.3 32.2 96.6
 134 0.0 13.6 40.8#

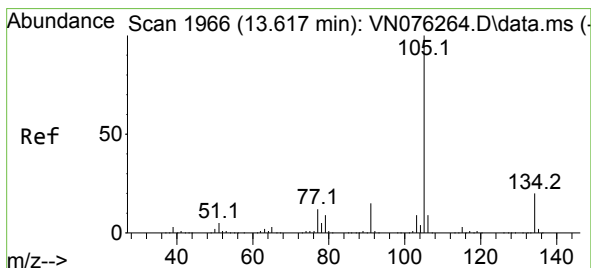
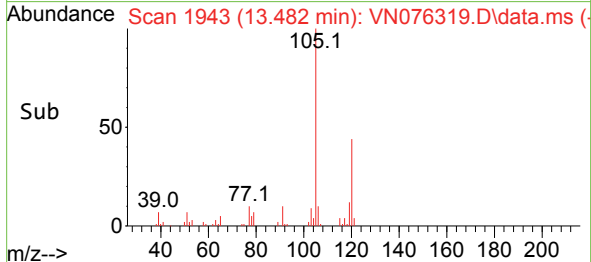
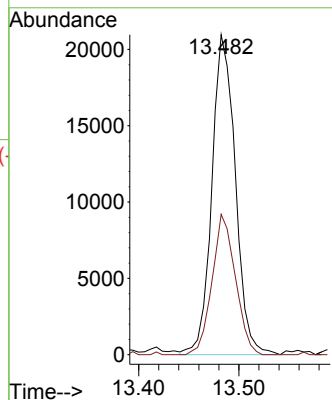
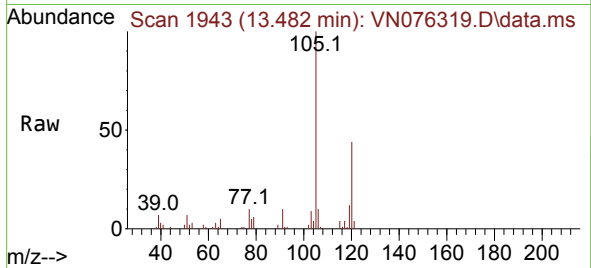




#84
1,2,4-Trimethylbenzene
Concen: 2.276 ug/l
RT: 13.482 min Scan# 1943
Delta R.T. 0.000 min
Lab File: VN076319.D
Acq: 19 Jan 2023 13:43

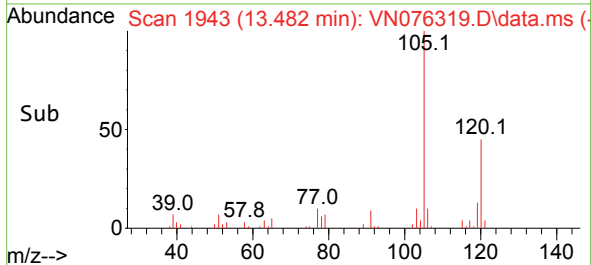
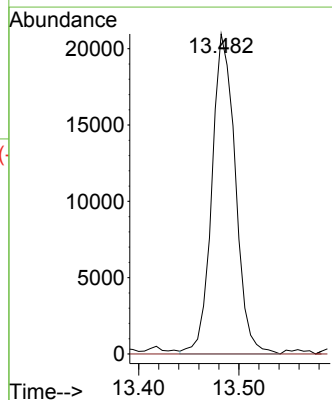
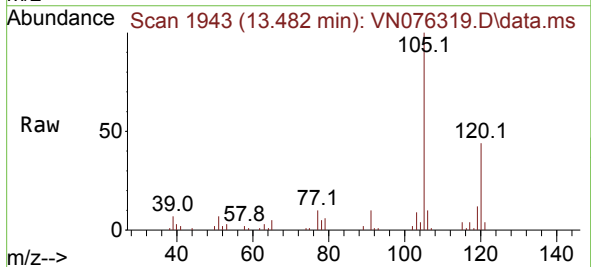
Instrument :
MSVOA_N
ClientSampleId :
MW-11-0118

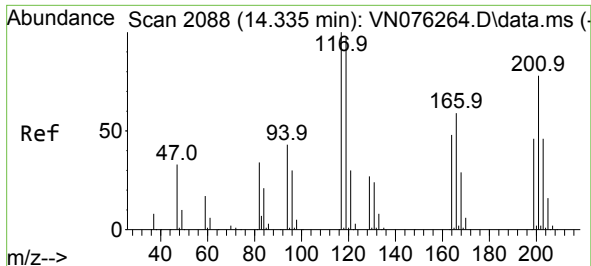
Tgt Ion:105 Resp: 34093
Ion Ratio Lower Upper
105 100
120 43.6 22.9 68.5



#85
sec-Butylbenzene
Concen: 1.849 ug/l
RT: 13.482 min Scan# 1943
Delta R.T. -0.135 min
Lab File: VN076319.D
Acq: 19 Jan 2023 13:43

Tgt Ion:105 Resp: 34093
Ion Ratio Lower Upper
105 100
134 0.0 10.3 30.8#

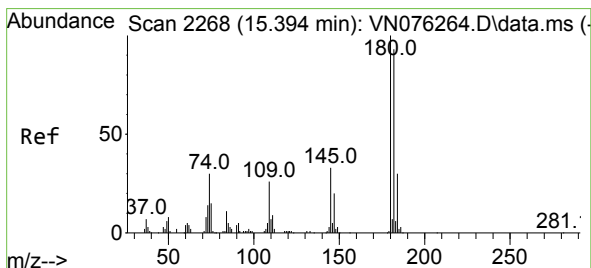
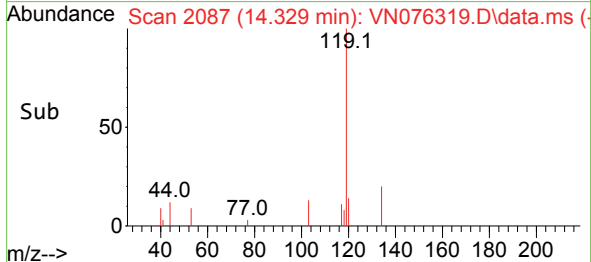
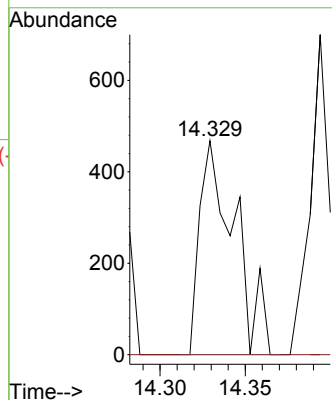
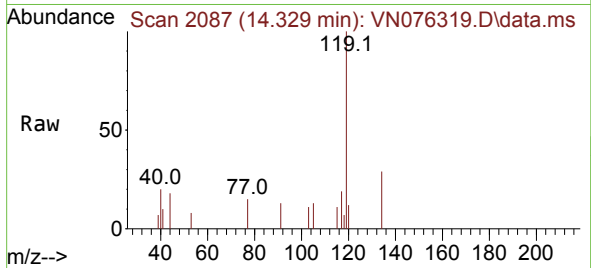




#90
Hexachloroethane
Concen: 0.256 ug/l
RT: 14.329 min Scan# 2087
Delta R.T. -0.006 min
Lab File: VN076319.D
Acq: 19 Jan 2023 13:43

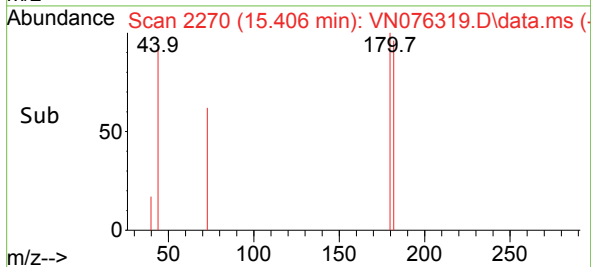
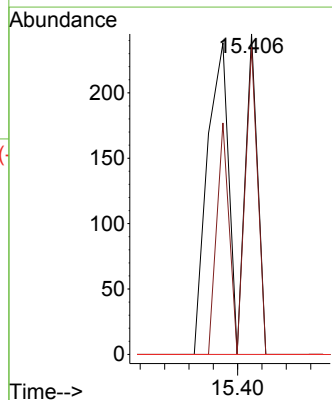
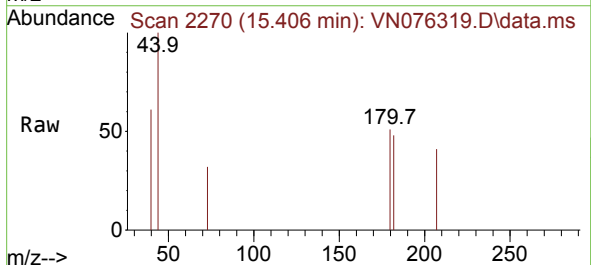
Instrument :
MSVOA_N
ClientSampleId :
MW-11-0118

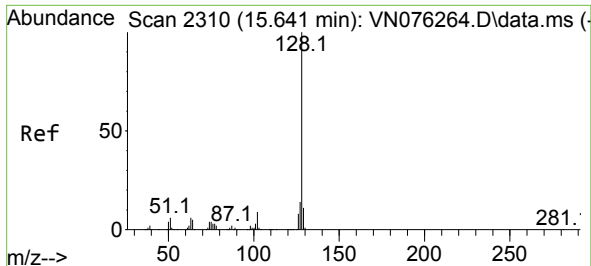
Tgt Ion:117 Resp: 670
Ion Ratio Lower Upper
117 100
201 0.0 37.3 111.9#



#93
1,2,4-Trichlorobenzene
Concen: 1.361 ug/l
RT: 15.406 min Scan# 2270
Delta R.T. 0.012 min
Lab File: VN076319.D
Acq: 19 Jan 2023 13:43

Tgt Ion:180 Resp: 230
Ion Ratio Lower Upper
180 100
182 27.0 47.0 141.2#
145 0.0 15.2 45.5#

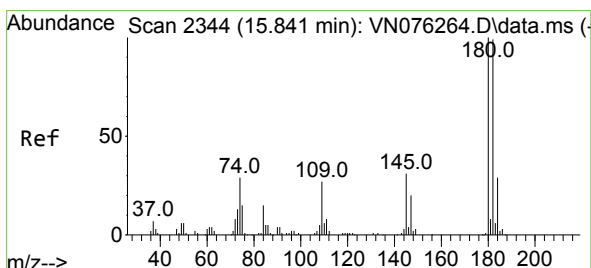
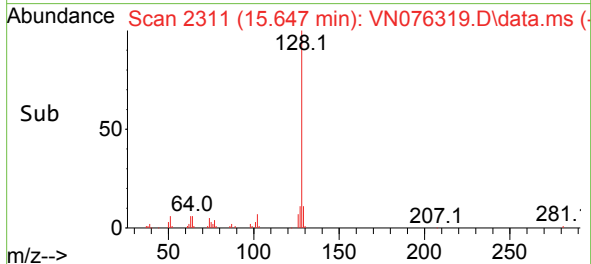
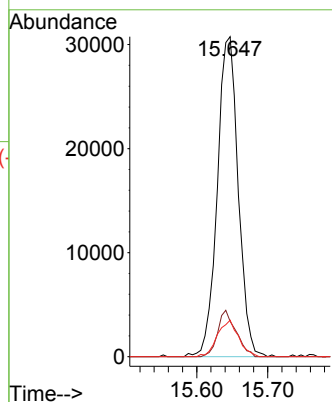
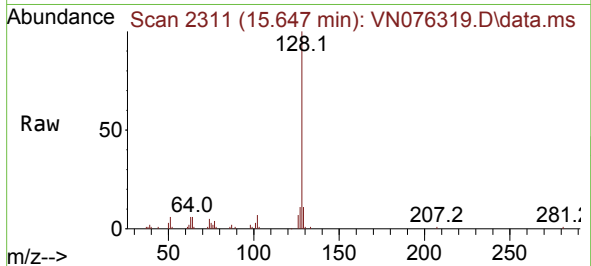




#95
Naphthalene
Concen: 6.883 ug/l
RT: 15.647 min Scan# 2310
Delta R.T. 0.006 min
Lab File: VN076319.D
Acq: 19 Jan 2023 13:43

Instrument :
MSVOA_N
ClientSampleId :
MW-11-0118

Tgt Ion:128 Resp: 62732
Ion Ratio Lower Upper
128 100
127 12.7 10.3 15.5
129 11.5 8.6 13.0



#96
1,2,3-Trichlorobenzene
Concen: 1.208 ug/l
RT: 15.847 min Scan# 2345
Delta R.T. 0.006 min
Lab File: VN076319.D
Acq: 19 Jan 2023 13:43

Tgt Ion:180 Resp: 213
Ion Ratio Lower Upper
180 100
182 27.2 47.5 142.5#
145 26.3 15.9 47.6

