

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN012023\
 Data File : VN076342.D
 Acq On : 20 Jan 2023 12:49
 Operator : JC\MD
 Sample : IBLK
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 IBLK

Quant Time: Jan 20 22:14:26 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

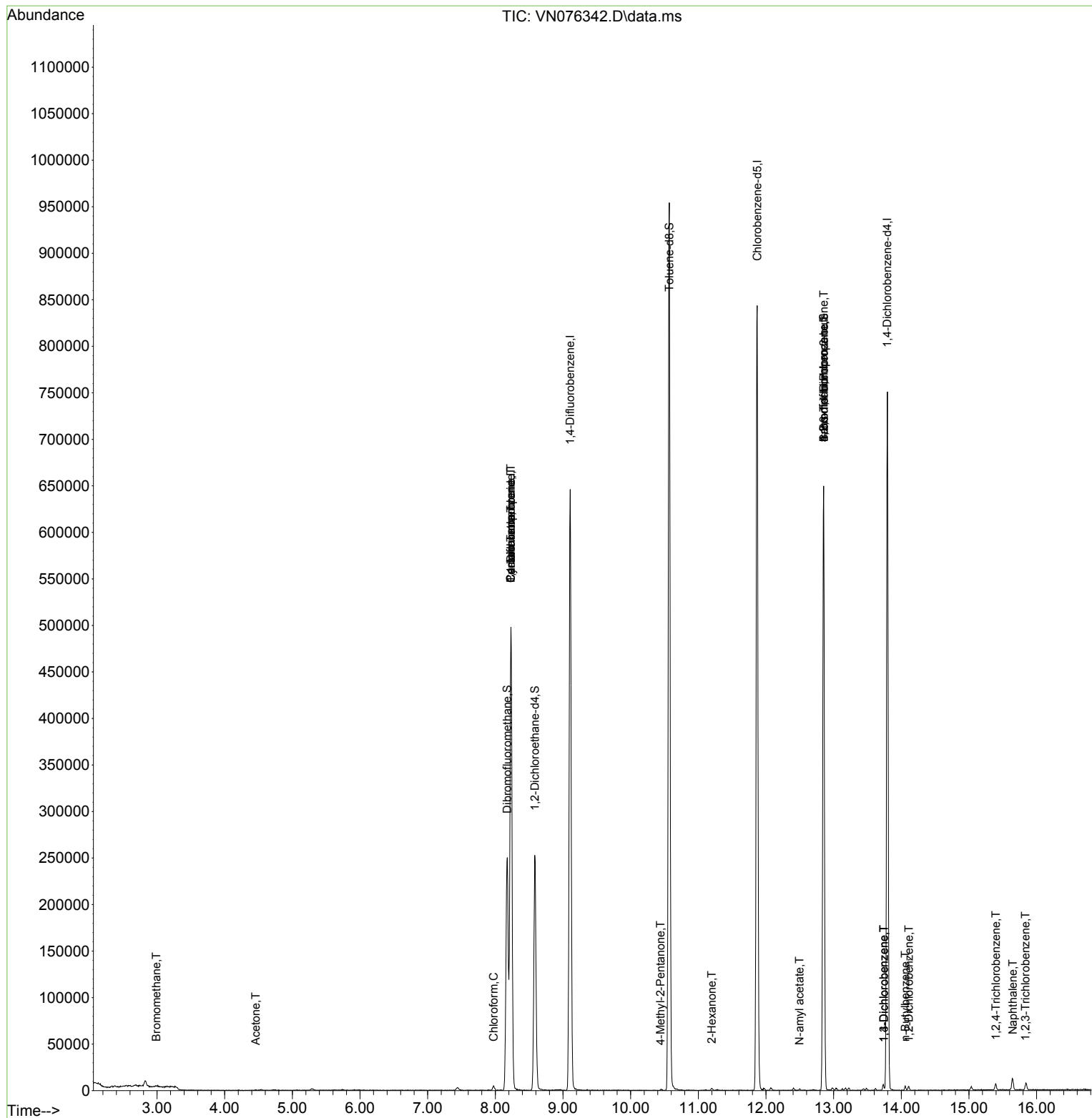
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	8.230	168	380795	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.106	114	600775	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.871	117	520817	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.794	152	209480	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.582	65	201241	47.199	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	=	94.400%
35) Dibromofluoromethane	8.177	113	181479	48.290	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	96.580%
50) Toluene-d8	10.571	98	682199	49.153	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	=	98.300%
62) 4-Bromofluorobenzene	12.853	95	215843	47.638	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	=	95.280%
Target Compounds						
					Qvalue	
5) Bromomethane	2.989	94	1298	0.320	ug/l #	55
16) Acetone	4.459	43	659	0.409	ug/l #	41
20) Methylene Chloride	5.289	84	1371	Below Cal	#	63
30) Chloroform	7.977	83	4363	0.590	ug/l	89
31) Cyclohexane	8.230	56	8009	1.223	ug/l #	21
36) 1,1-Dichloropropene	8.230	75	27273	5.107	ug/l #	50
38) Carbon Tetrachloride	8.230	117	38187	6.412	ug/l #	16
51) 4-Methyl-2-Pentanone	10.441	43	873	0.213	ug/l #	77
59) 2-Hexanone	11.200	43	1786	0.603	ug/l	80
71) Bromoform	12.853	173	1567	0.530	ug/l #	1
74) N-amyl acetate	12.494	43	1051	0.225	ug/l #	74
76) 1,2,3-Trichloropropane	12.853	75	112082	28.971	ug/l #	1
77) Bromobenzene	12.982	156	772	Below Cal		94
81) trans-1,4-Dichloro-2-b...	12.853	75	112082	89.023	ug/l #	11
87) 1,3-Dichlorobenzene	13.741	146	1797	0.235	ug/l	89
88) 1,4-Dichlorobenzene	13.741	146	1797	0.348	ug/l	89
89) n-Butylbenzene	14.059	91	2603	0.238	ug/l	87
91) 1,2-Dichlorobenzene	14.112	146	2215	0.291	ug/l	91
93) 1,2,4-Trichlorobenzene	15.400	180	2899	2.073	ug/l	91
95) Naphthalene	15.647	128	12530	2.948	ug/l	96
96) 1,2,3-Trichlorobenzene	15.835	180	3281	2.069	ug/l	94

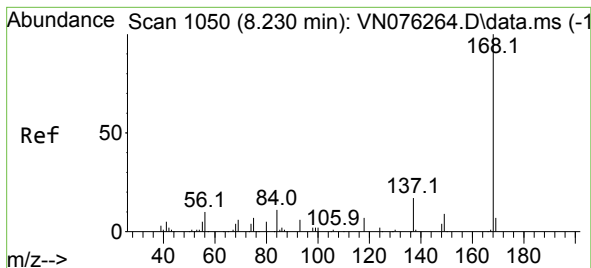
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Tue Jan 17 03:59:22 2023
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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 8.230 min Scan# 1

Delta R.T. -0.000 min

Lab File: VN076342.D

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Instrument :

MSVOA_N

ClientSampleId :

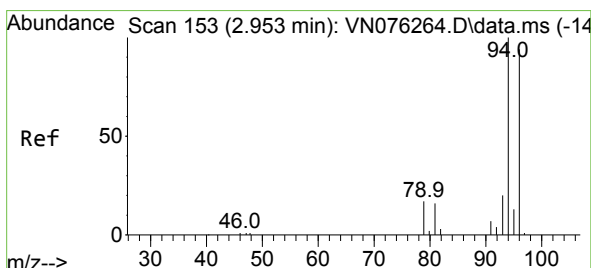
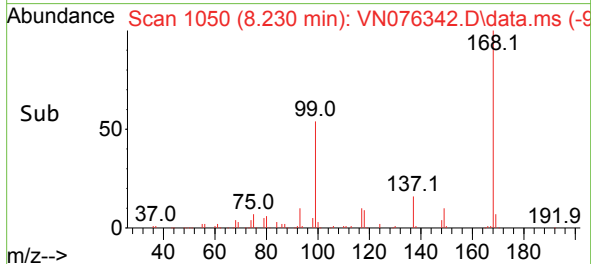
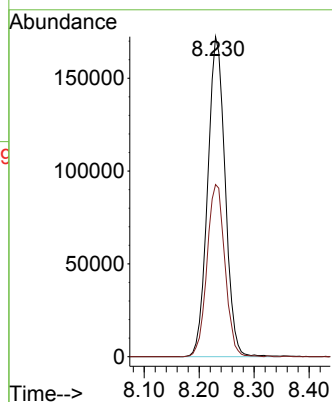
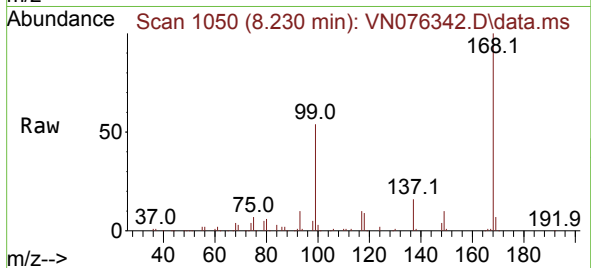
IBLK

Tgt Ion:168 Resp: 380795

Ion Ratio Lower Upper

168 100

99 53.8 41.6 62.4



#5

Bromomethane

Concen: 0.320 ug/l

RT: 2.989 min Scan# 159

Delta R.T. 0.036 min

Lab File: VN076342.D

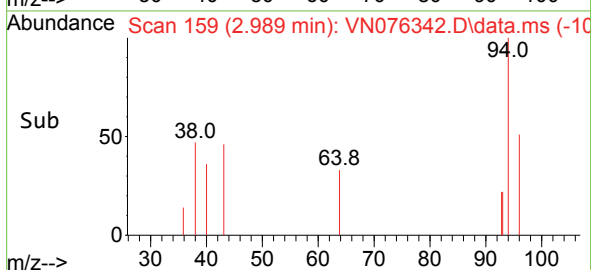
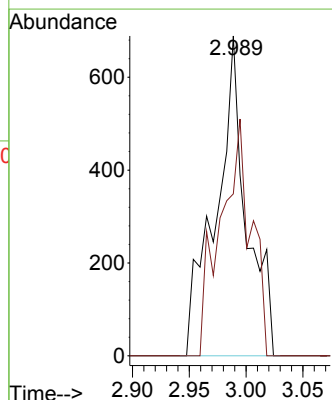
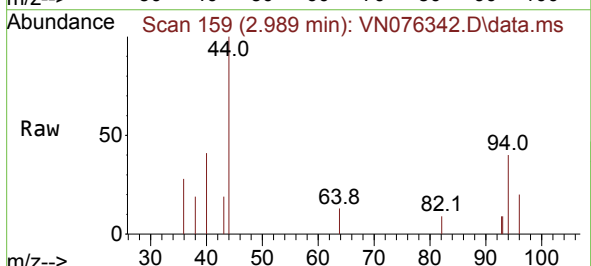
Acq: 20 Jan 2023 12:49

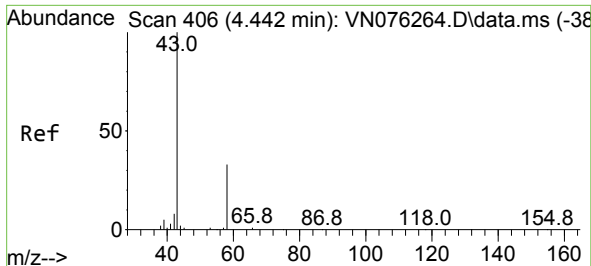
Tgt Ion: 94 Resp: 1298

Ion Ratio Lower Upper

94 100

96 50.7 75.1 112.7#

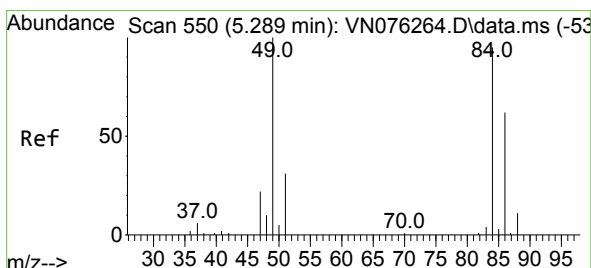
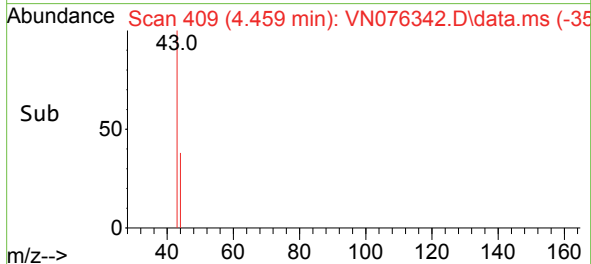
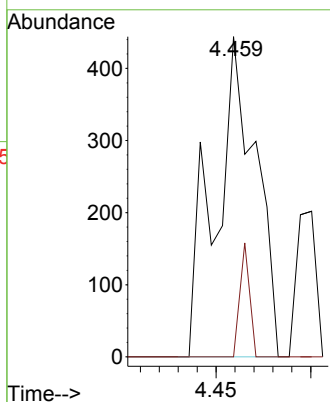
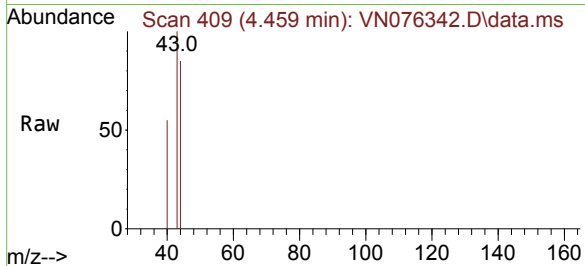




#16
Acetone
Concen: 0.409 ug/l
RT: 4.459 min Scan# 409
Delta R.T. 0.017 min
Lab File: VN076342.D
Acq: 20 Jan 2023 12:49

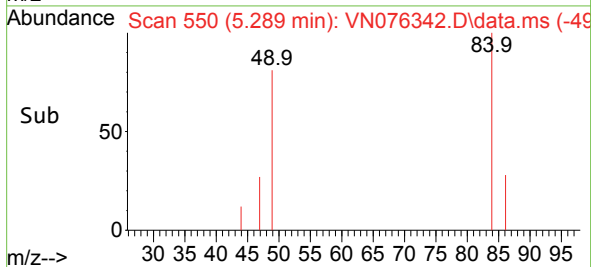
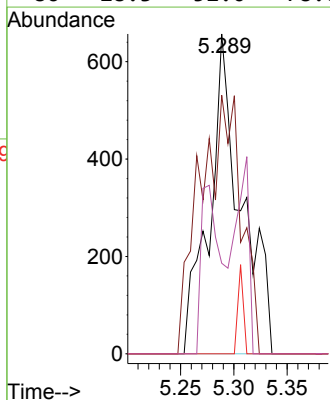
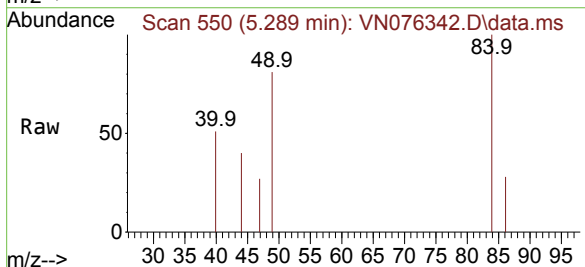
Instrument :
MSVOA_N
ClientSampleId :
IBLK

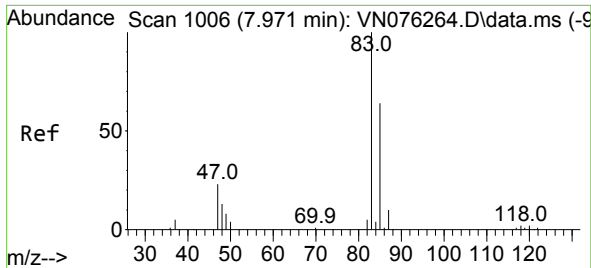
Tgt Ion: 43 Resp: 659
Ion Ratio Lower Upper
43 100
58 0.0 26.7 40.1#



#20
Methylene Chloride
Concen: Below Cal
RT: 5.289 min Scan# 550
Delta R.T. -0.000 min
Lab File: VN076342.D
Acq: 20 Jan 2023 12:49

Tgt Ion: 84 Resp: 1371
Ion Ratio Lower Upper
84 100
49 80.8 84.5 126.7#
51 0.0 26.0 39.0#
86 28.3 52.0 78.0#

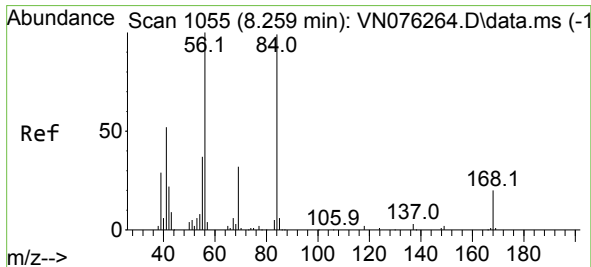
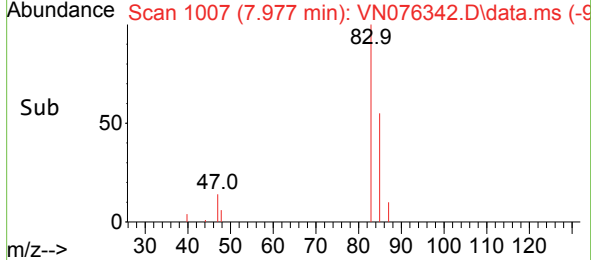
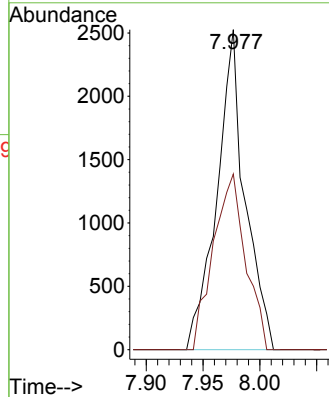
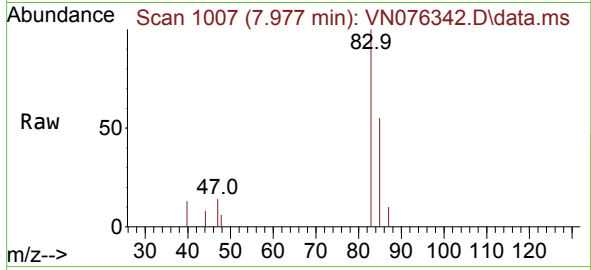




#30
Chloroform
Concen: 0.590 ug/l
RT: 7.977 min Scan# 10
Delta R.T. 0.006 min
Lab File: VN076342.D
Acq: 20 Jan 2023 12:49

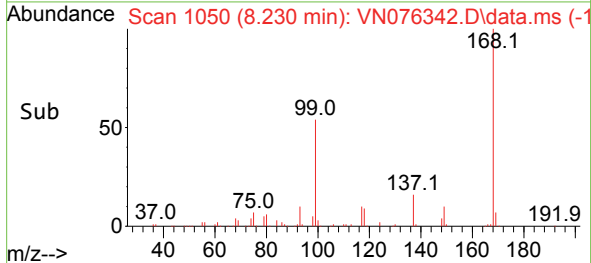
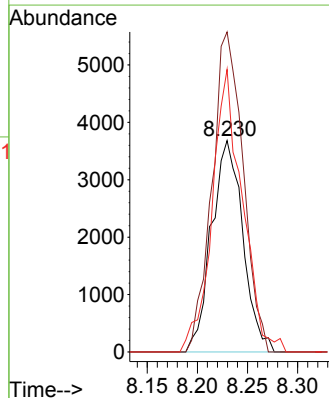
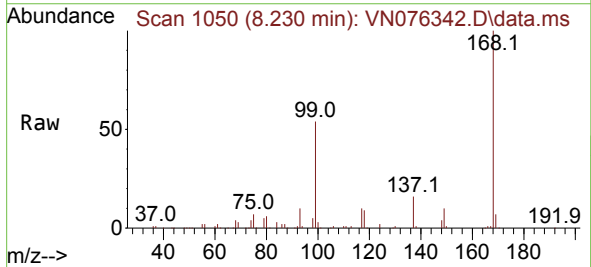
Instrument :
MSVOA_N
ClientSampleId :
IBLK

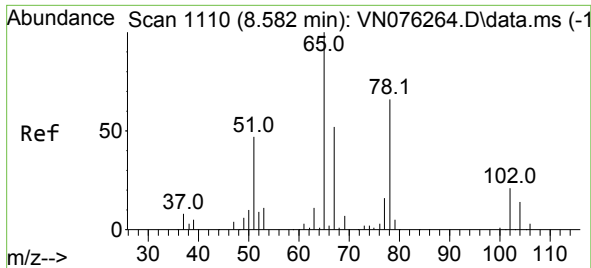
Tgt Ion: 83 Resp: 4363
Ion Ratio Lower Upper
83 100
85 54.9 51.0 76.6



#31
Cyclohexane
Concen: 1.223 ug/l
RT: 8.230 min Scan# 1050
Delta R.T. -0.029 min
Lab File: VN076342.D
Acq: 20 Jan 2023 12:49

Tgt Ion: 56 Resp: 8009
Ion Ratio Lower Upper
56 100
69 151.4 25.8 38.8#
84 133.7 79.0 118.4#





#33

1,2-Dichloroethane-d4

Concen: 47.199 ug/l

RT: 8.582 min Scan# 1110

Delta R.T. 0.000 min

Lab File: VN076342.D

Acq: 20 Jan 2023 12:49

Instrument :

MSVOA_N

ClientSampleId :

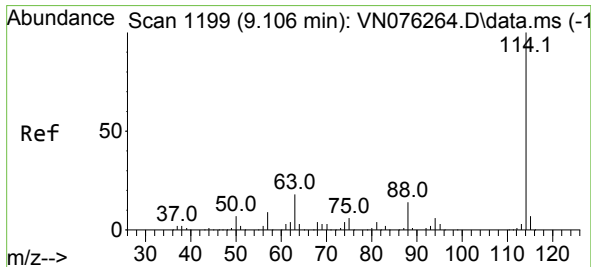
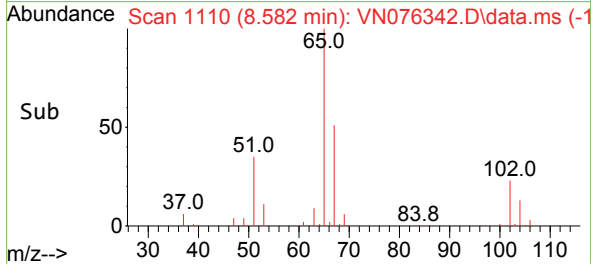
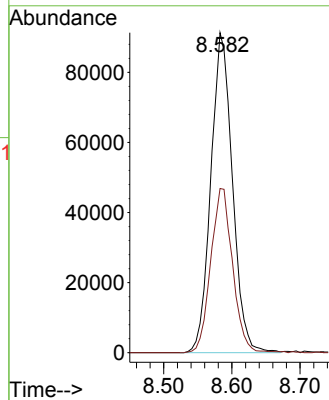
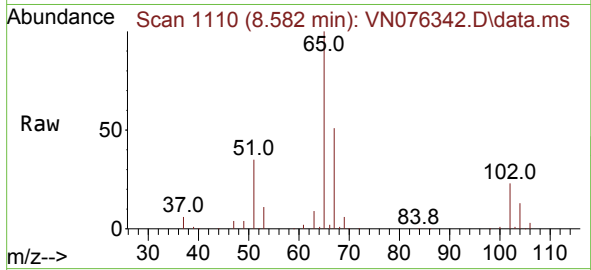
IBLK

Tgt Ion: 65 Resp: 201241

Ion Ratio Lower Upper

65 100

67 52.0 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: VN076342.D

Acq: 20 Jan 2023 12:49

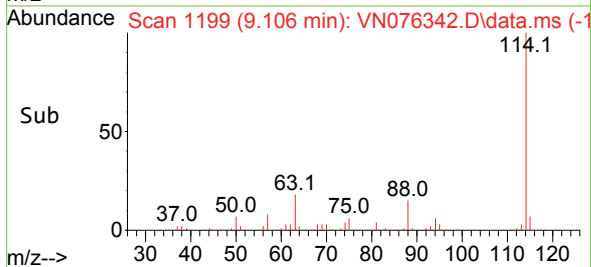
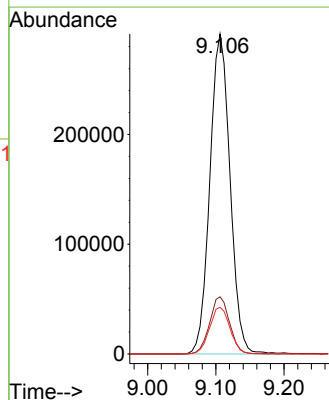
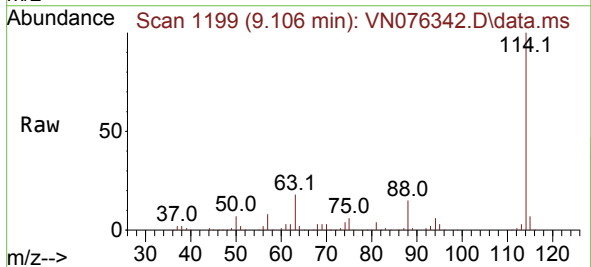
Tgt Ion: 114 Resp: 600775

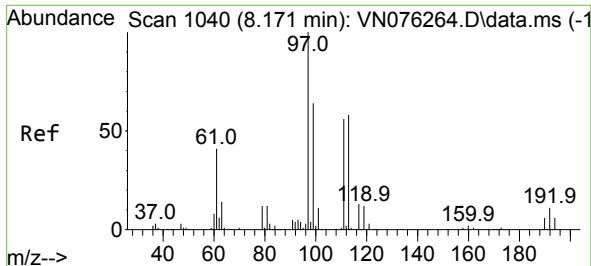
Ion Ratio Lower Upper

114 100

63 17.8 0.0 35.8

88 14.6 0.0 28.0





#35

Dibromofluoromethane

Concen: 48.290 ug/l

RT: 8.177 min Scan# 1040

Delta R.T. 0.006 min

Lab File: VN076342.D

Acq: 20 Jan 2023 12:49

Instrument :

MSVOA_N

ClientSampleId :

IBLK

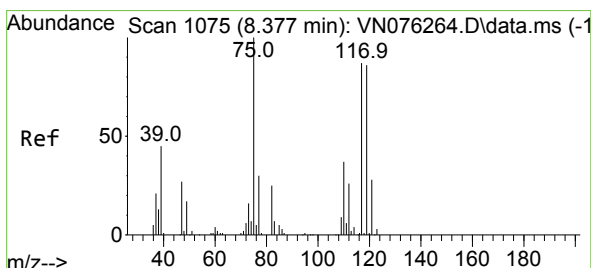
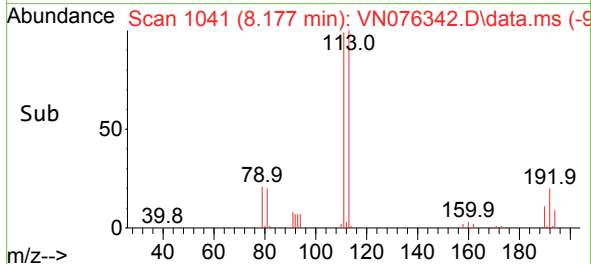
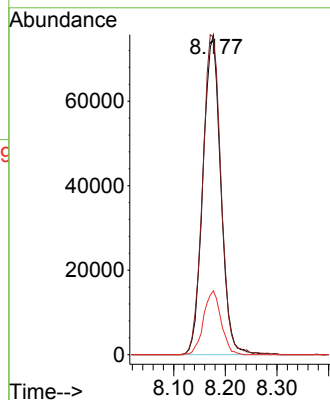
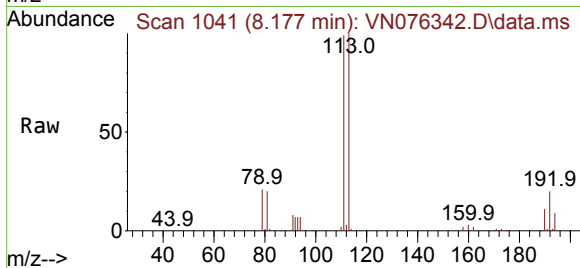
Tgt Ion:113 Resp: 181479

Ion Ratio Lower Upper

113 100

111 103.0 82.7 124.1

192 19.7 15.6 23.4



#36

1,1-Dichloropropene

Concen: 5.107 ug/l

RT: 8.230 min Scan# 1050

Delta R.T. -0.147 min

Lab File: VN076342.D

Acq: 20 Jan 2023 12:49

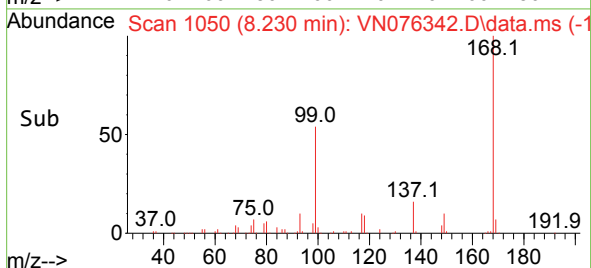
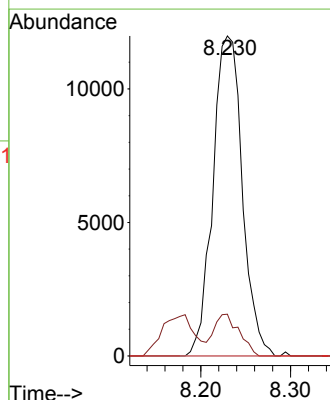
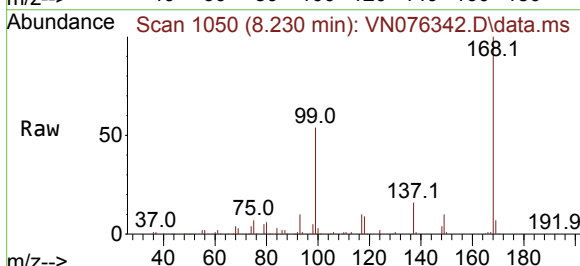
Tgt Ion: 75 Resp: 27273

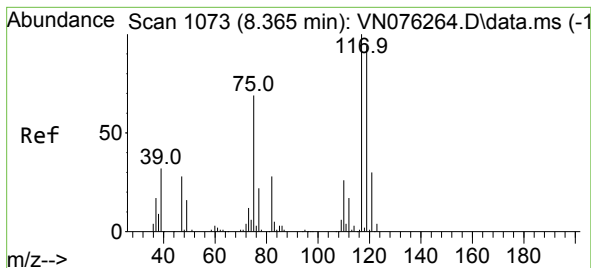
Ion Ratio Lower Upper

75 100

110 11.1 18.8 56.3#

77 0.0 25.0 37.4#





#38

Carbon Tetrachloride

Concen: 6.412 ug/l

RT: 8.230 min Scan# 1073

Delta R.T. -0.135 min

Lab File: VN076342.D

Acq: 20 Jan 2023 12:49

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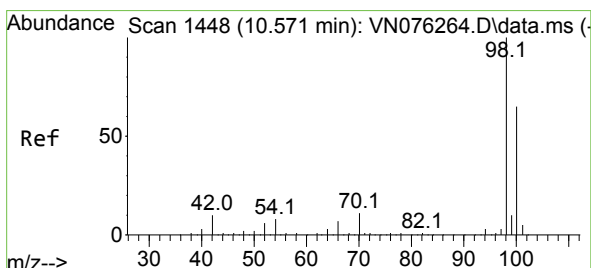
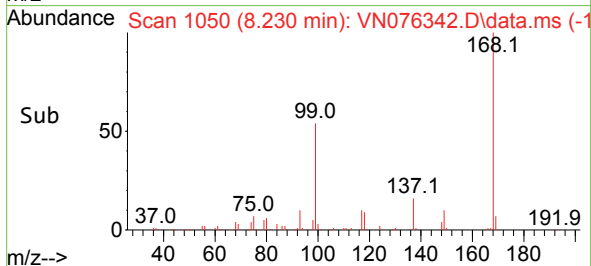
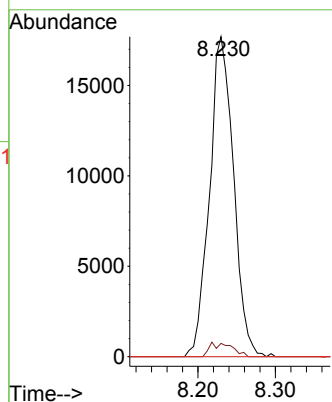
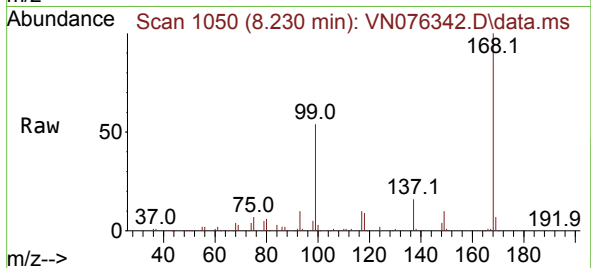
Tgt Ion:117 Resp: 38187

Ion Ratio Lower Upper

117 100

119 4.2 75.4 113.0#

121 0.0 24.2 36.2#



#50

Toluene-d8

Concen: 49.153 ug/l

RT: 10.571 min Scan# 1448

Delta R.T. -0.000 min

Lab File: VN076342.D

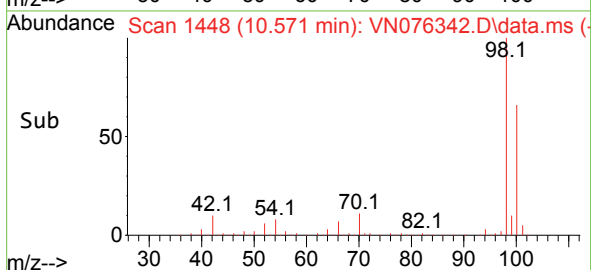
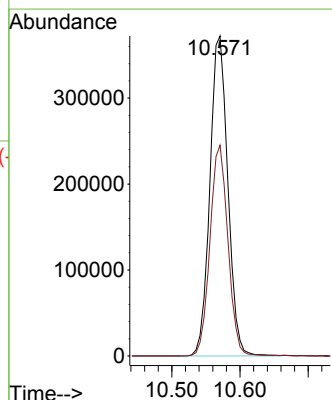
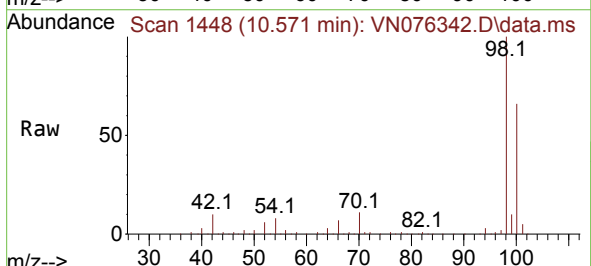
Acq: 20 Jan 2023 12:49

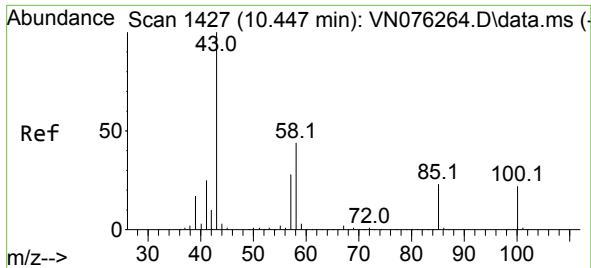
Tgt Ion: 98 Resp: 682199

Ion Ratio Lower Upper

98 100

100 66.0 52.2 78.4

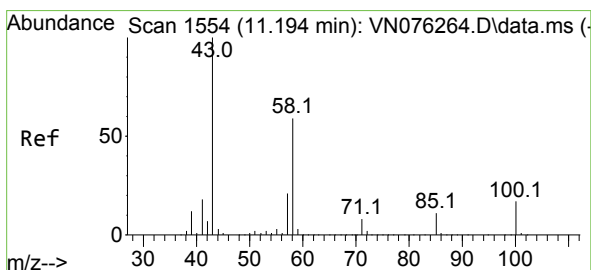
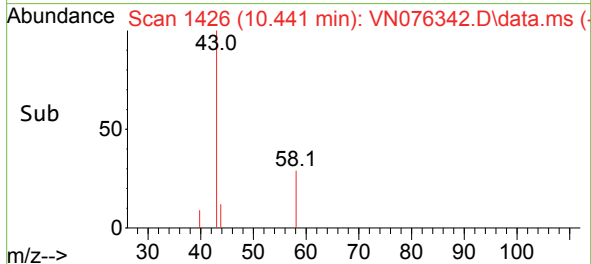
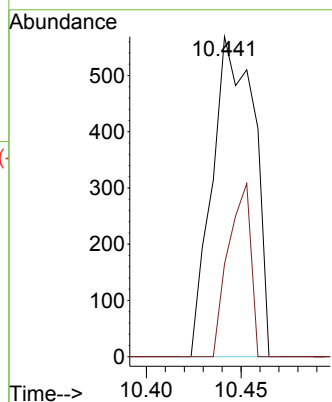
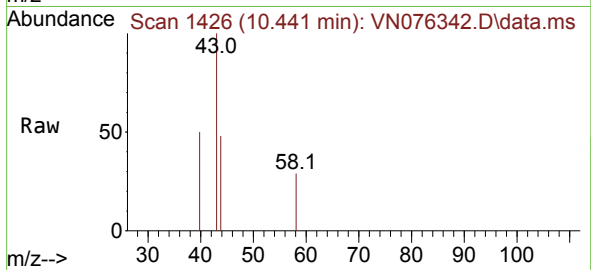




#51
4-Methyl-2-Pentanone
Concen: 0.213 ug/l
RT: 10.441 min Scan# 1426
Delta R.T. -0.006 min
Lab File: VN076342.D
Acq: 20 Jan 2023 12:49

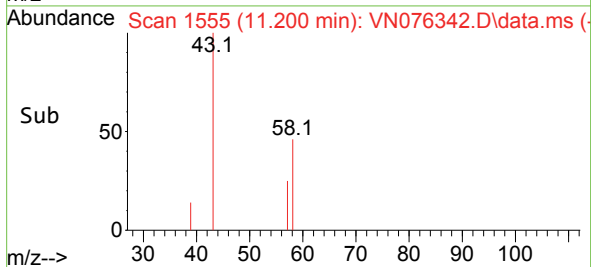
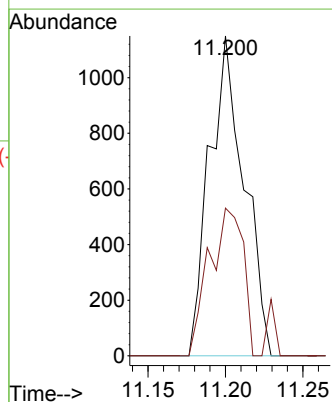
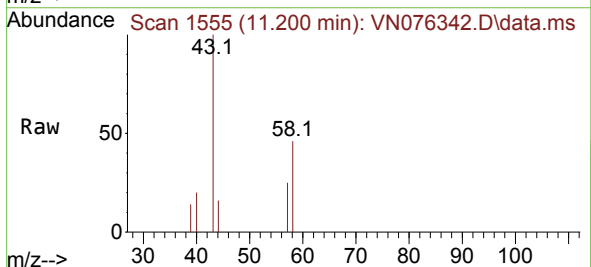
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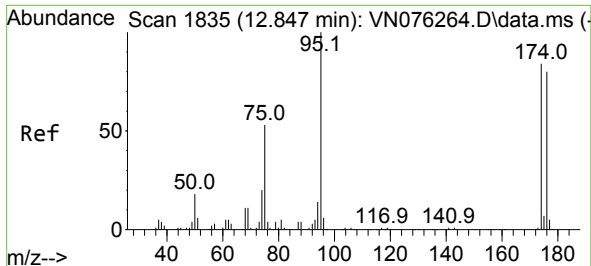
Tgt Ion: 43 Resp: 873
Ion Ratio Lower Upper
43 100
58 29.2 35.1 52.7#



#59
2-Hexanone
Concen: 0.603 ug/l
RT: 11.200 min Scan# 1555
Delta R.T. 0.006 min
Lab File: VN076342.D
Acq: 20 Jan 2023 12:49

Tgt Ion: 43 Resp: 1786
Ion Ratio Lower Upper
43 100
58 45.2 30.1 90.3

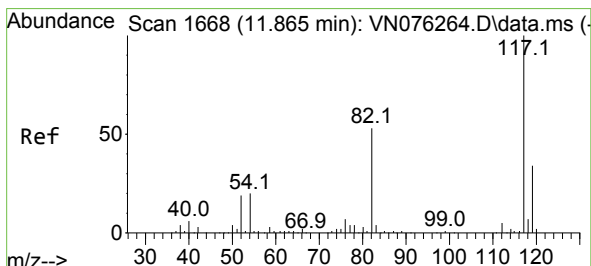
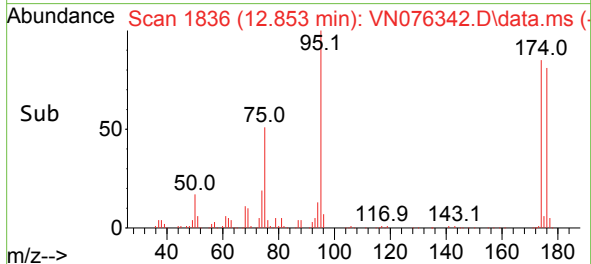
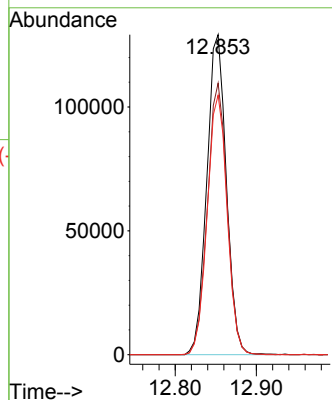
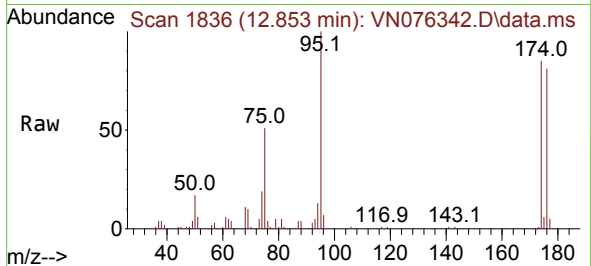




#62
4-Bromofluorobenzene
Concen: 47.638 ug/l
RT: 12.853 min Scan# 1836
Delta R.T. 0.006 min
Lab File: VN076342.D
Acq: 20 Jan 2023 12:49

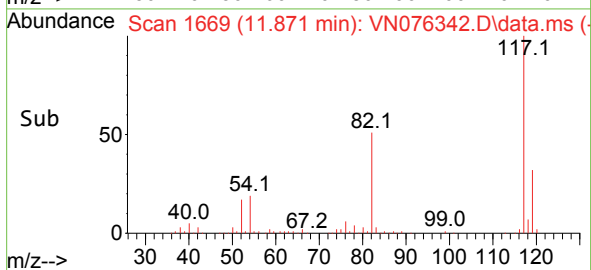
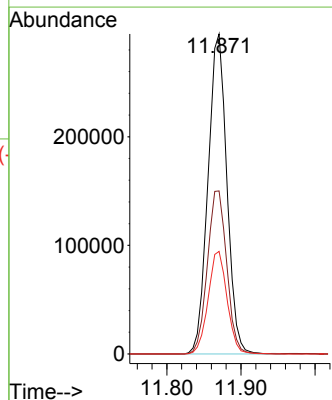
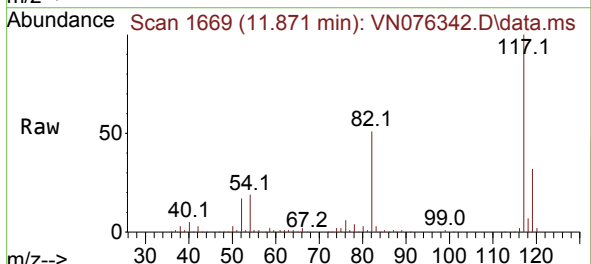
Instrument :
MSVOA_N
ClientSampleId :
IBLK

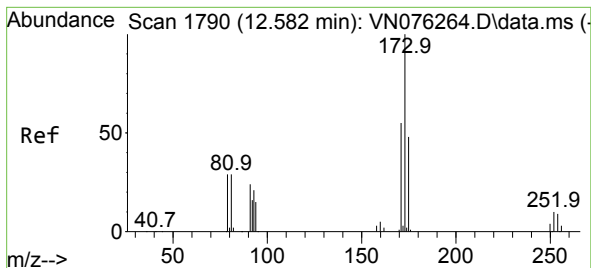
Tgt Ion: 95 Resp: 215843
Ion Ratio Lower Upper
95 100
174 86.0 0.0 174.6
176 82.4 0.0 167.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.871 min Scan# 1669
Delta R.T. 0.006 min
Lab File: VN076342.D
Acq: 20 Jan 2023 12:49

Tgt Ion: 117 Resp: 520817
Ion Ratio Lower Upper
117 100
82 51.0 42.2 63.2
119 32.1 26.9 40.3





#71

Bromoform

Concen: 0.530 ug/l

RT: 12.853 min Scan# 1836

Delta R.T. 0.271 min

Lab File: VN076342.D

Acq: 20 Jan 2023 12:49

Instrument :

MSVOA_N

ClientSampleId :

IBLK

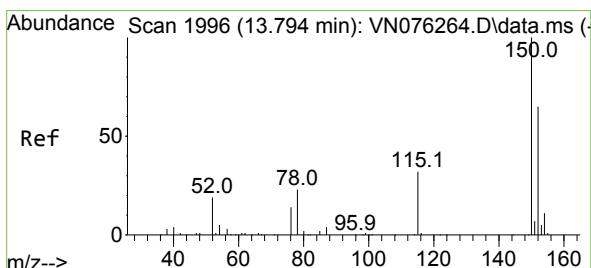
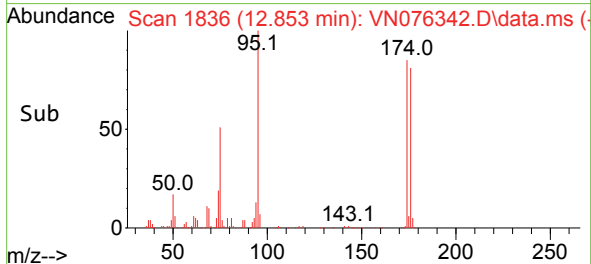
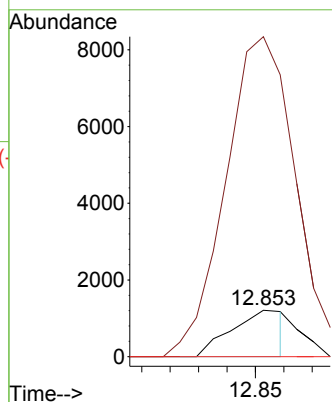
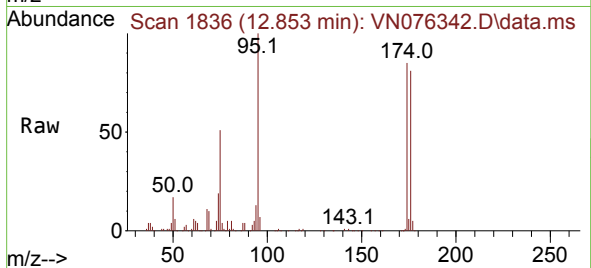
Tgt Ion:173 Resp: 1567

Ion Ratio Lower Upper

173 100

175 743.3 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: VN076342.D

Acq: 20 Jan 2023 12:49

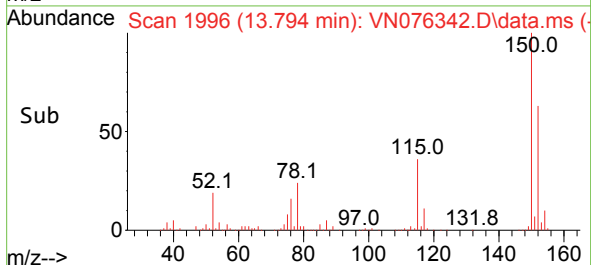
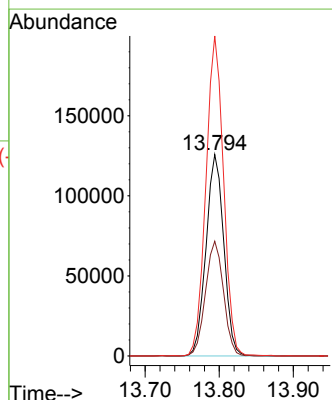
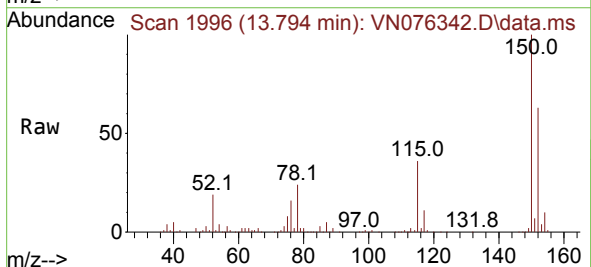
Tgt Ion:152 Resp: 209480

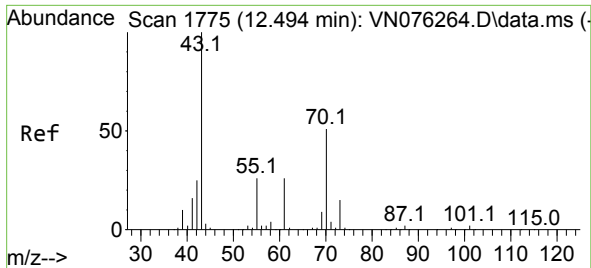
Ion Ratio Lower Upper

152 100

115 57.8 29.6 88.9

150 157.6 0.0 351.4

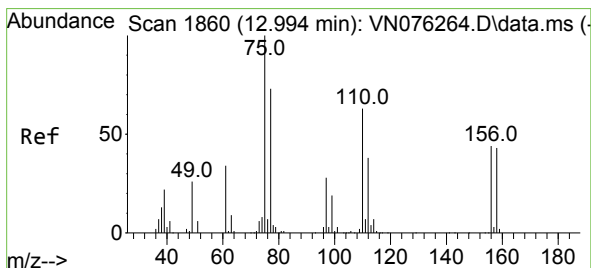
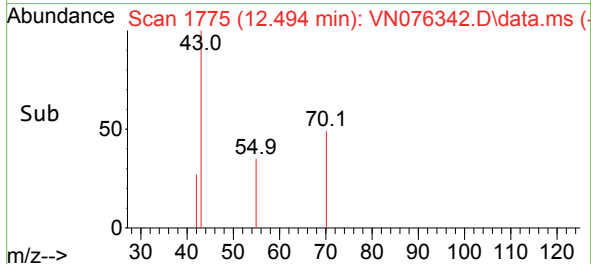
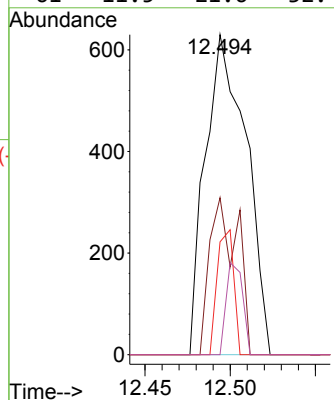
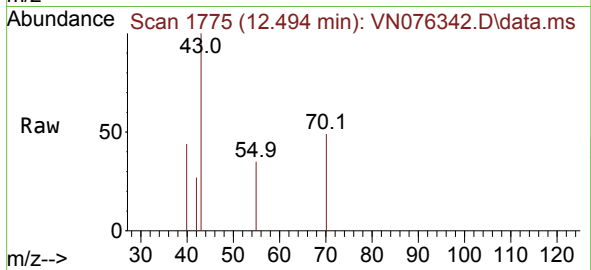




#74
N-amy1 acetate
Concen: 0.225 ug/l
RT: 12.494 min Scan# 1775
Delta R.T. 0.000 min
Lab File: VN076342.D
Acq: 20 Jan 2023 12:49

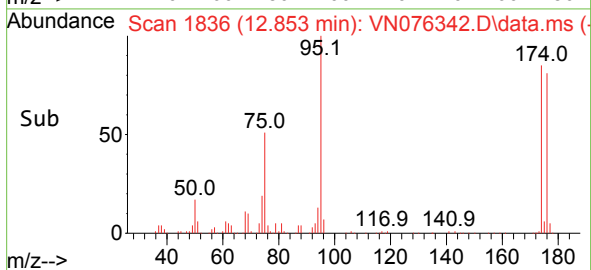
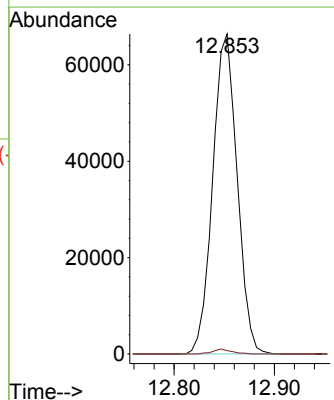
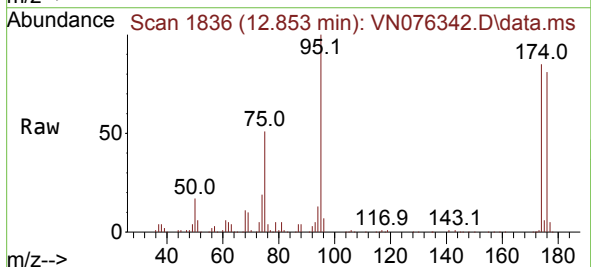
Instrument :
MSVOA_N
ClientSampleId :
IBLK

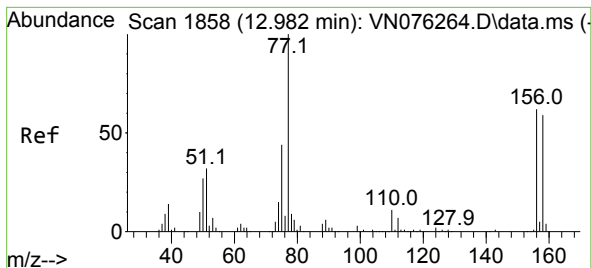
Tgt Ion:	43	Resp:	1051
Ion	Ratio	Lower	Upper
43	100		
70	33.4	41.2	61.8#
55	15.7	21.0	31.6#
61	11.5	21.6	32.4#



#76
1,2,3-Trichloropropane
Concen: 28.971 ug/l
RT: 12.853 min Scan# 1836
Delta R.T. -0.141 min
Lab File: VN076342.D
Acq: 20 Jan 2023 12:49

Tgt Ion:	75	Resp:	112082
Ion	Ratio	Lower	Upper
75	100		
77	1.2	75.2	225.6#





#77

Bromobenzene

Concen: Below Cal

RT: 12.982 min Scan# 1858

Delta R.T. 0.000 min

Lab File: VN076342.D

Acq: 20 Jan 2023 12:49

Instrument :

MSVOA_N

ClientSampleId :

IBLK

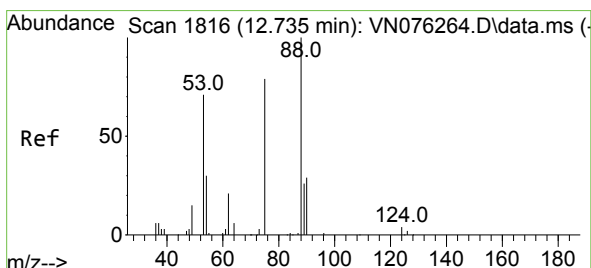
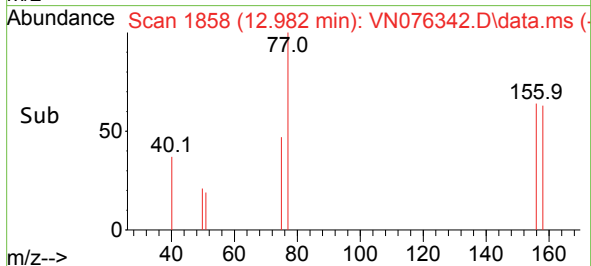
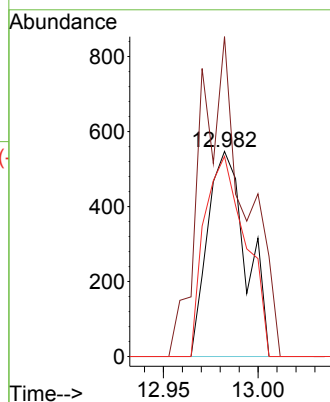
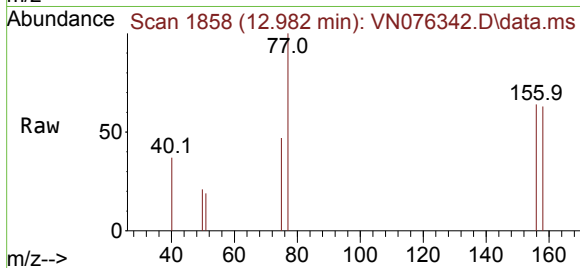
Tgt Ion:156 Resp: 772

Ion Ratio Lower Upper

156 100

77 180.1 93.4 280.2

158 105.2 48.4 145.2



#81

trans-1,4-Dichloro-2-butene

Concen: 89.023 ug/l

RT: 12.853 min Scan# 1836

Delta R.T. 0.118 min

Lab File: VN076342.D

Acq: 20 Jan 2023 12:49

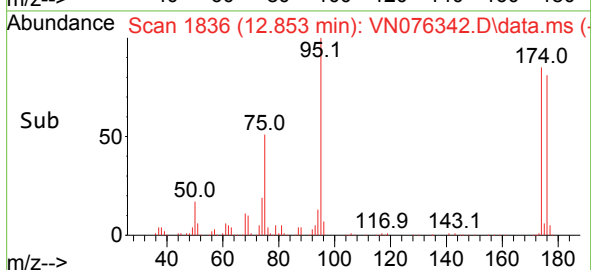
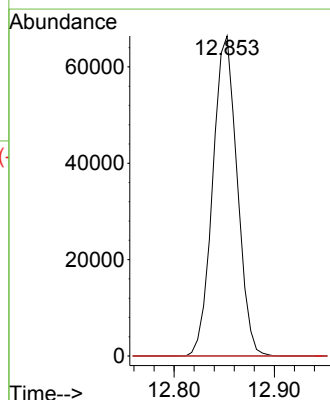
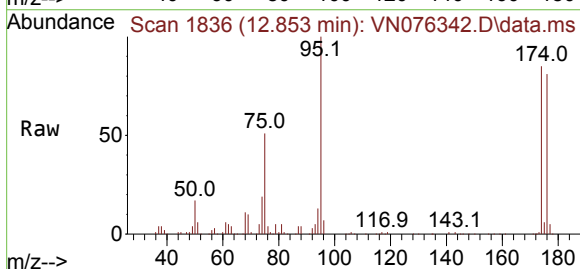
Tgt Ion: 75 Resp: 112082

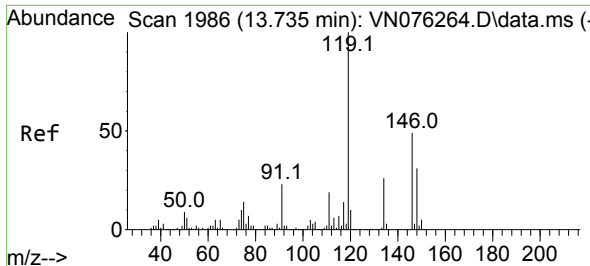
Ion Ratio Lower Upper

75 100

53 0.0 75.8 113.8#

89 0.0 37.0 55.6#

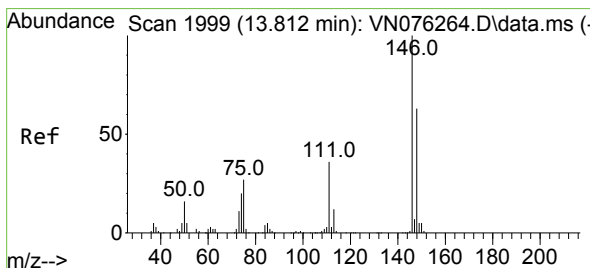
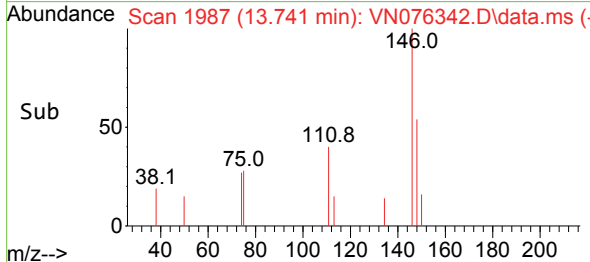
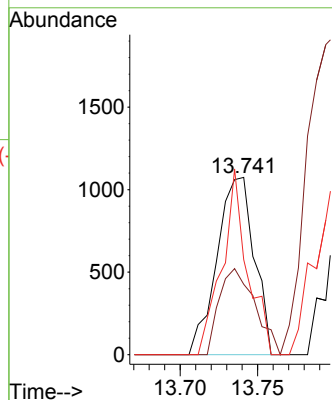
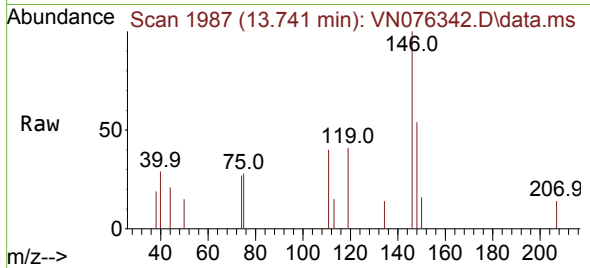




#87
 1,3-Dichlorobenzene
 Concen: 0.235 ug/l
 RT: 13.741 min Scan# 1987
 Delta R.T. 0.006 min
 Lab File: VN076342.D
 Acq: 20 Jan 2023 12:49

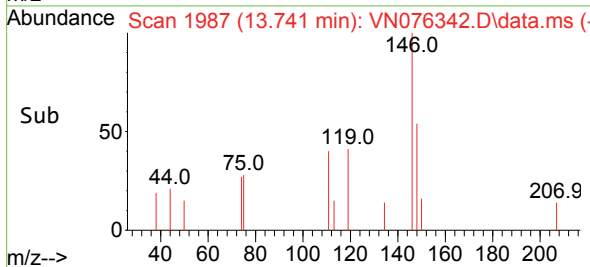
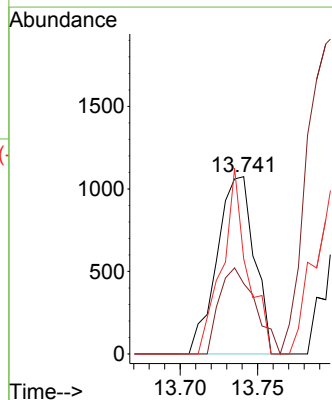
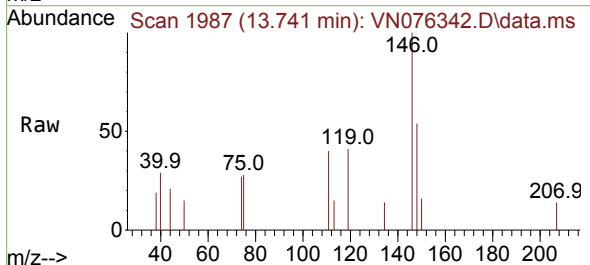
Instrument :
 MSVOA_N
 ClientSampleId :
 IBLK

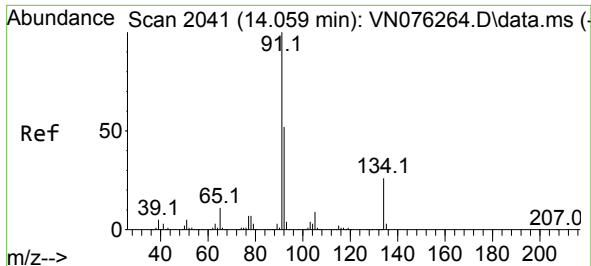
Tgt Ion:146 Resp: 1797
 Ion Ratio Lower Upper
 146 100
 111 46.6 19.9 59.7
 148 71.1 31.6 94.8



#88
 1,4-Dichlorobenzene
 Concen: 0.348 ug/l
 RT: 13.741 min Scan# 1987
 Delta R.T. -0.071 min
 Lab File: VN076342.D
 Acq: 20 Jan 2023 12:49

Tgt Ion:146 Resp: 1797
 Ion Ratio Lower Upper
 146 100
 111 46.6 19.1 57.5
 148 71.1 31.9 95.9

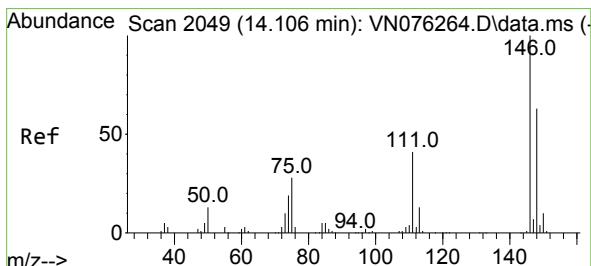
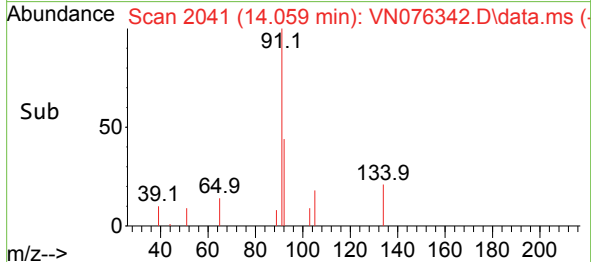
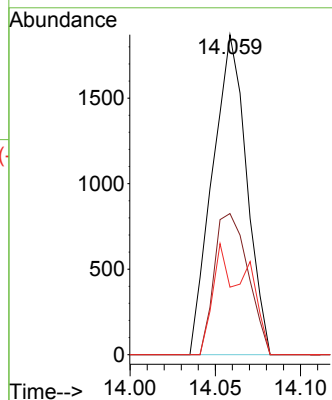
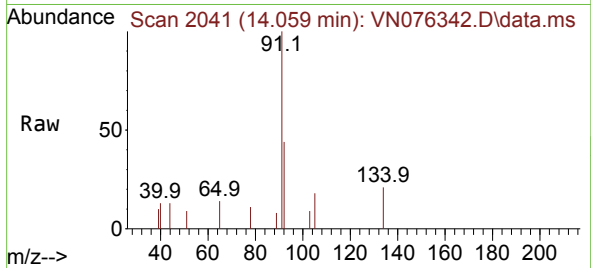




#89
n-Butylbenzene
Concen: 0.238 ug/l
RT: 14.059 min Scan# 2041
Delta R.T. -0.000 min
Lab File: VN076342.D
Acq: 20 Jan 2023 12:49

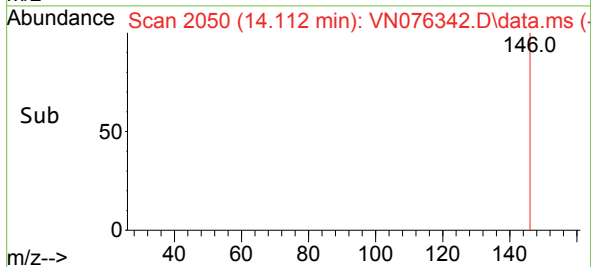
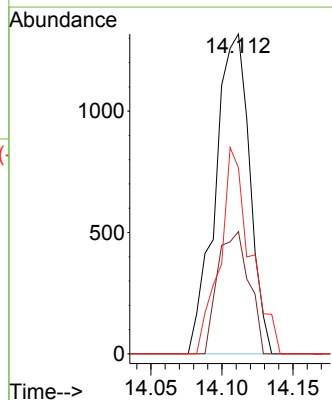
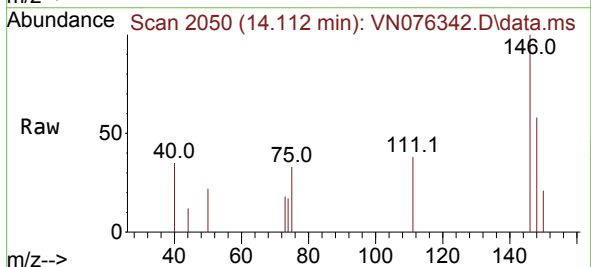
Instrument :
MSVOA_N
ClientSampleId :
IBLK

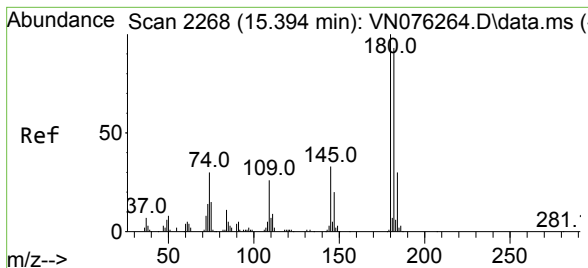
Tgt Ion: 91	Resp:	2603	
Ion	Ratio	Lower	Upper
91	100		
92	43.6	26.3	78.9
134	33.8	13.2	39.5



#91
1,2-Dichlorobenzene
Concen: 0.291 ug/l
RT: 14.112 min Scan# 2050
Delta R.T. 0.006 min
Lab File: VN076342.D
Acq: 20 Jan 2023 12:49

Tgt Ion:146	Resp:	2215	
Ion	Ratio	Lower	Upper
146	100		
111	35.0	20.3	60.8
148	57.0	31.8	95.4





#93

1,2,4-Trichlorobenzene

Concen: 2.073 ug/l

RT: 15.400 min Scan# 21

Delta R.T. 0.006 min

Lab File: VN076342.D

Acq: 20 Jan 2023 12:49

Instrument :

MSVOA_N

ClientSampleId :

IBLK

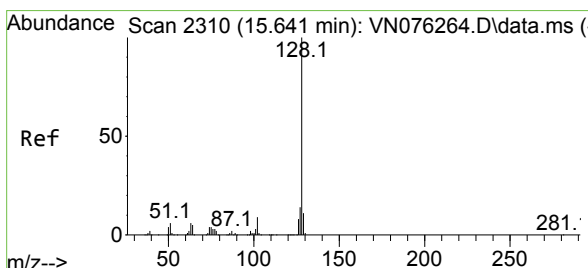
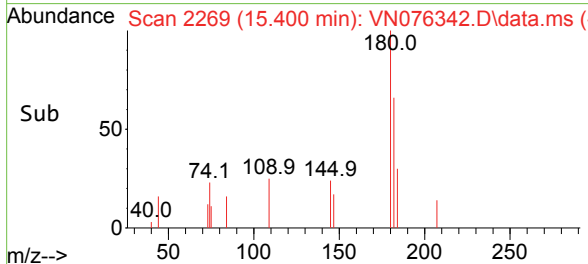
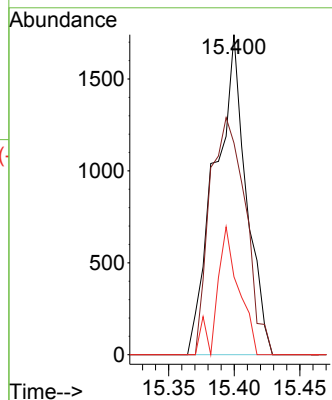
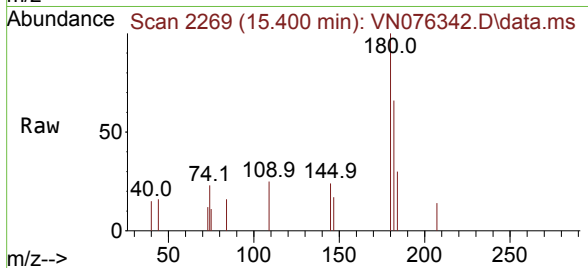
Tgt Ion:180 Resp: 2899

Ion Ratio Lower Upper

180 100

182 84.3 47.0 141.2

145 27.8 15.2 45.5



#95

Naphthalene

Concen: 2.948 ug/l

RT: 15.647 min Scan# 2311

Delta R.T. 0.006 min

Lab File: VN076342.D

Acq: 20 Jan 2023 12:49

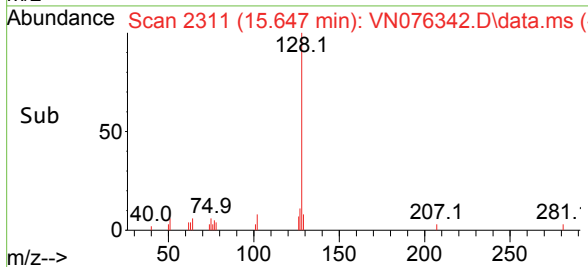
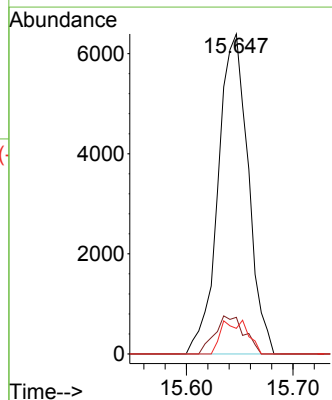
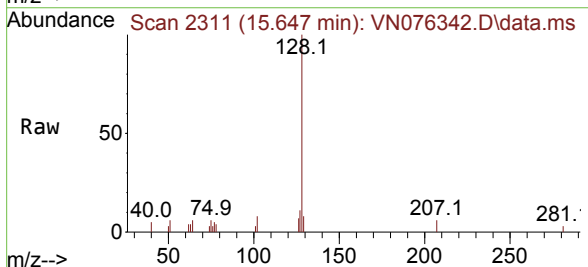
Tgt Ion:128 Resp: 12530

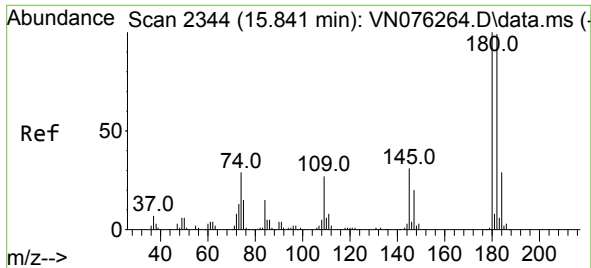
Ion Ratio Lower Upper

128 100

127 11.6 10.3 15.5

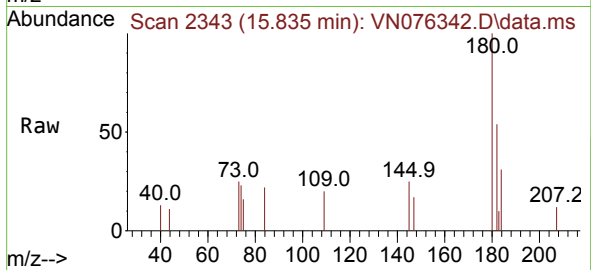
129 9.2 8.6 13.0





#96
 1,2,3-Trichlorobenzene
 Concen: 2.069 ug/l
 RT: 15.835 min Scan# 21
 Delta R.T. -0.006 min
 Lab File: VN076342.D
 Acq: 20 Jan 2023 12:49

Instrument :
 MSVOA_N
 ClientSampleId :
 IBLK



Tgt Ion:180	Resp:	3281
Ion	Ratio	Lower Upper
180	100	
182	89.6	47.5 142.5
145	28.6	15.9 47.6

