

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN011923\
 Data File : VN076322.D
 Acq On : 19 Jan 2023 14:55
 Operator : JC\MD
 Sample : IBLK
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 IBLK

Quant Time: Jan 20 00:57:01 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)

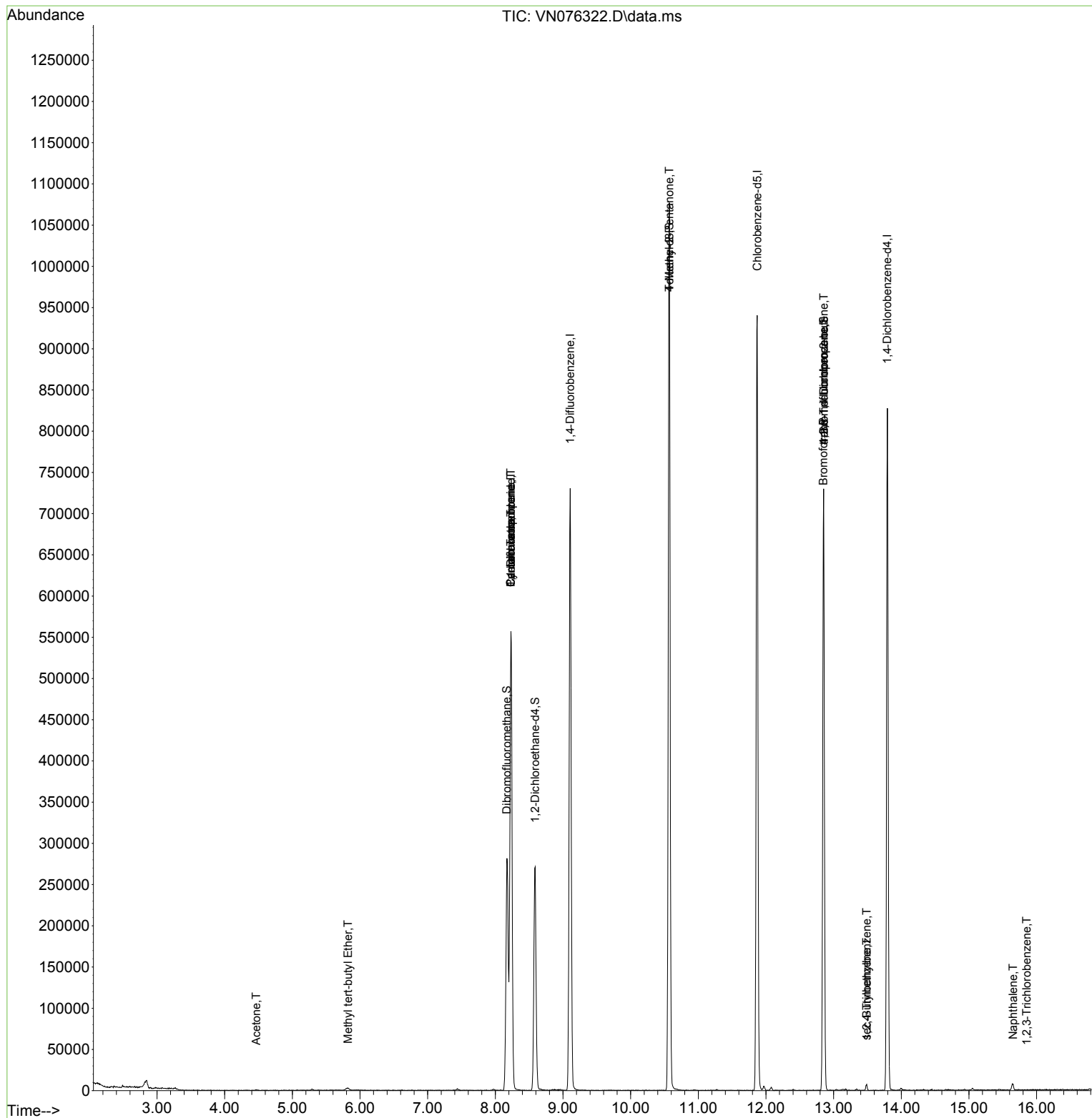
Internal Standards						
1) Pentafluorobenzene	8.230	168	435817	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.106	114	676281	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.871	117	584886	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.794	152	232272	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.588	65	221999	45.494	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	=	90.980%
35) Dibromofluoromethane	8.171	113	200601	47.419	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	94.840%
50) Toluene-d8	10.571	98	770008	49.285	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	=	98.580%
62) 4-Bromofluorobenzene	12.853	95	239915	47.039	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	=	94.080%
Target Compounds					Qvalue	
16) Acetone	4.465	43	795	0.435	ug/l #	56
19) Methyl tert-butyl Ether	5.824	73	5146	0.379	ug/l #	83
20) Methylene Chloride	5.289	84	898	Below Cal	#	67
31) Cyclohexane	8.230	56	7964	1.062	ug/l #	1
36) 1,1-Dichloropropene	8.230	75	30717	5.110	ug/l #	48
38) Carbon Tetrachloride	8.230	117	42325	6.314	ug/l #	18
51) 4-Methyl-2-Pentanone	10.571	43	2808	0.610	ug/l #	1
71) Bromoform	12.847	173	1538	0.463	ug/l #	1
76) 1,2,3-Trichloropropane	12.853	75	126070	29.403	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.853	75	126070	90.307	ug/l #	11
84) 1,2,4-Trimethylbenzene	13.488	105	4668	0.309	ug/l	97
85) sec-Butylbenzene	13.488	105	4668	0.251	ug/l #	56
95) Naphthalene	15.653	128	8345	2.505	ug/l #	95
96) 1,2,3-Trichlorobenzene	15.853	180	59	1.169	ug/l #	12

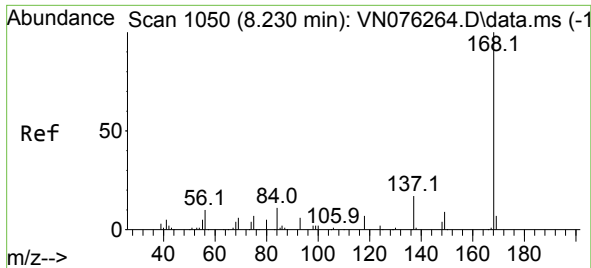
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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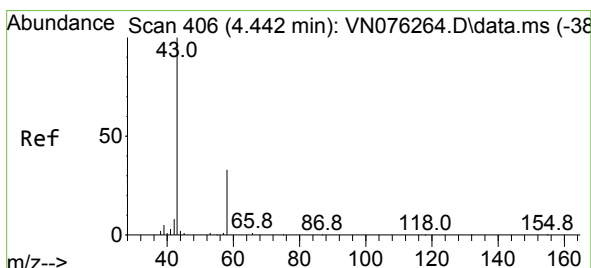
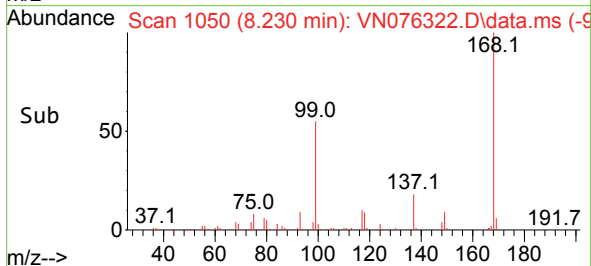
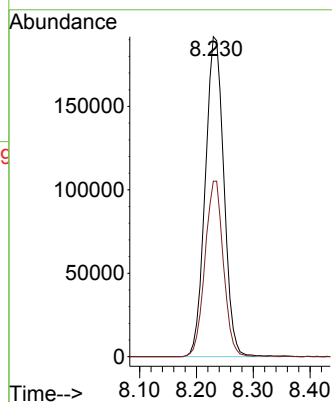
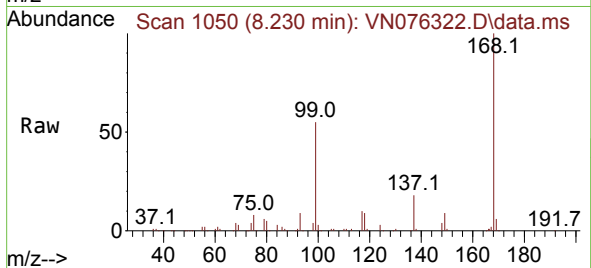




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.230 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN076322.D
Acq: 19 Jan 2023 14:55

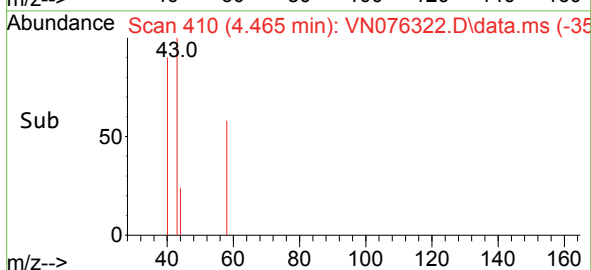
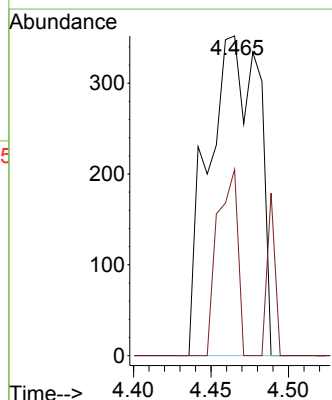
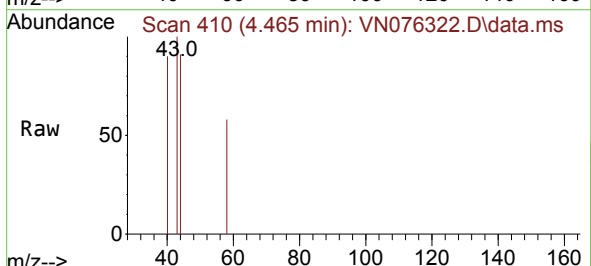
Instrument :
MSVOA_N
ClientSampleId :
IBLK

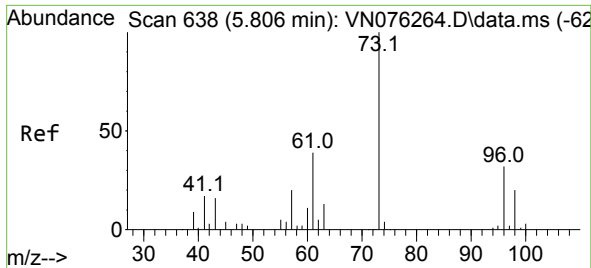
Tgt Ion:168 Resp: 435817
Ion Ratio Lower Upper
168 100
99 54.9 41.6 62.4



#16
Acetone
Concen: 0.435 ug/l
RT: 4.465 min Scan# 410
Delta R.T. 0.023 min
Lab File: VN076322.D
Acq: 19 Jan 2023 14:55

Tgt Ion: 43 Resp: 795
Ion Ratio Lower Upper
43 100
58 58.2 26.7 40.1#

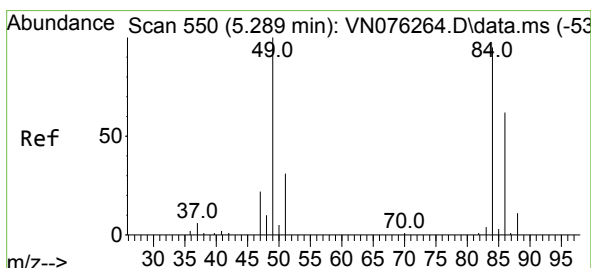
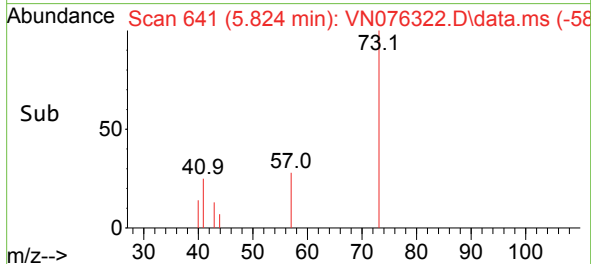
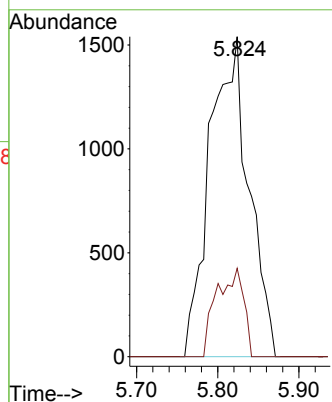
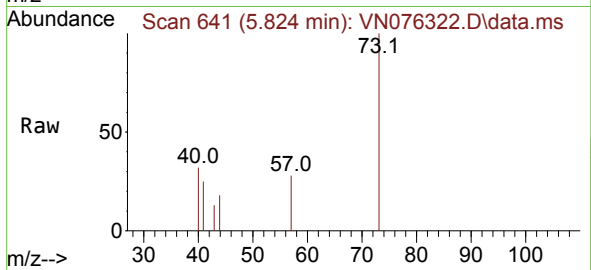




#19
Methyl tert-butyl Ether
Concen: 0.379 ug/l
RT: 5.824 min Scan# 641
Delta R.T. 0.018 min
Lab File: VN076322.D
Acq: 19 Jan 2023 14:55

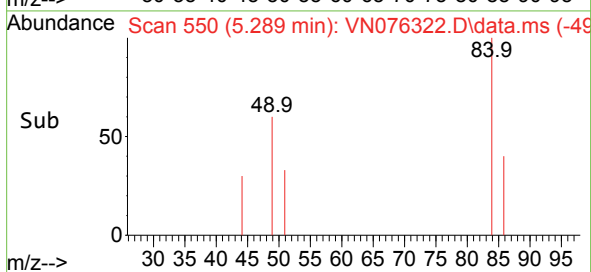
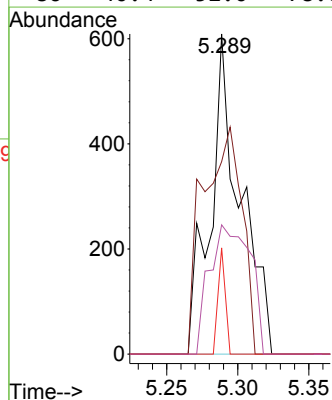
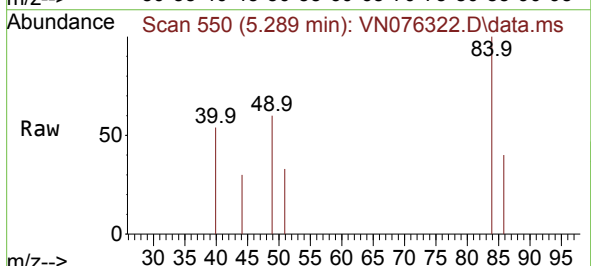
Instrument :
MSVOA_N
ClientSampleId :
IBLK

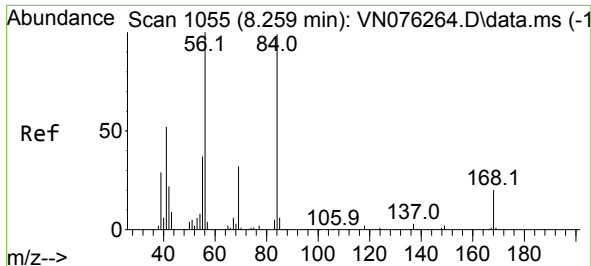
Tgt Ion: 73 Resp: 5146
Ion Ratio Lower Upper
73 100
57 27.6 15.9 23.9#



#20
Methylene Chloride
Concen: Below Cal
RT: 5.289 min Scan# 550
Delta R.T. -0.000 min
Lab File: VN076322.D
Acq: 19 Jan 2023 14:55

Tgt Ion: 84 Resp: 898
Ion Ratio Lower Upper
84 100
49 60.1 84.5 126.7#
51 33.2 26.0 39.0
86 40.4 52.0 78.0#

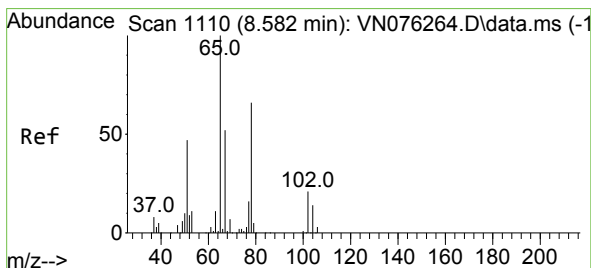
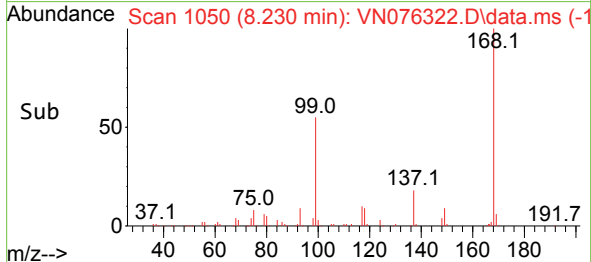
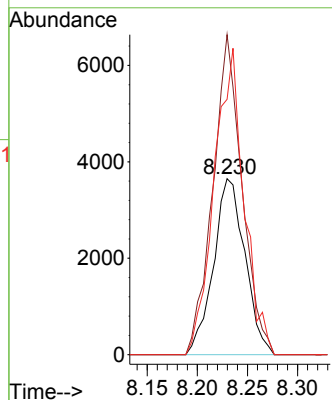
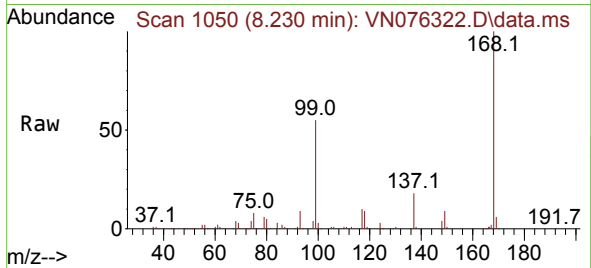




#31
Cyclohexane
Concen: 1.062 ug/l
RT: 8.230 min Scan# 1055
Delta R.T. -0.029 min
Lab File: VN076322.D
Acq: 19 Jan 2023 14:55

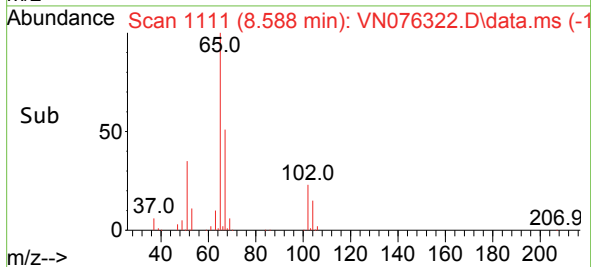
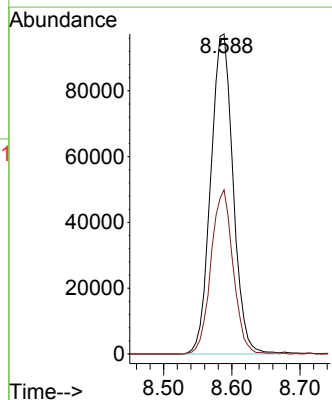
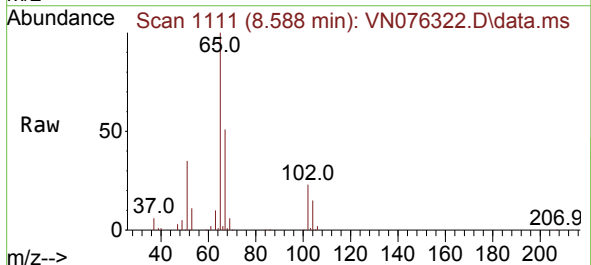
Instrument :
MSVOA_N
ClientSampleId :
IBLK

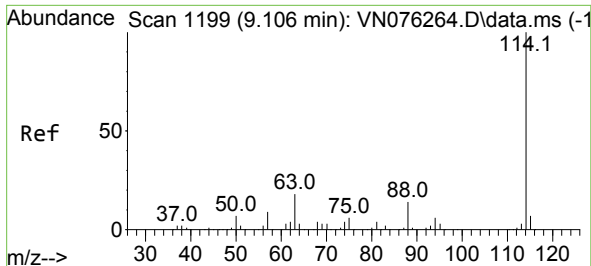
Tgt Ion: 56 Resp: 7964
Ion Ratio Lower Upper
56 100
69 181.9 25.8 38.8#
84 145.2 79.0 118.4#



#33
1,2-Dichloroethane-d4
Concen: 45.494 ug/l
RT: 8.588 min Scan# 1111
Delta R.T. 0.006 min
Lab File: VN076322.D
Acq: 19 Jan 2023 14:55

Tgt Ion: 65 Resp: 221999
Ion Ratio Lower Upper
65 100
67 50.5 0.0 104.6

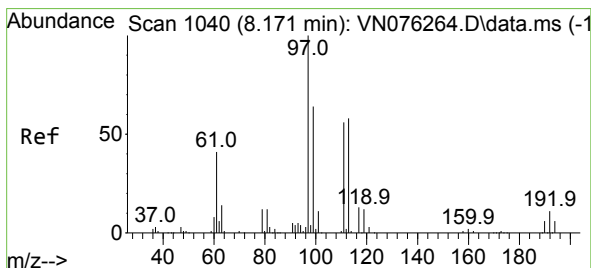
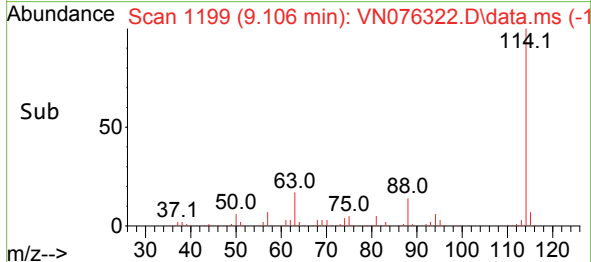
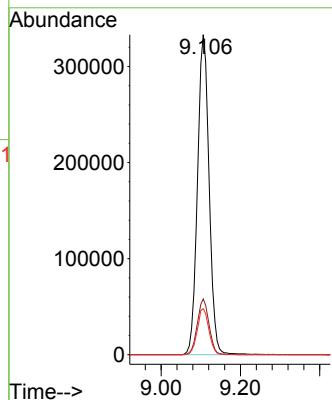
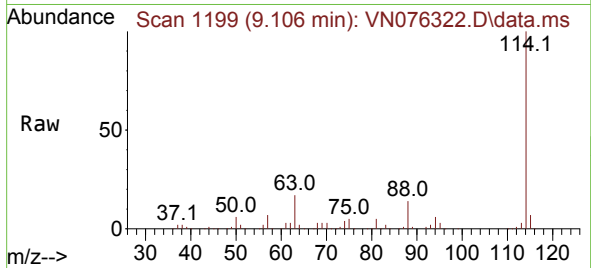




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 9.106 min Scan# 1199
Delta R.T. 0.000 min
Lab File: VN076322.D
Acq: 19 Jan 2023 14:55

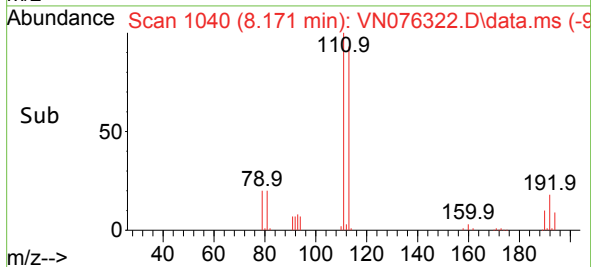
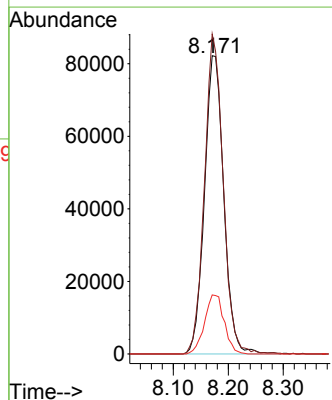
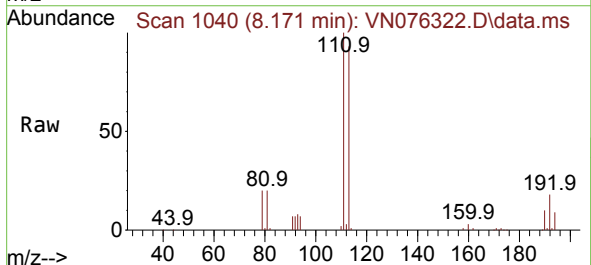
Instrument :
MSVOA_N
ClientSampleId :
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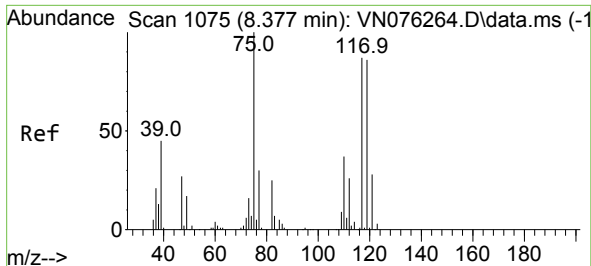
Tgt Ion:114 Resp: 676281
Ion Ratio Lower Upper
114 100
63 17.4 0.0 35.8
88 14.3 0.0 28.0



#35
Dibromofluoromethane
Concen: 47.419 ug/l
RT: 8.171 min Scan# 1040
Delta R.T. -0.000 min
Lab File: VN076322.D
Acq: 19 Jan 2023 14:55

Tgt Ion:113 Resp: 200601
Ion Ratio Lower Upper
113 100
111 103.9 82.7 124.1
192 20.1 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: VN076322.D

Acq: 19 Jan 2023 14:55

Instrument :

MSVOA_N

ClientSampleId :

IBLK

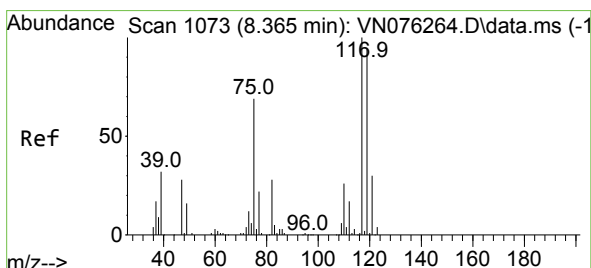
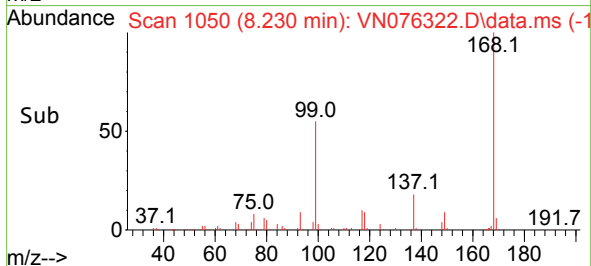
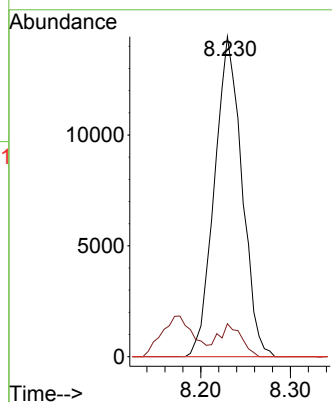
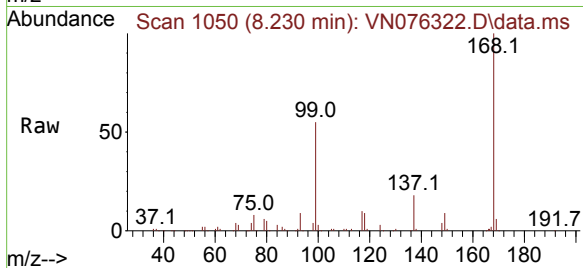
Tgt Ion: 75 Resp: 30717

Ion Ratio Lower Upper

75 100

110 8.7 18.8 56.3#

77 0.0 25.0 37.4#



#38

Carbon Tetrachloride

Concen: 6.314 ug/l

RT: 8.230 min Scan# 1050

Delta R.T. -0.135 min

Lab File: VN076322.D

Acq: 19 Jan 2023 14:55

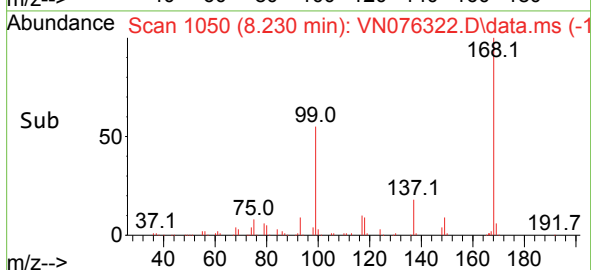
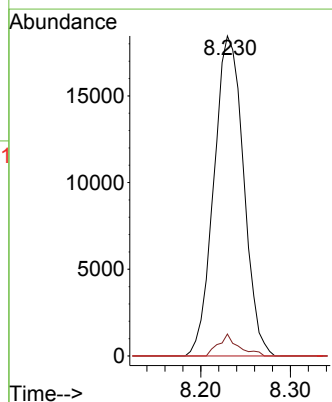
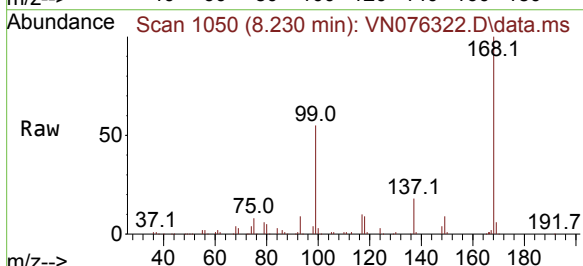
Tgt Ion: 117 Resp: 42325

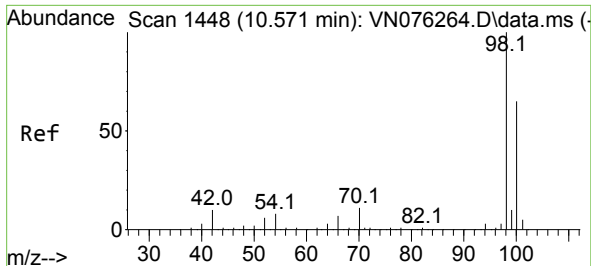
Ion Ratio Lower Upper

117 100

119 6.8 75.4 113.0#

121 0.0 24.2 36.2#

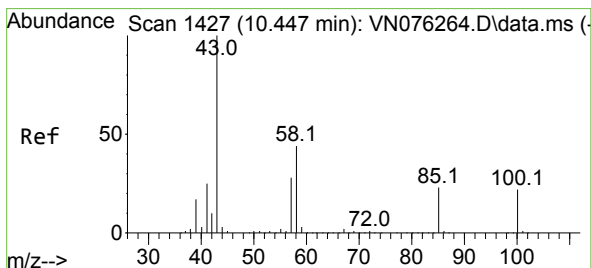
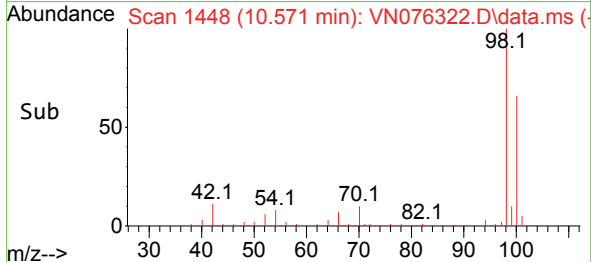
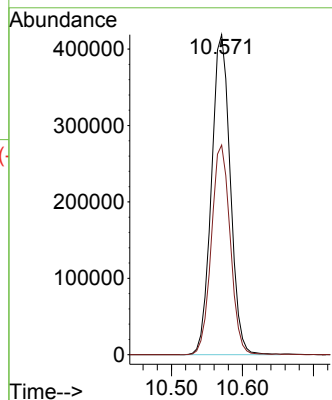
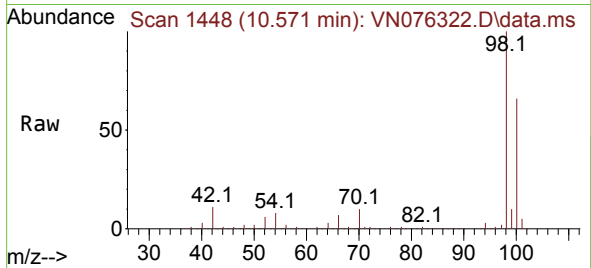




#50
Toluene-d8
Concen: 49.285 ug/l
RT: 10.571 min Scan# 1448
Delta R.T. -0.000 min
Lab File: VN076322.D
Acq: 19 Jan 2023 14:55

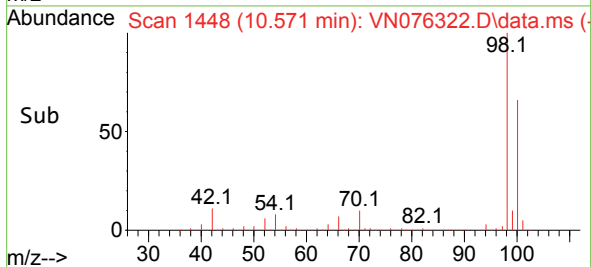
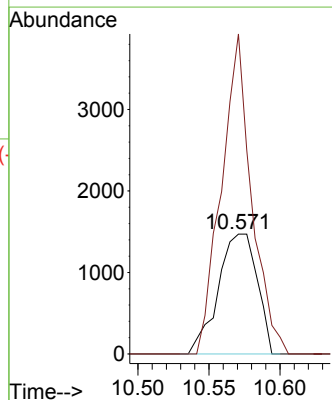
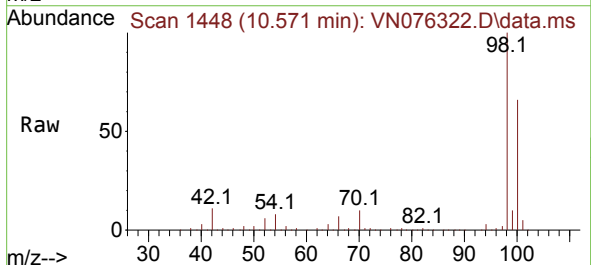
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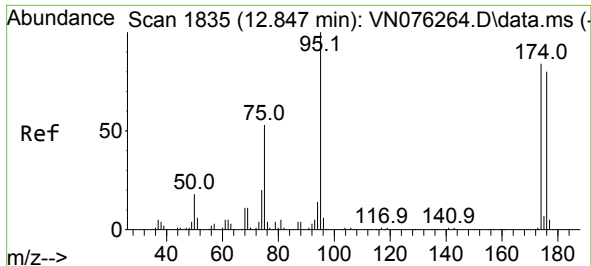
Tgt Ion: 98 Resp: 770008
Ion Ratio Lower Upper
98 100
100 65.6 52.2 78.4



#51
4-Methyl-2-Pentanone
Concen: 0.610 ug/l
RT: 10.571 min Scan# 1448
Delta R.T. 0.124 min
Lab File: VN076322.D
Acq: 19 Jan 2023 14:55

Tgt Ion: 43 Resp: 2808
Ion Ratio Lower Upper
43 100
58 206.7 35.1 52.7#

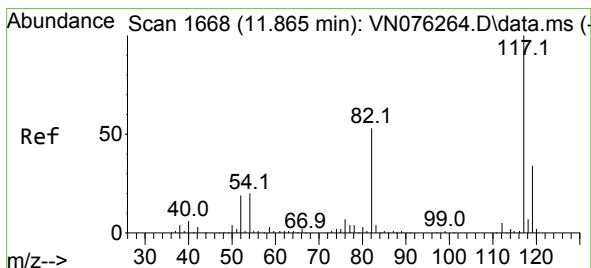
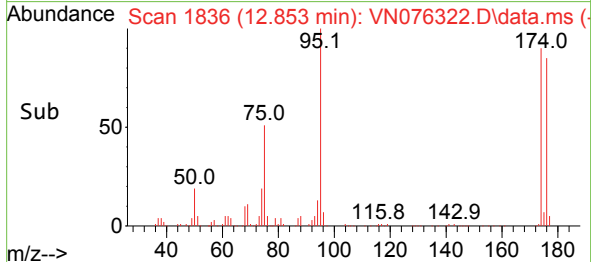
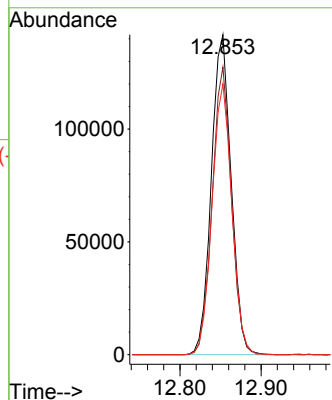
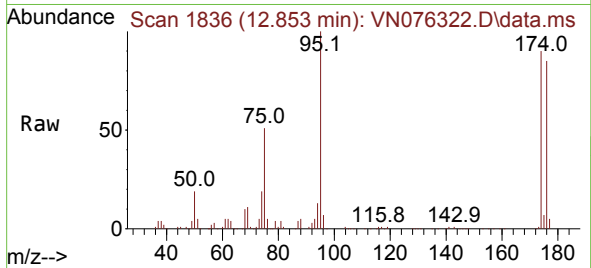




#62
4-Bromofluorobenzene
Concen: 47.039 ug/l
RT: 12.853 min Scan# 1836
Delta R.T. 0.006 min
Lab File: VN076322.D
Acq: 19 Jan 2023 14:55

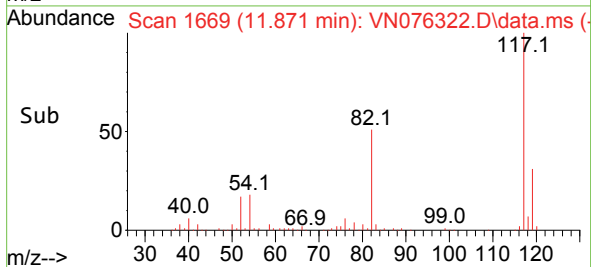
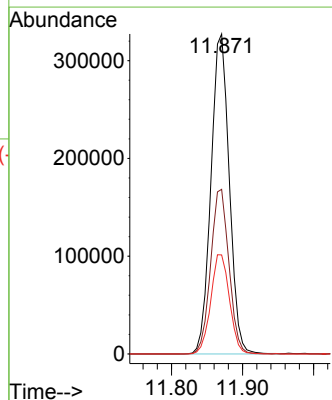
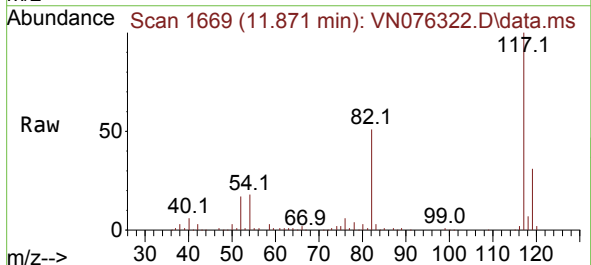
Instrument :
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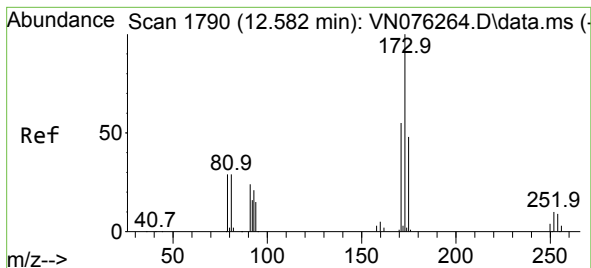
Tgt Ion: 95 Resp: 239915
Ion Ratio Lower Upper
95 100
174 87.7 0.0 174.6
176 84.6 0.0 167.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.871 min Scan# 1669
Delta R.T. 0.006 min
Lab File: VN076322.D
Acq: 19 Jan 2023 14:55

Tgt Ion: 117 Resp: 584886
Ion Ratio Lower Upper
117 100
82 51.4 42.2 63.2
119 31.0 26.9 40.3





#71

Bromoform

Concen: 0.463 ug/l

RT: 12.847 min Scan# 1835

Delta R.T. 0.265 min

Lab File: VN076322.D

Acq: 19 Jan 2023 14:55

Instrument :

MSVOA_N

ClientSampleId :

IBLK

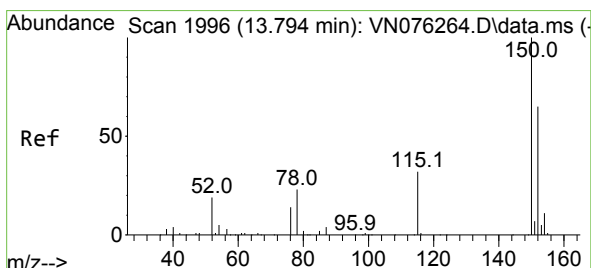
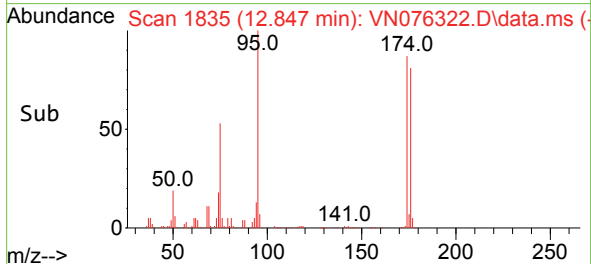
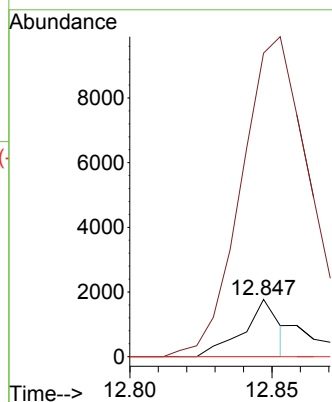
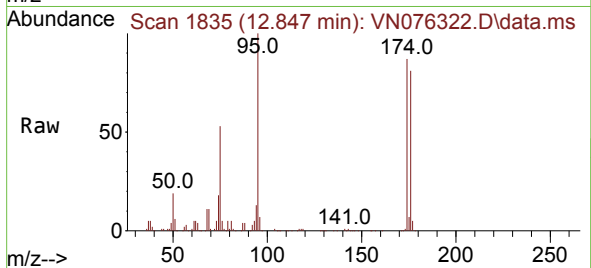
Tgt Ion:173 Resp: 1538

Ion Ratio Lower Upper

173 100

175 878.1 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: VN076322.D

Acq: 19 Jan 2023 14:55

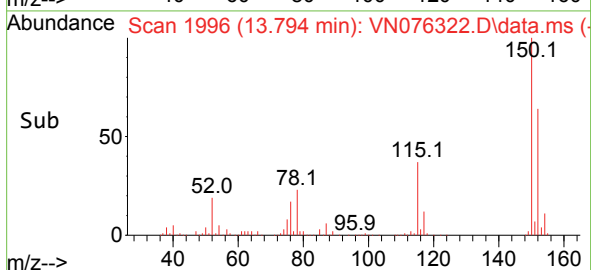
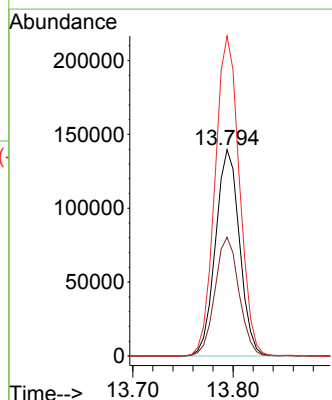
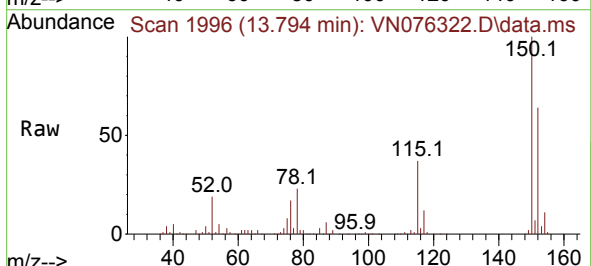
Tgt Ion:152 Resp: 232272

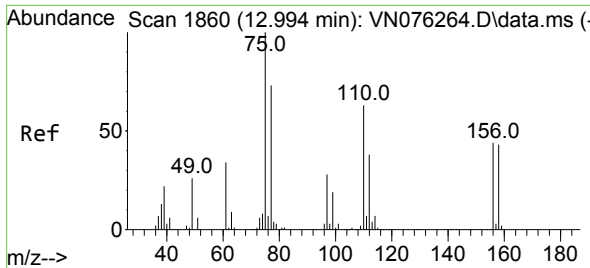
Ion Ratio Lower Upper

152 100

115 57.7 29.6 88.9

150 157.6 0.0 351.4

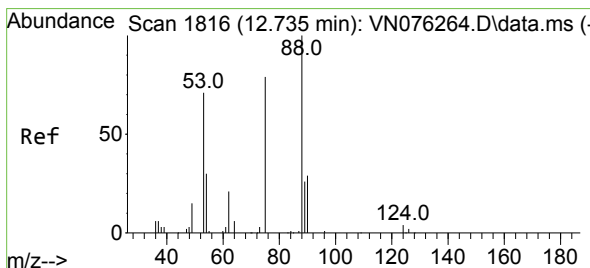
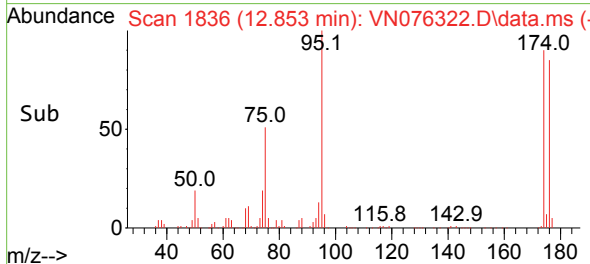
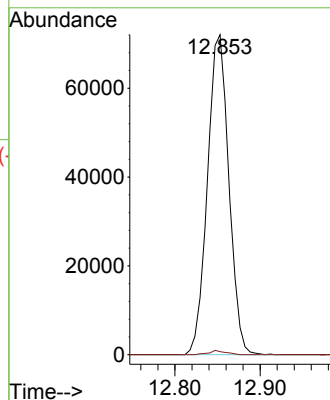
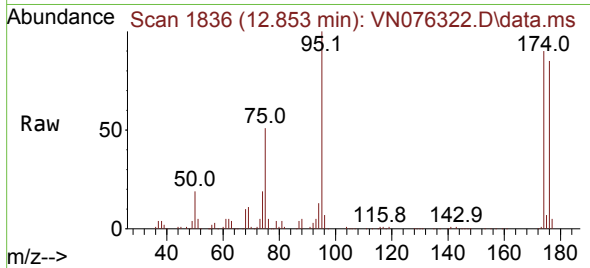




#76
1,2,3-Trichloropropane
Concen: 29.403 ug/l
RT: 12.853 min Scan# 1836
Delta R.T. -0.141 min
Lab File: VN076322.D
Acq: 19 Jan 2023 14:55

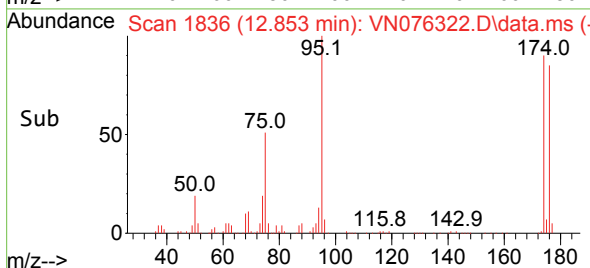
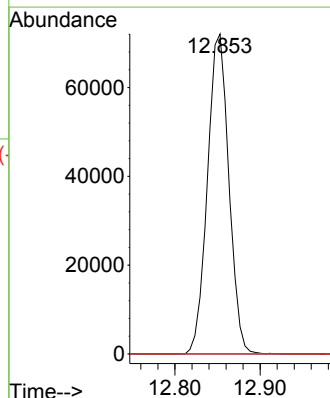
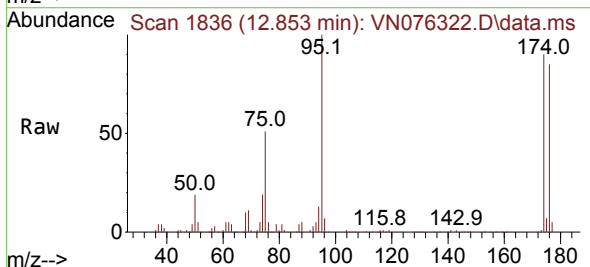
Instrument :
MSVOA_N
ClientSampleId :
IBLK

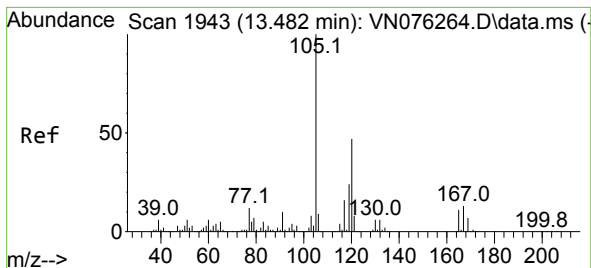
Tgt Ion: 75 Resp: 126070
Ion Ratio Lower Upper
75 100
77 1.0 75.2 225.6#



#81
trans-1,4-Dichloro-2-butene
Concen: 90.307 ug/l
RT: 12.853 min Scan# 1836
Delta R.T. 0.118 min
Lab File: VN076322.D
Acq: 19 Jan 2023 14:55

Tgt Ion: 75 Resp: 126070
Ion Ratio Lower Upper
75 100
53 0.0 75.8 113.8#
89 0.0 37.0 55.6#





#84

1,2,4-Trimethylbenzene

Concen: 0.309 ug/l

RT: 13.488 min Scan# 1944

Delta R.T. 0.006 min

Lab File: VN076322.D

Acq: 19 Jan 2023 14:55

Instrument :

MSVOA_N

ClientSampleId :

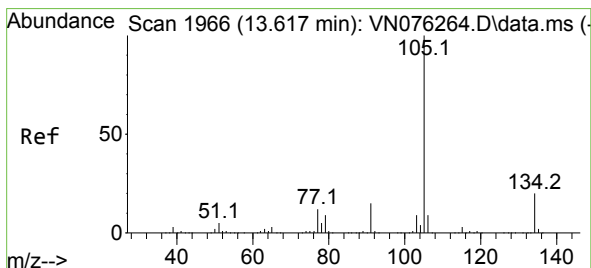
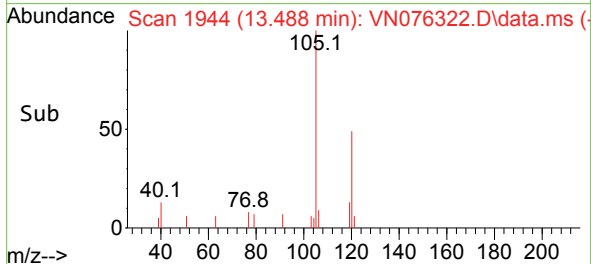
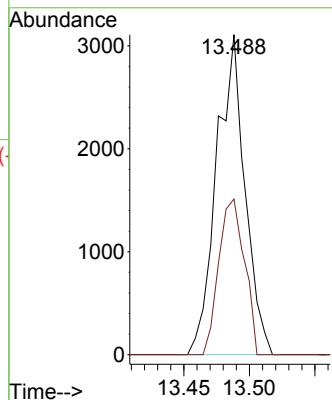
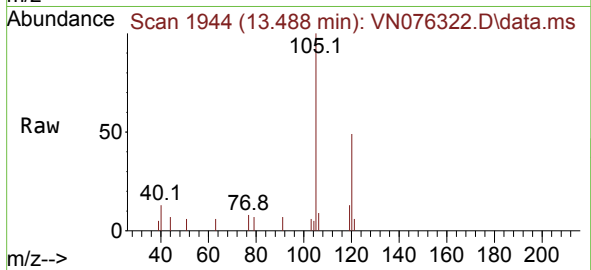
IBLK

Tgt Ion:105 Resp: 4668

Ion Ratio Lower Upper

105 100

120 44.0 22.9 68.5



#85

sec-Butylbenzene

Concen: 0.251 ug/l

RT: 13.488 min Scan# 1944

Delta R.T. -0.129 min

Lab File: VN076322.D

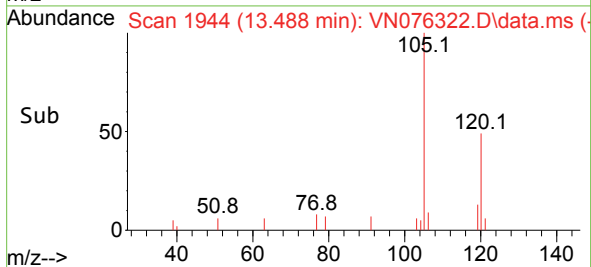
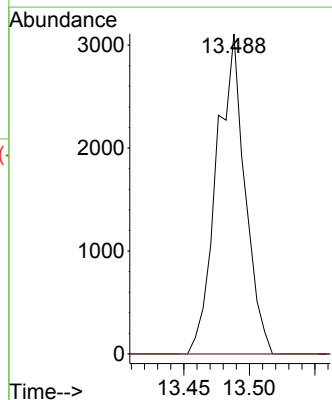
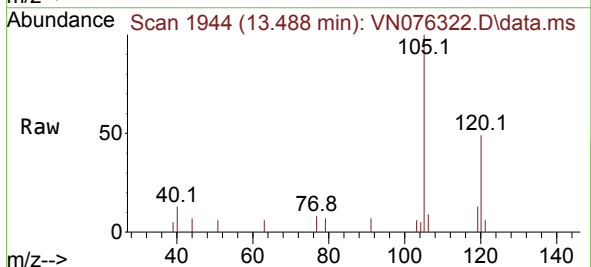
Acq: 19 Jan 2023 14:55

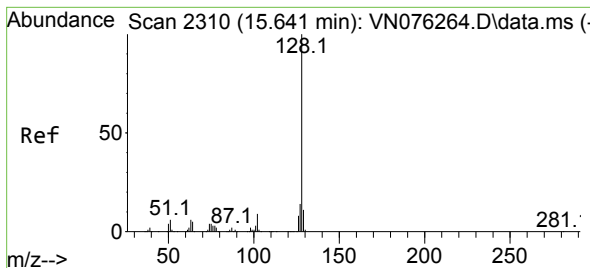
Tgt Ion:105 Resp: 4668

Ion Ratio Lower Upper

105 100

134 0.0 10.3 30.8#





#95

Naphthalene

Concen: 2.505 ug/l

RT: 15.653 min Scan# 2312

Delta R.T. 0.012 min

Lab File: VN076322.D

Acq: 19 Jan 2023 14:55

Instrument :

MSVOA_N

ClientSampleId :

IBLK

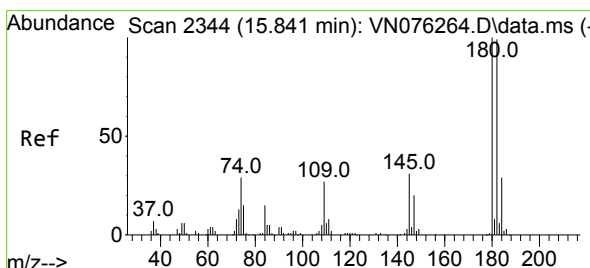
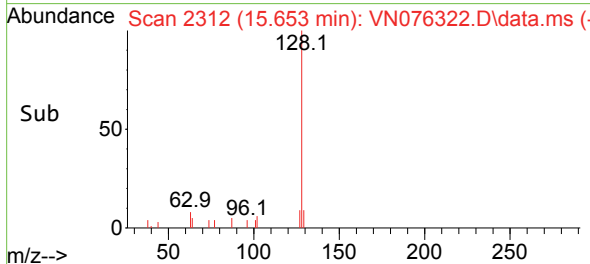
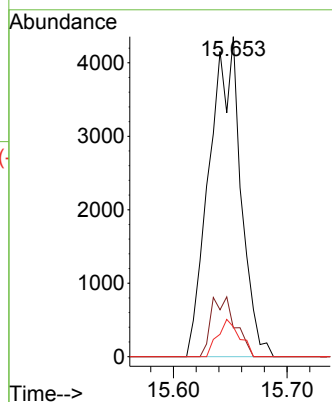
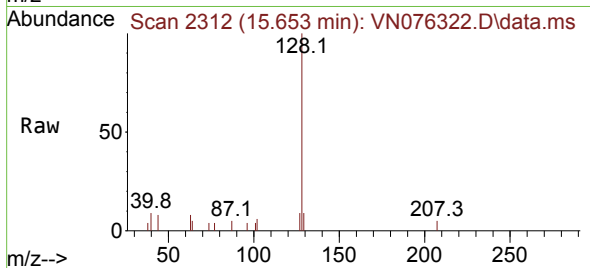
Tgt Ion:128 Resp: 8345

Ion Ratio Lower Upper

128 100

127 14.4 10.3 15.5

129 8.1 8.6 13.0#



#96

1,2,3-Trichlorobenzene

Concen: 1.169 ug/l

RT: 15.853 min Scan# 2346

Delta R.T. 0.012 min

Lab File: VN076322.D

Acq: 19 Jan 2023 14:55

Tgt Ion:180 Resp: 59

Ion Ratio Lower Upper

180 100

182 0.0 47.5 142.5#

145 0.0 15.9 47.6#

