

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN020323\
 Data File : VN076531.D
 Acq On : 03 Feb 2023 14:35
 Operator : JC\MD
 Sample : IBLK
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 IBLK

Quant Time: Feb 03 22:17:46 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)

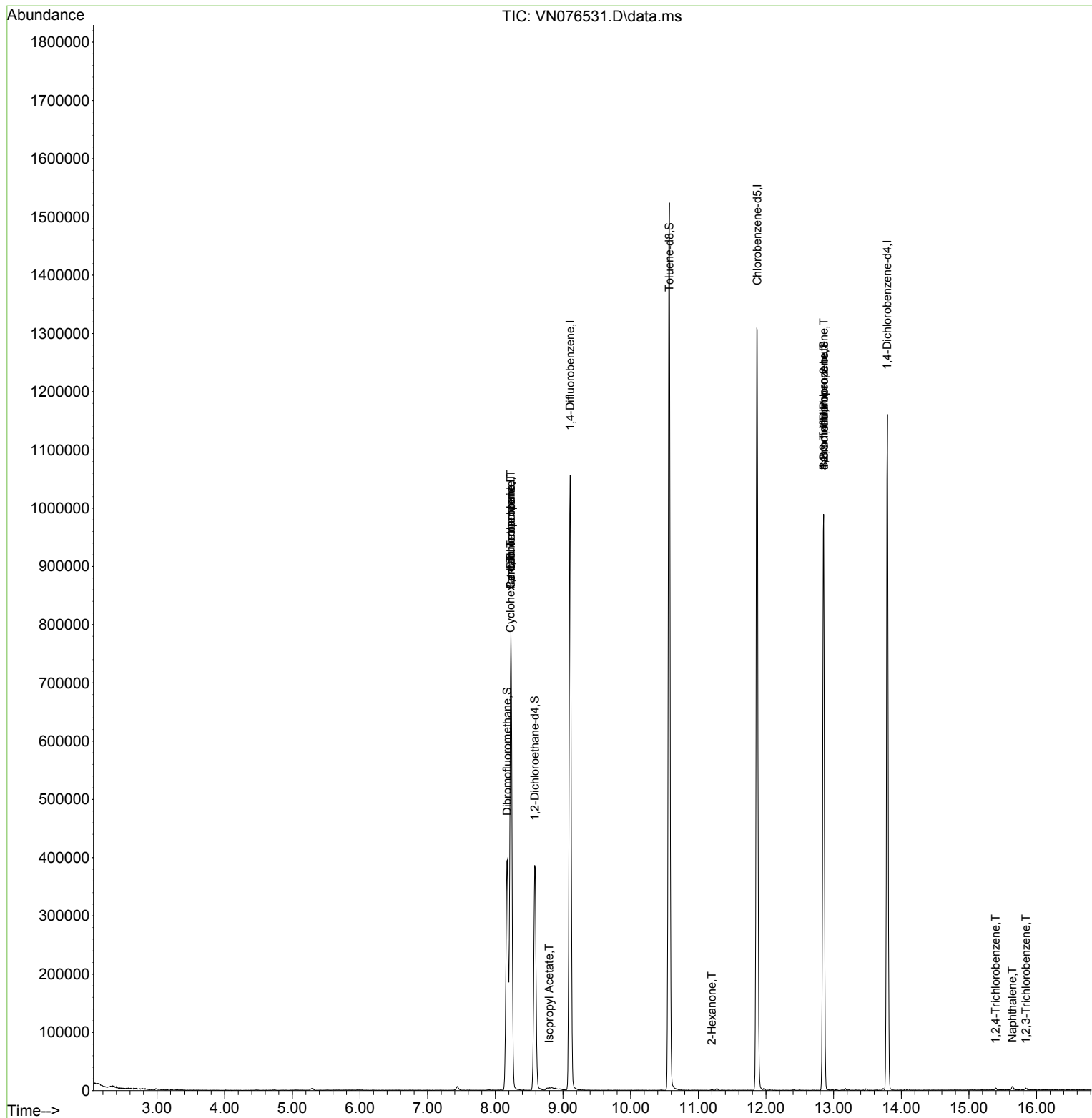
Internal Standards						
1) Pentafluorobenzene	8.229	168	596977	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.106	114	970873	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.870	117	825929	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.794	152	323957	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.582	65	337134	50.437	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	= 100.880%	
35) Dibromofluoromethane	8.177	113	291120	47.935	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	= 95.880%	
50) Toluene-d8	10.570	98	1105077	49.270	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	= 98.540%	
62) 4-Bromofluorobenzene	12.853	95	356825	48.733	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	= 97.460%	
Target Compounds						
					Qvalue	
20) Methylene Chloride	5.294	84	2446	Below Cal	#	89
31) Cyclohexane	8.224	56	11175	1.088	ug/l #	1
36) 1,1-Dichloropropene	8.229	75	43468	5.037	ug/l #	49
38) Carbon Tetrachloride	8.229	117	59792	6.213	ug/l #	16
43) Isopropyl Acetate	8.794	43	5028	0.447	ug/l #	51
59) 2-Hexanone	11.200	43	1101	0.230	ug/l	77
71) Bromoform	12.853	173	1703	0.363	ug/l #	1
76) 1,2,3-Trichloropropane	12.853	75	179752	30.080	ug/l #	1
77) Bromobenzene	12.982	156	308	Below Cal		67
81) trans-1,4-Dichloro-2-b...	12.853	75	179752	92.320	ug/l #	11
93) 1,2,4-Trichlorobenzene	15.394	180	1311	1.530	ug/l	91
95) Naphthalene	15.641	128	6410	2.206	ug/l #	91
96) 1,2,3-Trichlorobenzene	15.841	180	1233	1.376	ug/l #	83

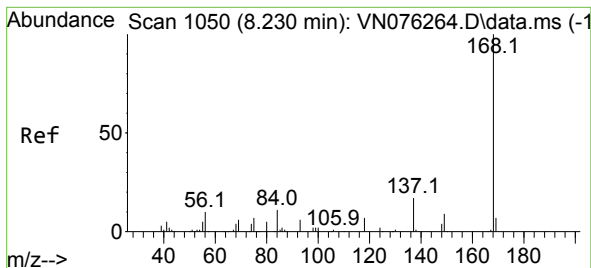
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 8.229 min Scan# 1

Delta R.T. -0.001 min

Lab File: VN076531.D

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Instrument :

MSVOA_N

ClientSampleId :

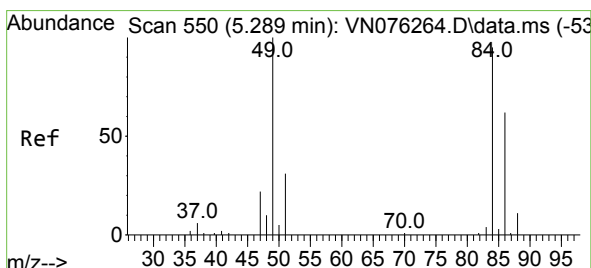
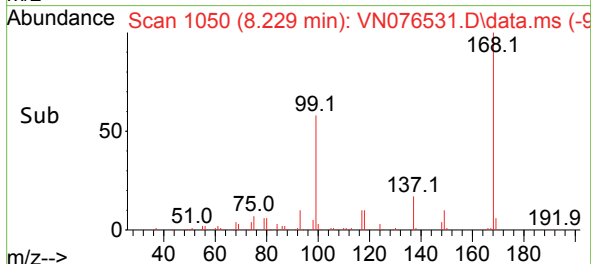
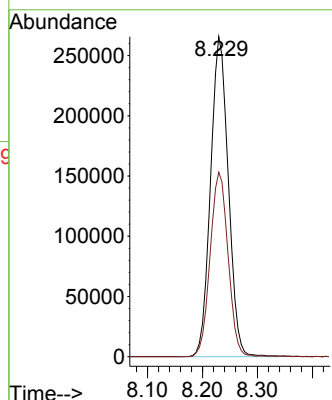
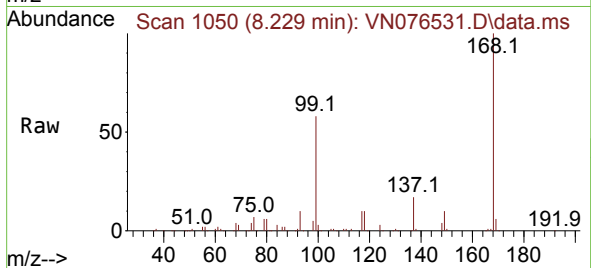
IBLK

Tgt Ion:168 Resp: 596977

Ion Ratio Lower Upper

168 100

99 57.7 41.6 62.4



#20

Methylene Chloride

Concen: Below Cal

RT: 5.294 min Scan# 551

Delta R.T. 0.005 min

Lab File: VN076531.D

Acq: 03 Feb 2023 14:35

Tgt Ion: 84 Resp: 2446

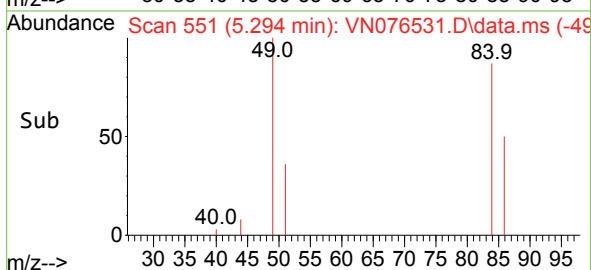
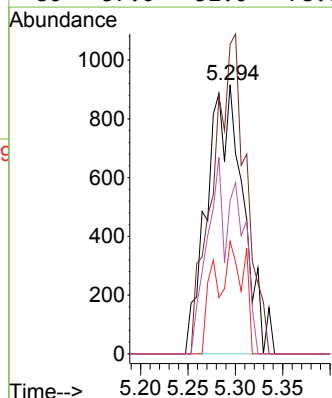
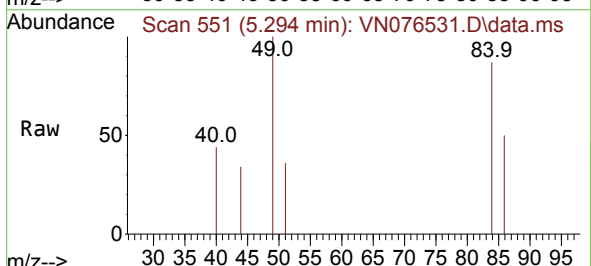
Ion Ratio Lower Upper

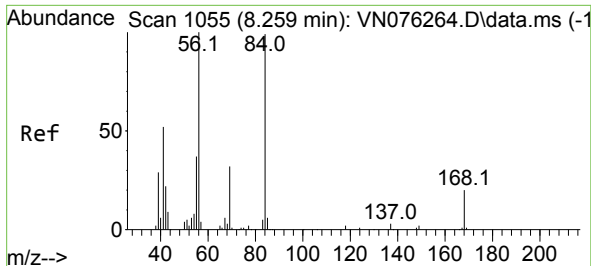
84 100

49 115.1 84.5 126.7

51 41.8 26.0 39.0#

86 57.0 52.0 78.0

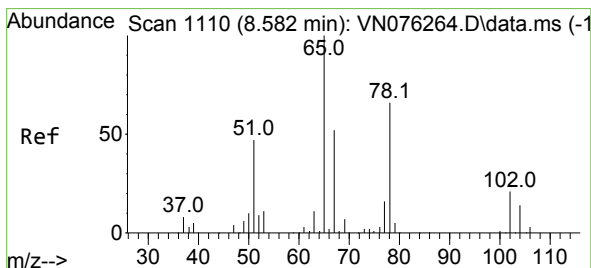
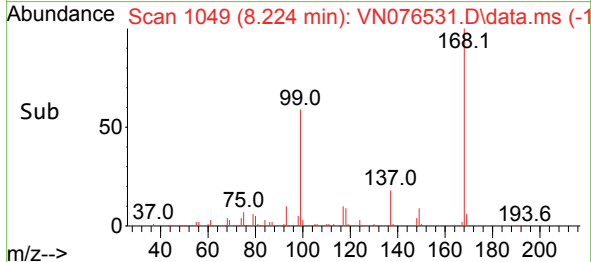
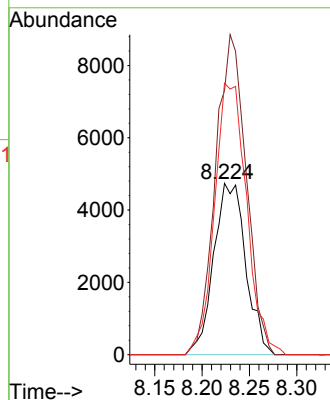
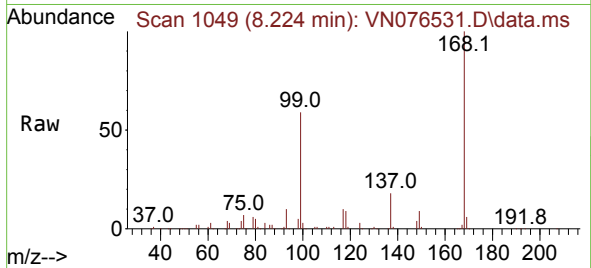




#31
Cyclohexane
Concen: 1.088 ug/l
RT: 8.224 min Scan# 11049
Delta R.T. -0.035 min
Lab File: VN076531.D
Acq: 03 Feb 2023 14:35

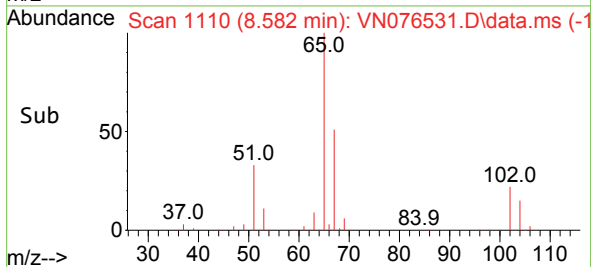
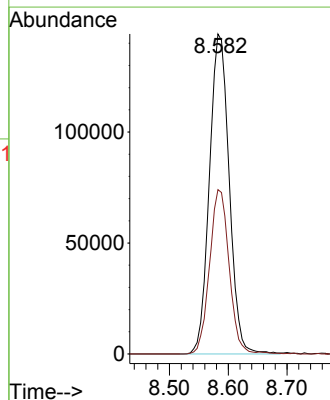
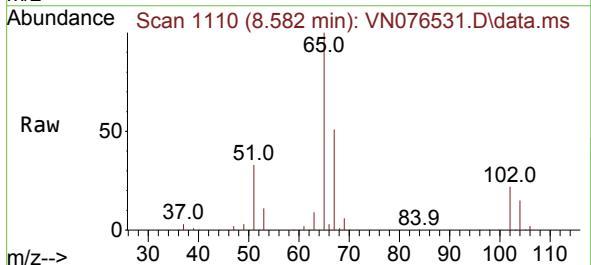
Instrument :
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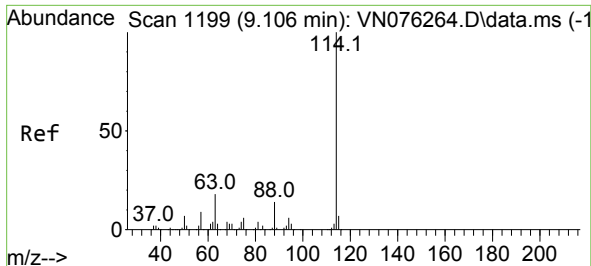
Tgt Ion: 56 Resp: 11175
Ion Ratio Lower Upper
56 100
69 154.2 25.8 38.8#
84 158.5 79.0 118.4#



#33
1,2-Dichloroethane-d4
Concen: 50.437 ug/l
RT: 8.582 min Scan# 1110
Delta R.T. 0.000 min
Lab File: VN076531.D
Acq: 03 Feb 2023 14:35

Tgt Ion: 65 Resp: 337134
Ion Ratio Lower Upper
65 100
67 50.5 0.0 104.6

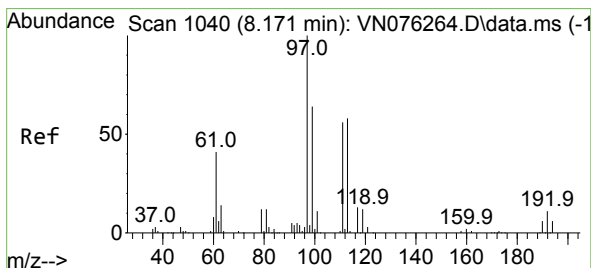
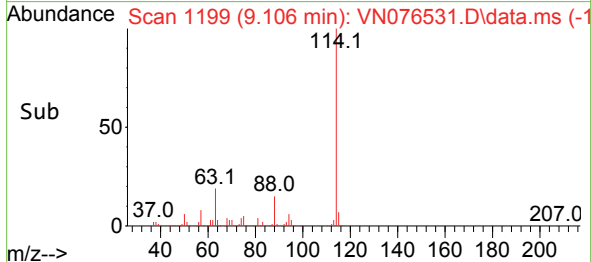
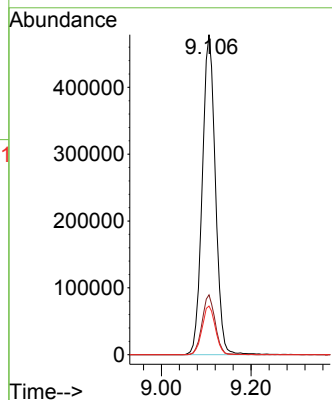
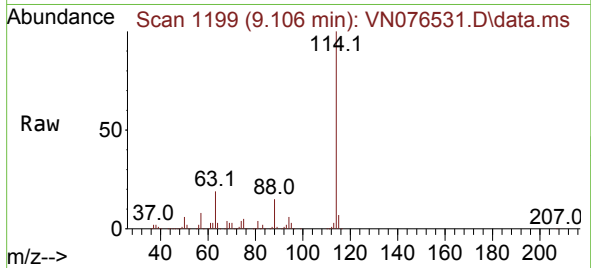




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 9.106 min Scan# 1199
Delta R.T. -0.000 min
Lab File: VN076531.D
Acq: 03 Feb 2023 14:35

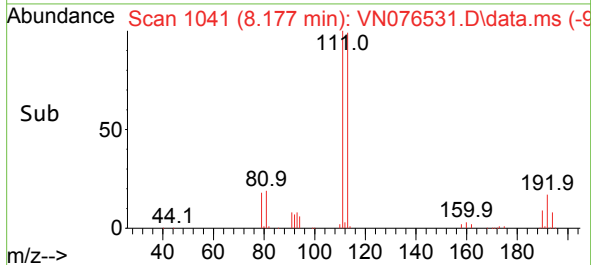
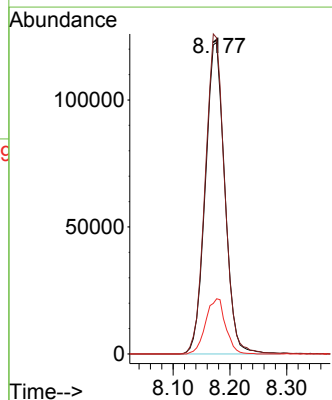
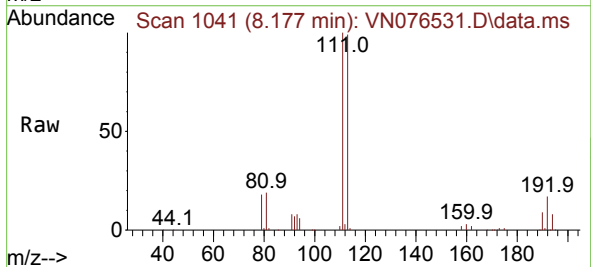
Instrument :
MSVOA_N
ClientSampleId :
IBLK

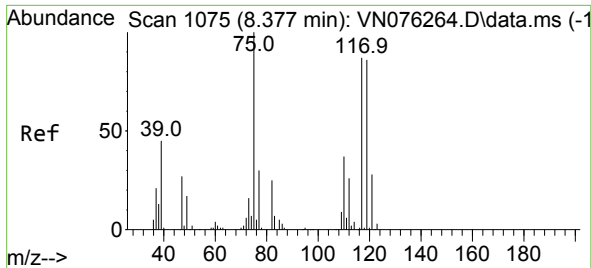
Tgt Ion:114 Resp: 970873
Ion Ratio Lower Upper
114 100
63 18.7 0.0 35.8
88 15.2 0.0 28.0



#35
Dibromofluoromethane
Concen: 47.935 ug/l
RT: 8.177 min Scan# 1041
Delta R.T. 0.006 min
Lab File: VN076531.D
Acq: 03 Feb 2023 14:35

Tgt Ion:113 Resp: 291120
Ion Ratio Lower Upper
113 100
111 102.4 82.7 124.1
192 18.2 15.6 23.4

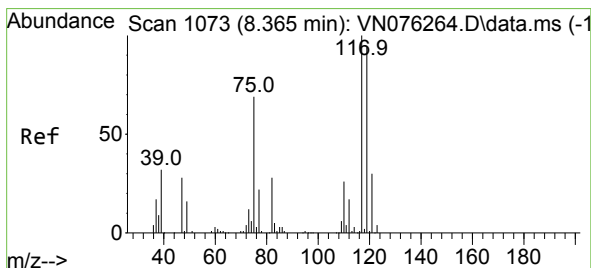
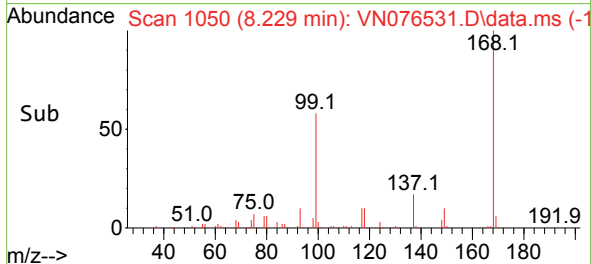
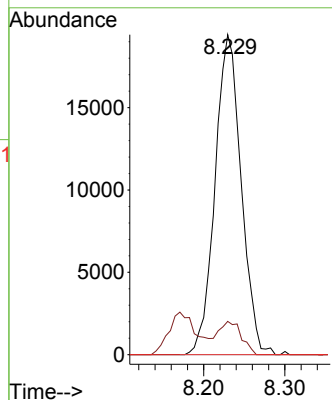
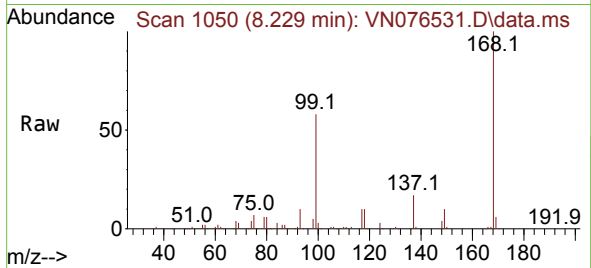




#36
1,1-Dichloropropene
Concen: 5.037 ug/l
RT: 8.229 min Scan# 1050
Delta R.T. -0.148 min
Lab File: VN076531.D
Acq: 03 Feb 2023 14:35

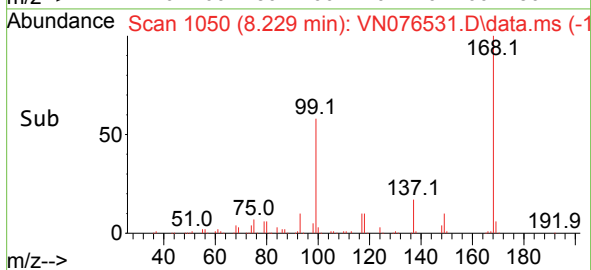
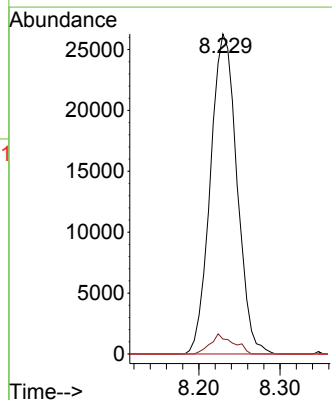
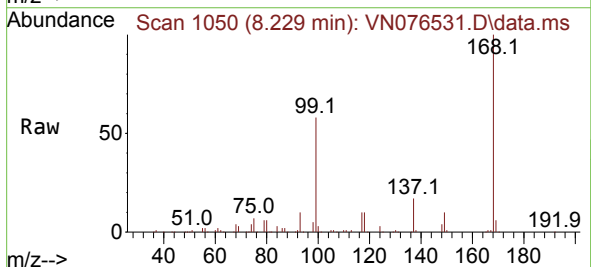
Instrument :
MSVOA_N
ClientSampleId :
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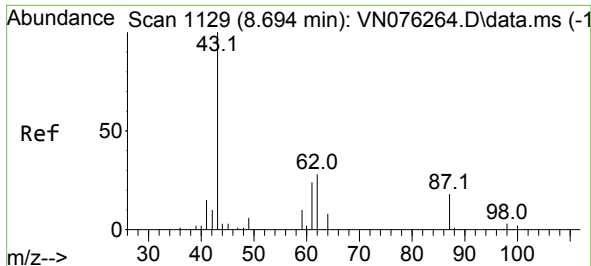
Tgt Ion: 75 Resp: 43468
Ion Ratio Lower Upper
75 100
110 9.6 18.8 56.3#
77 0.0 25.0 37.4#



#38
Carbon Tetrachloride
Concen: 6.213 ug/l
RT: 8.229 min Scan# 1050
Delta R.T. -0.136 min
Lab File: VN076531.D
Acq: 03 Feb 2023 14:35

Tgt Ion: 117 Resp: 59792
Ion Ratio Lower Upper
117 100
119 4.6 75.4 113.0#
121 0.0 24.2 36.2#

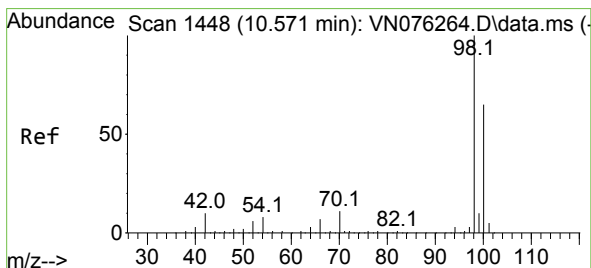
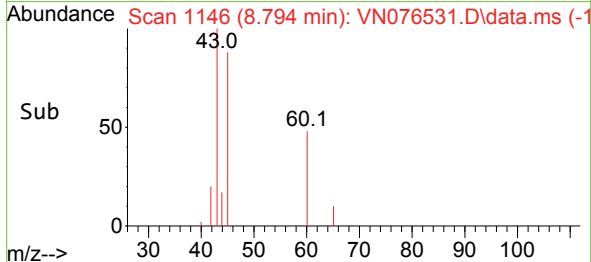
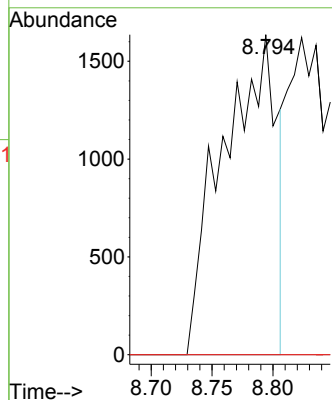
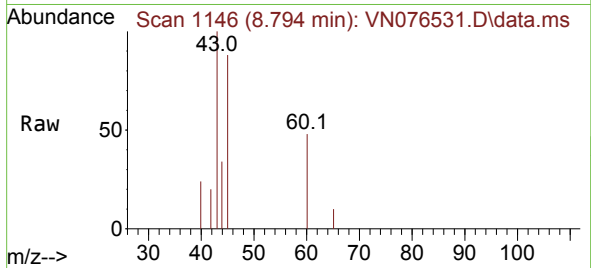




#43
Isopropyl Acetate
Concen: 0.447 ug/l
RT: 8.794 min Scan# 1129
Delta R.T. 0.100 min
Lab File: VN076531.D
Acq: 03 Feb 2023 14:35

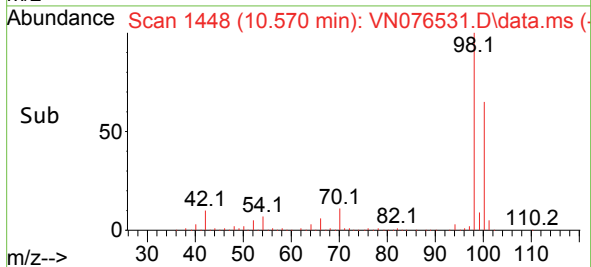
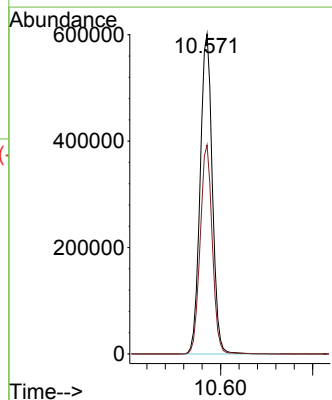
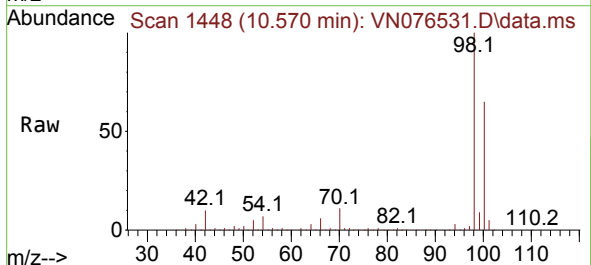
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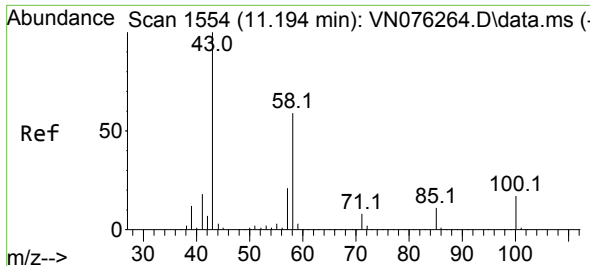
Tgt Ion: 43 Resp: 5028
Ion Ratio Lower Upper
43 100
61 0.0 23.5 35.3#
87 0.0 13.8 20.6#



#50
Toluene-d8
Concen: 49.270 ug/l
RT: 10.570 min Scan# 1448
Delta R.T. -0.001 min
Lab File: VN076531.D
Acq: 03 Feb 2023 14:35

Tgt Ion: 98 Resp: 1105077
Ion Ratio Lower Upper
98 100
100 65.1 52.2 78.4

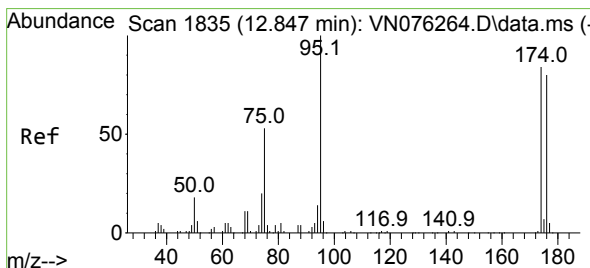
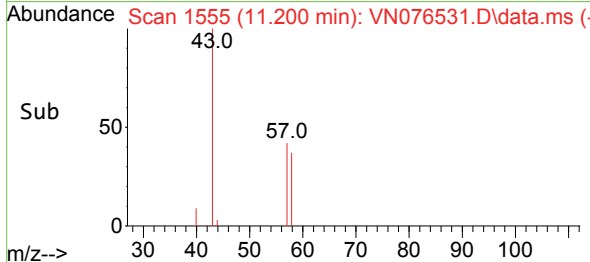
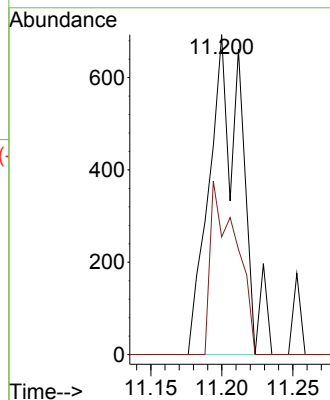
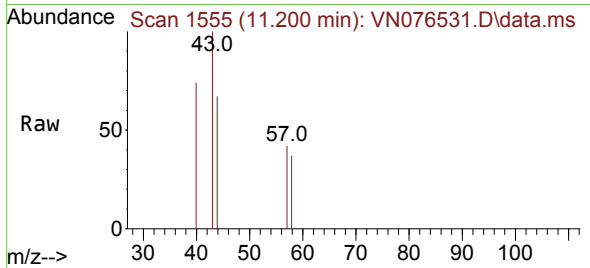




#59
2-Hexanone
Concen: 0.230 ug/l
RT: 11.200 min Scan# 1101
Delta R.T. 0.006 min
Lab File: VN076531.D
Acq: 03 Feb 2023 14:35

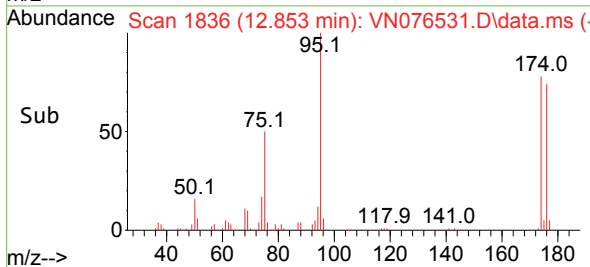
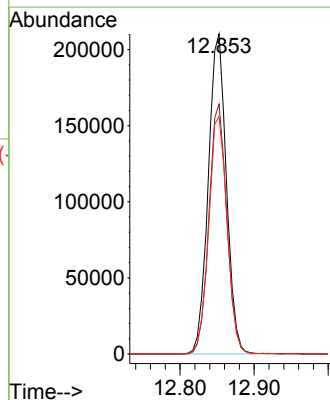
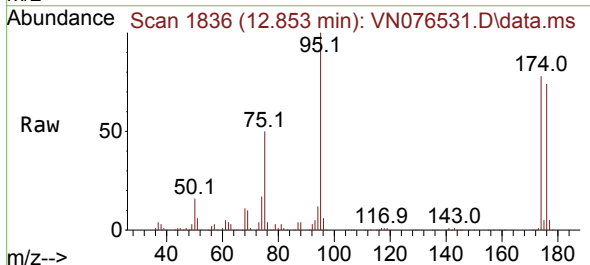
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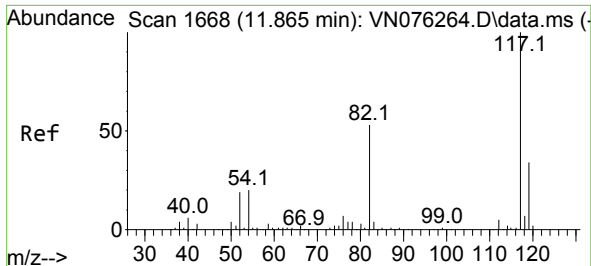
Tgt Ion: 43 Resp: 1101
Ion Ratio Lower Upper
43 100
58 42.6 30.1 90.3



#62
4-Bromofluorobenzene
Concen: 48.733 ug/l
RT: 12.853 min Scan# 1836
Delta R.T. 0.006 min
Lab File: VN076531.D
Acq: 03 Feb 2023 14:35

Tgt Ion: 95 Resp: 356825
Ion Ratio Lower Upper
95 100
174 77.4 0.0 174.6
176 74.8 0.0 167.8

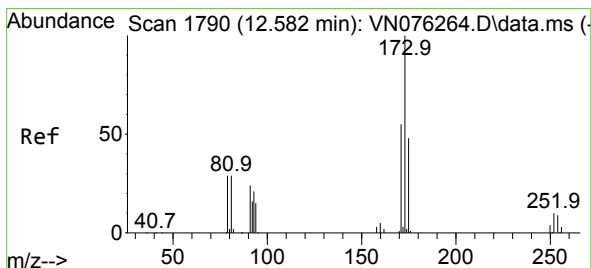
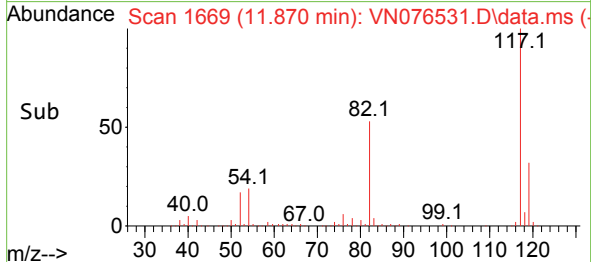
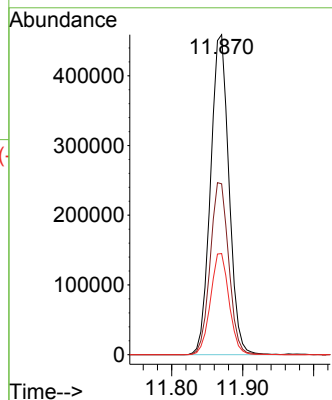
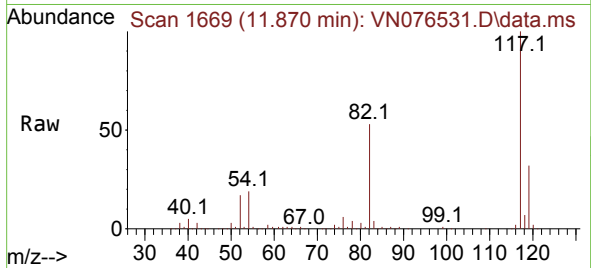




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.870 min Scan# 117
Delta R.T. 0.005 min
Lab File: VN076531.D
Acq: 03 Feb 2023 14:35

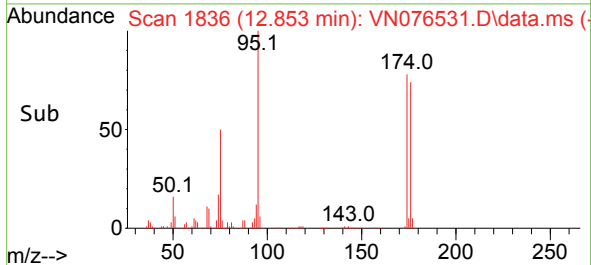
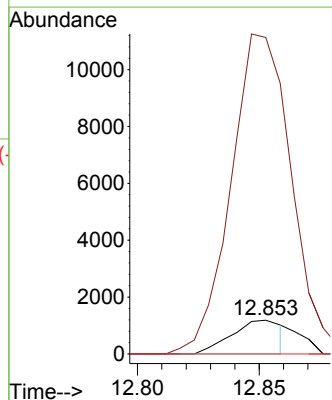
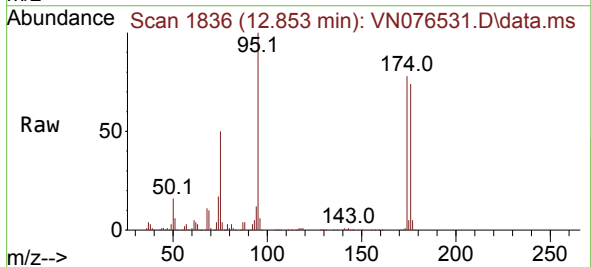
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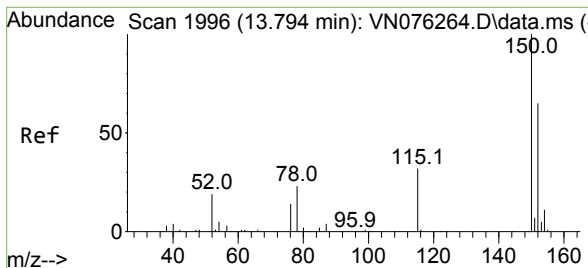
Tgt Ion:117 Resp: 825929
Ion Ratio Lower Upper
117 100
82 53.4 42.2 63.2
119 31.6 26.9 40.3



#71
Bromoform
Concen: 0.363 ug/l
RT: 12.853 min Scan# 1836
Delta R.T. 0.271 min
Lab File: VN076531.D
Acq: 03 Feb 2023 14:35

Tgt Ion:173 Resp: 1703
Ion Ratio Lower Upper
173 100
175 951.0 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: VN076531.D

Acq: 03 Feb 2023 14:35

Instrument :

MSVOA_N

ClientSampleId :

IBLK

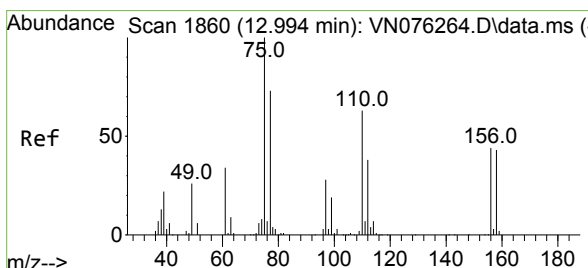
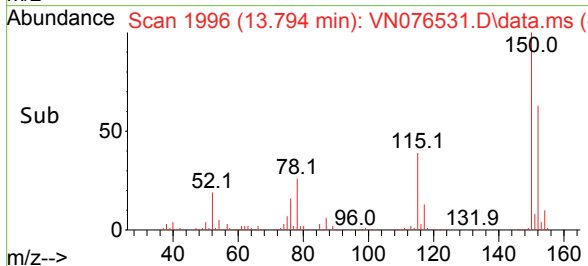
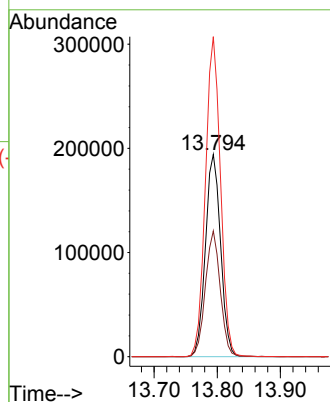
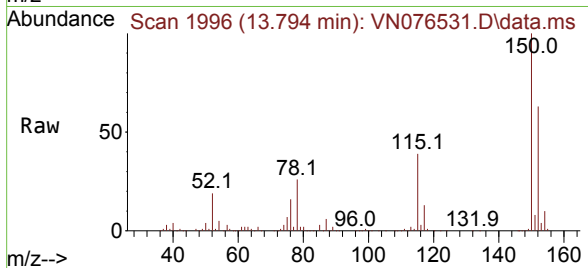
Tgt Ion:152 Resp: 323957

Ion Ratio Lower Upper

152 100

115 61.0 29.6 88.9

150 156.8 0.0 351.4



#76

1,2,3-Trichloropropane

Concen: 30.080 ug/l

RT: 12.853 min Scan# 1836

Delta R.T. -0.141 min

Lab File: VN076531.D

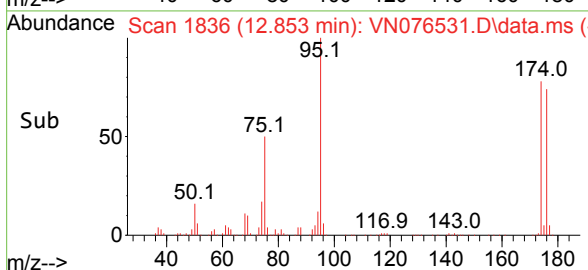
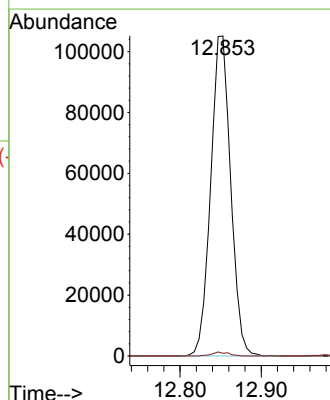
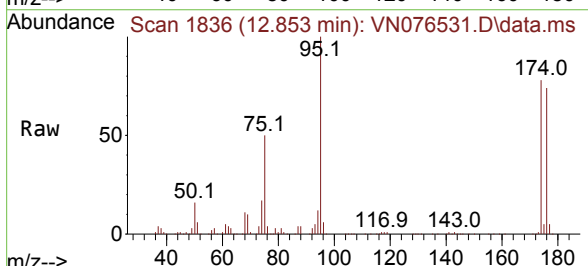
Acq: 03 Feb 2023 14:35

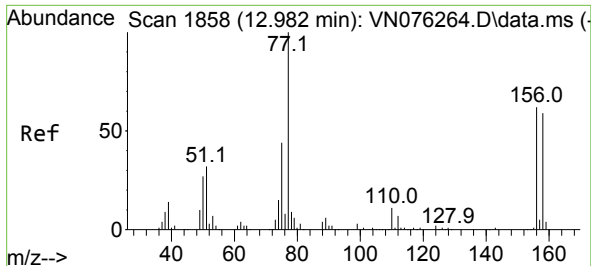
Tgt Ion: 75 Resp: 179752

Ion Ratio Lower Upper

75 100

77 1.0 75.2 225.6#

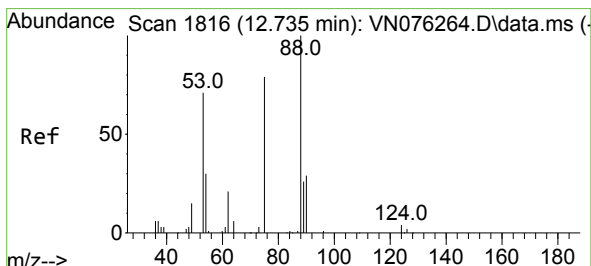
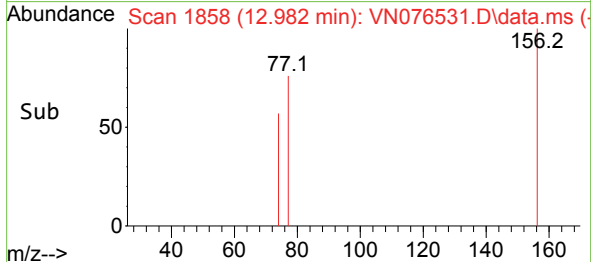
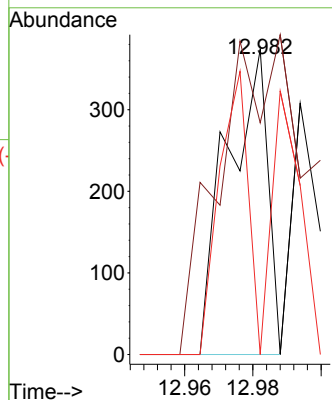
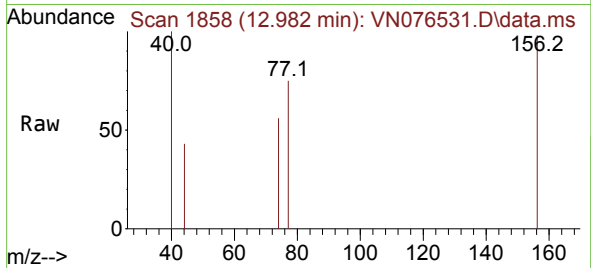




#77
Bromobenzene
Concen: Below Cal
RT: 12.982 min Scan# 1858
Delta R.T. 0.000 min
Lab File: VN076531.D
Acq: 03 Feb 2023 14:35

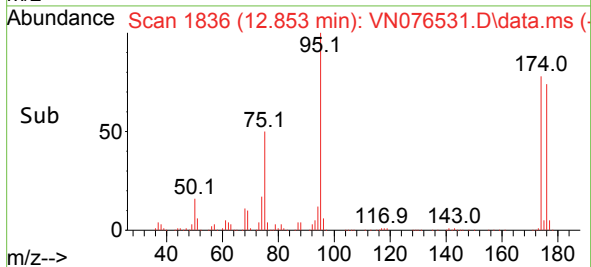
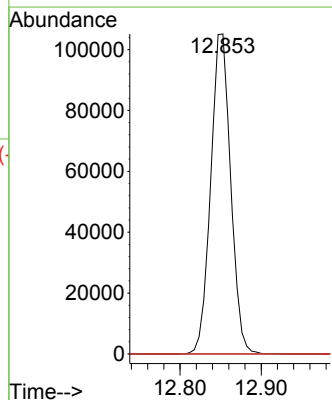
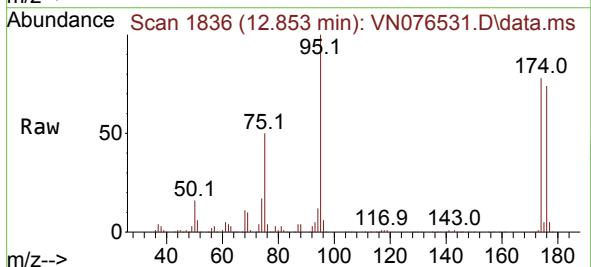
Instrument :
MSVOA_N
ClientSampleId :
IBLK

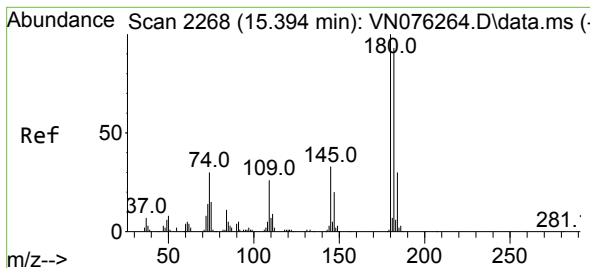
Tgt Ion:156 Resp: 308
Ion Ratio Lower Upper
156 100
77 236.0 93.4 280.2
158 66.2 48.4 145.2



#81
trans-1,4-Dichloro-2-butene
Concen: 92.320 ug/l
RT: 12.853 min Scan# 1836
Delta R.T. 0.118 min
Lab File: VN076531.D
Acq: 03 Feb 2023 14:35

Tgt Ion: 75 Resp: 179752
Ion Ratio Lower Upper
75 100
53 0.0 75.8 113.8#
89 0.0 37.0 55.6#





#93

1,2,4-Trichlorobenzene

Concen: 1.530 ug/l

RT: 15.394 min Scan# 21

Delta R.T. -0.000 min

Lab File: VN076531.D

Acq: 03 Feb 2023 14:35

Instrument :

MSVOA_N

ClientSampleId :

IBLK

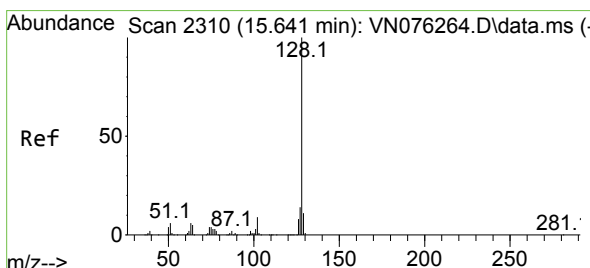
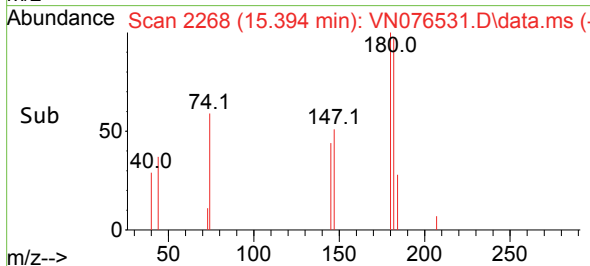
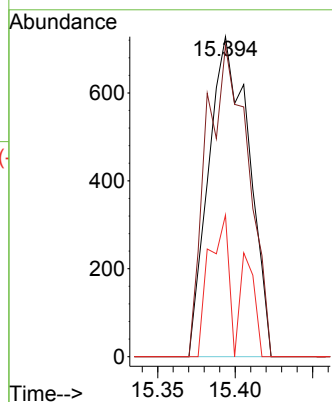
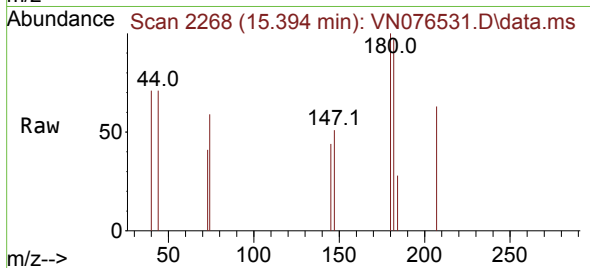
Tgt Ion:180 Resp: 1311

Ion Ratio Lower Upper

180 100

182 101.0 47.0 141.2

145 21.6 15.2 45.5



#95

Naphthalene

Concen: 2.206 ug/l

RT: 15.641 min Scan# 2310

Delta R.T. -0.000 min

Lab File: VN076531.D

Acq: 03 Feb 2023 14:35

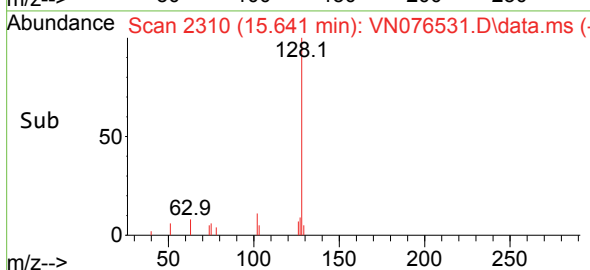
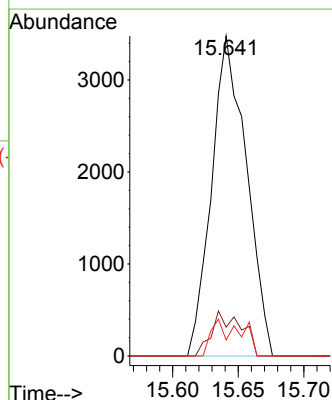
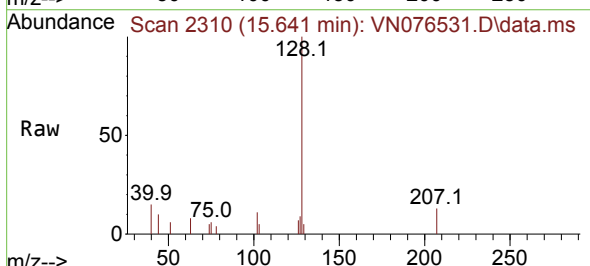
Tgt Ion:128 Resp: 6410

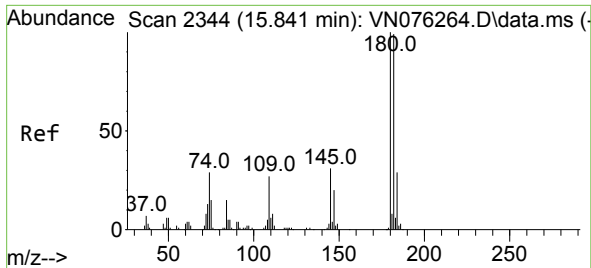
Ion Ratio Lower Upper

128 100

127 12.0 10.3 15.5

129 4.7 8.6 13.0#





#96
 1,2,3-Trichlorobenzene
 Concen: 1.376 ug/l
 RT: 15.841 min Scan# 21
 Delta R.T. -0.000 min
 Lab File: VN076531.D
 Acq: 03 Feb 2023 14:35

Instrument :
 MSVOA_N
 ClientSampleId :
 IBLK

Tgt Ion:180 Resp: 1233
 Ion Ratio Lower Upper
 180 100
 182 84.7 47.5 142.5
 145 50.9 15.9 47.6#

