

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN011823\
 Data File : VN076290.D
 Acq On : 18 Jan 2023 11:34
 Operator : JC\MD
 Sample : VN0118WBL01
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0118WBL01

Quant Time: Jan 19 00:46:12 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)

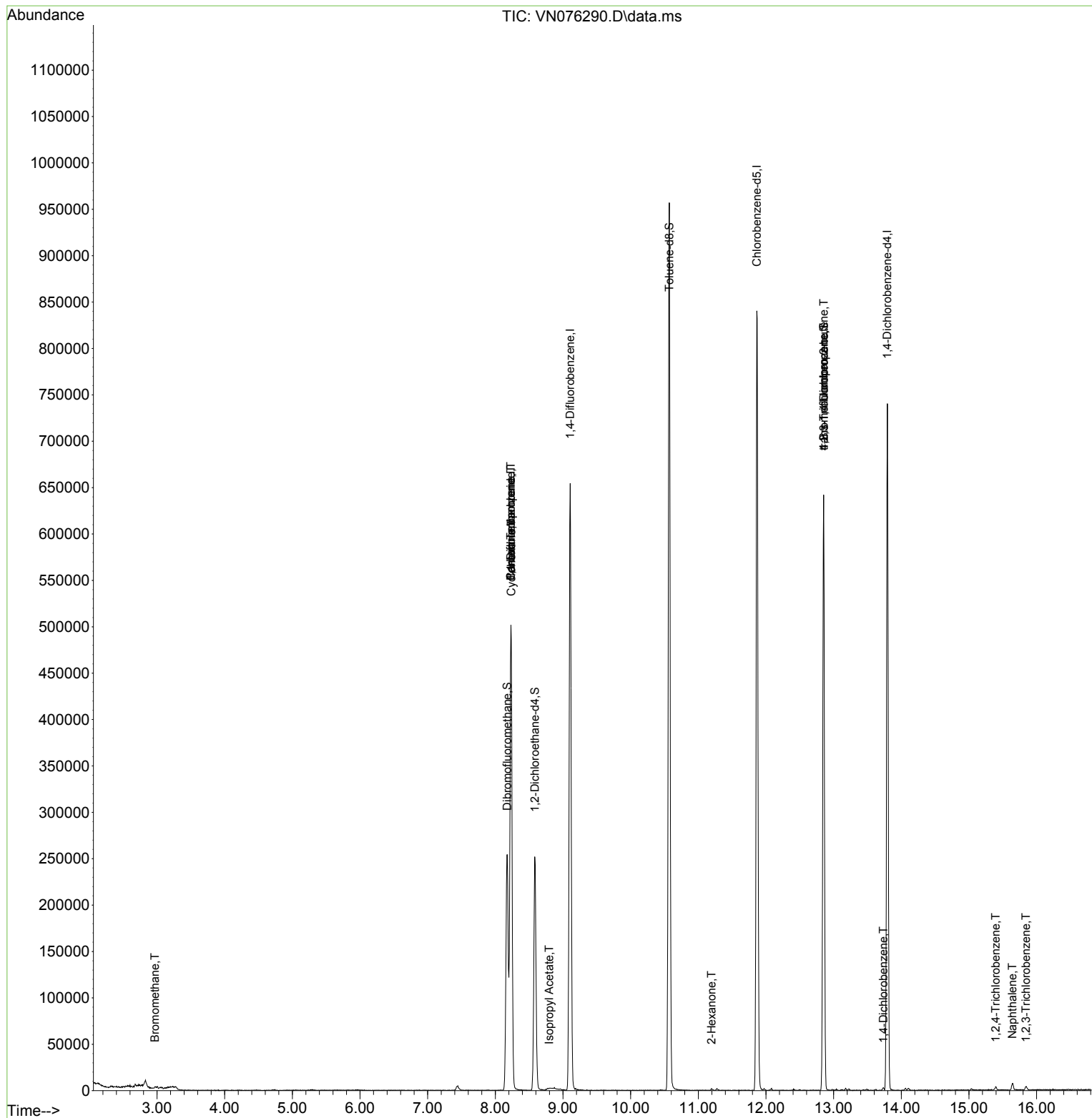
Internal Standards						
1) Pentafluorobenzene	8.230	168	389950	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.106	114	610925	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	519380	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.794	152	210307	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.582	65	202953	46.483	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery =	92.960%		
35) Dibromofluoromethane	8.177	113	185124	48.442	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	96.880%		
50) Toluene-d8	10.571	98	687038	48.679	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery =	97.360%		
62) 4-Bromofluorobenzene	12.853	95	211728	45.954	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery =	91.900%		
Target Compounds			Qvalue			
5) Bromomethane	2.971	94	831	0.200	ug/l #	60
20) Methylene Chloride	5.294	84	197	Below Cal	#	36
31) Cyclohexane	8.235	56	6994	1.043	ug/l #	10
36) 1,1-Dichloropropene	8.230	75	28358	5.222	ug/l #	48
38) Carbon Tetrachloride	8.230	117	38313	6.327	ug/l #	16
43) Isopropyl Acetate	8.794	43	2145	0.303	ug/l #	51
59) 2-Hexanone	11.194	43	1110	0.368	ug/l	79
76) 1,2,3-Trichloropropane	12.853	75	110385	28.402	ug/l #	1
77) Bromobenzene	12.976	156	180	Below Cal	#	1
81) trans-1,4-Dichloro-2-b...	12.853	75	110385	87.330	ug/l #	11
88) 1,4-Dichlorobenzene	13.735	146	1480	0.304	ug/l	92
93) 1,2,4-Trichlorobenzene	15.394	180	1714	1.757	ug/l	94
95) Naphthalene	15.641	128	7550	2.504	ug/l	98
96) 1,2,3-Trichlorobenzene	15.841	180	1690	1.623	ug/l	85

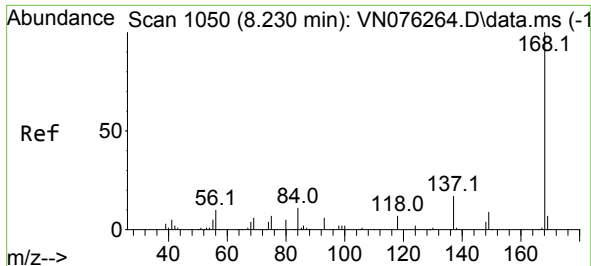
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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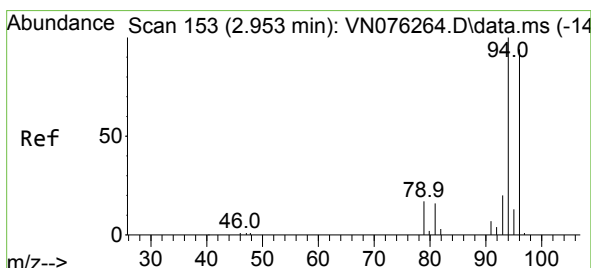
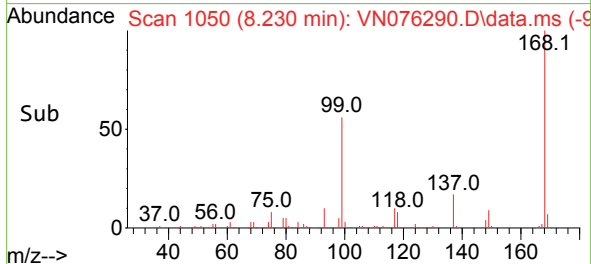
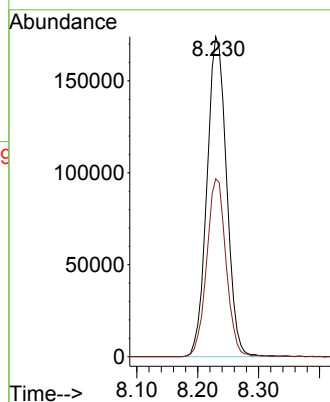
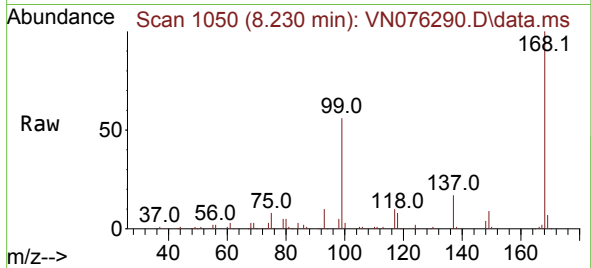




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.230 min Scan# 1050
Delta R.T. -0.000 min
Lab File: VN076290.D
Acq: 18 Jan 2023 11:34

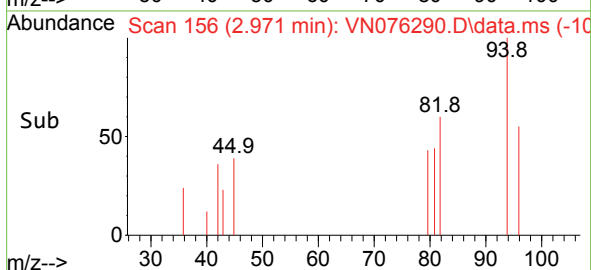
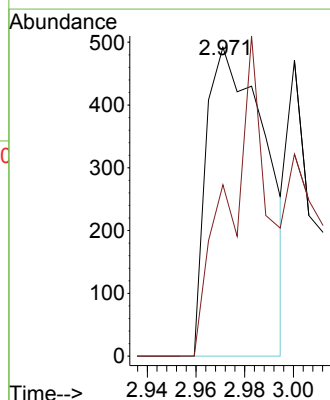
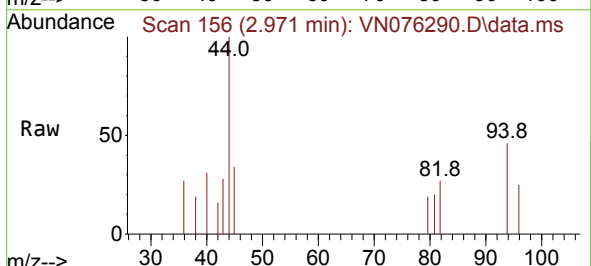
Instrument :
MSVOA_N
ClientSampleId :
VN0118WBL01

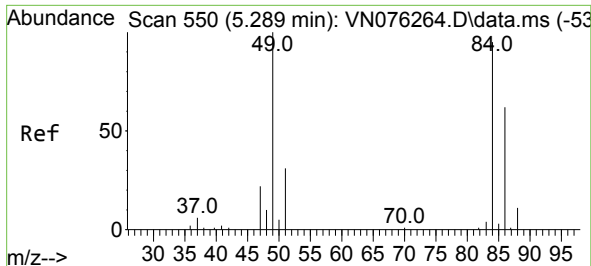
Tgt Ion:168 Resp: 389950
Ion Ratio Lower Upper
168 100
99 55.6 41.6 62.4



#5
Bromomethane
Concen: 0.200 ug/l
RT: 2.971 min Scan# 156
Delta R.T. 0.018 min
Lab File: VN076290.D
Acq: 18 Jan 2023 11:34

Tgt Ion: 94 Resp: 831
Ion Ratio Lower Upper
94 100
96 55.5 75.1 112.7#

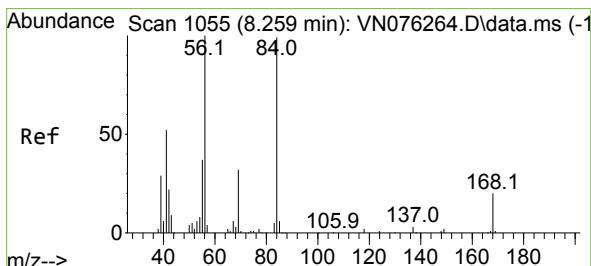
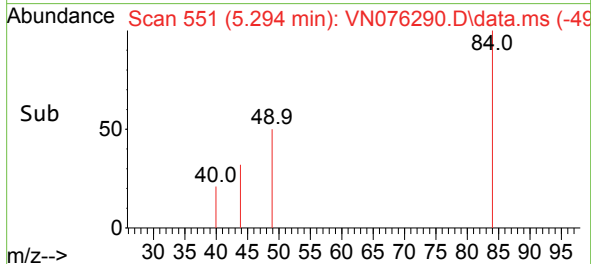
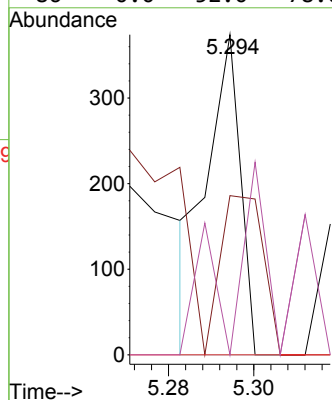
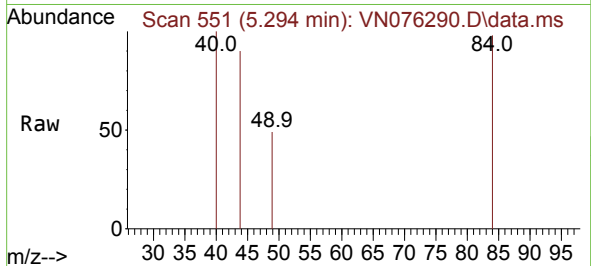




#20
Methylene Chloride
Concen: Below Cal
RT: 5.294 min Scan# 51
Delta R.T. 0.005 min
Lab File: VN076290.D
Acq: 18 Jan 2023 11:34

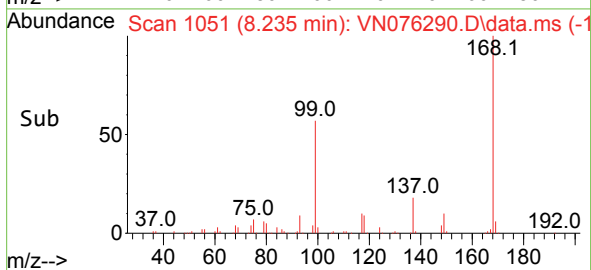
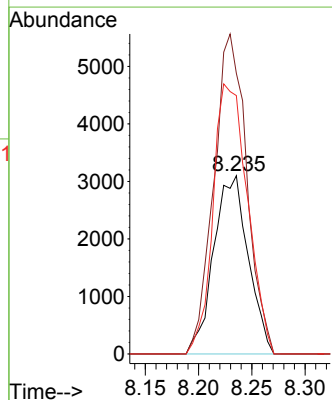
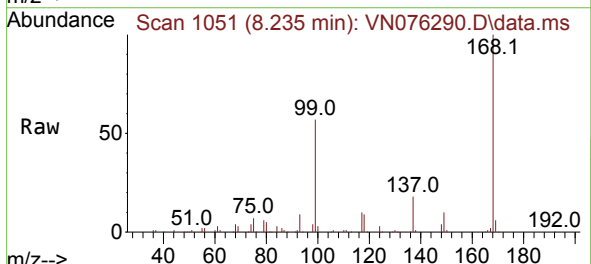
Instrument :
MSVOA_N
ClientSampleId :
VN0118WBL01

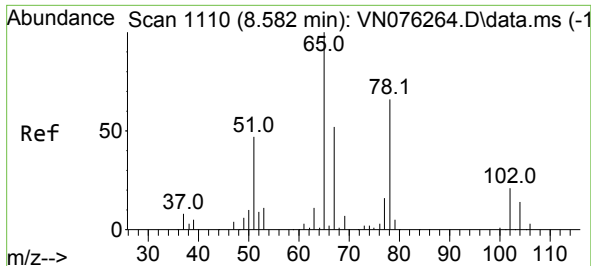
Tgt Ion:	84	Resp:	197
Ion	Ratio	Lower	Upper
84	100		
49	49.7	84.5	126.7#
51	0.0	26.0	39.0#
86	0.0	52.0	78.0#



#31
Cyclohexane
Concen: 1.043 ug/l
RT: 8.235 min Scan# 1051
Delta R.T. -0.024 min
Lab File: VN076290.D
Acq: 18 Jan 2023 11:34

Tgt Ion:	56	Resp:	6994
Ion	Ratio	Lower	Upper
56	100		
69	157.4	25.8	38.8#
84	144.9	79.0	118.4#





#33

1,2-Dichloroethane-d4

Concen: 46.483 ug/l

RT: 8.582 min Scan# 1110

Delta R.T. 0.000 min

Lab File: VN076290.D

Acq: 18 Jan 2023 11:34

Instrument :

MSVOA_N

ClientSampleId :

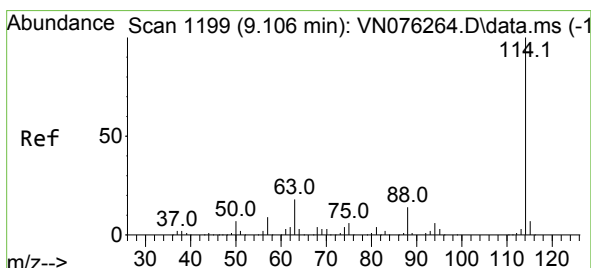
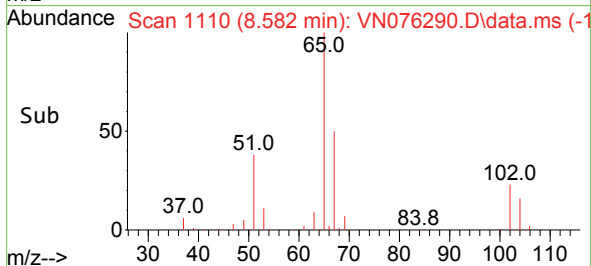
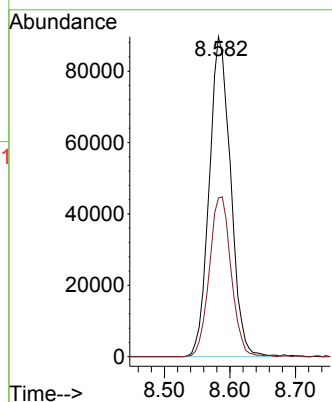
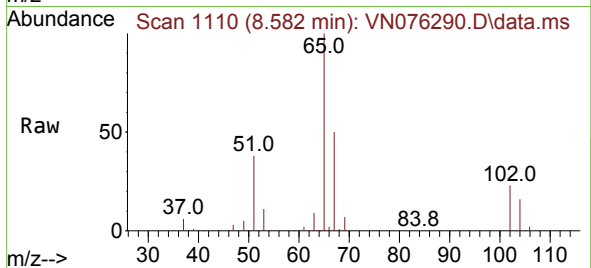
VN0118WBL01

Tgt Ion: 65 Resp: 202953

Ion Ratio Lower Upper

65 100

67 50.9 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: VN076290.D

Acq: 18 Jan 2023 11:34

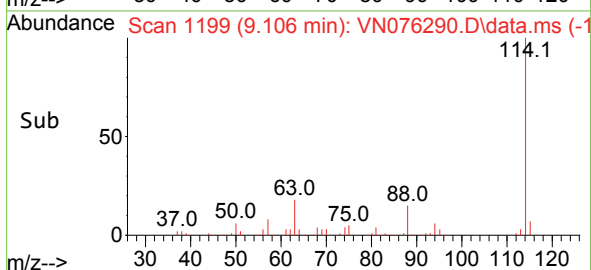
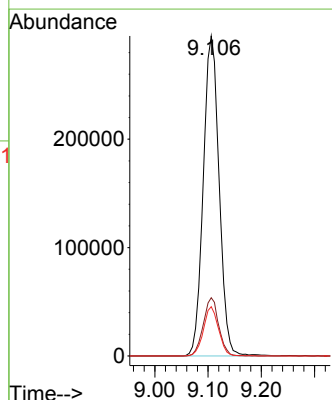
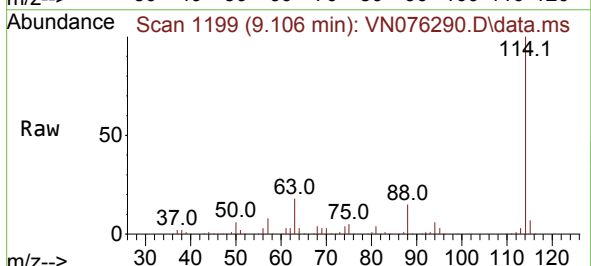
Tgt Ion: 114 Resp: 610925

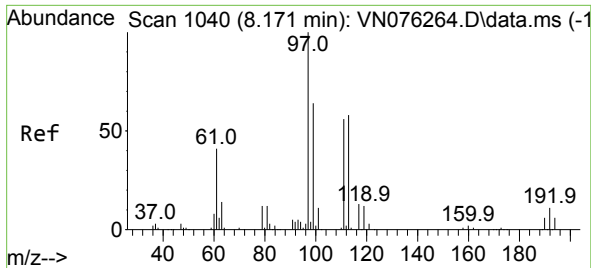
Ion Ratio Lower Upper

114 100

63 18.2 0.0 35.8

88 15.4 0.0 28.0

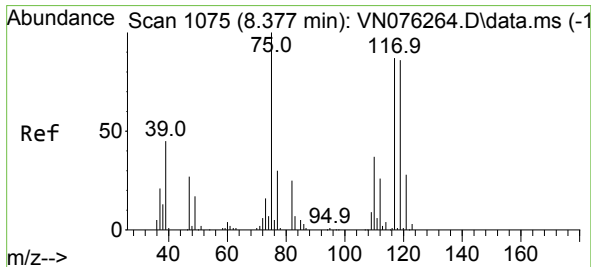
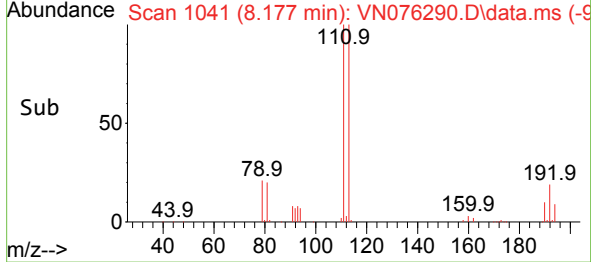
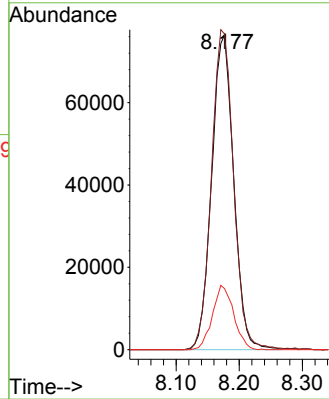
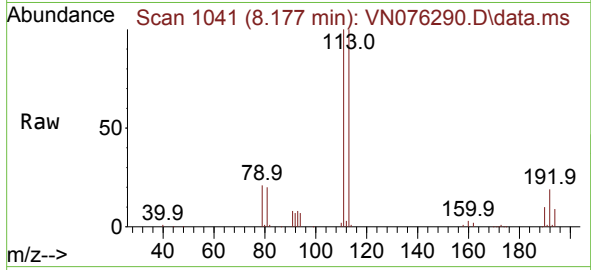




#35
Dibromofluoromethane
Concen: 48.442 ug/l
RT: 8.177 min Scan# 1040
Delta R.T. 0.006 min
Lab File: VN076290.D
Acq: 18 Jan 2023 11:34

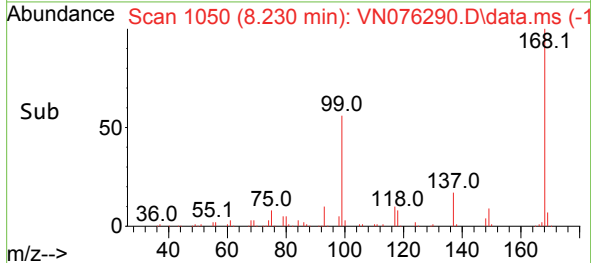
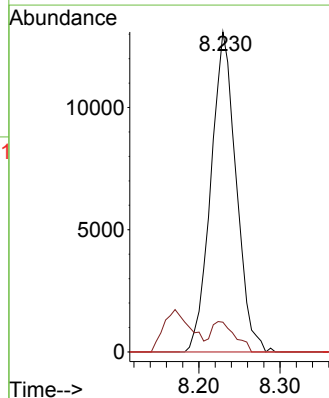
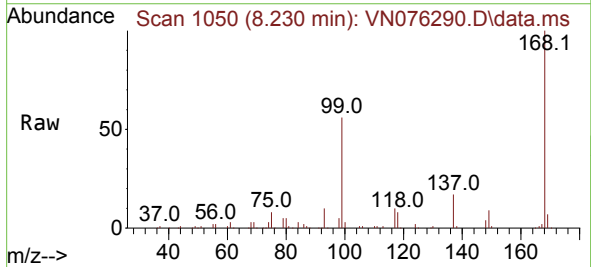
Instrument :
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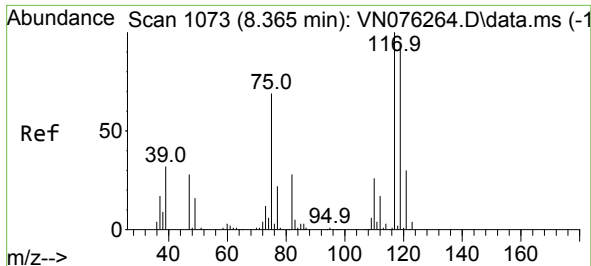
Tgt Ion:113 Resp: 185124
Ion Ratio Lower Upper
113 100
111 102.2 82.7 124.1
192 19.7 15.6 23.4



#36
1,1-Dichloropropene
Concen: 5.222 ug/l
RT: 8.230 min Scan# 1050
Delta R.T. -0.147 min
Lab File: VN076290.D
Acq: 18 Jan 2023 11:34

Tgt Ion: 75 Resp: 28358
Ion Ratio Lower Upper
75 100
110 9.0 18.8 56.3#
77 0.0 25.0 37.4#

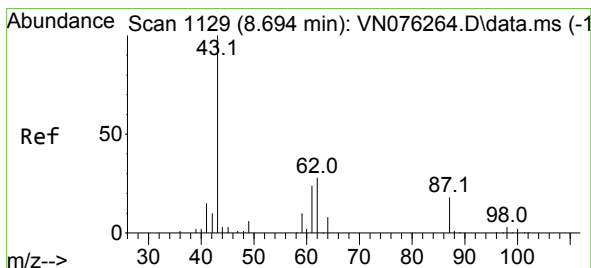
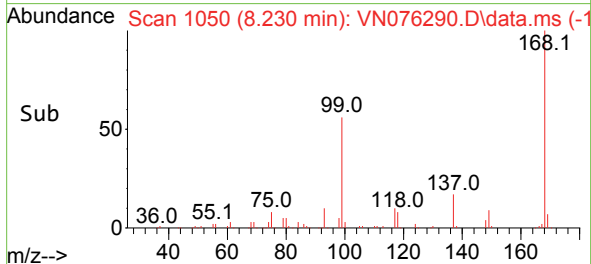
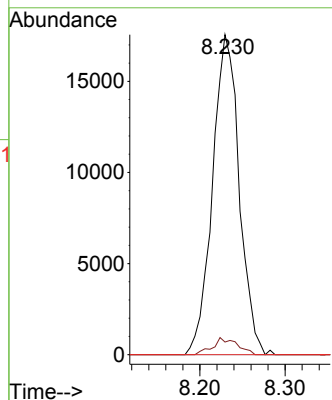
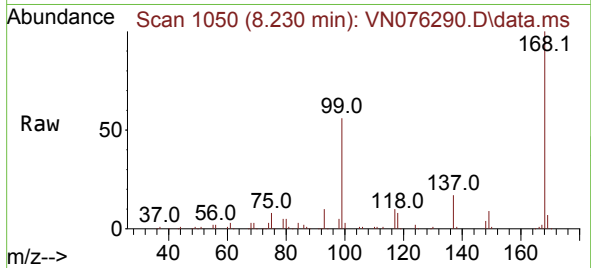




#38
Carbon Tetrachloride
Concen: 6.327 ug/l
RT: 8.230 min Scan# 110
Delta R.T. -0.135 min
Lab File: VN076290.D
Acq: 18 Jan 2023 11:34

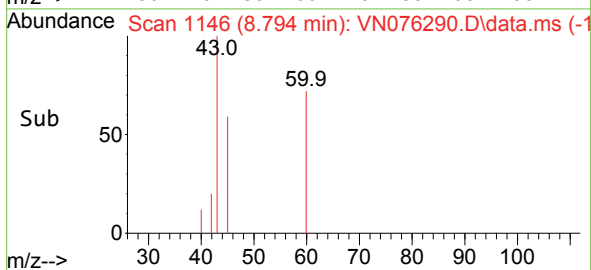
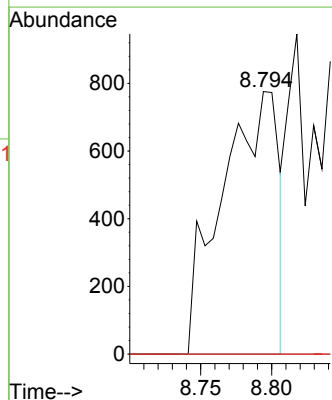
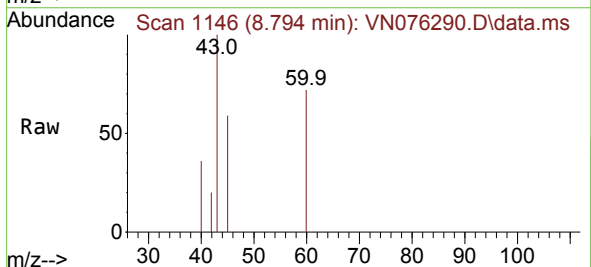
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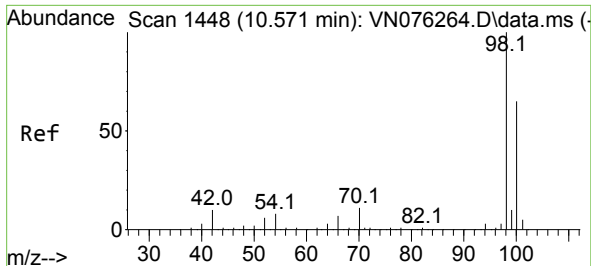
Tgt Ion:117 Resp: 38313
Ion Ratio Lower Upper
117 100
119 4.0 75.4 113.0#
121 0.0 24.2 36.2#



#43
Isopropyl Acetate
Concen: 0.303 ug/l
RT: 8.794 min Scan# 1146
Delta R.T. 0.100 min
Lab File: VN076290.D
Acq: 18 Jan 2023 11:34

Tgt Ion: 43 Resp: 2145
Ion Ratio Lower Upper
43 100
61 0.0 23.5 35.3#
87 0.0 13.8 20.6#

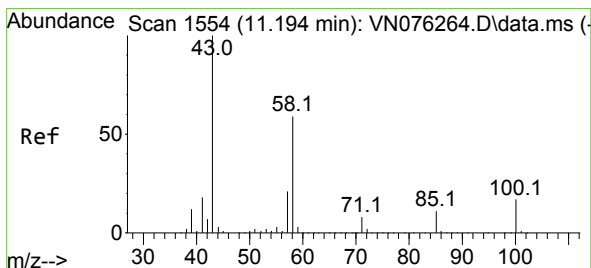
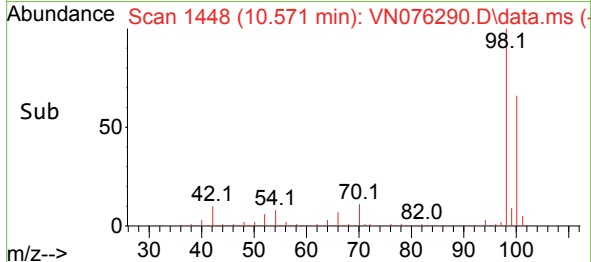
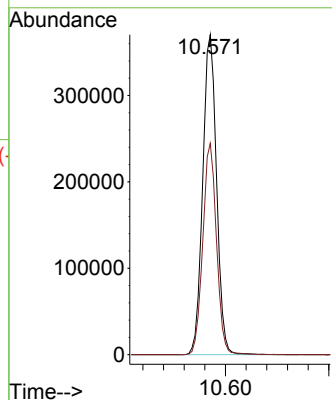
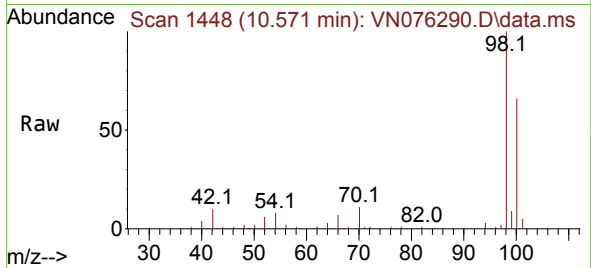




#50
Toluene-d8
Concen: 48.679 ug/l
RT: 10.571 min Scan# 1448
Delta R.T. -0.000 min
Lab File: VN076290.D
Acq: 18 Jan 2023 11:34

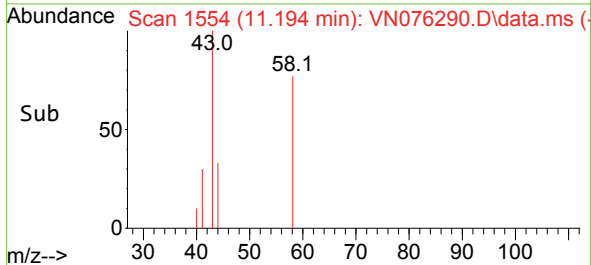
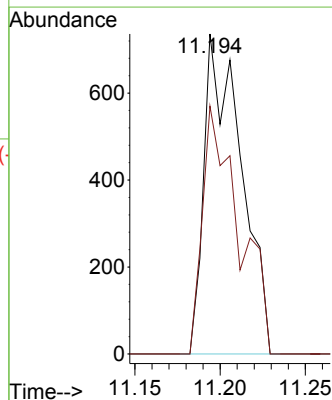
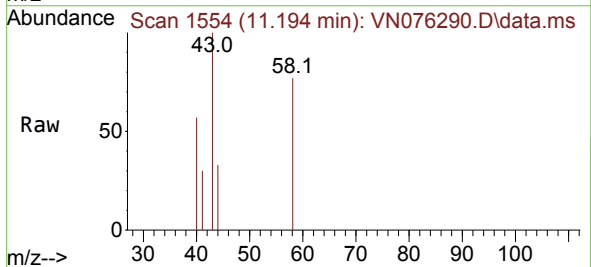
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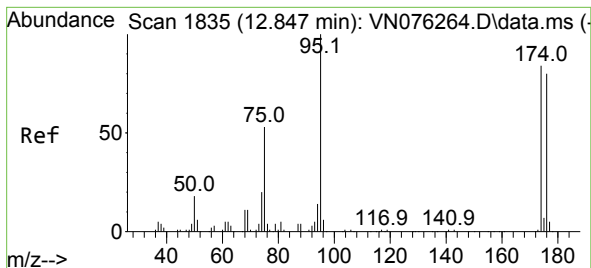
Tgt Ion: 98 Resp: 687038
Ion Ratio Lower Upper
98 100
100 65.4 52.2 78.4



#59
2-Hexanone
Concen: 0.368 ug/l
RT: 11.194 min Scan# 1554
Delta R.T. 0.000 min
Lab File: VN076290.D
Acq: 18 Jan 2023 11:34

Tgt Ion: 43 Resp: 1110
Ion Ratio Lower Upper
43 100
58 76.3 30.1 90.3

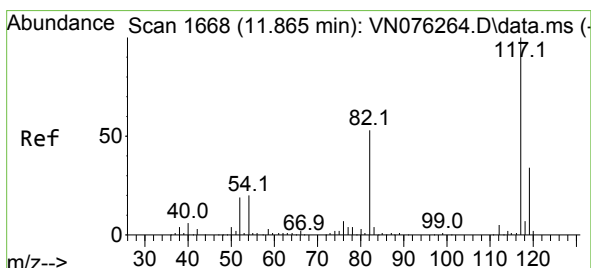
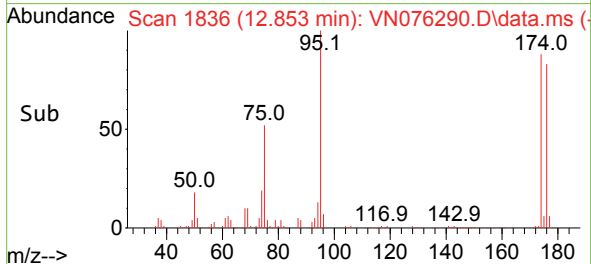
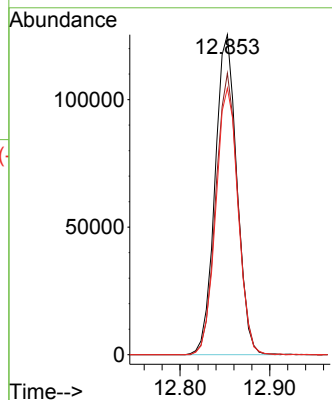
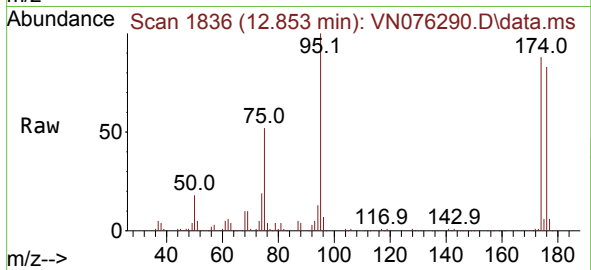




#62
4-Bromofluorobenzene
Concen: 45.954 ug/l
RT: 12.853 min Scan# 1836
Delta R.T. 0.006 min
Lab File: VN076290.D
Acq: 18 Jan 2023 11:34

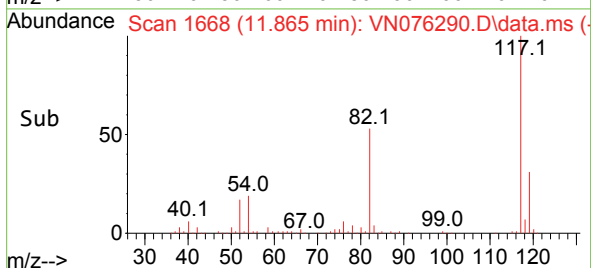
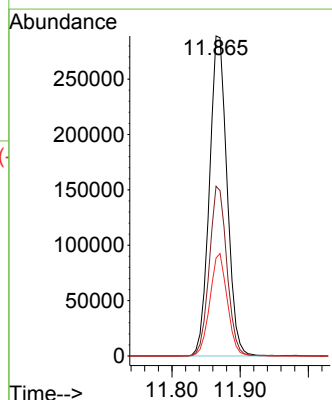
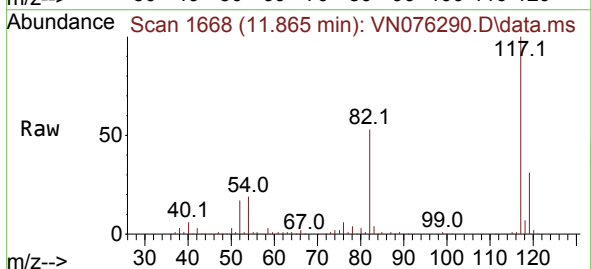
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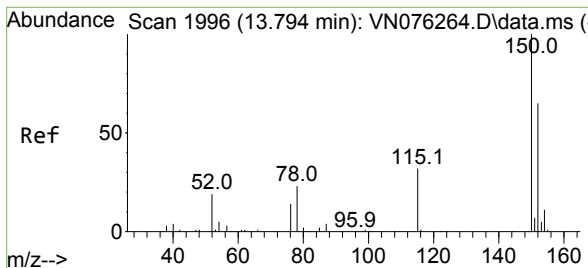
Tgt Ion: 95 Resp: 211728
Ion Ratio Lower Upper
95 100
174 88.8 0.0 174.6
176 85.2 0.0 167.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.865 min Scan# 1668
Delta R.T. -0.000 min
Lab File: VN076290.D
Acq: 18 Jan 2023 11:34

Tgt Ion: 117 Resp: 519380
Ion Ratio Lower Upper
117 100
82 53.0 42.2 63.2
119 30.6 26.9 40.3





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.794 min Scan# 1996

Delta R.T. -0.000 min

Lab File: VN076290.D

Acq: 18 Jan 2023 11:34

Instrument :

MSVOA_N

ClientSampleId :

VN0118WBL01

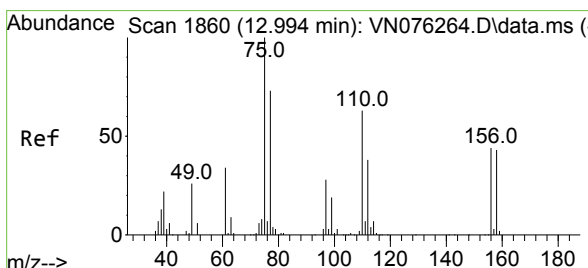
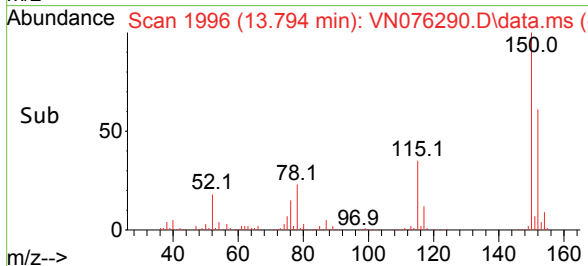
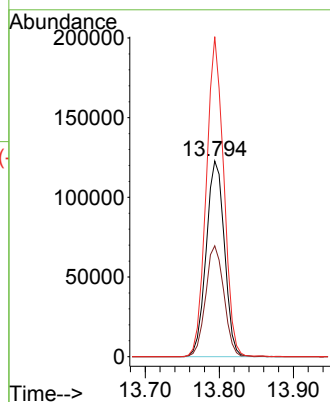
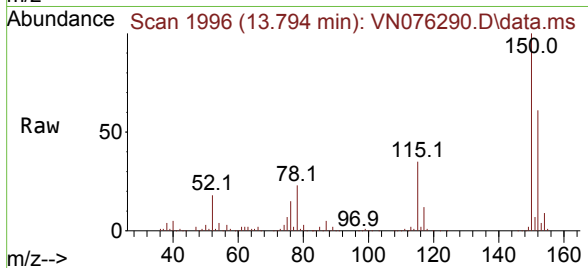
Tgt Ion:152 Resp: 210307

Ion Ratio Lower Upper

152 100

115 56.9 29.6 88.9

150 156.0 0.0 351.4



#76

1,2,3-Trichloropropane

Concen: 28.402 ug/l

RT: 12.853 min Scan# 1836

Delta R.T. -0.141 min

Lab File: VN076290.D

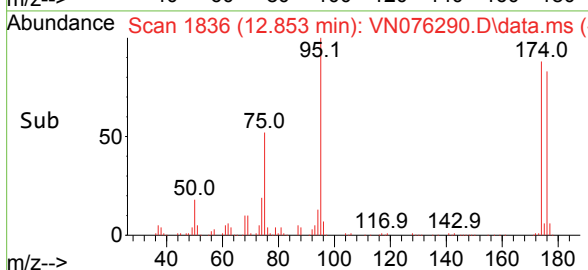
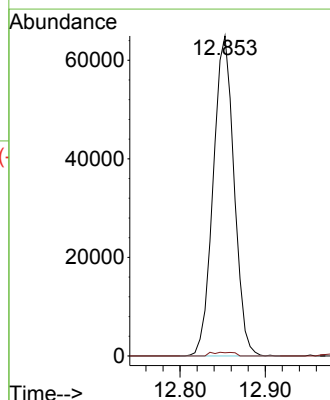
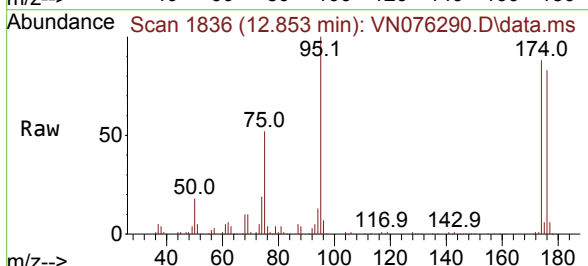
Acq: 18 Jan 2023 11:34

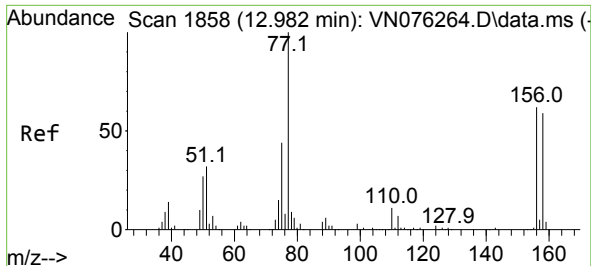
Tgt Ion: 75 Resp: 110385

Ion Ratio Lower Upper

75 100

77 1.3 75.2 225.6#

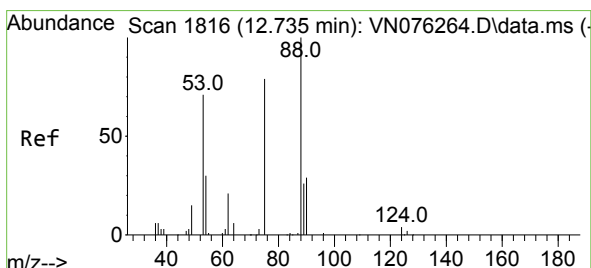
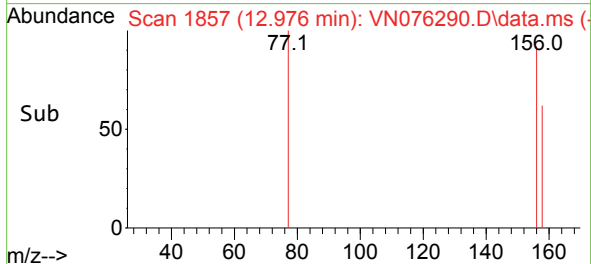
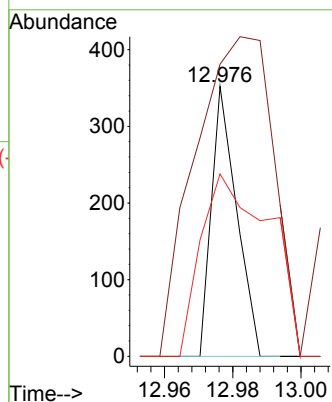
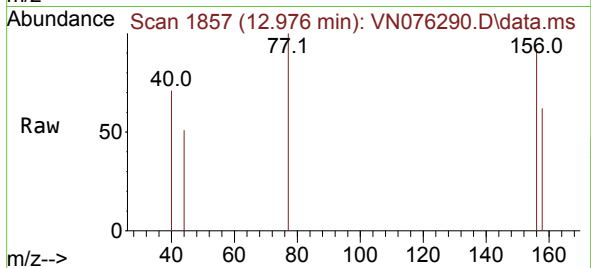




#77
Bromobenzene
Concen: Below Cal
RT: 12.976 min Scan# 1857
Delta R.T. -0.006 min
Lab File: VN076290.D
Acq: 18 Jan 2023 11:34

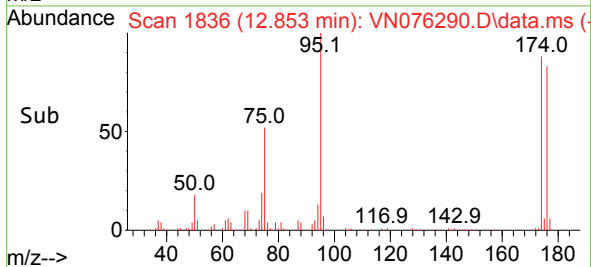
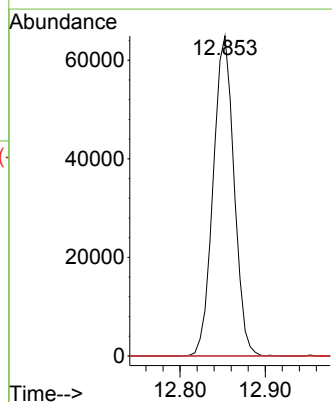
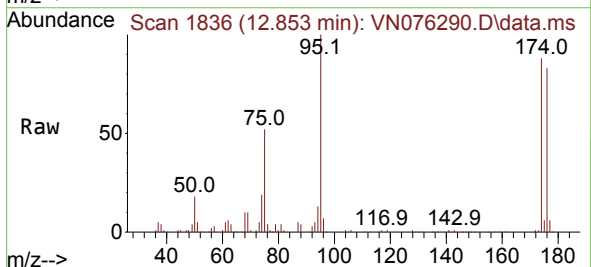
Instrument :
MSVOA_N
ClientSampleId :
VN0118WBL01

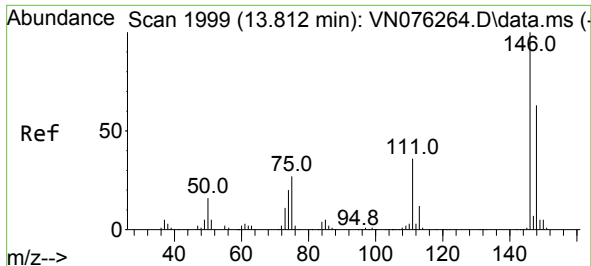
Tgt Ion:156 Resp: 180
Ion Ratio Lower Upper
156 100
77 402.8 93.4 280.2#
158 184.4 48.4 145.2#



#81
trans-1,4-Dichloro-2-butene
Concen: 87.330 ug/l
RT: 12.853 min Scan# 1836
Delta R.T. 0.118 min
Lab File: VN076290.D
Acq: 18 Jan 2023 11:34

Tgt Ion: 75 Resp: 110385
Ion Ratio Lower Upper
75 100
53 0.0 75.8 113.8#
89 0.0 37.0 55.6#

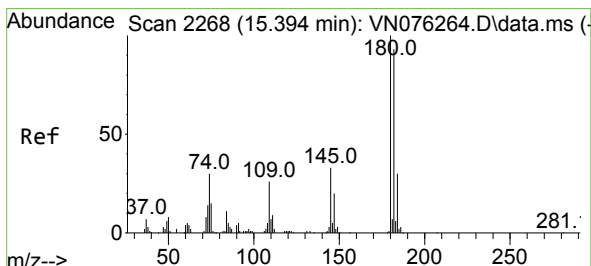
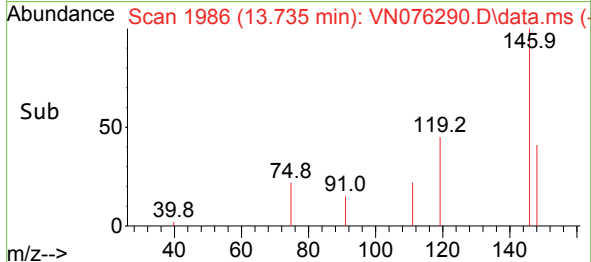
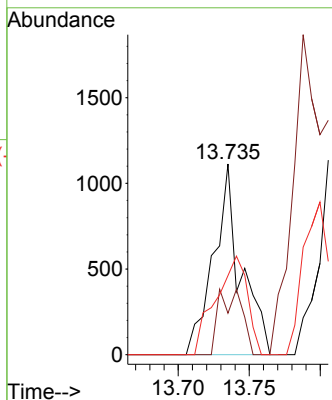
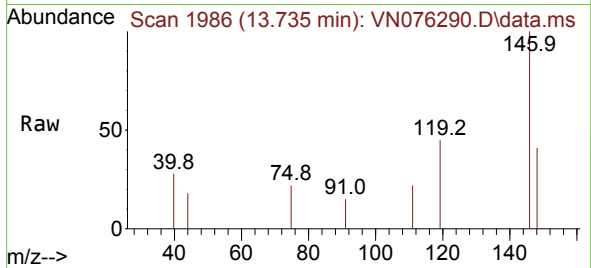




#88
 1,4-Dichlorobenzene
 Concen: 0.304 ug/l
 RT: 13.735 min Scan# 1999
 Delta R.T. -0.077 min
 Lab File: VN076290.D
 Acq: 18 Jan 2023 11:34

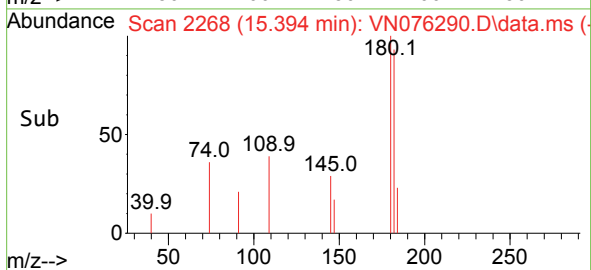
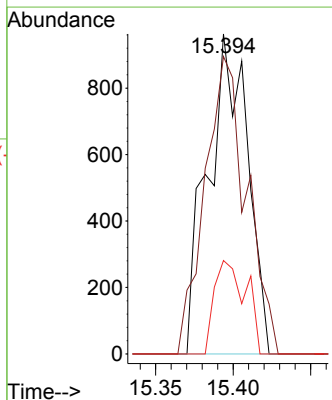
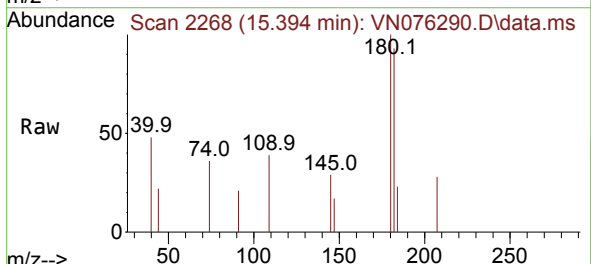
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0118WBL01

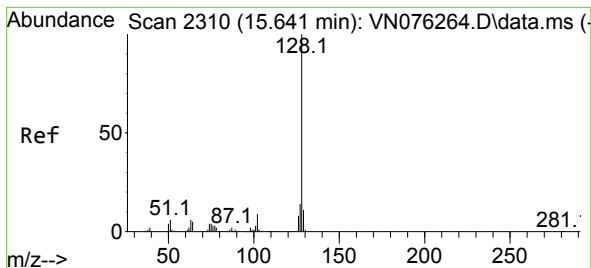
Tgt Ion:146 Resp: 1480
 Ion Ratio Lower Upper
 146 100
 111 29.2 19.1 57.5
 148 60.3 31.9 95.9



#93
 1,2,4-Trichlorobenzene
 Concen: 1.757 ug/l
 RT: 15.394 min Scan# 2268
 Delta R.T. -0.000 min
 Lab File: VN076290.D
 Acq: 18 Jan 2023 11:34

Tgt Ion:180 Resp: 1714
 Ion Ratio Lower Upper
 180 100
 182 97.7 47.0 141.2
 145 23.2 15.2 45.5





#95

Naphthalene

Concen: 2.504 ug/l

RT: 15.641 min Scan# 2310

Delta R.T. -0.000 min

Lab File: VN076290.D

Acq: 18 Jan 2023 11:34

Instrument :

MSVOA_N

ClientSampleId :

VN0118WBL01

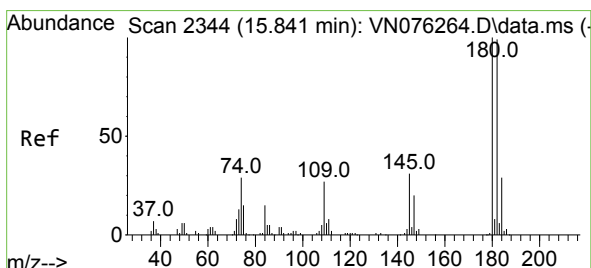
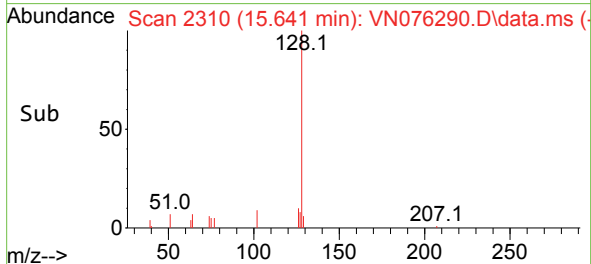
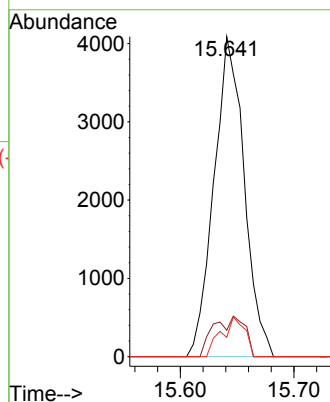
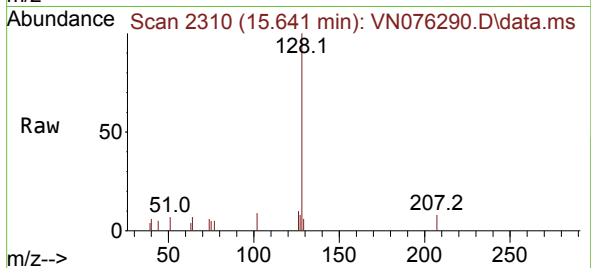
Tgt Ion:128 Resp: 7550

Ion Ratio Lower Upper

128 100

127 13.1 10.3 15.5

129 9.6 8.6 13.0



#96

1,2,3-Trichlorobenzene

Concen: 1.623 ug/l

RT: 15.841 min Scan# 2344

Delta R.T. -0.000 min

Lab File: VN076290.D

Acq: 18 Jan 2023 11:34

Tgt Ion:180 Resp: 1690

Ion Ratio Lower Upper

180 100

182 105.0 47.5 142.5

145 16.6 15.9 47.6

