

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN071323\
 Data File : VN078503.D
 Acq On : 13 Jul 2023 17:02
 Operator : JC\MD
 Sample : 03611-01RE
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 BP-TB-20230712

Quant Time: Jul 14 01:36:16 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N071023W.M
 Quant Title : SW846 8260
 QLast Update : Mon Jul 10 16:13:53 2023
 Response via : Initial Calibration

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

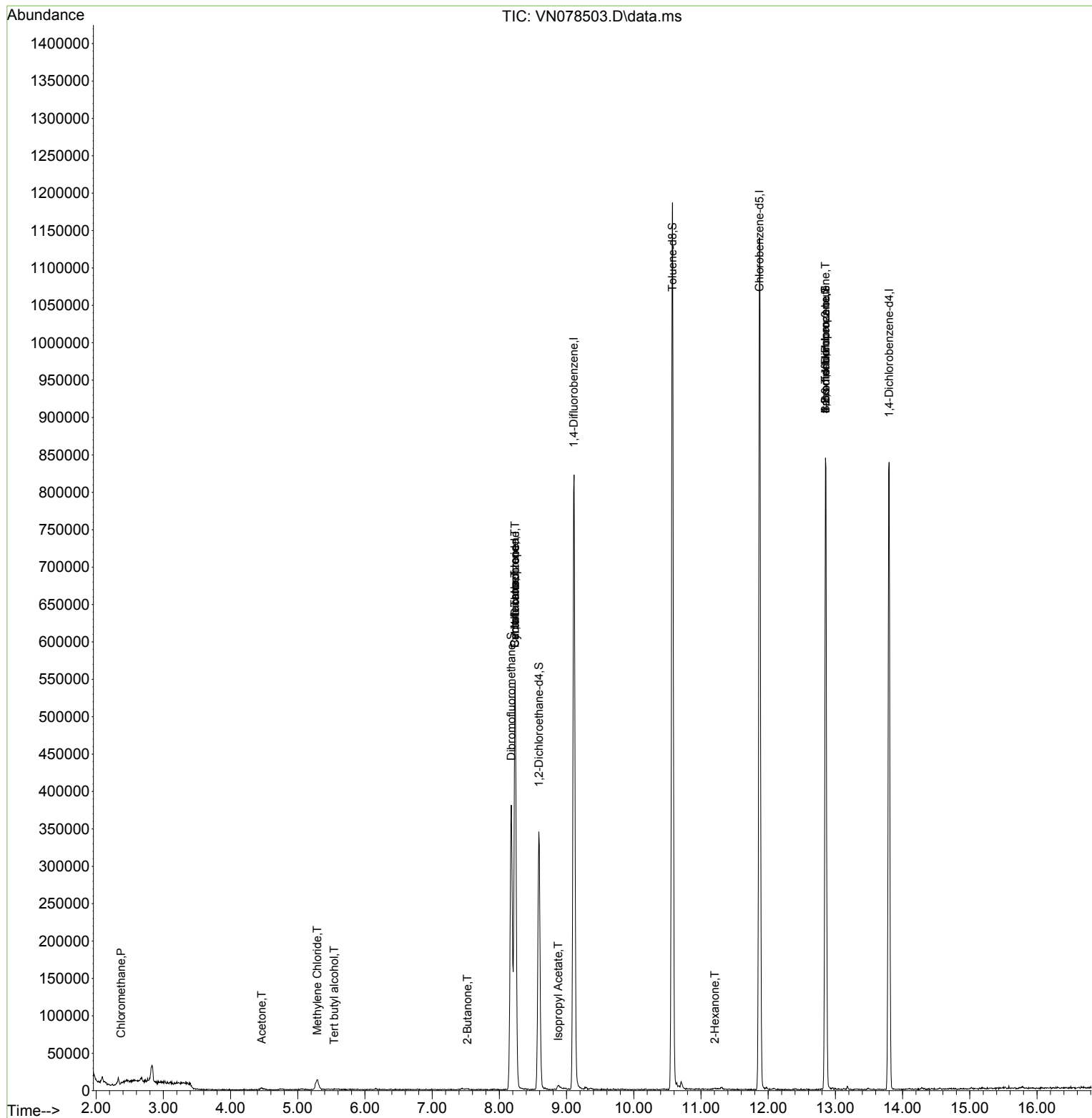
Internal Standards						
1) Pentafluorobenzene	8.230	168	405414	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.106	114	728888	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.871	117	690909	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.800	152	235847	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.588	65	278195	51.186	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 102.380%			
35) Dibromofluoromethane	8.177	113	274391	55.456	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 110.920%			
50) Toluene-d8	10.577	98	848239	45.380	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 90.760%			
62) 4-Bromofluorobenzene	12.853	95	292034	50.723	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery = 101.440%			
Target Compounds						Qvalue
3) Chloromethane	2.371	50	1831	0.339	ug/l #	63
5) Bromomethane	2.977	94	1612	Below Cal	#	78
6) Chloroethane	3.136	64	350	Below Cal	#	43
11) Tert butyl alcohol	5.542	59	319	0.381	ug/l #	72
16) Acetone	4.465	43	4109	2.427	ug/l	92
20) Methylene Chloride	5.289	84	10928	1.053	ug/l #	91
25) 2-Butanone	7.524	43	2384	0.895	ug/l #	37
31) Cyclohexane	8.230	56	8753	1.192	ug/l #	25
36) 1,1-Dichloropropene	8.236	75	33704	4.718	ug/l #	42
38) Carbon Tetrachloride	8.230	117	41687	5.369	ug/l #	15
43) Isopropyl Acetate	8.877	43	6493	0.662	ug/l #	49
59) 2-Hexanone	11.206	43	956	0.231	ug/l #	52
71) Bromoform	12.853	173	2105	0.523	ug/l #	1
75) 1,1,2,2-Tetrachloroethane	12.876	83	65	Below Cal	#	26
76) 1,2,3-Trichloropropane	12.853	75	155012	27.192	ug/l #	1
77) Bromobenzene	12.865	156	59	Below Cal	#	1
81) trans-1,4-Dichloro-2-b...	12.853	75	155012	71.455	ug/l #	15
92) 1,2-Dibromo-3-Chloropr...	14.723	75	72	Below Cal	#	4

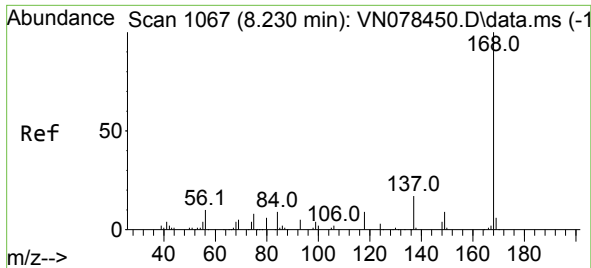
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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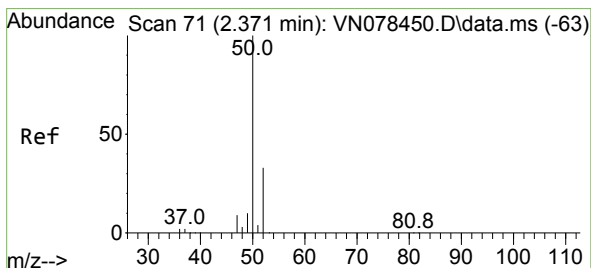
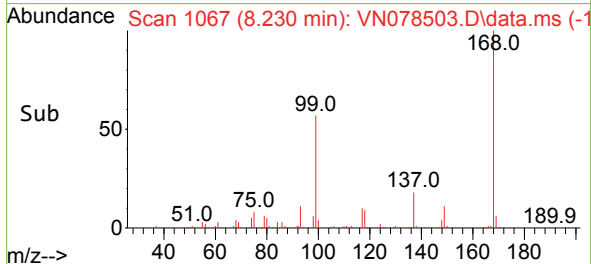
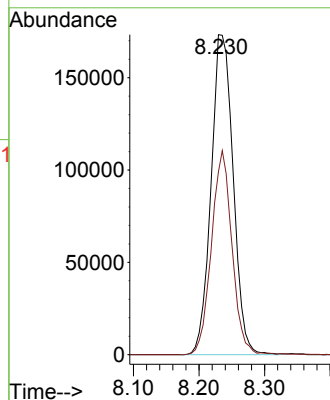
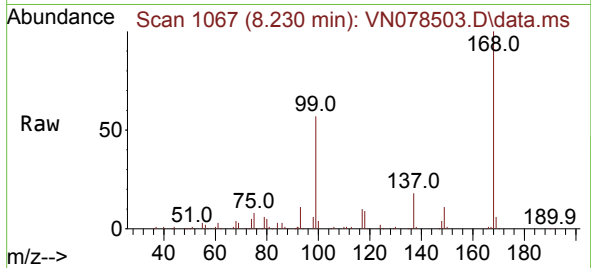




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.230 min Scan# 1067
Delta R.T. -0.000 min
Lab File: VN078503.D
Acq: 13 Jul 2023 17:02

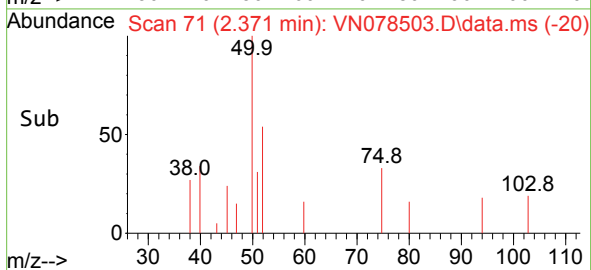
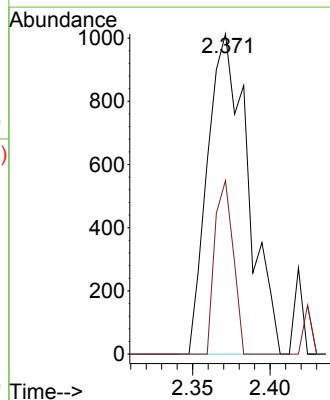
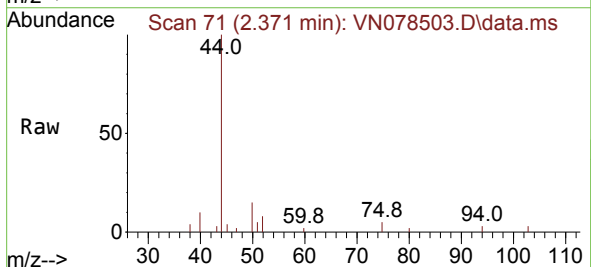
Instrument :
MSVOA_N
ClientSampleId :
BP-TB-20230712

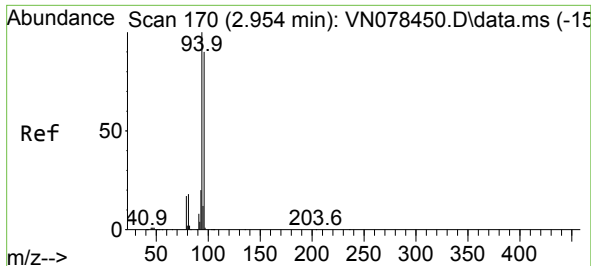
Tgt Ion:168 Resp: 405414
Ion Ratio Lower Upper
168 100
99 57.2 53.0 79.6



#3
Chloromethane
Concen: 0.339 ug/l
RT: 2.371 min Scan# 71
Delta R.T. 0.000 min
Lab File: VN078503.D
Acq: 13 Jul 2023 17:02

Tgt Ion: 50 Resp: 1831
Ion Ratio Lower Upper
50 100
52 54.2 26.5 39.7#

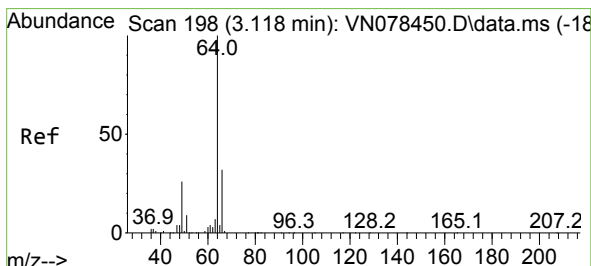
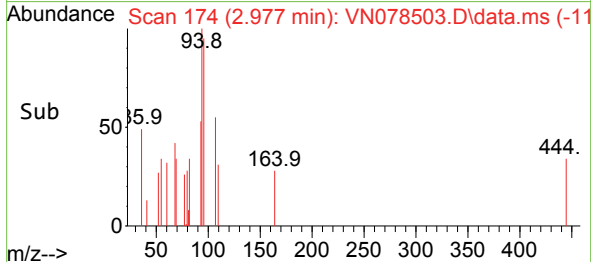
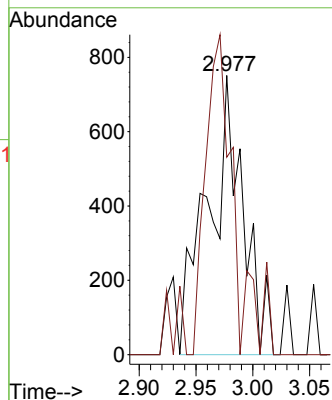
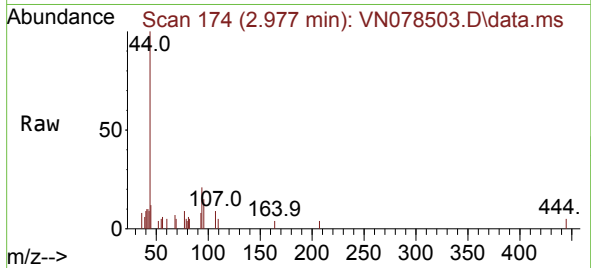




#5
Bromomethane
Concen: Below Cal
RT: 2.977 min Scan# 11
Delta R.T. 0.023 min
Lab File: VN078503.D
Acq: 13 Jul 2023 17:02

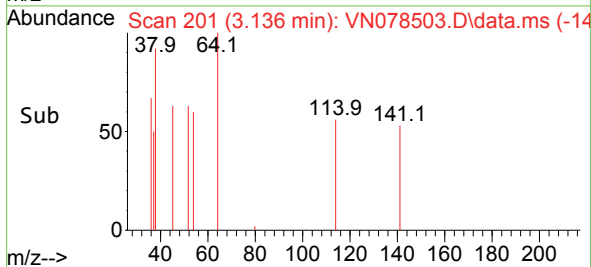
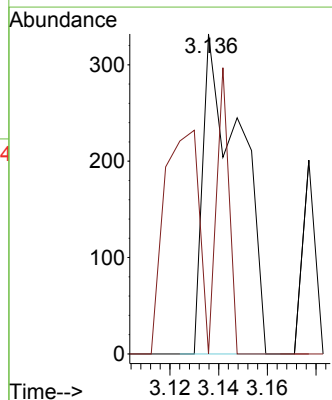
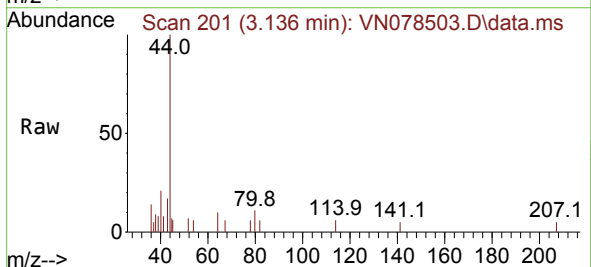
Instrument :
MSVOA_N
ClientSampleId :
BP-TB-20230712

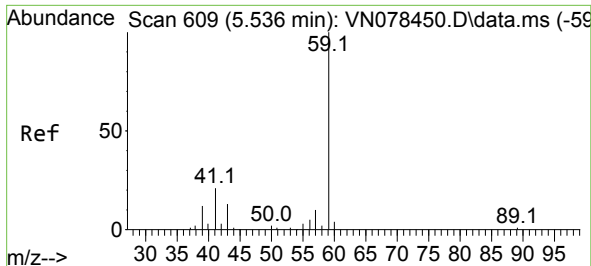
Tgt Ion: 94 Resp: 1612
Ion Ratio Lower Upper
94 100
96 70.7 73.1 109.7#



#6
Chloroethane
Concen: Below Cal
RT: 3.136 min Scan# 201
Delta R.T. 0.018 min
Lab File: VN078503.D
Acq: 13 Jul 2023 17:02

Tgt Ion: 64 Resp: 350
Ion Ratio Lower Upper
64 100
66 0.0 25.4 38.2#

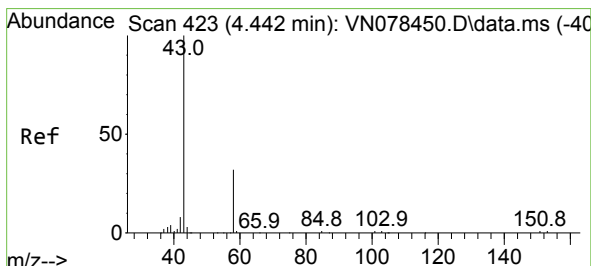
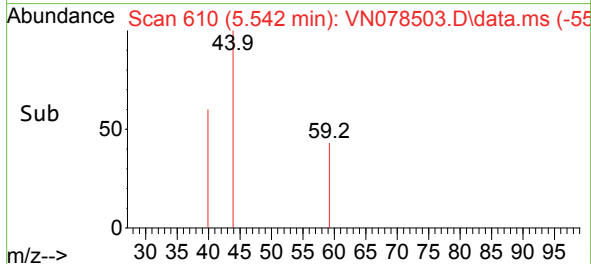
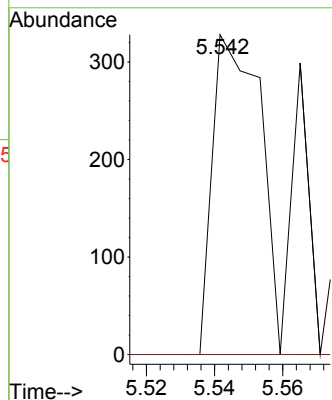
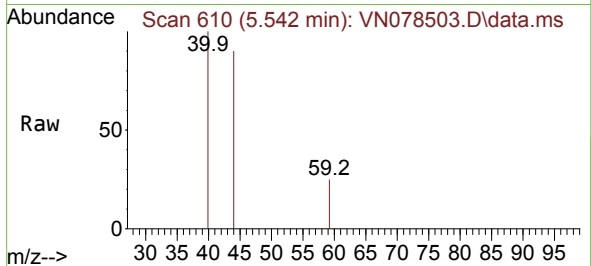




#11
Tert butyl alcohol
Concen: 0.381 ug/l
RT: 5.542 min Scan# 610
Delta R.T. 0.006 min
Lab File: VN078503.D
Acq: 13 Jul 2023 17:02

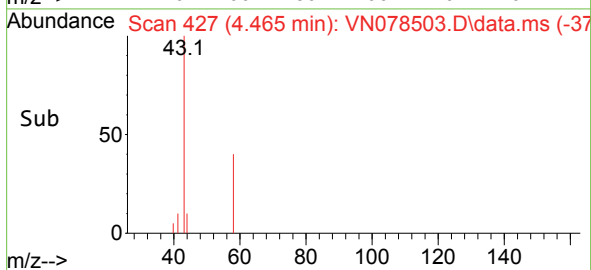
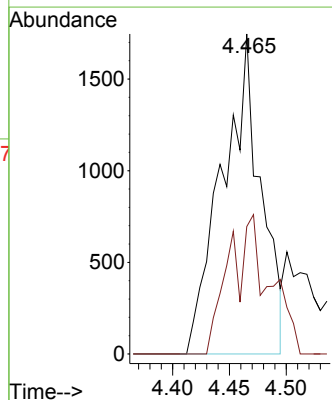
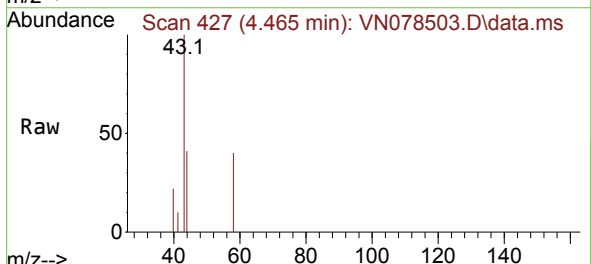
Instrument :
MSVOA_N
ClientSampleId :
BP-TB-20230712

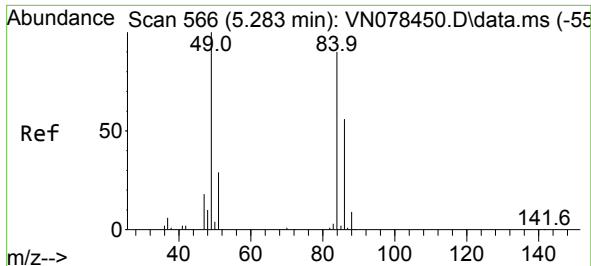
Tgt Ion: 59 Resp: 319
Ion Ratio Lower Upper
59 100
57 0.0 8.2 12.4#



#16
Acetone
Concen: 2.427 ug/l
RT: 4.465 min Scan# 427
Delta R.T. 0.023 min
Lab File: VN078503.D
Acq: 13 Jul 2023 17:02

Tgt Ion: 43 Resp: 4109
Ion Ratio Lower Upper
43 100
58 39.8 28.0 42.0

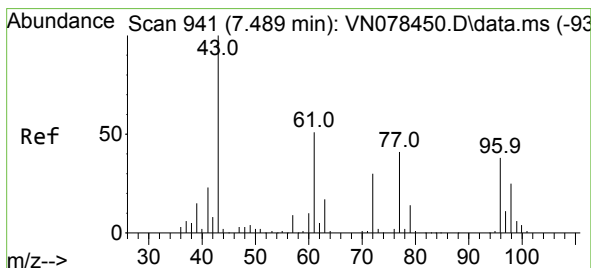
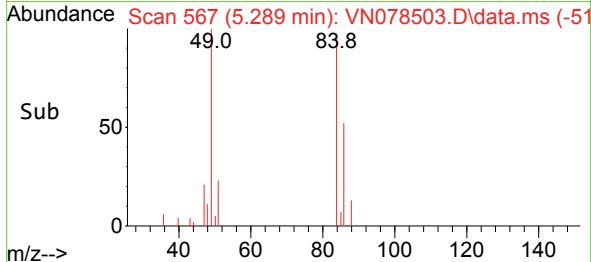
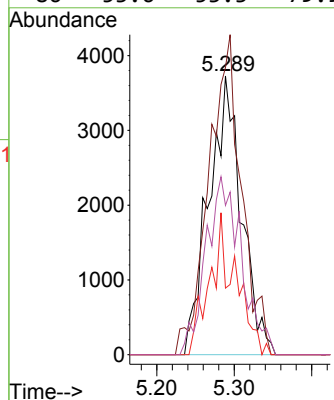
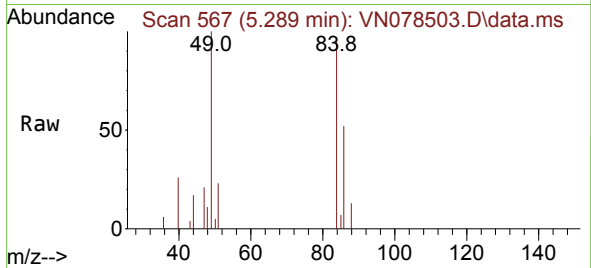




#20
Methylene Chloride
Concen: 1.053 ug/l
RT: 5.289 min Scan# 51
Delta R.T. 0.006 min
Lab File: VN078503.D
Acq: 13 Jul 2023 17:02

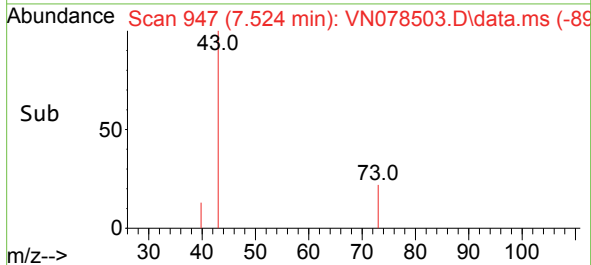
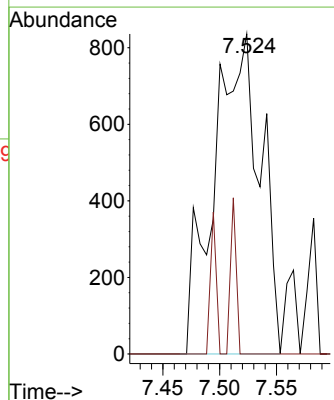
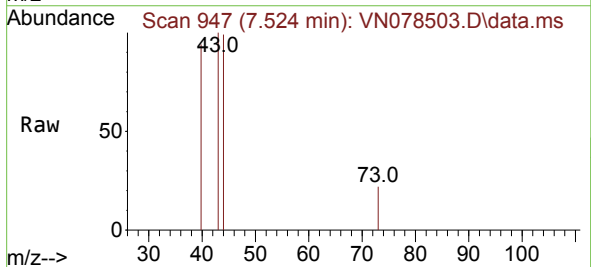
Instrument :
MSVOA_N
ClientSampleId :
BP-TB-20230712

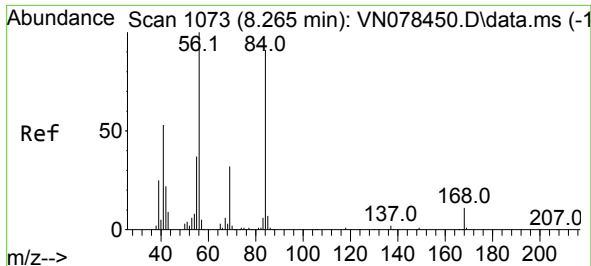
Tgt Ion:	84	Resp:	10928
Ion	Ratio	Lower	Upper
84	100		
49	103.1	79.7	119.5
51	23.9	25.2	37.8#
86	53.6	53.3	79.9



#25
2-Butanone
Concen: 0.895 ug/l
RT: 7.524 min Scan# 947
Delta R.T. 0.035 min
Lab File: VN078503.D
Acq: 13 Jul 2023 17:02

Tgt Ion:	43	Resp:	2384
Ion	Ratio	Lower	Upper
43	100		
72	0.0	30.2	45.2#

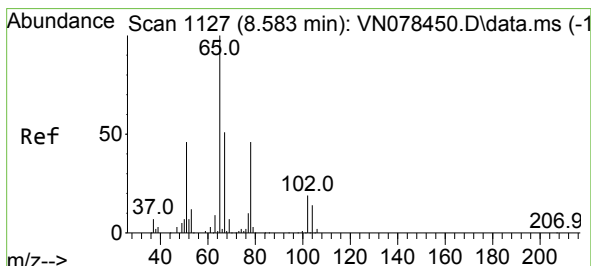
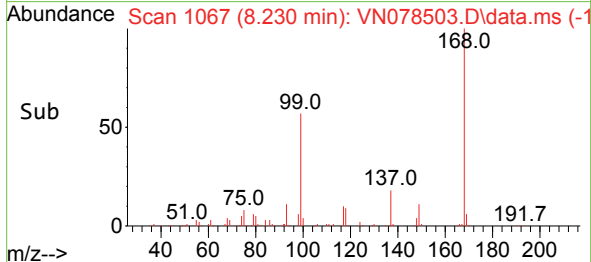
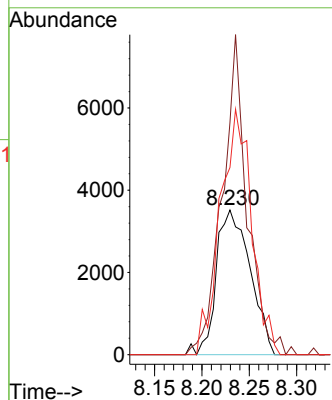
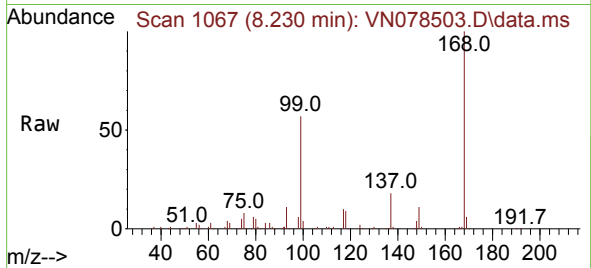




#31
Cyclohexane
Concen: 1.192 ug/l
RT: 8.230 min Scan# 1067
Delta R.T. -0.035 min
Lab File: VN078503.D
Acq: 13 Jul 2023 17:02

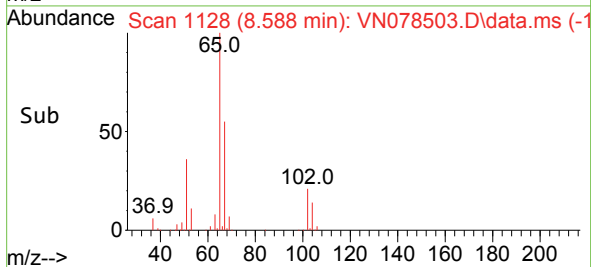
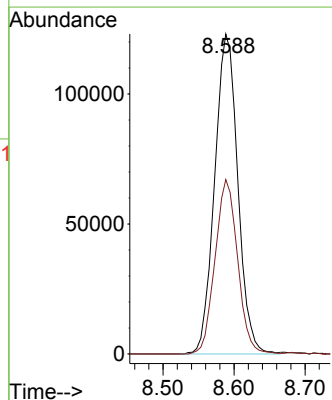
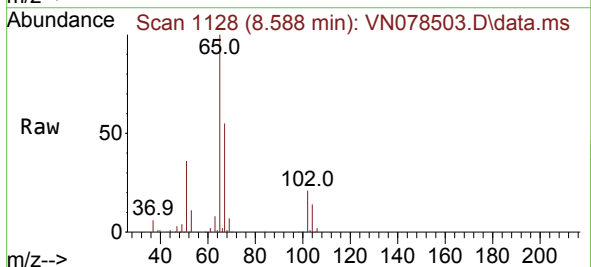
Instrument :
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BP-TB-20230712

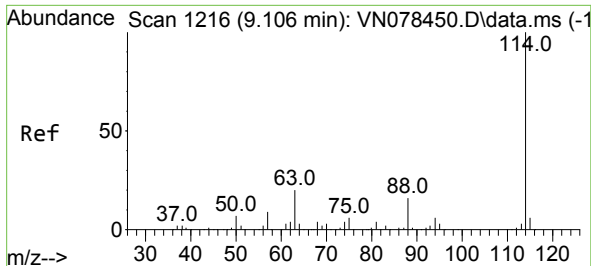
Tgt Ion: 56 Resp: 8753
Ion Ratio Lower Upper
56 100
69 160.5 26.8 40.2#
84 129.4 81.8 122.6#



#33
1,2-Dichloroethane-d4
Concen: 51.186 ug/l
RT: 8.588 min Scan# 1128
Delta R.T. 0.005 min
Lab File: VN078503.D
Acq: 13 Jul 2023 17:02

Tgt Ion: 65 Resp: 278195
Ion Ratio Lower Upper
65 100
67 53.1 0.0 106.6

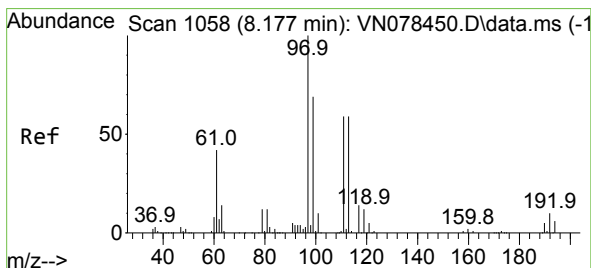
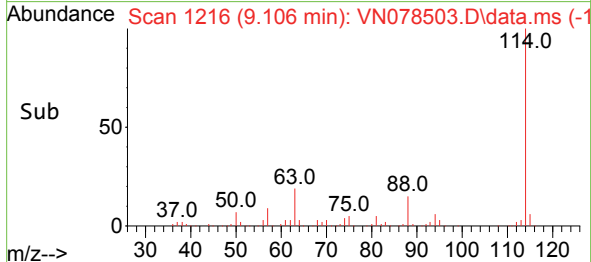
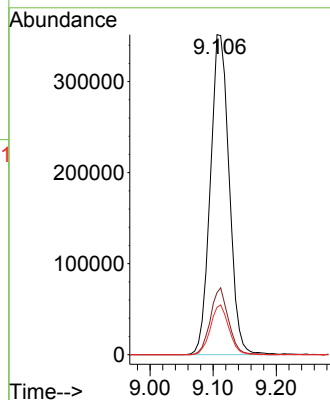
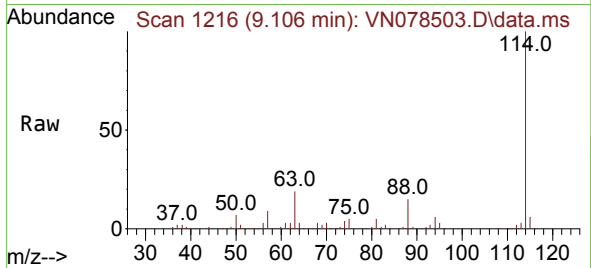




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 9.106 min Scan# 11
Delta R.T. 0.000 min
Lab File: VN078503.D
Acq: 13 Jul 2023 17:02

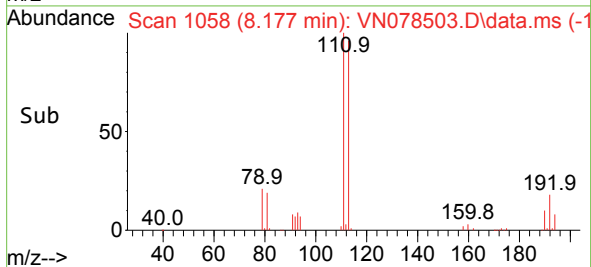
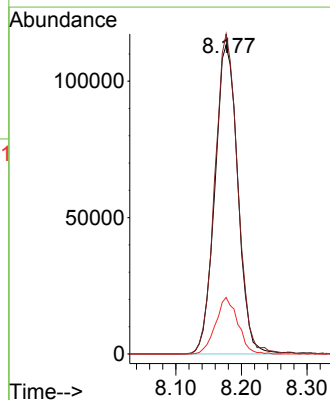
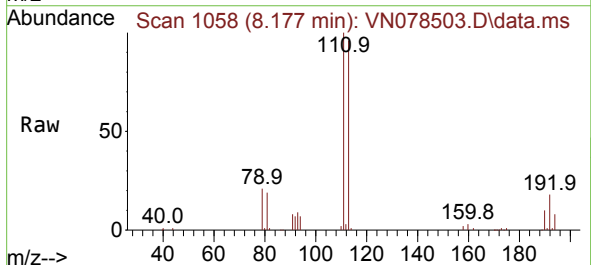
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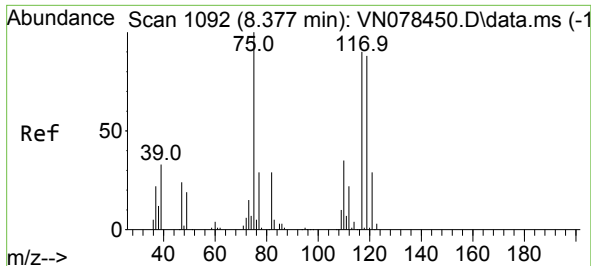
Tgt Ion:114 Resp: 728888
Ion Ratio Lower Upper
114 100
63 19.4 0.0 36.4
88 14.8 0.0 30.6



#35
Dibromofluoromethane
Concen: 55.456 ug/l
RT: 8.177 min Scan# 1058
Delta R.T. -0.000 min
Lab File: VN078503.D
Acq: 13 Jul 2023 17:02

Tgt Ion:113 Resp: 274391
Ion Ratio Lower Upper
113 100
111 102.7 82.6 123.8
192 17.8 12.7 19.1





#36

1,1-Dichloropropene

Concen: 4.718 ug/l

RT: 8.236 min Scan# 1068

Delta R.T. -0.142 min

Lab File: VN078503.D

Acq: 13 Jul 2023 17:02

Instrument :

MSVOA_N

ClientSampleId :

BP-TB-20230712

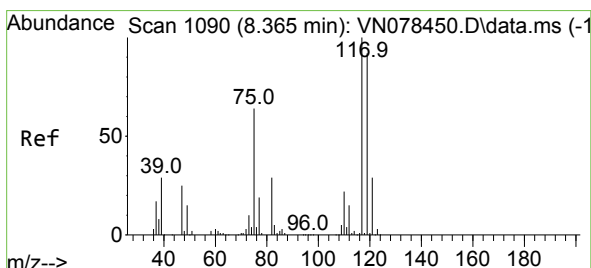
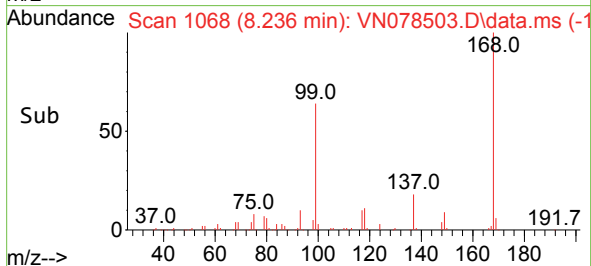
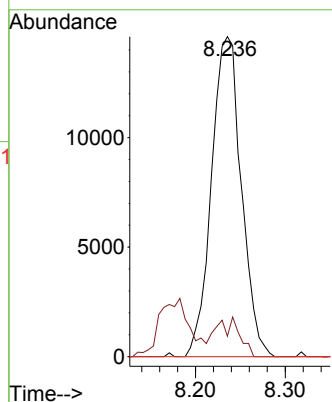
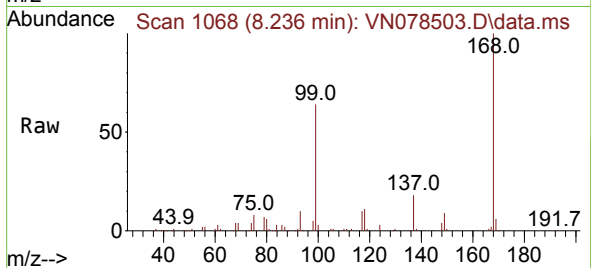
Tgt Ion: 75 Resp: 33704

Ion Ratio Lower Upper

75 100

110 2.8 19.1 57.3#

77 0.0 25.0 37.4#



#38

Carbon Tetrachloride

Concen: 5.369 ug/l

RT: 8.230 min Scan# 1067

Delta R.T. -0.135 min

Lab File: VN078503.D

Acq: 13 Jul 2023 17:02

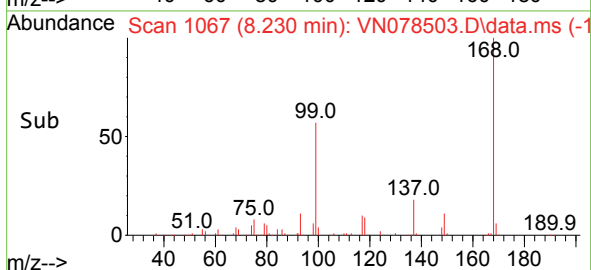
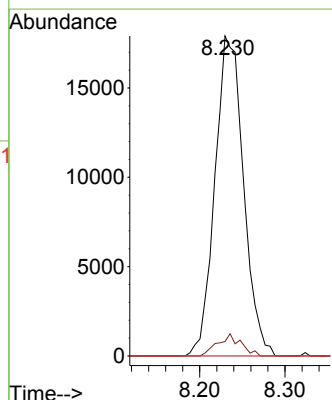
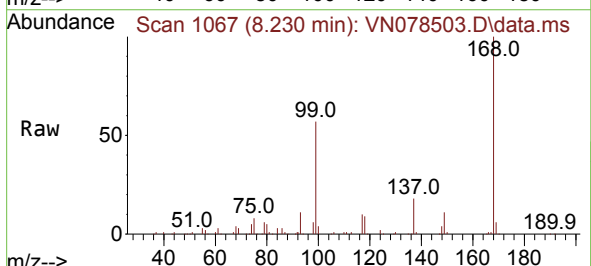
Tgt Ion: 117 Resp: 41687

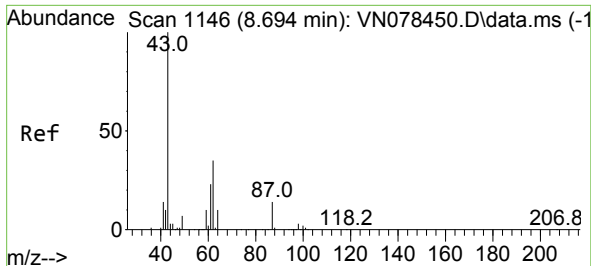
Ion Ratio Lower Upper

117 100

119 4.5 77.3 115.9#

121 0.0 23.3 34.9#

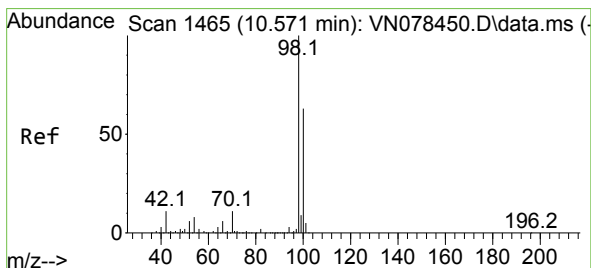
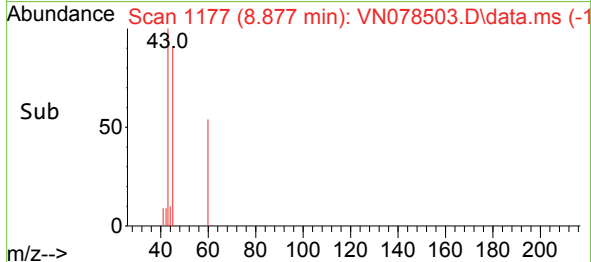
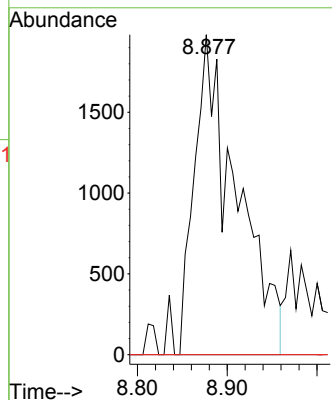
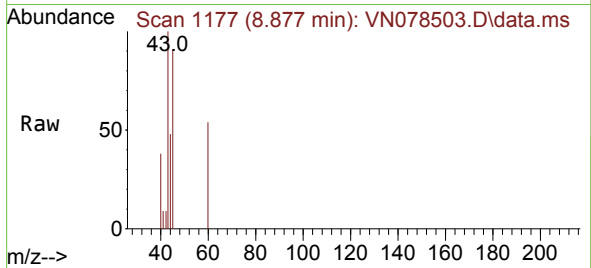




#43
Isopropyl Acetate
Concen: 0.662 ug/l
RT: 8.877 min Scan# 1177
Delta R.T. 0.183 min
Lab File: VN078503.D
Acq: 13 Jul 2023 17:02

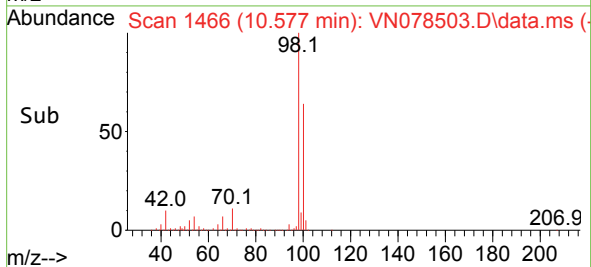
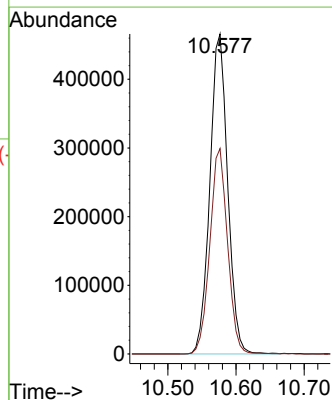
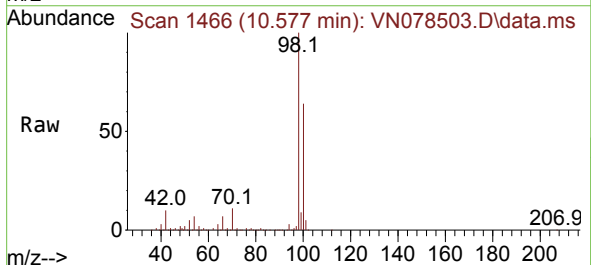
Instrument :
MSVOA_N
ClientSampleId :
BP-TB-20230712

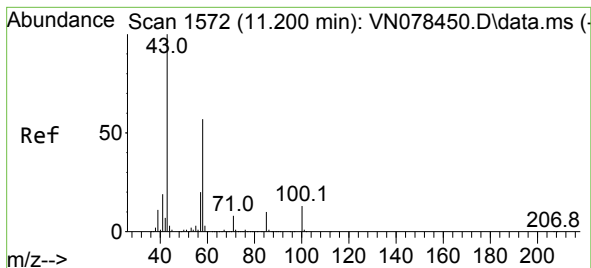
Tgt Ion: 43 Resp: 6493
Ion Ratio Lower Upper
43 100
61 0.0 24.7 37.1#
87 0.0 14.6 21.8#



#50
Toluene-d8
Concen: 45.380 ug/l
RT: 10.577 min Scan# 1466
Delta R.T. 0.006 min
Lab File: VN078503.D
Acq: 13 Jul 2023 17:02

Tgt Ion: 98 Resp: 848239
Ion Ratio Lower Upper
98 100
100 63.8 52.0 78.0

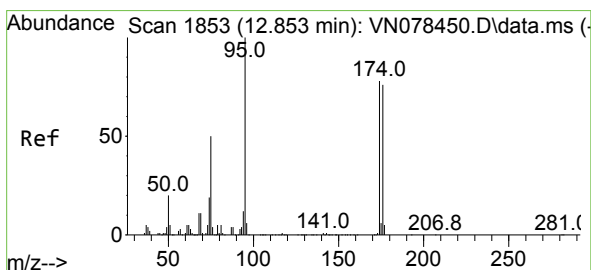
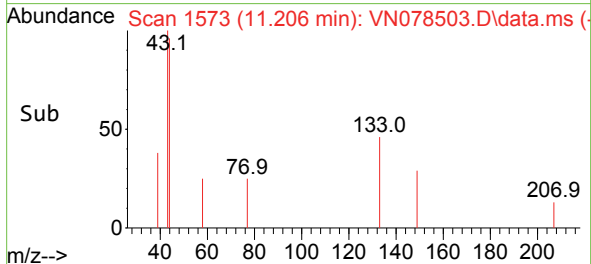
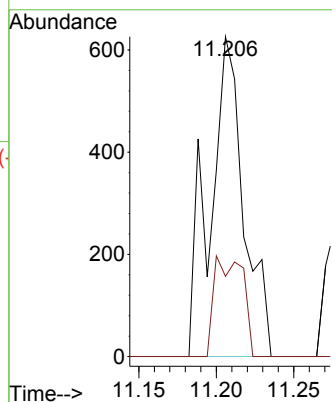
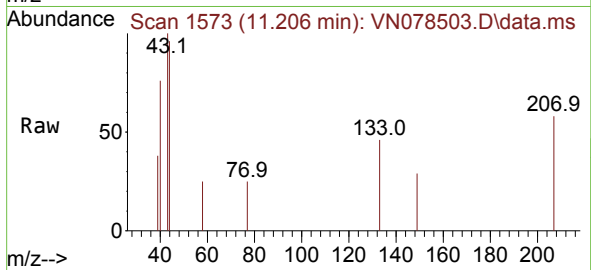




#59
2-Hexanone
Concen: 0.231 ug/l
RT: 11.206 min Scan# 11
Delta R.T. 0.006 min
Lab File: VN078503.D
Acq: 13 Jul 2023 17:02

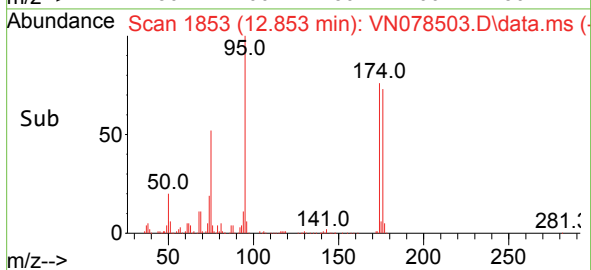
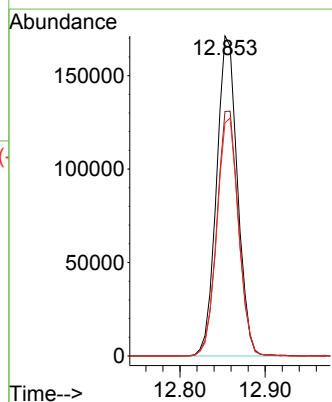
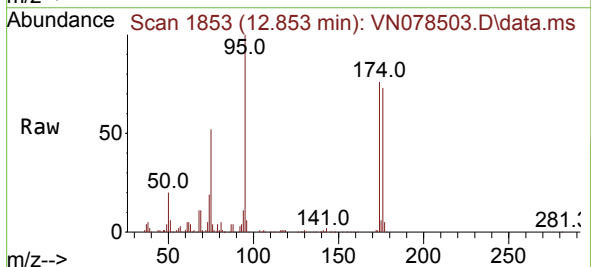
Instrument :
MSVOA_N
ClientSampleId :
BP-TB-20230712

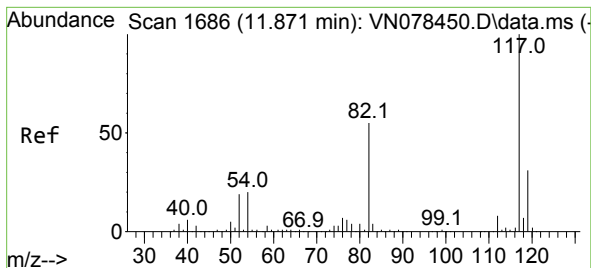
Tgt Ion: 43 Resp: 956
Ion Ratio Lower Upper
43 100
58 26.3 31.7 95.1#



#62
4-Bromofluorobenzene
Concen: 50.723 ug/l
RT: 12.853 min Scan# 1853
Delta R.T. -0.000 min
Lab File: VN078503.D
Acq: 13 Jul 2023 17:02

Tgt Ion: 95 Resp: 292034
Ion Ratio Lower Upper
95 100
174 79.1 0.0 143.8
176 76.8 0.0 135.8

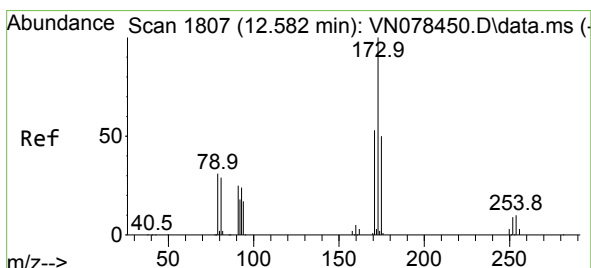
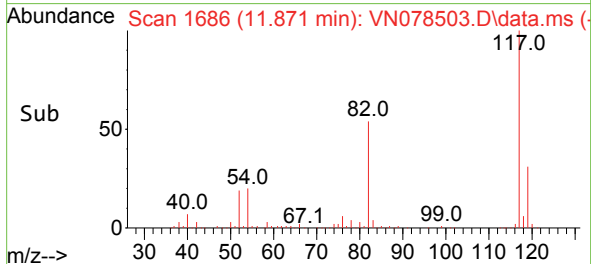
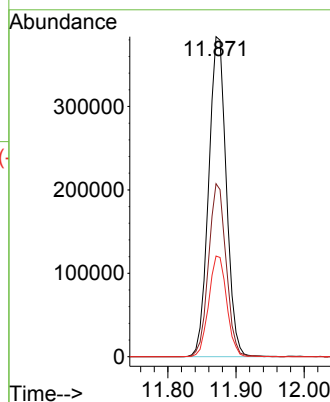
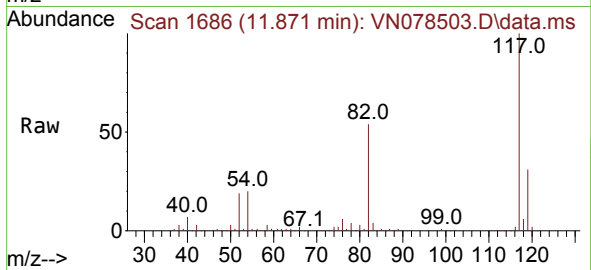




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.871 min Scan# 117
Delta R.T. -0.000 min
Lab File: VN078503.D
Acq: 13 Jul 2023 17:02

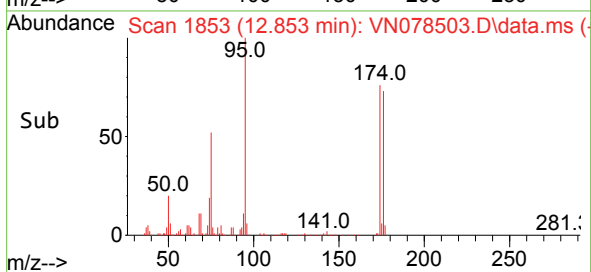
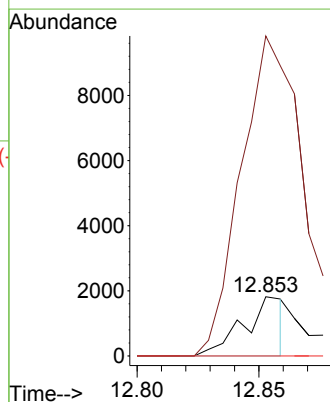
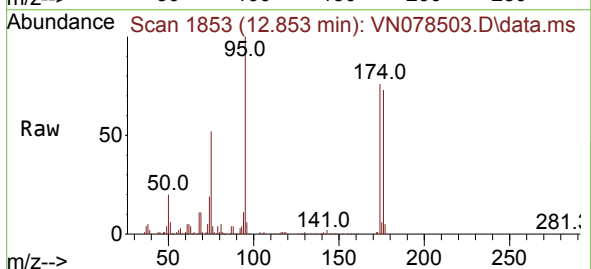
Instrument :
MSVOA_N
ClientSampleId :
BP-TB-20230712

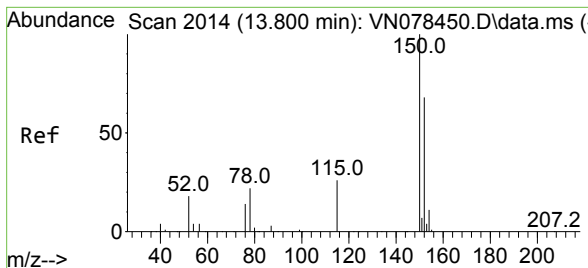
Tgt Ion:117 Resp: 690909
Ion Ratio Lower Upper
117 100
82 54.1 44.0 66.0
119 31.4 25.6 38.4



#71
Bromoform
Concen: 0.523 ug/l
RT: 12.853 min Scan# 1853
Delta R.T. 0.271 min
Lab File: VN078503.D
Acq: 13 Jul 2023 17:02

Tgt Ion:173 Resp: 2105
Ion Ratio Lower Upper
173 100
175 566.8 24.3 73.0#
254 0.0 0.0 0.0

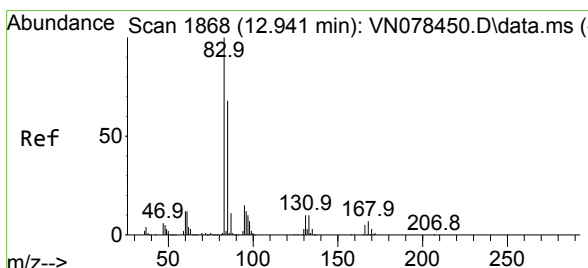
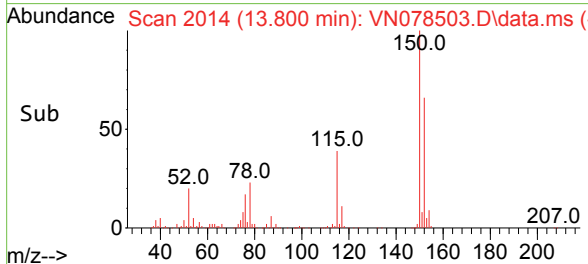
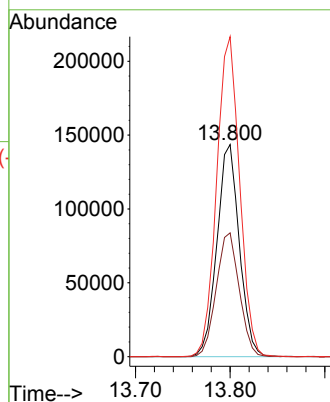
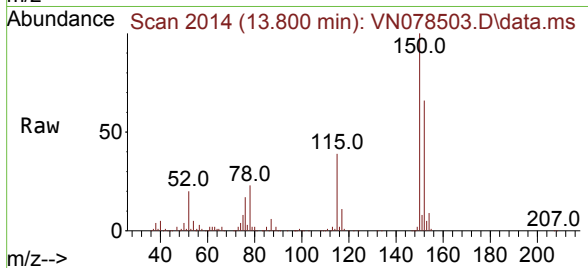




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.800 min Scan# 20
 Delta R.T. -0.000 min
 Lab File: VN078503.D
 Acq: 13 Jul 2023 17:02

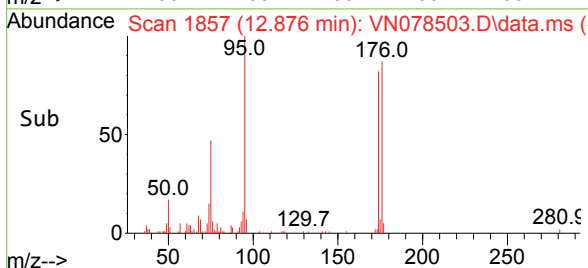
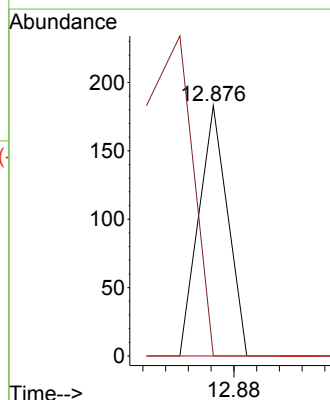
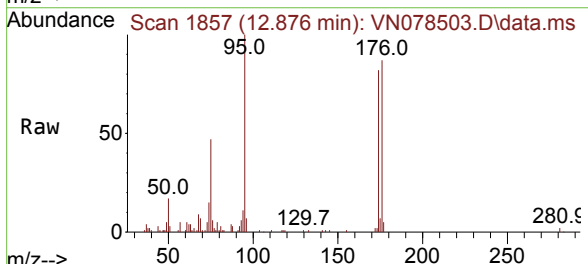
Instrument :
 MSVOA_N
 ClientSampleId :
 BP-TB-20230712

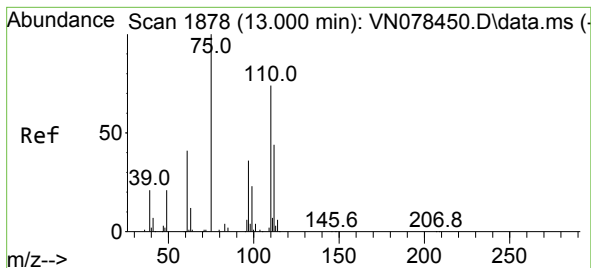
Tgt Ion:152 Resp: 235847
 Ion Ratio Lower Upper
 152 100
 115 60.0 32.3 96.8
 150 154.7 0.0 355.8



#75
 1,1,2,2-Tetrachloroethane
 Concen: Below Cal
 RT: 12.876 min Scan# 1857
 Delta R.T. -0.065 min
 Lab File: VN078503.D
 Acq: 13 Jul 2023 17:02

Tgt Ion: 83 Resp: 65
 Ion Ratio Lower Upper
 83 100
 131 0.0 5.0 15.0#
 85 0.0 31.9 95.7#





#76

1,2,3-Trichloropropane

Concen: 27.192 ug/l

RT: 12.853 min Scan# 1853

Delta R.T. -0.147 min

Lab File: VN078503.D

Acq: 13 Jul 2023 17:02

Instrument :

MSVOA_N

ClientSampleId :

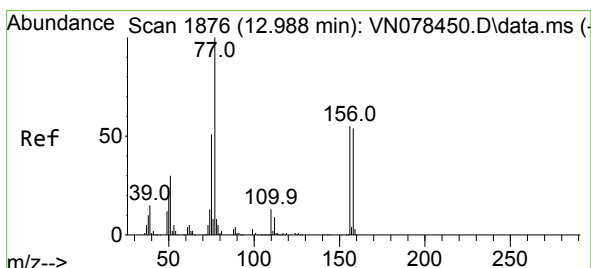
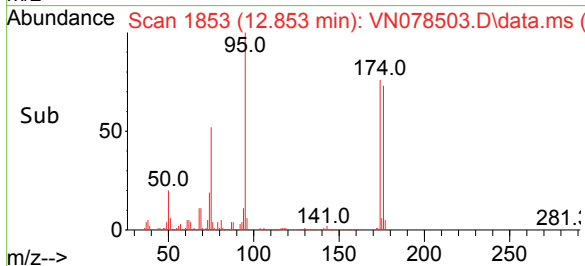
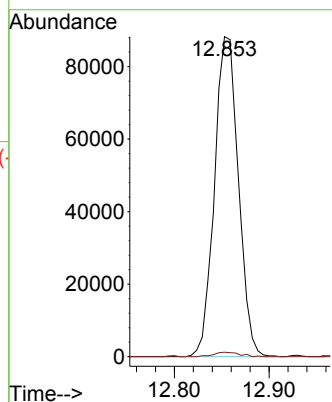
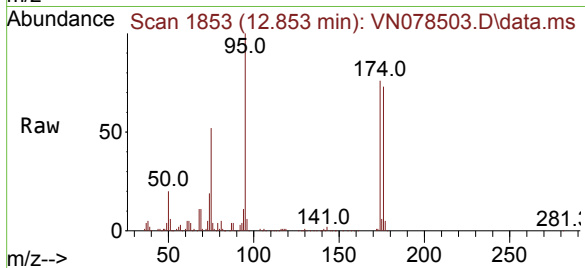
BP-TB-20230712

Tgt Ion: 75 Resp: 155012

Ion Ratio Lower Upper

75 100

77 1.5 84.5 253.5#



#77

Bromobenzene

Concen: Below Cal

RT: 12.865 min Scan# 1855

Delta R.T. -0.123 min

Lab File: VN078503.D

Acq: 13 Jul 2023 17:02

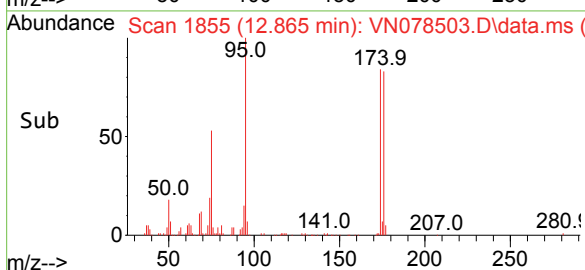
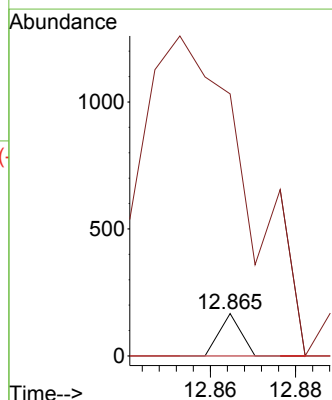
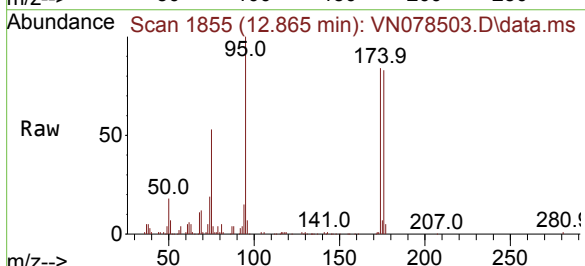
Tgt Ion:156 Resp: 59

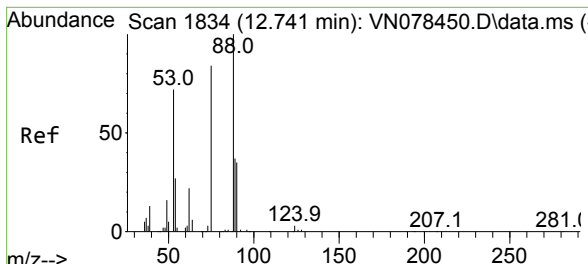
Ion Ratio Lower Upper

156 100

77 4062.7 107.7 323.3#

158 0.0 48.4 145.3#

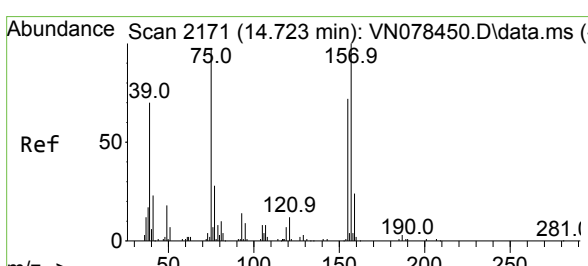
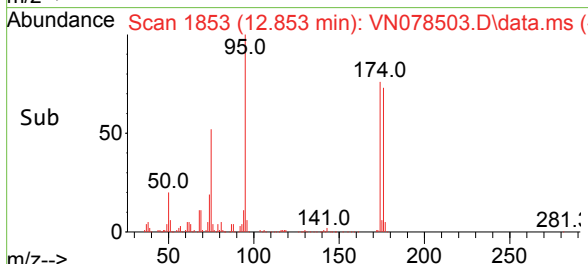
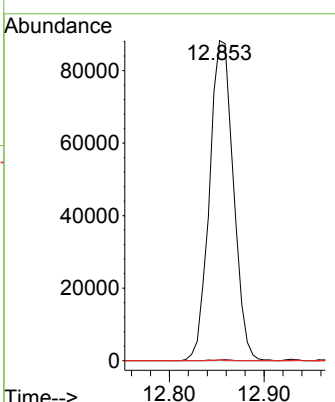
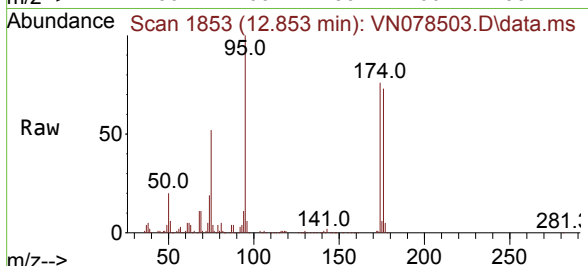




#81
 trans-1,4-Dichloro-2-butene
 Concen: 71.455 ug/l
 RT: 12.853 min Scan# 1853
 Delta R.T. 0.112 min
 Lab File: VN078503.D
 Acq: 13 Jul 2023 17:02

Instrument :
 MSVOA_N
 ClientSampleId :
 BP-TB-20230712

Tgt Ion:	75	Resp:	155012
Ion Ratio	Lower	Upper	
75	100		
53	0.3	67.4	101.2#
89	0.0	38.8	58.2#



#92
 1,2-Dibromo-3-Chloropropane
 Concen: Below Cal
 RT: 14.723 min Scan# 2171
 Delta R.T. 0.000 min
 Lab File: VN078503.D
 Acq: 13 Jul 2023 17:02

Tgt Ion:	75	Resp:	72
Ion Ratio	Lower	Upper	
75	100		
155	0.0	39.1	117.2#
157	0.0	50.3	150.9#

