

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN071323\
 Data File : VN078494.D
 Acq On : 13 Jul 2023 13:22
 Operator : JC\MD
 Sample : 03611-01
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 BP-TB-20230712

Quant Time: Jul 14 01:32:25 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

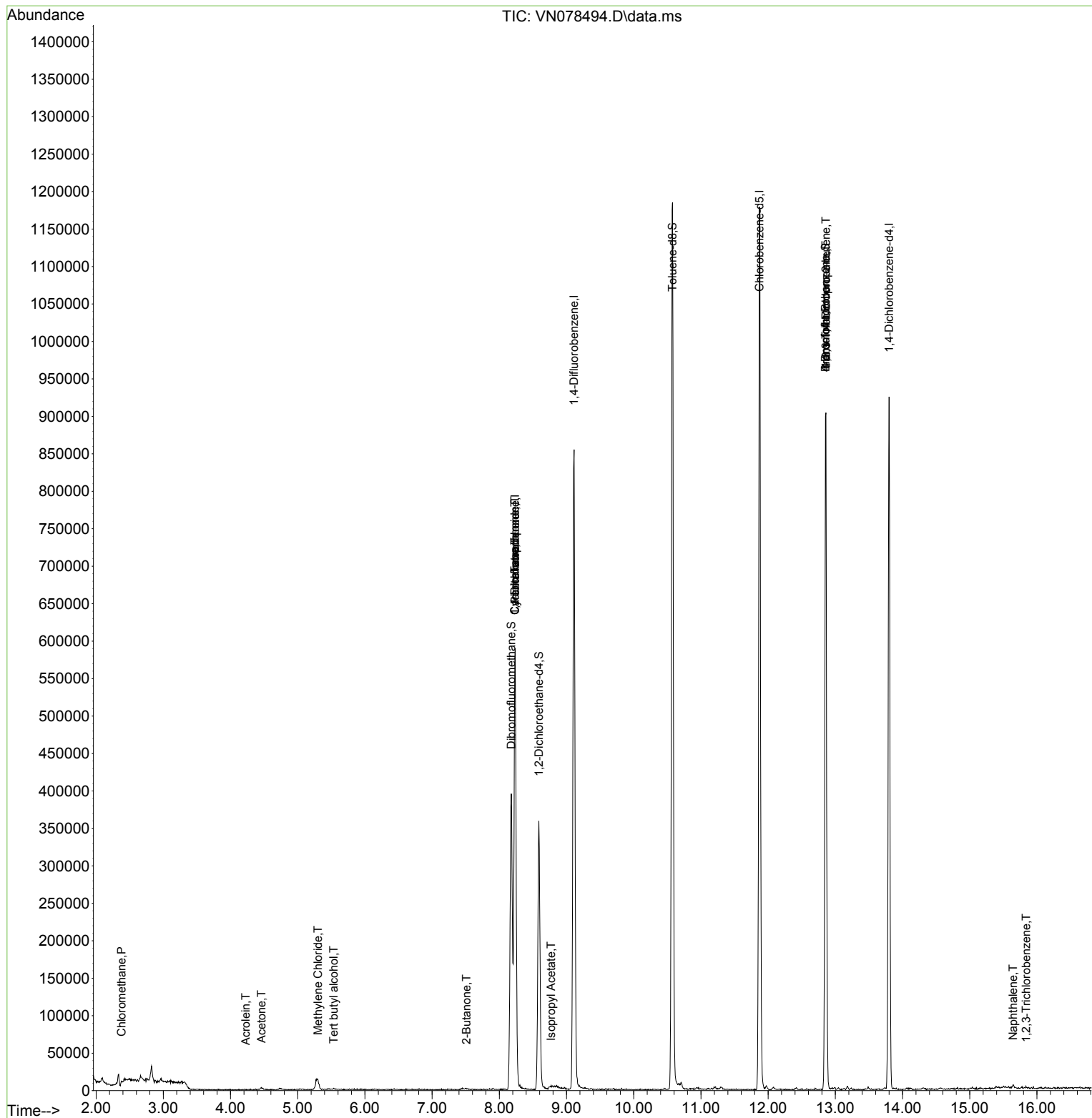
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

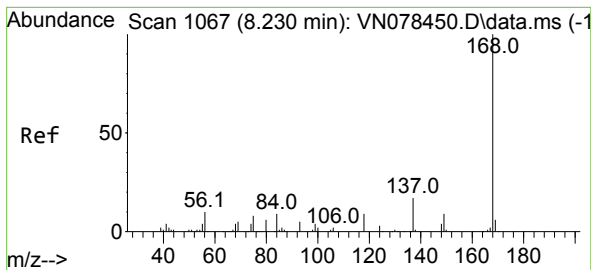
Internal Standards						
1) Pentafluorobenzene	8.236	168	423365	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.112	114	768358	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.871	117	707947	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.800	152	256408	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.588	65	289498	51.007	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 102.020%			
35) Dibromofluoromethane	8.177	113	290136	55.626	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 111.260%			
50) Toluene-d8	10.577	98	877081	44.513	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 89.020%			
62) 4-Bromofluorobenzene	12.853	95	316244	52.106	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery = 104.220%			
Target Compounds					Qvalue	
3) Chloromethane	2.377	50	1647	0.292	ug/l	97
5) Bromomethane	2.983	94	2610	Below Cal	#	46
6) Chloroethane	3.142	64	250	Below Cal	#	43
11) Tert butyl alcohol	5.536	59	334	0.382	ug/l #	72
13) Acrolein	4.224	56	350	0.406	ug/l #	16
16) Acetone	4.459	43	3549	2.007	ug/l	96
20) Methylene Chloride	5.300	84	12321	1.237	ug/l	88
25) 2-Butanone	7.512	43	2861	1.028	ug/l #	37
31) Cyclohexane	8.230	56	10534	1.373	ug/l #	39
36) 1,1-Dichloropropene	8.230	75	33596	4.461	ug/l #	49
38) Carbon Tetrachloride	8.230	117	49073	5.995	ug/l #	14
43) Isopropyl Acetate	8.771	43	6302	0.610	ug/l #	49
71) Bromoform	12.853	173	2794	0.678	ug/l #	28
75) 1,1,2,2-Tetrachloroethane	12.947	83	356	Below Cal	#	47
76) 1,2,3-Trichloropropane	12.859	75	169070	27.280	ug/l #	1
77) Bromobenzene	12.988	156	455	Below Cal	#	70
81) trans-1,4-Dichloro-2-b...						

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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

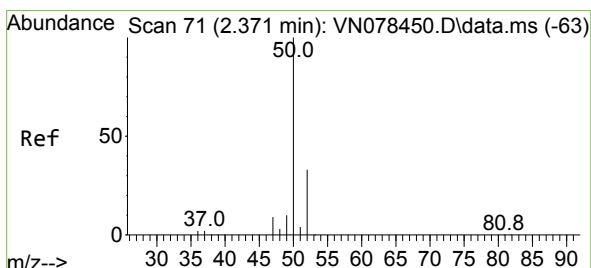
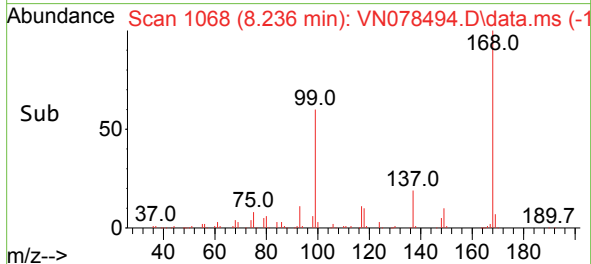
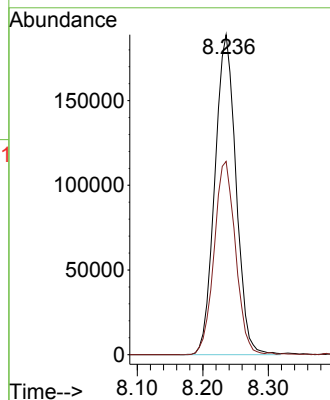
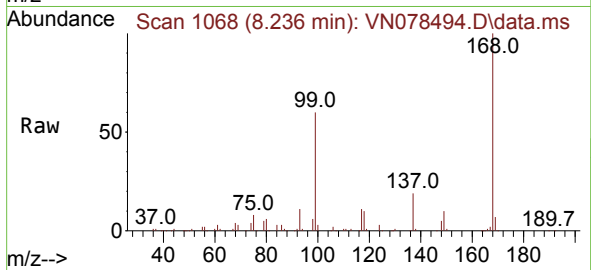




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.236 min Scan# 1068
Delta R.T. 0.006 min
Lab File: VN078494.D
Acq: 13 Jul 2023 13:22

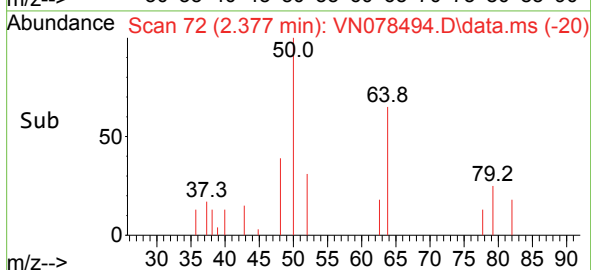
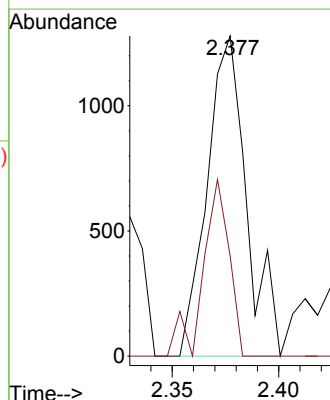
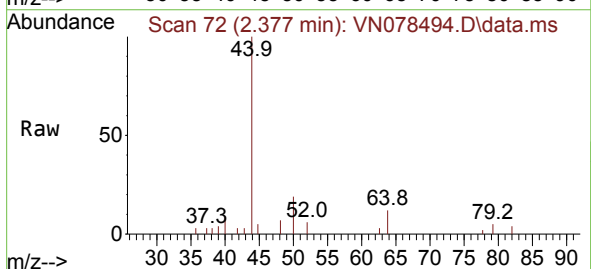
Instrument :
MSVOA_N
ClientSampleId :
BP-TB-20230712

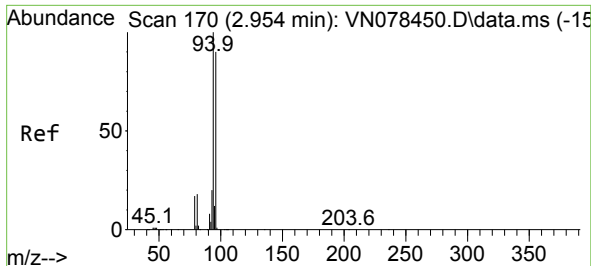
Tgt Ion:168 Resp: 423365
Ion Ratio Lower Upper
168 100
99 60.4 53.0 79.6



#3
Chloromethane
Concen: 0.292 ug/l
RT: 2.377 min Scan# 72
Delta R.T. 0.006 min
Lab File: VN078494.D
Acq: 13 Jul 2023 13:22

Tgt Ion: 50 Resp: 1647
Ion Ratio Lower Upper
50 100
52 31.4 26.5 39.7

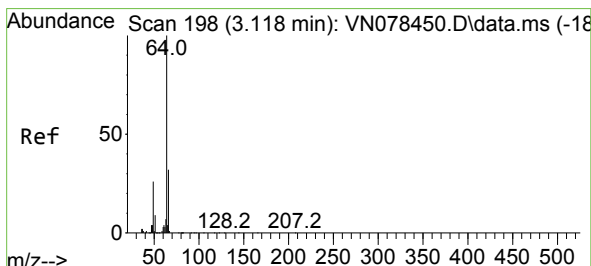
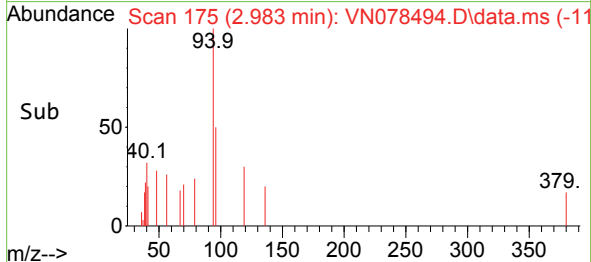
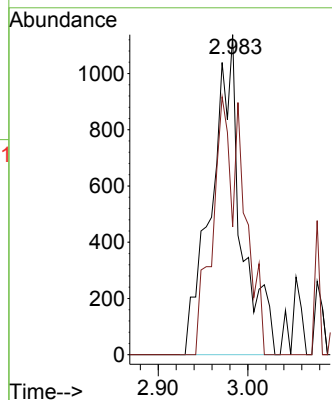
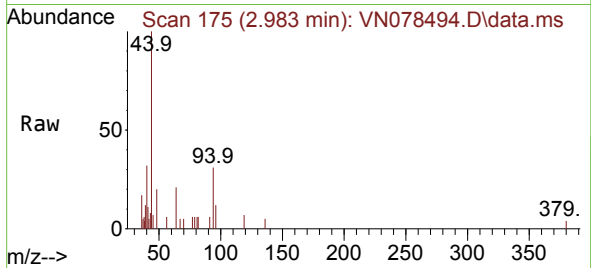




#5
Bromomethane
Concen: Below Cal
RT: 2.983 min Scan# 11
Delta R.T. 0.029 min
Lab File: VN078494.D
Acq: 13 Jul 2023 13:22

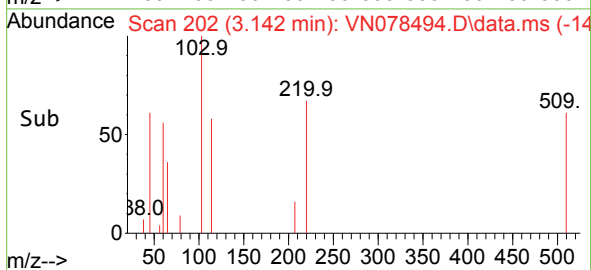
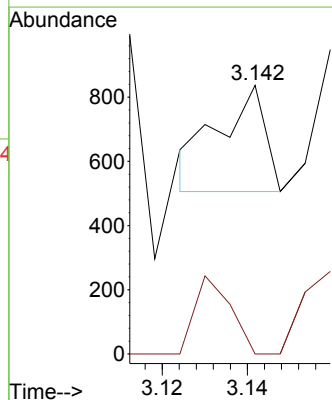
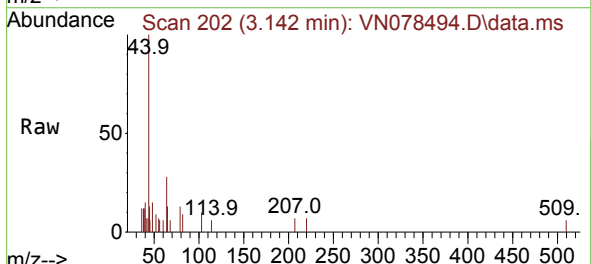
Instrument :
MSVOA_N
ClientSampleId :
BP-TB-20230712

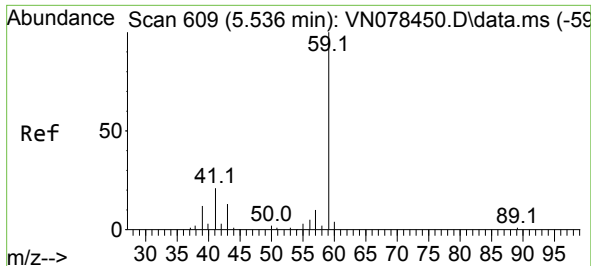
Tgt Ion: 94 Resp: 2610
Ion Ratio Lower Upper
94 100
96 39.9 73.1 109.7#



#6
Chloroethane
Concen: Below Cal
RT: 3.142 min Scan# 202
Delta R.T. 0.024 min
Lab File: VN078494.D
Acq: 13 Jul 2023 13:22

Tgt Ion: 64 Resp: 250
Ion Ratio Lower Upper
64 100
66 0.0 25.4 38.2#

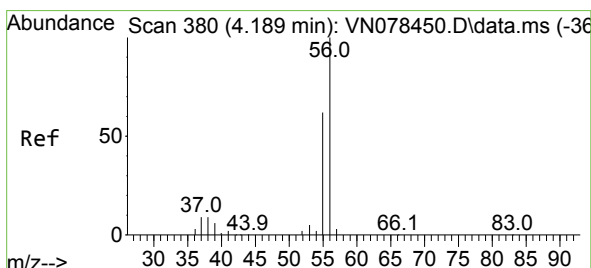
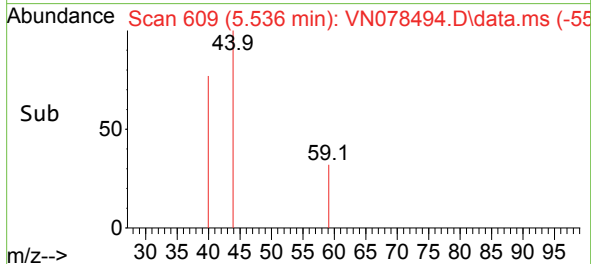
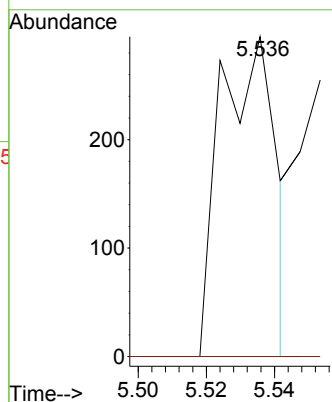
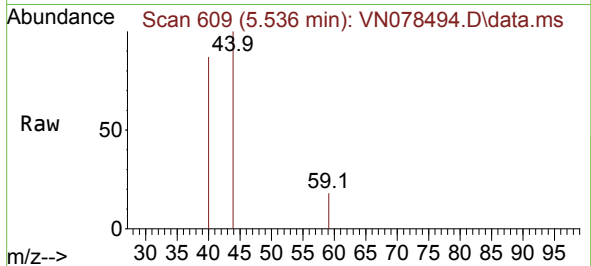




#11
Tert butyl alcohol
Concen: 0.382 ug/l
RT: 5.536 min Scan# 609
Delta R.T. -0.000 min
Lab File: VN078494.D
Acq: 13 Jul 2023 13:22

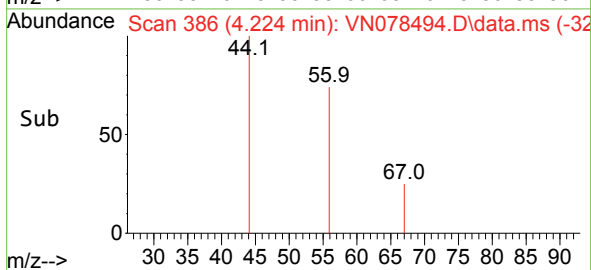
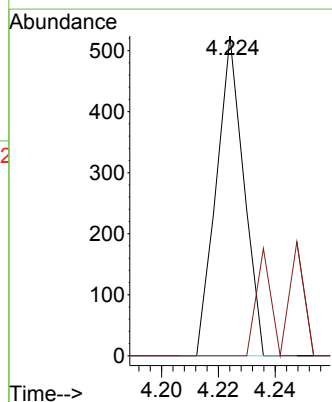
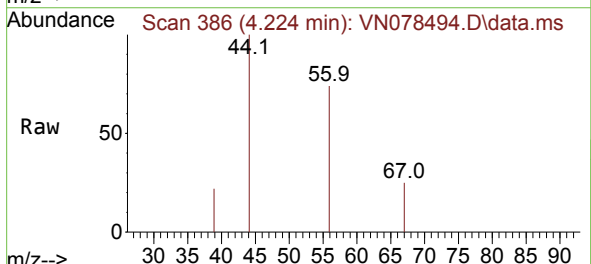
Instrument :
MSVOA_N
ClientSampleId :
BP-TB-20230712

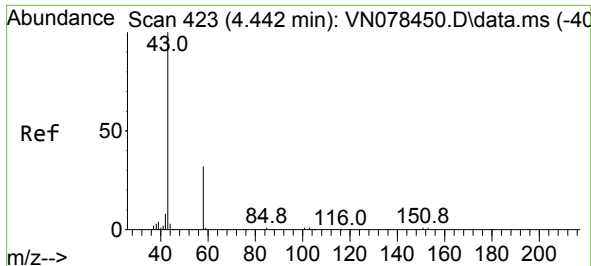
Tgt Ion: 59 Resp: 334
Ion Ratio Lower Upper
59 100
57 0.0 8.2 12.4#



#13
Acrolein
Concen: 0.406 ug/l
RT: 4.224 min Scan# 386
Delta R.T. 0.035 min
Lab File: VN078494.D
Acq: 13 Jul 2023 13:22

Tgt Ion: 56 Resp: 350
Ion Ratio Lower Upper
56 100
55 0.0 54.5 81.7#

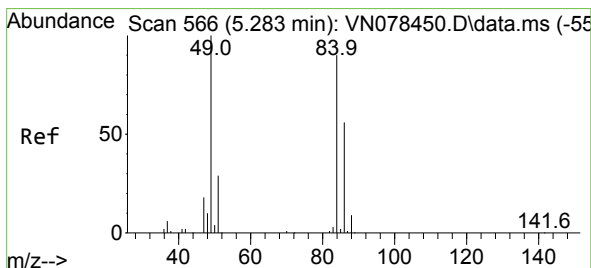
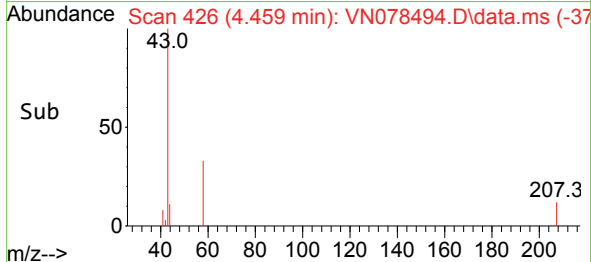
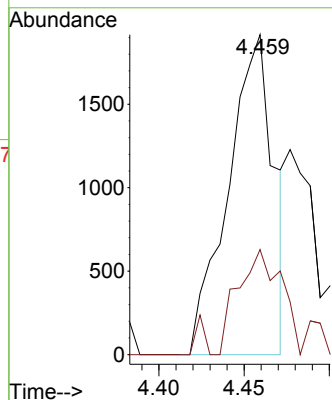
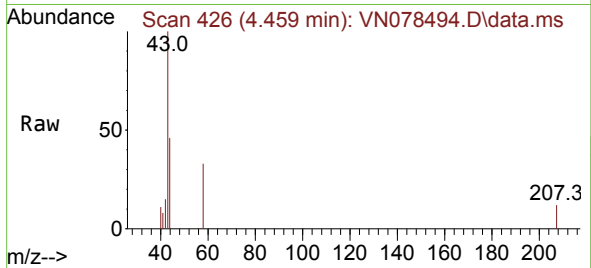




#16
Acetone
Concen: 2.007 ug/l
RT: 4.459 min Scan# 41
Delta R.T. 0.017 min
Lab File: VN078494.D
Acq: 13 Jul 2023 13:22

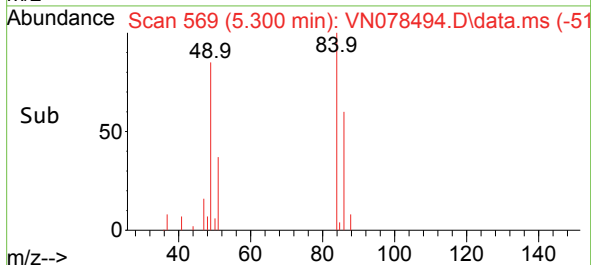
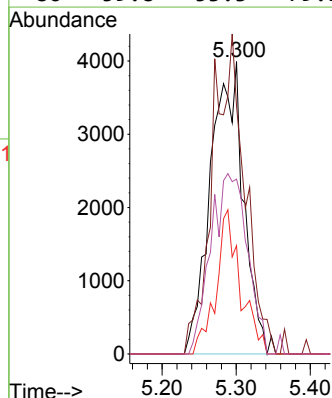
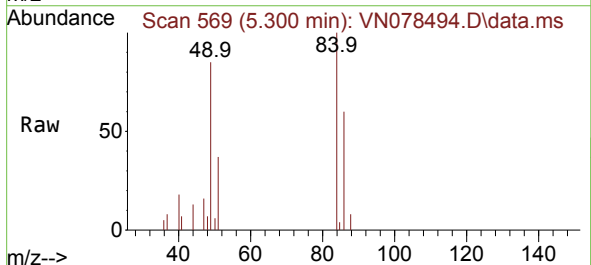
Instrument :
MSVOA_N
ClientSampleId :
BP-TB-20230712

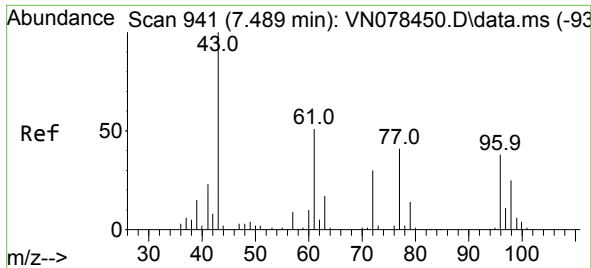
Tgt Ion: 43 Resp: 3549
Ion Ratio Lower Upper
43 100
58 32.8 28.0 42.0



#20
Methylene Chloride
Concen: 1.237 ug/l
RT: 5.300 min Scan# 569
Delta R.T. 0.017 min
Lab File: VN078494.D
Acq: 13 Jul 2023 13:22

Tgt Ion: 84 Resp: 12321
Ion Ratio Lower Upper
84 100
49 84.9 79.7 119.5
51 37.0 25.2 37.8
86 59.8 53.3 79.9

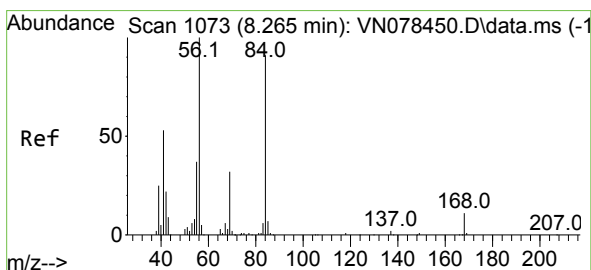
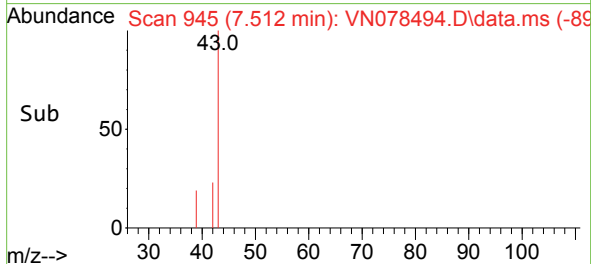
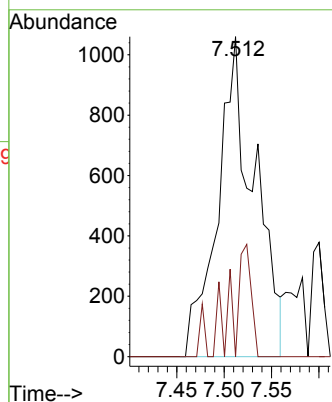
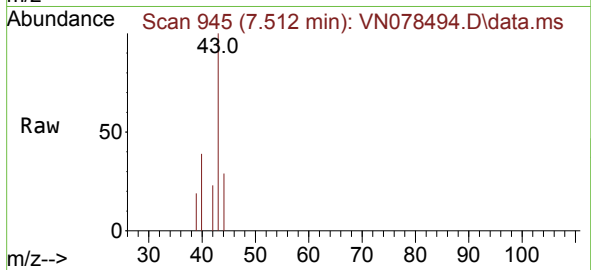




#25
2-Butanone
Concen: 1.028 ug/l
RT: 7.512 min Scan# 941
Delta R.T. 0.023 min
Lab File: VN078494.D
Acq: 13 Jul 2023 13:22

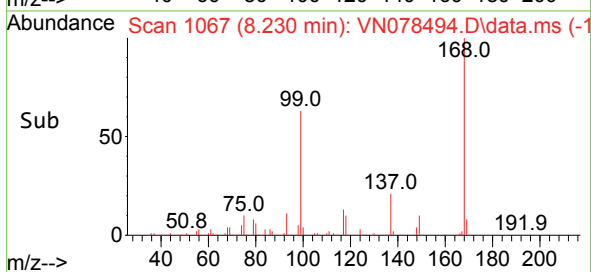
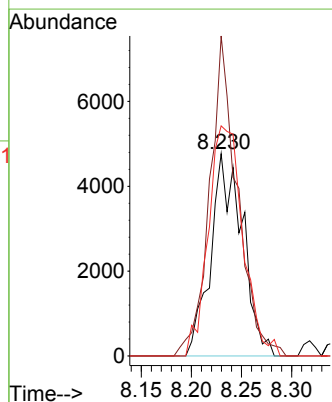
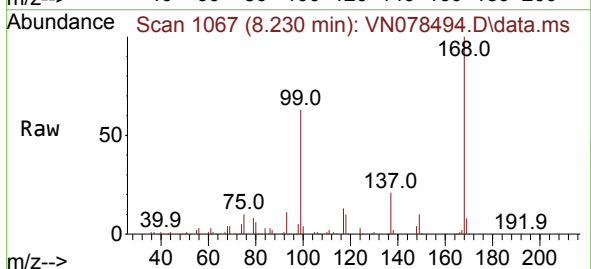
Instrument :
MSVOA_N
ClientSampleId :
BP-TB-20230712

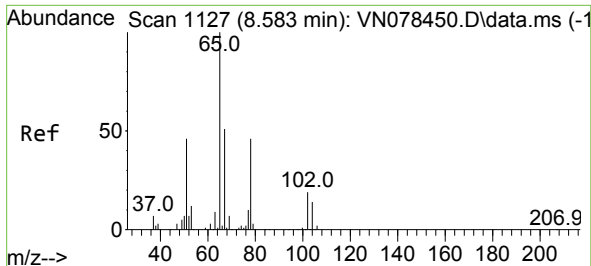
Tgt Ion: 43 Resp: 2861
Ion Ratio Lower Upper
43 100
72 0.0 30.2 45.2#



#31
Cyclohexane
Concen: 1.373 ug/l
RT: 8.230 min Scan# 1067
Delta R.T. -0.035 min
Lab File: VN078494.D
Acq: 13 Jul 2023 13:22

Tgt Ion: 56 Resp: 10534
Ion Ratio Lower Upper
56 100
69 154.0 26.8 40.2#
84 113.8 81.8 122.6





#33

1,2-Dichloroethane-d4

Concen: 51.007 ug/l

RT: 8.588 min Scan# 1127

Delta R.T. 0.005 min

Lab File: VN078494.D

Acq: 13 Jul 2023 13:22

Instrument :

MSVOA_N

ClientSampleId :

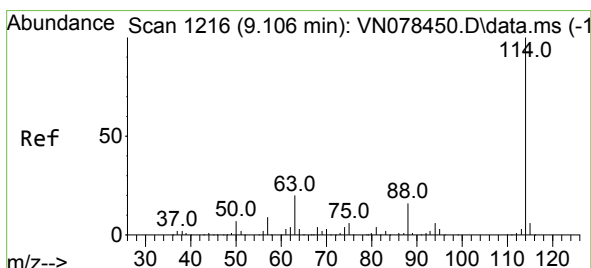
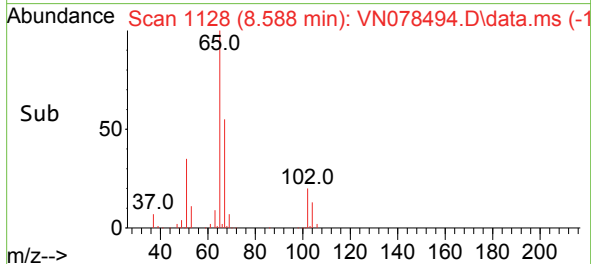
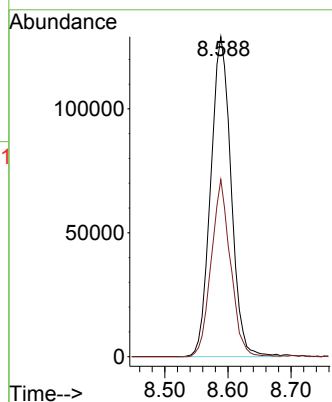
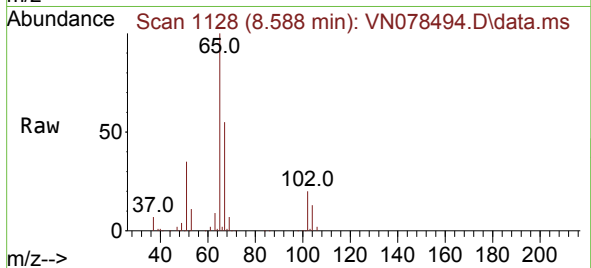
BP-TB-20230712

Tgt Ion: 65 Resp: 289498

Ion Ratio Lower Upper

65 100

67 52.5 0.0 106.6



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 9.112 min Scan# 1217

Delta R.T. 0.006 min

Lab File: VN078494.D

Acq: 13 Jul 2023 13:22

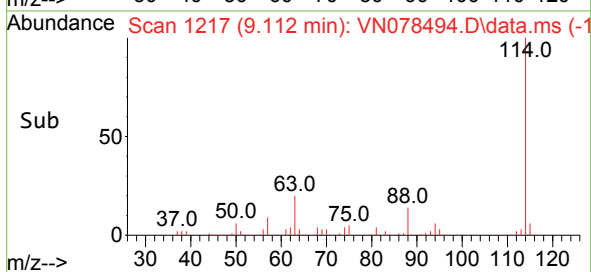
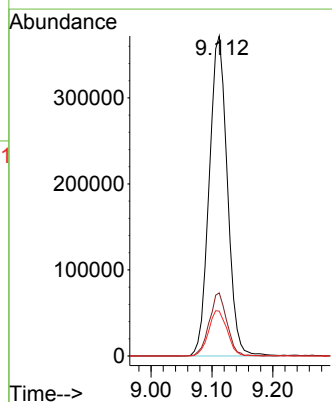
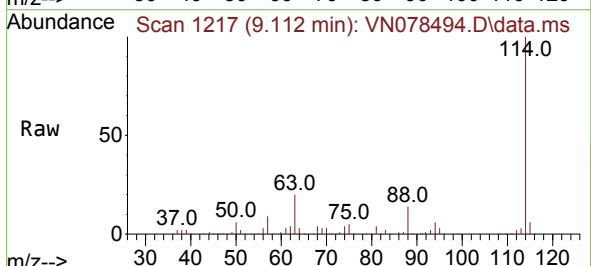
Tgt Ion: 114 Resp: 768358

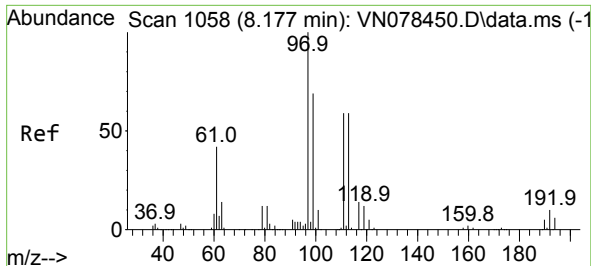
Ion Ratio Lower Upper

114 100

63 19.7 0.0 36.4

88 14.0 0.0 30.6

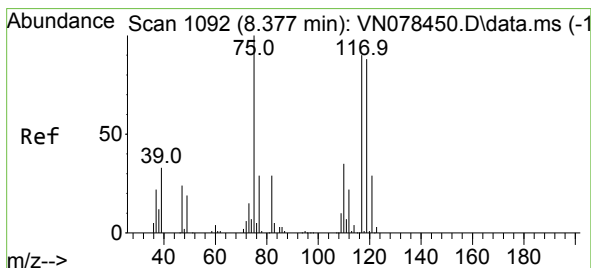
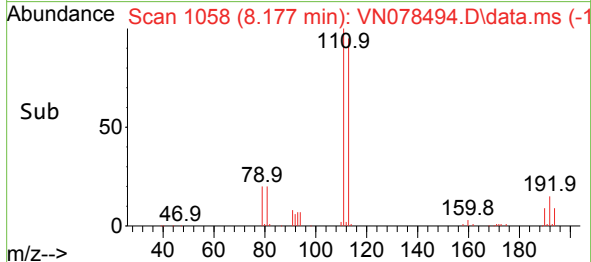
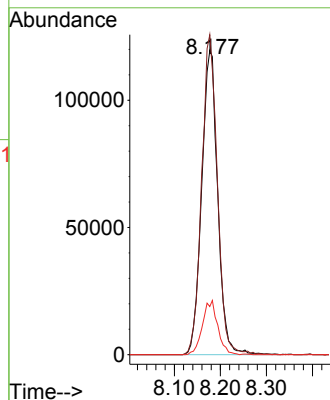
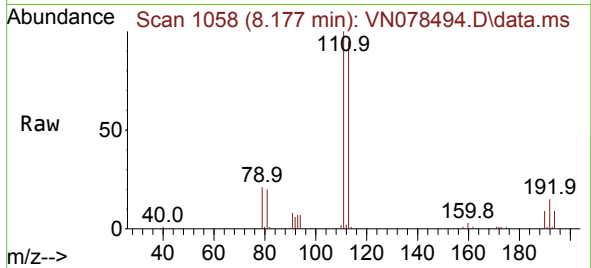




#35
Dibromofluoromethane
Concen: 55.626 ug/l
RT: 8.177 min Scan# 1058
Delta R.T. -0.000 min
Lab File: VN078494.D
Acq: 13 Jul 2023 13:22

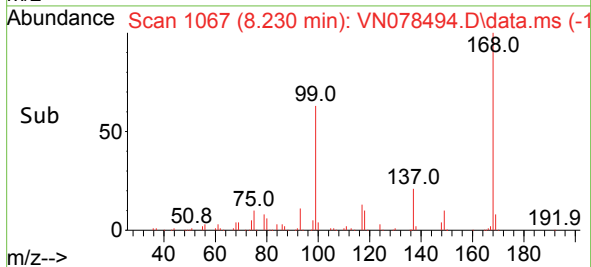
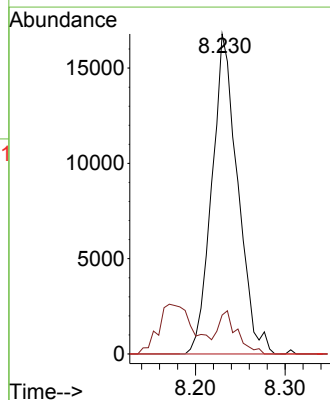
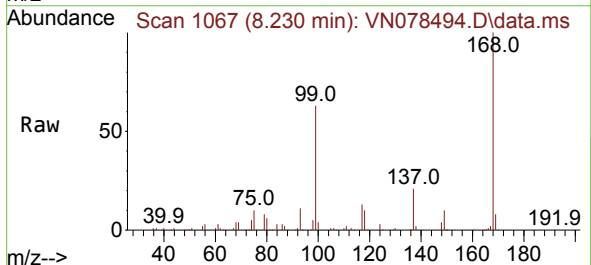
Instrument :
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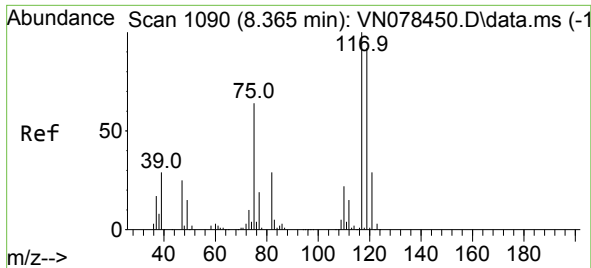
Tgt Ion:113 Resp: 290136
Ion Ratio Lower Upper
113 100
111 103.0 82.6 123.8
192 17.0 12.7 19.1



#36
1,1-Dichloropropene
Concen: 4.461 ug/l
RT: 8.230 min Scan# 1067
Delta R.T. -0.147 min
Lab File: VN078494.D
Acq: 13 Jul 2023 13:22

Tgt Ion: 75 Resp: 33596
Ion Ratio Lower Upper
75 100
110 9.8 19.1 57.3#
77 0.0 25.0 37.4#

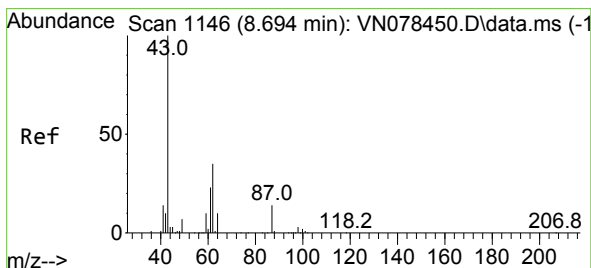
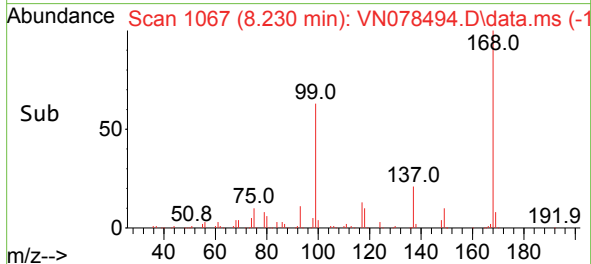
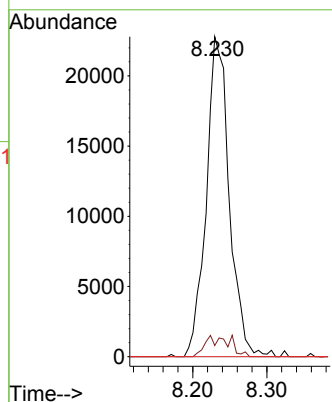
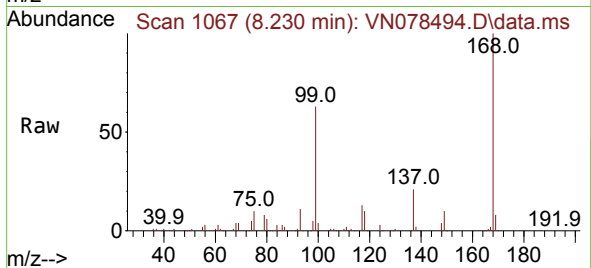




#38
Carbon Tetrachloride
Concen: 5.995 ug/l
RT: 8.230 min Scan# 1159
Delta R.T. -0.135 min
Lab File: VN078494.D
Acq: 13 Jul 2023 13:22

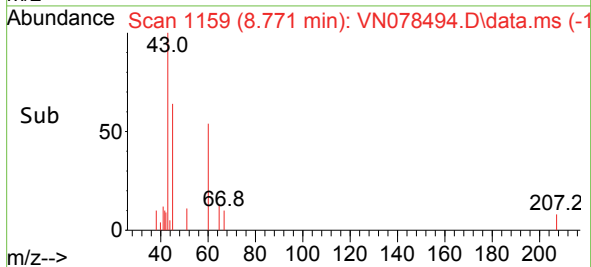
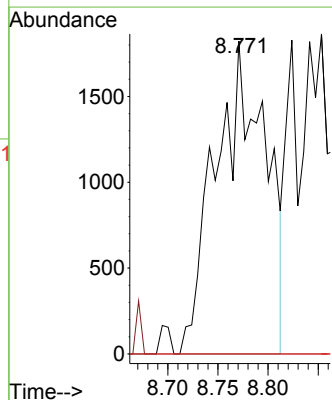
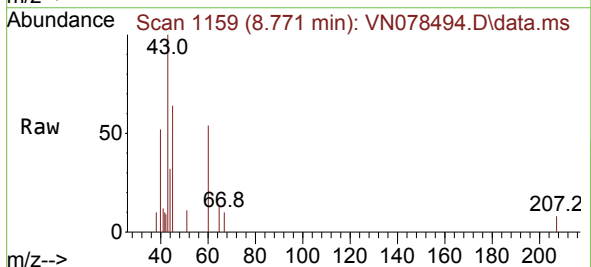
Instrument :
MSVOA_N
ClientSampleId :
BP-TB-20230712

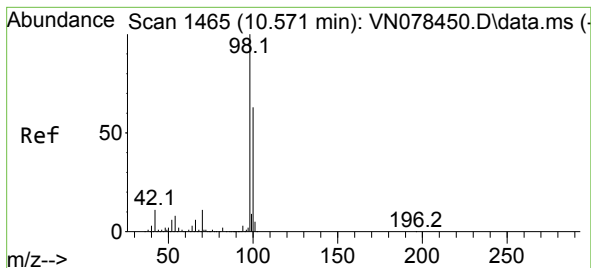
Tgt Ion:117 Resp: 49073
Ion Ratio Lower Upper
117 100
119 3.5 77.3 115.9#
121 0.0 23.3 34.9#



#43
Isopropyl Acetate
Concen: 0.610 ug/l
RT: 8.771 min Scan# 1159
Delta R.T. 0.077 min
Lab File: VN078494.D
Acq: 13 Jul 2023 13:22

Tgt Ion: 43 Resp: 6302
Ion Ratio Lower Upper
43 100
61 0.0 24.7 37.1#
87 0.0 14.6 21.8#

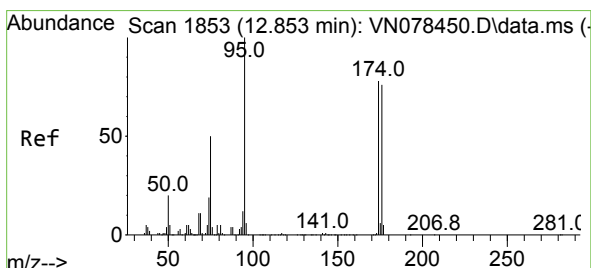
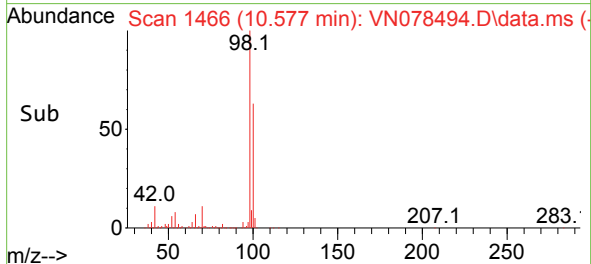
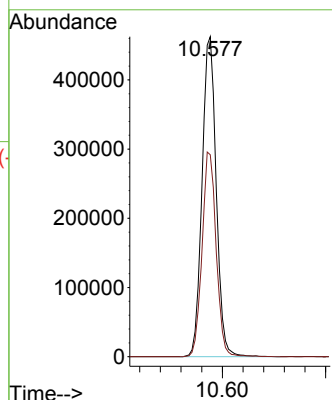
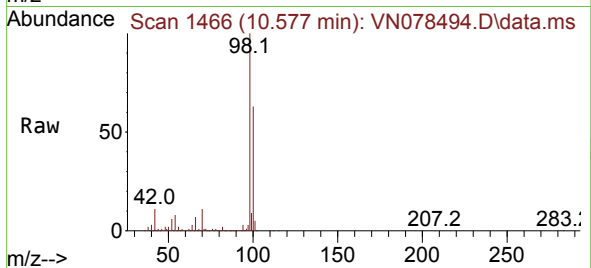




#50
Toluene-d8
Concen: 44.513 ug/l
RT: 10.577 min Scan# 1465
Delta R.T. 0.006 min
Lab File: VN078494.D
Acq: 13 Jul 2023 13:22

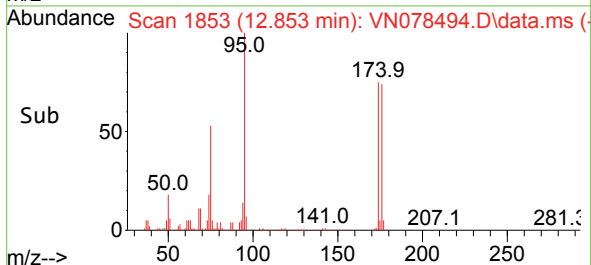
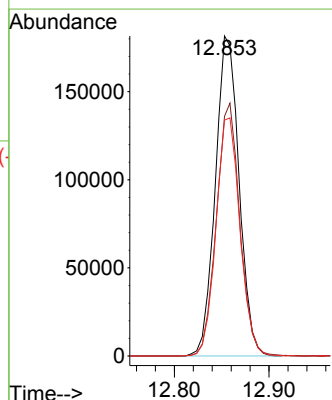
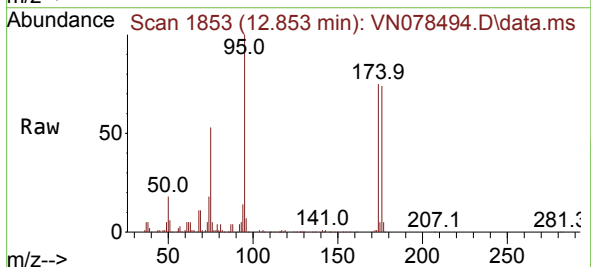
Instrument :
MSVOA_N
ClientSampleId :
BP-TB-20230712

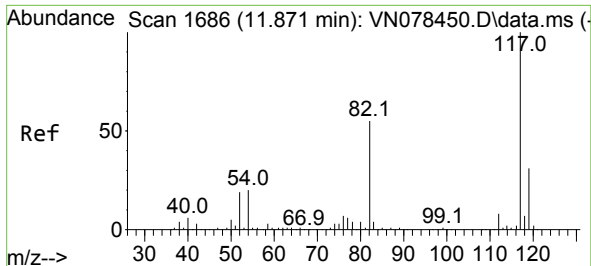
Tgt Ion: 98 Resp: 877081
Ion Ratio Lower Upper
98 100
100 63.8 52.0 78.0



#62
4-Bromofluorobenzene
Concen: 52.106 ug/l
RT: 12.853 min Scan# 1853
Delta R.T. -0.000 min
Lab File: VN078494.D
Acq: 13 Jul 2023 13:22

Tgt Ion: 95 Resp: 316244
Ion Ratio Lower Upper
95 100
174 78.0 0.0 143.8
176 75.1 0.0 135.8

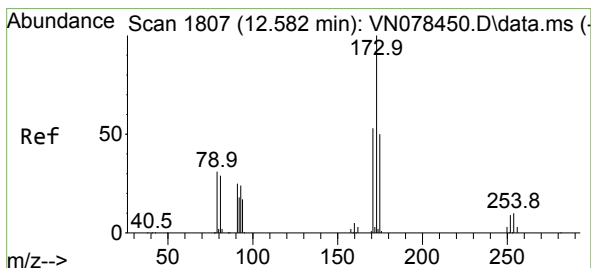
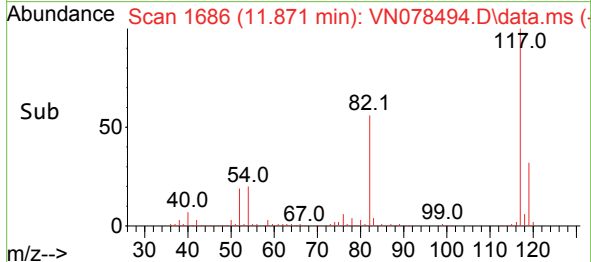
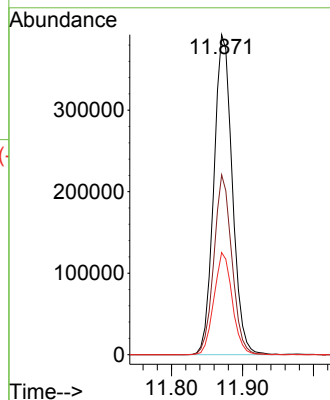
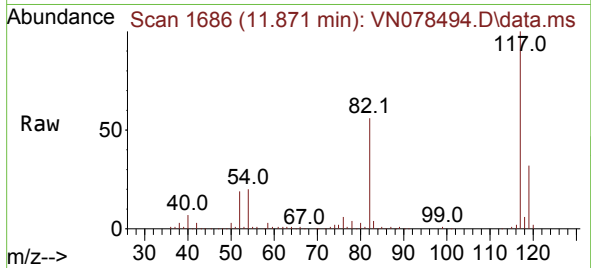




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.871 min Scan# 117
Delta R.T. -0.000 min
Lab File: VN078494.D
Acq: 13 Jul 2023 13:22

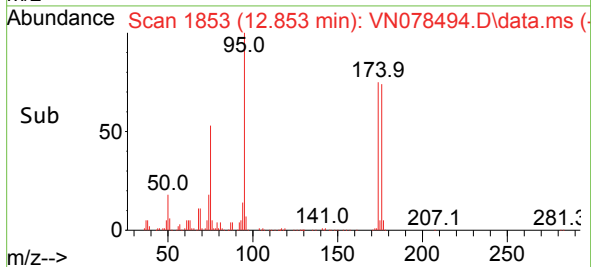
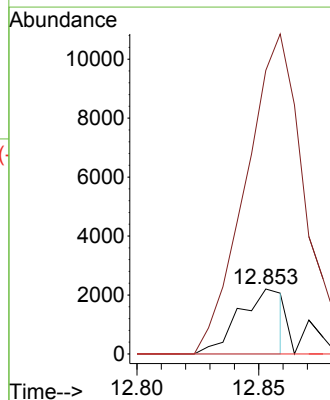
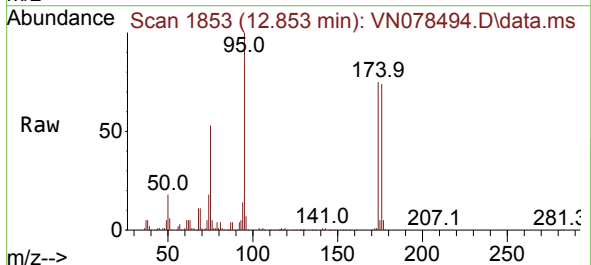
Instrument :
MSVOA_N
ClientSampleId :
BP-TB-20230712

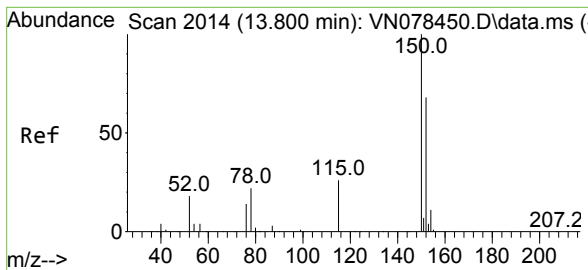
Tgt Ion:117 Resp: 707947
Ion Ratio Lower Upper
117 100
82 56.2 44.0 66.0
119 31.9 25.6 38.4



#71
Bromoform
Concen: 0.678 ug/l
RT: 12.853 min Scan# 1853
Delta R.T. 0.271 min
Lab File: VN078494.D
Acq: 13 Jul 2023 13:22

Tgt Ion:173 Resp: 2794
Ion Ratio Lower Upper
173 100
175 0.0 24.3 73.0#
254 0.0 0.0 0.0

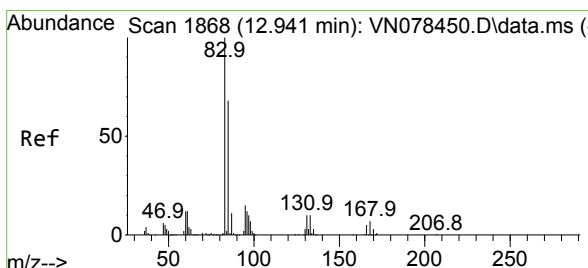
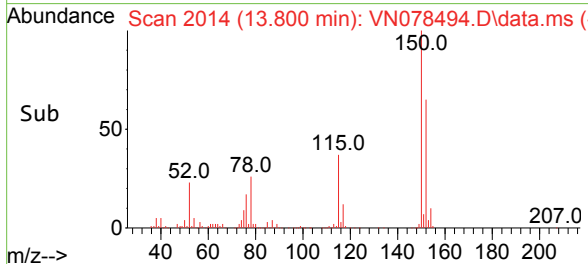
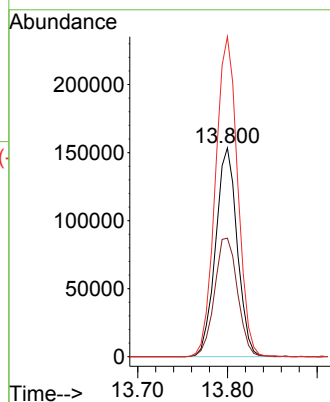
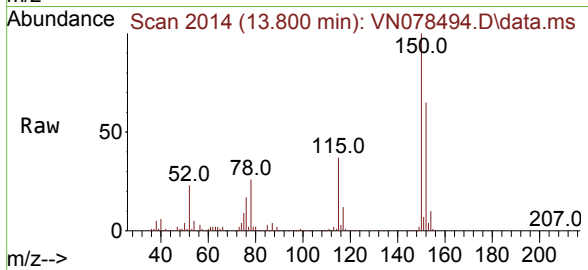




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.800 min Scan# 2014
Delta R.T. -0.000 min
Lab File: VN078494.D
Acq: 13 Jul 2023 13:22

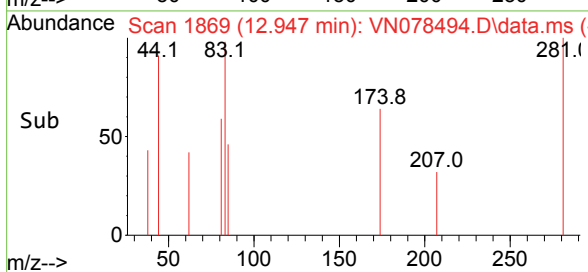
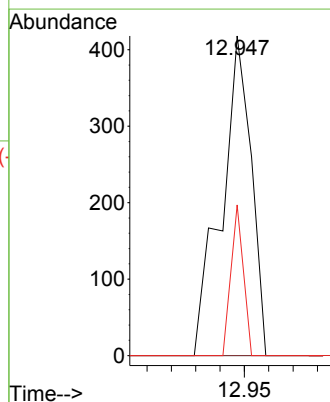
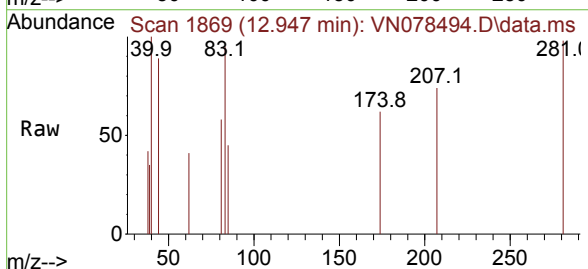
Instrument :
MSVOA_N
ClientSampleId :
BP-TB-20230712

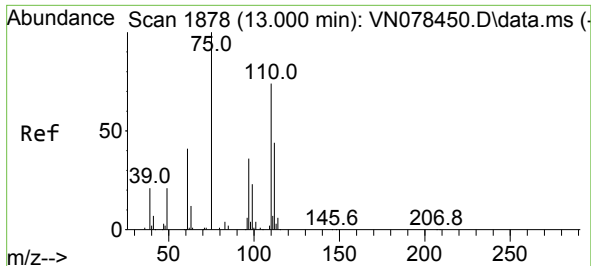
Tgt Ion:152 Resp: 256408
Ion Ratio Lower Upper
152 100
115 60.7 32.3 96.8
150 157.6 0.0 355.8



#75
1,1,2,2-Tetrachloroethane
Concen: Below Cal
RT: 12.947 min Scan# 1869
Delta R.T. 0.006 min
Lab File: VN078494.D
Acq: 13 Jul 2023 13:22

Tgt Ion: 83 Resp: 356
Ion Ratio Lower Upper
83 100
131 0.0 5.0 15.0#
85 19.7 31.9 95.7#

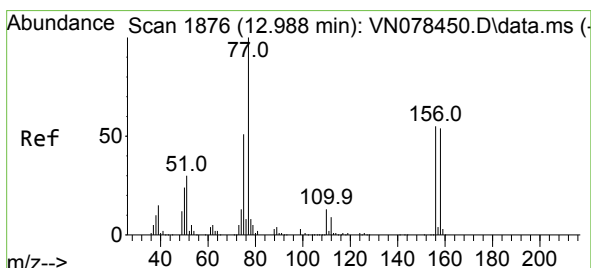
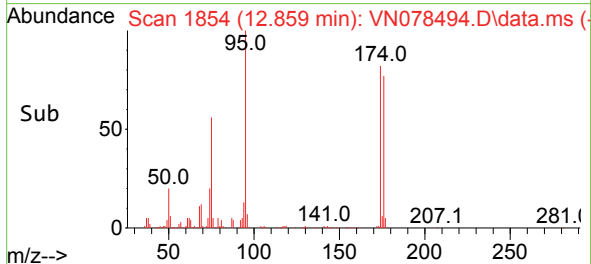
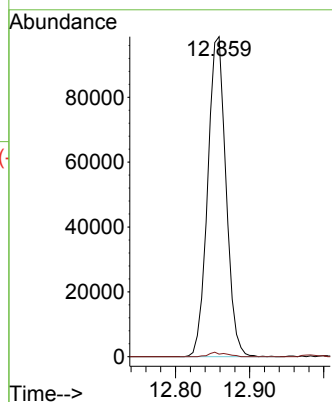
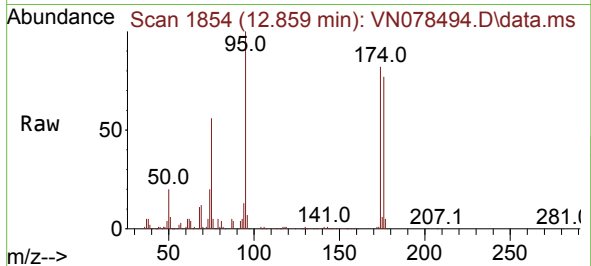




#76
1,2,3-Trichloropropane
Concen: 27.280 ug/l
RT: 12.859 min Scan# 1854
Delta R.T. -0.141 min
Lab File: VN078494.D
Acq: 13 Jul 2023 13:22

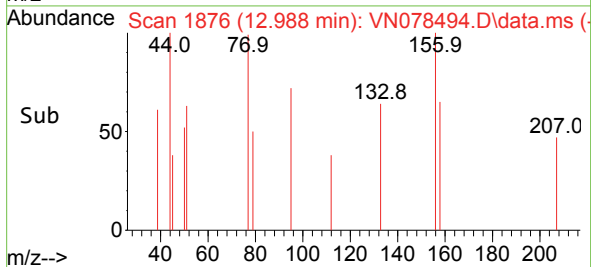
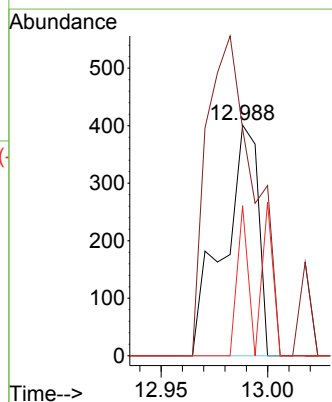
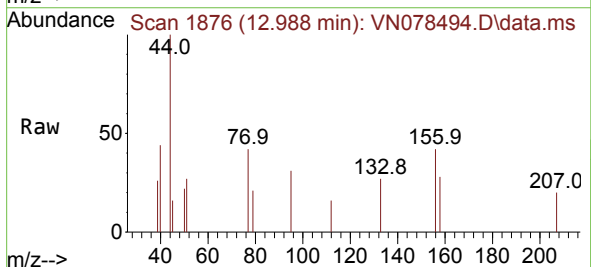
Instrument :
MSVOA_N
ClientSampleId :
BP-TB-20230712

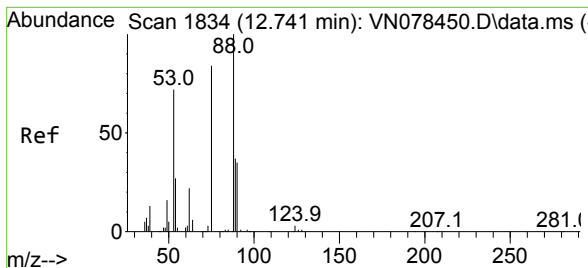
Tgt Ion: 75 Resp: 169070
Ion Ratio Lower Upper
75 100
77 1.3 84.5 253.5#



#77
Bromobenzene
Concen: Below Cal
RT: 12.988 min Scan# 1876
Delta R.T. 0.000 min
Lab File: VN078494.D
Acq: 13 Jul 2023 13:22

Tgt Ion:156 Resp: 455
Ion Ratio Lower Upper
156 100
77 186.2 107.7 323.3
158 40.9 48.4 145.3#

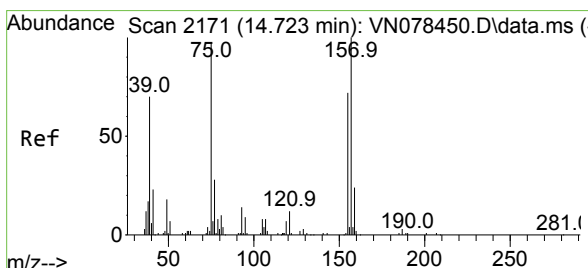
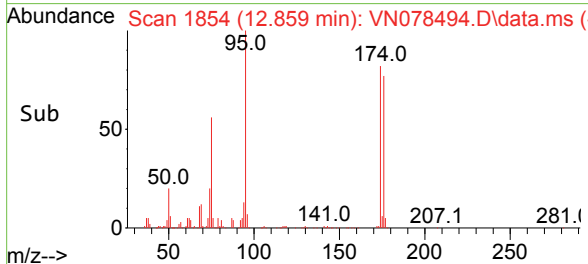
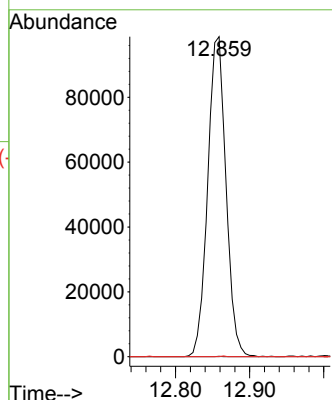
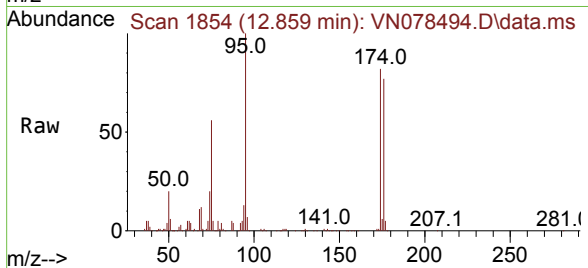




#81
trans-1,4-Dichloro-2-butene
Concen: 71.685 ug/l
RT: 12.859 min Scan# 11
Delta R.T. 0.118 min
Lab File: VN078494.D
Acq: 13 Jul 2023 13:22

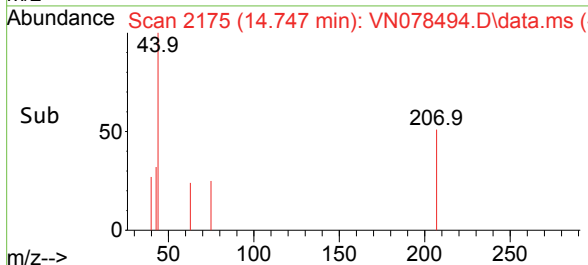
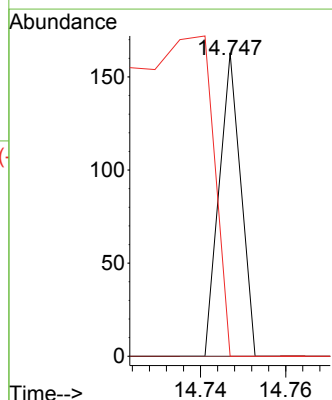
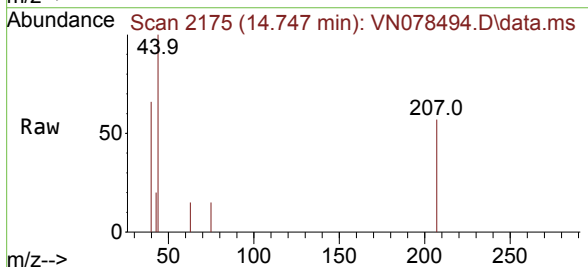
Instrument :
MSVOA_N
ClientSampleId :
BP-TB-20230712

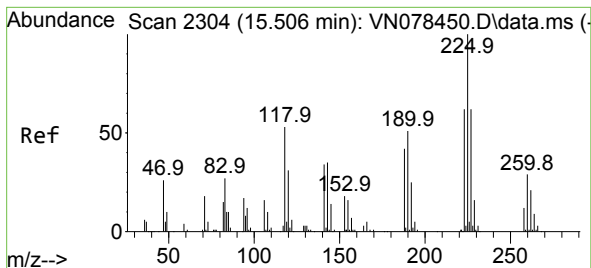
Tgt Ion: 75 Resp: 169070
Ion Ratio Lower Upper
75 100
53 0.0 67.4 101.2#
89 0.1 38.8 58.2#



#92
1,2-Dibromo-3-Chloropropane
Concen: Below Cal
RT: 14.747 min Scan# 2175
Delta R.T. 0.024 min
Lab File: VN078494.D
Acq: 13 Jul 2023 13:22

Tgt Ion: 75 Resp: 58
Ion Ratio Lower Upper
75 100
155 0.0 39.1 117.2#
157 396.6 50.3 150.9#





#94

Hexachlorobutadiene

Concen: Below Cal

RT: 15.517 min Scan# 21

Delta R.T. 0.011 min

Lab File: VN078494.D

Acq: 13 Jul 2023 13:22

Instrument :

MSVOA_N

ClientSampleId :

BP-TB-20230712

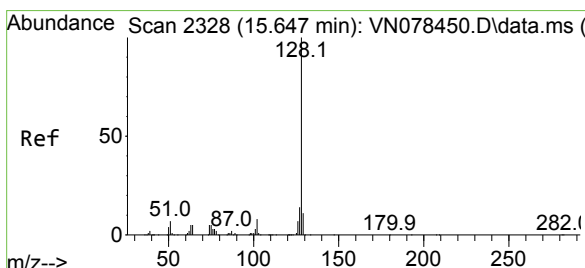
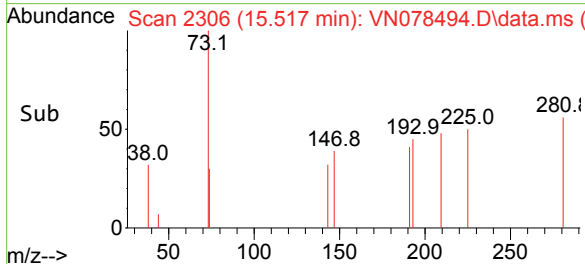
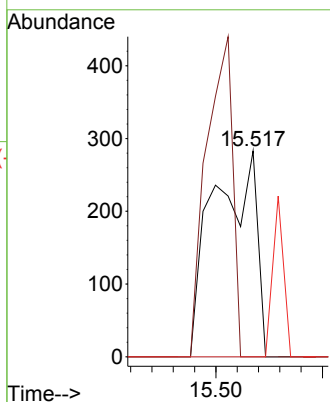
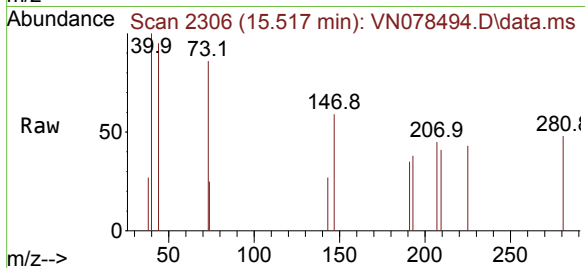
Tgt Ion:225 Resp: 395

Ion Ratio Lower Upper

225 100

223 94.9 31.3 93.8#

227 0.0 31.9 95.9#



#95

Naphthalene

Concen: 0.330 ug/l

RT: 15.647 min Scan# 2328

Delta R.T. -0.000 min

Lab File: VN078494.D

Acq: 13 Jul 2023 13:22

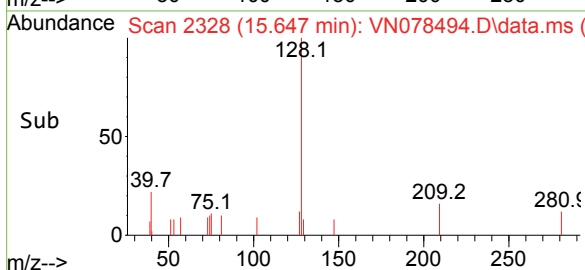
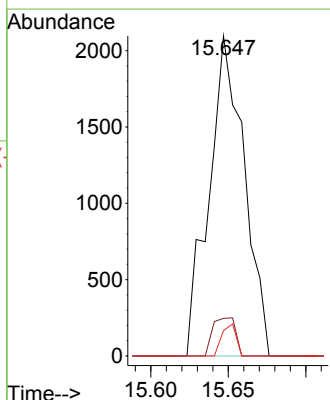
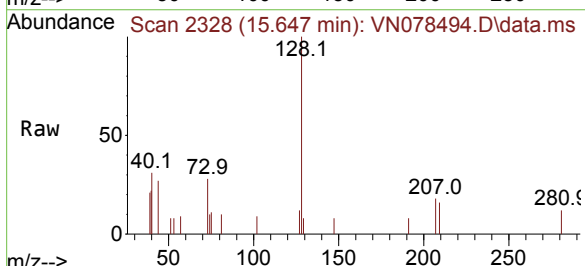
Tgt Ion:128 Resp: 3316

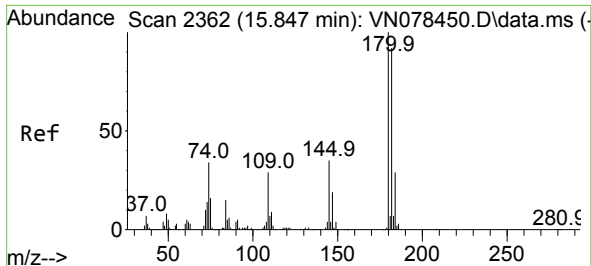
Ion Ratio Lower Upper

128 100

127 7.7 10.0 15.0#

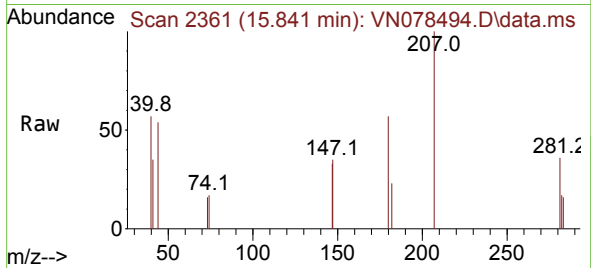
129 4.0 8.7 13.1#





#96
 1,2,3-Trichlorobenzene
 Concen: 0.202 ug/l
 RT: 15.841 min Scan# 21
 Delta R.T. -0.006 min
 Lab File: VN078494.D
 Acq: 13 Jul 2023 13:22

Instrument :
 MSVOA_N
 ClientSampleId :
 BP-TB-20230712



Tgt Ion:180	Resp:	683
Ion	Ratio	Lower Upper
180	100	
182	97.1	46.2 138.6
145	20.4	17.5 52.6

