

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN050123\
 Data File : VN077546.D
 Acq On : 01 May 2023 16:48
 Operator : JC\MD
 Sample : 02547-01
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 BP-TB-20230426

Quant Time: May 01 22:04:09 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N042423W.M
 Quant Title : SW846 8260
 QLast Update : Tue Apr 25 02:50:59 2023
 Response via : Initial Calibration

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

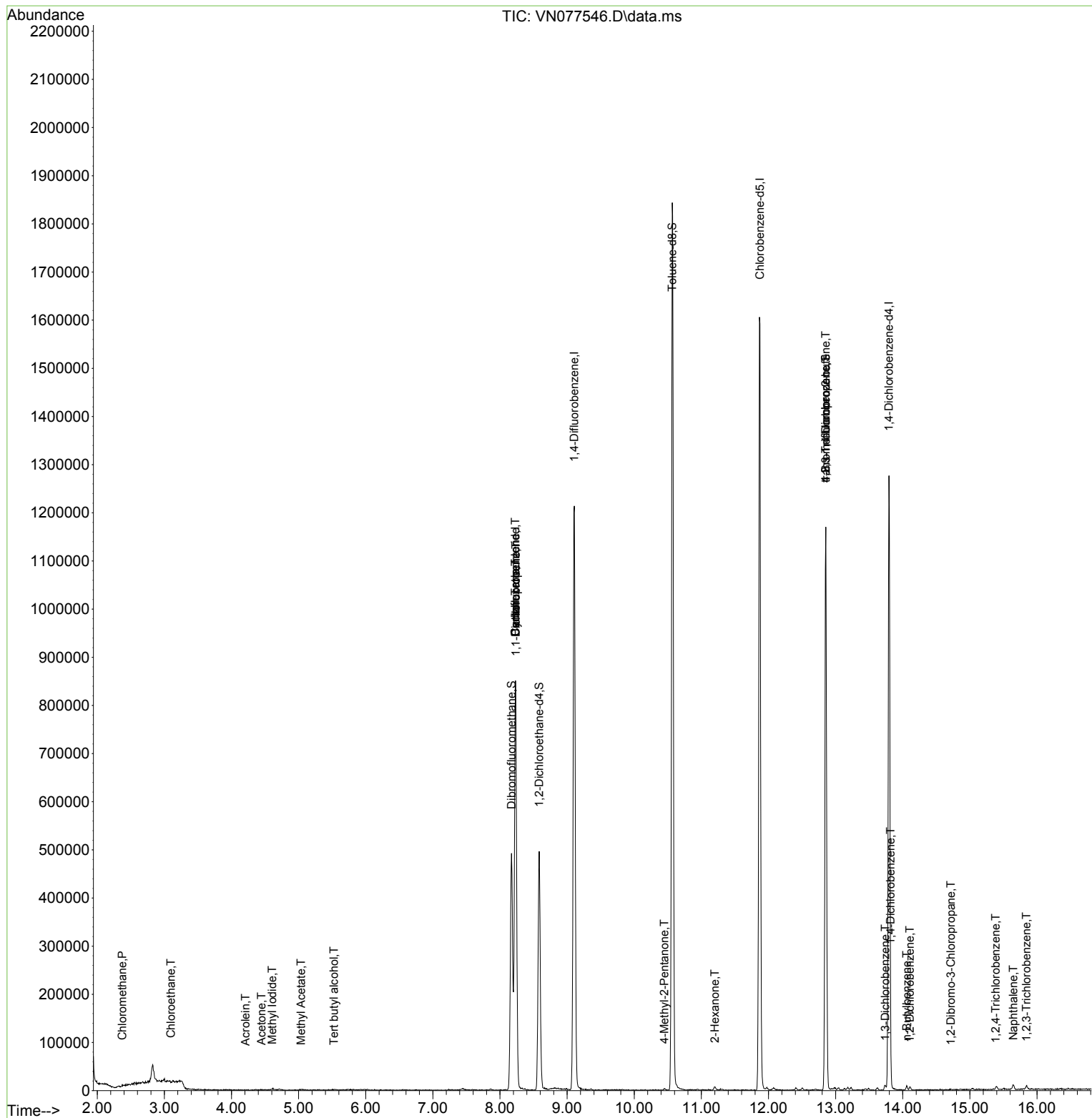
Internal Standards						
1) Pentafluorobenzene	8.231	168	613033	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.107	114	1138747	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.872	117	996960	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.795	152	351564	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.584	65	400358	50.049	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	= 100.100%	
35) Dibromofluoromethane	8.172	113	354865	51.848	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	= 103.700%	
50) Toluene-d8	10.566	98	1361815	51.915	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	= 103.840%	
62) 4-Bromofluorobenzene	12.854	95	422901	49.276	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	= 98.560%	
Target Compounds						
					Qvalue	
3) Chloromethane	2.372	50	1587	0.258	ug/l #	61
6) Chloroethane	3.096	64	1325	0.213	ug/l #	43
10) Methyl Iodide	4.607	142	1904	0.221	ug/l #	88
11) Tert butyl alcohol	5.525	59	1958	1.525	ug/l #	72
13) Acrolein	4.207	56	427	0.334	ug/l #	69
16) Acetone	4.448	43	1744	0.685	ug/l #	40
18) Methyl Acetate	5.037	43	2863	0.291	ug/l #	57
31) Cyclohexane	8.231	56	14925	1.317	ug/l #	1
36) 1,1-Dichloropropene	8.236	75	51922	5.251	ug/l #	50
38) Carbon Tetrachloride	8.231	117	69430	6.364	ug/l #	16
51) 4-Methyl-2-Pentanone	10.448	43	2296	0.301	ug/l	92
59) 2-Hexanone	11.201	43	4557	0.822	ug/l	89
76) 1,2,3-Trichloropropane	12.854	75	221986	27.153	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.854	75	221986	76.713	ug/l #	15
87) 1,3-Dichlorobenzene	13.742	146	2840	0.225	ug/l #	62
88) 1,4-Dichlorobenzene	13.818	146	3727	0.299	ug/l #	45
89) n-Butylbenzene	14.060	91	5107	0.266	ug/l	85
91) 1,2-Dichlorobenzene	14.107	146	2953	0.235	ug/l	95
92) 1,2-Dibromo-3-Chloropr...	14.718	75	463	0.244	ug/l	91
93) 1,2,4-Trichlorobenzene	15.383	180	2264	1.678	ug/l #	80
95) Naphthalene	15.648	128	10221	2.213	ug/l	95
96) 1,2,3-Trichlorobenzene	15.842	180	2404	1.497	ug/l	87

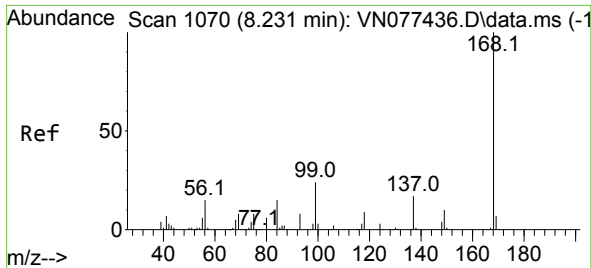
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN050123\
Data File : VN077546.D
Acq On : 01 May 2023 16:48
Operator : JC\MD
Sample : 02547-01
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 10 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
BP-TB-20230426

Quant Time: May 01 22:04:09 2023
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N042423W.M
Quant Title : SW846 8260
QLast Update : Tue Apr 25 02:50:59 2023
Response via : Initial Calibration

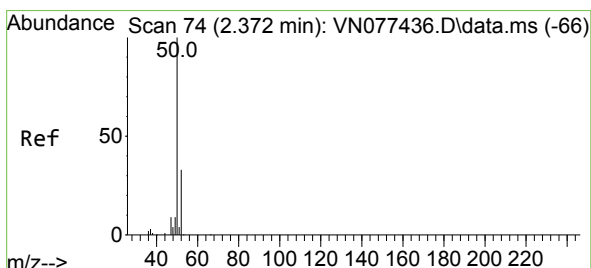
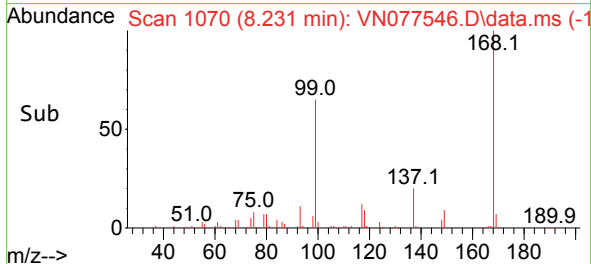
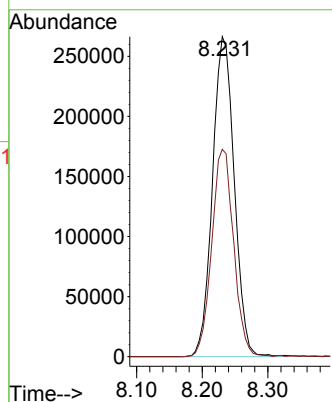
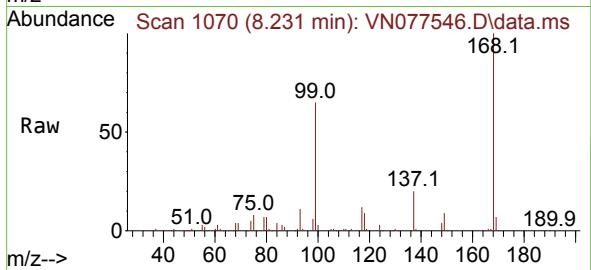




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.231 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN077546.D
Acq: 01 May 2023 16:48

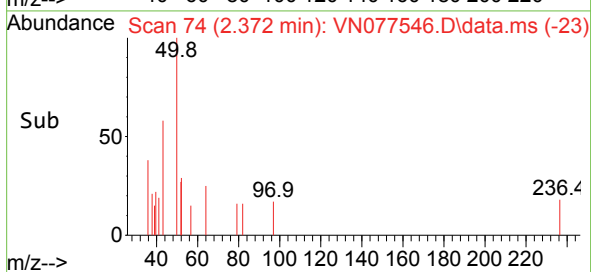
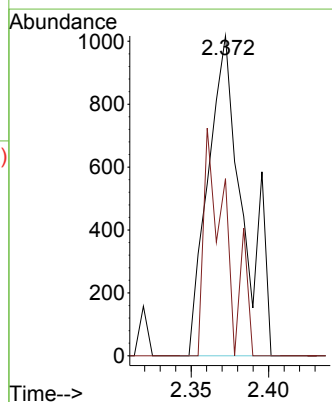
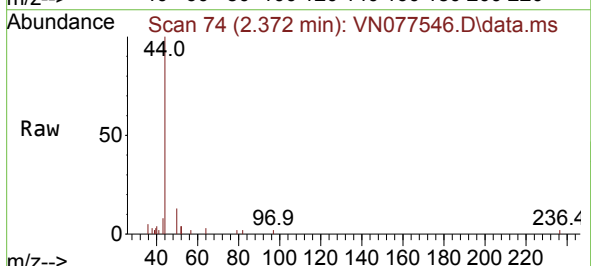
Instrument :
MSVOA_N
ClientSampleId :
BP-TB-20230426

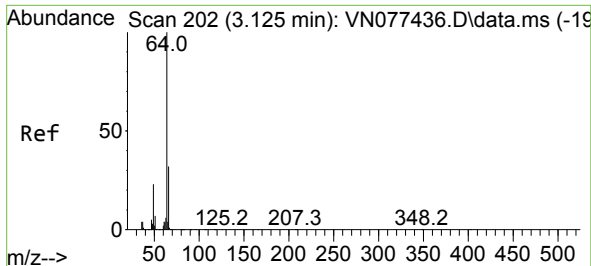
Tgt Ion:168 Resp: 613033
Ion Ratio Lower Upper
168 100
99 64.8 53.0 79.6



#3
Chloromethane
Concen: 0.258 ug/l
RT: 2.372 min Scan# 74
Delta R.T. -0.000 min
Lab File: VN077546.D
Acq: 01 May 2023 16:48

Tgt Ion: 50 Resp: 1587
Ion Ratio Lower Upper
50 100
52 55.4 26.5 39.7#

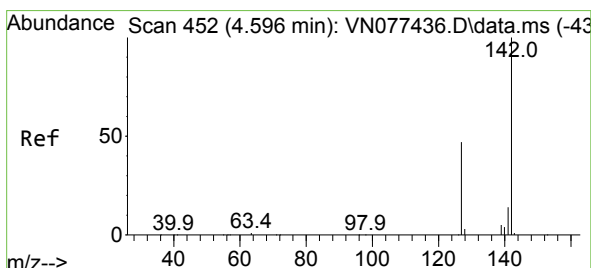
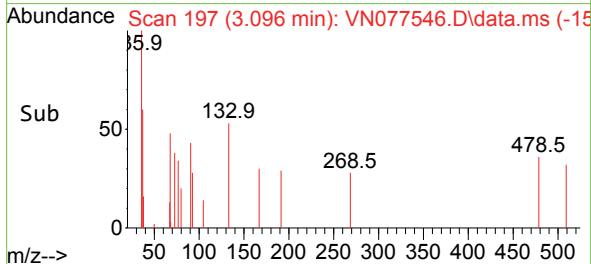
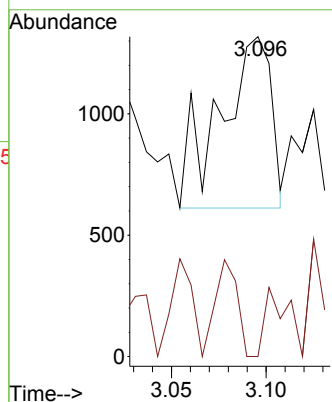
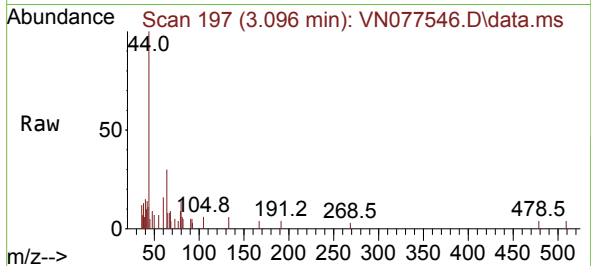




#6
Chloroethane
Concen: 0.213 ug/l
RT: 3.096 min Scan# 197
Delta R.T. -0.029 min
Lab File: VN077546.D
Acq: 01 May 2023 16:48

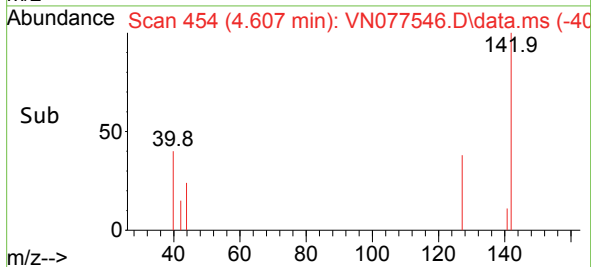
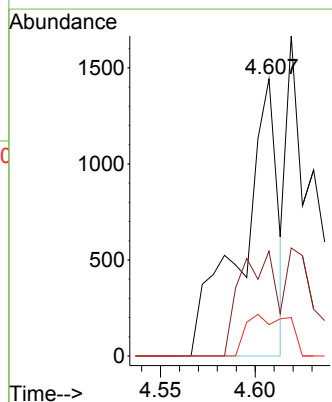
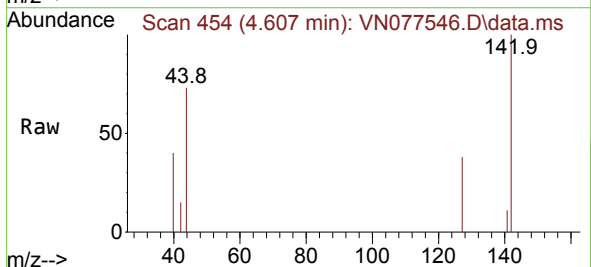
Instrument :
MSVOA_N
ClientSampleId :
BP-TB-20230426

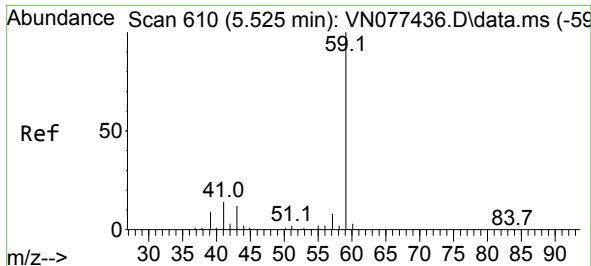
Tgt Ion: 64 Resp: 1325
Ion Ratio Lower Upper
64 100
66 0.0 25.4 38.2#



#10
Methyl Iodide
Concen: 0.221 ug/l
RT: 4.607 min Scan# 454
Delta R.T. 0.012 min
Lab File: VN077546.D
Acq: 01 May 2023 16:48

Tgt Ion: 142 Resp: 1904
Ion Ratio Lower Upper
142 100
127 37.9 37.6 56.4
141 11.3 11.4 17.0#

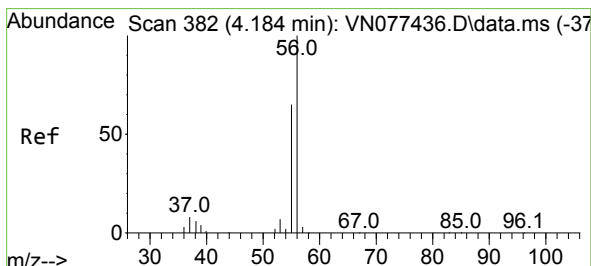
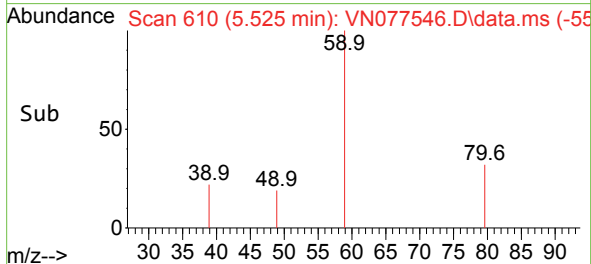
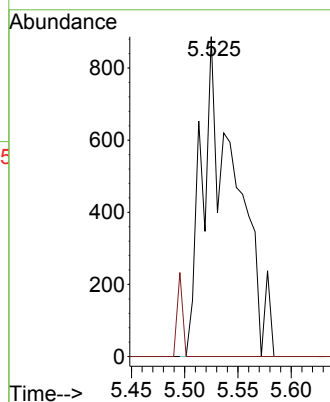
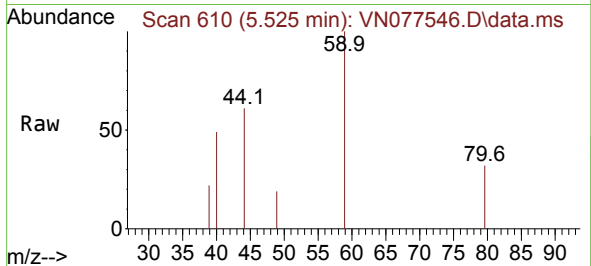




#11
Tert butyl alcohol
Concen: 1.525 ug/l
RT: 5.525 min Scan# 610
Delta R.T. -0.000 min
Lab File: VN077546.D
Acq: 01 May 2023 16:48

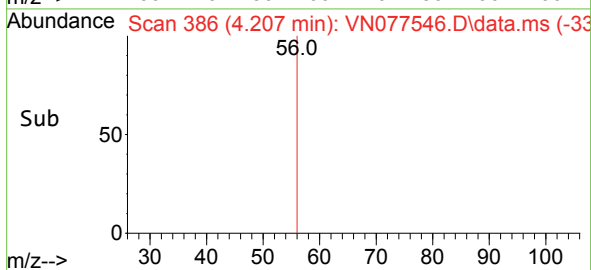
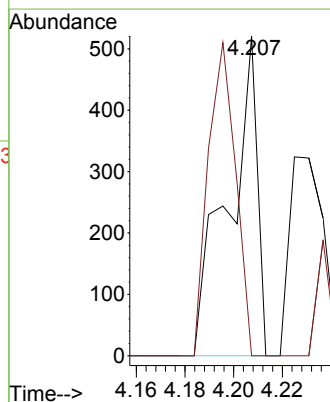
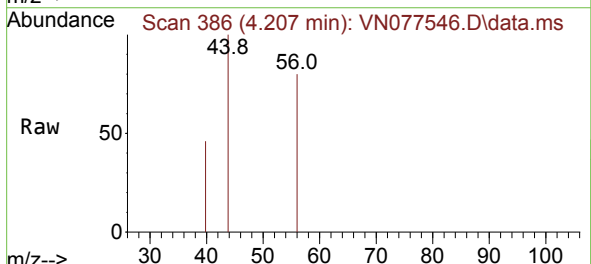
Instrument :
MSVOA_N
ClientSampleId :
BP-TB-20230426

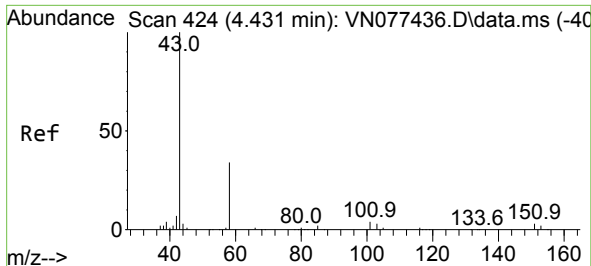
Tgt Ion: 59 Resp: 1958
Ion Ratio Lower Upper
59 100
57 0.0 8.2 12.4#



#13
Acrolein
Concen: 0.334 ug/l
RT: 4.207 min Scan# 386
Delta R.T. 0.023 min
Lab File: VN077546.D
Acq: 01 May 2023 16:48

Tgt Ion: 56 Resp: 427
Ion Ratio Lower Upper
56 100
55 93.4 54.5 81.7#

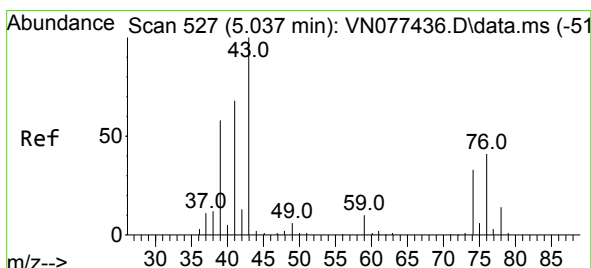
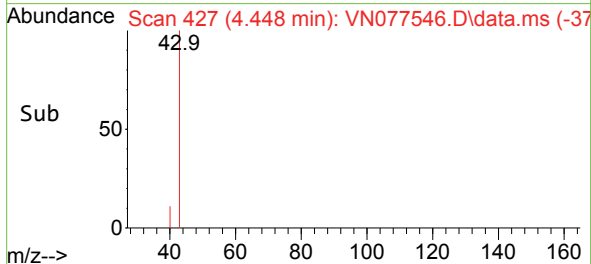
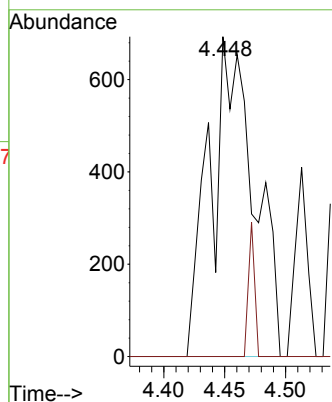
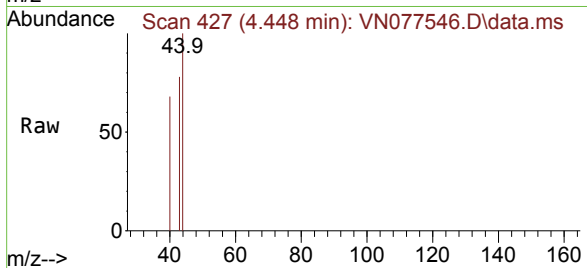




#16
Acetone
Concen: 0.685 ug/l
RT: 4.448 min Scan# 41
Delta R.T. 0.018 min
Lab File: VN077546.D
Acq: 01 May 2023 16:48

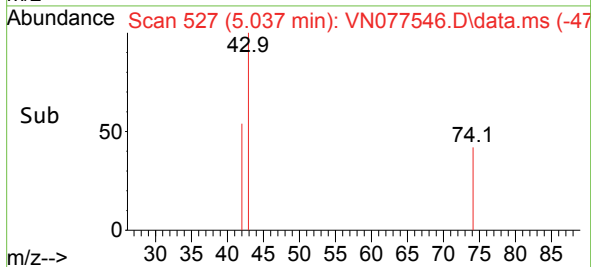
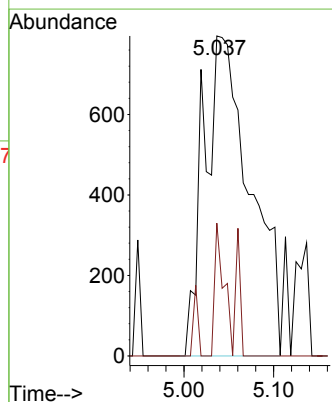
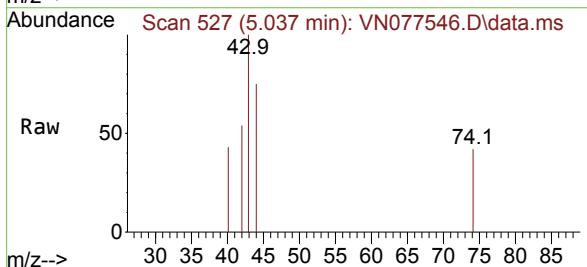
Instrument :
MSVOA_N
ClientSampleId :
BP-TB-20230426

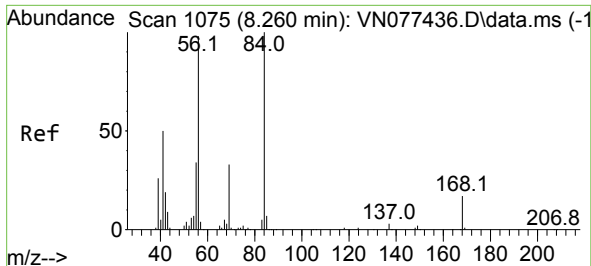
Tgt Ion: 43 Resp: 1744
Ion Ratio Lower Upper
43 100
58 0.0 28.0 42.0#



#18
Methyl Acetate
Concen: 0.291 ug/l
RT: 5.037 min Scan# 527
Delta R.T. -0.000 min
Lab File: VN077546.D
Acq: 01 May 2023 16:48

Tgt Ion: 43 Resp: 2863
Ion Ratio Lower Upper
43 100
74 8.3 26.2 39.4#

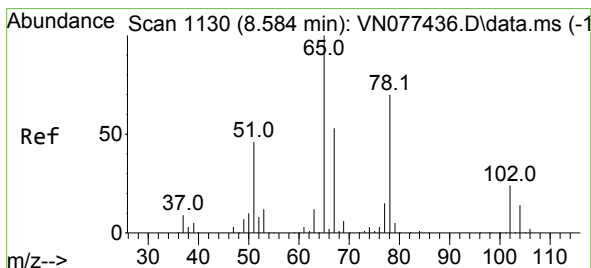
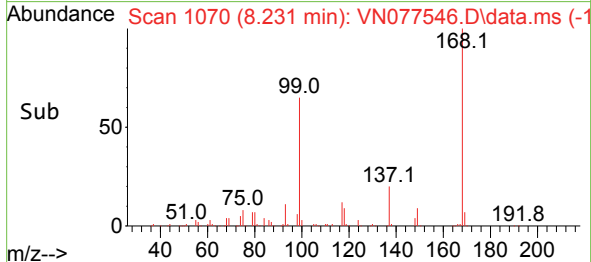
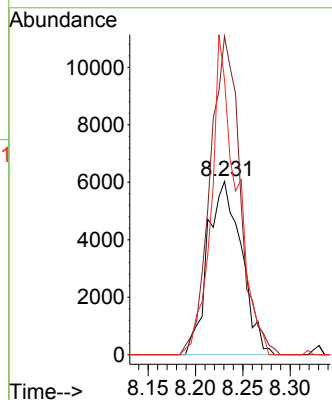
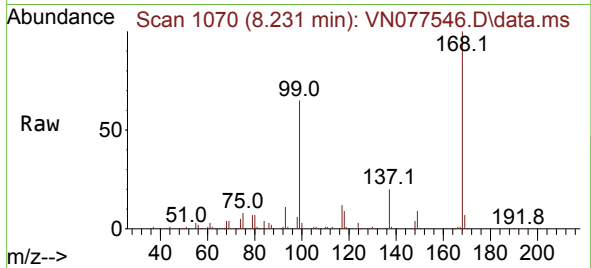




#31
Cyclohexane
Concen: 1.317 ug/l
RT: 8.231 min Scan# 1075
Delta R.T. -0.029 min
Lab File: VN077546.D
Acq: 01 May 2023 16:48

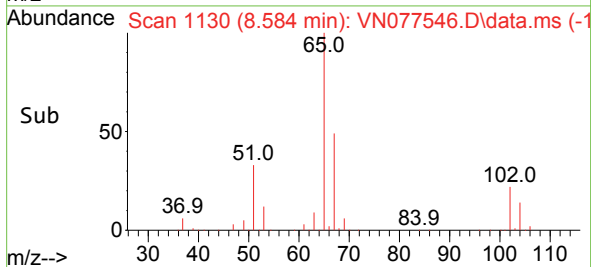
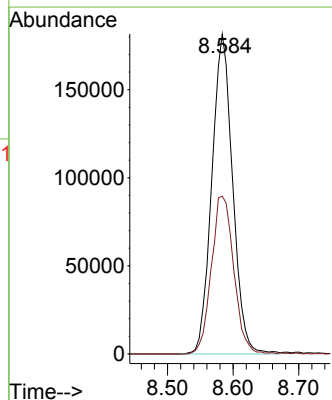
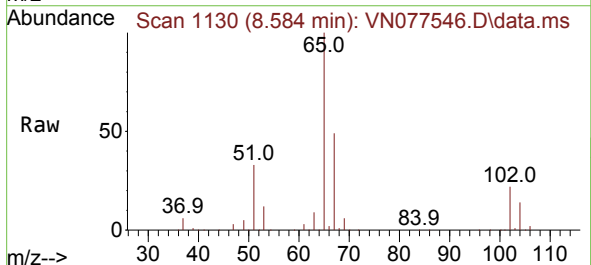
Instrument :
MSVOA_N
ClientSampleId :
BP-TB-20230426

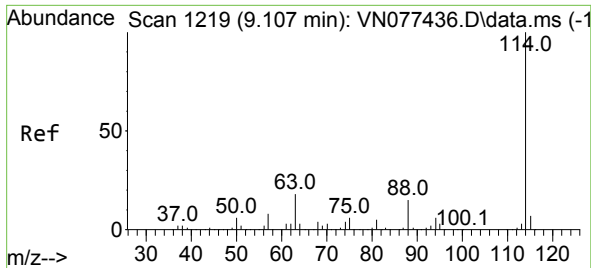
Tgt Ion: 56 Resp: 14925
Ion Ratio Lower Upper
56 100
69 183.6 26.8 40.2#
84 158.7 81.8 122.6#



#33
1,2-Dichloroethane-d4
Concen: 50.049 ug/l
RT: 8.584 min Scan# 1130
Delta R.T. -0.000 min
Lab File: VN077546.D
Acq: 01 May 2023 16:48

Tgt Ion: 65 Resp: 400358
Ion Ratio Lower Upper
65 100
67 53.1 0.0 106.6

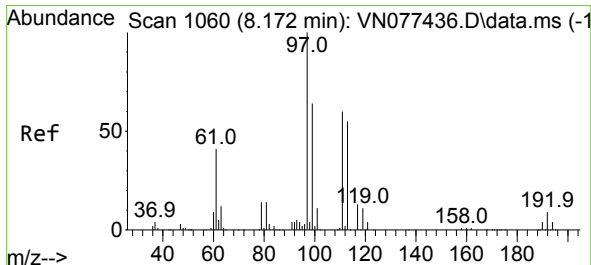
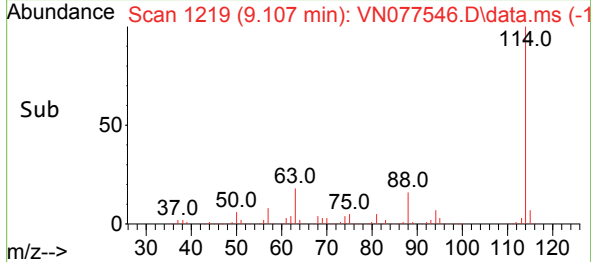
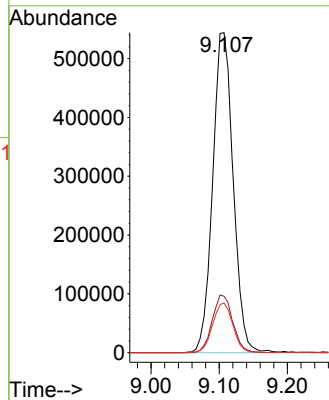
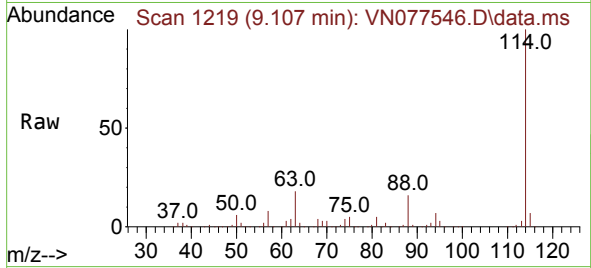




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 9.107 min Scan# 11
Delta R.T. 0.000 min
Lab File: VN077546.D
Acq: 01 May 2023 16:48

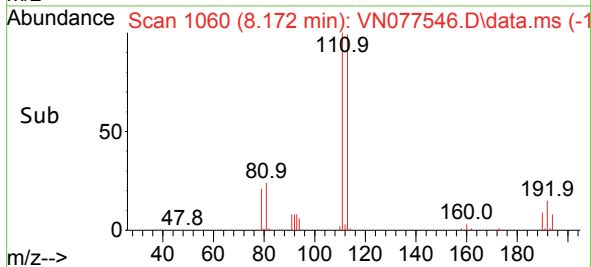
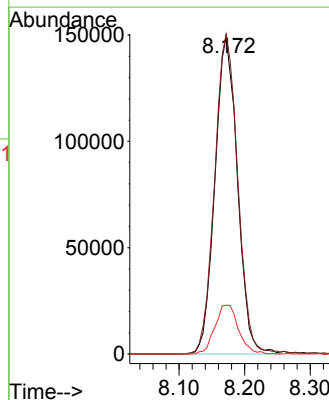
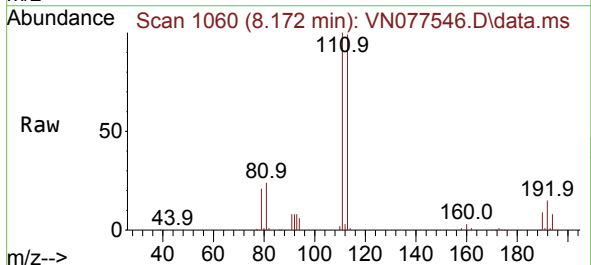
Instrument :
MSVOA_N
ClientSampleId :
BP-TB-20230426

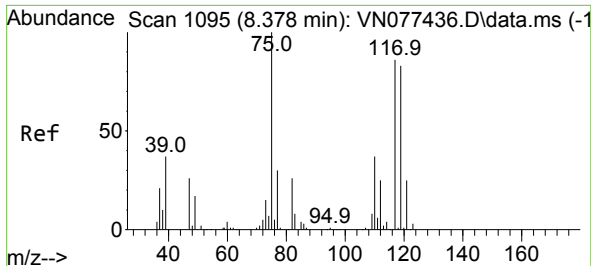
Tgt Ion:114 Resp: 1138747
Ion Ratio Lower Upper
114 100
63 17.7 0.0 36.4
88 15.5 0.0 30.6



#35
Dibromofluoromethane
Concen: 51.848 ug/l
RT: 8.172 min Scan# 1060
Delta R.T. -0.000 min
Lab File: VN077546.D
Acq: 01 May 2023 16:48

Tgt Ion:113 Resp: 354865
Ion Ratio Lower Upper
113 100
111 104.2 82.6 123.8
192 16.2 12.7 19.1





#36

1,1-Dichloropropene

Concen: 5.251 ug/l

RT: 8.236 min Scan# 1071

Delta R.T. -0.141 min

Lab File: VN077546.D

Acq: 01 May 2023 16:48

Instrument :

MSVOA_N

ClientSampleId :

BP-TB-20230426

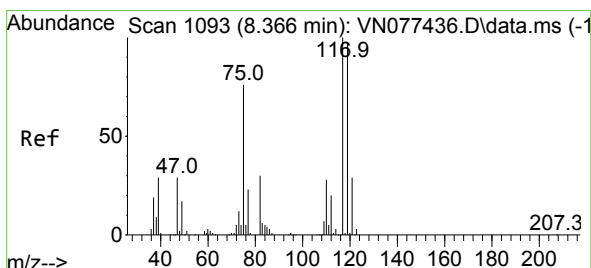
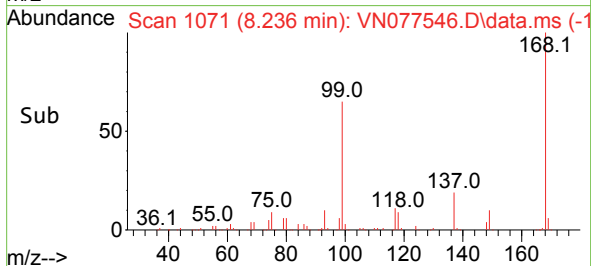
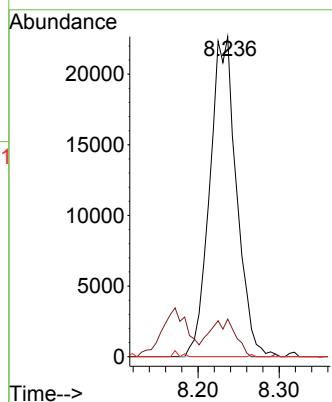
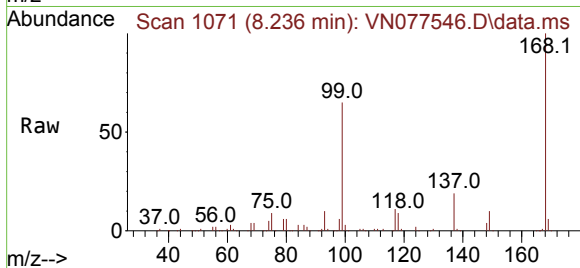
Tgt Ion: 75 Resp: 51922

Ion Ratio Lower Upper

75 100

110 11.4 19.1 57.3#

77 0.0 25.0 37.4#



#38

Carbon Tetrachloride

Concen: 6.364 ug/l

RT: 8.231 min Scan# 1070

Delta R.T. -0.135 min

Lab File: VN077546.D

Acq: 01 May 2023 16:48

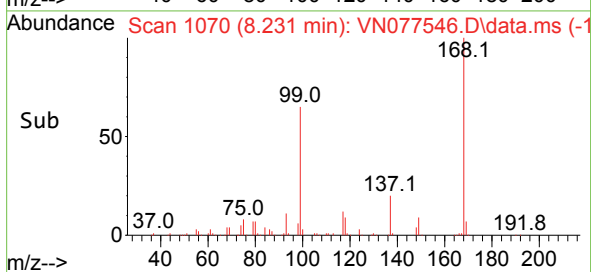
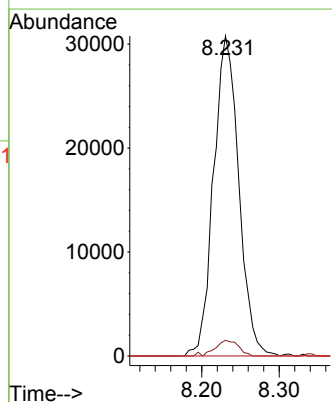
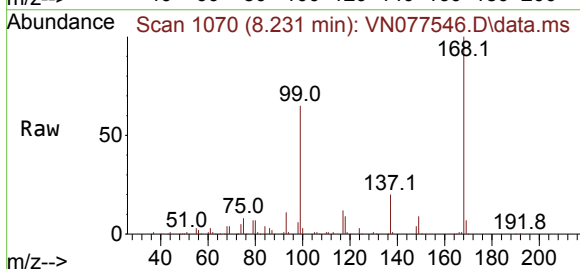
Tgt Ion: 117 Resp: 69430

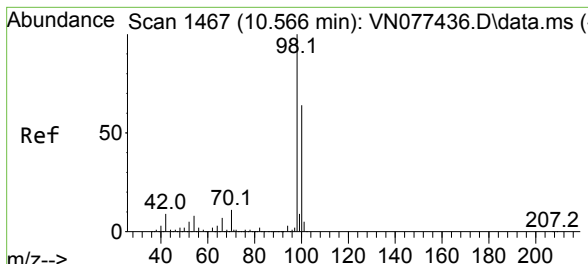
Ion Ratio Lower Upper

117 100

119 4.9 77.3 115.9#

121 0.0 23.3 34.9#

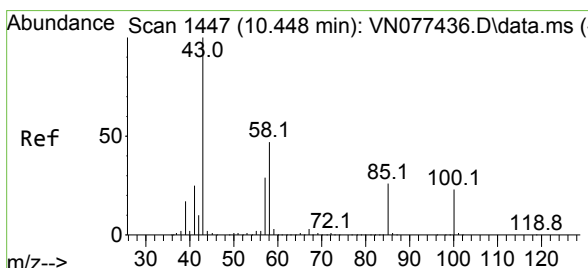
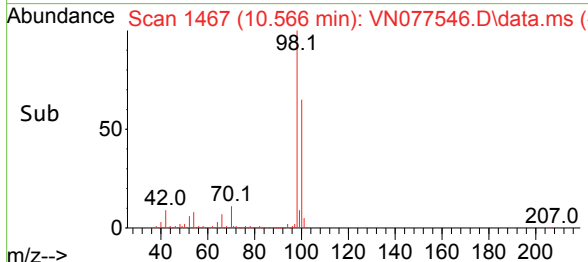
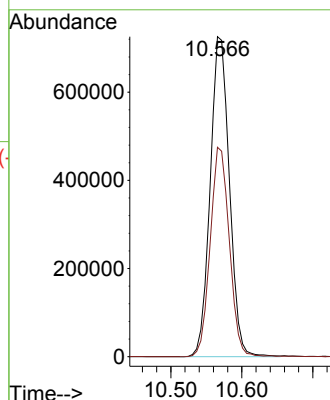
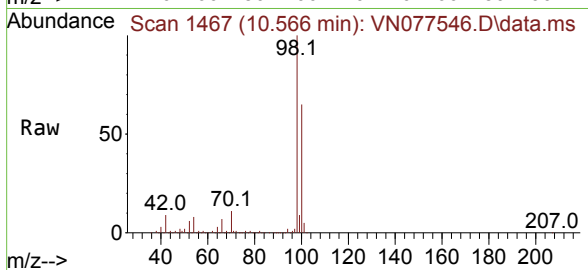




#50
Toluene-d8
Concen: 51.915 ug/l
RT: 10.566 min Scan# 1467
Delta R.T. -0.000 min
Lab File: VN077546.D
Acq: 01 May 2023 16:48

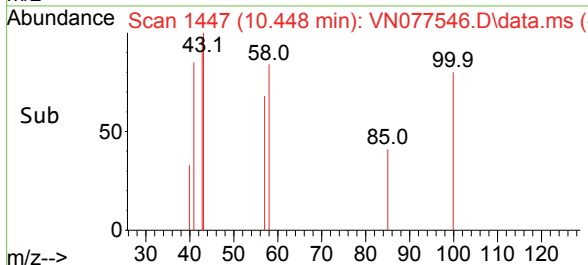
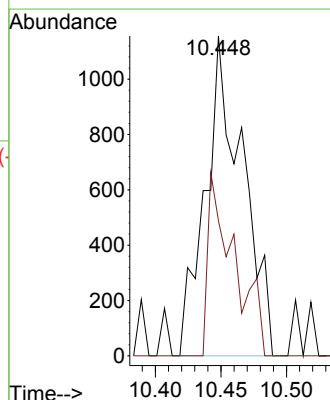
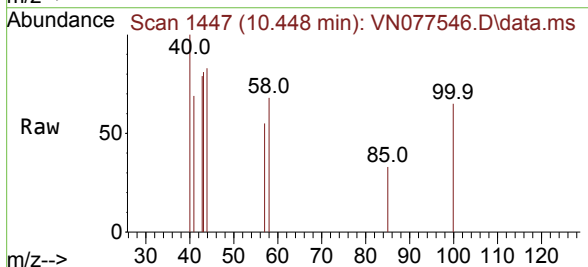
Instrument :
MSVOA_N
ClientSampleId :
BP-TB-20230426

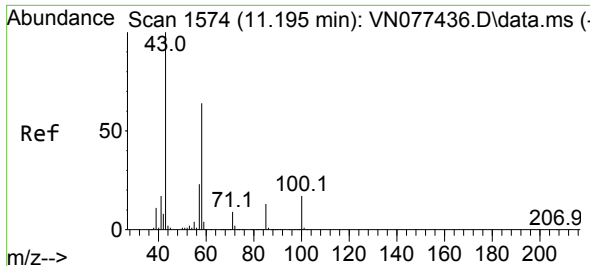
Tgt Ion: 98 Resp: 1361815
Ion Ratio Lower Upper
98 100
100 65.2 52.0 78.0



#51
4-Methyl-2-Pentanone
Concen: 0.301 ug/l
RT: 10.448 min Scan# 1447
Delta R.T. -0.000 min
Lab File: VN077546.D
Acq: 01 May 2023 16:48

Tgt Ion: 43 Resp: 2296
Ion Ratio Lower Upper
43 100
58 40.3 36.6 54.8

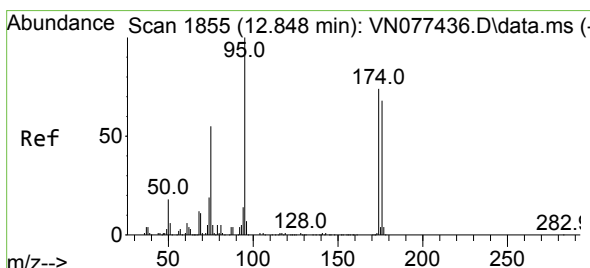
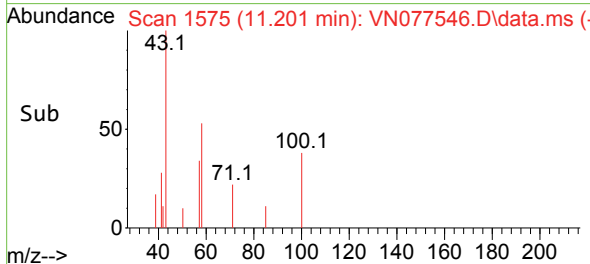
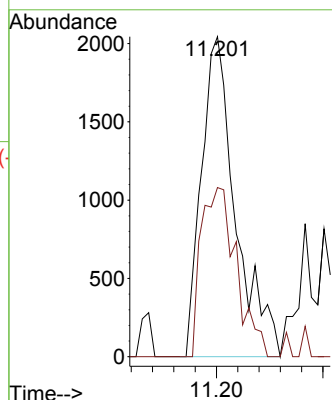
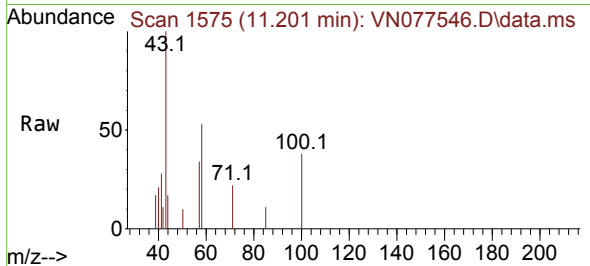




#59
2-Hexanone
Concen: 0.822 ug/l
RT: 11.201 min Scan# 111
Delta R.T. 0.006 min
Lab File: VN077546.D
Acq: 01 May 2023 16:48

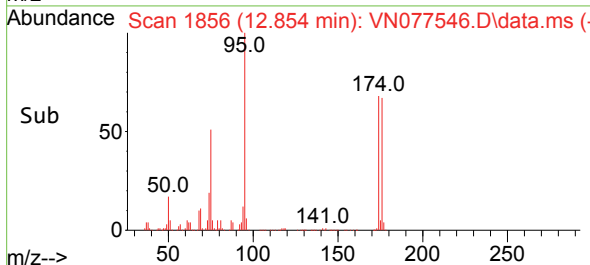
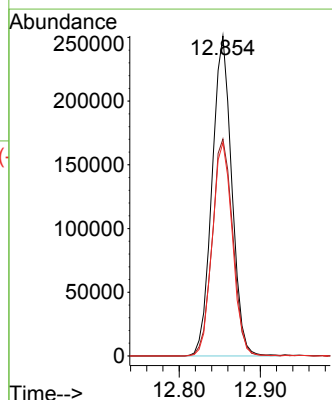
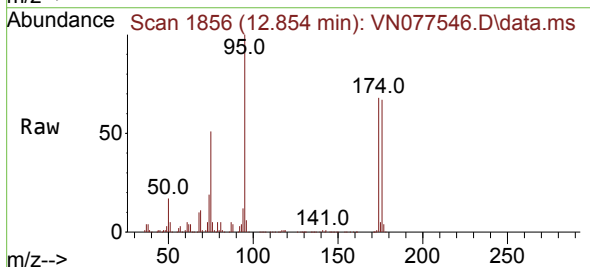
Instrument :
MSVOA_N
ClientSampleId :
BP-TB-20230426

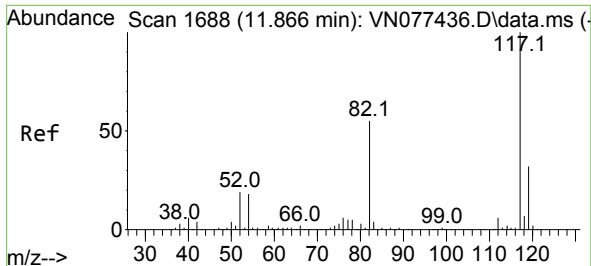
Tgt Ion: 43 Resp: 4557
Ion Ratio Lower Upper
43 100
58 54.5 31.7 95.1



#62
4-Bromofluorobenzene
Concen: 49.276 ug/l
RT: 12.854 min Scan# 1856
Delta R.T. 0.006 min
Lab File: VN077546.D
Acq: 01 May 2023 16:48

Tgt Ion: 95 Resp: 422901
Ion Ratio Lower Upper
95 100
174 70.7 0.0 143.8
176 68.2 0.0 135.8

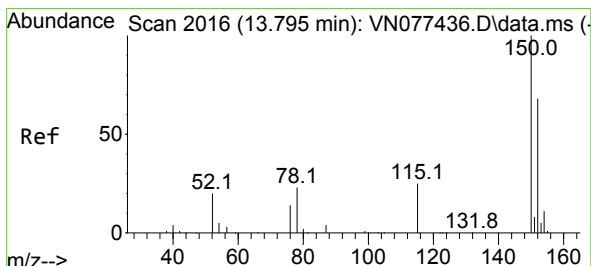
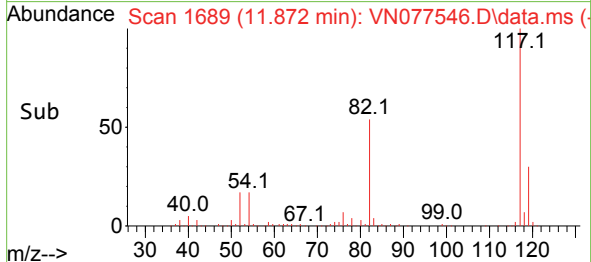
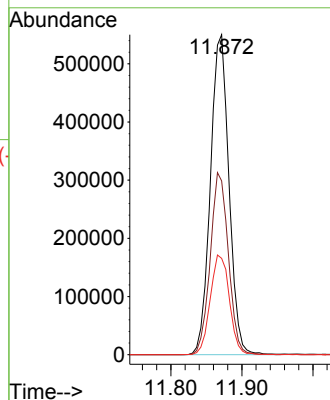
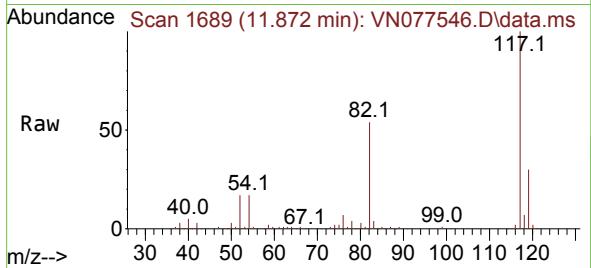




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.872 min Scan# 117
Delta R.T. 0.006 min
Lab File: VN077546.D
Acq: 01 May 2023 16:48

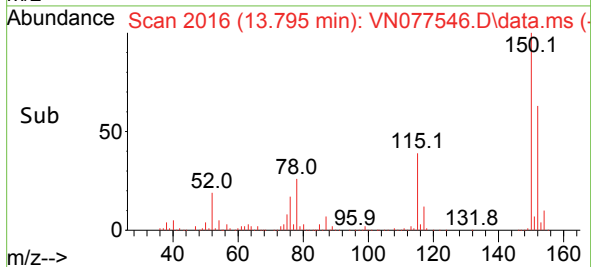
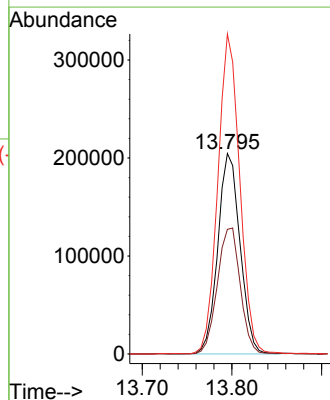
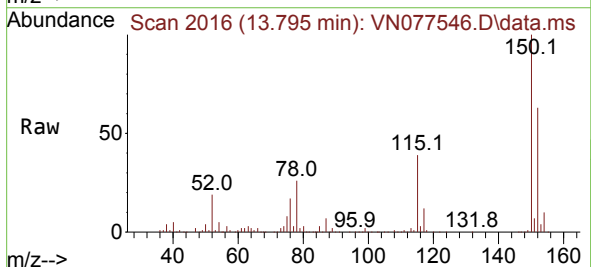
Instrument :
MSVOA_N
ClientSampleId :
BP-TB-20230426

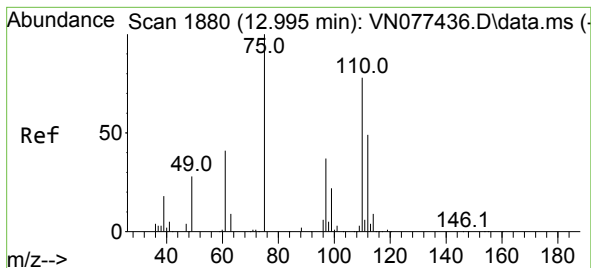
Tgt Ion:117 Resp: 996960
Ion Ratio Lower Upper
117 100
82 54.3 44.0 66.0
119 30.1 25.6 38.4



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.795 min Scan# 2016
Delta R.T. -0.000 min
Lab File: VN077546.D
Acq: 01 May 2023 16:48

Tgt Ion:152 Resp: 351564
Ion Ratio Lower Upper
152 100
115 65.1 32.3 96.8
150 157.4 0.0 355.8





#76

1,2,3-Trichloropropane

Concen: 27.153 ug/l

RT: 12.854 min Scan# 1856

Delta R.T. -0.141 min

Lab File: VN077546.D

Acq: 01 May 2023 16:48

Instrument :

MSVOA_N

ClientSampleId :

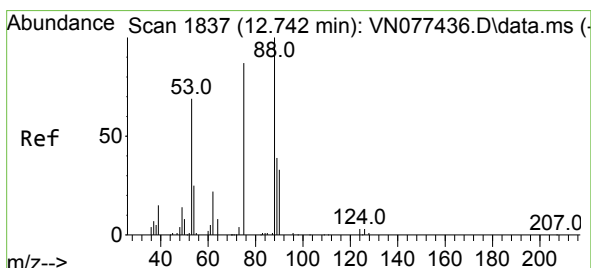
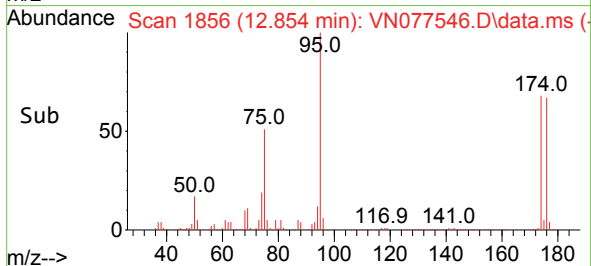
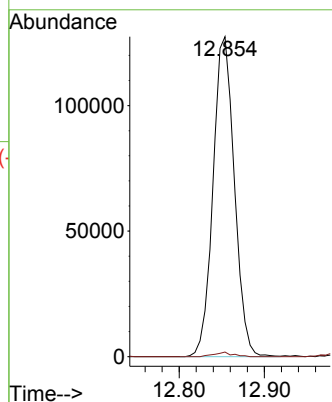
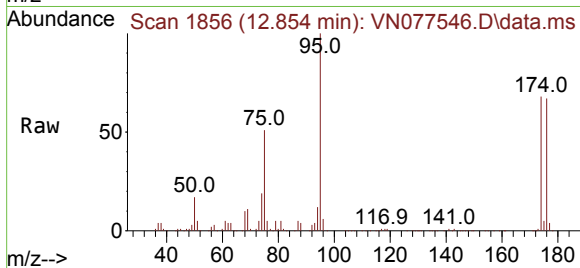
BP-TB-20230426

Tgt Ion: 75 Resp: 221986

Ion Ratio Lower Upper

75 100

77 1.2 84.5 253.5#



#81

trans-1,4-Dichloro-2-butene

Concen: 76.713 ug/l

RT: 12.854 min Scan# 1856

Delta R.T. 0.112 min

Lab File: VN077546.D

Acq: 01 May 2023 16:48

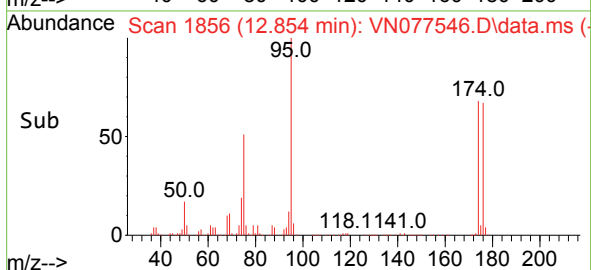
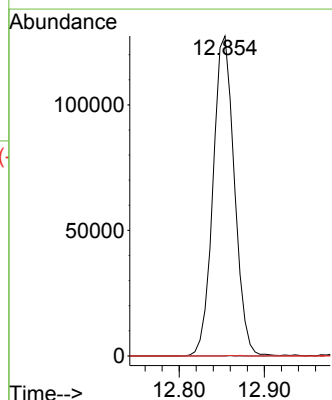
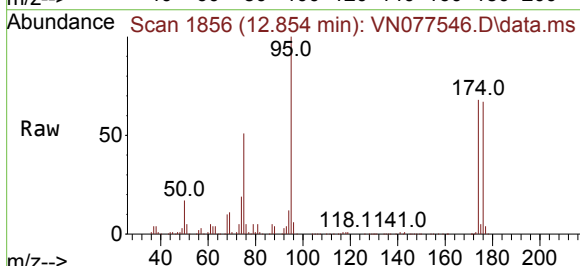
Tgt Ion: 75 Resp: 221986

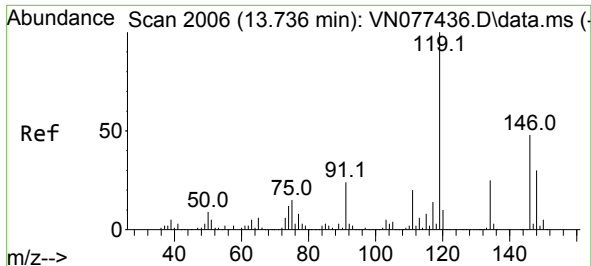
Ion Ratio Lower Upper

75 100

53 0.0 67.4 101.2#

89 0.0 38.8 58.2#





#87

1,3-Dichlorobenzene

Concen: 0.225 ug/l

RT: 13.742 min Scan# 2006

Delta R.T. 0.006 min

Lab File: VN077546.D

Acq: 01 May 2023 16:48

Instrument :

MSVOA_N

ClientSampleId :

BP-TB-20230426

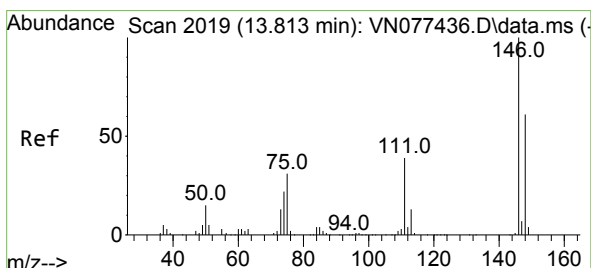
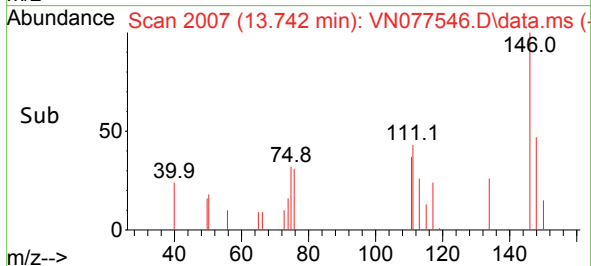
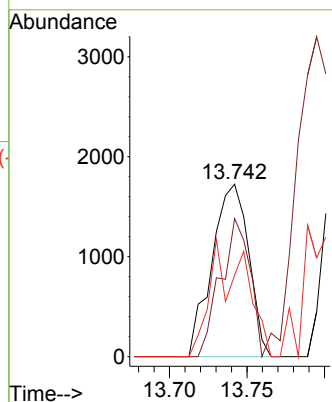
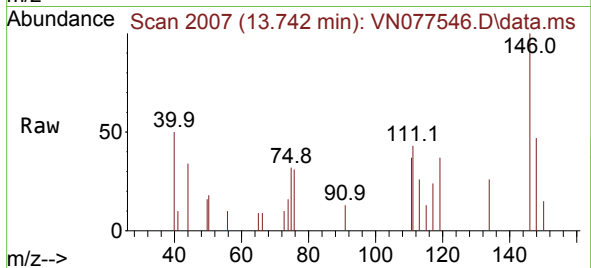
Tgt Ion:146 Resp: 2840

Ion Ratio Lower Upper

146 100

111 63.6 22.1 66.3

148 30.0 32.0 96.0#



#88

1,4-Dichlorobenzene

Concen: 0.299 ug/l

RT: 13.818 min Scan# 2020

Delta R.T. 0.006 min

Lab File: VN077546.D

Acq: 01 May 2023 16:48

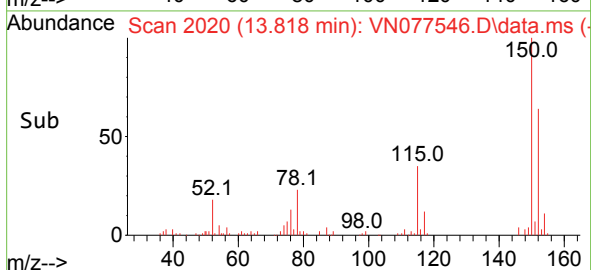
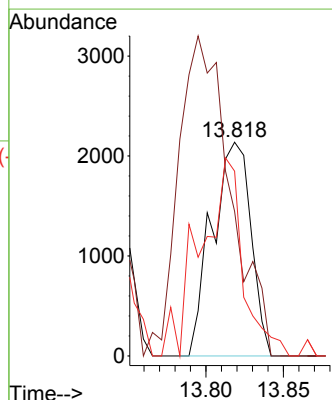
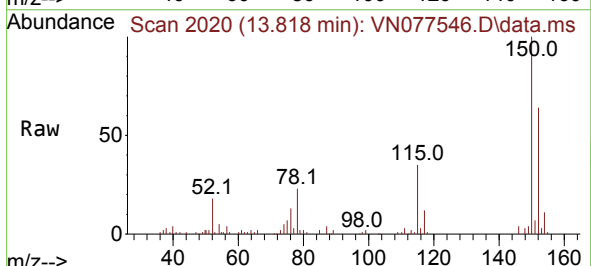
Tgt Ion:146 Resp: 3727

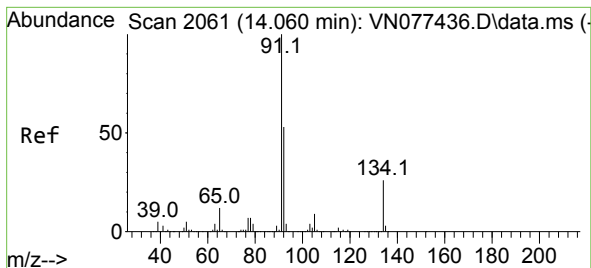
Ion Ratio Lower Upper

146 100

111 0.0 20.6 61.8#

148 100.5 31.6 94.8#





#89

n-Butylbenzene

Concen: 0.266 ug/l

RT: 14.060 min Scan# 2061

Delta R.T. -0.000 min

Lab File: VN077546.D

Acq: 01 May 2023 16:48

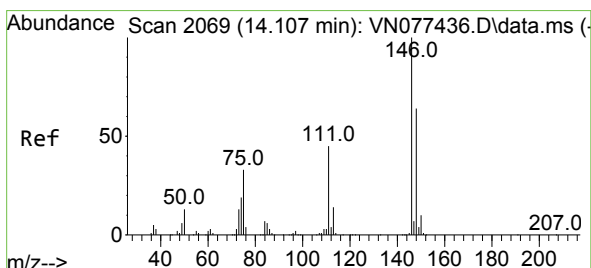
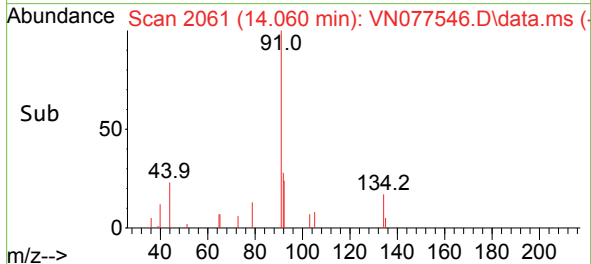
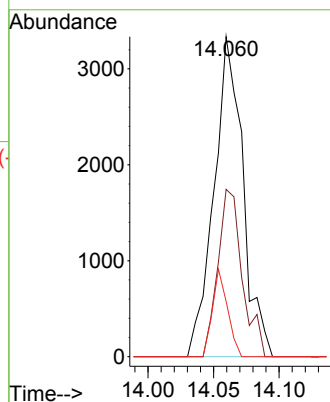
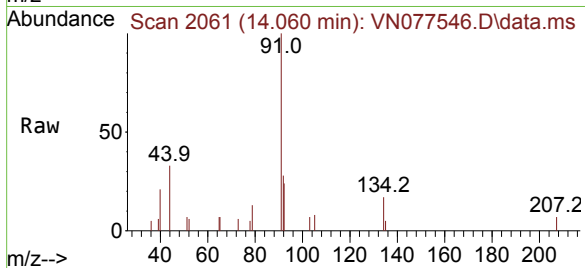
Instrument :

MSVOA_N

ClientSampleId :

BP-TB-20230426

Tgt Ion: 91	Resp:	5107
Ion	Ratio	Lower Upper
91	100	
92	44.2	26.4 79.0
134	14.2	12.6 37.6



#91

1,2-Dichlorobenzene

Concen: 0.235 ug/l

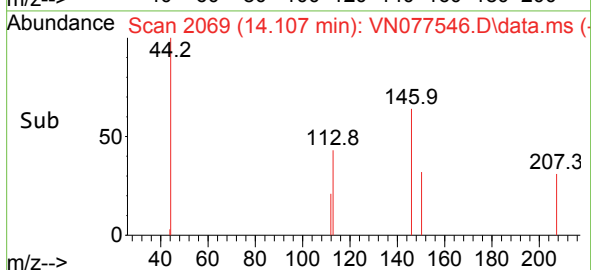
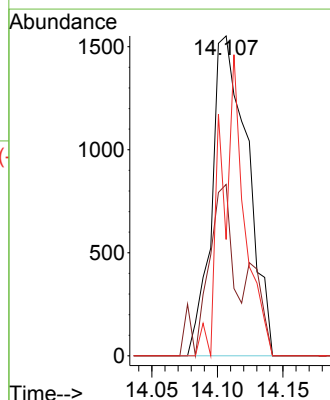
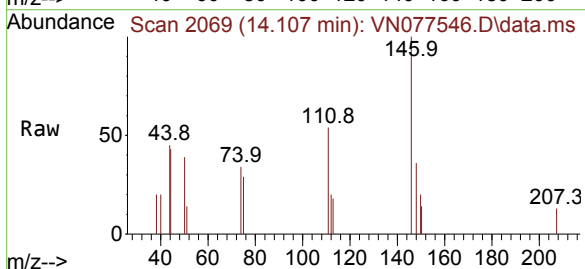
RT: 14.107 min Scan# 2069

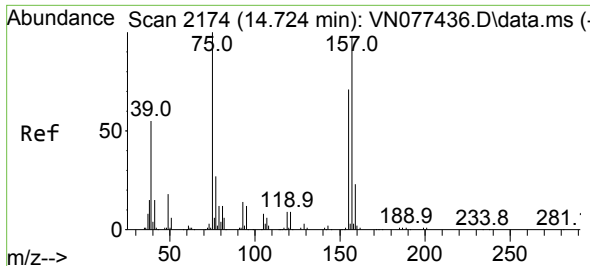
Delta R.T. -0.000 min

Lab File: VN077546.D

Acq: 01 May 2023 16:48

Tgt Ion: 146	Resp:	2953
Ion	Ratio	Lower Upper
146	100	
111	38.8	22.0 66.0
148	60.6	31.8 95.3





#92

1,2-Dibromo-3-Chloropropane

Concen: 0.244 ug/l

RT: 14.718 min Scan# 2173

Delta R.T. -0.006 min

Lab File: VN077546.D

Acq: 01 May 2023 16:48

Instrument :

MSVOA_N

ClientSampleId :

BP-TB-20230426

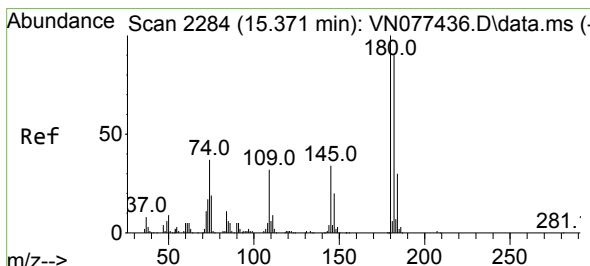
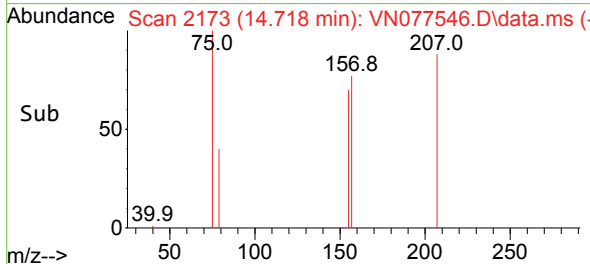
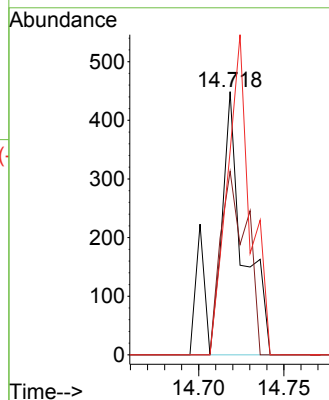
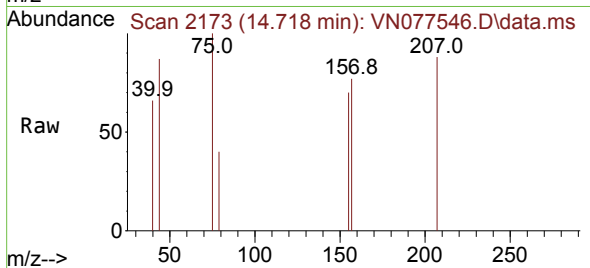
Tgt Ion: 75 Resp: 463

Ion Ratio Lower Upper

75 100

155 72.1 39.1 117.2

157 111.4 50.3 150.9



#93

1,2,4-Trichlorobenzene

Concen: 1.678 ug/l

RT: 15.383 min Scan# 2286

Delta R.T. 0.012 min

Lab File: VN077546.D

Acq: 01 May 2023 16:48

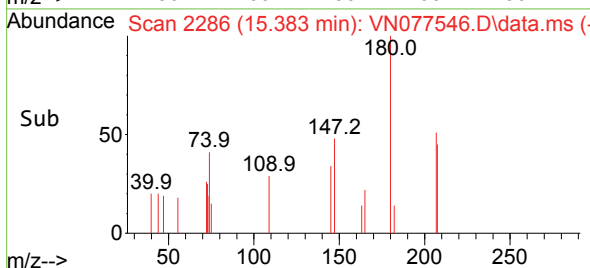
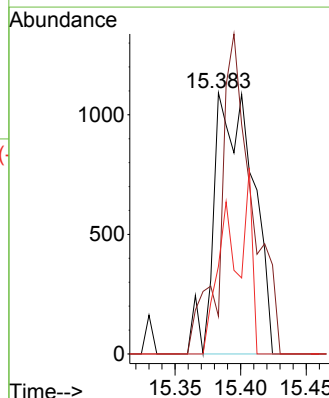
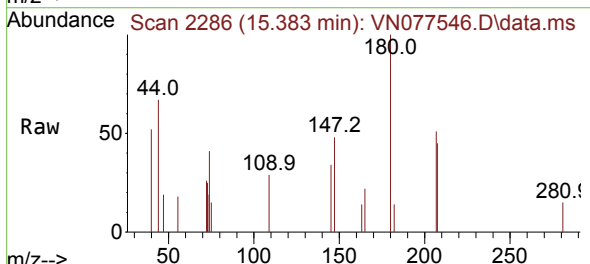
Tgt Ion: 180 Resp: 2264

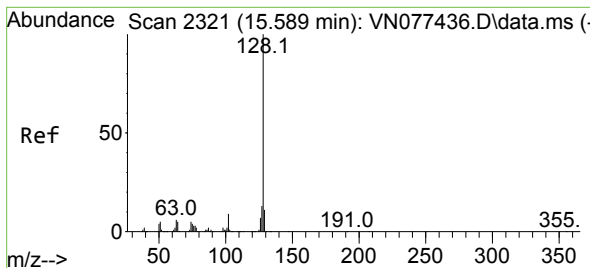
Ion Ratio Lower Upper

180 100

182 97.8 46.1 138.2

145 0.0 16.6 49.8#





#95

Naphthalene

Concen: 2.213 ug/l

RT: 15.648 min Scan# 21

Delta R.T. 0.059 min

Lab File: VN077546.D

Acq: 01 May 2023 16:48

Instrument :

MSVOA_N

ClientSampleId :

BP-TB-20230426

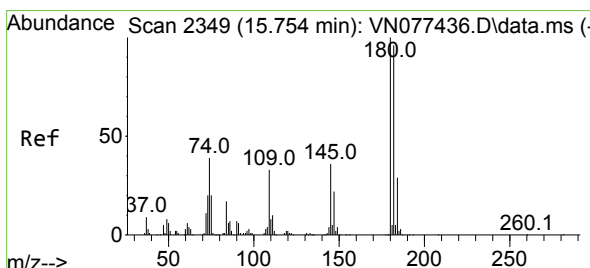
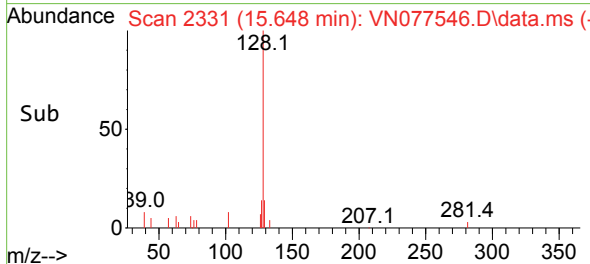
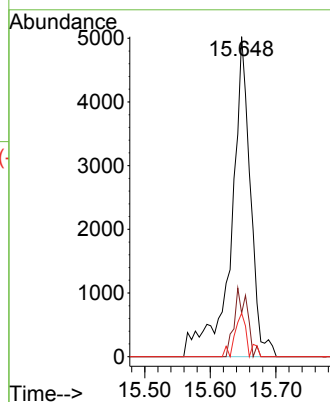
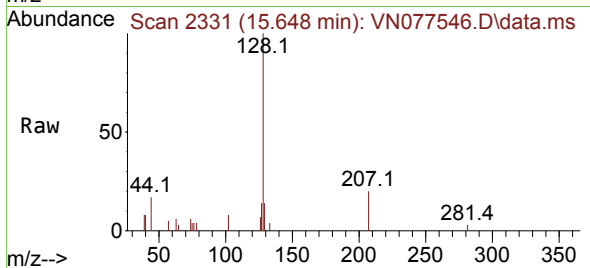
Tgt Ion:128 Resp: 10221

Ion Ratio Lower Upper

128 100

127 14.6 10.0 15.0

129 8.8 8.7 13.1



#96

1,2,3-Trichlorobenzene

Concen: 1.497 ug/l

RT: 15.842 min Scan# 2364

Delta R.T. 0.088 min

Lab File: VN077546.D

Acq: 01 May 2023 16:48

Tgt Ion:180 Resp: 2404

Ion Ratio Lower Upper

180 100

182 106.2 46.2 138.6

145 40.8 17.5 52.6

