

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN020823\
 Data File : VN076579.D
 Acq On : 08 Feb 2023 14:57
 Operator : JC\MD
 Sample : 01462-19
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 TCLP-3

Quant Time: Feb 09 00:48:45 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N020723W.M
 Quant Title : SW846 8260
 QLast Update : Wed Feb 08 09:04:43 2023
 Response via : Initial Calibration

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

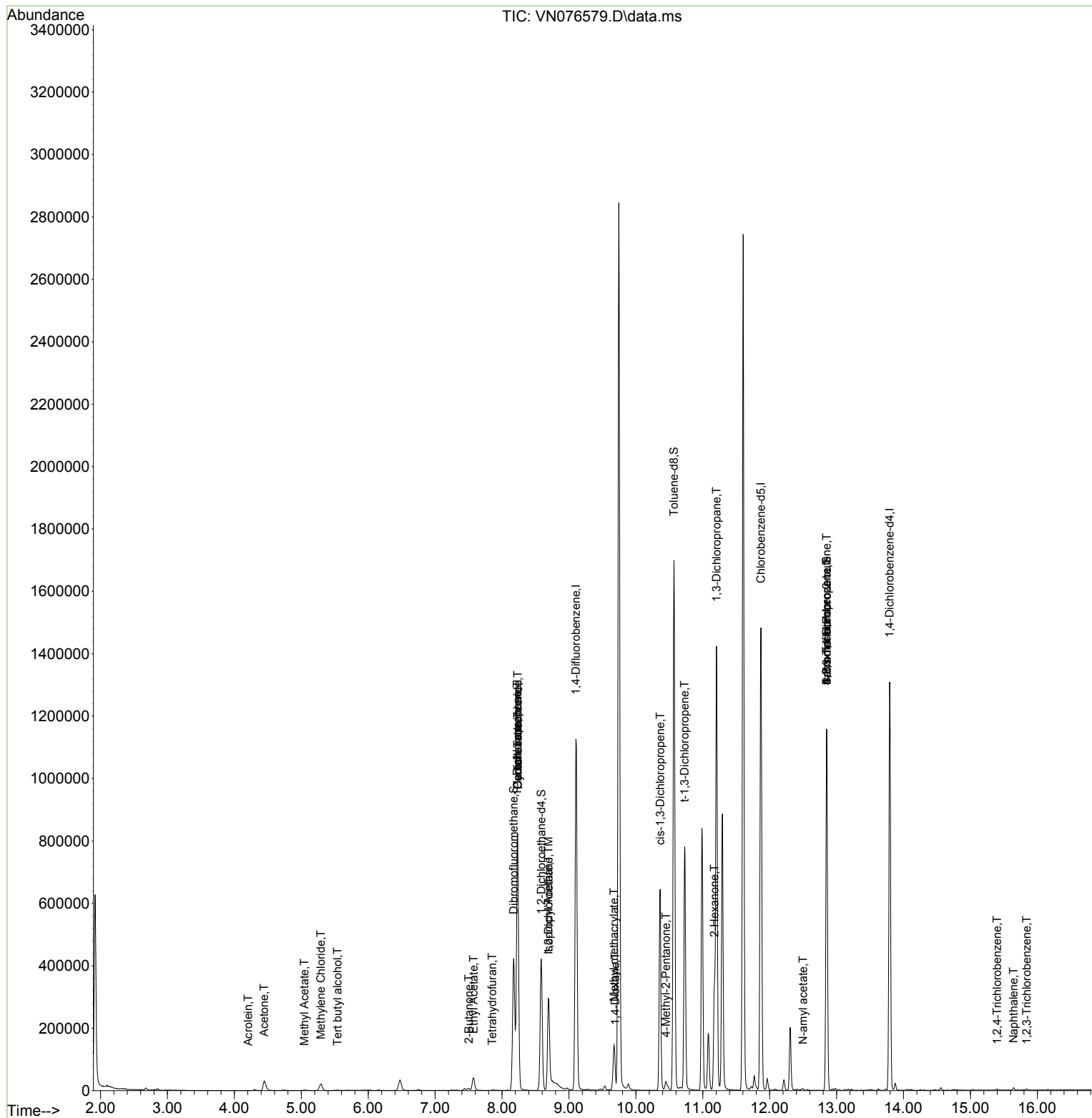
Internal Standards						
1) Pentafluorobenzene	8.234	168	622212	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.104	114	1046902	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.869	117	932613	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.792	152	369738	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.586	65	346692	47.208	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery =	94.420%		
35) Dibromofluoromethane	8.175	113	309787	47.602	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	95.200%		
50) Toluene-d8	10.569	98	1220221	49.840	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery =	99.680%		
62) 4-Bromofluorobenzene	12.851	95	415492	48.172	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery =	96.340%		
Target Compounds						
					Qvalue	
11) Tert butyl alcohol	5.540	59	1656	1.731	ug/l #	72
13) Acrolein	4.204	56	303	0.237	ug/l #	38
16) Acetone	4.446	43	57488	23.743	ug/l	96
18) Methyl Acetate	5.046	43	3664	0.478	ug/l #	62
20) Methylene Chloride	5.293	84	19395	2.598	ug/l #	86
25) 2-Butanone	7.504	43	10872	3.124	ug/l	89
29) Tetrahydrofuran	7.851	42	905	0.405	ug/l #	70
31) Cyclohexane	8.234	56	10876	0.937	ug/l #	1
36) 1,1-Dichloropropene	8.228	75	45553	4.903	ug/l #	50
37) Ethyl Acetate	7.575	43	63017	9.052	ug/l	98
38) Carbon Tetrachloride	8.234	117	63672	6.373	ug/l #	16
42) 1,2-Dichloroethane	8.692	62	2317	0.253	ug/l #	71
43) Isopropyl Acetate	8.692	43	344226	29.716	ug/l #	86
48) Methyl methacrylate	9.675	41	7692	1.350	ug/l #	31
49) 1,4-Dioxane	9.692	88	66	0.542	ug/l #	1
51) 4-Methyl-2-Pentanone	10.451	43	27185	3.905	ug/l #	76
53) t-1,3-Dichloropropene	10.728	75	2192	0.231	ug/l #	80
54) cis-1,3-Dichloropropene	10.363	75	131185	12.133	ug/l #	60
57) 1,3-Dichloropropane	11.204	76	16207	1.406	ug/l #	42
59) 2-Hexanone	11.175	43	278899	56.193	ug/l #	18
71) Bromoform	12.851	173	1796	0.360	ug/l #	1
74) N-amyl acetate	12.498	43	2780	0.329	ug/l #	57
76) 1,2,3-Trichloropropane	12.851	75	200489	29.063	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.851	75	200489	89.243	ug/l #	10
93) 1,2,4-Trichlorobenzene	15.398	180	1616	0.276	ug/l	89
95) Naphthalene	15.645	128	6826	0.401	ug/l	95
96) 1,2,3-Trichlorobenzene	15.839	180	1746	0.311	ug/l	94

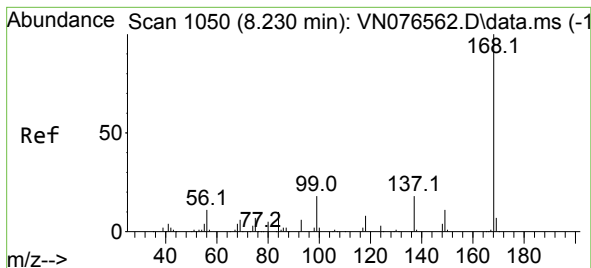
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN020823\
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Quant Title : SW846 8260
QLast Update : Wed Feb 08 09:04:43 2023
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 8.234 min Scan# 1

Delta R.T. 0.004 min

Lab File: VN076579.D

Acq: 08 Feb 2023 14:57

Instrument :

MSVOA_N

ClientSampleId :

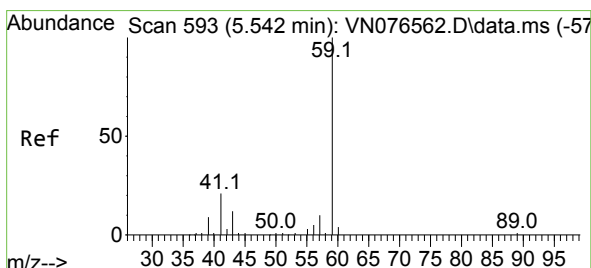
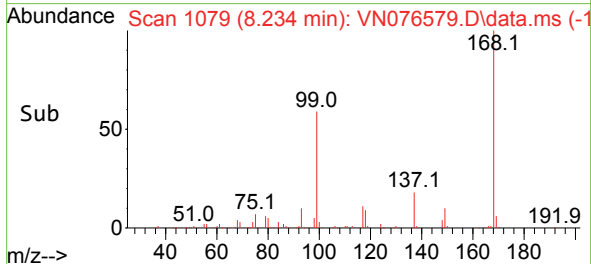
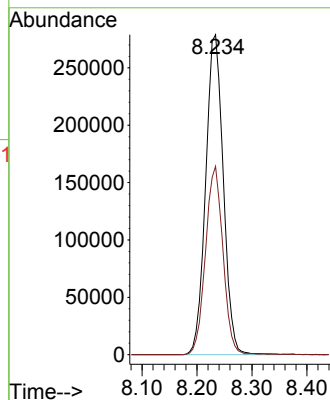
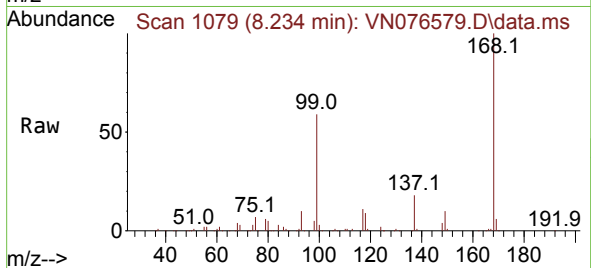
TCLP-3

Tgt Ion:168 Resp: 622212

Ion Ratio Lower Upper

168 100

99 58.9 47.8 71.8



#11

Tert butyl alcohol

Concen: 1.731 ug/l

RT: 5.540 min Scan# 621

Delta R.T. -0.002 min

Lab File: VN076579.D

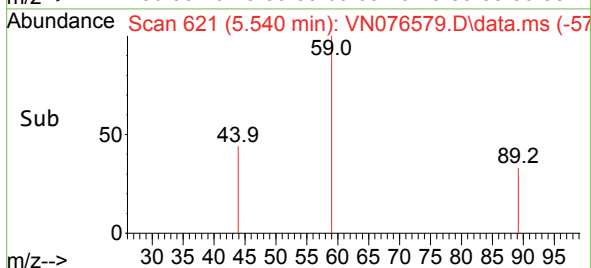
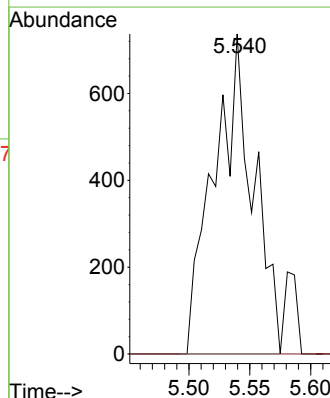
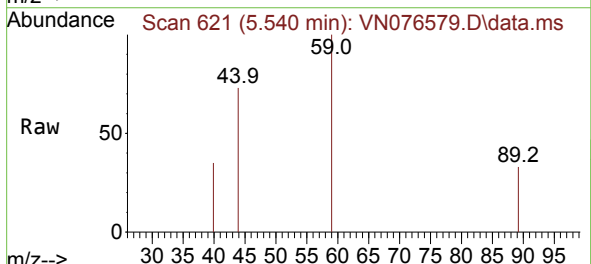
Acq: 08 Feb 2023 14:57

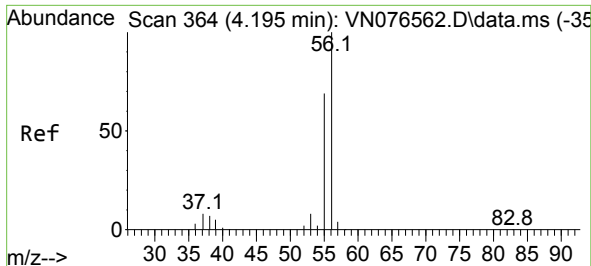
Tgt Ion: 59 Resp: 1656

Ion Ratio Lower Upper

59 100

57 0.0 8.3 12.5#

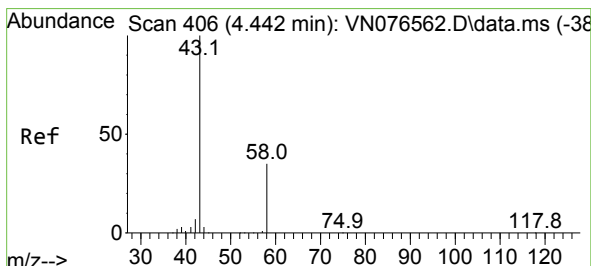
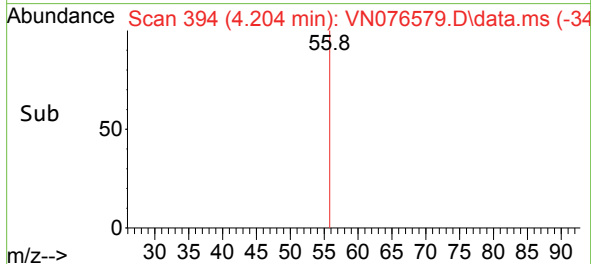
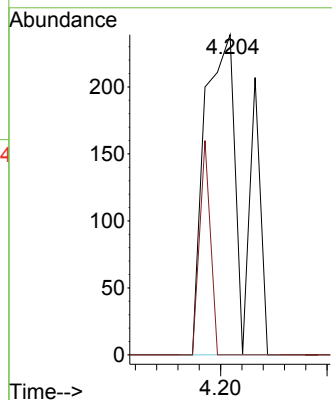
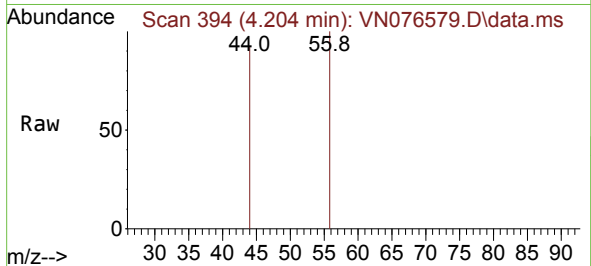




#13
Acrolein
Concen: 0.237 ug/l
RT: 4.204 min Scan# 394
Delta R.T. 0.009 min
Lab File: VN076579.D
Acq: 08 Feb 2023 14:57

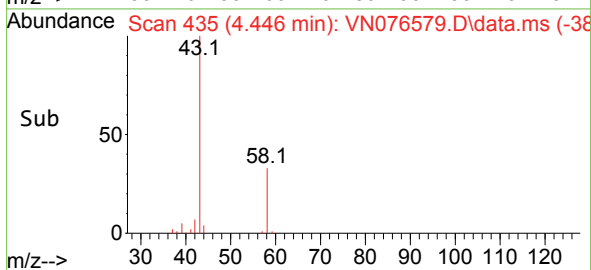
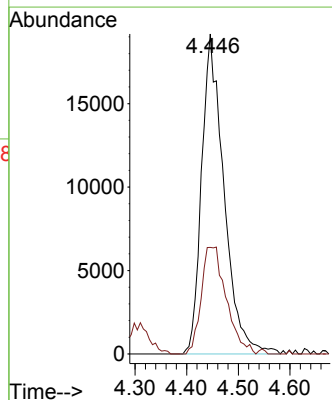
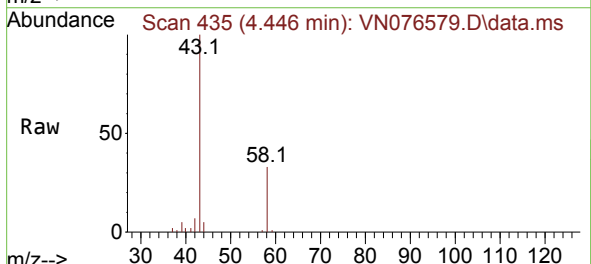
Instrument :
MSVOA_N
ClientSampleId :
TCLP-3

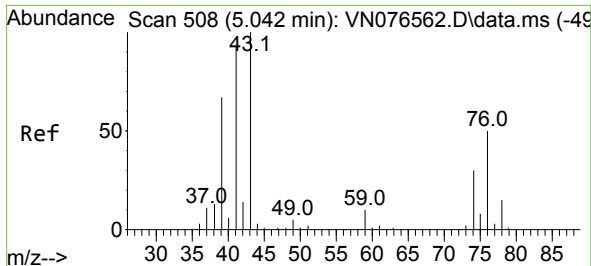
Tgt Ion: 56 Resp: 303
Ion Ratio Lower Upper
56 100
55 18.5 54.7 82.1#



#16
Acetone
Concen: 23.743 ug/l
RT: 4.446 min Scan# 435
Delta R.T. 0.004 min
Lab File: VN076579.D
Acq: 08 Feb 2023 14:57

Tgt Ion: 43 Resp: 57488
Ion Ratio Lower Upper
43 100
58 33.3 28.4 42.6

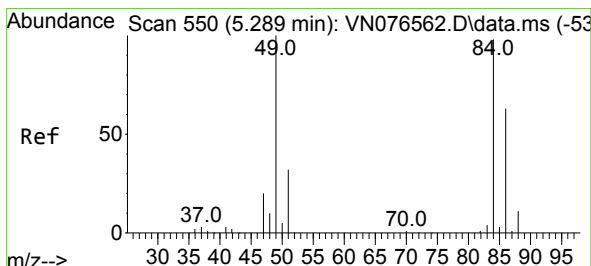
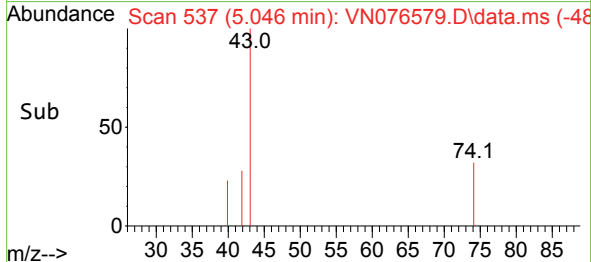
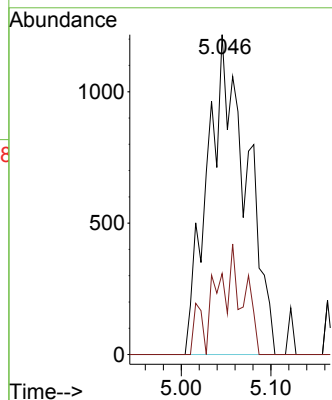
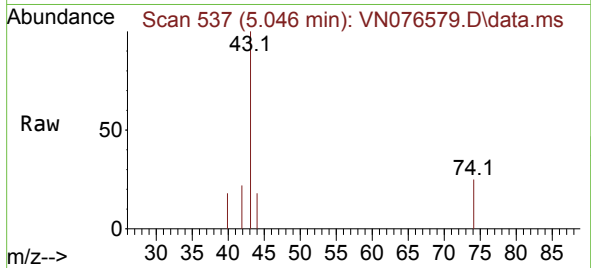




#18
Methyl Acetate
Concen: 0.478 ug/l
RT: 5.046 min Scan# 51
Delta R.T. 0.004 min
Lab File: VN076579.D
Acq: 08 Feb 2023 14:57

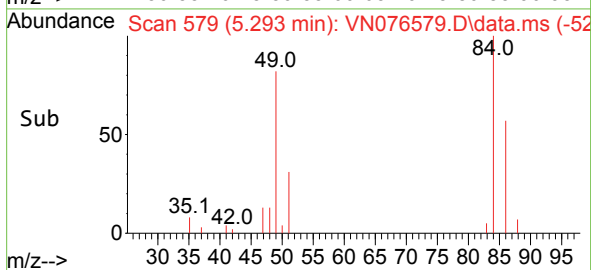
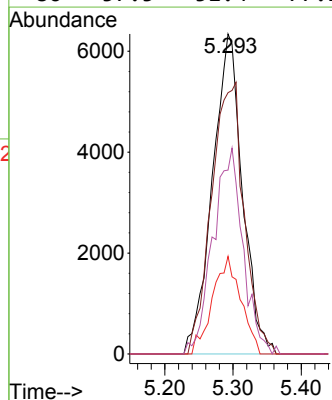
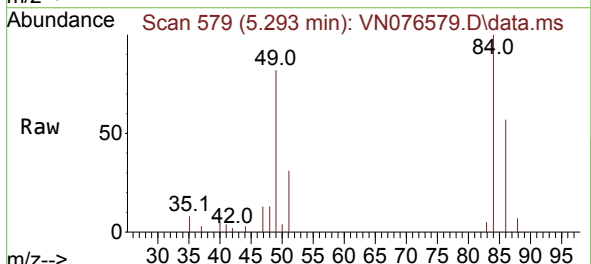
Instrument :
MSVOA_N
ClientSampleId :
TCLP-3

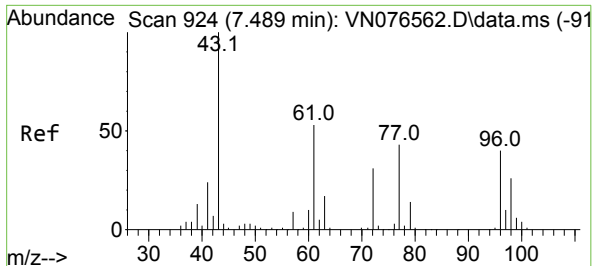
Tgt Ion: 43 Resp: 3664
Ion Ratio Lower Upper
43 100
74 9.6 23.9 35.9#



#20
Methylene Chloride
Concen: 2.598 ug/l
RT: 5.293 min Scan# 579
Delta R.T. 0.004 min
Lab File: VN076579.D
Acq: 08 Feb 2023 14:57

Tgt Ion: 84 Resp: 19395
Ion Ratio Lower Upper
84 100
49 81.7 82.0 123.0#
51 30.5 26.0 39.0
86 57.5 51.4 77.2

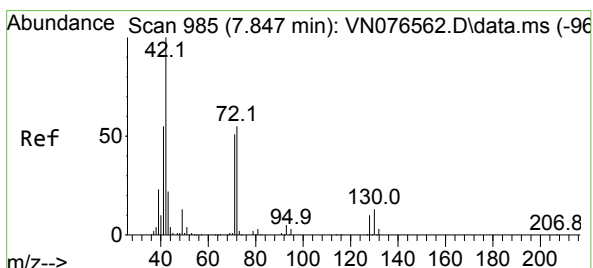
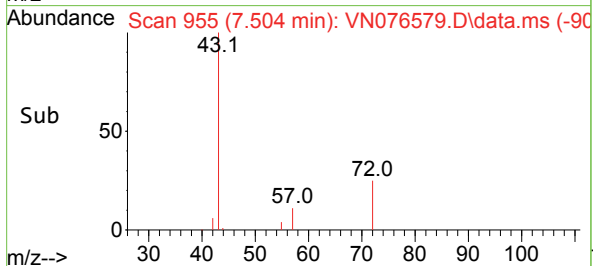
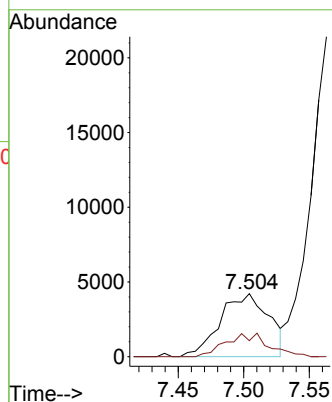
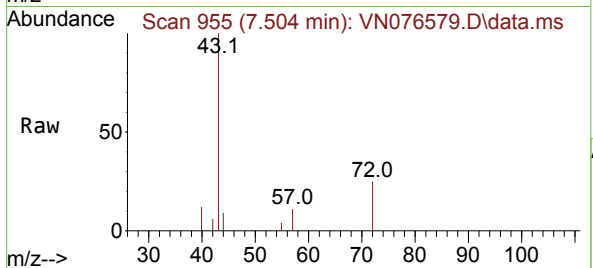




#25
2-Butanone
Concen: 3.124 ug/l
RT: 7.504 min Scan# 91
Delta R.T. 0.015 min
Lab File: VN076579.D
Acq: 08 Feb 2023 14:57

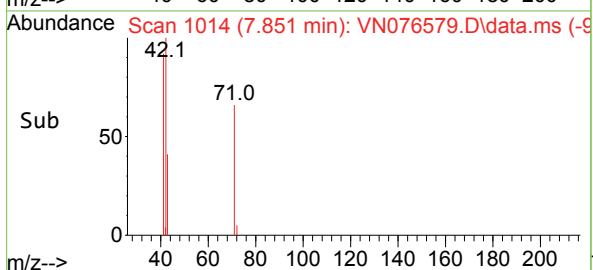
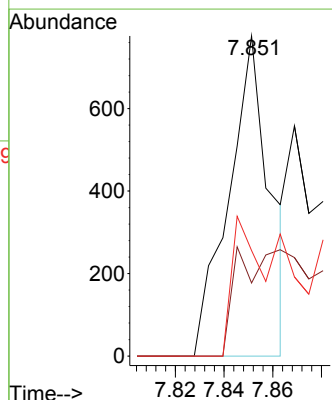
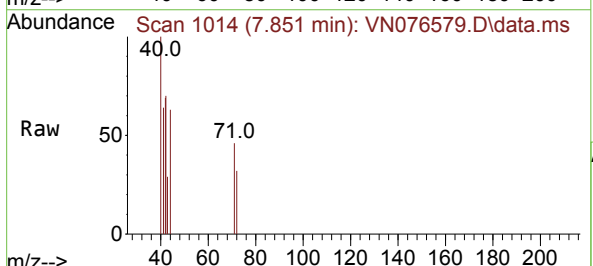
Instrument :
MSVOA_N
ClientSampleId :
TCLP-3

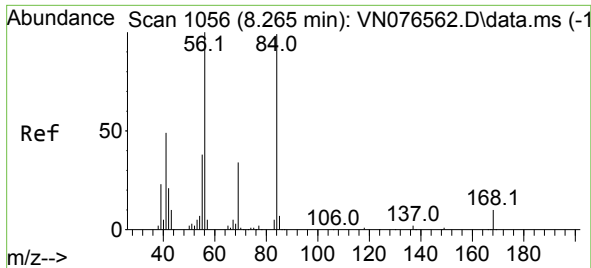
Tgt Ion: 43 Resp: 10872
Ion Ratio Lower Upper
43 100
72 25.4 25.1 37.7



#29
Tetrahydrofuran
Concen: 0.405 ug/l
RT: 7.851 min Scan# 1014
Delta R.T. 0.004 min
Lab File: VN076579.D
Acq: 08 Feb 2023 14:57

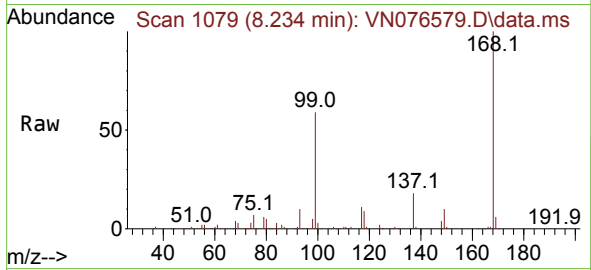
Tgt Ion: 42 Resp: 905
Ion Ratio Lower Upper
42 100
72 75.6 42.9 64.3#
71 30.3 39.9 59.9#



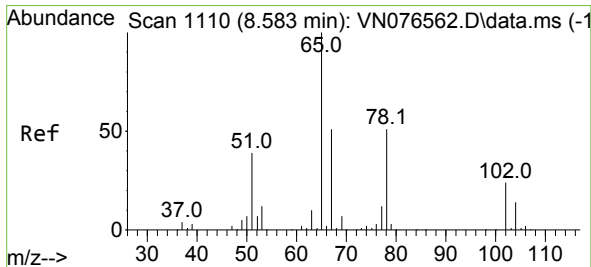
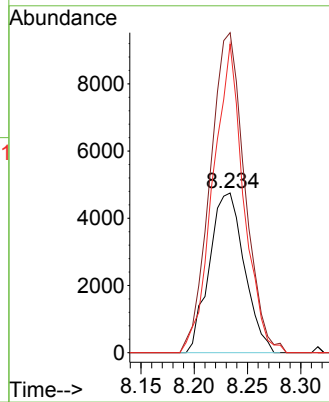
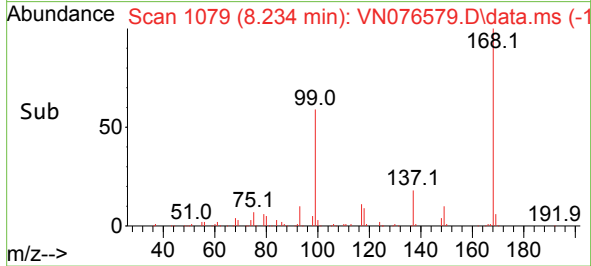


#31
Cyclohexane
Concen: 0.937 ug/l
RT: 8.234 min Scan# 1109
Delta R.T. -0.031 min
Lab File: VN076579.D
Acq: 08 Feb 2023 14:57

Instrument :
MSVOA_N
ClientSampleId :
TCLP-3

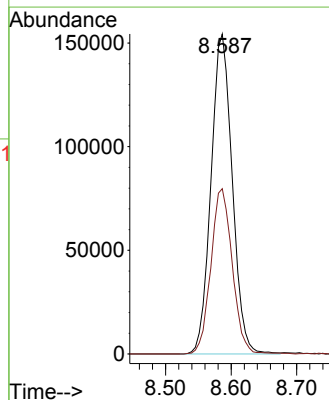
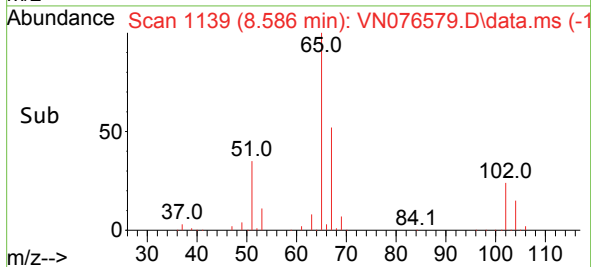
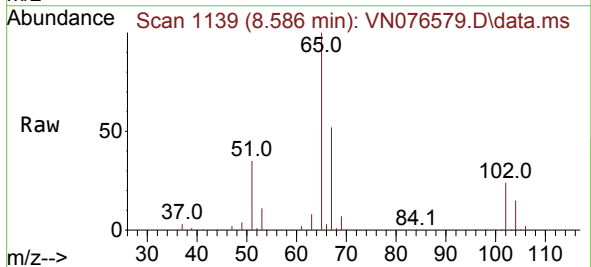


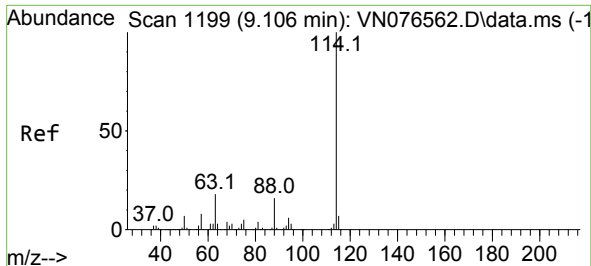
Tgt Ion: 56 Resp: 10876
Ion Ratio Lower Upper
56 100
69 200.4 27.0 40.4#
84 193.3 79.5 119.3#



#33
1,2-Dichloroethane-d4
Concen: 47.208 ug/l
RT: 8.586 min Scan# 1139
Delta R.T. 0.003 min
Lab File: VN076579.D
Acq: 08 Feb 2023 14:57

Tgt Ion: 65 Resp: 346692
Ion Ratio Lower Upper
65 100
67 52.1 0.0 105.4

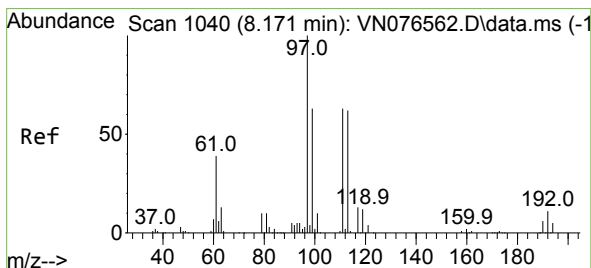
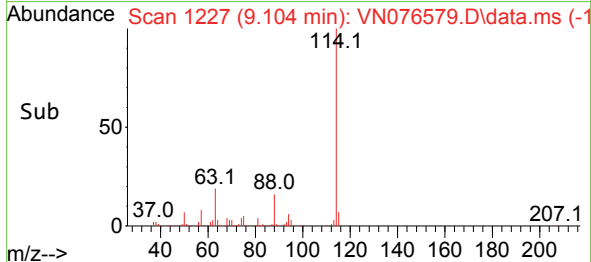
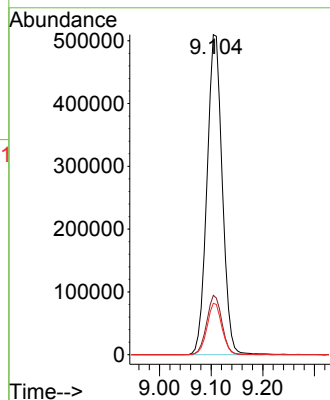
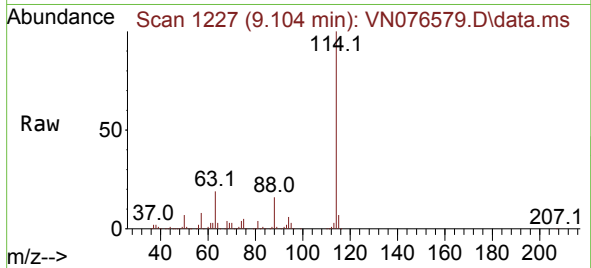




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 9.104 min Scan# 1199
Delta R.T. -0.002 min
Lab File: VN076579.D
Acq: 08 Feb 2023 14:57

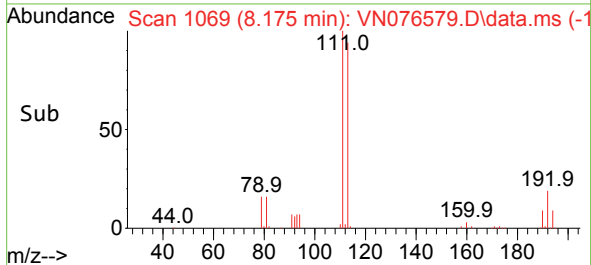
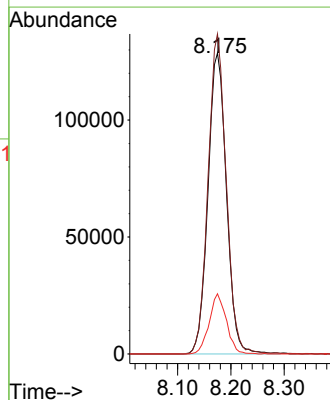
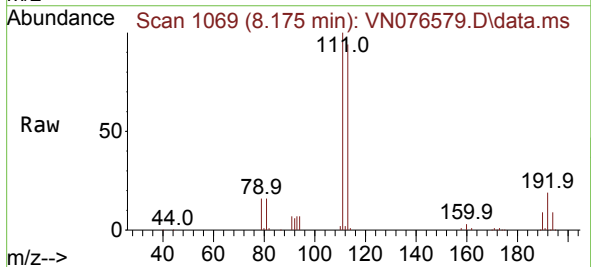
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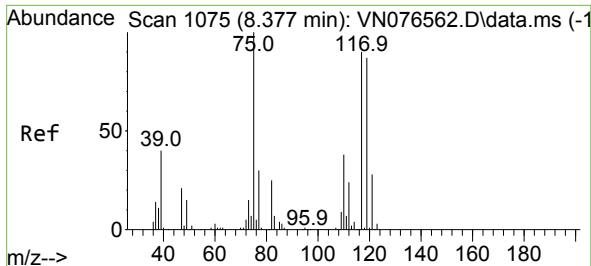
Tgt Ion:114 Resp: 1046902
Ion Ratio Lower Upper
114 100
63 18.5 0.0 36.6
88 16.1 0.0 32.0



#35
Dibromofluoromethane
Concen: 47.602 ug/l
RT: 8.175 min Scan# 1069
Delta R.T. 0.004 min
Lab File: VN076579.D
Acq: 08 Feb 2023 14:57

Tgt Ion:113 Resp: 309787
Ion Ratio Lower Upper
113 100
111 104.2 82.0 123.0
192 18.6 14.8 22.2





#36

1,1-Dichloropropene

Concen: 4.903 ug/l

RT: 8.228 min Scan# 1

Delta R.T. -0.149 min

Lab File: VN076579.D

Acq: 08 Feb 2023 14:57

Instrument :

MSVOA_N

ClientSampleId :

TCLP-3

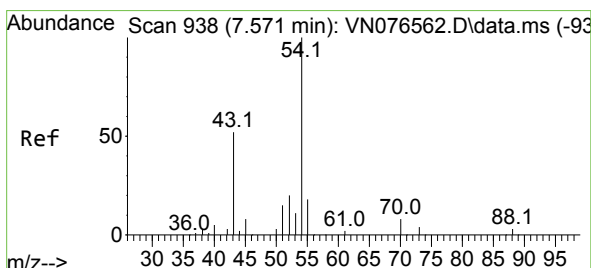
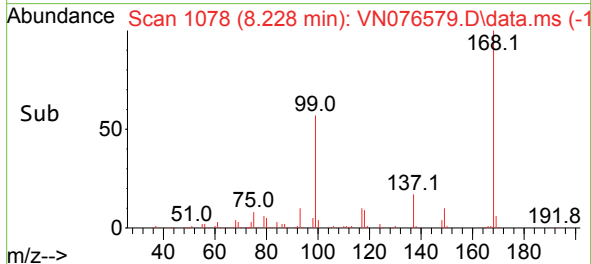
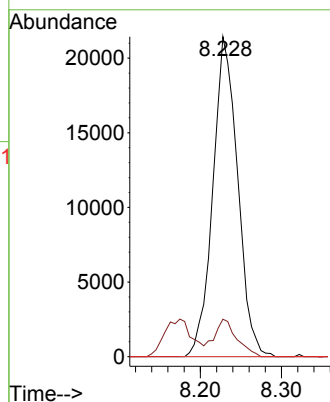
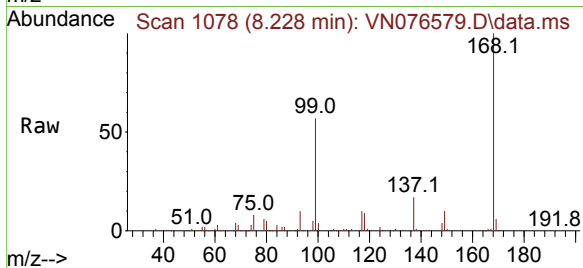
Tgt Ion: 75 Resp: 45553

Ion Ratio Lower Upper

75 100

110 10.6 18.6 55.6#

77 0.0 25.1 37.7#



#37

Ethyl Acetate

Concen: 9.052 ug/l

RT: 7.575 min Scan# 967

Delta R.T. 0.004 min

Lab File: VN076579.D

Acq: 08 Feb 2023 14:57

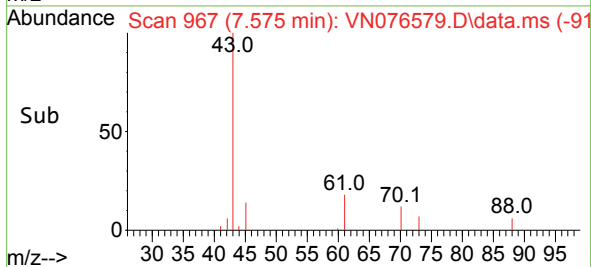
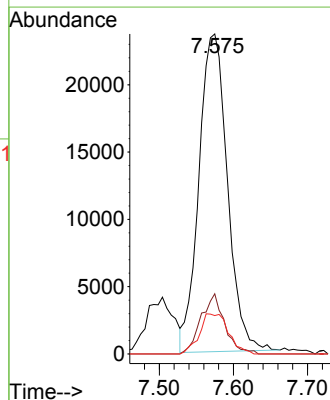
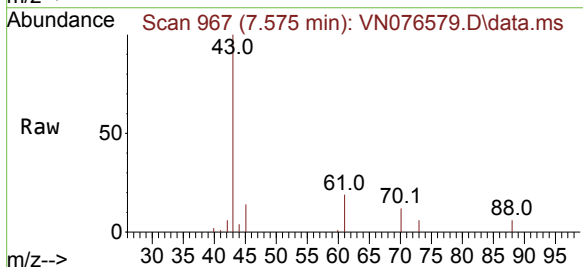
Tgt Ion: 43 Resp: 63017

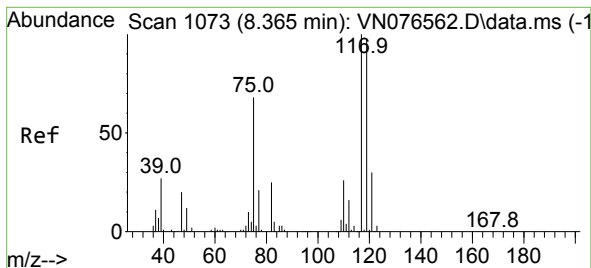
Ion Ratio Lower Upper

43 100

61 15.8 11.8 17.6

70 12.8 10.4 15.6





#38

Carbon Tetrachloride

Concen: 6.373 ug/l

RT: 8.234 min Scan# 1107

Delta R.T. -0.131 min

Lab File: VN076579.D

Acq: 08 Feb 2023 14:57

Instrument :

MSVOA_N

ClientSampleId :

TCLP-3

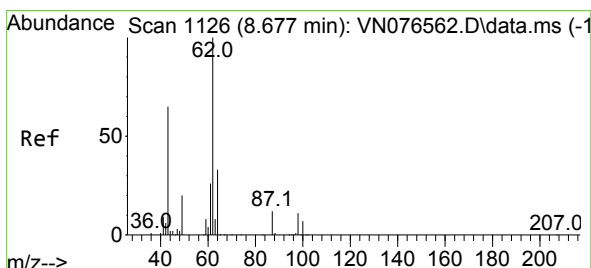
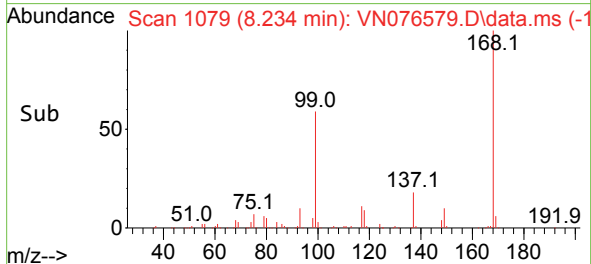
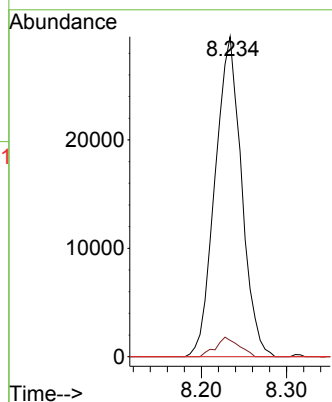
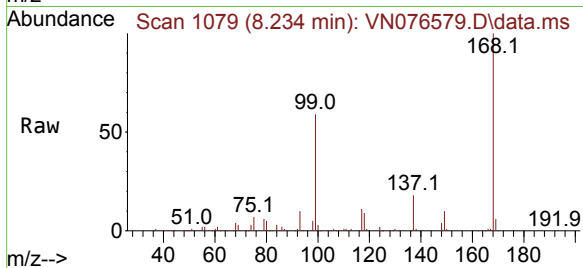
Tgt Ion:117 Resp: 63672

Ion Ratio Lower Upper

117 100

119 5.1 77.2 115.8#

121 0.0 23.9 35.9#



#42

1,2-Dichloroethane

Concen: 0.253 ug/l

RT: 8.692 min Scan# 1157

Delta R.T. 0.015 min

Lab File: VN076579.D

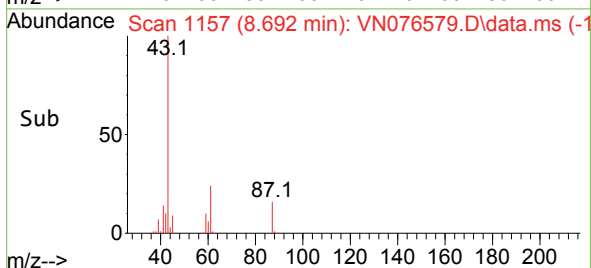
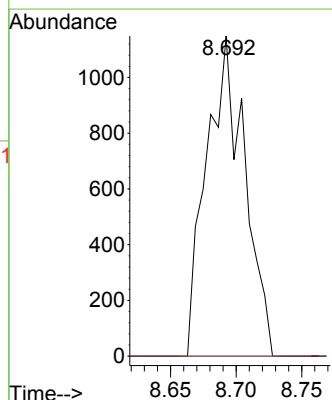
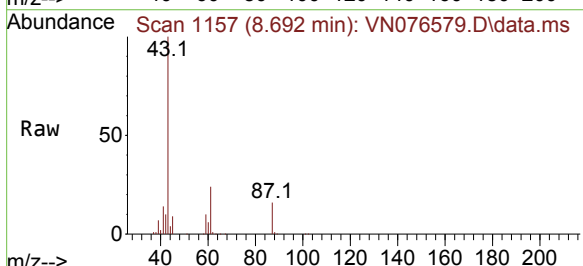
Acq: 08 Feb 2023 14:57

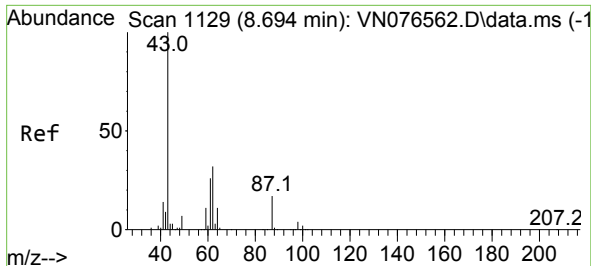
Tgt Ion: 62 Resp: 2317

Ion Ratio Lower Upper

62 100

98 0.0 0.0 21.6

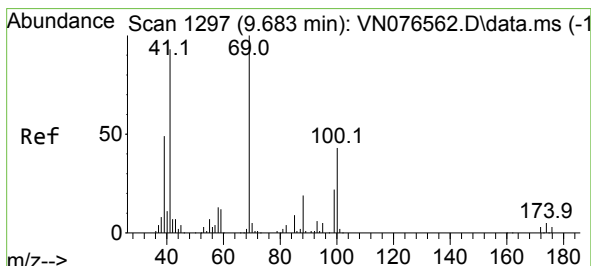
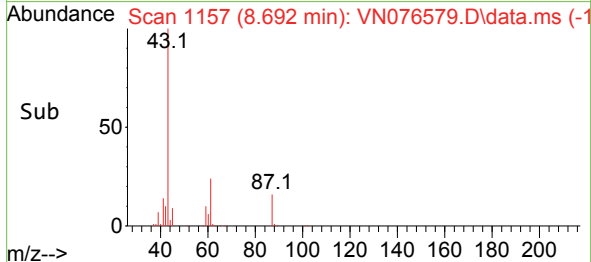
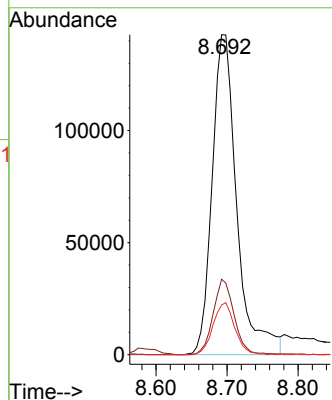
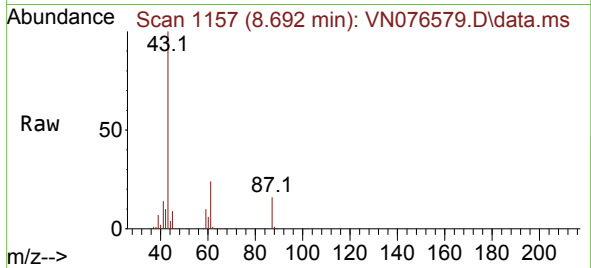




#43
Isopropyl Acetate
Concen: 29.716 ug/l
RT: 8.692 min Scan# 1129
Delta R.T. -0.002 min
Lab File: VN076579.D
Acq: 08 Feb 2023 14:57

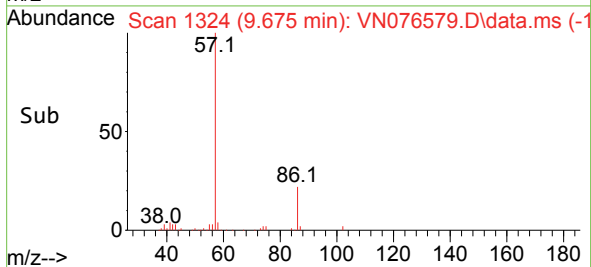
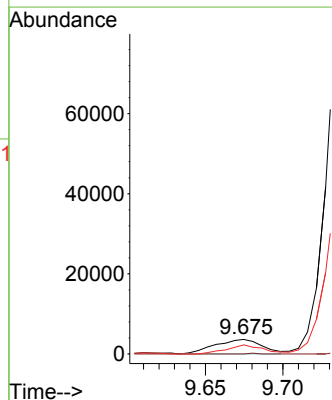
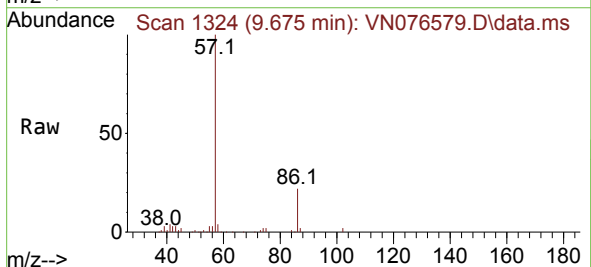
Instrument :
MSVOA_N
ClientSampleId :
TCLP-3

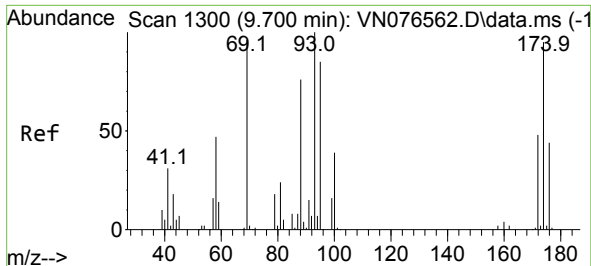
Tgt Ion: 43 Resp: 344226
Ion Ratio Lower Upper
43 100
61 20.3 24.5 36.7#
87 14.4 13.6 20.4



#48
Methyl methacrylate
Concen: 1.350 ug/l
RT: 9.675 min Scan# 1324
Delta R.T. -0.008 min
Lab File: VN076579.D
Acq: 08 Feb 2023 14:57

Tgt Ion: 41 Resp: 7692
Ion Ratio Lower Upper
41 100
69 0.8 83.0 124.4#
39 49.2 43.8 65.8

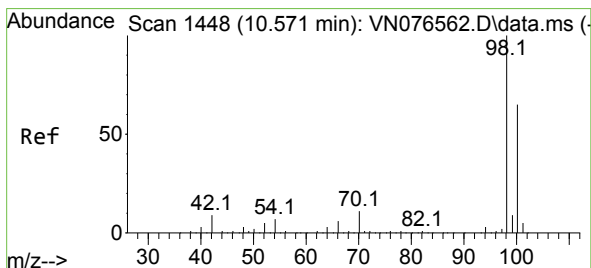
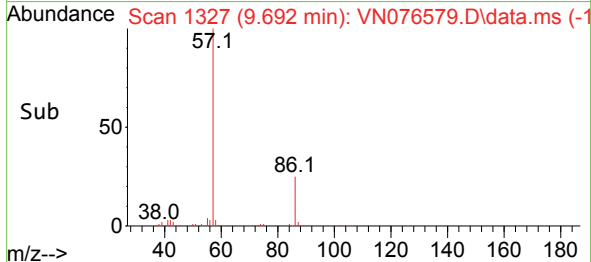
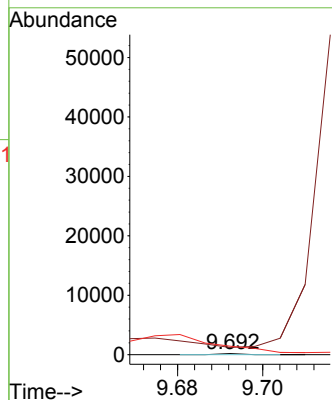
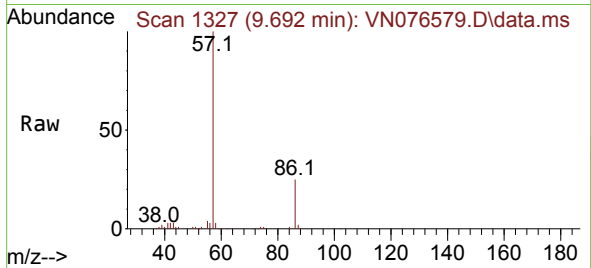




#49
1,4-Dioxane
Concen: 0.542 ug/l
RT: 9.692 min Scan# 11
Delta R.T. -0.008 min
Lab File: VN076579.D
Acq: 08 Feb 2023 14:57

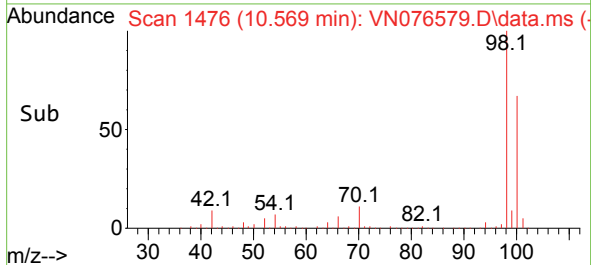
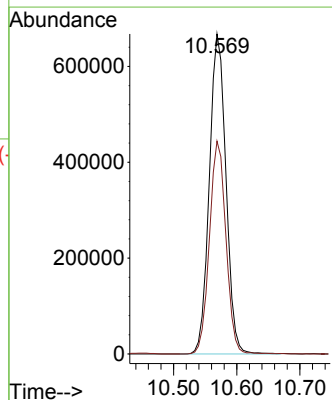
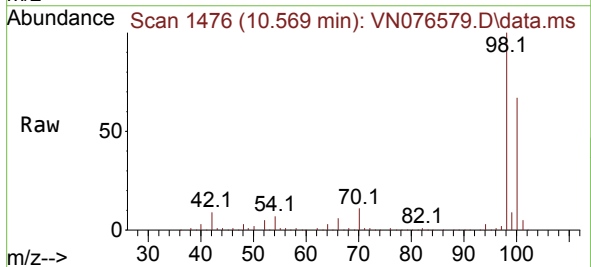
Instrument :
MSVOA_N
ClientSampleId :
TCLP-3

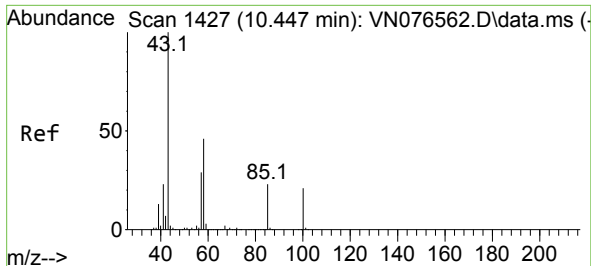
Tgt Ion: 88 Resp: 66
Ion Ratio Lower Upper
88 100
43 0.0 16.7 25.1#
58 10348.5 51.7 77.5#



#50
Toluene-d8
Concen: 49.840 ug/l
RT: 10.569 min Scan# 1476
Delta R.T. -0.002 min
Lab File: VN076579.D
Acq: 08 Feb 2023 14:57

Tgt Ion: 98 Resp: 1220221
Ion Ratio Lower Upper
98 100
100 66.1 52.9 79.3

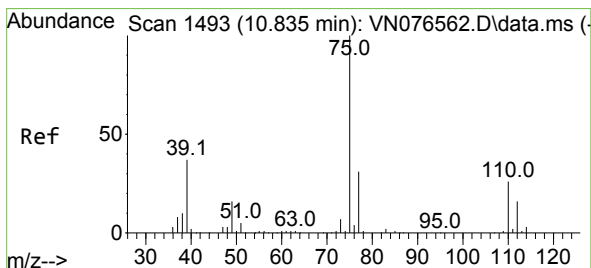
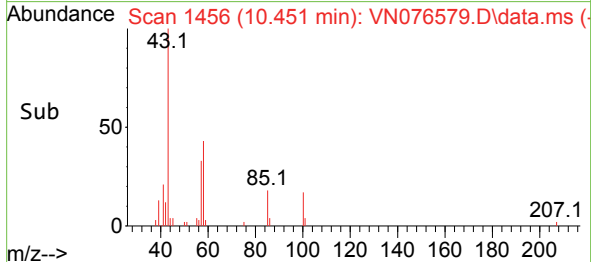
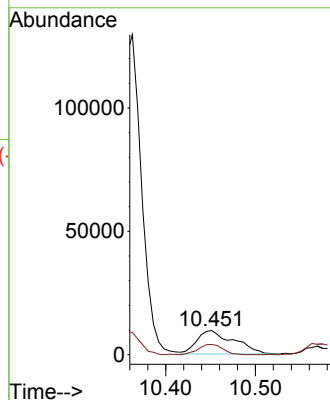
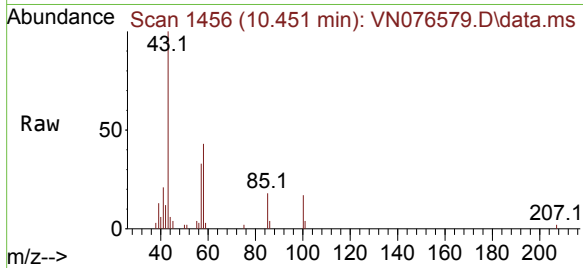




#51
4-Methyl-2-Pentanone
Concen: 3.905 ug/l
RT: 10.451 min Scan# 1427
Delta R.T. 0.004 min
Lab File: VN076579.D
Acq: 08 Feb 2023 14:57

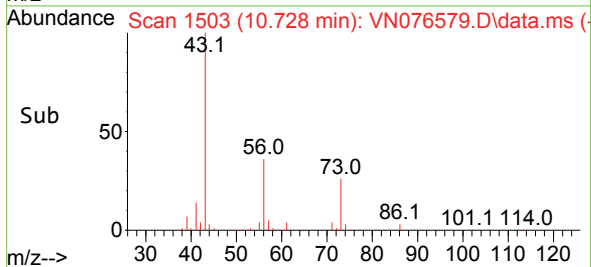
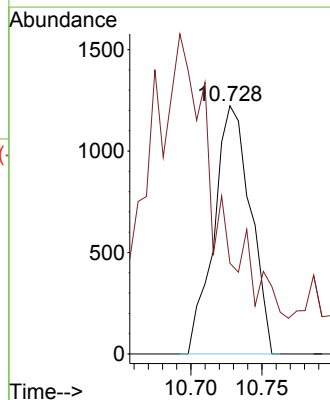
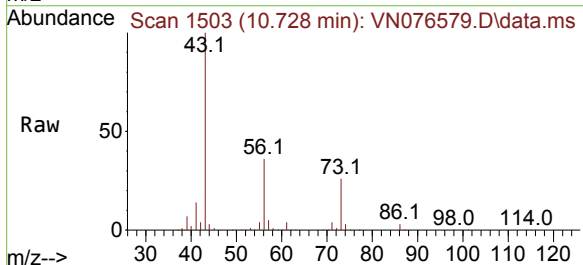
Instrument :
MSVOA_N
ClientSampleId :
TCLP-3

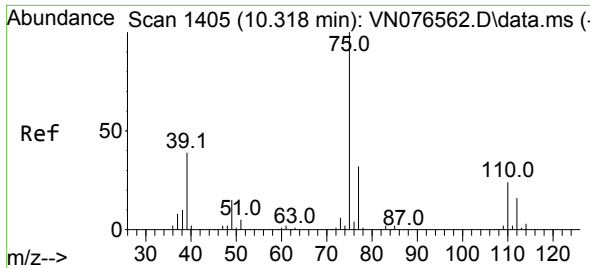
Tgt Ion: 43 Resp: 27185
Ion Ratio Lower Upper
43 100
58 29.5 36.4 54.6#



#53
t-1,3-Dichloropropene
Concen: 0.231 ug/l
RT: 10.728 min Scan# 1503
Delta R.T. -0.107 min
Lab File: VN076579.D
Acq: 08 Feb 2023 14:57

Tgt Ion: 75 Resp: 2192
Ion Ratio Lower Upper
75 100
77 19.7 24.5 36.7#

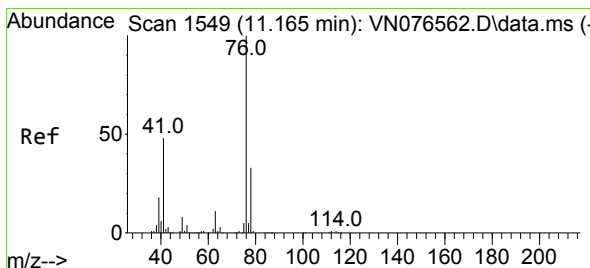
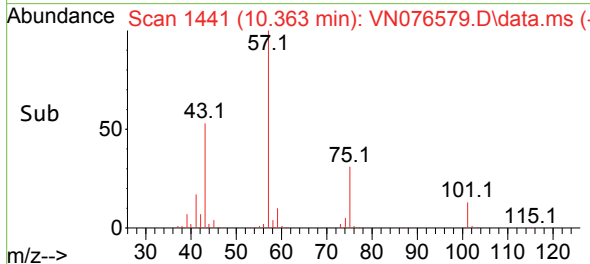
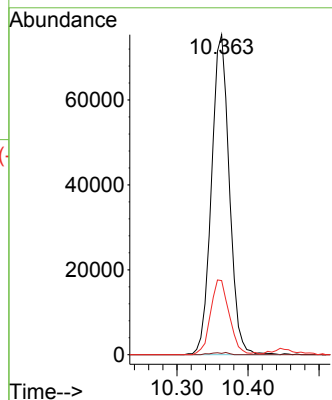
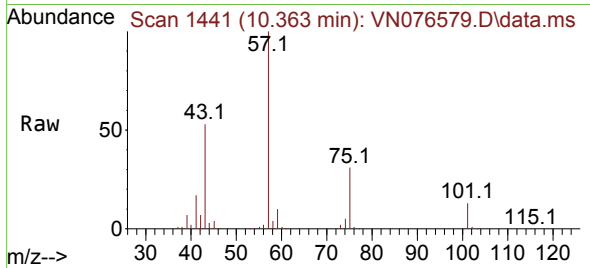




#54
 cis-1,3-Dichloropropene
 Concen: 12.133 ug/l
 RT: 10.363 min Scan# 1405
 Delta R.T. 0.045 min
 Lab File: VN076579.D
 Acq: 08 Feb 2023 14:57

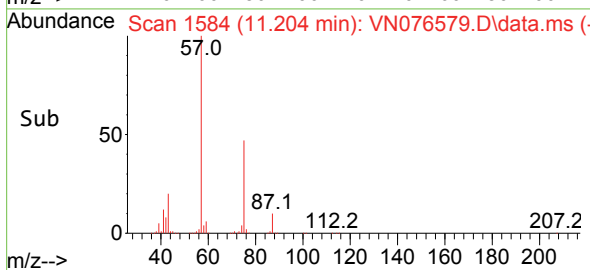
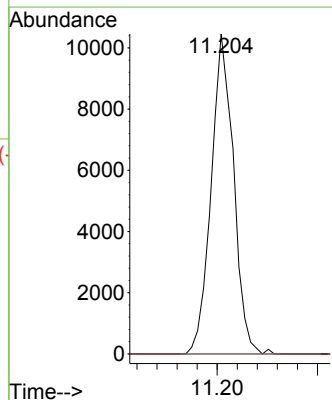
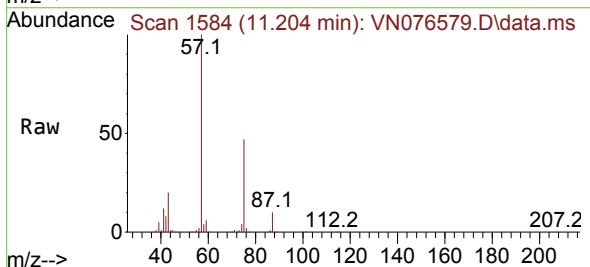
Instrument :
 MSVOA_N
 ClientSampleId :
 TCLP-3

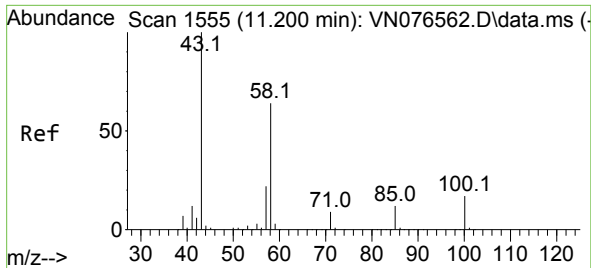
Tgt Ion: 75 Resp: 131185
 Ion Ratio Lower Upper
 75 100
 77 0.4 25.4 38.0#
 39 23.2 31.1 46.7#



#57
 1,3-Dichloropropane
 Concen: 1.406 ug/l
 RT: 11.204 min Scan# 1584
 Delta R.T. 0.039 min
 Lab File: VN076579.D
 Acq: 08 Feb 2023 14:57

Tgt Ion: 76 Resp: 16207
 Ion Ratio Lower Upper
 76 100
 78 0.0 26.2 39.4#

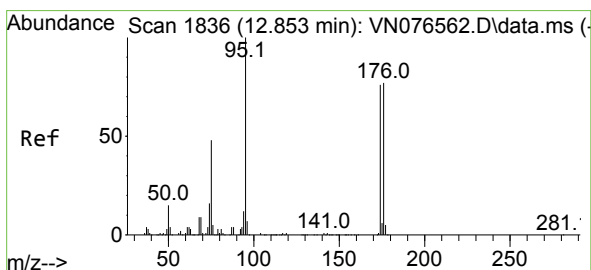
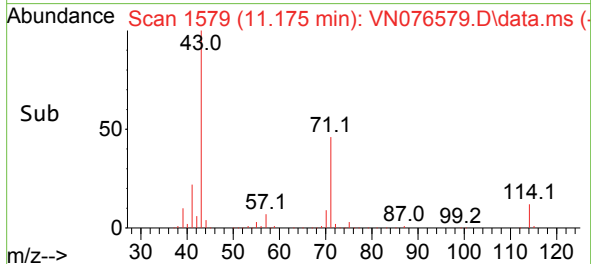
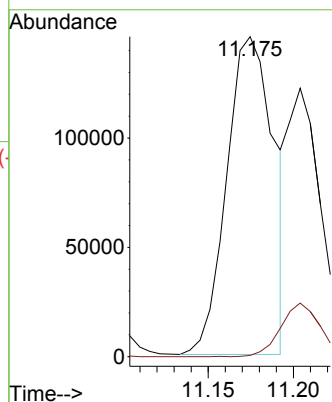
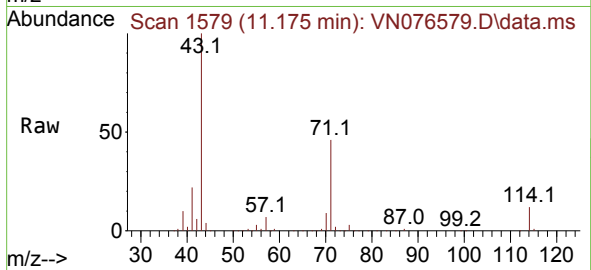




#59
2-Hexanone
Concen: 56.193 ug/l
RT: 11.175 min Scan# 111
Delta R.T. -0.025 min
Lab File: VN076579.D
Acq: 08 Feb 2023 14:57

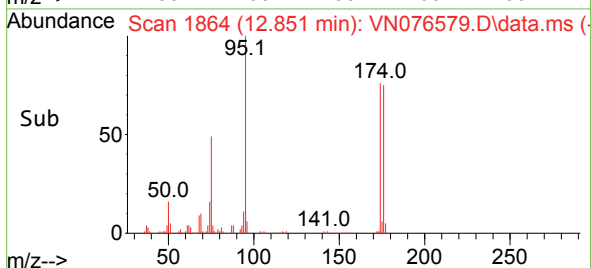
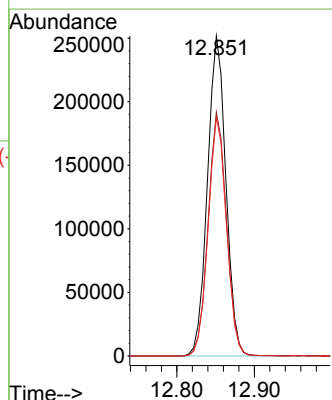
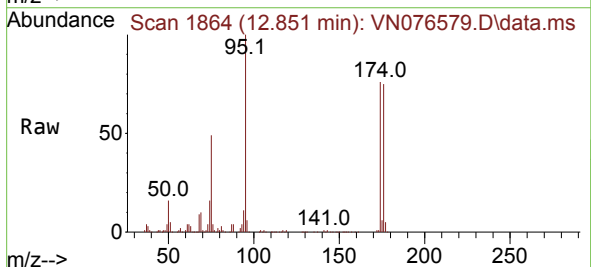
Instrument :
MSVOA_N
ClientSampleId :
TCLP-3

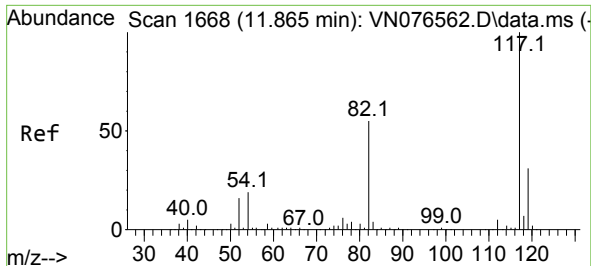
Tgt Ion: 43 Resp: 278899
Ion Ratio Lower Upper
43 100
58 0.0 31.8 95.4#



#62
4-Bromofluorobenzene
Concen: 48.172 ug/l
RT: 12.851 min Scan# 1864
Delta R.T. -0.002 min
Lab File: VN076579.D
Acq: 08 Feb 2023 14:57

Tgt Ion: 95 Resp: 415492
Ion Ratio Lower Upper
95 100
174 76.5 0.0 154.0
176 73.9 0.0 152.0

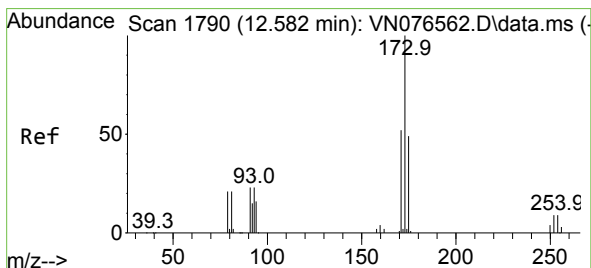
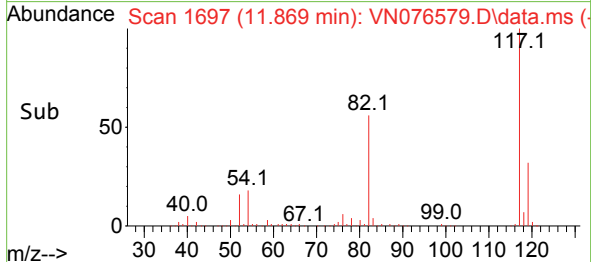
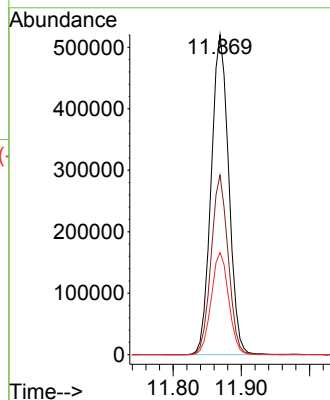
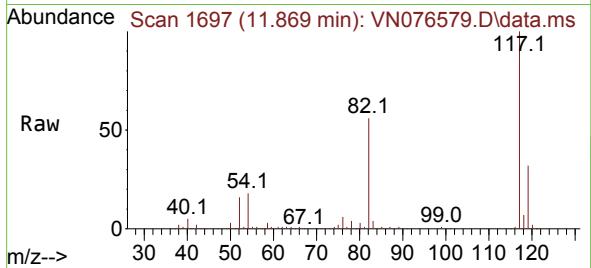




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.869 min Scan# 117
Delta R.T. 0.004 min
Lab File: VN076579.D
Acq: 08 Feb 2023 14:57

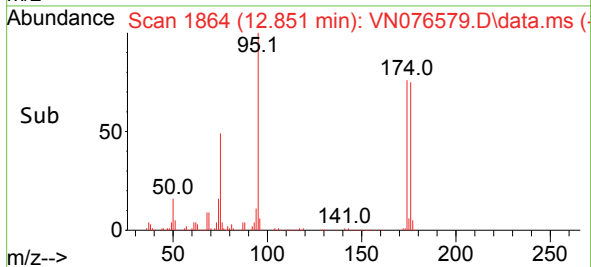
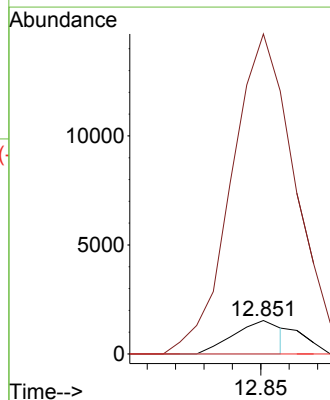
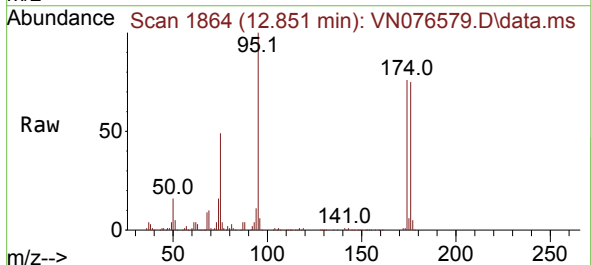
Instrument :
MSVOA_N
ClientSampleId :
TCLP-3

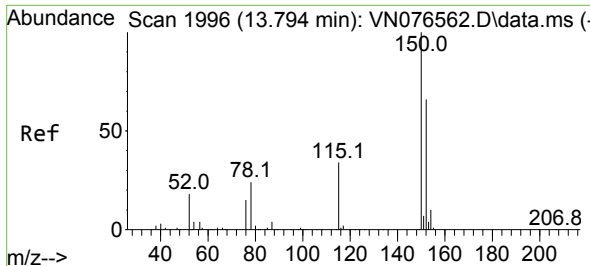
Tgt Ion:117 Resp: 932613
Ion Ratio Lower Upper
117 100
82 56.1 44.2 66.4
119 31.9 25.1 37.7



#71
Bromoform
Concen: 0.360 ug/l
RT: 12.851 min Scan# 1864
Delta R.T. 0.269 min
Lab File: VN076579.D
Acq: 08 Feb 2023 14:57

Tgt Ion:173 Resp: 1796
Ion Ratio Lower Upper
173 100
175 1014.8 24.8 74.3#
254 0.0 0.1 0.1#

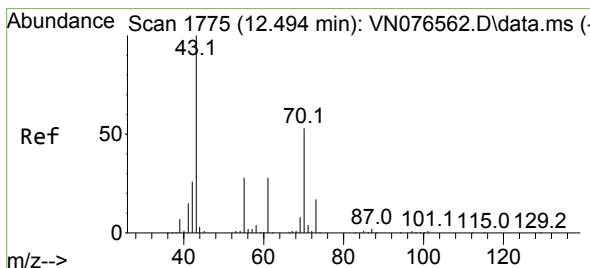
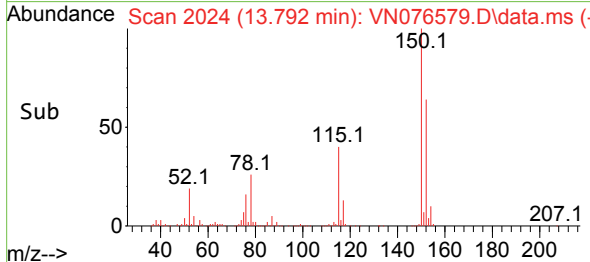
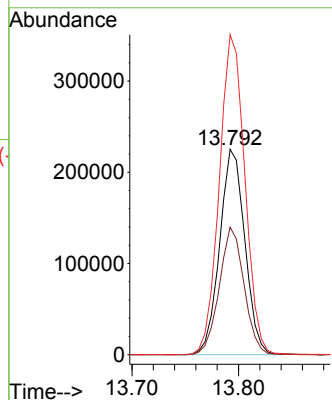
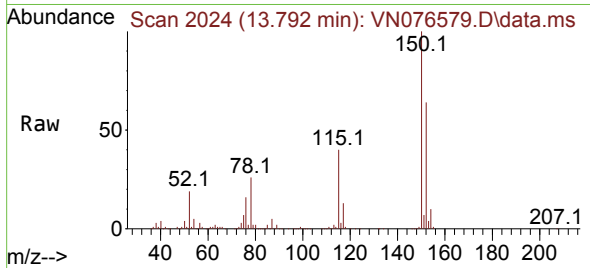




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.792 min Scan# 20
Delta R.T. -0.002 min
Lab File: VN076579.D
Acq: 08 Feb 2023 14:57

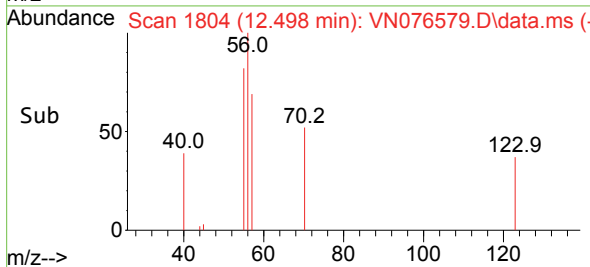
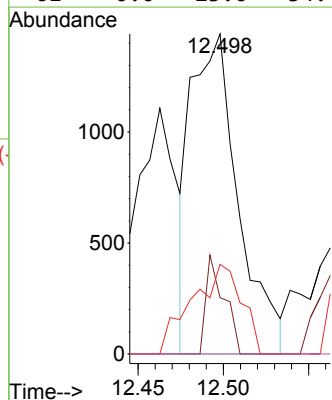
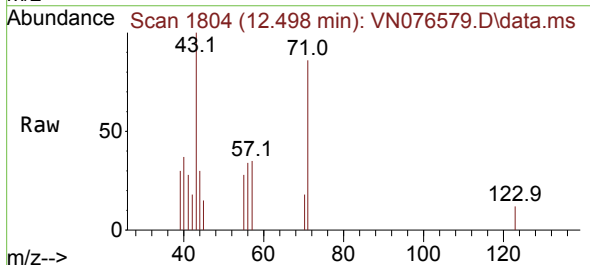
Instrument :
MSVOA_N
ClientSampleId :
TCLP-3

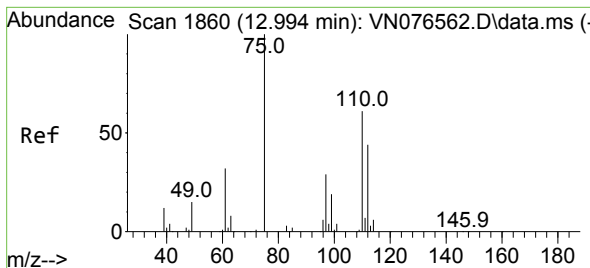
Tgt Ion:152 Resp: 369738
Ion Ratio Lower Upper
152 100
115 61.0 30.8 92.3
150 158.3 0.0 348.8



#74
N-ethyl acetate
Concen: 0.329 ug/l
RT: 12.498 min Scan# 1804
Delta R.T. 0.004 min
Lab File: VN076579.D
Acq: 08 Feb 2023 14:57

Tgt Ion: 43 Resp: 2780
Ion Ratio Lower Upper
43 100
70 11.9 43.1 64.7#
55 29.5 22.4 33.6
61 0.0 23.0 34.4#





#76

1,2,3-Trichloropropane

Concen: 29.063 ug/l

RT: 12.851 min Scan# 1864

Delta R.T. -0.143 min

Lab File: VN076579.D

Acq: 08 Feb 2023 14:57

Instrument :

MSVOA_N

ClientSampleId :

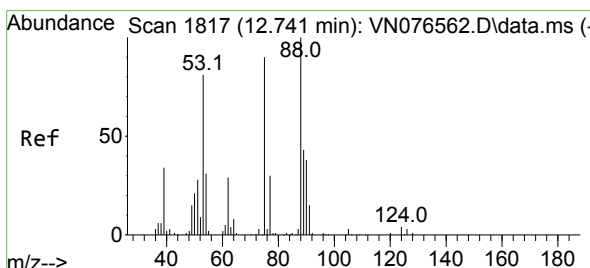
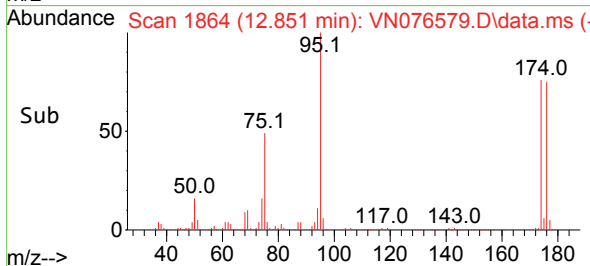
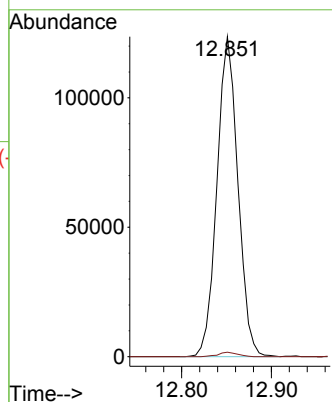
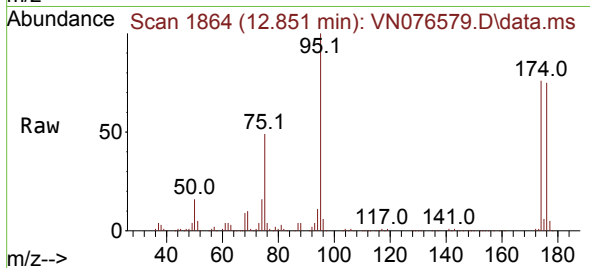
TCLP-3

Tgt Ion: 75 Resp: 200489

Ion Ratio Lower Upper

75 100

77 1.3 87.5 262.5#



#81

trans-1,4-Dichloro-2-butene

Concen: 89.243 ug/l

RT: 12.851 min Scan# 1864

Delta R.T. 0.110 min

Lab File: VN076579.D

Acq: 08 Feb 2023 14:57

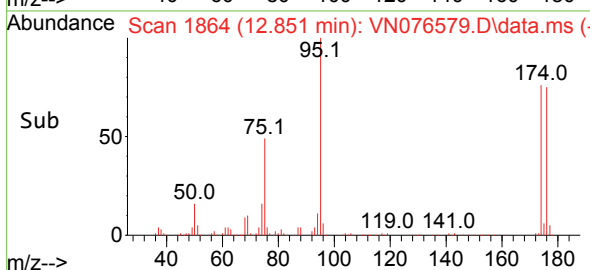
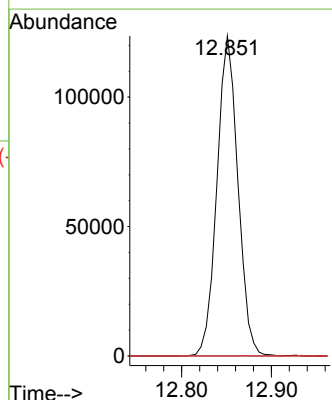
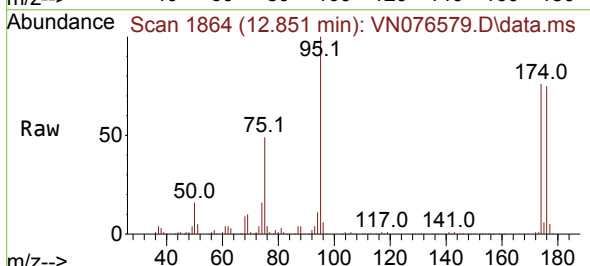
Tgt Ion: 75 Resp: 200489

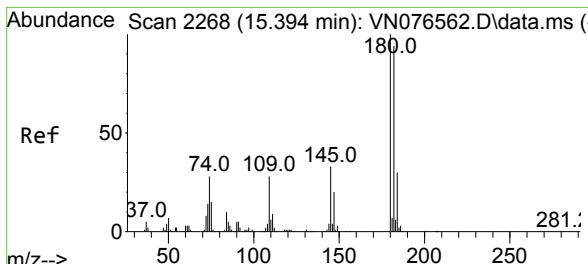
Ion Ratio Lower Upper

75 100

53 0.0 77.1 115.7#

89 0.0 41.5 62.3#

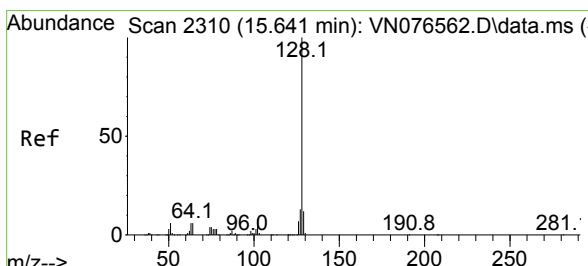
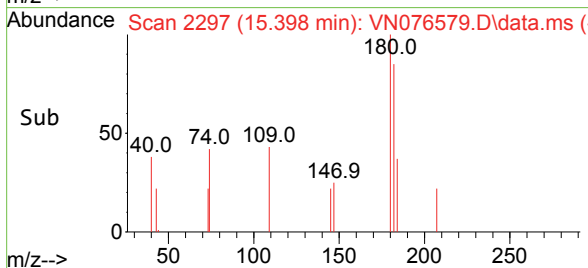
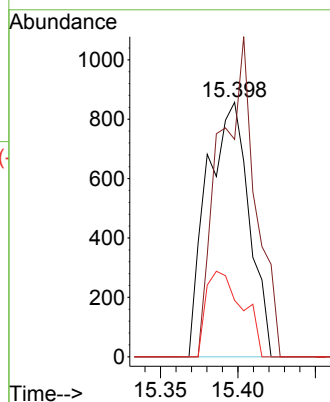
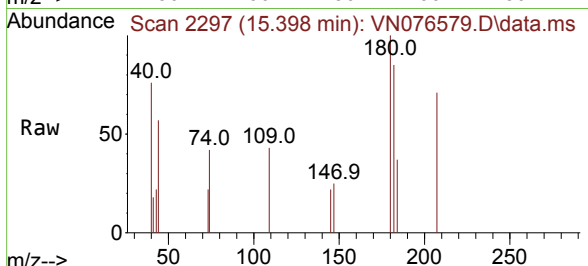




#93
 1,2,4-Trichlorobenzene
 Concen: 0.276 ug/l
 RT: 15.398 min Scan# 21
 Delta R.T. 0.004 min
 Lab File: VN076579.D
 Acq: 08 Feb 2023 14:57

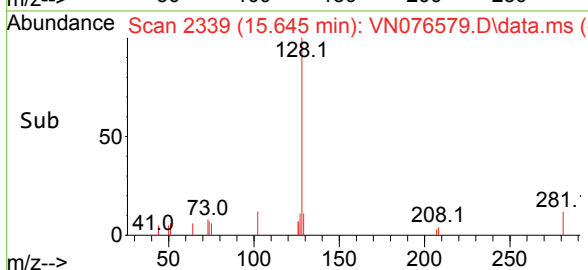
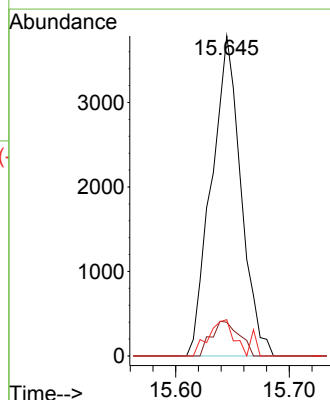
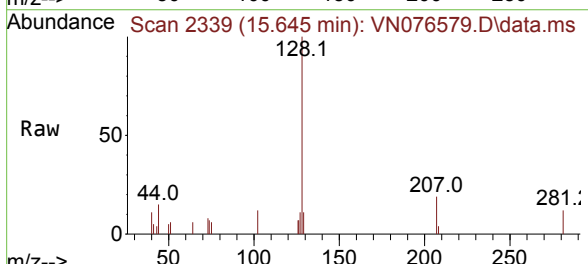
Instrument :
 MSVOA_N
 ClientSampleId :
 TCLP-3

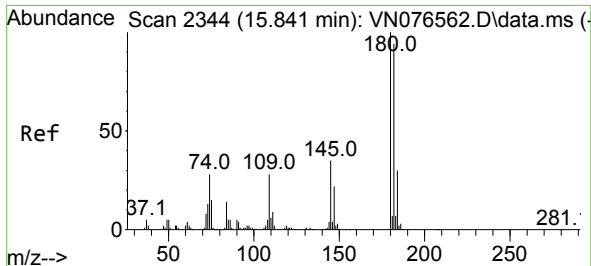
Tgt Ion:180	Resp:	1616
Ion	Ratio	Lower Upper
180	100	
182	107.2	47.4 142.2
145	28.9	16.3 48.8



#95
 Naphthalene
 Concen: 0.401 ug/l
 RT: 15.645 min Scan# 2339
 Delta R.T. 0.004 min
 Lab File: VN076579.D
 Acq: 08 Feb 2023 14:57

Tgt Ion:128	Resp:	6826
Ion	Ratio	Lower Upper
128	100	
127	10.3	10.2 15.2
129	9.7	8.6 13.0





#96
 1,2,3-Trichlorobenzene
 Concen: 0.311 ug/l
 RT: 15.839 min Scan# 21
 Delta R.T. -0.002 min
 Lab File: VN076579.D
 Acq: 08 Feb 2023 14:57

Instrument :
 MSVOA_N
 ClientSampleId :
 TCLP-3

Tgt Ion:180 Resp: 1746
 Ion Ratio Lower Upper
 180 100
 182 88.7 47.4 142.2
 145 31.3 17.2 51.5

