

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN020823\
 Data File : VN076580.D
 Acq On : 08 Feb 2023 15:22
 Operator : JC\MD
 Sample : 01464-06
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 TCLP-8

Quant Time: Feb 09 00:49:15 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)

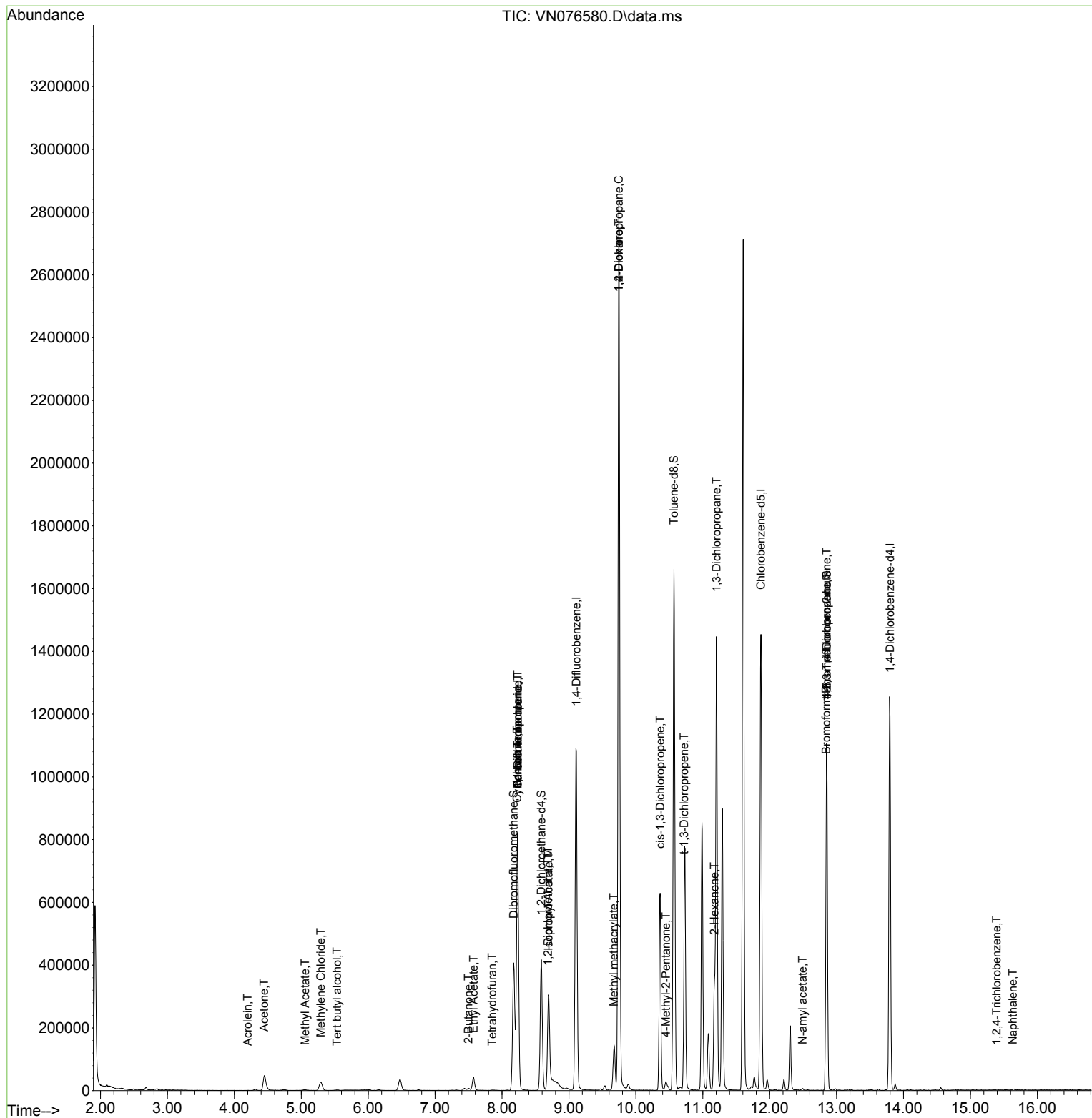
Internal Standards						
1) Pentafluorobenzene	8.234	168	612079	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.110	114	1021234	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.869	117	910434	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.798	152	365816	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.587	65	337836	46.763	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery =	93.520%		
35) Dibromofluoromethane	8.175	113	302550	47.658	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	95.320%		
50) Toluene-d8	10.569	98	1195819	50.071	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery =	100.140%		
62) 4-Bromofluorobenzene	12.851	95	400593	47.612	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery =	95.220%		
Target Compounds					Qvalue	
11) Tert butyl alcohol	5.534	59	1488	1.581	ug/l #	72
13) Acrolein	4.199	56	372	0.296	ug/l #	36
16) Acetone	4.446	43	91175	38.280	ug/l	98
18) Methyl Acetate	5.057	43	6780	0.900	ug/l #	87
20) Methylene Chloride	5.293	84	23928	3.259	ug/l	94
25) 2-Butanone	7.498	43	10924	3.191	ug/l	97
29) Tetrahydrofuran	7.851	42	1207	0.549	ug/l #	59
31) Cyclohexane	8.228	56	11253	0.986	ug/l #	1
36) 1,1-Dichloropropene	8.234	75	46228	5.100	ug/l #	48
37) Ethyl Acetate	7.575	43	60303	8.880	ug/l	98
38) Carbon Tetrachloride	8.234	117	61624	6.323	ug/l #	17
42) 1,2-Dichloroethane	8.687	62	2261	0.253	ug/l #	71
43) Isopropyl Acetate	8.692	43	354221	31.348	ug/l #	84
45) 1,2-Dichloropropane	9.745	63	3962	0.600	ug/l #	42
48) Methyl methacrylate	9.669	41	8048	1.448	ug/l #	30
49) 1,4-Dioxane	9.745	88	493	4.147	ug/l #	1
51) 4-Methyl-2-Pentanone	10.451	43	27394	4.034	ug/l #	75
53) t-1,3-Dichloropropene	10.722	75	2205	0.238	ug/l #	59
54) cis-1,3-Dichloropropene	10.363	75	131951	12.510	ug/l #	60
57) 1,3-Dichloropropane	11.204	76	16423	1.461	ug/l #	42
59) 2-Hexanone	11.175	43	277505	57.317	ug/l #	18
71) Bromoform	12.845	173	1936	0.398	ug/l #	1
74) N-amyl acetate	12.492	43	2942	0.352	ug/l #	48
76) 1,2,3-Trichloropropane	12.851	75	195899	28.702	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.851	75	195899	88.134	ug/l #	10
93) 1,2,4-Trichlorobenzene	15.392	180	1186	0.205	ug/l	89
95) Naphthalene	15.633	128	4650	0.276	ug/l #	93

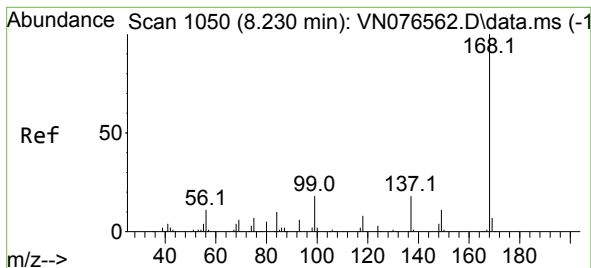
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN020823\
Data File : VN076580.D
Acq On : 08 Feb 2023 15:22
Operator : JC\MD
Sample : 01464-06
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 15 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
TCLP-8

Quant Time: Feb 09 00:49:15 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





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 8.234 min Scan# 1

Delta R.T. 0.004 min

Lab File: VN076580.D

Acq: 08 Feb 2023 15:22

Instrument :

MSVOA_N

ClientSampleId :

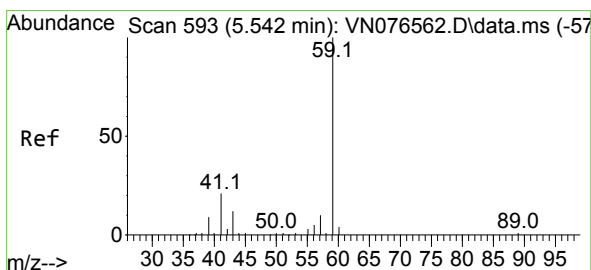
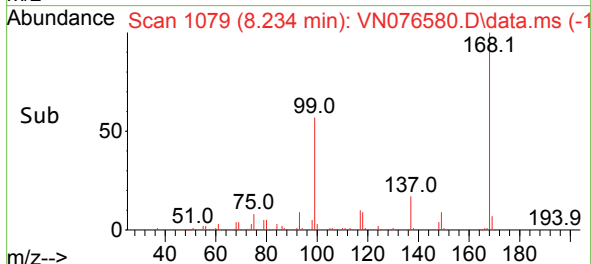
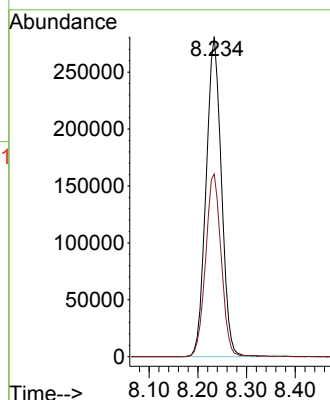
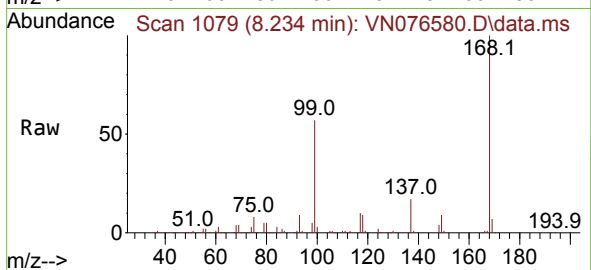
TCLP-8

Tgt Ion:168 Resp: 612079

Ion Ratio Lower Upper

168 100

99 57.1 47.8 71.8



#11

Tert butyl alcohol

Concen: 1.581 ug/l

RT: 5.534 min Scan# 620

Delta R.T. -0.008 min

Lab File: VN076580.D

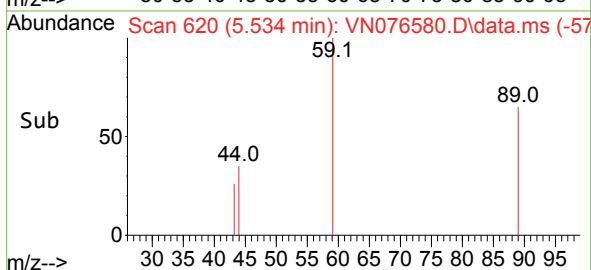
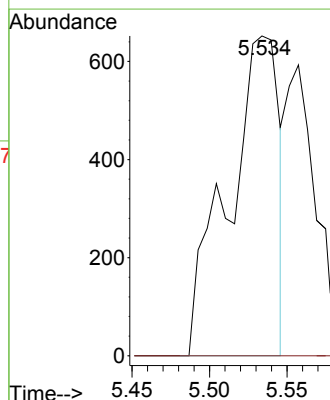
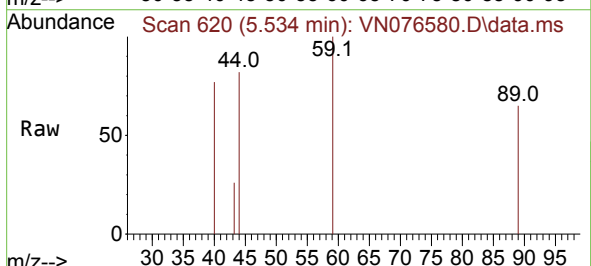
Acq: 08 Feb 2023 15:22

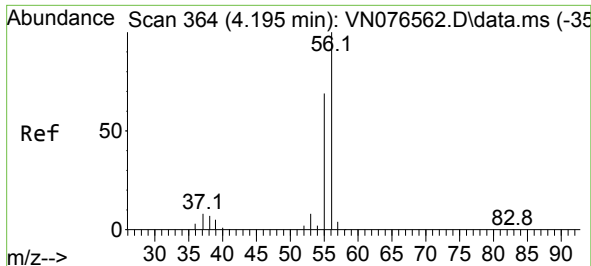
Tgt Ion: 59 Resp: 1488

Ion Ratio Lower Upper

59 100

57 0.0 8.3 12.5#

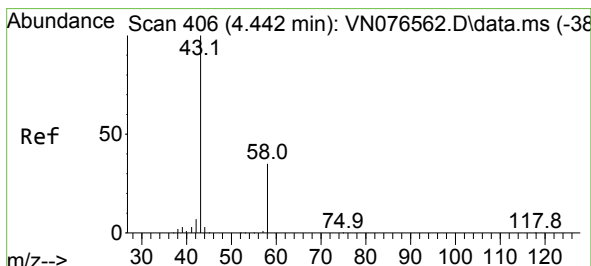
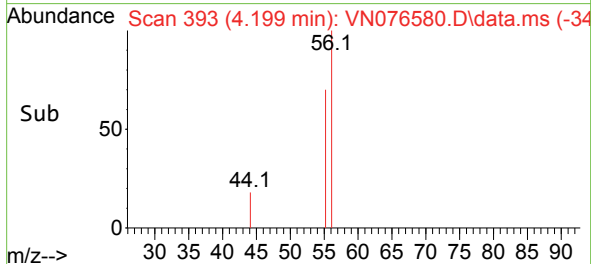
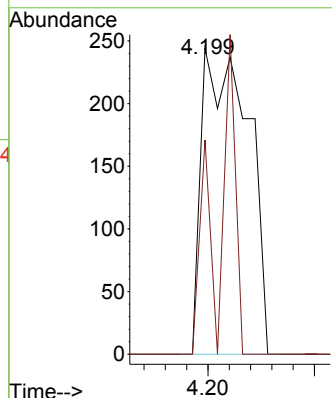
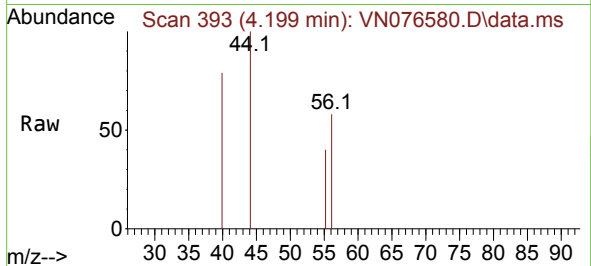




#13
Acrolein
Concen: 0.296 ug/l
RT: 4.199 min Scan# 364
Delta R.T. 0.004 min
Lab File: VN076580.D
Acq: 08 Feb 2023 15:22

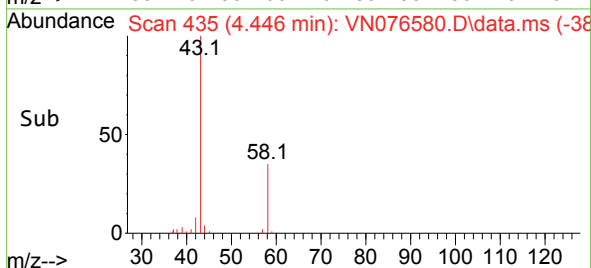
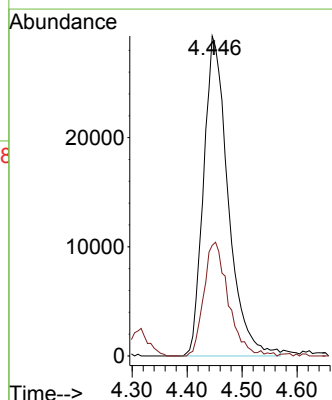
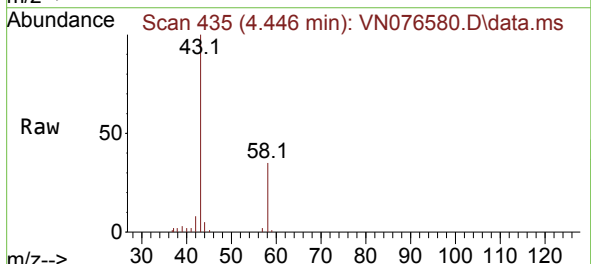
Instrument :
MSVOA_N
ClientSampleId :
TCLP-8

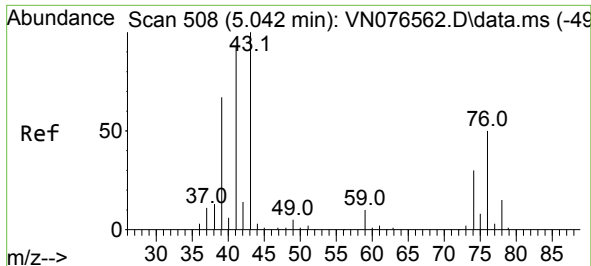
Tgt Ion: 56 Resp: 372
Ion Ratio Lower Upper
56 100
55 16.1 54.7 82.1#



#16
Acetone
Concen: 38.280 ug/l
RT: 4.446 min Scan# 435
Delta R.T. 0.004 min
Lab File: VN076580.D
Acq: 08 Feb 2023 15:22

Tgt Ion: 43 Resp: 91175
Ion Ratio Lower Upper
43 100
58 34.5 28.4 42.6

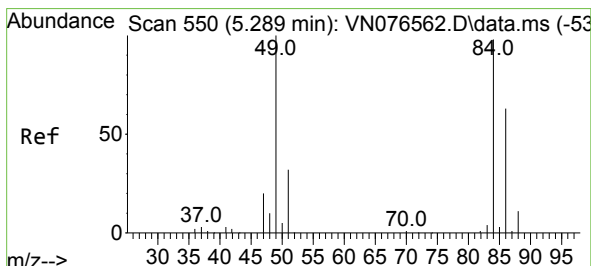
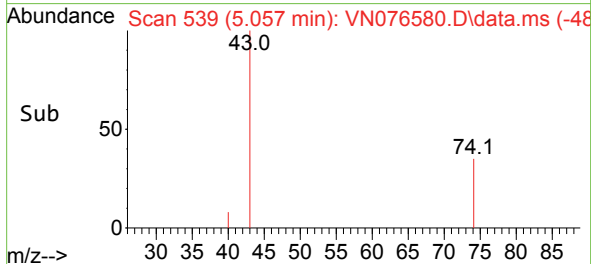
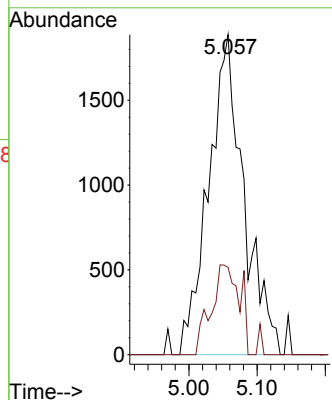
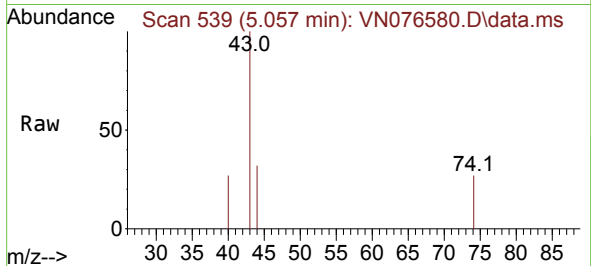




#18
Methyl Acetate
Concen: 0.900 ug/l
RT: 5.057 min Scan# 51
Delta R.T. 0.015 min
Lab File: VN076580.D
Acq: 08 Feb 2023 15:22

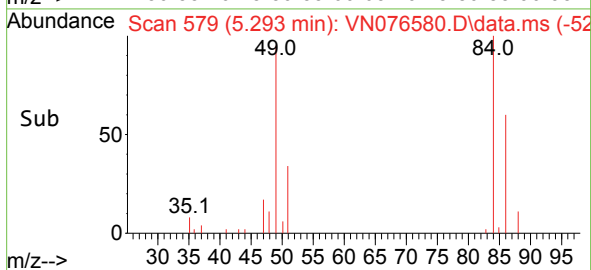
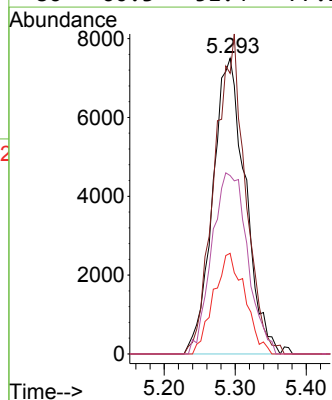
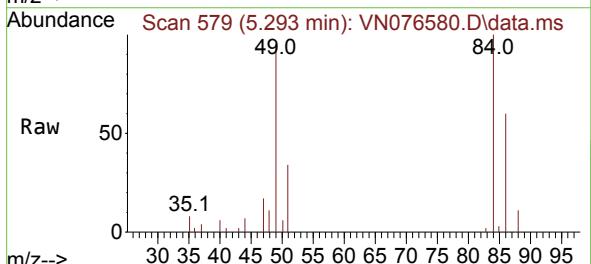
Instrument :
MSVOA_N
ClientSampleId :
TCLP-8

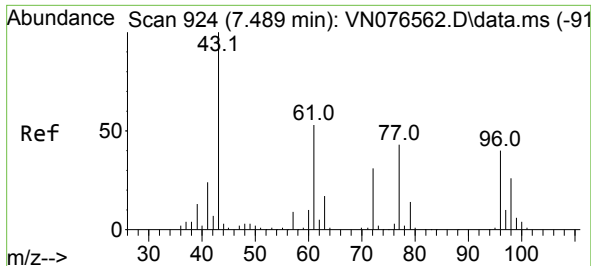
Tgt Ion: 43 Resp: 6780
Ion Ratio Lower Upper
43 100
74 22.6 23.9 35.9#



#20
Methylene Chloride
Concen: 3.259 ug/l
RT: 5.293 min Scan# 579
Delta R.T. 0.004 min
Lab File: VN076580.D
Acq: 08 Feb 2023 15:22

Tgt Ion: 84 Resp: 23928
Ion Ratio Lower Upper
84 100
49 94.9 82.0 123.0
51 34.0 26.0 39.0
86 60.3 51.4 77.2

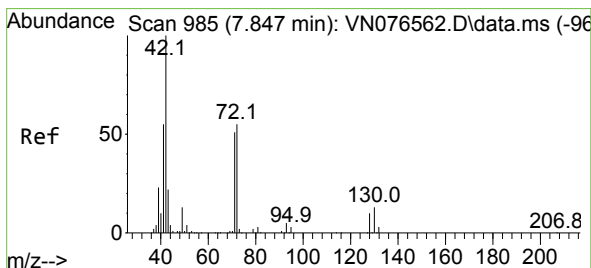
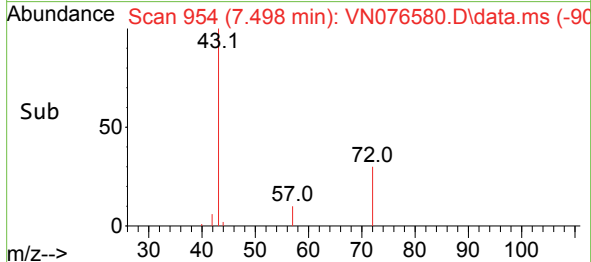
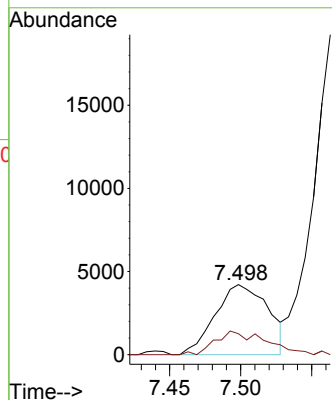
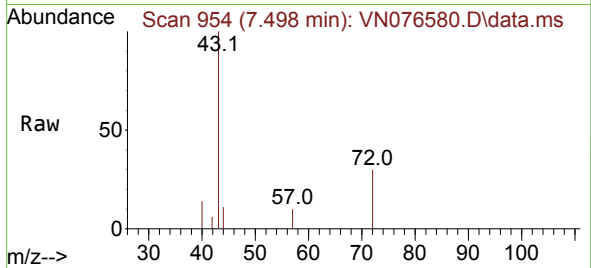




#25
2-Butanone
Concen: 3.191 ug/l
RT: 7.498 min Scan# 91
Delta R.T. 0.009 min
Lab File: VN076580.D
Acq: 08 Feb 2023 15:22

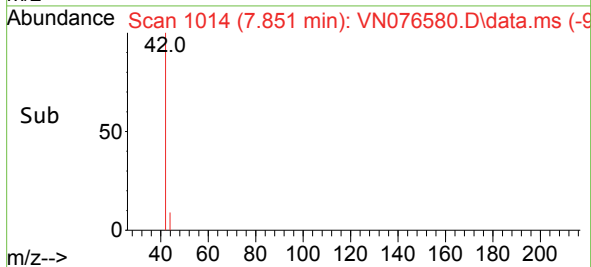
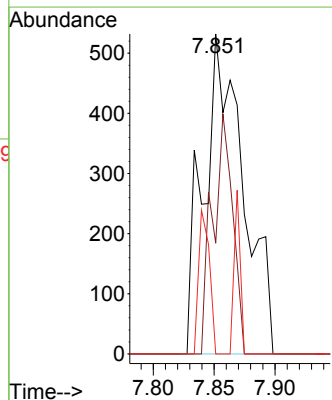
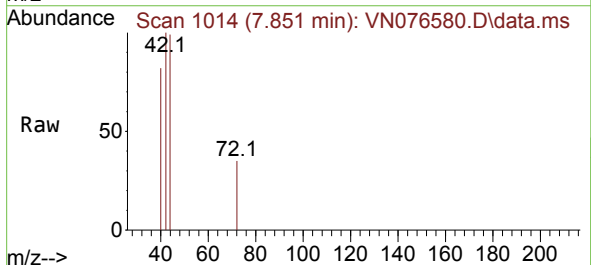
Instrument :
MSVOA_N
ClientSampleId :
TCLP-8

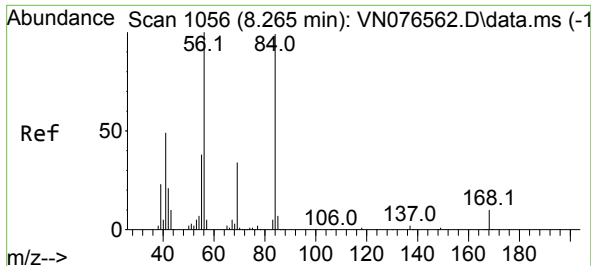
Tgt Ion: 43 Resp: 10924
Ion Ratio Lower Upper
43 100
72 30.0 25.1 37.7



#29
Tetrahydrofuran
Concen: 0.549 ug/l
RT: 7.851 min Scan# 1014
Delta R.T. 0.004 min
Lab File: VN076580.D
Acq: 08 Feb 2023 15:22

Tgt Ion: 42 Resp: 1207
Ion Ratio Lower Upper
42 100
72 37.8 42.9 64.3#
71 8.0 39.9 59.9#

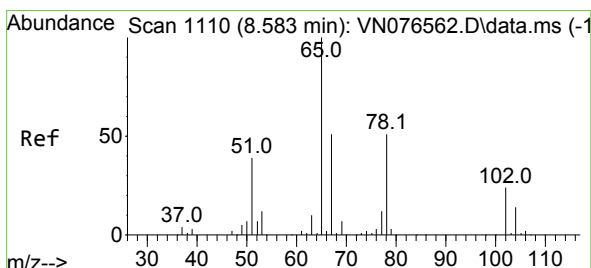
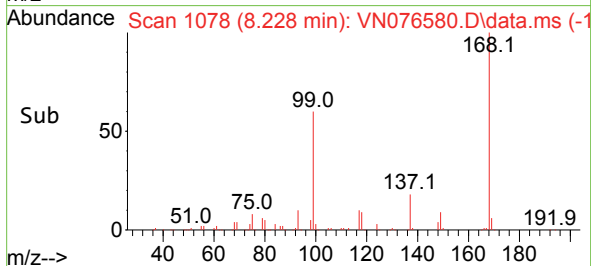
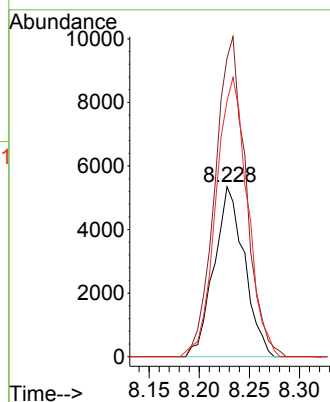
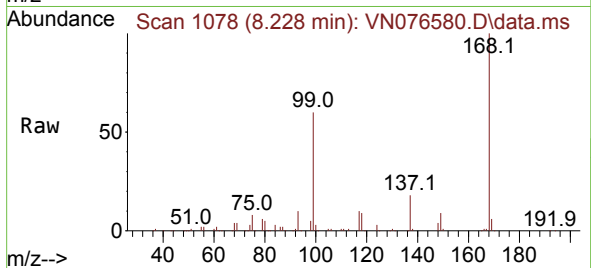




#31
Cyclohexane
Concen: 0.986 ug/l
RT: 8.228 min Scan# 1139
Delta R.T. -0.037 min
Lab File: VN076580.D
Acq: 08 Feb 2023 15:22

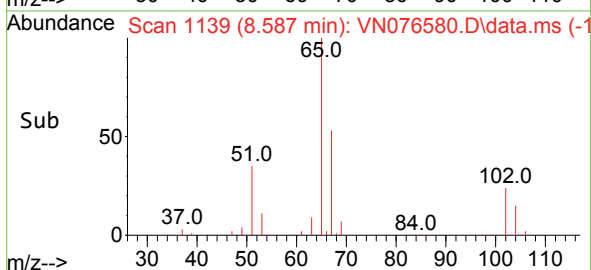
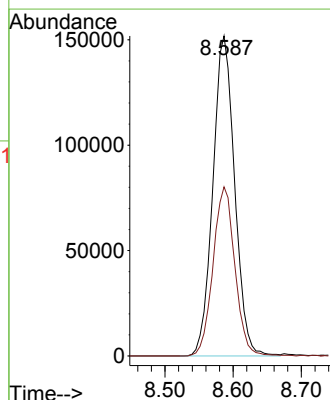
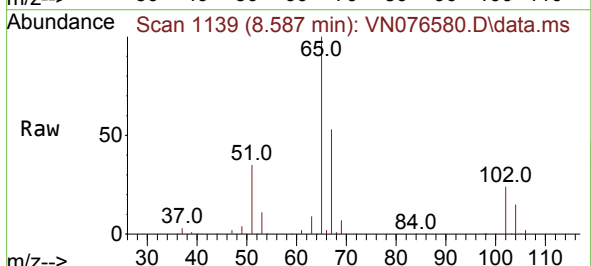
Instrument :
MSVOA_N
ClientSampleId :
TCLP-8

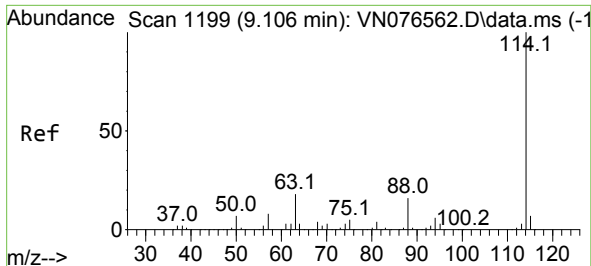
Tgt Ion: 56 Resp: 11253
Ion Ratio Lower Upper
56 100
69 175.9 27.0 40.4#
84 150.6 79.5 119.3#



#33
1,2-Dichloroethane-d4
Concen: 46.763 ug/l
RT: 8.587 min Scan# 1139
Delta R.T. 0.004 min
Lab File: VN076580.D
Acq: 08 Feb 2023 15:22

Tgt Ion: 65 Resp: 337836
Ion Ratio Lower Upper
65 100
67 52.9 0.0 105.4





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 9.110 min Scan# 1199

Delta R.T. 0.004 min

Lab File: VN076580.D

Acq: 08 Feb 2023 15:22

Instrument :

MSVOA_N

ClientSampleId :

TCLP-8

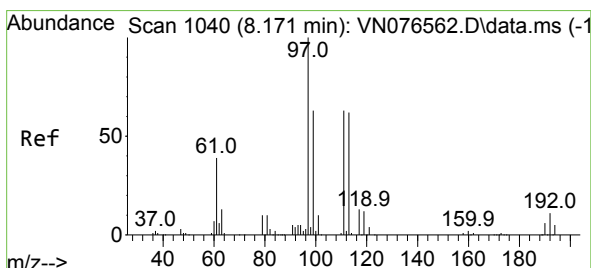
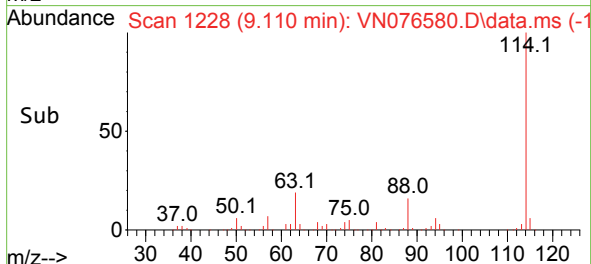
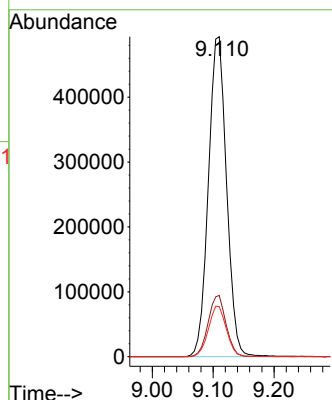
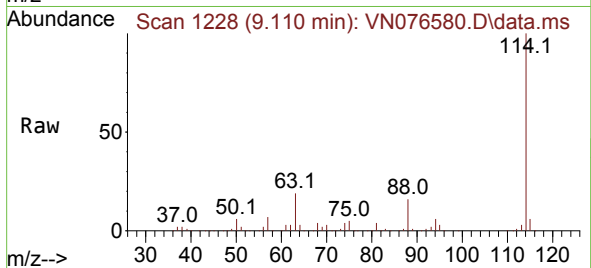
Tgt Ion:114 Resp: 1021234

Ion Ratio Lower Upper

114 100

63 19.1 0.0 36.6

88 15.7 0.0 32.0



#35

Dibromofluoromethane

Concen: 47.658 ug/l

RT: 8.175 min Scan# 1069

Delta R.T. 0.004 min

Lab File: VN076580.D

Acq: 08 Feb 2023 15:22

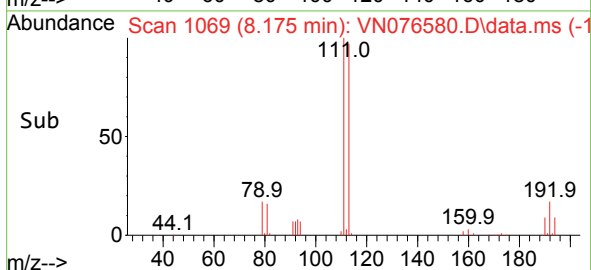
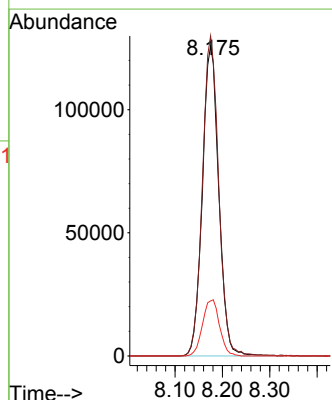
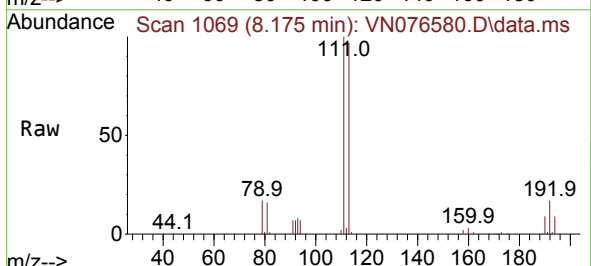
Tgt Ion:113 Resp: 302550

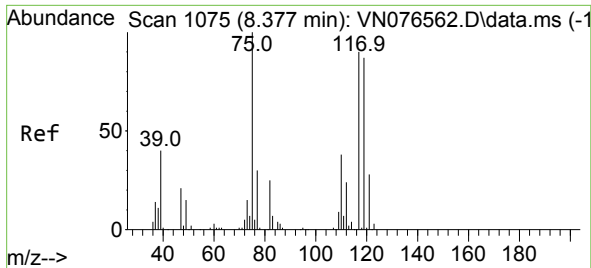
Ion Ratio Lower Upper

113 100

111 102.7 82.0 123.0

192 18.8 14.8 22.2

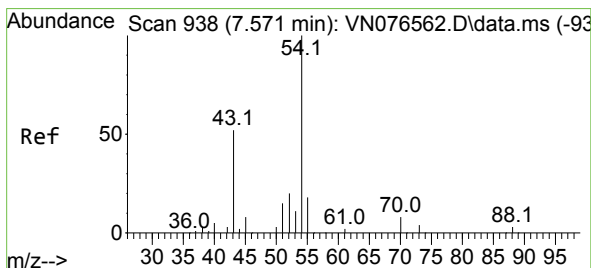
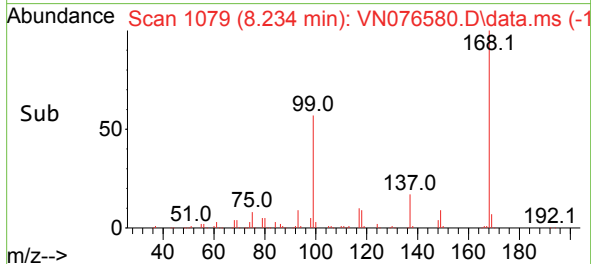
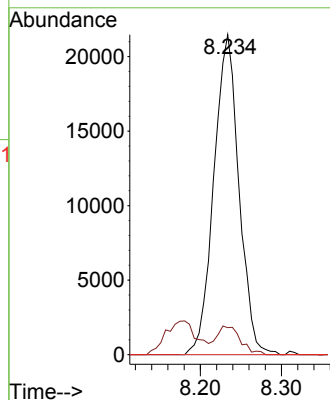
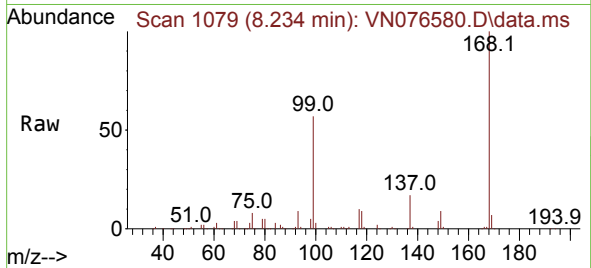




#36
1,1-Dichloropropene
Concen: 5.100 ug/l
RT: 8.234 min Scan# 11
Delta R.T. -0.143 min
Lab File: VN076580.D
Acq: 08 Feb 2023 15:22

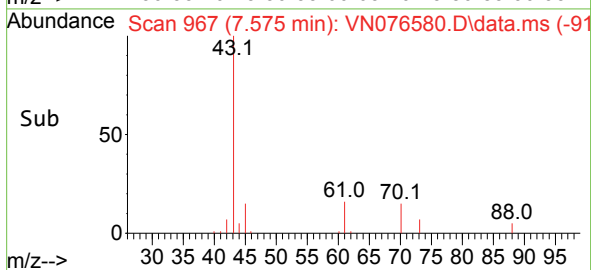
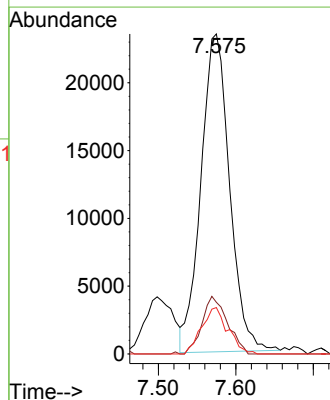
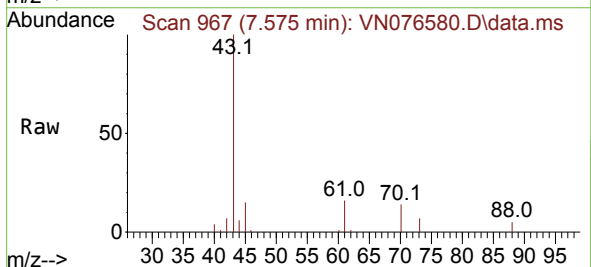
Instrument :
MSVOA_N
ClientSampleId :
TCLP-8

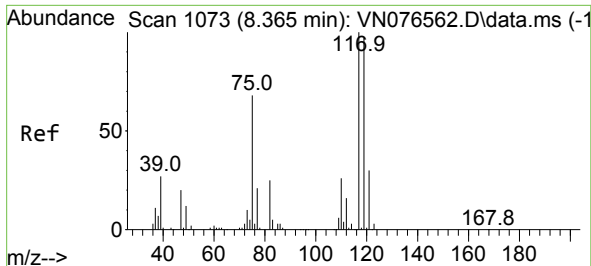
Tgt Ion: 75 Resp: 46228
Ion Ratio Lower Upper
75 100
110 8.6 18.6 55.6#
77 0.0 25.1 37.7#



#37
Ethyl Acetate
Concen: 8.880 ug/l
RT: 7.575 min Scan# 967
Delta R.T. 0.004 min
Lab File: VN076580.D
Acq: 08 Feb 2023 15:22

Tgt Ion: 43 Resp: 60303
Ion Ratio Lower Upper
43 100
61 16.1 11.8 17.6
70 13.4 10.4 15.6

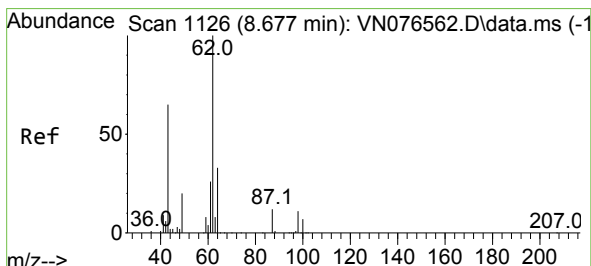
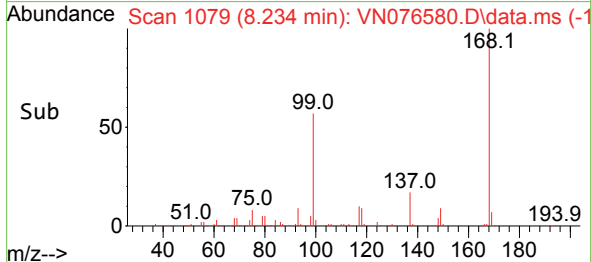
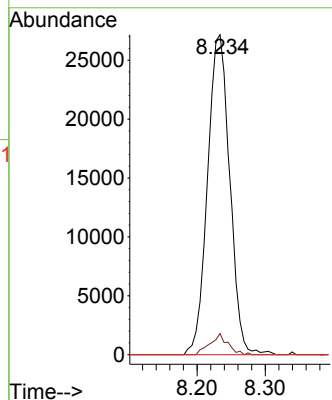
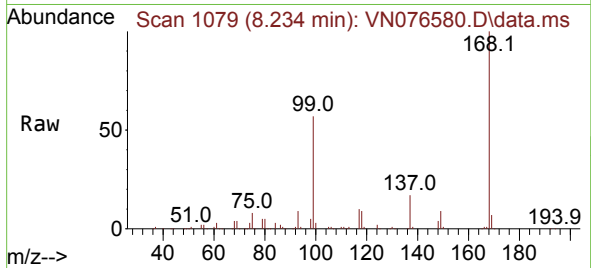




#38
Carbon Tetrachloride
Concen: 6.323 ug/l
RT: 8.234 min Scan# 1156
Delta R.T. -0.131 min
Lab File: VN076580.D
Acq: 08 Feb 2023 15:22

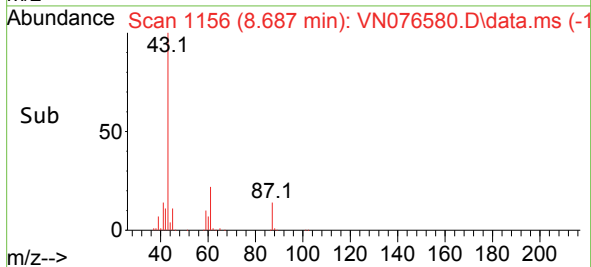
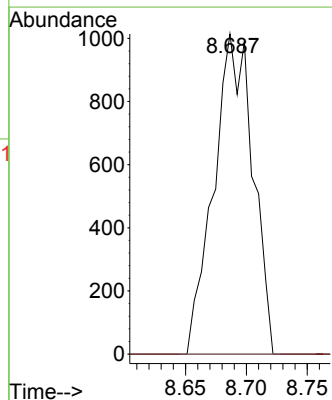
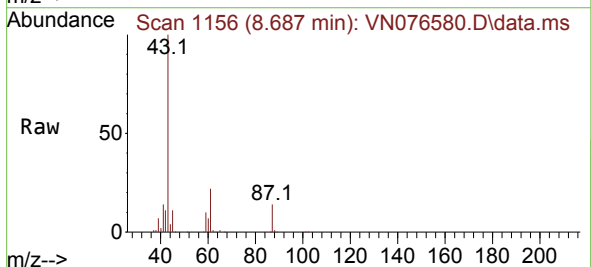
Instrument :
MSVOA_N
ClientSampleId :
TCLP-8

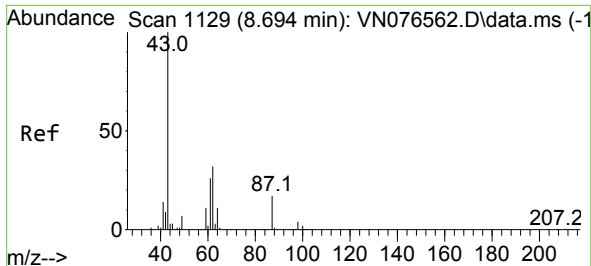
Tgt Ion:117 Resp: 61624
Ion Ratio Lower Upper
117 100
119 6.6 77.2 115.8#
121 0.0 23.9 35.9#



#42
1,2-Dichloroethane
Concen: 0.253 ug/l
RT: 8.687 min Scan# 1156
Delta R.T. 0.010 min
Lab File: VN076580.D
Acq: 08 Feb 2023 15:22

Tgt Ion: 62 Resp: 2261
Ion Ratio Lower Upper
62 100
98 0.0 0.0 21.6

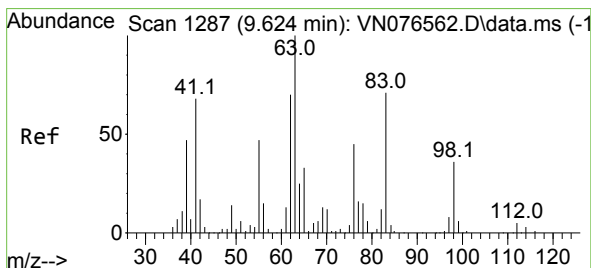
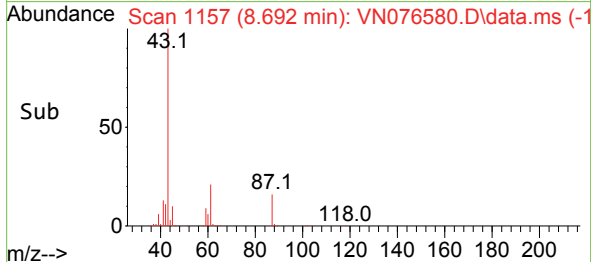
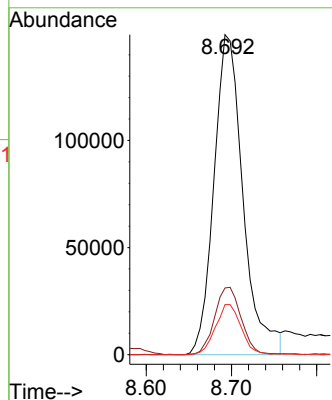
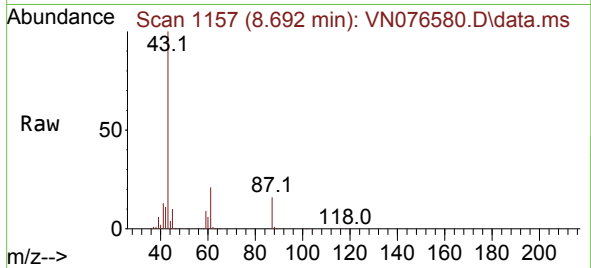




#43
Isopropyl Acetate
Concen: 31.348 ug/l
RT: 8.692 min Scan# 1129
Delta R.T. -0.002 min
Lab File: VN076580.D
Acq: 08 Feb 2023 15:22

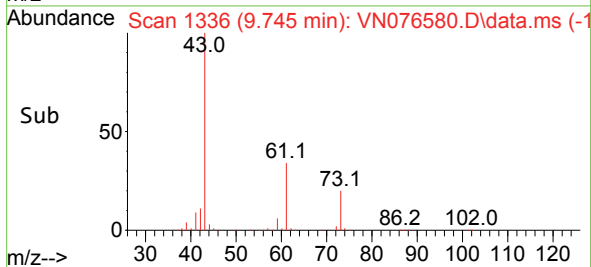
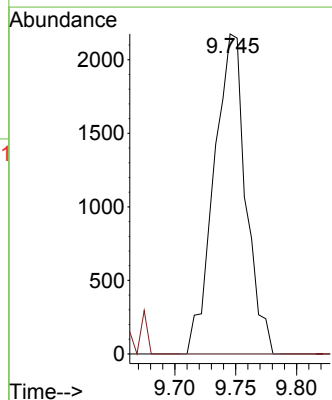
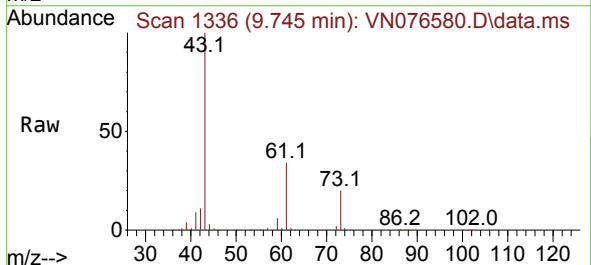
Instrument :
MSVOA_N
ClientSampleId :
TCLP-8

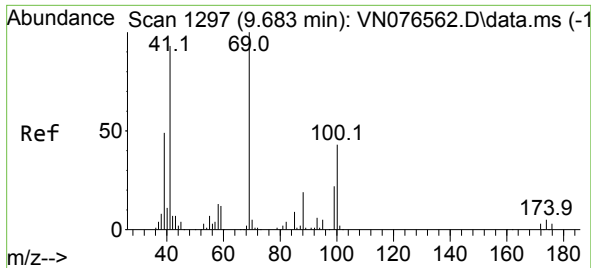
Tgt Ion: 43 Resp: 354221
Ion Ratio Lower Upper
43 100
61 19.4 24.5 36.7#
87 13.9 13.6 20.4



#45
1,2-Dichloropropane
Concen: 0.600 ug/l
RT: 9.745 min Scan# 1336
Delta R.T. 0.121 min
Lab File: VN076580.D
Acq: 08 Feb 2023 15:22

Tgt Ion: 63 Resp: 3962
Ion Ratio Lower Upper
63 100
65 0.0 26.0 39.0#

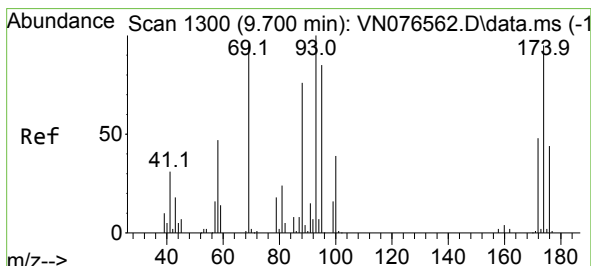
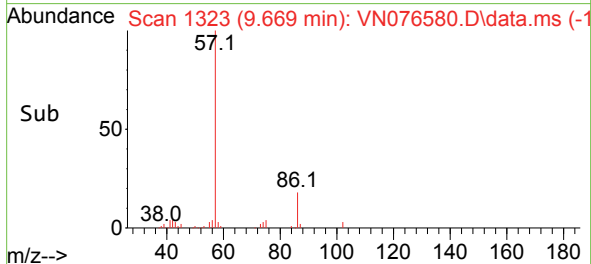
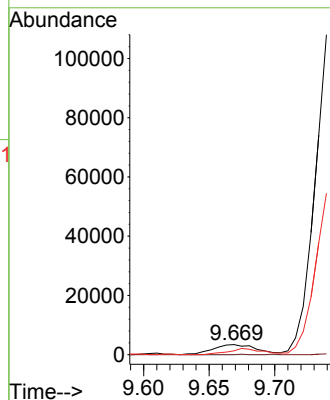
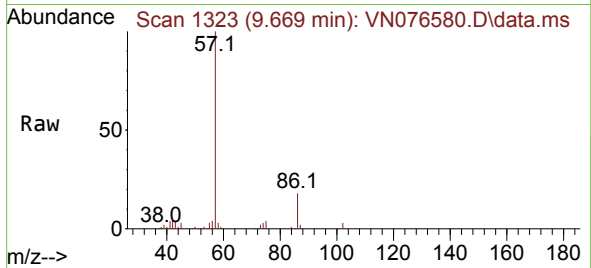




#48
Methyl methacrylate
Concen: 1.448 ug/l
RT: 9.669 min Scan# 11
Delta R.T. -0.014 min
Lab File: VN076580.D
Acq: 08 Feb 2023 15:22

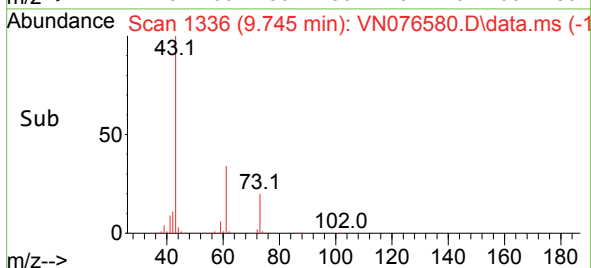
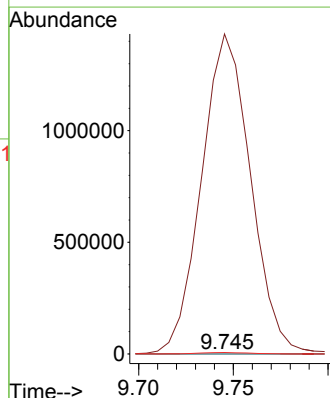
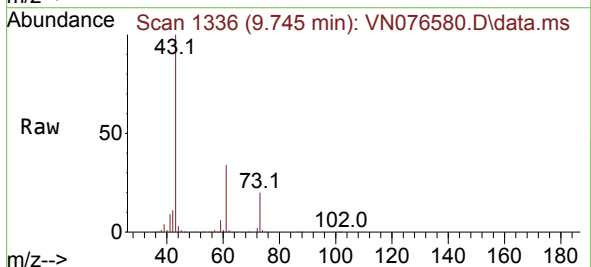
Instrument :
MSVOA_N
ClientSampleId :
TCLP-8

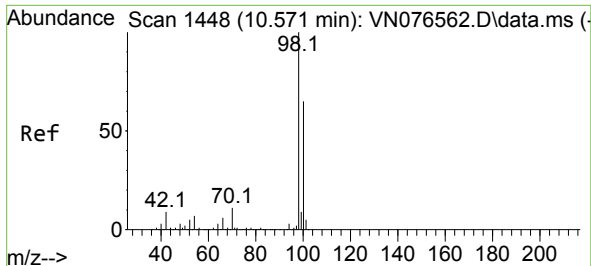
Tgt Ion: 41 Resp: 8048
Ion Ratio Lower Upper
41 100
69 0.7 83.0 124.4#
39 46.7 43.8 65.8



#49
1,4-Dioxane
Concen: 4.147 ug/l
RT: 9.745 min Scan# 1336
Delta R.T. 0.045 min
Lab File: VN076580.D
Acq: 08 Feb 2023 15:22

Tgt Ion: 88 Resp: 493
Ion Ratio Lower Upper
88 100
43 527464.1 16.7 25.1#
58 2468.4 51.7 77.5#

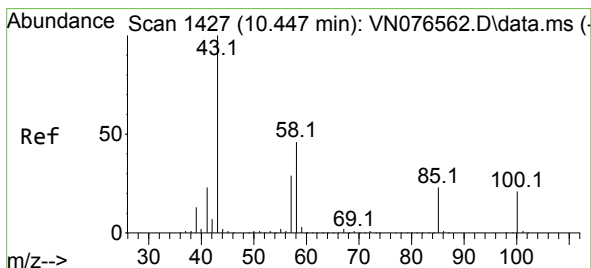
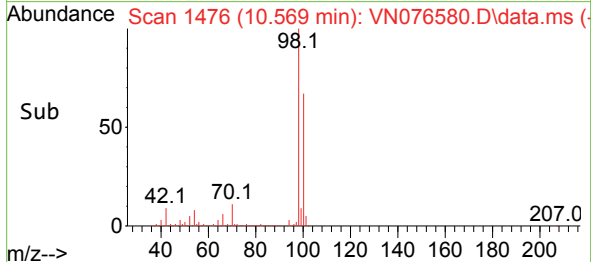
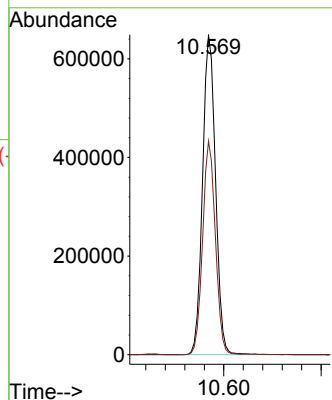
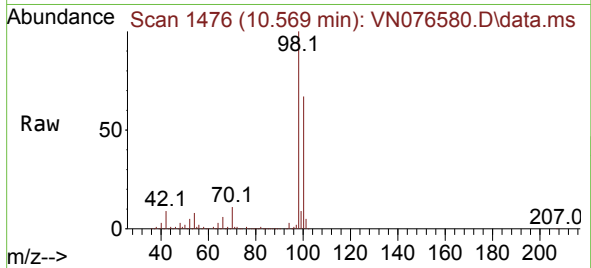




#50
Toluene-d8
Concen: 50.071 ug/l
RT: 10.569 min Scan# 1448
Delta R.T. -0.002 min
Lab File: VN076580.D
Acq: 08 Feb 2023 15:22

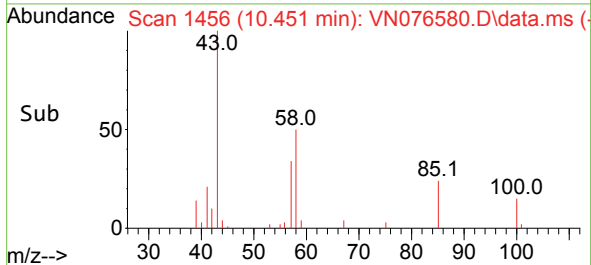
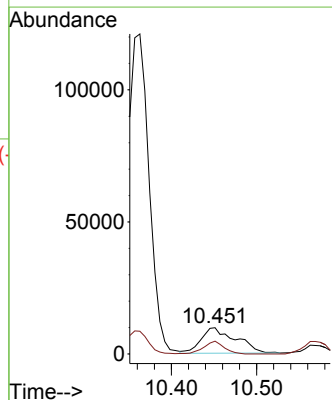
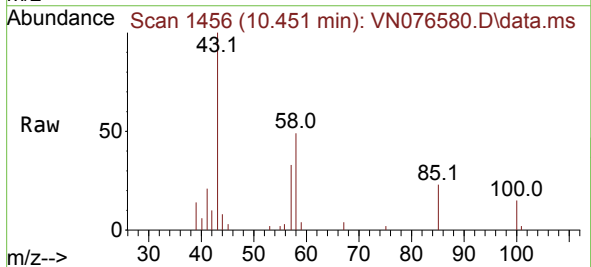
Instrument :
MSVOA_N
ClientSampleId :
TCLP-8

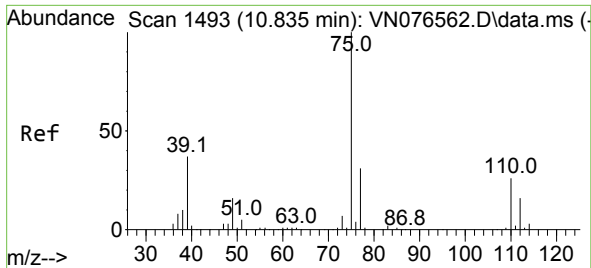
Tgt Ion: 98 Resp: 1195819
Ion Ratio Lower Upper
98 100
100 65.8 52.9 79.3



#51
4-Methyl-2-Pentanone
Concen: 4.034 ug/l
RT: 10.451 min Scan# 1456
Delta R.T. 0.004 min
Lab File: VN076580.D
Acq: 08 Feb 2023 15:22

Tgt Ion: 43 Resp: 27394
Ion Ratio Lower Upper
43 100
58 29.0 36.4 54.6#

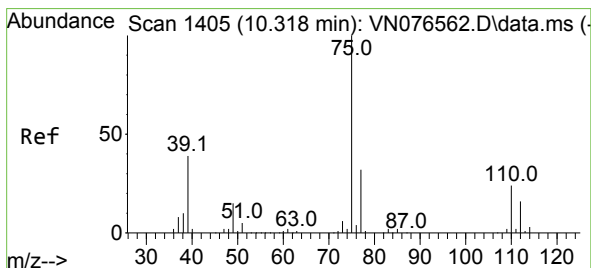
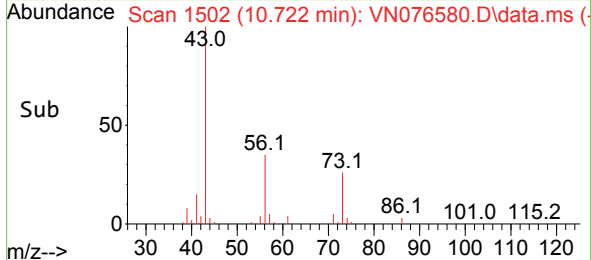
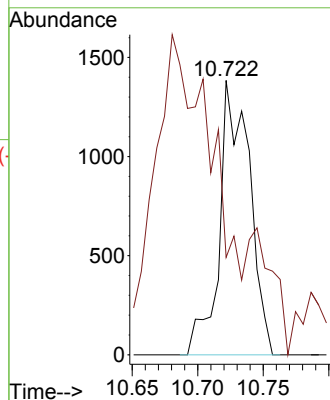
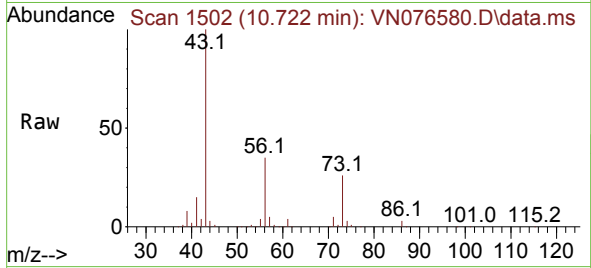




#53
t-1,3-Dichloropropene
Concen: 0.238 ug/l
RT: 10.722 min Scan# 11
Delta R.T. -0.113 min
Lab File: VN076580.D
Acq: 08 Feb 2023 15:22

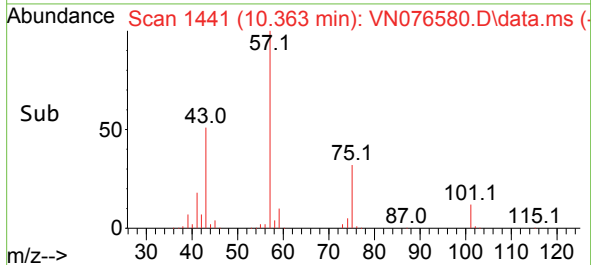
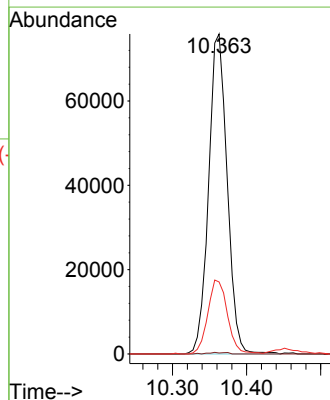
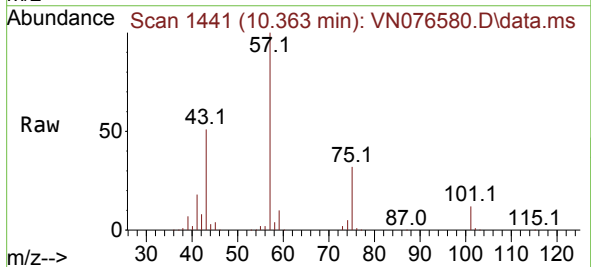
Instrument :
MSVOA_N
ClientSampleId :
TCLP-8

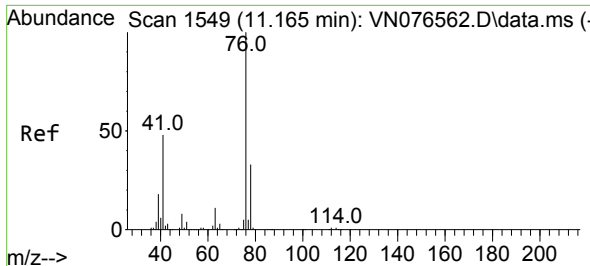
Tgt Ion: 75 Resp: 2205
Ion Ratio Lower Upper
75 100
77 8.0 24.5 36.7#



#54
cis-1,3-Dichloropropene
Concen: 12.510 ug/l
RT: 10.363 min Scan# 1441
Delta R.T. 0.045 min
Lab File: VN076580.D
Acq: 08 Feb 2023 15:22

Tgt Ion: 75 Resp: 131951
Ion Ratio Lower Upper
75 100
77 0.3 25.4 38.0#
39 22.5 31.1 46.7#





#57

1,3-Dichloropropane

Concen: 1.461 ug/l

RT: 11.204 min Scan# 1584

Delta R.T. 0.039 min

Lab File: VN076580.D

Acq: 08 Feb 2023 15:22

Instrument :

MSVOA_N

ClientSampleId :

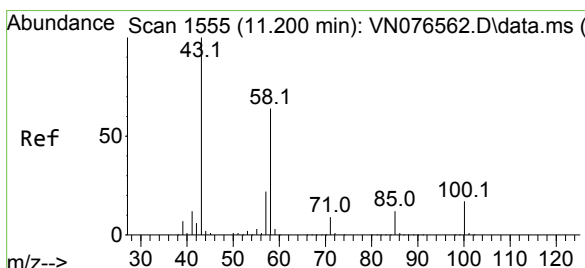
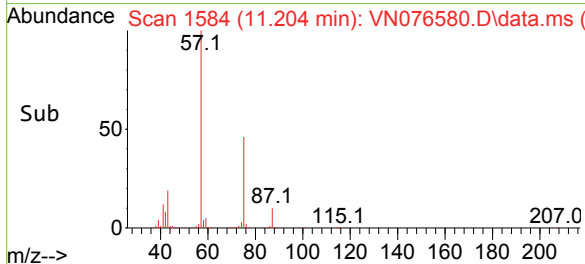
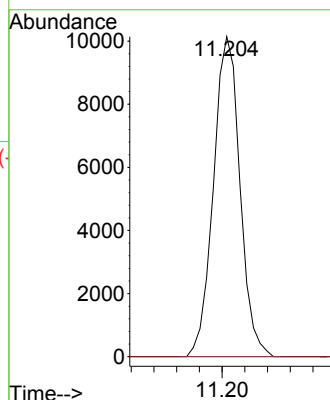
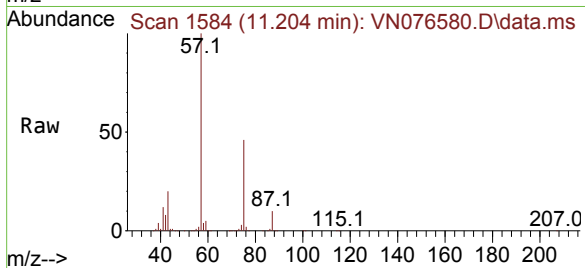
TCLP-8

Tgt Ion: 76 Resp: 16423

Ion Ratio Lower Upper

76 100

78 0.0 26.2 39.4#



#59

2-Hexanone

Concen: 57.317 ug/l

RT: 11.175 min Scan# 1579

Delta R.T. -0.025 min

Lab File: VN076580.D

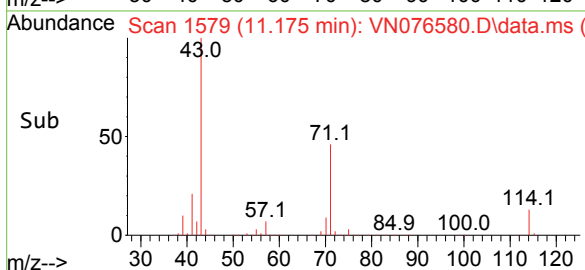
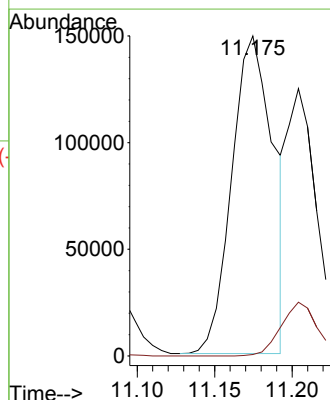
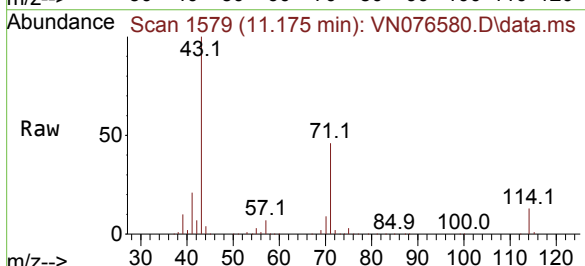
Acq: 08 Feb 2023 15:22

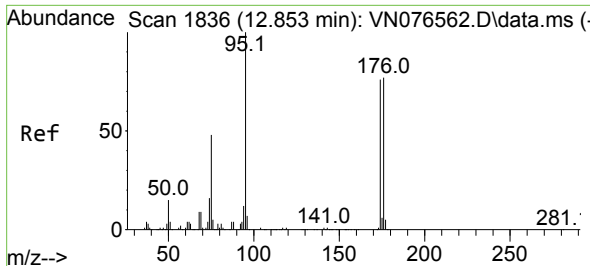
Tgt Ion: 43 Resp: 277505

Ion Ratio Lower Upper

43 100

58 0.0 31.8 95.4#

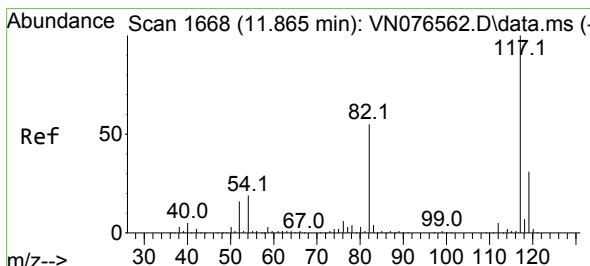
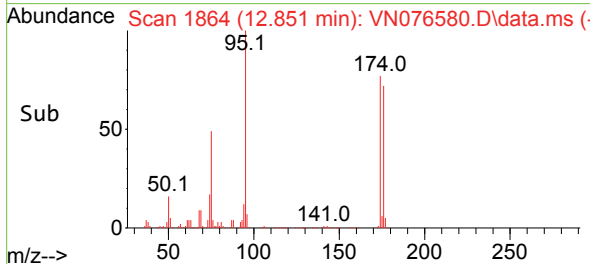
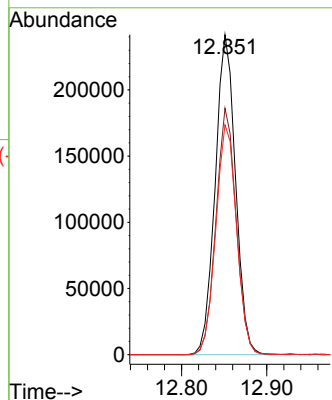
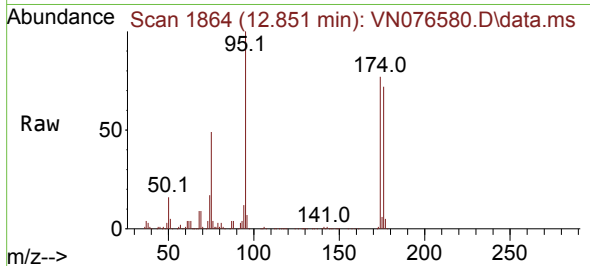




#62
4-Bromofluorobenzene
Concen: 47.612 ug/l
RT: 12.851 min Scan# 1836
Delta R.T. -0.002 min
Lab File: VN076580.D
Acq: 08 Feb 2023 15:22

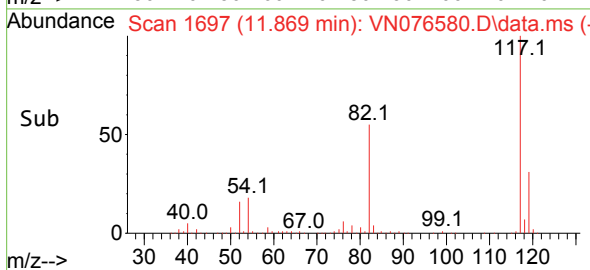
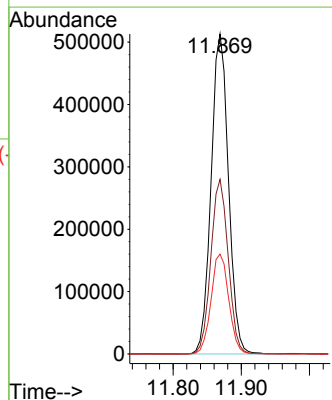
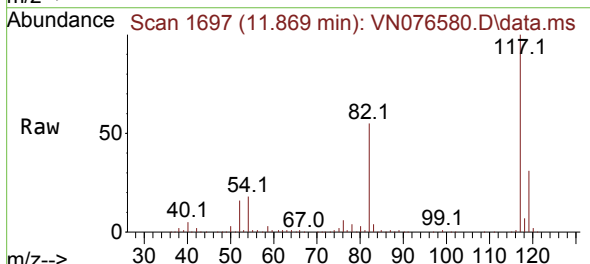
Instrument :
MSVOA_N
ClientSampleId :
TCLP-8

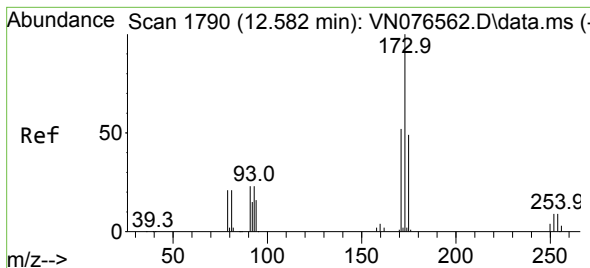
Tgt Ion: 95 Resp: 400593
Ion Ratio Lower Upper
95 100
174 76.6 0.0 154.0
176 73.2 0.0 152.0



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.869 min Scan# 1697
Delta R.T. 0.004 min
Lab File: VN076580.D
Acq: 08 Feb 2023 15:22

Tgt Ion: 117 Resp: 910434
Ion Ratio Lower Upper
117 100
82 54.5 44.2 66.4
119 31.2 25.1 37.7





#71

Bromoform

Concen: 0.398 ug/l

RT: 12.845 min Scan# 1

Delta R.T. 0.263 min

Lab File: VN076580.D

Acq: 08 Feb 2023 15:22

Instrument :

MSVOA_N

ClientSampleId :

TCLP-8

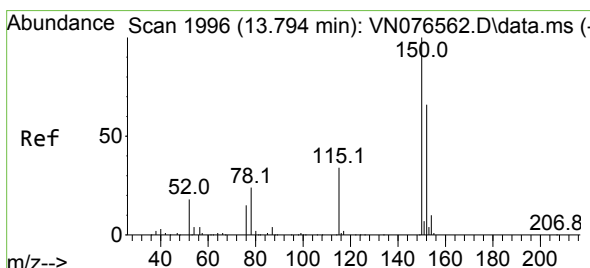
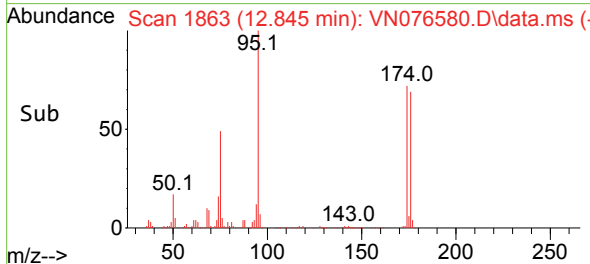
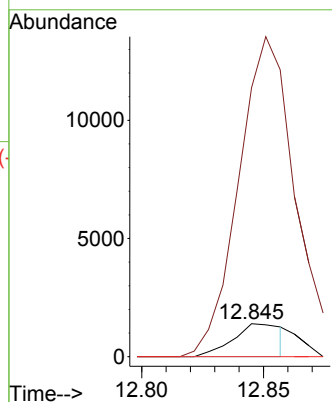
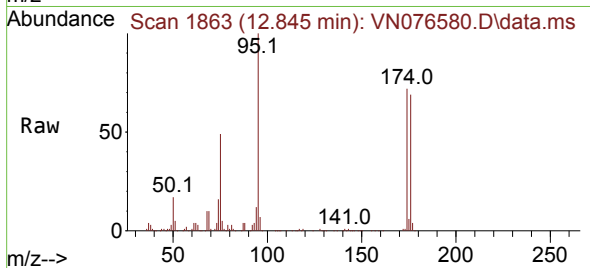
Tgt Ion:173 Resp: 1936

Ion Ratio Lower Upper

173 100

175 884.2 24.8 74.3#

254 0.0 0.1 0.1#



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.798 min Scan# 2025

Delta R.T. 0.004 min

Lab File: VN076580.D

Acq: 08 Feb 2023 15:22

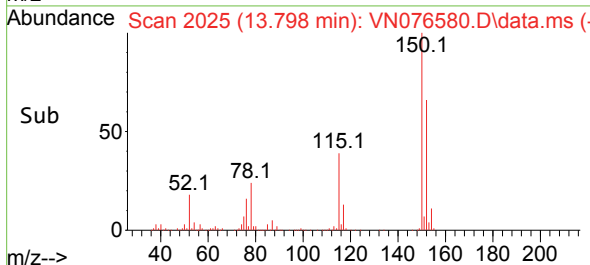
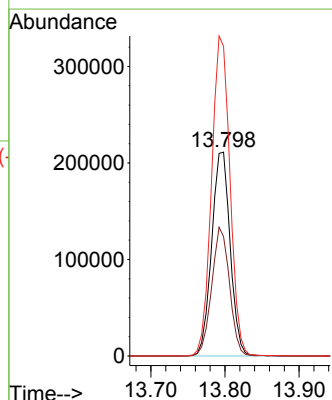
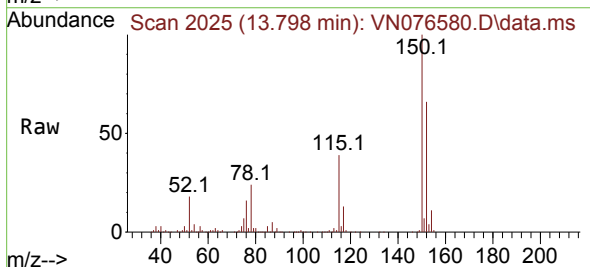
Tgt Ion:152 Resp: 365816

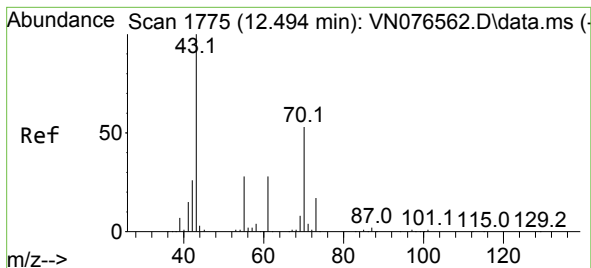
Ion Ratio Lower Upper

152 100

115 60.9 30.8 92.3

150 156.2 0.0 348.8





#74

N-amy1 acetate

Concen: 0.352 ug/l

RT: 12.492 min Scan# 1775

Delta R.T. -0.002 min

Lab File: VN076580.D

Acq: 08 Feb 2023 15:22

Instrument :

MSVOA_N

ClientSampleId :

TCLP-8

Tgt Ion: 43 Resp: 2942

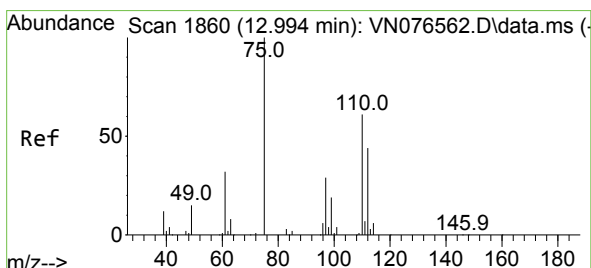
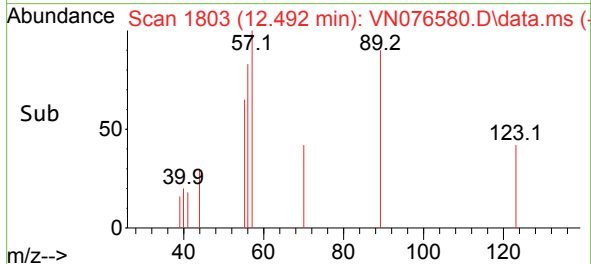
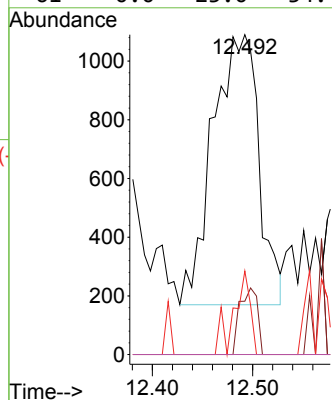
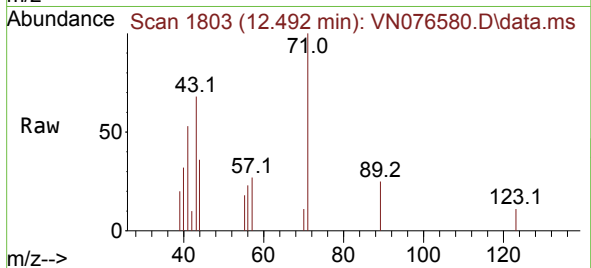
Ion Ratio Lower Upper

43 100

70 9.4 43.1 64.7#

55 11.2 22.4 33.6#

61 0.0 23.0 34.4#



#76

1,2,3-Trichloropropane

Concen: 28.702 ug/l

RT: 12.851 min Scan# 1864

Delta R.T. -0.143 min

Lab File: VN076580.D

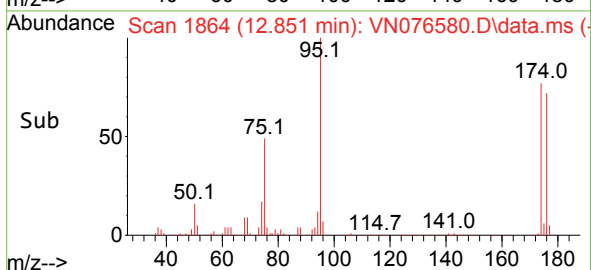
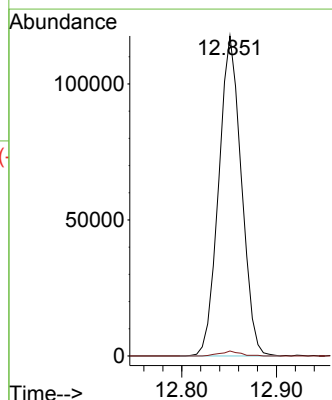
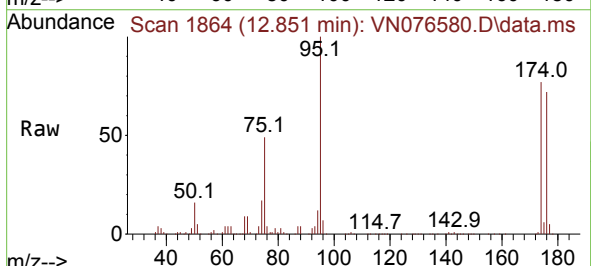
Acq: 08 Feb 2023 15:22

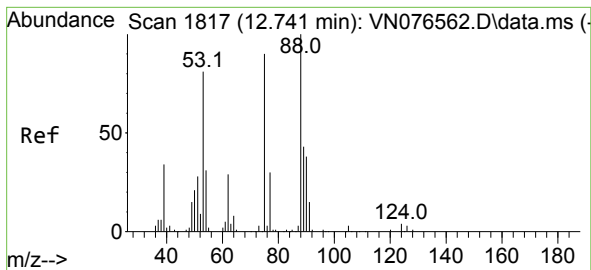
Tgt Ion: 75 Resp: 195899

Ion Ratio Lower Upper

75 100

77 1.4 87.5 262.5#

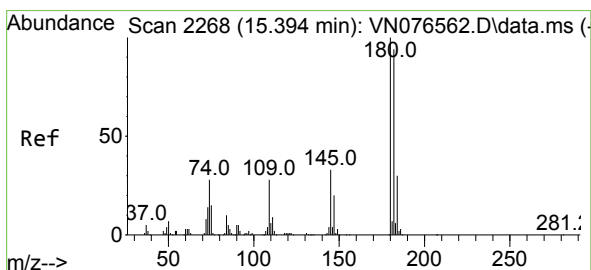
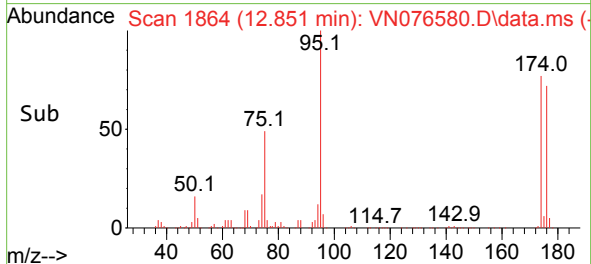
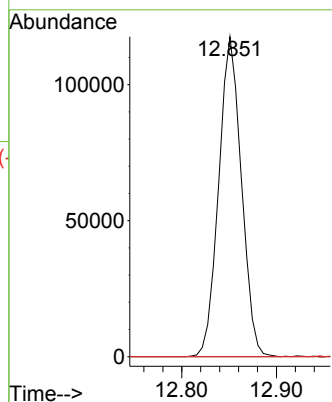
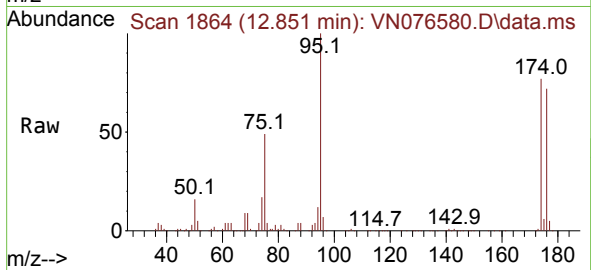




#81
trans-1,4-Dichloro-2-butene
Concen: 88.134 ug/l
RT: 12.851 min Scan# 1864
Delta R.T. 0.110 min
Lab File: VN076580.D
Acq: 08 Feb 2023 15:22

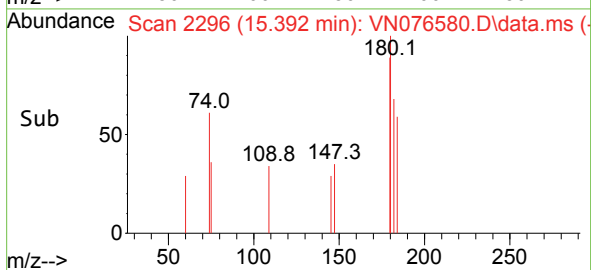
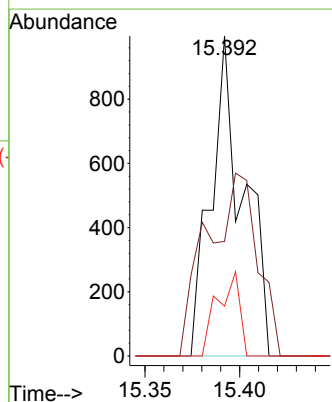
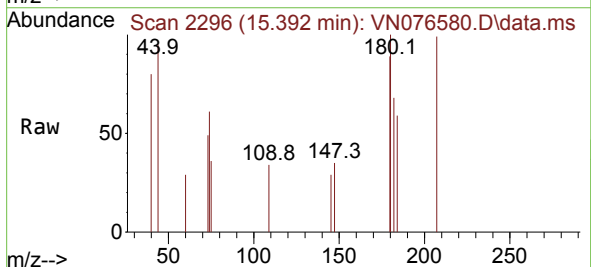
Instrument :
MSVOA_N
ClientSampleId :
TCLP-8

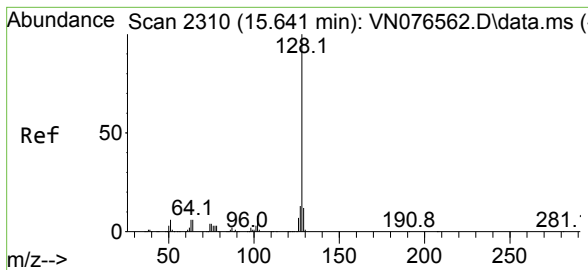
Tgt Ion: 75 Resp: 195899
Ion Ratio Lower Upper
75 100
53 0.0 77.1 115.7#
89 0.0 41.5 62.3#



#93
1,2,4-Trichlorobenzene
Concen: 0.205 ug/l
RT: 15.392 min Scan# 2296
Delta R.T. -0.002 min
Lab File: VN076580.D
Acq: 08 Feb 2023 15:22

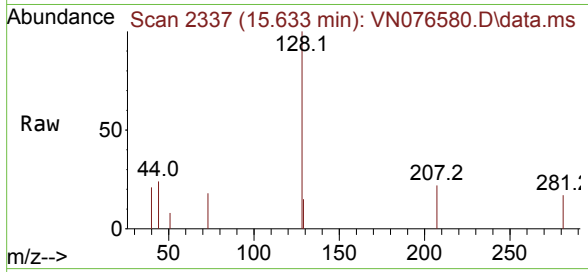
Tgt Ion:180 Resp: 1186
Ion Ratio Lower Upper
180 100
182 88.8 47.4 142.2
145 18.0 16.3 48.8





#95
Naphthalene
Concen: 0.276 ug/l
RT: 15.633 min Scan# 21
Delta R.T. -0.008 min
Lab File: VN076580.D
Acq: 08 Feb 2023 15:22

Instrument :
MSVOA_N
ClientSampleId :
TCLP-8



Tgt Ion:	128	Resp:	4650
Ion	Ratio	Lower	Upper
128	100		
127	7.9	10.2	15.2#
129	11.1	8.6	13.0

