

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX012323\
 Data File : VX033854.D
 Acq On : 23 Jan 2023 17:06
 Operator : JC/MD
 Sample : 01251-04
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 TCLP-1

Quant Time: Jan 24 00:44:30 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X011123W.M
 Quant Title : SW846 8260
 QLast Update : Wed Jan 11 14:48:42 2023
 Response via : Initial Calibration

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

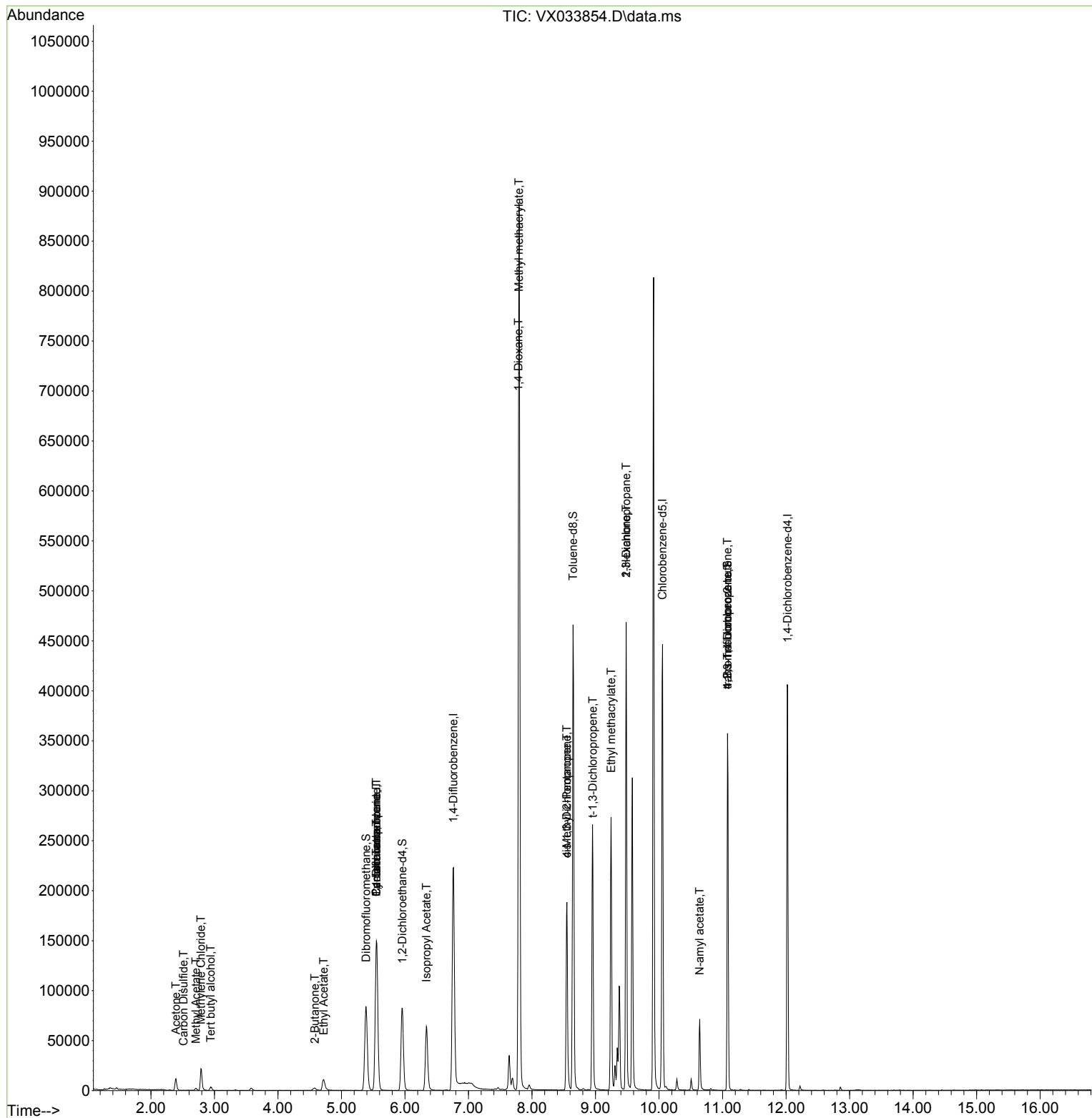
Internal Standards						
1) Pentafluorobenzene	5.550	168	165046	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.763	114	242450	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	212330	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	96104	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.958	65	79700	45.863	ug/l	0.00
Spiked Amount	50.000	Range	78 - 117	Recovery	=	91.720%
35) Dibromofluoromethane	5.385	113	74595	49.549	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	99.100%
50) Toluene-d8	8.647	98	276130	50.340	ug/l	0.00
Spiked Amount	50.000	Range	92 - 112	Recovery	=	100.680%
62) 4-Bromofluorobenzene	11.079	95	91624	44.989	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	=	89.980%
Target Compounds						
					Qvalue	
11) Tert butyl alcohol	2.941	59	1884	6.241	ug/l #	86
16) Acetone	2.392	43	15235	12.347	ug/l	94
17) Carbon Disulfide	2.514	76	118	1.856	ug/l #	76
18) Methyl Acetate	2.709	43	2851	1.176	ug/l	99
20) Methylene Chloride	2.788	84	11048	5.060	ug/l	94
25) 2-Butanone	4.580	43	1764	1.554	ug/l	94
31) Cyclohexane	5.550	56	2422	0.947	ug/l #	1
36) 1,1-Dichloropropene	5.550	75	9941	4.524	ug/l #	47
37) Ethyl Acetate	4.721	43	20158	7.167	ug/l	99
38) Carbon Tetrachloride	5.550	117	13910	6.113	ug/l #	16
43) Isopropyl Acetate	6.336	43	88610	25.546	ug/l	99
48) Methyl methacrylate	7.793	41	74667	42.733	ug/l #	44
49) 1,4-Dioxane	7.787	88	86	2.225	ug/l #	1
51) 4-Methyl-2-Pentanone	8.549	43	65565	30.778	ug/l #	51
53) t-1,3-Dichloropropene	8.958	75	582	0.269	ug/l #	43
54) cis-1,3-Dichloropropene	8.549	75	31961	13.207	ug/l #	61
56) Ethyl methacrylate	9.244	69	513	0.223	ug/l #	1
57) 1,3-Dichloropropane	9.482	76	4149	1.563	ug/l #	43
59) 2-Hexanone	9.482	43	54749	36.925	ug/l #	51
73) Isopropylbenzene	11.079	105	61	Below Cal	#	48
74) N-amyl acetate	10.640	43	19154	7.590	ug/l #	51
76) 1,2,3-Trichloropropane	11.079	75	42545	24.094	ug/l #	34
81) trans-1,4-Dichloro-2-b...	11.079	75	42545	74.882	ug/l #	8

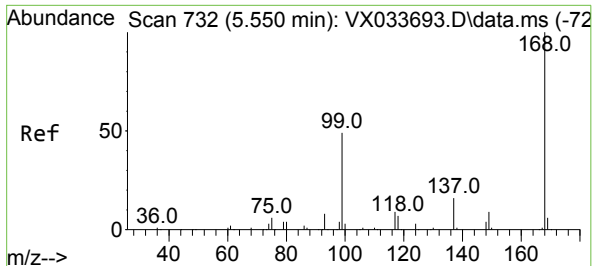
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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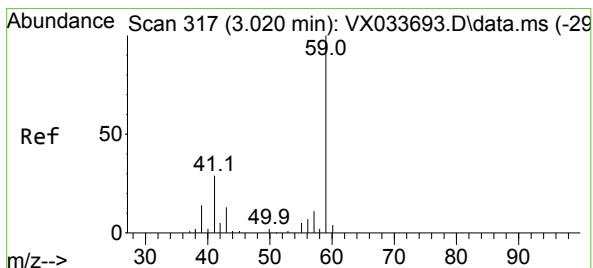
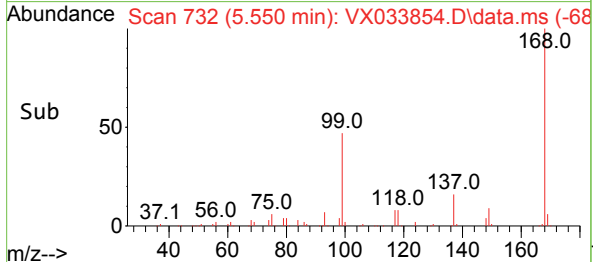
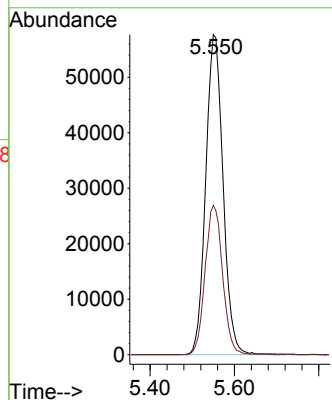
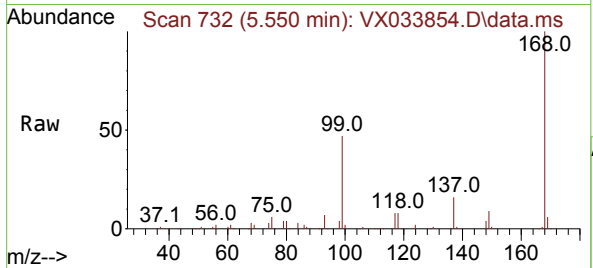




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.550 min Scan# 71
Delta R.T. -0.000 min
Lab File: VX033854.D
Acq: 23 Jan 2023 17:06

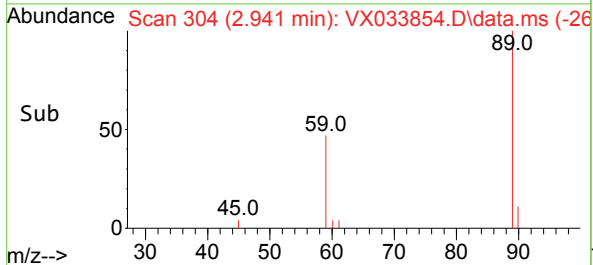
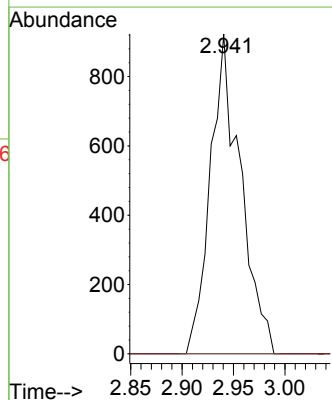
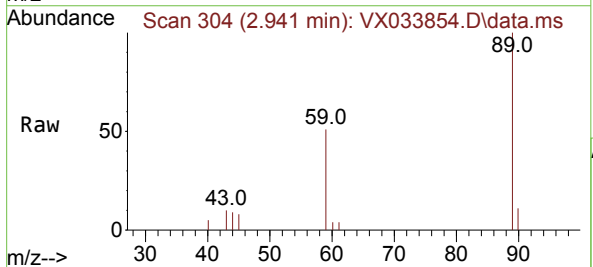
Instrument :
MSVOA_X
ClientSampleId :
TCLP-1

Tgt Ion:168 Resp: 165046
Ion Ratio Lower Upper
168 100
99 46.6 39.6 59.4



#11
Tert butyl alcohol
Concen: 6.241 ug/l
RT: 2.941 min Scan# 304
Delta R.T. -0.079 min
Lab File: VX033854.D
Acq: 23 Jan 2023 17:06

Tgt Ion: 59 Resp: 1884
Ion Ratio Lower Upper
59 100
57 0.0 3.7 5.5#

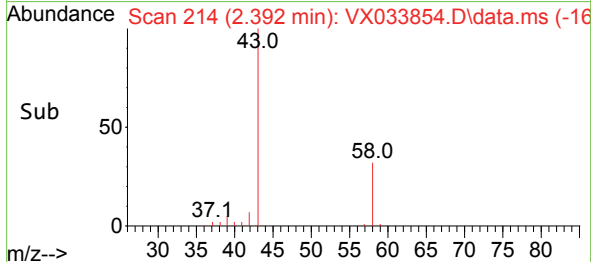
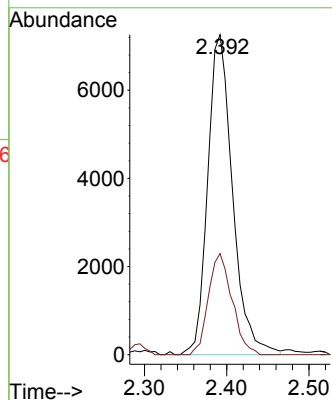
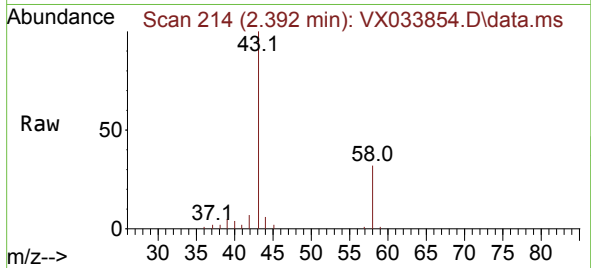




#16
Acetone
Concen: 12.347 ug/l
RT: 2.392 min Scan# 215
Delta R.T. -0.006 min
Lab File: VX033854.D
Acq: 23 Jan 2023 17:06

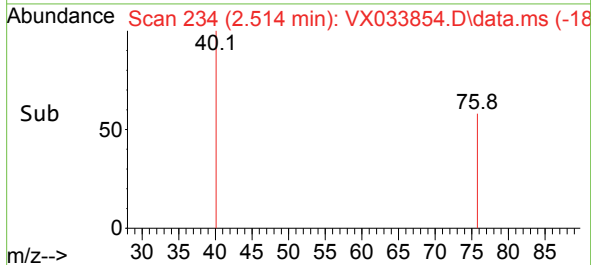
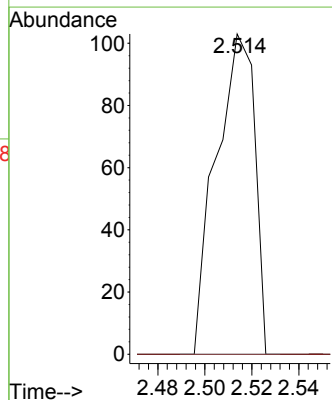
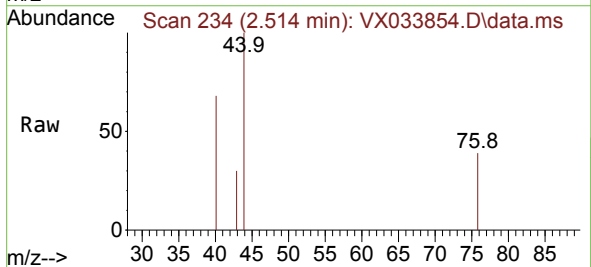
Instrument :
MSVOA_X
ClientSampleId :
TCLP-1

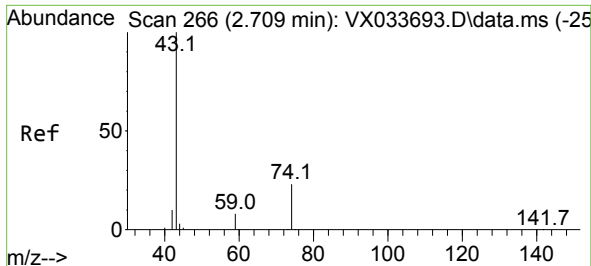
Tgt Ion: 43 Resp: 15235
Ion Ratio Lower Upper
43 100
58 31.6 22.6 33.8



#17
Carbon Disulfide
Concen: 1.856 ug/l
RT: 2.514 min Scan# 234
Delta R.T. -0.000 min
Lab File: VX033854.D
Acq: 23 Jan 2023 17:06

Tgt Ion: 76 Resp: 118
Ion Ratio Lower Upper
76 100
78 0.0 7.0 10.6#

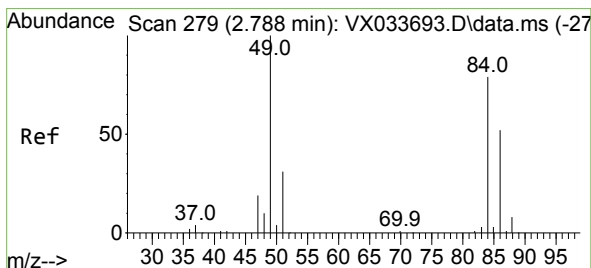
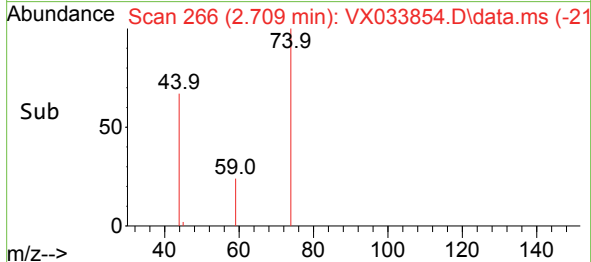
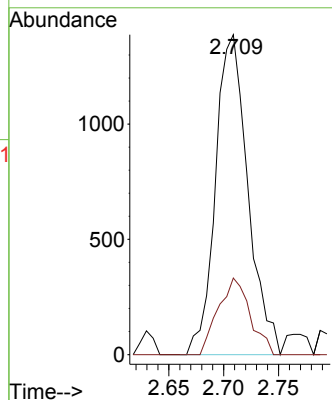
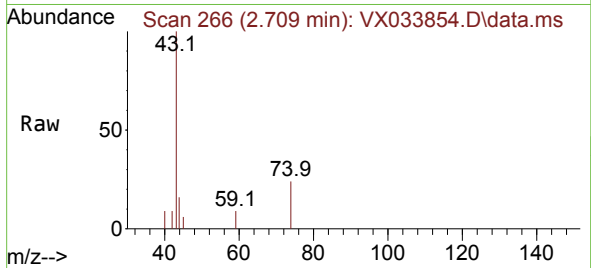




#18
Methyl Acetate
Concen: 1.176 ug/l
RT: 2.709 min Scan# 266
Delta R.T. -0.000 min
Lab File: VX033854.D
Acq: 23 Jan 2023 17:06

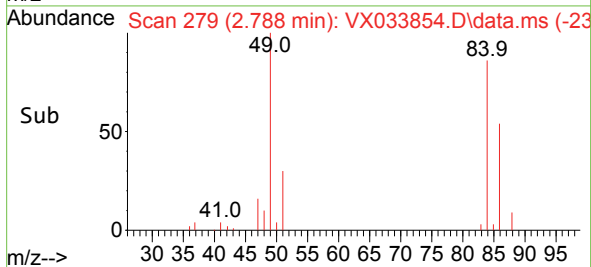
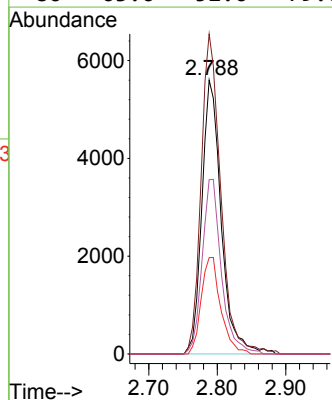
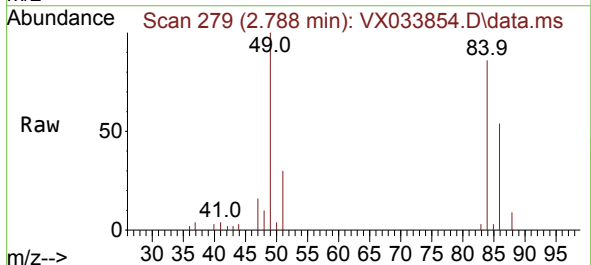
Instrument :
MSVOA_X
ClientSampleId :
TCLP-1

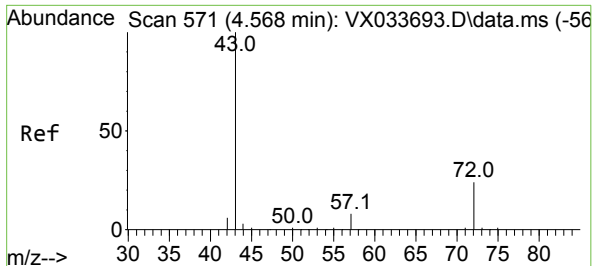
Tgt Ion: 43 Resp: 2851
Ion Ratio Lower Upper
43 100
74 23.5 18.2 27.4



#20
Methylene Chloride
Concen: 5.060 ug/l
RT: 2.788 min Scan# 279
Delta R.T. 0.000 min
Lab File: VX033854.D
Acq: 23 Jan 2023 17:06

Tgt Ion: 84 Resp: 11048
Ion Ratio Lower Upper
84 100
49 116.8 101.1 151.7
51 35.2 31.0 46.6
86 63.6 52.6 79.0

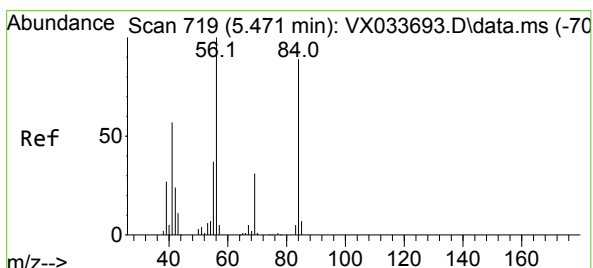
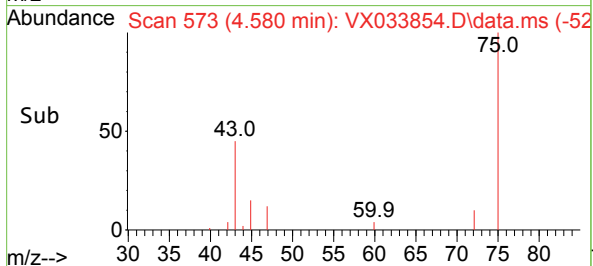
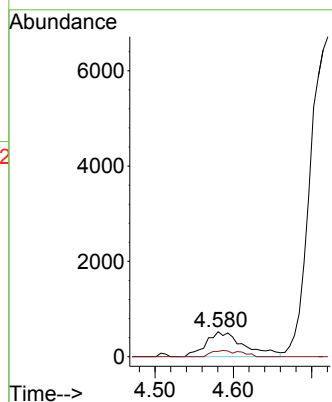
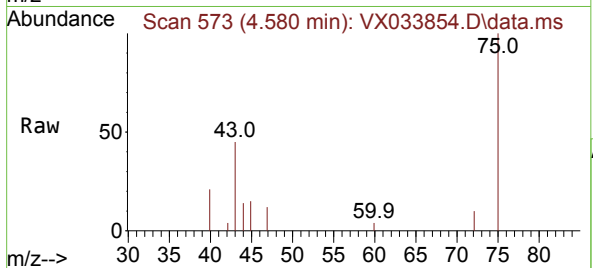




#25
2-Butanone
Concen: 1.554 ug/l
RT: 4.580 min Scan# 51
Delta R.T. 0.012 min
Lab File: VX033854.D
Acq: 23 Jan 2023 17:06

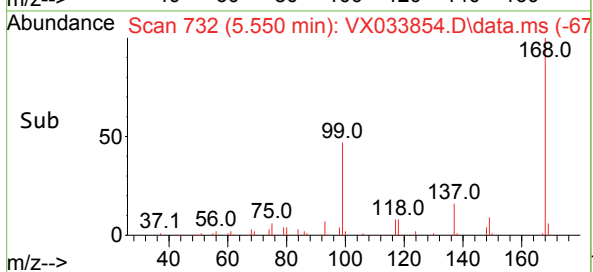
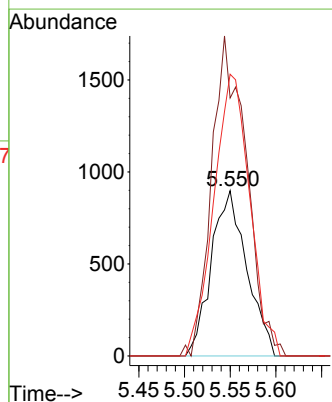
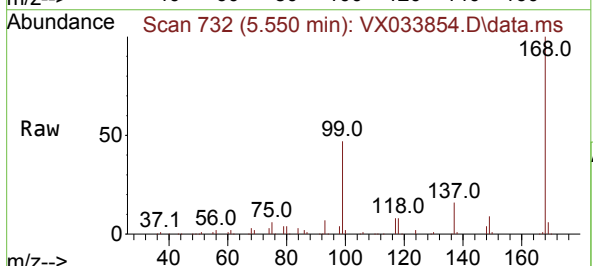
Instrument :
MSVOA_X
ClientSampleId :
TCLP-1

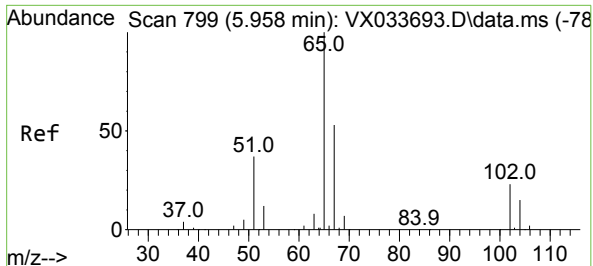
Tgt Ion: 43 Resp: 1764
Ion Ratio Lower Upper
43 100
72 21.4 19.4 29.2



#31
Cyclohexane
Concen: 0.947 ug/l
RT: 5.550 min Scan# 732
Delta R.T. 0.079 min
Lab File: VX033854.D
Acq: 23 Jan 2023 17:06

Tgt Ion: 56 Resp: 2422
Ion Ratio Lower Upper
56 100
69 156.1 24.6 37.0#
84 170.5 71.0 106.6#





#33

1,2-Dichloroethane-d4

Concen: 45.863 ug/l

RT: 5.958 min Scan# 799

Delta R.T. -0.000 min

Lab File: VX033854.D

Acq: 23 Jan 2023 17:06

Instrument :

MSVOA_X

ClientSampleId :

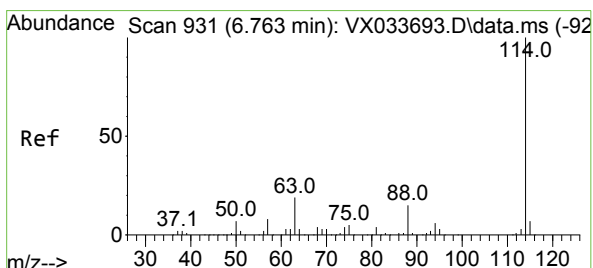
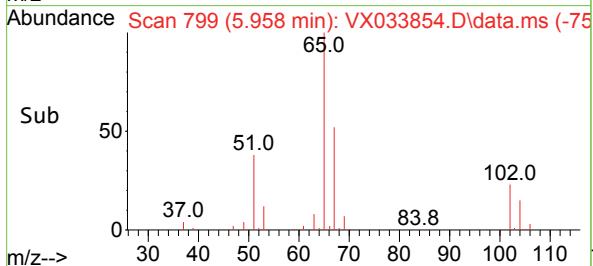
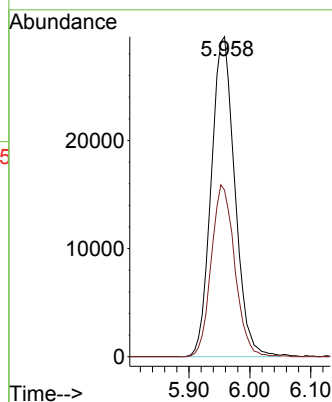
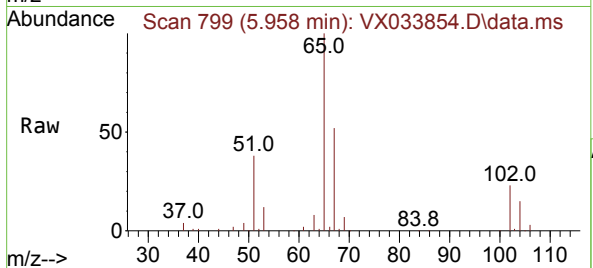
TCLP-1

Tgt Ion: 65 Resp: 79700

Ion Ratio Lower Upper

65 100

67 53.5 0.0 104.8



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.763 min Scan# 931

Delta R.T. -0.000 min

Lab File: VX033854.D

Acq: 23 Jan 2023 17:06

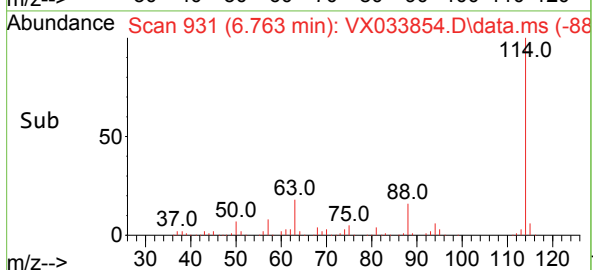
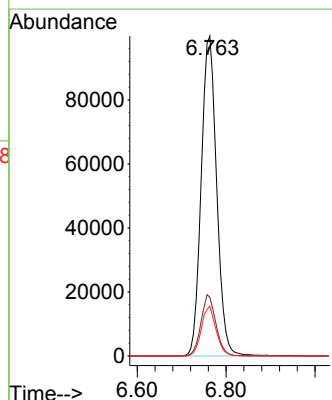
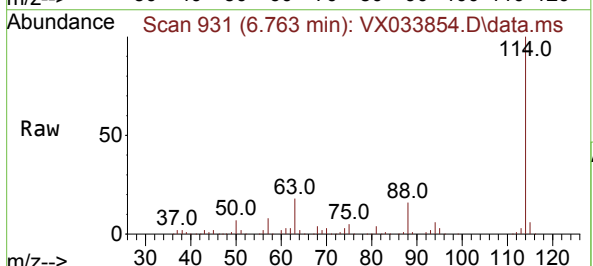
Tgt Ion: 114 Resp: 242450

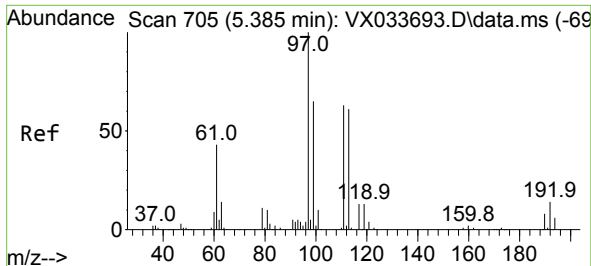
Ion Ratio Lower Upper

114 100

63 18.4 0.0 37.4

88 15.5 0.0 30.6





#35

Dibromofluoromethane

Concen: 49.549 ug/l

RT: 5.385 min Scan# 705

Delta R.T. -0.000 min

Lab File: VX033854.D

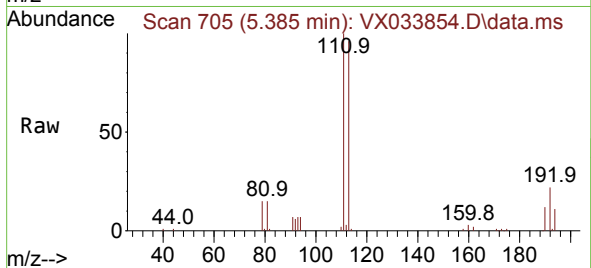
Acq: 23 Jan 2023 17:06

Instrument :

MSVOA_X

ClientSampleId :

TCLP-1



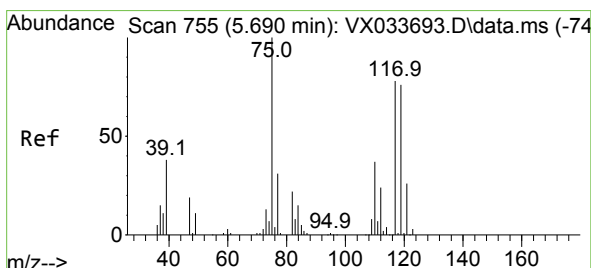
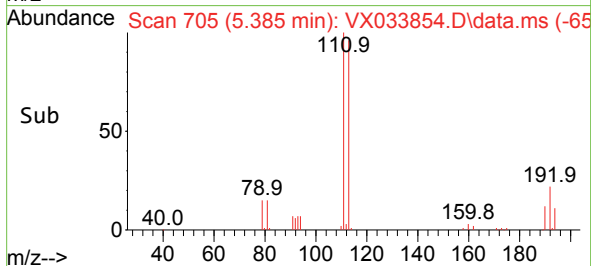
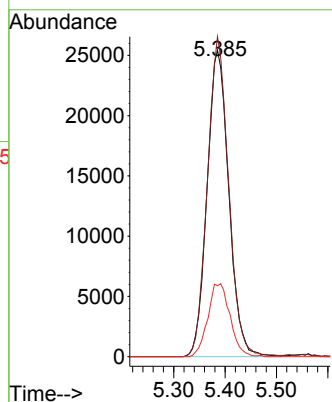
Tgt Ion:113 Resp: 74595

Ion Ratio Lower Upper

113 100

111 102.3 83.0 124.6

192 24.5 19.0 28.4



#36

1,1-Dichloropropene

Concen: 4.524 ug/l

RT: 5.550 min Scan# 732

Delta R.T. -0.140 min

Lab File: VX033854.D

Acq: 23 Jan 2023 17:06

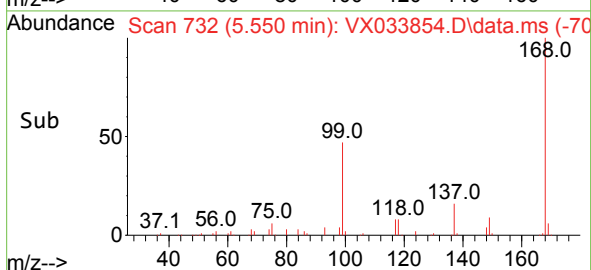
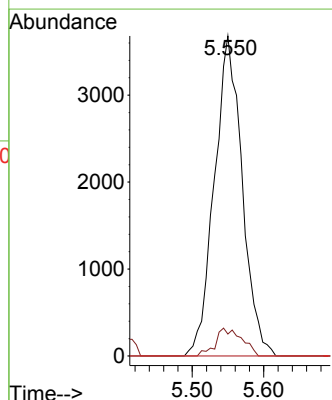
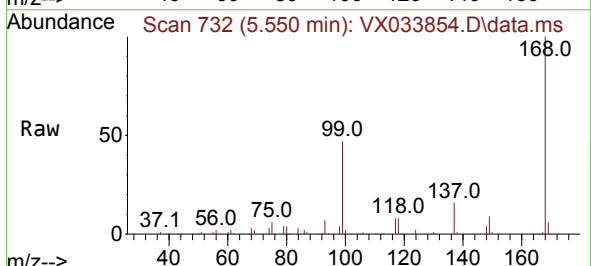
Tgt Ion: 75 Resp: 9941

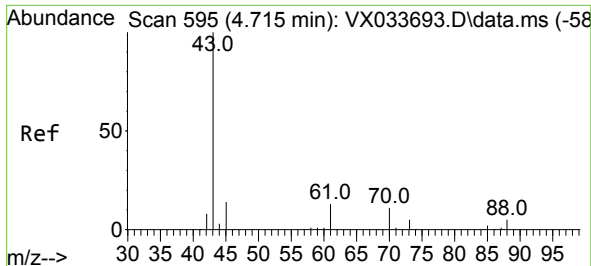
Ion Ratio Lower Upper

75 100

110 8.2 18.8 56.4#

77 0.0 25.1 37.7#

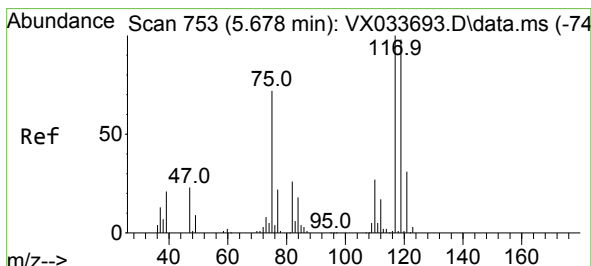
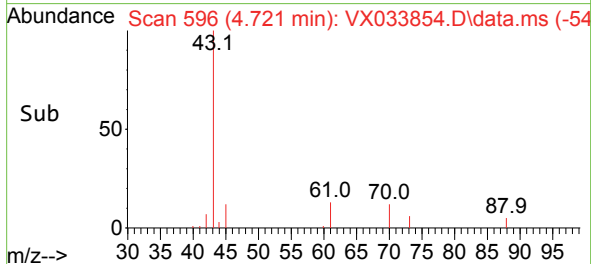
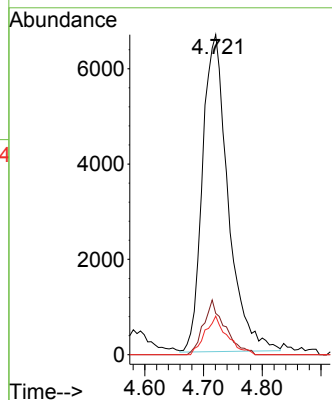
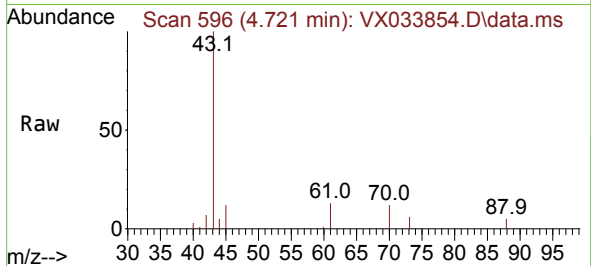




#37
Ethyl Acetate
Concen: 7.167 ug/l
RT: 4.721 min Scan# 595
Delta R.T. 0.006 min
Lab File: VX033854.D
Acq: 23 Jan 2023 17:06

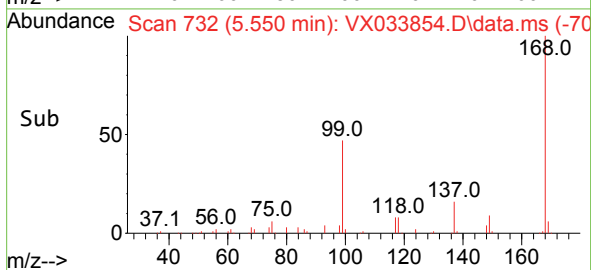
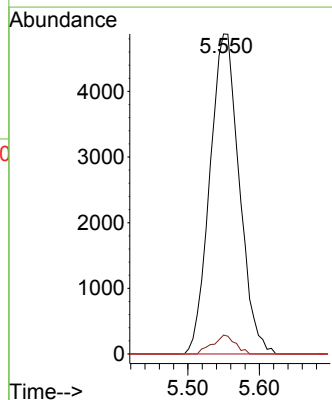
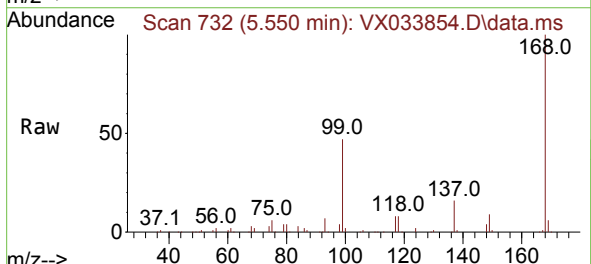
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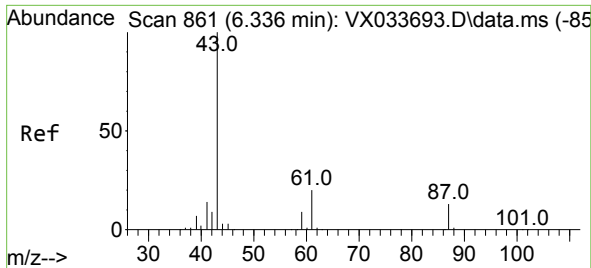
Tgt Ion: 43	Resp: 20158
Ion Ratio	Lower Upper
43 100	
61 14.5	11.1 16.7
70 10.5	8.5 12.7



#38
Carbon Tetrachloride
Concen: 6.113 ug/l
RT: 5.550 min Scan# 732
Delta R.T. -0.128 min
Lab File: VX033854.D
Acq: 23 Jan 2023 17:06

Tgt Ion: 117	Resp: 13910
Ion Ratio	Lower Upper
117 100	
119 5.9	78.0 117.0#
121 0.0	24.4 36.6#

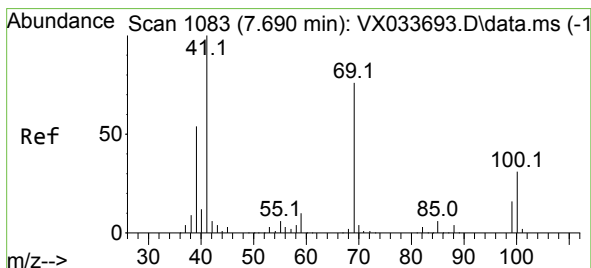
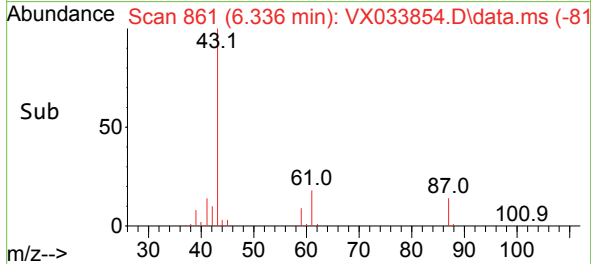
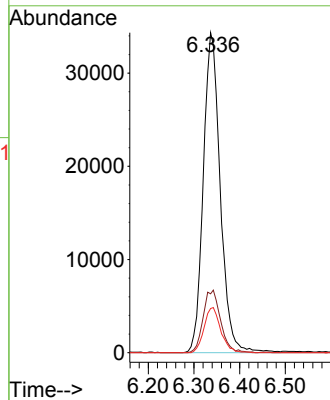
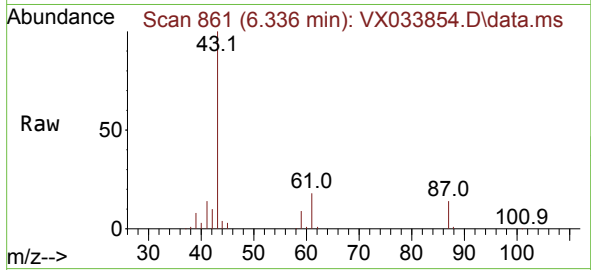




#43
Isopropyl Acetate
Concen: 25.546 ug/l
RT: 6.336 min Scan# 861
Delta R.T. -0.000 min
Lab File: VX033854.D
Acq: 23 Jan 2023 17:06

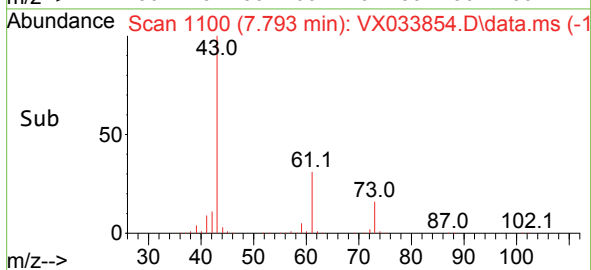
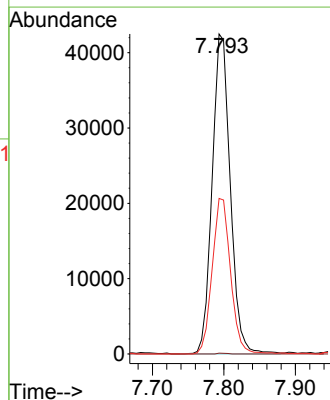
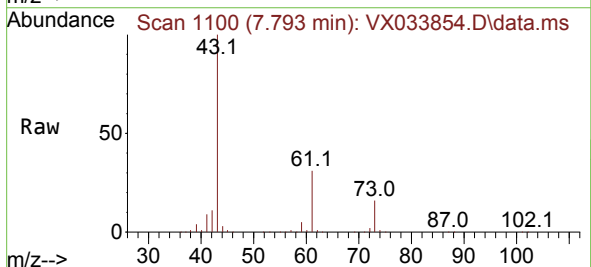
Instrument :
MSVOA_X
ClientSampleId :
TCLP-1

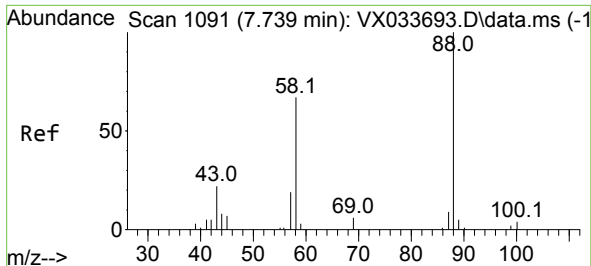
Tgt Ion: 43 Resp: 88610
Ion Ratio Lower Upper
43 100
61 20.1 15.7 23.5
87 13.8 10.6 15.8



#48
Methyl methacrylate
Concen: 42.733 ug/l
RT: 7.793 min Scan# 1100
Delta R.T. 0.104 min
Lab File: VX033854.D
Acq: 23 Jan 2023 17:06

Tgt Ion: 41 Resp: 74667
Ion Ratio Lower Upper
41 100
69 0.1 63.1 94.7#
39 49.6 43.2 64.8

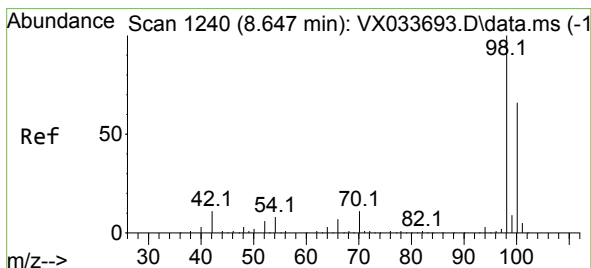
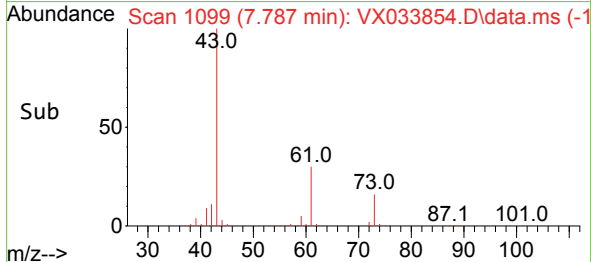
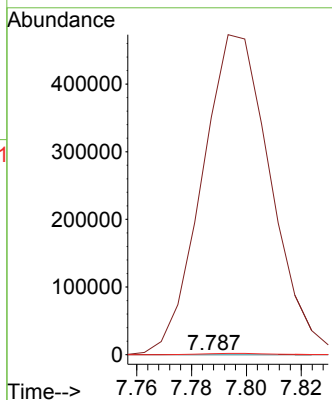
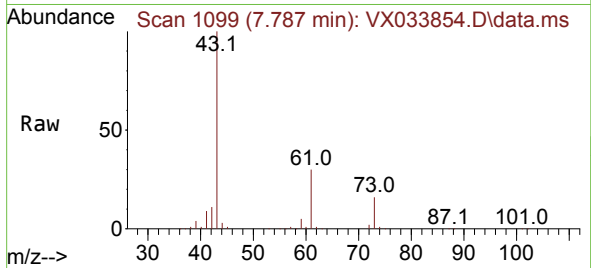




#49
1,4-Dioxane
Concen: 2.225 ug/l
RT: 7.787 min Scan# 1099
Delta R.T. 0.049 min
Lab File: VX033854.D
Acq: 23 Jan 2023 17:06

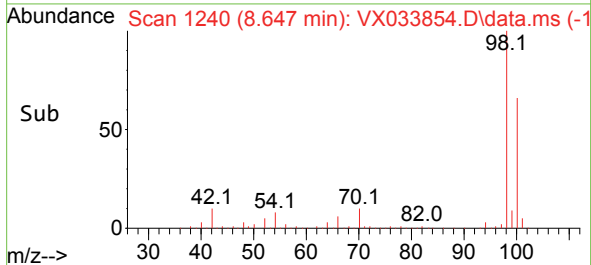
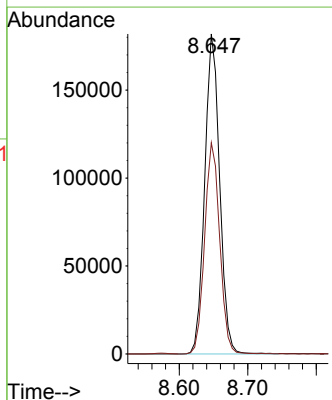
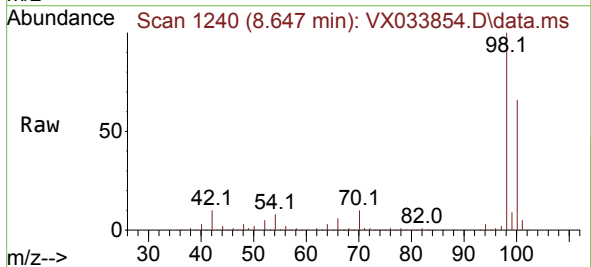
Instrument :
MSVOA_X
ClientSampleId :
TCLP-1

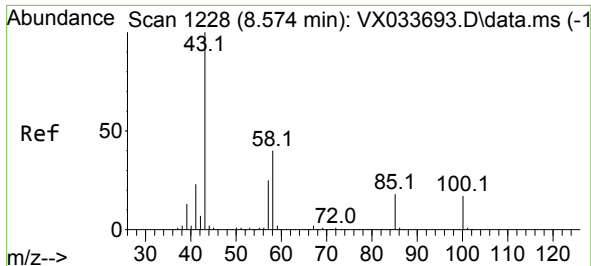
Tgt Ion: 88 Resp: 86
Ion Ratio Lower Upper
88 100
43 970502.3 0.0 0.0#
58 3784.9 56.5 84.7#



#50
Toluene-d8
Concen: 50.340 ug/l
RT: 8.647 min Scan# 1240
Delta R.T. -0.000 min
Lab File: VX033854.D
Acq: 23 Jan 2023 17:06

Tgt Ion: 98 Resp: 276130
Ion Ratio Lower Upper
98 100
100 66.7 53.6 80.4

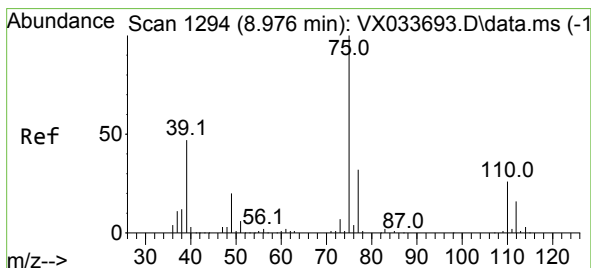
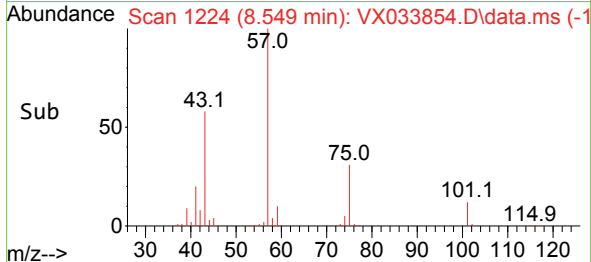
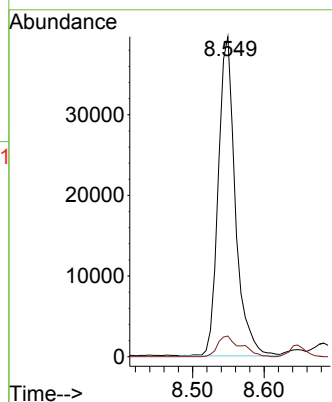
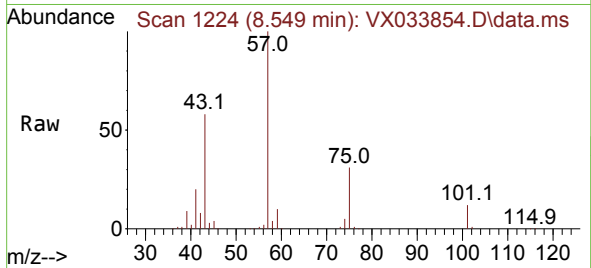




#51
4-Methyl-2-Pentanone
Concen: 30.778 ug/l
RT: 8.549 min Scan# 11
Delta R.T. -0.024 min
Lab File: VX033854.D
Acq: 23 Jan 2023 17:06

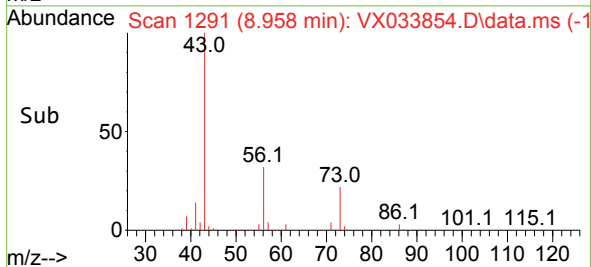
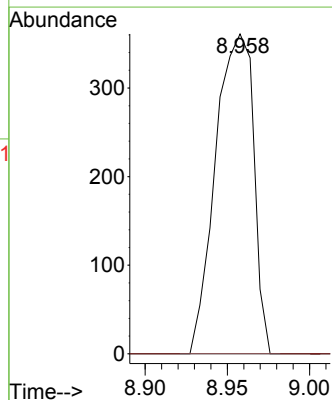
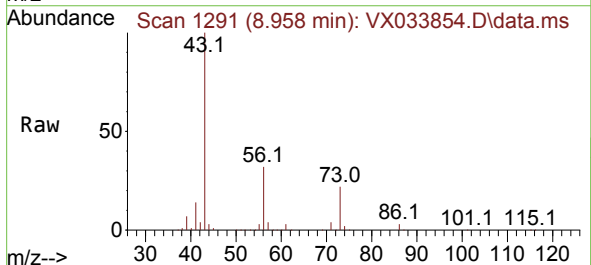
Instrument :
MSVOA_X
ClientSampleId :
TCLP-1

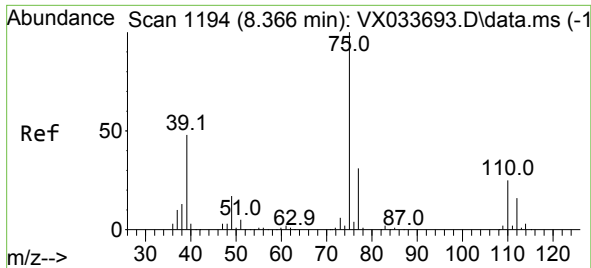
Tgt Ion: 43 Resp: 65565
Ion Ratio Lower Upper
43 100
58 8.9 31.2 46.8#



#53
t-1,3-Dichloropropene
Concen: 0.269 ug/l
RT: 8.958 min Scan# 1291
Delta R.T. -0.018 min
Lab File: VX033854.D
Acq: 23 Jan 2023 17:06

Tgt Ion: 75 Resp: 582
Ion Ratio Lower Upper
75 100
77 0.0 25.5 38.3#

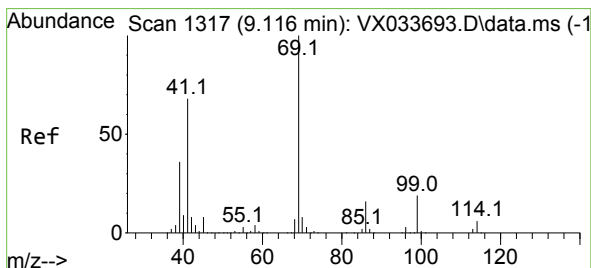
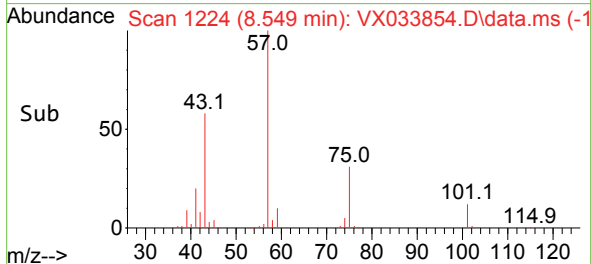
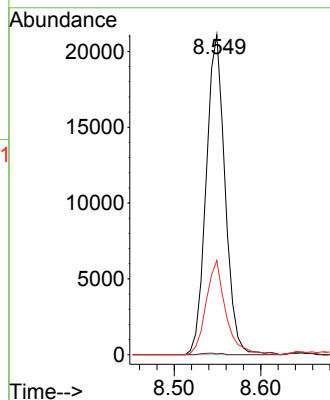
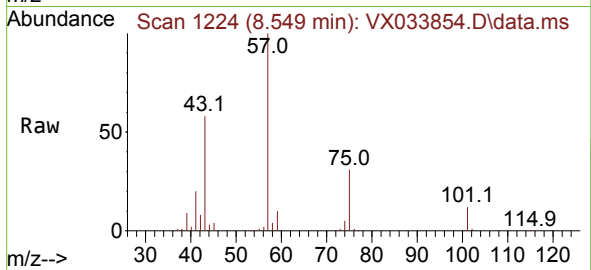




#54
 cis-1,3-Dichloropropene
 Concen: 13.207 ug/l
 RT: 8.549 min Scan# 1194
 Delta R.T. 0.183 min
 Lab File: VX033854.D
 Acq: 23 Jan 2023 17:06

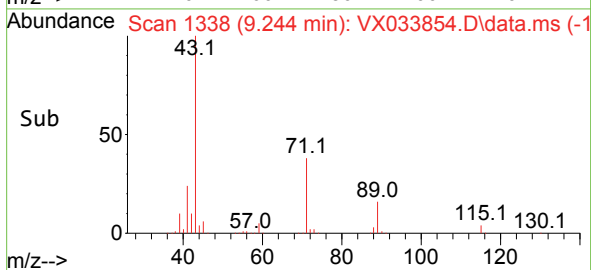
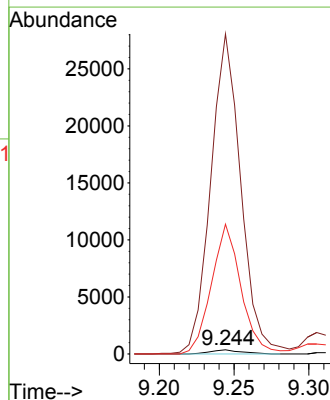
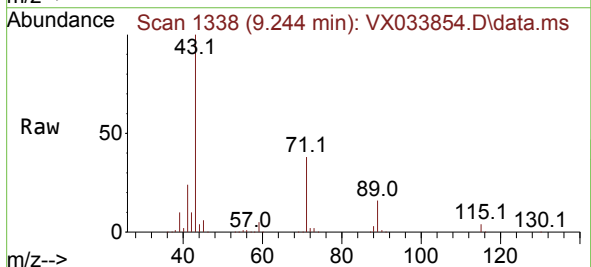
Instrument :
 MSVOA_X
 ClientSampleId :
 TCLP-1

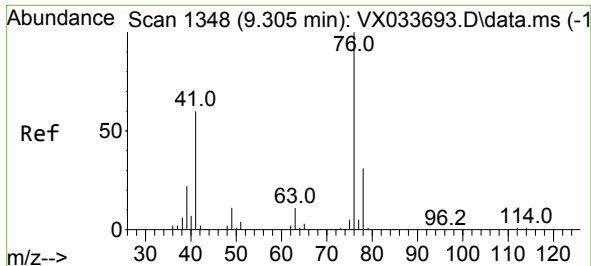
Tgt Ion: 75 Resp: 31961
 Ion Ratio Lower Upper
 75 100
 77 0.3 25.0 37.6#
 39 29.4 38.6 58.0#



#56
 Ethyl methacrylate
 Concen: 0.223 ug/l
 RT: 9.244 min Scan# 1338
 Delta R.T. 0.128 min
 Lab File: VX033854.D
 Acq: 23 Jan 2023 17:06

Tgt Ion: 69 Resp: 513
 Ion Ratio Lower Upper
 69 100
 41 7676.0 55.1 82.7#
 39 3046.4 28.5 42.7#





#57

1,3-Dichloropropane

Concen: 1.563 ug/l

RT: 9.482 min Scan# 1377

Delta R.T. 0.177 min

Lab File: VX033854.D

Acq: 23 Jan 2023 17:06

Instrument :

MSVOA_X

ClientSampleId :

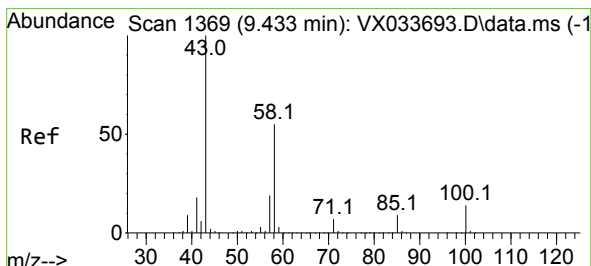
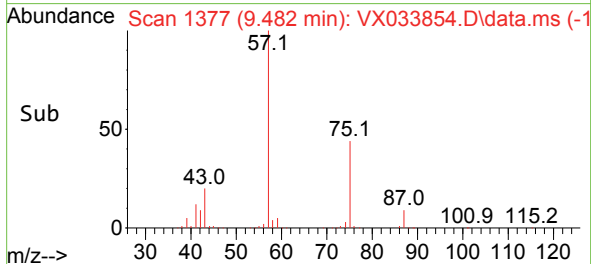
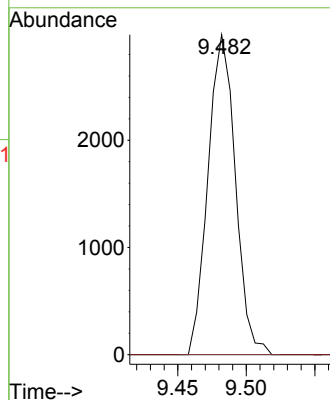
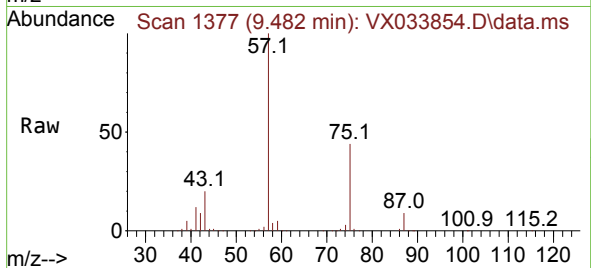
TCLP-1

Tgt Ion: 76 Resp: 4149

Ion Ratio Lower Upper

76 100

78 0.0 25.6 38.4#



#59

2-Hexanone

Concen: 36.925 ug/l

RT: 9.482 min Scan# 1377

Delta R.T. 0.049 min

Lab File: VX033854.D

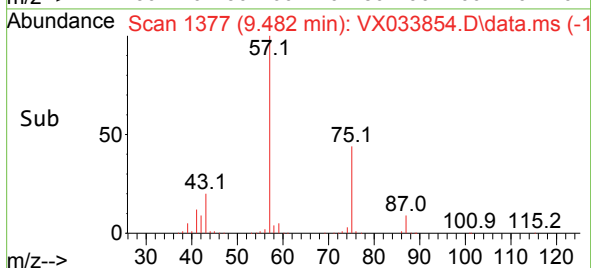
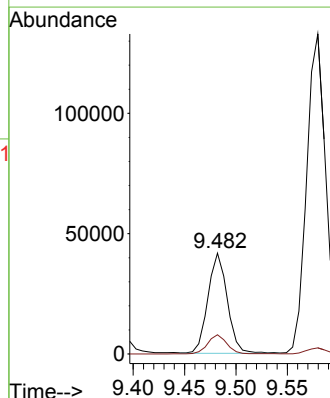
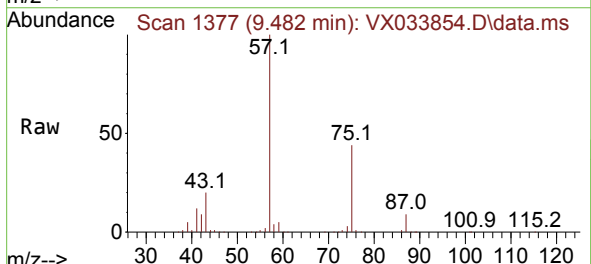
Acq: 23 Jan 2023 17:06

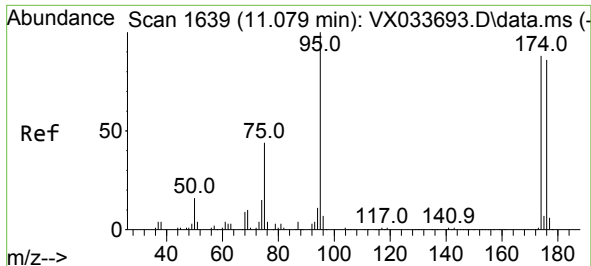
Tgt Ion: 43 Resp: 54749

Ion Ratio Lower Upper

43 100

58 19.4 27.4 82.0#

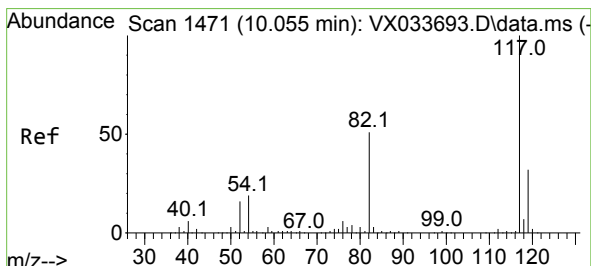
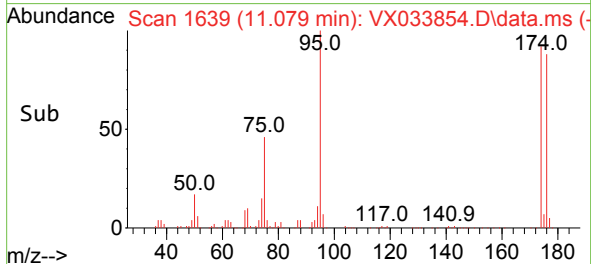
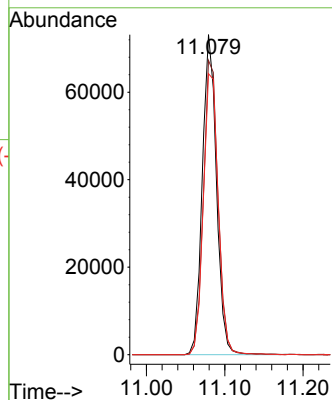
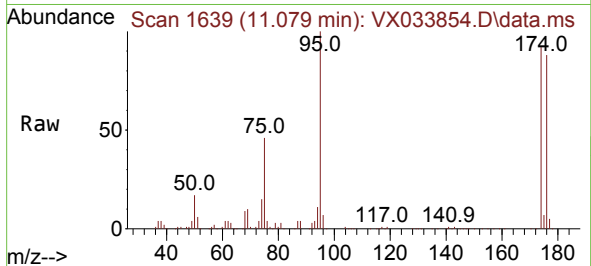




#62
4-Bromofluorobenzene
Concen: 44.989 ug/l
RT: 11.079 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX033854.D
Acq: 23 Jan 2023 17:06

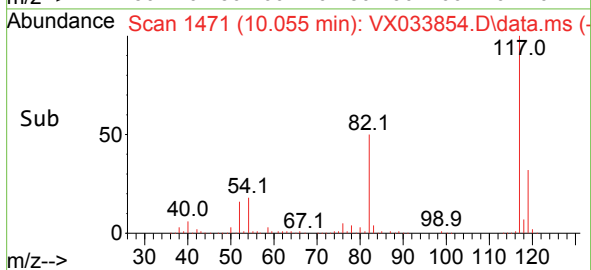
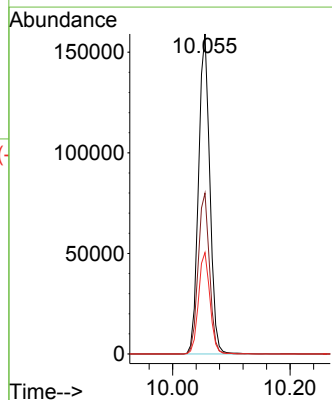
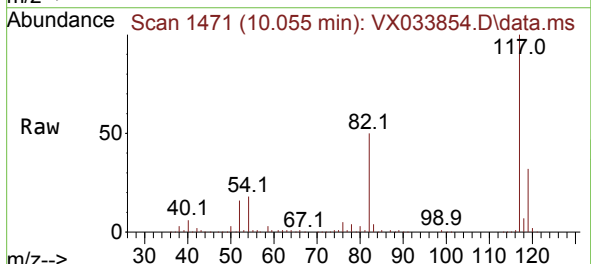
Instrument :
MSVOA_X
ClientSampleId :
TCLP-1

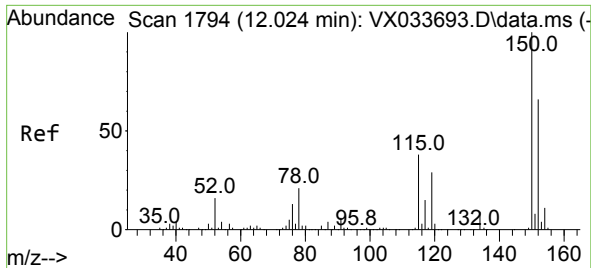
Tgt Ion: 95 Resp: 91624
Ion Ratio Lower Upper
95 100
174 95.3 0.0 184.4
176 92.9 0.0 178.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. 0.000 min
Lab File: VX033854.D
Acq: 23 Jan 2023 17:06

Tgt Ion: 117 Resp: 212330
Ion Ratio Lower Upper
117 100
82 50.3 40.6 60.8
119 31.7 25.6 38.4

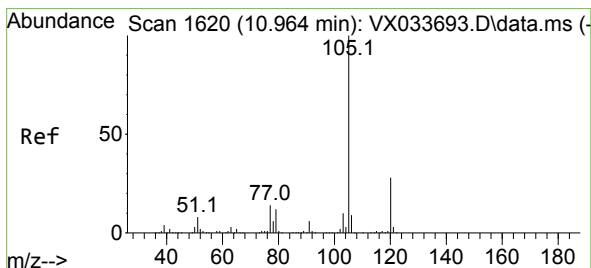
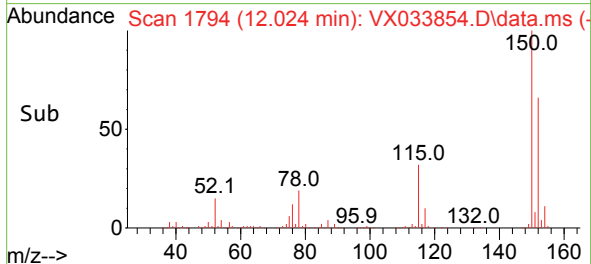
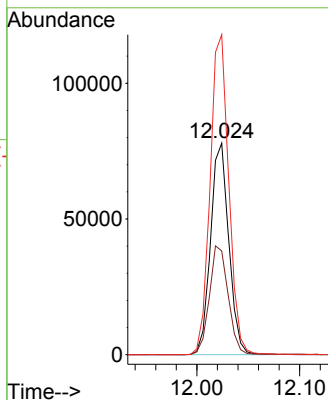
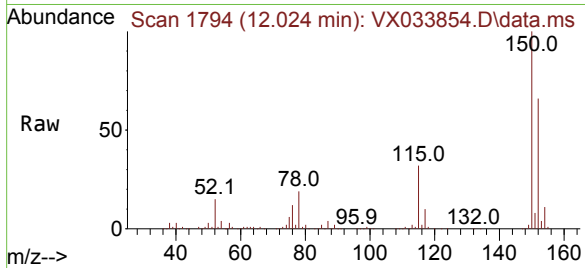




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.024 min Scan# 11
Delta R.T. -0.000 min
Lab File: VX033854.D
Acq: 23 Jan 2023 17:06

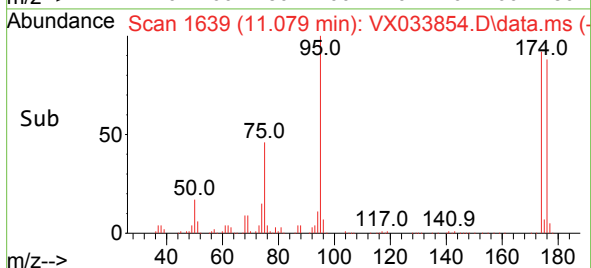
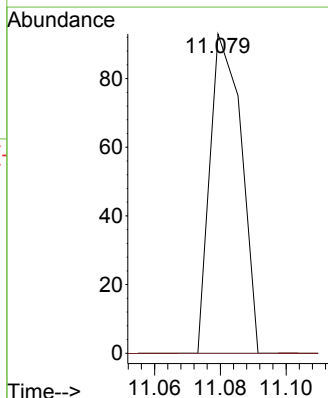
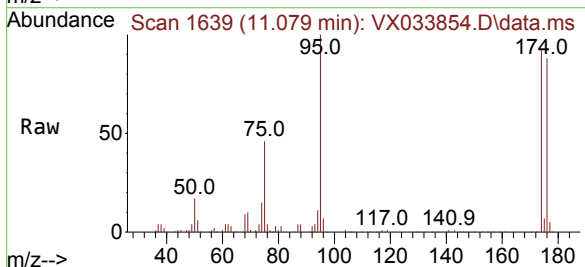
Instrument :
MSVOA_X
ClientSampleId :
TCLP-1

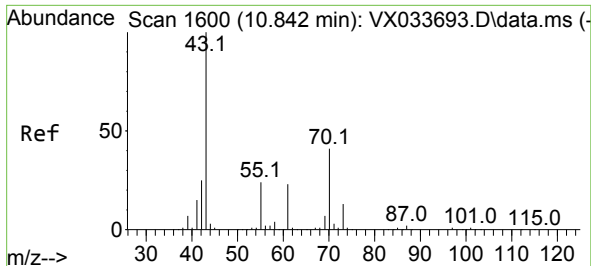
Tgt Ion:152 Resp: 96104
Ion Ratio Lower Upper
152 100
115 53.1 38.7 116.1
150 154.7 0.0 348.2



#73
Isopropylbenzene
Concen: Below Cal
RT: 11.079 min Scan# 1639
Delta R.T. 0.115 min
Lab File: VX033854.D
Acq: 23 Jan 2023 17:06

Tgt Ion:105 Resp: 61
Ion Ratio Lower Upper
105 100
120 0.0 13.6 40.8#

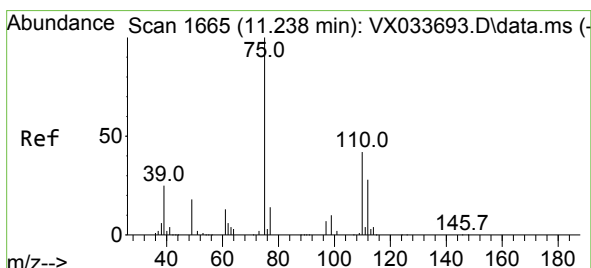
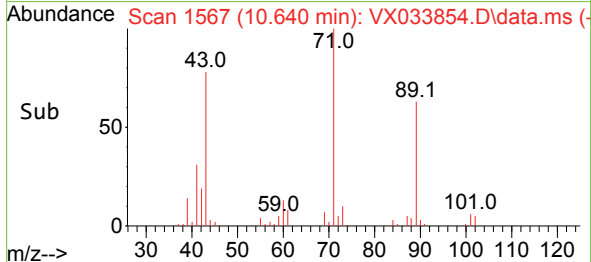
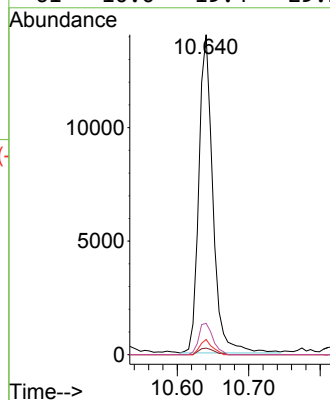
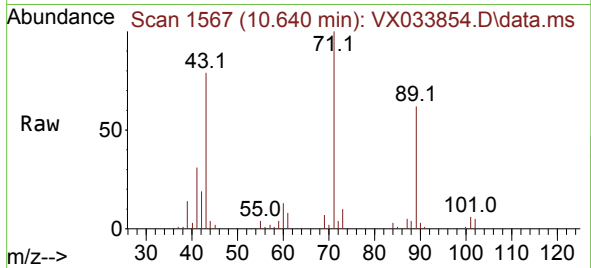




#74
N-amy1 acetate
Concen: 7.590 ug/l
RT: 10.640 min Scan# 1639
Delta R.T. -0.201 min
Lab File: VX033854.D
Acq: 23 Jan 2023 17:06

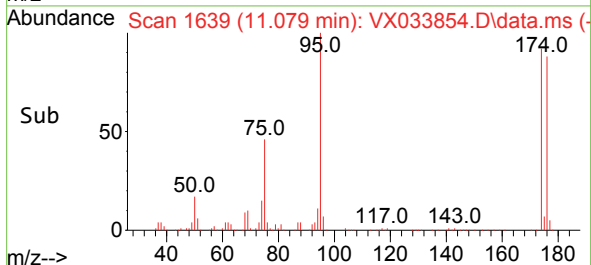
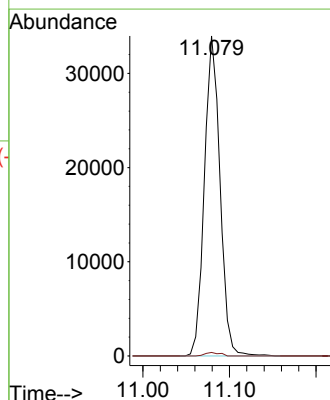
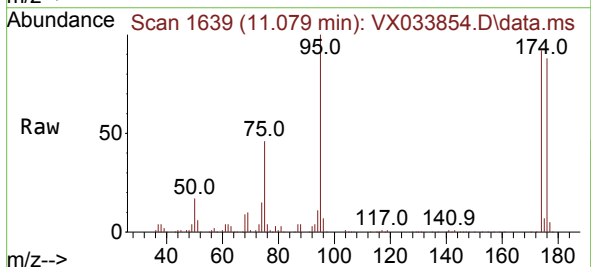
Instrument : MSVOA_X
ClientSampleId : TCLP-1

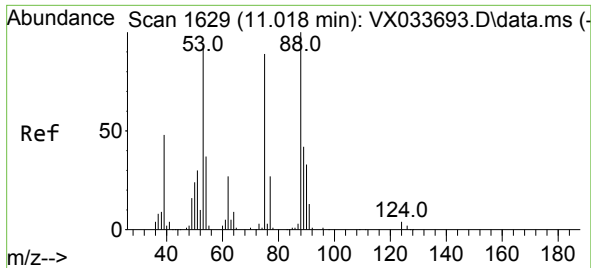
Tgt Ion: 43	Resp: 19154
Ion Ratio	Lower Upper
43	100
70	2.3 34.8 52.2#
55	4.1 19.4 29.0#
61	10.0 19.4 29.2#



#76
1,2,3-Trichloropropane
Concen: 24.094 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.159 min
Lab File: VX033854.D
Acq: 23 Jan 2023 17:06

Tgt Ion: 75	Resp: 42545
Ion Ratio	Lower Upper
75	100
77	1.1 21.8 65.4#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 74.882 ug/l
 RT: 11.079 min Scan# 1
 Delta R.T. 0.061 min
 Lab File: VX033854.D
 Acq: 23 Jan 2023 17:06

Instrument :
 MSVOA_X
 ClientSampleId :
 TCLP-1

Tgt Ion: 75 Resp: 42545
 Ion Ratio Lower Upper
 75 100
 53 0.0 83.0 124.6#
 89 0.0 37.7 56.5#

