

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX021023\
 Data File : VX034083.D
 Acq On : 08 Feb 2023 14:19
 Operator : JC/MD
 Sample : 01463-09
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 TCLP-5

Quant Time: Feb 09 04:50:46 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X020423W.M
 Quant Title : SW846 8260
 QLast Update : Fri Feb 03 23:25:45 2023
 Response via : Initial Calibration

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

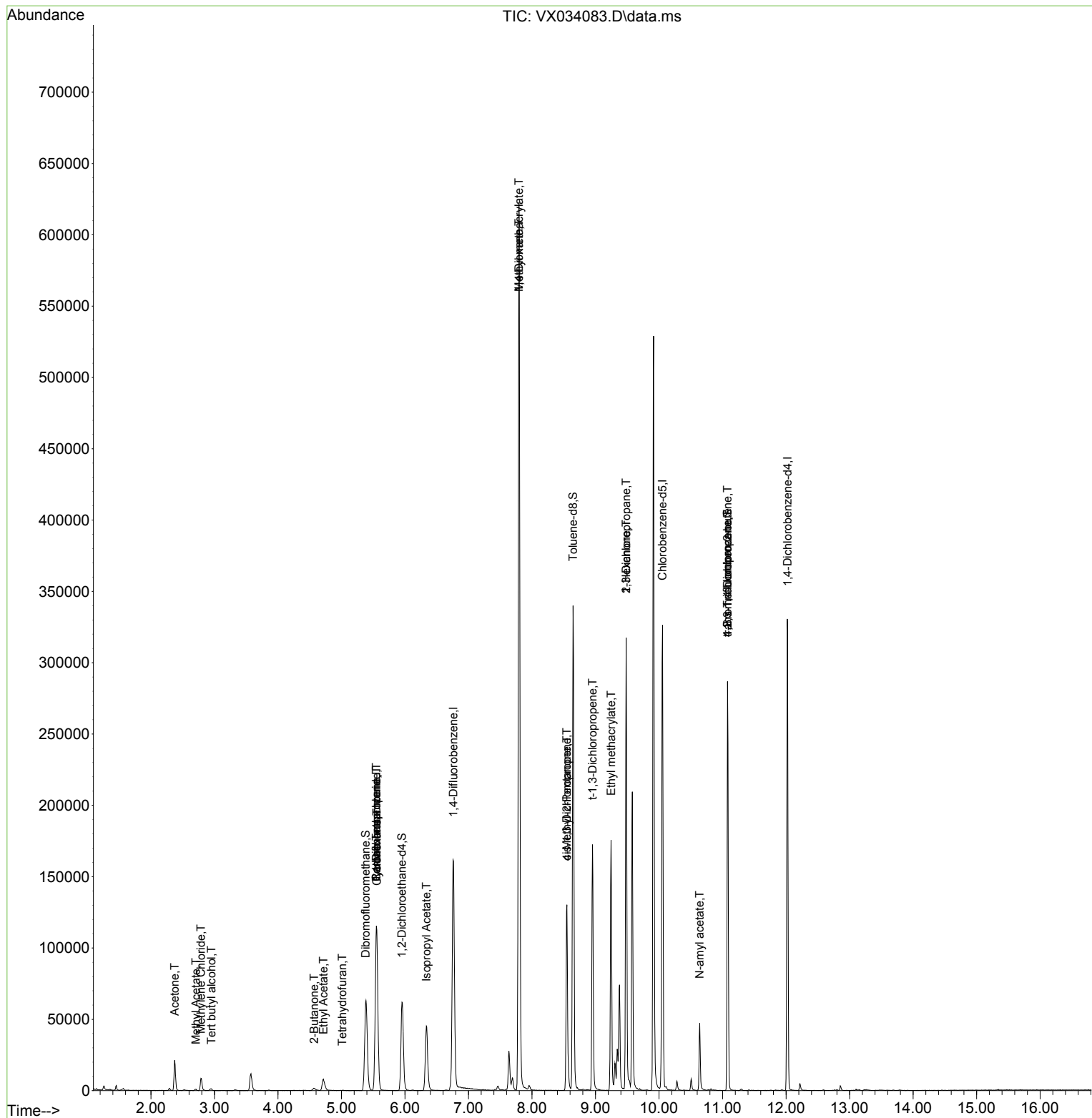
Internal Standards						
1) Pentafluorobenzene	5.550	168	127112	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.763	114	177850	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	158230	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	79887	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.952	65	63064	51.463	ug/l	0.00
Spiked Amount	50.000	Range	78 - 117	Recovery	= 102.920%	
35) Dibromofluoromethane	5.379	113	56031	49.502	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	= 99.000%	
50) Toluene-d8	8.647	98	204178	50.066	ug/l	0.00
Spiked Amount	50.000	Range	92 - 112	Recovery	= 100.140%	
62) 4-Bromofluorobenzene	11.079	95	72495	49.773	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	= 99.540%	
Target Compounds						
					Qvalue	
11) Tert butyl alcohol	2.953	59	1183	6.891	ug/l #	86
16) Acetone	2.373	43	22848	44.145	ug/l	96
18) Methyl Acetate	2.709	43	1286	0.799	ug/l	99
20) Methylene Chloride	2.788	84	4517	3.815	ug/l	90
25) 2-Butanone	4.568	43	3089	4.099	ug/l #	89
29) Tetrahydrofuran	5.013	42	188	0.392	ug/l #	42
31) Cyclohexane	5.556	56	1895	1.062	ug/l #	1
36) 1,1-Dichloropropene	5.550	75	7452	4.802	ug/l #	48
37) Ethyl Acetate	4.714	43	14154	9.791	ug/l	97
38) Carbon Tetrachloride	5.550	117	10619	6.416	ug/l #	15
43) Isopropyl Acetate	6.336	43	61948	27.476	ug/l	96
48) Methyl methacrylate	7.793	41	53128	45.640	ug/l #	45
49) 1,4-Dioxane	7.793	88	73	3.258	ug/l #	1
51) 4-Methyl-2-Pentanone	8.549	43	47448	33.551	ug/l #	52
53) t-1,3-Dichloropropene	8.951	75	361	0.239	ug/l #	43
54) cis-1,3-Dichloropropene	8.549	75	22393	13.009	ug/l #	61
56) Ethyl methacrylate	9.244	69	370	0.228	ug/l #	1
57) 1,3-Dichloropropane	9.482	76	2699	1.421	ug/l #	43
59) 2-Hexanone	9.482	43	39028	37.711	ug/l #	50
74) N-amyl acetate	10.640	43	12331	7.011	ug/l #	52
76) 1,2,3-Trichloropropane	11.079	75	33595	24.491	ug/l #	34
81) trans-1,4-Dichloro-2-b...	11.079	75	33595	75.424	ug/l #	8

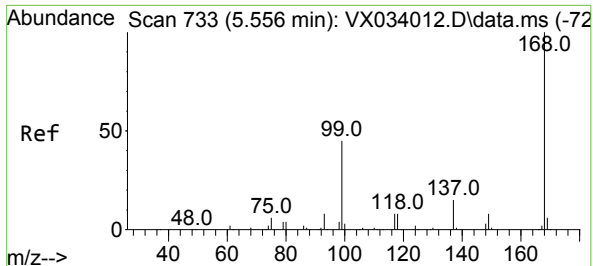
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Time: Feb 09 04:50:46 2023
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Quant Title : SW846 8260
QLast Update : Fri Feb 03 23:25:45 2023
Response via : Initial Calibration

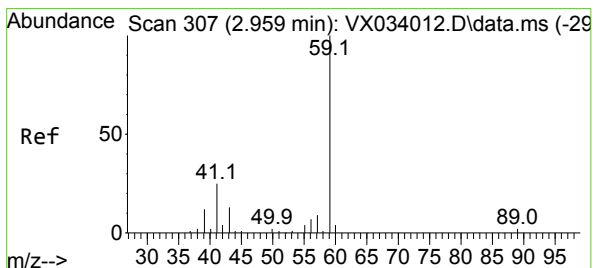
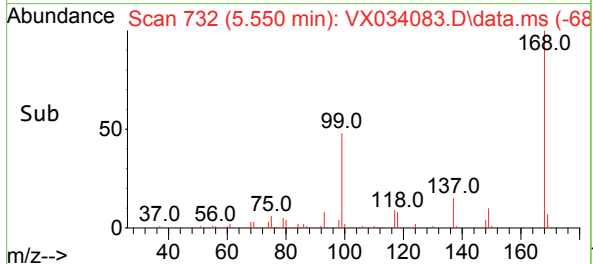
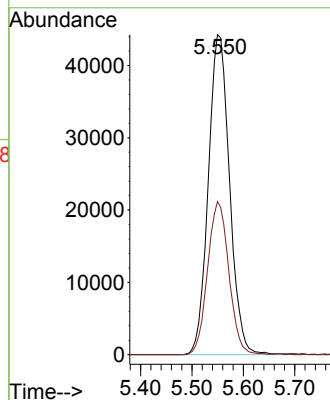
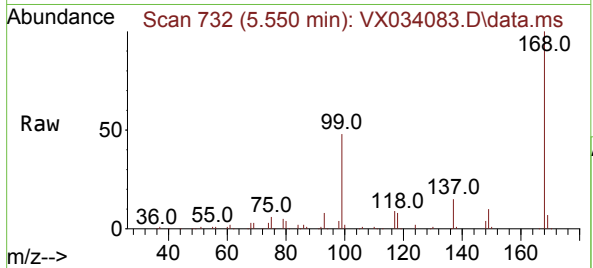




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.550 min Scan# 71
Delta R.T. -0.006 min
Lab File: VX034083.D
Acq: 08 Feb 2023 14:19

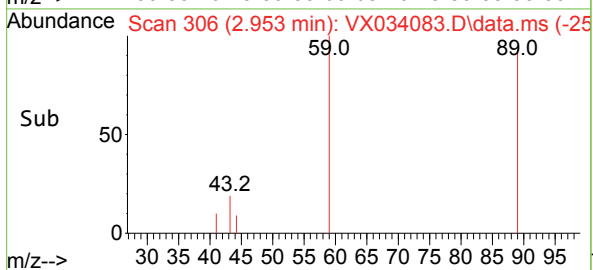
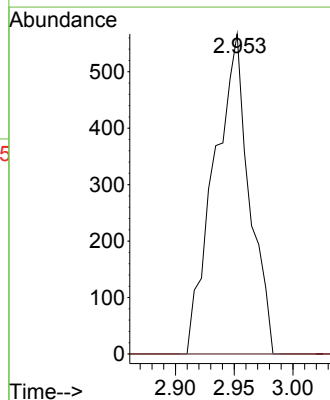
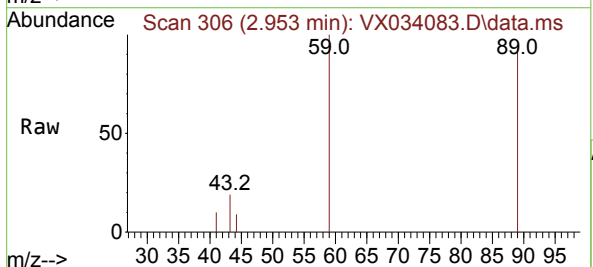
Instrument :
MSVOA_X
ClientSampleId :
TCLP-5

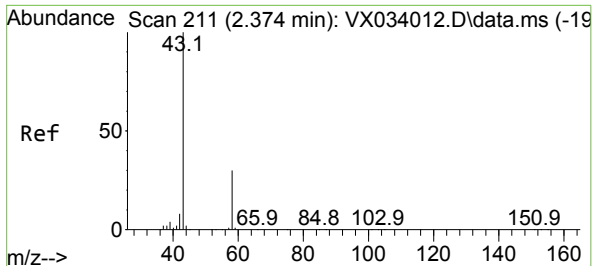
Tgt Ion:168 Resp: 127112
Ion Ratio Lower Upper
168 100
99 47.9 39.6 59.4



#11
Tert butyl alcohol
Concen: 6.891 ug/l
RT: 2.953 min Scan# 306
Delta R.T. -0.006 min
Lab File: VX034083.D
Acq: 08 Feb 2023 14:19

Tgt Ion: 59 Resp: 1183
Ion Ratio Lower Upper
59 100
57 0.0 3.7 5.5#

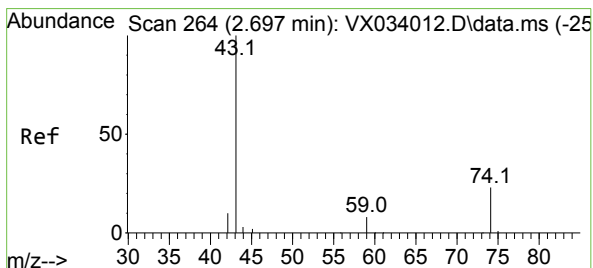
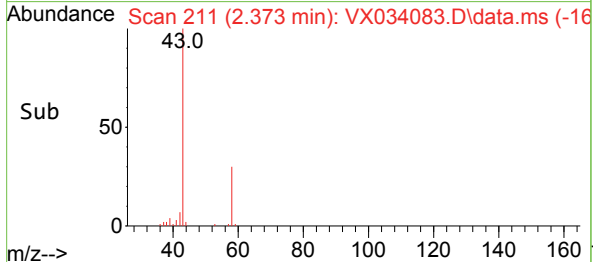
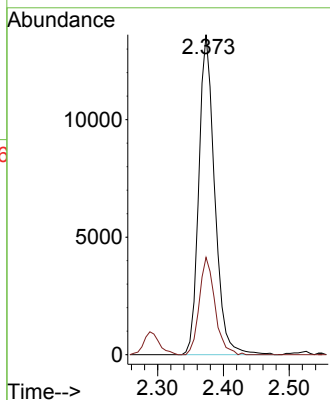
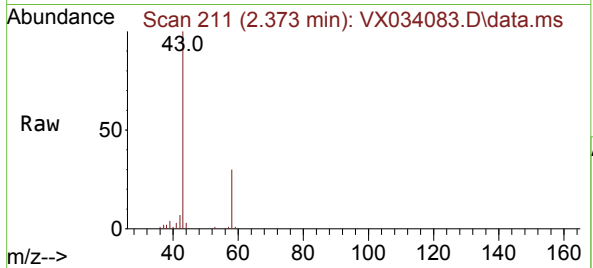




#16
Acetone
Concen: 44.145 ug/l
RT: 2.373 min Scan# 211
Delta R.T. -0.000 min
Lab File: VX034083.D
Acq: 08 Feb 2023 14:19

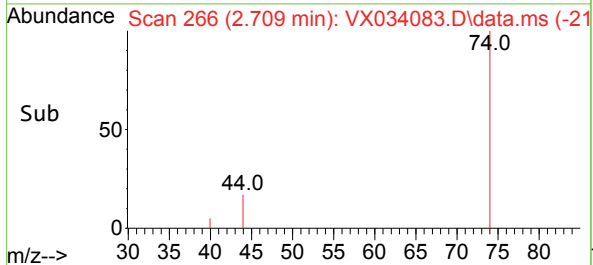
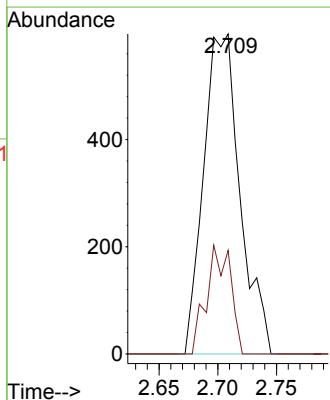
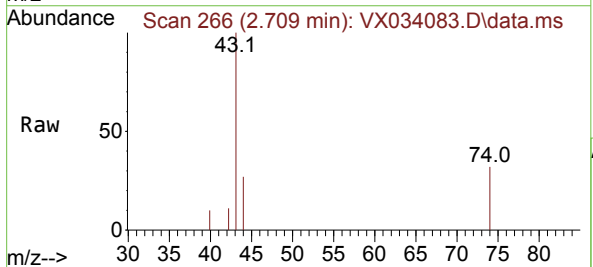
Instrument :
MSVOA_X
ClientSampleId :
TCLP-5

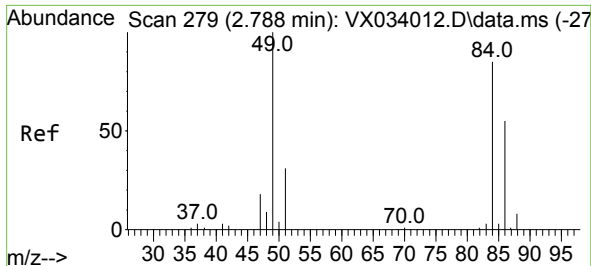
Tgt Ion: 43 Resp: 22848
Ion Ratio Lower Upper
43 100
58 30.4 22.6 33.8



#18
Methyl Acetate
Concen: 0.799 ug/l
RT: 2.709 min Scan# 266
Delta R.T. 0.012 min
Lab File: VX034083.D
Acq: 08 Feb 2023 14:19

Tgt Ion: 43 Resp: 1286
Ion Ratio Lower Upper
43 100
74 22.4 18.2 27.4

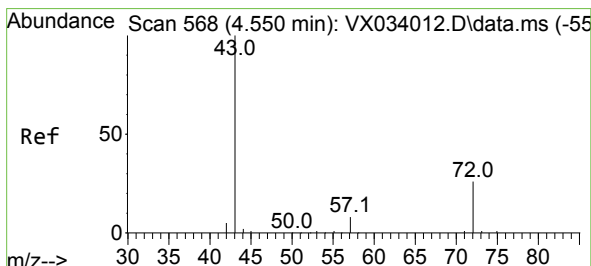
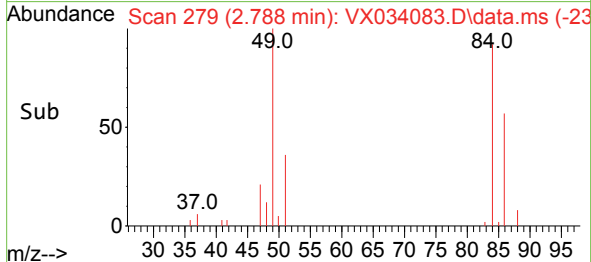
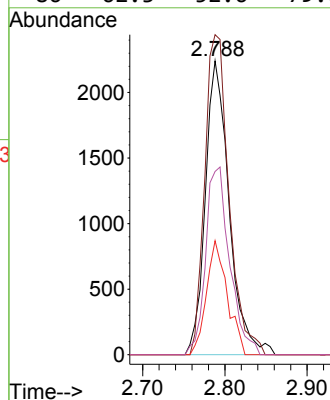
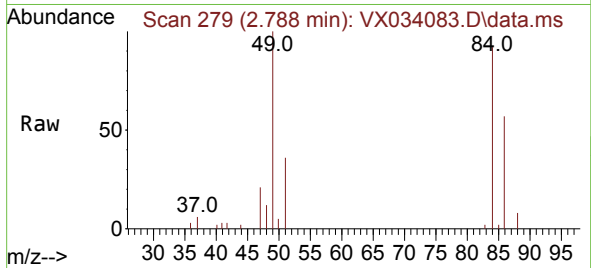




#20
Methylene Chloride
Concen: 3.815 ug/l
RT: 2.788 min Scan# 21
Delta R.T. -0.000 min
Lab File: VX034083.D
Acq: 08 Feb 2023 14:19

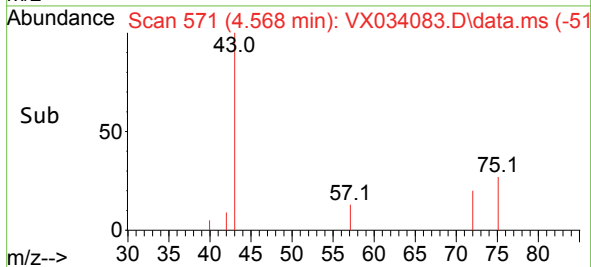
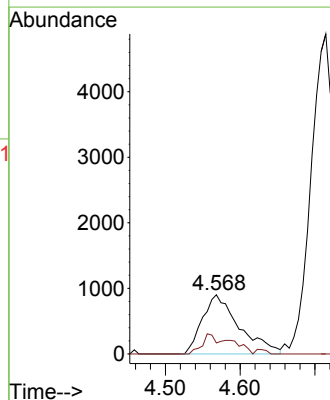
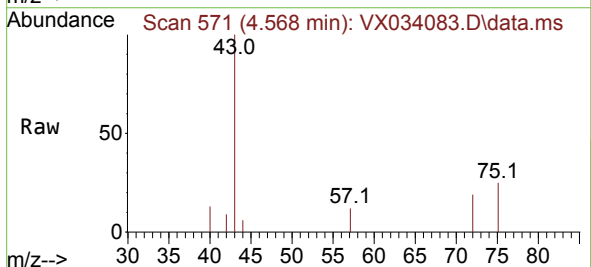
Instrument :
MSVOA_X
ClientSampleId :
TCLP-5

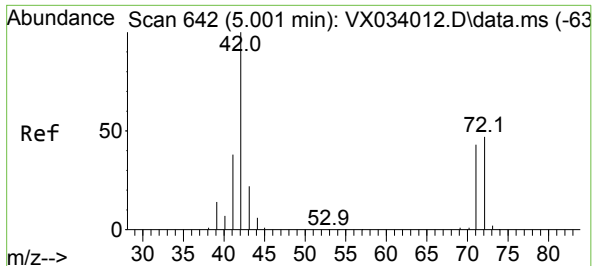
Tgt Ion: 84	Resp: 4517
Ion Ratio	Lower Upper
84 100	
49 108.9	101.1 151.7
51 38.8	31.0 46.6
86 62.3	52.6 79.0



#25
2-Butanone
Concen: 4.099 ug/l
RT: 4.568 min Scan# 571
Delta R.T. 0.018 min
Lab File: VX034083.D
Acq: 08 Feb 2023 14:19

Tgt Ion: 43	Resp: 3089
Ion Ratio	Lower Upper
43 100	
72 18.7	19.4 29.2#





#29

Tetrahydrofuran

Concen: 0.392 ug/l

RT: 5.013 min Scan# 642

Delta R.T. 0.012 min

Lab File: VX034083.D

Acq: 08 Feb 2023 14:19

Instrument :

MSVOA_X

ClientSampleId :

TCLP-5

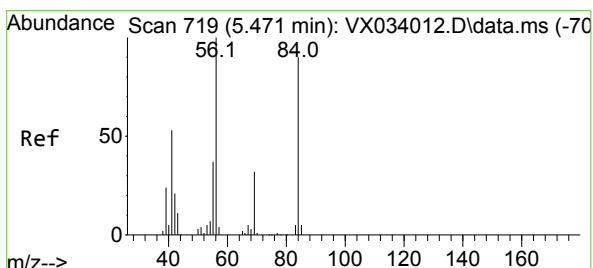
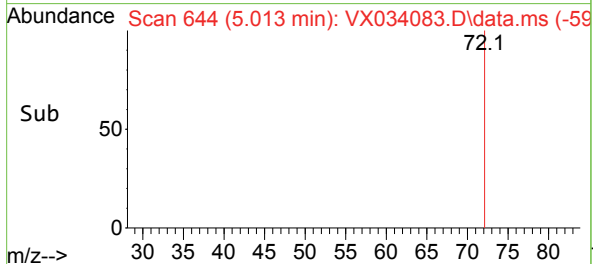
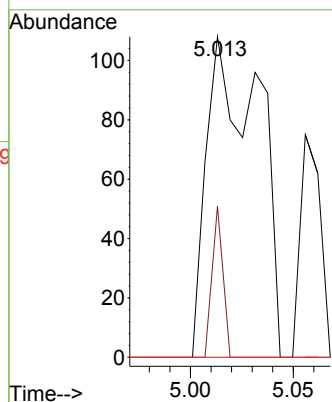
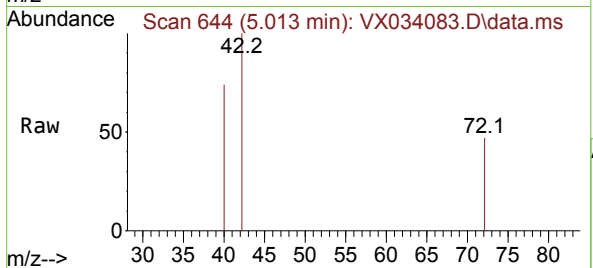
Tgt Ion: 42 Resp: 188

Ion Ratio Lower Upper

42 100

72 10.1 34.8 52.2#

71 0.0 32.2 48.2#



#31

Cyclohexane

Concen: 1.062 ug/l

RT: 5.556 min Scan# 733

Delta R.T. 0.085 min

Lab File: VX034083.D

Acq: 08 Feb 2023 14:19

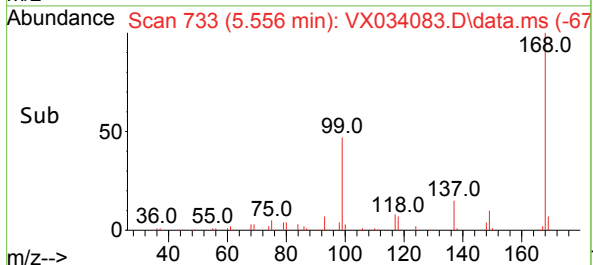
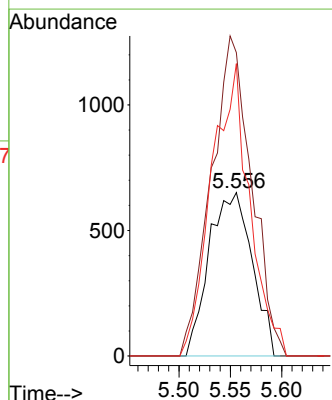
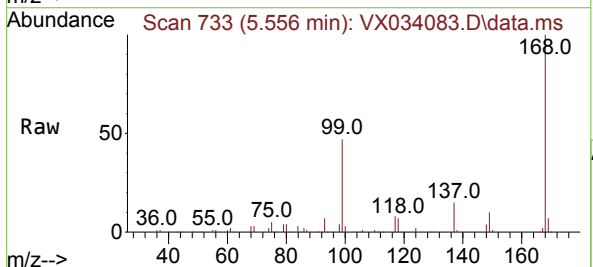
Tgt Ion: 56 Resp: 1895

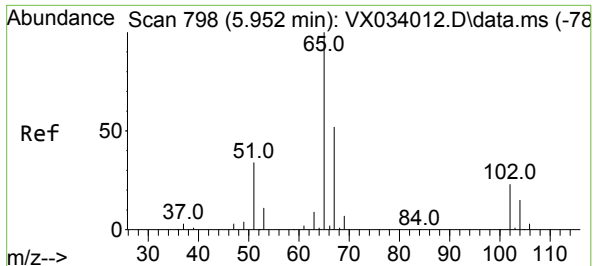
Ion Ratio Lower Upper

56 100

69 185.7 24.6 37.0#

84 179.0 71.0 106.6#





#33

1,2-Dichloroethane-d4

Concen: 51.463 ug/l

RT: 5.952 min Scan# 798

Delta R.T. -0.000 min

Lab File: VX034083.D

Acq: 08 Feb 2023 14:19

Instrument :

MSVOA_X

ClientSampleId :

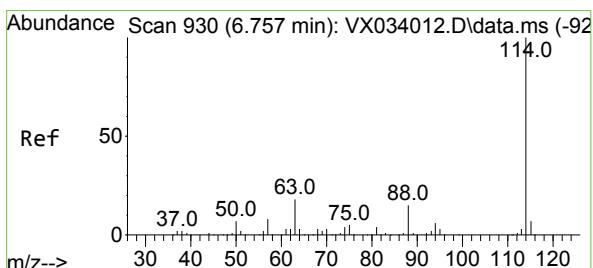
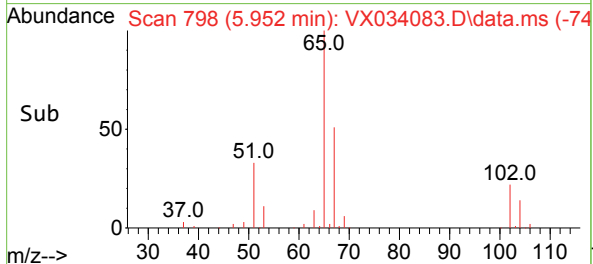
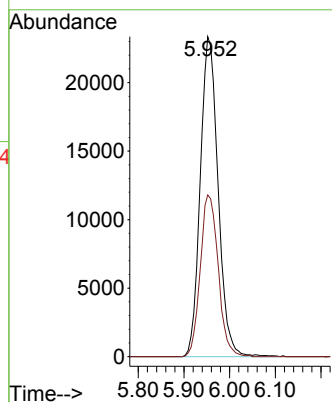
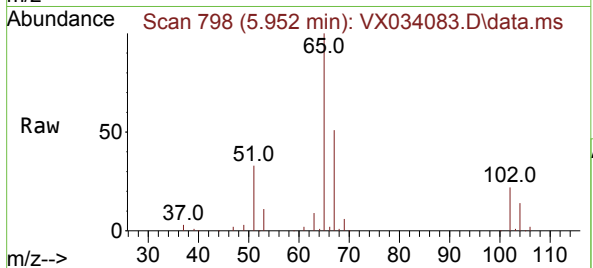
TCLP-5

Tgt Ion: 65 Resp: 63064

Ion Ratio Lower Upper

65 100

67 51.0 0.0 104.8



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.763 min Scan# 931

Delta R.T. 0.006 min

Lab File: VX034083.D

Acq: 08 Feb 2023 14:19

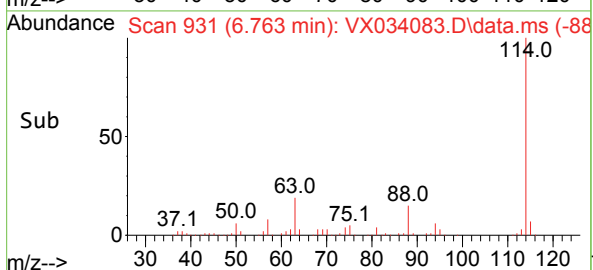
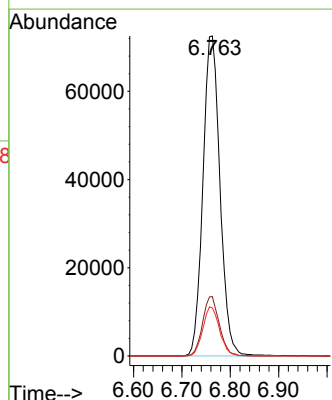
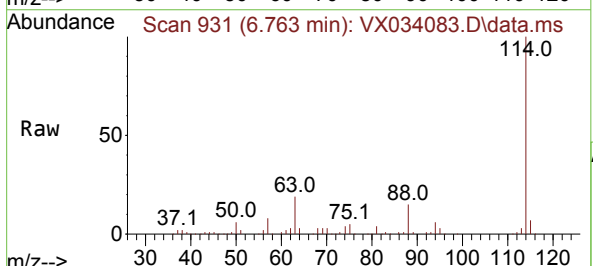
Tgt Ion: 114 Resp: 177850

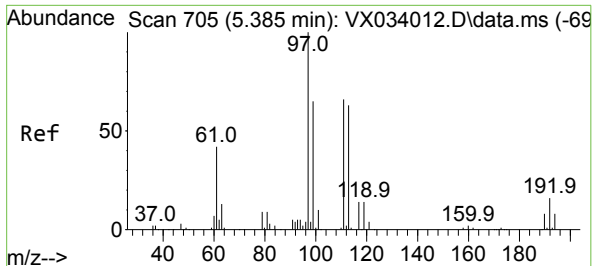
Ion Ratio Lower Upper

114 100

63 18.5 0.0 37.4

88 15.0 0.0 30.6

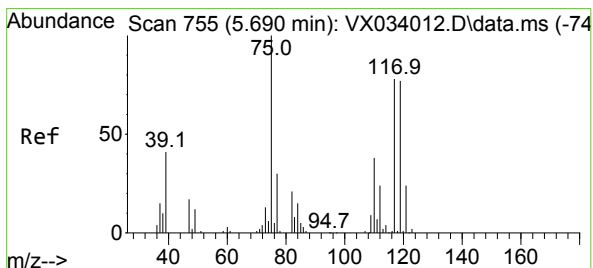
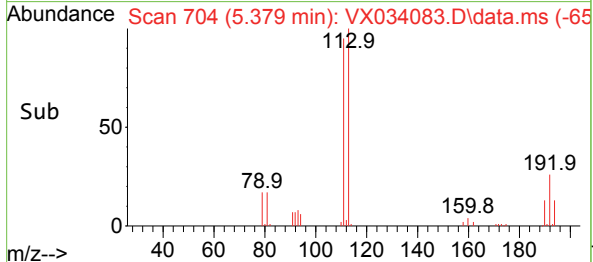
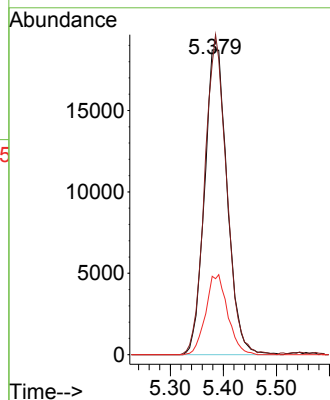
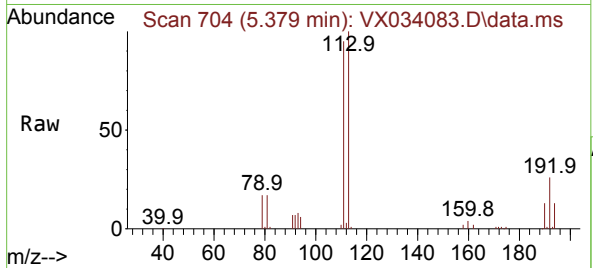




#35
Dibromofluoromethane
Concen: 49.502 ug/l
RT: 5.379 min Scan# 705
Delta R.T. -0.006 min
Lab File: VX034083.D
Acq: 08 Feb 2023 14:19

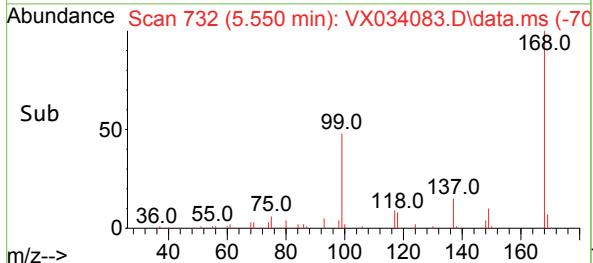
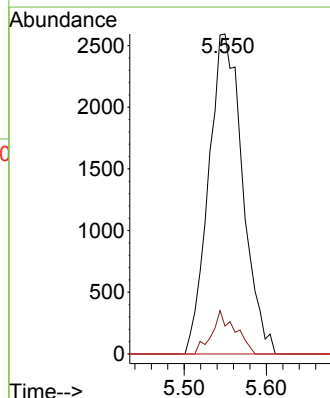
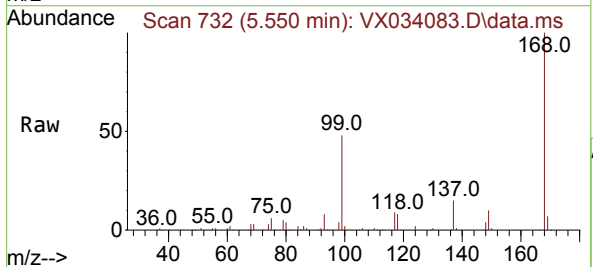
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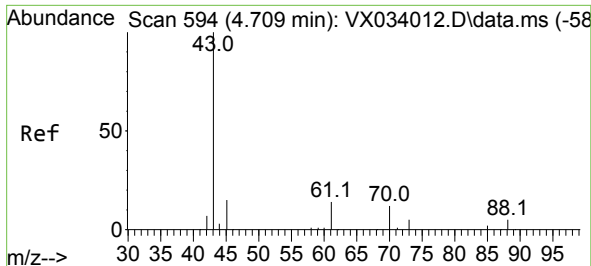
Tgt Ion:113 Resp: 56031
Ion Ratio Lower Upper
113 100
111 100.7 83.0 124.6
192 25.2 19.0 28.4



#36
1,1-Dichloropropene
Concen: 4.802 ug/l
RT: 5.550 min Scan# 732
Delta R.T. -0.140 min
Lab File: VX034083.D
Acq: 08 Feb 2023 14:19

Tgt Ion: 75 Resp: 7452
Ion Ratio Lower Upper
75 100
110 9.3 18.8 56.4#
77 0.0 25.1 37.7#





#37

Ethyl Acetate

Concen: 9.791 ug/l

RT: 4.714 min Scan# 594

Delta R.T. 0.006 min

Lab File: VX034083.D

Acq: 08 Feb 2023 14:19

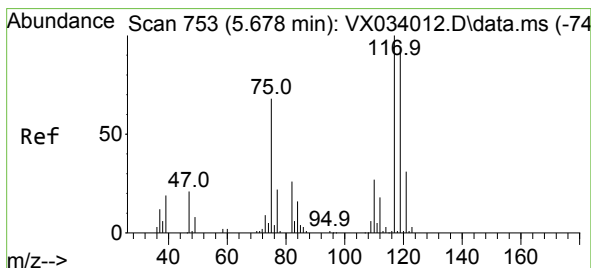
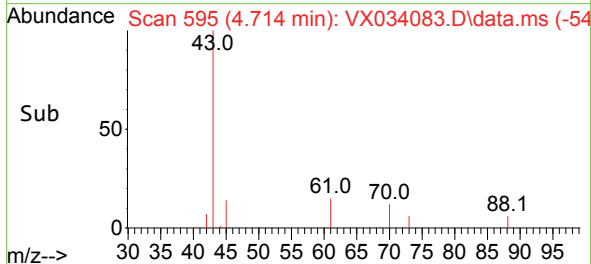
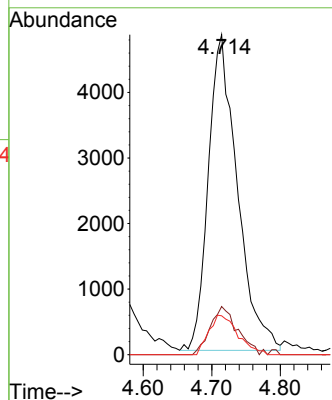
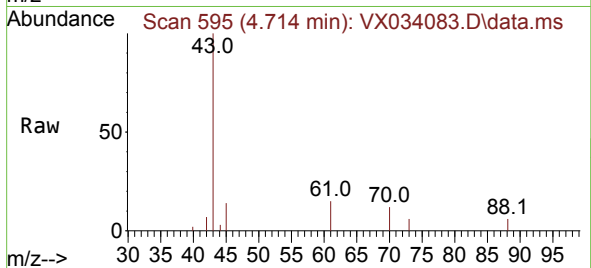
Instrument :

MSVOA_X

ClientSampleId :

TCLP-5

Tgt Ion:	43	Resp:	14154
Ion	Ratio	Lower	Upper
43	100		
61	14.5	11.1	16.7
70	12.6	8.5	12.7



#38

Carbon Tetrachloride

Concen: 6.416 ug/l

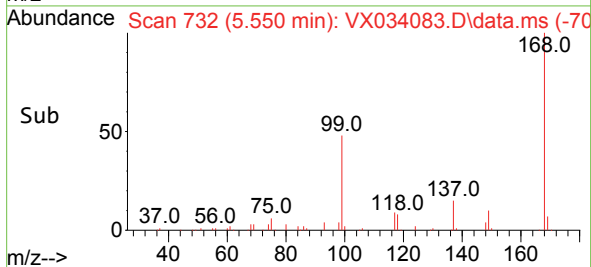
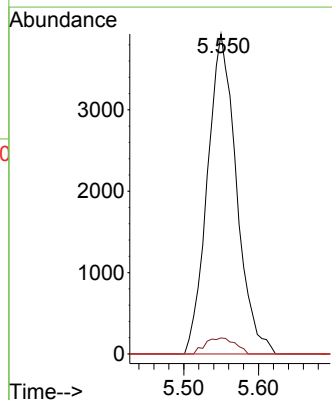
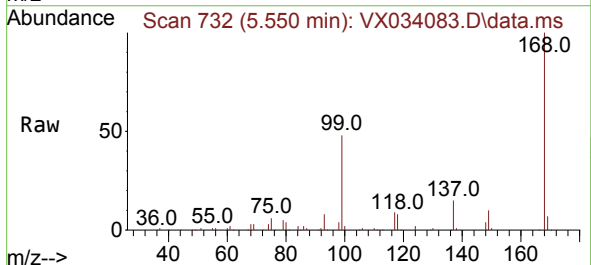
RT: 5.550 min Scan# 732

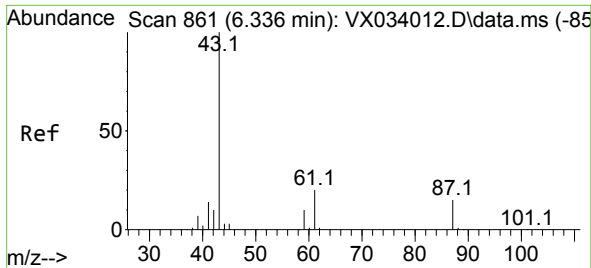
Delta R.T. -0.128 min

Lab File: VX034083.D

Acq: 08 Feb 2023 14:19

Tgt Ion:	117	Resp:	10619
Ion	Ratio	Lower	Upper
117	100		
119	5.0	78.0	117.0#
121	0.0	24.4	36.6#

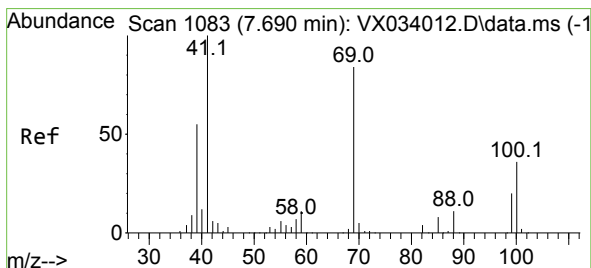
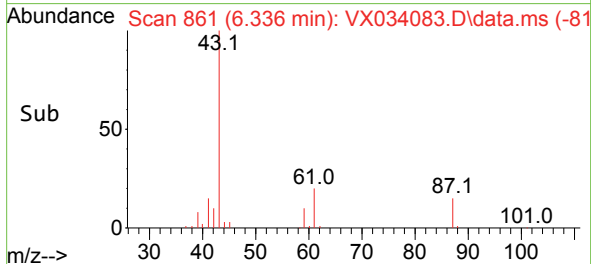
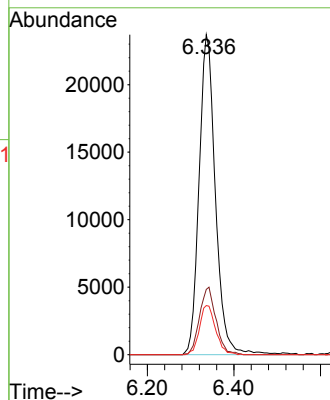
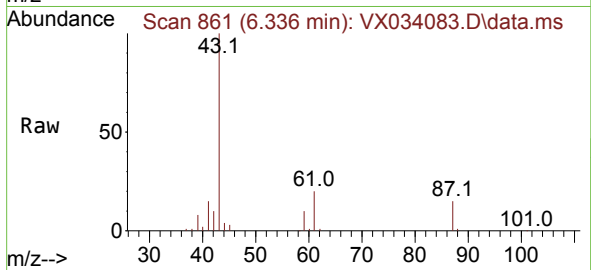




#43
Isopropyl Acetate
Concen: 27.476 ug/l
RT: 6.336 min Scan# 861
Delta R.T. -0.000 min
Lab File: VX034083.D
Acq: 08 Feb 2023 14:19

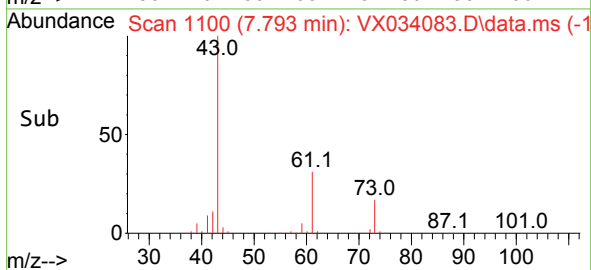
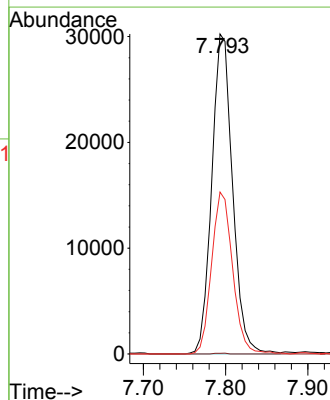
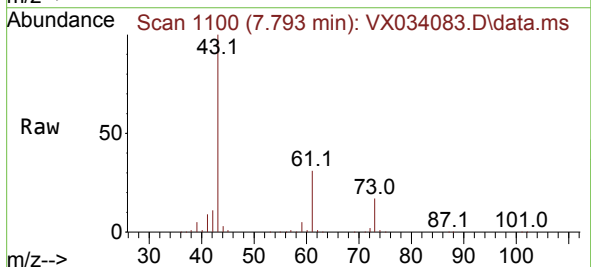
Instrument :
MSVOA_X
ClientSampleId :
TCLP-5

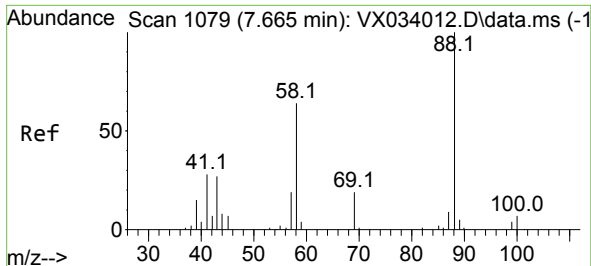
Tgt Ion: 43 Resp: 61948
Ion Ratio Lower Upper
43 100
61 21.3 15.7 23.5
87 15.2 10.6 15.8



#48
Methyl methacrylate
Concen: 45.640 ug/l
RT: 7.793 min Scan# 1100
Delta R.T. 0.103 min
Lab File: VX034083.D
Acq: 08 Feb 2023 14:19

Tgt Ion: 41 Resp: 53128
Ion Ratio Lower Upper
41 100
69 0.1 63.1 94.7#
39 51.2 43.2 64.8





#49

1,4-Dioxane

Concen: 3.258 ug/l

RT: 7.793 min Scan# 1100

Delta R.T. 0.128 min

Lab File: VX034083.D

Acq: 08 Feb 2023 14:19

Instrument :

MSVOA_X

ClientSampleId :

TCLP-5

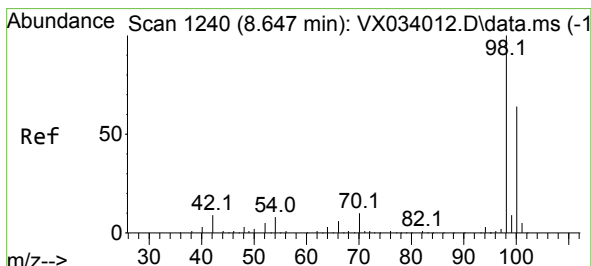
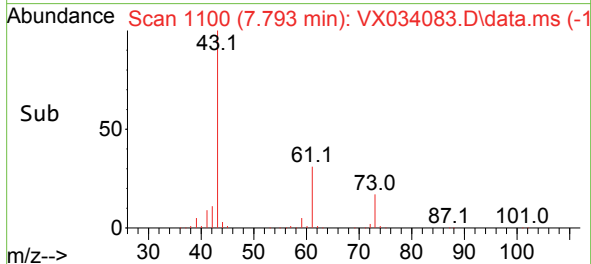
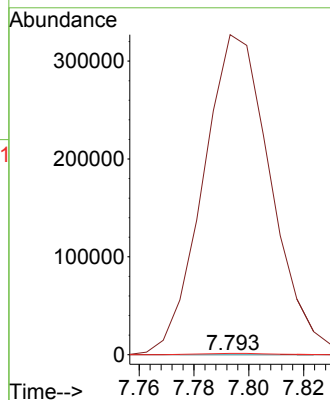
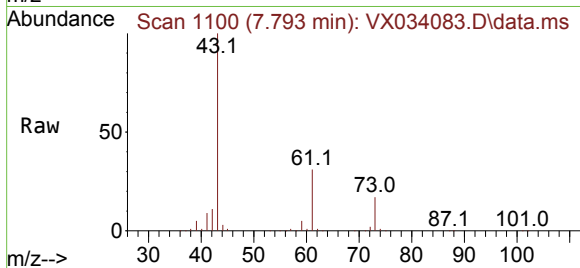
Tgt Ion: 88 Resp: 73

Ion Ratio Lower Upper

88 100

43 783142.5 0.0 0.0#

58 3254.8 56.5 84.7#



#50

Toluene-d8

Concen: 50.066 ug/l

RT: 8.647 min Scan# 1240

Delta R.T. -0.000 min

Lab File: VX034083.D

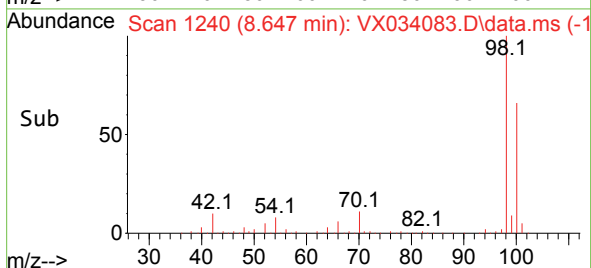
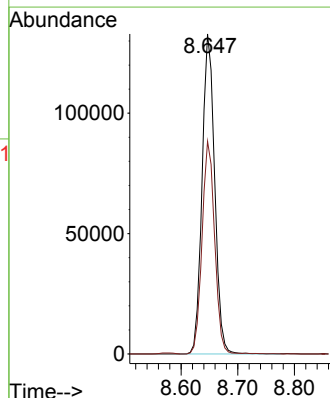
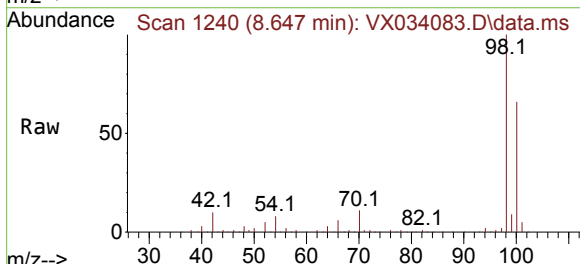
Acq: 08 Feb 2023 14:19

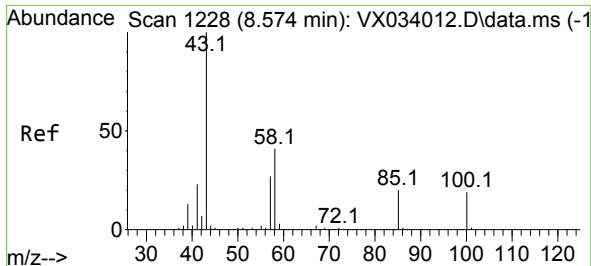
Tgt Ion: 98 Resp: 204178

Ion Ratio Lower Upper

98 100

100 66.4 53.6 80.4

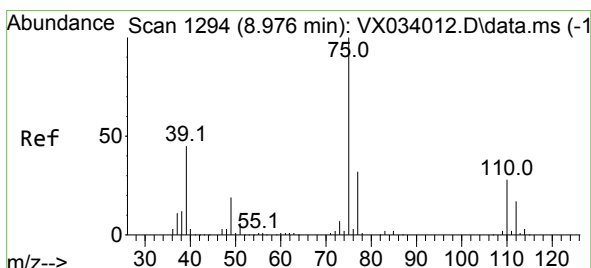
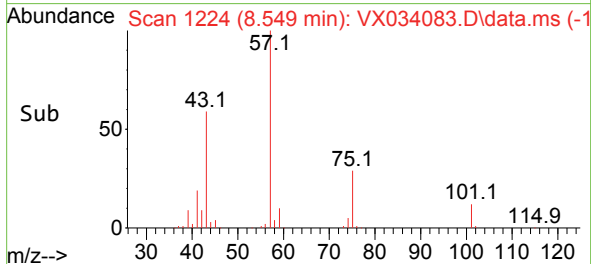
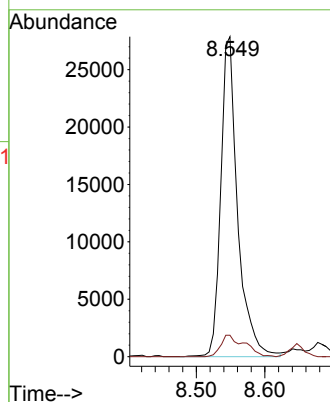
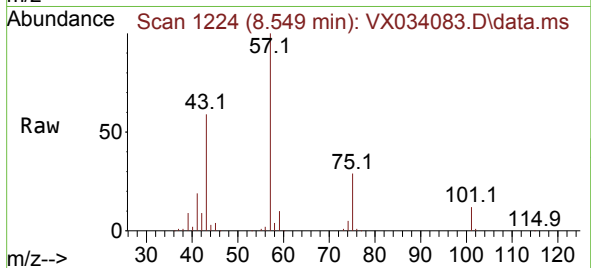




#51
4-Methyl-2-Pentanone
Concen: 33.551 ug/l
RT: 8.549 min Scan# 11
Delta R.T. -0.025 min
Lab File: VX034083.D
Acq: 08 Feb 2023 14:19

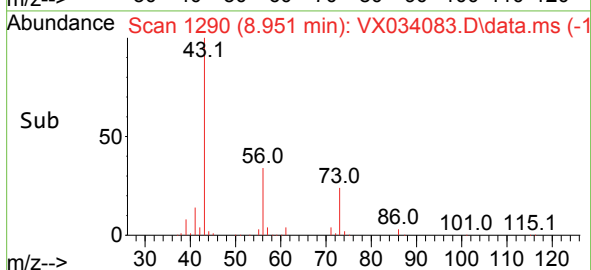
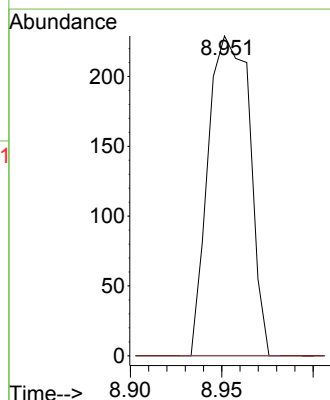
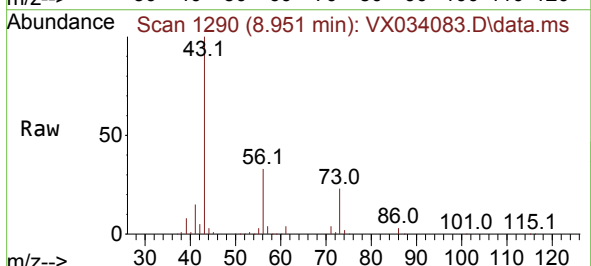
Instrument :
MSVOA_X
ClientSampleId :
TCLP-5

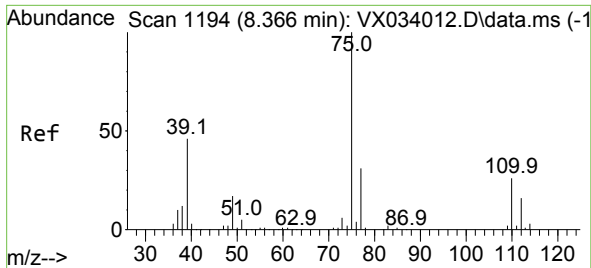
Tgt Ion: 43 Resp: 47448
Ion Ratio Lower Upper
43 100
58 9.5 31.2 46.8#



#53
t-1,3-Dichloropropene
Concen: 0.239 ug/l
RT: 8.951 min Scan# 1290
Delta R.T. -0.025 min
Lab File: VX034083.D
Acq: 08 Feb 2023 14:19

Tgt Ion: 75 Resp: 361
Ion Ratio Lower Upper
75 100
77 0.0 25.5 38.3#

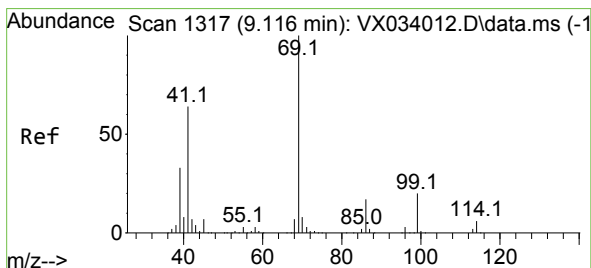
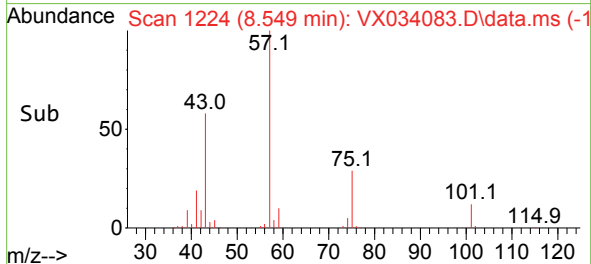
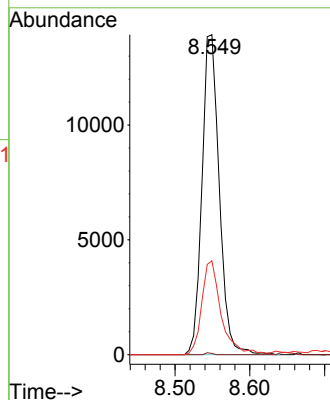
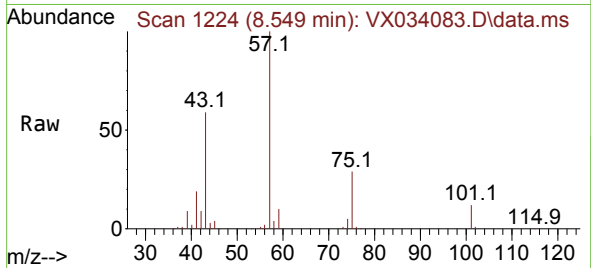




#54
 cis-1,3-Dichloropropene
 Concen: 13.009 ug/l
 RT: 8.549 min Scan# 1194
 Delta R.T. 0.183 min
 Lab File: VX034083.D
 Acq: 08 Feb 2023 14:19

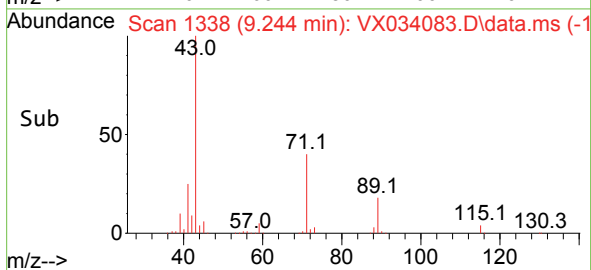
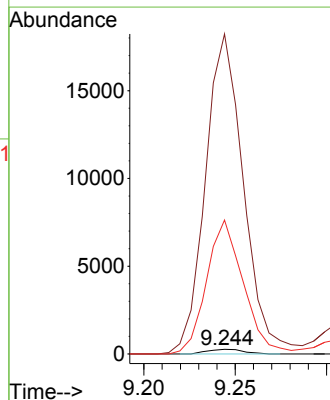
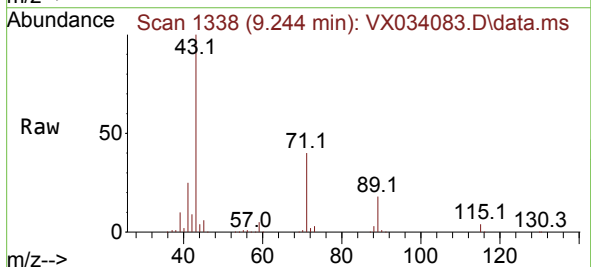
Instrument :
 MSVOA_X
 ClientSampleId :
 TCLP-5

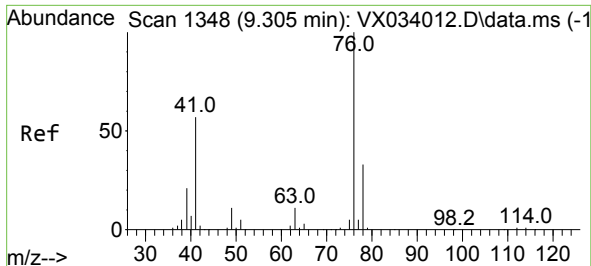
Tgt Ion: 75 Resp: 22393
 Ion Ratio Lower Upper
 75 100
 77 0.4 25.0 37.6#
 39 29.4 38.6 58.0#



#56
 Ethyl methacrylate
 Concen: 0.228 ug/l
 RT: 9.244 min Scan# 1338
 Delta R.T. 0.128 min
 Lab File: VX034083.D
 Acq: 08 Feb 2023 14:19

Tgt Ion: 69 Resp: 370
 Ion Ratio Lower Upper
 69 100
 41 7199.7 55.1 82.7#
 39 2893.2 28.5 42.7#





#57

1,3-Dichloropropane

Concen: 1.421 ug/l

RT: 9.482 min Scan# 1377

Delta R.T. 0.177 min

Lab File: VX034083.D

Acq: 08 Feb 2023 14:19

Instrument :

MSVOA_X

ClientSampleId :

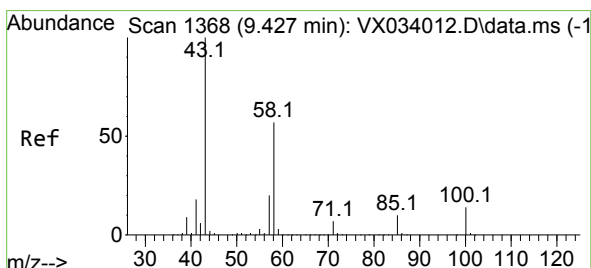
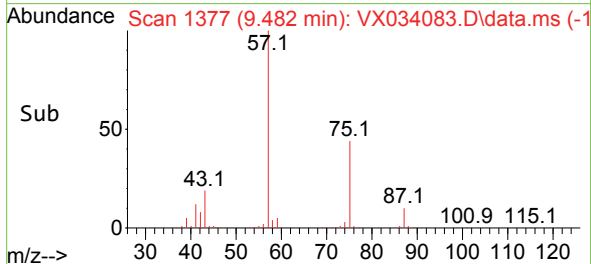
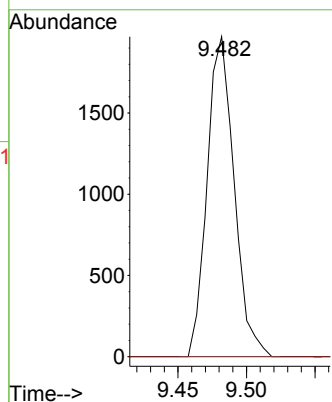
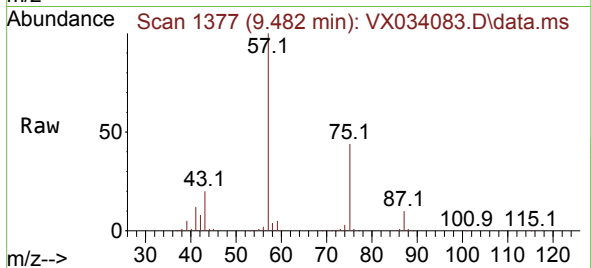
TCLP-5

Tgt Ion: 76 Resp: 2699

Ion Ratio Lower Upper

76 100

78 0.0 25.6 38.4#



#59

2-Hexanone

Concen: 37.711 ug/l

RT: 9.482 min Scan# 1377

Delta R.T. 0.055 min

Lab File: VX034083.D

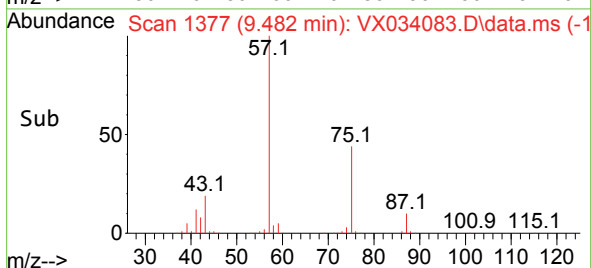
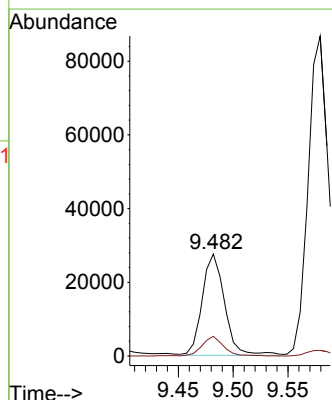
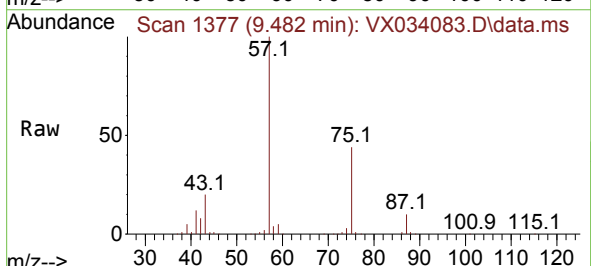
Acq: 08 Feb 2023 14:19

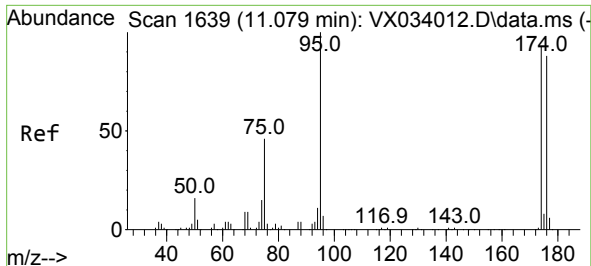
Tgt Ion: 43 Resp: 39028

Ion Ratio Lower Upper

43 100

58 18.6 27.4 82.0#

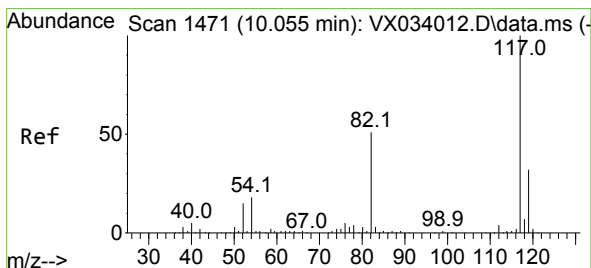
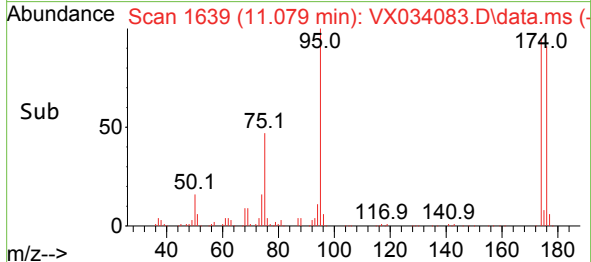
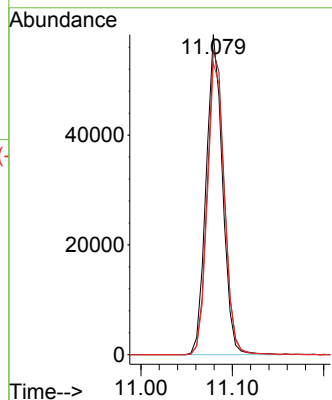
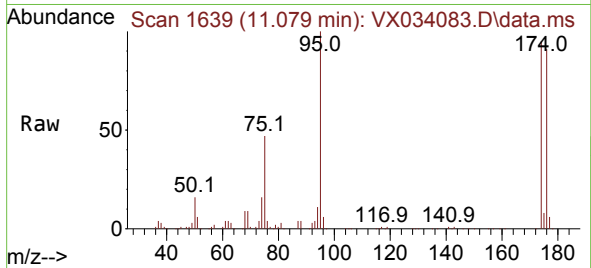




#62
4-Bromofluorobenzene
Concen: 49.773 ug/l
RT: 11.079 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX034083.D
Acq: 08 Feb 2023 14:19

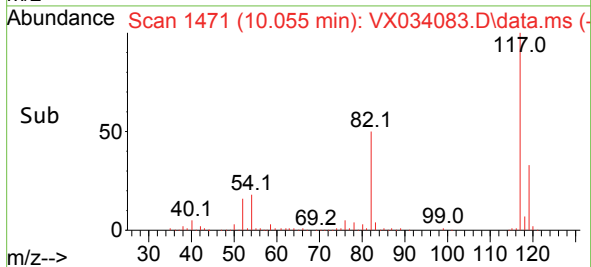
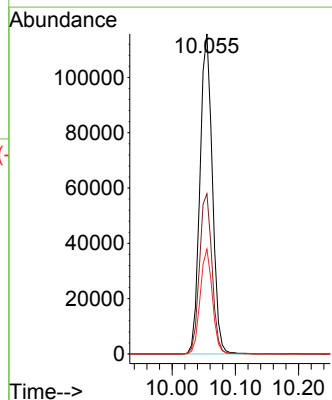
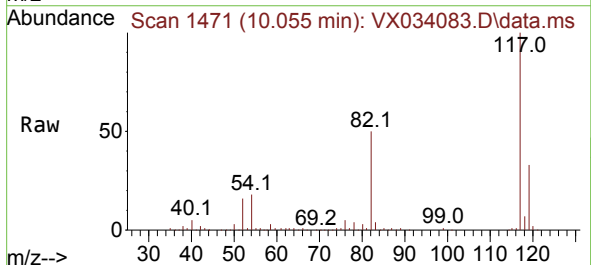
Instrument :
MSVOA_X
ClientSampleId :
TCLP-5

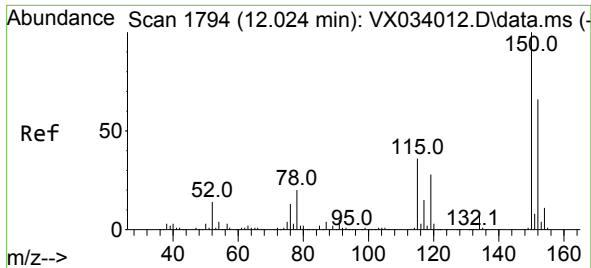
Tgt Ion: 95 Resp: 72495
Ion Ratio Lower Upper
95 100
174 99.4 0.0 184.4
176 94.3 0.0 178.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. -0.000 min
Lab File: VX034083.D
Acq: 08 Feb 2023 14:19

Tgt Ion: 117 Resp: 158230
Ion Ratio Lower Upper
117 100
82 50.1 40.6 60.8
119 32.8 25.6 38.4

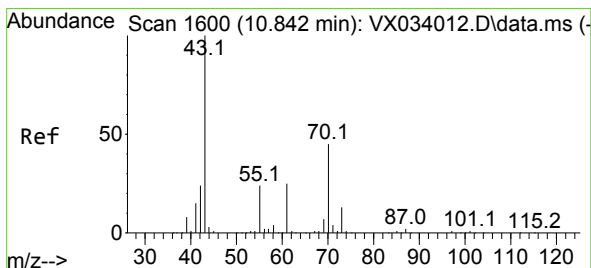
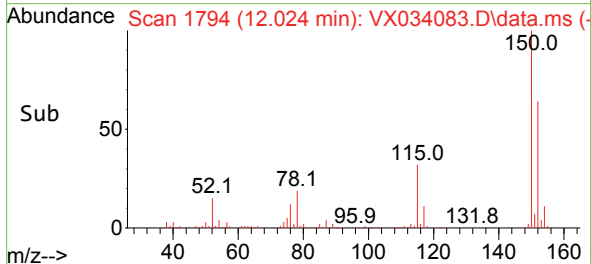
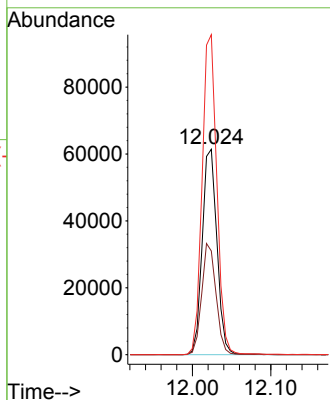
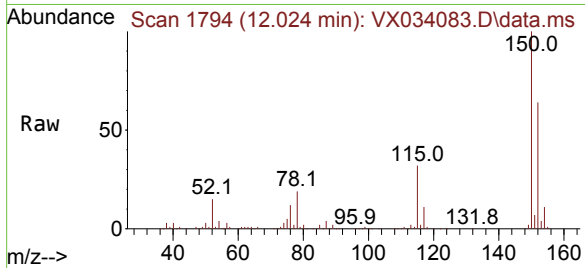




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.024 min Scan# 11
Delta R.T. -0.000 min
Lab File: VX034083.D
Acq: 08 Feb 2023 14:19

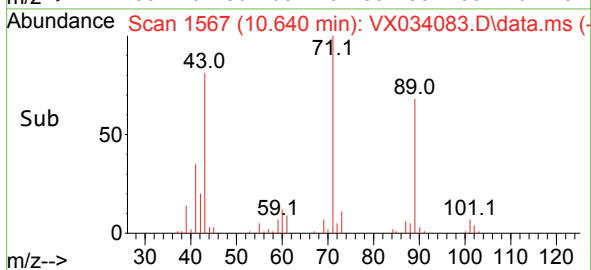
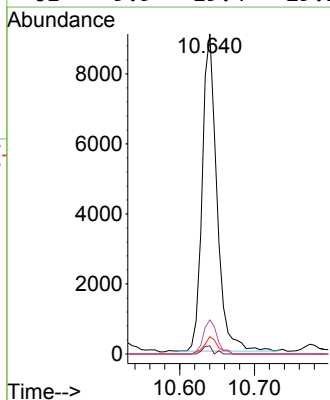
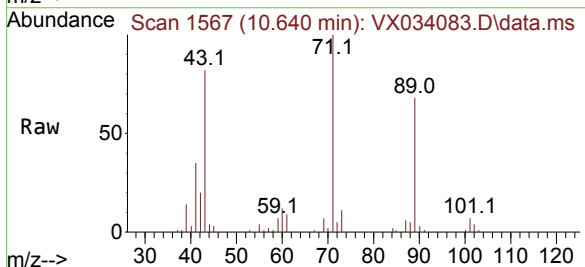
Instrument :
MSVOA_X
ClientSampleId :
TCLP-5

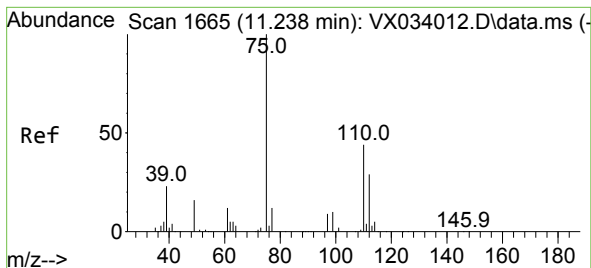
Tgt Ion:152 Resp: 79887
Ion Ratio Lower Upper
152 100
115 52.9 38.7 116.1
150 155.7 0.0 348.2



#74
N-ethyl acetate
Concen: 7.011 ug/l
RT: 10.640 min Scan# 1567
Delta R.T. -0.201 min
Lab File: VX034083.D
Acq: 08 Feb 2023 14:19

Tgt Ion: 43 Resp: 12331
Ion Ratio Lower Upper
43 100
70 1.8 34.8 52.2#
55 5.1 19.4 29.0#
61 9.9 19.4 29.2#





#76

1,2,3-Trichloropropane

Concen: 24.491 ug/l

RT: 11.079 min Scan# 1639

Delta R.T. -0.159 min

Lab File: VX034083.D

Acq: 08 Feb 2023 14:19

Instrument :

MSVOA_X

ClientSampleId :

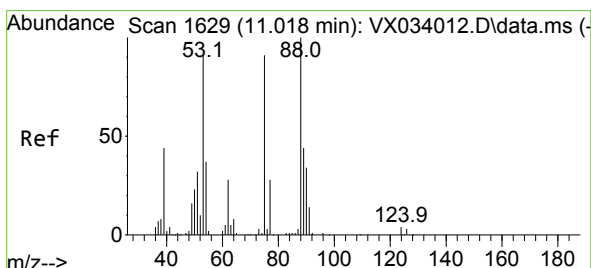
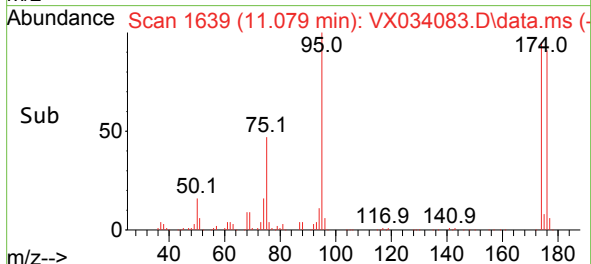
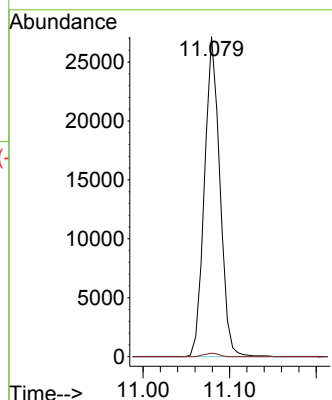
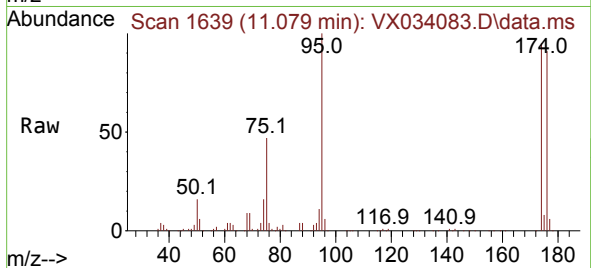
TCLP-5

Tgt Ion: 75 Resp: 33595

Ion Ratio Lower Upper

75 100

77 1.0 21.8 65.4#



#81

trans-1,4-Dichloro-2-butene

Concen: 75.424 ug/l

RT: 11.079 min Scan# 1639

Delta R.T. 0.061 min

Lab File: VX034083.D

Acq: 08 Feb 2023 14:19

Tgt Ion: 75 Resp: 33595

Ion Ratio Lower Upper

75 100

53 0.0 83.0 124.6#

89 0.0 37.7 56.5#

