

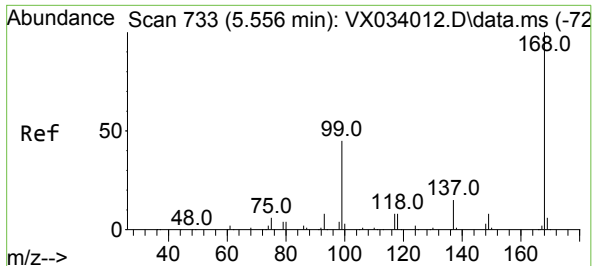
Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX021023\
 Data File : VX034082.D
 Acq On : 08 Feb 2023 13:56
 Operator : JC/MD
 Sample : 01463-02
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 TCLP-4

Quant Time: Feb 09 04:50:17 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	131698	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.763	114	183597	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	163188	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	82842	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.952	65	63338	49.887	ug/l	0.00
Spiked Amount	50.000	Range	78 - 117	Recovery	=	99.780%
35) Dibromofluoromethane	5.391	113	57916	49.566	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	99.140%
50) Toluene-d8	8.647	98	209316	49.720	ug/l	0.00
Spiked Amount	50.000	Range	92 - 112	Recovery	=	99.440%
62) 4-Bromofluorobenzene	11.079	95	74714	49.690	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	=	99.380%
Target Compounds						
					Qvalue	
11) Tert butyl alcohol	2.947	59	1010	5.678	ug/l #	86
16) Acetone	2.374	43	23296	43.443	ug/l	93
18) Methyl Acetate	2.703	43	1082	0.649	ug/l	95
20) Methylene Chloride	2.788	84	4447	3.625	ug/l	92
25) 2-Butanone	4.568	43	3148	4.032	ug/l	97
29) Tetrahydrofuran	5.013	42	131	0.264	ug/l #	34
31) Cyclohexane	5.538	56	1785	0.965	ug/l #	1
36) 1,1-Dichloropropene	5.550	75	7758	4.843	ug/l #	49
37) Ethyl Acetate	4.709	43	14105	9.451	ug/l	97
38) Carbon Tetrachloride	5.550	117	11168	6.536	ug/l #	16
42) 1,2-Dichloroethane	6.336	62	324	0.206	ug/l #	73
43) Isopropyl Acetate	6.336	43	62094	26.679	ug/l	97
48) Methyl methacrylate	7.793	41	54905	45.690	ug/l #	45
49) 1,4-Dioxane	7.799	88	26	1.124	ug/l #	1
51) 4-Methyl-2-Pentanone	8.549	43	47180	32.317	ug/l #	51
53) t-1,3-Dichloropropene	8.952	75	341	0.218	ug/l #	43
54) cis-1,3-Dichloropropene	8.549	75	22284	12.540	ug/l #	61
57) 1,3-Dichloropropane	9.482	76	2902	1.481	ug/l #	43
59) 2-Hexanone	9.482	43	39001	36.505	ug/l #	50
74) N-amyl acetate	10.640	43	12379	6.787	ug/l #	51
76) 1,2,3-Trichloropropane	11.079	75	34767	24.441	ug/l #	34
81) trans-1,4-Dichloro-2-b...	11.079	75	34767	75.271	ug/l #	8

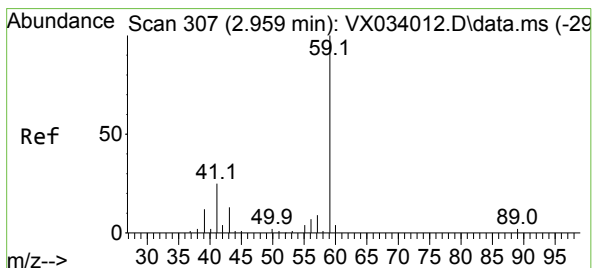
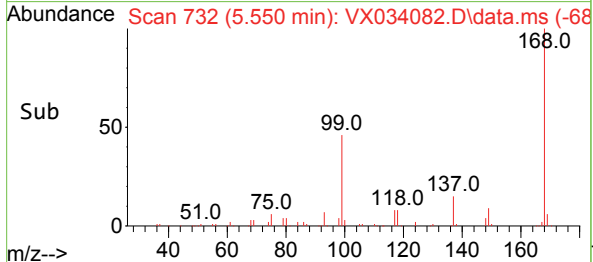
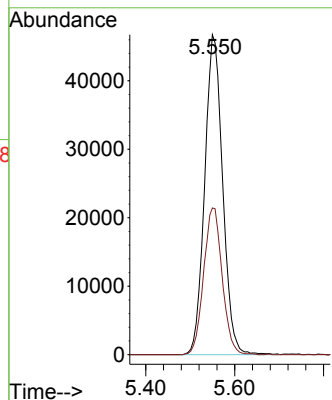
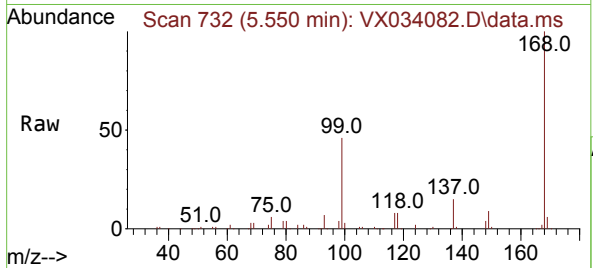
(#) = qualifier out of range (m) = manual integration (+) = signals summed



#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.550 min Scan# 71
Delta R.T. -0.006 min
Lab File: VX034082.D
Acq: 08 Feb 2023 13:56

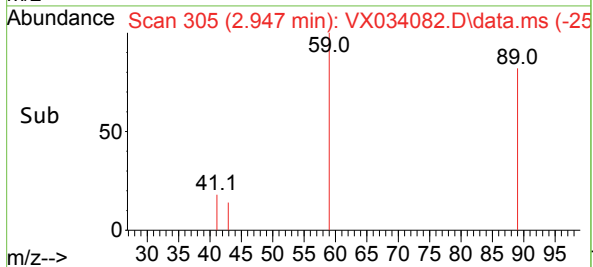
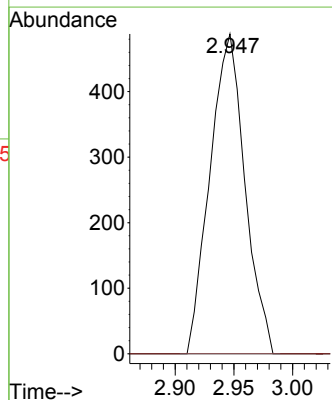
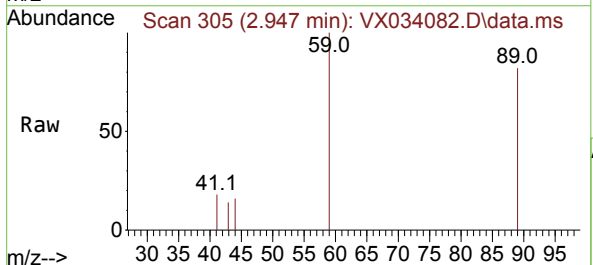
Instrument :
MSVOA_X
ClientSampleId :
TCLP-4

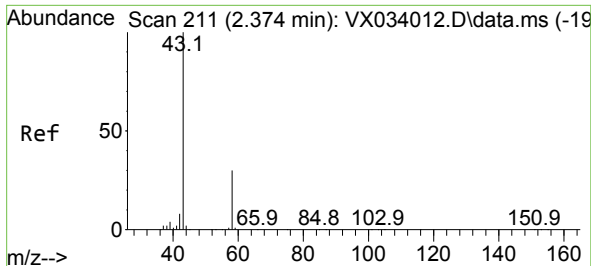
Tgt Ion:168 Resp: 131698
Ion Ratio Lower Upper
168 100
99 45.8 39.6 59.4



#11
Tert butyl alcohol
Concen: 5.678 ug/l
RT: 2.947 min Scan# 305
Delta R.T. -0.012 min
Lab File: VX034082.D
Acq: 08 Feb 2023 13:56

Tgt Ion: 59 Resp: 1010
Ion Ratio Lower Upper
59 100
57 0.0 3.7 5.5#

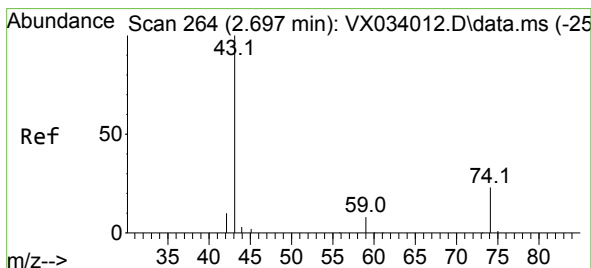
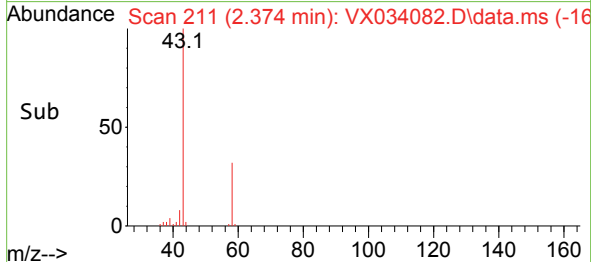
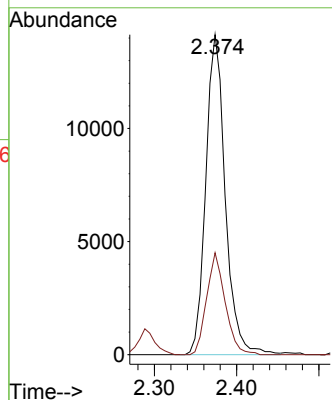
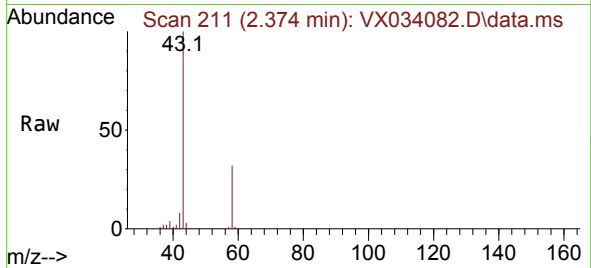




#16
Acetone
Concen: 43.443 ug/l
RT: 2.374 min Scan# 211
Delta R.T. 0.000 min
Lab File: VX034082.D
Acq: 08 Feb 2023 13:56

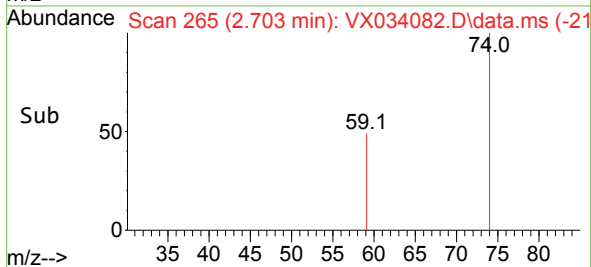
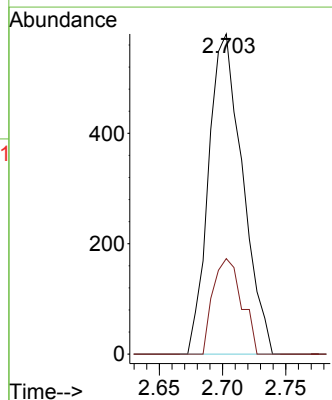
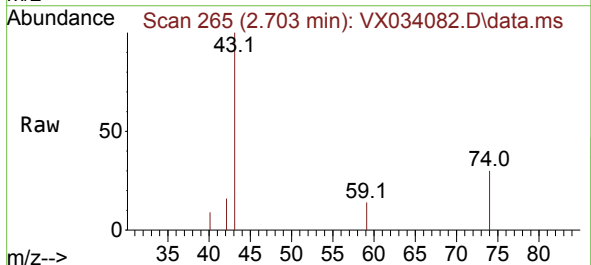
Instrument :
MSVOA_X
ClientSampleId :
TCLP-4

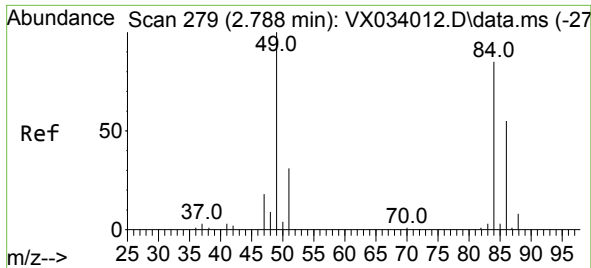
Tgt Ion: 43 Resp: 23296
Ion Ratio Lower Upper
43 100
58 31.8 22.6 33.8



#18
Methyl Acetate
Concen: 0.649 ug/l
RT: 2.703 min Scan# 265
Delta R.T. 0.006 min
Lab File: VX034082.D
Acq: 08 Feb 2023 13:56

Tgt Ion: 43 Resp: 1082
Ion Ratio Lower Upper
43 100
74 25.2 18.2 27.4

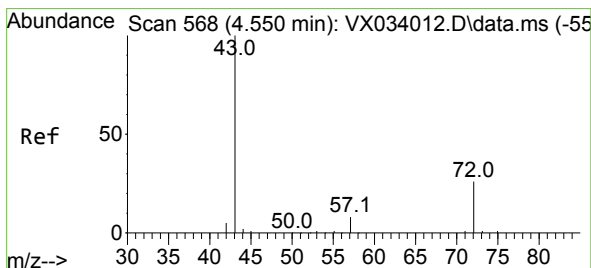
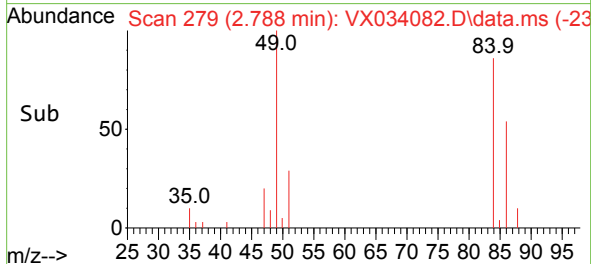
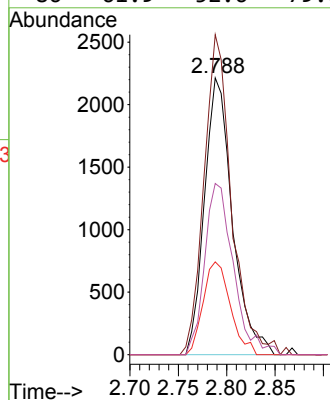
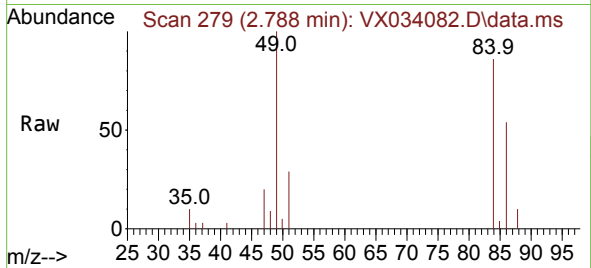




#20
Methylene Chloride
Concen: 3.625 ug/l
RT: 2.788 min Scan# 21
Delta R.T. 0.000 min
Lab File: VX034082.D
Acq: 08 Feb 2023 13:56

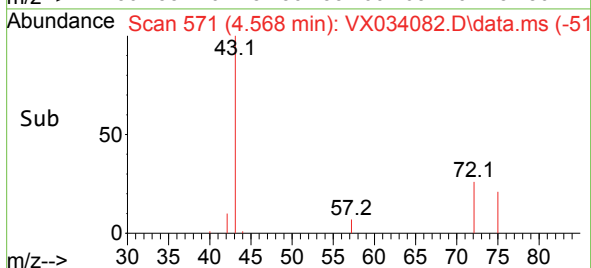
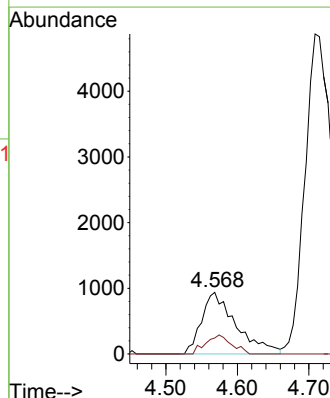
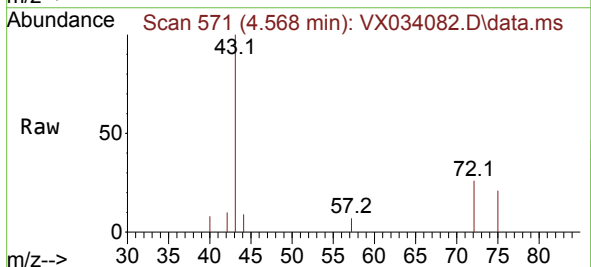
Instrument :
MSVOA_X
ClientSampleId :
TCLP-4

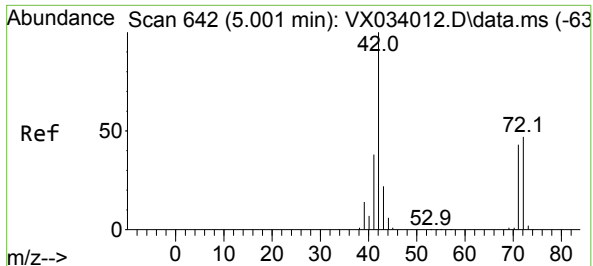
Tgt Ion: 84	Resp: 4447
Ion Ratio	Lower Upper
84 100	
49 115.6	101.1 151.7
51 33.5	31.0 46.6
86 61.9	52.6 79.0



#25
2-Butanone
Concen: 4.032 ug/l
RT: 4.568 min Scan# 571
Delta R.T. 0.018 min
Lab File: VX034082.D
Acq: 08 Feb 2023 13:56

Tgt Ion: 43	Resp: 3148
Ion Ratio	Lower Upper
43 100	
72 25.9	19.4 29.2





#29

Tetrahydrofuran

Concen: 0.264 ug/l

RT: 5.013 min Scan# 642

Delta R.T. 0.012 min

Lab File: VX034082.D

Acq: 08 Feb 2023 13:56

Instrument :

MSVOA_X

ClientSampleId :

TCLP-4

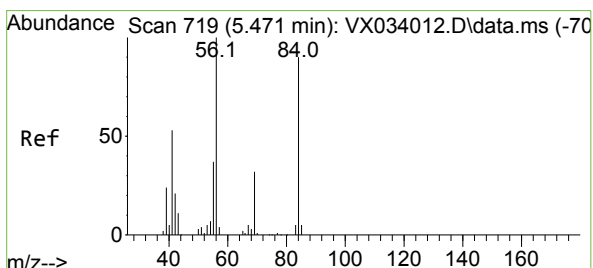
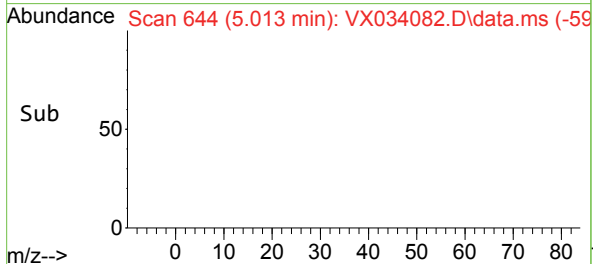
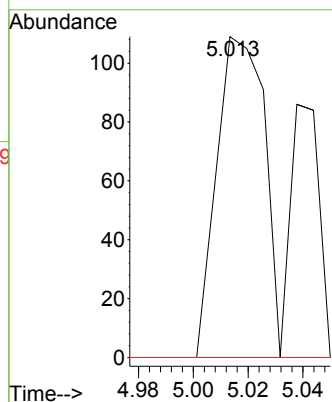
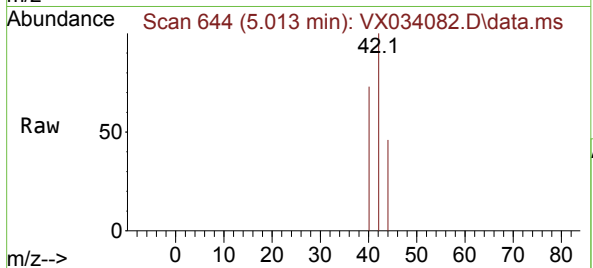
Tgt Ion: 42 Resp: 131

Ion Ratio Lower Upper

42 100

72 0.0 34.8 52.2#

71 0.0 32.2 48.2#



#31

Cyclohexane

Concen: 0.965 ug/l

RT: 5.538 min Scan# 730

Delta R.T. 0.067 min

Lab File: VX034082.D

Acq: 08 Feb 2023 13:56

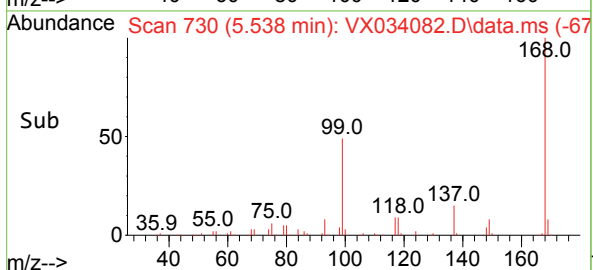
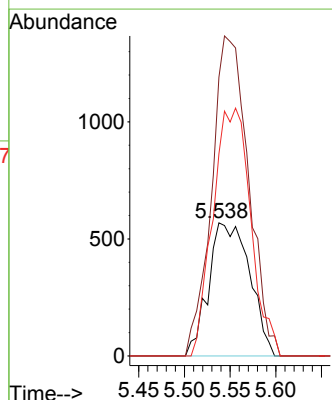
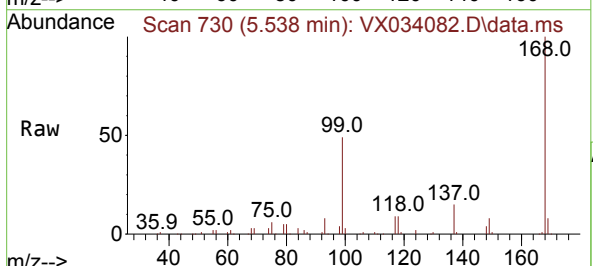
Tgt Ion: 56 Resp: 1785

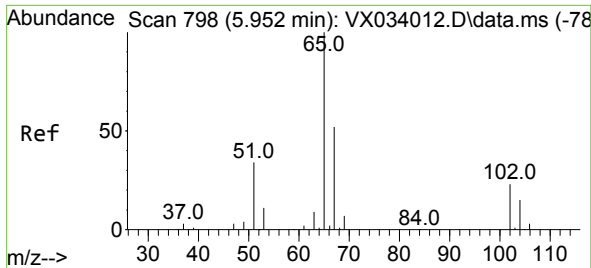
Ion Ratio Lower Upper

56 100

69 209.3 24.6 37.0#

84 151.7 71.0 106.6#

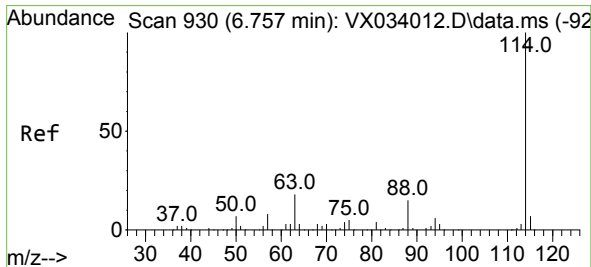
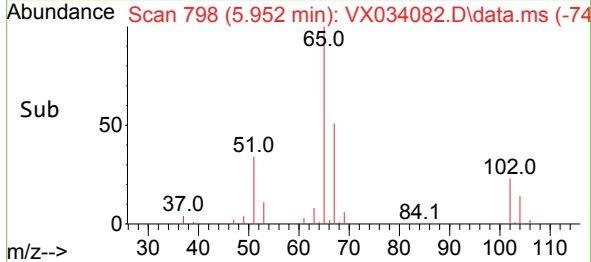
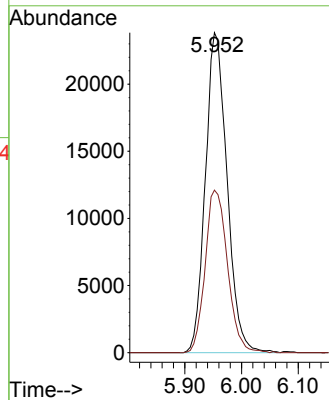
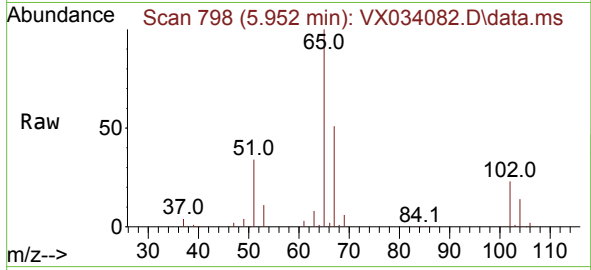




#33
 1,2-Dichloroethane-d4
 Concen: 49.887 ug/l
 RT: 5.952 min Scan# 798
 Delta R.T. 0.000 min
 Lab File: VX034082.D
 Acq: 08 Feb 2023 13:56

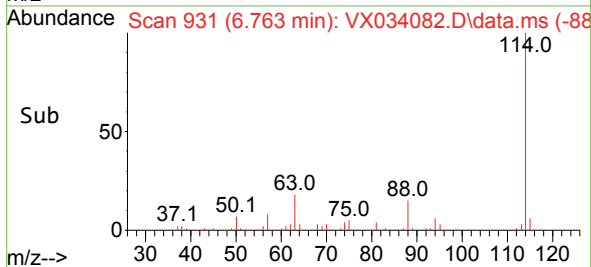
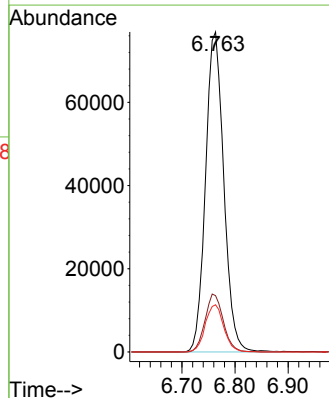
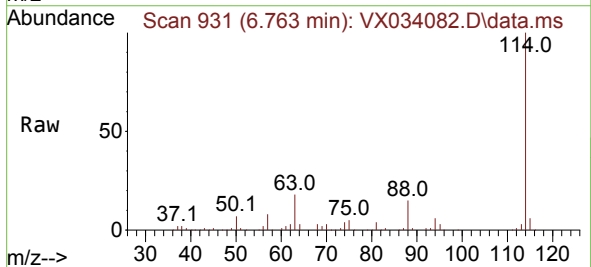
Instrument :
 MSVOA_X
 ClientSampleId :
 TCLP-4

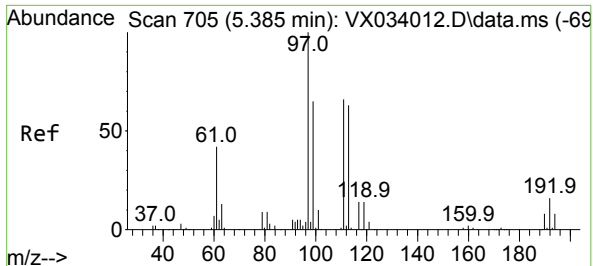
Tgt Ion: 65 Resp: 63338
 Ion Ratio Lower Upper
 65 100
 67 52.4 0.0 104.8



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.763 min Scan# 931
 Delta R.T. 0.006 min
 Lab File: VX034082.D
 Acq: 08 Feb 2023 13:56

Tgt Ion: 114 Resp: 183597
 Ion Ratio Lower Upper
 114 100
 63 17.6 0.0 37.4
 88 14.8 0.0 30.6

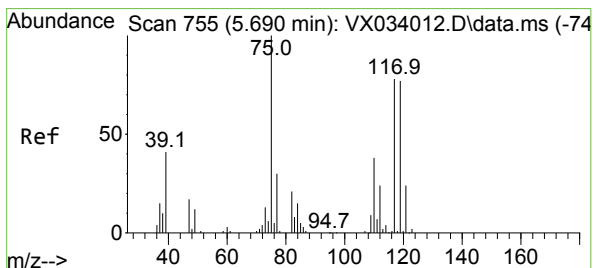
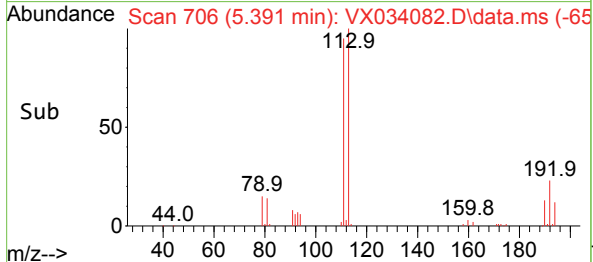
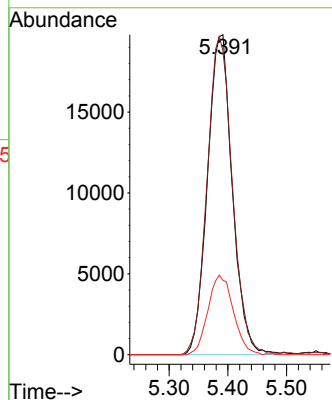
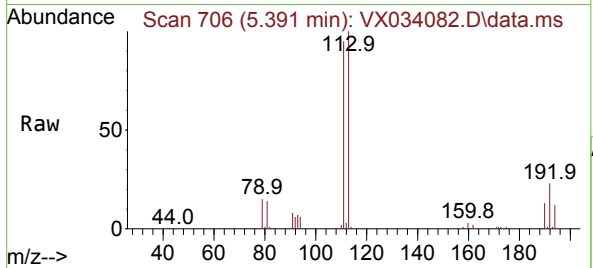




#35
Dibromofluoromethane
Concen: 49.566 ug/l
RT: 5.391 min Scan# 705
Delta R.T. 0.006 min
Lab File: VX034082.D
Acq: 08 Feb 2023 13:56

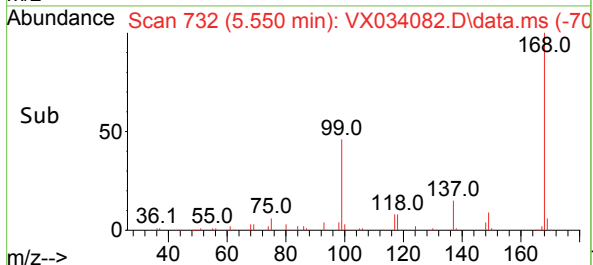
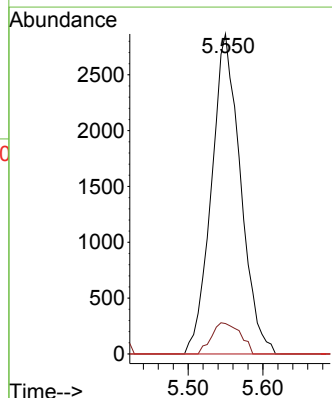
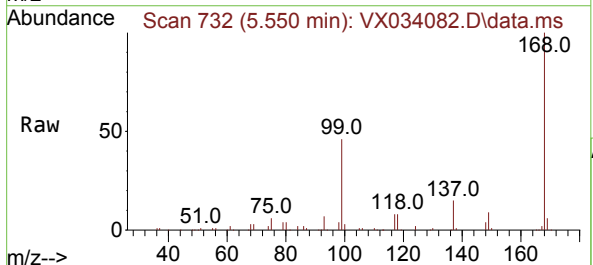
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ClientSampleId :
TCLP-4

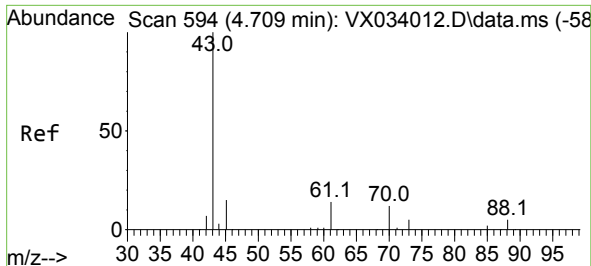
Tgt Ion:113 Resp: 57916
Ion Ratio Lower Upper
113 100
111 101.3 83.0 124.6
192 25.4 19.0 28.4



#36
1,1-Dichloropropene
Concen: 4.843 ug/l
RT: 5.550 min Scan# 732
Delta R.T. -0.140 min
Lab File: VX034082.D
Acq: 08 Feb 2023 13:56

Tgt Ion: 75 Resp: 7758
Ion Ratio Lower Upper
75 100
110 9.6 18.8 56.4#
77 0.0 25.1 37.7#





#37

Ethyl Acetate

Concen: 9.451 ug/l

RT: 4.709 min Scan# 594

Delta R.T. 0.000 min

Lab File: VX034082.D

Acq: 08 Feb 2023 13:56

Instrument :

MSVOA_X

ClientSampleId :

TCLP-4

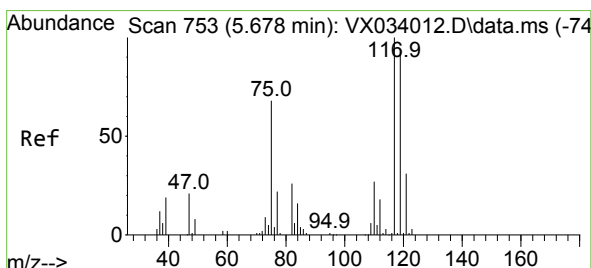
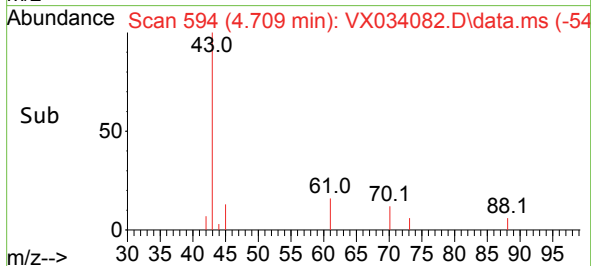
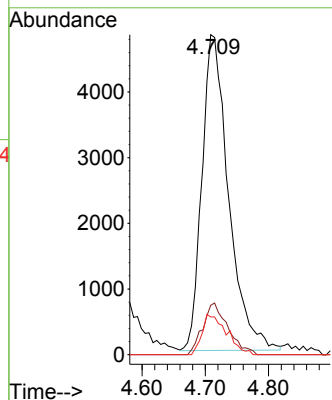
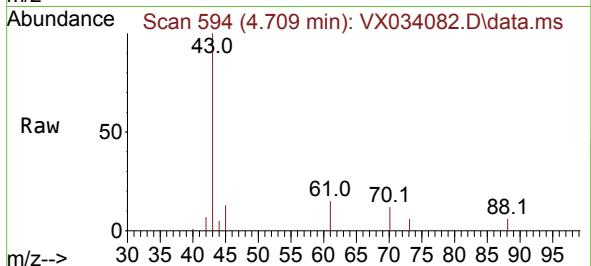
Tgt Ion: 43 Resp: 14105

Ion Ratio Lower Upper

43 100

61 15.5 11.1 16.7

70 11.7 8.5 12.7



#38

Carbon Tetrachloride

Concen: 6.536 ug/l

RT: 5.550 min Scan# 732

Delta R.T. -0.128 min

Lab File: VX034082.D

Acq: 08 Feb 2023 13:56

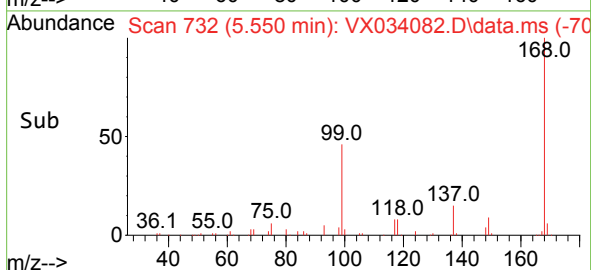
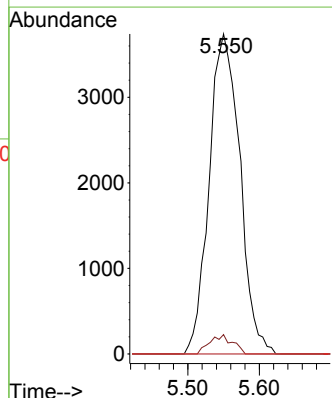
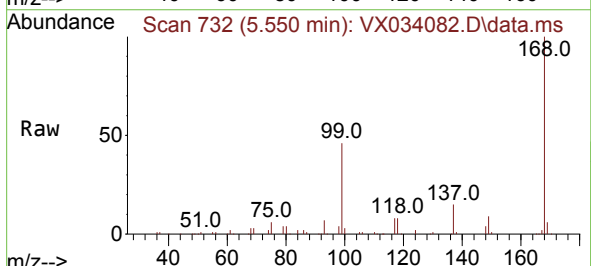
Tgt Ion: 117 Resp: 11168

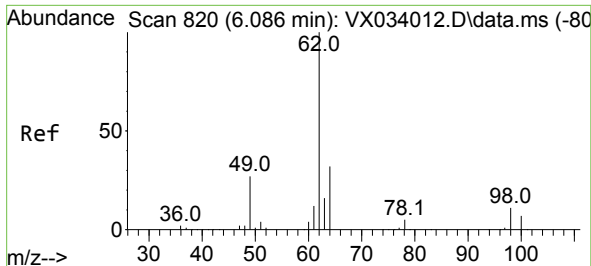
Ion Ratio Lower Upper

117 100

119 6.1 78.0 117.0#

121 0.0 24.4 36.6#





#42

1,2-Dichloroethane

Concen: 0.206 ug/l

RT: 6.336 min Scan# 801

Delta R.T. 0.250 min

Lab File: VX034082.D

Acq: 08 Feb 2023 13:56

Instrument :

MSVOA_X

ClientSampleId :

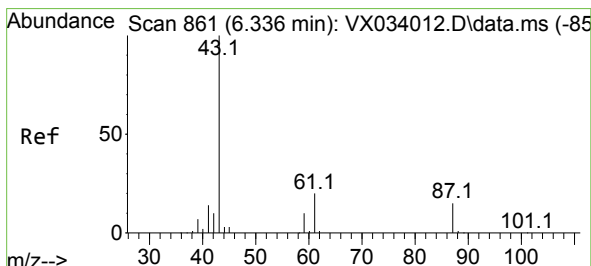
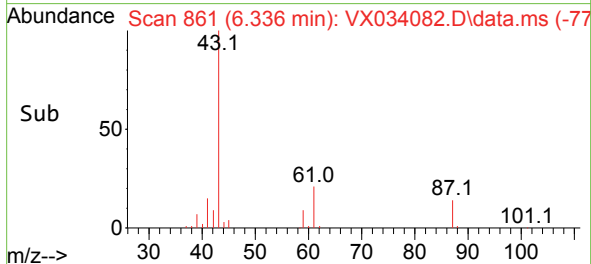
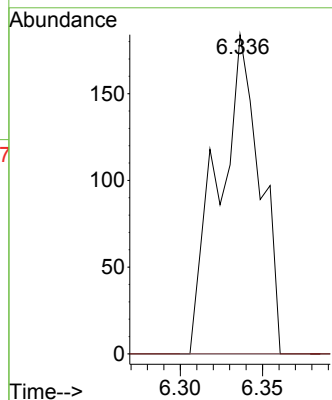
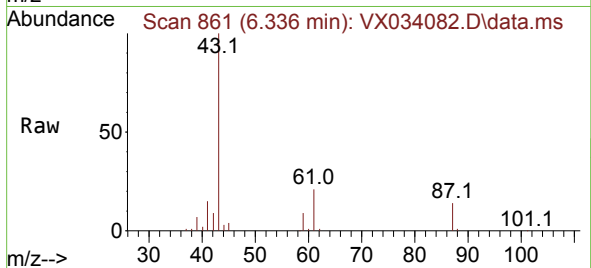
TCLP-4

Tgt Ion: 62 Resp: 324

Ion Ratio Lower Upper

62 100

98 0.0 0.0 20.2



#43

Isopropyl Acetate

Concen: 26.679 ug/l

RT: 6.336 min Scan# 861

Delta R.T. 0.000 min

Lab File: VX034082.D

Acq: 08 Feb 2023 13:56

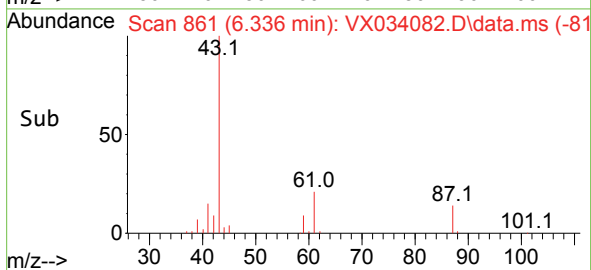
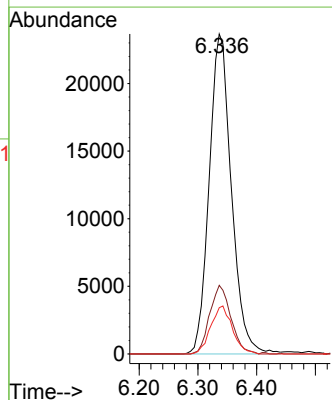
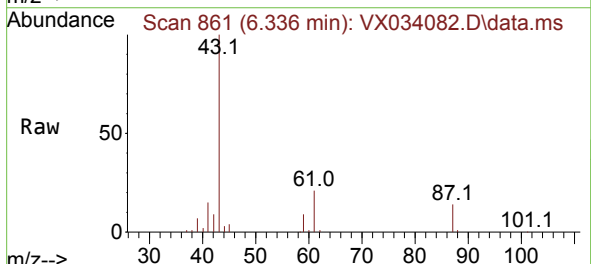
Tgt Ion: 43 Resp: 62094

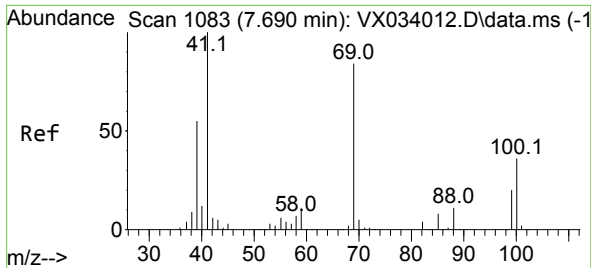
Ion Ratio Lower Upper

43 100

61 20.4 15.7 23.5

87 14.6 10.6 15.8

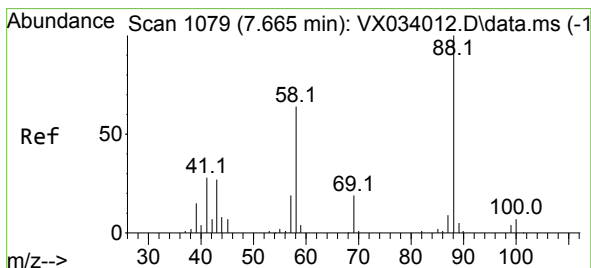
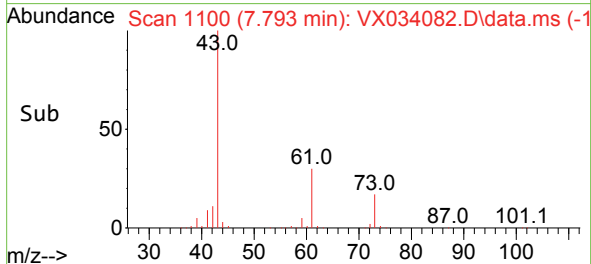
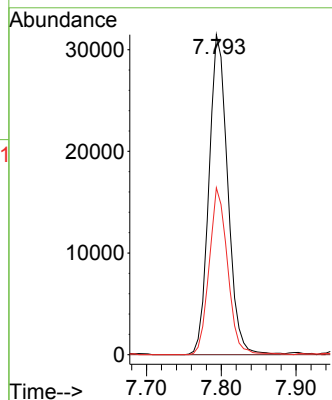
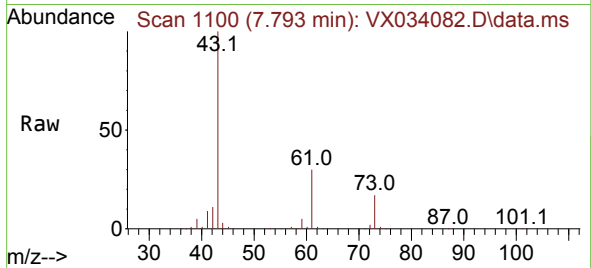




#48
Methyl methacrylate
Concen: 45.690 ug/l
RT: 7.793 min Scan# 1100
Delta R.T. 0.104 min
Lab File: VX034082.D
Acq: 08 Feb 2023 13:56

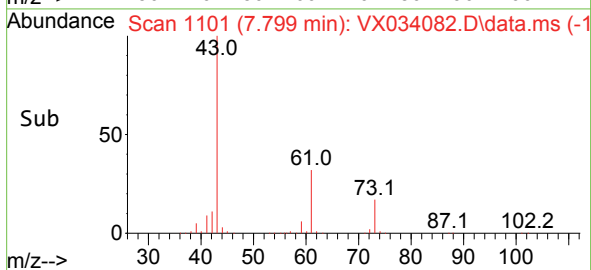
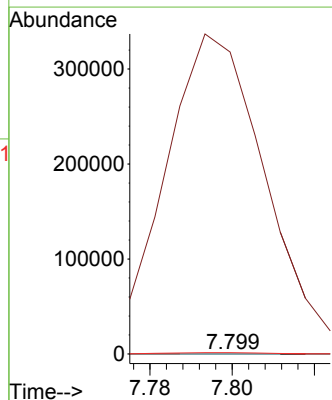
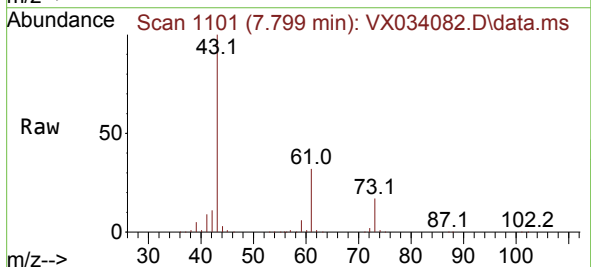
Instrument :
MSVOA_X
ClientSampleId :
TCLP-4

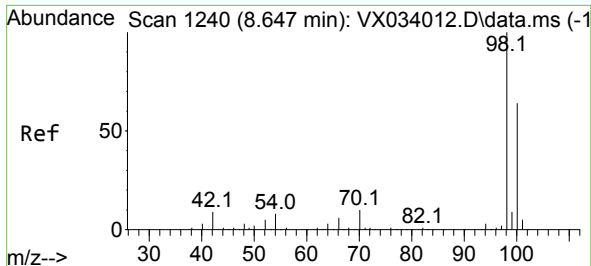
Tgt Ion: 41 Resp: 54905
Ion Ratio Lower Upper
41 100
69 0.0 63.1 94.7#
39 51.3 43.2 64.8



#49
1,4-Dioxane
Concen: 1.124 ug/l
RT: 7.799 min Scan# 1101
Delta R.T. 0.134 min
Lab File: VX034082.D
Acq: 08 Feb 2023 13:56

Tgt Ion: 88 Resp: 26
Ion Ratio Lower Upper
88 100
43 2268984.6 0.0 0.0#
58 9500.0 56.5 84.7#

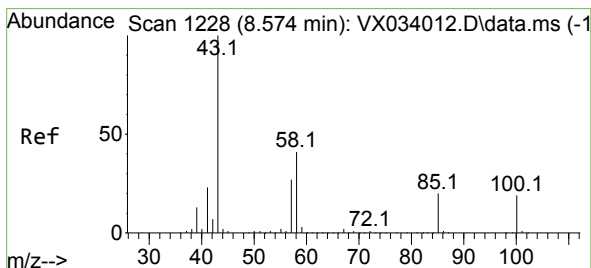
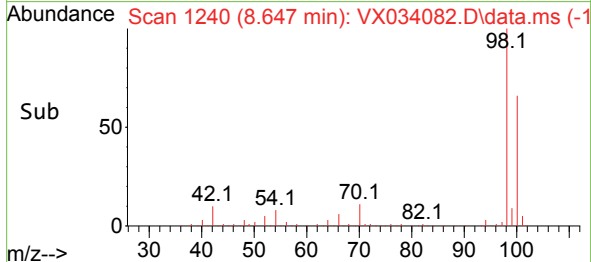
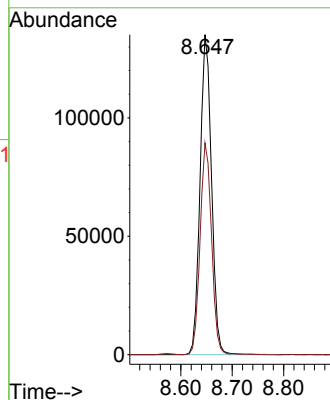
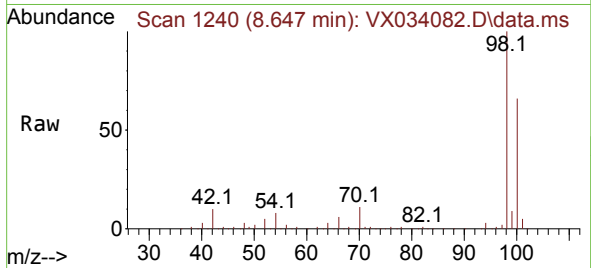




#50
Toluene-d8
Concen: 49.720 ug/l
RT: 8.647 min Scan# 11
Delta R.T. 0.000 min
Lab File: VX034082.D
Acq: 08 Feb 2023 13:56

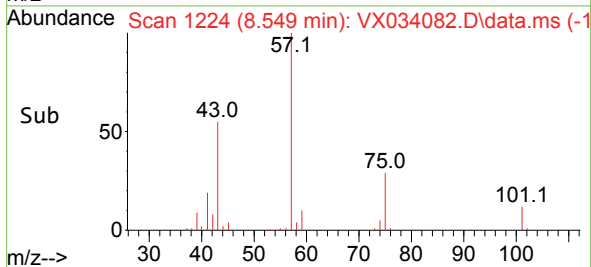
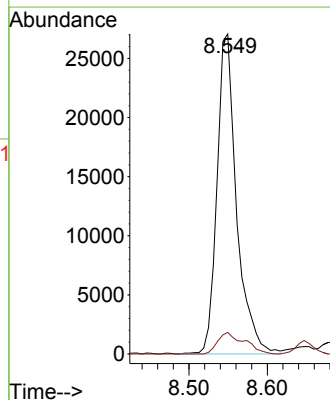
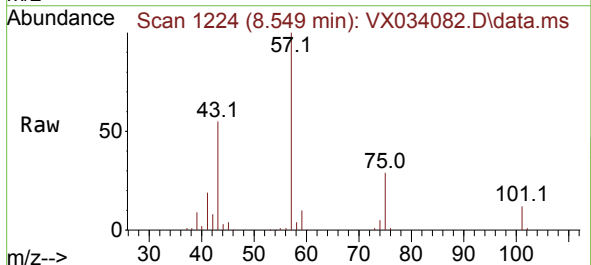
Instrument :
MSVOA_X
ClientSampleId :
TCLP-4

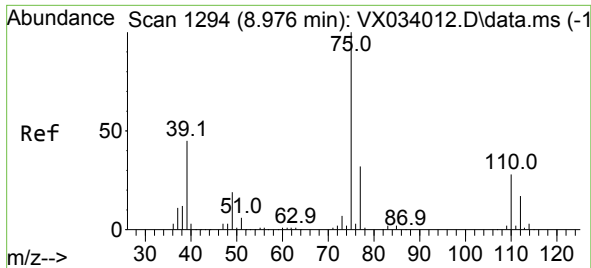
Tgt Ion: 98 Resp: 209316
Ion Ratio Lower Upper
98 100
100 66.3 53.6 80.4



#51
4-Methyl-2-Pentanone
Concen: 32.317 ug/l
RT: 8.549 min Scan# 1224
Delta R.T. -0.024 min
Lab File: VX034082.D
Acq: 08 Feb 2023 13:56

Tgt Ion: 43 Resp: 47180
Ion Ratio Lower Upper
43 100
58 9.1 31.2 46.8#

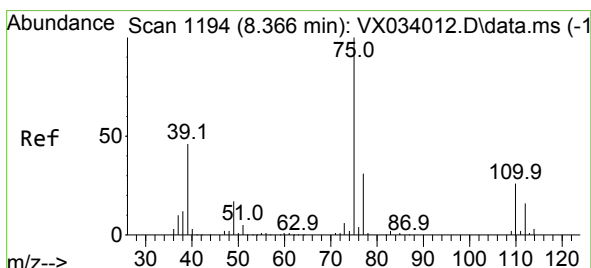
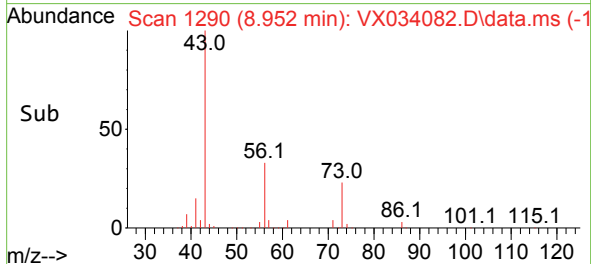
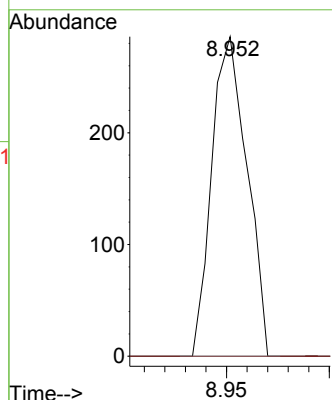
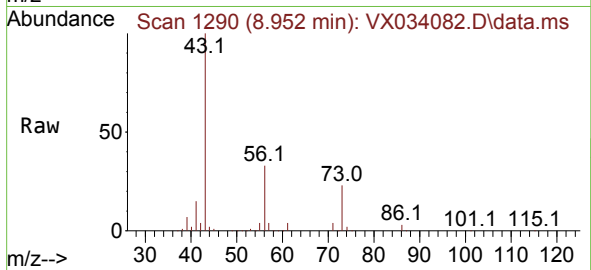




#53
 t-1,3-Dichloropropene
 Concen: 0.218 ug/l
 RT: 8.952 min Scan# 11
 Delta R.T. -0.024 min
 Lab File: VX034082.D
 Acq: 08 Feb 2023 13:56

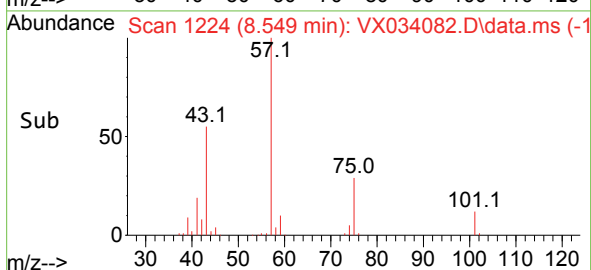
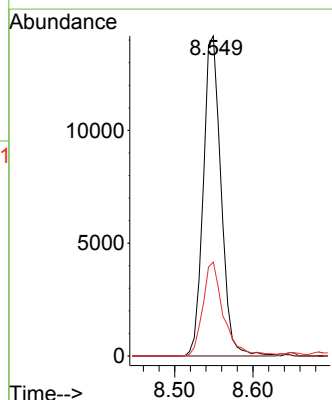
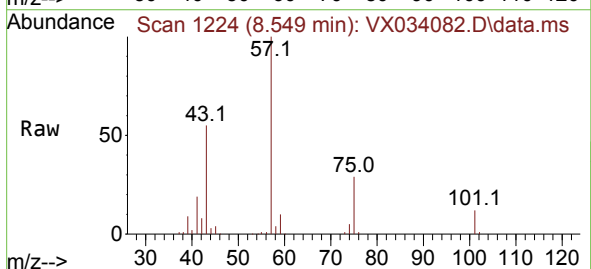
Instrument :
 MSVOA_X
 ClientSampleId :
 TCLP-4

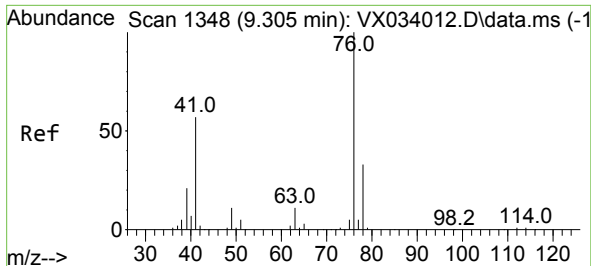
Tgt Ion: 75 Resp: 341
 Ion Ratio Lower Upper
 75 100
 77 0.0 25.5 38.3#



#54
 cis-1,3-Dichloropropene
 Concen: 12.540 ug/l
 RT: 8.549 min Scan# 1224
 Delta R.T. 0.183 min
 Lab File: VX034082.D
 Acq: 08 Feb 2023 13:56

Tgt Ion: 75 Resp: 22284
 Ion Ratio Lower Upper
 75 100
 77 0.0 25.0 37.6#
 39 29.4 38.6 58.0#





#57

1,3-Dichloropropane

Concen: 1.481 ug/l

RT: 9.482 min Scan# 1377

Delta R.T. 0.177 min

Lab File: VX034082.D

Acq: 08 Feb 2023 13:56

Instrument :

MSVOA_X

ClientSampleId :

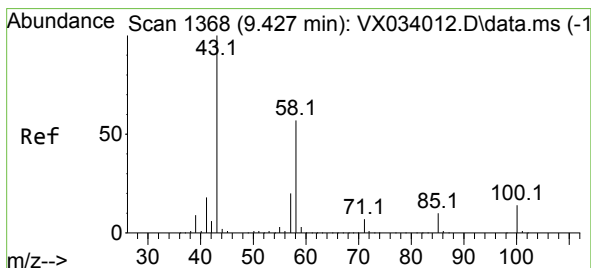
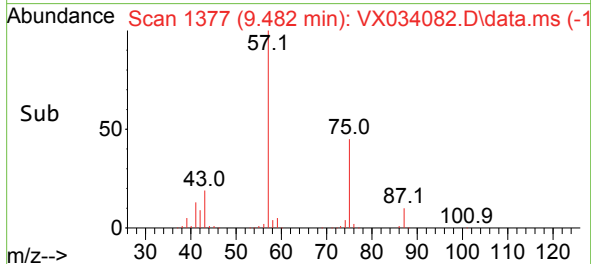
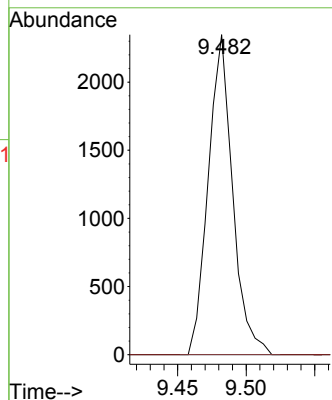
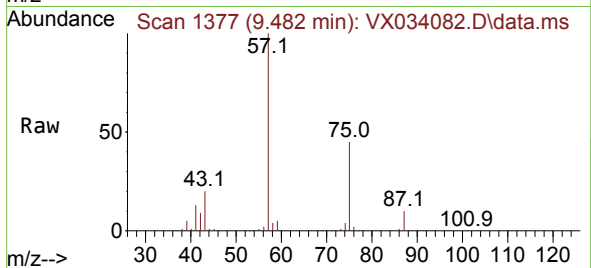
TCLP-4

Tgt Ion: 76 Resp: 2902

Ion Ratio Lower Upper

76 100

78 0.0 25.6 38.4#



#59

2-Hexanone

Concen: 36.505 ug/l

RT: 9.482 min Scan# 1377

Delta R.T. 0.055 min

Lab File: VX034082.D

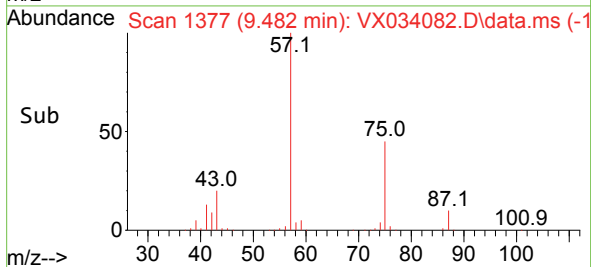
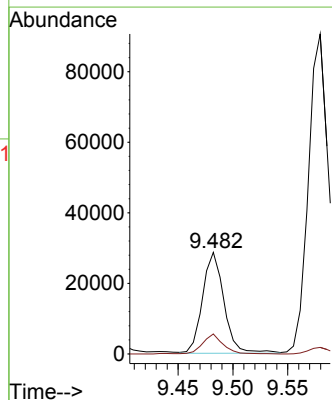
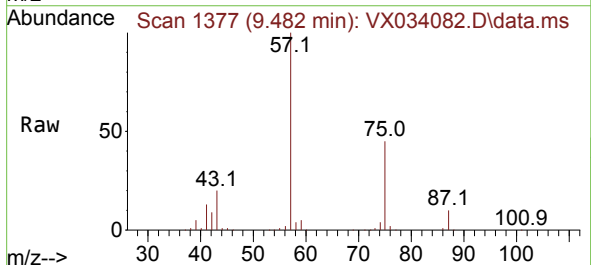
Acq: 08 Feb 2023 13:56

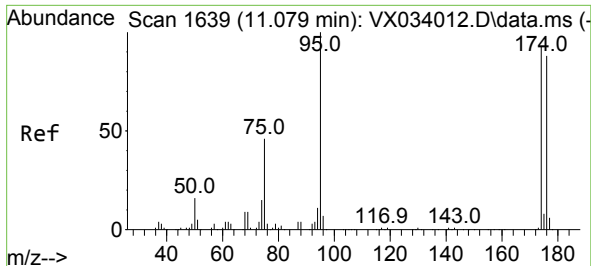
Tgt Ion: 43 Resp: 39001

Ion Ratio Lower Upper

43 100

58 18.7 27.4 82.0#

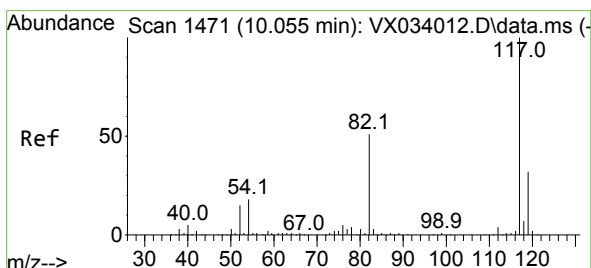
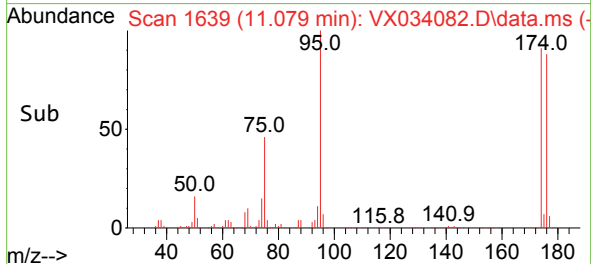
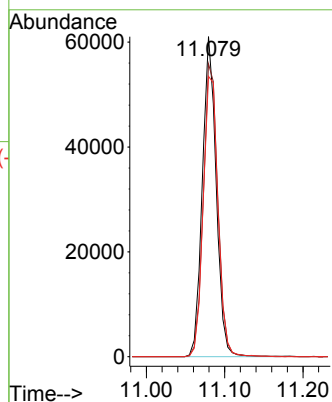
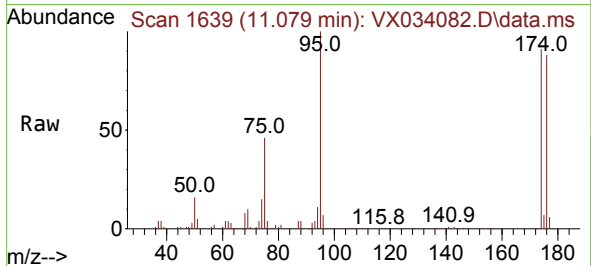




#62
4-Bromofluorobenzene
Concen: 49.690 ug/l
RT: 11.079 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX034082.D
Acq: 08 Feb 2023 13:56

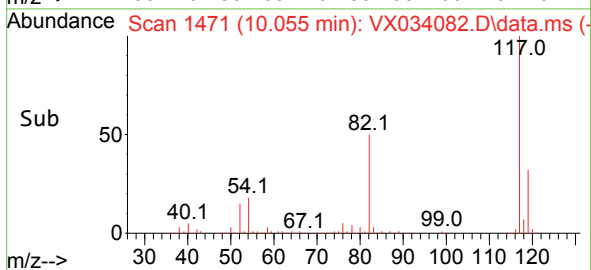
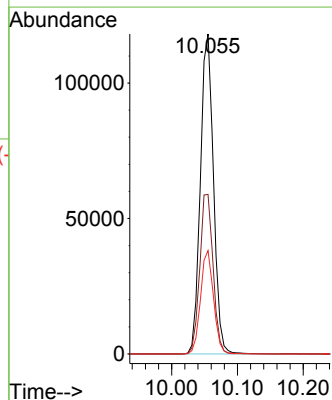
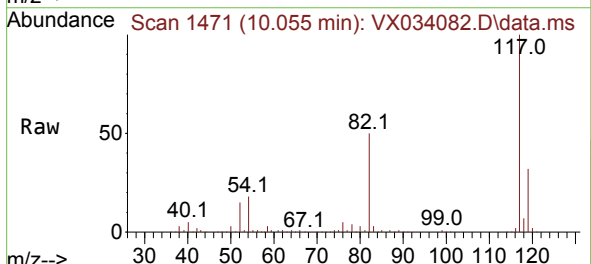
Instrument :
MSVOA_X
ClientSampleId :
TCLP-4

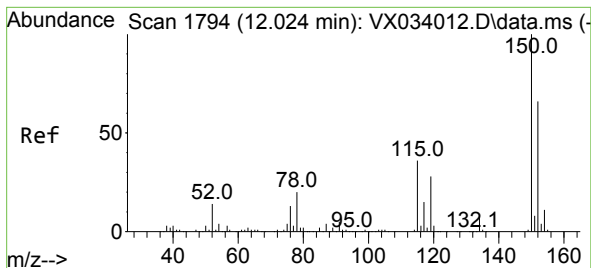
Tgt Ion: 95 Resp: 74714
Ion Ratio Lower Upper
95 100
174 96.6 0.0 184.4
176 94.2 0.0 178.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. 0.000 min
Lab File: VX034082.D
Acq: 08 Feb 2023 13:56

Tgt Ion: 117 Resp: 163188
Ion Ratio Lower Upper
117 100
82 49.9 40.6 60.8
119 32.3 25.6 38.4





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.024 min Scan# 1

Delta R.T. 0.000 min

Lab File: VX034082.D

Acq: 08 Feb 2023 13:56

Instrument :

MSVOA_X

ClientSampleId :

TCLP-4

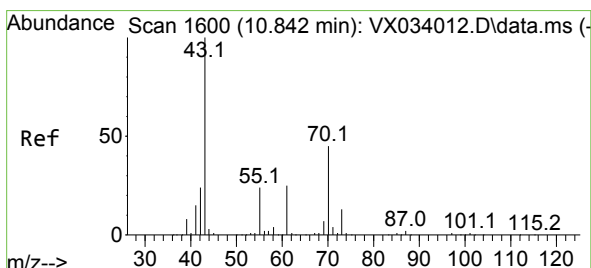
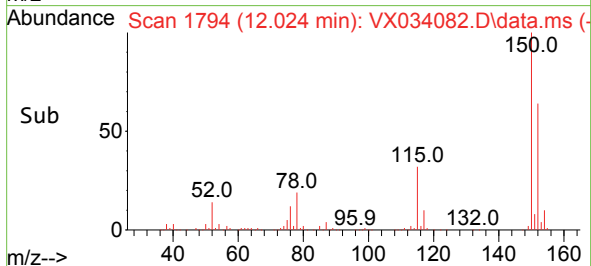
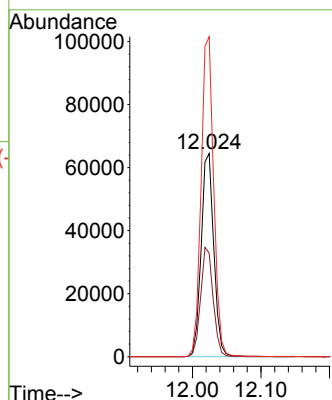
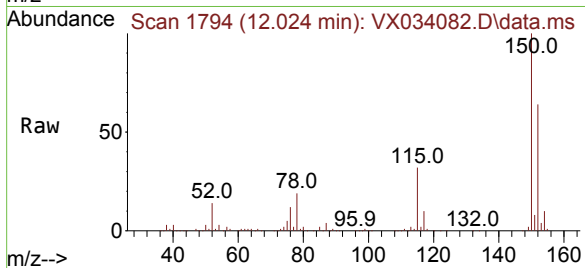
Tgt Ion:152 Resp: 82842

Ion Ratio Lower Upper

152 100

115 53.3 38.7 116.1

150 157.0 0.0 348.2



#74

N-ethyl acetate

Concen: 6.787 ug/l

RT: 10.640 min Scan# 1567

Delta R.T. -0.201 min

Lab File: VX034082.D

Acq: 08 Feb 2023 13:56

Tgt Ion: 43 Resp: 12379

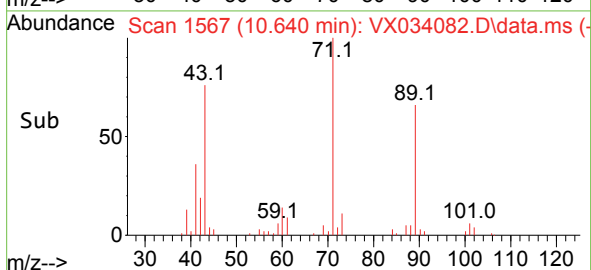
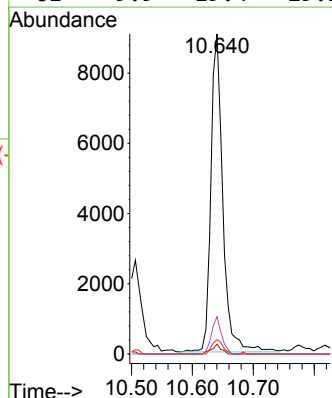
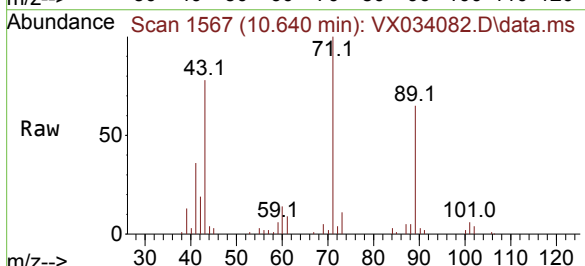
Ion Ratio Lower Upper

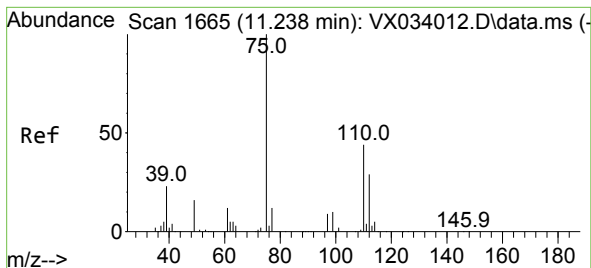
43 100

70 2.4 34.8 52.2#

55 4.1 19.4 29.0#

61 9.9 19.4 29.2#





#76

1,2,3-Trichloropropane

Concen: 24.441 ug/l

RT: 11.079 min Scan# 1639

Delta R.T. -0.158 min

Lab File: VX034082.D

Acq: 08 Feb 2023 13:56

Instrument :

MSVOA_X

ClientSampleId :

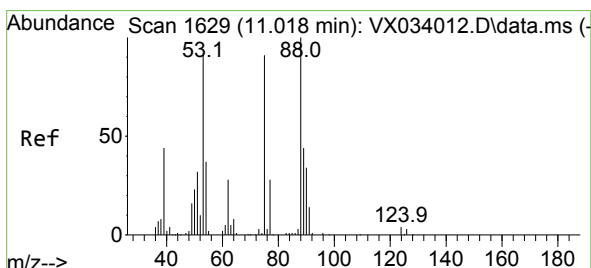
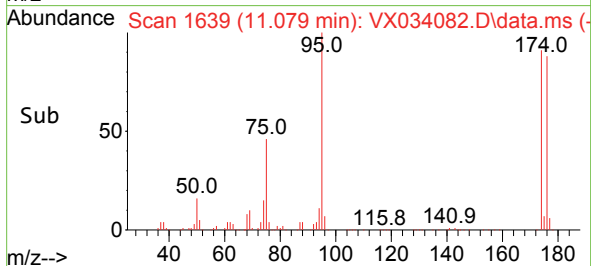
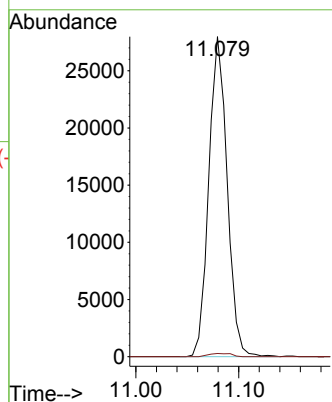
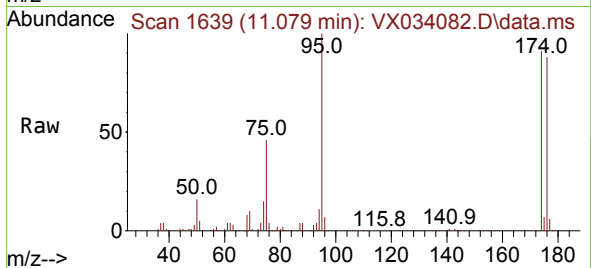
TCLP-4

Tgt Ion: 75 Resp: 34767

Ion Ratio Lower Upper

75 100

77 1.3 21.8 65.4#



#81

trans-1,4-Dichloro-2-butene

Concen: 75.271 ug/l

RT: 11.079 min Scan# 1639

Delta R.T. 0.061 min

Lab File: VX034082.D

Acq: 08 Feb 2023 13:56

Tgt Ion: 75 Resp: 34767

Ion Ratio Lower Upper

75 100

53 0.0 83.0 124.6#

89 0.0 37.7 56.5#

