

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX012323\
 Data File : VX033856.D
 Acq On : 23 Jan 2023 17:52
 Operator : JC/MD
 Sample : 01251-10
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 TCLP-2

Quant Time: Jan 24 00:45:27 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)

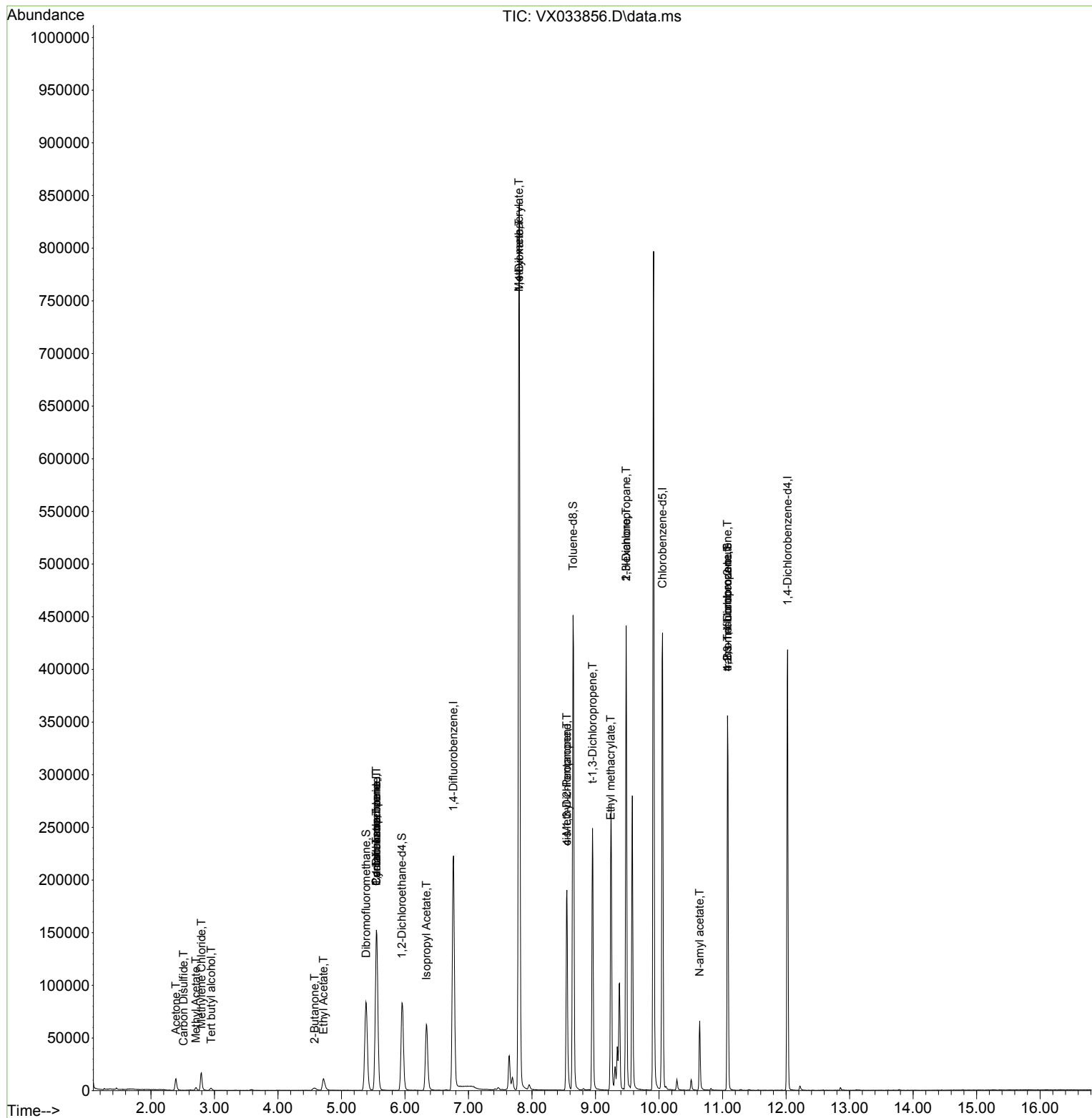
Internal Standards						
1) Pentafluorobenzene	5.550	168	163652	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.763	114	241648	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	210422	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	98171	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.952	65	81029	47.025	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery =	94.060%		
35) Dibromofluoromethane	5.385	113	73960	49.290	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	98.580%		
50) Toluene-d8	8.647	98	276803	50.630	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery =	101.260%		
62) 4-Bromofluorobenzene	11.079	95	92282	45.463	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery =	90.920%		
Target Compounds						Qvalue
11) Tert butyl alcohol	2.946	59	1281	4.279	ug/l #	86
16) Acetone	2.392	43	14186	10.801	ug/l	94
17) Carbon Disulfide	2.514	76	130	1.859	ug/l #	76
18) Methyl Acetate	2.709	43	3247	1.350	ug/l	98
20) Methylene Chloride	2.794	84	8475	3.318	ug/l	96
25) 2-Butanone	4.574	43	624	0.554	ug/l #	89
31) Cyclohexane	5.550	56	2428	0.958	ug/l #	1
36) 1,1-Dichloropropene	5.550	75	9804	4.477	ug/l #	50
37) Ethyl Acetate	4.714	43	19544	6.889	ug/l	97
38) Carbon Tetrachloride	5.550	117	14248	6.282	ug/l #	16
43) Isopropyl Acetate	6.336	43	88378	25.563	ug/l	98
48) Methyl methacrylate	7.793	41	71783	41.219	ug/l #	44
49) 1,4-Dioxane	7.799	88	75	1.947	ug/l #	1
51) 4-Methyl-2-Pentanone	8.549	43	66139	31.150	ug/l #	50
53) t-1,3-Dichloropropene	8.951	75	526	0.244	ug/l #	43
54) cis-1,3-Dichloropropene	8.549	75	32088	13.304	ug/l #	59
56) Ethyl methacrylate	9.238	69	492	0.214	ug/l #	1
57) 1,3-Dichloropropane	9.482	76	3828	1.447	ug/l #	43
59) 2-Hexanone	9.482	43	53245	36.030	ug/l #	51
73) Isopropylbenzene	11.079	105	53	Below Cal	#	48
74) N-amyl acetate	10.640	43	17352	6.731	ug/l #	51
76) 1,2,3-Trichloropropane	11.079	75	43201	23.951	ug/l #	34
81) trans-1,4-Dichloro-2-b...	11.079	75	43201	74.436	ug/l #	8

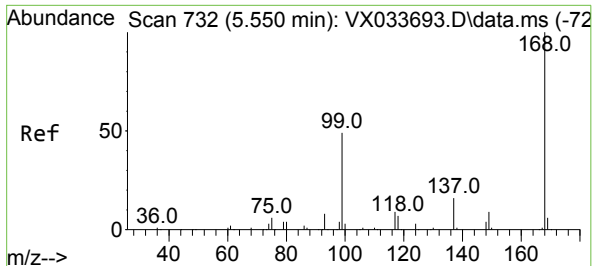
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
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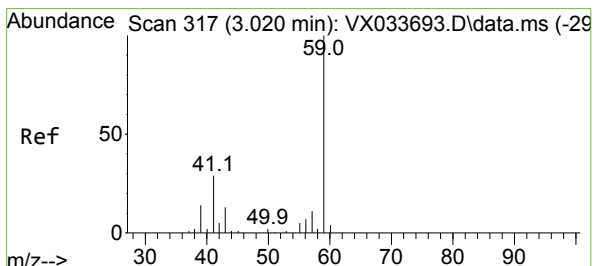
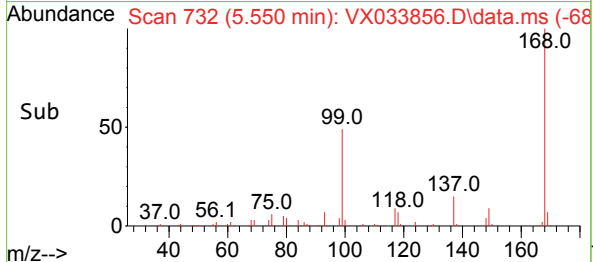
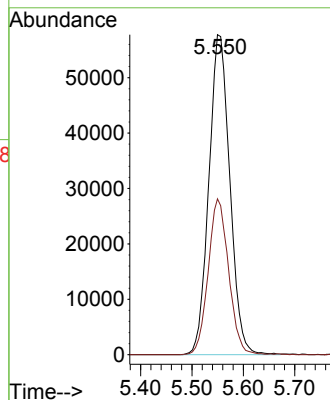
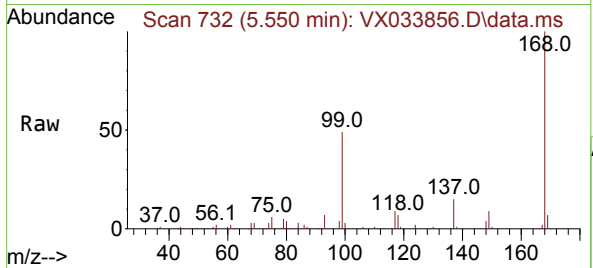




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.550 min Scan# 71
Delta R.T. -0.000 min
Lab File: VX033856.D
Acq: 23 Jan 2023 17:52

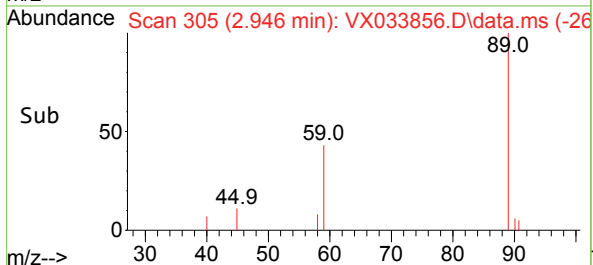
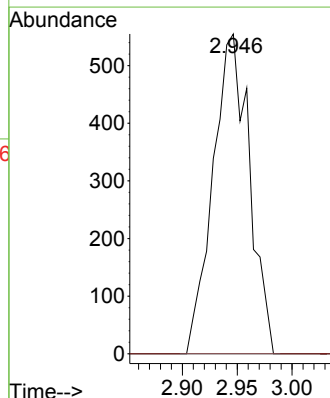
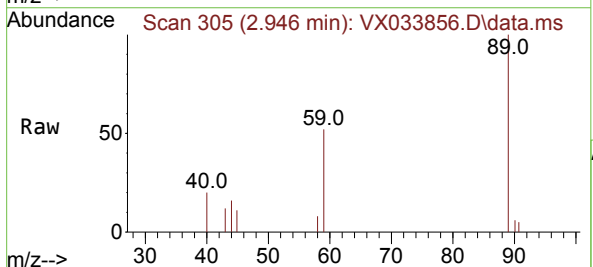
Instrument :
MSVOA_X
ClientSampleId :
TCLP-2

Tgt Ion:168 Resp: 163652
Ion Ratio Lower Upper
168 100
99 48.7 39.6 59.4



#11
Tert butyl alcohol
Concen: 4.279 ug/l
RT: 2.946 min Scan# 305
Delta R.T. -0.073 min
Lab File: VX033856.D
Acq: 23 Jan 2023 17:52

Tgt Ion: 59 Resp: 1281
Ion Ratio Lower Upper
59 100
57 0.0 3.7 5.5#

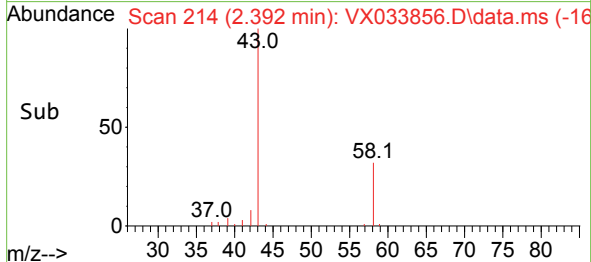
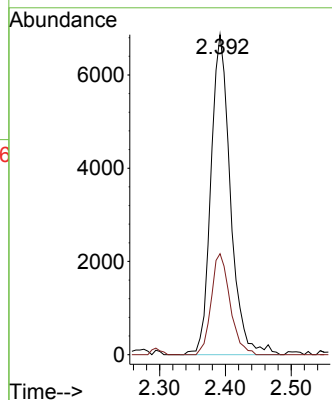
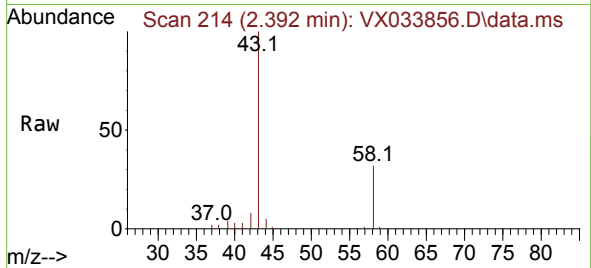




#16
Acetone
Concen: 10.801 ug/l
RT: 2.392 min Scan# 215
Delta R.T. -0.006 min
Lab File: VX033856.D
Acq: 23 Jan 2023 17:52

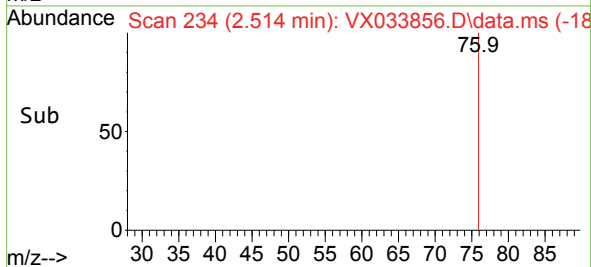
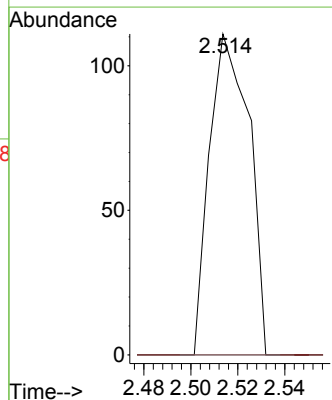
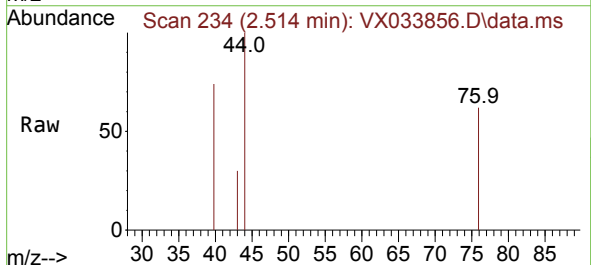
Instrument :
MSVOA_X
ClientSampleId :
TCLP-2

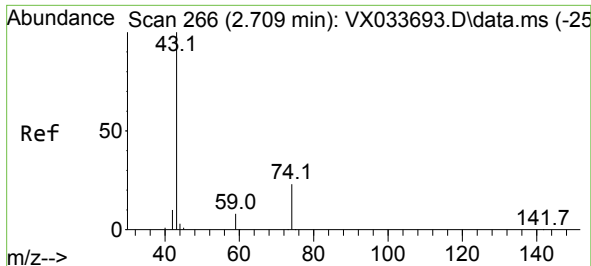
Tgt Ion: 43 Resp: 14186
Ion Ratio Lower Upper
43 100
58 31.5 22.6 33.8



#17
Carbon Disulfide
Concen: 1.859 ug/l
RT: 2.514 min Scan# 234
Delta R.T. -0.000 min
Lab File: VX033856.D
Acq: 23 Jan 2023 17:52

Tgt Ion: 76 Resp: 130
Ion Ratio Lower Upper
76 100
78 0.0 7.0 10.6#

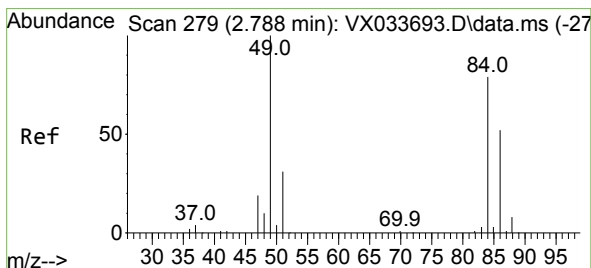
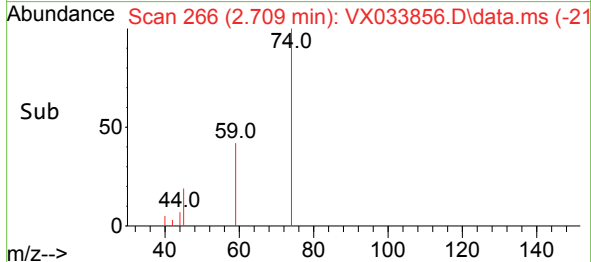
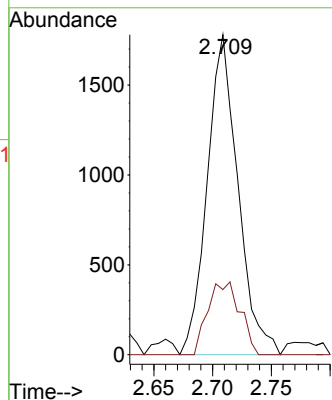
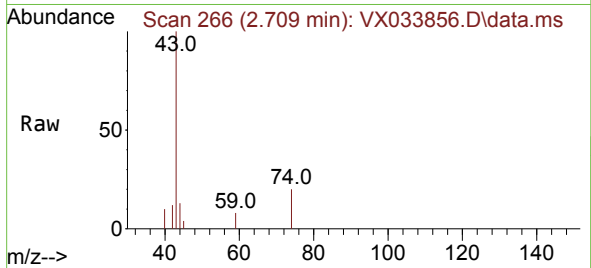




#18
Methyl Acetate
Concen: 1.350 ug/l
RT: 2.709 min Scan# 218
Delta R.T. -0.000 min
Lab File: VX033856.D
Acq: 23 Jan 2023 17:52

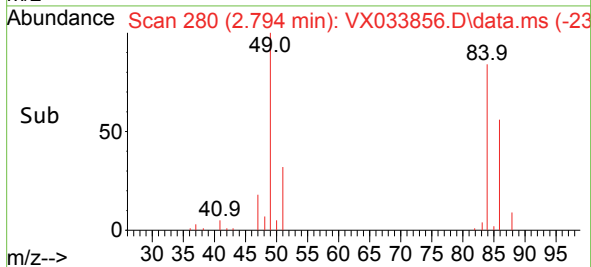
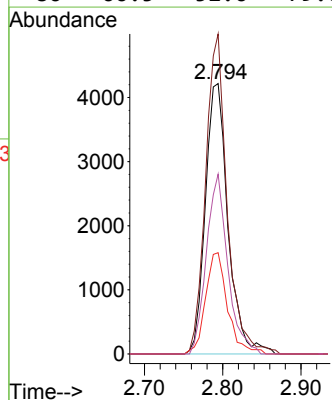
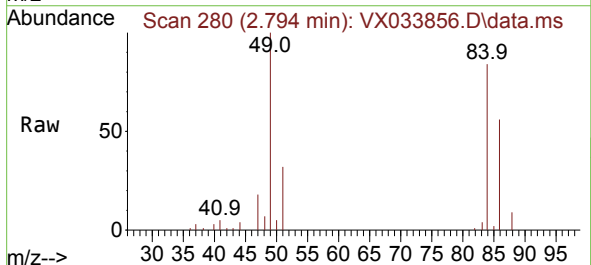
Instrument :
MSVOA_X
ClientSampleId :
TCLP-2

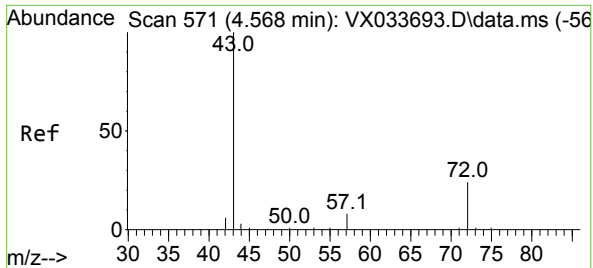
Tgt Ion: 43 Resp: 3247
Ion Ratio Lower Upper
43 100
74 23.8 18.2 27.4



#20
Methylene Chloride
Concen: 3.318 ug/l
RT: 2.794 min Scan# 280
Delta R.T. 0.006 min
Lab File: VX033856.D
Acq: 23 Jan 2023 17:52

Tgt Ion: 84 Resp: 8475
Ion Ratio Lower Upper
84 100
49 118.3 101.1 151.7
51 37.5 31.0 46.6
86 66.5 52.6 79.0

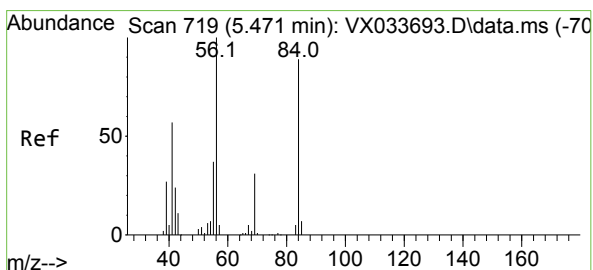
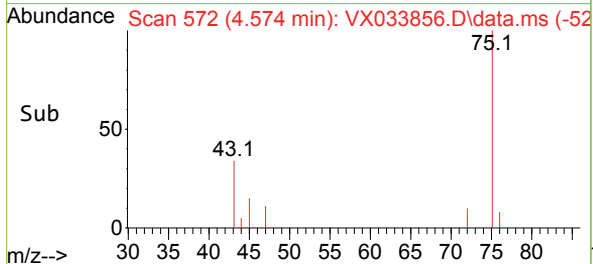
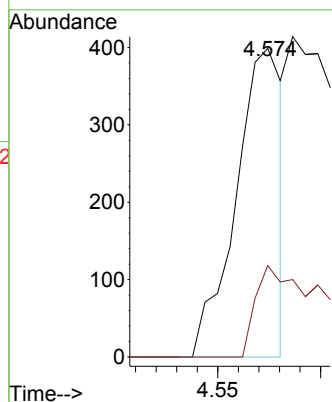
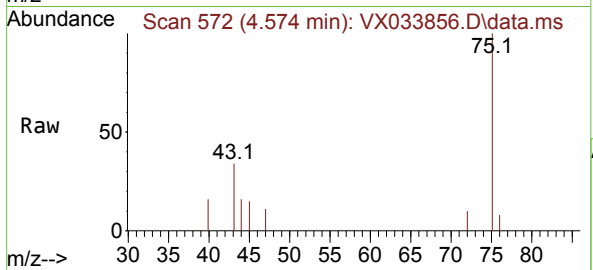




#25
2-Butanone
Concen: 0.554 ug/l
RT: 4.574 min Scan# 51
Delta R.T. 0.006 min
Lab File: VX033856.D
Acq: 23 Jan 2023 17:52

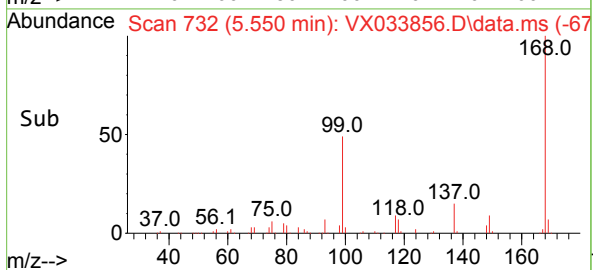
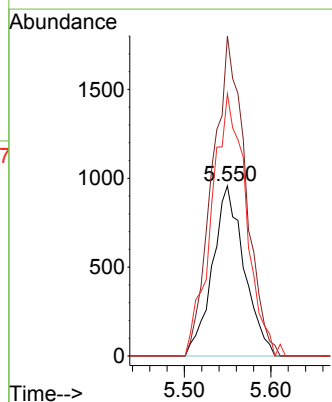
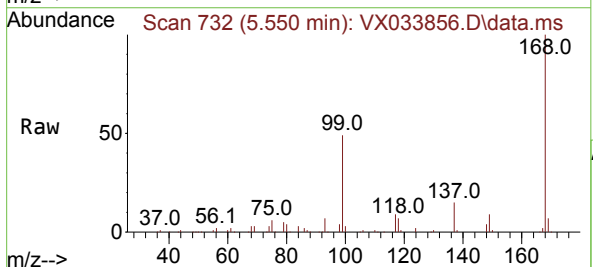
Instrument :
MSVOA_X
ClientSampleId :
TCLP-2

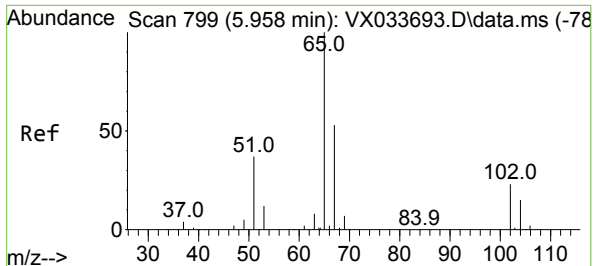
Tgt Ion: 43 Resp: 624
Ion Ratio Lower Upper
43 100
72 29.6 19.4 29.2#



#31
Cyclohexane
Concen: 0.958 ug/l
RT: 5.550 min Scan# 732
Delta R.T. 0.079 min
Lab File: VX033856.D
Acq: 23 Jan 2023 17:52

Tgt Ion: 56 Resp: 2428
Ion Ratio Lower Upper
56 100
69 188.2 24.6 37.0#
84 154.1 71.0 106.6#





#33

1,2-Dichloroethane-d4

Concen: 47.025 ug/l

RT: 5.952 min Scan# 799

Delta R.T. -0.006 min

Lab File: VX033856.D

Acq: 23 Jan 2023 17:52

Instrument :

MSVOA_X

ClientSampleId :

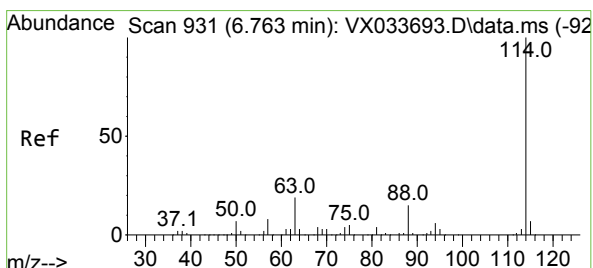
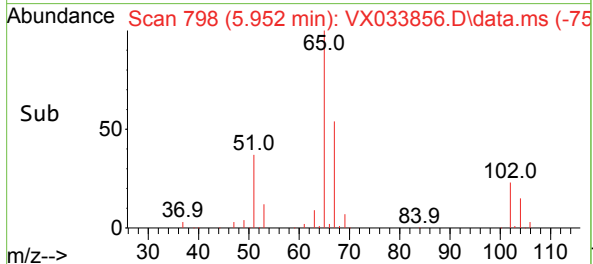
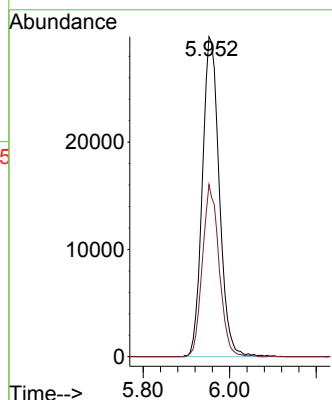
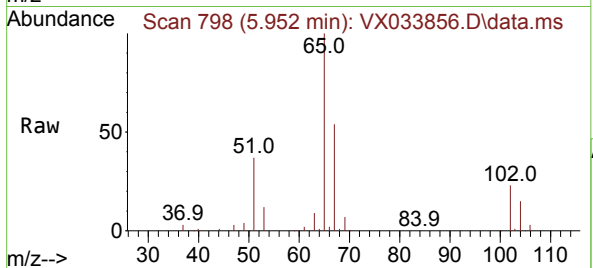
TCLP-2

Tgt Ion: 65 Resp: 81029

Ion Ratio Lower Upper

65 100

67 52.7 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: VX033856.D

Acq: 23 Jan 2023 17:52

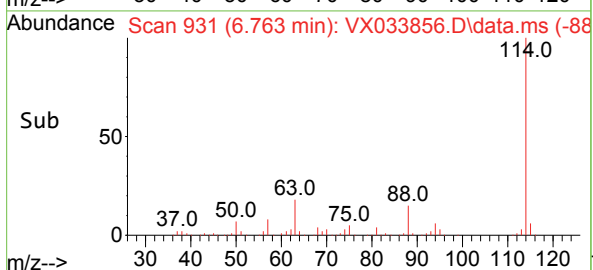
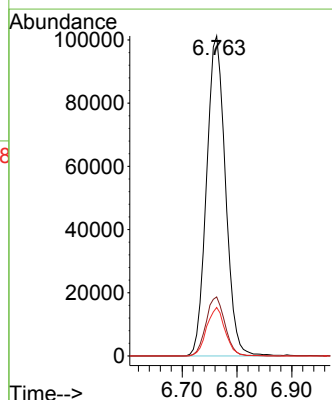
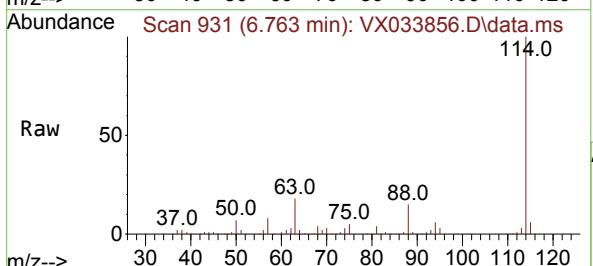
Tgt Ion:114 Resp: 241648

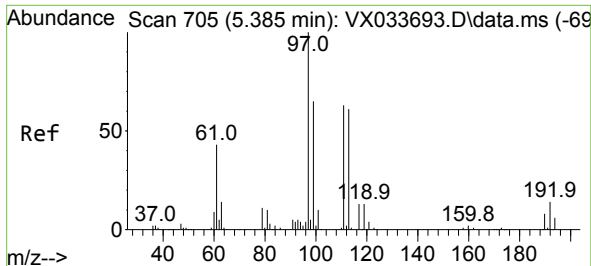
Ion Ratio Lower Upper

114 100

63 18.4 0.0 37.4

88 15.2 0.0 30.6

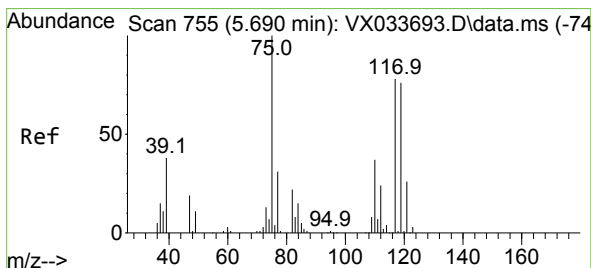
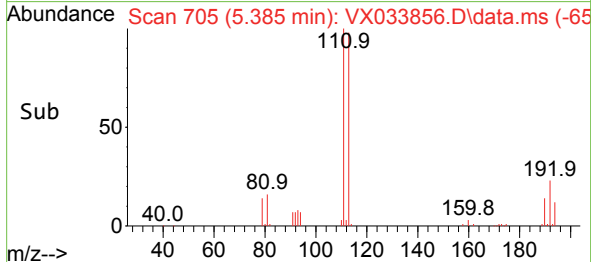
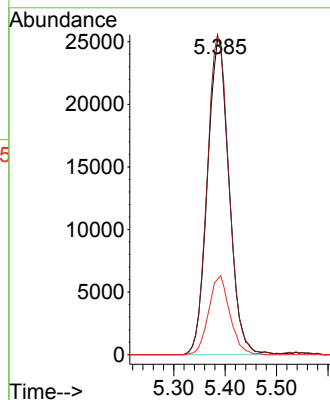
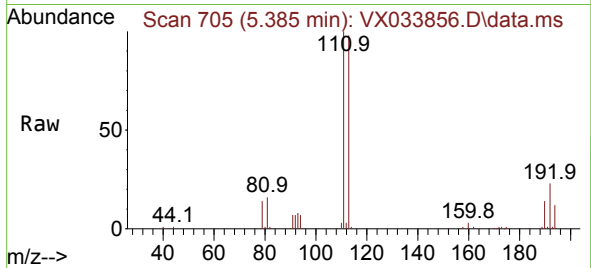




#35
Dibromofluoromethane
Concen: 49.290 ug/l
RT: 5.385 min Scan# 705
Delta R.T. -0.000 min
Lab File: VX033856.D
Acq: 23 Jan 2023 17:52

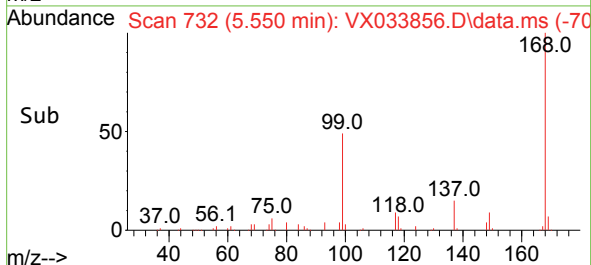
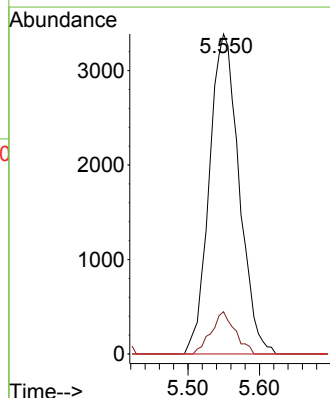
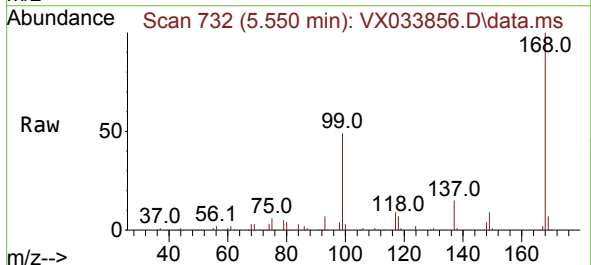
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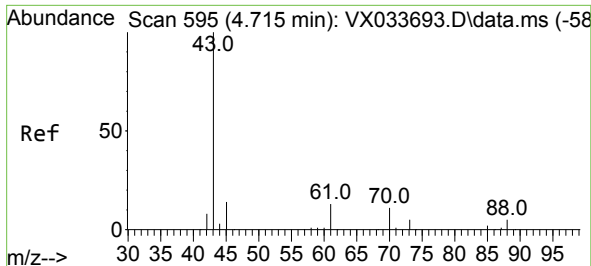
Tgt Ion:113 Resp: 73960
Ion Ratio Lower Upper
113 100
111 102.1 83.0 124.6
192 24.3 19.0 28.4



#36
1,1-Dichloropropene
Concen: 4.477 ug/l
RT: 5.550 min Scan# 732
Delta R.T. -0.140 min
Lab File: VX033856.D
Acq: 23 Jan 2023 17:52

Tgt Ion: 75 Resp: 9804
Ion Ratio Lower Upper
75 100
110 10.6 18.8 56.4#
77 0.0 25.1 37.7#





#37

Ethyl Acetate

Concen: 6.889 ug/l

RT: 4.714 min Scan# 595

Delta R.T. -0.001 min

Lab File: VX033856.D

Acq: 23 Jan 2023 17:52

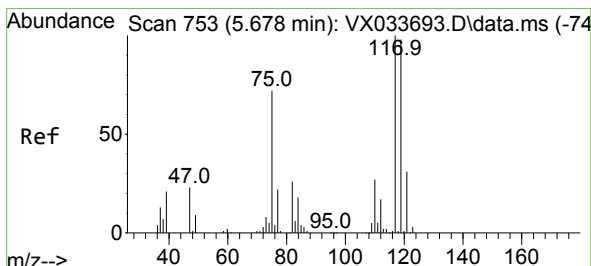
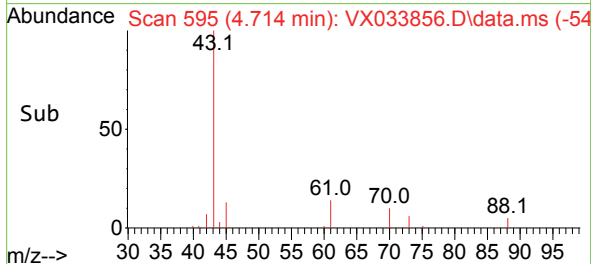
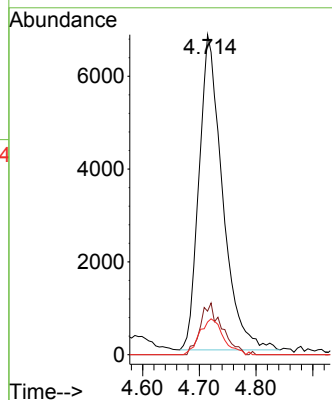
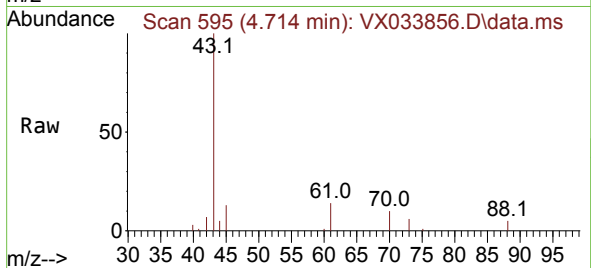
Instrument :

MSVOA_X

ClientSampleId :

TCLP-2

Tgt Ion:	43	Resp:	19544
Ion	Ratio	Lower	Upper
43	100		
61	15.1	11.1	16.7
70	11.5	8.5	12.7



#38

Carbon Tetrachloride

Concen: 6.282 ug/l

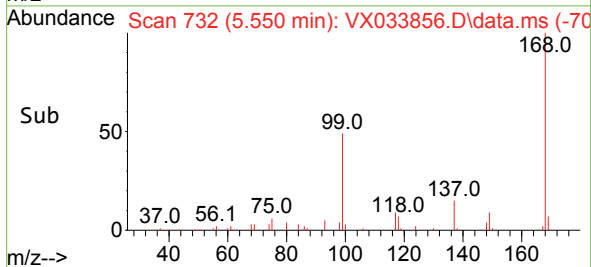
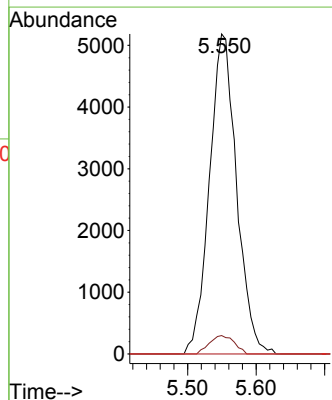
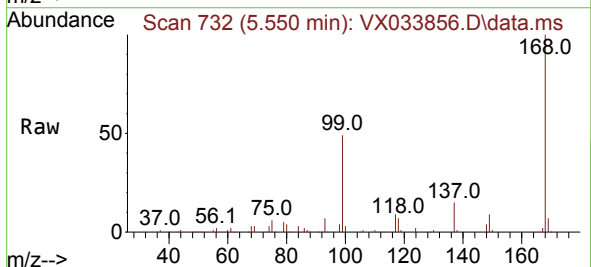
RT: 5.550 min Scan# 732

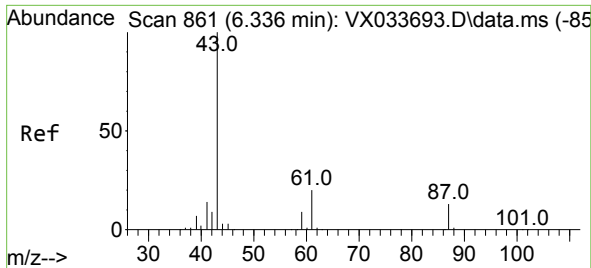
Delta R.T. -0.128 min

Lab File: VX033856.D

Acq: 23 Jan 2023 17:52

Tgt Ion:	117	Resp:	14248
Ion	Ratio	Lower	Upper
117	100		
119	5.7	78.0	117.0#
121	0.0	24.4	36.6#

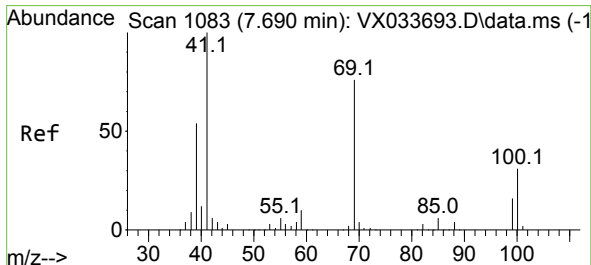
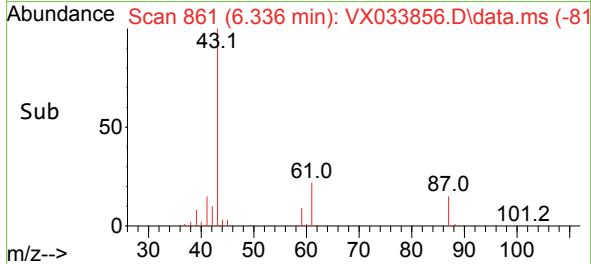
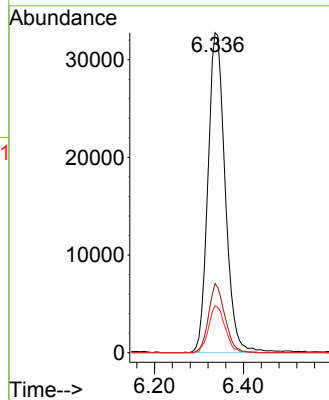
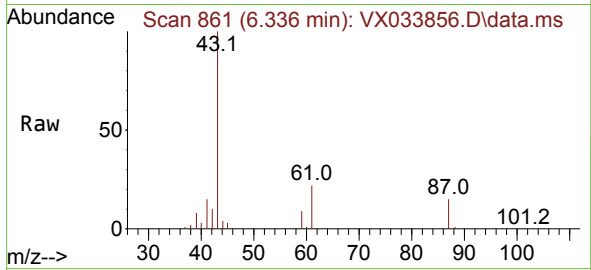




#43
Isopropyl Acetate
Concen: 25.563 ug/l
RT: 6.336 min Scan# 80
Delta R.T. -0.000 min
Lab File: VX033856.D
Acq: 23 Jan 2023 17:52

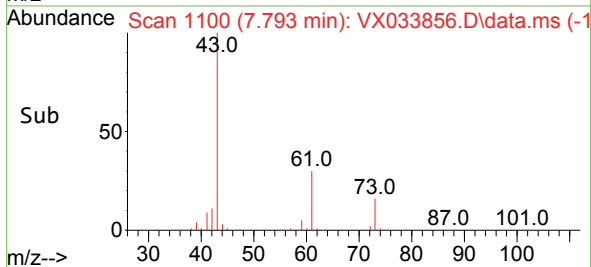
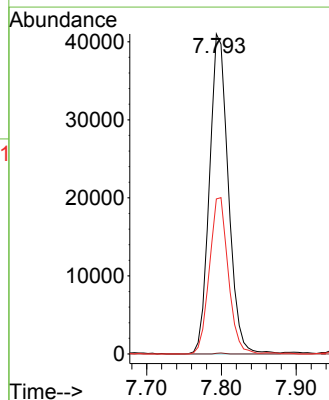
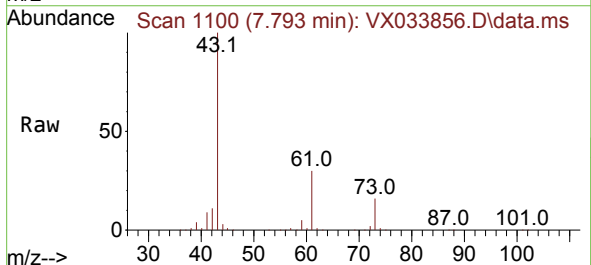
Instrument :
MSVOA_X
ClientSampleId :
TCLP-2

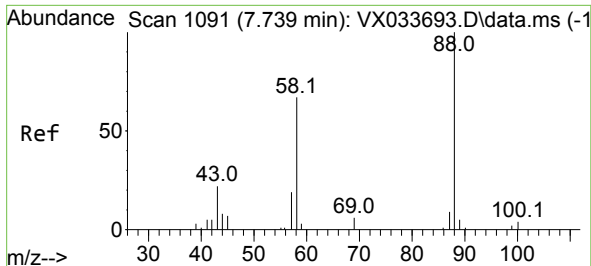
Tgt Ion: 43 Resp: 88378
Ion Ratio Lower Upper
43 100
61 20.4 15.7 23.5
87 14.2 10.6 15.8



#48
Methyl methacrylate
Concen: 41.219 ug/l
RT: 7.793 min Scan# 1100
Delta R.T. 0.103 min
Lab File: VX033856.D
Acq: 23 Jan 2023 17:52

Tgt Ion: 41 Resp: 71783
Ion Ratio Lower Upper
41 100
69 0.1 63.1 94.7#
39 48.8 43.2 64.8

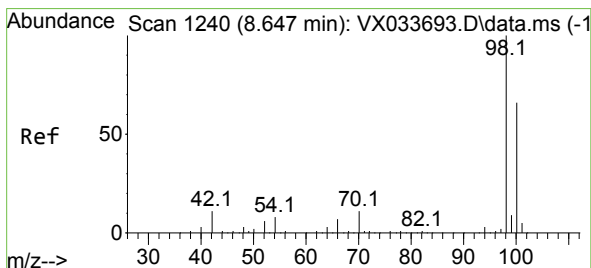
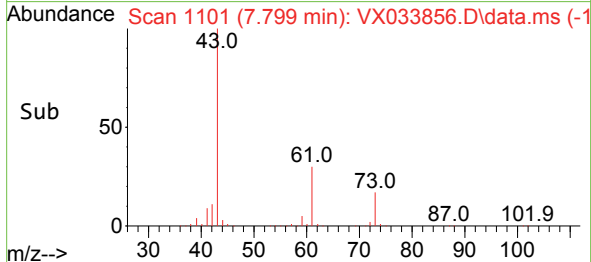
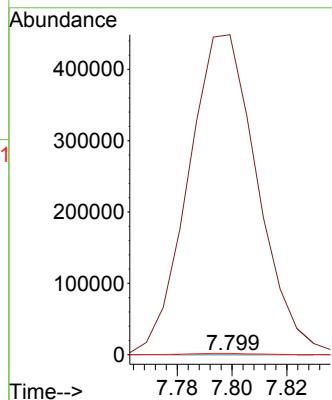
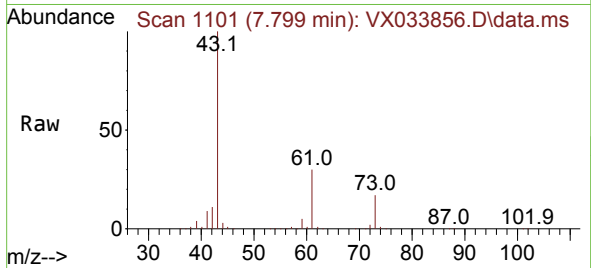




#49
1,4-Dioxane
Concen: 1.947 ug/l
RT: 7.799 min Scan# 1101
Delta R.T. 0.061 min
Lab File: VX033856.D
Acq: 23 Jan 2023 17:52

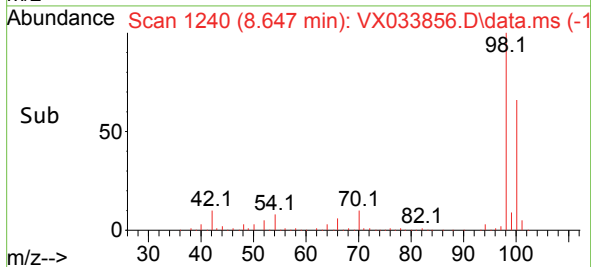
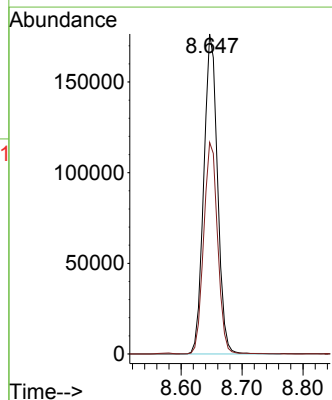
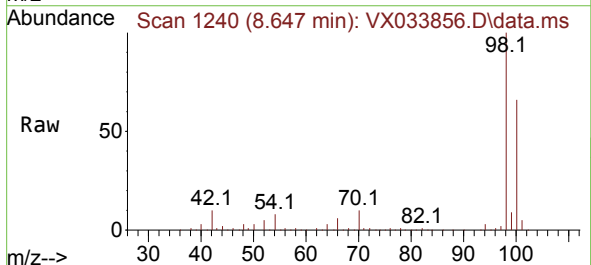
Instrument :
MSVOA_X
ClientSampleId :
TCLP-2

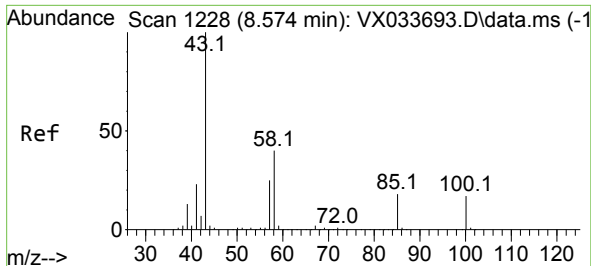
Tgt Ion: 88 Resp: 75
Ion Ratio Lower Upper
88 100
43 1065052.0 0.0 0.0#
58 4244.0 56.5 84.7#



#50
Toluene-d8
Concen: 50.630 ug/l
RT: 8.647 min Scan# 1240
Delta R.T. -0.000 min
Lab File: VX033856.D
Acq: 23 Jan 2023 17:52

Tgt Ion: 98 Resp: 276803
Ion Ratio Lower Upper
98 100
100 67.2 53.6 80.4

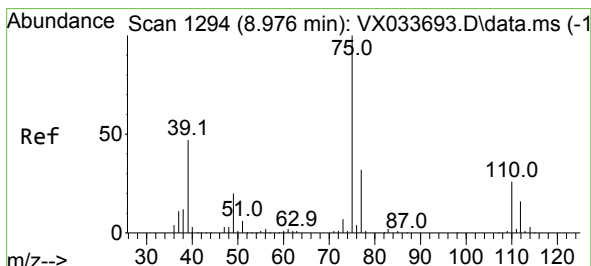
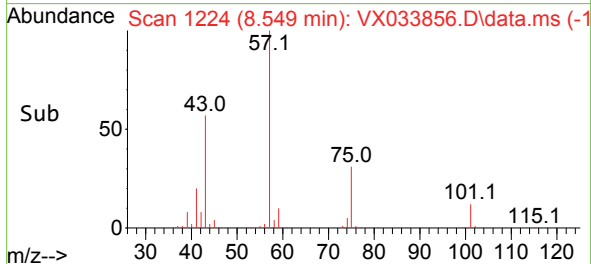
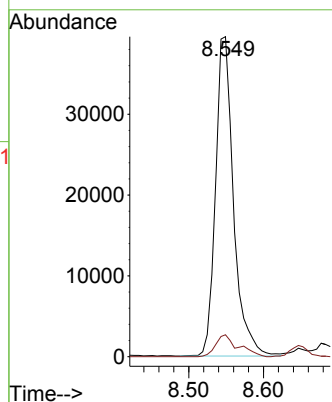
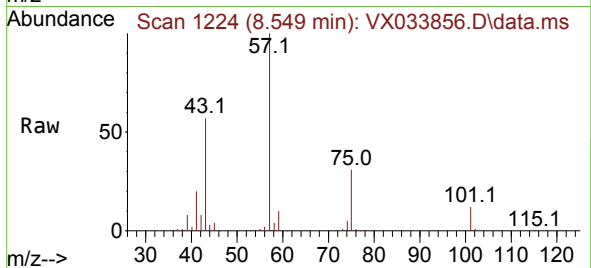




#51
4-Methyl-2-Pentanone
Concen: 31.150 ug/l
RT: 8.549 min Scan# 11
Delta R.T. -0.025 min
Lab File: VX033856.D
Acq: 23 Jan 2023 17:52

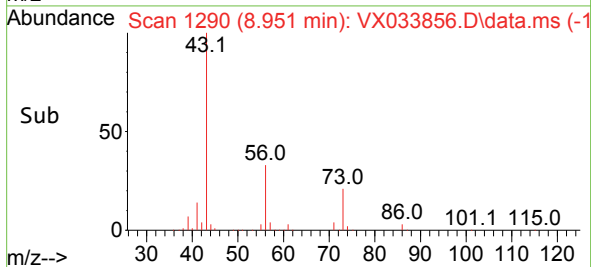
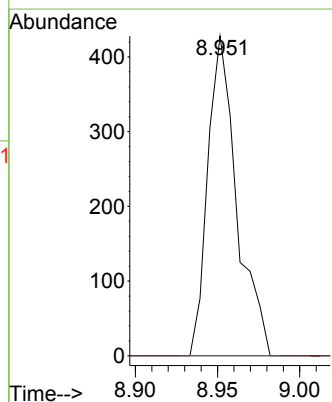
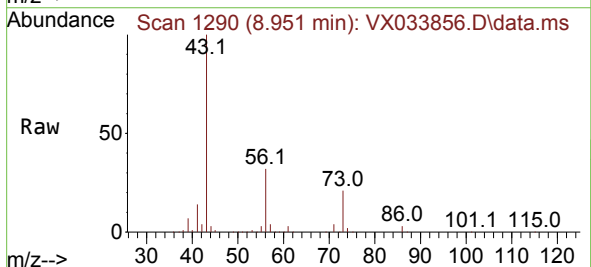
Instrument :
MSVOA_X
ClientSampleId :
TCLP-2

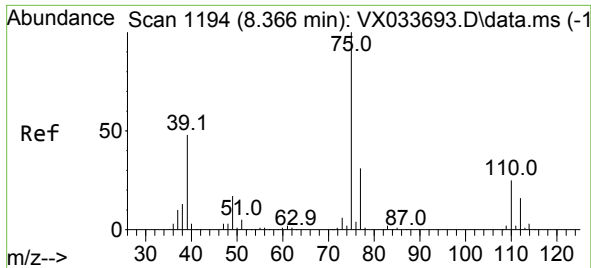
Tgt Ion: 43 Resp: 66139
Ion Ratio Lower Upper
43 100
58 8.6 31.2 46.8#



#53
t-1,3-Dichloropropene
Concen: 0.244 ug/l
RT: 8.951 min Scan# 1290
Delta R.T. -0.025 min
Lab File: VX033856.D
Acq: 23 Jan 2023 17:52

Tgt Ion: 75 Resp: 526
Ion Ratio Lower Upper
75 100
77 0.0 25.5 38.3#

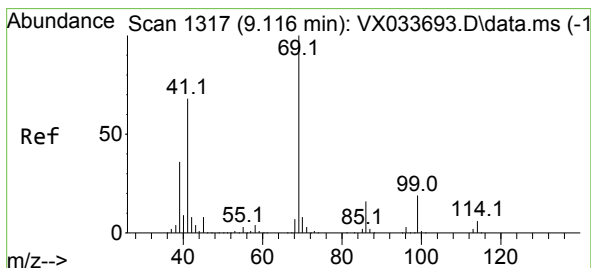
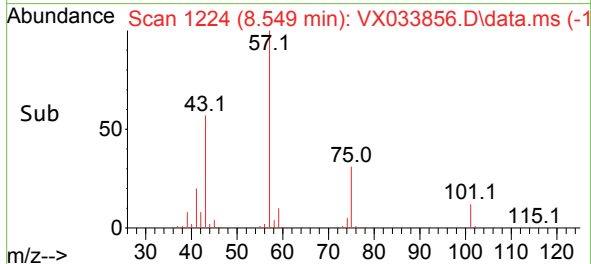
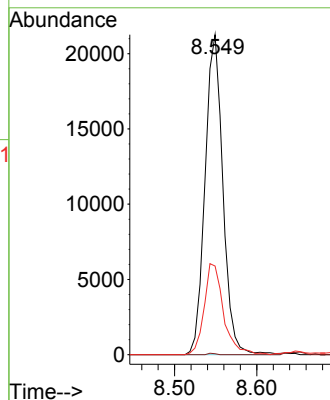
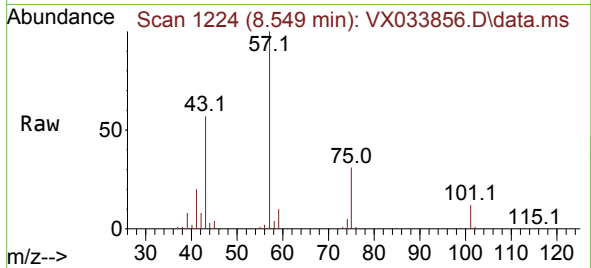




#54
 cis-1,3-Dichloropropene
 Concen: 13.304 ug/l
 RT: 8.549 min Scan# 1194
 Delta R.T. 0.183 min
 Lab File: VX033856.D
 Acq: 23 Jan 2023 17:52

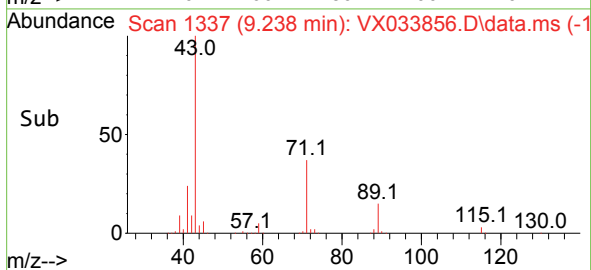
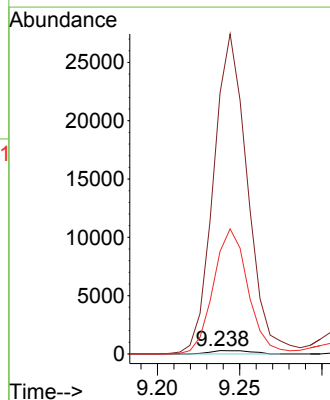
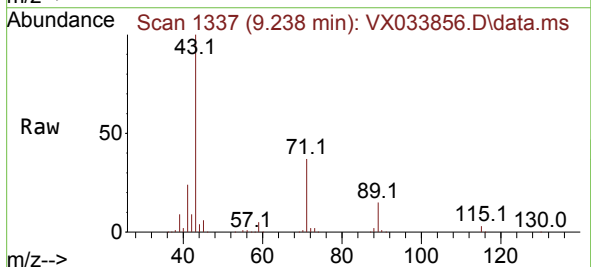
Instrument :
 MSVOA_X
 ClientSampleId :
 TCLP-2

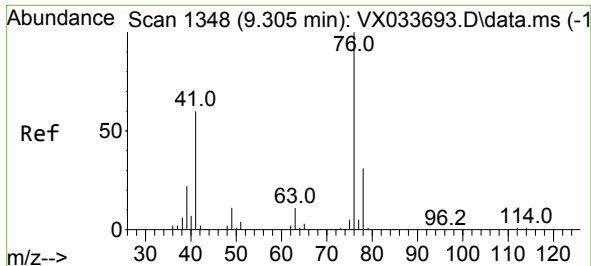
Tgt Ion: 75 Resp: 32088
 Ion Ratio Lower Upper
 75 100
 77 0.3 25.0 37.6#
 39 27.7 38.6 58.0#



#56
 Ethyl methacrylate
 Concen: 0.214 ug/l
 RT: 9.238 min Scan# 1337
 Delta R.T. 0.122 min
 Lab File: VX033856.D
 Acq: 23 Jan 2023 17:52

Tgt Ion: 69 Resp: 492
 Ion Ratio Lower Upper
 69 100
 41 8059.1 55.1 82.7#
 39 3197.6 28.5 42.7#





#57

1,3-Dichloropropane

Concen: 1.447 ug/l

RT: 9.482 min Scan# 1377

Delta R.T. 0.177 min

Lab File: VX033856.D

Acq: 23 Jan 2023 17:52

Instrument :

MSVOA_X

ClientSampleId :

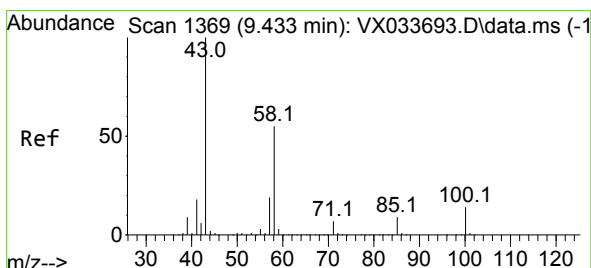
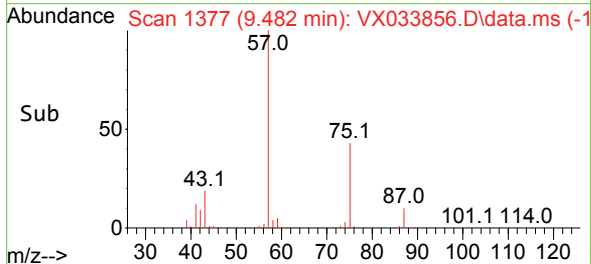
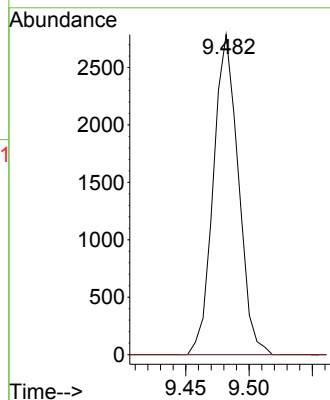
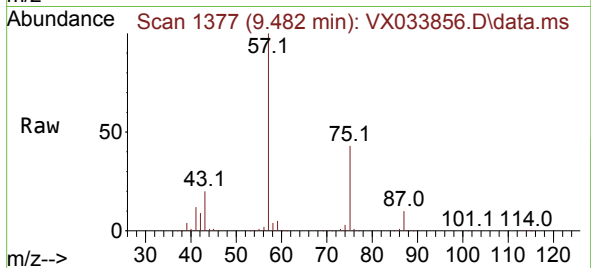
TCLP-2

Tgt Ion: 76 Resp: 3828

Ion Ratio Lower Upper

76 100

78 0.0 25.6 38.4#



#59

2-Hexanone

Concen: 36.030 ug/l

RT: 9.482 min Scan# 1377

Delta R.T. 0.049 min

Lab File: VX033856.D

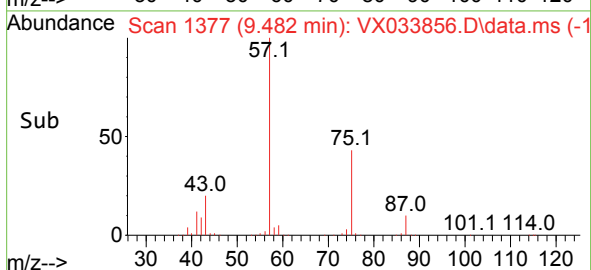
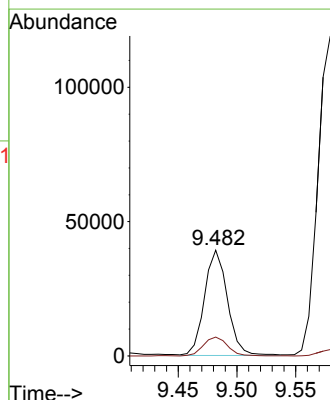
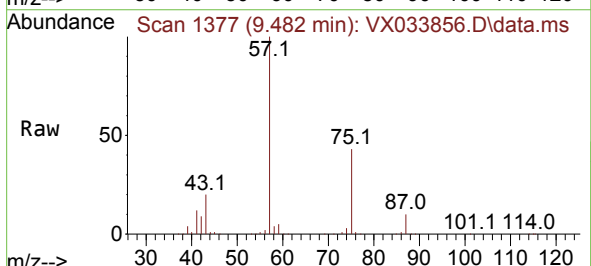
Acq: 23 Jan 2023 17:52

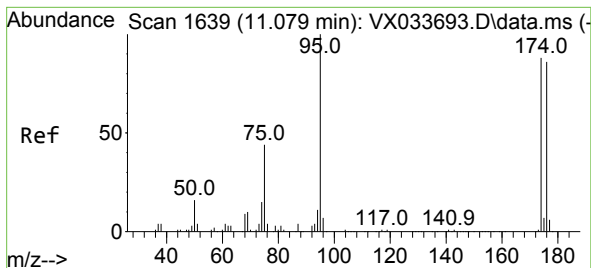
Tgt Ion: 43 Resp: 53245

Ion Ratio Lower Upper

43 100

58 19.1 27.4 82.0#

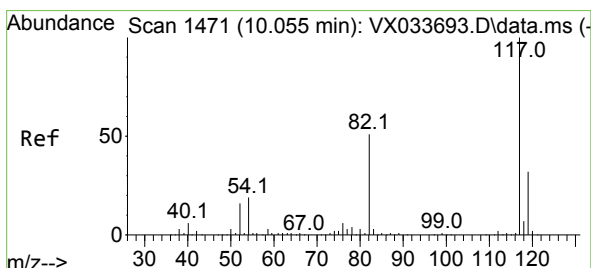
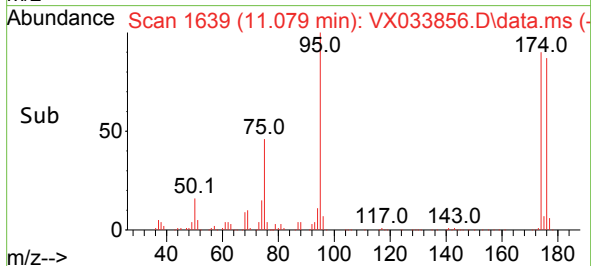
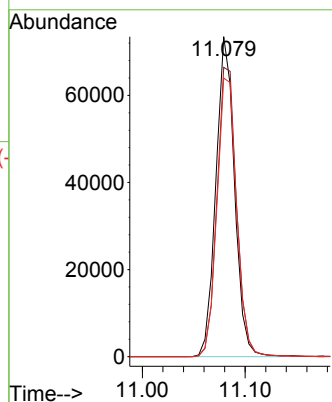
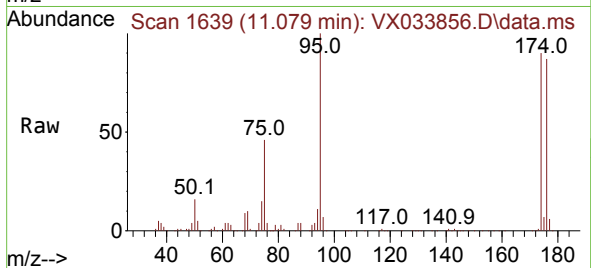




#62
4-Bromofluorobenzene
Concen: 45.463 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.000 min
Lab File: VX033856.D
Acq: 23 Jan 2023 17:52

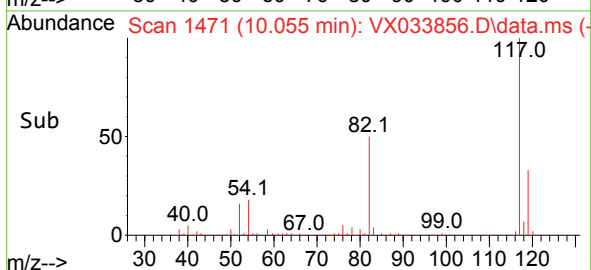
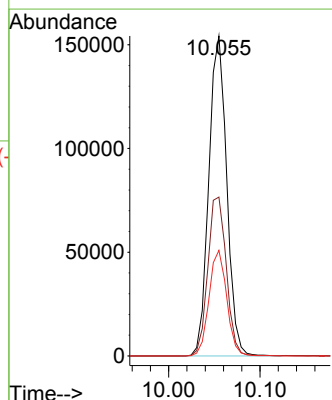
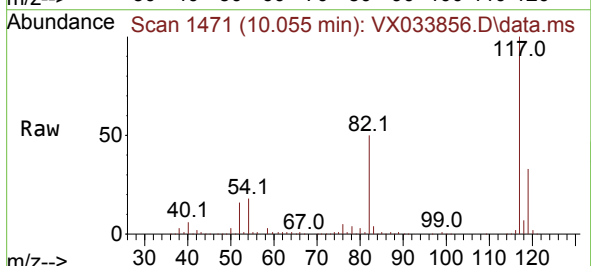
Instrument :
MSVOA_X
ClientSampleId :
TCLP-2

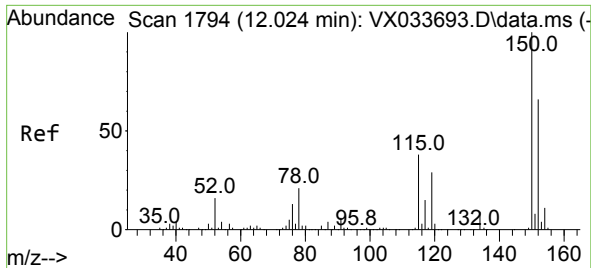
Tgt Ion: 95 Resp: 92282
Ion Ratio Lower Upper
95 100
174 95.2 0.0 184.4
176 92.5 0.0 178.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. -0.000 min
Lab File: VX033856.D
Acq: 23 Jan 2023 17:52

Tgt Ion: 117 Resp: 210422
Ion Ratio Lower Upper
117 100
82 49.6 40.6 60.8
119 33.0 25.6 38.4

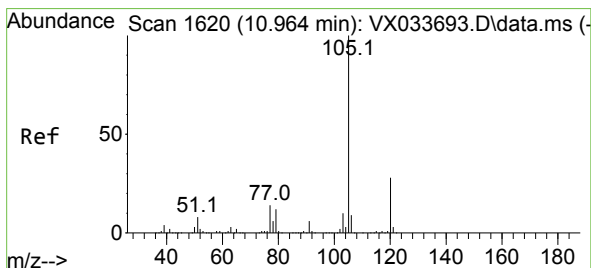
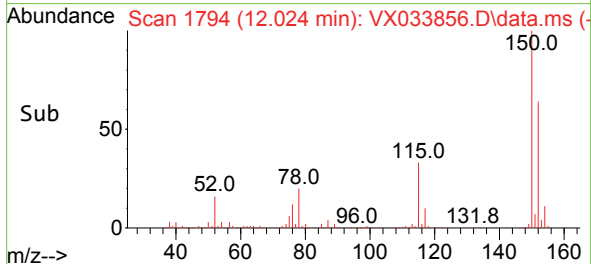
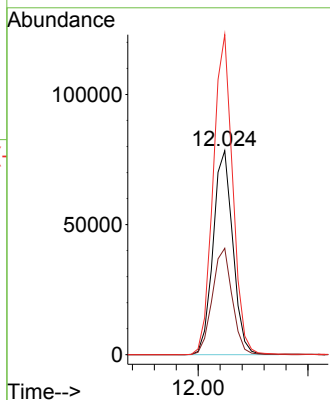
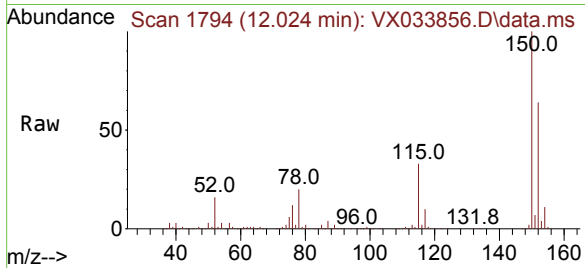




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.024 min Scan# 11
Delta R.T. -0.000 min
Lab File: VX033856.D
Acq: 23 Jan 2023 17:52

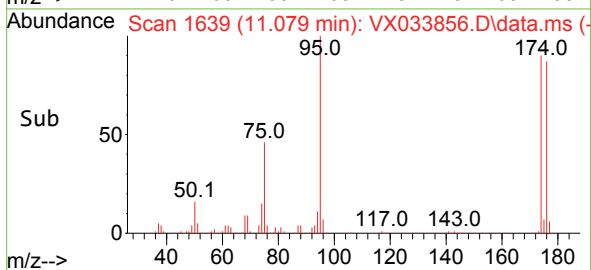
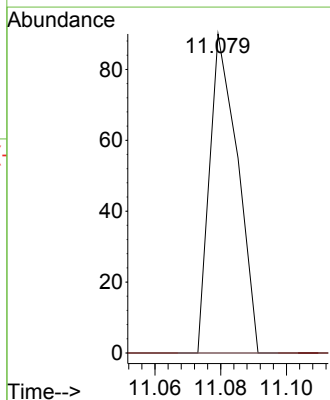
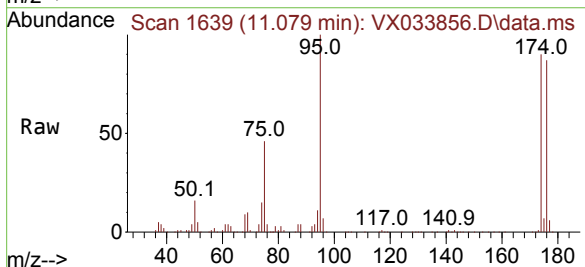
Instrument :
MSVOA_X
ClientSampleId :
TCLP-2

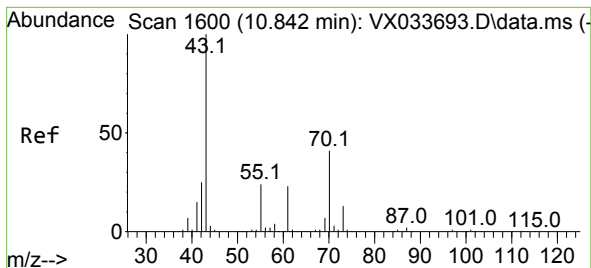
Tgt Ion:152 Resp: 98171
Ion Ratio Lower Upper
152 100
115 52.7 38.7 116.1
150 155.6 0.0 348.2



#73
Isopropylbenzene
Concen: Below Cal
RT: 11.079 min Scan# 1639
Delta R.T. 0.115 min
Lab File: VX033856.D
Acq: 23 Jan 2023 17:52

Tgt Ion:105 Resp: 53
Ion Ratio Lower Upper
105 100
120 0.0 13.6 40.8#





#74

N-amy1 acetate

Concen: 6.731 ug/l

RT: 10.640 min Scan# 1

Delta R.T. -0.201 min

Lab File: VX033856.D

Acq: 23 Jan 2023 17:52

Instrument :

MSVOA_X

ClientSampleId :

TCLP-2

Tgt Ion: 43 Resp: 17352

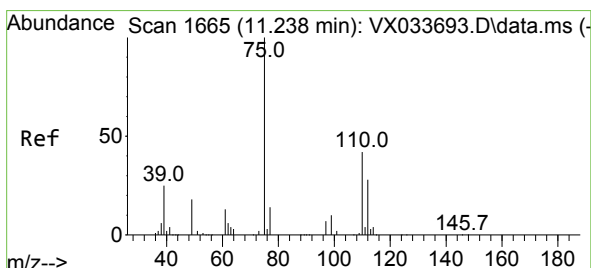
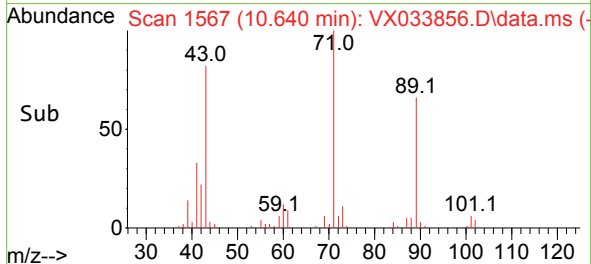
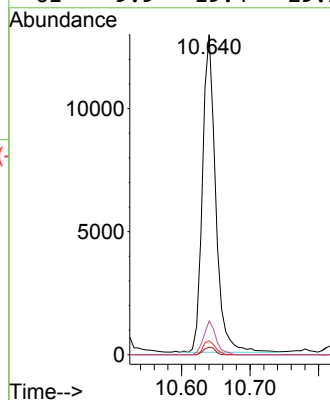
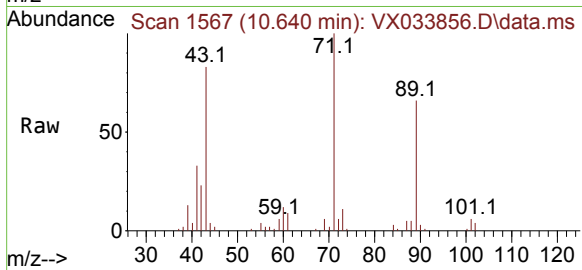
Ion Ratio Lower Upper

43 100

70 2.0 34.8 52.2#

55 3.9 19.4 29.0#

61 9.9 19.4 29.2#



#76

1,2,3-Trichloropropane

Concen: 23.951 ug/l

RT: 11.079 min Scan# 1639

Delta R.T. -0.159 min

Lab File: VX033856.D

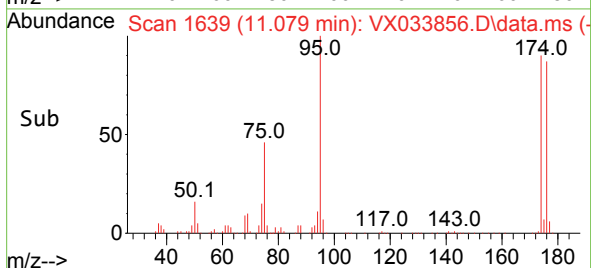
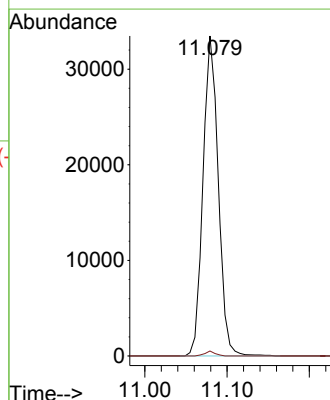
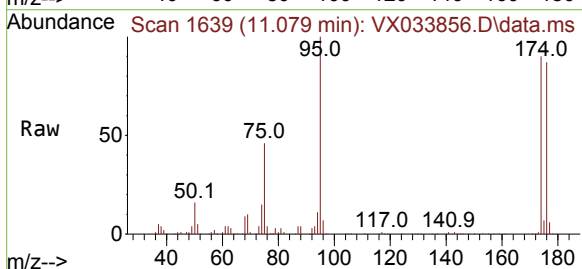
Acq: 23 Jan 2023 17:52

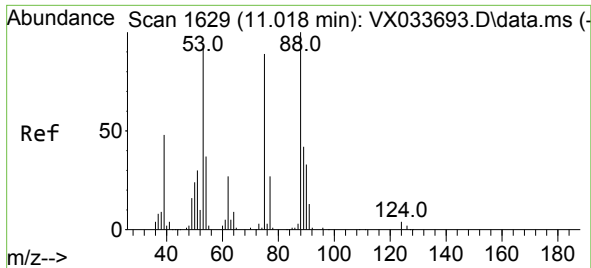
Tgt Ion: 75 Resp: 43201

Ion Ratio Lower Upper

75 100

77 1.0 21.8 65.4#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 74.436 ug/l
 RT: 11.079 min Scan# 1
 Delta R.T. 0.061 min
 Lab File: VX033856.D
 Acq: 23 Jan 2023 17:52

Instrument :
 MSVOA_X
 ClientSampleId :
 TCLP-2

Tgt Ion: 75 Resp: 43201
 Ion Ratio Lower Upper
 75 100
 53 0.0 83.0 124.6#
 89 0.0 37.7 56.5#

