

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX051222\
 Data File : VX028645.D
 Acq On : 12 May 2022 18:02
 Operator : JC/MD
 Sample : N2798-01
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 28 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 DEWATERING-EFF-051022

Quant Time: May 13 02:48:17 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X051222W.M
 Quant Title : SW846 8260
 QLast Update : Thu May 12 14:58:53 2022
 Response via : Initial Calibration

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

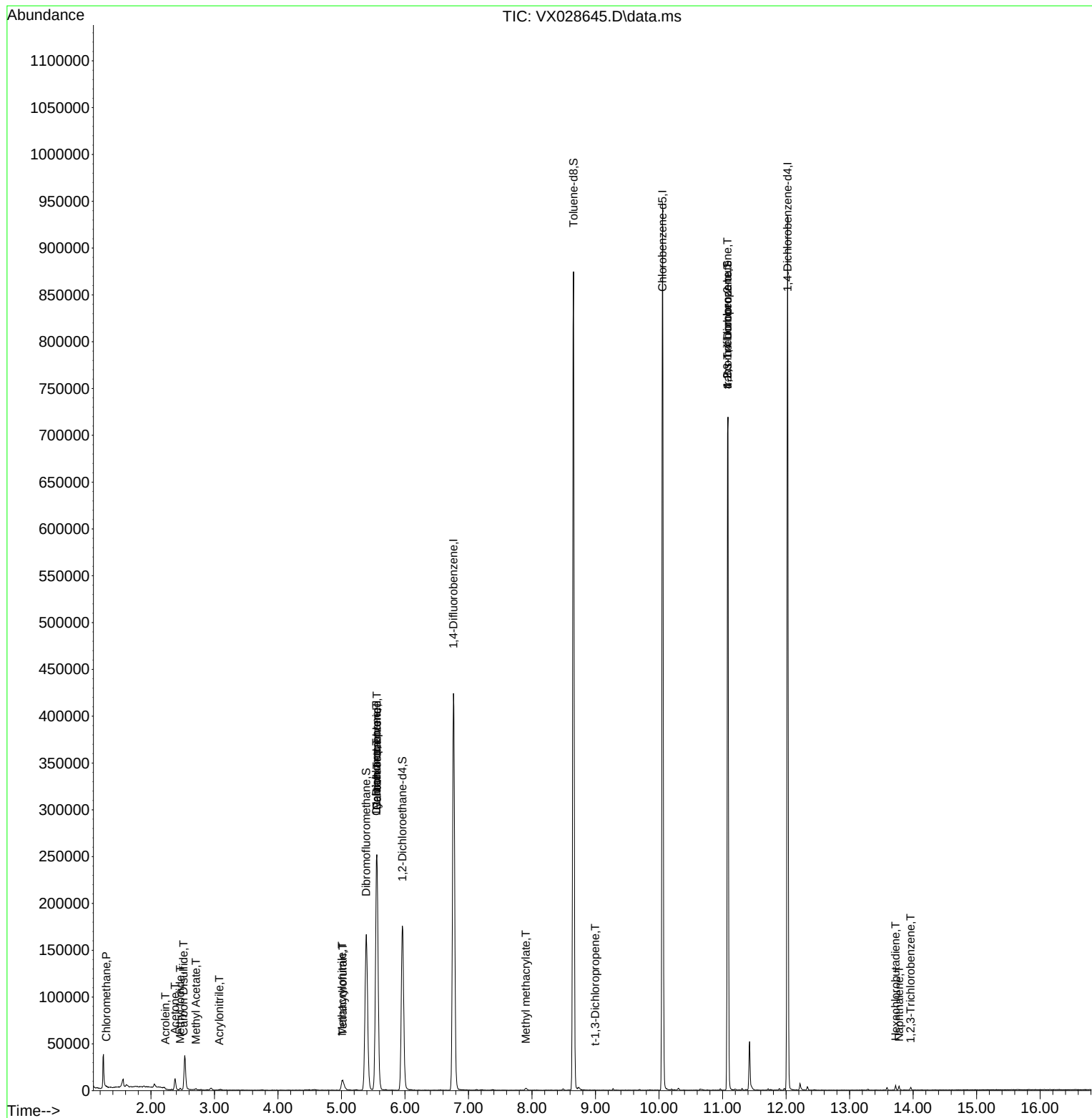
Internal Standards						
1) Pentafluorobenzene	5.556	168	230878	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.763	114	431174	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	405504	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	180122	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.958	65	167378	52.887	ug/l	0.00
Spiked Amount	50.000	Range	61 - 141	Recovery	= 105.780%	
35) Dibromofluoromethane	5.385	113	142485	50.437	ug/l	0.00
Spiked Amount	50.000	Range	69 - 133	Recovery	= 100.880%	
50) Toluene-d8	8.653	98	518922	48.722	ug/l	0.00
Spiked Amount	50.000	Range	65 - 126	Recovery	= 97.440%	
62) 4-Bromofluorobenzene	11.079	95	189280	47.580	ug/l	0.00
Spiked Amount	50.000	Range	58 - 135	Recovery	= 95.160%	
Target Compounds						
					Qvalue	
3) Chloromethane	1.294	50	1024	0.360	ug/l	94
5) Bromomethane	1.611	94	1518	Below Cal	#	77
6) Chloroethane	1.666	64	360	Below Cal	#	43
10) Methyl Iodide	2.459	142	1737	0.564	ug/l #	90
11) Tert butyl alcohol	2.946	59	1330	Below Cal	#	72
13) Acrolein	2.227	56	115	0.221	ug/l #	68
15) Acrylonitrile	3.074	53	431	0.283	ug/l #	66
16) Acetone	2.379	43	12035	8.861	ug/l	94
17) Carbon Disulfide	2.514	76	2114	0.341	ug/l	100
18) Methyl Acetate	2.709	43	1864	0.548	ug/l #	73
29) Tetrahydrofuran	5.019	42	10279	7.417	ug/l	87
31) Cyclohexane	5.550	56	5952	1.355	ug/l #	22
36) 1,1-Dichloropropene	5.550	75	19216	4.529	ug/l #	50
38) Carbon Tetrachloride	5.556	117	25147	5.889	ug/l #	16
41) Methacrylonitrile	5.007	41	6286	2.645	ug/l #	39
48) Methyl methacrylate	7.903	41	740	0.221	ug/l #	26
53) t-1,3-Dichloropropene	8.994	75	143	1.669	ug/l #	43
76) 1,2,3-Trichloropropane	11.079	75	101814	24.136	ug/l #	38
81) trans-1,4-Dichloro-2-b...	11.079	75	101814	70.301	ug/l #	15
94) Hexachlorobutadiene	13.725	225	708	0.485	ug/l	84
95) Naphthalene	13.780	128	2831	0.221	ug/l	99
96) 1,2,3-Trichlorobenzene	13.963	180	860	0.238	ug/l	95

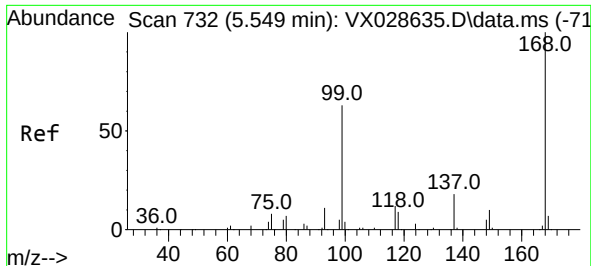
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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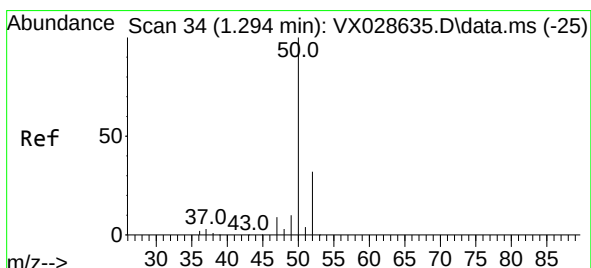
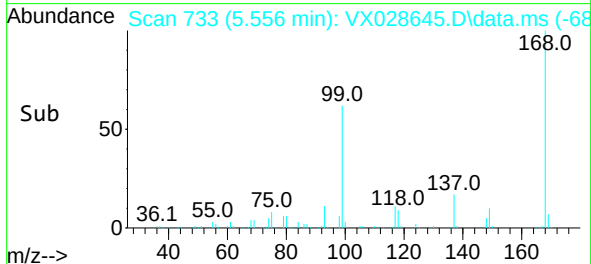
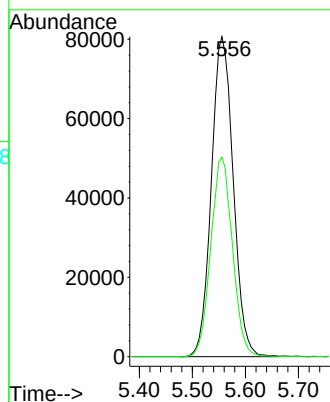
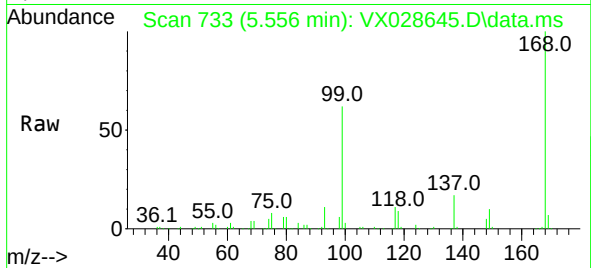




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.556 min Scan# 71
Delta R.T. 0.007 min
Lab File: VX028645.D
Acq: 12 May 2022 18:02

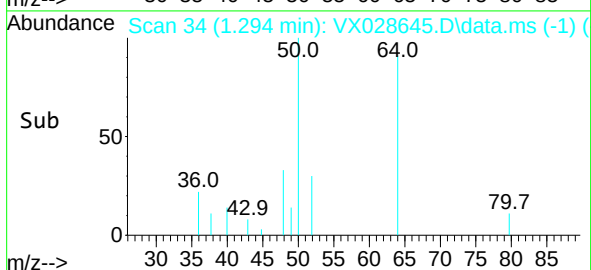
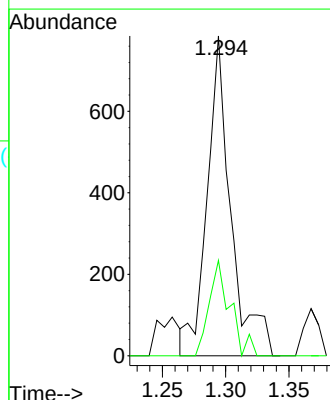
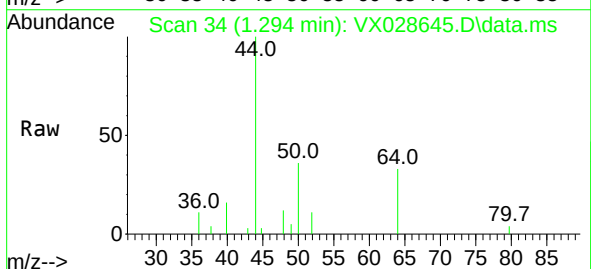
Instrument :
MSVOA_X
ClientSampleId :
DEWATERING-EFF-051022

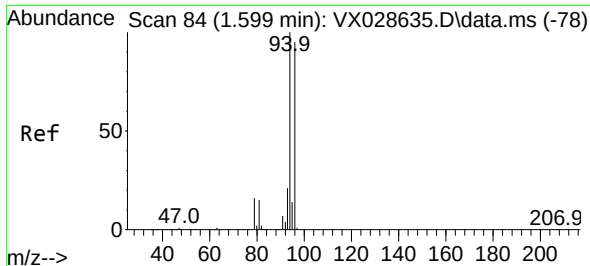
Tgt Ion:168 Resp: 230878
Ion Ratio Lower Upper
168 100
99 62.3 41.7 62.5



#3
Chloromethane
Concen: 0.360 ug/l
RT: 1.294 min Scan# 34
Delta R.T. 0.000 min
Lab File: VX028645.D
Acq: 12 May 2022 18:02

Tgt Ion: 50 Resp: 1024
Ion Ratio Lower Upper
50 100
52 29.8 26.4 39.6

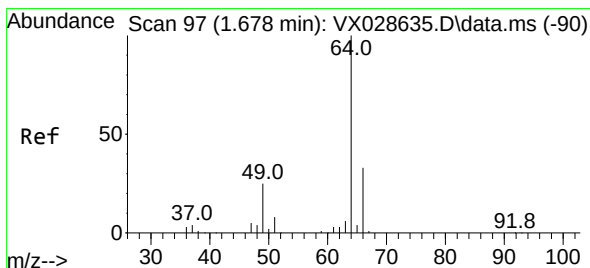
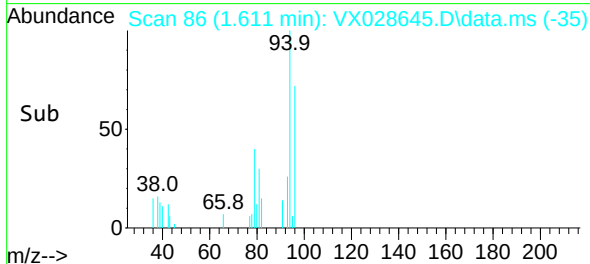
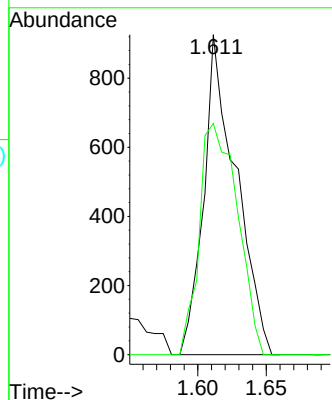
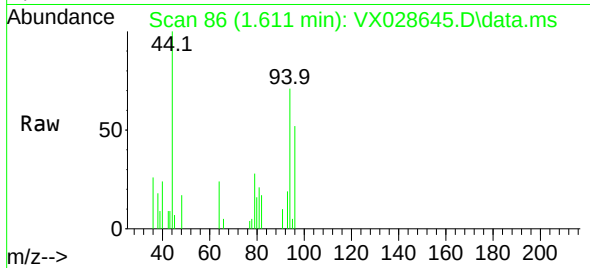




#5
Bromomethane
Concen: Below Cal
RT: 1.611 min Scan# 80
Delta R.T. 0.012 min
Lab File: VX028645.D
Acq: 12 May 2022 18:02

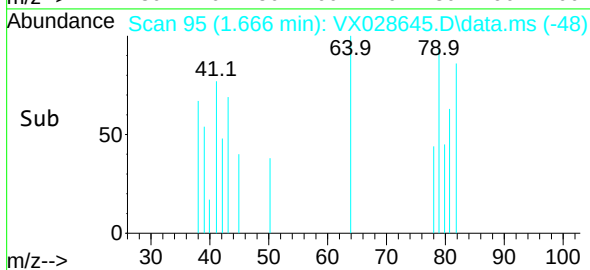
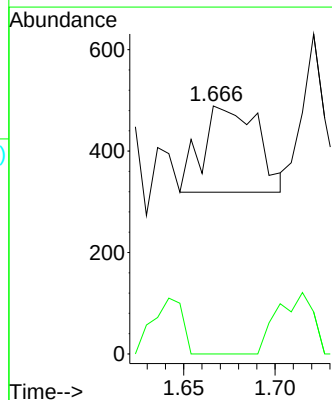
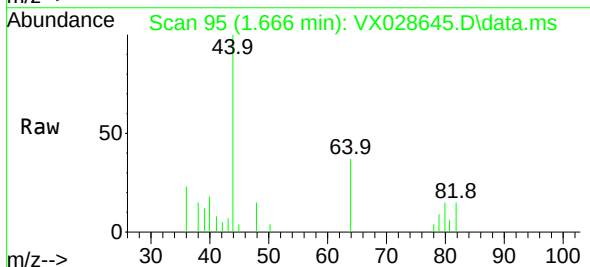
Instrument :
MSVOA_X
ClientSampleId :
DEWATERING-EFF-051022

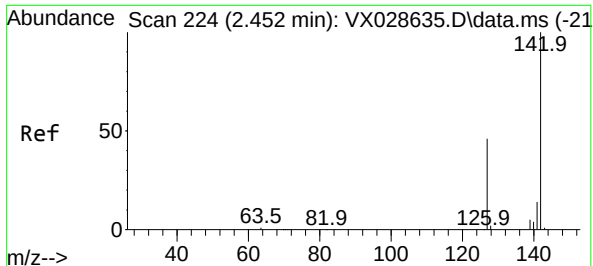
Tgt Ion: 94 Resp: 1518
Ion Ratio Lower Upper
94 100
96 72.2 75.3 112.9#



#6
Chloroethane
Concen: Below Cal
RT: 1.666 min Scan# 95
Delta R.T. -0.012 min
Lab File: VX028645.D
Acq: 12 May 2022 18:02

Tgt Ion: 64 Resp: 360
Ion Ratio Lower Upper
64 100
66 0.0 25.3 37.9#





#10

Methyl Iodide

Concen: 0.564 ug/l

RT: 2.459 min Scan# 21

Delta R.T. 0.007 min

Lab File: VX028645.D

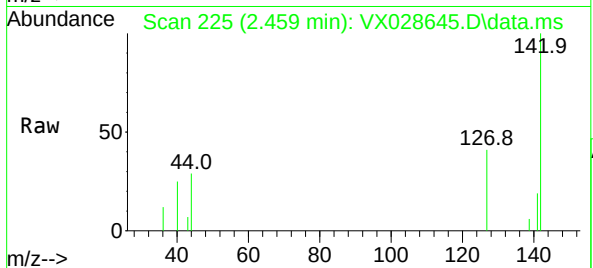
Acq: 12 May 2022 18:02

Instrument :

MSVOA_X

ClientSampleId :

DEWATERING-EFF-051022



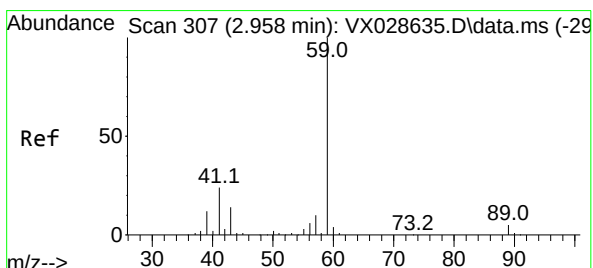
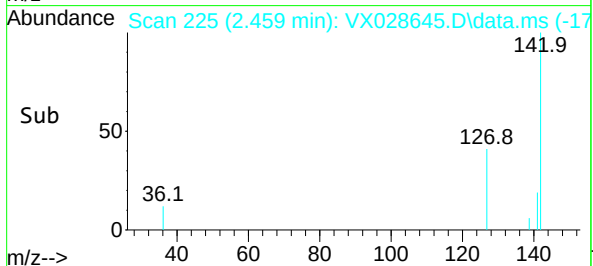
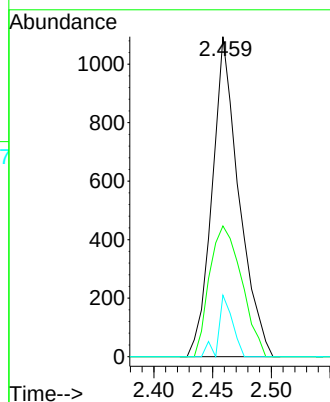
Tgt Ion:142 Resp: 1737

Ion Ratio Lower Upper

142 100

127 48.9 33.9 50.9

141 10.0 11.4 17.2#



#11

Tert butyl alcohol

Concen: Below Cal

RT: 2.946 min Scan# 305

Delta R.T. -0.012 min

Lab File: VX028645.D

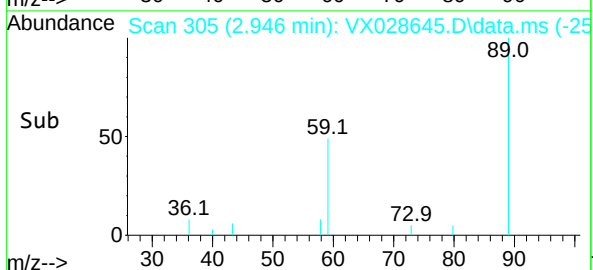
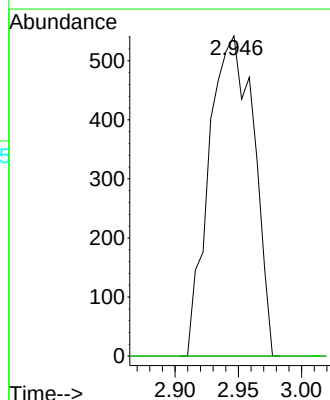
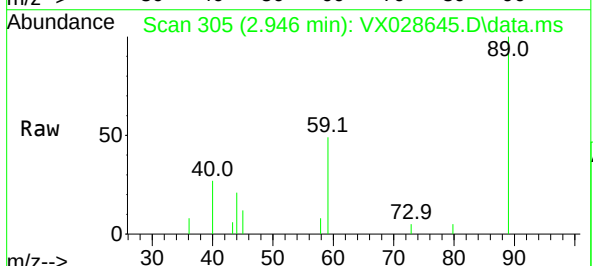
Acq: 12 May 2022 18:02

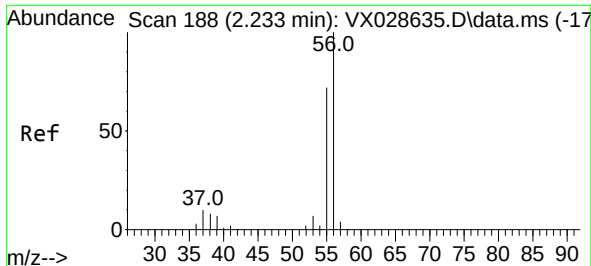
Tgt Ion: 59 Resp: 1330

Ion Ratio Lower Upper

59 100

57 0.0 8.3 12.5#

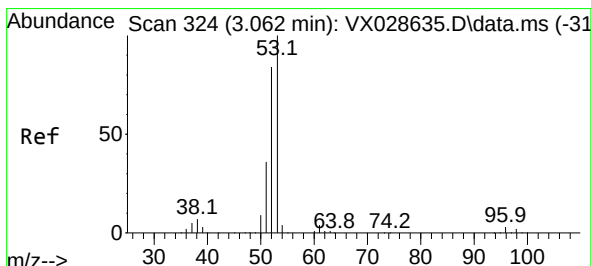
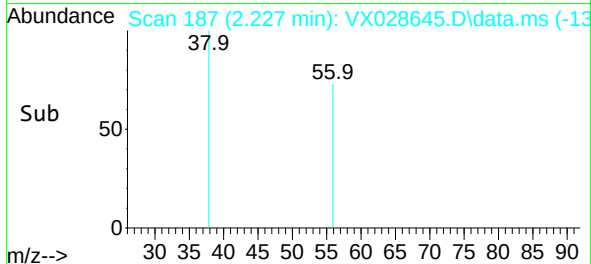
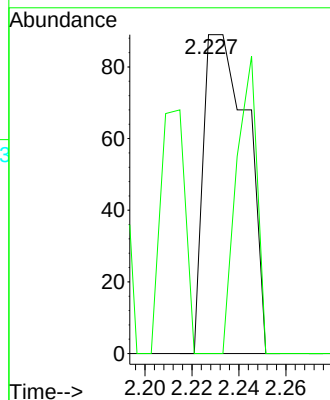
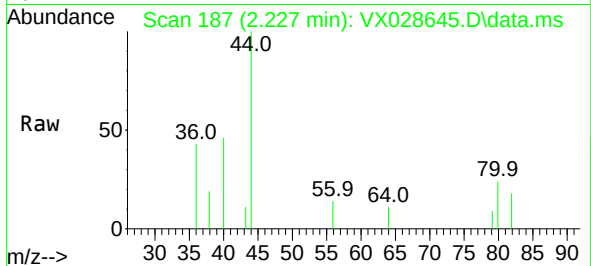




#13
Acrolein
Concen: 0.221 ug/l
RT: 2.227 min Scan# 115
Delta R.T. -0.006 min
Lab File: VX028645.D
Acq: 12 May 2022 18:02

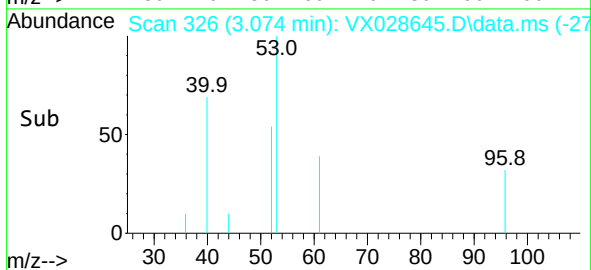
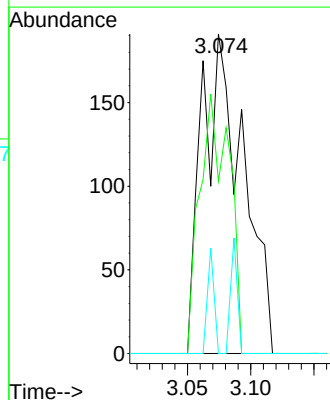
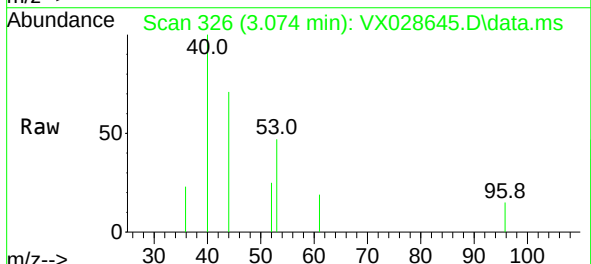
Instrument :
MSVOA_X
ClientSampleId :
DEWATERING-EFF-051022

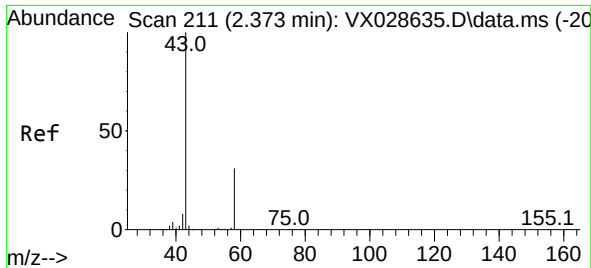
Tgt Ion: 56 Resp: 115
Ion Ratio Lower Upper
56 100
55 42.6 55.0 82.6#



#15
Acrylonitrile
Concen: 0.283 ug/l
RT: 3.074 min Scan# 326
Delta R.T. 0.012 min
Lab File: VX028645.D
Acq: 12 May 2022 18:02

Tgt Ion: 53 Resp: 431
Ion Ratio Lower Upper
53 100
52 58.2 65.7 98.5#
51 5.3 28.4 42.6#





#16

Acetone

Concen: 8.861 ug/l

RT: 2.379 min Scan# 211

Delta R.T. 0.006 min

Lab File: VX028645.D

Acq: 12 May 2022 18:02

Instrument :

MSVOA_X

ClientSampleId :

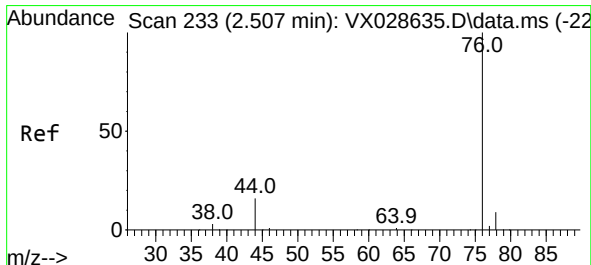
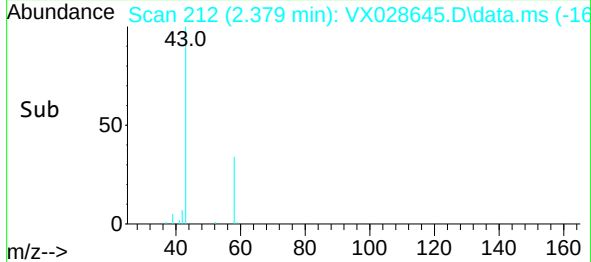
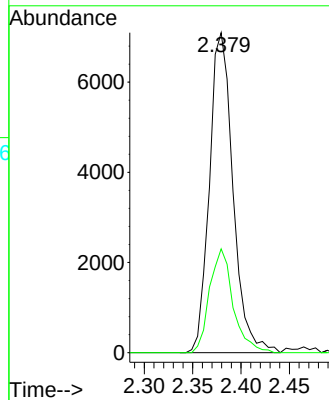
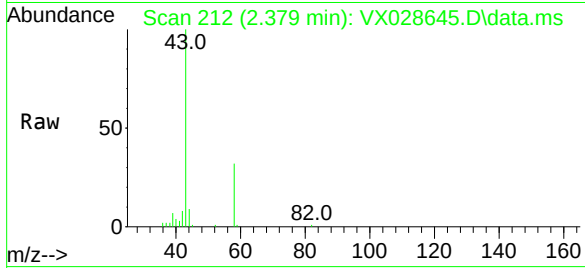
DEWATERING-EFF-051022

Tgt Ion: 43 Resp: 12035

Ion Ratio Lower Upper

43 100

58 32.4 28.8 43.2



#17

Carbon Disulfide

Concen: 0.341 ug/l

RT: 2.514 min Scan# 234

Delta R.T. 0.007 min

Lab File: VX028645.D

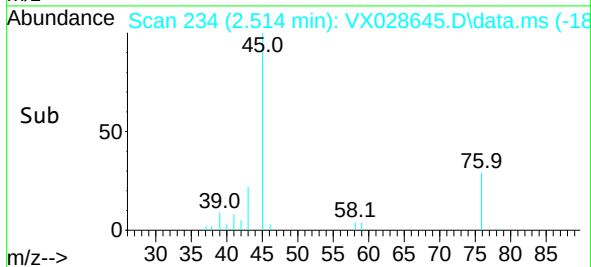
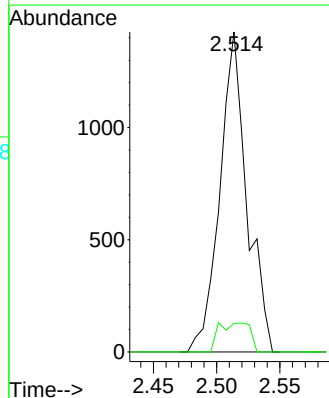
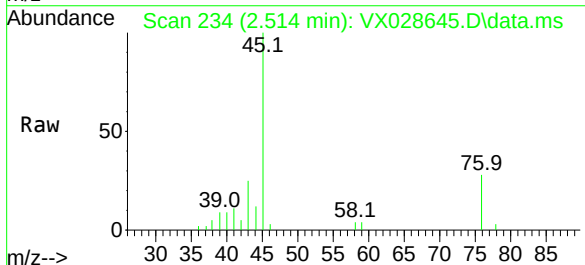
Acq: 12 May 2022 18:02

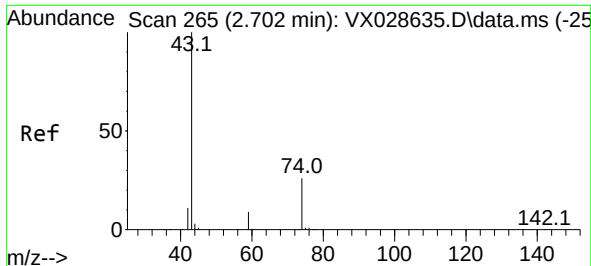
Tgt Ion: 76 Resp: 2114

Ion Ratio Lower Upper

76 100

78 8.9 7.2 10.8





#18

Methyl Acetate

Concen: 0.548 ug/l

RT: 2.709 min Scan# 2

Delta R.T. 0.007 min

Lab File: VX028645.D

Acq: 12 May 2022 18:02

Instrument :

MSVOA_X

ClientSampleId :

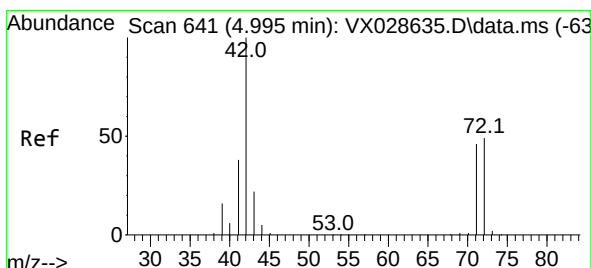
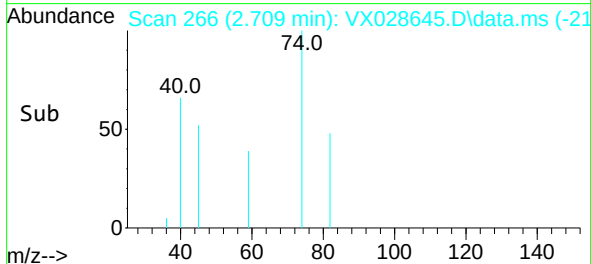
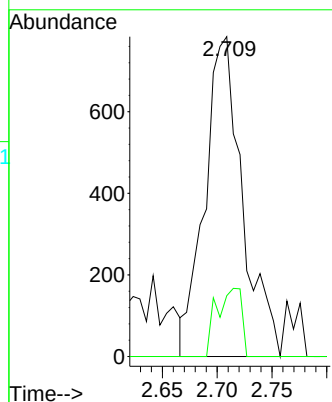
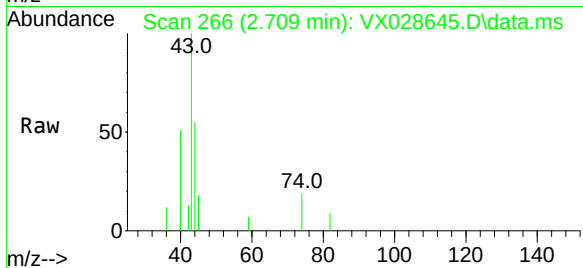
DEWATERING-EFF-051022

Tgt Ion: 43 Resp: 1864

Ion Ratio Lower Upper

43 100

74 14.2 22.8 34.2#



#29

Tetrahydrofuran

Concen: 7.417 ug/l

RT: 5.019 min Scan# 645

Delta R.T. 0.024 min

Lab File: VX028645.D

Acq: 12 May 2022 18:02

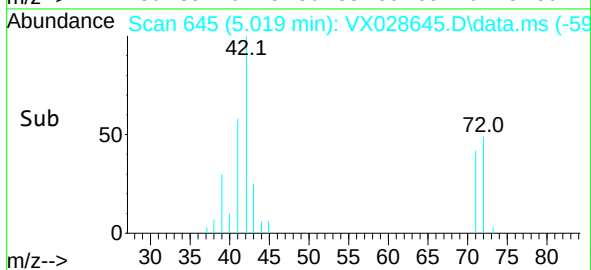
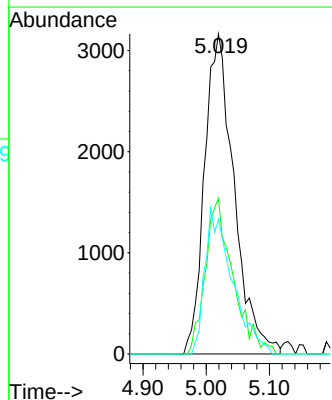
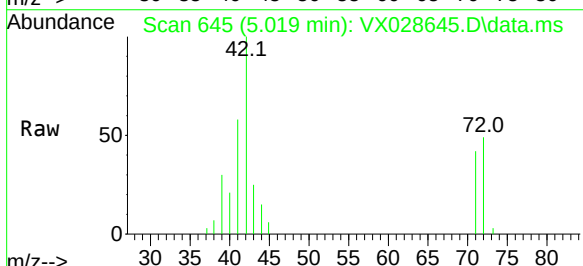
Tgt Ion: 42 Resp: 10279

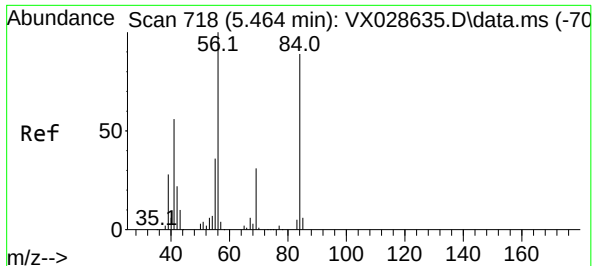
Ion Ratio Lower Upper

42 100

72 45.4 44.1 66.1

71 42.2 40.5 60.7

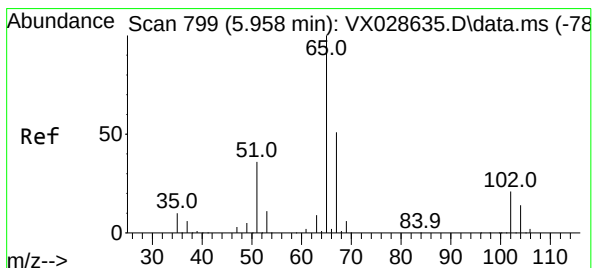
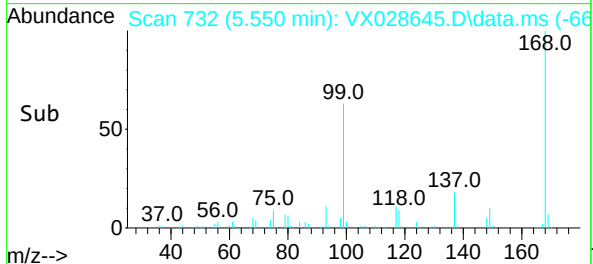
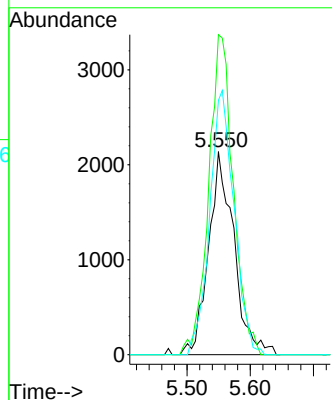
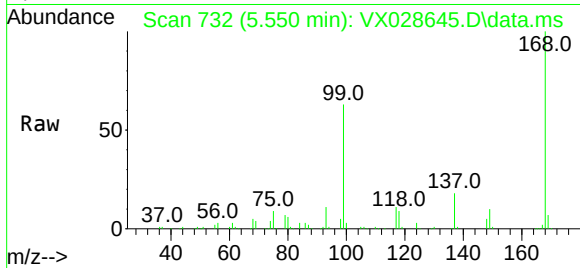




#31
Cyclohexane
Concen: 1.355 ug/l
RT: 5.550 min Scan# 718
Delta R.T. 0.086 min
Lab File: VX028645.D
Acq: 12 May 2022 18:02

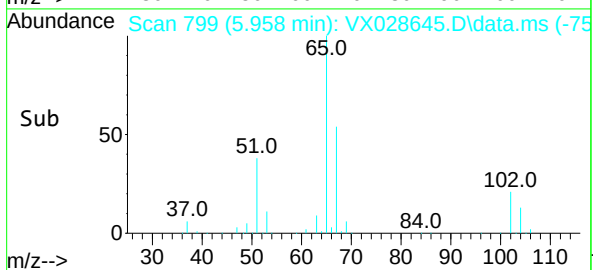
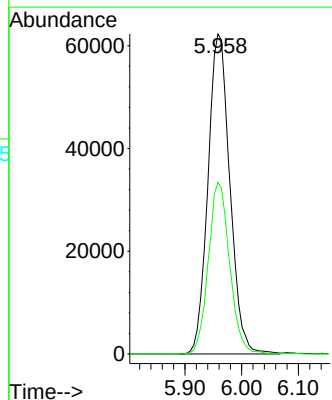
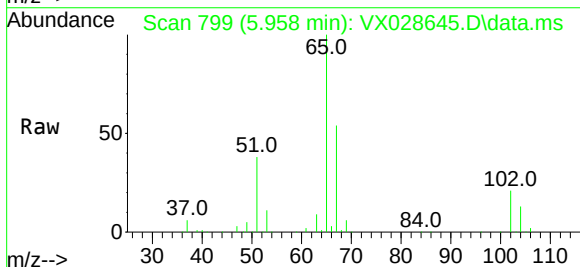
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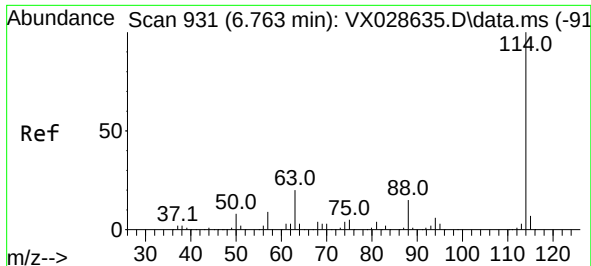
Tgt Ion: 56 Resp: 5952
Ion Ratio Lower Upper
56 100
69 157.6 26.7 40.1#
84 125.2 77.2 115.8#



#33
1,2-Dichloroethane-d4
Concen: 52.887 ug/l
RT: 5.958 min Scan# 799
Delta R.T. 0.000 min
Lab File: VX028645.D
Acq: 12 May 2022 18:02

Tgt Ion: 65 Resp: 167378
Ion Ratio Lower Upper
65 100
67 52.0 0.0 107.4

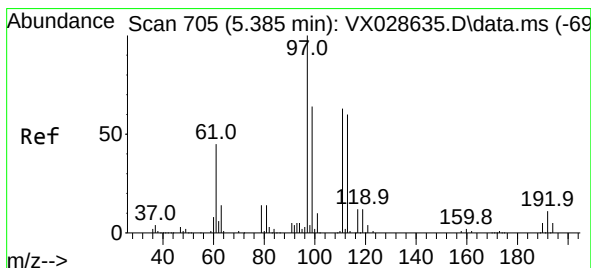
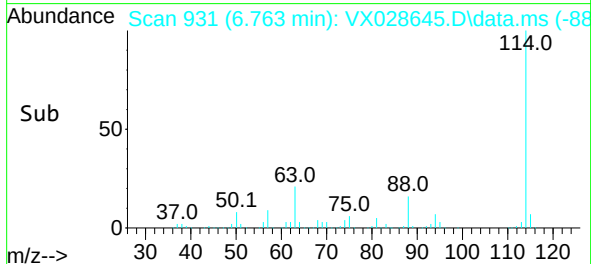
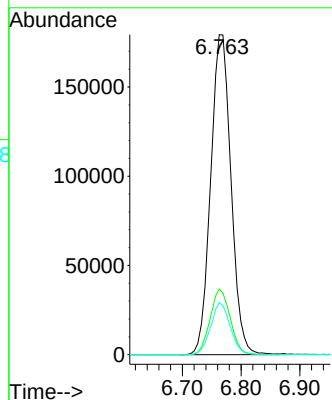
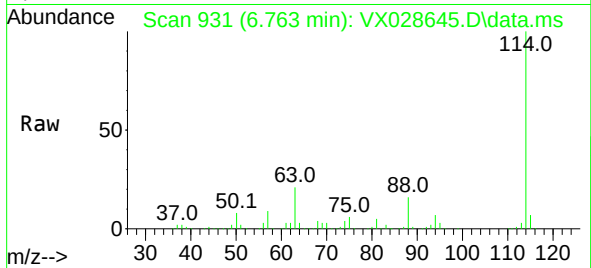




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.763 min Scan# 91
Delta R.T. -0.000 min
Lab File: VX028645.D
Acq: 12 May 2022 18:02

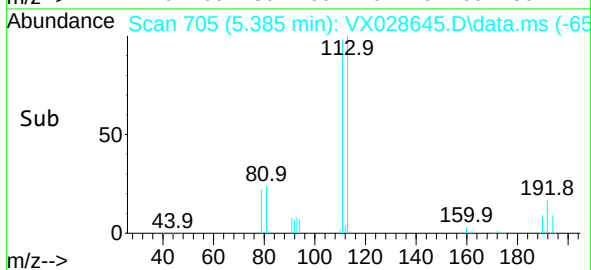
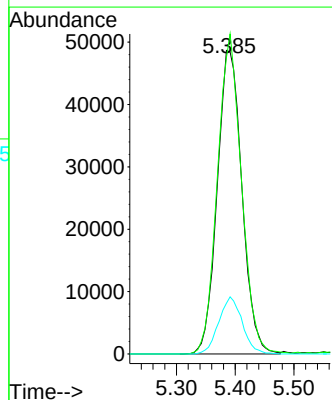
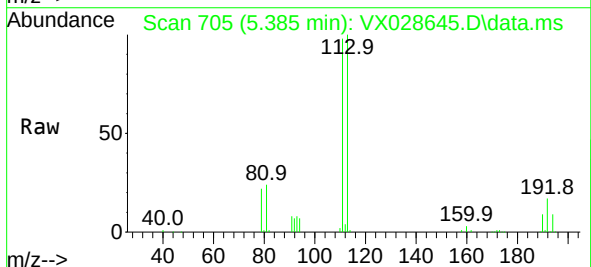
Instrument :
MSVOA_X
ClientSampleId :
DEWATERING-EFF-051022

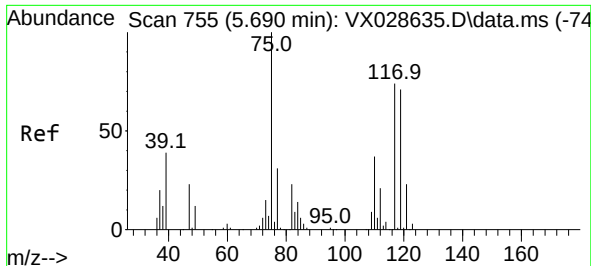
Tgt Ion:114 Resp: 431174
Ion Ratio Lower Upper
114 100
63 20.5 0.0 36.8
88 16.2 0.0 32.4



#35
Dibromofluoromethane
Concen: 50.437 ug/l
RT: 5.385 min Scan# 705
Delta R.T. 0.000 min
Lab File: VX028645.D
Acq: 12 May 2022 18:02

Tgt Ion:113 Resp: 142485
Ion Ratio Lower Upper
113 100
111 102.2 82.8 124.2
192 17.9 16.9 25.3

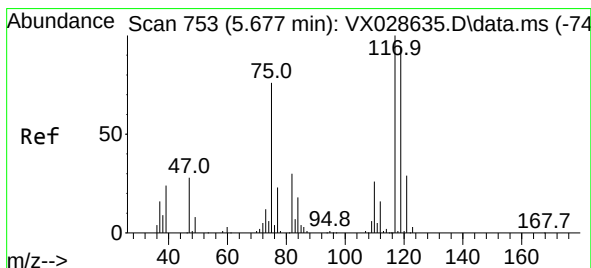
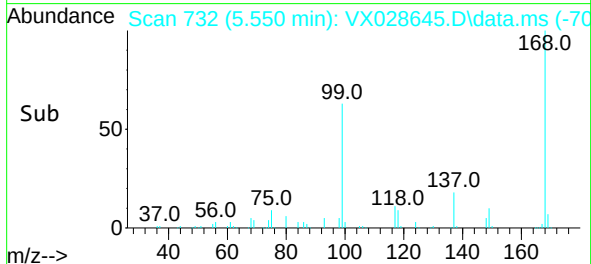
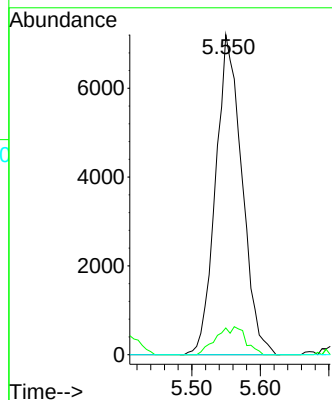
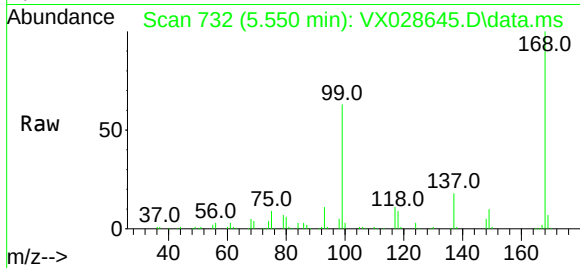




#36
1,1-Dichloropropene
Concen: 4.529 ug/l
RT: 5.550 min Scan# 711
Delta R.T. -0.140 min
Lab File: VX028645.D
Acq: 12 May 2022 18:02

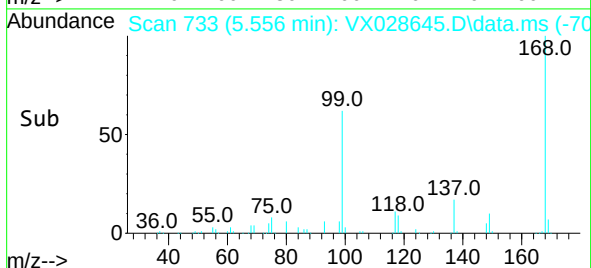
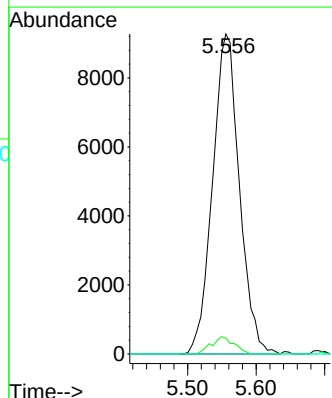
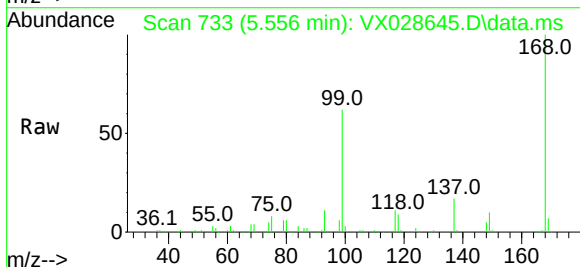
Instrument :
MSVOA_X
ClientSampleId :
DEWATERING-EFF-051022

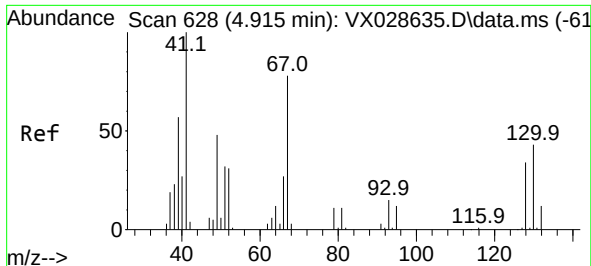
Tgt Ion: 75 Resp: 19216
Ion Ratio Lower Upper
75 100
110 9.8 18.3 54.8#
77 0.0 24.8 37.2#



#38
Carbon Tetrachloride
Concen: 5.889 ug/l
RT: 5.556 min Scan# 733
Delta R.T. -0.121 min
Lab File: VX028645.D
Acq: 12 May 2022 18:02

Tgt Ion: 117 Resp: 25147
Ion Ratio Lower Upper
117 100
119 5.0 77.3 115.9#
121 0.0 24.2 36.2#

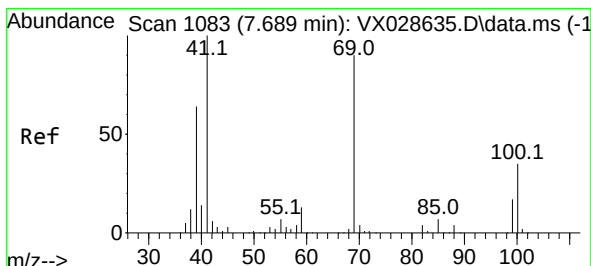
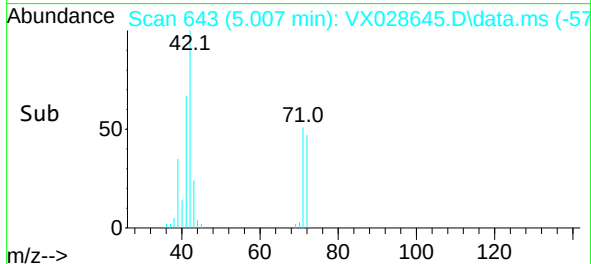
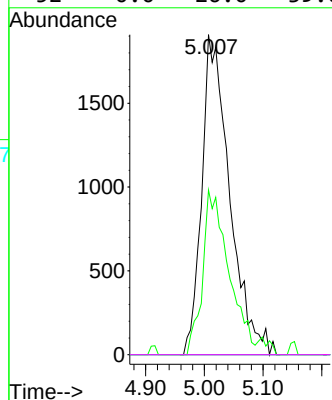
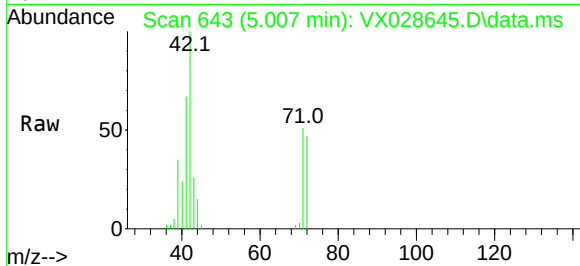




#41
Methacrylonitrile
Concen: 2.645 ug/l
RT: 5.007 min Scan# 643
Delta R.T. 0.092 min
Lab File: VX028645.D
Acq: 12 May 2022 18:02

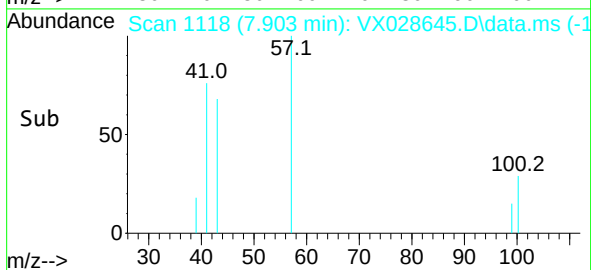
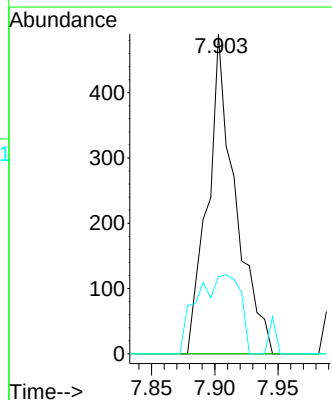
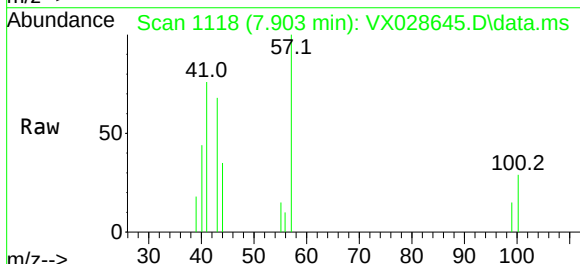
Instrument :
MSVOA_X
ClientSampleId :
DEWATERING-EFF-051022

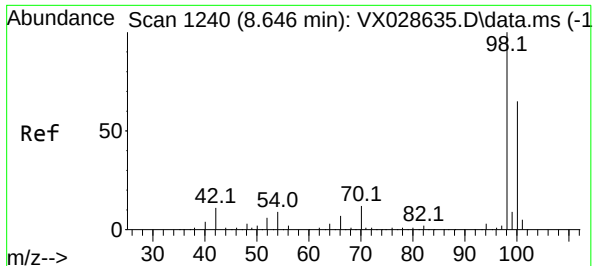
Tgt Ion:	41	Resp:	6286
Ion	Ratio	Lower	Upper
41	100		
39	48.3	43.0	64.4
67	0.0	70.2	105.4#
52	0.0	26.0	39.0#



#48
Methyl methacrylate
Concen: 0.221 ug/l
RT: 7.903 min Scan# 1118
Delta R.T. 0.214 min
Lab File: VX028645.D
Acq: 12 May 2022 18:02

Tgt Ion:	41	Resp:	740
Ion	Ratio	Lower	Upper
41	100		
69	0.0	82.5	123.7#
39	39.2	43.8	65.8#

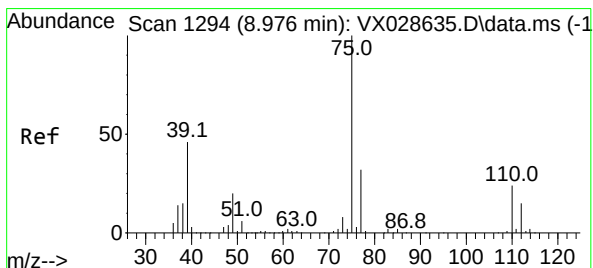
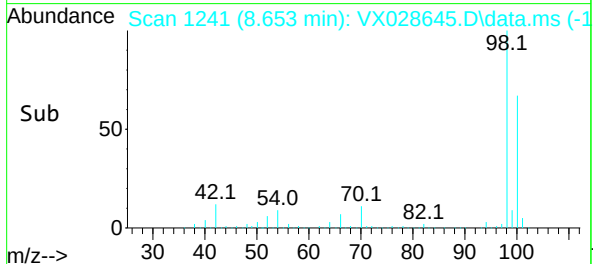
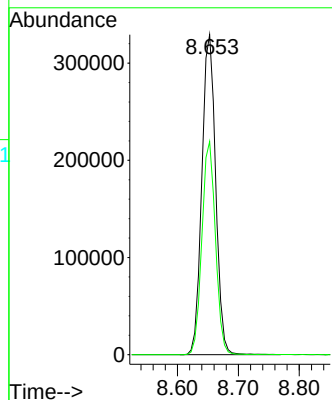
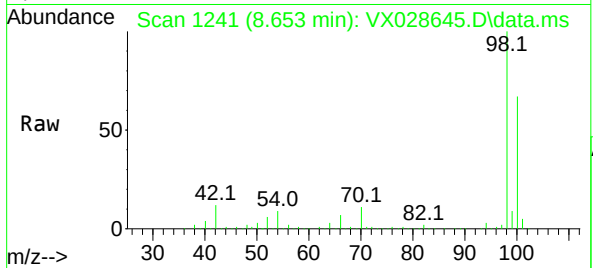




#50
Toluene-d8
Concen: 48.722 ug/l
RT: 8.653 min Scan# 11
Delta R.T. 0.007 min
Lab File: VX028645.D
Acq: 12 May 2022 18:02

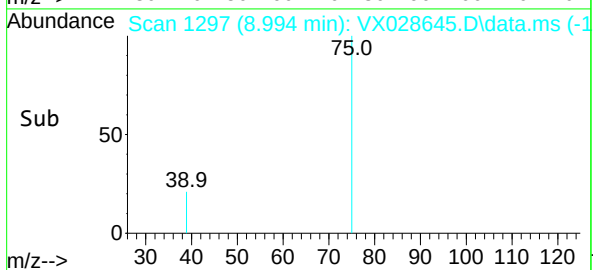
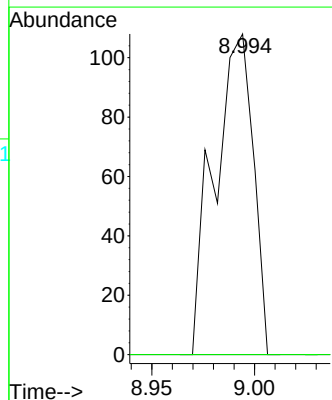
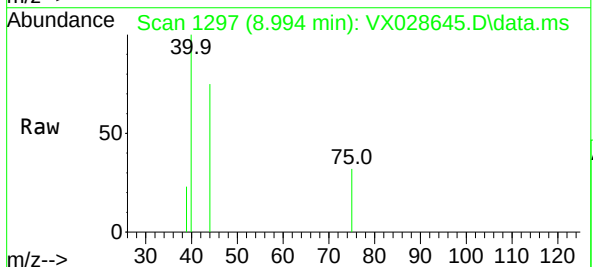
Instrument :
MSVOA_X
ClientSampleId :
DEWATERING-EFF-051022

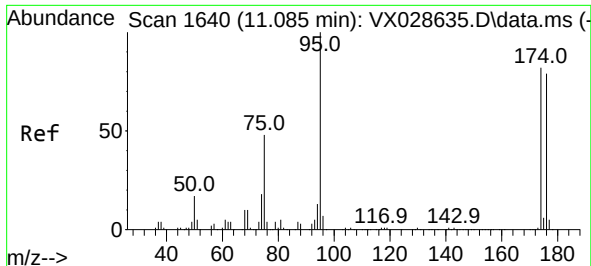
Tgt Ion: 98 Resp: 518922
Ion Ratio Lower Upper
98 100
100 65.4 52.6 78.8



#53
t-1,3-Dichloropropene
Concen: 1.669 ug/l
RT: 8.994 min Scan# 1297
Delta R.T. 0.018 min
Lab File: VX028645.D
Acq: 12 May 2022 18:02

Tgt Ion: 75 Resp: 143
Ion Ratio Lower Upper
75 100
77 0.0 25.4 38.0#

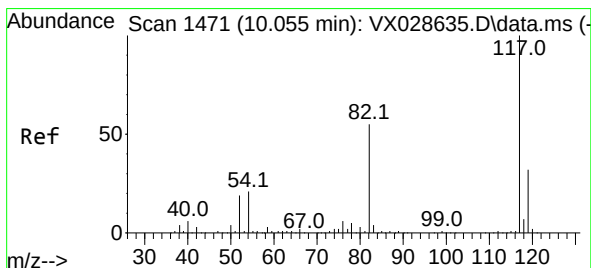
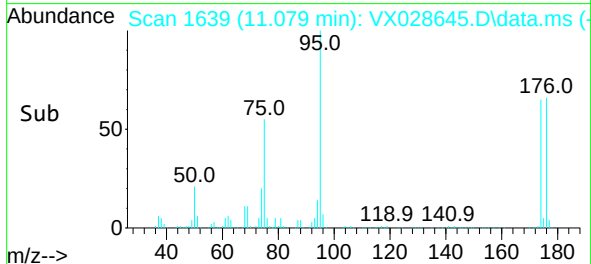
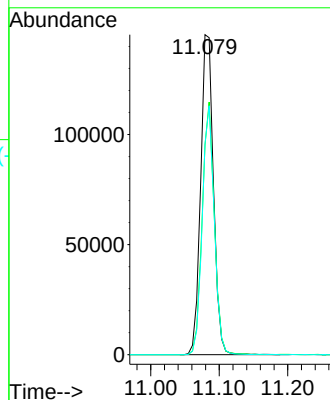
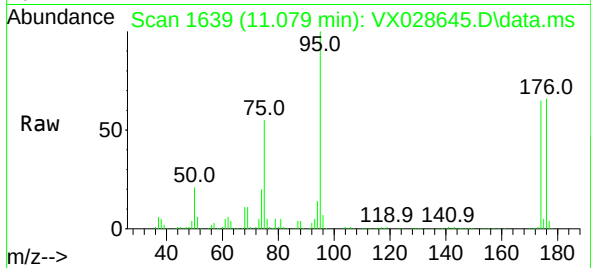




#62
4-Bromofluorobenzene
Concen: 47.580 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.006 min
Lab File: VX028645.D
Acq: 12 May 2022 18:02

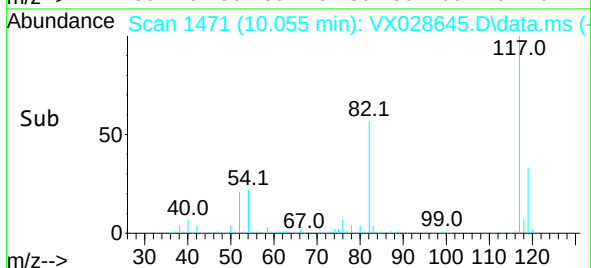
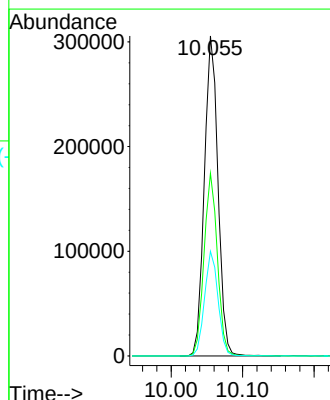
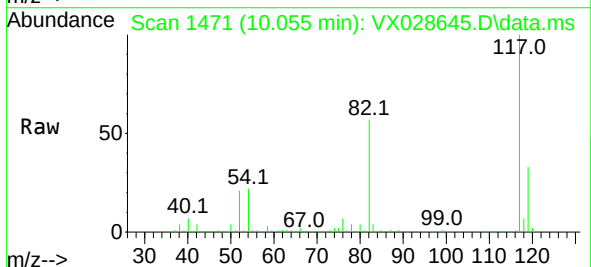
Instrument :
MSVOA_X
ClientSampleId :
DEWATERING-EFF-051022

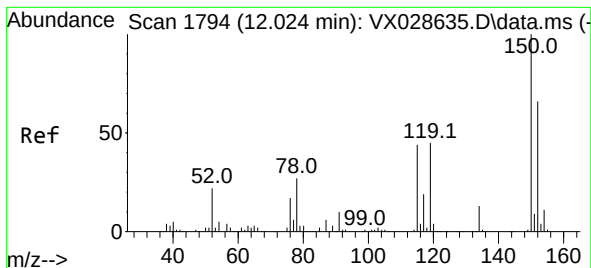
Tgt Ion: 95 Resp: 189280
Ion Ratio Lower Upper
95 100
174 74.5 0.0 163.0
176 73.0 0.0 155.0



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. -0.000 min
Lab File: VX028645.D
Acq: 12 May 2022 18:02

Tgt Ion: 117 Resp: 405504
Ion Ratio Lower Upper
117 100
82 57.1 41.8 62.8
119 32.7 24.8 37.2





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.024 min Scan# 11

Delta R.T. 0.000 min

Lab File: VX028645.D

Acq: 12 May 2022 18:02

Instrument :

MSVOA_X

ClientSampleId :

DEWATERING-EFF-051022

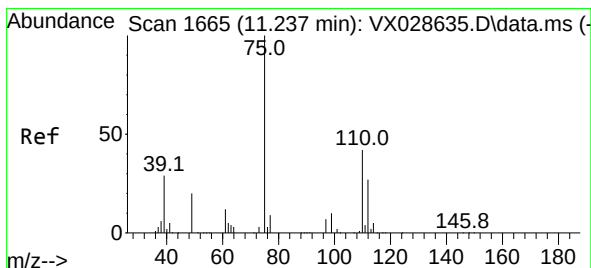
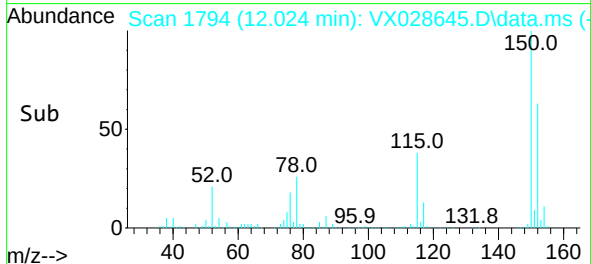
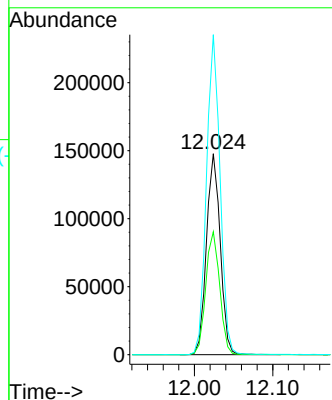
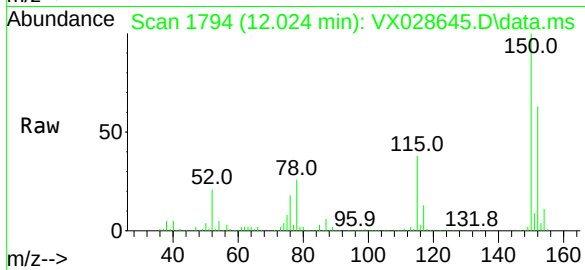
Tgt Ion:152 Resp: 180122

Ion Ratio Lower Upper

152 100

115 61.7 37.5 112.7

150 156.8 0.0 338.2



#76

1,2,3-Trichloropropane

Concen: 24.136 ug/l

RT: 11.079 min Scan# 1639

Delta R.T. -0.158 min

Lab File: VX028645.D

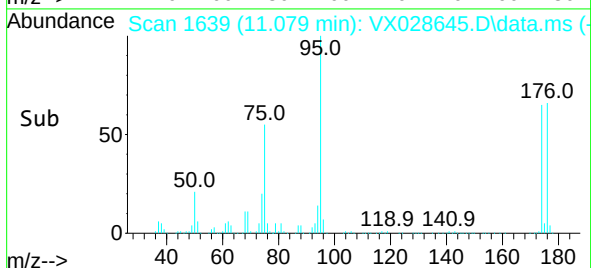
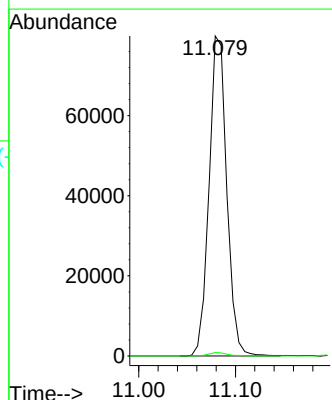
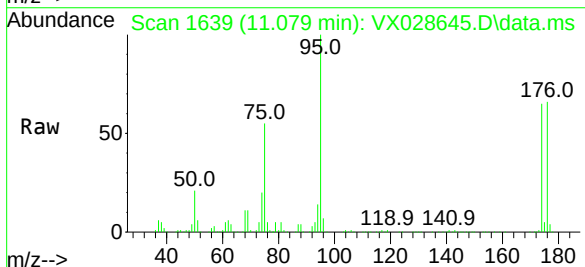
Acq: 12 May 2022 18:02

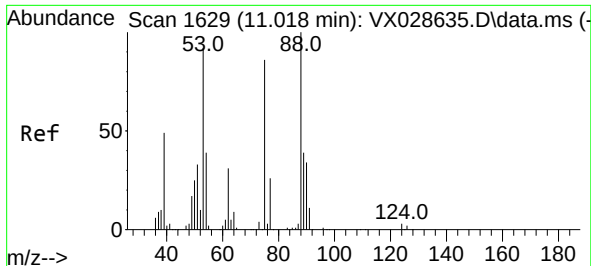
Tgt Ion: 75 Resp: 101814

Ion Ratio Lower Upper

75 100

77 1.1 19.4 58.2#

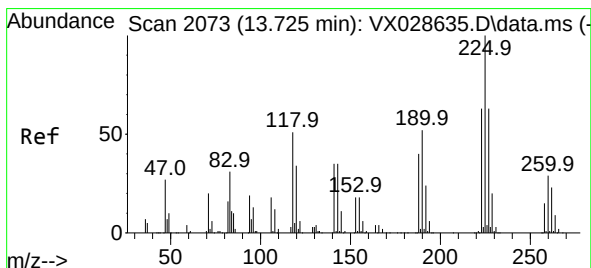
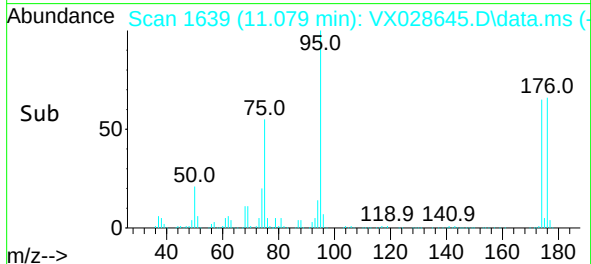
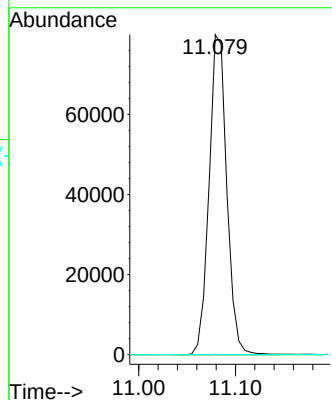
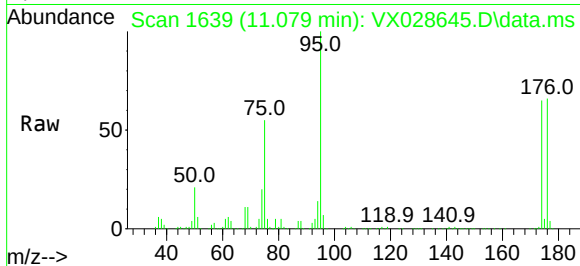




#81
trans-1,4-Dichloro-2-butene
Concen: 70.301 ug/l
RT: 11.079 min Scan# 1
Delta R.T. 0.061 min
Lab File: VX028645.D
Acq: 12 May 2022 18:02

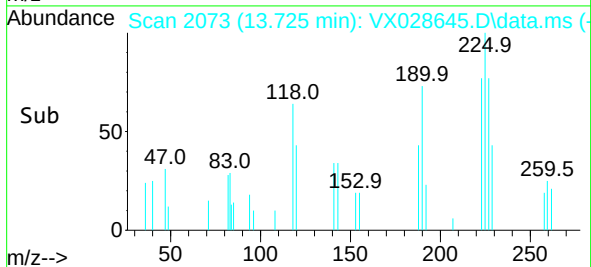
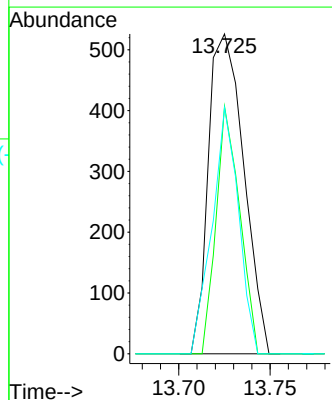
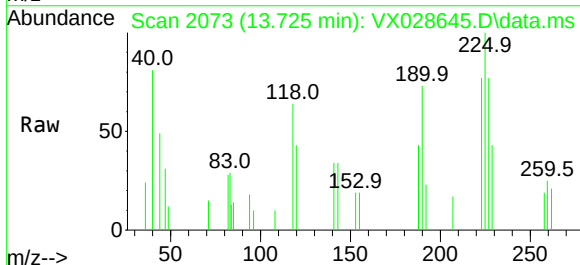
Instrument :
MSVOA_X
ClientSampleId :
DEWATERING-EFF-051022

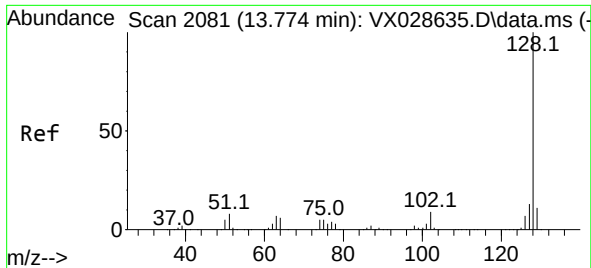
Tgt Ion: 75 Resp: 101814
Ion Ratio Lower Upper
75 100
53 0.0 69.0 103.4#
89 0.0 37.0 55.6#



#94
Hexachlorobutadiene
Concen: 0.485 ug/l
RT: 13.725 min Scan# 2073
Delta R.T. 0.000 min
Lab File: VX028645.D
Acq: 12 May 2022 18:02

Tgt Ion: 225 Resp: 708
Ion Ratio Lower Upper
225 100
223 51.7 34.2 102.5
227 57.8 33.9 101.7

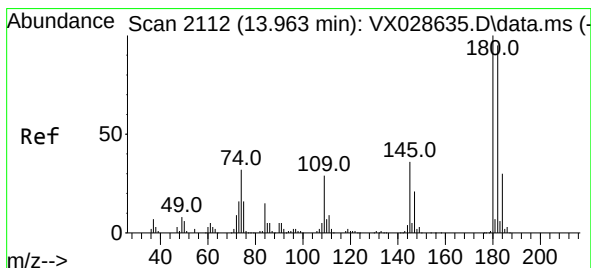
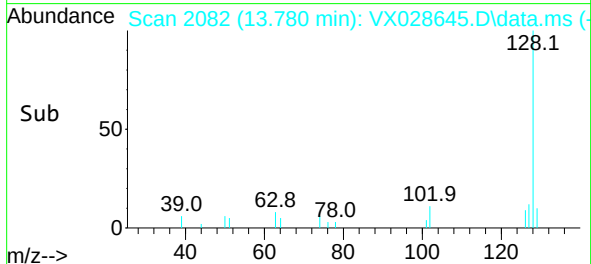
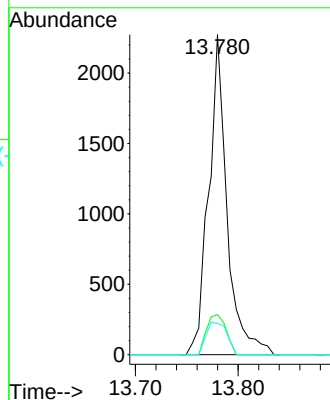
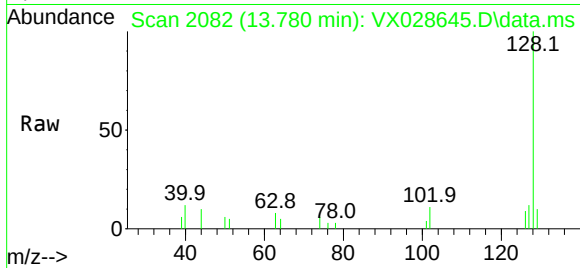




#95
Naphthalene
Concen: 0.221 ug/l
RT: 13.780 min Scan# 2081
Delta R.T. 0.006 min
Lab File: VX028645.D
Acq: 12 May 2022 18:02

Instrument :
MSVOA_X
ClientSampleId :
DEWATERING-EFF-051022

Tgt Ion:128	Resp:	2831
Ion Ratio	Lower	Upper
128	100	
127	13.3	10.2 15.4
129	11.4	8.7 13.1



#96
1,2,3-Trichlorobenzene
Concen: 0.238 ug/l
RT: 13.963 min Scan# 2112
Delta R.T. -0.000 min
Lab File: VX028645.D
Acq: 12 May 2022 18:02

Tgt Ion:180	Resp:	860
Ion Ratio	Lower	Upper
180	100	
182	96.9	50.0 149.8
145	38.7	16.2 48.5

