

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN033122\
 Data File : VN071716.D
 Acq On : 31 Mar 2022 20:02
 Operator : JC\MD
 Sample : N2152-03
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 PIT-11-DEWATERING-EFFL-TREATED

Quant Time: Apr 01 01:40:26 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N033022W.M
 Quant Title : SW846 8260
 QLast Update : Thu Mar 31 01:57:54 2022
 Response via : Initial Calibration

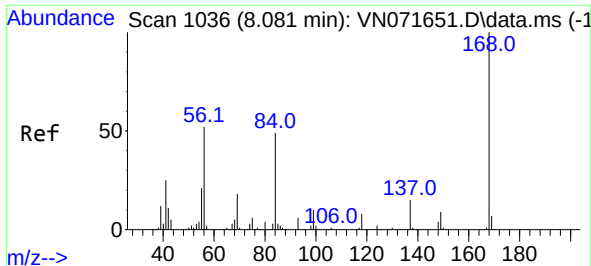
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) Pentafluorobenzene	8.087	168	652477	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.969	114	1065414	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.739	117	1079855	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.674	152	406469	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.440	65	359880	48.314	ug/l	0.00
Spiked Amount	50.000	Range	61 - 141	Recovery	=	96.620%
35) Dibromofluoromethane	8.022	113	310583	49.540	ug/l	0.00
Spiked Amount	50.000	Range	69 - 133	Recovery	=	99.080%
50) Toluene-d8	10.439	98	1322949	51.584	ug/l	0.00
Spiked Amount	50.000	Range	65 - 126	Recovery	=	103.160%
62) 4-Bromofluorobenzene	12.727	95	475667	57.348	ug/l	0.00
Spiked Amount	50.000	Range	58 - 135	Recovery	=	114.700%
Target Compounds						
					Qvalue	
3) Chloromethane	2.299	50	4095	0.623	ug/l #	75
5) Bromomethane	2.881	94	1719	0.366	ug/l #	66
16) Acetone	4.299	43	41839	13.143	ug/l	99
18) Methyl Acetate	4.869	43	3125	Below Cal	#	82
25) 2-Butanone	7.334	43	1023931	223.118	ug/l	100
28) Bromochloromethane	7.681	49	3342	0.742	ug/l #	8
29) Tetrahydrofuran	7.681	42	1665209	560.384	ug/l	98
31) Cyclohexane	8.081	56	11032	1.089	ug/l #	1
36) 1,1-Dichloropropene	8.087	75	45501	5.197	ug/l #	48
37) Ethyl Acetate	7.334	43	1023931	106.853	ug/l #	67
38) Carbon Tetrachloride	8.087	117	58957	6.871	ug/l #	18
41) Methacrylonitrile	7.681	41	918782	195.819	ug/l #	33
43) Isopropyl Acetate	8.616	43	9593	0.602	ug/l #	53
59) 2-Hexanone	11.086	43	2696	0.418	ug/l	68
75) 1,1,2,2-Tetrachloroethane	12.675	83	13146	1.150	ug/l #	25
76) 1,2,3-Trichloropropane	12.727	75	231035	24.536	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.727	75	231035	76.036	ug/l #	10
93) 1,2,4-Trichlorobenzene	15.263	180	1164	2.258	ug/l #	86
95) Naphthalene	15.504	128	5299	4.067	ug/l #	85
96) 1,2,3-Trichlorobenzene	15.698	180	1669	2.668	ug/l #	84

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

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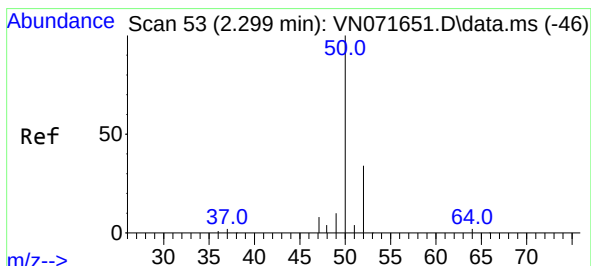
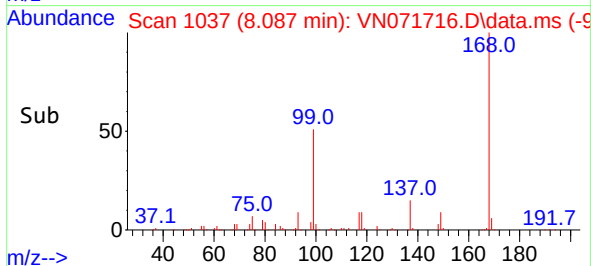
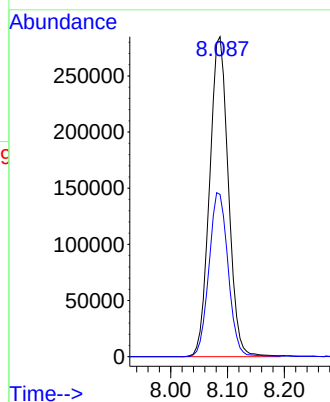
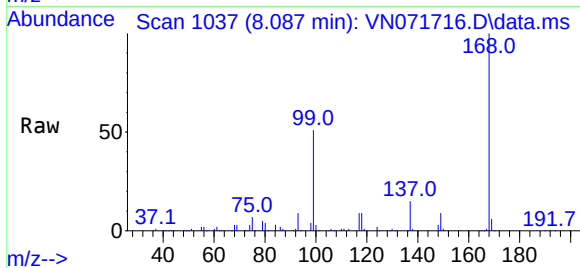




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.087 min Scan# 10
Delta R.T. 0.006 min
Lab File: VN071716.D
Acq: 31 Mar 2022 20:02

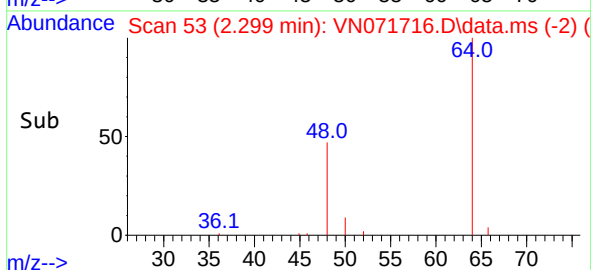
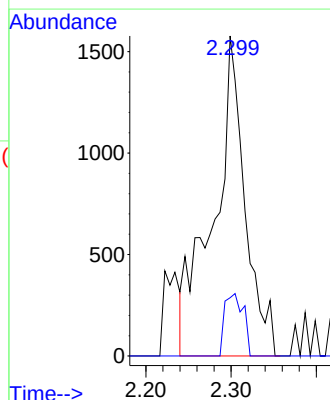
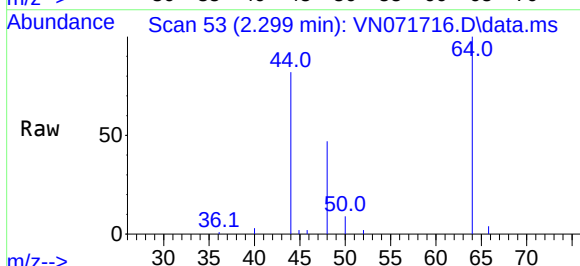
Instrument :
MSVOA_N
ClientSampleId :
PIT-11-DEWATERING-EFFL-TREATED

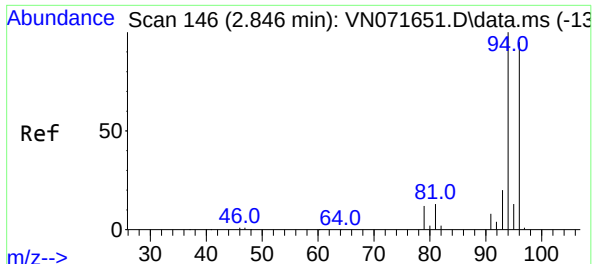
Tgt Ion:168 Resp: 652477
Ion Ratio Lower Upper
168 100
99 50.7 42.3 63.5



#3
Chloromethane
Concen: 0.623 ug/l
RT: 2.299 min Scan# 53
Delta R.T. -0.000 min
Lab File: VN071716.D
Acq: 31 Mar 2022 20:02

Tgt Ion: 50 Resp: 4095
Ion Ratio Lower Upper
50 100
52 18.2 25.7 38.5#

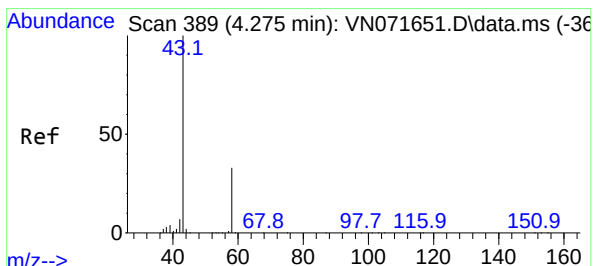
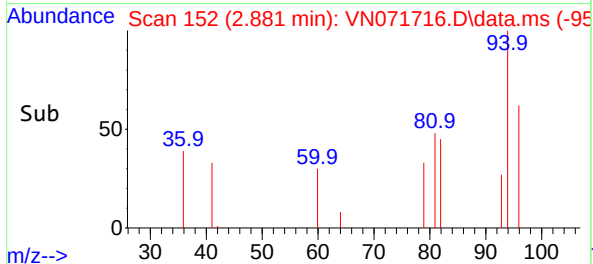
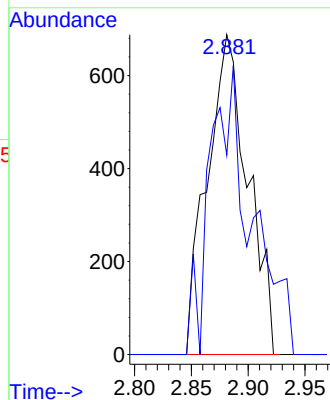
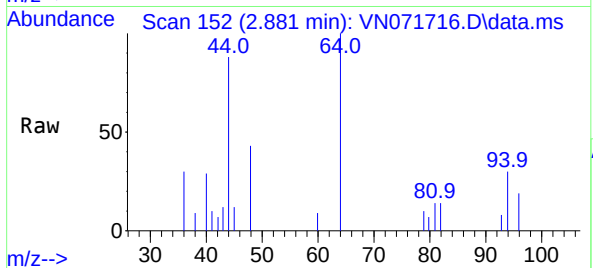




#5
Bromomethane
Concen: 0.366 ug/l
RT: 2.881 min Scan# 11
Delta R.T. 0.035 min
Lab File: VN071716.D
Acq: 31 Mar 2022 20:02

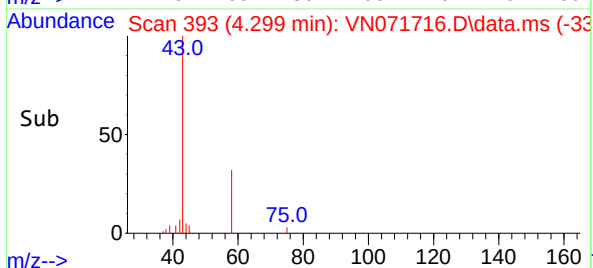
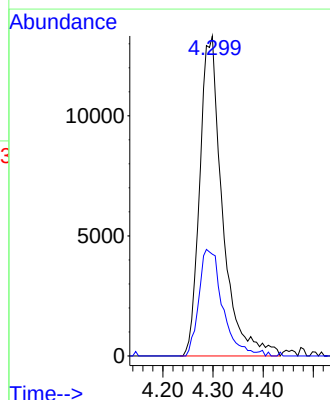
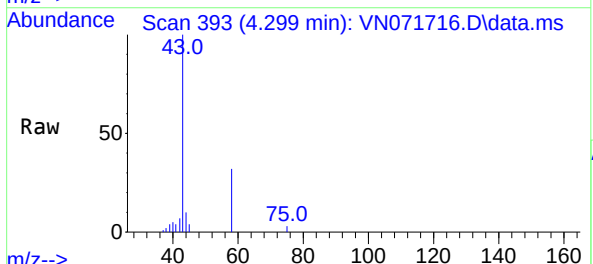
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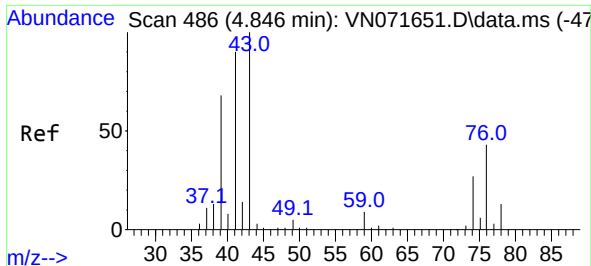
Tgt Ion: 94 Resp: 1719
Ion Ratio Lower Upper
94 100
96 62.4 76.0 114.0#



#16
Acetone
Concen: 13.143 ug/l
RT: 4.299 min Scan# 393
Delta R.T. 0.024 min
Lab File: VN071716.D
Acq: 31 Mar 2022 20:02

Tgt Ion: 43 Resp: 41839
Ion Ratio Lower Upper
43 100
58 31.8 26.0 39.0

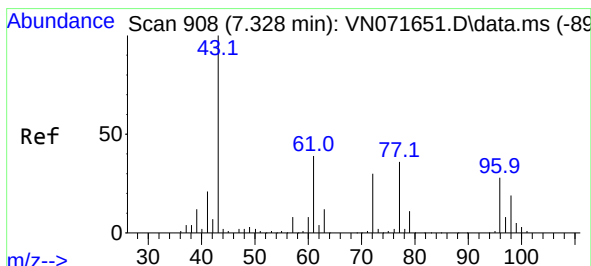
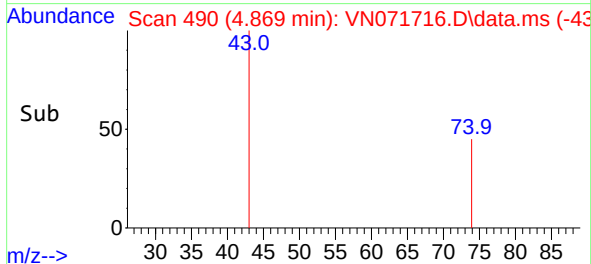
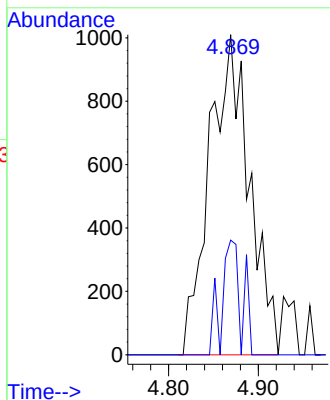
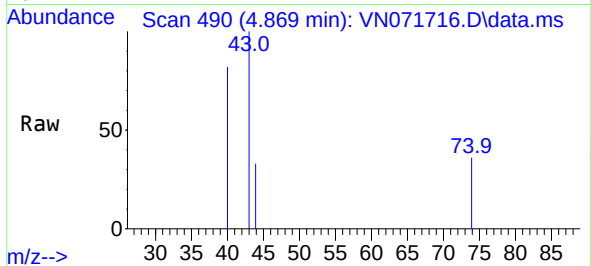




#18
Methyl Acetate
Concen: Below Cal
RT: 4.869 min Scan# 490
Delta R.T. 0.023 min
Lab File: VN071716.D
Acq: 31 Mar 2022 20:02

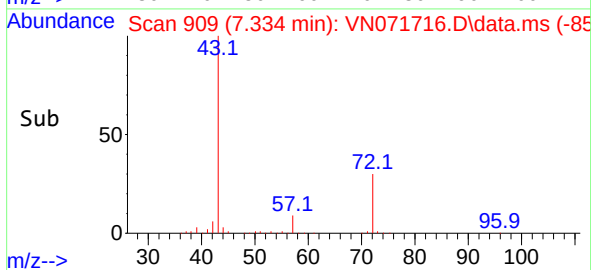
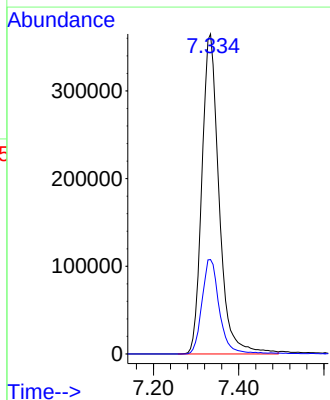
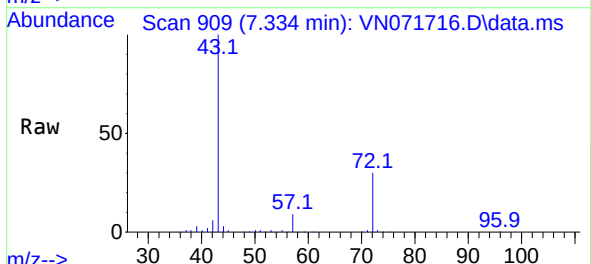
Instrument :
MSVOA_N
ClientSampleId :
PIT-11-DEWATERING-EFFL-TREATED

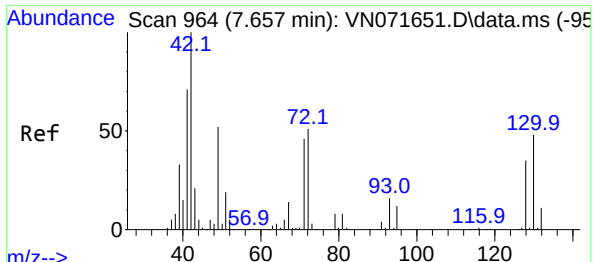
Tgt Ion: 43 Resp: 3125
Ion Ratio Lower Upper
43 100
74 17.8 21.6 32.4#



#25
2-Butanone
Concen: 223.118 ug/l
RT: 7.334 min Scan# 909
Delta R.T. 0.006 min
Lab File: VN071716.D
Acq: 31 Mar 2022 20:02

Tgt Ion: 43 Resp: 1023931
Ion Ratio Lower Upper
43 100
72 29.5 23.7 35.5

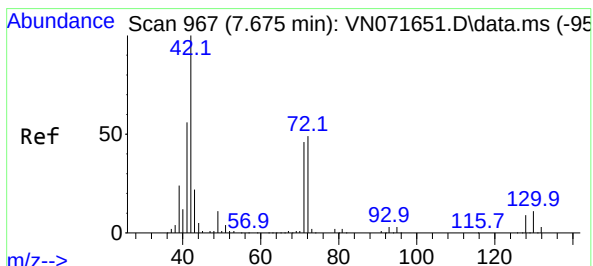
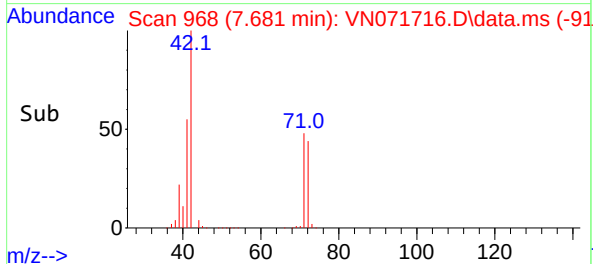
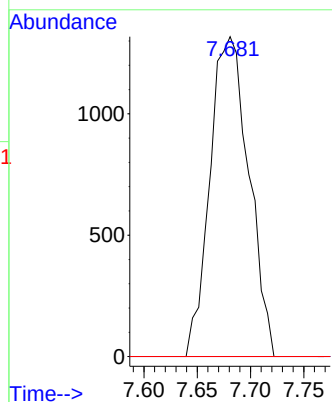
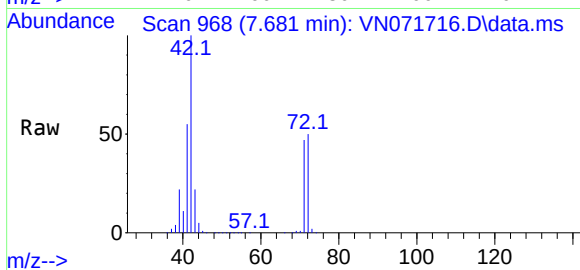




#28
Bromochloromethane
Concen: 0.742 ug/l
RT: 7.681 min Scan# 968
Delta R.T. 0.024 min
Lab File: VN071716.D
Acq: 31 Mar 2022 20:02

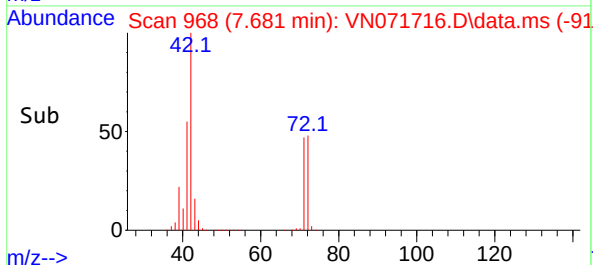
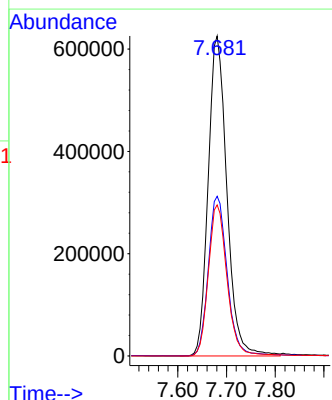
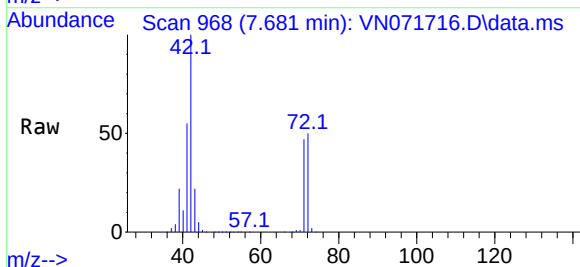
Instrument :
MSVOA_N
ClientSampleId :
PIT-11-DEWATERING-EFFL-TREATED

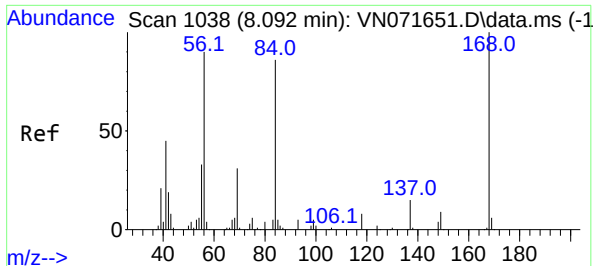
Tgt Ion: 49 Resp: 3342
Ion Ratio Lower Upper
49 100
129 0.0 0.0 4.6
130 0.0 69.7 104.5#



#29
Tetrahydrofuran
Concen: 560.384 ug/l
RT: 7.681 min Scan# 968
Delta R.T. 0.006 min
Lab File: VN071716.D
Acq: 31 Mar 2022 20:02

Tgt Ion: 42 Resp: 1665209
Ion Ratio Lower Upper
42 100
72 50.4 39.7 59.5
71 47.3 36.6 55.0

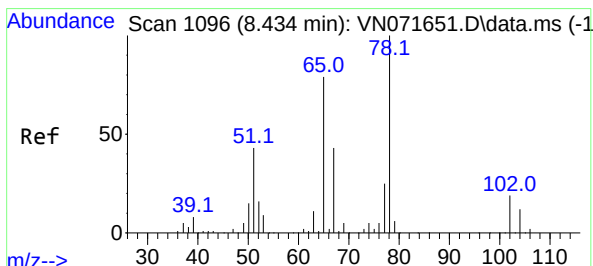
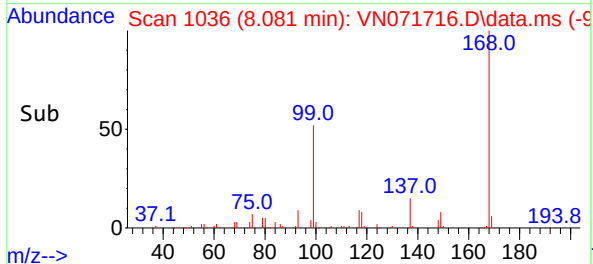
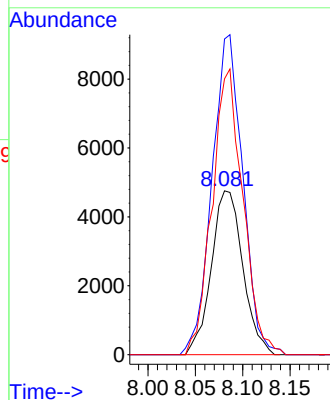
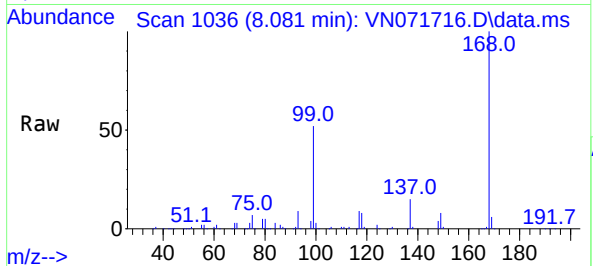




#31
Cyclohexane
Concen: 1.089 ug/l
RT: 8.081 min Scan# 1036
Delta R.T. -0.011 min
Lab File: VN071716.D
Acq: 31 Mar 2022 20:02

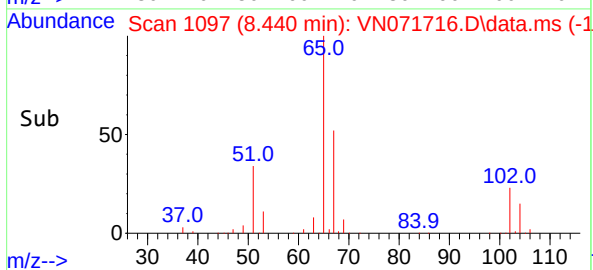
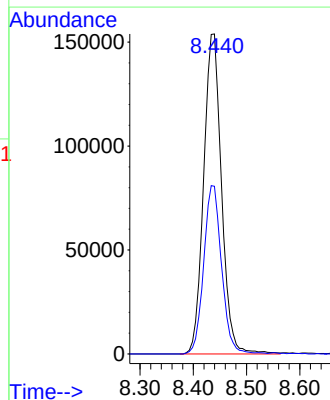
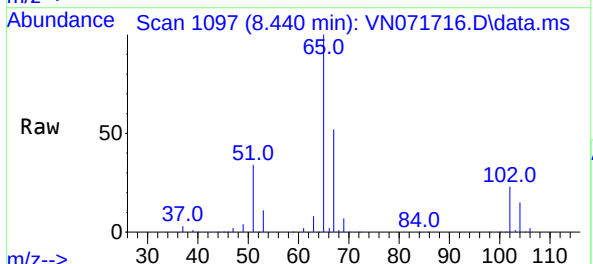
Instrument : MSVOA_N
ClientSampleId : PIT-11-DEWATERING-EFFL-TREATED

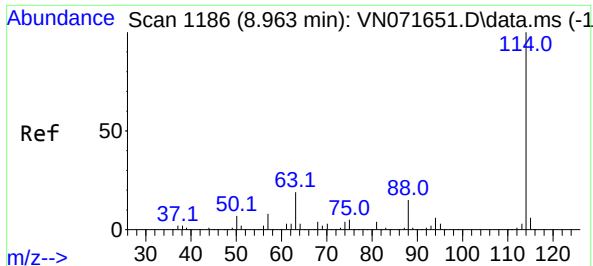
Tgt Ion: 56 Resp: 11032
Ion Ratio Lower Upper
56 100
69 192.7 27.8 41.8#
84 168.4 76.9 115.3#



#33
1,2-Dichloroethane-d4
Concen: 48.314 ug/l
RT: 8.440 min Scan# 1097
Delta R.T. 0.006 min
Lab File: VN071716.D
Acq: 31 Mar 2022 20:02

Tgt Ion: 65 Resp: 359880
Ion Ratio Lower Upper
65 100
67 52.4 0.0 104.8





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.969 min Scan# 1186

Delta R.T. 0.006 min

Lab File: VN071716.D

Acq: 31 Mar 2022 20:02

Instrument :

MSVOA_N

ClientSampleId :

PIT-11-DEWATERING-EFFL-TREATED

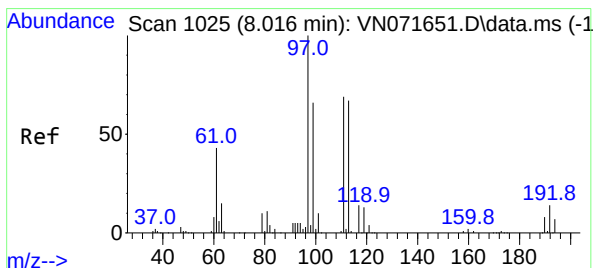
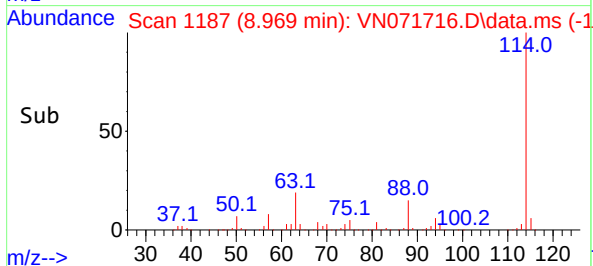
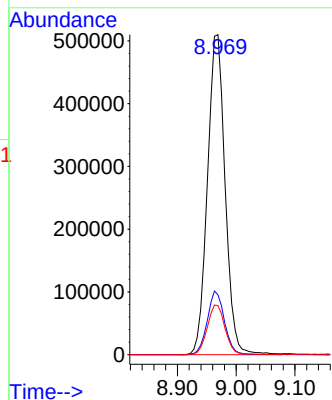
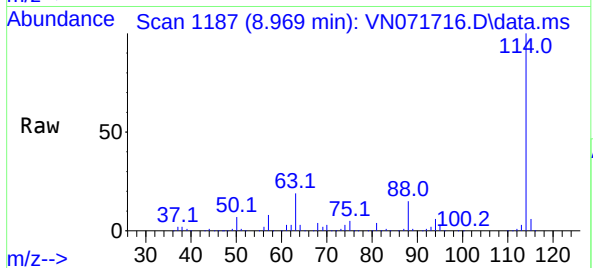
Tgt Ion:114 Resp: 1065414

Ion Ratio Lower Upper

114 100

63 18.7 0.0 40.0

88 15.4 0.0 32.6



#35

Dibromofluoromethane

Concen: 49.540 ug/l

RT: 8.022 min Scan# 1026

Delta R.T. 0.006 min

Lab File: VN071716.D

Acq: 31 Mar 2022 20:02

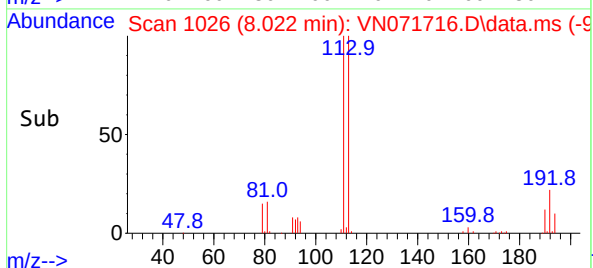
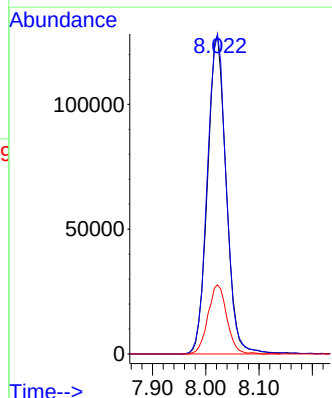
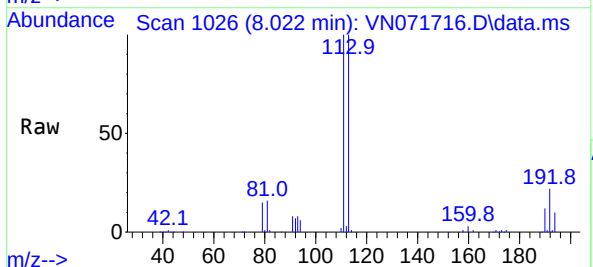
Tgt Ion:113 Resp: 310583

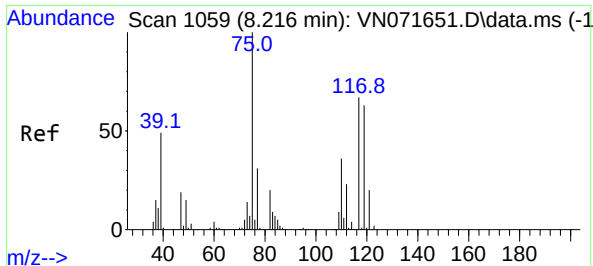
Ion Ratio Lower Upper

113 100

111 101.4 81.4 122.0

192 21.9 17.0 25.6

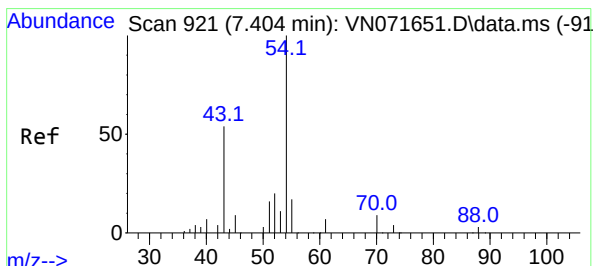
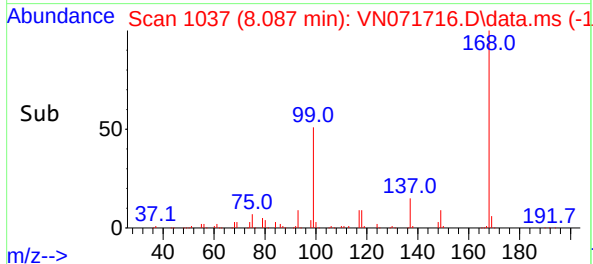
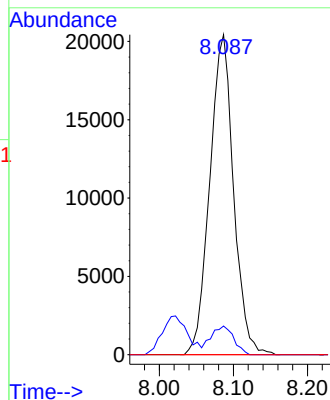
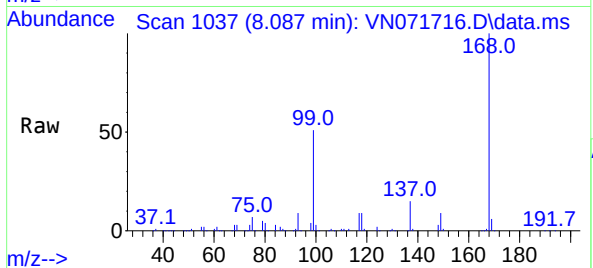




#36
1,1-Dichloropropene
Concen: 5.197 ug/l
RT: 8.087 min Scan# 1059
Delta R.T. -0.129 min
Lab File: VN071716.D
Acq: 31 Mar 2022 20:02

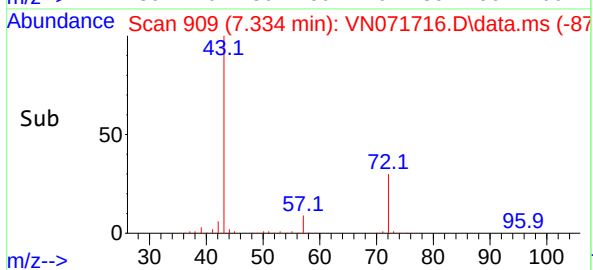
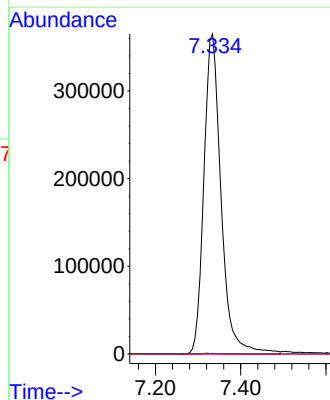
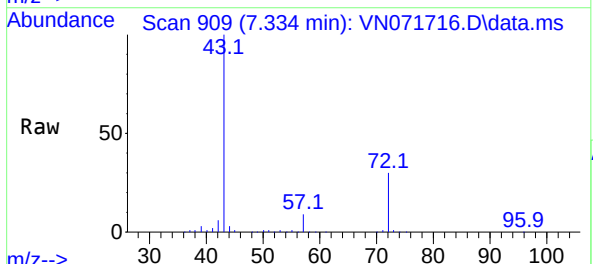
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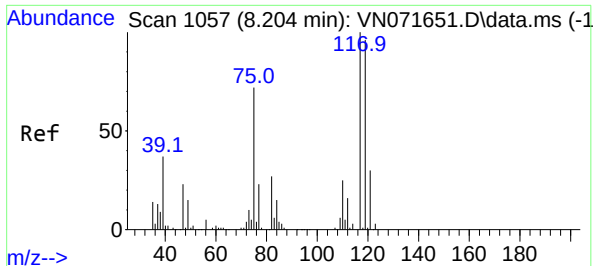
Tgt Ion: 75 Resp: 45501
Ion Ratio Lower Upper
75 100
110 8.6 18.3 54.8#
77 0.0 25.1 37.7#



#37
Ethyl Acetate
Concen: 106.853 ug/l
RT: 7.334 min Scan# 909
Delta R.T. -0.070 min
Lab File: VN071716.D
Acq: 31 Mar 2022 20:02

Tgt Ion: 43 Resp: 1023931
Ion Ratio Lower Upper
43 100
61 0.0 11.8 17.6#
70 0.2 9.3 13.9#

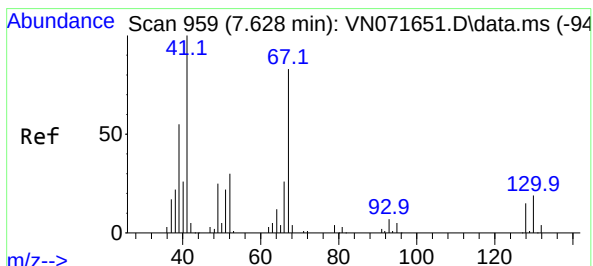
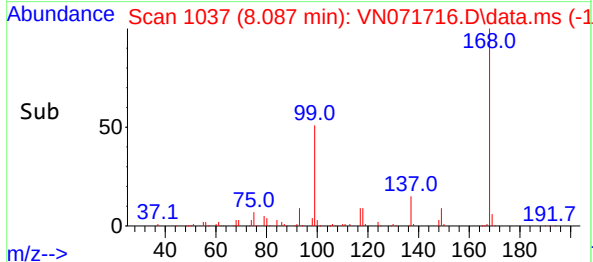
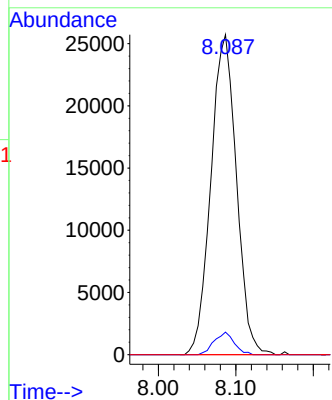
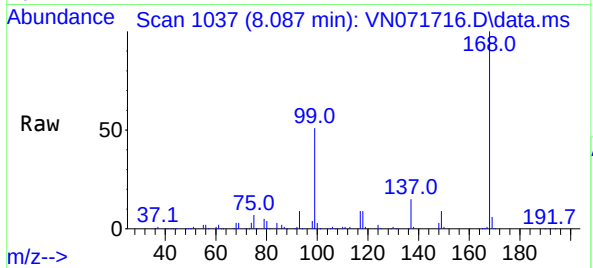




#38
Carbon Tetrachloride
Concen: 6.871 ug/l
RT: 8.087 min Scan# 1057
Delta R.T. -0.117 min
Lab File: VN071716.D
Acq: 31 Mar 2022 20:02

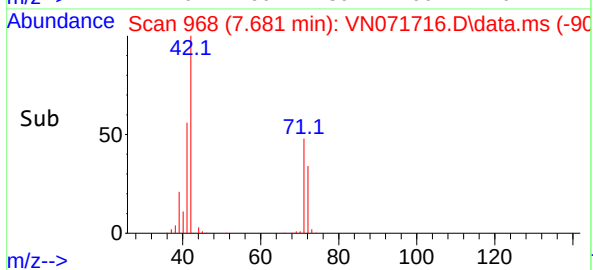
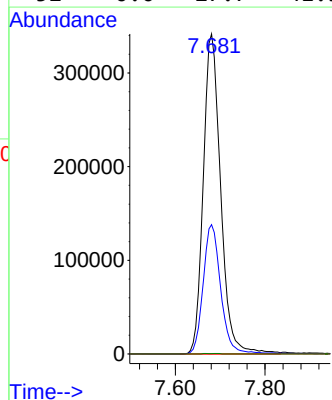
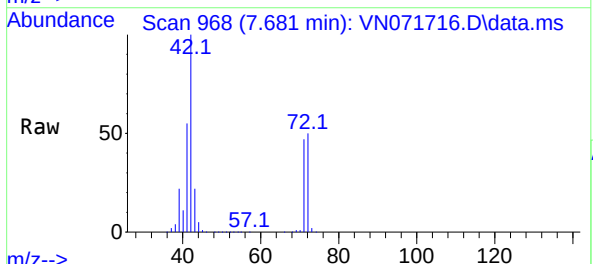
Instrument : MSVOA_N
ClientSampleId : PIT-11-DEWATERING-EFFL-TREATED

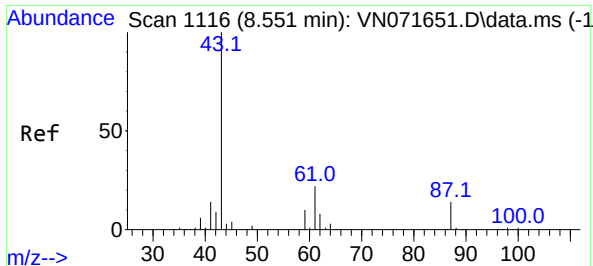
Tgt Ion:117 Resp: 58957
Ion Ratio Lower Upper
117 100
119 7.0 75.8 113.8#
121 0.0 24.6 37.0#



#41
Methacrylonitrile
Concen: 195.819 ug/l
RT: 7.681 min Scan# 968
Delta R.T. 0.053 min
Lab File: VN071716.D
Acq: 31 Mar 2022 20:02

Tgt Ion: 41 Resp: 918782
Ion Ratio Lower Upper
41 100
39 40.7 48.6 73.0#
67 0.0 73.4 110.2#
52 0.0 27.7 41.5#





#43

Isopropyl Acetate

Concen: 0.602 ug/l

RT: 8.616 min Scan# 1116

Delta R.T. 0.065 min

Lab File: VN071716.D

Acq: 31 Mar 2022 20:02

Instrument :

MSVOA_N

ClientSampleId :

PIT-11-DEWATERING-EFFL-TREATED

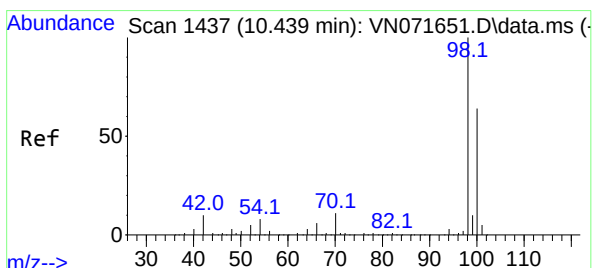
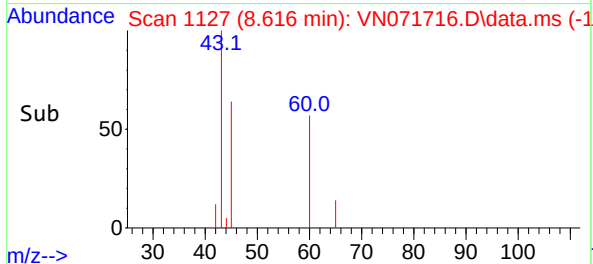
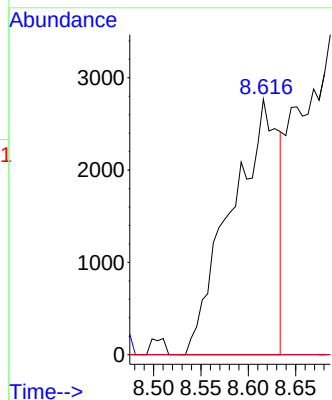
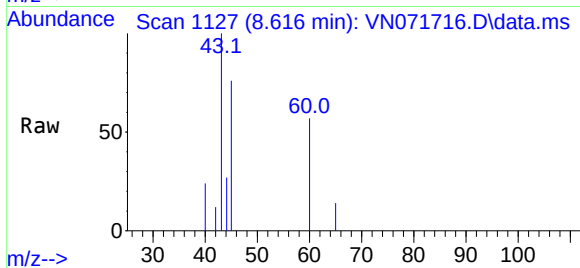
Tgt Ion: 43 Resp: 9593

Ion Ratio Lower Upper

43 100

61 0.0 21.9 32.9#

87 0.0 12.0 18.0#



#50

Toluene-d8

Concen: 51.584 ug/l

RT: 10.439 min Scan# 1437

Delta R.T. 0.000 min

Lab File: VN071716.D

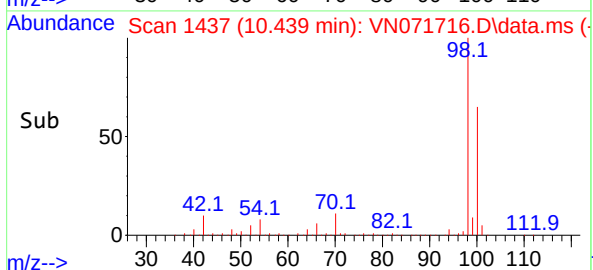
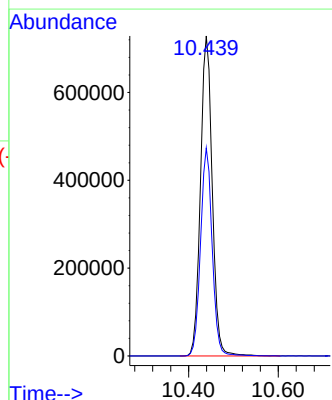
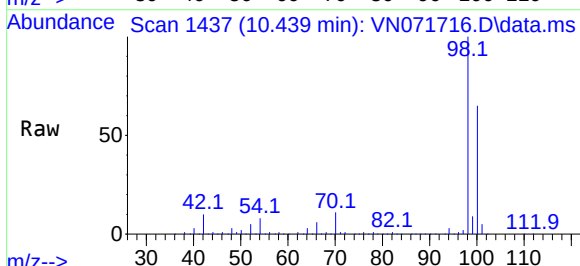
Acq: 31 Mar 2022 20:02

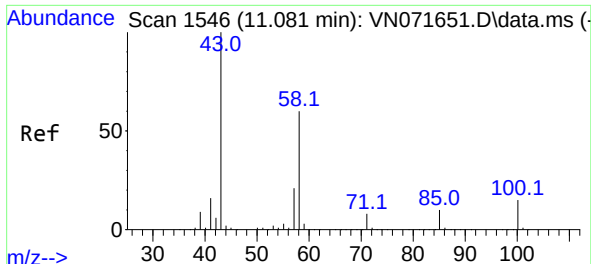
Tgt Ion: 98 Resp: 1322949

Ion Ratio Lower Upper

98 100

100 64.3 52.6 78.8

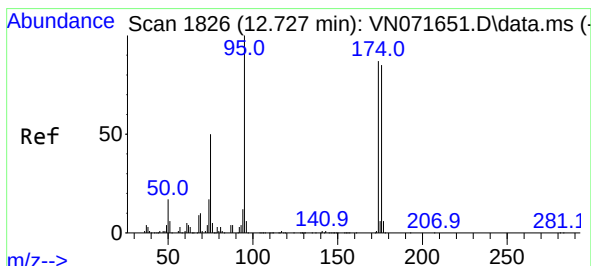
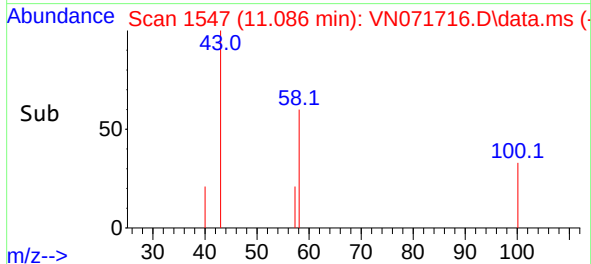
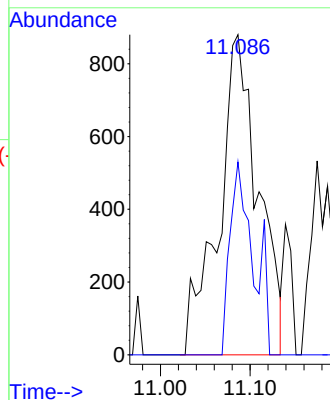
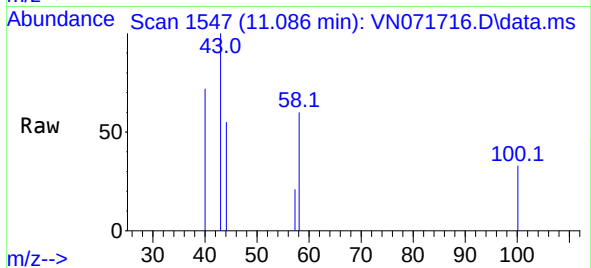




#59
2-Hexanone
Concen: 0.418 ug/l
RT: 11.086 min Scan# 11
Delta R.T. 0.005 min
Lab File: VN071716.D
Acq: 31 Mar 2022 20:02

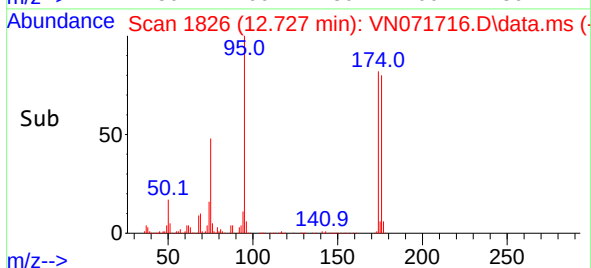
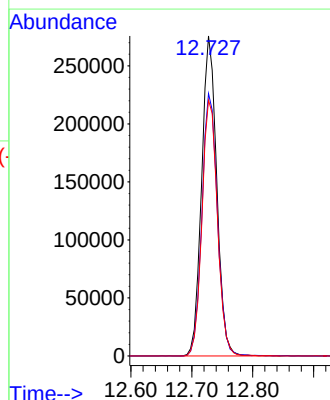
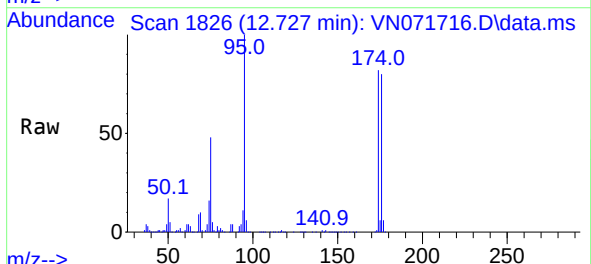
Instrument :
MSVOA_N
ClientSampleId :
PIT-11-DEWATERING-EFFL-TREATED

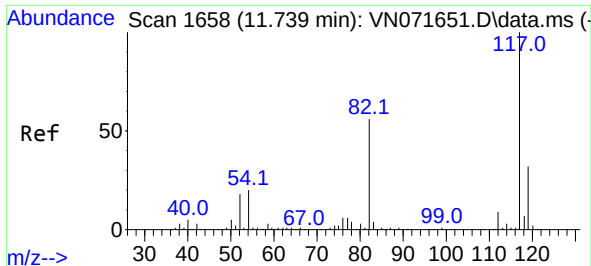
Tgt Ion: 43 Resp: 2696
Ion Ratio Lower Upper
43 100
58 35.2 29.7 89.1



#62
4-Bromofluorobenzene
Concen: 57.348 ug/l
RT: 12.727 min Scan# 1826
Delta R.T. 0.000 min
Lab File: VN071716.D
Acq: 31 Mar 2022 20:02

Tgt Ion: 95 Resp: 475667
Ion Ratio Lower Upper
95 100
174 83.9 0.0 167.6
176 81.6 0.0 163.4

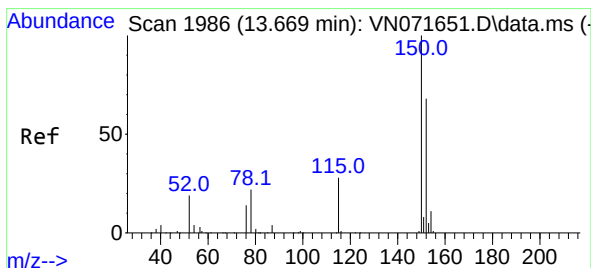
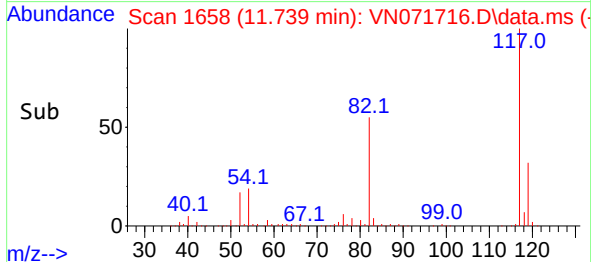
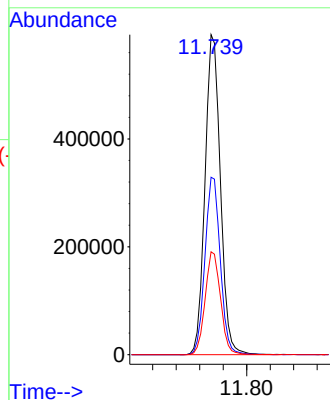
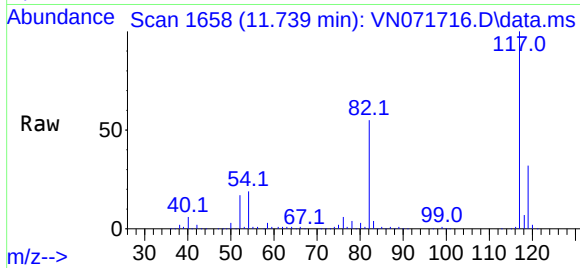




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.739 min Scan# 117
Delta R.T. 0.000 min
Lab File: VN071716.D
Acq: 31 Mar 2022 20:02

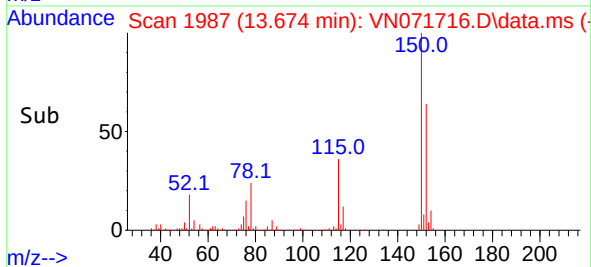
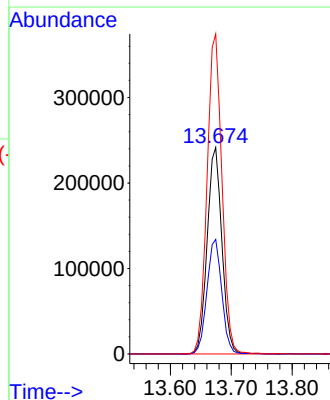
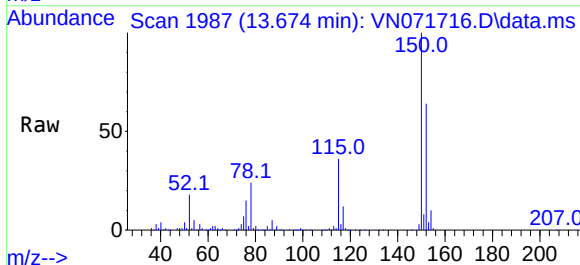
Instrument :
MSVOA_N
ClientSampleId :
PIT-11-DEWATERING-EFFL-TREATED

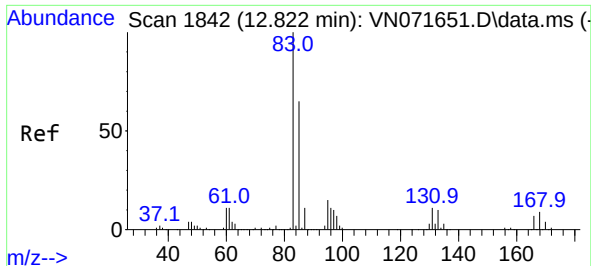
Tgt Ion:117 Resp: 1079855
Ion Ratio Lower Upper
117 100
82 55.4 44.2 66.2
119 32.1 25.4 38.0



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.674 min Scan# 1987
Delta R.T. 0.005 min
Lab File: VN071716.D
Acq: 31 Mar 2022 20:02

Tgt Ion:152 Resp: 406469
Ion Ratio Lower Upper
152 100
115 55.9 28.9 86.7
150 156.2 0.0 356.2

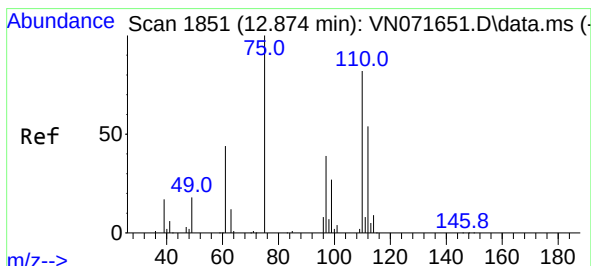
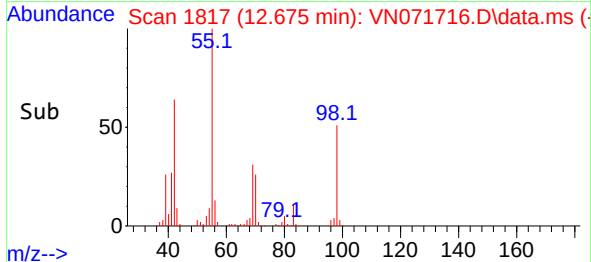
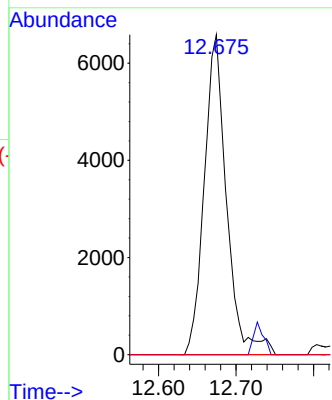
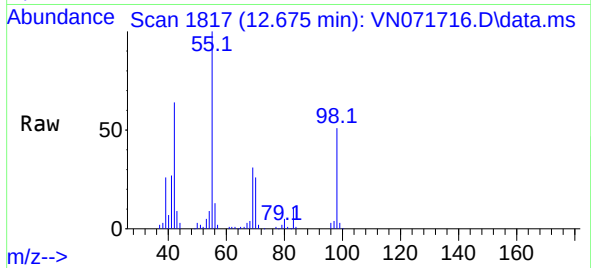




#75
1,1,2,2-Tetrachloroethane
Concen: 1.150 ug/l
RT: 12.675 min Scan# 1817
Delta R.T. -0.147 min
Lab File: VN071716.D
Acq: 31 Mar 2022 20:02

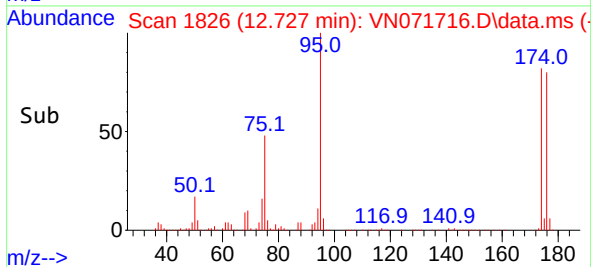
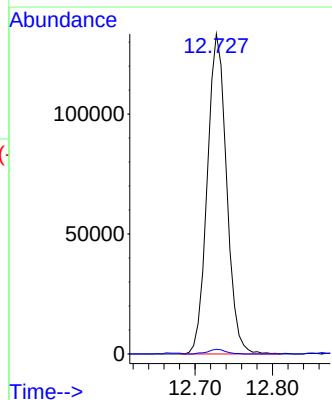
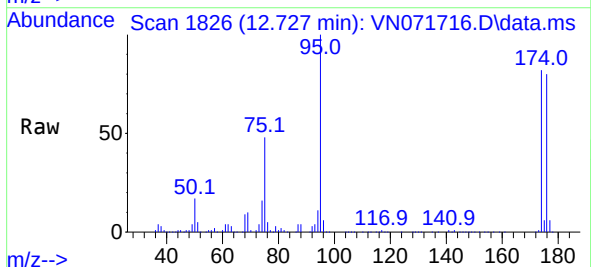
Instrument : MSVOA_N
ClientSampleId : PIT-11-DEWATERING-EFFL-TREATED

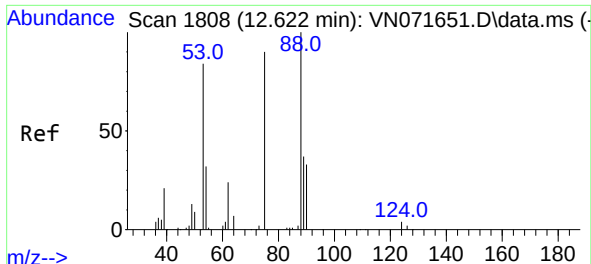
Tgt Ion: 83 Resp: 13146
Ion Ratio Lower Upper
83 100
131 0.0 5.3 15.9#
85 0.0 32.3 96.9#



#76
1,2,3-Trichloropropane
Concen: 24.536 ug/l
RT: 12.727 min Scan# 1826
Delta R.T. -0.147 min
Lab File: VN071716.D
Acq: 31 Mar 2022 20:02

Tgt Ion: 75 Resp: 231035
Ion Ratio Lower Upper
75 100
77 1.4 98.5 295.5#

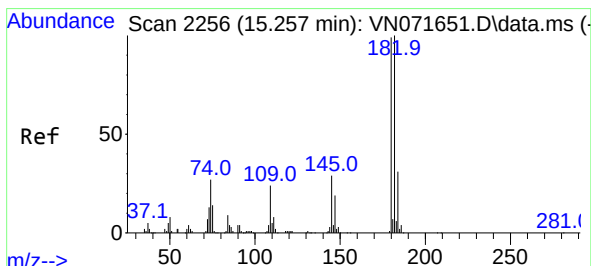
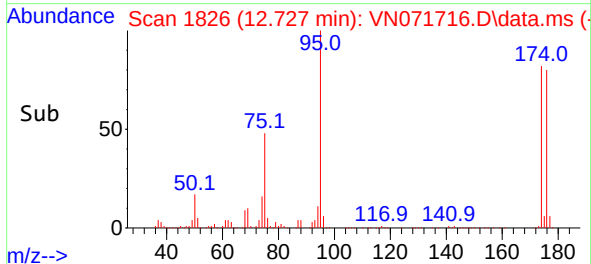
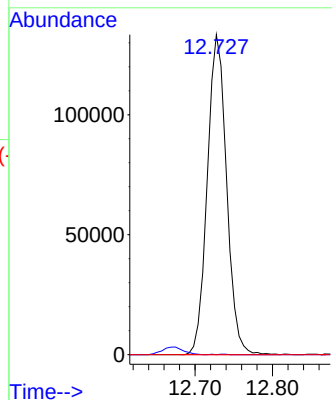
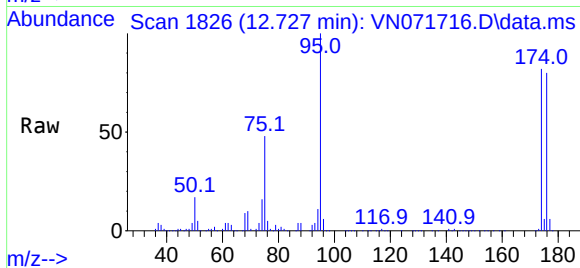




#81
trans-1,4-Dichloro-2-butene
Concen: 76.036 ug/l
RT: 12.727 min Scan# 1808
Delta R.T. 0.105 min
Lab File: VN071716.D
Acq: 31 Mar 2022 20:02

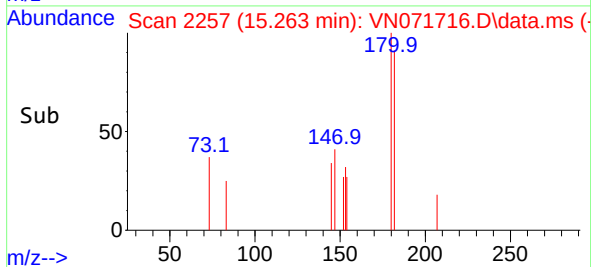
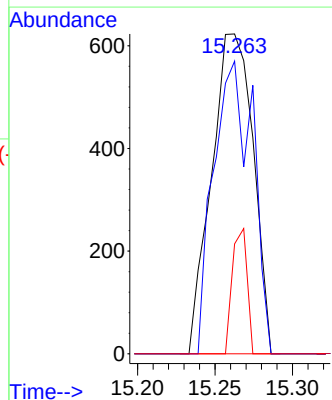
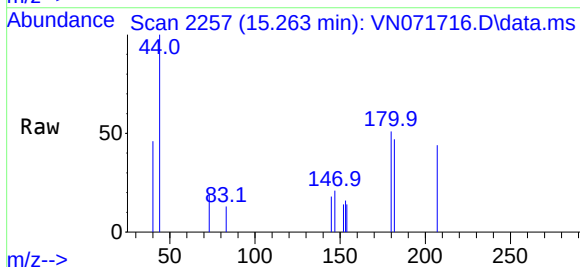
Instrument : MSVOA_N
ClientSampleId : PIT-11-DEWATERING-EFFL-TREATED

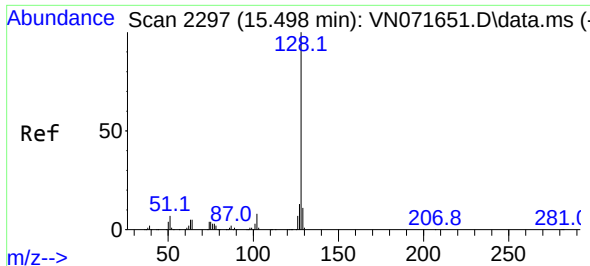
Tgt Ion: 75 Resp: 231035
Ion Ratio Lower Upper
75 100
53 0.1 78.0 117.0#
89 0.0 37.2 55.8#



#93
1,2,4-Trichlorobenzene
Concen: 2.258 ug/l
RT: 15.263 min Scan# 2257
Delta R.T. 0.006 min
Lab File: VN071716.D
Acq: 31 Mar 2022 20:02

Tgt Ion:180 Resp: 1164
Ion Ratio Lower Upper
180 100
182 85.9 47.5 142.5
145 13.9 14.5 43.5#

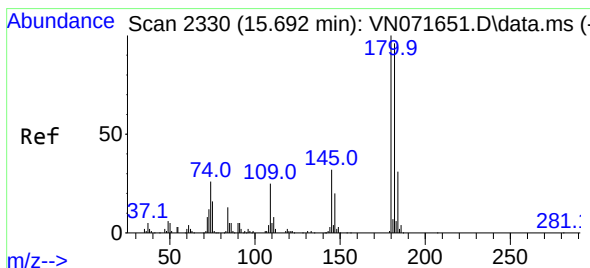
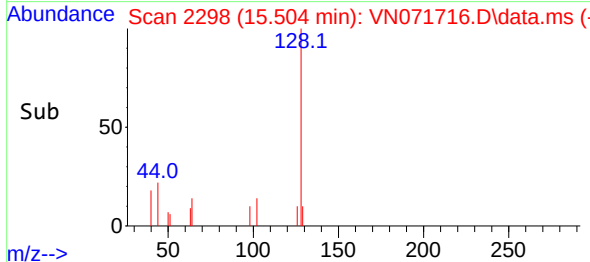
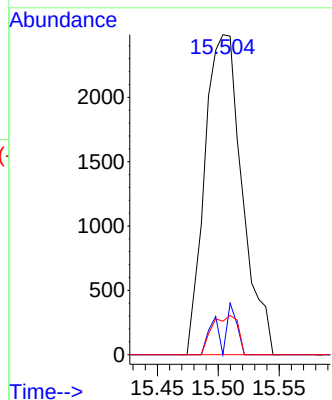
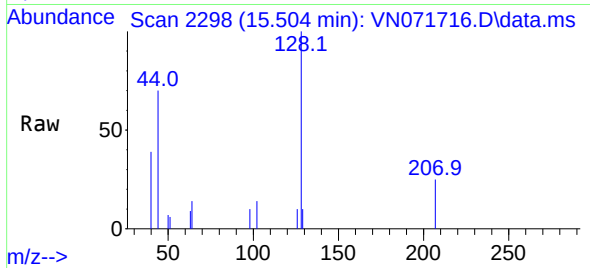




#95
Naphthalene
Concen: 4.067 ug/l
RT: 15.504 min Scan# 21
Delta R.T. 0.006 min
Lab File: VN071716.D
Acq: 31 Mar 2022 20:02

Instrument :
MSVOA_N
ClientSampleId :
PIT-11-DEWATERING-EFFL-TREATED

Tgt Ion:128 Resp: 5299
Ion Ratio Lower Upper
128 100
127 4.2 10.3 15.5#
129 8.5 8.6 13.0#



#96
1,2,3-Trichlorobenzene
Concen: 2.668 ug/l
RT: 15.698 min Scan# 2331
Delta R.T. 0.006 min
Lab File: VN071716.D
Acq: 31 Mar 2022 20:02

Tgt Ion:180 Resp: 1669
Ion Ratio Lower Upper
180 100
182 84.5 47.8 143.3
145 13.5 15.5 46.5#

