

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN021722\
 Data File : VN070991.D
 Acq On : 17 Feb 2022 20:03
 Operator : JC\MD
 Sample : N1581-18
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 WEST-DITCH-IN-20220215

Quant Time: Feb 18 00:51:13 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N021522W.M
 Quant Title : SW846 8260
 QLast Update : Wed Feb 16 07:52:42 2022
 Response via : Initial Calibration

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

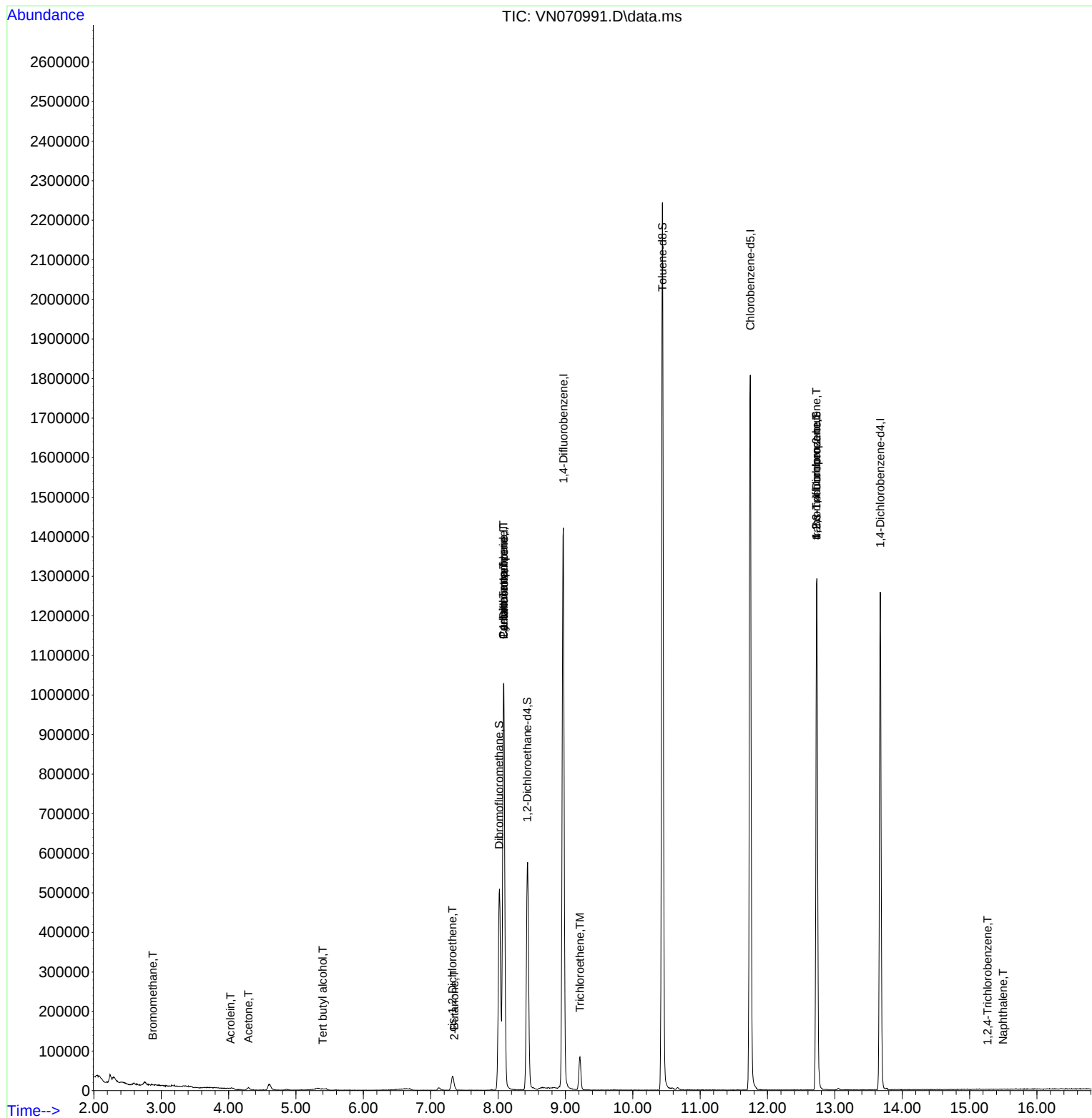
Internal Standards						
1) Pentafluorobenzene	8.086	168	806877	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.969	114	1266868	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.745	117	1095320	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.674	152	364366	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.433	65	479116	51.981	ug/l	0.00
Spiked Amount	50.000	Range	61 - 141	Recovery	= 103.960%	
35) Dibromofluoromethane	8.016	113	380886	50.547	ug/l	0.00
Spiked Amount	50.000	Range	69 - 133	Recovery	= 101.100%	
50) Toluene-d8	10.439	98	1525332	50.405	ug/l	0.00
Spiked Amount	50.000	Range	65 - 126	Recovery	= 100.820%	
62) 4-Bromofluorobenzene	12.727	95	467531	43.223	ug/l	0.00
Spiked Amount	50.000	Range	58 - 135	Recovery	= 86.440%	
Target Compounds						
					Qvalue	
5) Bromomethane	2.875	94	1298	0.217	ug/l #	73
11) Tert butyl alcohol	5.398	59	733	0.436	ug/l #	71
13) Acrolein	4.028	56	840	0.560	ug/l #	52
16) Acetone	4.292	43	7618	1.501	ug/l #	86
18) Methyl Acetate	4.851	43	4173	Below Cal	#	85
25) 2-Butanone	7.351	43	3503	0.519	ug/l	97
27) cis-1,2-Dichloroethene	7.322	96	18607	1.909	ug/l	96
31) Cyclohexane	8.080	56	16453	1.032	ug/l #	1
36) 1,1-Dichloropropene	8.080	75	59643	4.831	ug/l #	49
38) Carbon Tetrachloride	8.080	117	76767	6.311	ug/l #	17
44) Trichloroethene	9.216	130	31622	3.288	ug/l	91
76) 1,2,3-Trichloropropane	12.727	75	233016	27.161	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.727	75	233016	88.014	ug/l #	5
93) 1,2,4-Trichlorobenzene	15.268	180	125	2.017	ug/l #	52
95) Naphthalene	15.498	128	975	5.043	ug/l #	69

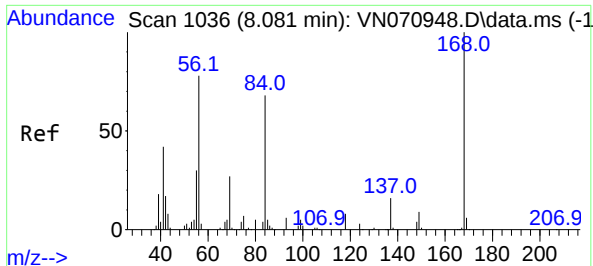
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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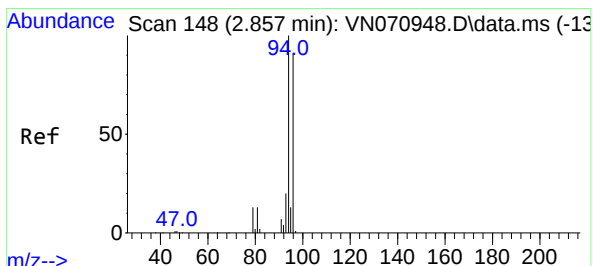
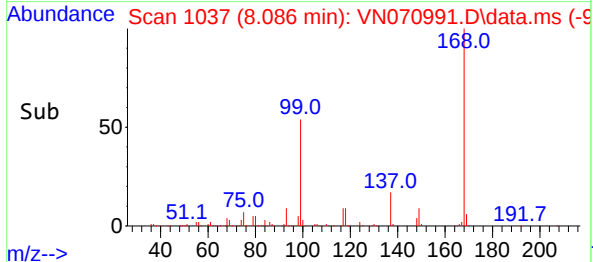
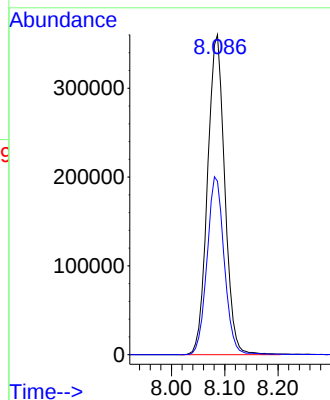
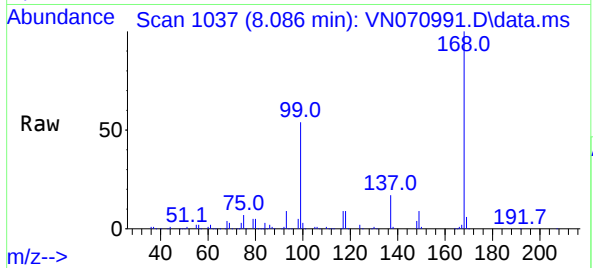




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.086 min Scan# 10
Delta R.T. 0.005 min
Lab File: VN070991.D
Acq: 17 Feb 2022 20:03

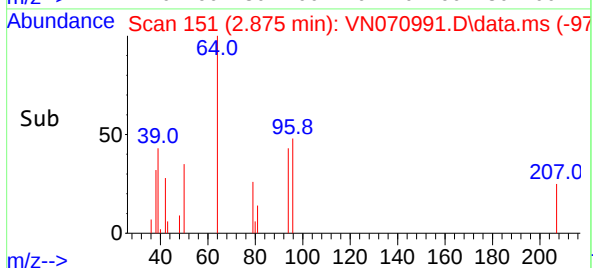
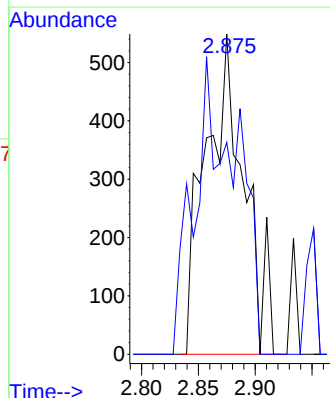
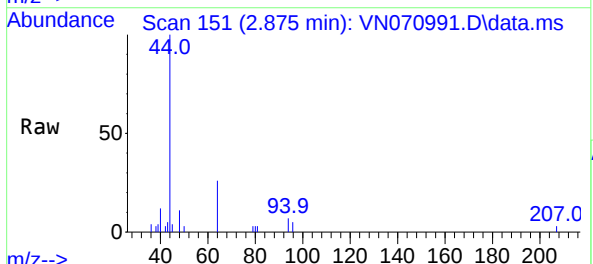
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MSVOA_N
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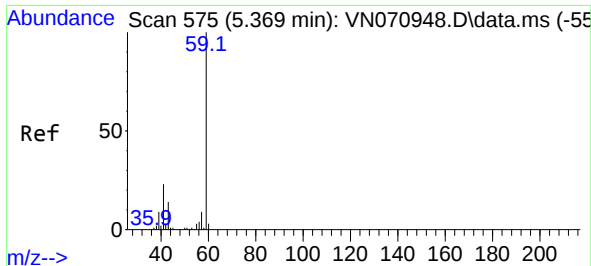
Tgt Ion:168 Resp: 806877
Ion Ratio Lower Upper
168 100
99 54.2 41.3 61.9



#5
Bromomethane
Concen: 0.217 ug/l
RT: 2.875 min Scan# 151
Delta R.T. 0.018 min
Lab File: VN070991.D
Acq: 17 Feb 2022 20:03

Tgt Ion: 94 Resp: 1298
Ion Ratio Lower Upper
94 100
96 66.1 73.8 110.8#





#11

Tert butyl alcohol

Concen: 0.436 ug/l

RT: 5.398 min Scan# 51

Delta R.T. 0.029 min

Lab File: VN070991.D

Acq: 17 Feb 2022 20:03

Instrument :

MSVOA_N

ClientSampleId :

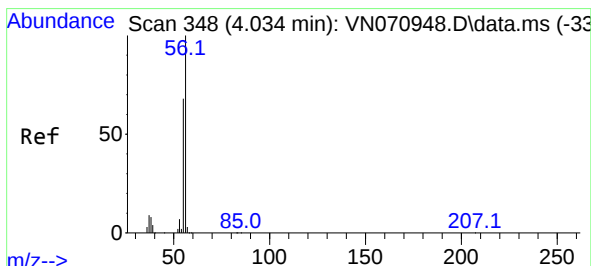
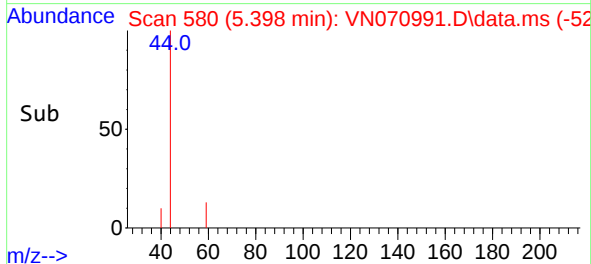
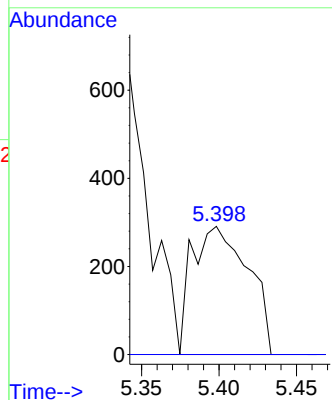
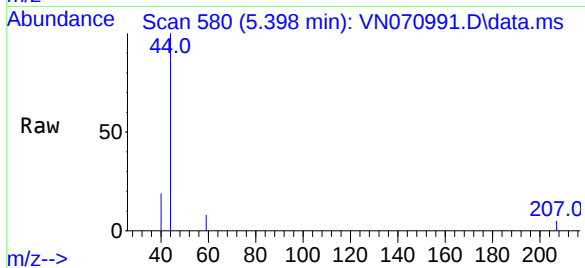
WEST-DITCH-IN-20220215

Tgt Ion: 59 Resp: 733

Ion Ratio Lower Upper

59 100

57 0.0 8.7 13.1#



#13

Acrolein

Concen: 0.560 ug/l

RT: 4.028 min Scan# 347

Delta R.T. -0.006 min

Lab File: VN070991.D

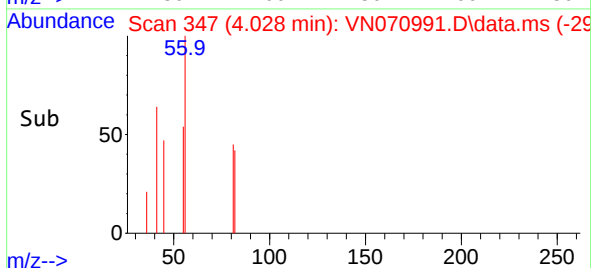
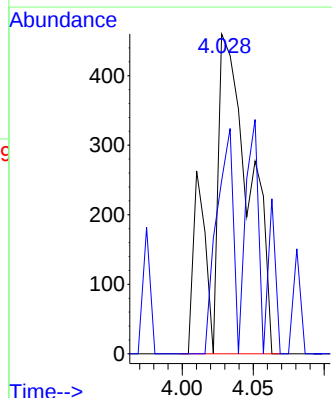
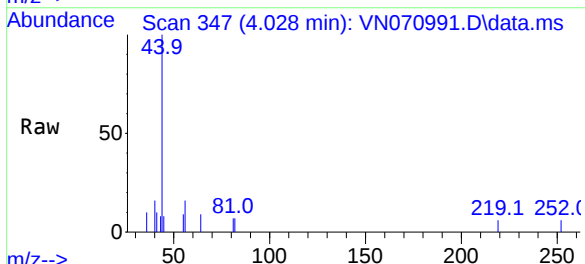
Acq: 17 Feb 2022 20:03

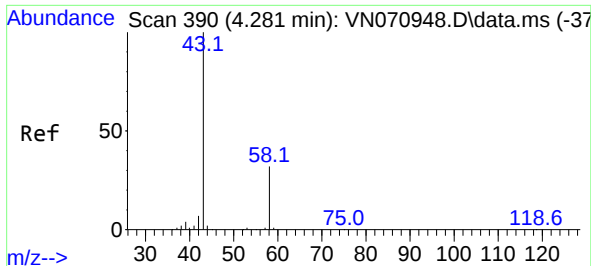
Tgt Ion: 56 Resp: 840

Ion Ratio Lower Upper

56 100

55 31.1 56.6 85.0#

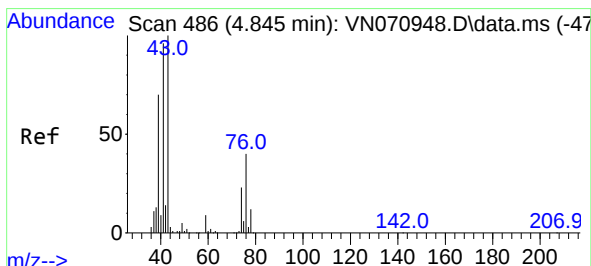
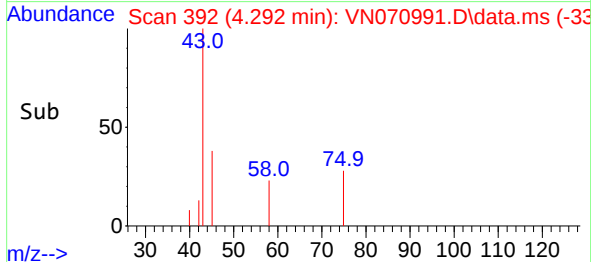
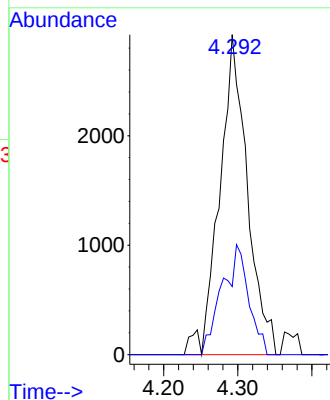
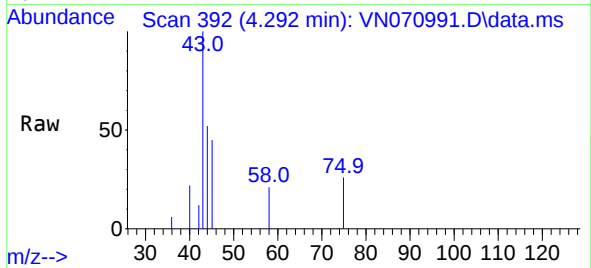




#16
Acetone
Concen: 1.501 ug/l
RT: 4.292 min Scan# 391
Delta R.T. 0.012 min
Lab File: VN070991.D
Acq: 17 Feb 2022 20:03

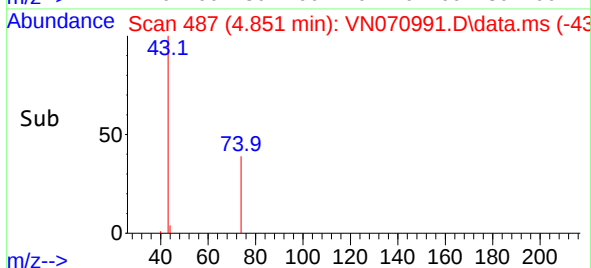
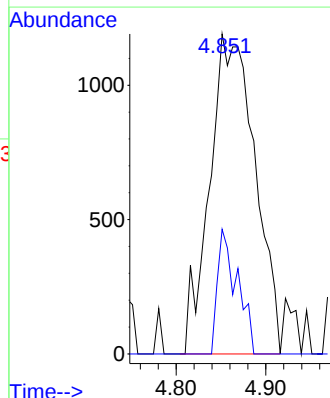
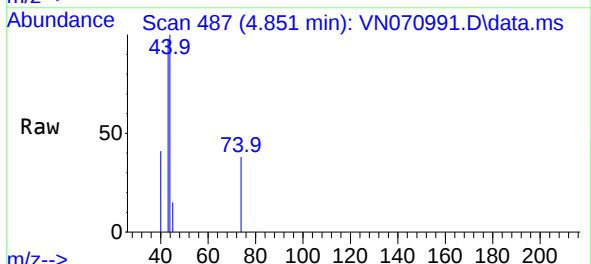
Instrument :
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WEST-DITCH-IN-20220215

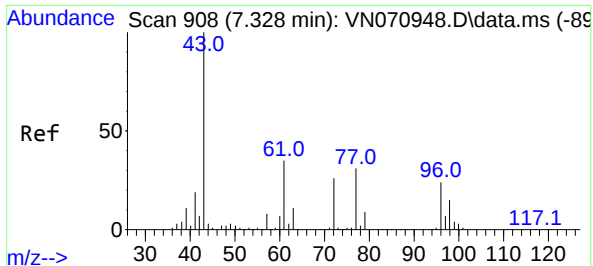
Tgt Ion: 43 Resp: 7618
Ion Ratio Lower Upper
43 100
58 21.3 23.1 34.7#



#18
Methyl Acetate
Concen: Below Cal
RT: 4.851 min Scan# 487
Delta R.T. 0.006 min
Lab File: VN070991.D
Acq: 17 Feb 2022 20:03

Tgt Ion: 43 Resp: 4173
Ion Ratio Lower Upper
43 100
74 16.9 19.4 29.2#

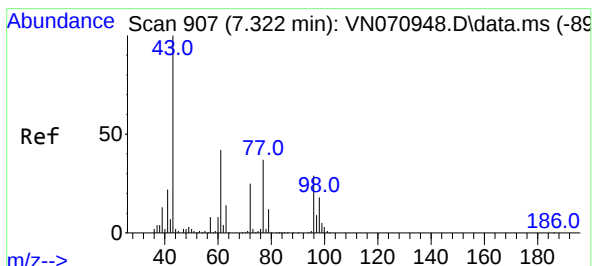
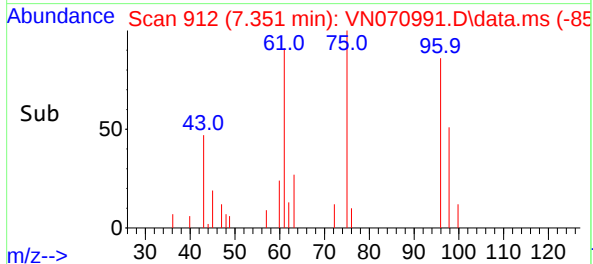
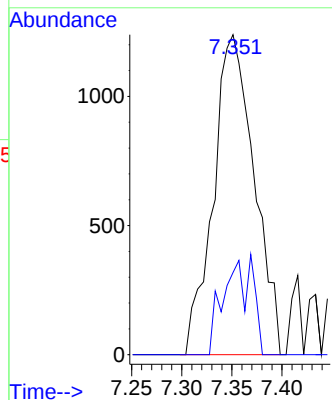
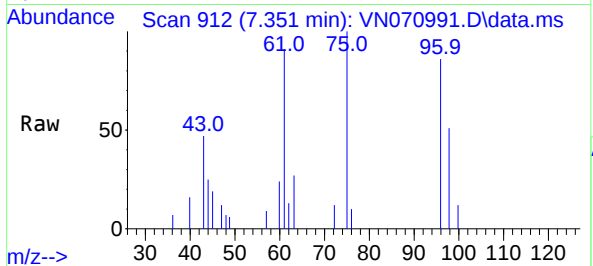




#25
2-Butanone
Concen: 0.519 ug/l
RT: 7.351 min Scan# 912
Delta R.T. 0.023 min
Lab File: VN070991.D
Acq: 17 Feb 2022 20:03

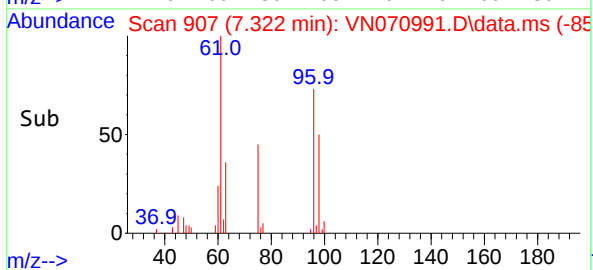
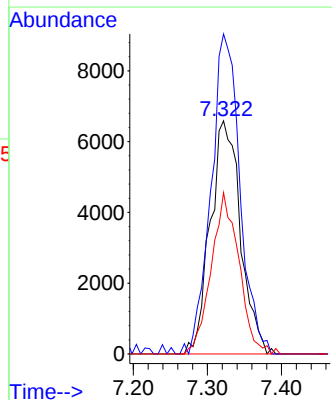
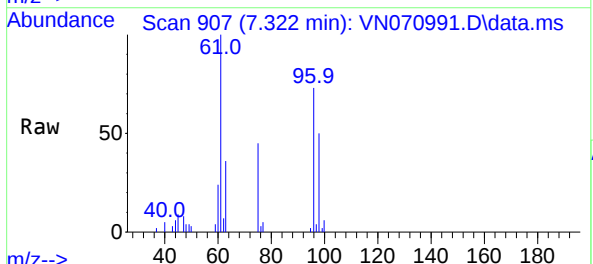
Instrument :
MSVOA_N
ClientSampleId :
WEST-DITCH-IN-20220215

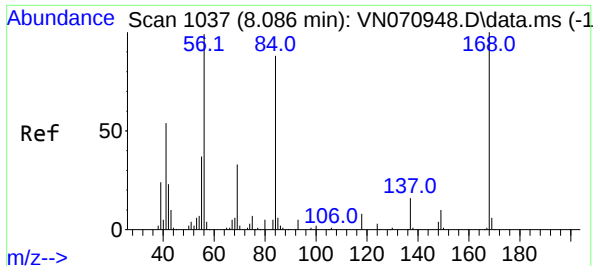
Tgt Ion: 43 Resp: 3503
Ion Ratio Lower Upper
43 100
72 25.7 21.7 32.5



#27
cis-1,2-Dichloroethene
Concen: 1.909 ug/l
RT: 7.322 min Scan# 907
Delta R.T. -0.000 min
Lab File: VN070991.D
Acq: 17 Feb 2022 20:03

Tgt Ion: 96 Resp: 18607
Ion Ratio Lower Upper
96 100
61 131.7 0.0 275.0
98 63.6 0.0 129.6

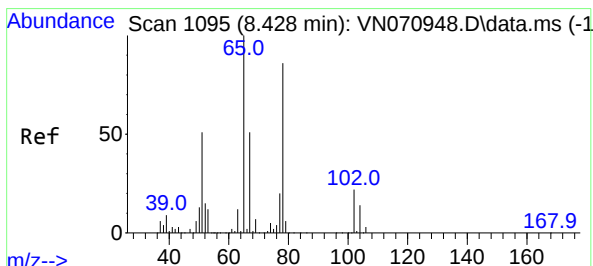
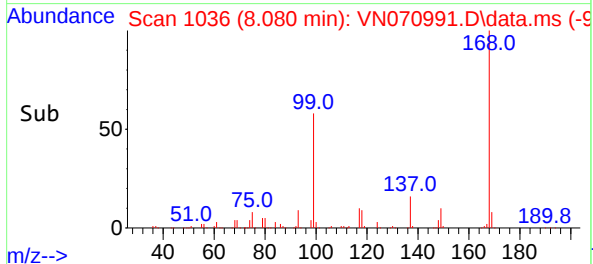
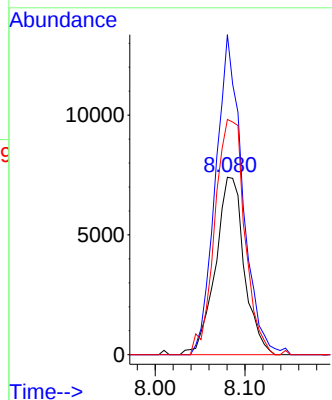
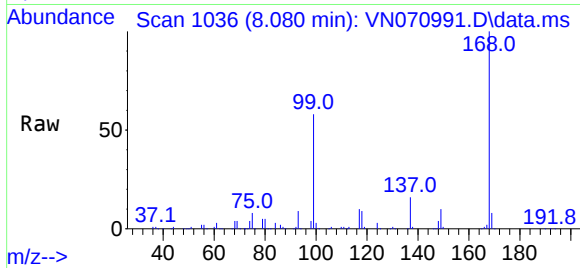




#31
Cyclohexane
Concen: 1.032 ug/l
RT: 8.080 min Scan# 1037
Delta R.T. -0.006 min
Lab File: VN070991.D
Acq: 17 Feb 2022 20:03

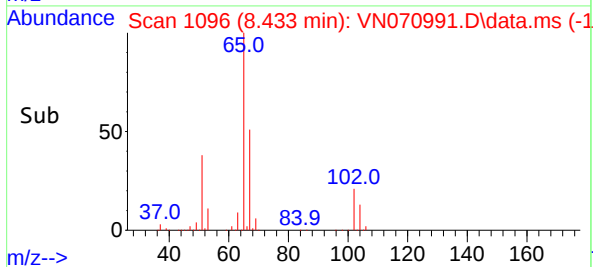
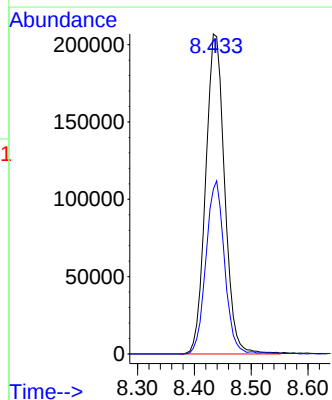
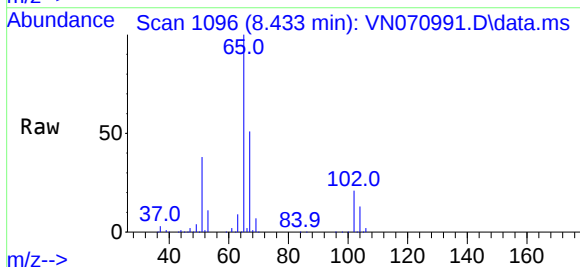
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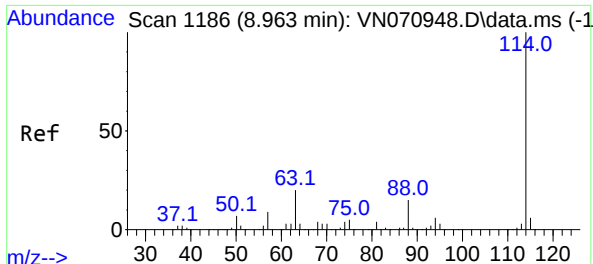
Tgt Ion: 56 Resp: 16453
Ion Ratio Lower Upper
56 100
69 180.4 27.1 40.7#
84 132.5 73.4 110.0#



#33
1,2-Dichloroethane-d4
Concen: 51.981 ug/l
RT: 8.433 min Scan# 1096
Delta R.T. 0.006 min
Lab File: VN070991.D
Acq: 17 Feb 2022 20:03

Tgt Ion: 65 Resp: 479116
Ion Ratio Lower Upper
65 100
67 52.7 0.0 103.0





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.969 min Scan# 1186

Delta R.T. 0.006 min

Lab File: VN070991.D

Acq: 17 Feb 2022 20:03

Instrument :

MSVOA_N

ClientSampleId :

WEST-DITCH-IN-20220215

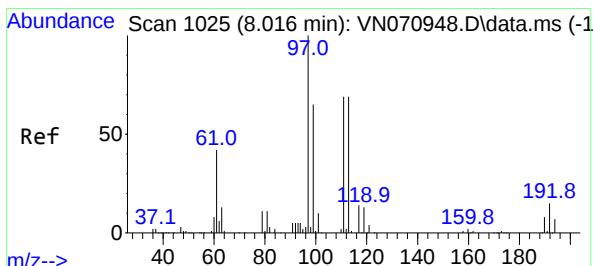
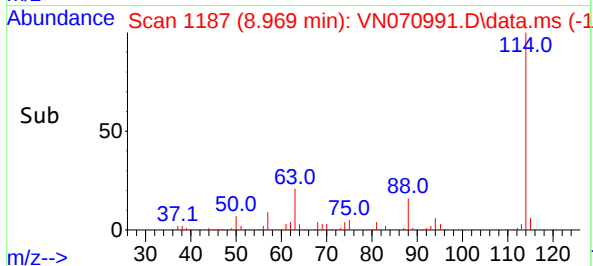
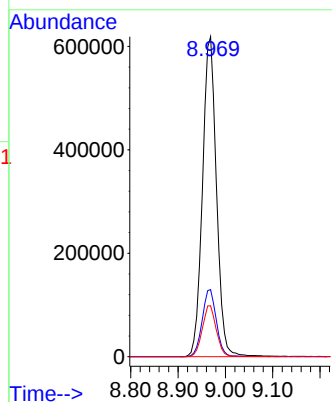
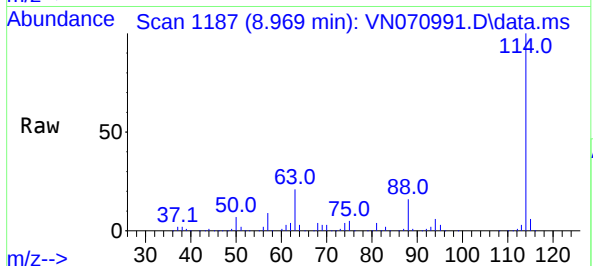
Tgt Ion:114 Resp: 1266868

Ion Ratio Lower Upper

114 100

63 21.0 0.0 37.8

88 15.9 0.0 27.4



#35

Dibromofluoromethane

Concen: 50.547 ug/l

RT: 8.016 min Scan# 1025

Delta R.T. -0.000 min

Lab File: VN070991.D

Acq: 17 Feb 2022 20:03

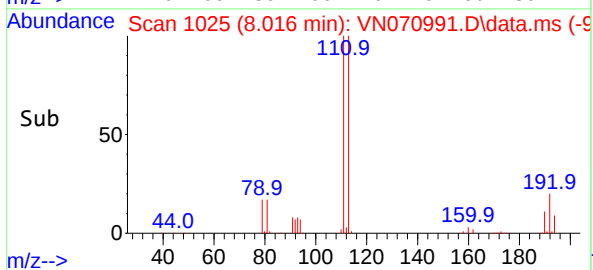
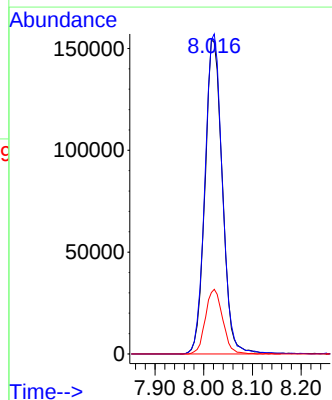
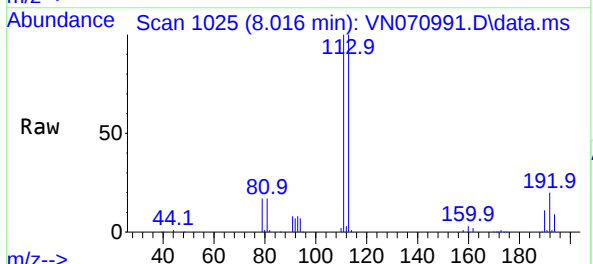
Tgt Ion:113 Resp: 380886

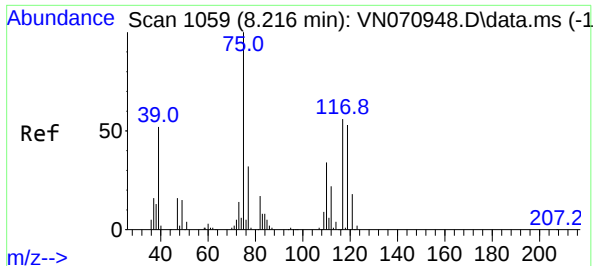
Ion Ratio Lower Upper

113 100

111 102.2 82.2 123.2

192 20.4 16.9 25.3





#36

1,1-Dichloropropene

Concen: 4.831 ug/l

RT: 8.080 min Scan# 1036

Delta R.T. -0.135 min

Lab File: VN070991.D

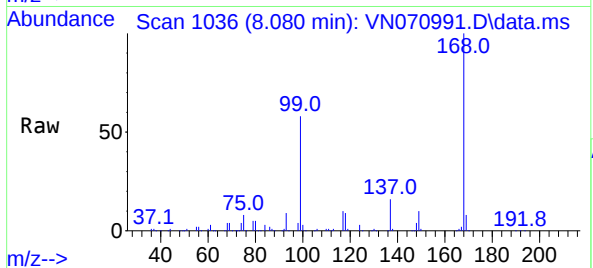
Acq: 17 Feb 2022 20:03

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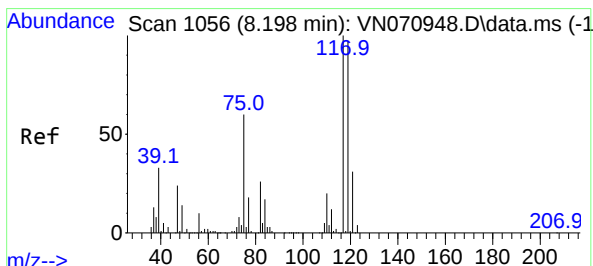
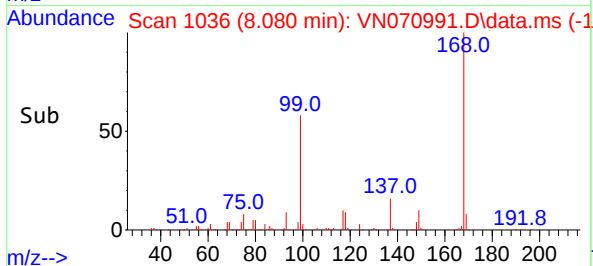
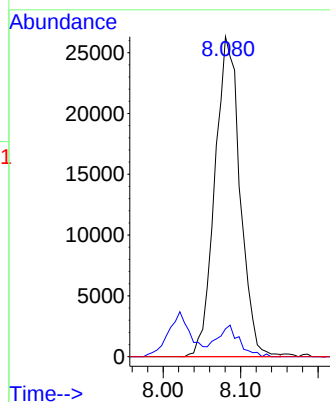
Tgt Ion: 75 Resp: 59643

Ion Ratio Lower Upper

75 100

110 8.6 18.4 55.2#

77 0.0 24.4 36.6#



#38

Carbon Tetrachloride

Concen: 6.311 ug/l

RT: 8.080 min Scan# 1036

Delta R.T. -0.118 min

Lab File: VN070991.D

Acq: 17 Feb 2022 20:03

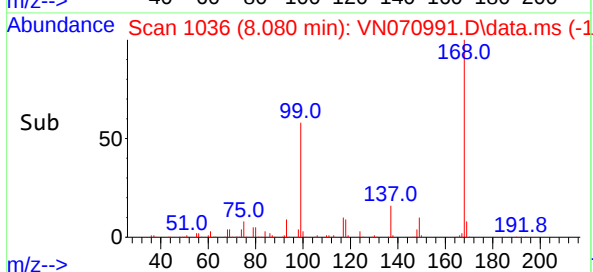
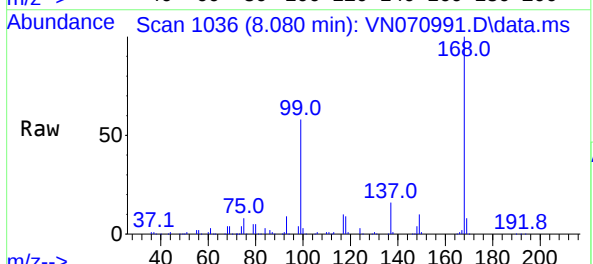
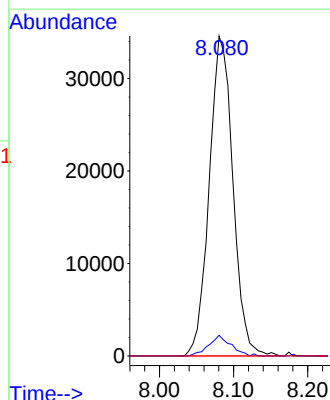
Tgt Ion: 117 Resp: 76767

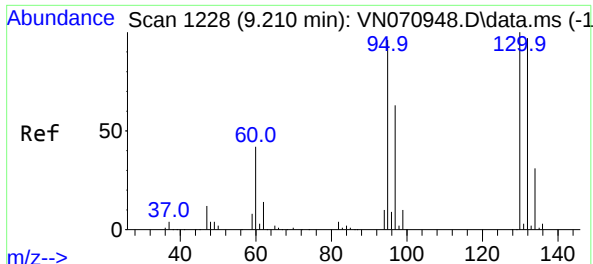
Ion Ratio Lower Upper

117 100

119 6.5 76.1 114.1#

121 0.0 24.2 36.2#





#44

Trichloroethene

Concen: 3.288 ug/l

RT: 9.216 min Scan# 11

Delta R.T. 0.006 min

Lab File: VN070991.D

Acq: 17 Feb 2022 20:03

Instrument :

MSVOA_N

ClientSampleId :

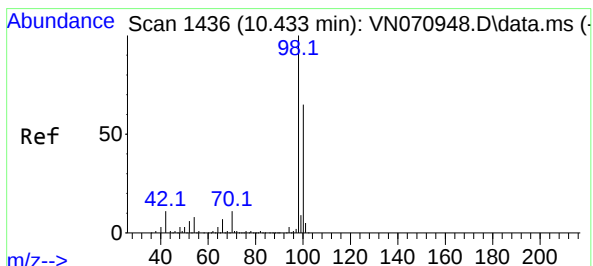
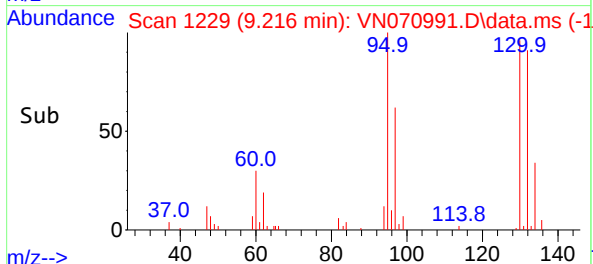
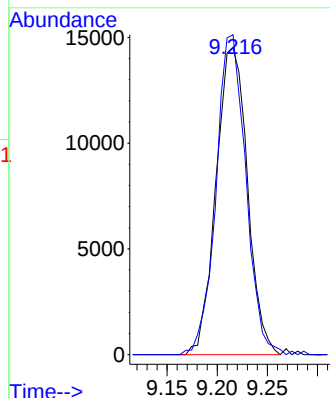
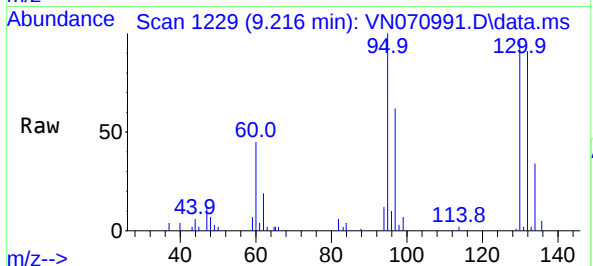
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Tgt Ion:130 Resp: 31622

Ion Ratio Lower Upper

130 100

95 104.3 0.0 191.2



#50

Toluene-d8

Concen: 50.405 ug/l

RT: 10.439 min Scan# 1437

Delta R.T. 0.006 min

Lab File: VN070991.D

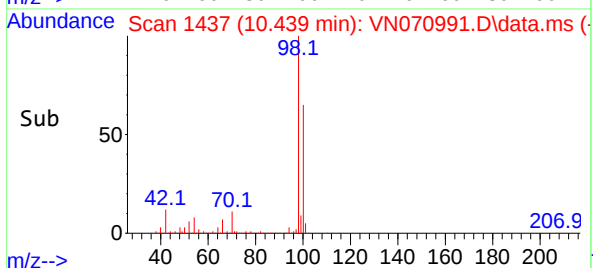
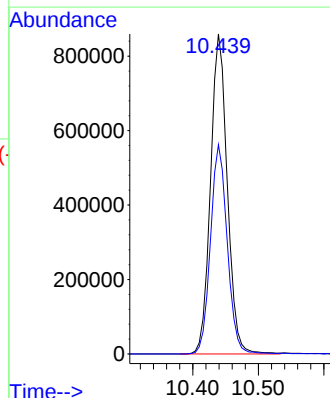
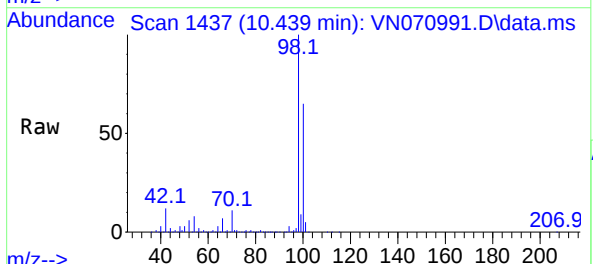
Acq: 17 Feb 2022 20:03

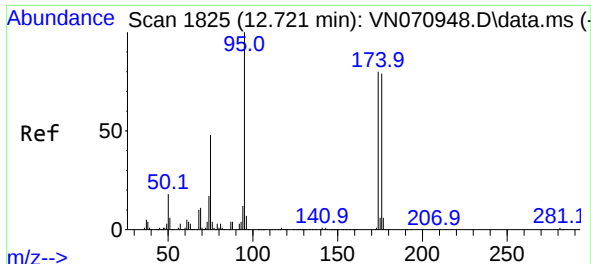
Tgt Ion: 98 Resp: 1525332

Ion Ratio Lower Upper

98 100

100 65.4 50.4 75.6

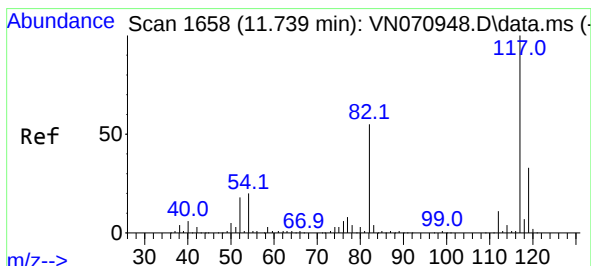
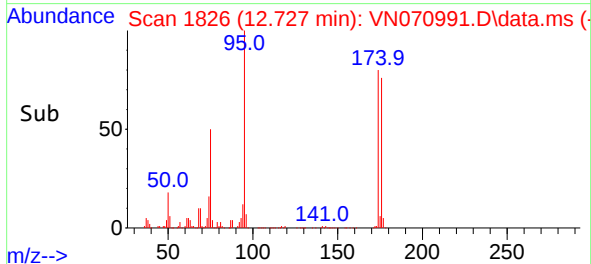
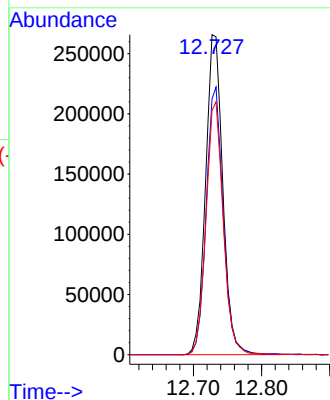
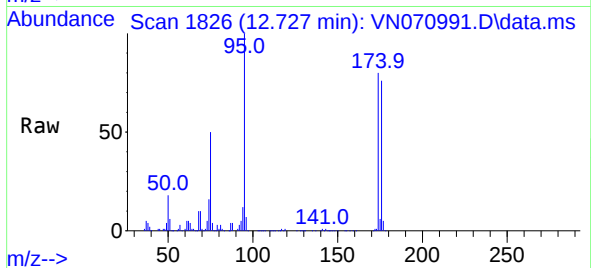




#62
4-Bromofluorobenzene
Concen: 43.223 ug/l
RT: 12.727 min Scan# 1825
Delta R.T. 0.006 min
Lab File: VN070991.D
Acq: 17 Feb 2022 20:03

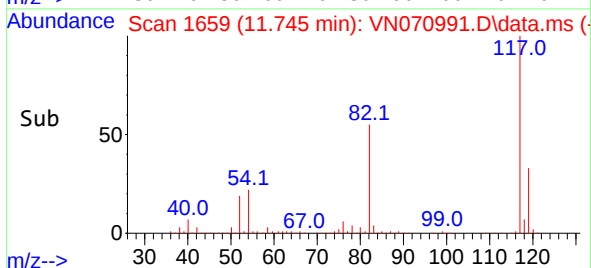
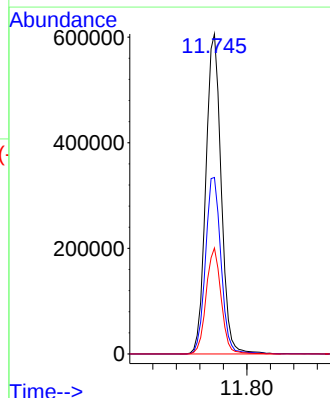
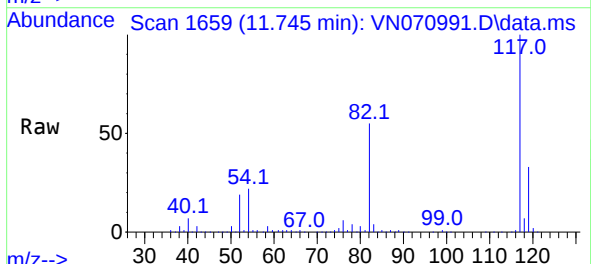
Instrument :
MSVOA_N
ClientSampleId :
WEST-DITCH-IN-20220215

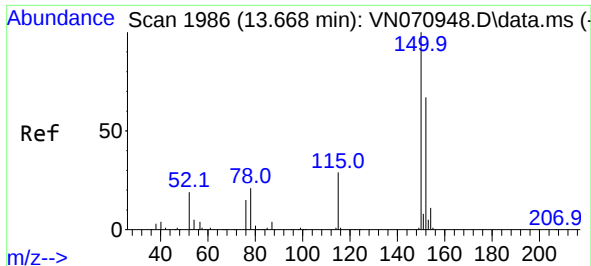
Tgt Ion: 95 Resp: 467531
Ion Ratio Lower Upper
95 100
174 82.4 0.0 187.2
176 78.7 0.0 181.4



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.745 min Scan# 1659
Delta R.T. 0.006 min
Lab File: VN070991.D
Acq: 17 Feb 2022 20:03

Tgt Ion: 117 Resp: 1095320
Ion Ratio Lower Upper
117 100
82 55.2 42.4 63.6
119 33.1 25.4 38.2

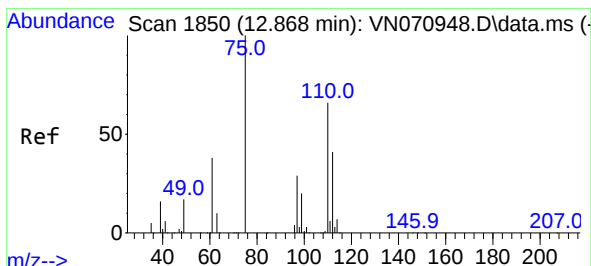
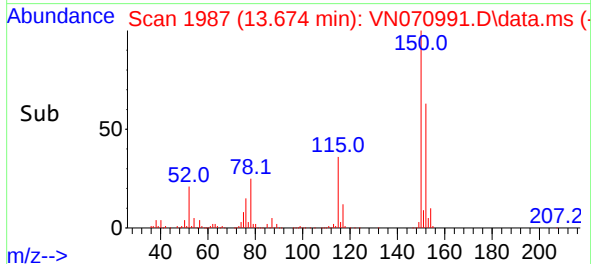
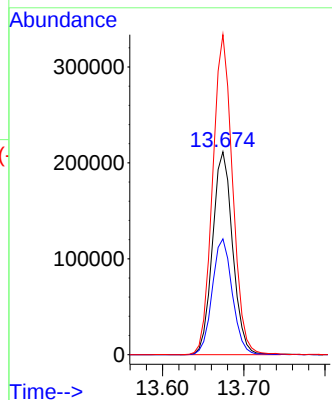
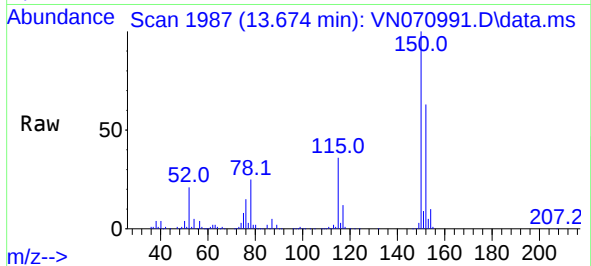




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.674 min Scan# 1986
Delta R.T. 0.006 min
Lab File: VN070991.D
Acq: 17 Feb 2022 20:03

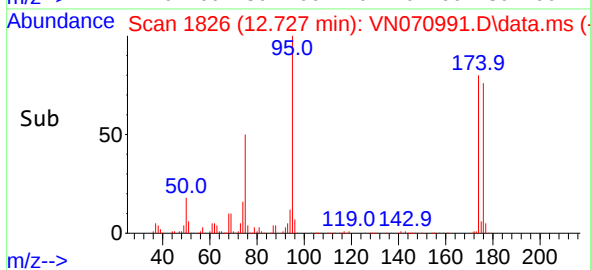
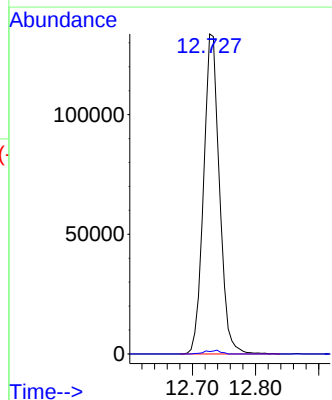
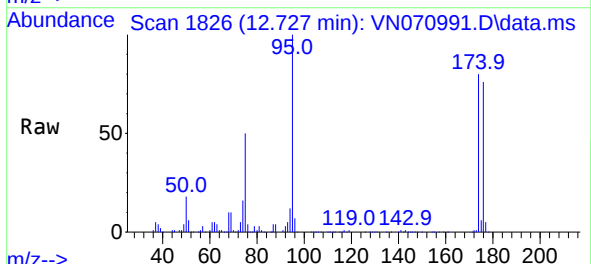
Instrument :
MSVOA_N
ClientSampleId :
WEST-DITCH-IN-20220215

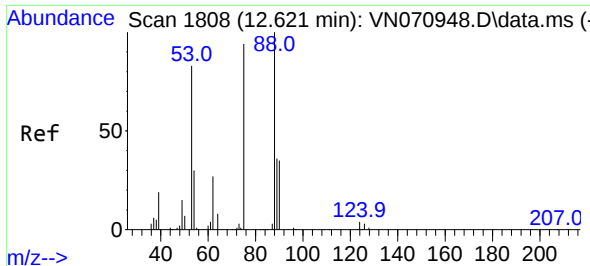
Tgt Ion:152 Resp: 364366
Ion Ratio Lower Upper
152 100
115 57.1 27.5 82.5
150 156.4 0.0 344.4



#76
1,2,3-Trichloropropane
Concen: 27.161 ug/l
RT: 12.727 min Scan# 1826
Delta R.T. -0.141 min
Lab File: VN070991.D
Acq: 17 Feb 2022 20:03

Tgt Ion: 75 Resp: 233016
Ion Ratio Lower Upper
75 100
77 1.1 82.6 247.8#

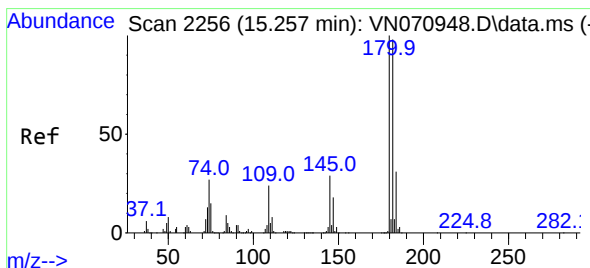
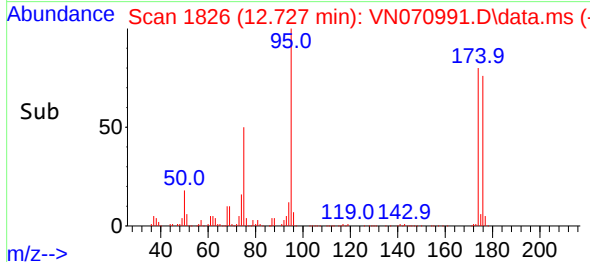
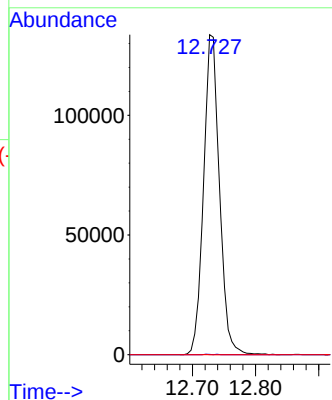
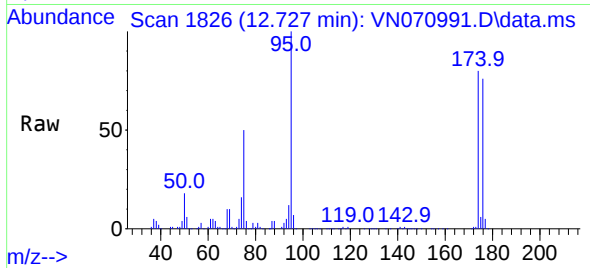




#81
trans-1,4-Dichloro-2-butene
Concen: 88.014 ug/l
RT: 12.727 min Scan# 1808
Delta R.T. 0.106 min
Lab File: VN070991.D
Acq: 17 Feb 2022 20:03

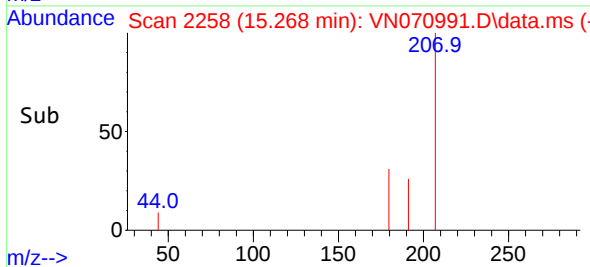
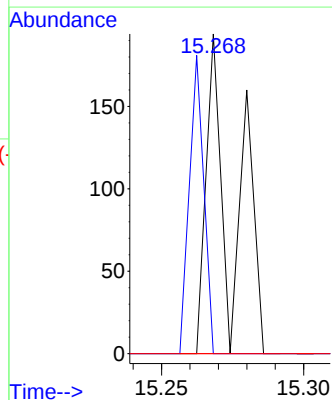
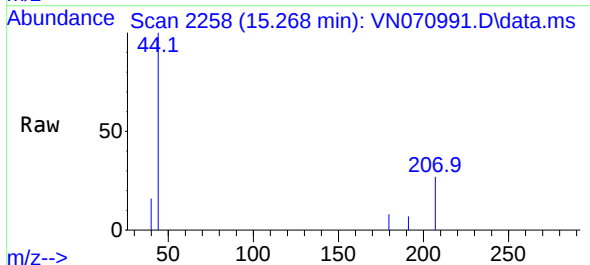
Instrument :
MSVOA_N
ClientSampleId :
WEST-DITCH-IN-20220215

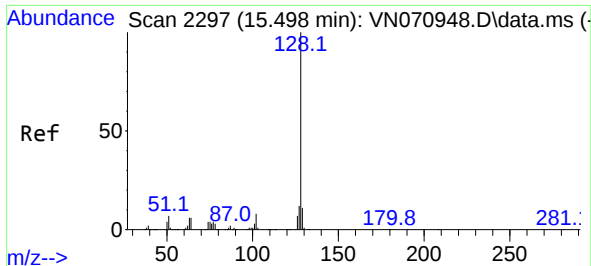
Tgt Ion: 75 Resp: 233016
Ion Ratio Lower Upper
75 100
53 0.1 90.5 135.7#
89 0.0 38.2 57.4#



#93
1,2,4-Trichlorobenzene
Concen: 2.017 ug/l
RT: 15.268 min Scan# 2258
Delta R.T. 0.011 min
Lab File: VN070991.D
Acq: 17 Feb 2022 20:03

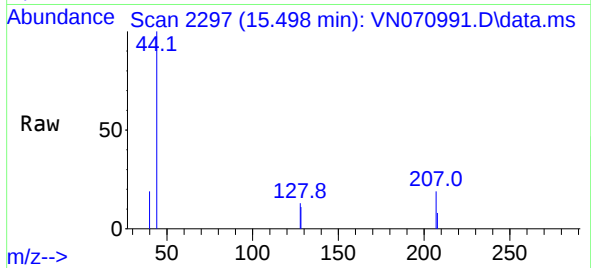
Tgt Ion:180 Resp: 125
Ion Ratio Lower Upper
180 100
182 51.2 48.3 144.9
145 0.0 14.5 43.5#





#95
Naphthalene
Concen: 5.043 ug/l
RT: 15.498 min Scan# 21
Delta R.T. -0.000 min
Lab File: VN070991.D
Acq: 17 Feb 2022 20:03

Instrument :
MSVOA_N
ClientSampleId :
WEST-DITCH-IN-20220215



Tgt Ion:128 Resp: 975
Ion Ratio Lower Upper
128 100
127 0.0 10.5 15.7#
129 0.0 8.7 13.1#

