

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN081022\
 Data File : VN073798.D
 Acq On : 10 Aug 2022 15:20
 Operator : JC\MD
 Sample : N4111-02
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 BP-MW158S1-GW-215-217

Quant Time: Aug 10 22:54:30 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N072822W.M
 Quant Title : SW846 8260
 QLast Update : Wed Aug 10 05:09:32 2022
 Response via : Initial Calibration

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

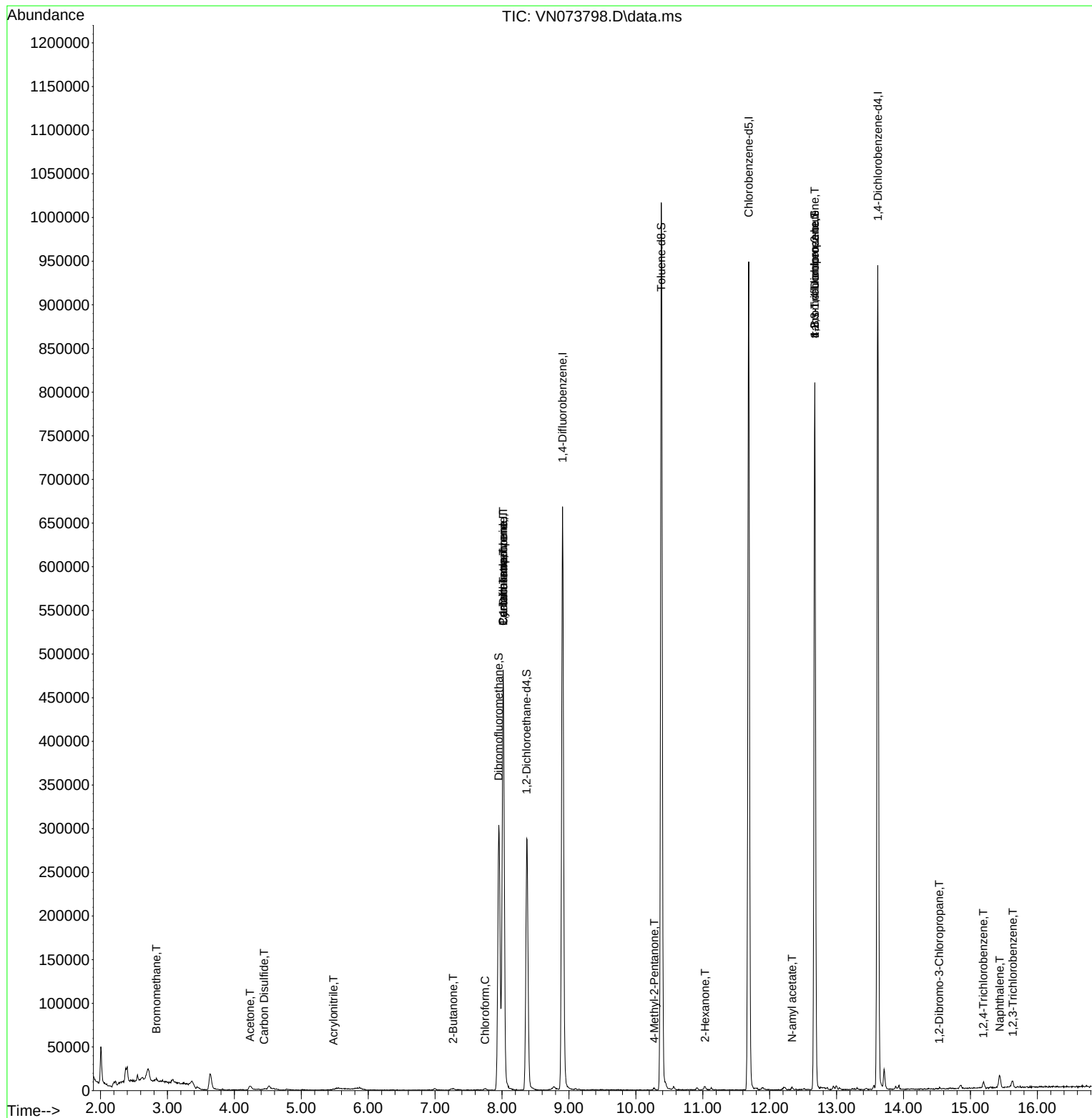
Internal Standards						
1) Pentafluorobenzene	8.016	168	388948	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.904	114	615163	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.686	117	574638	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.616	152	272810	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.369	65	237874	50.185	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	= 100.360%	
35) Dibromofluoromethane	7.951	113	223500	57.859	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	= 115.720%	
50) Toluene-d8	10.381	98	719251	47.317	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	= 94.640%	
62) 4-Bromofluorobenzene	12.675	95	263344	49.386	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	= 98.780%	
Target Compounds						
					Qvalue	
3) Chloromethane	2.263	50	1195	Below Cal	#	74
5) Bromomethane	2.834	94	3207	0.838	ug/l	85
6) Chloroethane	2.946	64	425	Below Cal	#	63
15) Acrylonitrile	5.481	53	1068	0.378	ug/l	# 51
16) Acetone	4.234	43	8903	3.497	ug/l	# 82
17) Carbon Disulfide	4.446	76	2507	0.256	ug/l	# 75
20) Methylene Chloride	5.022	84	265	Below Cal	#	48
25) 2-Butanone	7.269	43	2597	0.657	ug/l	# 77
30) Chloroform	7.745	83	1941	0.238	ug/l	89
31) Cyclohexane	8.016	56	7569	1.073	ug/l	# 5
36) 1,1-Dichloropropene	8.016	75	26434	4.801	ug/l	# 48
38) Carbon Tetrachloride	8.016	117	36384	6.507	ug/l	# 16
51) 4-Methyl-2-Pentanone	10.275	43	1947	0.277	ug/l	# 82
59) 2-Hexanone	11.033	43	3643	0.685	ug/l	89
74) N-amyl acetate	12.333	43	1574	0.209	ug/l	# 92
76) 1,2,3-Trichloropropane	12.675	75	132506	24.895	ug/l	# 1
81) trans-1,4-Dichloro-2-b...	12.675	75	132506	62.944	ug/l	# 11
92) 1,2-Dibromo-3-Chloropr...	14.533	75	449	0.290	ug/l	87
93) 1,2,4-Trichlorobenzene	15.192	180	3320	0.695	ug/l	93
95) Naphthalene	15.439	128	16827	1.086	ug/l	96
96) 1,2,3-Trichlorobenzene	15.633	180	4222	0.840	ug/l	92

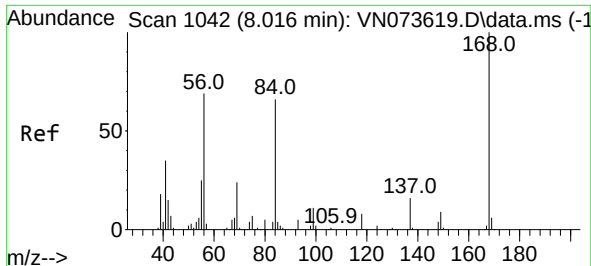
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Wed Aug 10 05:09:32 2022
Response via : Initial Calibration

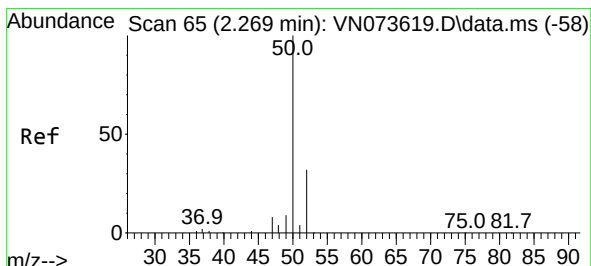
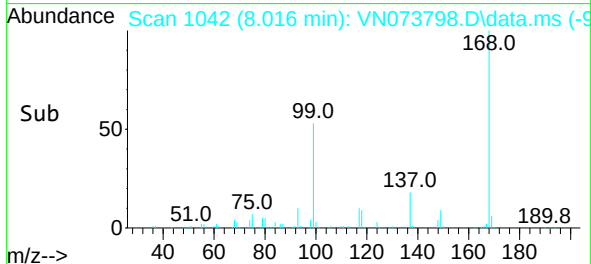
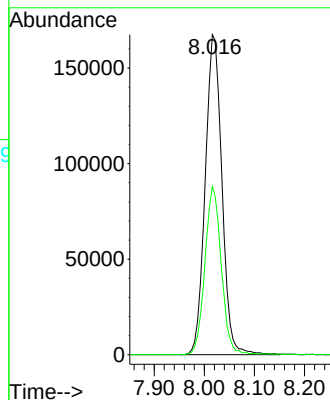
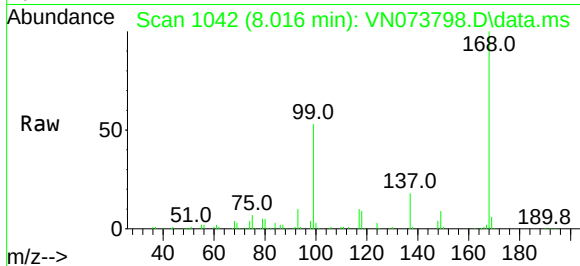




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.016 min Scan# 10
Delta R.T. 0.000 min
Lab File: VN073798.D
Acq: 10 Aug 2022 15:20

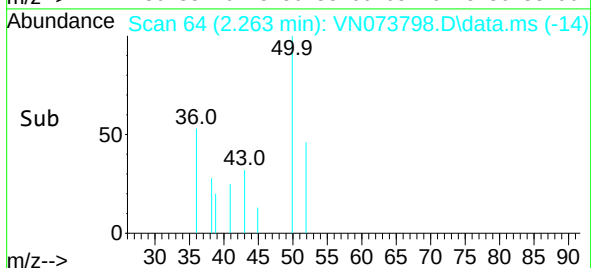
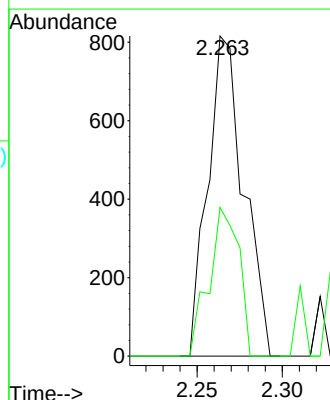
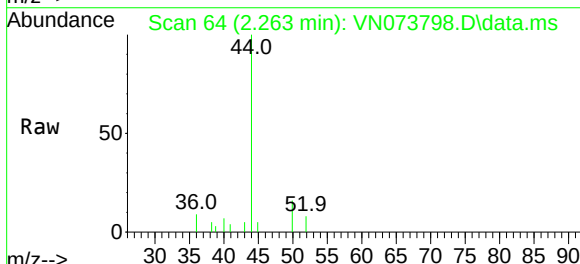
Instrument :
MSVOA_N
ClientSampleId :
BP-MW158S1-GW-215-217

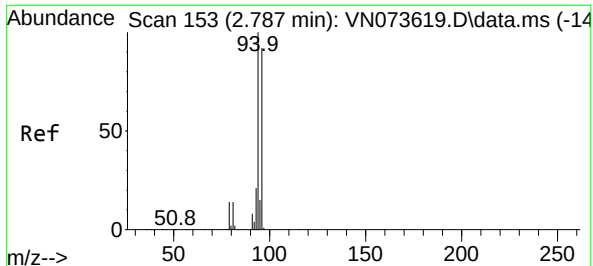
Tgt Ion:168 Resp: 388948
Ion Ratio Lower Upper
168 100
99 52.5 42.3 63.5



#3
Chloromethane
Concen: Below Cal
RT: 2.263 min Scan# 64
Delta R.T. -0.006 min
Lab File: VN073798.D
Acq: 10 Aug 2022 15:20

Tgt Ion: 50 Resp: 1195
Ion Ratio Lower Upper
50 100
52 46.4 25.7 38.5#

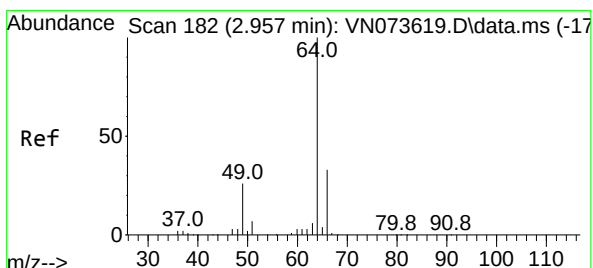
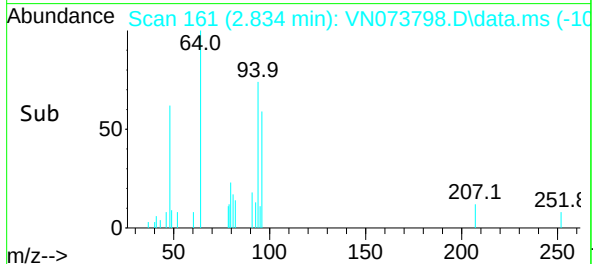
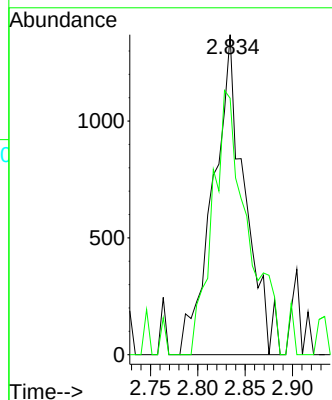
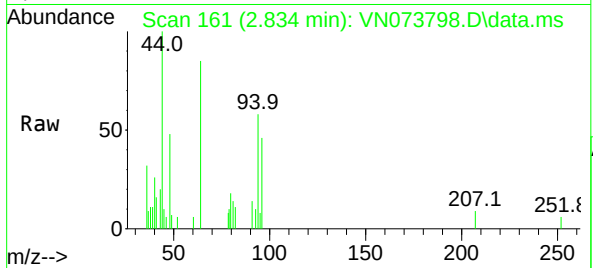




#5
Bromomethane
Concen: 0.838 ug/l
RT: 2.834 min Scan# 11
Delta R.T. 0.047 min
Lab File: VN073798.D
Acq: 10 Aug 2022 15:20

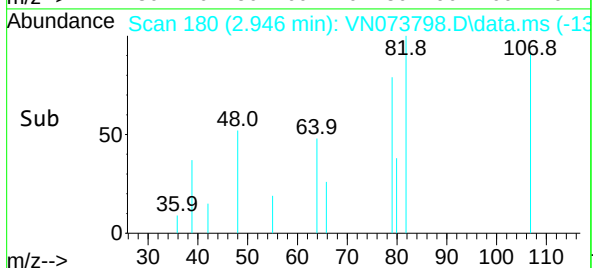
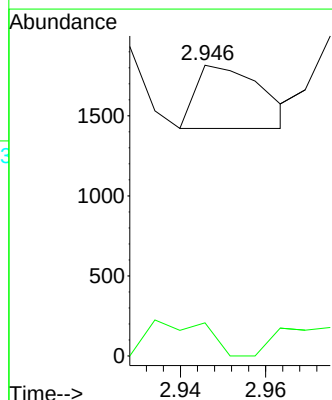
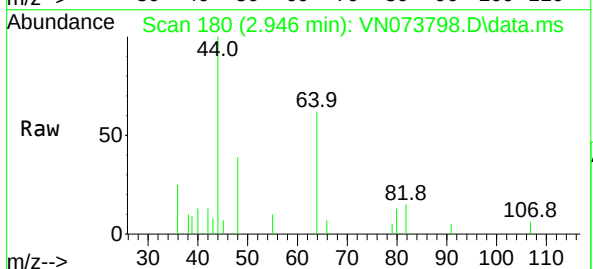
Instrument :
MSVOA_N
ClientSampleId :
BP-MW158S1-GW-215-217

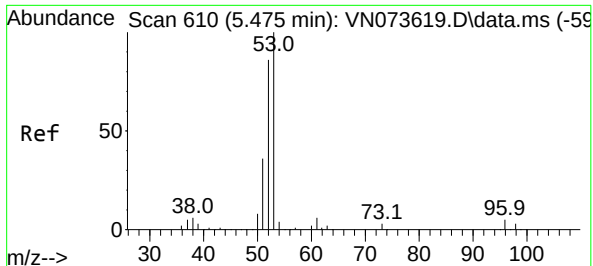
Tgt Ion: 94 Resp: 3207
Ion Ratio Lower Upper
94 100
96 80.1 76.0 114.0



#6
Chloroethane
Concen: Below Cal
RT: 2.946 min Scan# 180
Delta R.T. -0.011 min
Lab File: VN073798.D
Acq: 10 Aug 2022 15:20

Tgt Ion: 64 Resp: 425
Ion Ratio Lower Upper
64 100
66 11.9 26.2 39.4#

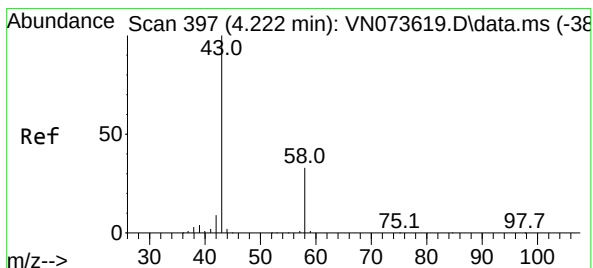
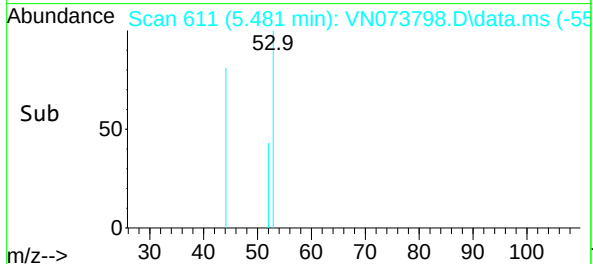
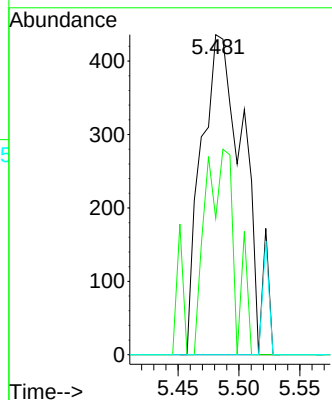
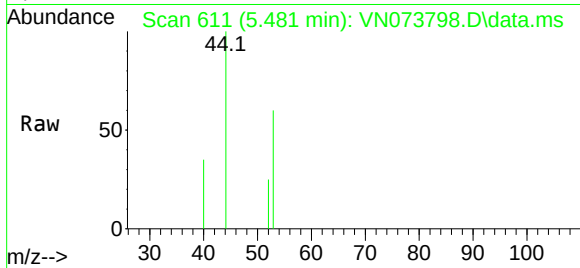




#15
Acrylonitrile
Concen: 0.378 ug/l
RT: 5.481 min Scan# 611
Delta R.T. 0.006 min
Lab File: VN073798.D
Acq: 10 Aug 2022 15:20

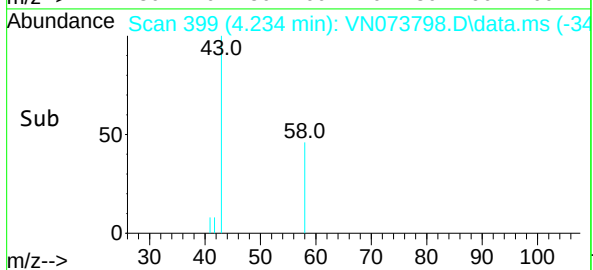
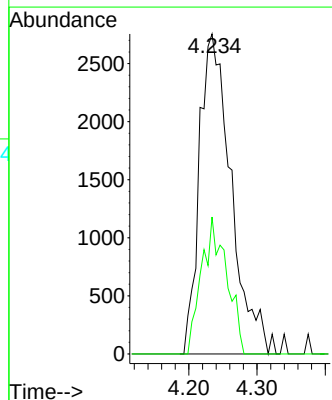
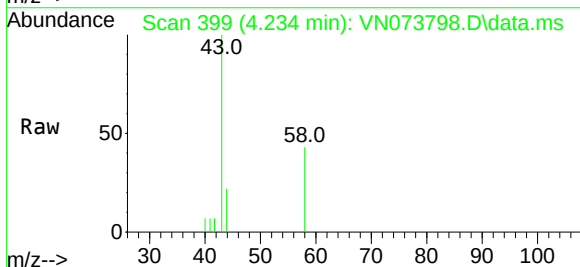
Instrument :
MSVOA_N
ClientSampleId :
BP-MW158S1-GW-215-217

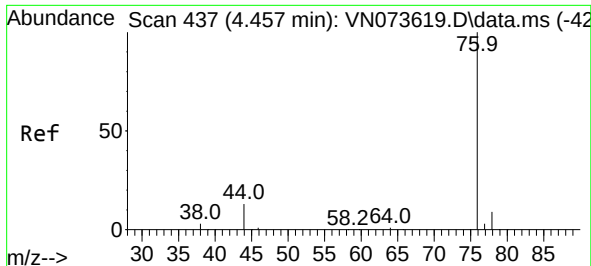
Tgt Ion: 53 Resp: 1068
Ion Ratio Lower Upper
53 100
52 43.8 66.4 99.6#
51 0.0 28.5 42.7#



#16
Acetone
Concen: 3.497 ug/l
RT: 4.234 min Scan# 399
Delta R.T. 0.012 min
Lab File: VN073798.D
Acq: 10 Aug 2022 15:20

Tgt Ion: 43 Resp: 8903
Ion Ratio Lower Upper
43 100
58 42.8 26.0 39.0#





#17

Carbon Disulfide

Concen: 0.256 ug/l

RT: 4.446 min Scan# 41

Delta R.T. -0.012 min

Lab File: VN073798.D

Acq: 10 Aug 2022 15:20

Instrument :

MSVOA_N

ClientSampleId :

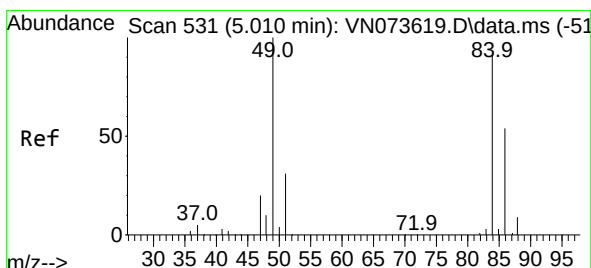
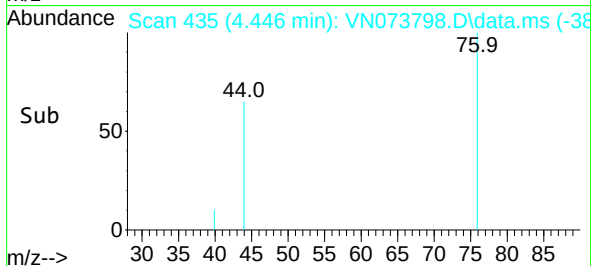
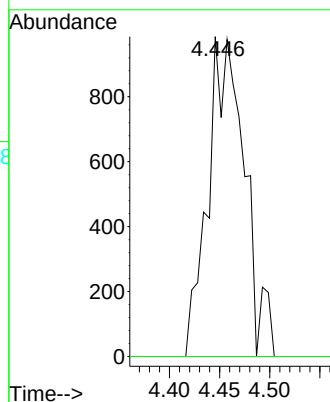
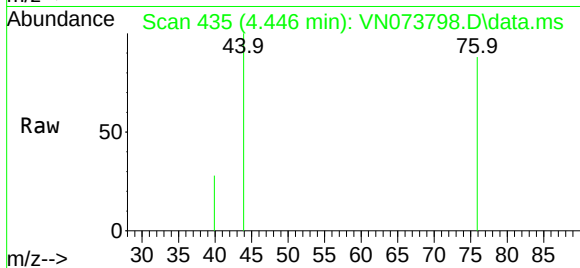
BP-MW158S1-GW-215-217

Tgt Ion: 76 Resp: 2507

Ion Ratio Lower Upper

76 100

78 0.0 7.2 10.8#



#20

Methylene Chloride

Concen: Below Cal

RT: 5.022 min Scan# 533

Delta R.T. 0.012 min

Lab File: VN073798.D

Acq: 10 Aug 2022 15:20

Tgt Ion: 84 Resp: 265

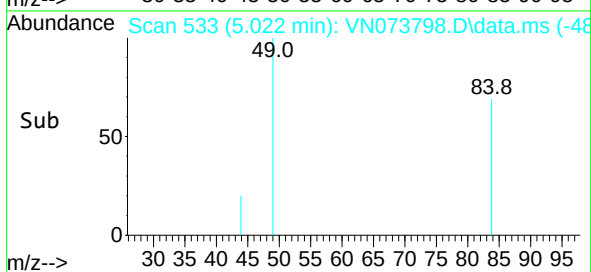
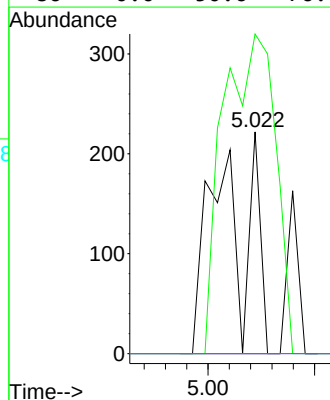
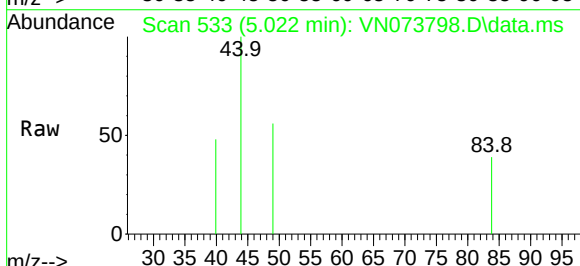
Ion Ratio Lower Upper

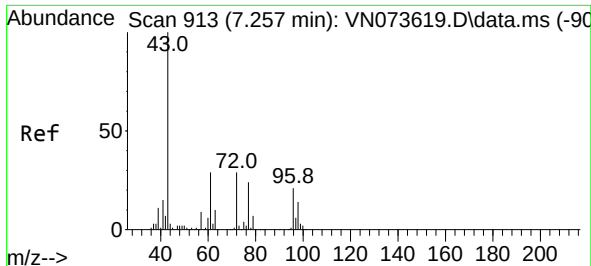
84 100

49 144.1 88.3 132.5#

51 0.0 28.2 42.2#

86 0.0 50.6 76.0#

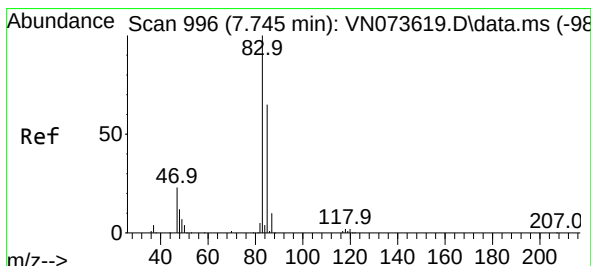
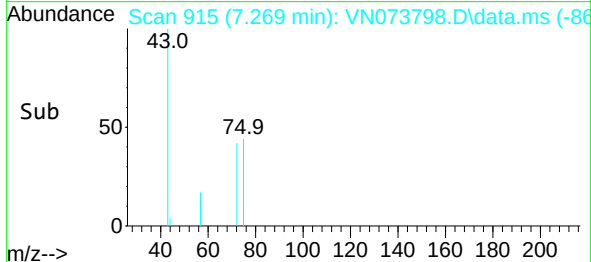
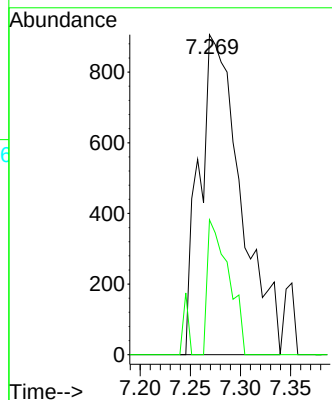
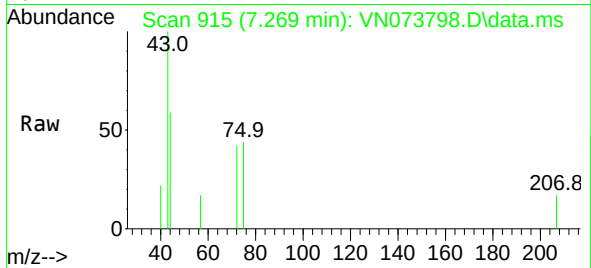




#25
2-Butanone
Concen: 0.657 ug/l
RT: 7.269 min Scan# 915
Delta R.T. 0.012 min
Lab File: VN073798.D
Acq: 10 Aug 2022 15:20

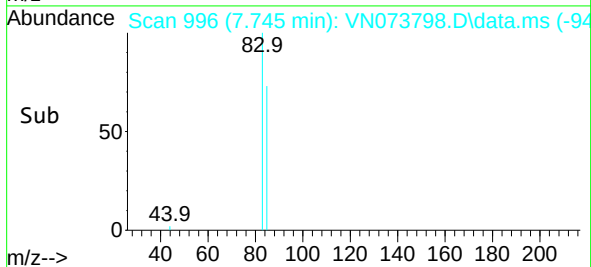
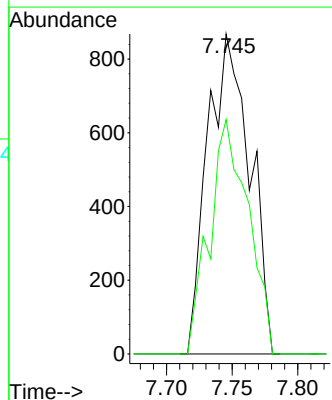
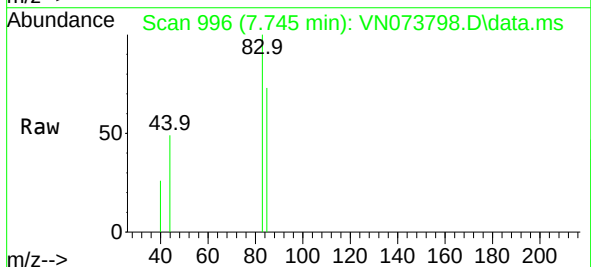
Instrument :
MSVOA_N
ClientSampleId :
BP-MW158S1-GW-215-217

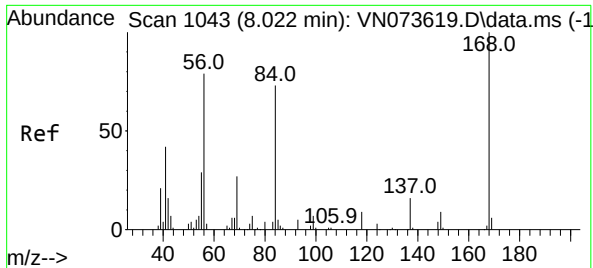
Tgt Ion: 43 Resp: 2597
Ion Ratio Lower Upper
43 100
72 42.2 23.7 35.5#



#30
Chloroform
Concen: 0.238 ug/l
RT: 7.745 min Scan# 996
Delta R.T. 0.000 min
Lab File: VN073798.D
Acq: 10 Aug 2022 15:20

Tgt Ion: 83 Resp: 1941
Ion Ratio Lower Upper
83 100
85 73.3 51.8 77.8

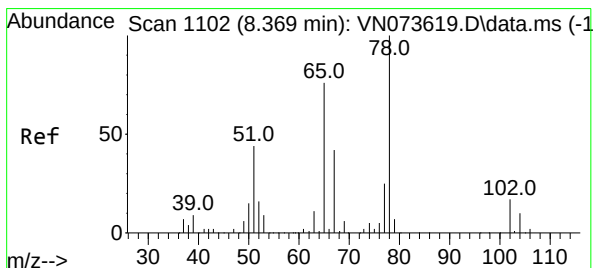
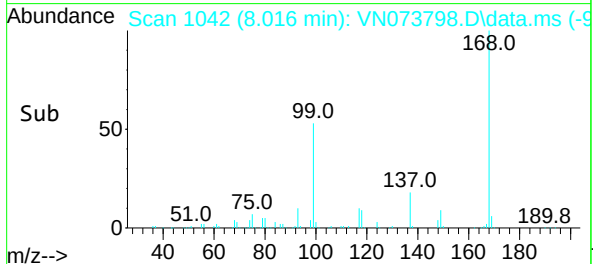
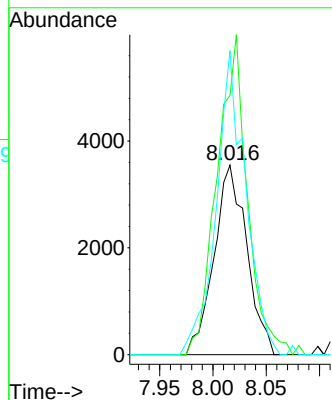
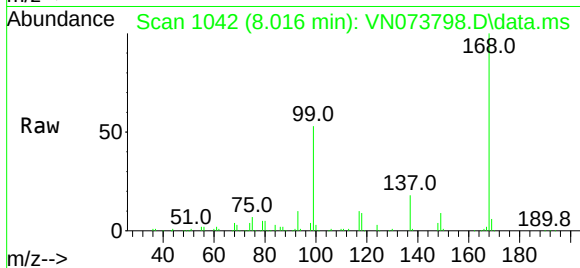




#31
Cyclohexane
Concen: 1.073 ug/l
RT: 8.016 min Scan# 1042
Delta R.T. -0.006 min
Lab File: VN073798.D
Acq: 10 Aug 2022 15:20

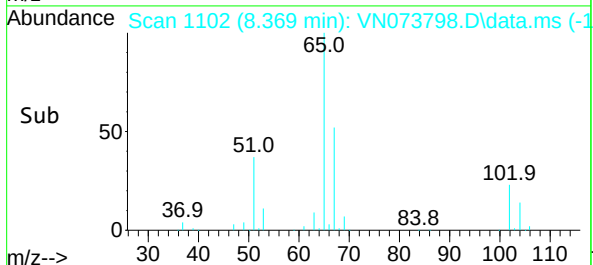
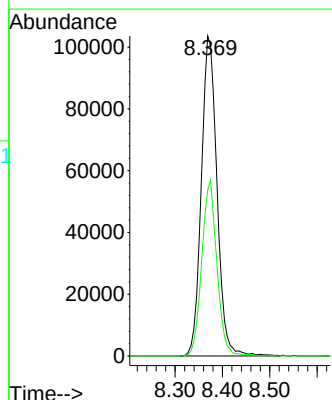
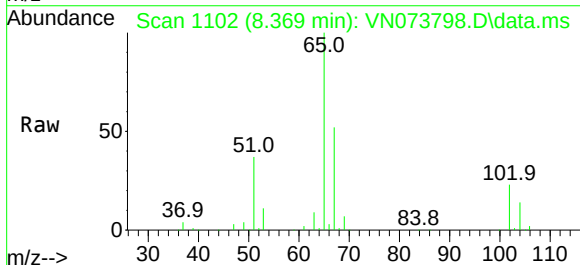
Instrument :
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ClientSampleId :
BP-MW158S1-GW-215-217

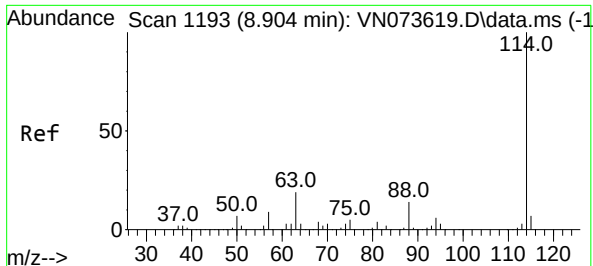
Tgt Ion: 56 Resp: 7569
Ion Ratio Lower Upper
56 100
69 136.8 27.8 41.8#
84 160.5 76.9 115.3#



#33
1,2-Dichloroethane-d4
Concen: 50.185 ug/l
RT: 8.369 min Scan# 1102
Delta R.T. 0.000 min
Lab File: VN073798.D
Acq: 10 Aug 2022 15:20

Tgt Ion: 65 Resp: 237874
Ion Ratio Lower Upper
65 100
67 53.0 0.0 104.8





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.904 min Scan# 1193

Delta R.T. 0.000 min

Lab File: VN073798.D

Acq: 10 Aug 2022 15:20

Instrument :

MSVOA_N

ClientSampleId :

BP-MW158S1-GW-215-217

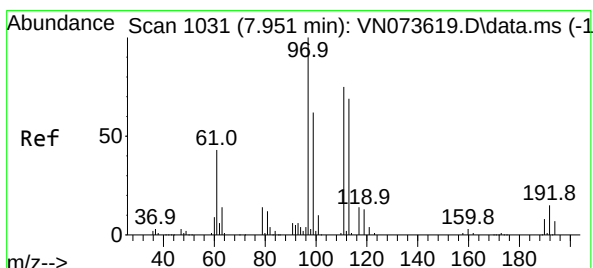
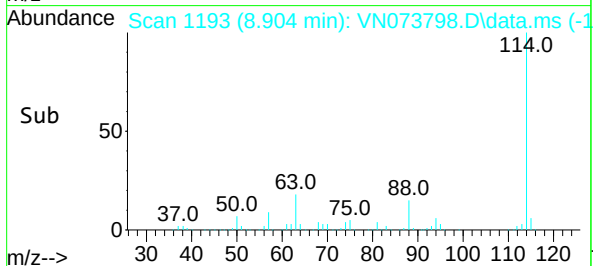
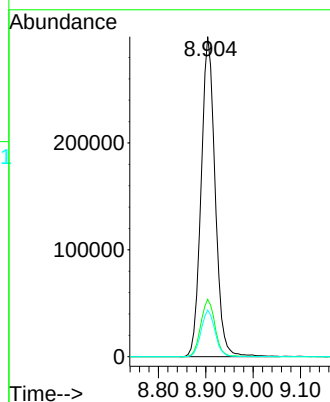
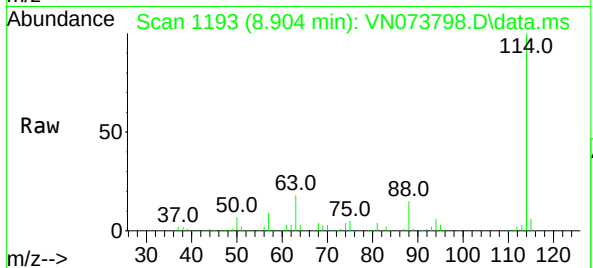
Tgt Ion:114 Resp: 615163

Ion Ratio Lower Upper

114 100

63 17.9 0.0 40.0

88 14.6 0.0 32.6



#35

Dibromofluoromethane

Concen: 57.859 ug/l

RT: 7.951 min Scan# 1031

Delta R.T. 0.000 min

Lab File: VN073798.D

Acq: 10 Aug 2022 15:20

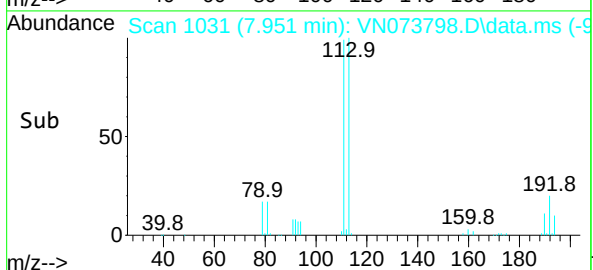
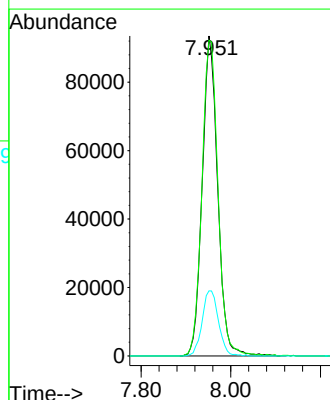
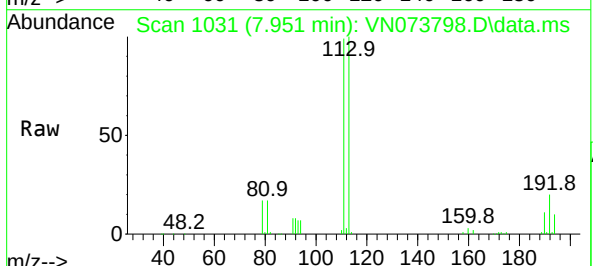
Tgt Ion:113 Resp: 223500

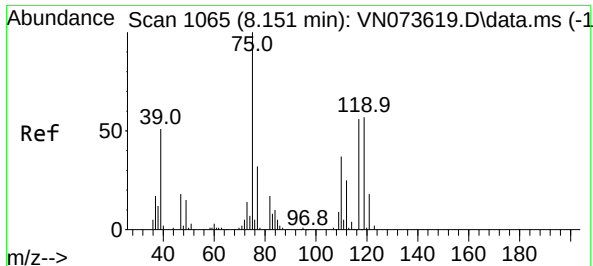
Ion Ratio Lower Upper

113 100

111 102.6 81.4 122.0

192 21.6 17.0 25.6





#36

1,1-Dichloropropene

Concen: 4.801 ug/l

RT: 8.016 min Scan# 1042

Delta R.T. -0.135 min

Lab File: VN073798.D

Acq: 10 Aug 2022 15:20

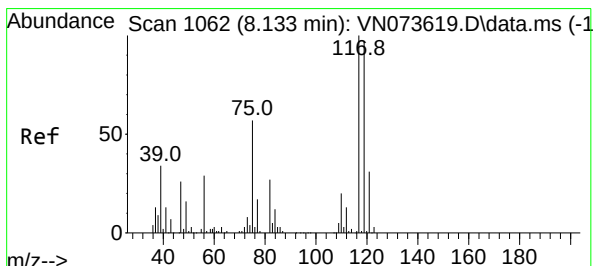
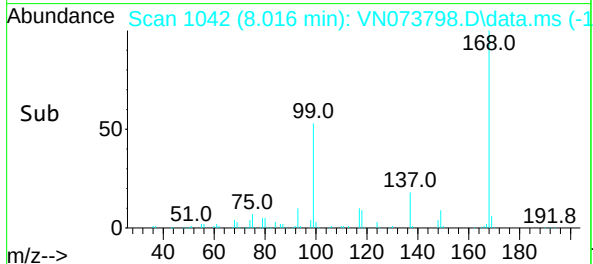
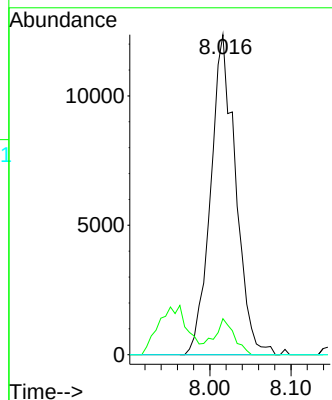
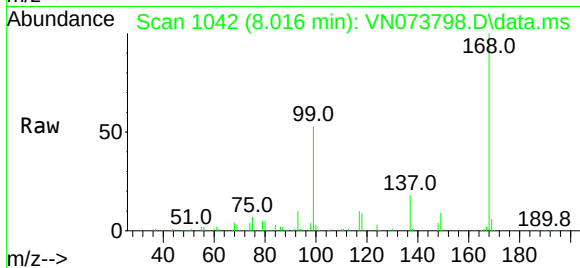
Instrument :

MSVOA_N

ClientSampleId :

BP-MW158S1-GW-215-217

Tgt Ion: 75	Resp: 26434
Ion Ratio	Lower Upper
75	100
110	8.7 18.3 54.8#
77	0.0 25.1 37.7#



#38

Carbon Tetrachloride

Concen: 6.507 ug/l

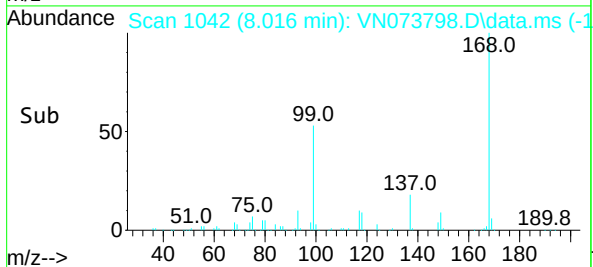
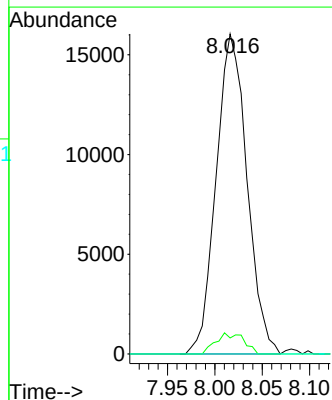
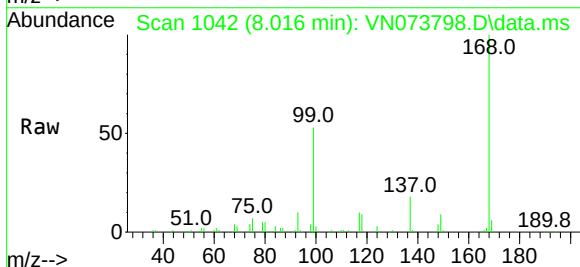
RT: 8.016 min Scan# 1042

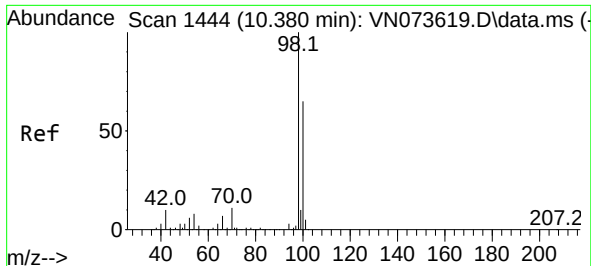
Delta R.T. -0.117 min

Lab File: VN073798.D

Acq: 10 Aug 2022 15:20

Tgt Ion: 117	Resp: 36384
Ion Ratio	Lower Upper
117	100
119	5.0 75.8 113.8#
121	0.0 24.6 37.0#

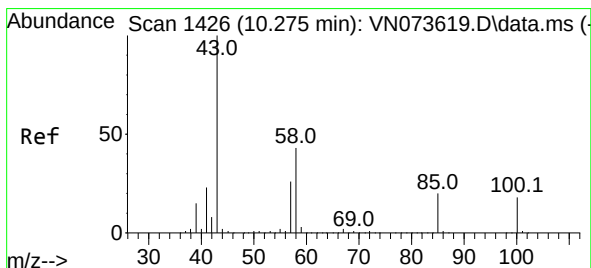
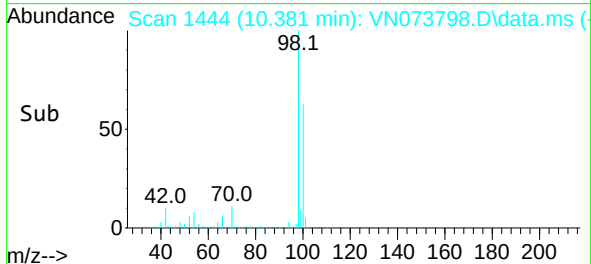
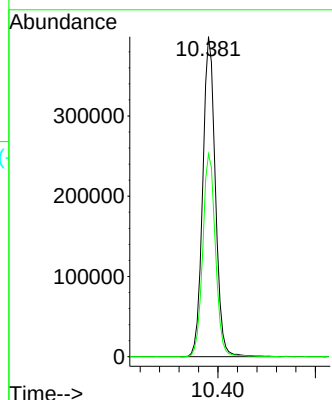
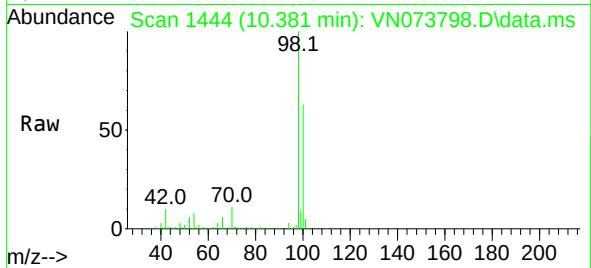




#50
Toluene-d8
Concen: 47.317 ug/l
RT: 10.381 min Scan# 1444
Delta R.T. 0.000 min
Lab File: VN073798.D
Acq: 10 Aug 2022 15:20

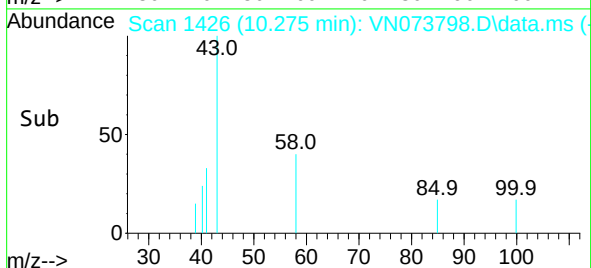
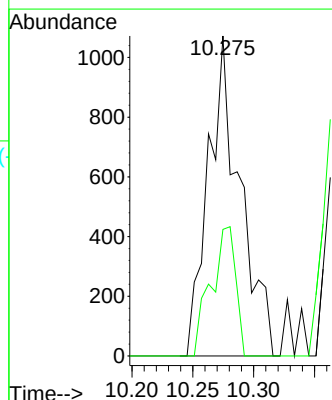
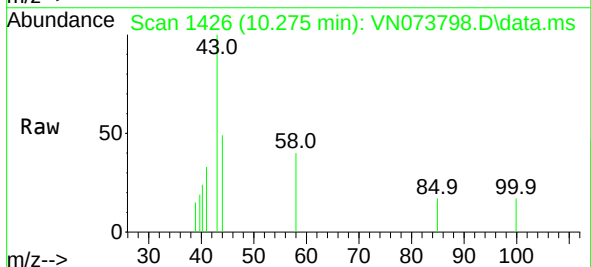
Instrument :
MSVOA_N
ClientSampleId :
BP-MW158S1-GW-215-217

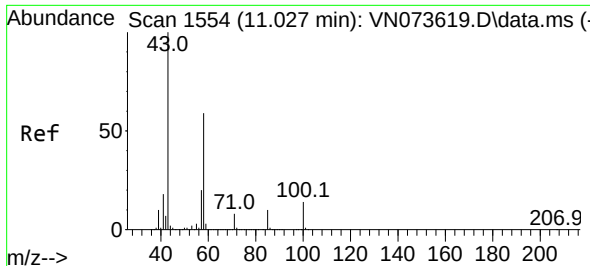
Tgt Ion: 98 Resp: 719251
Ion Ratio Lower Upper
98 100
100 63.9 52.6 78.8



#51
4-Methyl-2-Pentanone
Concen: 0.277 ug/l
RT: 10.275 min Scan# 1426
Delta R.T. -0.000 min
Lab File: VN073798.D
Acq: 10 Aug 2022 15:20

Tgt Ion: 43 Resp: 1947
Ion Ratio Lower Upper
43 100
58 31.4 34.1 51.1#

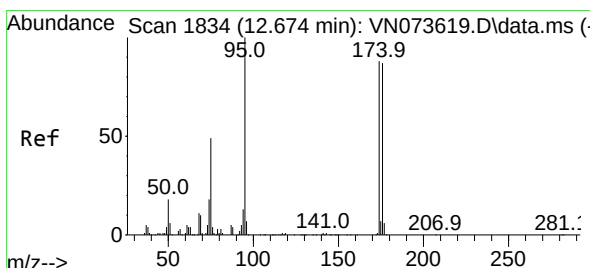
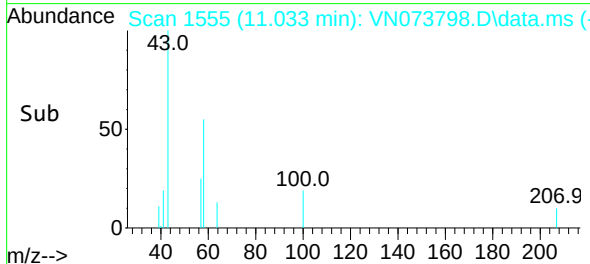
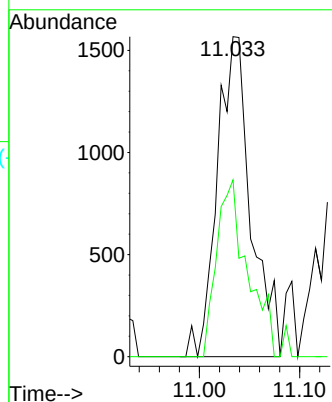
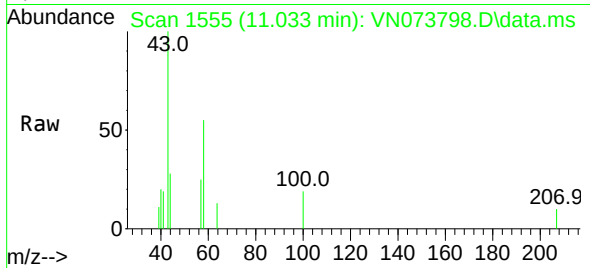




#59
2-Hexanone
Concen: 0.685 ug/l
RT: 11.033 min Scan# 11
Delta R.T. 0.006 min
Lab File: VN073798.D
Acq: 10 Aug 2022 15:20

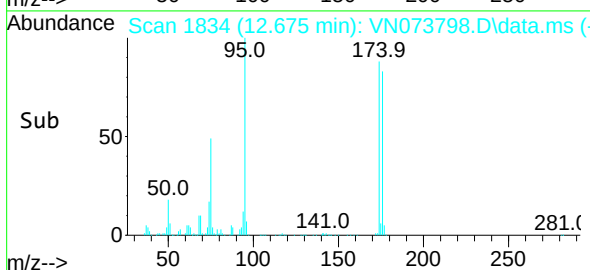
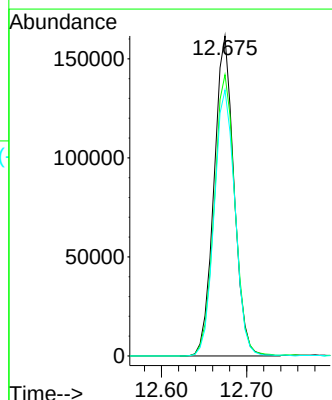
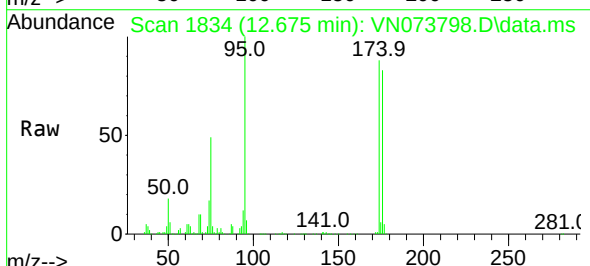
Instrument :
MSVOA_N
ClientSampleId :
BP-MW158S1-GW-215-217

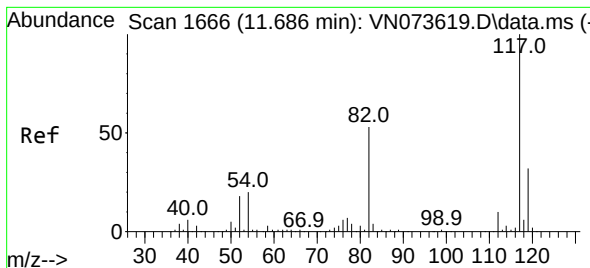
Tgt Ion: 43 Resp: 3643
Ion Ratio Lower Upper
43 100
58 50.8 29.7 89.1



#62
4-Bromofluorobenzene
Concen: 49.386 ug/l
RT: 12.675 min Scan# 1834
Delta R.T. 0.001 min
Lab File: VN073798.D
Acq: 10 Aug 2022 15:20

Tgt Ion: 95 Resp: 263344
Ion Ratio Lower Upper
95 100
174 91.1 0.0 167.6
176 86.4 0.0 163.4





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.686 min Scan# 1

Delta R.T. 0.000 min

Lab File: VN073798.D

Acq: 10 Aug 2022 15:20

Instrument :

MSVOA_N

ClientSampleId :

BP-MW158S1-GW-215-217

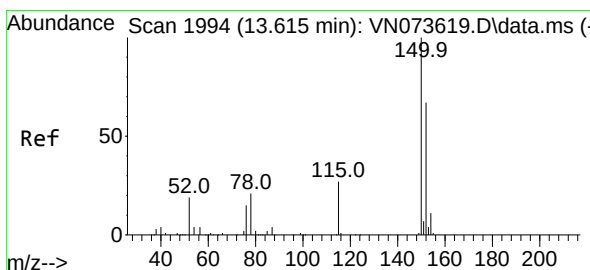
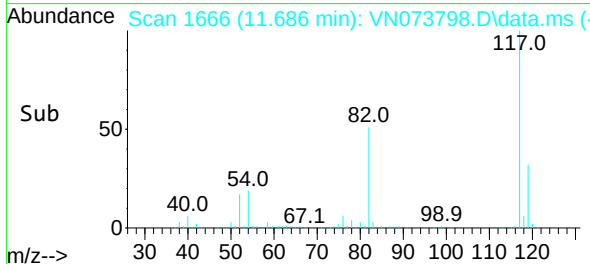
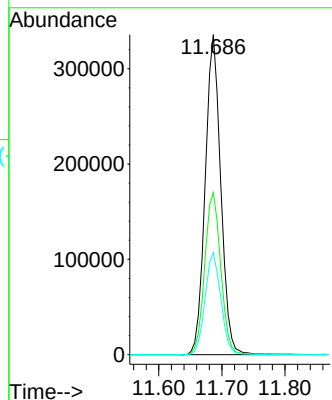
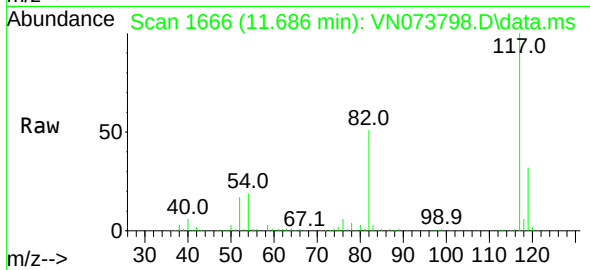
Tgt Ion:117 Resp: 574638

Ion Ratio Lower Upper

117 100

82 50.6 44.2 66.2

119 31.9 25.4 38.0



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.616 min Scan# 1994

Delta R.T. 0.000 min

Lab File: VN073798.D

Acq: 10 Aug 2022 15:20

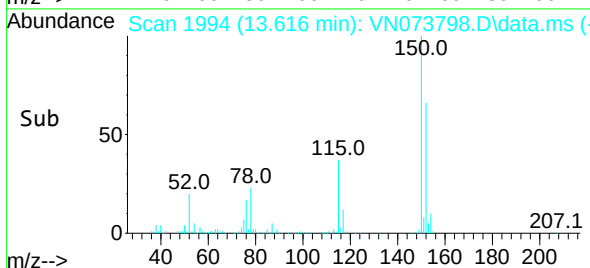
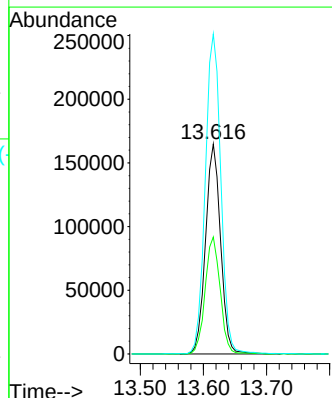
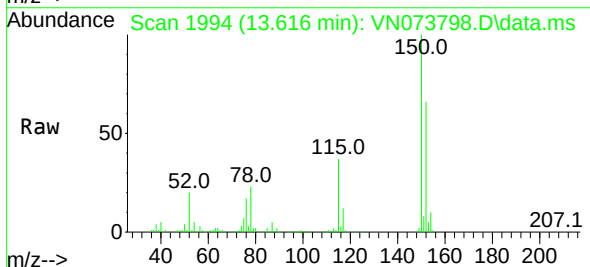
Tgt Ion:152 Resp: 272810

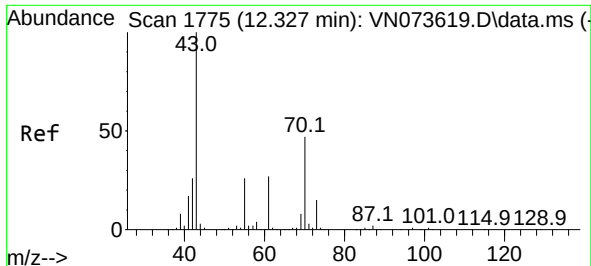
Ion Ratio Lower Upper

152 100

115 55.8 28.9 86.7

150 157.0 0.0 356.2

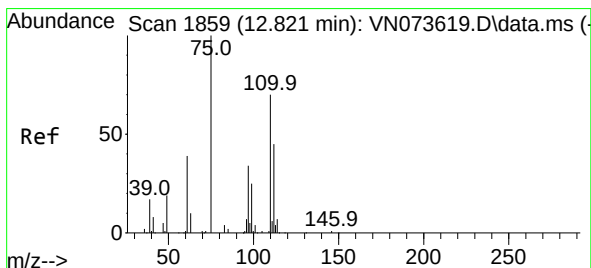
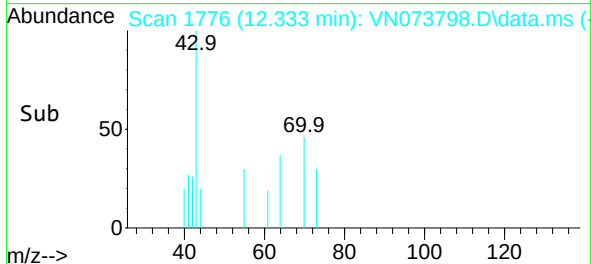
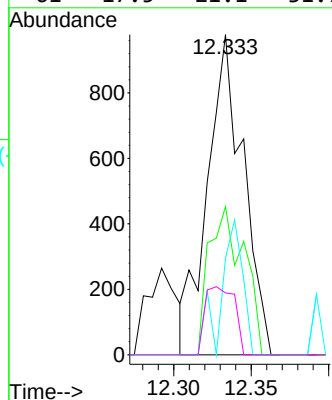
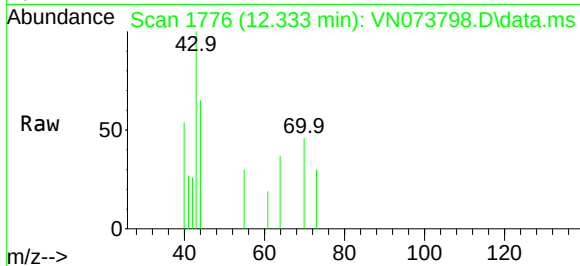




#74
N-amy1 acetate
Concen: 0.209 ug/l
RT: 12.333 min Scan# 11
Delta R.T. 0.006 min
Lab File: VN073798.D
Acq: 10 Aug 2022 15:20

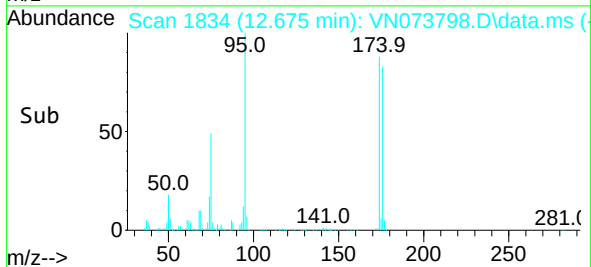
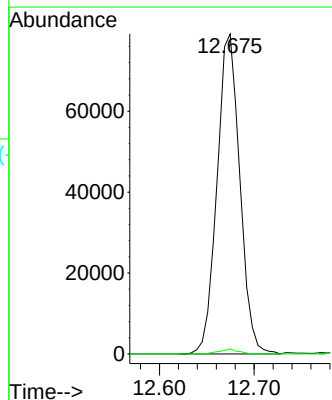
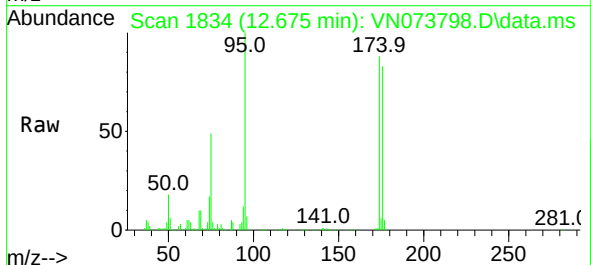
Instrument :
MSVOA_N
ClientSampleId :
BP-MW158S1-GW-215-217

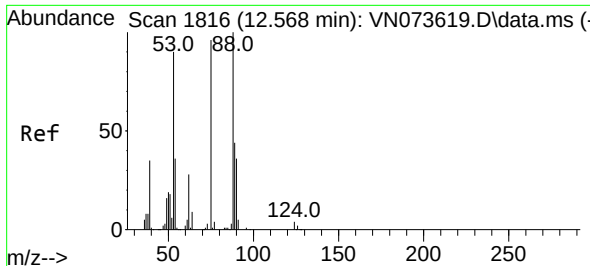
Tgt Ion: 43	Resp: 1574
Ion Ratio	Lower Upper
43 100	
70 45.0	39.0 58.4
55 25.4	21.1 31.7
61 17.5	21.1 31.7#



#76
1,2,3-Trichloropropane
Concen: 24.895 ug/l
RT: 12.675 min Scan# 1834
Delta R.T. -0.146 min
Lab File: VN073798.D
Acq: 10 Aug 2022 15:20

Tgt Ion: 75	Resp: 132506
Ion Ratio	Lower Upper
75 100	
77 1.3	98.5 295.5#

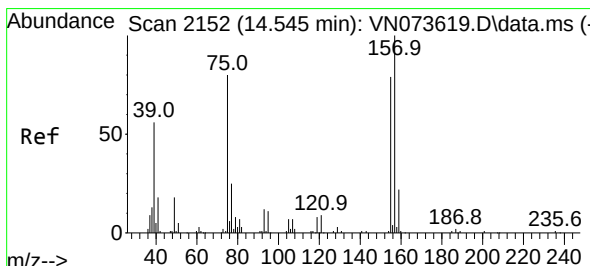
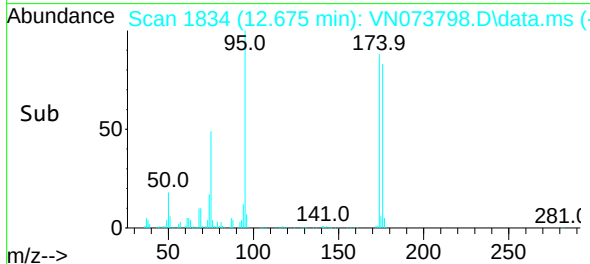
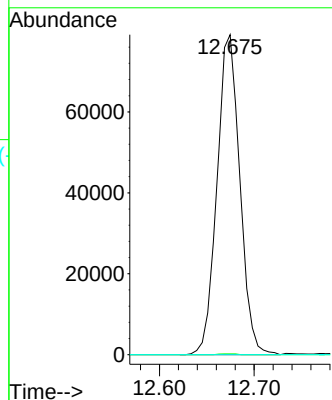
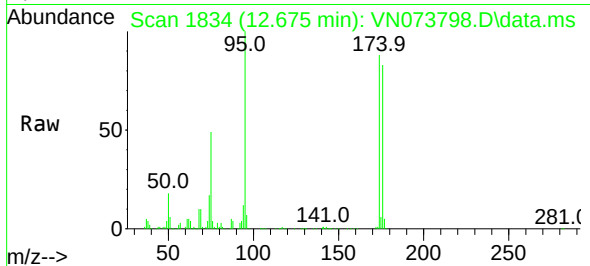




#81
trans-1,4-Dichloro-2-butene
Concen: 62.944 ug/l
RT: 12.675 min Scan# 11
Delta R.T. 0.106 min
Lab File: VN073798.D
Acq: 10 Aug 2022 15:20

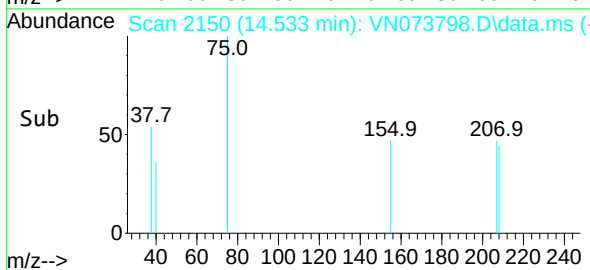
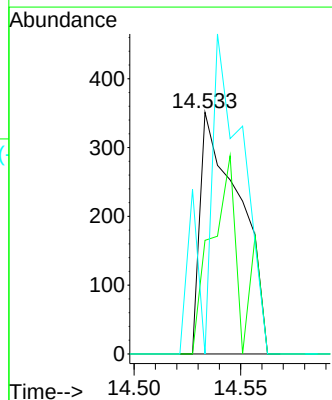
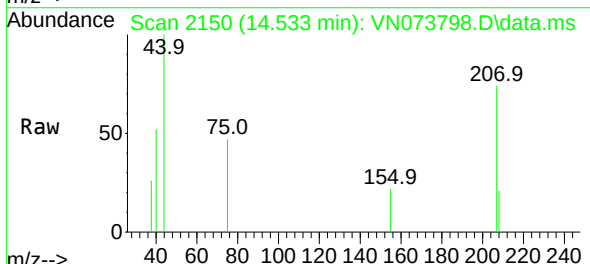
Instrument :
MSVOA_N
ClientSampleId :
BP-MW158S1-GW-215-217

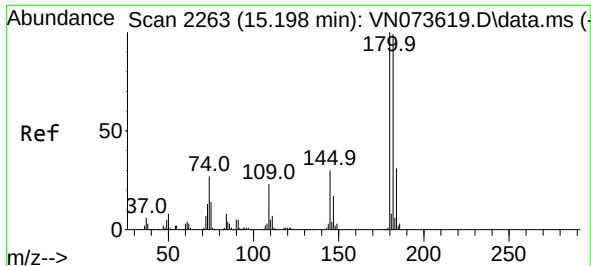
Tgt Ion: 75 Resp: 132506
Ion Ratio Lower Upper
75 100
53 0.2 78.0 117.0#
89 0.0 37.2 55.8#



#92
1,2-Dibromo-3-Chloropropane
Concen: 0.290 ug/l
RT: 14.533 min Scan# 2150
Delta R.T. -0.012 min
Lab File: VN073798.D
Acq: 10 Aug 2022 15:20

Tgt Ion: 75 Resp: 449
Ion Ratio Lower Upper
75 100
155 62.6 44.9 134.5
157 118.7 59.0 176.8

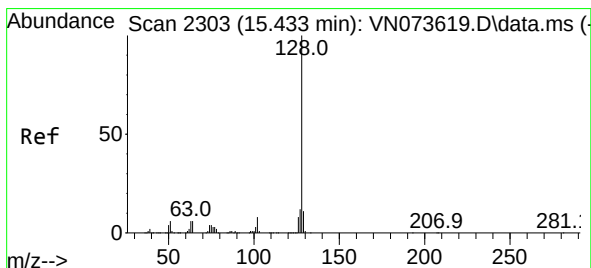
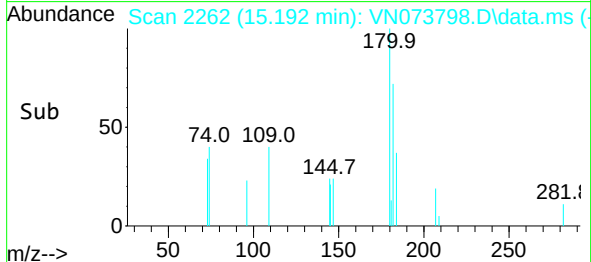
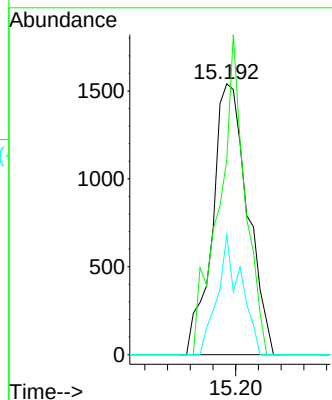
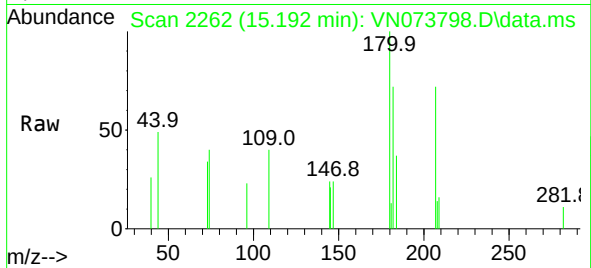




#93
1,2,4-Trichlorobenzene
Concen: 0.695 ug/l
RT: 15.192 min Scan# 21
Delta R.T. -0.006 min
Lab File: VN073798.D
Acq: 10 Aug 2022 15:20

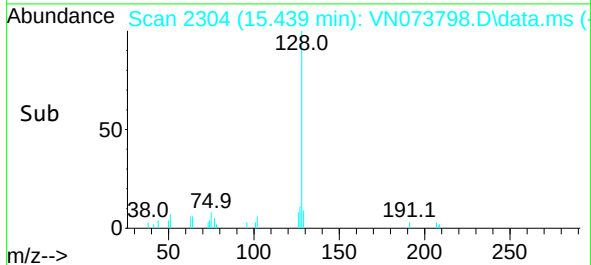
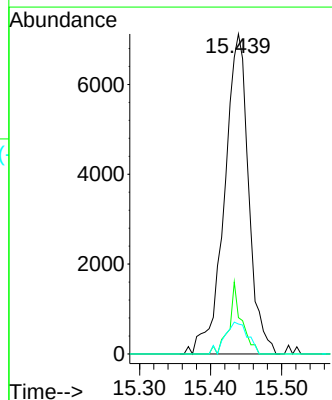
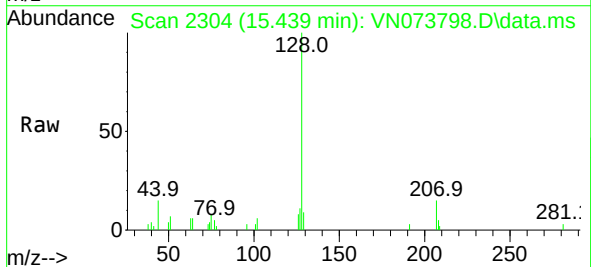
Instrument :
MSVOA_N
ClientSampleId :
BP-MW158S1-GW-215-217

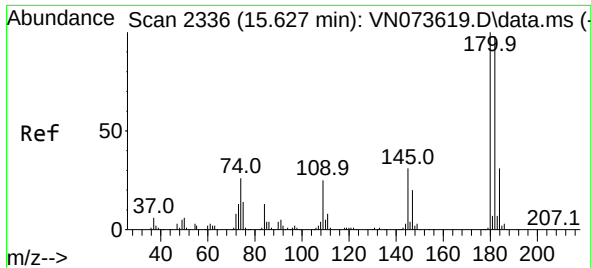
Tgt Ion:180 Resp: 3320
Ion Ratio Lower Upper
180 100
182 87.0 47.5 142.5
145 29.5 14.5 43.5



#95
Naphthalene
Concen: 1.086 ug/l
RT: 15.439 min Scan# 2304
Delta R.T. 0.006 min
Lab File: VN073798.D
Acq: 10 Aug 2022 15:20

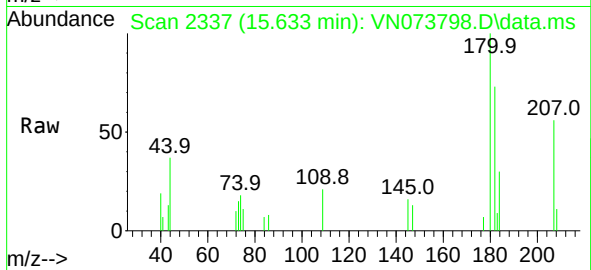
Tgt Ion:128 Resp: 16827
Ion Ratio Lower Upper
128 100
127 11.5 10.3 15.5
129 9.3 8.6 13.0





#96
 1,2,3-Trichlorobenzene
 Concen: 0.840 ug/l
 RT: 15.633 min Scan# 21
 Delta R.T. 0.006 min
 Lab File: VN073798.D
 Acq: 10 Aug 2022 15:20

Instrument :
 MSVOA_N
 ClientSampleId :
 BP-MW158S1-GW-215-217



Tgt Ion:	180	Resp:	4222
Ion	Ratio	Lower	Upper
180	100		
182	100.3	47.8	143.3
145	21.3	15.5	46.5

