

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN081022\
 Data File : VN073800.D
 Acq On : 10 Aug 2022 16:10
 Operator : JC\MD
 Sample : N4111-03
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 BP-MW158S1-GW-225-227

Quant Time: Aug 10 22:54:50 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)

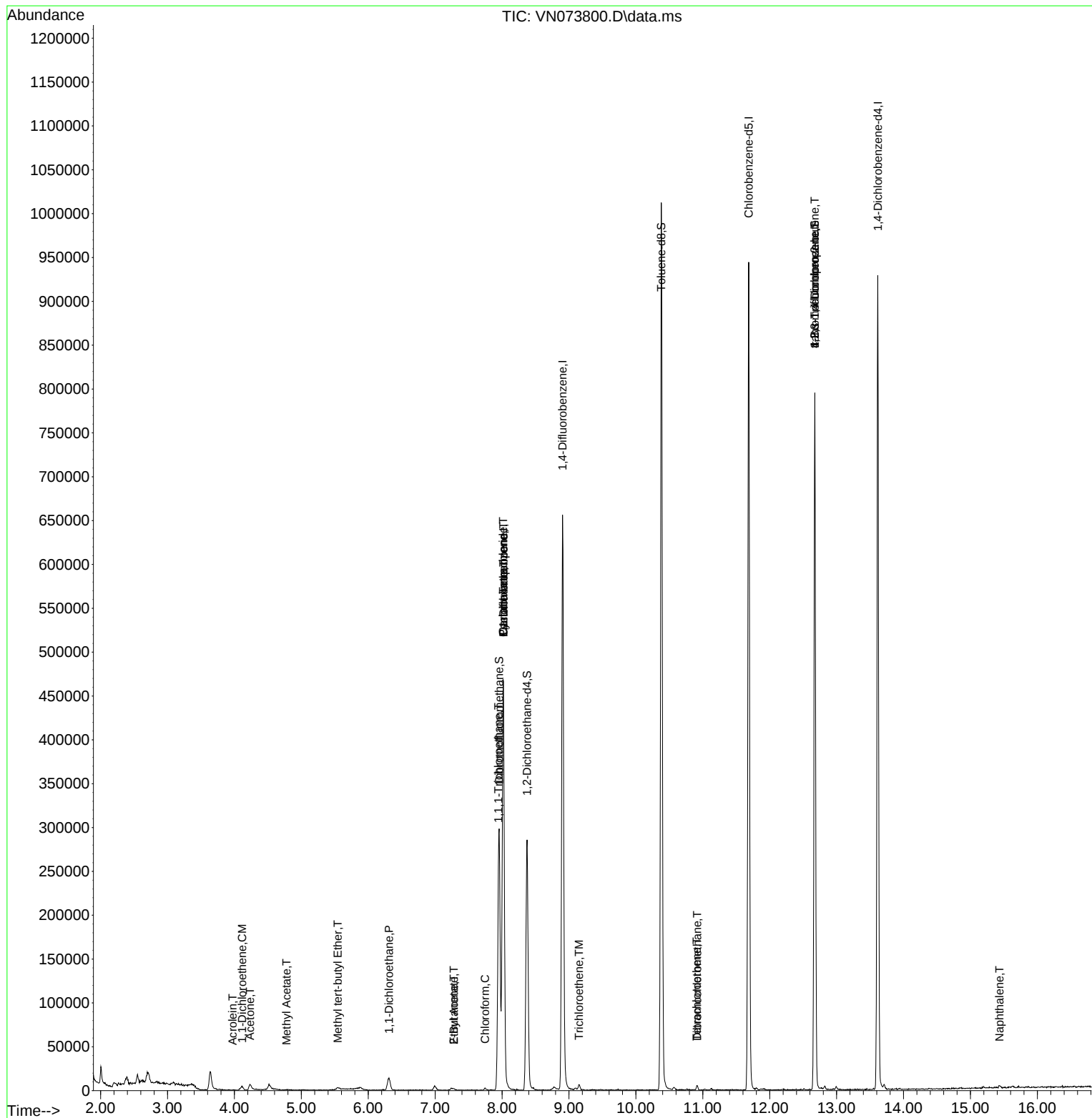
Internal Standards						
1) Pentafluorobenzene	8.022	168	380845	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.904	114	597099	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.686	117	565431	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.616	152	262147	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.375	65	237685	51.212	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	= 102.420%	
35) Dibromofluoromethane	7.957	113	221208	58.998	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	= 118.000%	
50) Toluene-d8	10.380	98	708693	48.033	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	= 96.060%	
62) 4-Bromofluorobenzene	12.674	95	257124	49.662	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	= 99.320%	
Target Compounds						Qvalue
3) Chloromethane	2.263	50	1243	Below Cal	#	81
6) Chloroethane	2.981	64	575	Below Cal	#	79
12) 1,1-Dichloroethene	4.116	96	2408	0.666	ug/l #	69
13) Acrolein	3.975	56	222	0.224	ug/l #	16
16) Acetone	4.234	43	12062	4.839	ug/l #	84
18) Methyl Acetate	4.781	43	1427	0.230	ug/l #	57
19) Methyl tert-butyl Ether	5.545	73	2931	0.237	ug/l	97
20) Methylene Chloride	5.022	84	129	Below Cal	#	53
24) 1,1-Dichloroethane	6.310	63	21768	2.839	ug/l	95
25) 2-Butanone	7.281	43	3105	0.802	ug/l	95
30) Chloroform	7.745	83	2157	0.270	ug/l	93
31) Cyclohexane	8.022	56	7278	1.053	ug/l #	18
32) 1,1,1-Trichloroethane	7.945	97	3001	0.452	ug/l #	50
36) 1,1-Dichloropropene	8.022	75	26024	4.870	ug/l #	48
37) Ethyl Acetate	7.281	43	3105	0.441	ug/l #	67
38) Carbon Tetrachloride	8.016	117	34726	6.398	ug/l #	18
44) Trichloroethene	9.151	130	2470	0.561	ug/l	90
60) Dibromochloromethane	10.916	129	1385	0.315	ug/l #	11
64) Tetrachloroethene	10.910	164	1448	0.322	ug/l #	75
76) 1,2,3-Trichloropropane	12.674	75	130734	25.653	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.674	75	130734	64.629	ug/l #	11
95) Naphthalene	15.433	128	3033	0.204	ug/l	98

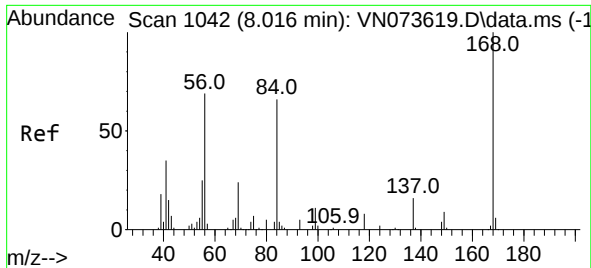
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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BP-MW158S1-GW-225-227

Quant Time: Aug 10 22:54:50 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

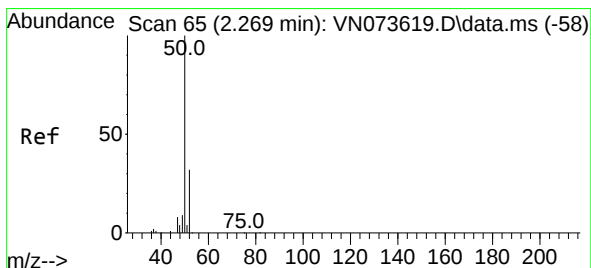
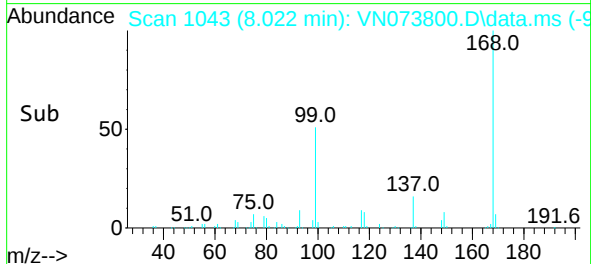
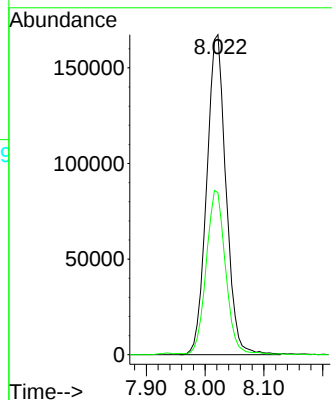
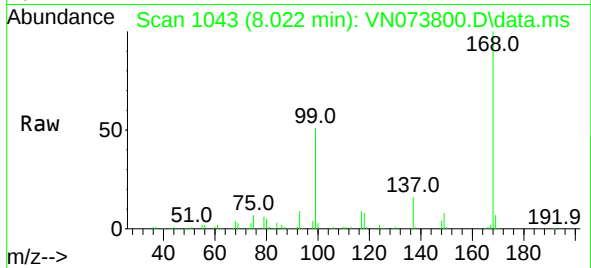




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.022 min Scan# 10
Delta R.T. 0.006 min
Lab File: VN073800.D
Acq: 10 Aug 2022 16:10

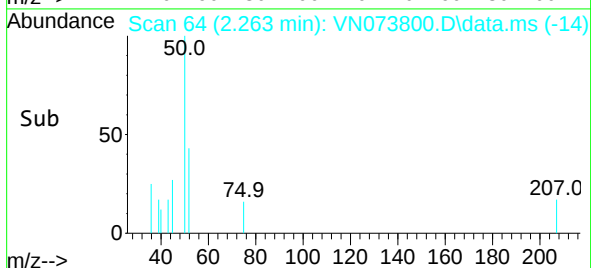
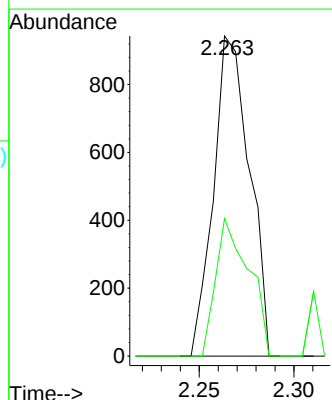
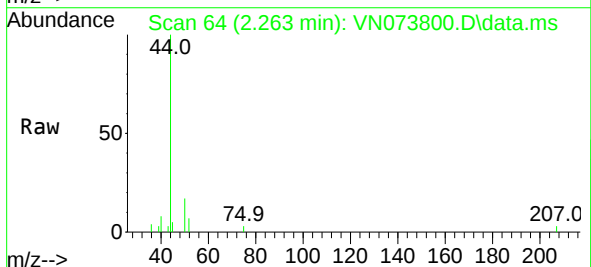
Instrument :
MSVOA_N
ClientSampleId :
BP-MW158S1-GW-225-227

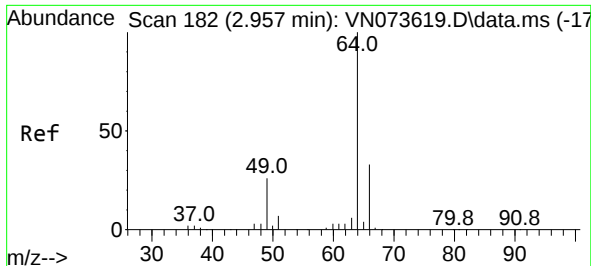
Tgt Ion:168 Resp: 380845
Ion Ratio Lower Upper
168 100
99 50.4 42.3 63.5



#3
Chloromethane
Concen: Below Cal
RT: 2.263 min Scan# 64
Delta R.T. -0.006 min
Lab File: VN073800.D
Acq: 10 Aug 2022 16:10

Tgt Ion: 50 Resp: 1243
Ion Ratio Lower Upper
50 100
52 42.9 25.7 38.5#

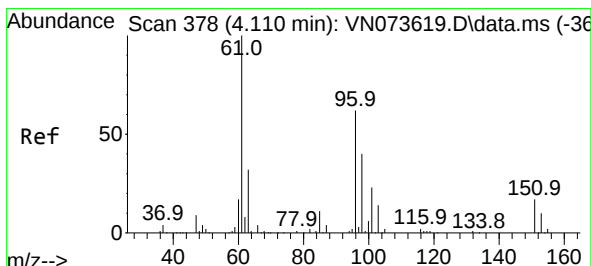
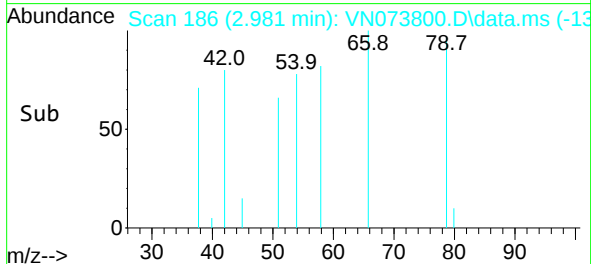
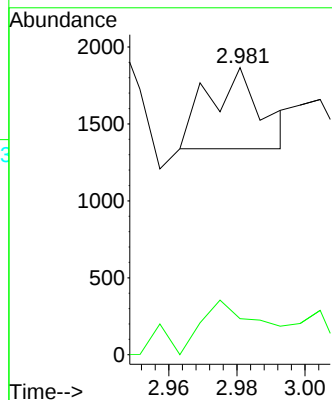
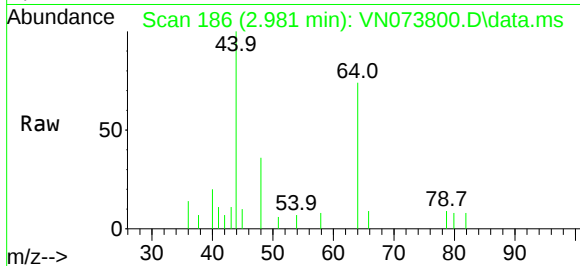




#6
Chloroethane
Concen: Below Cal
RT: 2.981 min Scan# 11
Delta R.T. 0.024 min
Lab File: VN073800.D
Acq: 10 Aug 2022 16:10

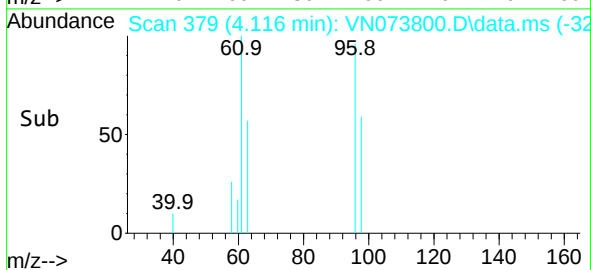
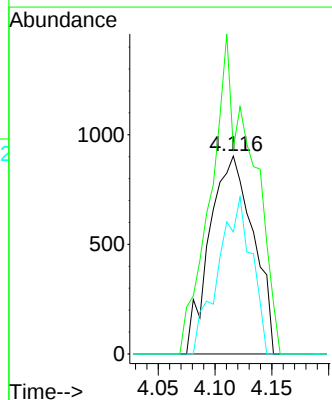
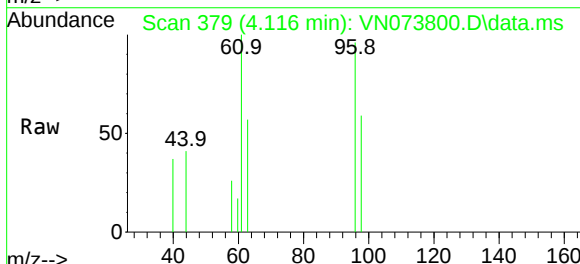
Instrument :
MSVOA_N
ClientSampleId :
BP-MW158S1-GW-225-227

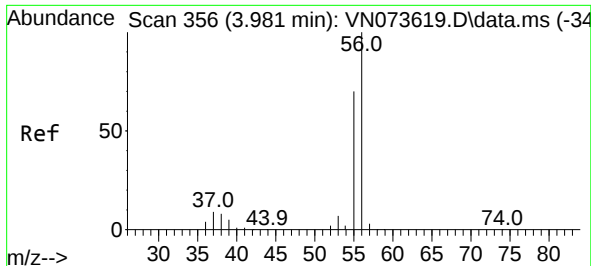
Tgt Ion: 64 Resp: 575
Ion Ratio Lower Upper
64 100
66 44.4 26.2 39.4#



#12
1,1-Dichloroethene
Concen: 0.666 ug/l
RT: 4.116 min Scan# 379
Delta R.T. 0.006 min
Lab File: VN073800.D
Acq: 10 Aug 2022 16:10

Tgt Ion: 96 Resp: 2408
Ion Ratio Lower Upper
96 100
61 104.0 127.6 191.4#
98 61.6 51.2 76.8

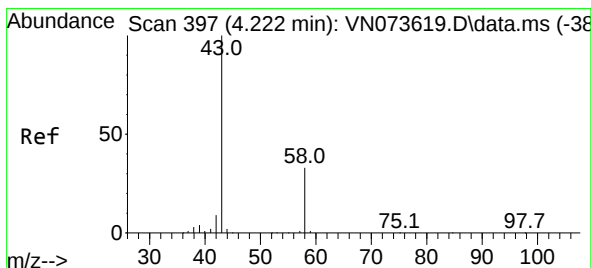
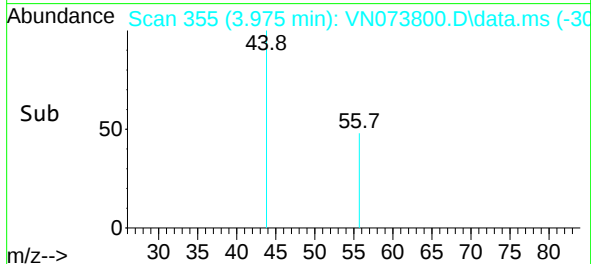
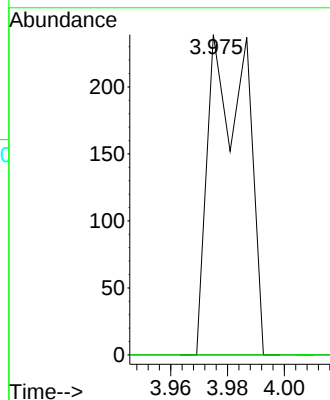
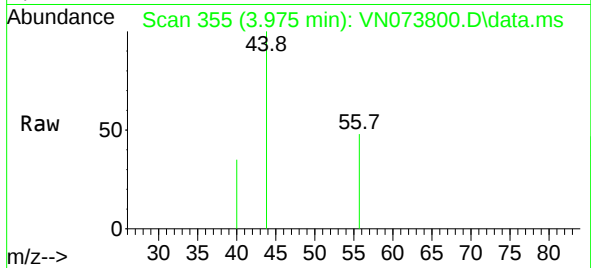




#13
Acrolein
Concen: 0.224 ug/l
RT: 3.975 min Scan# 311
Delta R.T. -0.006 min
Lab File: VN073800.D
Acq: 10 Aug 2022 16:10

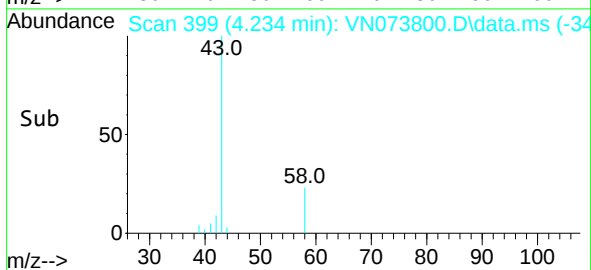
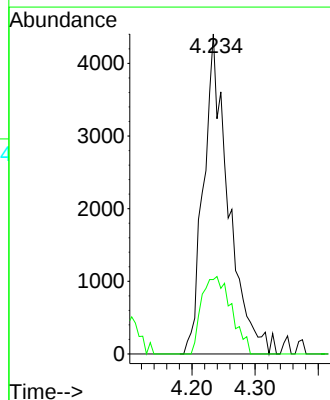
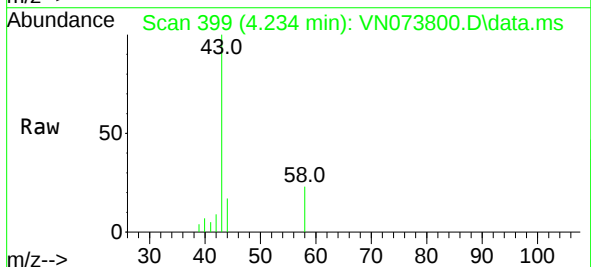
Instrument :
MSVOA_N
ClientSampleId :
BP-MW158S1-GW-225-227

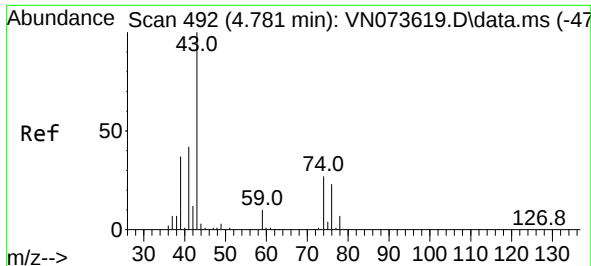
Tgt Ion: 56 Resp: 222
Ion Ratio Lower Upper
56 100
55 0.0 54.8 82.2#



#16
Acetone
Concen: 4.839 ug/l
RT: 4.234 min Scan# 399
Delta R.T. 0.012 min
Lab File: VN073800.D
Acq: 10 Aug 2022 16:10

Tgt Ion: 43 Resp: 12062
Ion Ratio Lower Upper
43 100
58 23.3 26.0 39.0#

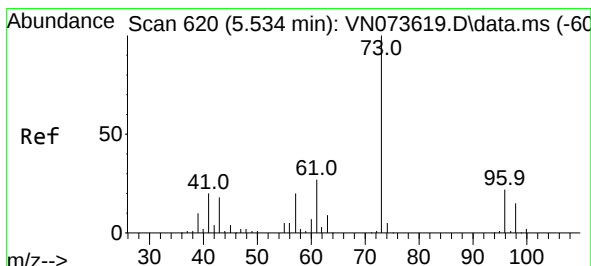
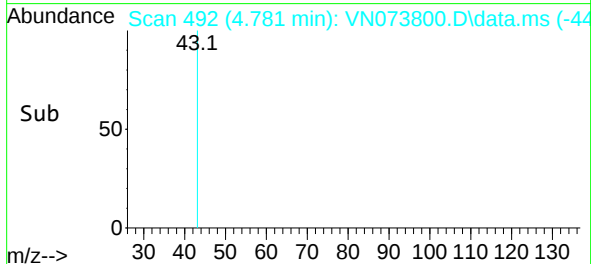
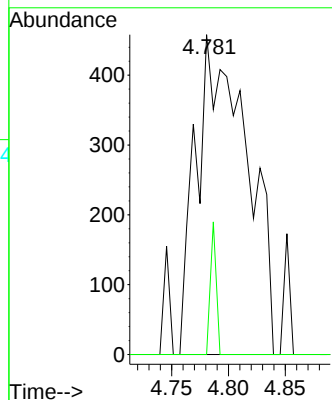
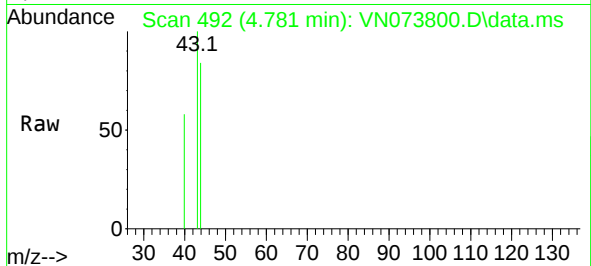




#18
Methyl Acetate
Concen: 0.230 ug/l
RT: 4.781 min Scan# 492
Delta R.T. 0.000 min
Lab File: VN073800.D
Acq: 10 Aug 2022 16:10

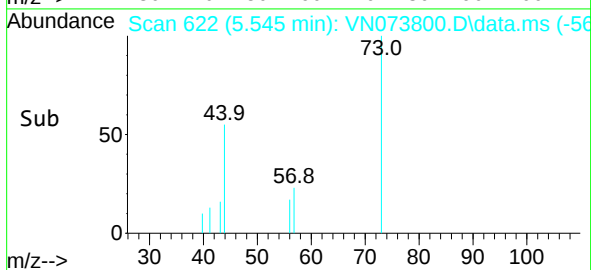
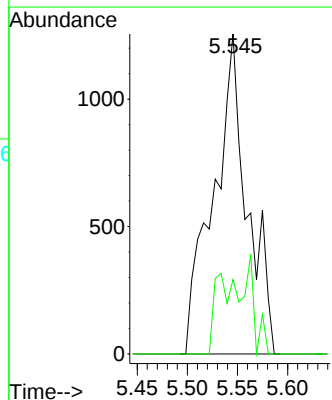
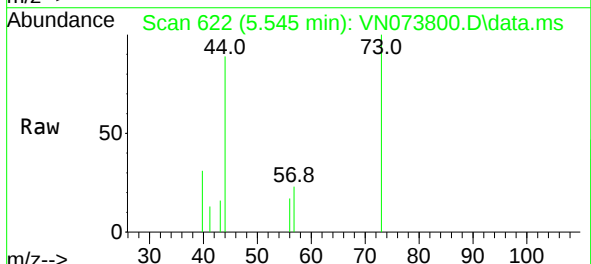
Instrument :
MSVOA_N
ClientSampleId :
BP-MW158S1-GW-225-227

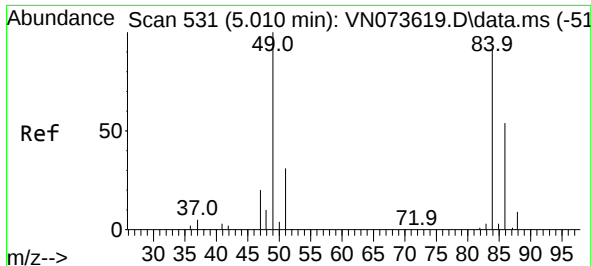
Tgt Ion: 43 Resp: 1427
Ion Ratio Lower Upper
43 100
74 4.7 21.6 32.4#



#19
Methyl tert-butyl Ether
Concen: 0.237 ug/l
RT: 5.545 min Scan# 622
Delta R.T. 0.012 min
Lab File: VN073800.D
Acq: 10 Aug 2022 16:10

Tgt Ion: 73 Resp: 2931
Ion Ratio Lower Upper
73 100
57 23.2 17.6 26.4





#20

Methylene Chloride

Concen: Below Cal

RT: 5.022 min Scan# 51

Delta R.T. 0.012 min

Lab File: VN073800.D

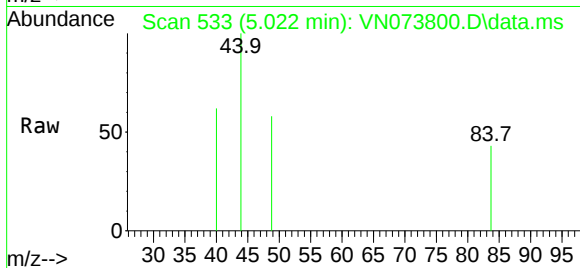
Acq: 10 Aug 2022 16:10

Instrument :

MSVOA_N

ClientSampleId :

BP-MW158S1-GW-225-227



Tgt Ion: 84 Resp: 129

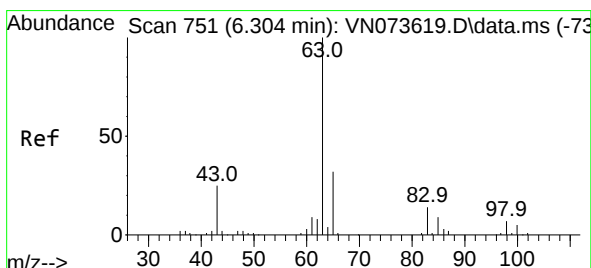
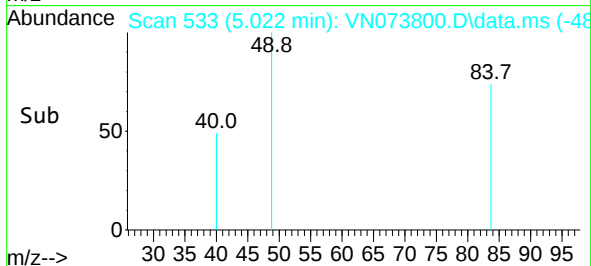
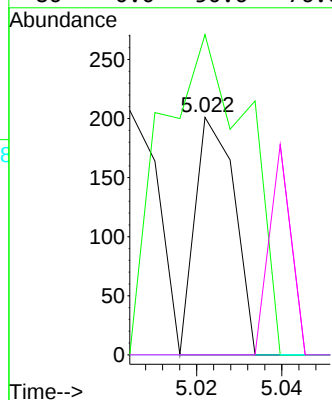
Ion Ratio Lower Upper

84 100

49 134.8 88.3 132.5#

51 0.0 28.2 42.2#

86 0.0 50.6 76.0#



#24

1,1-Dichloroethane

Concen: 2.839 ug/l

RT: 6.310 min Scan# 752

Delta R.T. 0.006 min

Lab File: VN073800.D

Acq: 10 Aug 2022 16:10

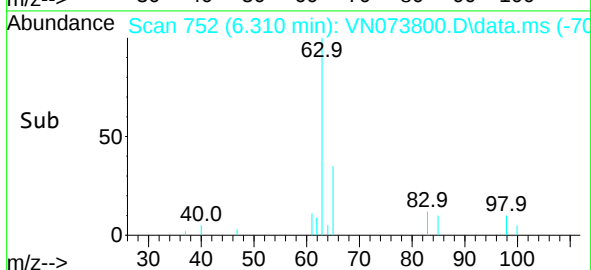
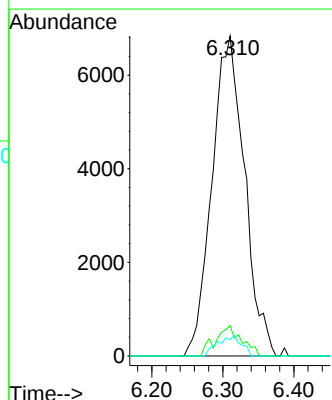
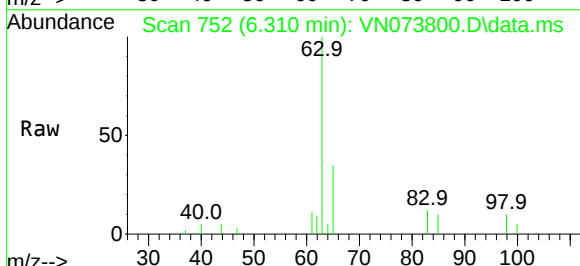
Tgt Ion: 63 Resp: 21768

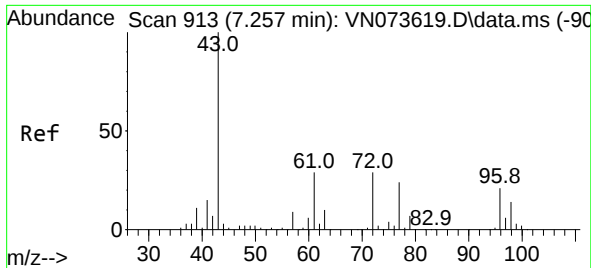
Ion Ratio Lower Upper

63 100

98 9.5 3.5 10.4

100 5.1 2.3 6.8

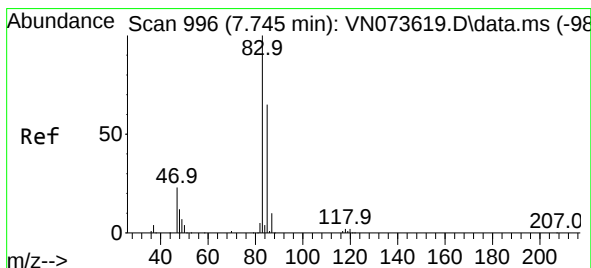
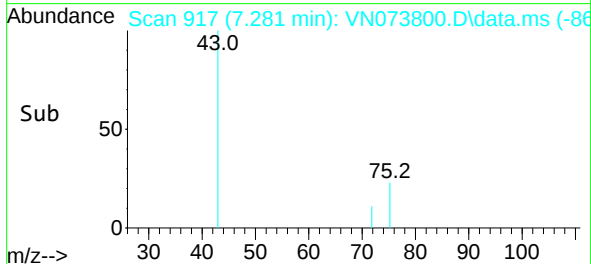
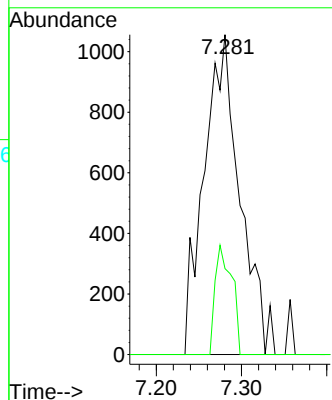
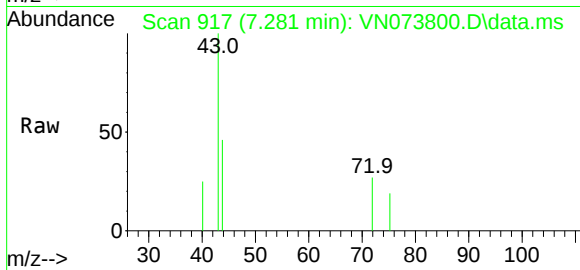




#25
2-Butanone
Concen: 0.802 ug/l
RT: 7.281 min Scan# 917
Delta R.T. 0.024 min
Lab File: VN073800.D
Acq: 10 Aug 2022 16:10

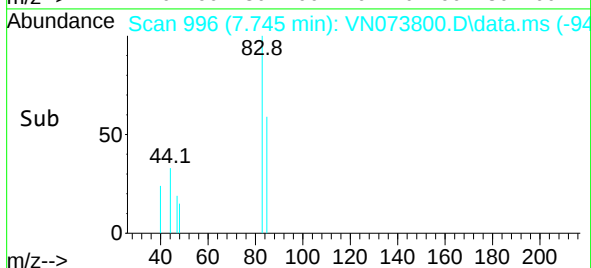
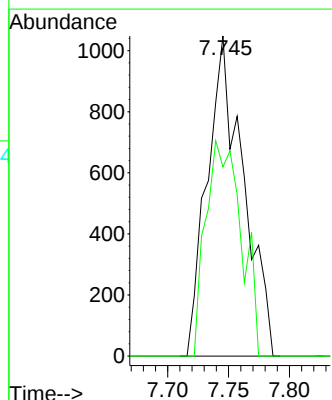
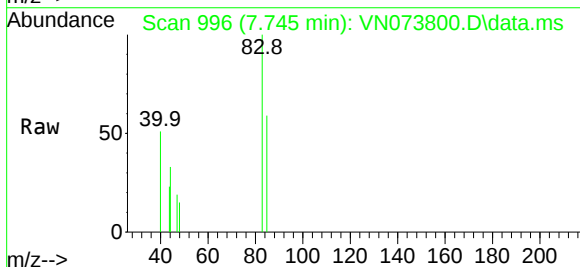
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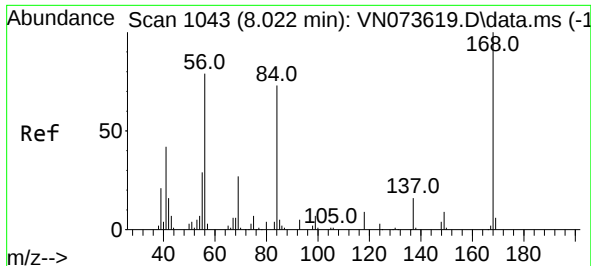
Tgt Ion: 43 Resp: 3105
Ion Ratio Lower Upper
43 100
72 26.9 23.7 35.5



#30
Chloroform
Concen: 0.270 ug/l
RT: 7.745 min Scan# 996
Delta R.T. 0.000 min
Lab File: VN073800.D
Acq: 10 Aug 2022 16:10

Tgt Ion: 83 Resp: 2157
Ion Ratio Lower Upper
83 100
85 59.1 51.8 77.8

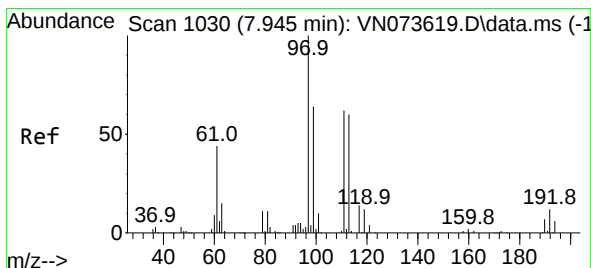
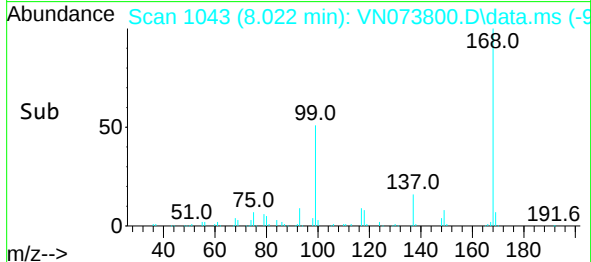
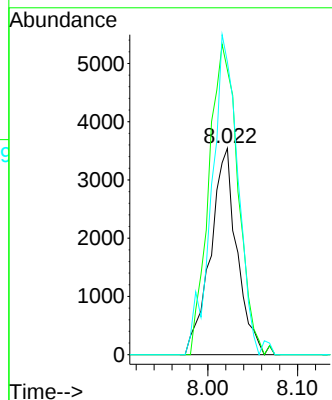
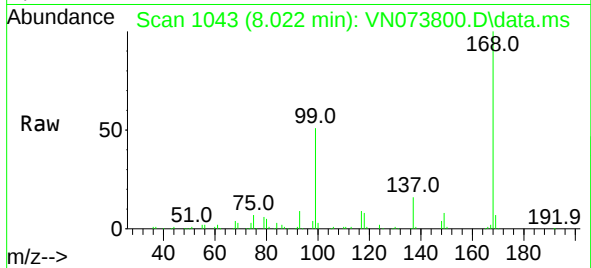




#31
Cyclohexane
Concen: 1.053 ug/l
RT: 8.022 min Scan# 1043
Delta R.T. 0.000 min
Lab File: VN073800.D
Acq: 10 Aug 2022 16:10

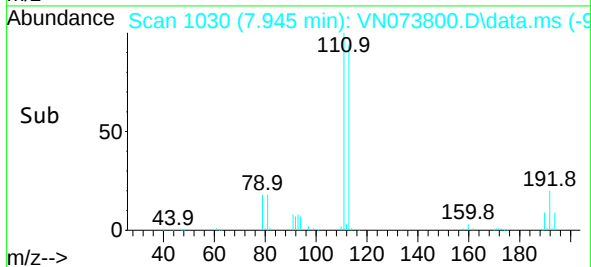
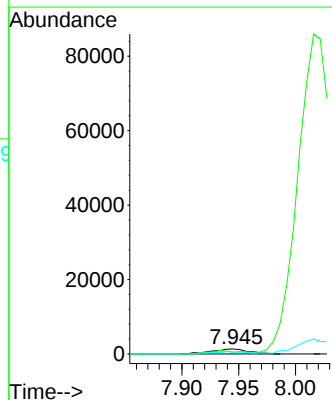
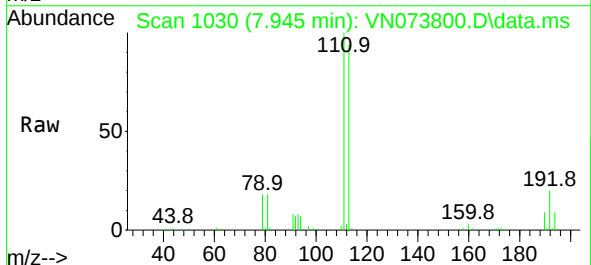
Instrument :
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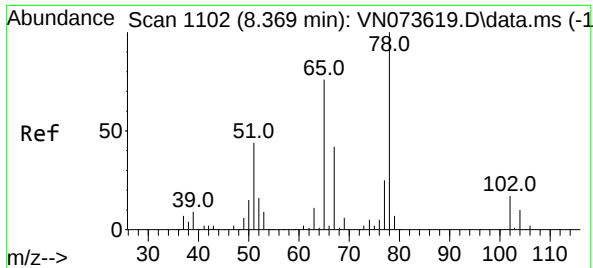
Tgt Ion: 56 Resp: 7278
Ion Ratio Lower Upper
56 100
69 137.9 27.8 41.8#
84 141.7 76.9 115.3#



#32
1,1,1-Trichloroethane
Concen: 0.452 ug/l
RT: 7.945 min Scan# 1030
Delta R.T. 0.000 min
Lab File: VN073800.D
Acq: 10 Aug 2022 16:10

Tgt Ion: 97 Resp: 3001
Ion Ratio Lower Upper
97 100
99 0.0 50.6 76.0#
61 48.7 36.0 54.0





#33

1,2-Dichloroethane-d4

Concen: 51.212 ug/l

RT: 8.375 min Scan# 1102

Delta R.T. 0.006 min

Lab File: VN073800.D

Acq: 10 Aug 2022 16:10

Instrument :

MSVOA_N

ClientSampleId :

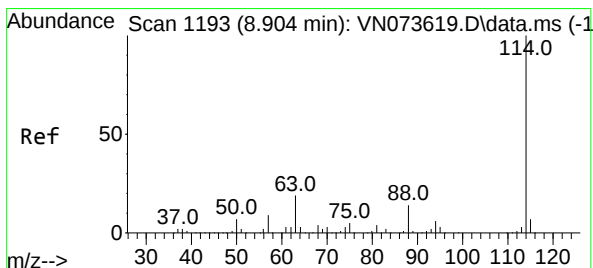
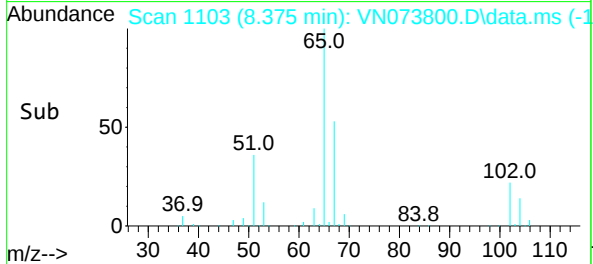
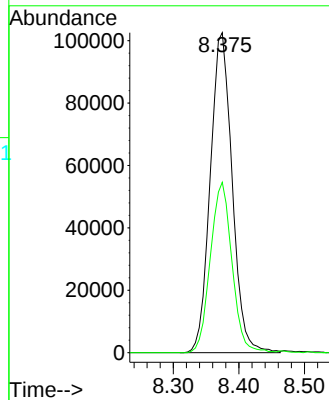
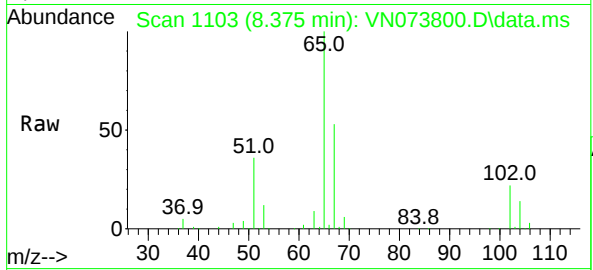
BP-MW158S1-GW-225-227

Tgt Ion: 65 Resp: 237685

Ion Ratio Lower Upper

65 100

67 52.5 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: VN073800.D

Acq: 10 Aug 2022 16:10

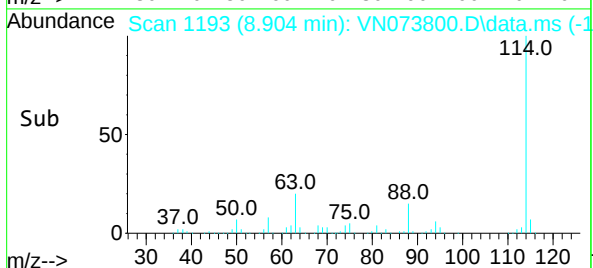
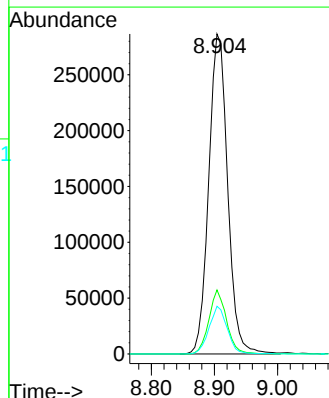
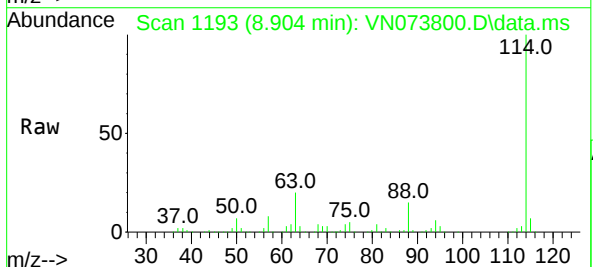
Tgt Ion: 114 Resp: 597099

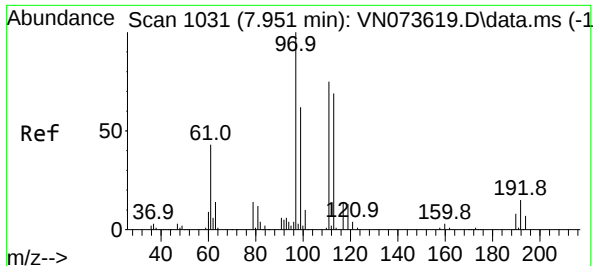
Ion Ratio Lower Upper

114 100

63 20.0 0.0 40.0

88 14.9 0.0 32.6

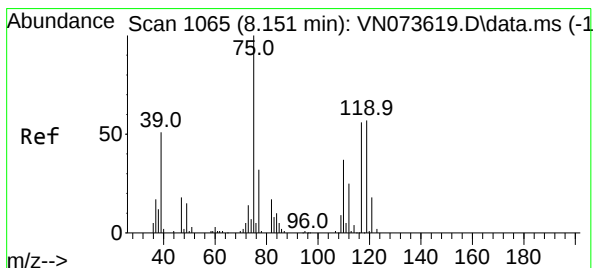
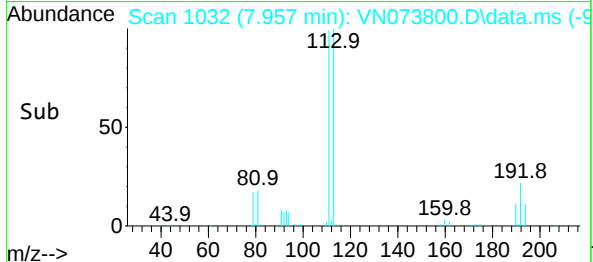
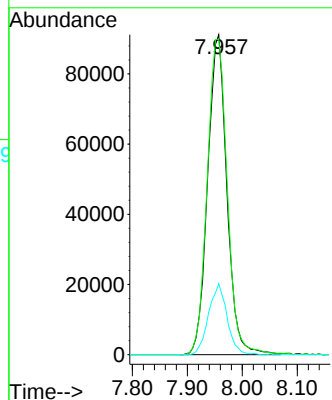
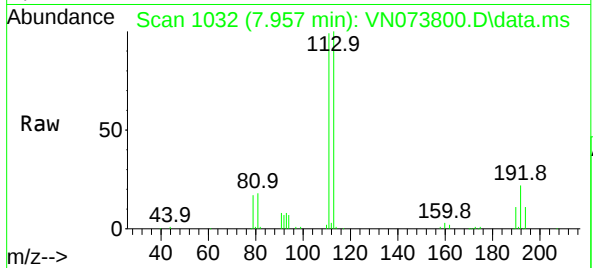




#35
Dibromofluoromethane
Concen: 58.998 ug/l
RT: 7.957 min Scan# 1043
Delta R.T. 0.006 min
Lab File: VN073800.D
Acq: 10 Aug 2022 16:10

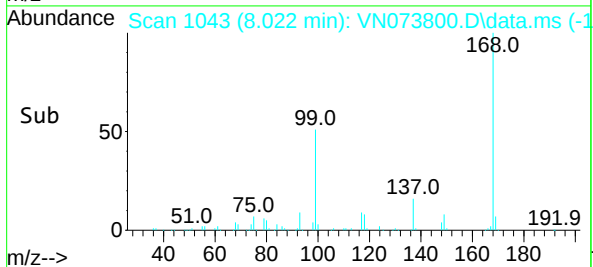
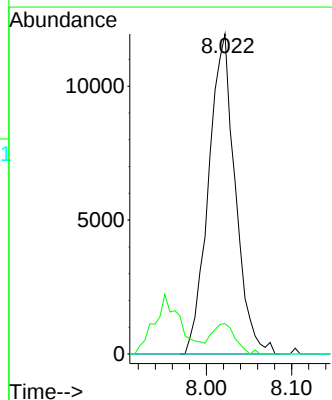
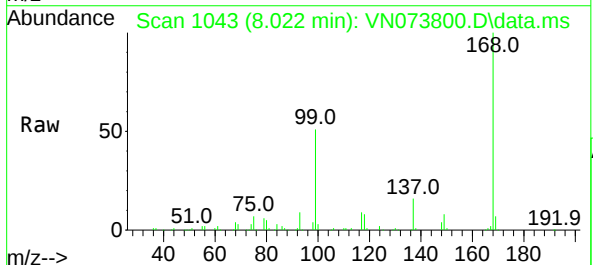
Instrument :
MSVOA_N
ClientSampleId :
BP-MW158S1-GW-225-227

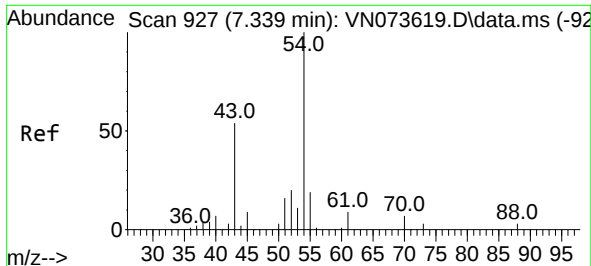
Tgt Ion:113 Resp: 221208
Ion Ratio Lower Upper
113 100
111 103.6 81.4 122.0
192 21.5 17.0 25.6



#36
1,1-Dichloropropene
Concen: 4.870 ug/l
RT: 8.022 min Scan# 1043
Delta R.T. -0.129 min
Lab File: VN073800.D
Acq: 10 Aug 2022 16:10

Tgt Ion: 75 Resp: 26024
Ion Ratio Lower Upper
75 100
110 8.2 18.3 54.8#
77 0.0 25.1 37.7#





#37

Ethyl Acetate

Concen: 0.441 ug/l

RT: 7.281 min Scan# 91

Delta R.T. -0.059 min

Lab File: VN073800.D

Acq: 10 Aug 2022 16:10

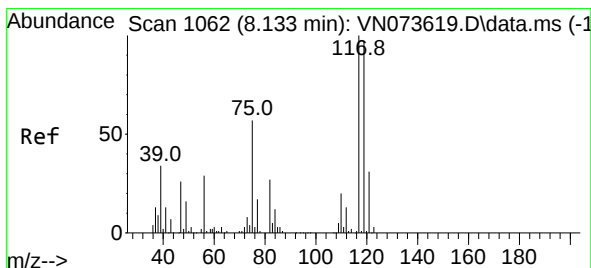
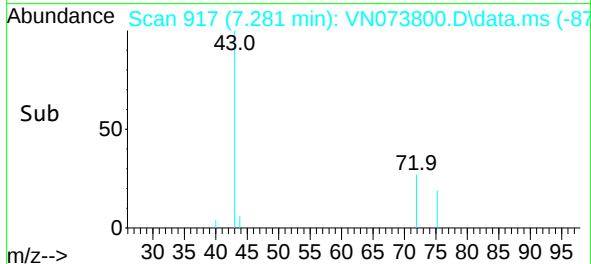
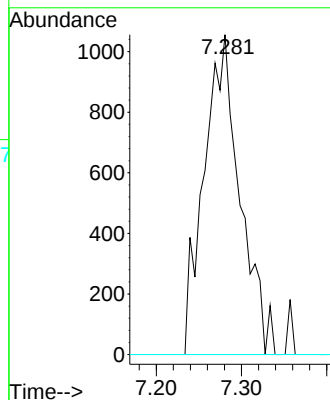
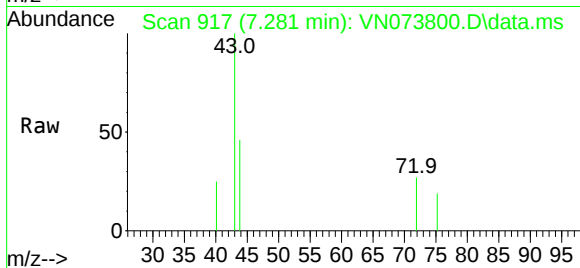
Instrument :

MSVOA_N

ClientSampleId :

BP-MW158S1-GW-225-227

Tgt Ion: 43	Resp:	3105
Ion	Ratio	Lower Upper
43	100	
61	0.0	11.8 17.6#
70	0.0	9.3 13.9#



#38

Carbon Tetrachloride

Concen: 6.398 ug/l

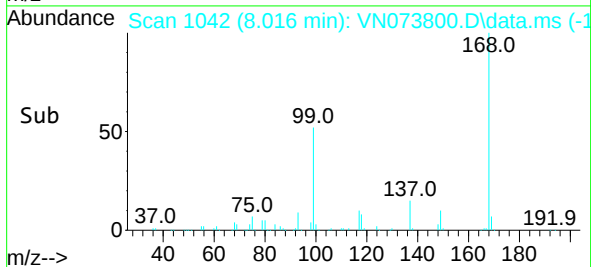
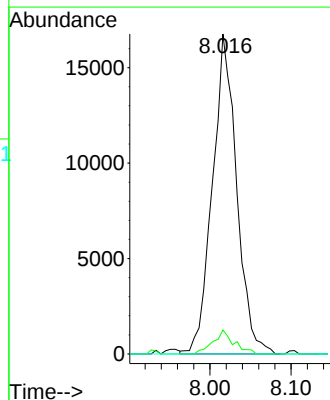
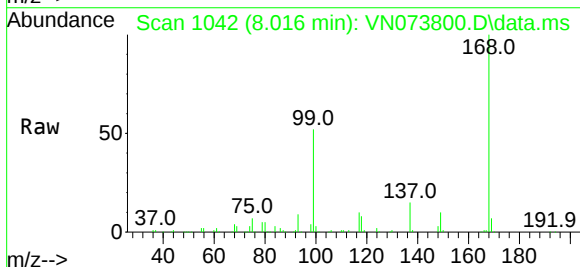
RT: 8.016 min Scan# 1042

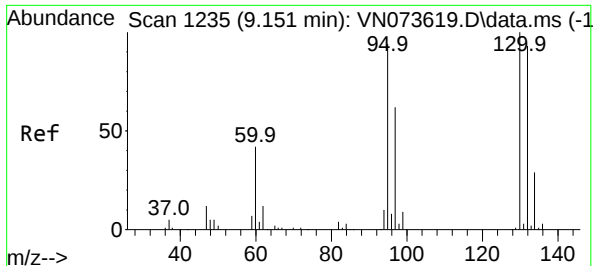
Delta R.T. -0.118 min

Lab File: VN073800.D

Acq: 10 Aug 2022 16:10

Tgt Ion: 117	Resp:	34726
Ion	Ratio	Lower Upper
117	100	
119	7.5	75.8 113.8#
121	0.0	24.6 37.0#

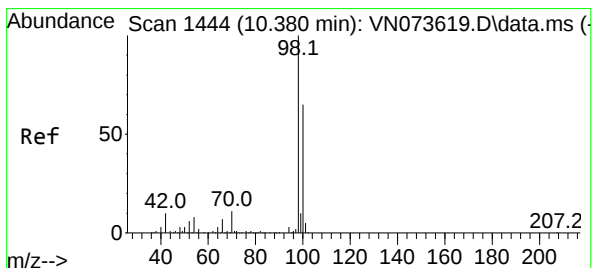
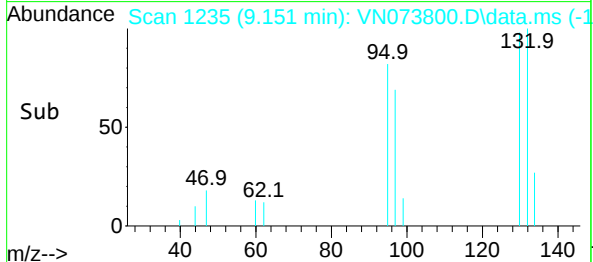
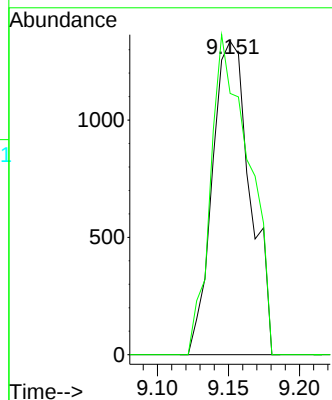
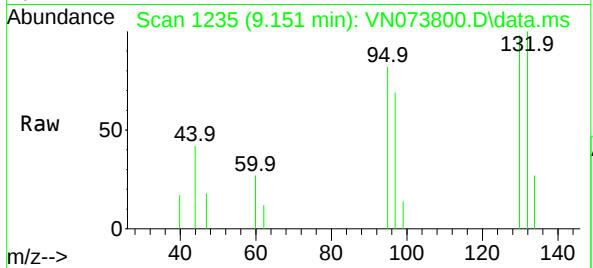




#44
Trichloroethene
Concen: 0.561 ug/l
RT: 9.151 min Scan# 11
Delta R.T. 0.000 min
Lab File: VN073800.D
Acq: 10 Aug 2022 16:10

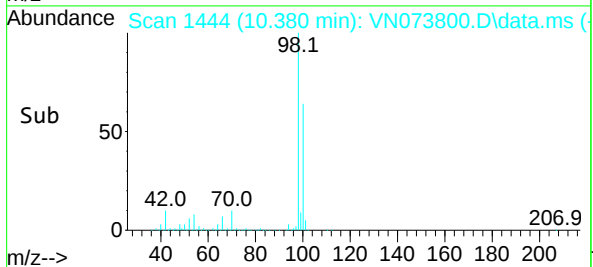
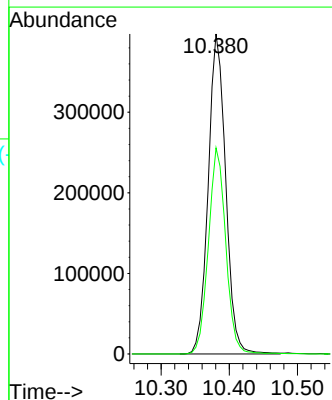
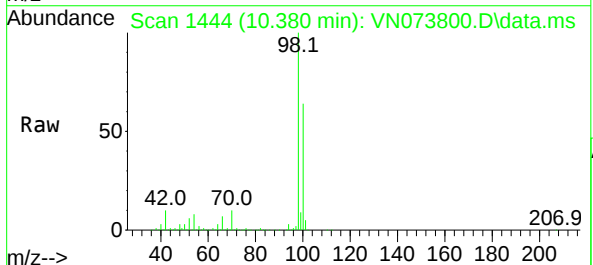
Instrument :
MSVOA_N
ClientSampleId :
BP-MW158S1-GW-225-227

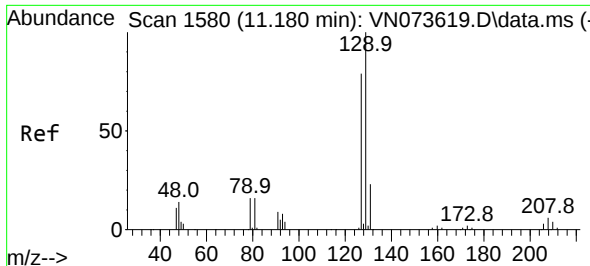
Tgt Ion:130 Resp: 2470
Ion Ratio Lower Upper
130 100
95 83.4 0.0 186.8



#50
Toluene-d8
Concen: 48.033 ug/l
RT: 10.380 min Scan# 1444
Delta R.T. 0.000 min
Lab File: VN073800.D
Acq: 10 Aug 2022 16:10

Tgt Ion: 98 Resp: 708693
Ion Ratio Lower Upper
98 100
100 63.8 52.6 78.8

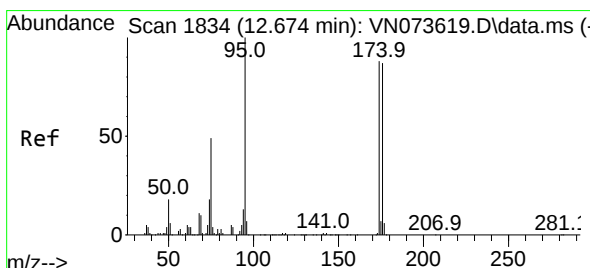
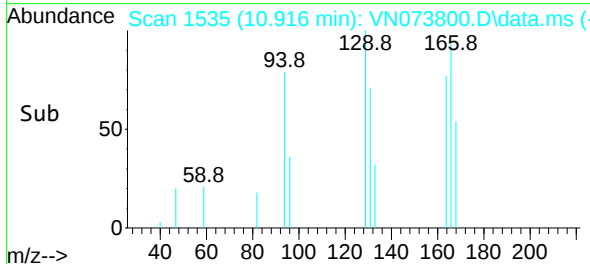
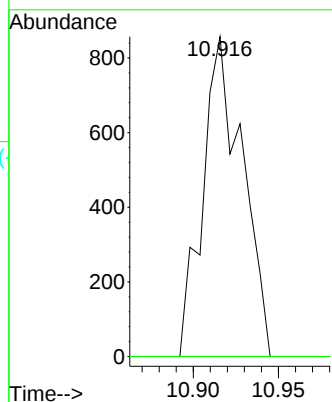
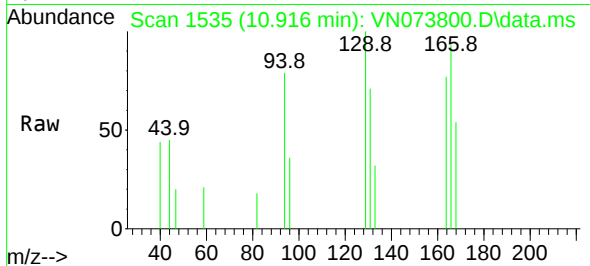




#60
Dibromochloromethane
Concen: 0.315 ug/l
RT: 10.916 min Scan# 11
Delta R.T. -0.265 min
Lab File: VN073800.D
Acq: 10 Aug 2022 16:10

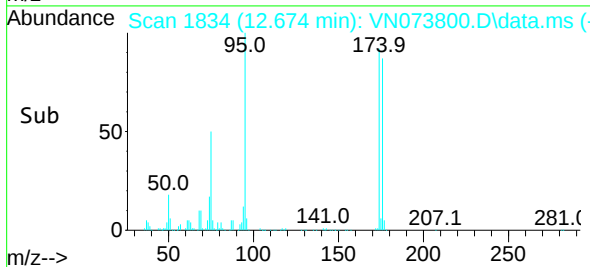
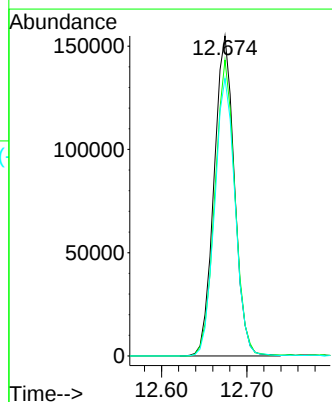
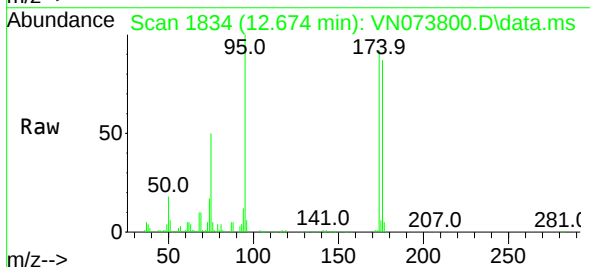
Instrument :
MSVOA_N
ClientSampleId :
BP-MW158S1-GW-225-227

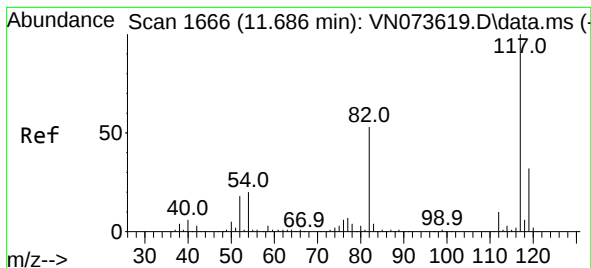
Tgt Ion:129 Resp: 1385
Ion Ratio Lower Upper
129 100
127 0.0 38.8 116.4#



#62
4-Bromofluorobenzene
Concen: 49.662 ug/l
RT: 12.674 min Scan# 1834
Delta R.T. 0.000 min
Lab File: VN073800.D
Acq: 10 Aug 2022 16:10

Tgt Ion: 95 Resp: 257124
Ion Ratio Lower Upper
95 100
174 91.2 0.0 167.6
176 87.0 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: VN073800.D

Acq: 10 Aug 2022 16:10

Instrument :

MSVOA_N

ClientSampleId :

BP-MW158S1-GW-225-227

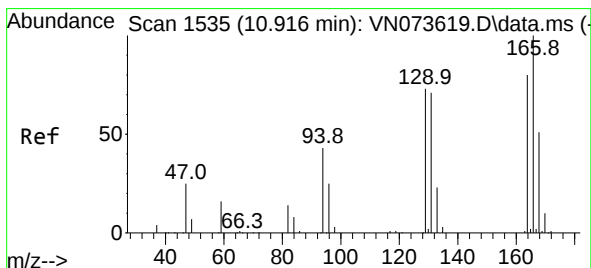
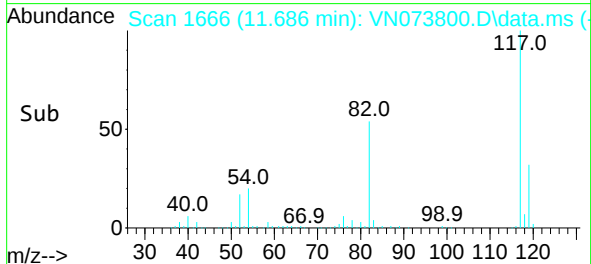
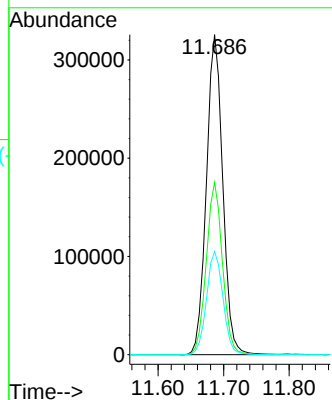
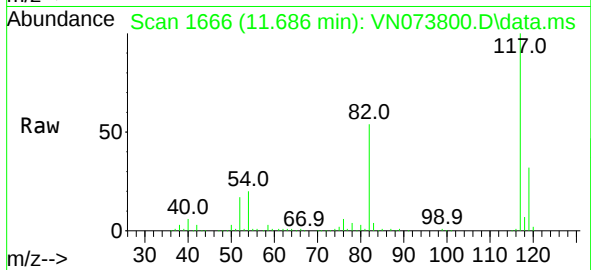
Tgt Ion:117 Resp: 565431

Ion Ratio Lower Upper

117 100

82 53.8 44.2 66.2

119 32.2 25.4 38.0



#64

Tetrachloroethene

Concen: 0.322 ug/l

RT: 10.910 min Scan# 1534

Delta R.T. -0.006 min

Lab File: VN073800.D

Acq: 10 Aug 2022 16:10

Tgt Ion:164 Resp: 1448

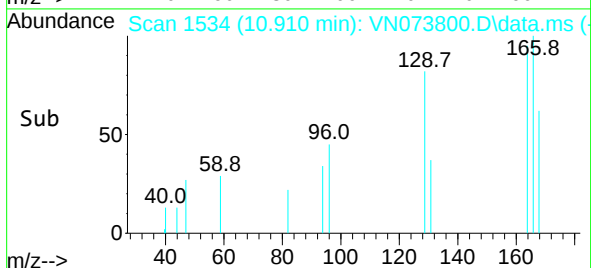
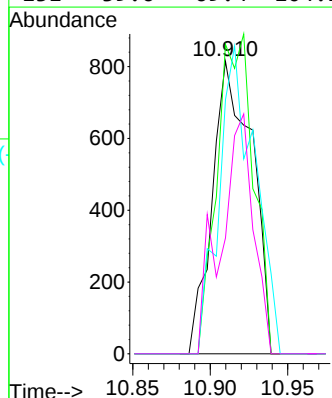
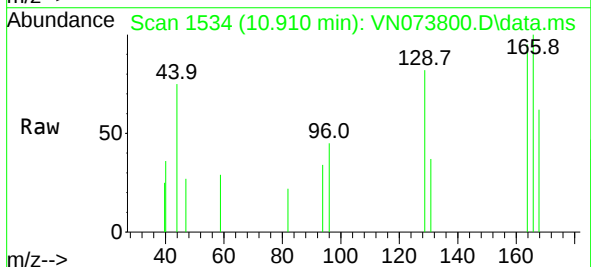
Ion Ratio Lower Upper

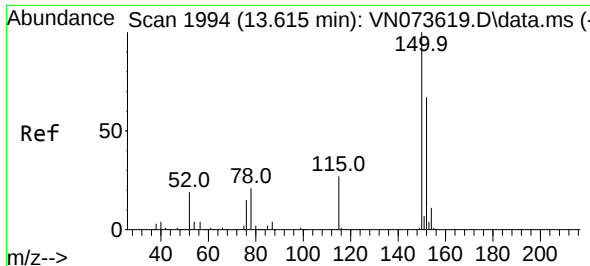
164 100

166 105.8 104.2 156.2

129 86.9 73.9 110.9

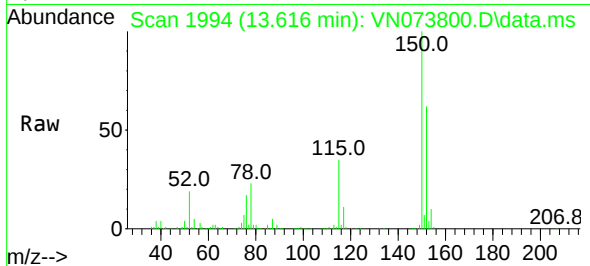
131 39.6 69.4 104.2#



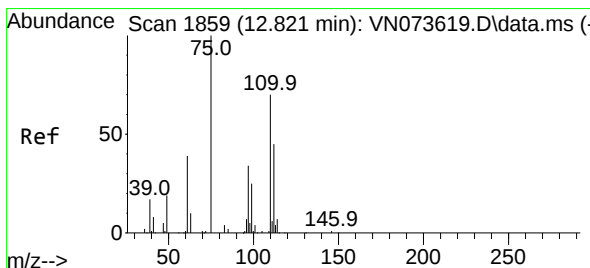
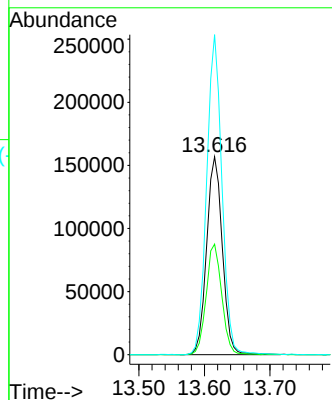
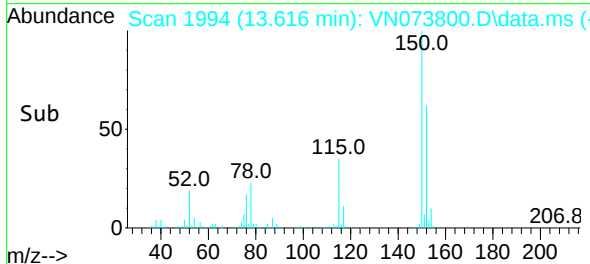


#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.616 min Scan# 1994
 Delta R.T. 0.000 min
 Lab File: VN073800.D
 Acq: 10 Aug 2022 16:10

Instrument :
 MSVOA_N
 ClientSampleId :
 BP-MW158S1-GW-225-227

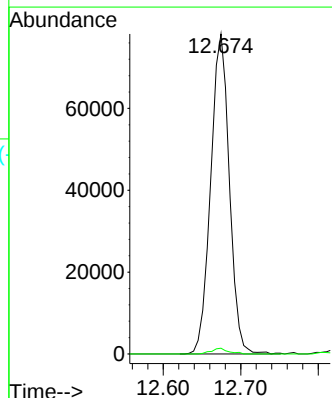
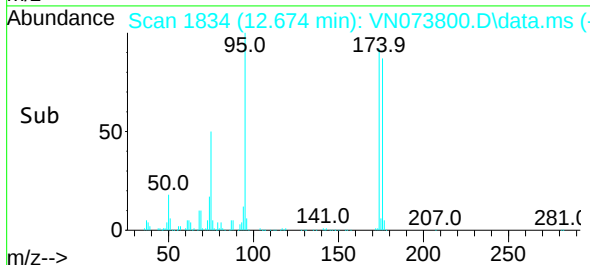
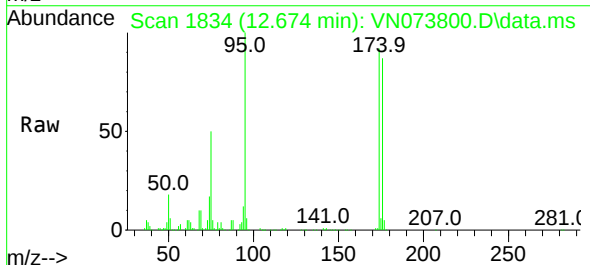


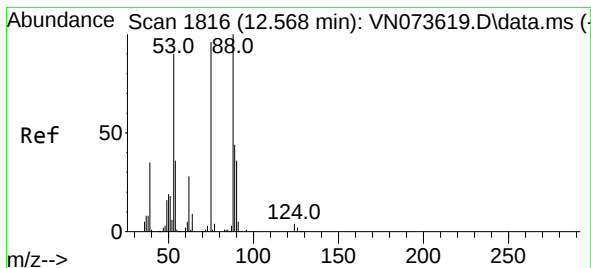
Tgt Ion:152 Resp: 262147
 Ion Ratio Lower Upper
 152 100
 115 55.3 28.9 86.7
 150 156.8 0.0 356.2



#76
 1,2,3-Trichloropropane
 Concen: 25.653 ug/l
 RT: 12.674 min Scan# 1834
 Delta R.T. -0.147 min
 Lab File: VN073800.D
 Acq: 10 Aug 2022 16:10

Tgt Ion: 75 Resp: 130734
 Ion Ratio Lower Upper
 75 100
 77 1.6 98.5 295.5#

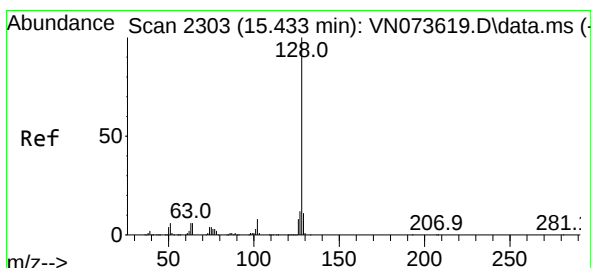
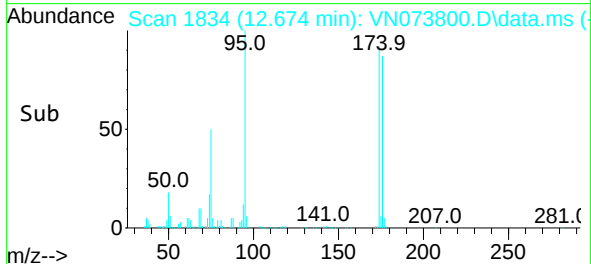
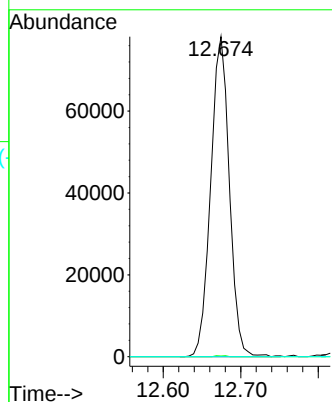
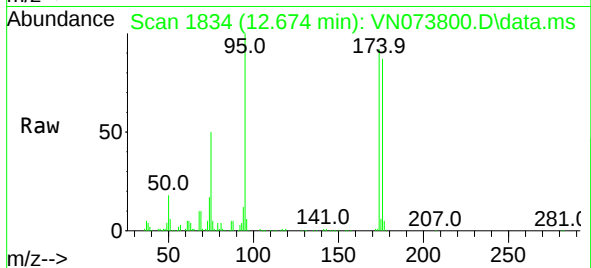




#81
trans-1,4-Dichloro-2-butene
Concen: 64.629 ug/l
RT: 12.674 min Scan# 1816
Delta R.T. 0.106 min
Lab File: VN073800.D
Acq: 10 Aug 2022 16:10

Instrument :
MSVOA_N
ClientSampleId :
BP-MW158S1-GW-225-227

Tgt Ion: 75 Resp: 130734
Ion Ratio Lower Upper
75 100
53 0.2 78.0 117.0#
89 0.0 37.2 55.8#



#95
Naphthalene
Concen: 0.204 ug/l
RT: 15.433 min Scan# 2303
Delta R.T. 0.000 min
Lab File: VN073800.D
Acq: 10 Aug 2022 16:10

Tgt Ion:128 Resp: 3033
Ion Ratio Lower Upper
128 100
127 12.5 10.3 15.5
129 9.4 8.6 13.0

