

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN072522\
 Data File : VN073579.D
 Acq On : 25 Jul 2022 15:08
 Operator : JC\MD
 Sample : N3771-04
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 MW-10F

Quant Time: Jul 26 02:17:17 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N062822W.M
 Quant Title : SW846 8260
 QLast Update : Wed Jun 29 01:54:03 2022
 Response via : Initial Calibration

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

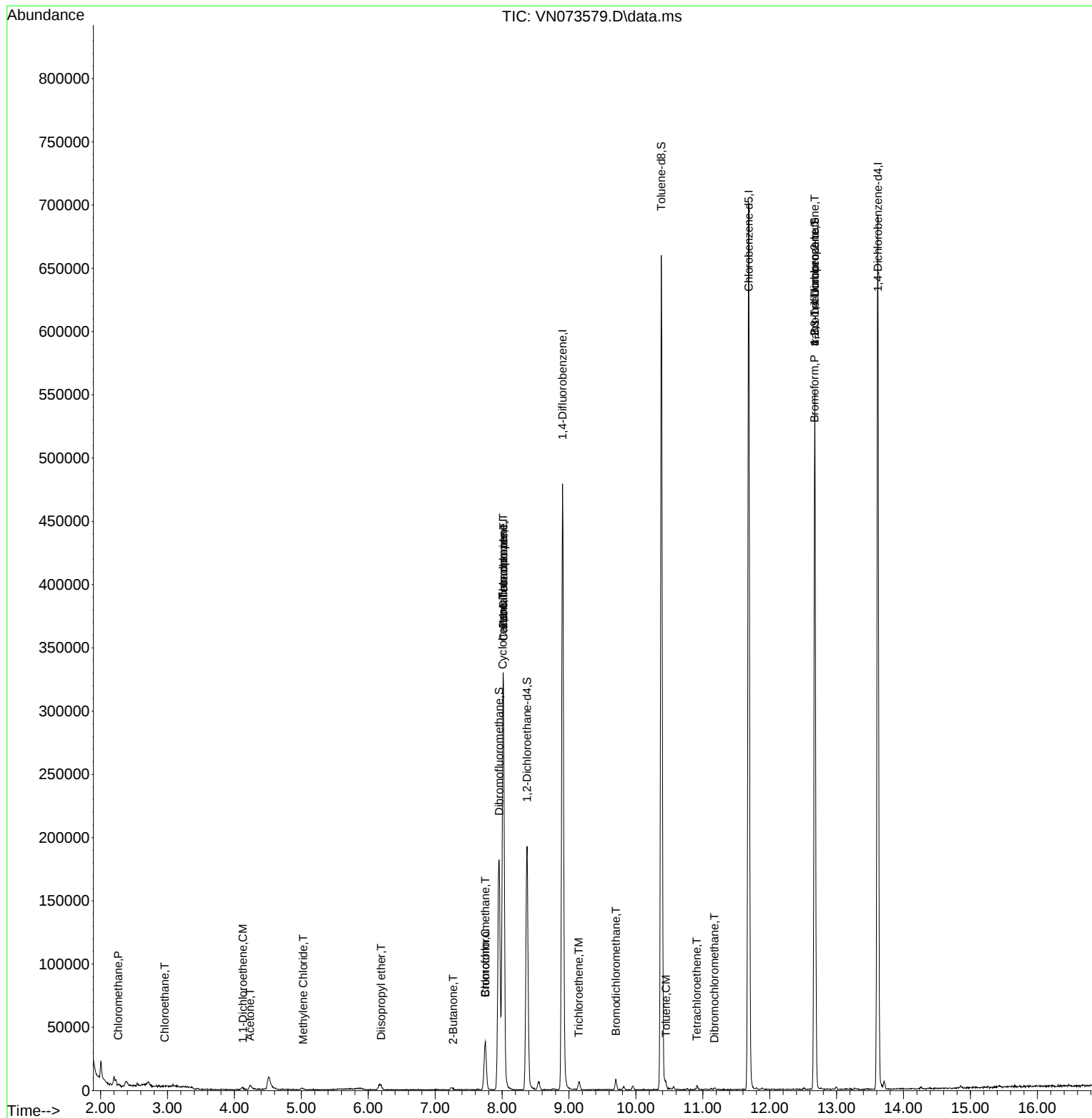
Internal Standards						
1) Pentafluorobenzene	8.016	168	250972	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.904	114	410364	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.686	117	381008	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.615	152	183067	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.375	65	158848	43.844	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	=	87.680%
35) Dibromofluoromethane	7.957	113	136924	50.151	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	100.300%
50) Toluene-d8	10.380	98	438615	45.233	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	=	90.460%
62) 4-Bromofluorobenzene	12.674	95	180029	48.311	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	=	96.620%
Target Compounds						
					Qvalue	
3) Chloromethane	2.263	50	792	0.222	ug/l #	57
6) Chloroethane	2.957	64	435	0.244	ug/l #	42
12) 1,1-Dichloroethene	4.128	96	945	0.320	ug/l #	25
16) Acetone	4.234	43	5861	2.882	ug/l	97
20) Methylene Chloride	5.028	84	1212	0.339	ug/l #	46
22) Diisopropyl ether	6.192	45	3587	0.309	ug/l #	23
25) 2-Butanone	7.269	43	916	0.283	ug/l #	45
28) Bromochloromethane	7.751	49	2928	1.163	ug/l #	8
30) Chloroform	7.751	83	37640	6.218	ug/l	96
31) Cyclohexane	8.010	56	5538	0.933	ug/l #	16
36) 1,1-Dichloropropene	8.016	75	20081	4.780	ug/l #	49
38) Carbon Tetrachloride	8.022	117	25131	5.785	ug/l #	19
44) Trichloroethene	9.145	130	2638	0.800	ug/l	80
47) Bromodichloromethane	9.704	83	5691	1.310	ug/l	92
52) Toluene	10.451	92	1693	0.211	ug/l	79
60) Dibromochloromethane	11.174	129	893	0.284	ug/l	98
64) Tetrachloroethene	10.910	164	773	0.248	ug/l #	48
71) Bromoform	12.668	173	1558	0.672	ug/l #	28
76) 1,2,3-Trichloropropane	12.674	75	95666	19.985	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.674	75	95666	54.809	ug/l #	10

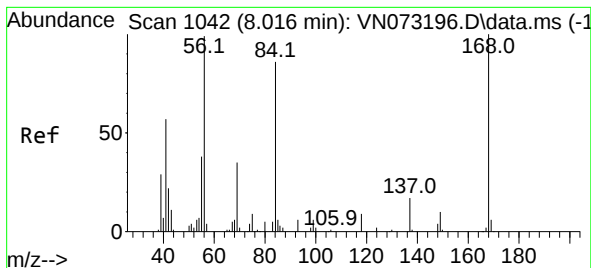
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN072522\
Data File : VN073579.D
Acq On : 25 Jul 2022 15:08
Operator : JC\MD
Sample : N3771-04
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 10 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
MW-10F

Quant Time: Jul 26 02:17:17 2022
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N062822W.M
Quant Title : SW846 8260
QLast Update : Wed Jun 29 01:54:03 2022
Response via : Initial Calibration

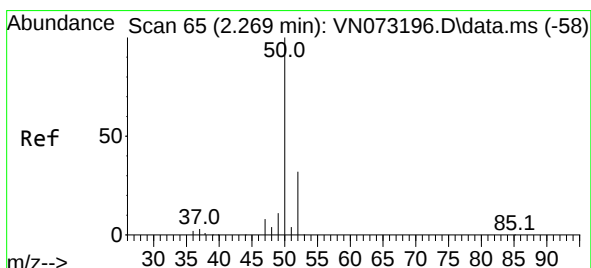
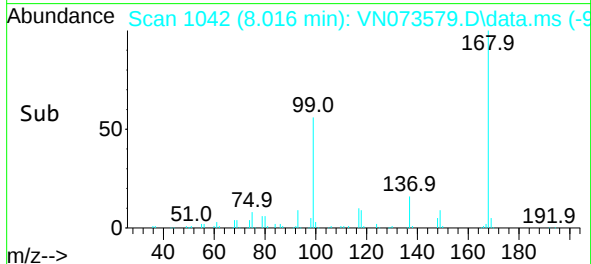
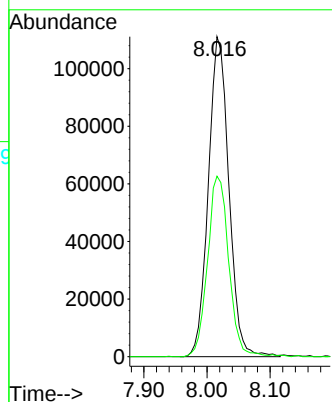
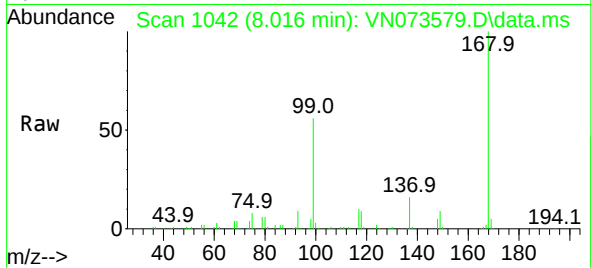




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.016 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN073579.D
Acq: 25 Jul 2022 15:08

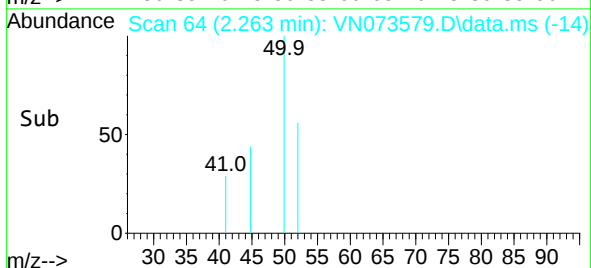
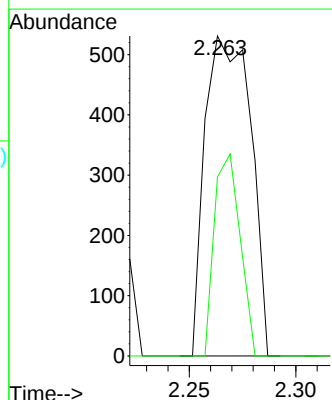
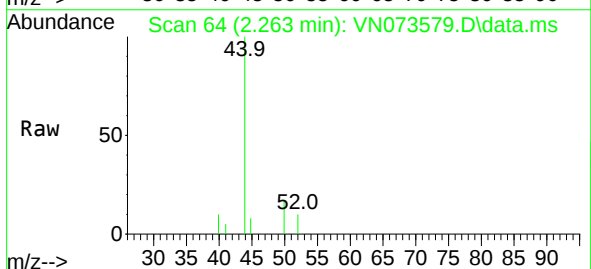
Instrument :
MSVOA_N
ClientSampleId :
MW-10F

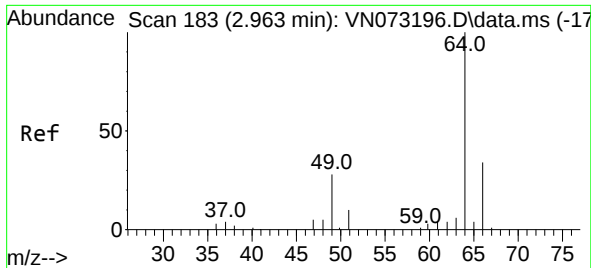
Tgt Ion:168 Resp: 250972
Ion Ratio Lower Upper
168 100
99 56.4 42.3 63.5



#3
Chloromethane
Concen: 0.222 ug/l
RT: 2.263 min Scan# 64
Delta R.T. -0.006 min
Lab File: VN073579.D
Acq: 25 Jul 2022 15:08

Tgt Ion: 50 Resp: 792
Ion Ratio Lower Upper
50 100
52 55.9 25.7 38.5#

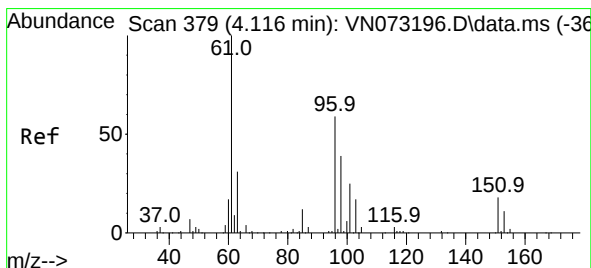
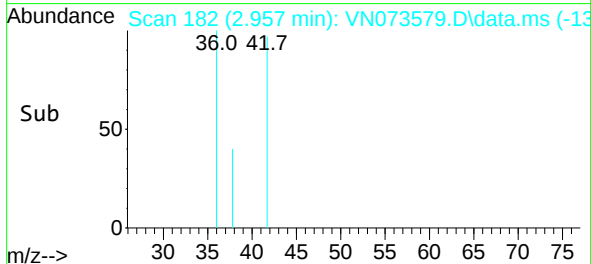
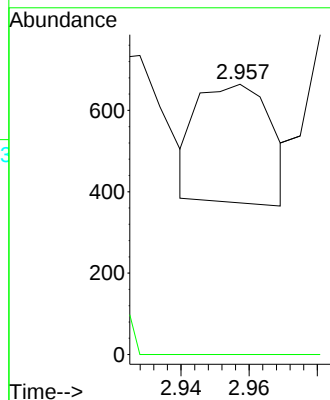
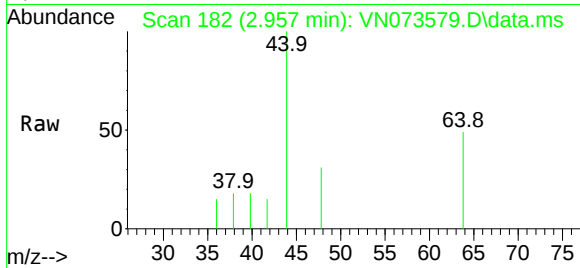




#6
Chloroethane
Concen: 0.244 ug/l
RT: 2.957 min Scan# 11
Delta R.T. -0.006 min
Lab File: VN073579.D
Acq: 25 Jul 2022 15:08

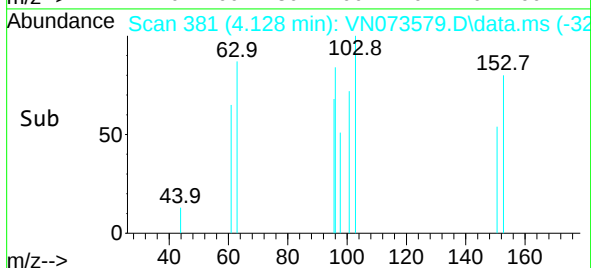
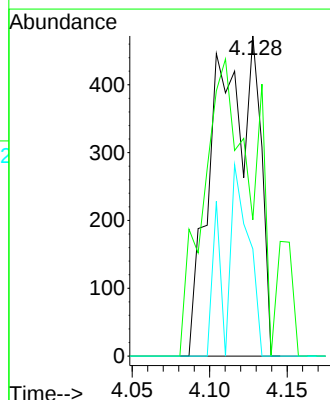
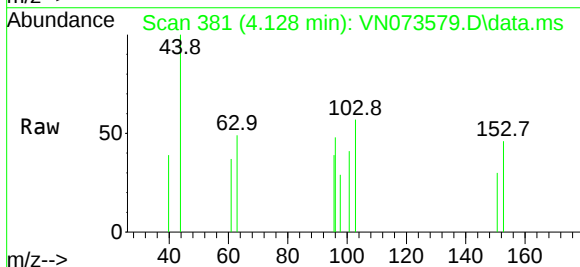
Instrument :
MSVOA_N
ClientSampleId :
MW-10F

Tgt Ion: 64 Resp: 435
Ion Ratio Lower Upper
64 100
66 0.0 26.2 39.4#



#12
1,1-Dichloroethene
Concen: 0.320 ug/l
RT: 4.128 min Scan# 381
Delta R.T. 0.012 min
Lab File: VN073579.D
Acq: 25 Jul 2022 15:08

Tgt Ion: 96 Resp: 945
Ion Ratio Lower Upper
96 100
61 42.6 127.6 191.4#
98 33.5 51.2 76.8#





#16

Acetone

Concen: 2.882 ug/l

RT: 4.234 min Scan# 397

Delta R.T. 0.012 min

Lab File: VN073579.D

Acq: 25 Jul 2022 15:08

Instrument :

MSVOA_N

ClientSampleId :

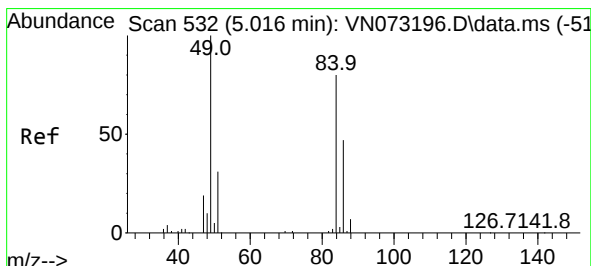
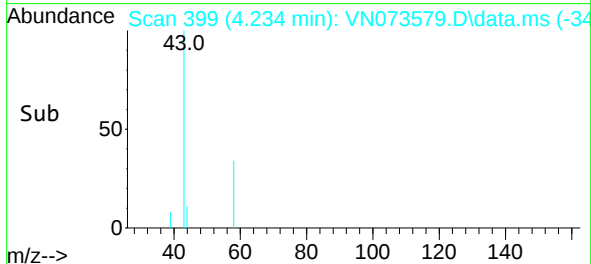
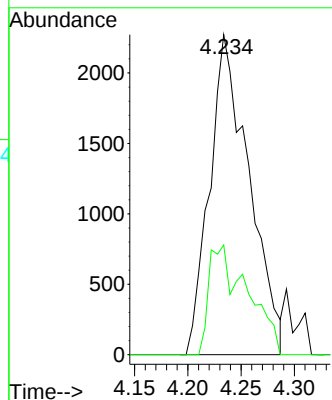
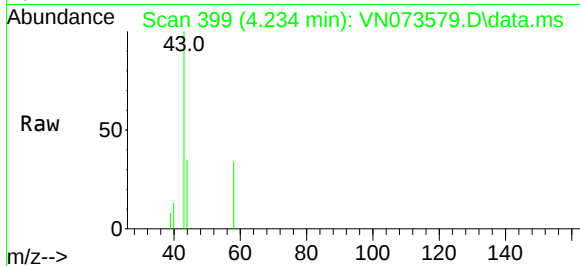
MW-10F

Tgt Ion: 43 Resp: 5861

Ion Ratio Lower Upper

43 100

58 34.3 26.0 39.0



#20

Methylene Chloride

Concen: 0.339 ug/l

RT: 5.028 min Scan# 534

Delta R.T. 0.012 min

Lab File: VN073579.D

Acq: 25 Jul 2022 15:08

Tgt Ion: 84 Resp: 1212

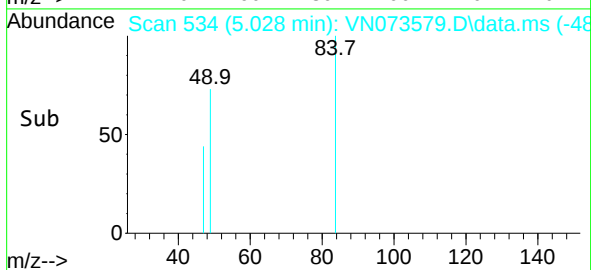
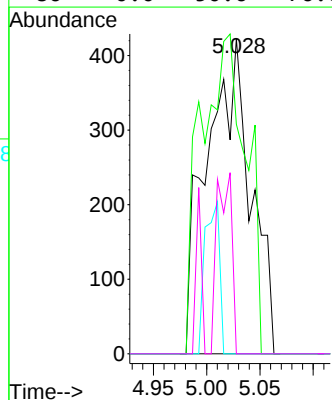
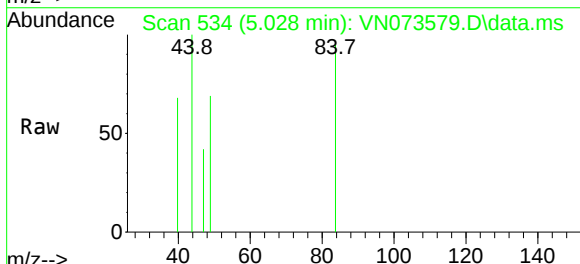
Ion Ratio Lower Upper

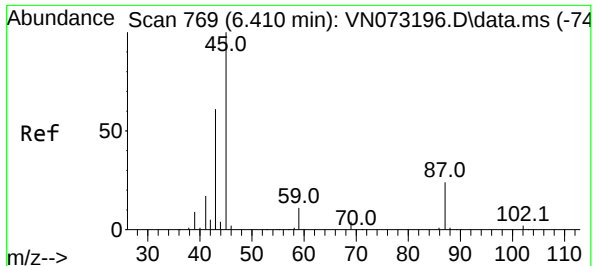
84 100

49 72.8 88.3 132.5#

51 0.0 28.2 42.2#

86 0.0 50.6 76.0#

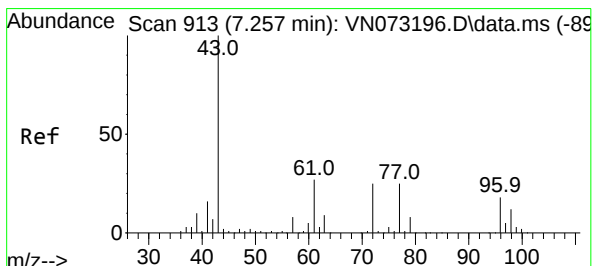
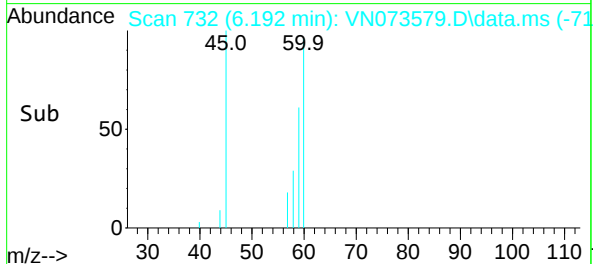
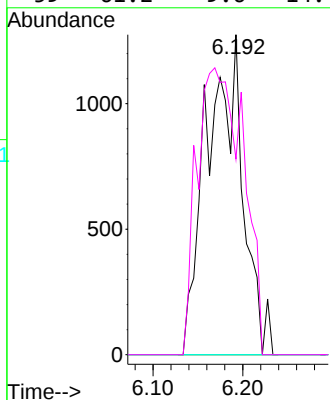
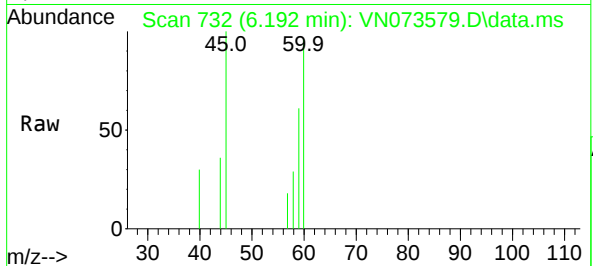




#22
Diisopropyl ether
Concen: 0.309 ug/l
RT: 6.192 min Scan# 71
Delta R.T. -0.218 min
Lab File: VN073579.D
Acq: 25 Jul 2022 15:08

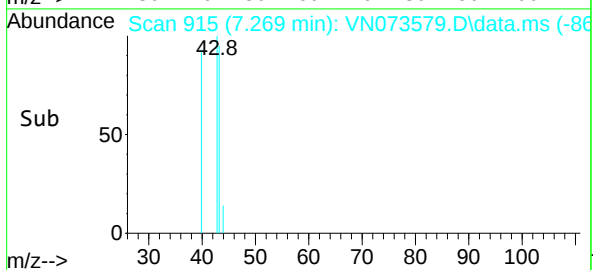
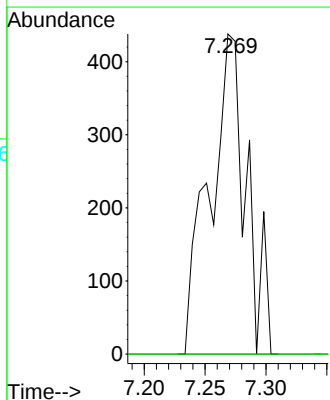
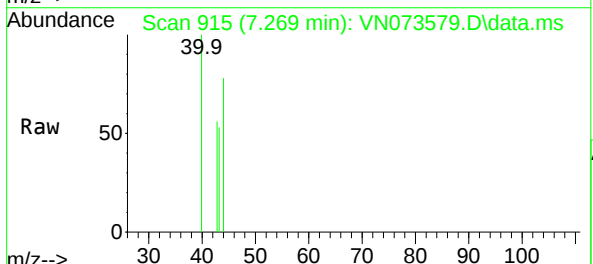
Instrument :
MSVOA_N
ClientSampleId :
MW-10F

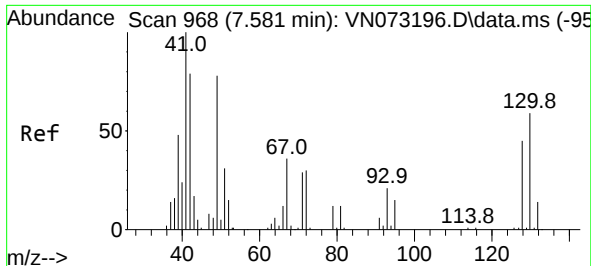
Tgt Ion: 45 Resp: 3587
Ion Ratio Lower Upper
45 100
43 0.0 46.6 70.0#
87 0.0 24.3 36.5#
59 61.2 9.6 14.4#



#25
2-Butanone
Concen: 0.283 ug/l
RT: 7.269 min Scan# 915
Delta R.T. 0.012 min
Lab File: VN073579.D
Acq: 25 Jul 2022 15:08

Tgt Ion: 43 Resp: 916
Ion Ratio Lower Upper
43 100
72 0.0 23.7 35.5#





#28

Bromochloromethane

Concen: 1.163 ug/l

RT: 7.751 min Scan# 997

Delta R.T. 0.170 min

Lab File: VN073579.D

Acq: 25 Jul 2022 15:08

Instrument :

MSVOA_N

ClientSampleId :

MW-10F

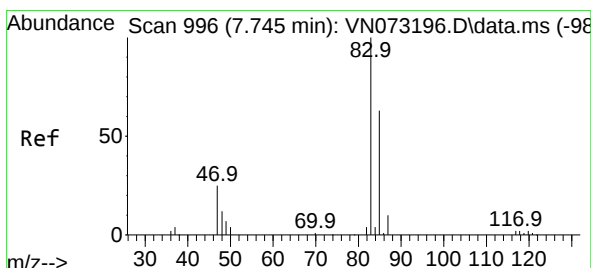
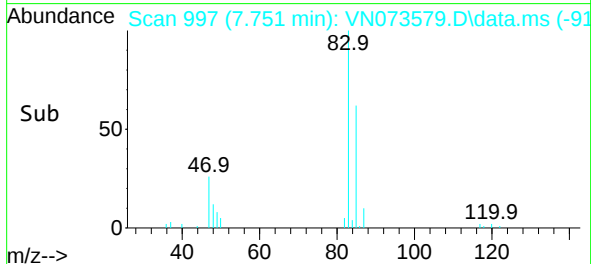
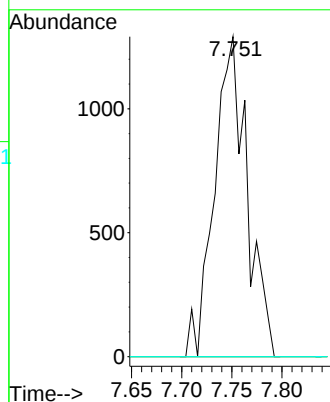
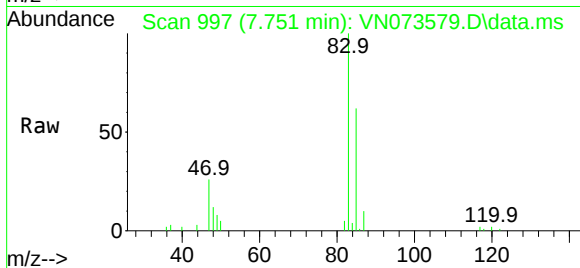
Tgt Ion: 49 Resp: 2928

Ion Ratio Lower Upper

49 100

129 0.0 0.0 4.6

130 0.0 69.7 104.5#



#30

Chloroform

Concen: 6.218 ug/l

RT: 7.751 min Scan# 997

Delta R.T. 0.006 min

Lab File: VN073579.D

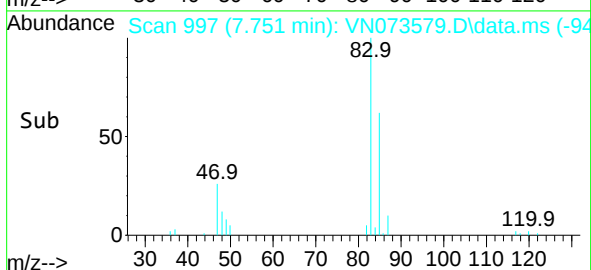
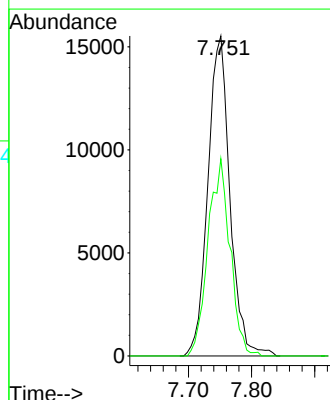
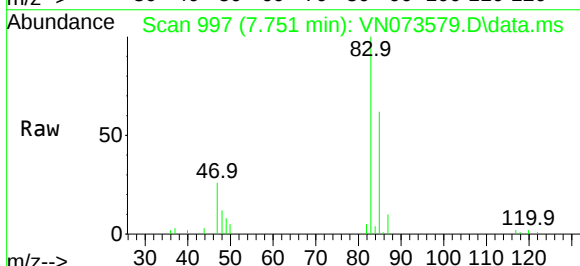
Acq: 25 Jul 2022 15:08

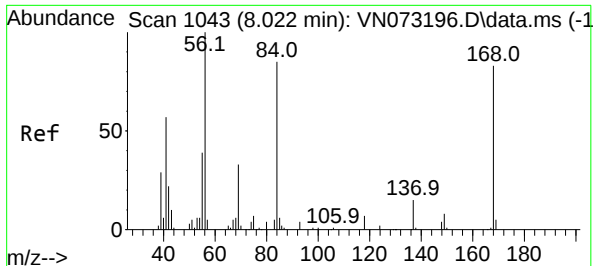
Tgt Ion: 83 Resp: 37640

Ion Ratio Lower Upper

83 100

85 61.7 51.8 77.8





#31

Cyclohexane

Concen: 0.933 ug/l

RT: 8.010 min Scan# 1

Delta R.T. -0.012 min

Lab File: VN073579.D

Acq: 25 Jul 2022 15:08

Instrument :

MSVOA_N

ClientSampleId :

MW-10F

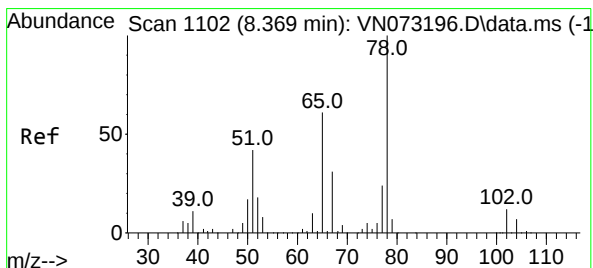
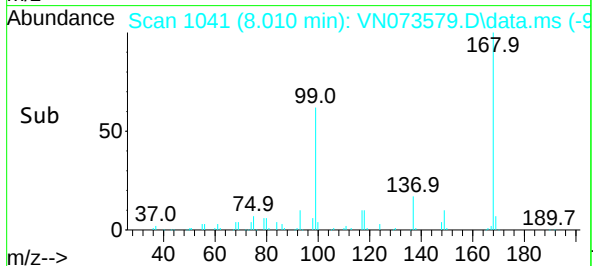
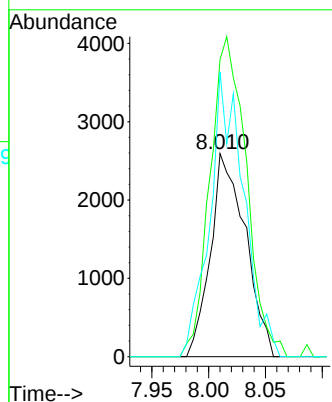
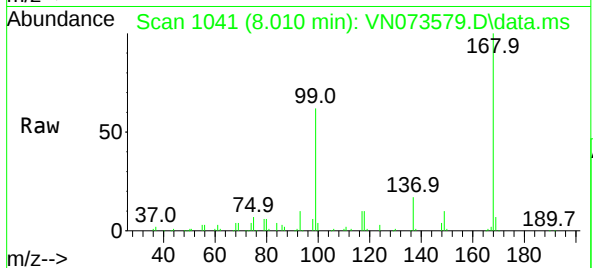
Tgt Ion: 56 Resp: 5538

Ion Ratio Lower Upper

56 100

69 146.4 27.8 41.8#

84 140.2 76.9 115.3#



#33

1,2-Dichloroethane-d4

Concen: 43.844 ug/l

RT: 8.375 min Scan# 1103

Delta R.T. 0.006 min

Lab File: VN073579.D

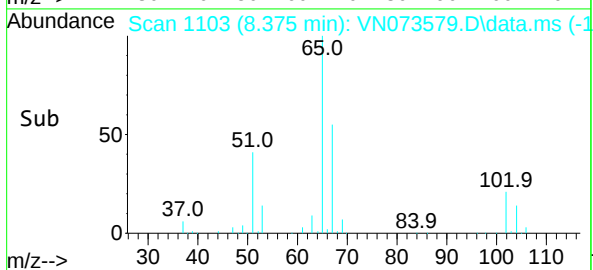
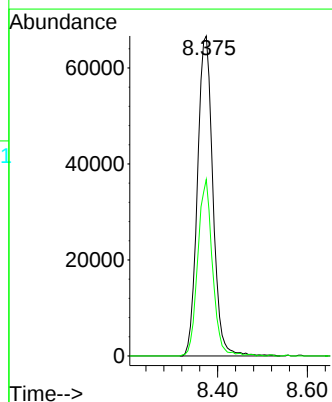
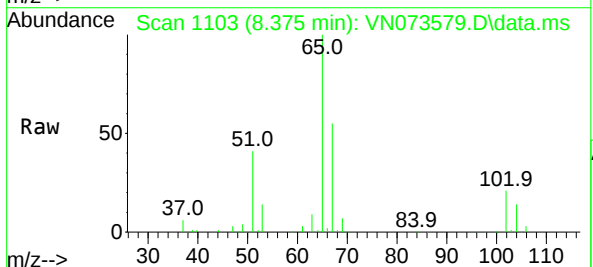
Acq: 25 Jul 2022 15:08

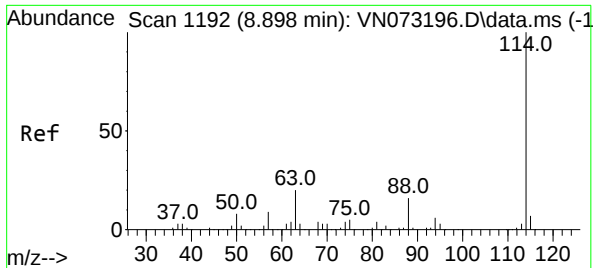
Tgt Ion: 65 Resp: 158848

Ion Ratio Lower Upper

65 100

67 52.5 0.0 104.8

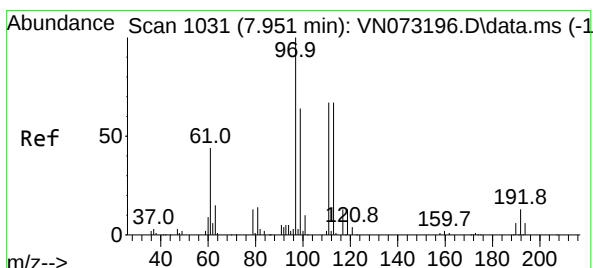
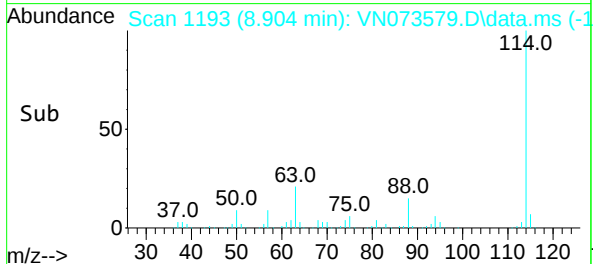
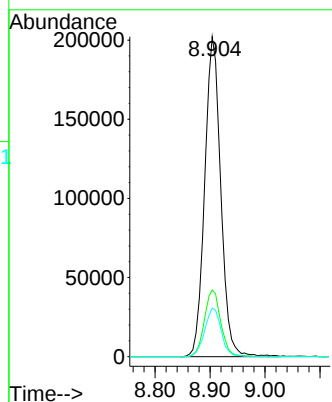
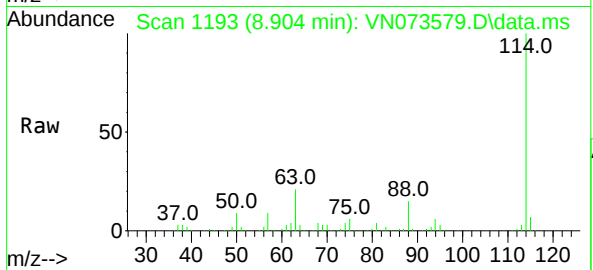




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.904 min Scan# 1193
Delta R.T. 0.006 min
Lab File: VN073579.D
Acq: 25 Jul 2022 15:08

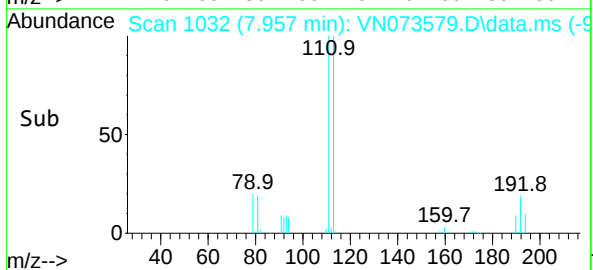
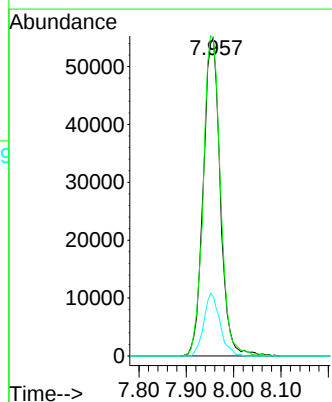
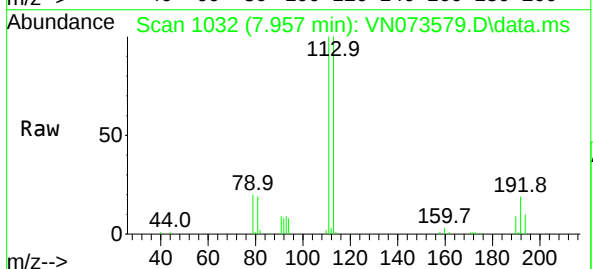
Instrument :
MSVOA_N
ClientSampleId :
MW-10F

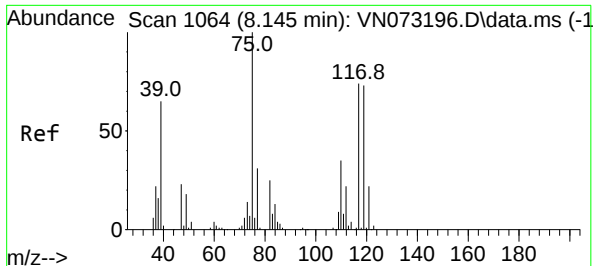
Tgt Ion:114 Resp: 410364
Ion Ratio Lower Upper
114 100
63 20.9 0.0 40.0
88 15.1 0.0 32.6



#35
Dibromofluoromethane
Concen: 50.151 ug/l
RT: 7.957 min Scan# 1032
Delta R.T. 0.006 min
Lab File: VN073579.D
Acq: 25 Jul 2022 15:08

Tgt Ion:113 Resp: 136924
Ion Ratio Lower Upper
113 100
111 102.0 81.4 122.0
192 18.8 17.0 25.6





#36

1,1-Dichloropropene

Concen: 4.780 ug/l

RT: 8.016 min Scan# 1042

Delta R.T. -0.129 min

Lab File: VN073579.D

Acq: 25 Jul 2022 15:08

Instrument :

MSVOA_N

ClientSampleId :

MW-10F

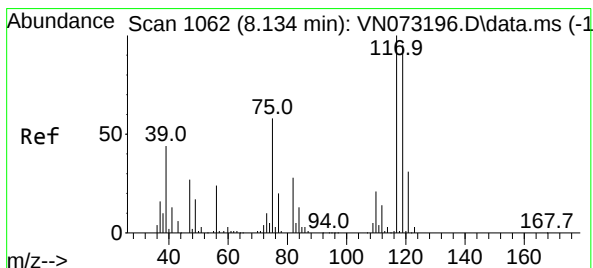
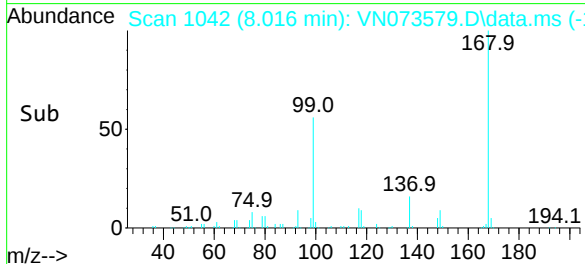
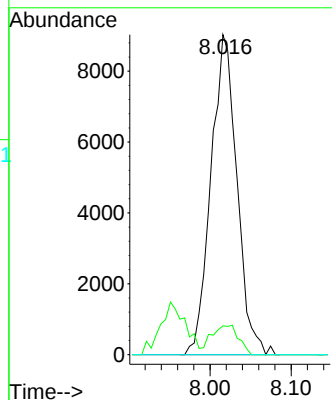
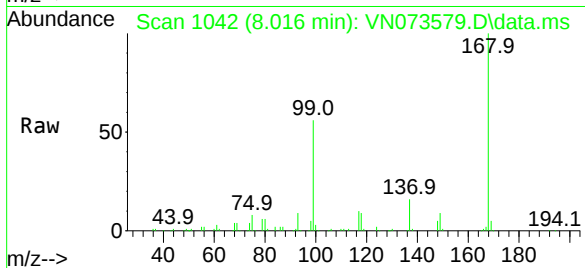
Tgt Ion: 75 Resp: 20081

Ion Ratio Lower Upper

75 100

110 9.6 18.3 54.8#

77 0.0 25.1 37.7#



#38

Carbon Tetrachloride

Concen: 5.785 ug/l

RT: 8.022 min Scan# 1043

Delta R.T. -0.112 min

Lab File: VN073579.D

Acq: 25 Jul 2022 15:08

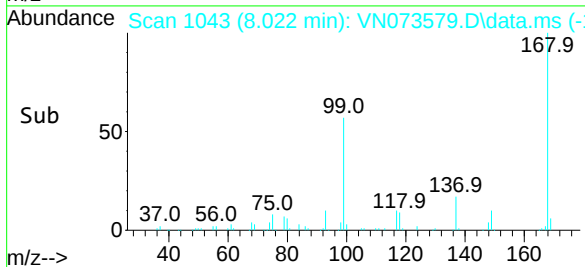
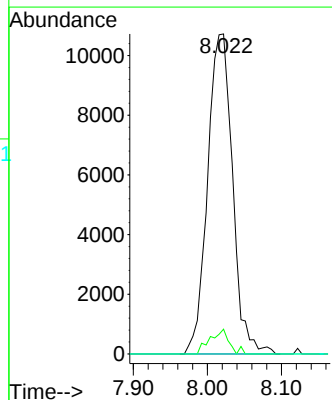
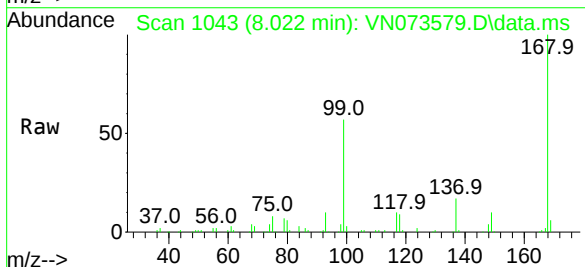
Tgt Ion: 117 Resp: 25131

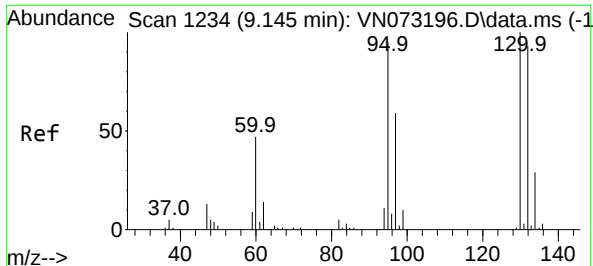
Ion Ratio Lower Upper

117 100

119 7.8 75.8 113.8#

121 0.0 24.6 37.0#

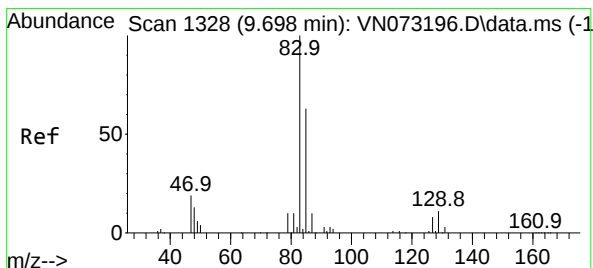
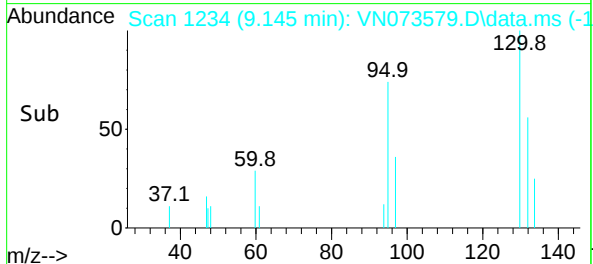
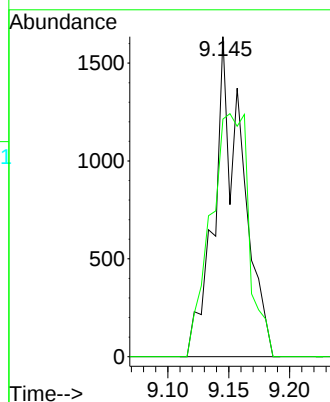
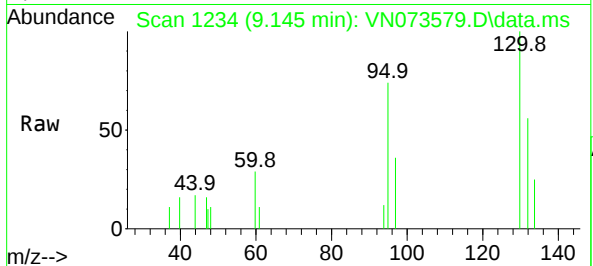




#44
Trichloroethene
Concen: 0.800 ug/l
RT: 9.145 min Scan# 11
Delta R.T. 0.000 min
Lab File: VN073579.D
Acq: 25 Jul 2022 15:08

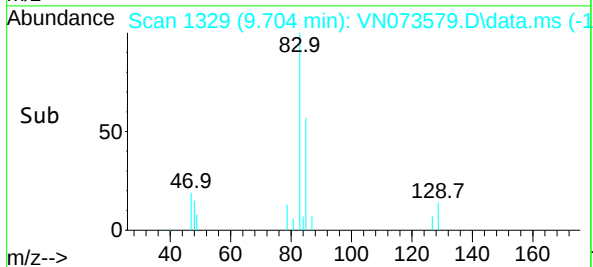
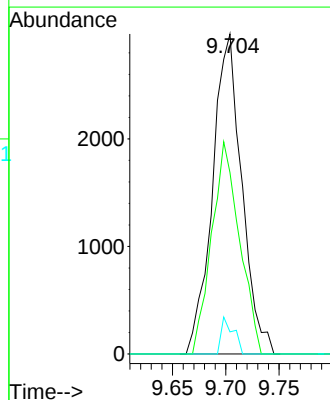
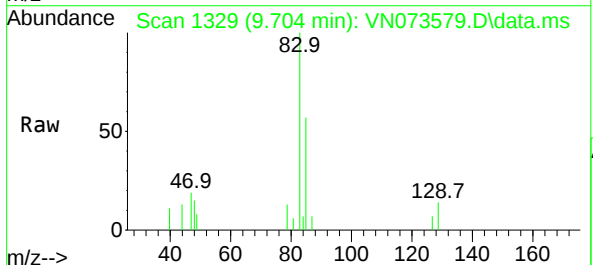
Instrument :
MSVOA_N
ClientSampleId :
MW-10F

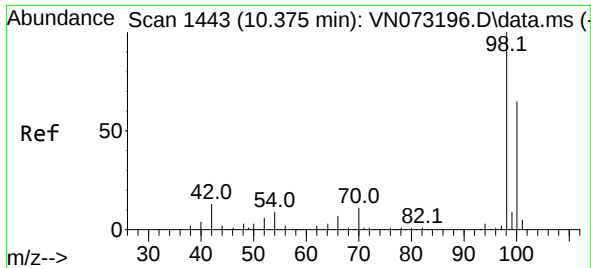
Tgt Ion:130 Resp: 2638
Ion Ratio Lower Upper
130 100
95 74.3 0.0 186.8



#47
Bromodichloromethane
Concen: 1.310 ug/l
RT: 9.704 min Scan# 1329
Delta R.T. 0.006 min
Lab File: VN073579.D
Acq: 25 Jul 2022 15:08

Tgt Ion: 83 Resp: 5691
Ion Ratio Lower Upper
83 100
85 56.7 50.5 75.7
127 6.9 6.8 10.2

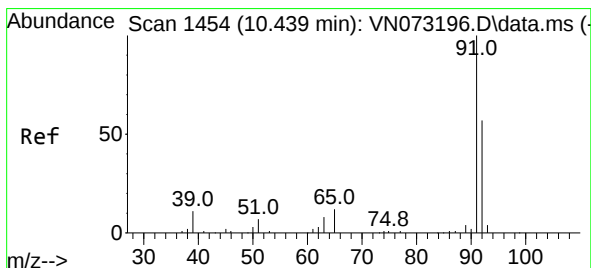
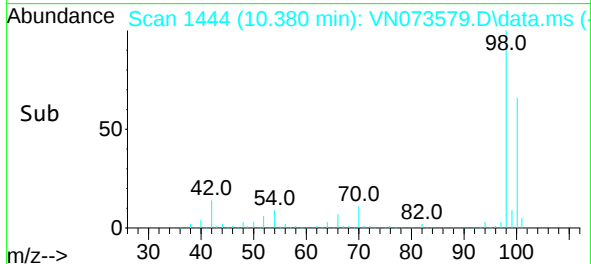
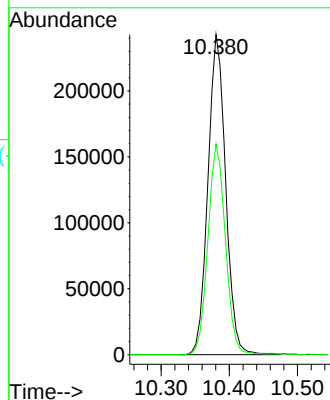
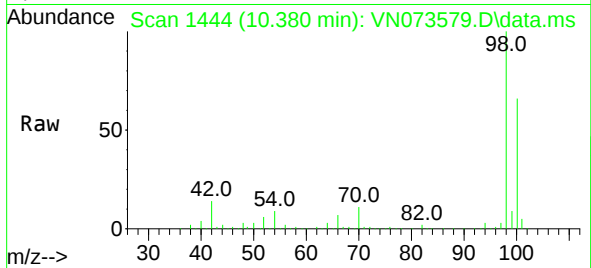




#50
Toluene-d8
Concen: 45.233 ug/l
RT: 10.380 min Scan# 1444
Delta R.T. 0.005 min
Lab File: VN073579.D
Acq: 25 Jul 2022 15:08

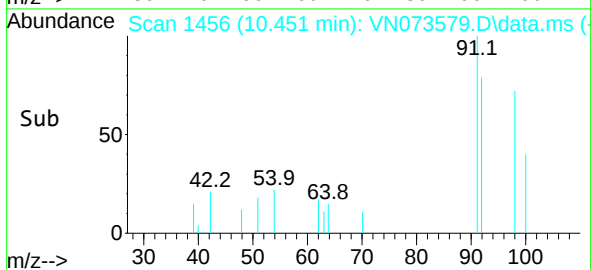
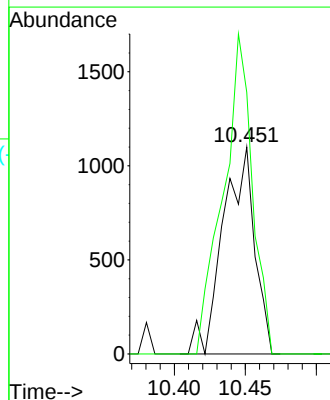
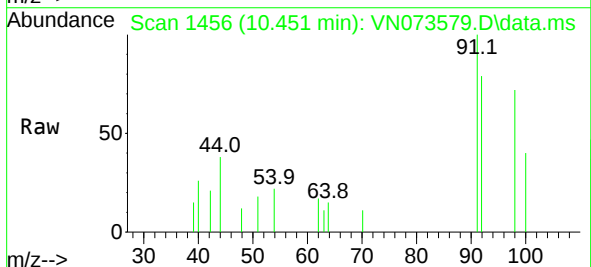
Instrument :
MSVOA_N
ClientSampleId :
MW-10F

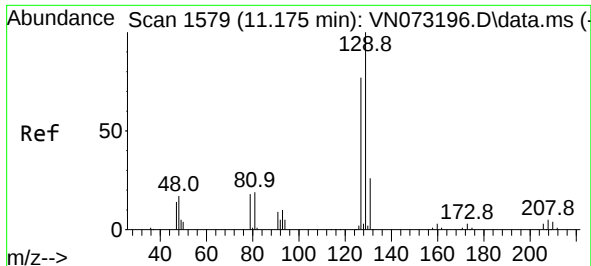
Tgt Ion: 98 Resp: 438615
Ion Ratio Lower Upper
98 100
100 65.4 52.6 78.8



#52
Toluene
Concen: 0.211 ug/l
RT: 10.451 min Scan# 1456
Delta R.T. 0.012 min
Lab File: VN073579.D
Acq: 25 Jul 2022 15:08

Tgt Ion: 92 Resp: 1693
Ion Ratio Lower Upper
92 100
91 143.9 138.6 207.8

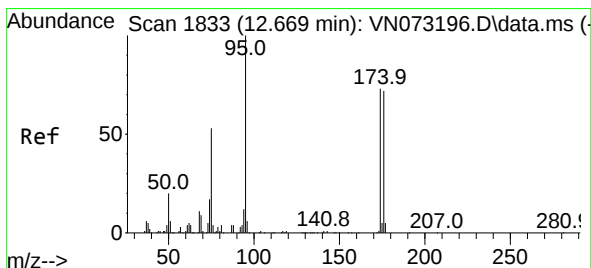
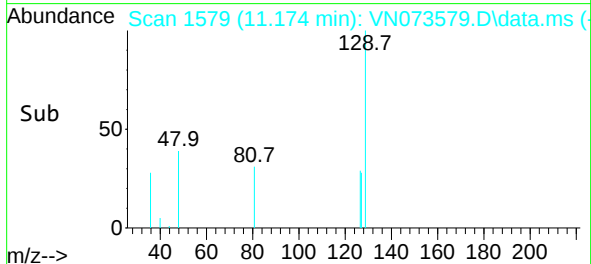
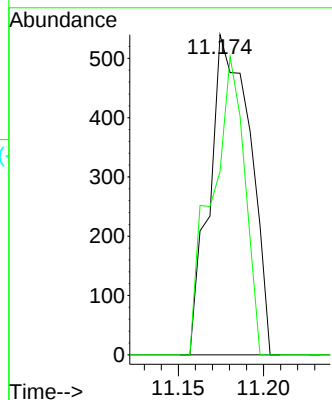
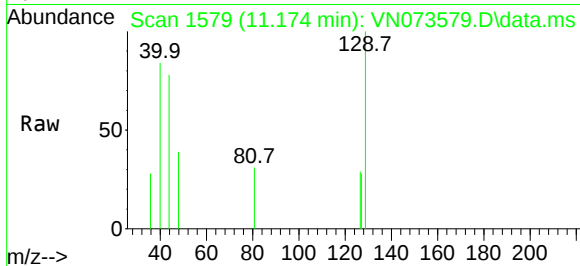




#60
Dibromochloromethane
Concen: 0.284 ug/l
RT: 11.174 min Scan# 1117
Delta R.T. -0.001 min
Lab File: VN073579.D
Acq: 25 Jul 2022 15:08

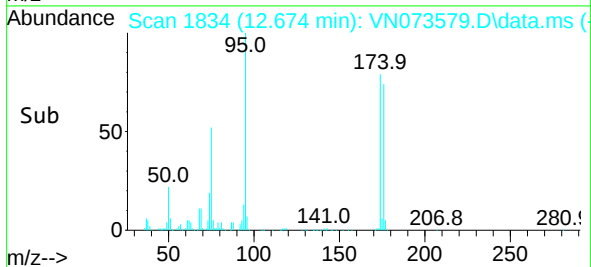
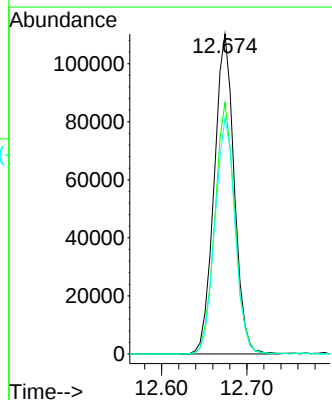
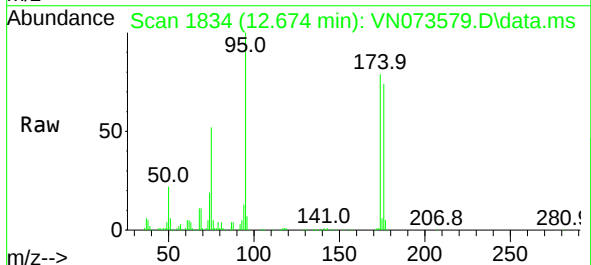
Instrument :
MSVOA_N
ClientSampleId :
MW-10F

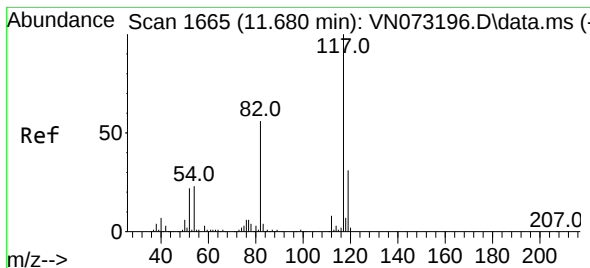
Tgt Ion:129 Resp: 893
Ion Ratio Lower Upper
129 100
127 75.6 38.8 116.4



#62
4-Bromofluorobenzene
Concen: 48.311 ug/l
RT: 12.674 min Scan# 1834
Delta R.T. 0.005 min
Lab File: VN073579.D
Acq: 25 Jul 2022 15:08

Tgt Ion: 95 Resp: 180029
Ion Ratio Lower Upper
95 100
174 78.4 0.0 167.6
176 74.1 0.0 163.4





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.686 min Scan# 1

Delta R.T. 0.006 min

Lab File: VN073579.D

Acq: 25 Jul 2022 15:08

Instrument :

MSVOA_N

ClientSampleId :

MW-10F

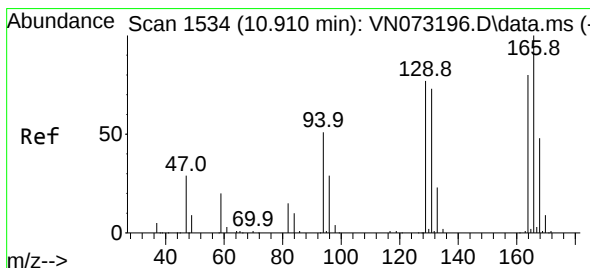
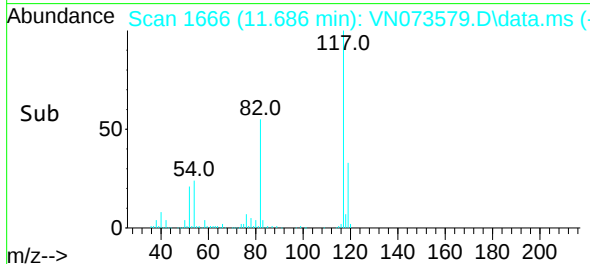
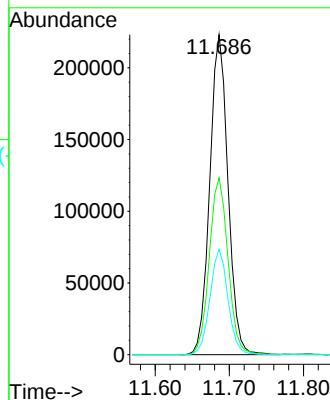
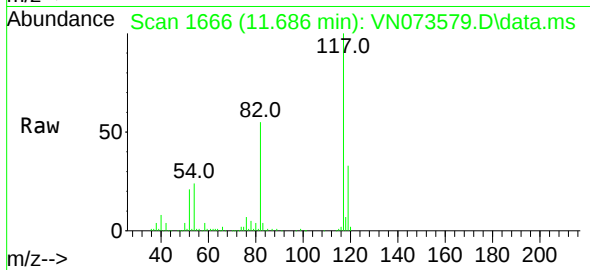
Tgt Ion:117 Resp: 381008

Ion Ratio Lower Upper

117 100

82 55.3 44.2 66.2

119 33.0 25.4 38.0



#64

Tetrachloroethene

Concen: 0.248 ug/l

RT: 10.910 min Scan# 1534

Delta R.T. -0.000 min

Lab File: VN073579.D

Acq: 25 Jul 2022 15:08

Tgt Ion:164 Resp: 773

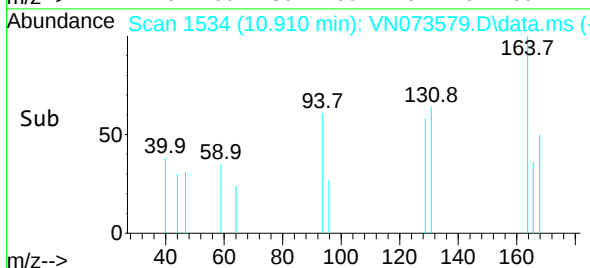
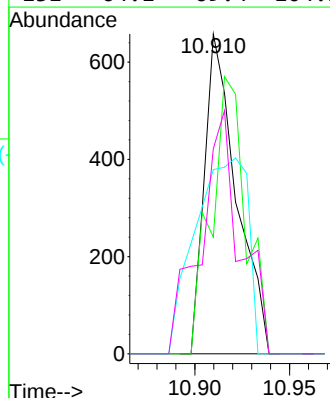
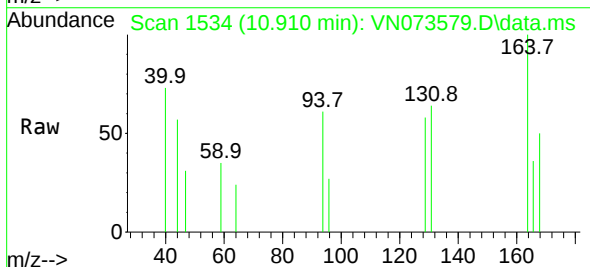
Ion Ratio Lower Upper

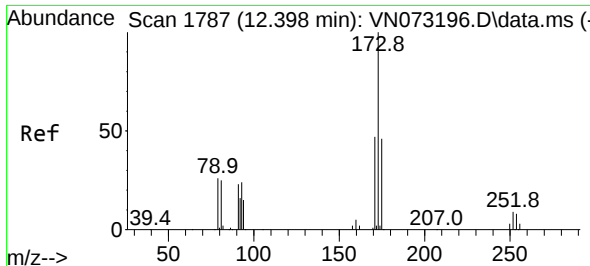
164 100

166 36.5 104.2 156.2#

129 57.6 73.9 110.9#

131 64.1 69.4 104.2#

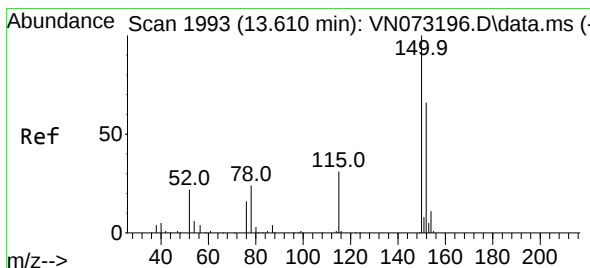
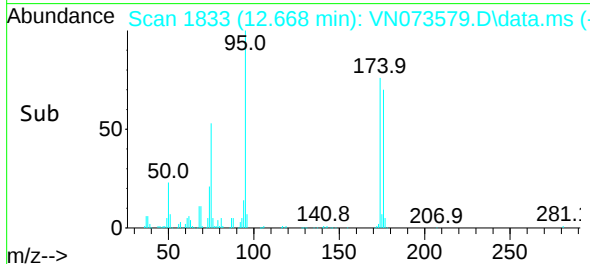
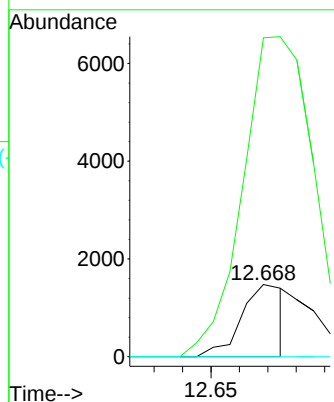
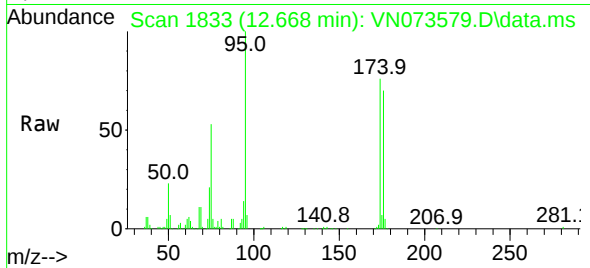




#71
Bromoform
Concen: 0.672 ug/l
RT: 12.668 min Scan# 11
Delta R.T. 0.270 min
Lab File: VN073579.D
Acq: 25 Jul 2022 15:08

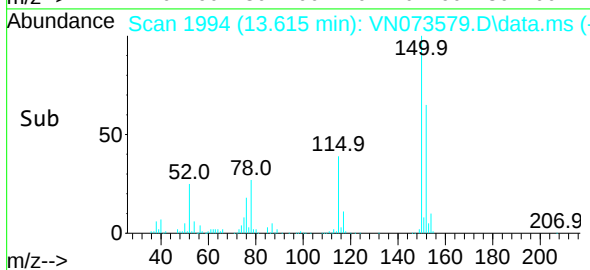
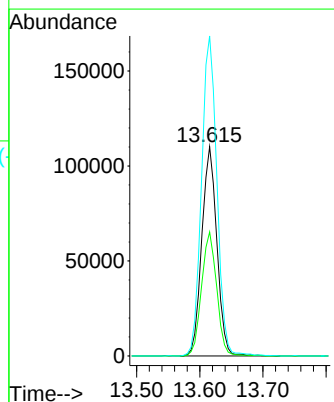
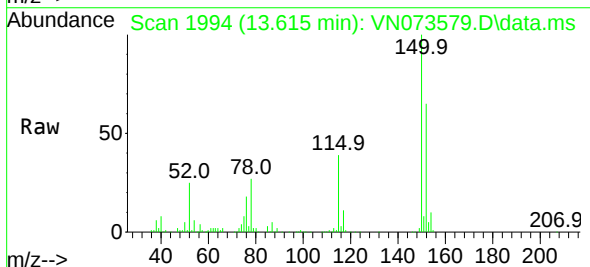
Instrument :
MSVOA_N
ClientSampleId :
MW-10F

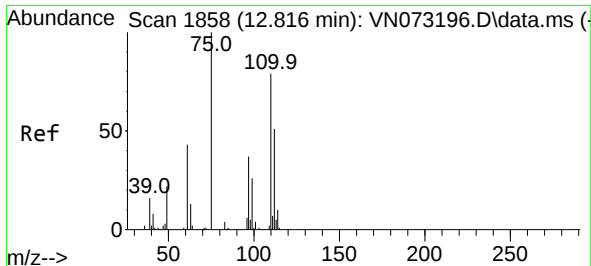
Tgt Ion:173 Resp: 1558
Ion Ratio Lower Upper
173 100
175 0.0 24.6 73.6#
254 0.0 0.1 0.1#



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.615 min Scan# 1994
Delta R.T. 0.005 min
Lab File: VN073579.D
Acq: 25 Jul 2022 15:08

Tgt Ion:152 Resp: 183067
Ion Ratio Lower Upper
152 100
115 59.2 28.9 86.7
150 155.8 0.0 356.2

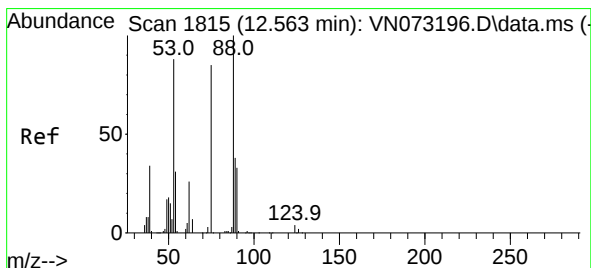
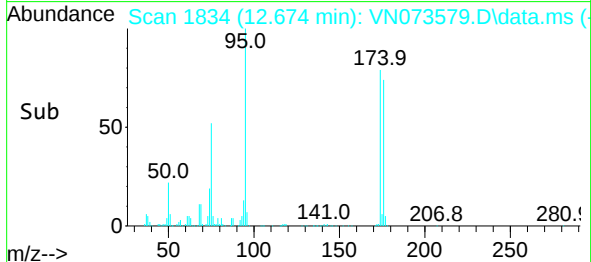
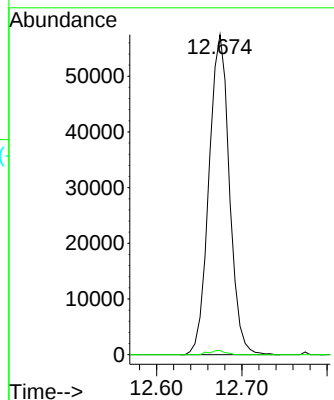
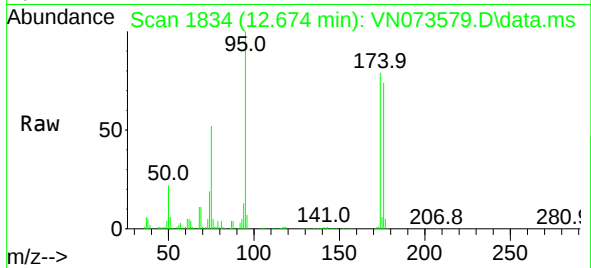




#76
1,2,3-Trichloropropane
Concen: 19.985 ug/l
RT: 12.674 min Scan# 1834
Delta R.T. -0.142 min
Lab File: VN073579.D
Acq: 25 Jul 2022 15:08

Instrument :
MSVOA_N
ClientSampleId :
MW-10F

Tgt Ion: 75 Resp: 95666
Ion Ratio Lower Upper
75 100
77 1.0 98.5 295.5#



#81
trans-1,4-Dichloro-2-butene
Concen: 54.809 ug/l
RT: 12.674 min Scan# 1834
Delta R.T. 0.111 min
Lab File: VN073579.D
Acq: 25 Jul 2022 15:08

Tgt Ion: 75 Resp: 95666
Ion Ratio Lower Upper
75 100
53 0.0 78.0 117.0#
89 0.1 37.2 55.8#

