

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN052422\
 Data File : VN072595.D
 Acq On : 24 May 2022 18:54
 Operator : JC\MD
 Sample : N2981-21
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 15 Sample Multiplier: 1

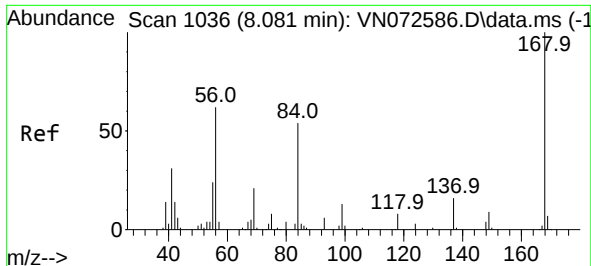
Instrument :
 MSVOA_N
 ClientSampleId :
 TGMP-1

Quant Time: May 25 09:21:04 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N052422W.M
 Quant Title : SW846 8260
 QLast Update : Wed May 25 09:15:20 2022
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	8.086	168	150492	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.963	114	281202	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.739	117	320870	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.668	152	99987	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.433	65	89787	52.450	ug/l	0.00
Spiked Amount	50.000	Range	61 - 141	Recovery	=	104.900%
35) Dibromofluoromethane	8.022	113	78977	43.333	ug/l	0.00
Spiked Amount	50.000	Range	69 - 133	Recovery	=	86.660%
50) Toluene-d8	10.439	98	356938	51.291	ug/l	0.00
Spiked Amount	50.000	Range	65 - 126	Recovery	=	102.580%
62) 4-Bromofluorobenzene	12.727	95	135289	59.773	ug/l	0.00
Spiked Amount	50.000	Range	58 - 135	Recovery	=	119.540%
Target Compounds						
						Qvalue
3) Chloromethane	2.298	50	672	Below Cal		94
5) Bromomethane	2.834	94	112	1.569 ug/l	#	2
6) Chloroethane	2.951	64	415	Below Cal	#	42
10) Methyl Iodide	4.410	142	579	0.343 ug/l	#	44
16) Acetone	4.287	43	2965	3.524 ug/l		97
18) Methyl Acetate	4.857	43	522	Below Cal	#	48
20) Methylene Chloride	5.081	84	133	Below Cal	#	63
25) 2-Butanone	7.345	43	1783	1.256 ug/l	#	45
31) Cyclohexane	8.075	56	3043	1.122 ug/l	#	19
36) 1,1-Dichloropropene	8.080	75	10802	4.189 ug/l	#	49
37) Ethyl Acetate	7.345	43	1783	0.529 ug/l	#	71
38) Carbon Tetrachloride	8.080	117	13249	4.868 ug/l	#	17
59) 2-Hexanone	11.080	43	1349	0.582 ug/l	#	51
71) Bromoform	12.721	173	800	0.359 ug/l	#	28
76) 1,2,3-Trichloropropane	12.727	75	65830	24.250 ug/l	#	1
81) trans-1,4-Dichloro-2-b...	12.727	75	65830	71.166 ug/l	#	10
93) 1,2,4-Trichlorobenzene	15.256	180	604	0.321 ug/l		82
95) Naphthalene	15.503	128	3231	0.519 ug/l	#	86
96) 1,2,3-Trichlorobenzene	15.692	180	731	0.363 ug/l	#	86

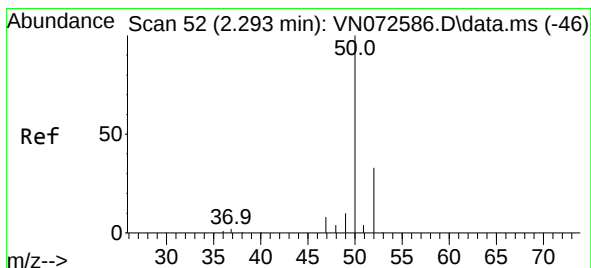
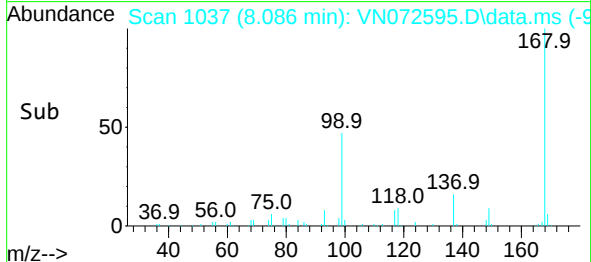
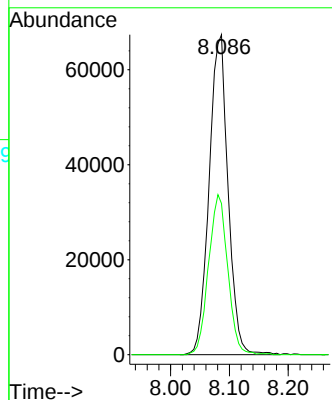
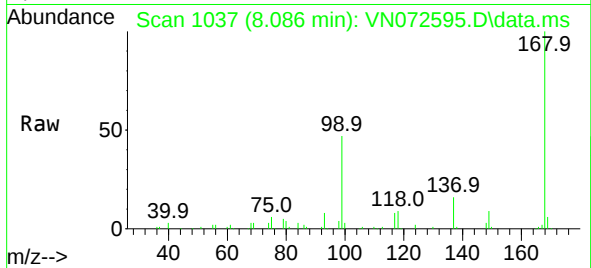
(#) = qualifier out of range (m) = manual integration (+) = signals summed



#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.086 min Scan# 10
Delta R.T. 0.005 min
Lab File: VN072595.D
Acq: 24 May 2022 18:54

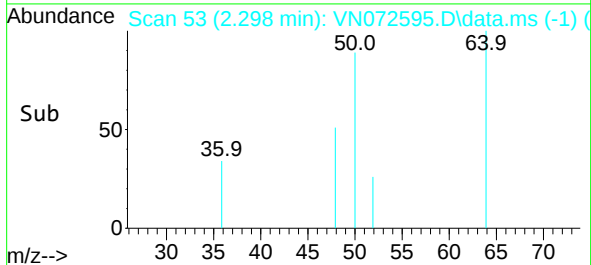
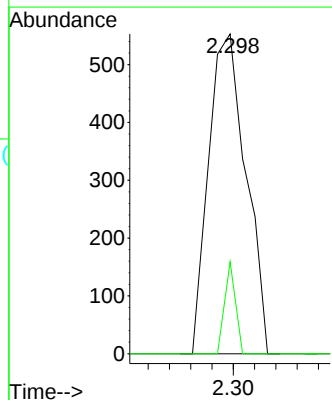
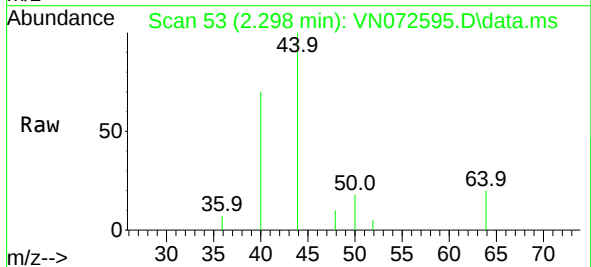
Instrument :
MSVOA_N
ClientSampleId :
TGMP-1

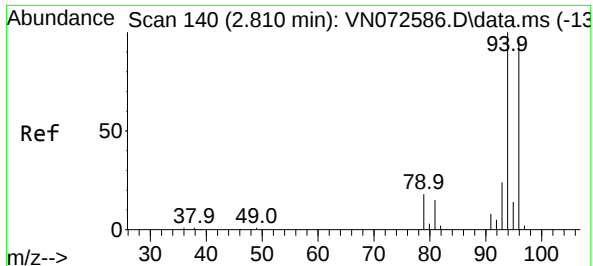
Tgt Ion:168 Resp: 150492
Ion Ratio Lower Upper
168 100
99 47.3 42.3 63.5



#3
Chloromethane
Concen: Below Cal
RT: 2.298 min Scan# 53
Delta R.T. 0.005 min
Lab File: VN072595.D
Acq: 24 May 2022 18:54

Tgt Ion: 50 Resp: 672
Ion Ratio Lower Upper
50 100
52 28.8 25.7 38.5





#5

Bromomethane

Concen: 1.569 ug/l

RT: 2.834 min Scan# 14

Delta R.T. 0.024 min

Lab File: VN072595.D

Acq: 24 May 2022 18:54

Instrument :

MSVOA_N

ClientSampleId :

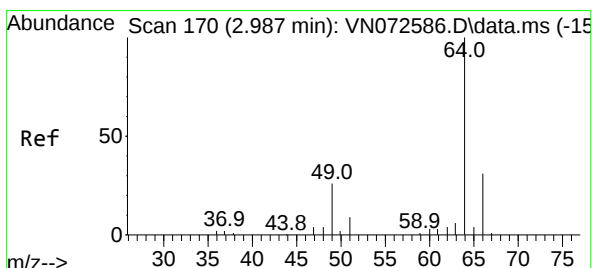
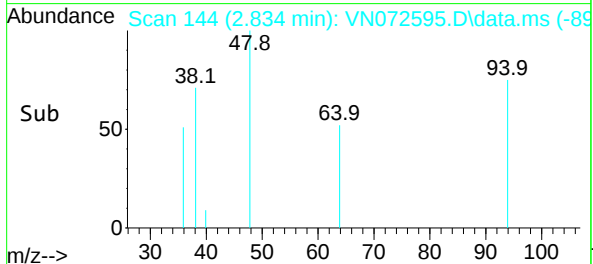
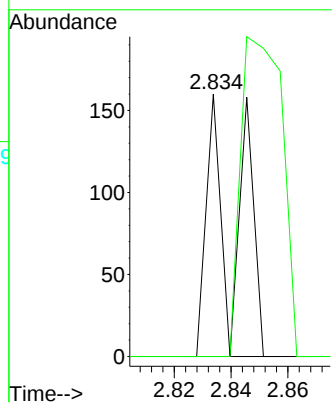
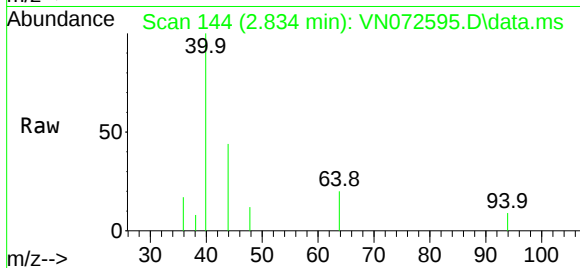
TGMP-1

Tgt Ion: 94 Resp: 112

Ion Ratio Lower Upper

94 100

96 0.0 76.0 114.0#



#6

Chloroethane

Concen: Below Cal

RT: 2.951 min Scan# 164

Delta R.T. -0.036 min

Lab File: VN072595.D

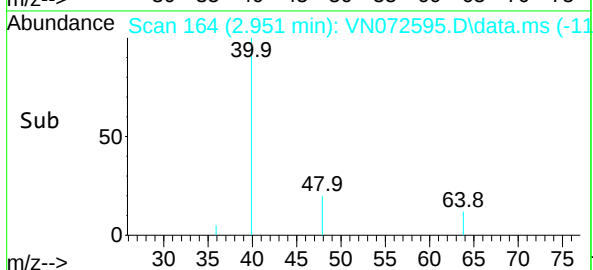
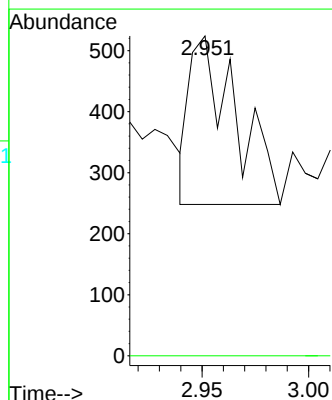
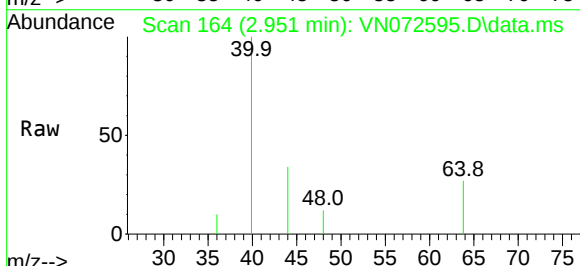
Acq: 24 May 2022 18:54

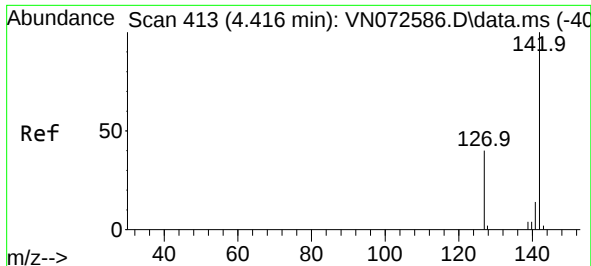
Tgt Ion: 64 Resp: 415

Ion Ratio Lower Upper

64 100

66 0.0 26.2 39.4#

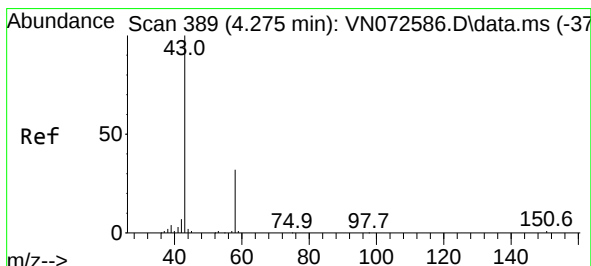
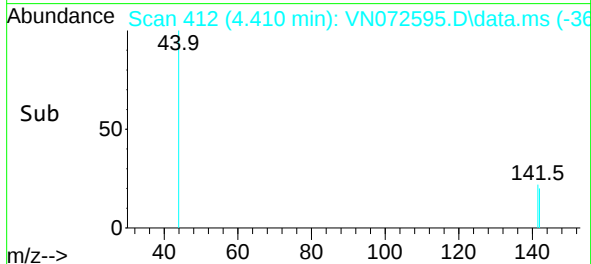
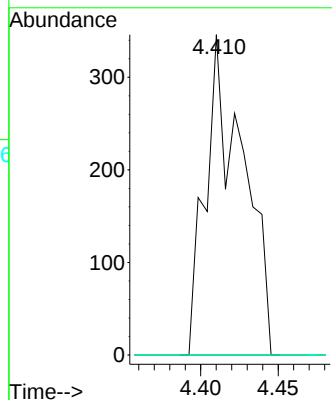
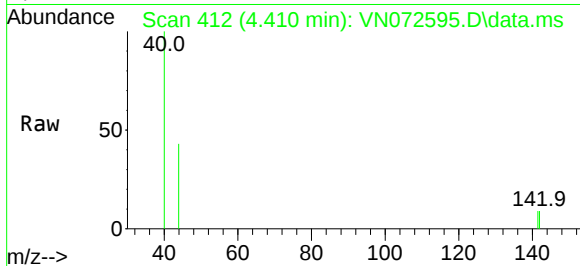




#10
Methyl Iodide
Concen: 0.343 ug/l
RT: 4.410 min Scan# 41
Delta R.T. -0.006 min
Lab File: VN072595.D
Acq: 24 May 2022 18:54

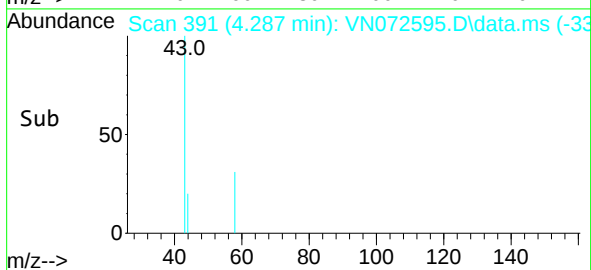
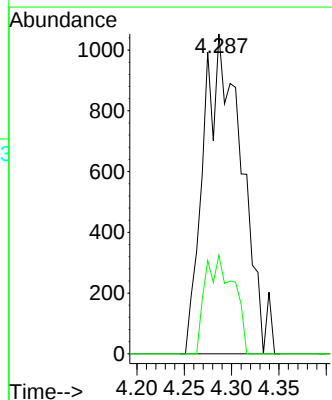
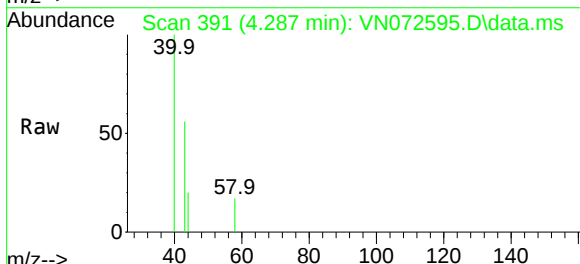
Instrument :
MSVOA_N
ClientSampleId :
TGMP-1

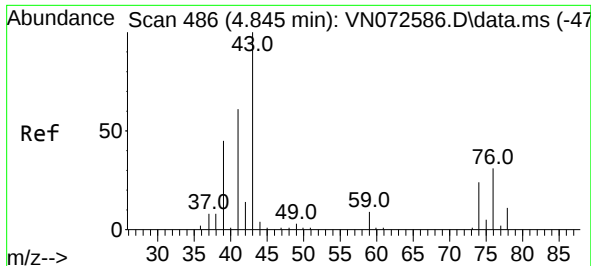
Tgt Ion:142 Resp: 579
Ion Ratio Lower Upper
142 100
127 0.0 31.3 46.9#
141 0.0 11.2 16.8#



#16
Acetone
Concen: 3.524 ug/l
RT: 4.287 min Scan# 391
Delta R.T. 0.012 min
Lab File: VN072595.D
Acq: 24 May 2022 18:54

Tgt Ion: 43 Resp: 2965
Ion Ratio Lower Upper
43 100
58 30.8 26.0 39.0

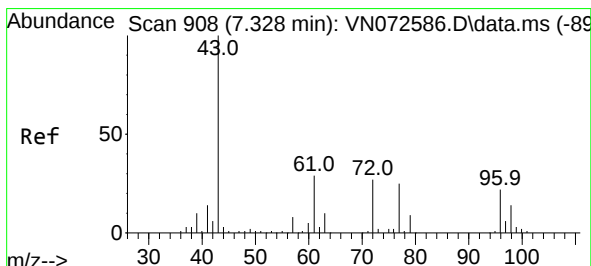
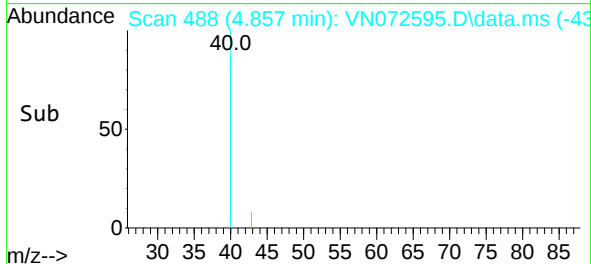
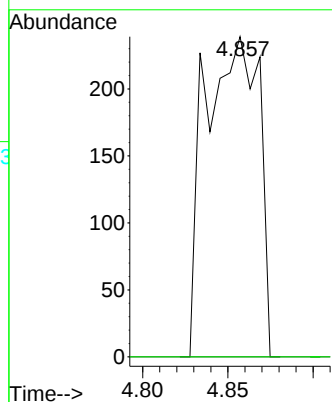
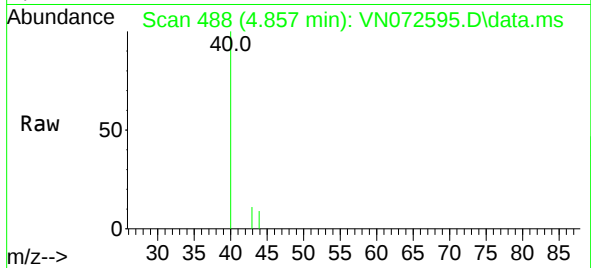




#18
Methyl Acetate
Concen: Below Cal
RT: 4.857 min Scan# 41
Delta R.T. 0.012 min
Lab File: VN072595.D
Acq: 24 May 2022 18:54

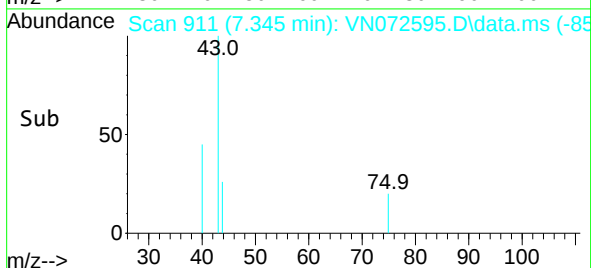
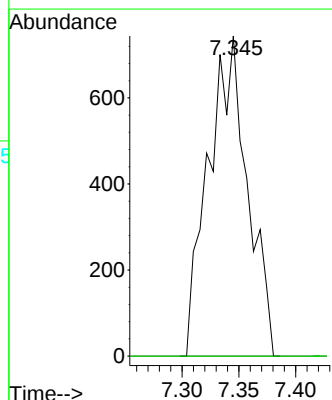
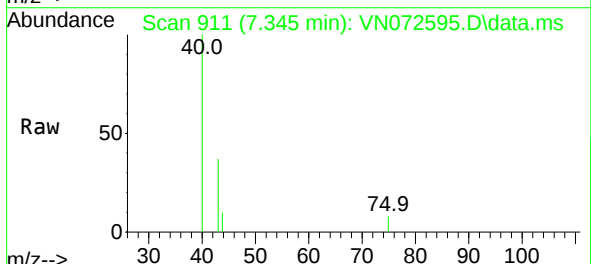
Instrument :
MSVOA_N
ClientSampleId :
TGMP-1

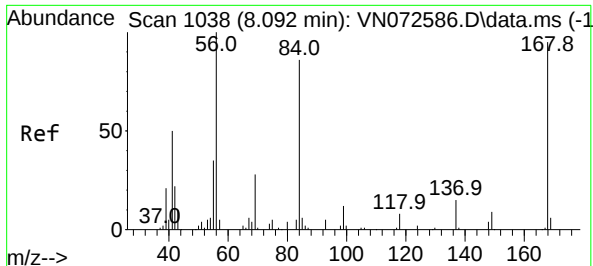
Tgt Ion: 43 Resp: 522
Ion Ratio Lower Upper
43 100
74 0.0 21.6 32.4#



#25
2-Butanone
Concen: 1.256 ug/l
RT: 7.345 min Scan# 911
Delta R.T. 0.017 min
Lab File: VN072595.D
Acq: 24 May 2022 18:54

Tgt Ion: 43 Resp: 1783
Ion Ratio Lower Upper
43 100
72 0.0 23.7 35.5#

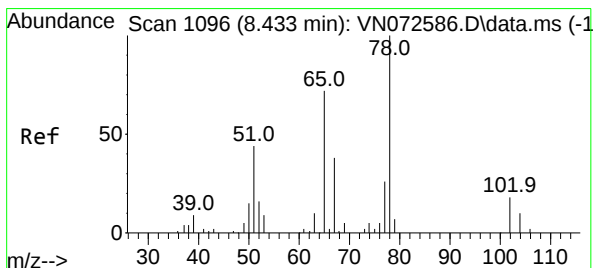
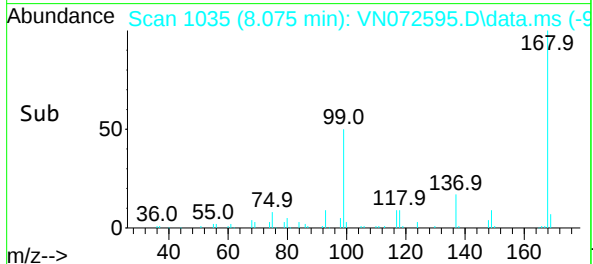
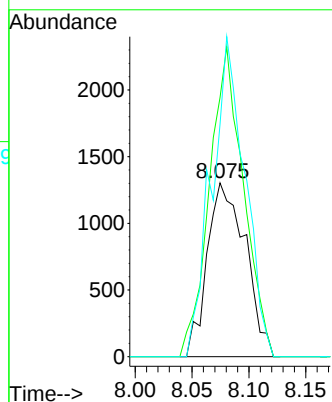
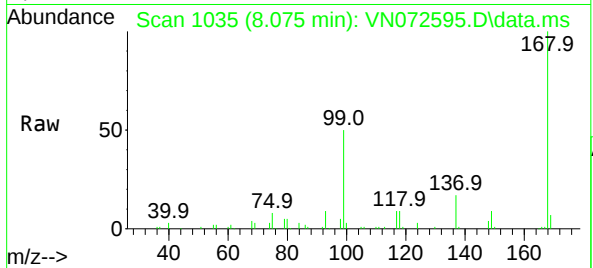




#31
Cyclohexane
Concen: 1.122 ug/l
RT: 8.075 min Scan# 1035
Delta R.T. -0.017 min
Lab File: VN072595.D
Acq: 24 May 2022 18:54

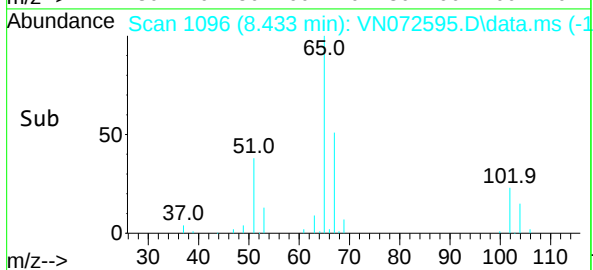
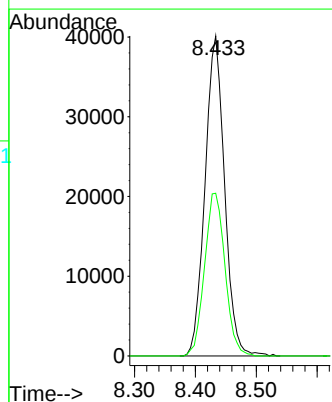
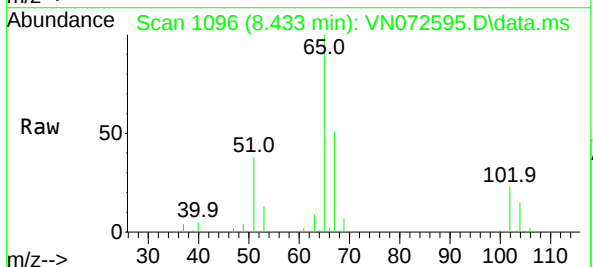
Instrument :
MSVOA_N
ClientSampleId :
TGMP-1

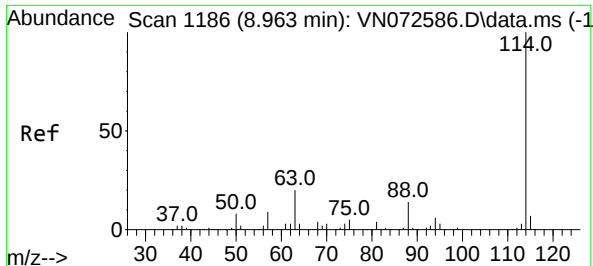
Tgt Ion: 56 Resp: 3043
Ion Ratio Lower Upper
56 100
69 149.2 27.8 41.8#
84 133.8 76.9 115.3#



#33
1,2-Dichloroethane-d4
Concen: 52.450 ug/l
RT: 8.433 min Scan# 1096
Delta R.T. 0.000 min
Lab File: VN072595.D
Acq: 24 May 2022 18:54

Tgt Ion: 65 Resp: 89787
Ion Ratio Lower Upper
65 100
67 53.2 0.0 104.8

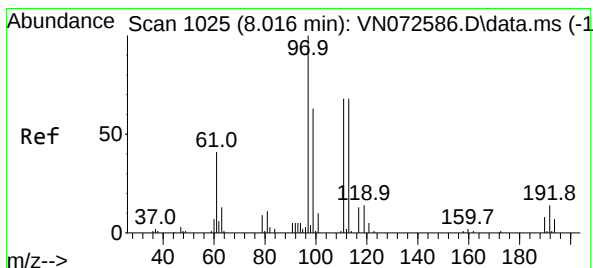
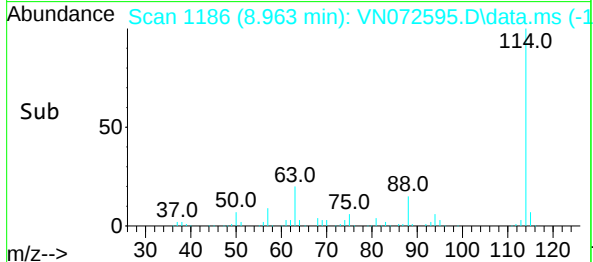
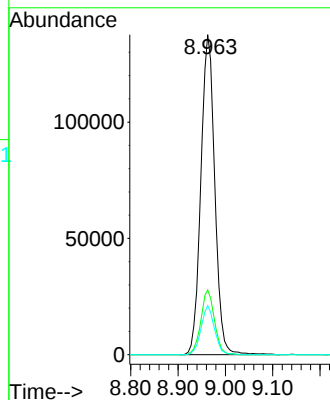
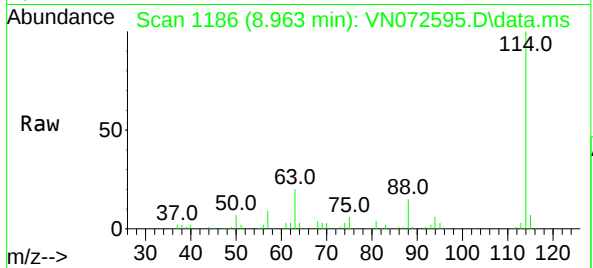




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.963 min Scan# 1186
Delta R.T. -0.000 min
Lab File: VN072595.D
Acq: 24 May 2022 18:54

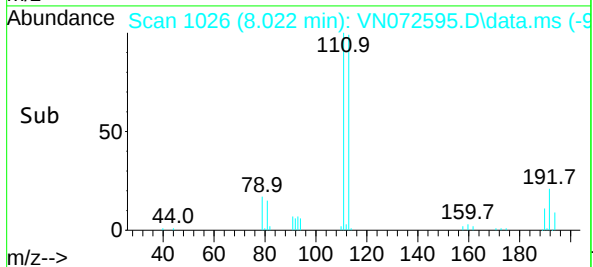
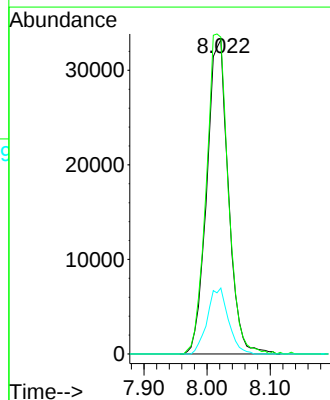
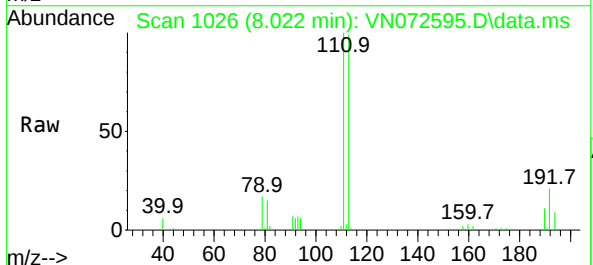
Instrument :
MSVOA_N
ClientSampleId :
TGMP-1

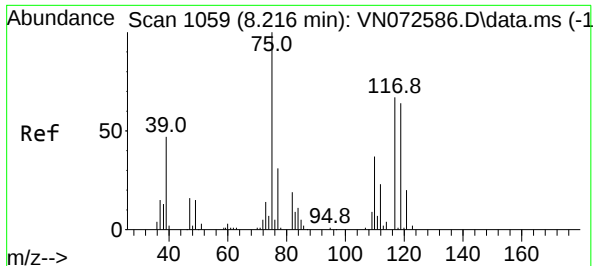
Tgt Ion:114 Resp: 281202
Ion Ratio Lower Upper
114 100
63 20.2 0.0 40.0
88 15.3 0.0 32.6



#35
Dibromofluoromethane
Concen: 43.333 ug/l
RT: 8.022 min Scan# 1026
Delta R.T. 0.006 min
Lab File: VN072595.D
Acq: 24 May 2022 18:54

Tgt Ion:113 Resp: 78977
Ion Ratio Lower Upper
113 100
111 103.9 81.4 122.0
192 20.5 17.0 25.6

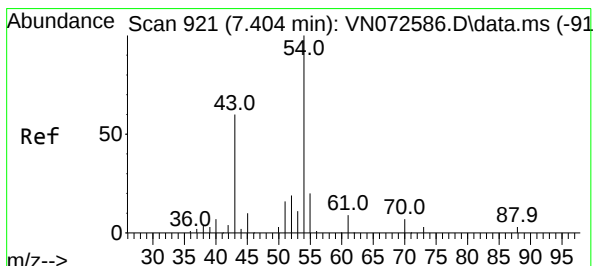
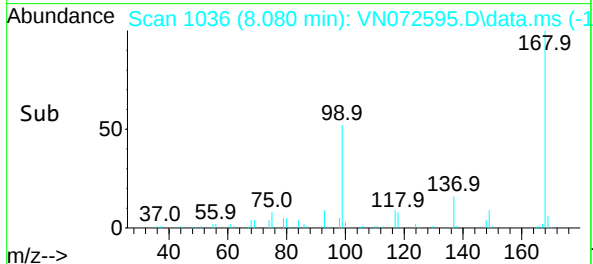
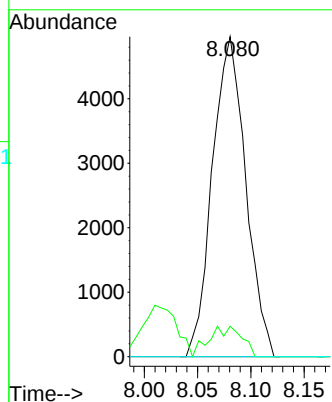
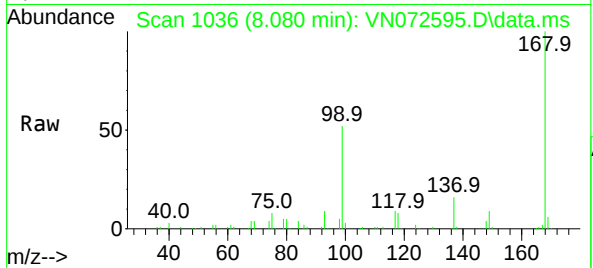




#36
1,1-Dichloropropene
Concen: 4.189 ug/l
RT: 8.080 min Scan# 1080
Delta R.T. -0.136 min
Lab File: VN072595.D
Acq: 24 May 2022 18:54

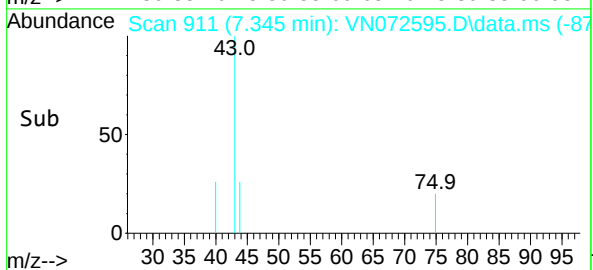
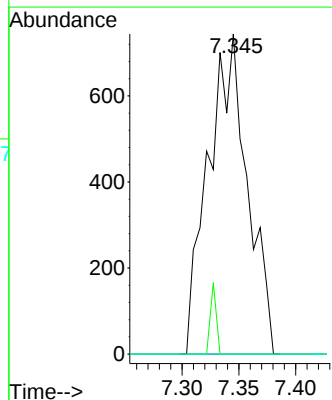
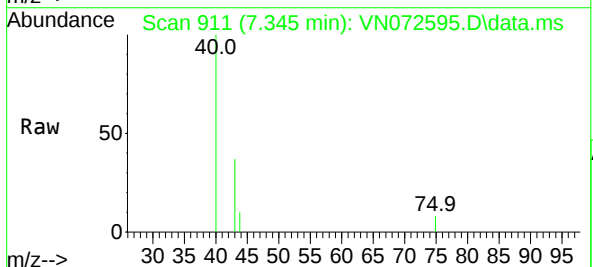
Instrument :
MSVOA_N
ClientSampleId :
TGMP-1

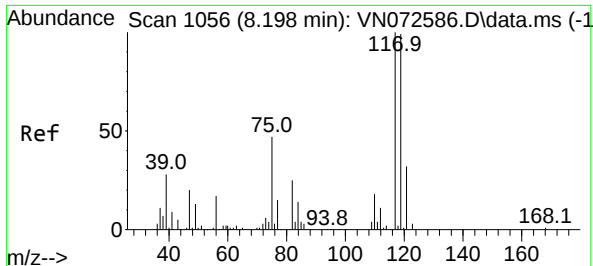
Tgt Ion: 75 Resp: 10802
Ion Ratio Lower Upper
75 100
110 9.3 18.3 54.8#
77 0.0 25.1 37.7#



#37
Ethyl Acetate
Concen: 0.529 ug/l
RT: 7.345 min Scan# 911
Delta R.T. -0.059 min
Lab File: VN072595.D
Acq: 24 May 2022 18:54

Tgt Ion: 43 Resp: 1783
Ion Ratio Lower Upper
43 100
61 3.3 11.8 17.6#
70 0.0 9.3 13.9#

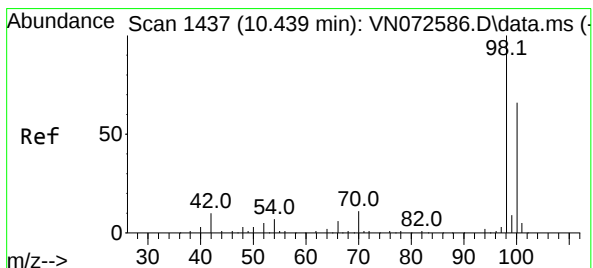
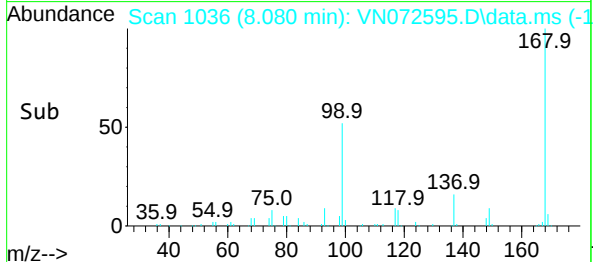
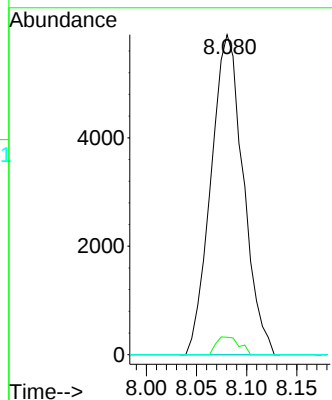
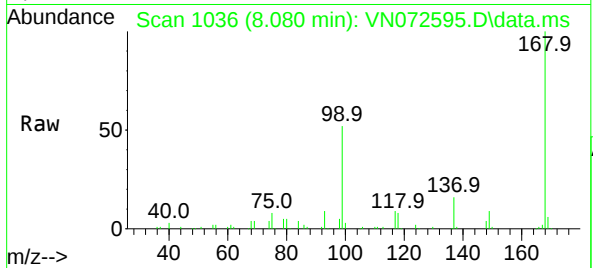




#38
Carbon Tetrachloride
Concen: 4.868 ug/l
RT: 8.080 min Scan# 1056
Delta R.T. -0.118 min
Lab File: VN072595.D
Acq: 24 May 2022 18:54

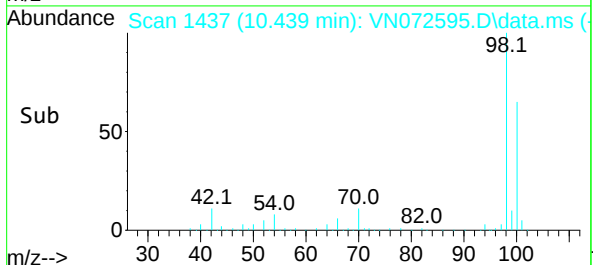
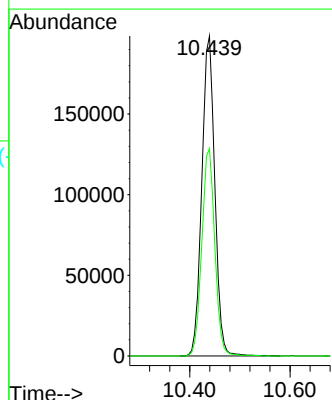
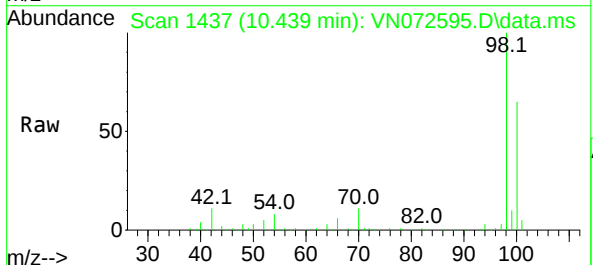
Instrument :
MSVOA_N
ClientSampleId :
TGMP-1

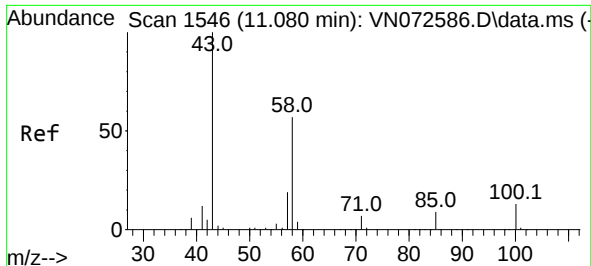
Tgt Ion:117 Resp: 13249
Ion Ratio Lower Upper
117 100
119 5.4 75.8 113.8#
121 0.0 24.6 37.0#



#50
Toluene-d8
Concen: 51.291 ug/l
RT: 10.439 min Scan# 1437
Delta R.T. 0.000 min
Lab File: VN072595.D
Acq: 24 May 2022 18:54

Tgt Ion: 98 Resp: 356938
Ion Ratio Lower Upper
98 100
100 64.8 52.6 78.8

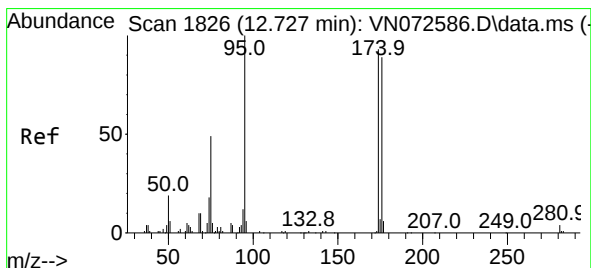
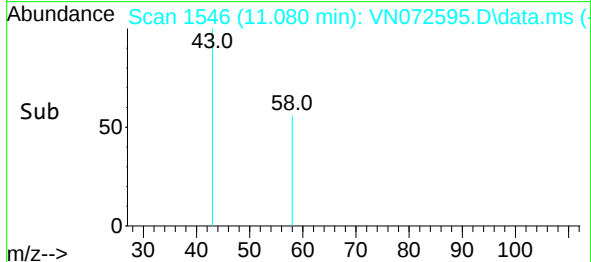
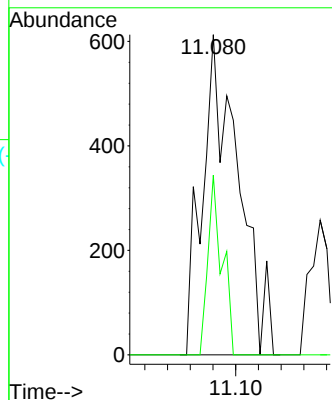
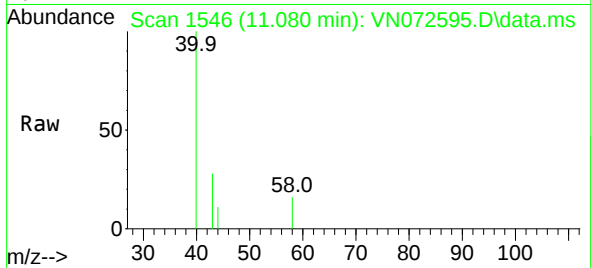




#59
2-Hexanone
Concen: 0.582 ug/l
RT: 11.080 min Scan# 11
Delta R.T. 0.000 min
Lab File: VN072595.D
Acq: 24 May 2022 18:54

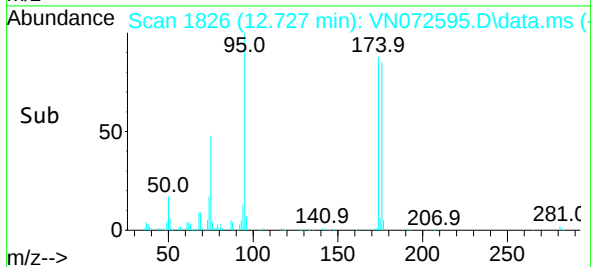
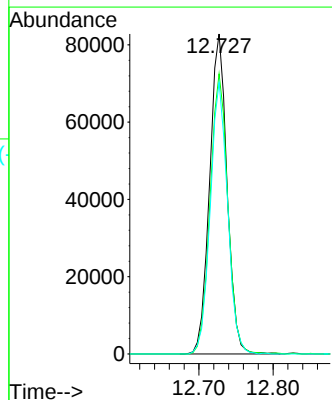
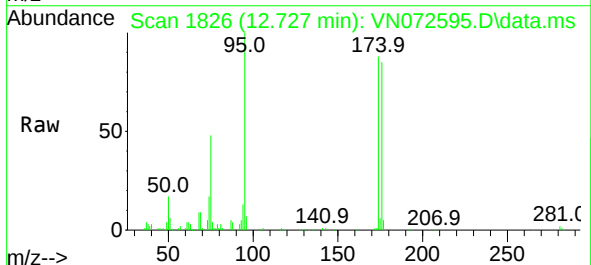
Instrument :
MSVOA_N
ClientSampleId :
TGMP-1

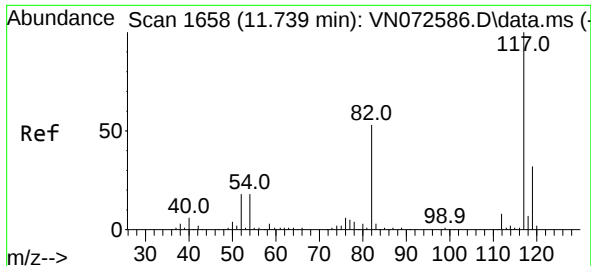
Tgt Ion: 43 Resp: 1349
Ion Ratio Lower Upper
43 100
58 22.2 29.7 89.1#



#62
4-Bromofluorobenzene
Concen: 59.773 ug/l
RT: 12.727 min Scan# 1826
Delta R.T. 0.000 min
Lab File: VN072595.D
Acq: 24 May 2022 18:54

Tgt Ion: 95 Resp: 135289
Ion Ratio Lower Upper
95 100
174 89.0 0.0 167.6
176 84.1 0.0 163.4

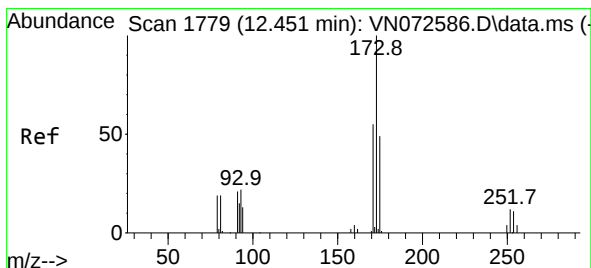
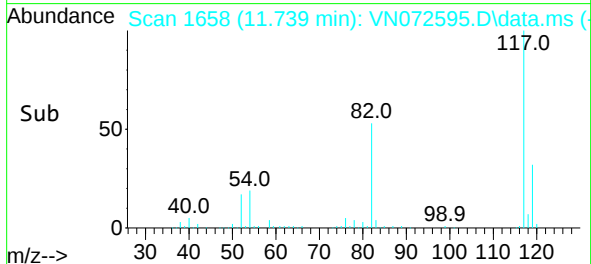
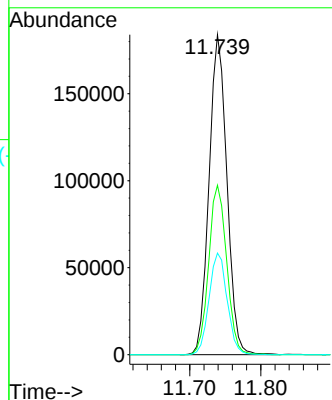
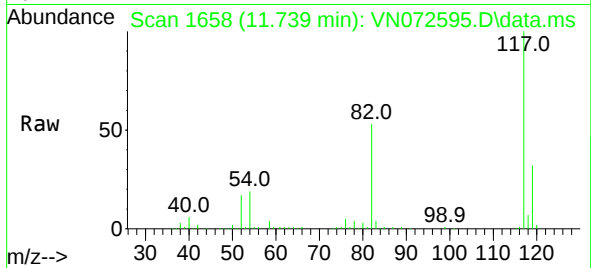




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.739 min Scan# 117
Delta R.T. 0.000 min
Lab File: VN072595.D
Acq: 24 May 2022 18:54

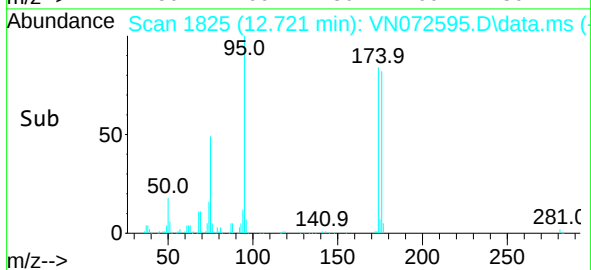
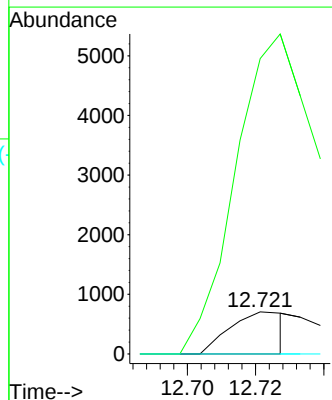
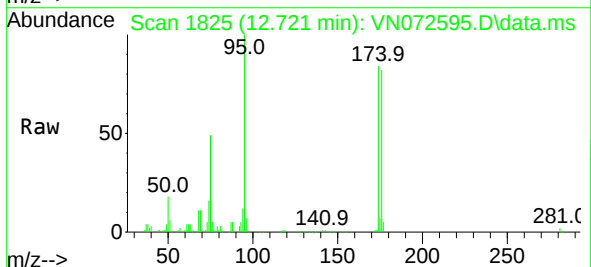
Instrument :
MSVOA_N
ClientSampleId :
TGMP-1

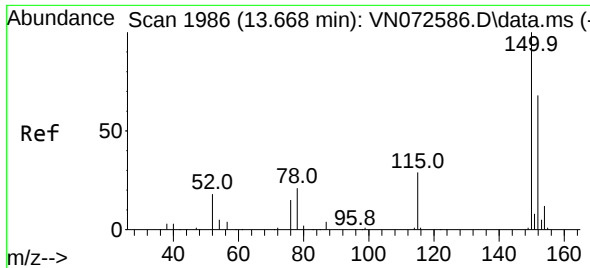
Tgt Ion:117 Resp: 320870
Ion Ratio Lower Upper
117 100
82 53.0 44.2 66.2
119 31.7 25.4 38.0



#71
Bromoform
Concen: 0.359 ug/l
RT: 12.721 min Scan# 1825
Delta R.T. 0.270 min
Lab File: VN072595.D
Acq: 24 May 2022 18:54

Tgt Ion:173 Resp: 800
Ion Ratio Lower Upper
173 100
175 0.0 24.6 73.6#
254 0.0 0.1 0.1#

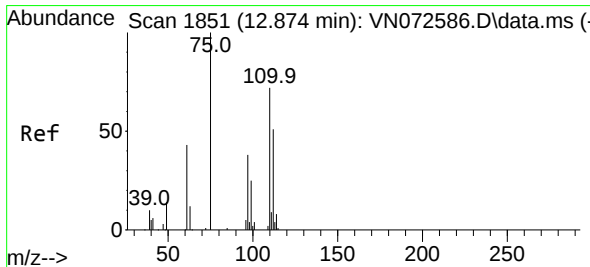
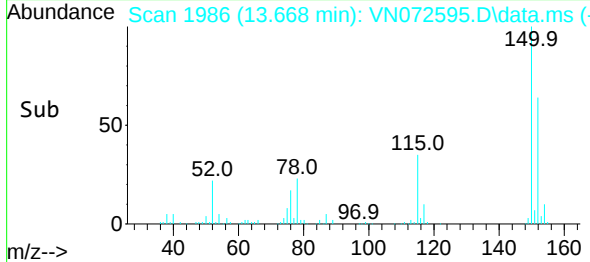
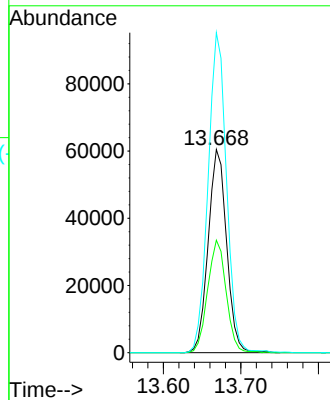
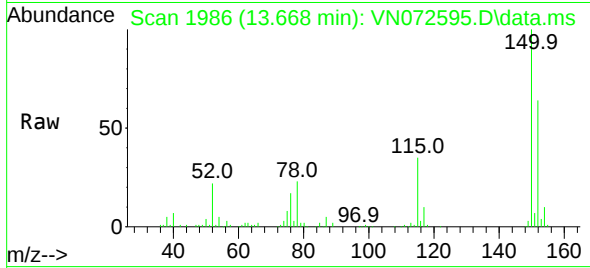




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.668 min Scan# 1986
 Delta R.T. 0.000 min
 Lab File: VN072595.D
 Acq: 24 May 2022 18:54

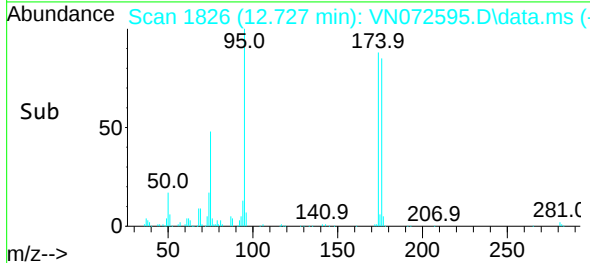
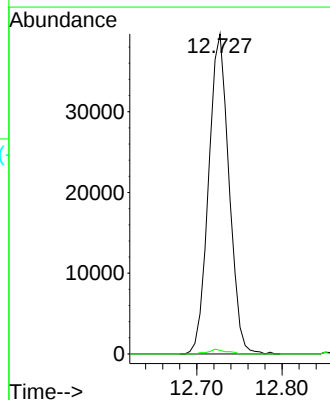
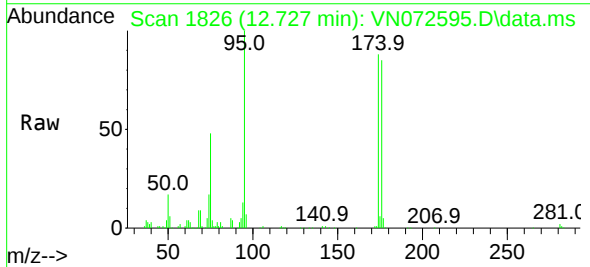
Instrument :
 MSVOA_N
 ClientSampleId :
 TGMP-1

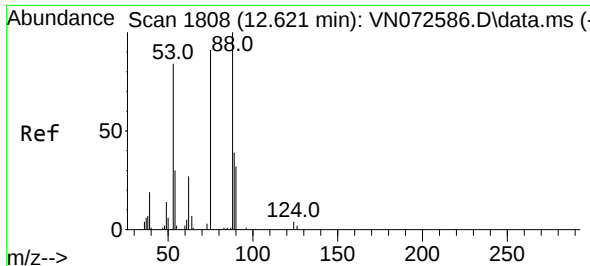
Tgt Ion:152 Resp: 99987
 Ion Ratio Lower Upper
 152 100
 115 55.5 28.9 86.7
 150 157.2 0.0 356.2



#76
 1,2,3-Trichloropropane
 Concen: 24.250 ug/l
 RT: 12.727 min Scan# 1826
 Delta R.T. -0.147 min
 Lab File: VN072595.D
 Acq: 24 May 2022 18:54

Tgt Ion: 75 Resp: 65830
 Ion Ratio Lower Upper
 75 100
 77 1.3 98.5 295.5#

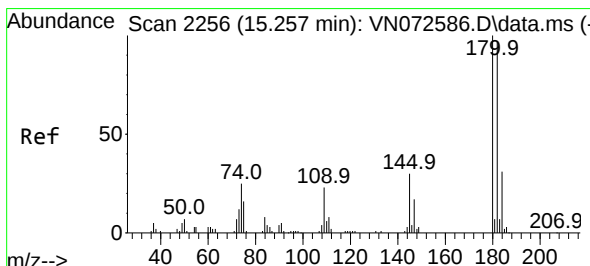
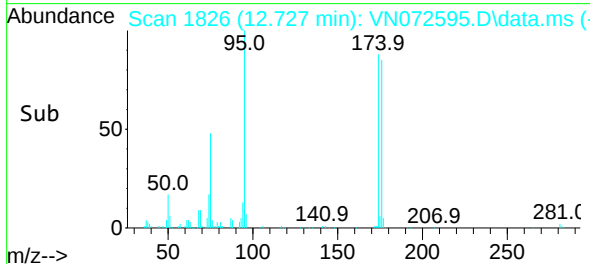
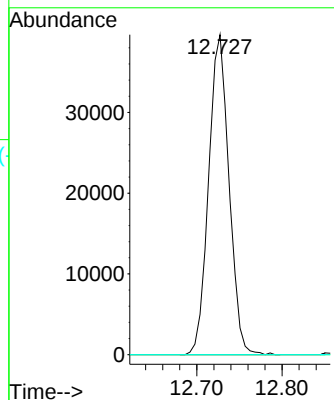
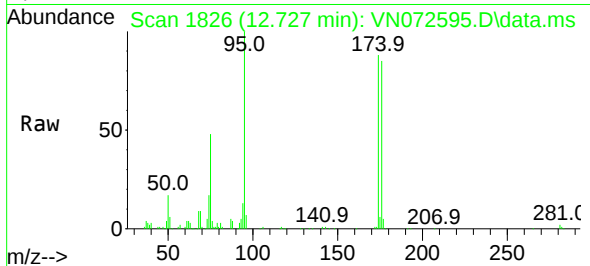




#81
 trans-1,4-Dichloro-2-butene
 Concen: 71.166 ug/l
 RT: 12.727 min Scan# 1808
 Delta R.T. 0.106 min
 Lab File: VN072595.D
 Acq: 24 May 2022 18:54

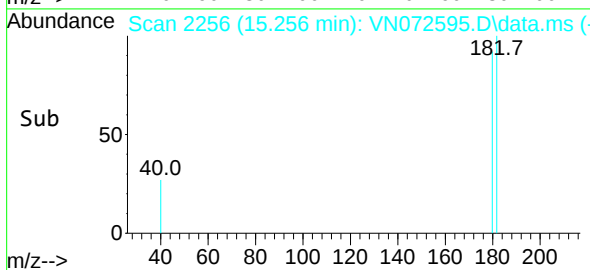
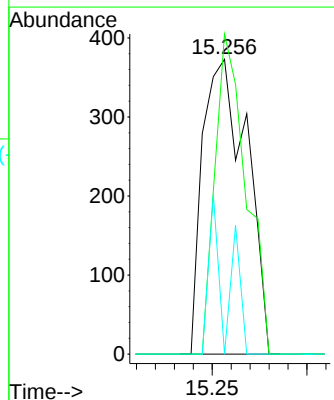
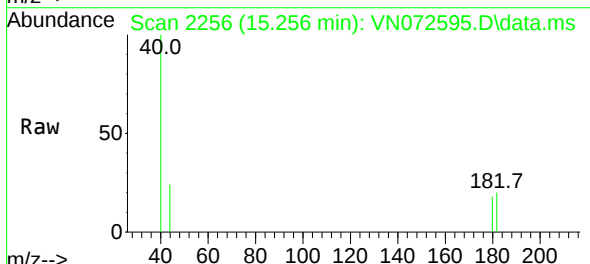
Instrument :
 MSVOA_N
 ClientSampleId :
 TGMP-1

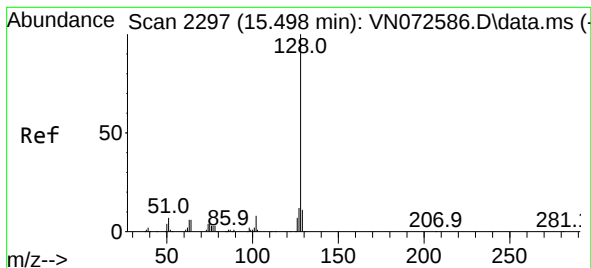
Tgt Ion: 75 Resp: 65830
 Ion Ratio Lower Upper
 75 100
 53 0.0 78.0 117.0#
 89 0.0 37.2 55.8#



#93
 1,2,4-Trichlorobenzene
 Concen: 0.321 ug/l
 RT: 15.256 min Scan# 2256
 Delta R.T. -0.001 min
 Lab File: VN072595.D
 Acq: 24 May 2022 18:54

Tgt Ion:180 Resp: 604
 Ion Ratio Lower Upper
 180 100
 182 76.3 47.5 142.5
 145 21.4 14.5 43.5





#95

Naphthalene

Concen: 0.519 ug/l

RT: 15.503 min Scan# 21

Delta R.T. 0.005 min

Lab File: VN072595.D

Acq: 24 May 2022 18:54

Instrument :

MSVOA_N

ClientSampleId :

TGMP-1

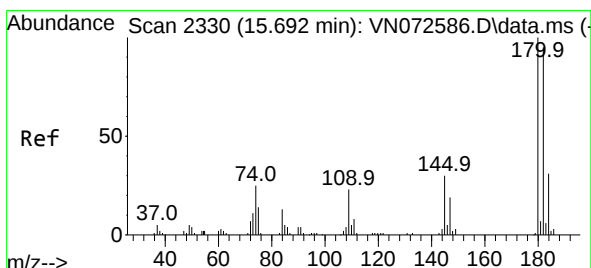
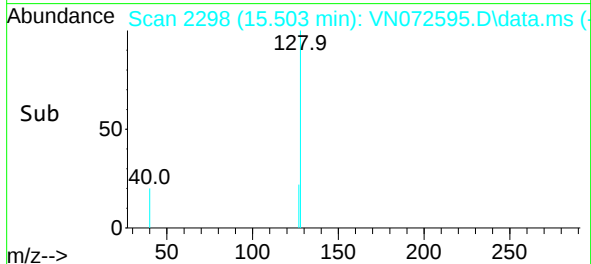
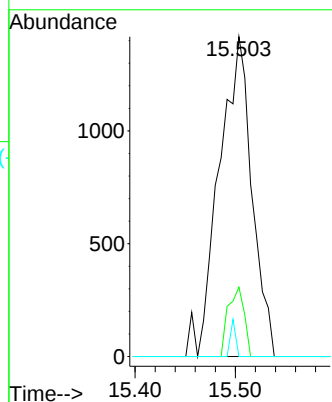
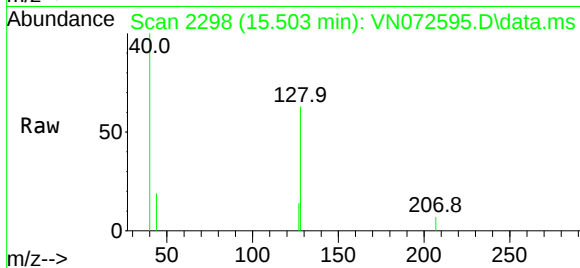
Tgt Ion:128 Resp: 3231

Ion Ratio Lower Upper

128 100

127 10.5 10.3 15.5

129 1.8 8.6 13.0#



#96

1,2,3-Trichlorobenzene

Concen: 0.363 ug/l

RT: 15.692 min Scan# 2330

Delta R.T. -0.000 min

Lab File: VN072595.D

Acq: 24 May 2022 18:54

Tgt Ion:180 Resp: 731

Ion Ratio Lower Upper

180 100

182 96.3 47.8 143.3

145 0.0 15.5 46.5#

