

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN090322\
 Data File : VN074338.D
 Acq On : 03 Sep 2022 23:50
 Operator : JC\MD
 Sample : N4355-11
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 24 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 MW-36

Quant Time: Sep 05 05:43:10 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N090222W.M
 Quant Title : SW846 8260
 QLast Update : Sat Sep 03 04:35:33 2022
 Response via : Initial Calibration

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

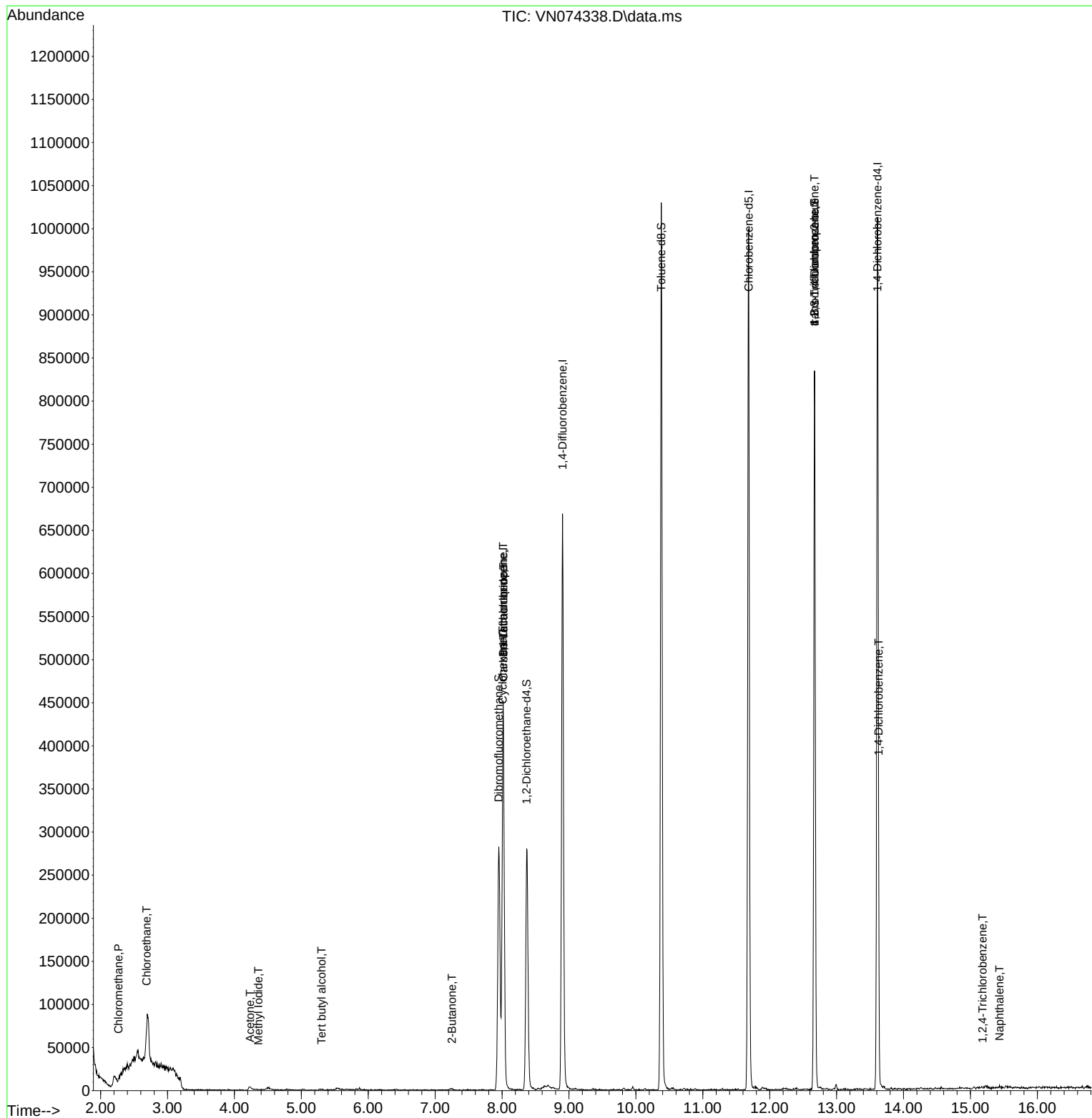
Internal Standards						
1) Pentafluorobenzene	8.016	168	313763	50.000	ug/l	# 0.00
34) 1,4-Difluorobenzene	8.904	114	557656	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.686	117	547783	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.610	152	249072	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.369	65	229280	46.878	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	=	93.760%
35) Dibromofluoromethane	7.951	113	200728	54.320	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	108.640%
50) Toluene-d8	10.380	98	680496	46.701	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	=	93.400%
62) 4-Bromofluorobenzene	12.668	95	247319	46.590	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	=	93.180%
Target Compounds						
						Qvalue
3) Chloromethane	2.269	50	990	0.231	ug/l	# 59
6) Chloroethane	2.687	64	39441	6.278	ug/l	# 47
10) Methyl Iodide	4.357	142	83	5.073	ug/l	# 44
11) Tert butyl alcohol	5.304	59	364	0.410	ug/l	# 72
16) Acetone	4.234	43	7086	3.467	ug/l	# 80
20) Methylene Chloride	5.004	84	396	Below Cal		# 31
25) 2-Butanone	7.251	43	878	0.254	ug/l	# 45
31) Cyclohexane	8.010	56	9342	1.430	ug/l	# 58
36) 1,1-Dichloropropene	8.016	75	29522	5.629	ug/l	# 49
38) Carbon Tetrachloride	8.022	117	33580	6.338	ug/l	# 16
76) 1,2,3-Trichloropropane	12.668	75	148422	21.040	ug/l	# 1
81) trans-1,4-Dichloro-2-b...	12.668	75	148422	68.302	ug/l	# 10
88) 1,4-Dichlorobenzene	13.627	146	382	0.209	ug/l	# 1
93) 1,2,4-Trichlorobenzene	15.180	180	74	0.870	ug/l	# 1
95) Naphthalene	15.433	128	1301	0.834	ug/l	# 76

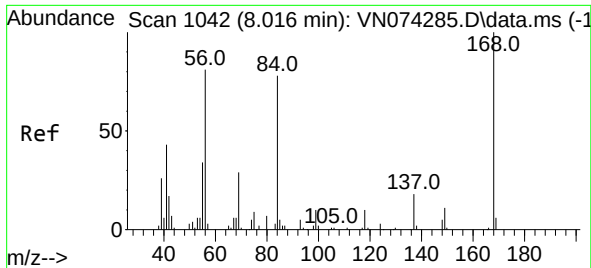
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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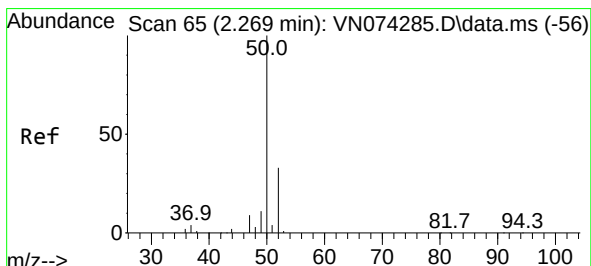
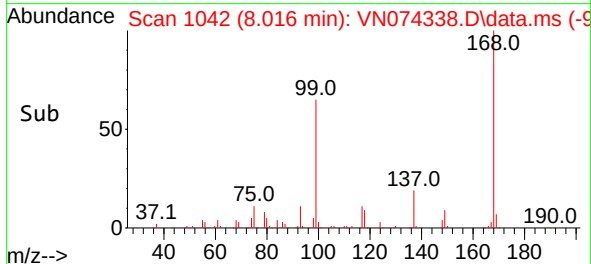
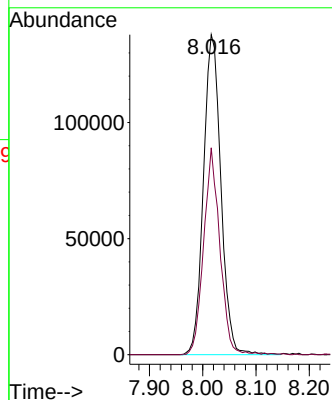
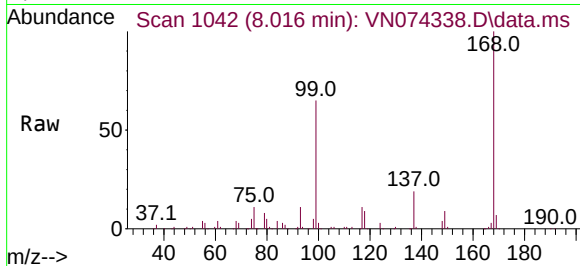




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.016 min Scan# 1042
Delta R.T. -0.000 min
Lab File: VN074338.D
Acq: 03 Sep 2022 23:50

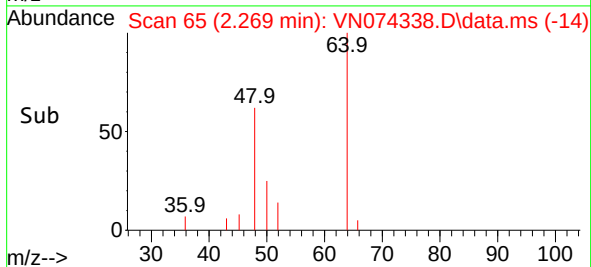
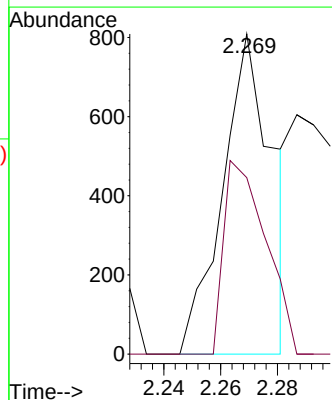
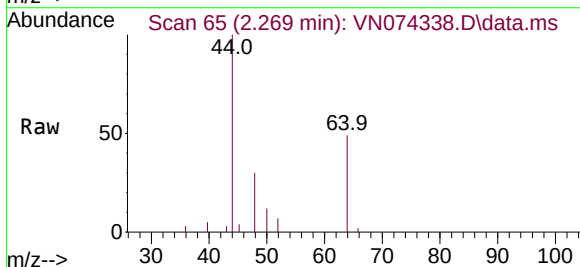
Instrument :
MSVOA_N
ClientSampleId :
MW-36

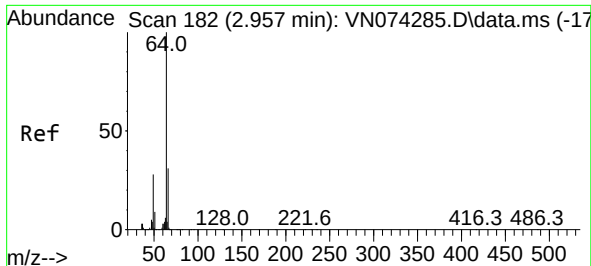
Tgt Ion:168 Resp: 313763
Ion Ratio Lower Upper
168 100
99 64.6 42.3 63.5#



#3
Chloromethane
Concen: 0.231 ug/l
RT: 2.269 min Scan# 65
Delta R.T. 0.000 min
Lab File: VN074338.D
Acq: 03 Sep 2022 23:50

Tgt Ion: 50 Resp: 990
Ion Ratio Lower Upper
50 100
52 55.1 25.7 38.5#

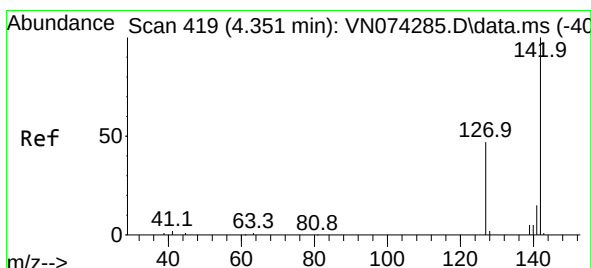
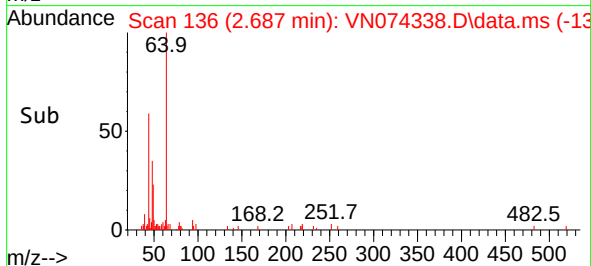
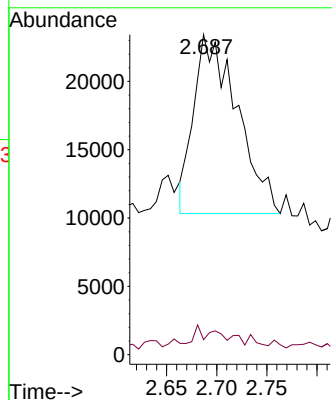
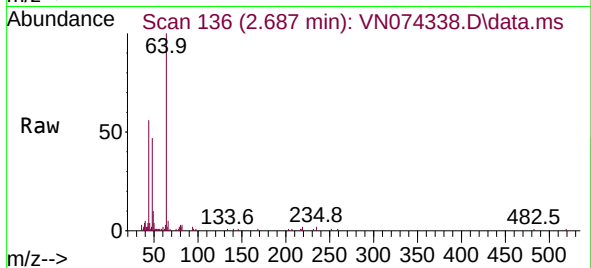




#6
Chloroethane
Concen: 6.278 ug/l
RT: 2.687 min Scan# 11
Delta R.T. -0.264 min
Lab File: VN074338.D
Acq: 03 Sep 2022 23:50

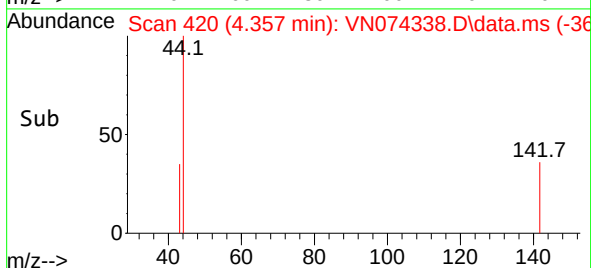
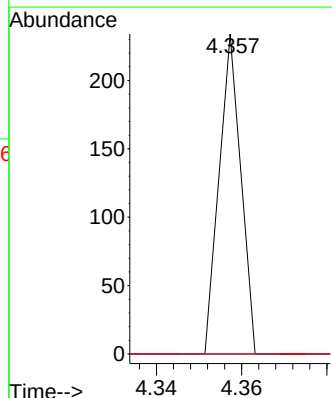
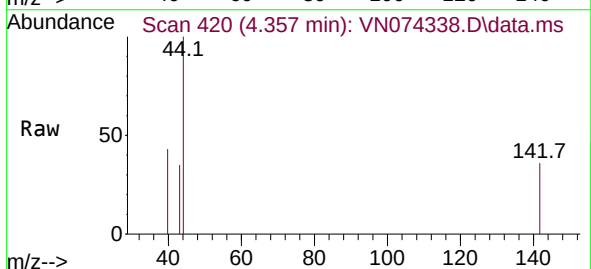
Instrument :
MSVOA_N
ClientSampleId :
MW-36

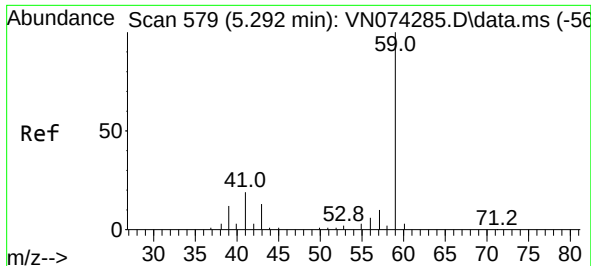
Tgt Ion: 64 Resp: 39441
Ion Ratio Lower Upper
64 100
66 2.8 26.2 39.4#



#10
Methyl Iodide
Concen: 5.073 ug/l
RT: 4.357 min Scan# 420
Delta R.T. 0.011 min
Lab File: VN074338.D
Acq: 03 Sep 2022 23:50

Tgt Ion: 142 Resp: 83
Ion Ratio Lower Upper
142 100
127 0.0 31.3 46.9#
141 0.0 11.2 16.8#





#11

Tert butyl alcohol

Concen: 0.410 ug/l

RT: 5.304 min Scan# 51

Delta R.T. 0.017 min

Lab File: VN074338.D

Acq: 03 Sep 2022 23:50

Instrument :

MSVOA_N

ClientSampleId :

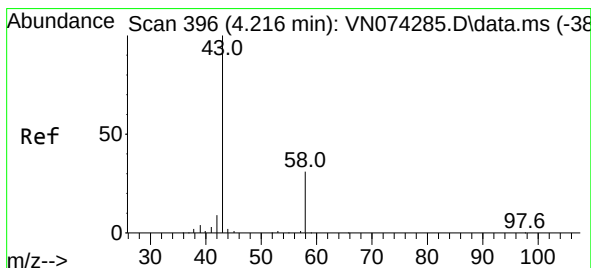
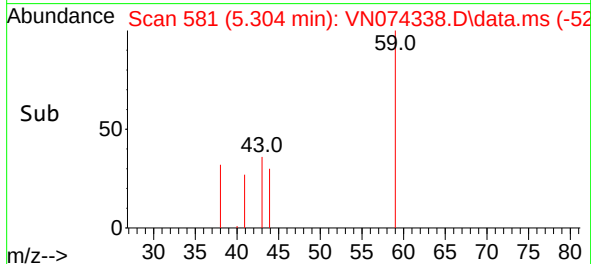
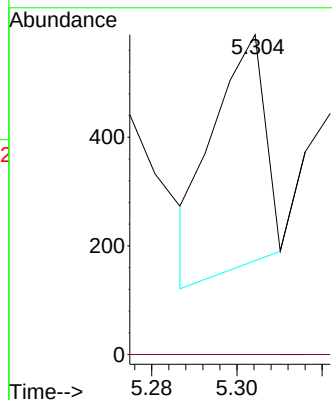
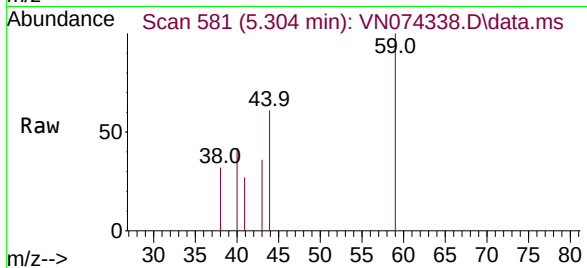
MW-36

Tgt Ion: 59 Resp: 364

Ion Ratio Lower Upper

59 100

57 0.0 8.3 12.5#



#16

Acetone

Concen: 3.467 ug/l

RT: 4.234 min Scan# 399

Delta R.T. 0.012 min

Lab File: VN074338.D

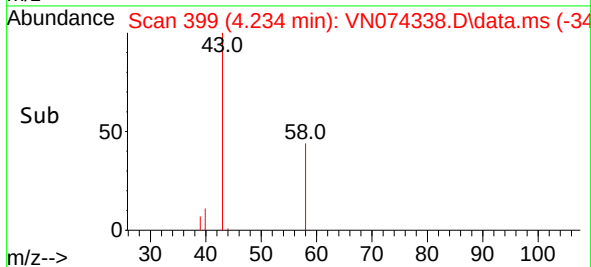
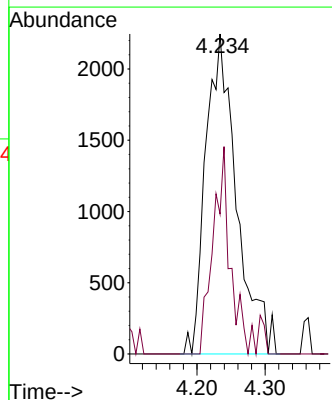
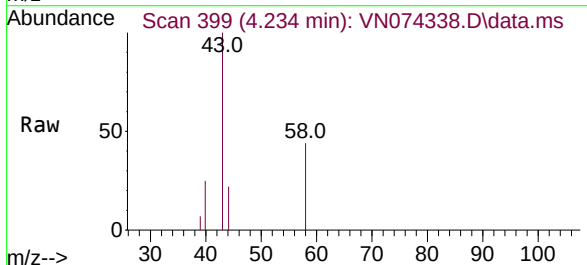
Acq: 03 Sep 2022 23:50

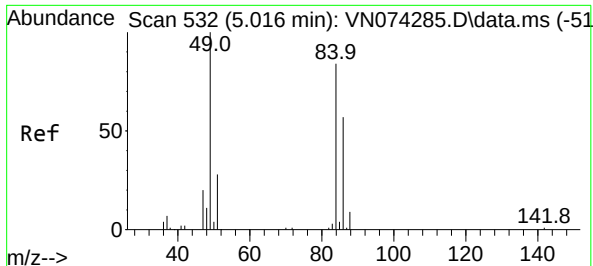
Tgt Ion: 43 Resp: 7086

Ion Ratio Lower Upper

43 100

58 43.8 26.0 39.0#

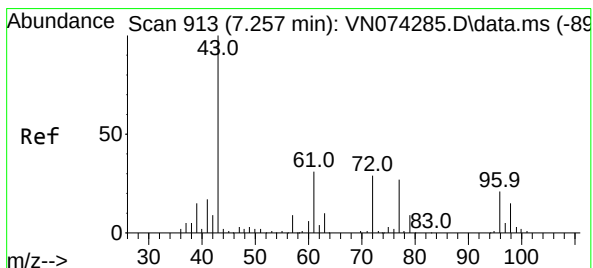
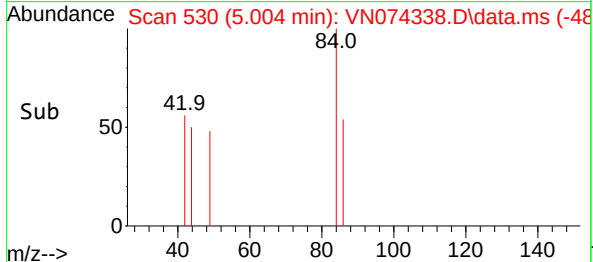
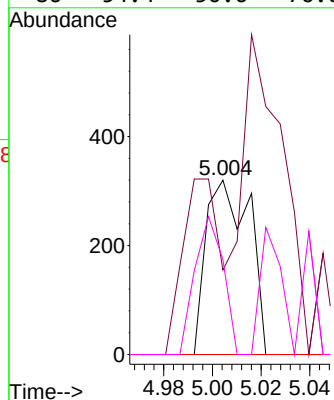
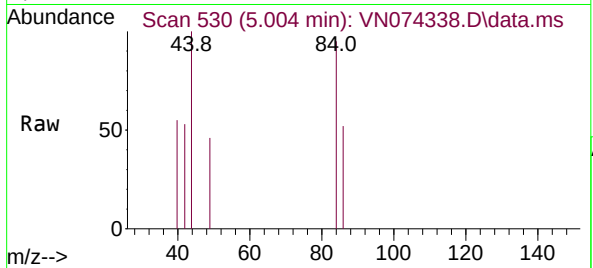




#20
Methylene Chloride
Concen: Below Cal
RT: 5.004 min Scan# 51
Delta R.T. -0.006 min
Lab File: VN074338.D
Acq: 03 Sep 2022 23:50

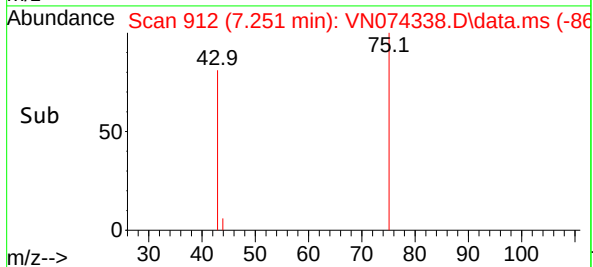
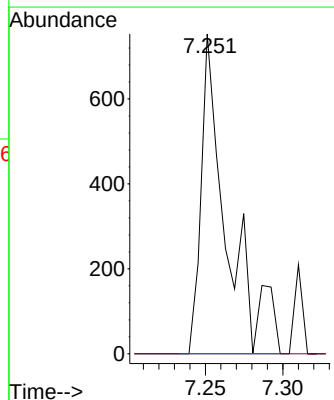
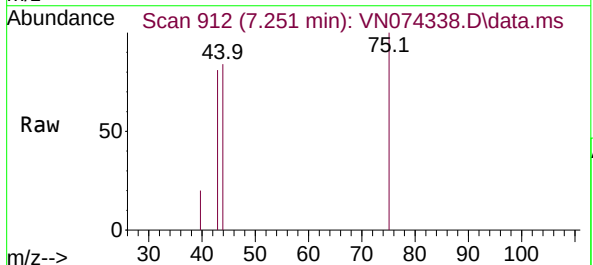
Instrument :
MSVOA_N
ClientSampleId :
MW-36

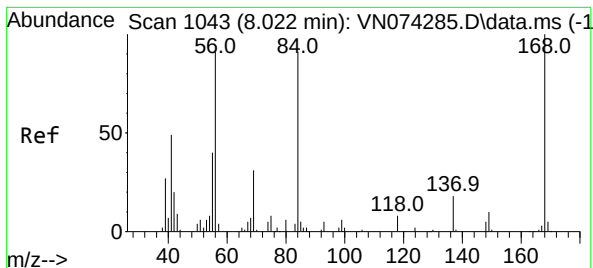
Tgt Ion:	84	Resp:	396
Ion	Ratio	Lower	Upper
84	100		
49	0.0	88.3	132.5#
51	0.0	28.2	42.2#
86	54.4	50.6	76.0



#25
2-Butanone
Concen: 0.254 ug/l
RT: 7.251 min Scan# 912
Delta R.T. -0.006 min
Lab File: VN074338.D
Acq: 03 Sep 2022 23:50

Tgt Ion:	43	Resp:	878
Ion	Ratio	Lower	Upper
43	100		
72	0.0	23.7	35.5#





#31

Cyclohexane

Concen: 1.430 ug/l

RT: 8.010 min Scan# 1041

Delta R.T. -0.012 min

Lab File: VN074338.D

Acq: 03 Sep 2022 23:50

Instrument :

MSVOA_N

ClientSampleId :

MW-36

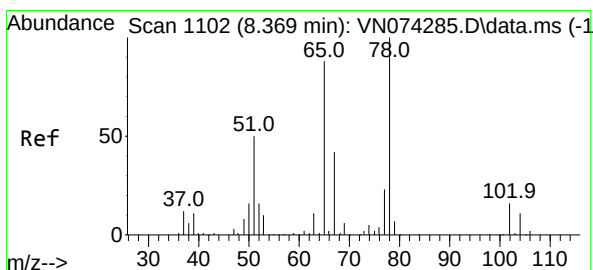
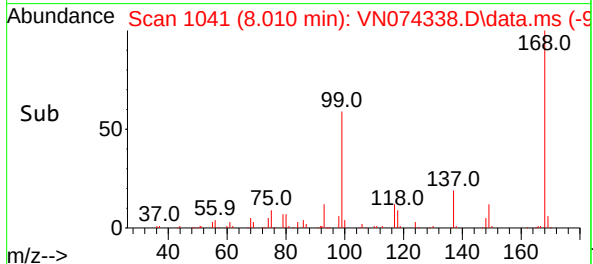
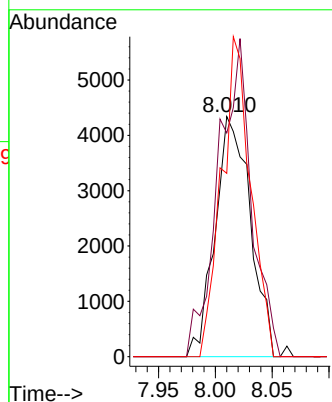
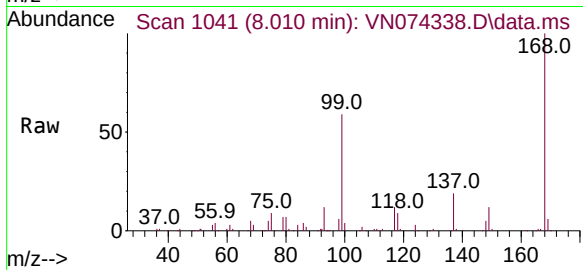
Tgt Ion: 56 Resp: 9342

Ion Ratio Lower Upper

56 100

69 93.2 27.8 41.8#

84 76.4 76.9 115.3#



#33

1,2-Dichloroethane-d4

Concen: 46.878 ug/l

RT: 8.369 min Scan# 1102

Delta R.T. -0.000 min

Lab File: VN074338.D

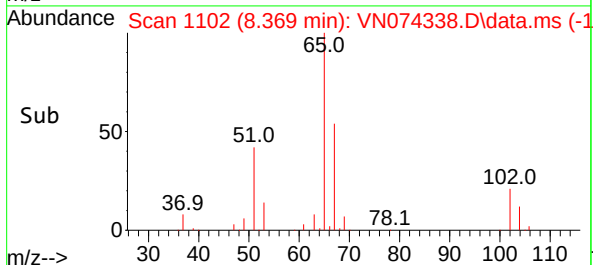
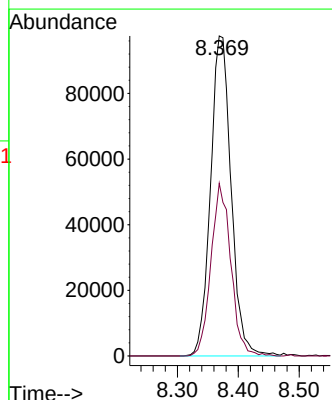
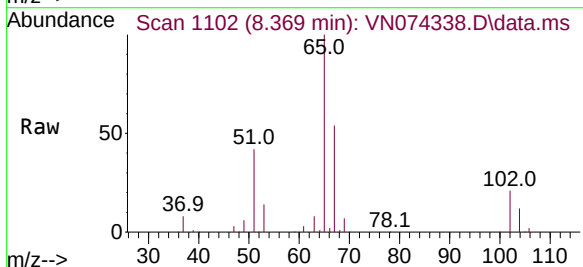
Acq: 03 Sep 2022 23:50

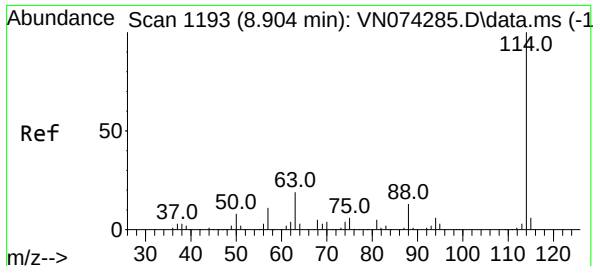
Tgt Ion: 65 Resp: 229280

Ion Ratio Lower Upper

65 100

67 51.9 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: VN074338.D

Acq: 03 Sep 2022 23:50

Instrument :

MSVOA_N

ClientSampleId :

MW-36

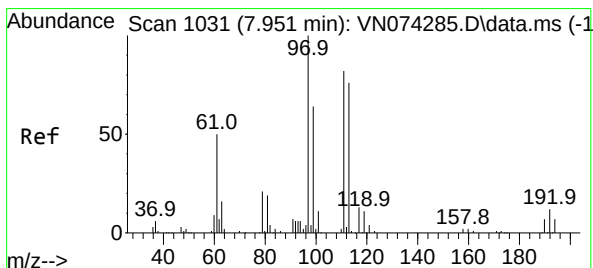
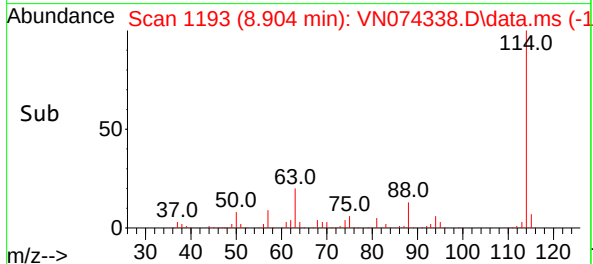
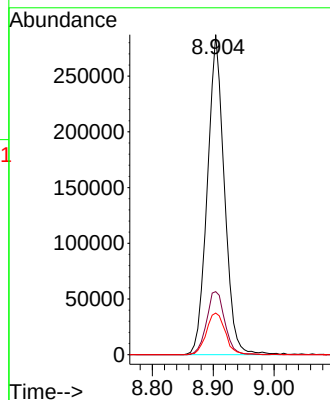
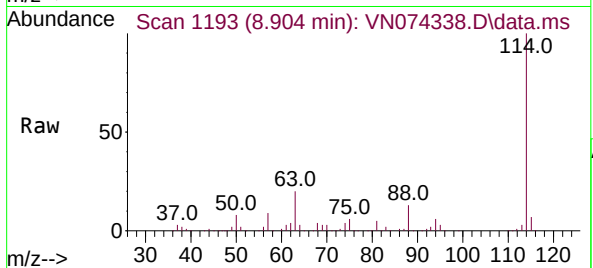
Tgt Ion:114 Resp: 557656

Ion Ratio Lower Upper

114 100

63 19.7 0.0 40.0

88 13.0 0.0 32.6



#35

Dibromofluoromethane

Concen: 54.320 ug/l

RT: 7.951 min Scan# 1031

Delta R.T. 0.000 min

Lab File: VN074338.D

Acq: 03 Sep 2022 23:50

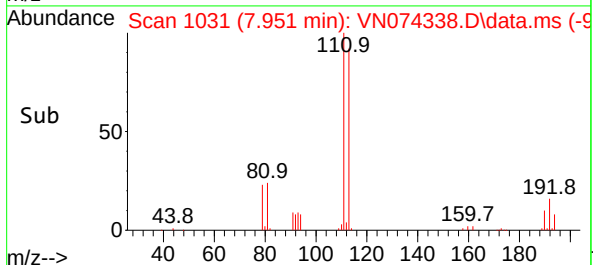
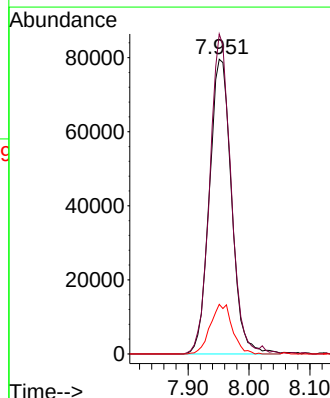
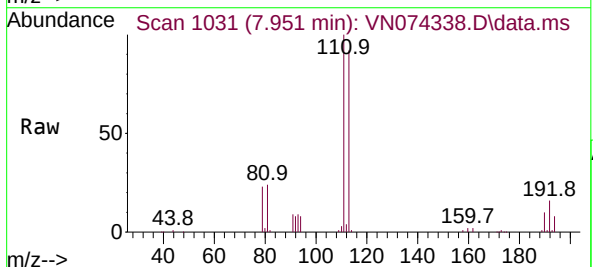
Tgt Ion:113 Resp: 200728

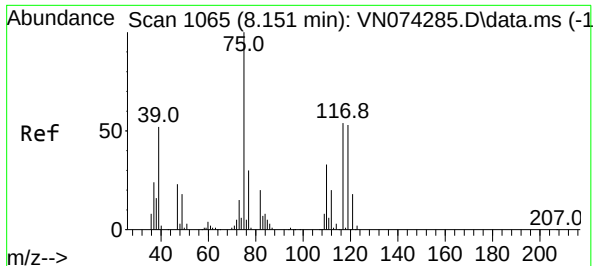
Ion Ratio Lower Upper

113 100

111 104.3 81.4 122.0

192 16.8 17.0 25.6#





#36

1,1-Dichloropropene

Concen: 5.629 ug/l

RT: 8.016 min Scan# 1042

Delta R.T. -0.141 min

Lab File: VN074338.D

Acq: 03 Sep 2022 23:50

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MW-36

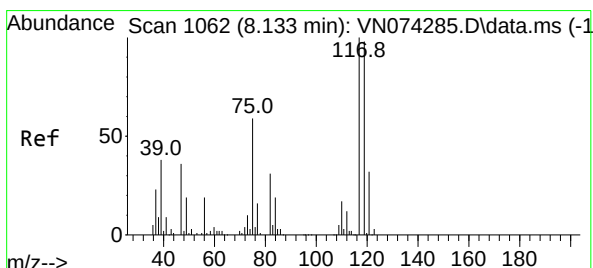
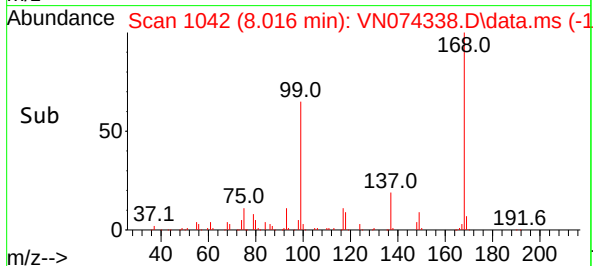
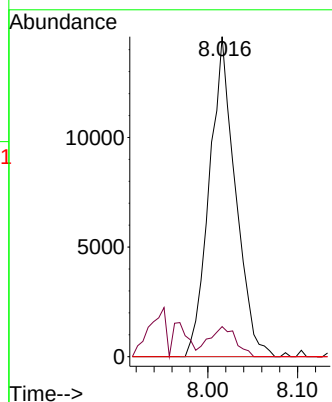
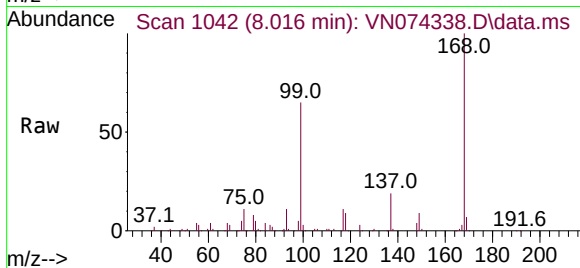
Tgt Ion: 75 Resp: 29522

Ion Ratio Lower Upper

75 100

110 9.6 18.3 54.8#

77 0.0 25.1 37.7#



#38

Carbon Tetrachloride

Concen: 6.338 ug/l

RT: 8.022 min Scan# 1043

Delta R.T. -0.111 min

Lab File: VN074338.D

Acq: 03 Sep 2022 23:50

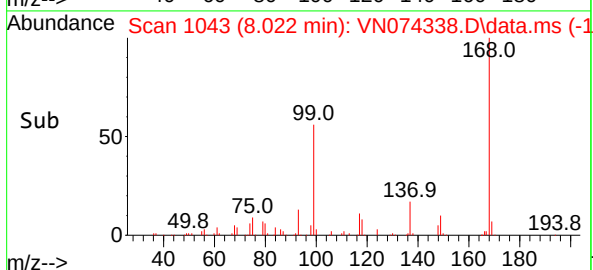
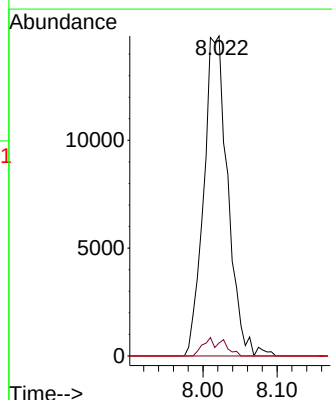
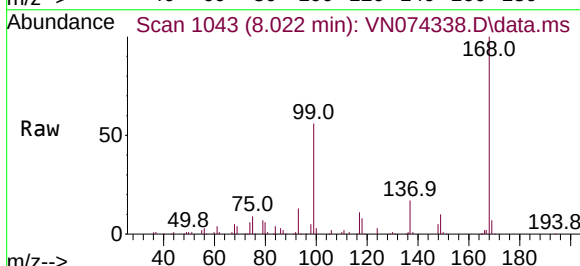
Tgt Ion: 117 Resp: 33580

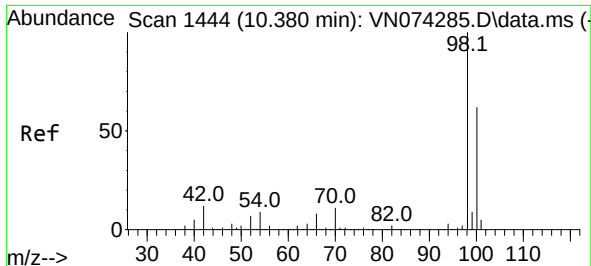
Ion Ratio Lower Upper

117 100

119 4.1 75.8 113.8#

121 0.0 24.6 37.0#

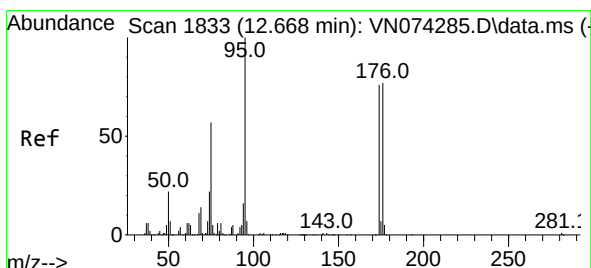
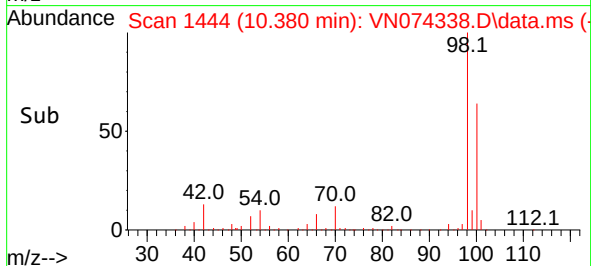
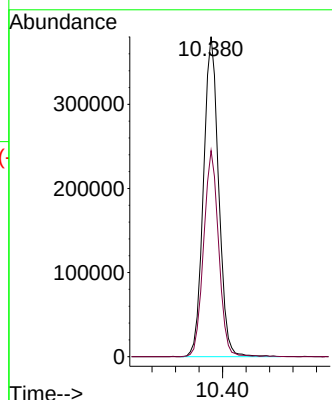
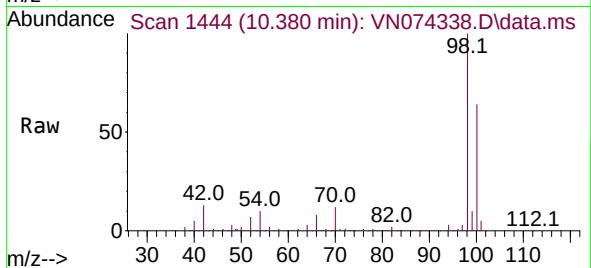




#50
Toluene-d8
Concen: 46.701 ug/l
RT: 10.380 min Scan# 1444
Delta R.T. 0.000 min
Lab File: VN074338.D
Acq: 03 Sep 2022 23:50

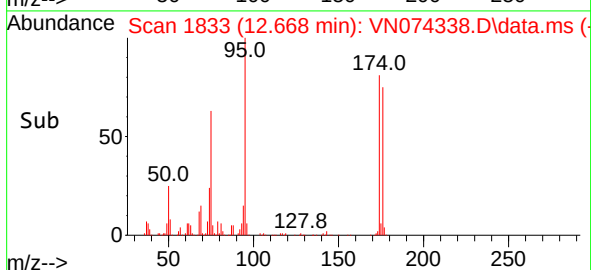
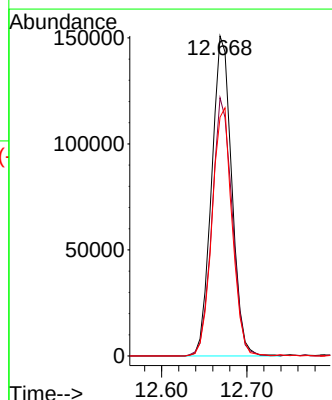
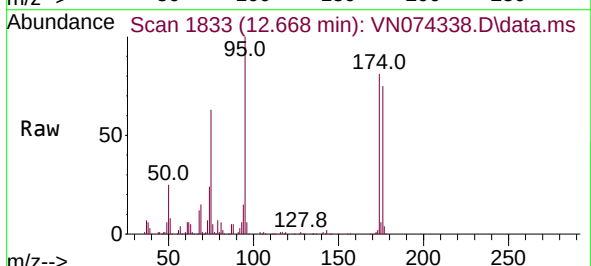
Instrument :
MSVOA_N
ClientSampleId :
MW-36

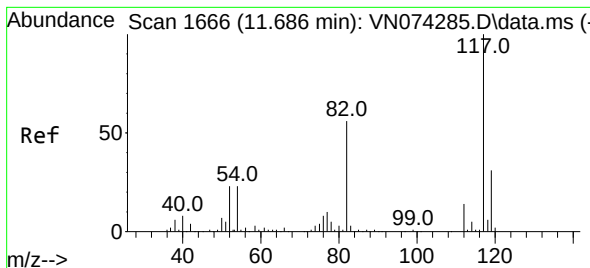
Tgt Ion: 98 Resp: 680496
Ion Ratio Lower Upper
98 100
100 63.7 52.6 78.8



#62
4-Bromofluorobenzene
Concen: 46.590 ug/l
RT: 12.668 min Scan# 1833
Delta R.T. -0.001 min
Lab File: VN074338.D
Acq: 03 Sep 2022 23:50

Tgt Ion: 95 Resp: 247319
Ion Ratio Lower Upper
95 100
174 80.9 0.0 167.6
176 77.5 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: VN074338.D

Acq: 03 Sep 2022 23:50

Instrument :

MSVOA_N

ClientSampleId :

MW-36

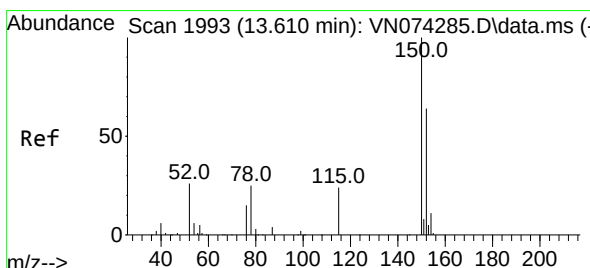
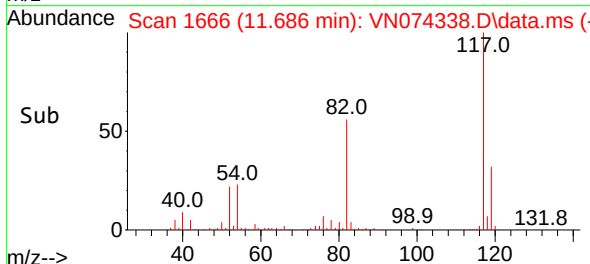
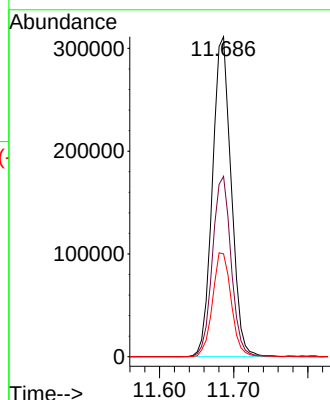
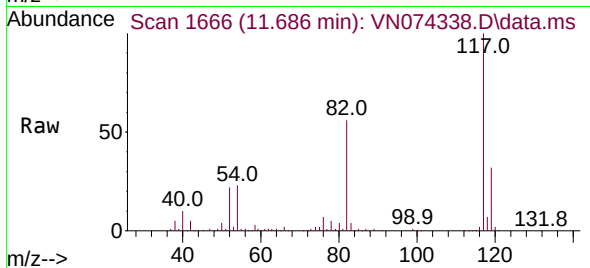
Tgt Ion:117 Resp: 547783

Ion Ratio Lower Upper

117 100

82 56.4 44.2 66.2

119 32.1 25.4 38.0



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.610 min Scan# 1993

Delta R.T. -0.000 min

Lab File: VN074338.D

Acq: 03 Sep 2022 23:50

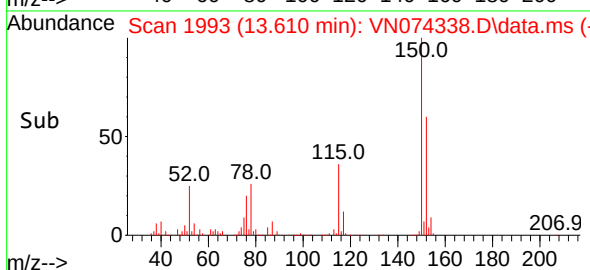
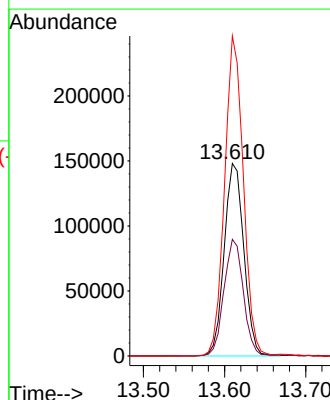
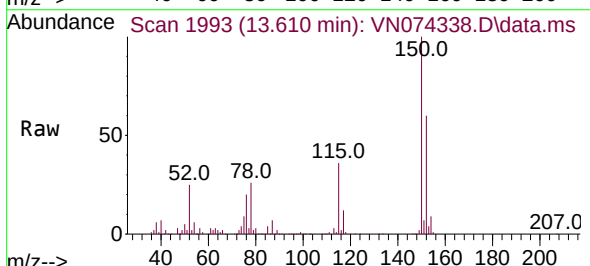
Tgt Ion:152 Resp: 249072

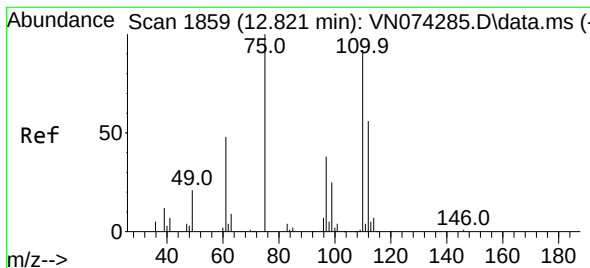
Ion Ratio Lower Upper

152 100

115 59.9 28.9 86.7

150 158.6 0.0 356.2





#76

1,2,3-Trichloropropane

Concen: 21.040 ug/l

RT: 12.668 min Scan# 1833

Delta R.T. -0.153 min

Lab File: VN074338.D

Acq: 03 Sep 2022 23:50

Instrument :

MSVOA_N

ClientSampleId :

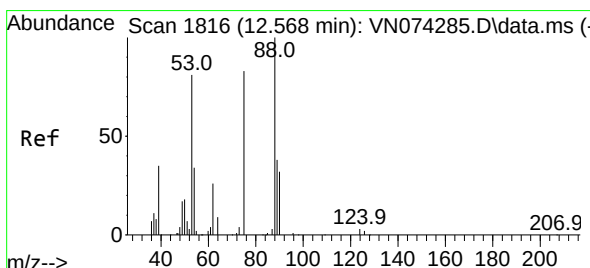
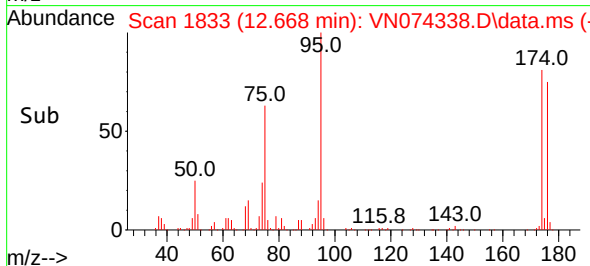
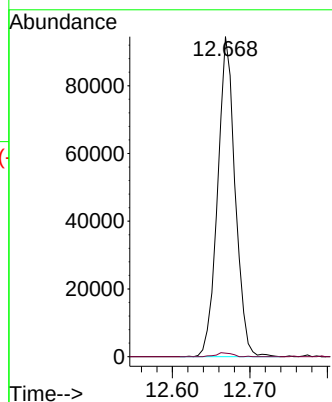
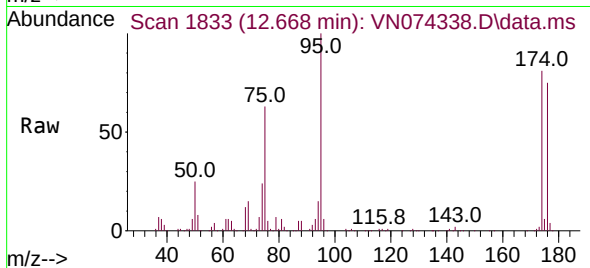
MW-36

Tgt Ion: 75 Resp: 148422

Ion Ratio Lower Upper

75 100

77 1.1 98.5 295.5#



#81

trans-1,4-Dichloro-2-butene

Concen: 68.302 ug/l

RT: 12.668 min Scan# 1833

Delta R.T. 0.105 min

Lab File: VN074338.D

Acq: 03 Sep 2022 23:50

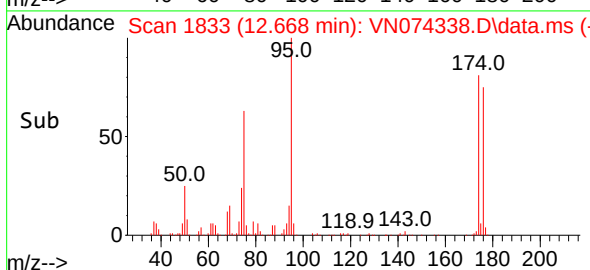
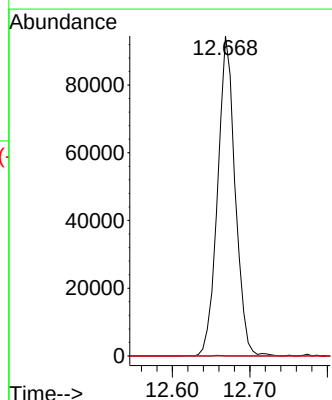
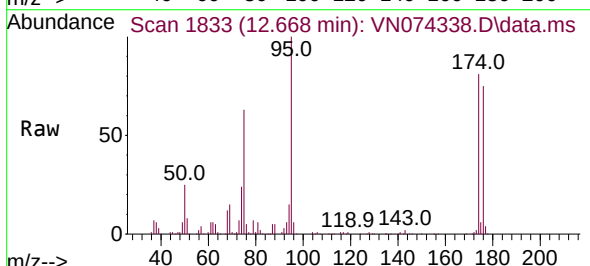
Tgt Ion: 75 Resp: 148422

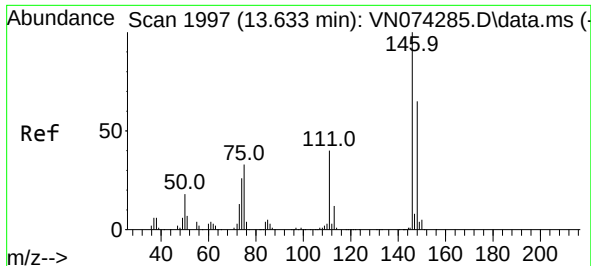
Ion Ratio Lower Upper

75 100

53 0.1 78.0 117.0#

89 0.0 37.2 55.8#

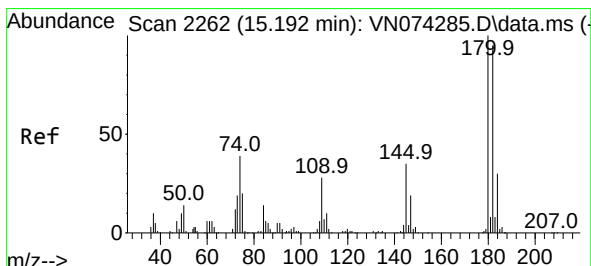
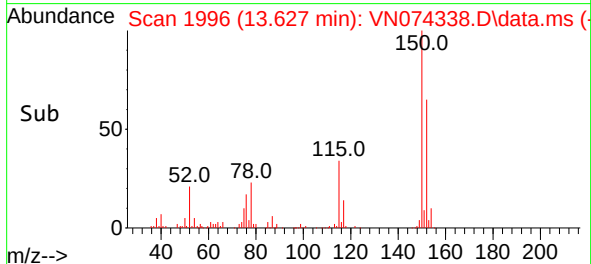
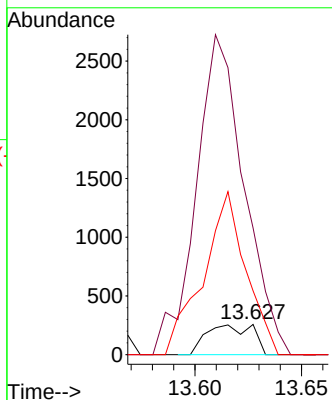
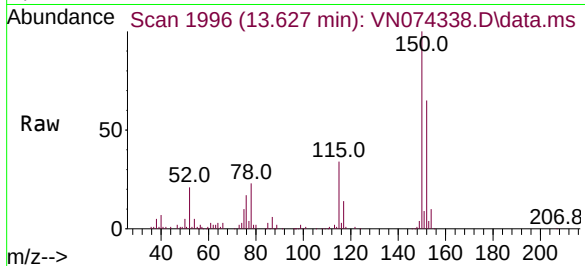




#88
1,4-Dichlorobenzene
Concen: 0.209 ug/l
RT: 13.627 min Scan# 1997
Delta R.T. -0.006 min
Lab File: VN074338.D
Acq: 03 Sep 2022 23:50

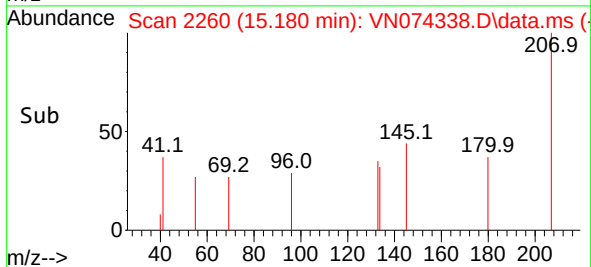
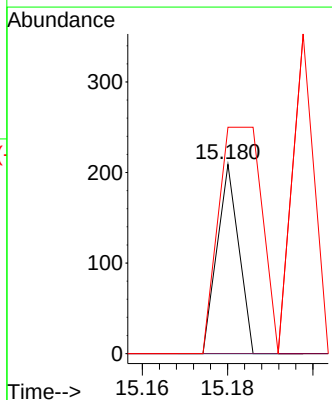
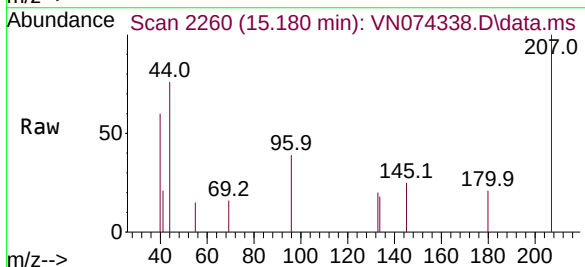
Instrument :
MSVOA_N
ClientSampleId :
MW-36

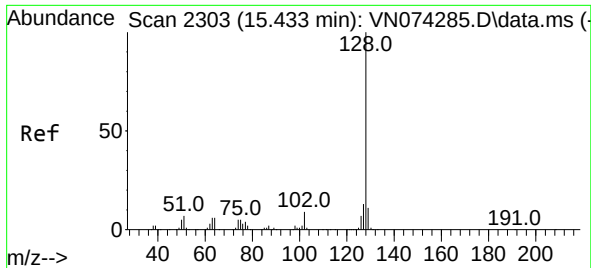
Tgt Ion:146 Resp: 382
Ion Ratio Lower Upper
146 100
111 1118.8 19.1 57.1#
148 507.1 31.4 94.3#



#93
1,2,4-Trichlorobenzene
Concen: 0.870 ug/l
RT: 15.180 min Scan# 2260
Delta R.T. -0.018 min
Lab File: VN074338.D
Acq: 03 Sep 2022 23:50

Tgt Ion:180 Resp: 74
Ion Ratio Lower Upper
180 100
182 0.0 47.5 142.5#
145 237.8 14.5 43.5#





#95

Naphthalene

Concen: 0.834 ug/l

RT: 15.433 min Scan# 21

Delta R.T. 0.000 min

Lab File: VN074338.D

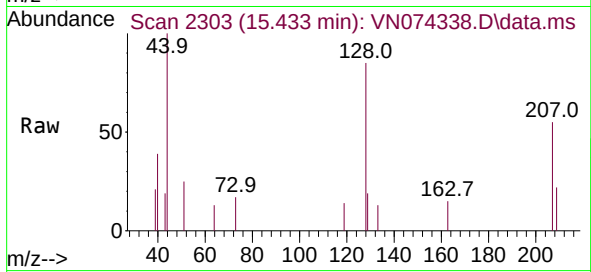
Acq: 03 Sep 2022 23:50

Instrument :

MSVOA_N

ClientSampleId :

MW-36



Tgt Ion:128 Resp: 1301

Ion Ratio Lower Upper

128 100

127 20.0 10.3 15.5#

129 22.4 8.6 13.0#

