

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN051122\
 Data File : VN072437.D
 Acq On : 12 May 2022 00:31
 Operator : JC\MD
 Sample : N2800-01
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 36 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 MW-11

Quant Time: May 12 02:19:06 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N051022W.M
 Quant Title : SW846 8260
 QLast Update : Tue May 10 15:43:28 2022
 Response via : Initial Calibration

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

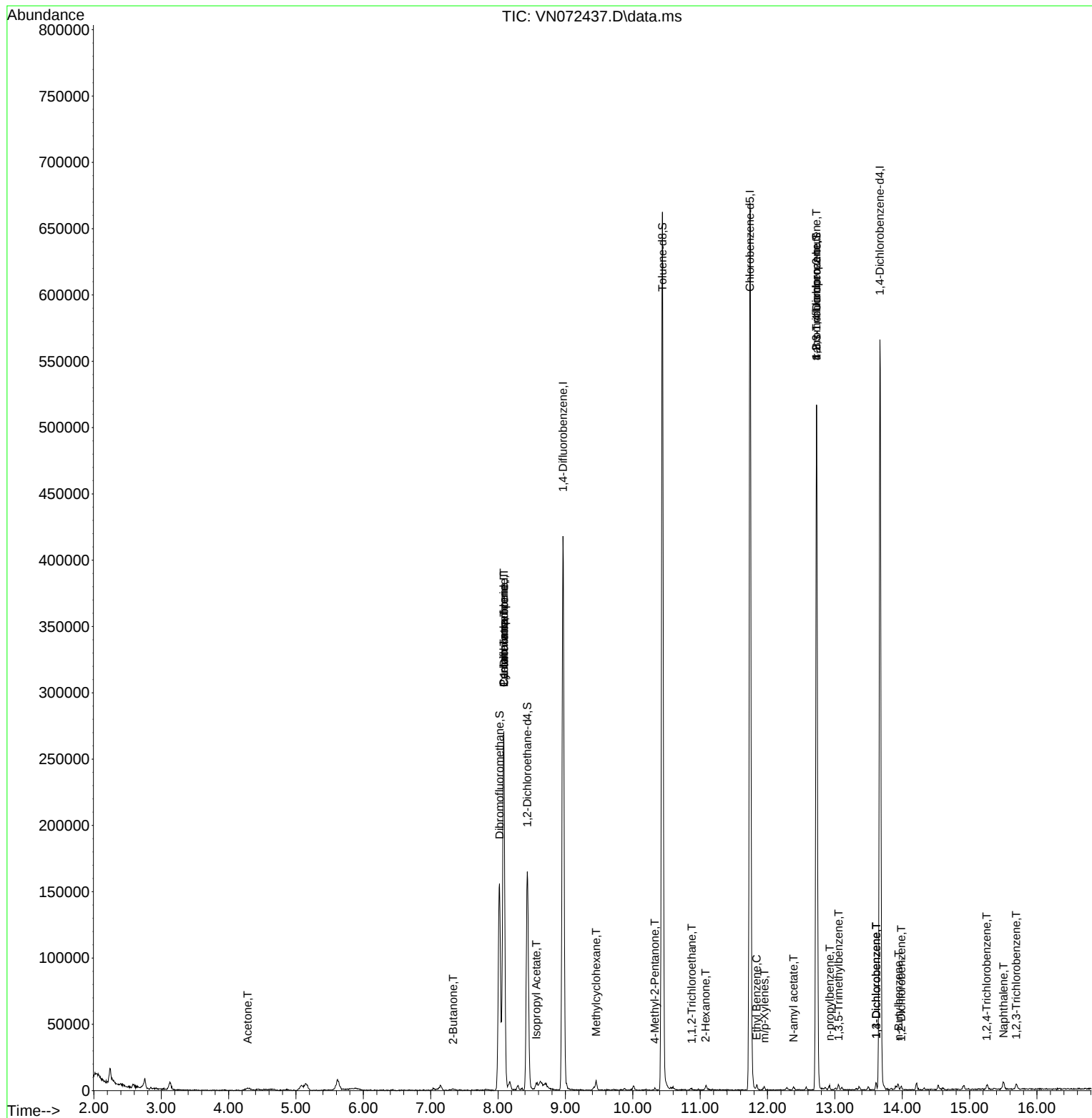
Internal Standards						
1) Pentafluorobenzene	8.086	168	193982	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.963	114	353790	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.739	117	380626	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.668	152	153810	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.433	65	150560	50.674	ug/l	0.00
Spiked Amount 50.000	Range 61 - 141		Recovery = 101.340%			
35) Dibromofluoromethane	8.022	113	113247	48.113	ug/l	0.00
Spiked Amount 50.000	Range 69 - 133		Recovery = 96.220%			
50) Toluene-d8	10.439	98	443993	49.529	ug/l	0.00
Spiked Amount 50.000	Range 65 - 126		Recovery = 99.060%			
62) 4-Bromofluorobenzene	12.727	95	172846	58.059	ug/l	0.00
Spiked Amount 50.000	Range 58 - 135		Recovery = 116.120%			
Target Compounds						
					Qvalue	
3) Chloromethane	2.299	50	608	Below Cal		100
6) Chloroethane	3.022	64	1014	Below Cal	#	42
16) Acetone	4.281	43	1592	1.353	ug/l #	73
25) 2-Butanone	7.334	43	788	0.424	ug/l #	45
31) Cyclohexane	8.086	56	5779	1.468	ug/l #	45
36) 1,1-Dichloropropene	8.086	75	15309	4.528	ug/l #	49
38) Carbon Tetrachloride	8.086	117	21368	5.648	ug/l #	18
39) Methylcyclohexane	9.457	83	2276	0.599	ug/l	95
43) Isopropyl Acetate	8.569	43	1618	0.260	ug/l #	53
51) 4-Methyl-2-Pentanone	10.327	43	1136	0.294	ug/l #	62
55) 1,1,2-Trichloroethane	10.874	97	577	0.222	ug/l #	16
59) 2-Hexanone	11.080	43	3301	1.217	ug/l	79
67) Ethyl Benzene	11.839	91	2708	0.202	ug/l #	82
68) m/p-Xylenes	11.957	106	1110	0.218	ug/l	97
74) N-amyl acetate	12.386	43	1408	0.313	ug/l #	78
76) 1,2,3-Trichloropropane	12.727	75	97835	24.388	ug/l #	1
78) n-propylbenzene	12.921	91	3115	0.228	ug/l	98
80) 1,3,5-Trimethylbenzene	13.057	105	2091	0.200	ug/l	99
81) trans-1,4-Dichloro-2-b...	12.727	75	97835	81.358	ug/l #	10
87) 1,3-Dichlorobenzene	13.615	146	1494	0.284	ug/l	92
88) 1,4-Dichlorobenzene	13.615	146	1494	0.286	ug/l	91
89) n-Butylbenzene	13.945	91	3322	0.458	ug/l	90
91) 1,2-Dichlorobenzene	13.986	146	1152	0.219	ug/l	80
93) 1,2,4-Trichlorobenzene	15.251	180	1651	0.830	ug/l #	12
95) Naphthalene	15.504	128	6820	4.045	ug/l #	96
96) 1,2,3-Trichlorobenzene	15.692	180	2295	1.151	ug/l	90

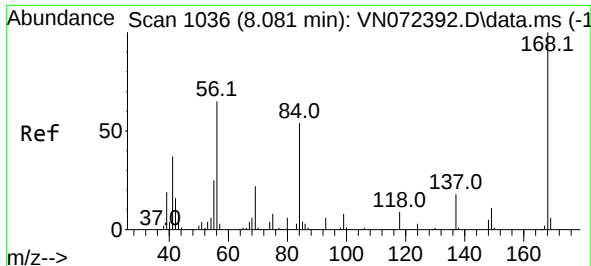
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Response via : Initial Calibration

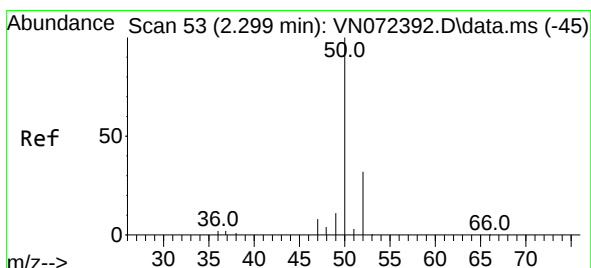
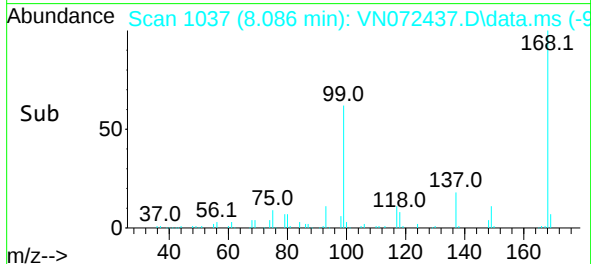
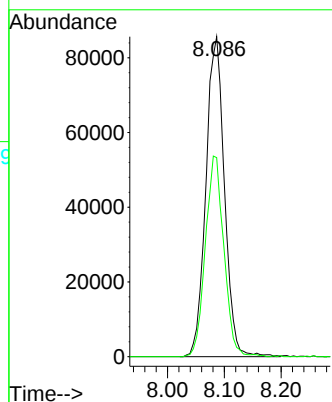
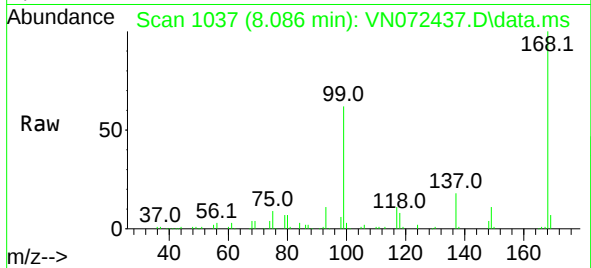




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.086 min Scan# 10
Delta R.T. 0.005 min
Lab File: VN072437.D
Acq: 12 May 2022 00:31

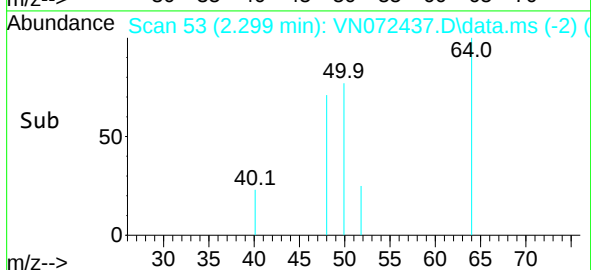
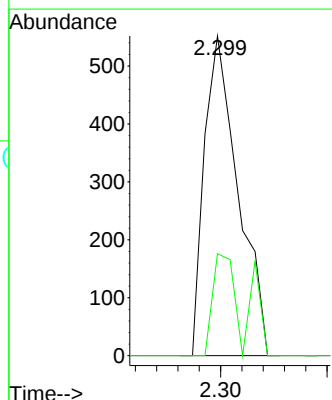
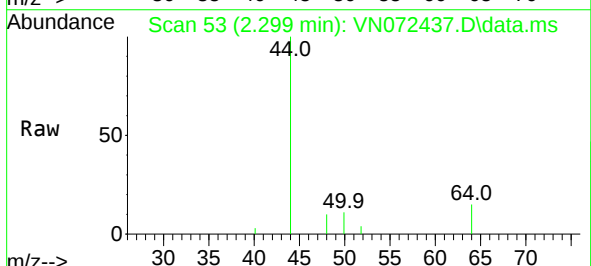
Instrument :
MSVOA_N
ClientSampleId :
MW-11

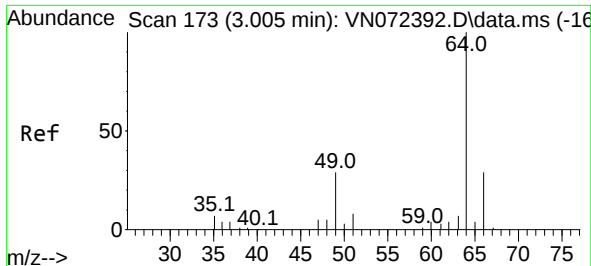
Tgt Ion:168 Resp: 193982
Ion Ratio Lower Upper
168 100
99 62.2 42.3 63.5



#3
Chloromethane
Concen: Below Cal
RT: 2.299 min Scan# 53
Delta R.T. -0.000 min
Lab File: VN072437.D
Acq: 12 May 2022 00:31

Tgt Ion: 50 Resp: 608
Ion Ratio Lower Upper
50 100
52 31.9 25.7 38.5

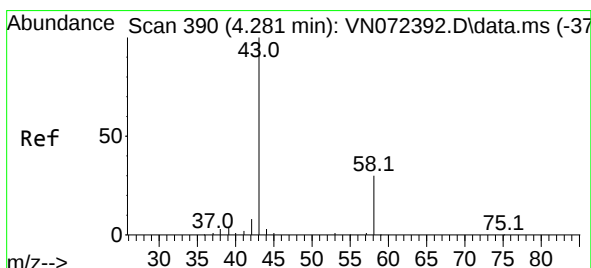
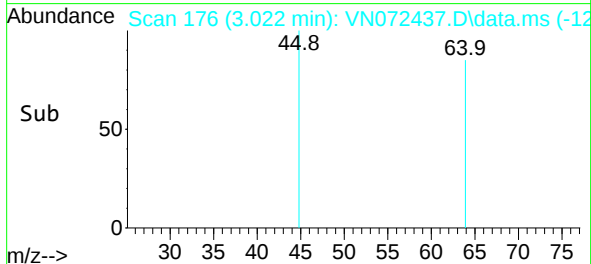
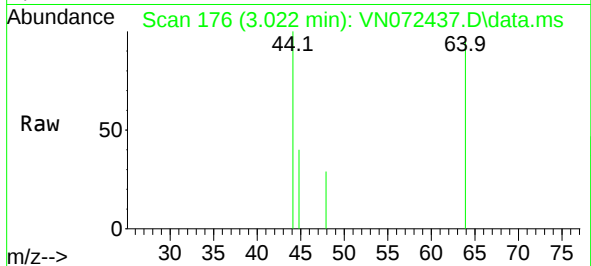




#6
Chloroethane
Concen: Below Cal
RT: 3.022 min Scan# 11
Delta R.T. 0.017 min
Lab File: VN072437.D
Acq: 12 May 2022 00:31

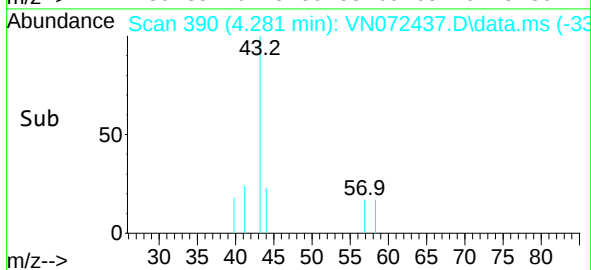
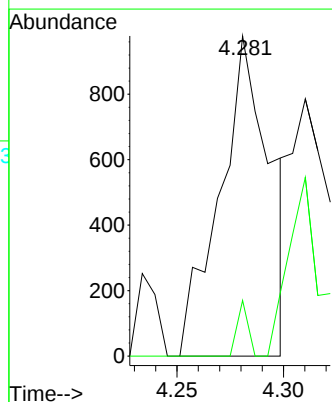
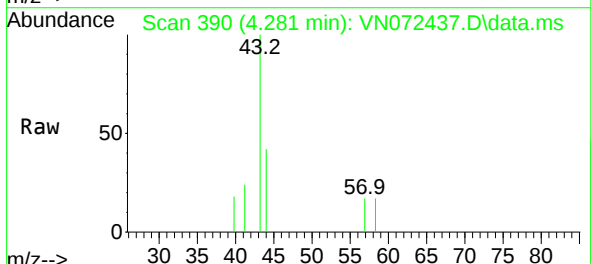
Instrument :
MSVOA_N
ClientSampleId :
MW-11

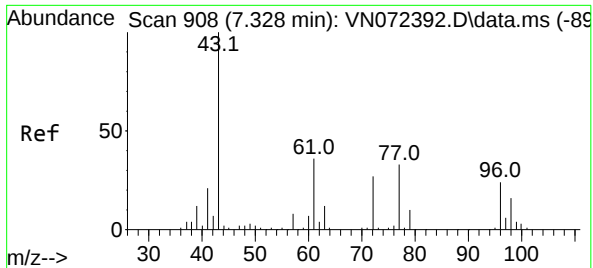
Tgt Ion: 64 Resp: 1014
Ion Ratio Lower Upper
64 100
66 0.0 26.2 39.4#



#16
Acetone
Concen: 1.353 ug/l
RT: 4.281 min Scan# 390
Delta R.T. -0.000 min
Lab File: VN072437.D
Acq: 12 May 2022 00:31

Tgt Ion: 43 Resp: 1592
Ion Ratio Lower Upper
43 100
58 17.4 26.0 39.0#

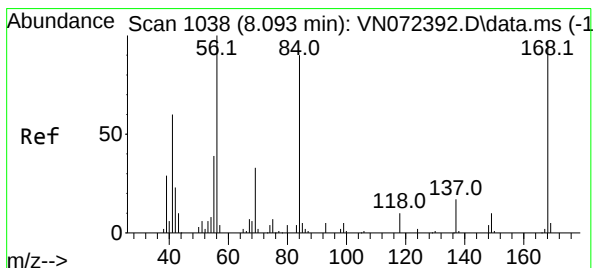
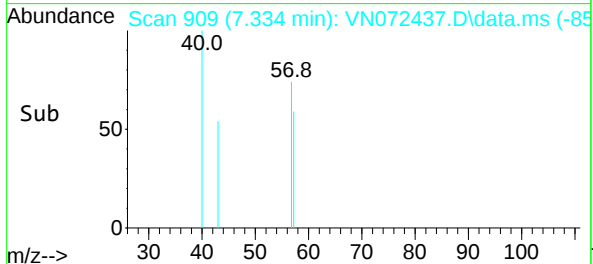
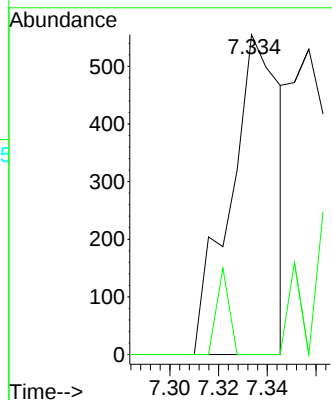
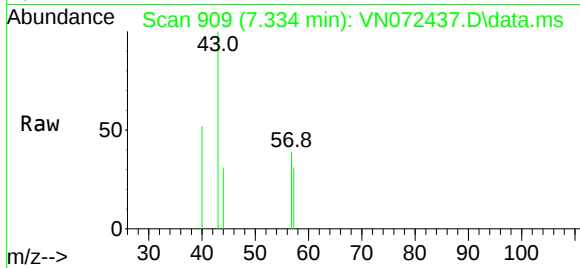




#25
2-Butanone
Concen: 0.424 ug/l
RT: 7.334 min Scan# 908
Delta R.T. 0.006 min
Lab File: VN072437.D
Acq: 12 May 2022 00:31

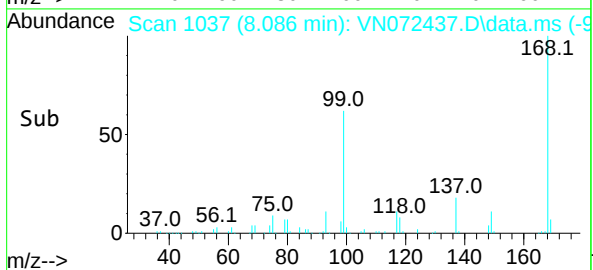
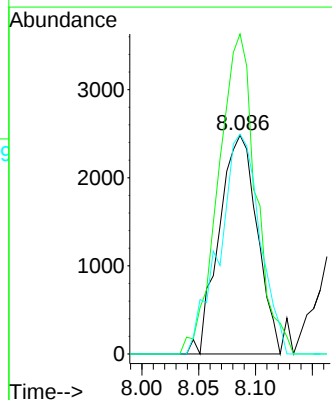
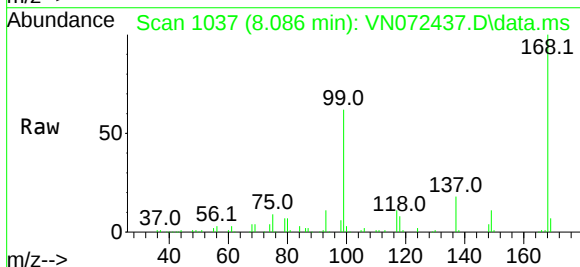
Instrument :
MSVOA_N
ClientSampleId :
MW-11

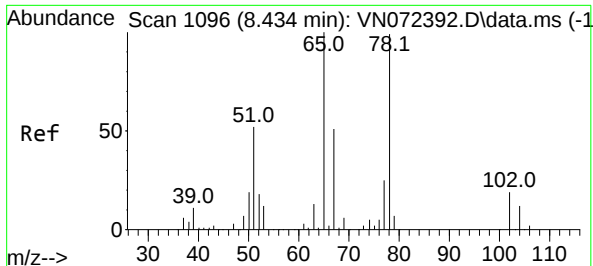
Tgt Ion: 43 Resp: 788
Ion Ratio Lower Upper
43 100
72 0.0 23.7 35.5#



#31
Cyclohexane
Concen: 1.468 ug/l
RT: 8.086 min Scan# 1037
Delta R.T. -0.007 min
Lab File: VN072437.D
Acq: 12 May 2022 00:31

Tgt Ion: 56 Resp: 5779
Ion Ratio Lower Upper
56 100
69 146.3 27.8 41.8#
84 100.5 76.9 115.3





#33

1,2-Dichloroethane-d4

Concen: 50.674 ug/l

RT: 8.433 min Scan# 1109

Delta R.T. -0.001 min

Lab File: VN072437.D

Acq: 12 May 2022 00:31

Instrument :

MSVOA_N

ClientSampleId :

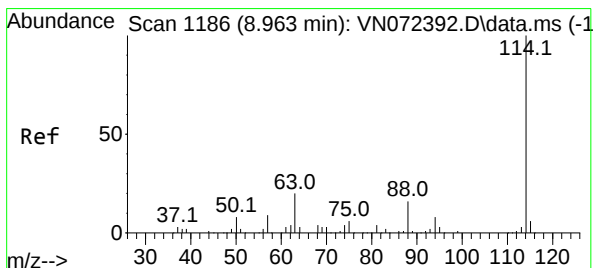
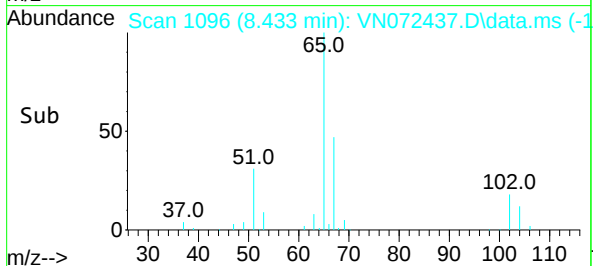
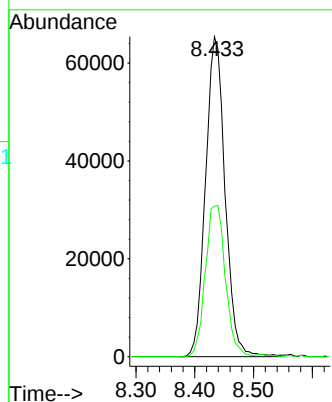
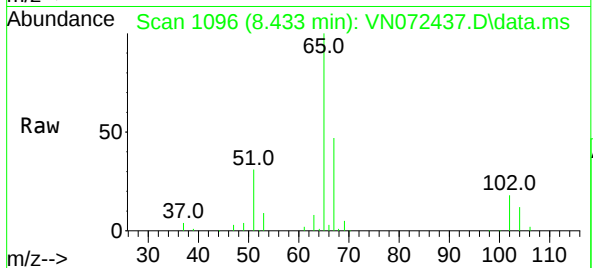
MW-11

Tgt Ion: 65 Resp: 150560

Ion Ratio Lower Upper

65 100

67 48.6 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: VN072437.D

Acq: 12 May 2022 00:31

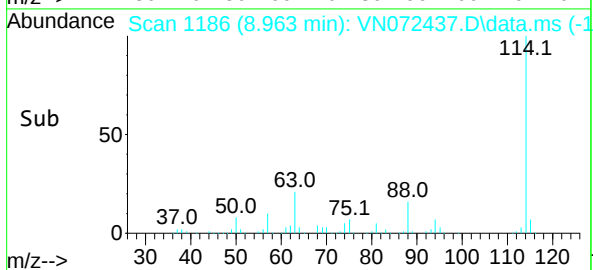
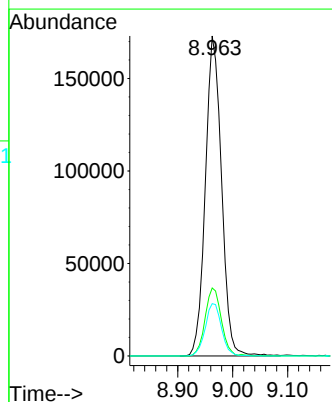
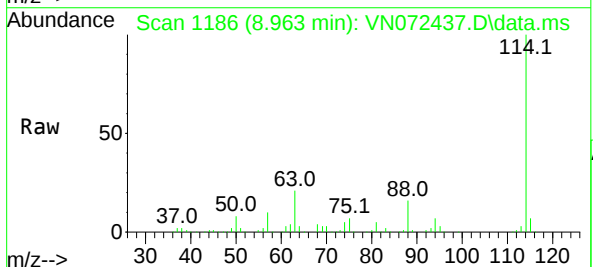
Tgt Ion: 114 Resp: 353790

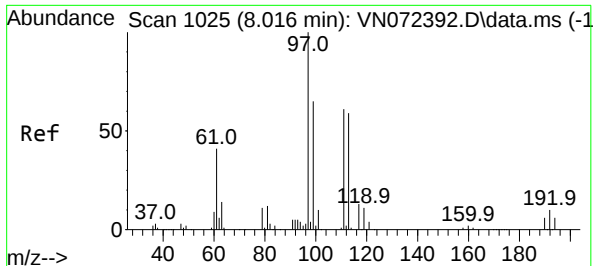
Ion Ratio Lower Upper

114 100

63 21.2 0.0 40.0

88 16.3 0.0 32.6





#35

Dibromofluoromethane

Concen: 48.113 ug/l

RT: 8.022 min Scan# 1026

Delta R.T. 0.006 min

Lab File: VN072437.D

Acq: 12 May 2022 00:31

Instrument :

MSVOA_N

ClientSampleId :

MW-11

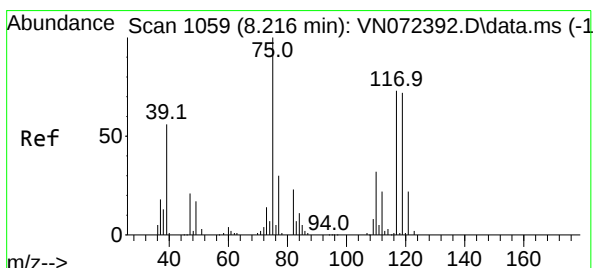
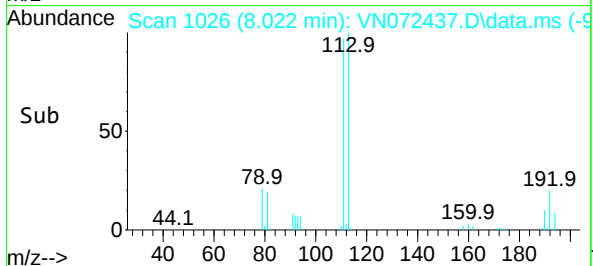
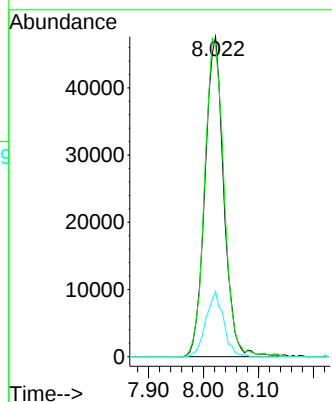
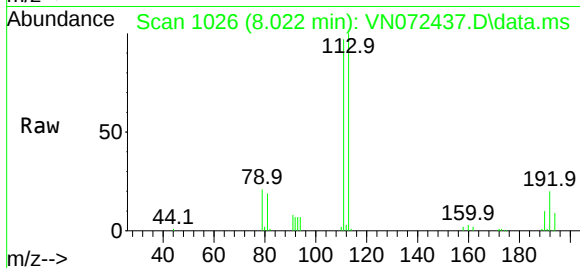
Tgt Ion:113 Resp: 113247

Ion Ratio Lower Upper

113 100

111 102.0 81.4 122.0

192 19.2 17.0 25.6



#36

1,1-Dichloropropene

Concen: 4.528 ug/l

RT: 8.086 min Scan# 1037

Delta R.T. -0.130 min

Lab File: VN072437.D

Acq: 12 May 2022 00:31

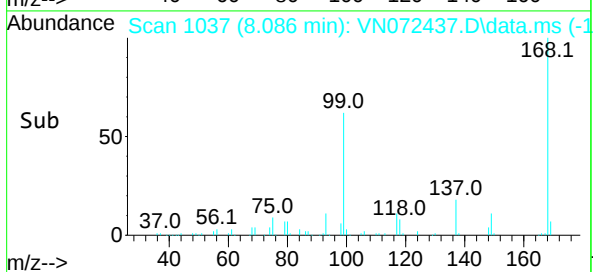
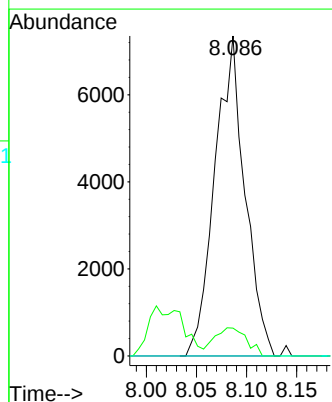
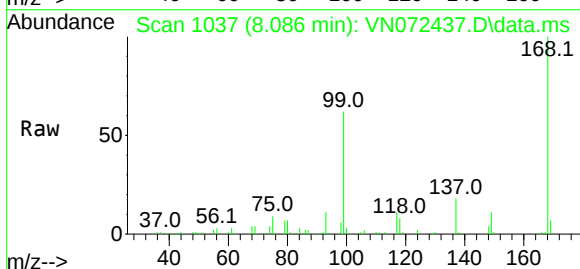
Tgt Ion: 75 Resp: 15309

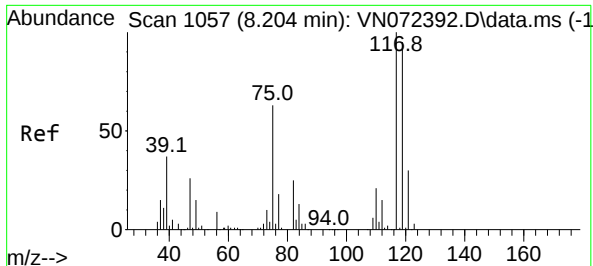
Ion Ratio Lower Upper

75 100

110 9.3 18.3 54.8#

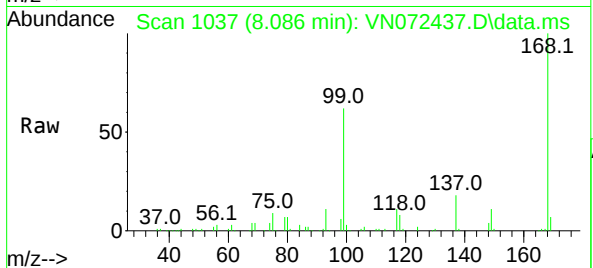
77 0.0 25.1 37.7#



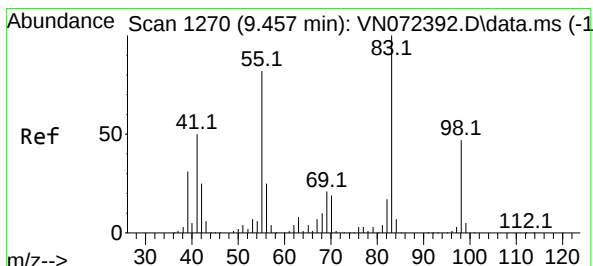
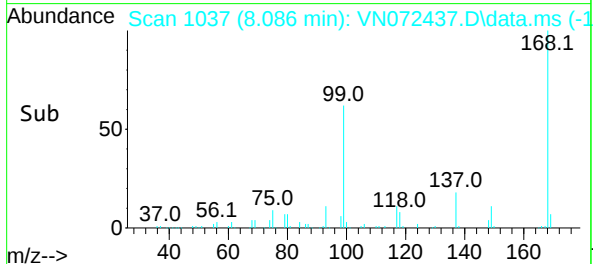
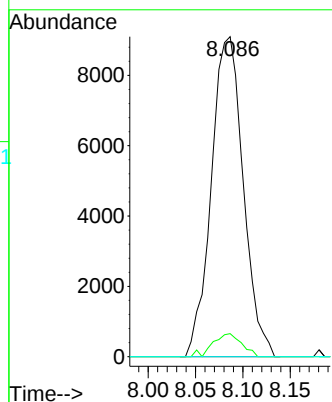


#38
Carbon Tetrachloride
Concen: 5.648 ug/l
RT: 8.086 min Scan# 11
Delta R.T. -0.118 min
Lab File: VN072437.D
Acq: 12 May 2022 00:31

Instrument :
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ClientSampleId :
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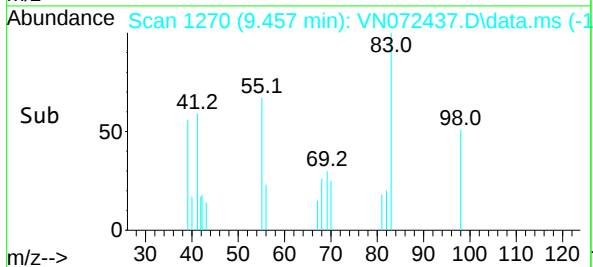
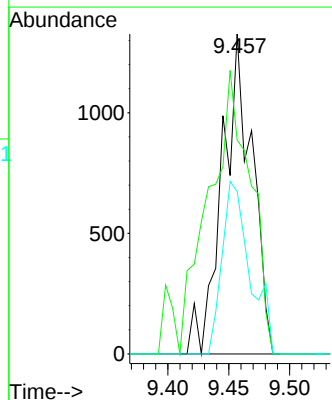
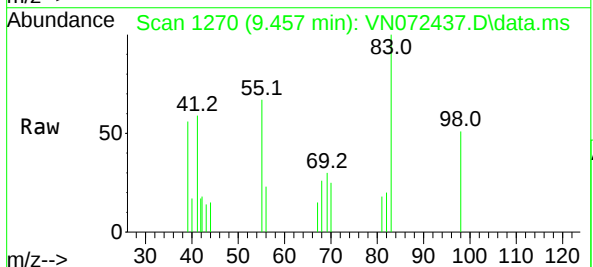


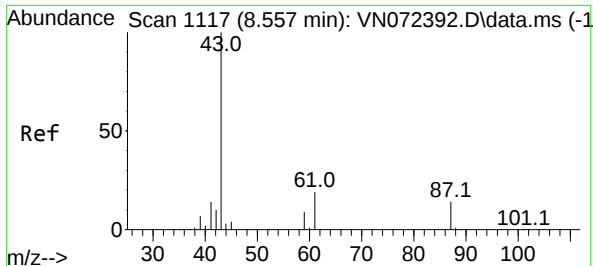
Tgt Ion:117 Resp: 21368
Ion Ratio Lower Upper
117 100
119 7.2 75.8 113.8#
121 0.0 24.6 37.0#



#39
Methylcyclohexane
Concen: 0.599 ug/l
RT: 9.457 min Scan# 1270
Delta R.T. -0.000 min
Lab File: VN072437.D
Acq: 12 May 2022 00:31

Tgt Ion: 83 Resp: 2276
Ion Ratio Lower Upper
83 100
55 66.8 57.8 86.8
98 50.8 39.4 59.2





#43

Isopropyl Acetate

Concen: 0.260 ug/l

RT: 8.569 min Scan# 1117

Delta R.T. 0.012 min

Lab File: VN072437.D

Acq: 12 May 2022 00:31

Instrument :

MSVOA_N

ClientSampleId :

MW-11

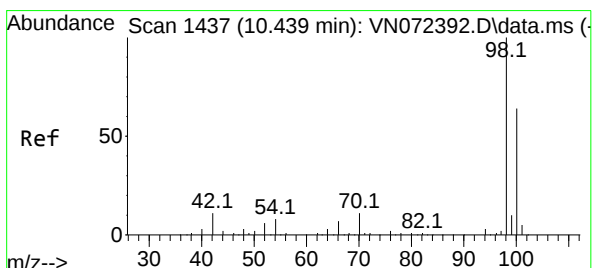
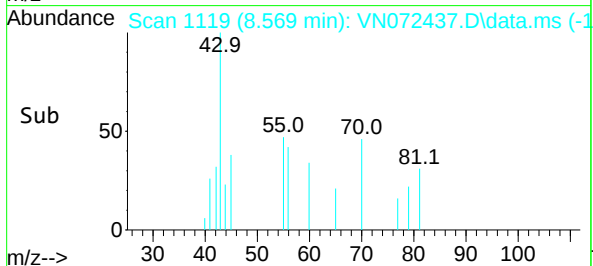
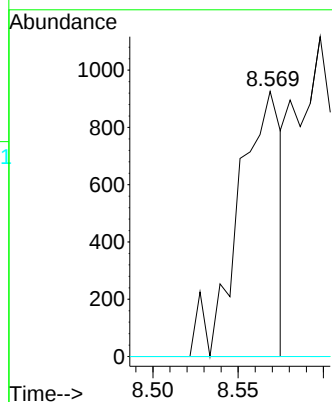
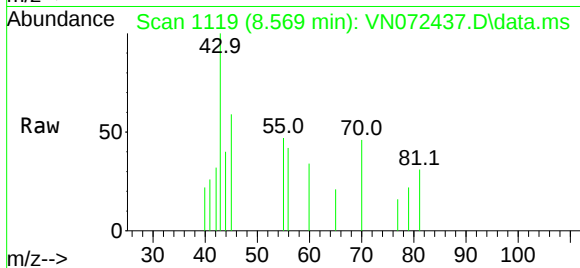
Tgt Ion: 43 Resp: 1618

Ion Ratio Lower Upper

43 100

61 0.0 21.9 32.9#

87 0.0 12.0 18.0#



#50

Toluene-d8

Concen: 49.529 ug/l

RT: 10.439 min Scan# 1437

Delta R.T. 0.000 min

Lab File: VN072437.D

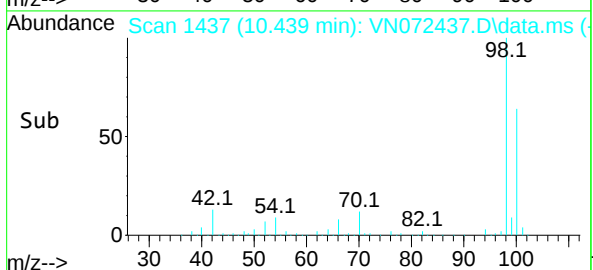
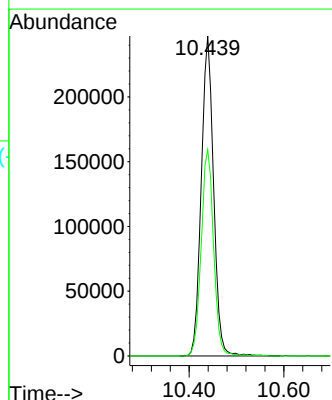
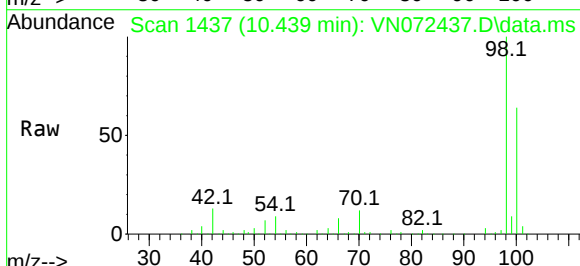
Acq: 12 May 2022 00:31

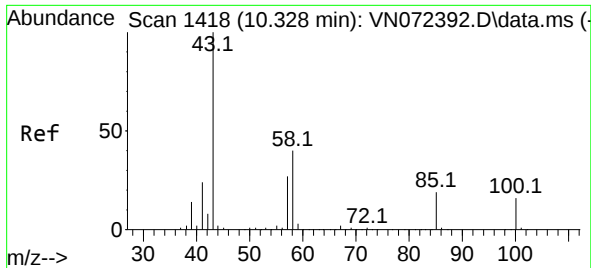
Tgt Ion: 98 Resp: 443993

Ion Ratio Lower Upper

98 100

100 65.0 52.6 78.8

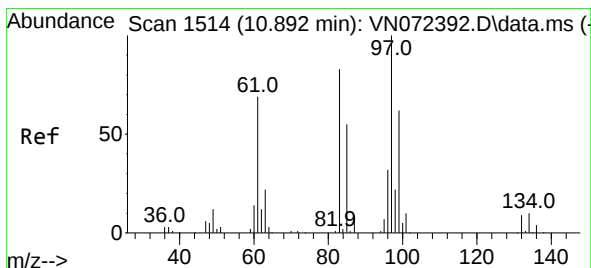
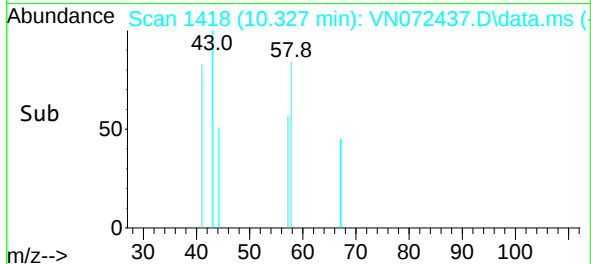
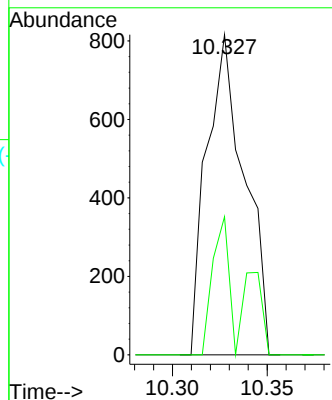
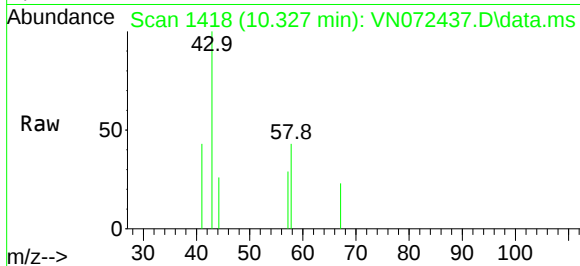




#51
4-Methyl-2-Pentanone
Concen: 0.294 ug/l
RT: 10.327 min Scan# 1418
Delta R.T. -0.001 min
Lab File: VN072437.D
Acq: 12 May 2022 00:31

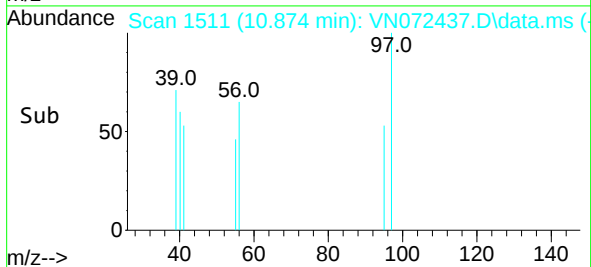
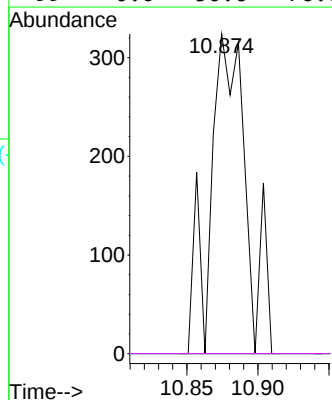
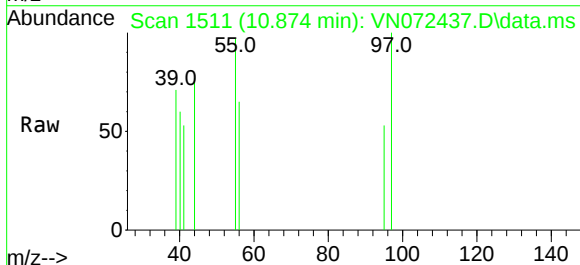
Instrument :
MSVOA_N
ClientSampleId :
MW-11

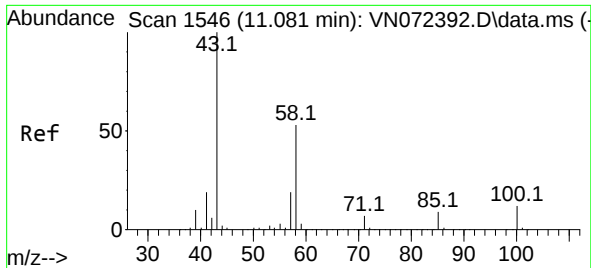
Tgt Ion: 43 Resp: 1136
Ion Ratio Lower Upper
43 100
58 18.6 34.1 51.1#



#55
1,1,2-Trichloroethane
Concen: 0.222 ug/l
RT: 10.874 min Scan# 1511
Delta R.T. -0.018 min
Lab File: VN072437.D
Acq: 12 May 2022 00:31

Tgt Ion: 97 Resp: 577
Ion Ratio Lower Upper
97 100
83 0.0 66.2 99.4#
85 0.0 43.9 65.9#
99 0.0 50.6 76.0#

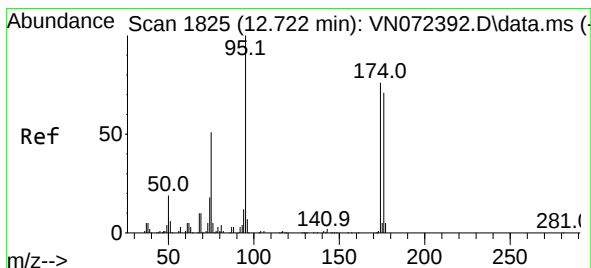
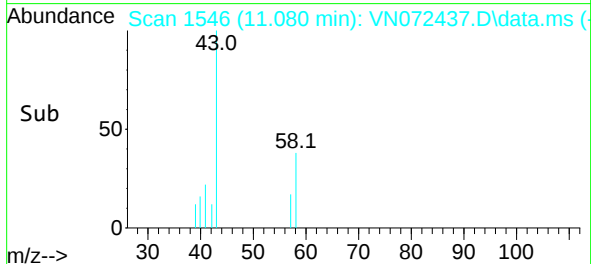
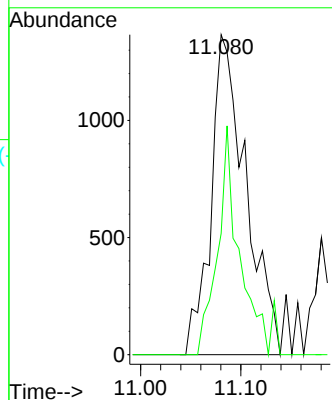
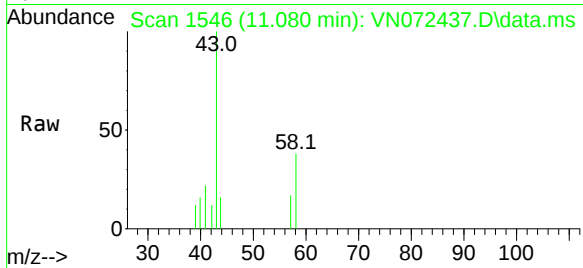




#59
2-Hexanone
Concen: 1.217 ug/l
RT: 11.080 min Scan# 11
Delta R.T. -0.001 min
Lab File: VN072437.D
Acq: 12 May 2022 00:31

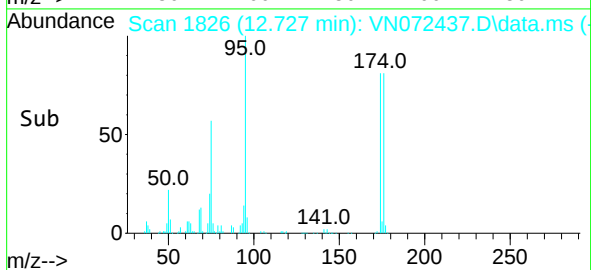
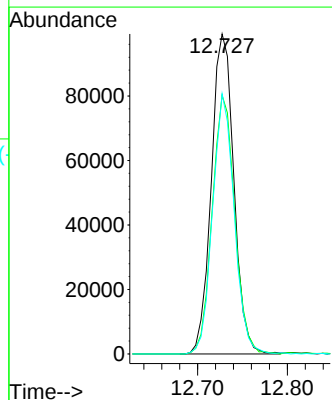
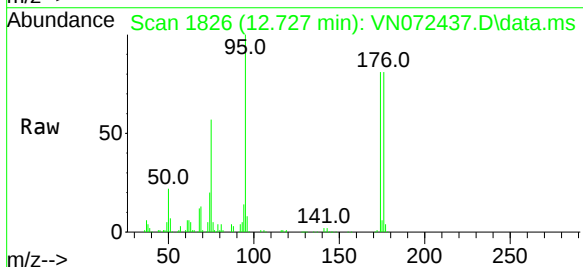
Instrument :
MSVOA_N
ClientSampleId :
MW-11

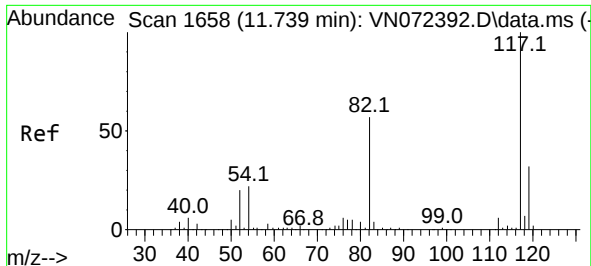
Tgt Ion: 43 Resp: 3301
Ion Ratio Lower Upper
43 100
58 43.6 29.7 89.1



#62
4-Bromofluorobenzene
Concen: 58.059 ug/l
RT: 12.727 min Scan# 1826
Delta R.T. 0.005 min
Lab File: VN072437.D
Acq: 12 May 2022 00:31

Tgt Ion: 95 Resp: 172846
Ion Ratio Lower Upper
95 100
174 80.8 0.0 167.6
176 78.2 0.0 163.4

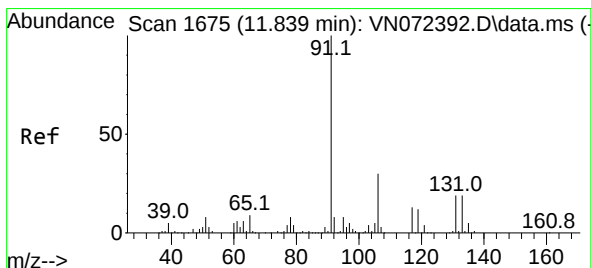
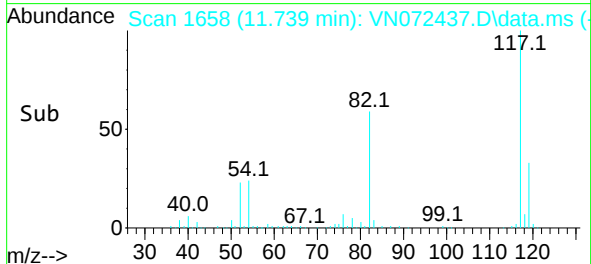
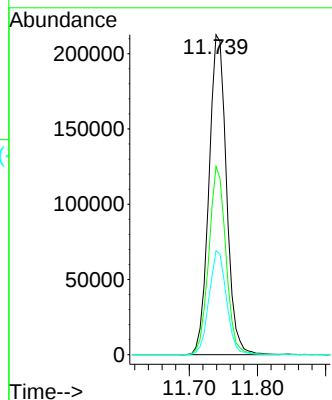
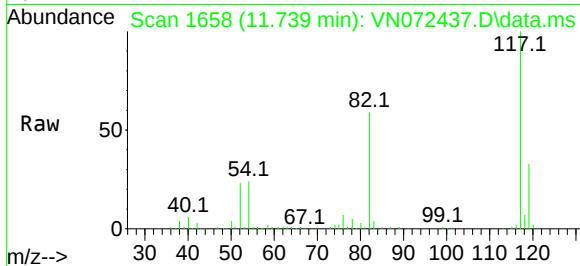




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.739 min Scan# 1658
Delta R.T. 0.000 min
Lab File: VN072437.D
Acq: 12 May 2022 00:31

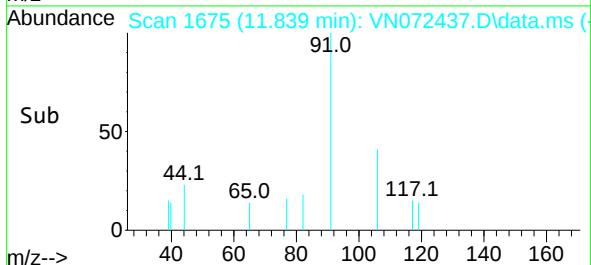
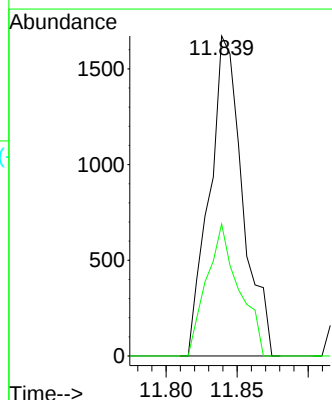
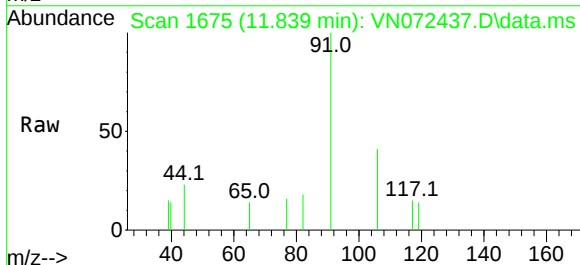
Instrument :
MSVOA_N
ClientSampleId :
MW-11

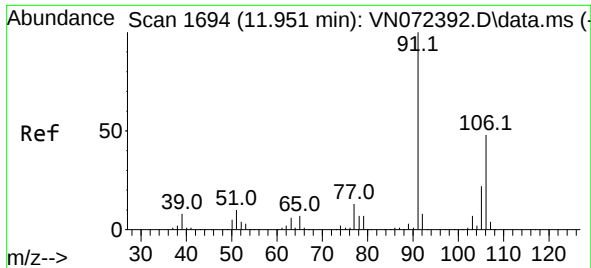
Tgt Ion:117 Resp: 380626
Ion Ratio Lower Upper
117 100
82 58.8 44.2 66.2
119 32.5 25.4 38.0



#67
Ethyl Benzene
Concen: 0.202 ug/l
RT: 11.839 min Scan# 1675
Delta R.T. 0.000 min
Lab File: VN072437.D
Acq: 12 May 2022 00:31

Tgt Ion: 91 Resp: 2708
Ion Ratio Lower Upper
91 100
106 41.3 24.9 37.3#

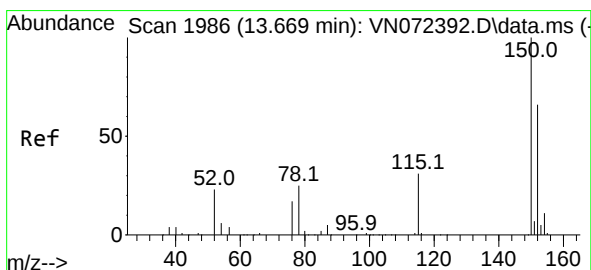
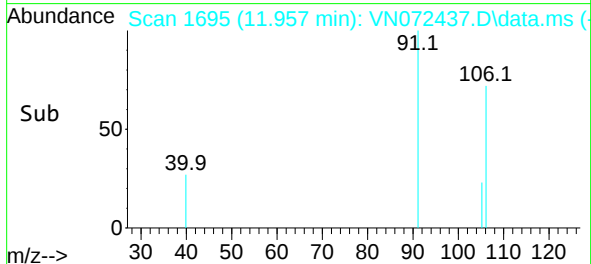
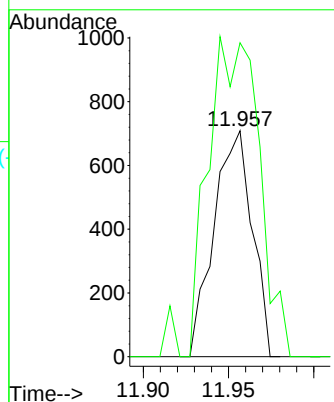
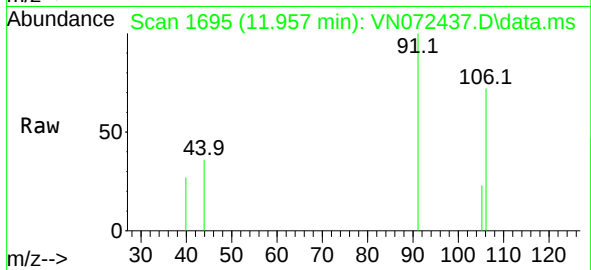




#68
m/p-Xylenes
Concen: 0.218 ug/l
RT: 11.957 min Scan# 1
Delta R.T. 0.006 min
Lab File: VN072437.D
Acq: 12 May 2022 00:31

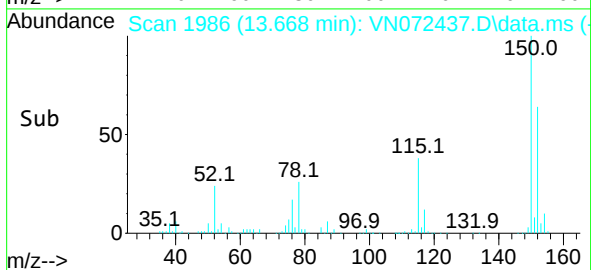
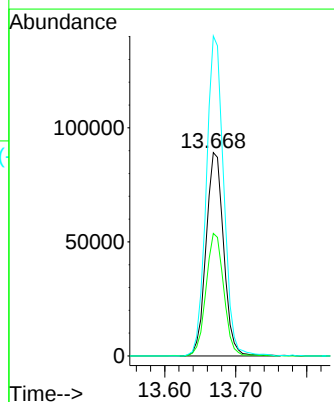
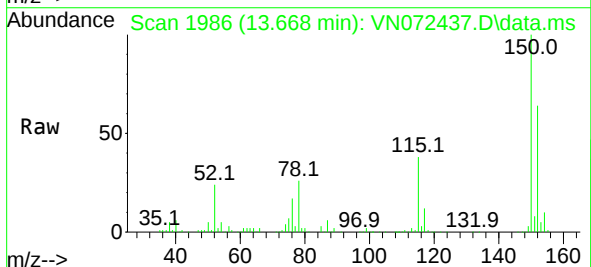
Instrument :
MSVOA_N
ClientSampleId :
MW-11

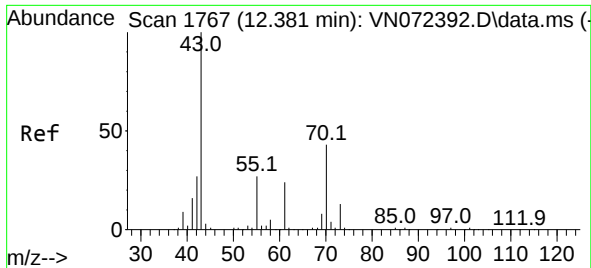
Tgt Ion:106 Resp: 1110
Ion Ratio Lower Upper
106 100
91 193.3 158.9 238.3



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.668 min Scan# 1986
Delta R.T. -0.001 min
Lab File: VN072437.D
Acq: 12 May 2022 00:31

Tgt Ion:152 Resp: 153810
Ion Ratio Lower Upper
152 100
115 60.9 28.9 86.7
150 155.8 0.0 356.2

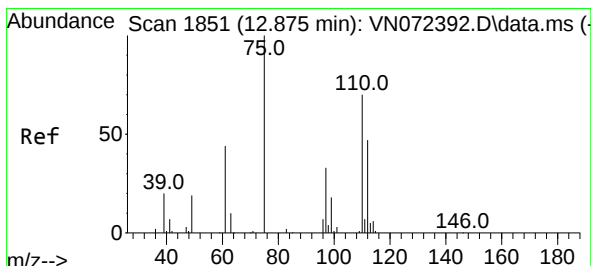
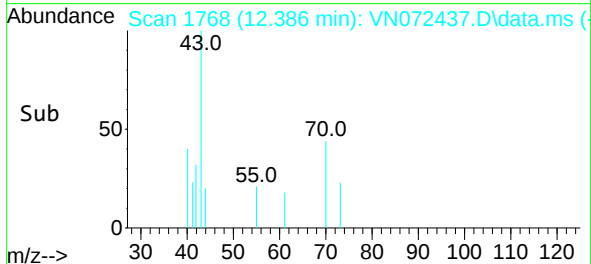
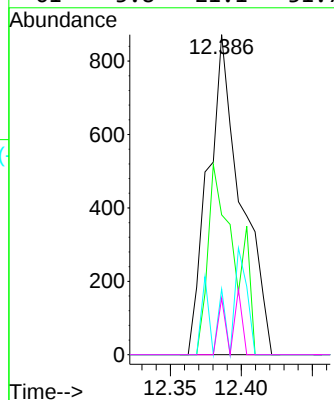
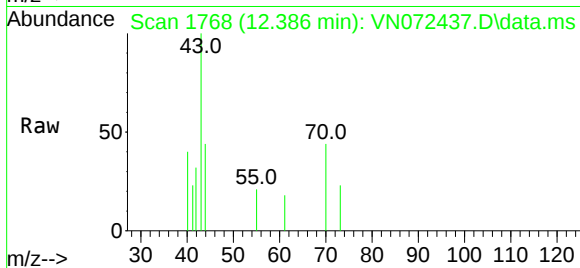




#74
N-amy1 acetate
Concen: 0.313 ug/l
RT: 12.386 min Scan# 11
Delta R.T. 0.005 min
Lab File: VN072437.D
Acq: 12 May 2022 00:31

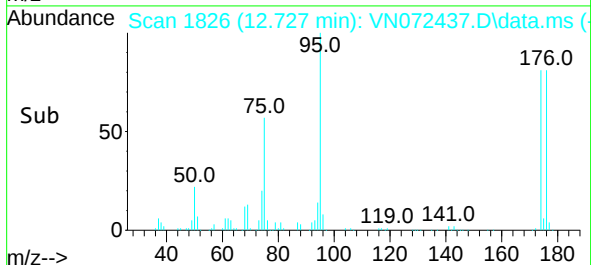
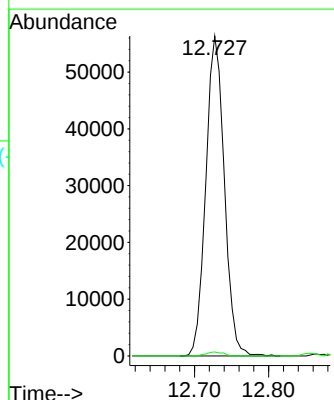
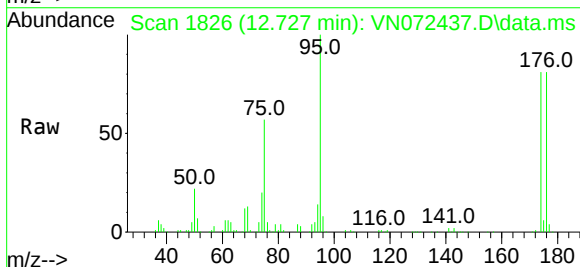
Instrument :
MSVOA_N
ClientSampleId :
MW-11

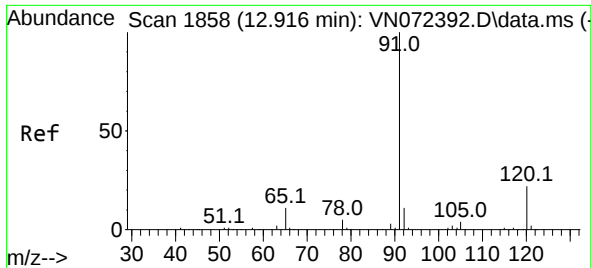
Tgt Ion: 43	Resp: 1408
Ion Ratio	Lower Upper
43 100	
70 48.7	39.0 58.4
55 5.3	21.1 31.7#
61 3.8	21.1 31.7#



#76
1,2,3-Trichloropropane
Concen: 24.388 ug/l
RT: 12.727 min Scan# 1826
Delta R.T. -0.148 min
Lab File: VN072437.D
Acq: 12 May 2022 00:31

Tgt Ion: 75	Resp: 97835
Ion Ratio	Lower Upper
75 100	
77 1.1	98.5 295.5#

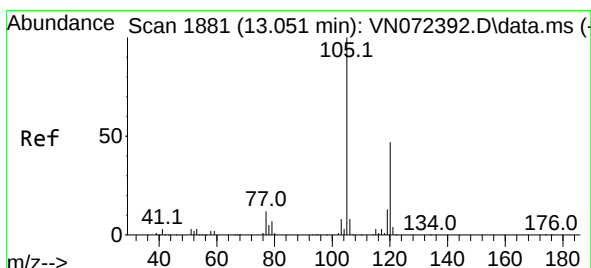
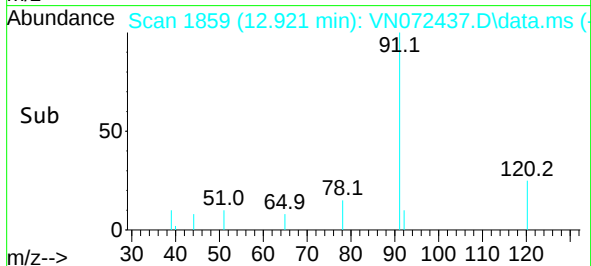
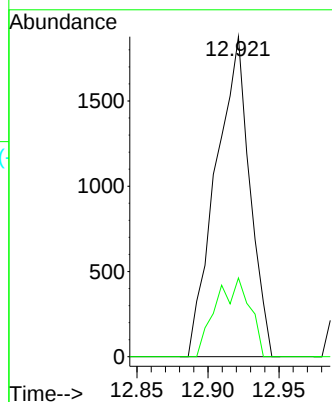
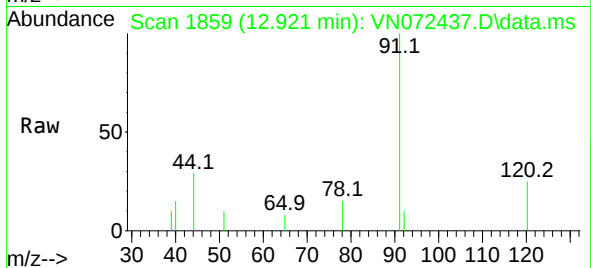




#78
n-propylbenzene
Concen: 0.228 ug/l
RT: 12.921 min Scan# 1859
Delta R.T. 0.005 min
Lab File: VN072437.D
Acq: 12 May 2022 00:31

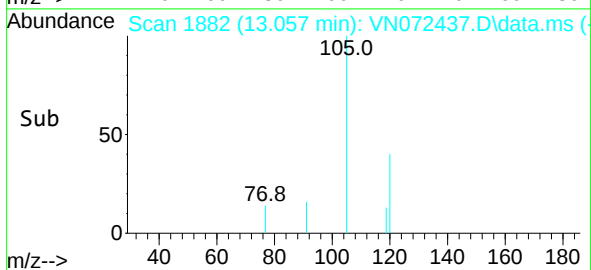
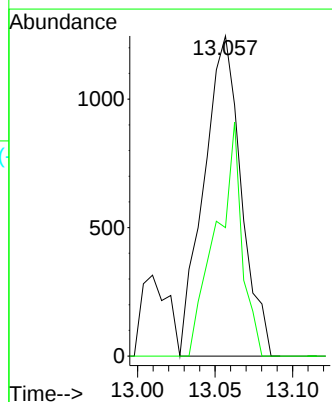
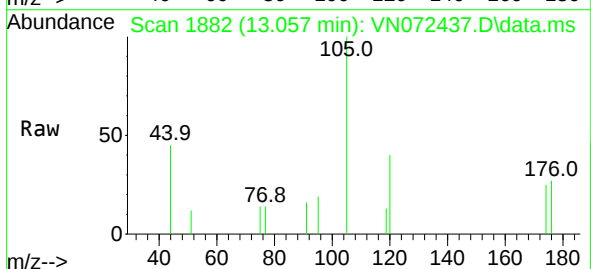
Instrument :
MSVOA_N
ClientSampleId :
MW-11

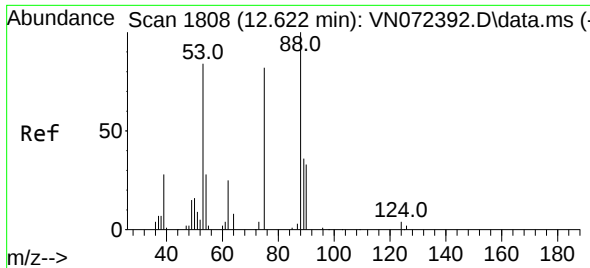
Tgt Ion: 91 Resp: 3115
Ion Ratio Lower Upper
91 100
120 24.7 11.9 35.5



#80
1,3,5-Trimethylbenzene
Concen: 0.200 ug/l
RT: 13.057 min Scan# 1882
Delta R.T. 0.006 min
Lab File: VN072437.D
Acq: 12 May 2022 00:31

Tgt Ion: 105 Resp: 2091
Ion Ratio Lower Upper
105 100
120 50.3 24.9 74.7

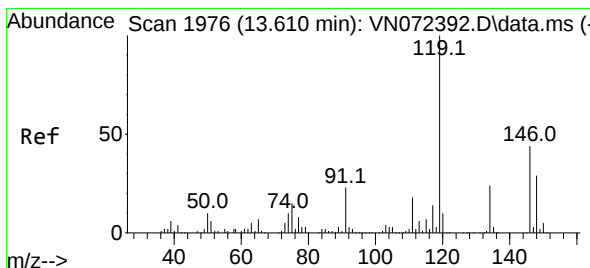
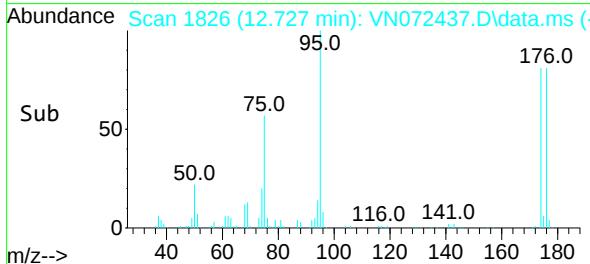
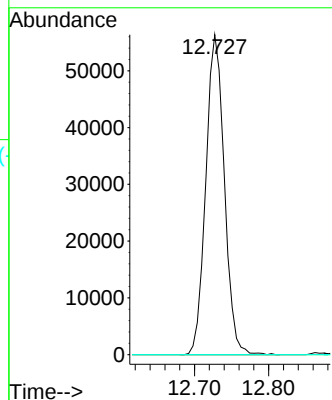
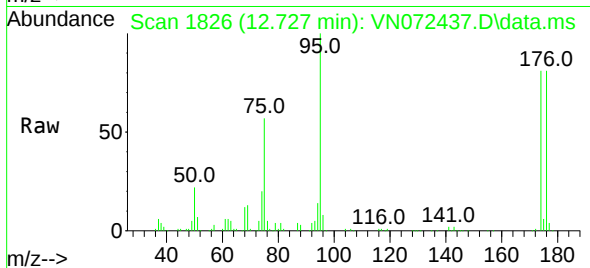




#81
trans-1,4-Dichloro-2-butene
Concen: 81.358 ug/l
RT: 12.727 min Scan# 1808
Delta R.T. 0.105 min
Lab File: VN072437.D
Acq: 12 May 2022 00:31

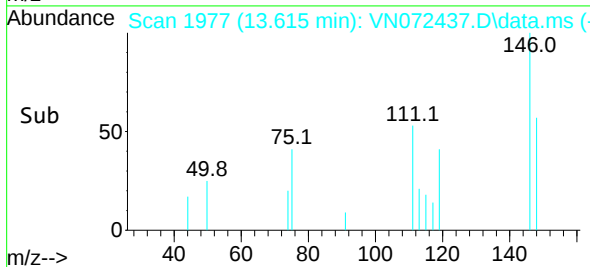
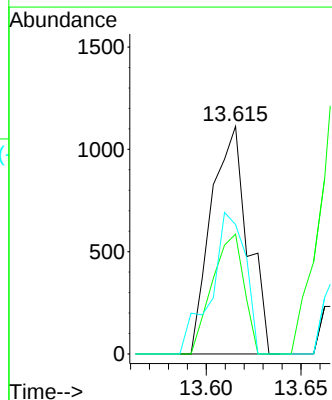
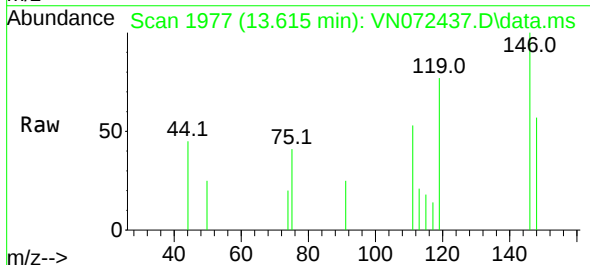
Instrument :
MSVOA_N
ClientSampleId :
MW-11

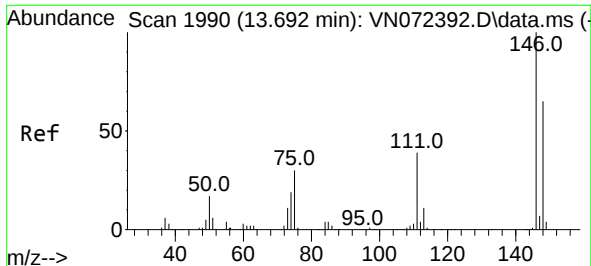
Tgt Ion: 75 Resp: 97835
Ion Ratio Lower Upper
75 100
53 0.0 78.0 117.0#
89 0.0 37.2 55.8#



#87
1,3-Dichlorobenzene
Concen: 0.284 ug/l
RT: 13.615 min Scan# 1977
Delta R.T. 0.005 min
Lab File: VN072437.D
Acq: 12 May 2022 00:31

Tgt Ion:146 Resp: 1494
Ion Ratio Lower Upper
146 100
111 45.6 20.0 60.0
148 58.1 32.0 96.0

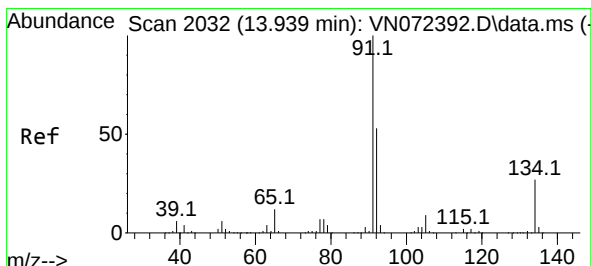
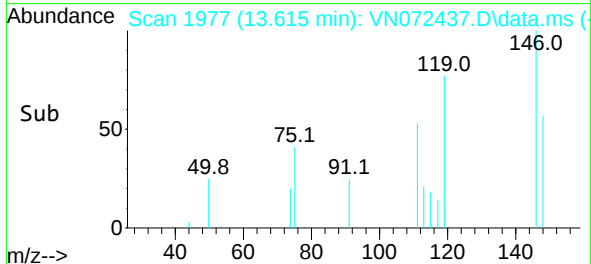
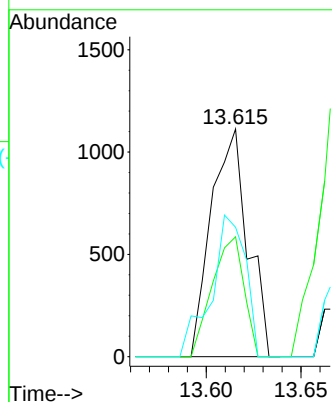
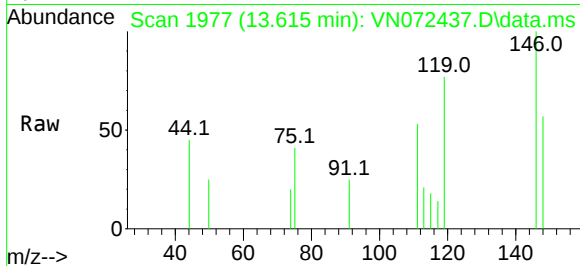




#88
1,4-Dichlorobenzene
Concen: 0.286 ug/l
RT: 13.615 min Scan# 1990
Delta R.T. -0.077 min
Lab File: VN072437.D
Acq: 12 May 2022 00:31

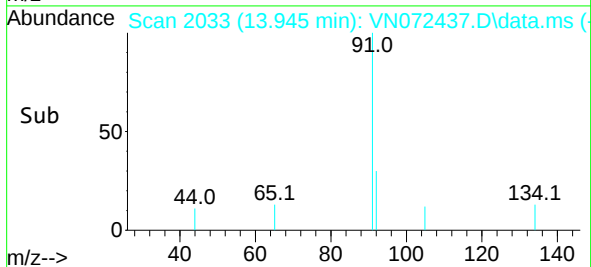
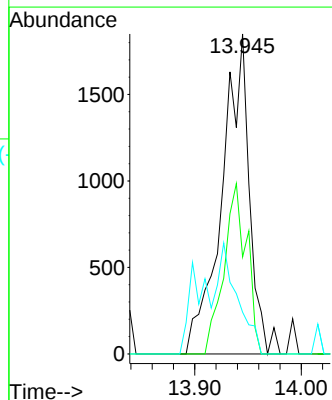
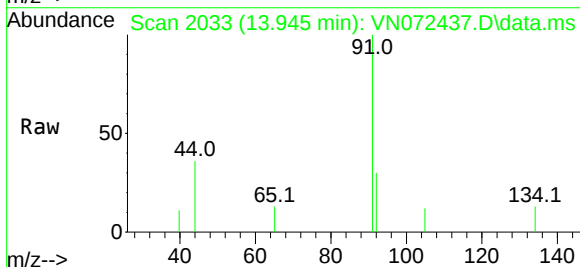
Instrument :
MSVOA_N
ClientSampleId :
MW-11

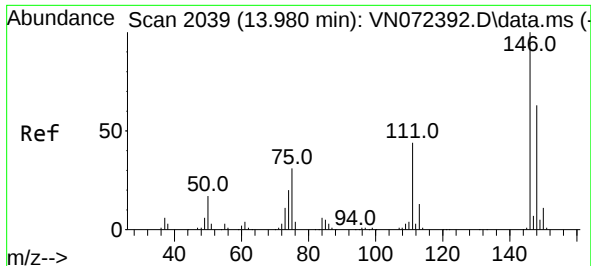
Tgt Ion:146 Resp: 1494
Ion Ratio Lower Upper
146 100
111 45.6 19.1 57.1
148 58.1 31.4 94.3



#89
n-Butylbenzene
Concen: 0.458 ug/l
RT: 13.945 min Scan# 2033
Delta R.T. 0.006 min
Lab File: VN072437.D
Acq: 12 May 2022 00:31

Tgt Ion: 91 Resp: 3322
Ion Ratio Lower Upper
91 100
92 44.0 26.9 80.7
134 25.2 13.6 40.8





#91

1,2-Dichlorobenzene

Concen: 0.219 ug/l

RT: 13.986 min Scan# 2039

Delta R.T. 0.006 min

Lab File: VN072437.D

Acq: 12 May 2022 00:31

Instrument :

MSVOA_N

ClientSampleId :

MW-11

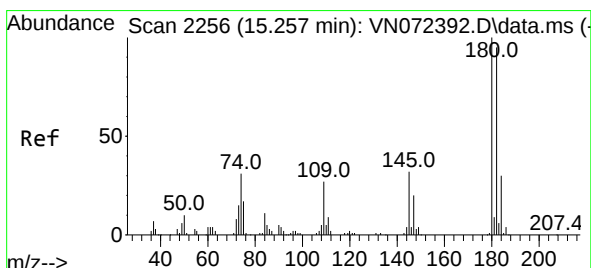
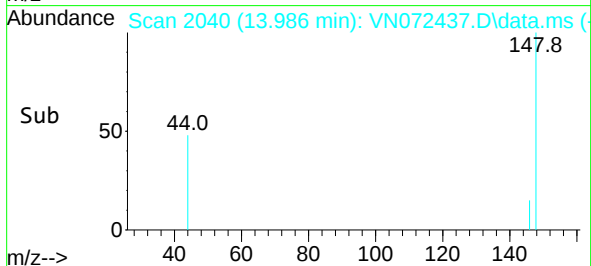
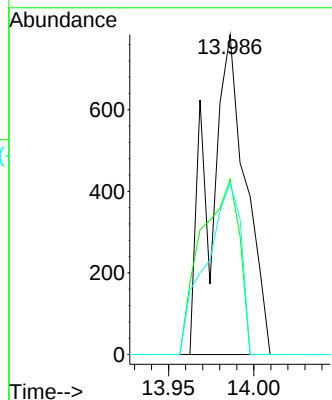
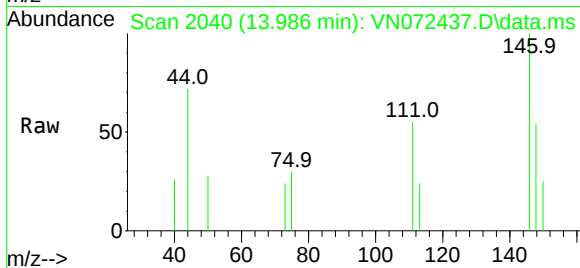
Tgt Ion:146 Resp: 1152

Ion Ratio Lower Upper

146 100

111 57.9 20.9 62.8

148 51.8 32.1 96.3



#93

1,2,4-Trichlorobenzene

Concen: 0.830 ug/l

RT: 15.251 min Scan# 2255

Delta R.T. -0.006 min

Lab File: VN072437.D

Acq: 12 May 2022 00:31

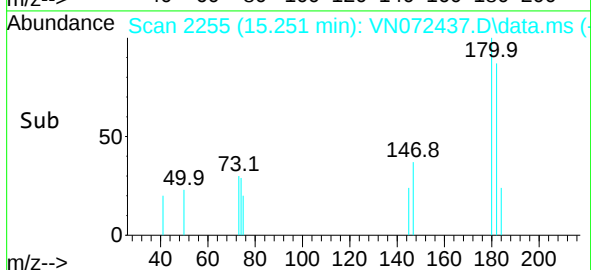
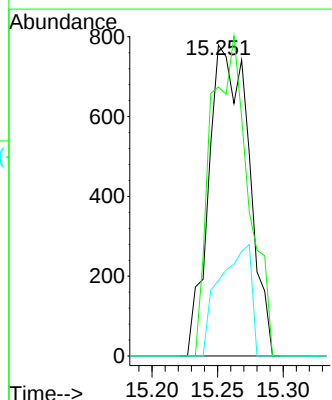
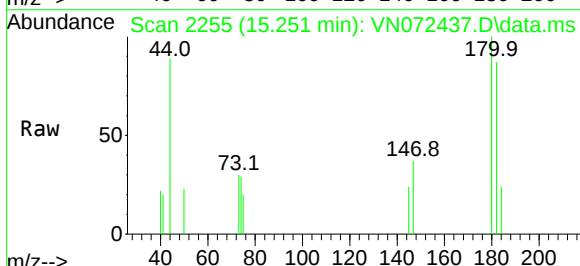
Tgt Ion:180 Resp: 1651

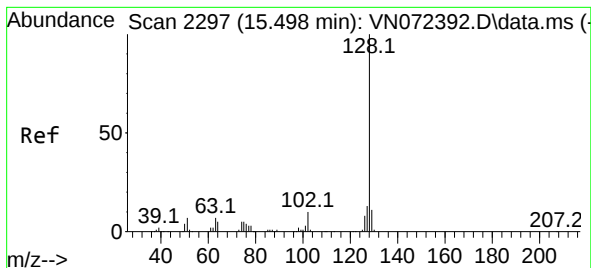
Ion Ratio Lower Upper

180 100

182 0.0 47.5 142.5#

145 0.0 14.5 43.5#





#95

Naphthalene

Concen: 4.045 ug/l

RT: 15.504 min Scan# 21

Delta R.T. 0.006 min

Lab File: VN072437.D

Acq: 12 May 2022 00:31

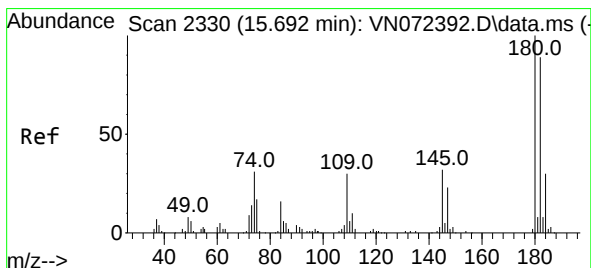
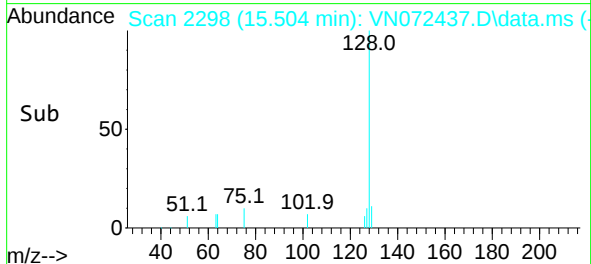
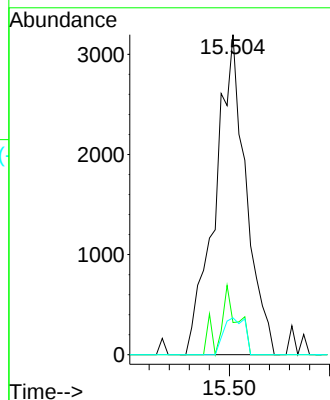
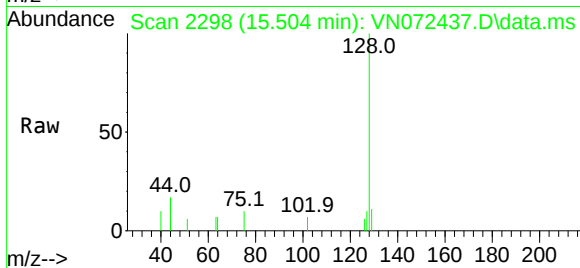
Instrument :

MSVOA_N

ClientSampleId :

MW-11

Tgt Ion:128	Resp:	6820
Ion Ratio	Lower	Upper
128	100	
127	12.2	10.3 15.5
129	8.0	8.6 13.0



#96

1,2,3-Trichlorobenzene

Concen: 1.151 ug/l

RT: 15.692 min Scan# 2330

Delta R.T. -0.000 min

Lab File: VN072437.D

Acq: 12 May 2022 00:31

Tgt Ion:180	Resp:	2295
Ion Ratio	Lower	Upper
180	100	
182	88.1	47.8 143.3
145	21.7	15.5 46.5

