

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN080222\
 Data File : VN073697.D
 Acq On : 02 Aug 2022 19:18
 Operator : JC\MD
 Sample : N3971-10 100X
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 MW-14

Quant Time: Aug 03 02:10:31 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N072822W.M
 Quant Title : SW846 8260
 QLast Update : Fri Jul 29 02:20:25 2022
 Response via : Initial Calibration

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

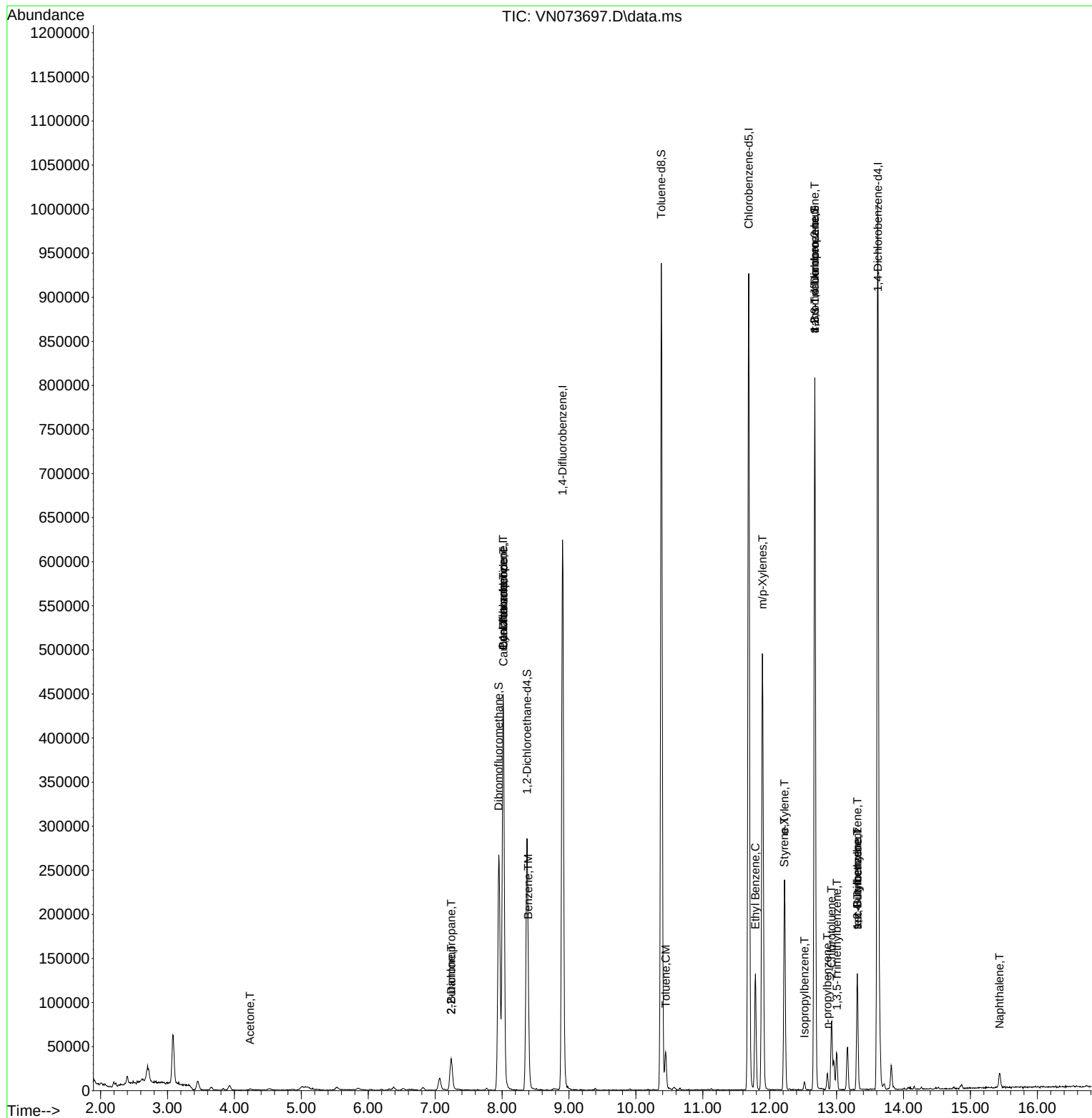
Internal Standards						
1) Pentafluorobenzene	8.016	168	351836	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.904	114	576936	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.686	117	557685	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.616	152	281943	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.375	65	214099	49.933	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery =	99.860%		
35) Dibromofluoromethane	7.951	113	196857	54.338	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	108.680%		
50) Toluene-d8	10.380	98	654564	45.915	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery =	91.820%		
62) 4-Bromofluorobenzene	12.674	95	258898	53.607	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery =	107.220%		
Target Compounds					Qvalue	
3) Chloromethane	2.269	50	787	Below Cal	#	86
6) Chloroethane	2.910	64	663	Below Cal	#	78
16) Acetone	4.234	43	2742	1.191	ug/l	94
20) Methylene Chloride	5.010	84	2037	Below Cal	#	73
25) 2-Butanone	7.239	43	2178	0.609	ug/l	# 45
26) 2,2-Dichloropropane	7.239	77	2249	0.413	ug/l	# 53
31) Cyclohexane	8.016	56	9448	1.480	ug/l	# 26
36) 1,1-Dichloropropene	8.016	75	26302	5.094	ug/l	# 48
38) Carbon Tetrachloride	8.022	117	33165	6.324	ug/l	# 17
40) Benzene	8.392	78	44370	2.646	ug/l	97
52) Toluene	10.445	92	16478	1.609	ug/l	96
67) Ethyl Benzene	11.786	91	93187	4.663	ug/l	98
68) m/p-Xylenes	11.892	106	164375	21.566	ug/l	99
69) o-Xylene	12.222	106	65180	8.771	ug/l	97
70) Styrene	12.216	104	3756	0.316	ug/l	# 1
73) Isopropylbenzene	12.522	105	5925	0.287	ug/l	99
76) 1,2,3-Trichloropropane	12.674	75	133937	24.273	ug/l	# 1
78) n-propylbenzene	12.863	91	13929	0.600	ug/l	95
79) 2-Chlorotoluene	12.921	91	9490	0.655	ug/l	# 40
80) 1,3,5-Trimethylbenzene	13.004	105	21387	1.259	ug/l	97
81) trans-1,4-Dichloro-2-b...	12.674	75	133937	61.563	ug/l	# 10
83) tert-Butylbenzene	13.310	119	9034	0.601	ug/l	# 62
84) 1,2,4-Trimethylbenzene	13.310	105	74776	4.477	ug/l	97
85) sec-Butylbenzene	13.310	105	74776	3.596	ug/l	# 56
95) Naphthalene	15.433	128	16954	1.058	ug/l	99

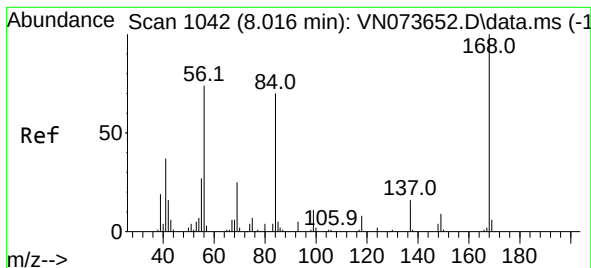
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
QLast Update : Fri Jul 29 02:20:25 2022
Response via : Initial Calibration

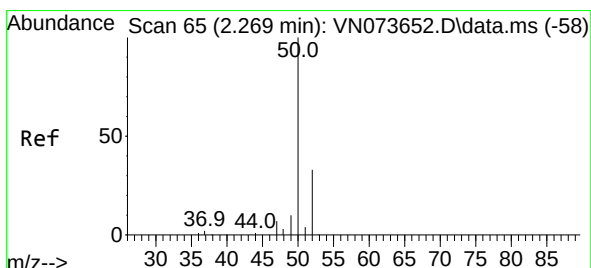
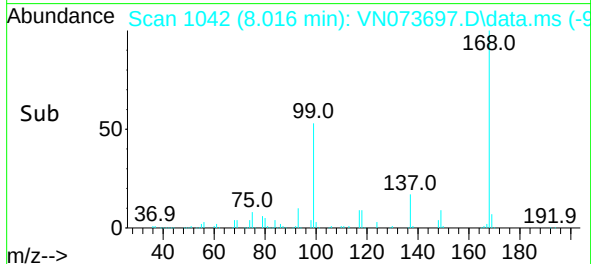
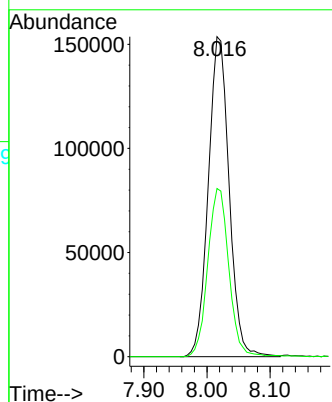
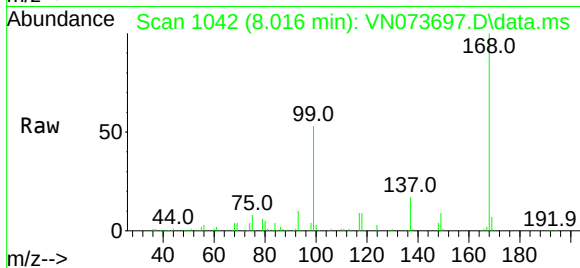




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.016 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN073697.D
Acq: 02 Aug 2022 19:18

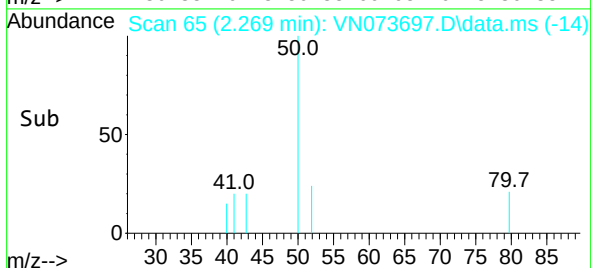
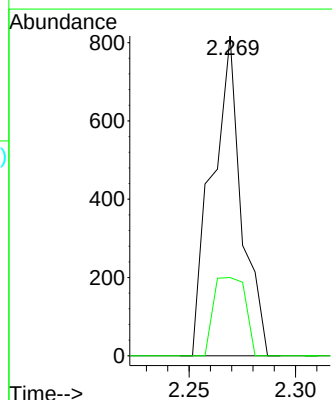
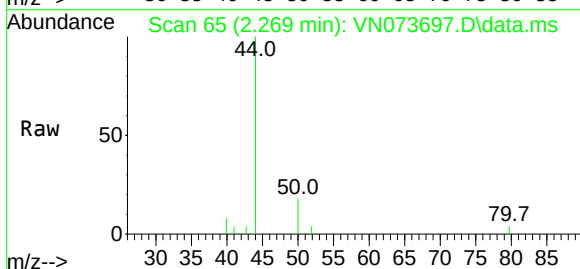
Instrument :
MSVOA_N
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MW-14

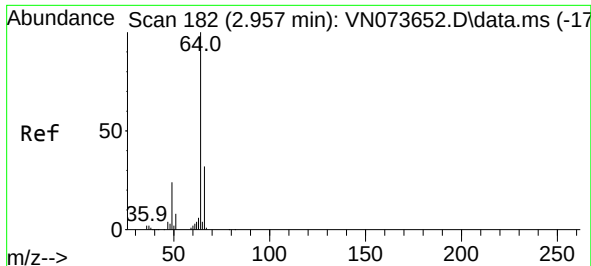
Tgt Ion:168 Resp: 351836
Ion Ratio Lower Upper
168 100
99 52.6 42.3 63.5



#3
Chloromethane
Concen: Below Cal
RT: 2.269 min Scan# 65
Delta R.T. 0.000 min
Lab File: VN073697.D
Acq: 02 Aug 2022 19:18

Tgt Ion: 50 Resp: 787
Ion Ratio Lower Upper
50 100
52 24.5 25.7 38.5#

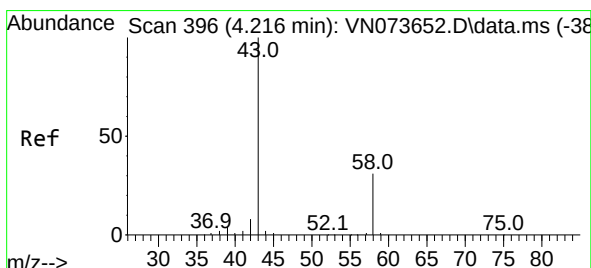
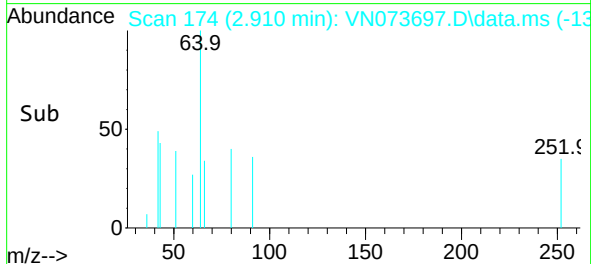
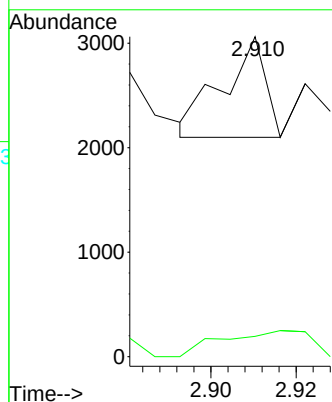
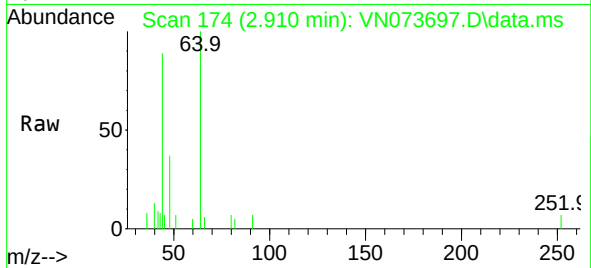




#6
Chloroethane
Concen: Below Cal
RT: 2.910 min Scan# 11
Delta R.T. -0.047 min
Lab File: VN073697.D
Acq: 02 Aug 2022 19:18

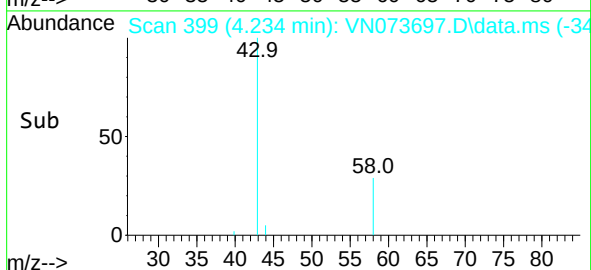
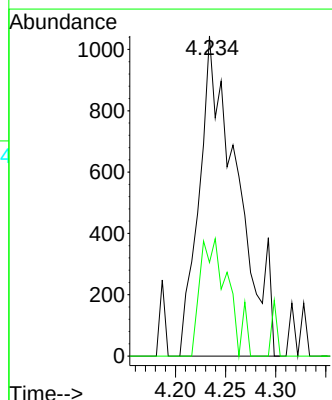
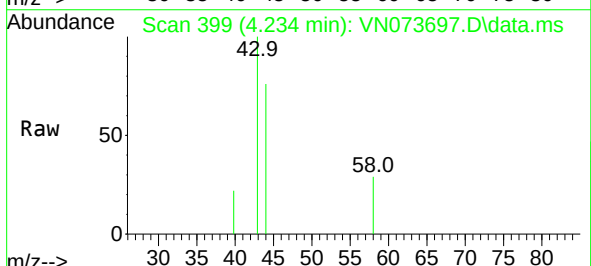
Instrument :
MSVOA_N
ClientSampleId :
MW-14

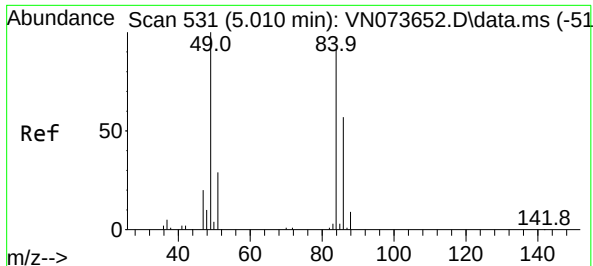
Tgt Ion: 64 Resp: 663
Ion Ratio Lower Upper
64 100
66 20.2 26.2 39.4#



#16
Acetone
Concen: 1.191 ug/l
RT: 4.234 min Scan# 399
Delta R.T. 0.012 min
Lab File: VN073697.D
Acq: 02 Aug 2022 19:18

Tgt Ion: 43 Resp: 2742
Ion Ratio Lower Upper
43 100
58 29.2 26.0 39.0

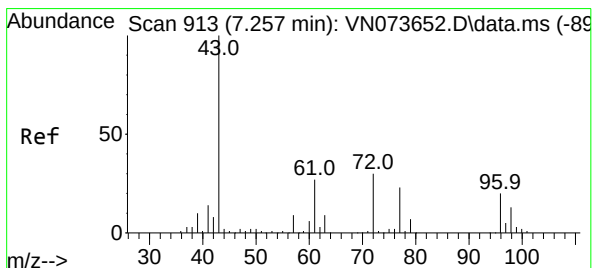
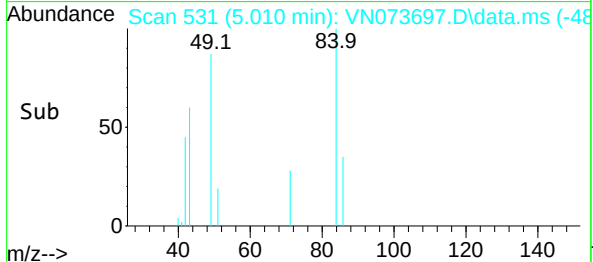
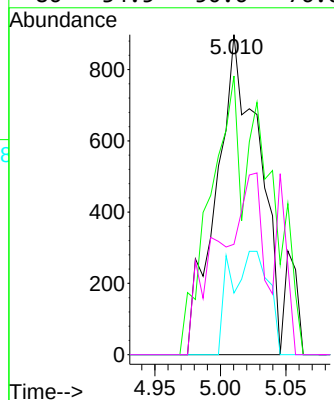
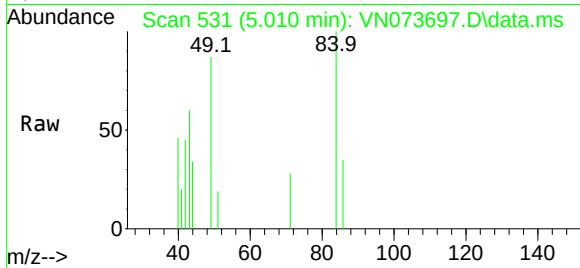




#20
Methylene Chloride
Concen: Below Cal
RT: 5.010 min Scan# 51
Delta R.T. 0.000 min
Lab File: VN073697.D
Acq: 02 Aug 2022 19:18

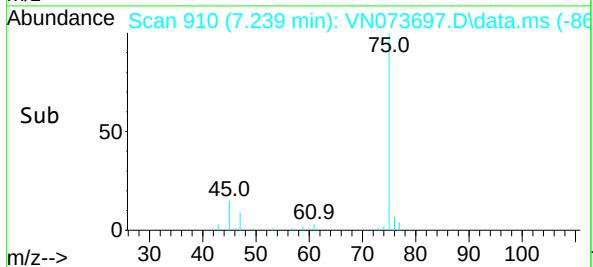
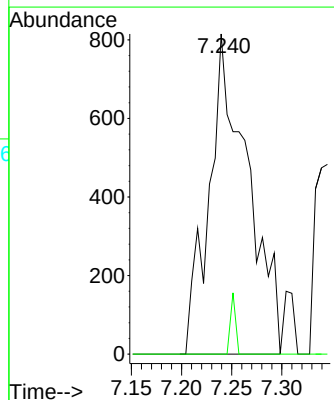
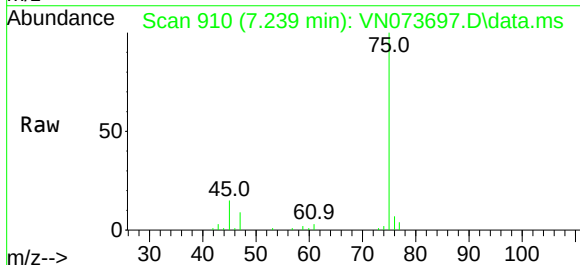
Instrument :
MSVOA_N
ClientSampleId :
MW-14

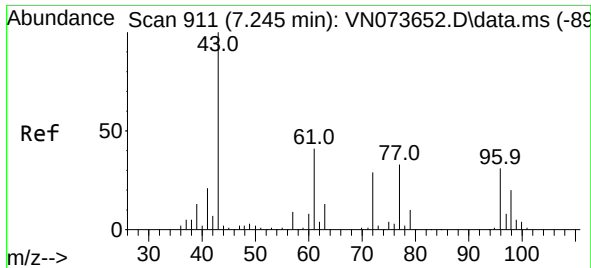
Tgt Ion:	84	Resp:	2037
Ion	Ratio	Lower	Upper
84	100		
49	87.1	88.3	132.5#
51	19.3	28.2	42.2#
86	34.5	50.6	76.0#



#25
2-Butanone
Concen: 0.609 ug/l
RT: 7.239 min Scan# 910
Delta R.T. -0.018 min
Lab File: VN073697.D
Acq: 02 Aug 2022 19:18

Tgt Ion:	43	Resp:	2178
Ion	Ratio	Lower	Upper
43	100		
72	0.0	23.7	35.5#

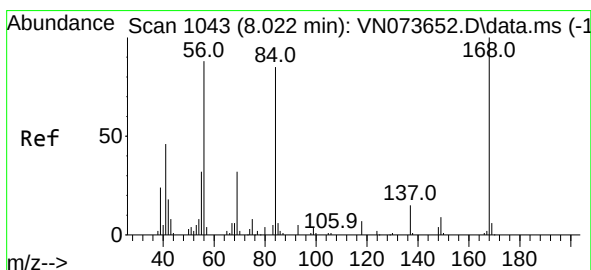
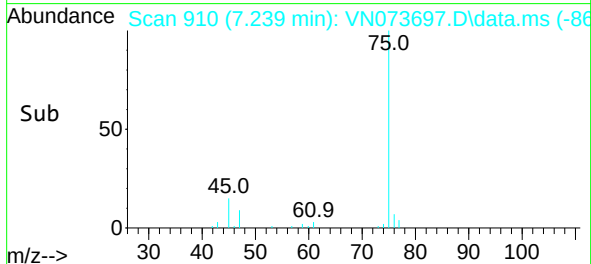
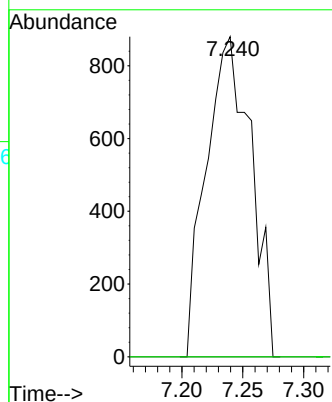
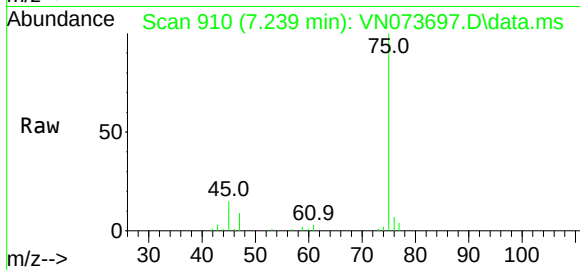




#26
2,2-Dichloropropane
Concen: 0.413 ug/l
RT: 7.239 min Scan# 911
Delta R.T. -0.012 min
Lab File: VN073697.D
Acq: 02 Aug 2022 19:18

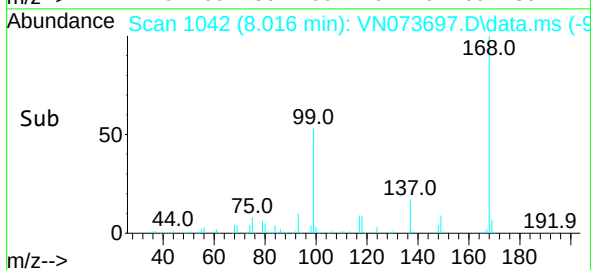
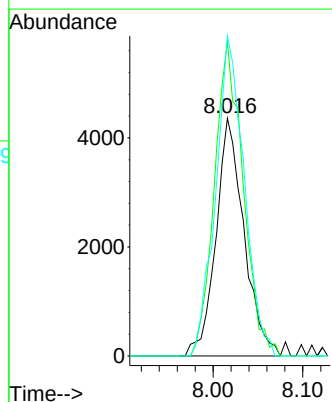
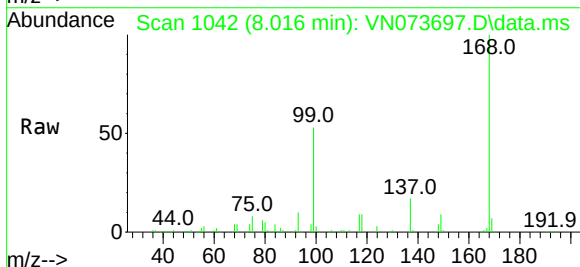
Instrument :
MSVOA_N
ClientSampleId :
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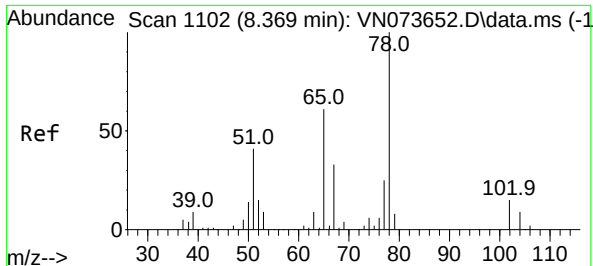
Tgt Ion: 77 Resp: 2249
Ion Ratio Lower Upper
77 100
97 0.0 11.4 34.2#



#31
Cyclohexane
Concen: 1.480 ug/l
RT: 8.016 min Scan# 1042
Delta R.T. -0.006 min
Lab File: VN073697.D
Acq: 02 Aug 2022 19:18

Tgt Ion: 56 Resp: 9448
Ion Ratio Lower Upper
56 100
69 132.2 27.8 41.8#
84 134.7 76.9 115.3#





#33

1,2-Dichloroethane-d4

Concen: 49.933 ug/l

RT: 8.375 min Scan# 1103

Delta R.T. 0.006 min

Lab File: VN073697.D

Acq: 02 Aug 2022 19:18

Instrument :

MSVOA_N

ClientSampleId :

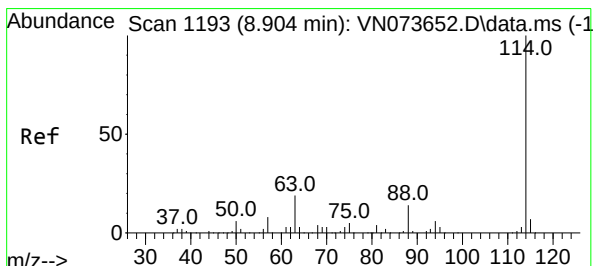
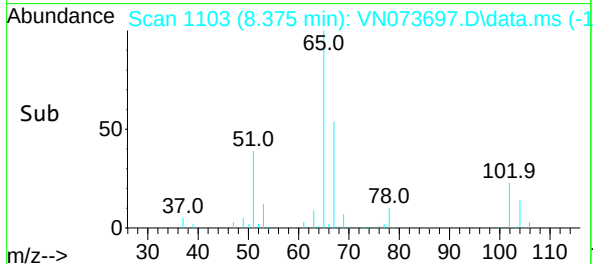
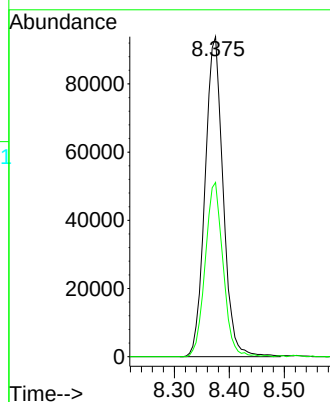
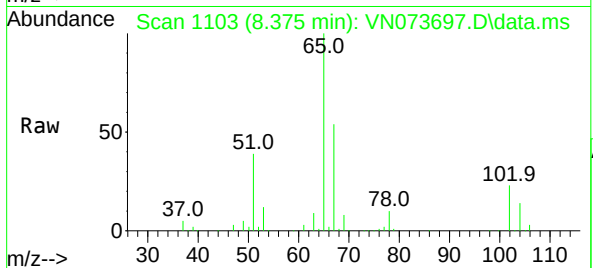
MW-14

Tgt Ion: 65 Resp: 214099

Ion Ratio Lower Upper

65 100

67 53.7 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: VN073697.D

Acq: 02 Aug 2022 19:18

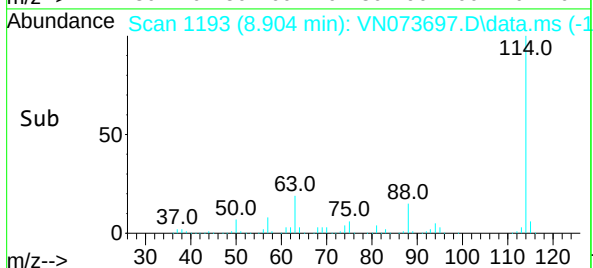
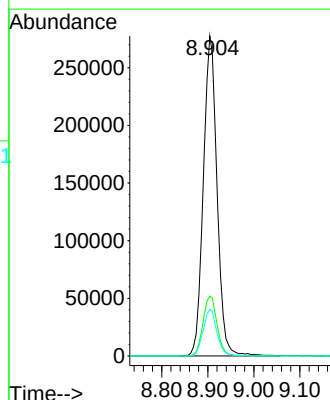
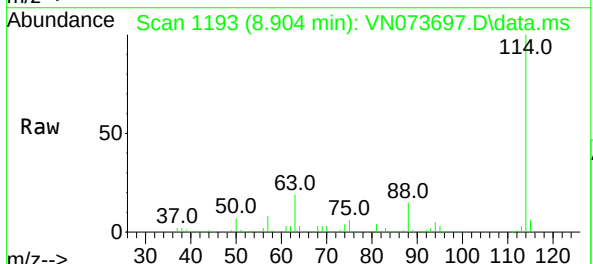
Tgt Ion: 114 Resp: 576936

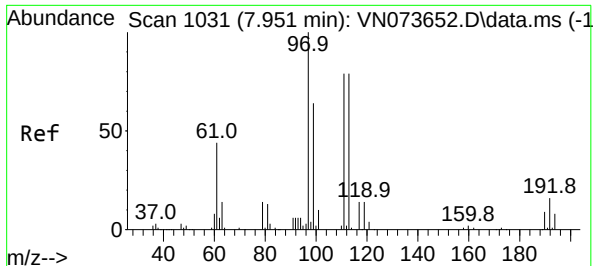
Ion Ratio Lower Upper

114 100

63 18.7 0.0 40.0

88 14.6 0.0 32.6





#35

Dibromofluoromethane

Concen: 54.338 ug/l

RT: 7.951 min Scan# 1

Delta R.T. 0.000 min

Lab File: VN073697.D

Acq: 02 Aug 2022 19:18

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MW-14

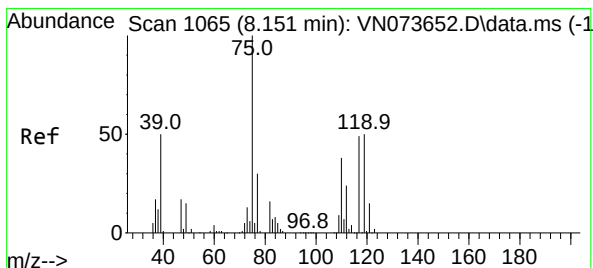
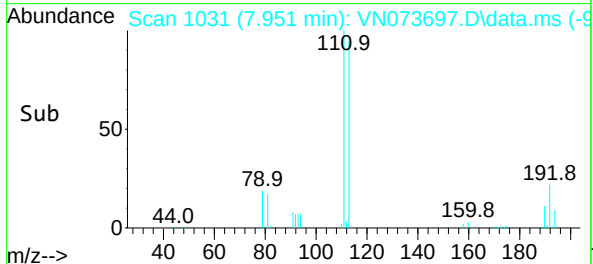
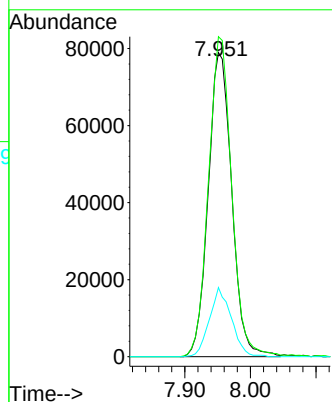
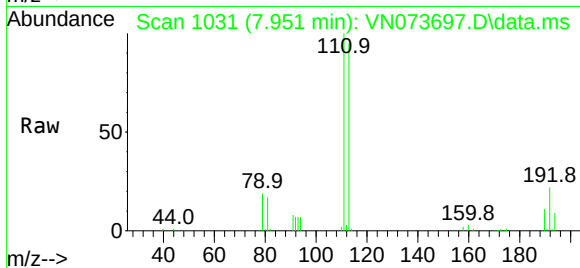
Tgt Ion:113 Resp: 196857

Ion Ratio Lower Upper

113 100

111 103.8 81.4 122.0

192 21.3 17.0 25.6



#36

1,1-Dichloropropene

Concen: 5.094 ug/l

RT: 8.016 min Scan# 1042

Delta R.T. -0.135 min

Lab File: VN073697.D

Acq: 02 Aug 2022 19:18

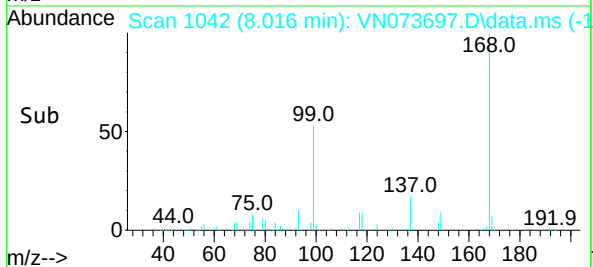
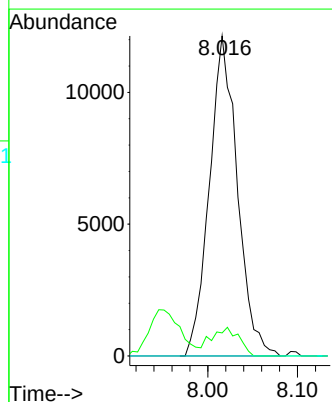
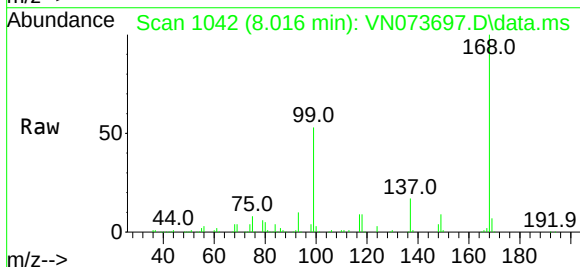
Tgt Ion: 75 Resp: 26302

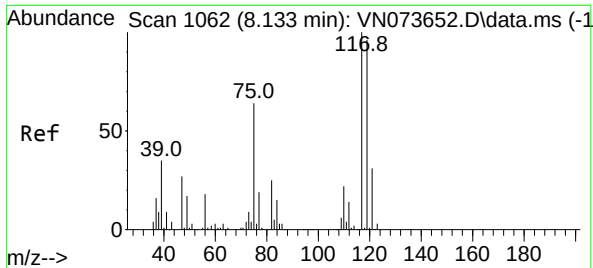
Ion Ratio Lower Upper

75 100

110 8.7 18.3 54.8#

77 0.0 25.1 37.7#

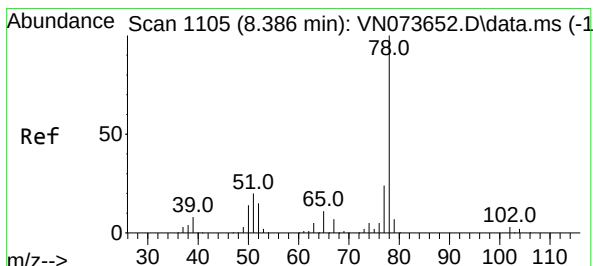
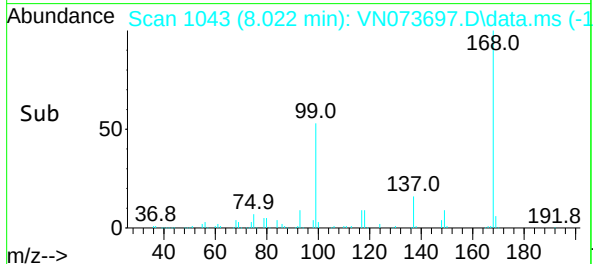
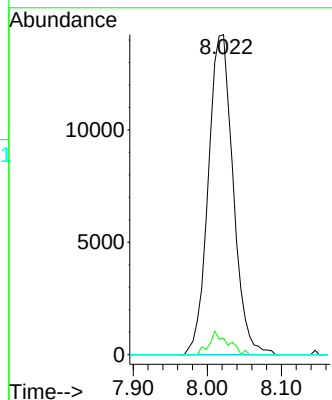
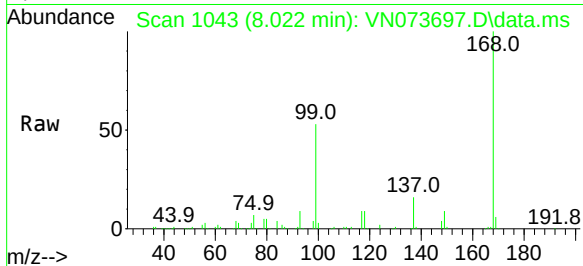




#38
Carbon Tetrachloride
Concen: 6.324 ug/l
RT: 8.022 min Scan# 1104
Delta R.T. -0.112 min
Lab File: VN073697.D
Acq: 02 Aug 2022 19:18

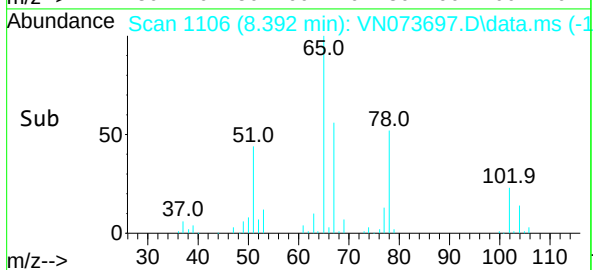
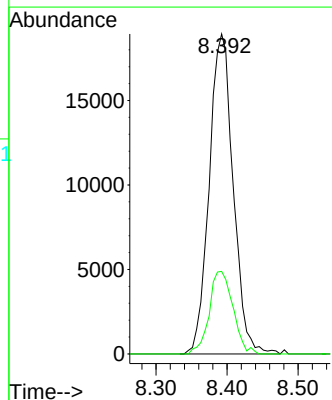
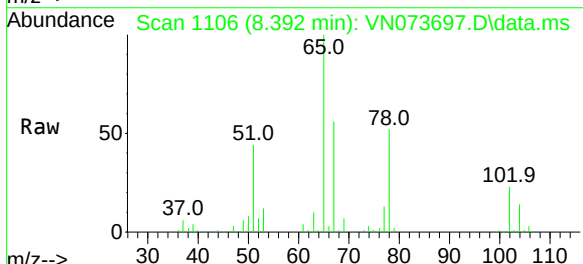
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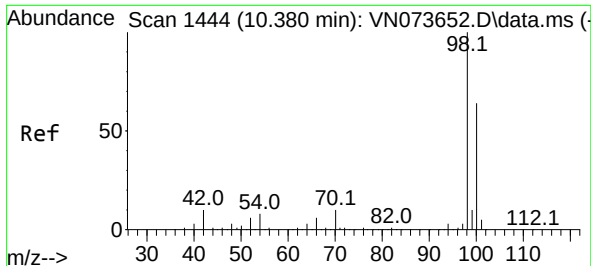
Tgt Ion:117 Resp: 33165
Ion Ratio Lower Upper
117 100
119 5.2 75.8 113.8#
121 0.0 24.6 37.0#



#40
Benzene
Concen: 2.646 ug/l
RT: 8.392 min Scan# 1106
Delta R.T. 0.000 min
Lab File: VN073697.D
Acq: 02 Aug 2022 19:18

Tgt Ion: 78 Resp: 44370
Ion Ratio Lower Upper
78 100
77 25.8 19.4 29.0

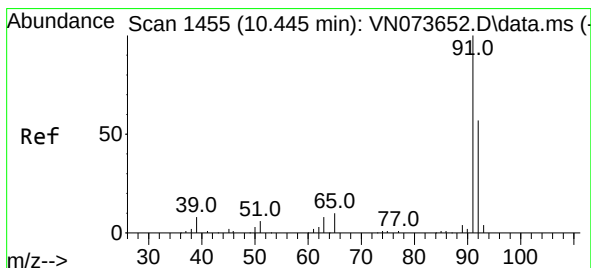
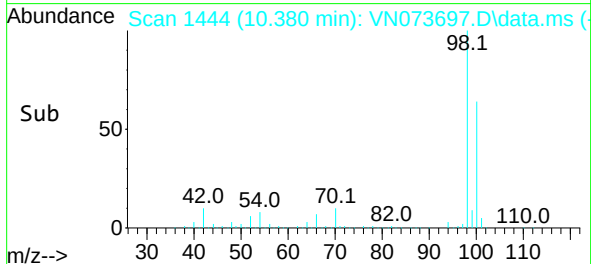
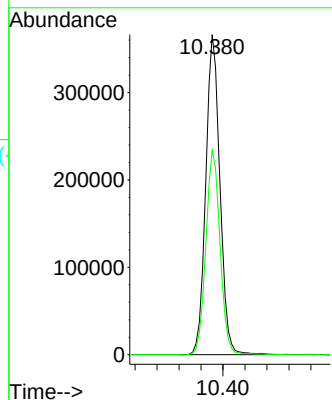
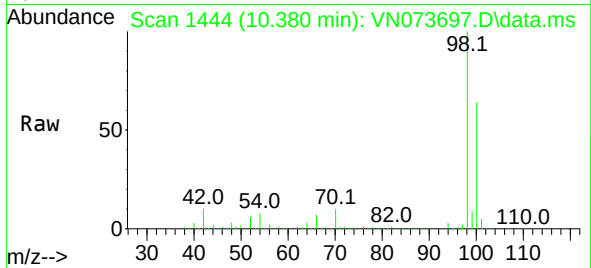




#50
Toluene-d8
Concen: 45.915 ug/l
RT: 10.380 min Scan# 1444
Delta R.T. 0.000 min
Lab File: VN073697.D
Acq: 02 Aug 2022 19:18

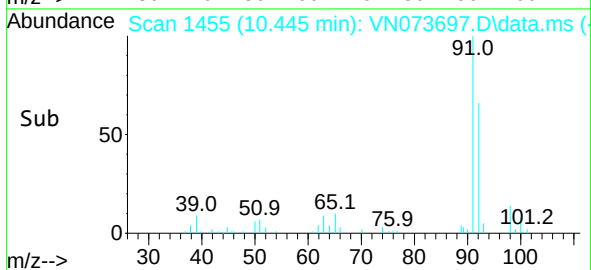
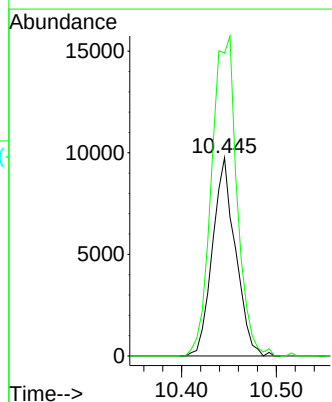
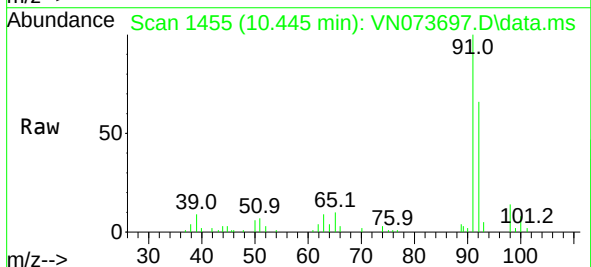
Instrument :
MSVOA_N
ClientSampleId :
MW-14

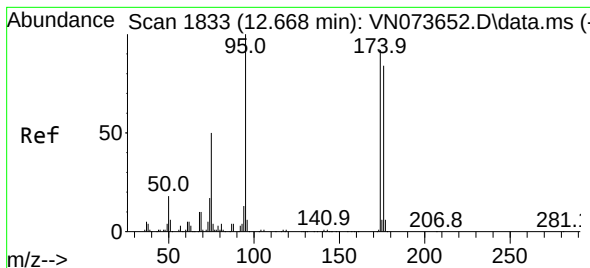
Tgt Ion: 98 Resp: 654564
Ion Ratio Lower Upper
98 100
100 64.1 52.6 78.8



#52
Toluene
Concen: 1.609 ug/l
RT: 10.445 min Scan# 1455
Delta R.T. 0.000 min
Lab File: VN073697.D
Acq: 02 Aug 2022 19:18

Tgt Ion: 92 Resp: 16478
Ion Ratio Lower Upper
92 100
91 178.2 138.6 207.8

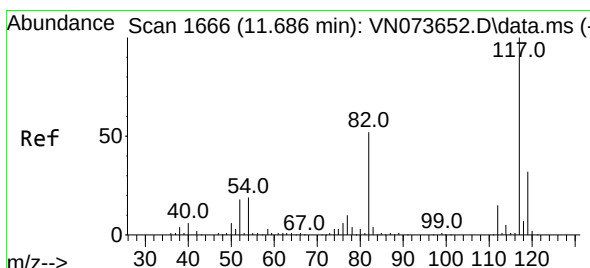
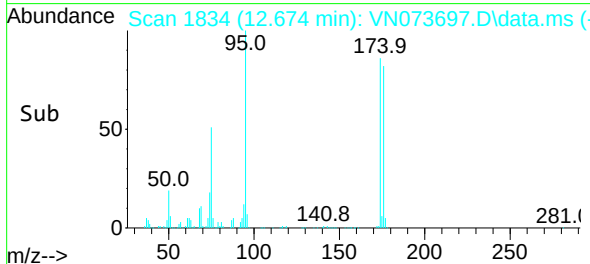
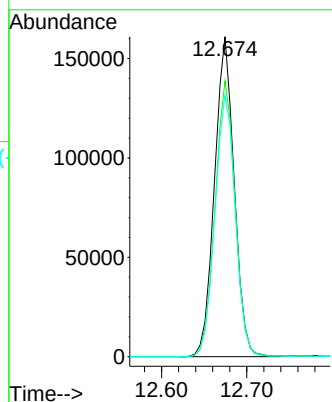
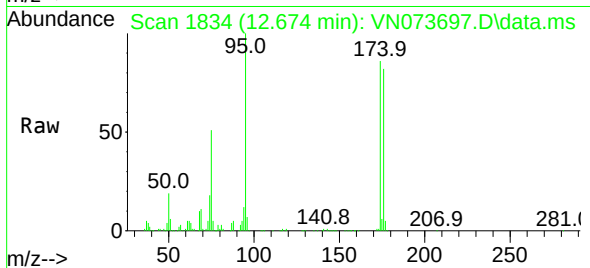




#62
4-Bromofluorobenzene
Concen: 53.607 ug/l
RT: 12.674 min Scan# 1834
Delta R.T. 0.000 min
Lab File: VN073697.D
Acq: 02 Aug 2022 19:18

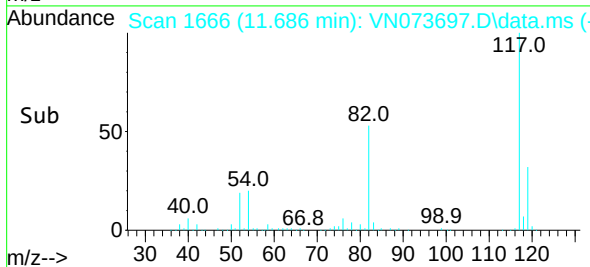
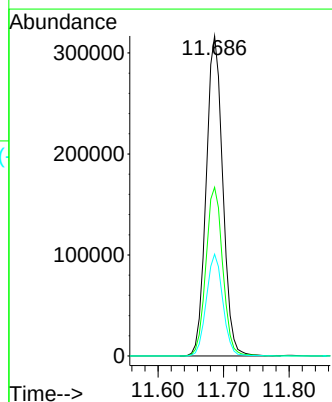
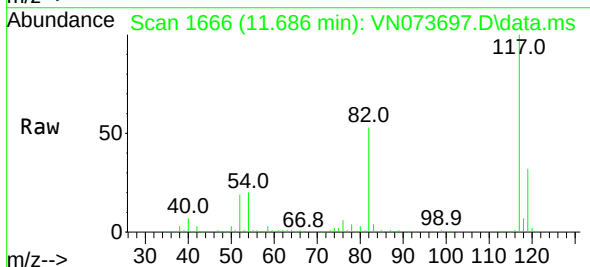
Instrument :
MSVOA_N
ClientSampleId :
MW-14

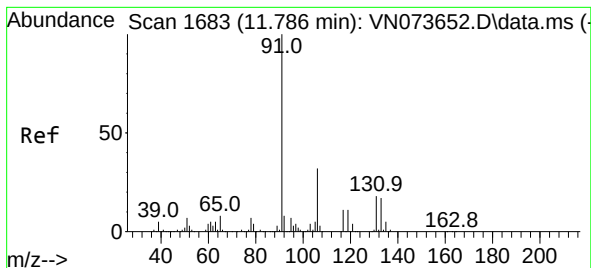
Tgt Ion: 95 Resp: 258898
Ion Ratio Lower Upper
95 100
174 88.4 0.0 167.6
176 84.5 0.0 163.4



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.686 min Scan# 1666
Delta R.T. 0.000 min
Lab File: VN073697.D
Acq: 02 Aug 2022 19:18

Tgt Ion: 117 Resp: 557685
Ion Ratio Lower Upper
117 100
82 52.7 44.2 66.2
119 31.8 25.4 38.0





#67

Ethyl Benzene

Concen: 4.663 ug/l

RT: 11.786 min Scan# 1

Delta R.T. 0.000 min

Lab File: VN073697.D

Acq: 02 Aug 2022 19:18

Instrument :

MSVOA_N

ClientSampleId :

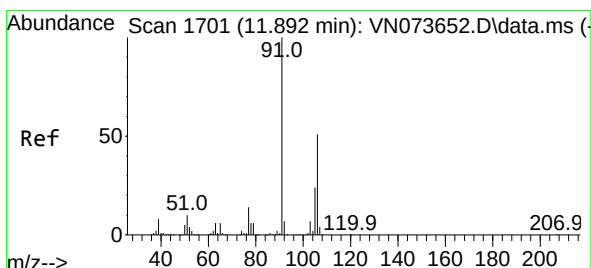
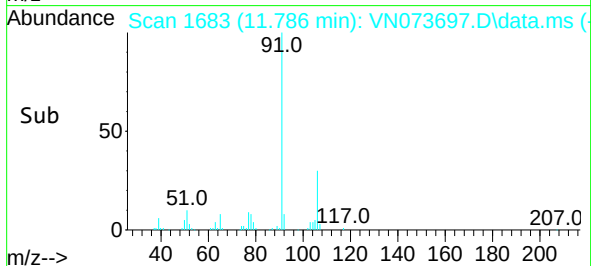
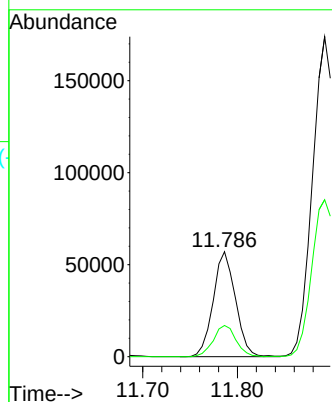
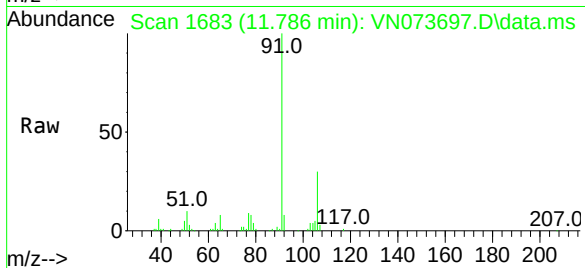
MW-14

Tgt Ion: 91 Resp: 93187

Ion Ratio Lower Upper

91 100

106 29.7 24.9 37.3



#68

m/p-Xylenes

Concen: 21.566 ug/l

RT: 11.892 min Scan# 1701

Delta R.T. -0.006 min

Lab File: VN073697.D

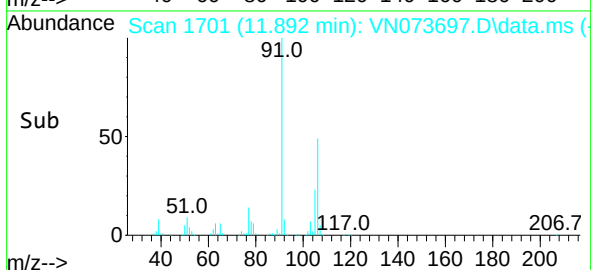
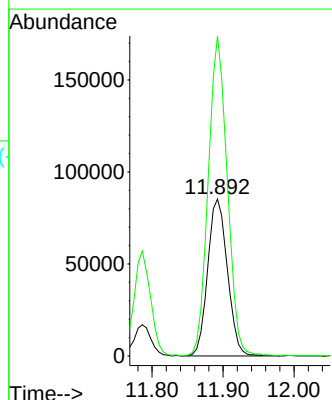
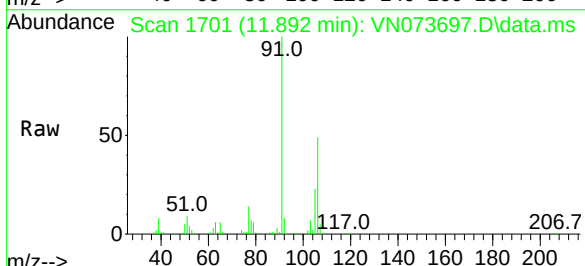
Acq: 02 Aug 2022 19:18

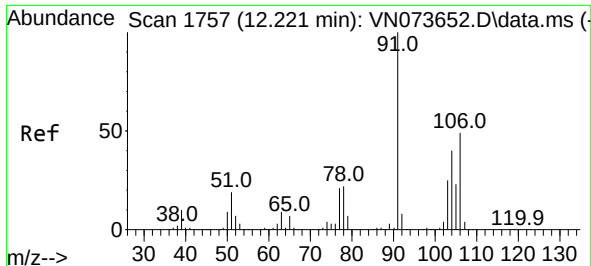
Tgt Ion: 106 Resp: 164375

Ion Ratio Lower Upper

106 100

91 196.4 158.9 238.3

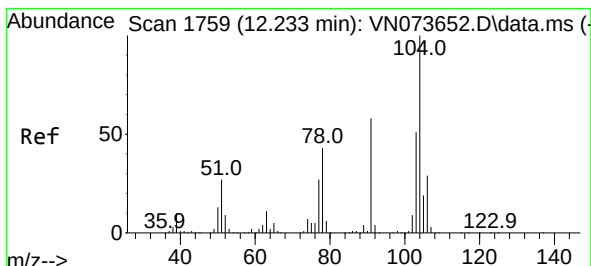
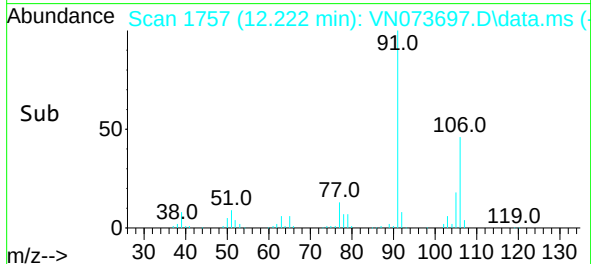
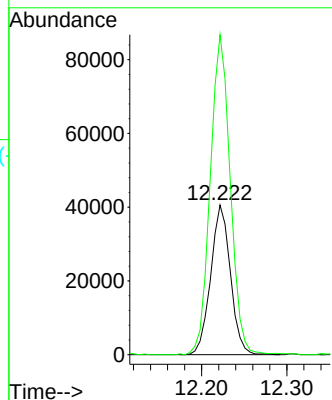
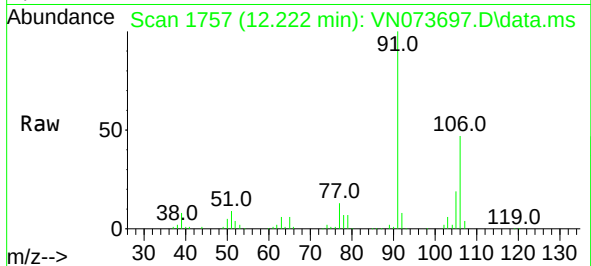




#69
o-Xylene
Concen: 8.771 ug/l
RT: 12.222 min Scan# 1757
Delta R.T. 0.000 min
Lab File: VN073697.D
Acq: 02 Aug 2022 19:18

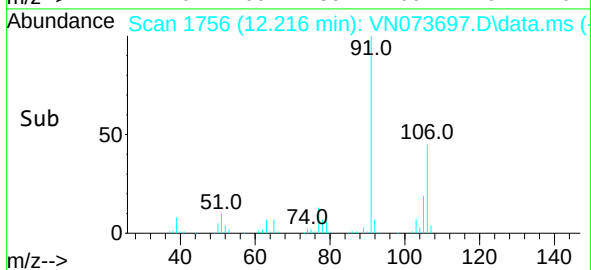
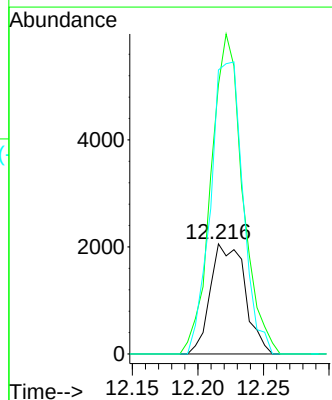
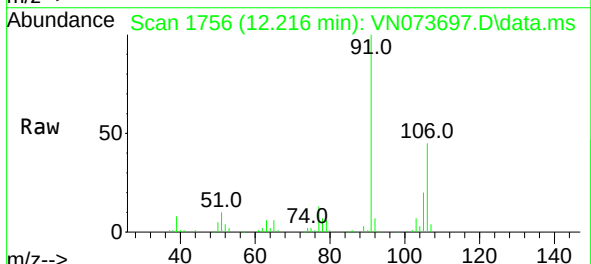
Instrument :
MSVOA_N
ClientSampleId :
MW-14

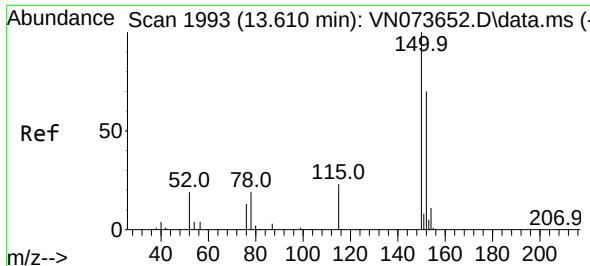
Tgt Ion:106 Resp: 65180
Ion Ratio Lower Upper
106 100
91 217.0 106.0 318.0



#70
Styrene
Concen: 0.316 ug/l
RT: 12.216 min Scan# 1756
Delta R.T. -0.017 min
Lab File: VN073697.D
Acq: 02 Aug 2022 19:18

Tgt Ion:104 Resp: 3756
Ion Ratio Lower Upper
104 100
78 267.0 39.5 59.3#
103 249.7 44.0 66.0#

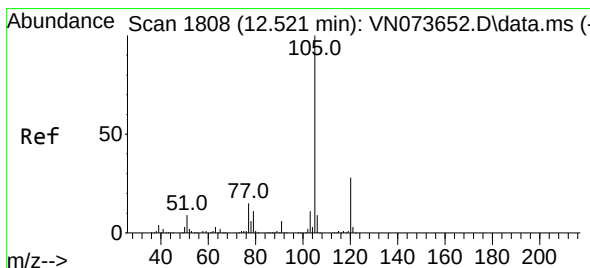
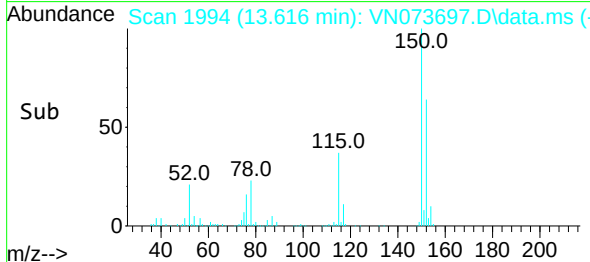
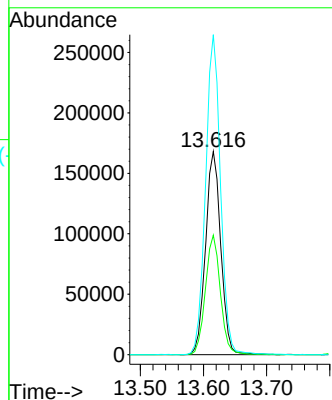
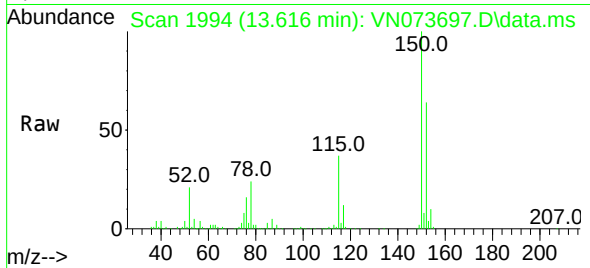




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.616 min Scan# 1994
Delta R.T. 0.000 min
Lab File: VN073697.D
Acq: 02 Aug 2022 19:18

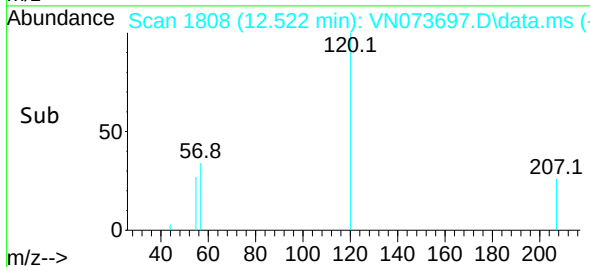
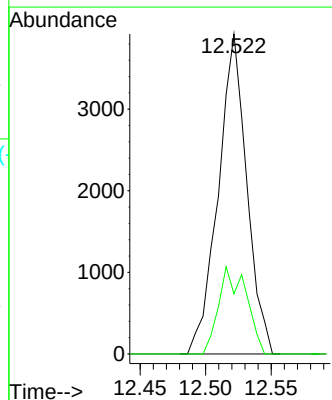
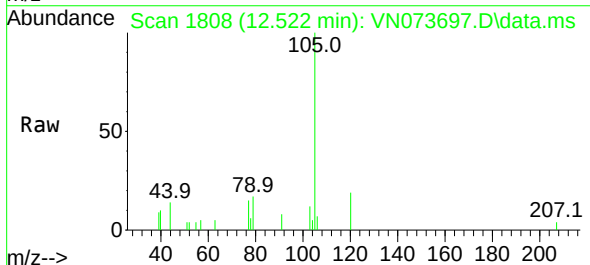
Instrument :
MSVOA_N
ClientSampleId :
MW-14

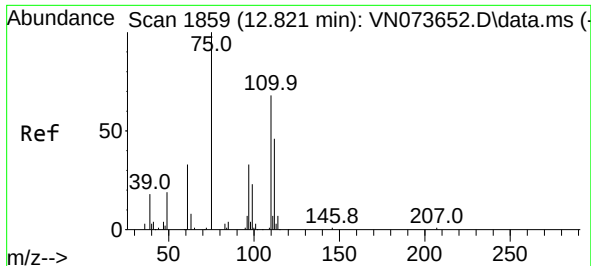
Tgt Ion:152 Resp: 281943
Ion Ratio Lower Upper
152 100
115 57.9 28.9 86.7
150 154.8 0.0 356.2



#73
Isopropylbenzene
Concen: 0.287 ug/l
RT: 12.522 min Scan# 1808
Delta R.T. 0.000 min
Lab File: VN073697.D
Acq: 02 Aug 2022 19:18

Tgt Ion:105 Resp: 5925
Ion Ratio Lower Upper
105 100
120 26.3 13.5 40.4

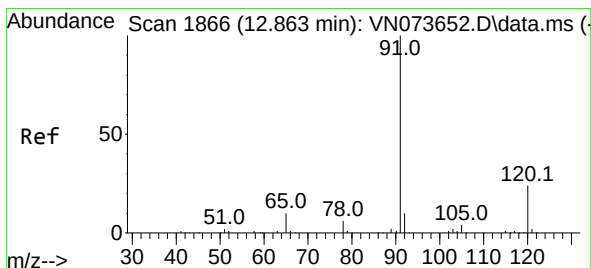
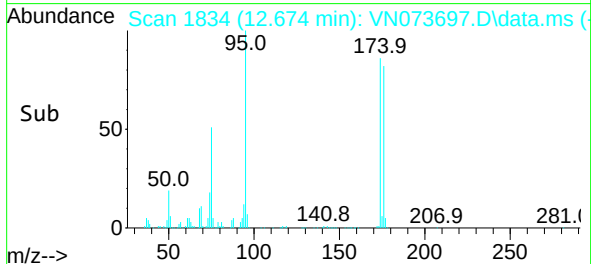
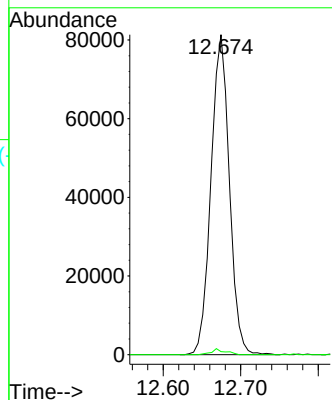
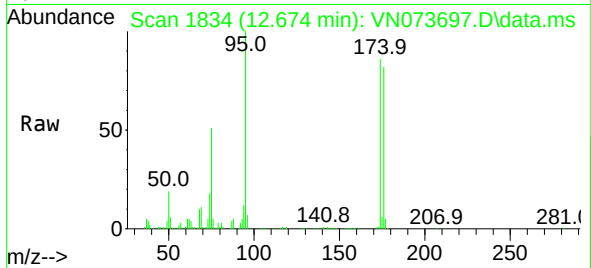




#76
1,2,3-Trichloropropane
Concen: 24.273 ug/l
RT: 12.674 min Scan# 1834
Delta R.T. -0.147 min
Lab File: VN073697.D
Acq: 02 Aug 2022 19:18

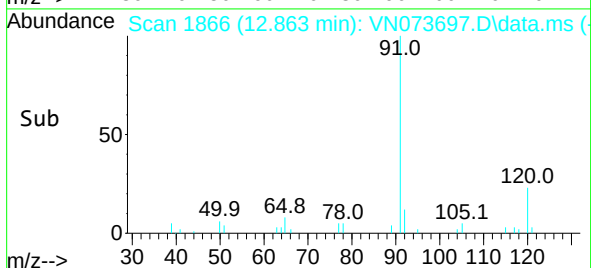
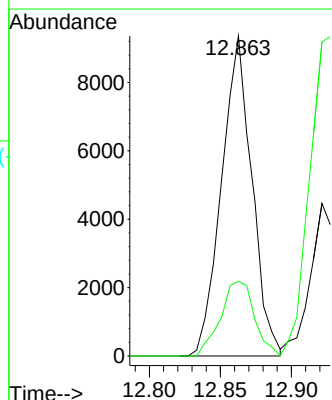
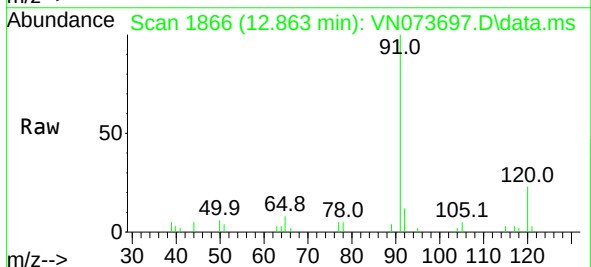
Instrument :
MSVOA_N
ClientSampleId :
MW-14

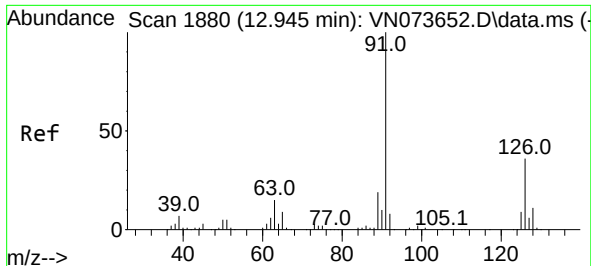
Tgt Ion: 75 Resp: 133937
Ion Ratio Lower Upper
75 100
77 1.4 98.5 295.5#



#78
n-propylbenzene
Concen: 0.600 ug/l
RT: 12.863 min Scan# 1866
Delta R.T. 0.000 min
Lab File: VN073697.D
Acq: 02 Aug 2022 19:18

Tgt Ion: 91 Resp: 13929
Ion Ratio Lower Upper
91 100
120 26.0 11.9 35.5





#79

2-Chlorotoluene

Concen: 0.655 ug/l

RT: 12.921 min Scan# 1876

Delta R.T. -0.029 min

Lab File: VN073697.D

Acq: 02 Aug 2022 19:18

Instrument :

MSVOA_N

ClientSampleId :

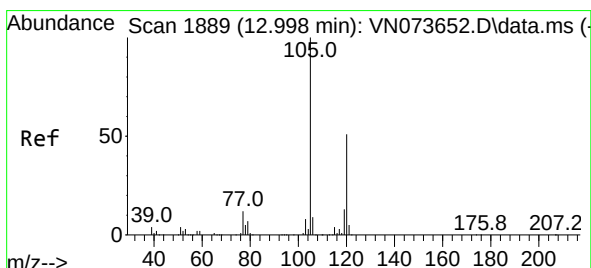
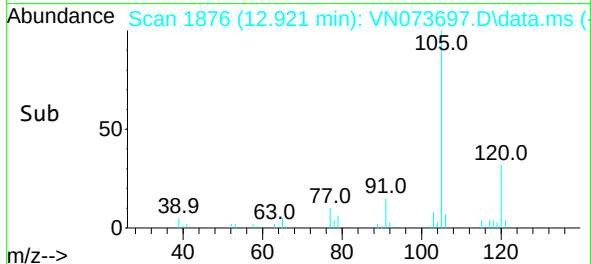
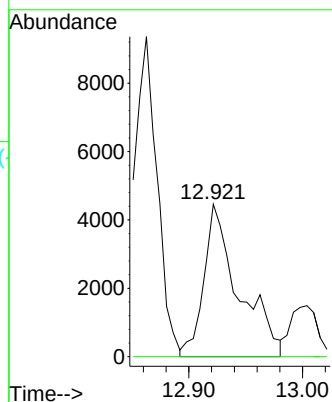
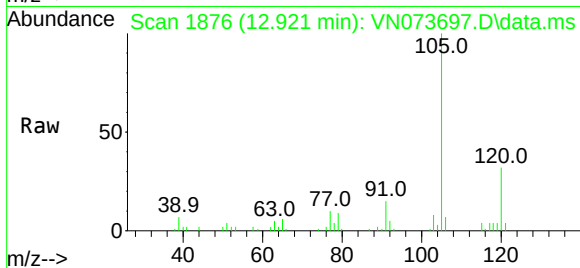
MW-14

Tgt Ion: 91 Resp: 9490

Ion Ratio Lower Upper

91 100

126 0.0 17.3 51.9#



#80

1,3,5-Trimethylbenzene

Concen: 1.259 ug/l

RT: 13.004 min Scan# 1890

Delta R.T. 0.006 min

Lab File: VN073697.D

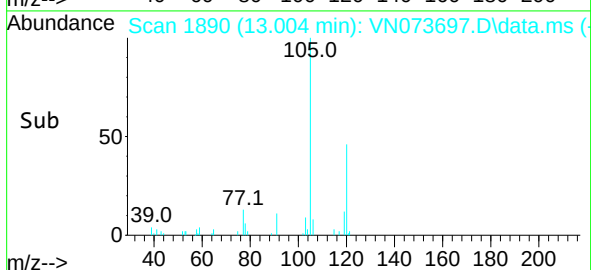
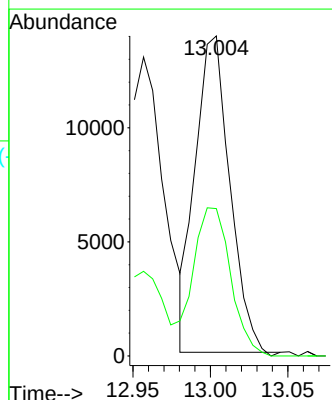
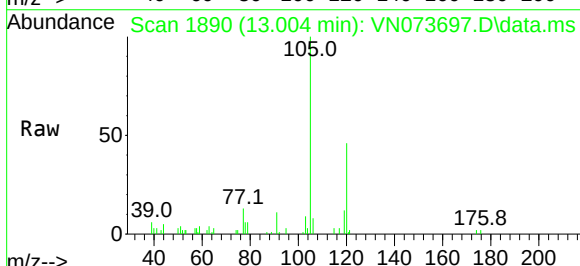
Acq: 02 Aug 2022 19:18

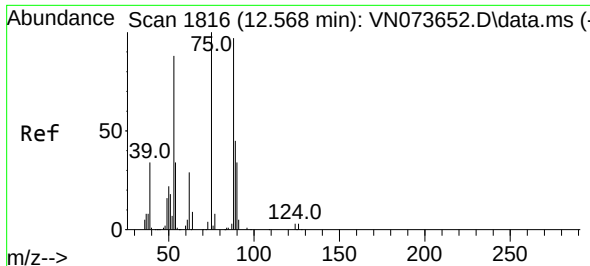
Tgt Ion: 105 Resp: 21387

Ion Ratio Lower Upper

105 100

120 52.1 24.9 74.7

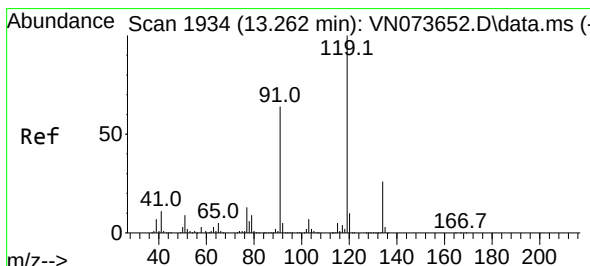
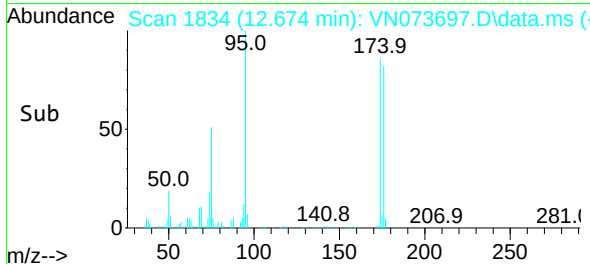
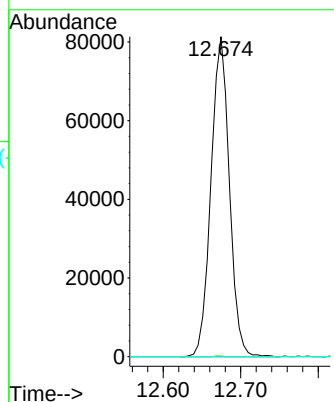
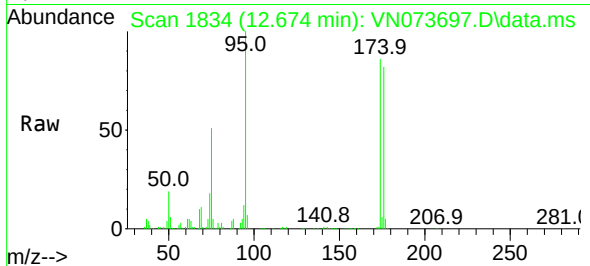




#81
trans-1,4-Dichloro-2-butene
Concen: 61.563 ug/l
RT: 12.674 min Scan# 1816
Delta R.T. 0.106 min
Lab File: VN073697.D
Acq: 02 Aug 2022 19:18

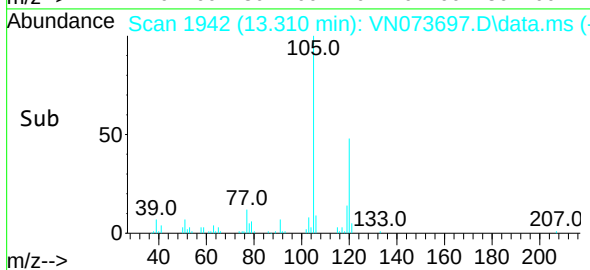
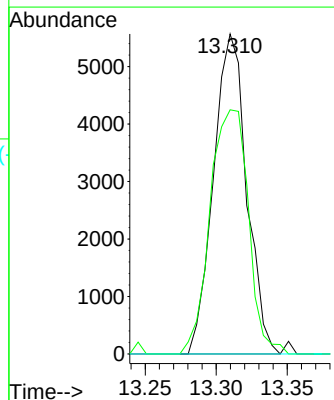
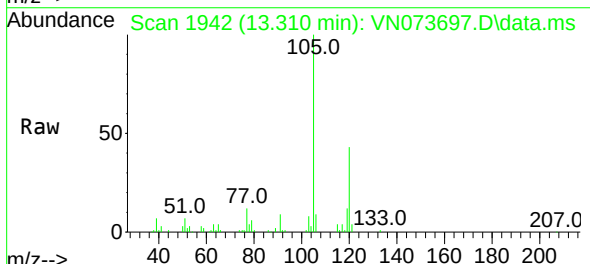
Instrument :
MSVOA_N
ClientSampleId :
MW-14

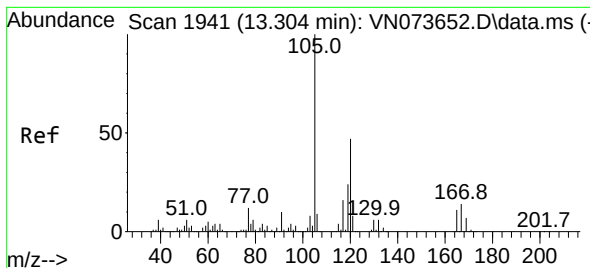
Tgt Ion: 75 Resp: 133937
Ion Ratio Lower Upper
75 100
53 0.1 78.0 117.0#
89 0.0 37.2 55.8#



#83
tert-Butylbenzene
Concen: 0.601 ug/l
RT: 13.310 min Scan# 1942
Delta R.T. 0.047 min
Lab File: VN073697.D
Acq: 02 Aug 2022 19:18

Tgt Ion: 119 Resp: 9034
Ion Ratio Lower Upper
119 100
91 88.2 31.6 94.8
134 0.0 13.7 41.1#





#84

1,2,4-Trimethylbenzene

Concen: 4.477 ug/l

RT: 13.310 min Scan# 1942

Delta R.T. 0.000 min

Lab File: VN073697.D

Acq: 02 Aug 2022 19:18

Instrument :

MSVOA_N

ClientSampleId :

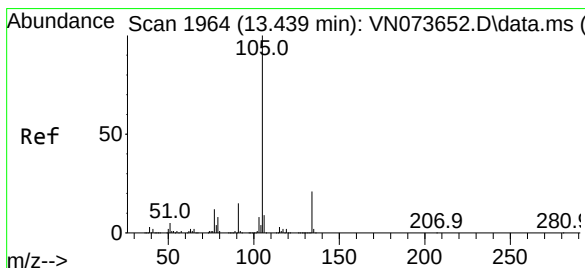
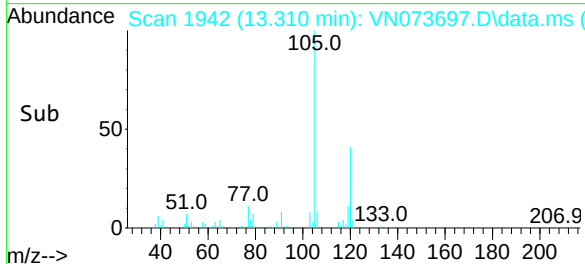
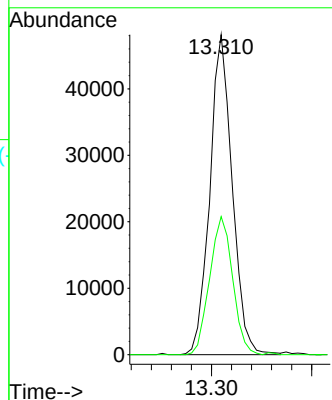
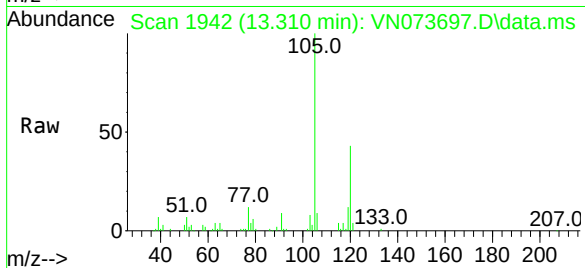
MW-14

Tgt Ion:105 Resp: 74776

Ion Ratio Lower Upper

105 100

120 44.3 23.3 69.8



#85

sec-Butylbenzene

Concen: 3.596 ug/l

RT: 13.310 min Scan# 1942

Delta R.T. -0.129 min

Lab File: VN073697.D

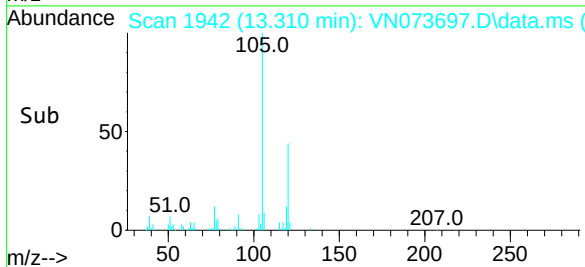
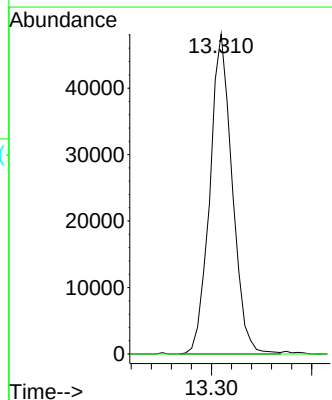
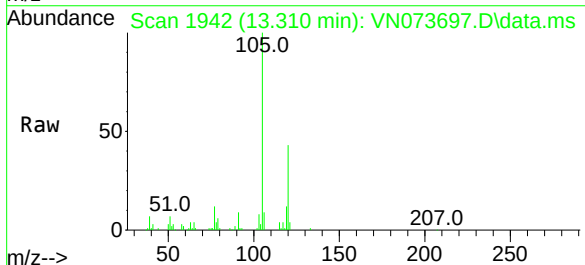
Acq: 02 Aug 2022 19:18

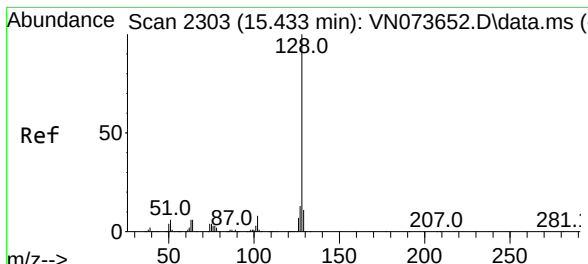
Tgt Ion:105 Resp: 74776

Ion Ratio Lower Upper

105 100

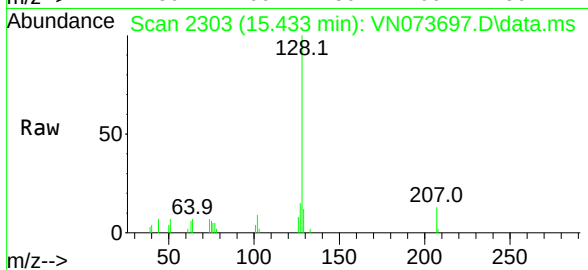
134 0.0 10.4 31.1#





#95
 Naphthalene
 Concen: 1.058 ug/l
 RT: 15.433 min Scan# 21
 Delta R.T. 0.000 min
 Lab File: VN073697.D
 Acq: 02 Aug 2022 19:18

Instrument :
 MSVOA_N
 ClientSampleId :
 MW-14



Tgt Ion:	128	Resp:	16954
Ion	Ratio	Lower	Upper
128	100		
127	13.7	10.3	15.5
129	10.8	8.6	13.0

