

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN042022\
 Data File : VN072107.D
 Acq On : 21 Apr 2022 03:54
 Operator : JC\MD
 Sample : N2482-12
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 44 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Apr 21 07:14:23 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N033022W.M
 Quant Title : SW846 8260
 QLast Update : Thu Mar 31 01:57:54 2022
 Response via : Initial Calibration

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

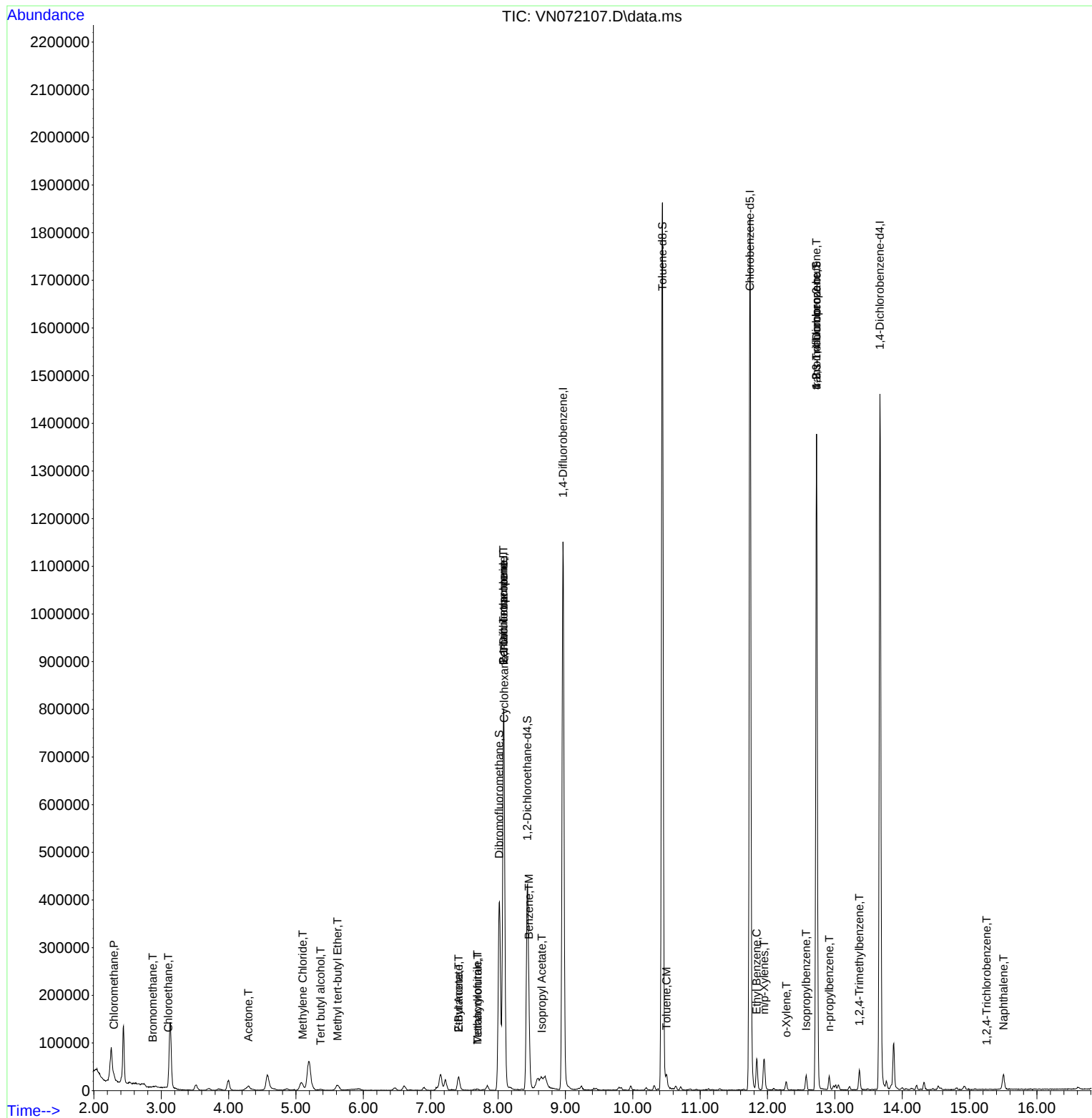
Internal Standards						
1) Pentafluorobenzene	8.081	168	634058	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.963	114	1087697	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.739	117	1143079	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.668	152	448281	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.434	65	338201	46.722	ug/l	0.00
Spiked Amount 50.000	Range 61 - 141		Recovery =	93.440%		
35) Dibromofluoromethane	8.016	113	304736	47.611	ug/l	0.00
Spiked Amount 50.000	Range 69 - 133		Recovery =	95.220%		
50) Toluene-d8	10.439	98	1365704	52.160	ug/l	0.00
Spiked Amount 50.000	Range 65 - 126		Recovery =	104.320%		
62) 4-Bromofluorobenzene	12.727	95	477813	56.426	ug/l	0.00
Spiked Amount 50.000	Range 58 - 135		Recovery =	112.860%		
Target Compounds						
					Qvalue	
3) Chloromethane	2.299	50	1859	0.291	ug/l	89
5) Bromomethane	2.875	94	1384	0.304	ug/l #	64
6) Chloroethane	3.104	64	6515	1.291	ug/l #	42
11) Tert butyl alcohol	5.363	59	4281	3.644	ug/l #	85
16) Acetone	4.293	43	14983	4.843	ug/l	93
18) Methyl Acetate	4.863	43	5990	Below Cal	#	71
19) Methyl tert-butyl Ether	5.616	73	13637	0.701	ug/l #	45
20) Methylene Chloride	5.098	84	1403	0.215	ug/l #	50
25) 2-Butanone	7.416	43	46672	10.465	ug/l #	45
29) Tetrahydrofuran	7.698	42	1534	0.531	ug/l	93
31) Cyclohexane	8.092	56	44087	4.479	ug/l #	80
36) 1,1-Dichloropropene	8.081	75	42231	4.725	ug/l #	49
37) Ethyl Acetate	7.416	43	46672	4.771	ug/l	97
38) Carbon Tetrachloride	8.081	117	55443	6.329	ug/l #	16
40) Benzene	8.457	78	91490	3.240	ug/l	96
41) Methacrylonitrile	7.692	41	1043	0.218	ug/l #	24
43) Isopropyl Acetate	8.651	43	39137	2.405	ug/l #	54
52) Toluene	10.498	92	9727	0.545	ug/l	98
67) Ethyl Benzene	11.839	91	49394	1.275	ug/l	99
68) m/p-Xylenes	11.951	106	23689	1.591	ug/l	99
69) o-Xylene	12.280	106	5458	0.369	ug/l	92
73) Isopropylbenzene	12.574	105	20824	0.551	ug/l	100
76) 1,2,3-Trichloropropane	12.727	75	229892	22.137	ug/l #	1
78) n-propylbenzene	12.916	91	22960	0.578	ug/l	96
81) trans-1,4-Dichloro-2-b...	12.727	75	229892	68.603	ug/l #	10
84) 1,2,4-Trimethylbenzene	13.363	105	24682	0.845	ug/l	99
93) 1,2,4-Trichlorobenzene	15.251	180	57	2.093	ug/l #	12
95) Naphthalene	15.504	128	36437	5.452	ug/l	99

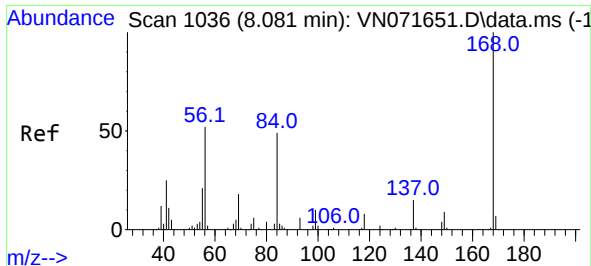
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN042022\
Data File : VN072107.D
Acq On : 21 Apr 2022 03:54
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Sample : N2482-12
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 44 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :

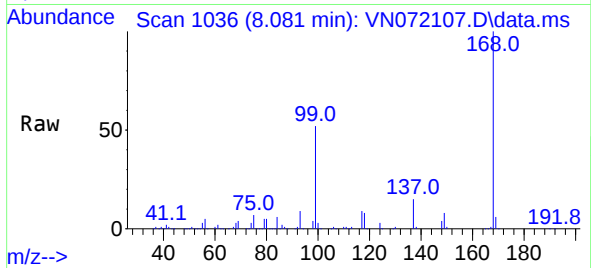
Quant Time: Apr 21 07:14:23 2022
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N033022W.M
Quant Title : SW846 8260
QLast Update : Thu Mar 31 01:57:54 2022
Response via : Initial Calibration



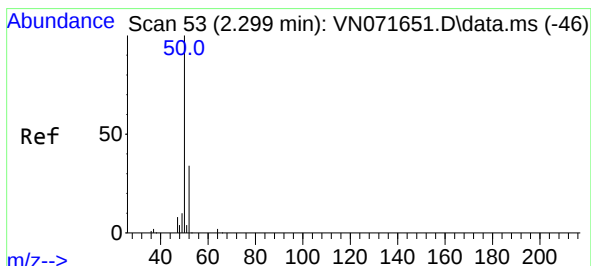
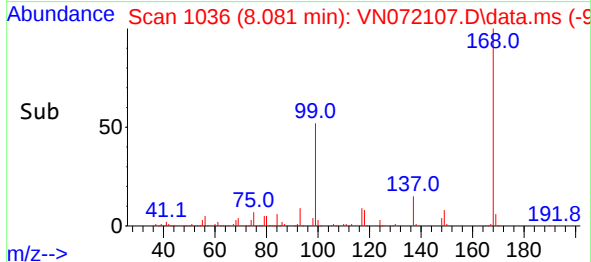
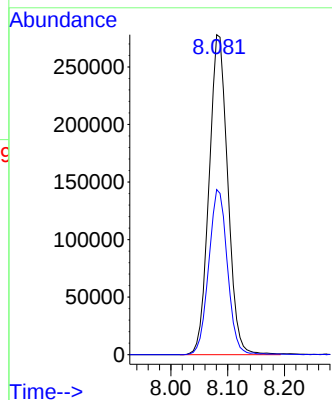


#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.081 min Scan# 1036
Delta R.T. -0.000 min
Lab File: VN072107.D
Acq: 21 Apr 2022 03:54

Instrument :
MSVOA_N
ClientSampleId :

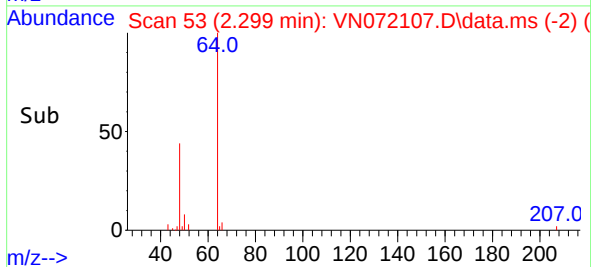
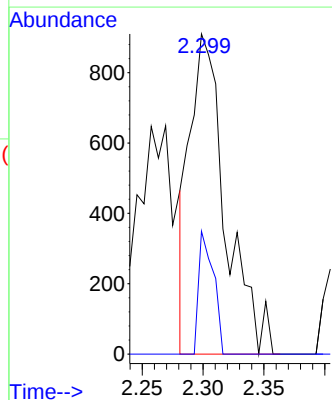
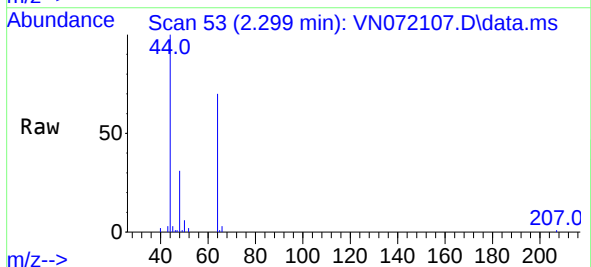


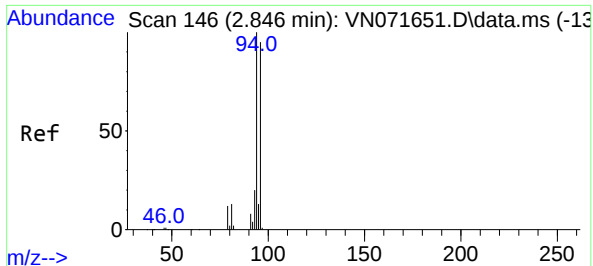
Tgt Ion:168 Resp: 634058
Ion Ratio Lower Upper
168 100
99 51.6 42.3 63.5



#3
Chloromethane
Concen: 0.291 ug/l
RT: 2.299 min Scan# 53
Delta R.T. -0.000 min
Lab File: VN072107.D
Acq: 21 Apr 2022 03:54

Tgt Ion: 50 Resp: 1859
Ion Ratio Lower Upper
50 100
52 38.4 25.7 38.5

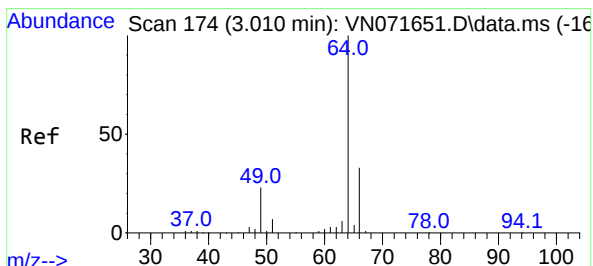
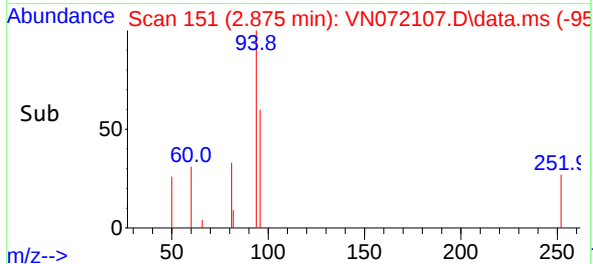
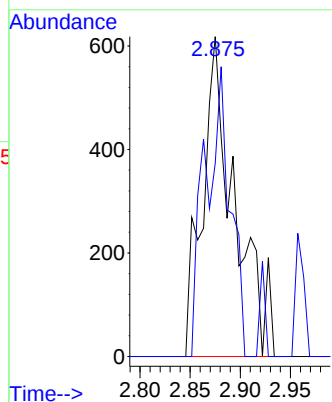
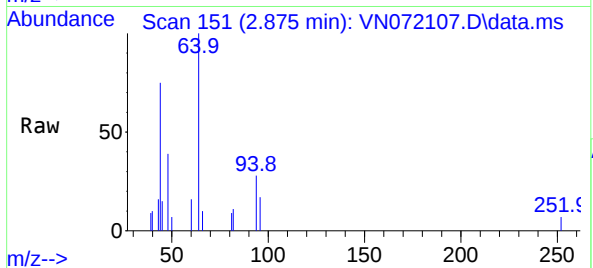




#5
Bromomethane
Concen: 0.304 ug/l
RT: 2.875 min Scan# 11
Delta R.T. 0.029 min
Lab File: VN072107.D
Acq: 21 Apr 2022 03:54

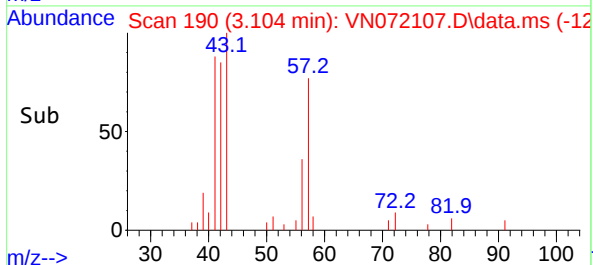
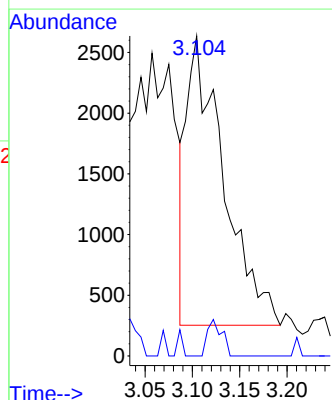
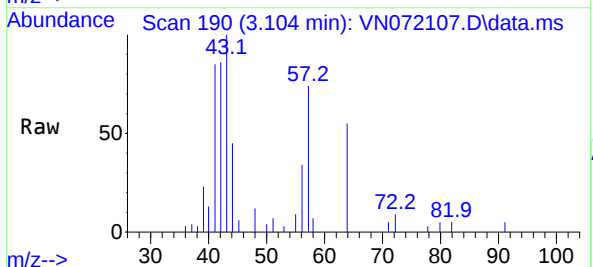
Instrument :
MSVOA_N
ClientSampleId :

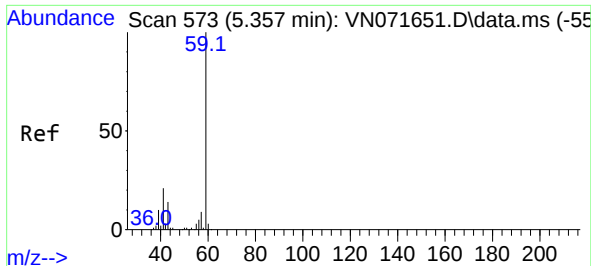
Tgt Ion: 94 Resp: 1384
Ion Ratio Lower Upper
94 100
96 60.4 76.0 114.0#



#6
Chloroethane
Concen: 1.291 ug/l
RT: 3.104 min Scan# 190
Delta R.T. 0.094 min
Lab File: VN072107.D
Acq: 21 Apr 2022 03:54

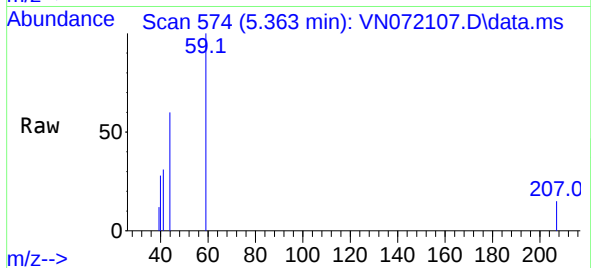
Tgt Ion: 64 Resp: 6515
Ion Ratio Lower Upper
64 100
66 0.0 26.2 39.4#



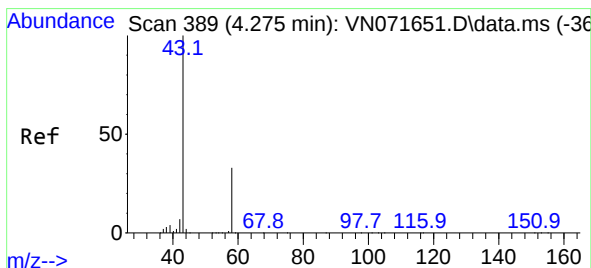
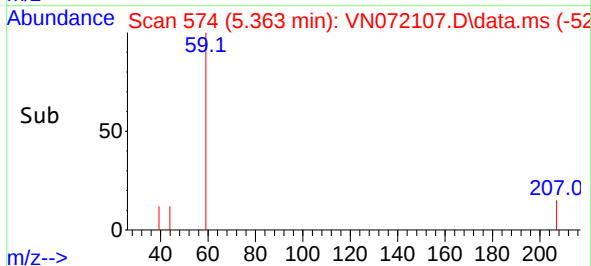
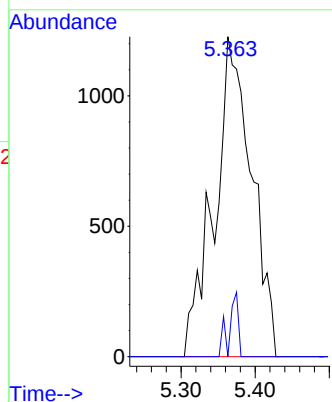


#11
Tert butyl alcohol
Concen: 3.644 ug/l
RT: 5.363 min Scan# 51
Delta R.T. 0.006 min
Lab File: VN072107.D
Acq: 21 Apr 2022 03:54

Instrument :
MSVOA_N
ClientSampleId :

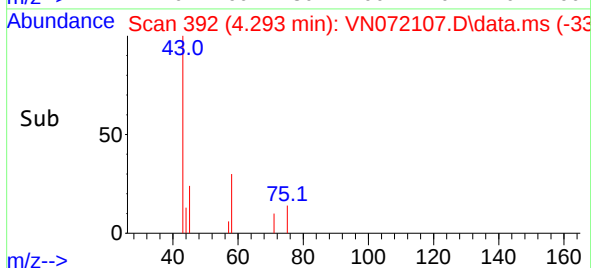
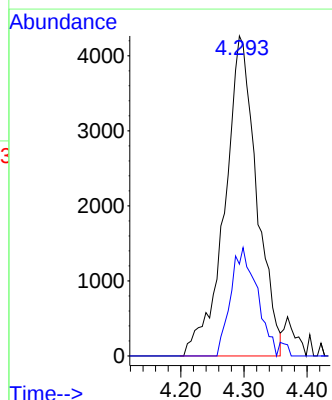
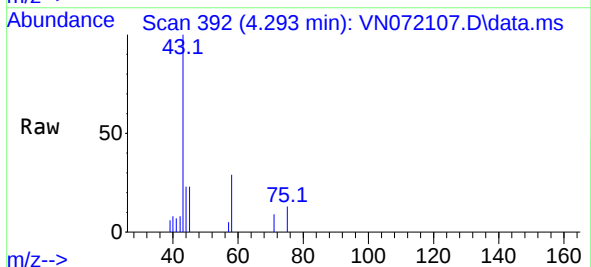


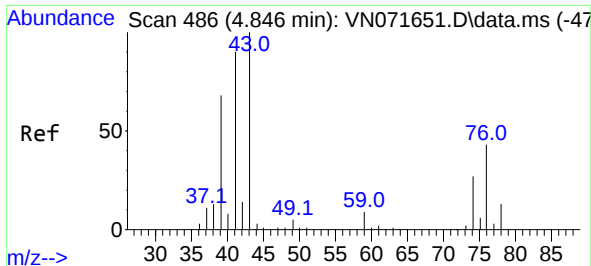
Tgt Ion: 59 Resp: 4281
Ion Ratio Lower Upper
59 100
57 4.9 8.3 12.5#



#16
Acetone
Concen: 4.843 ug/l
RT: 4.293 min Scan# 392
Delta R.T. 0.018 min
Lab File: VN072107.D
Acq: 21 Apr 2022 03:54

Tgt Ion: 43 Resp: 14983
Ion Ratio Lower Upper
43 100
58 28.7 26.0 39.0

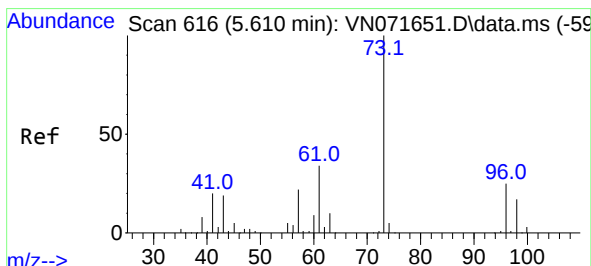
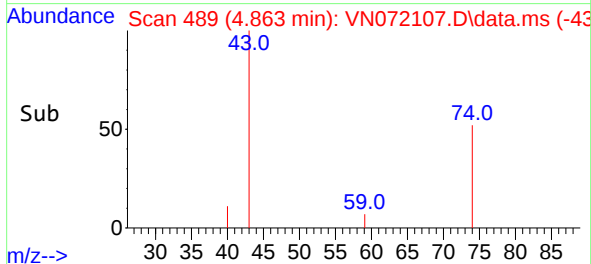
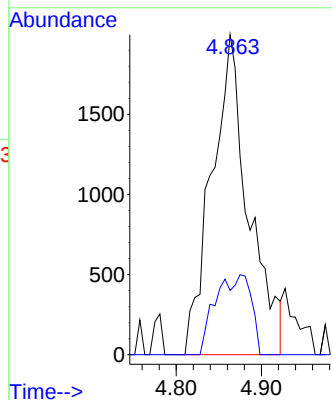
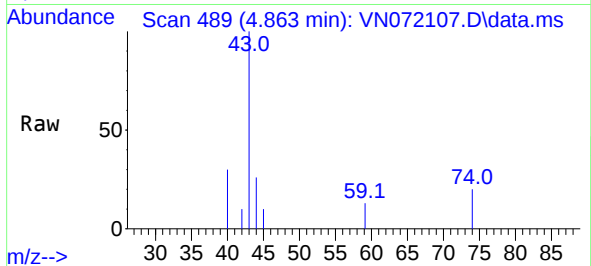




#18
Methyl Acetate
Concen: Below Cal
RT: 4.863 min Scan# 41
Delta R.T. 0.017 min
Lab File: VN072107.D
Acq: 21 Apr 2022 03:54

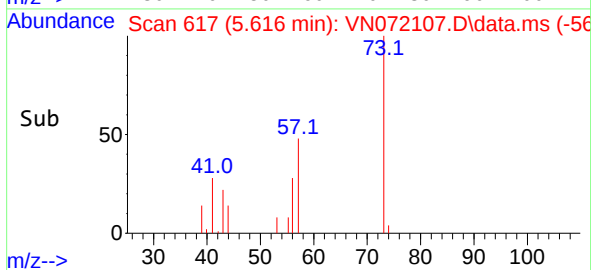
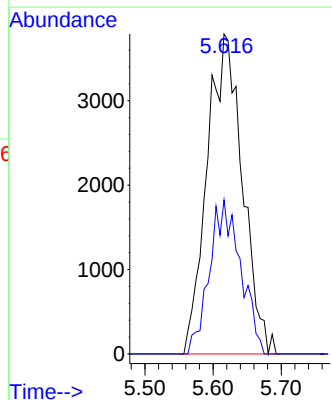
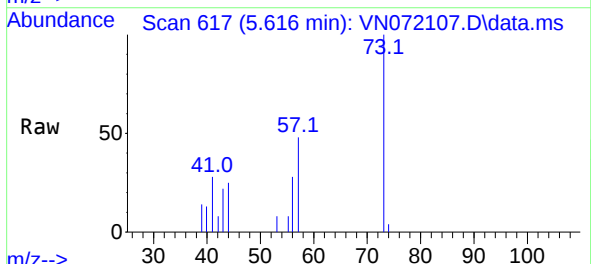
Instrument :
MSVOA_N
ClientSampleId :

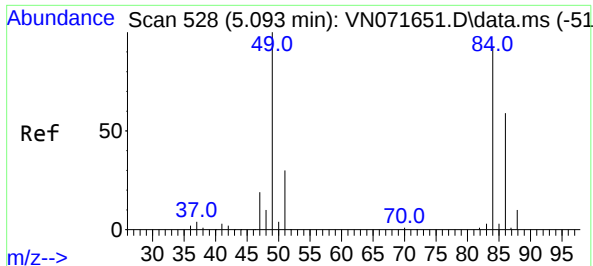
Tgt Ion: 43 Resp: 5990
Ion Ratio Lower Upper
43 100
74 12.1 21.6 32.4#



#19
Methyl tert-butyl Ether
Concen: 0.701 ug/l
RT: 5.616 min Scan# 617
Delta R.T. 0.006 min
Lab File: VN072107.D
Acq: 21 Apr 2022 03:54

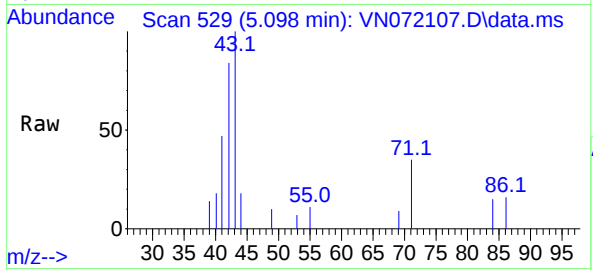
Tgt Ion: 73 Resp: 13637
Ion Ratio Lower Upper
73 100
57 48.1 17.6 26.4#



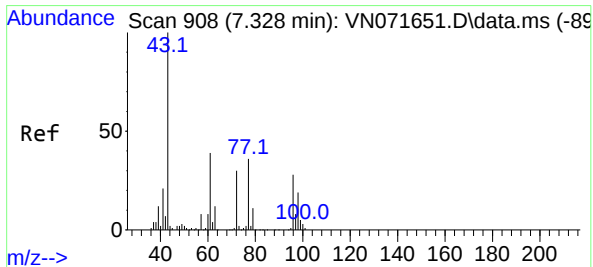
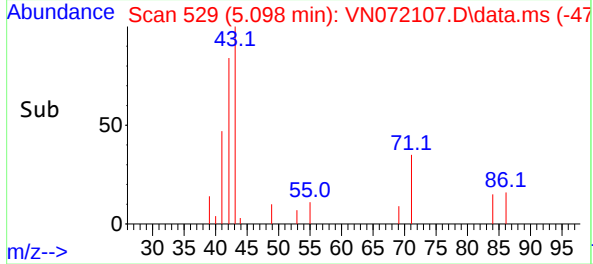
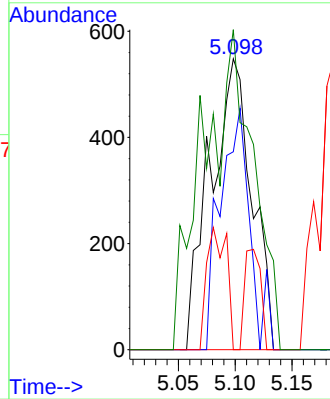


#20
Methylene Chloride
Concen: 0.215 ug/l
RT: 5.098 min Scan# 51
Delta R.T. 0.005 min
Lab File: VN072107.D
Acq: 21 Apr 2022 03:54

Instrument :
MSVOA_N
ClientSampleId :

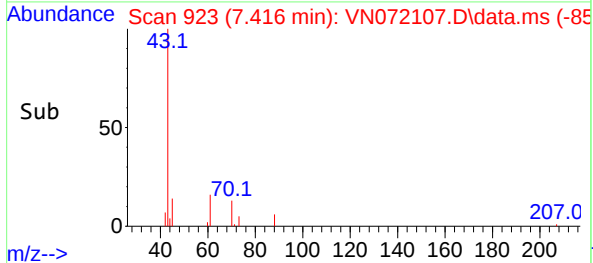
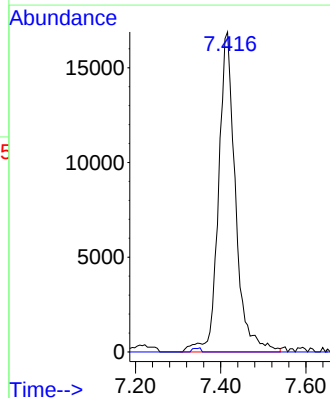
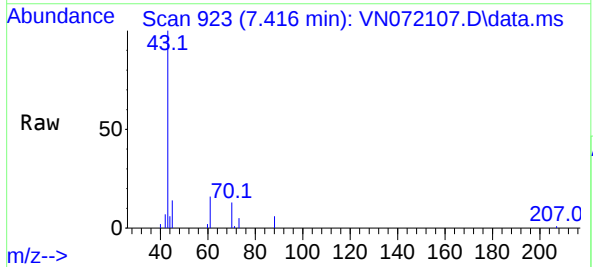


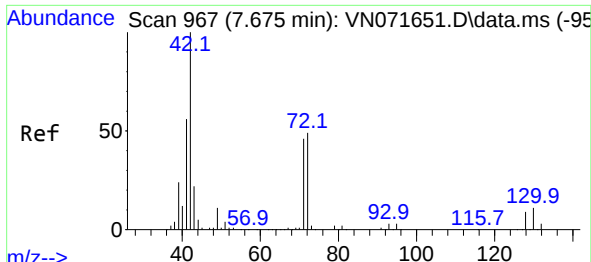
Tgt Ion: 84 Resp: 1403
Ion Ratio Lower Upper
84 100
49 68.1 88.3 132.5#
51 0.0 28.2 42.2#
86 110.0 50.6 76.0#



#25
2-Butanone
Concen: 10.465 ug/l
RT: 7.416 min Scan# 923
Delta R.T. 0.088 min
Lab File: VN072107.D
Acq: 21 Apr 2022 03:54

Tgt Ion: 43 Resp: 46672
Ion Ratio Lower Upper
43 100
72 0.0 23.7 35.5#





#29

Tetrahydrofuran

Concen: 0.531 ug/l

RT: 7.698 min Scan# 91

Delta R.T. 0.023 min

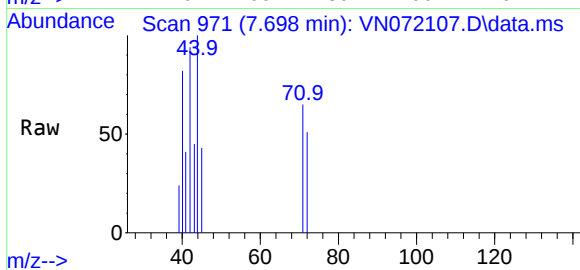
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Instrument :

MSVOA_N

ClientSampleId :



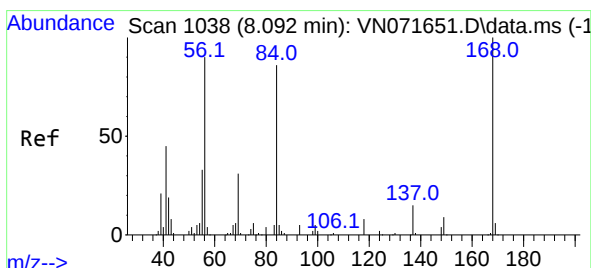
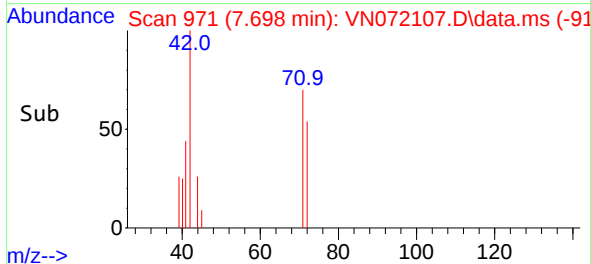
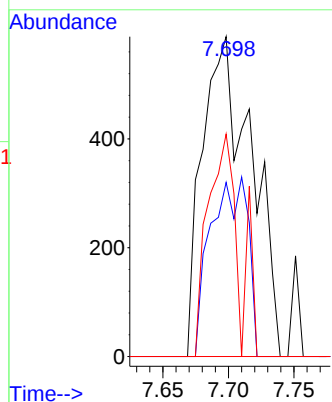
Tgt Ion: 42 Resp: 1534

Ion Ratio Lower Upper

42 100

72 42.3 39.7 59.5

71 43.7 36.6 55.0



#31

Cyclohexane

Concen: 4.479 ug/l

RT: 8.092 min Scan# 1038

Delta R.T. 0.000 min

Lab File: VN072107.D

Acq: 21 Apr 2022 03:54

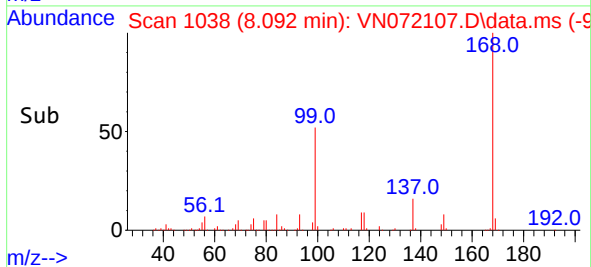
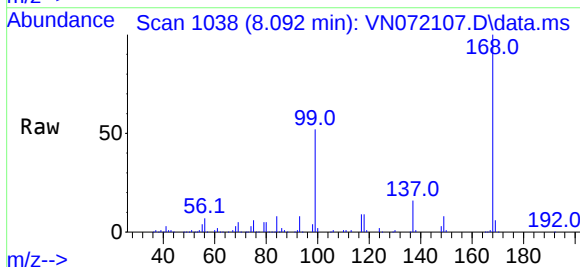
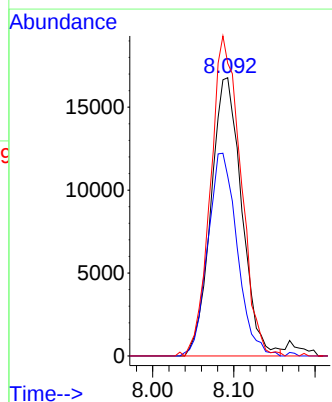
Tgt Ion: 56 Resp: 44087

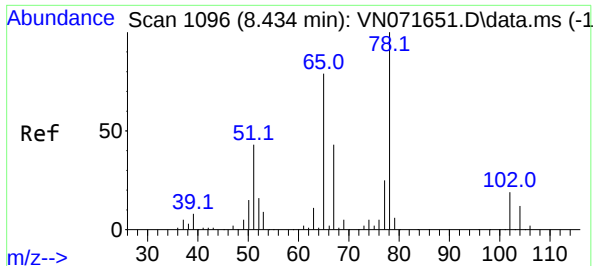
Ion Ratio Lower Upper

56 100

69 64.6 27.8 41.8#

84 104.1 76.9 115.3

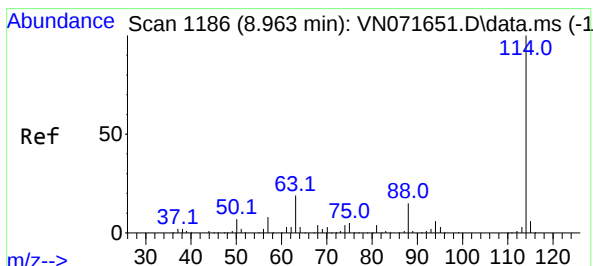
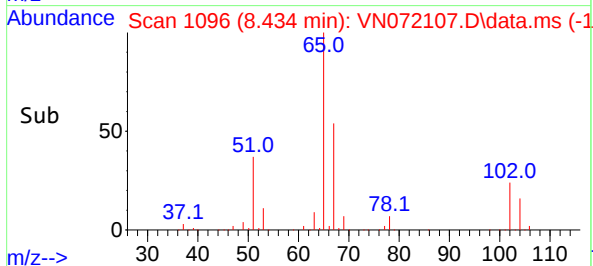
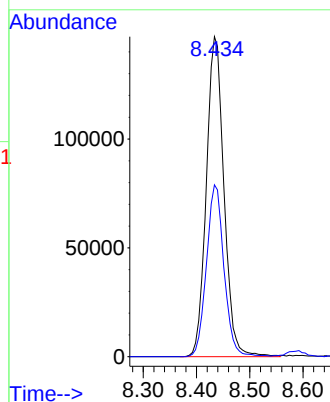
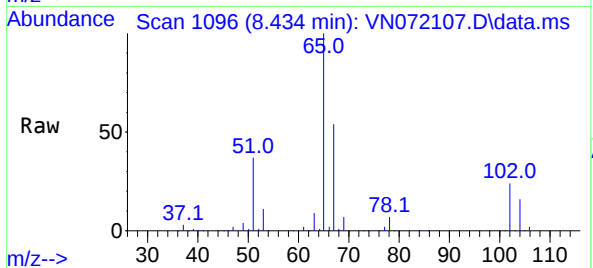




#33
1,2-Dichloroethane-d4
Concen: 46.722 ug/l
RT: 8.434 min Scan# 1096
Delta R.T. -0.000 min
Lab File: VN072107.D
Acq: 21 Apr 2022 03:54

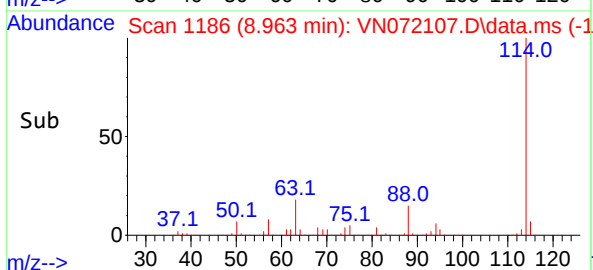
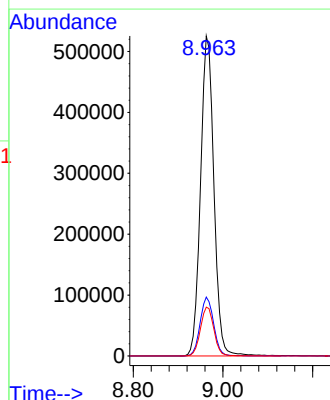
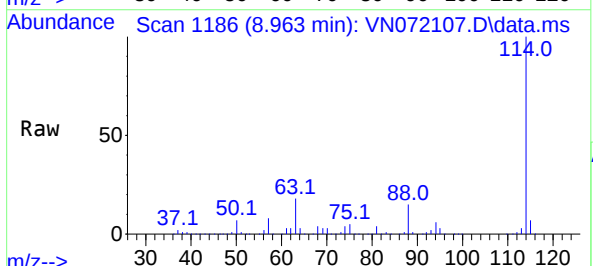
Instrument :
MSVOA_N
ClientSampleId :

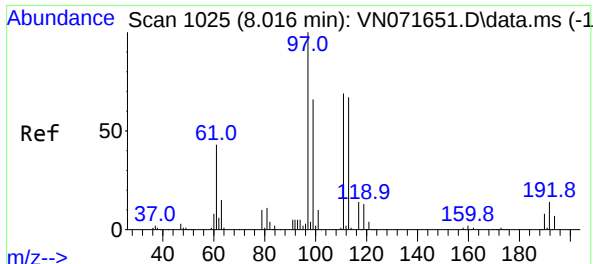
Tgt Ion: 65 Resp: 338201
Ion Ratio Lower Upper
65 100
67 53.4 0.0 104.8



#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.963 min Scan# 1186
Delta R.T. -0.000 min
Lab File: VN072107.D
Acq: 21 Apr 2022 03:54

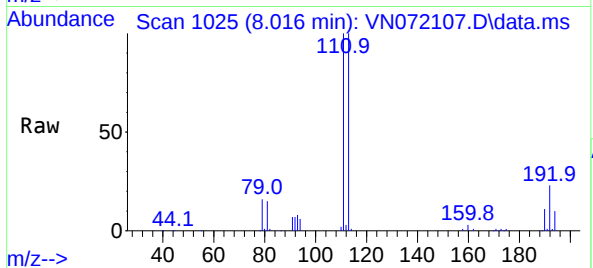
Tgt Ion:114 Resp: 1087697
Ion Ratio Lower Upper
114 100
63 18.4 0.0 40.0
88 15.3 0.0 32.6



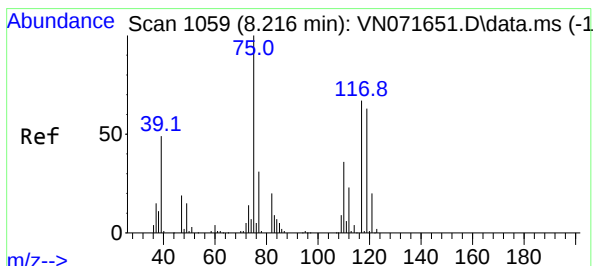
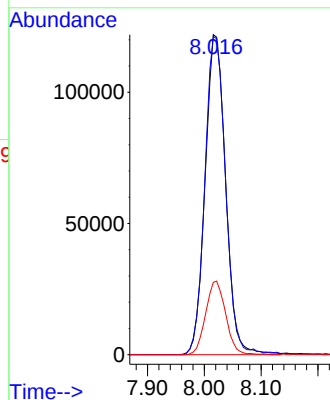
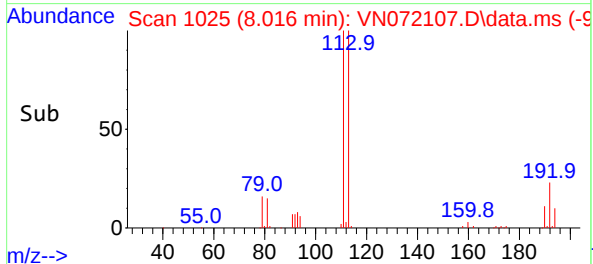


#35
Dibromofluoromethane
Concen: 47.611 ug/l
RT: 8.016 min Scan# 1035
Delta R.T. -0.000 min
Lab File: VN072107.D
Acq: 21 Apr 2022 03:54

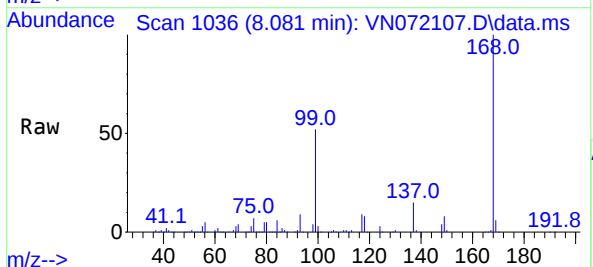
Instrument :
MSVOA_N
ClientSampleId :



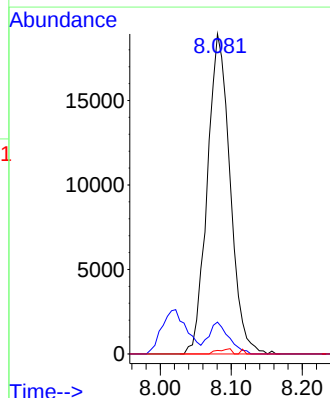
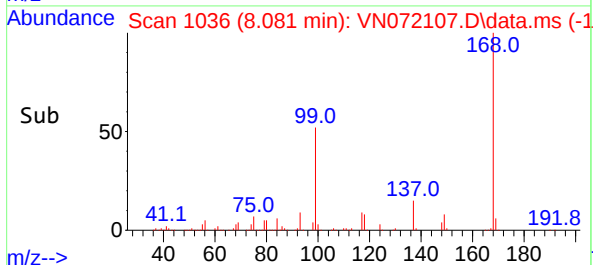
Tgt Ion:113 Resp: 304736
Ion Ratio Lower Upper
113 100
111 100.4 81.4 122.0
192 22.5 17.0 25.6

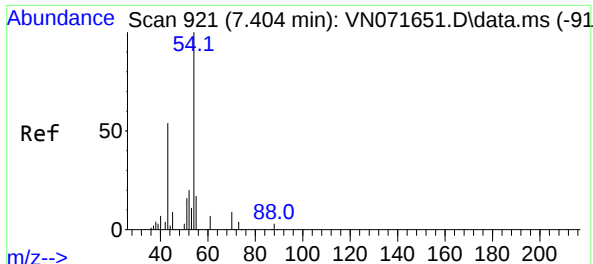


#36
1,1-Dichloropropene
Concen: 4.725 ug/l
RT: 8.081 min Scan# 1036
Delta R.T. -0.135 min
Lab File: VN072107.D
Acq: 21 Apr 2022 03:54



Tgt Ion: 75 Resp: 42231
Ion Ratio Lower Upper
75 100
110 8.8 18.3 54.8#
77 0.0 25.1 37.7#





#37

Ethyl Acetate

Concen: 4.771 ug/l

RT: 7.416 min Scan# 91

Delta R.T. 0.012 min

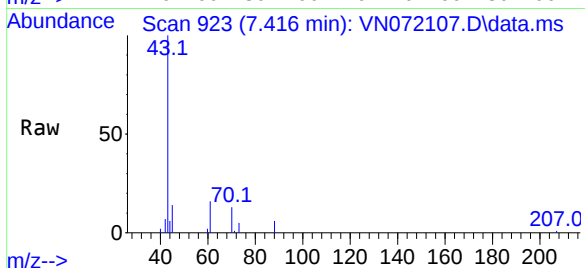
Lab File: VN072107.D

Acq: 21 Apr 2022 03:54

Instrument :

MSVOA_N

ClientSampleId :



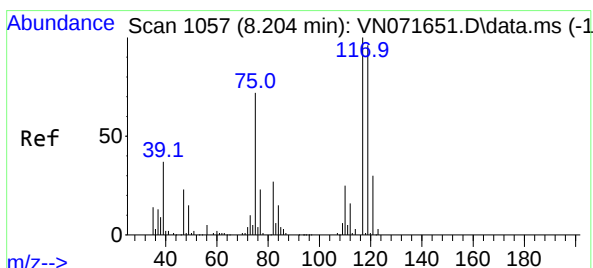
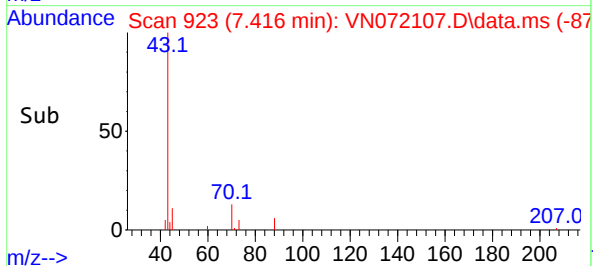
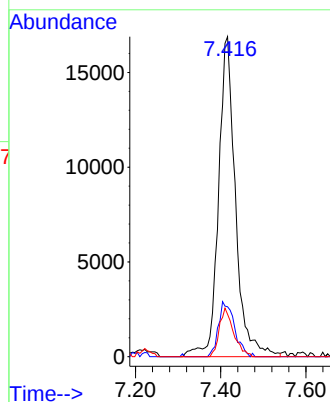
Tgt Ion: 43 Resp: 46672

Ion Ratio Lower Upper

43 100

61 16.3 11.8 17.6

70 12.7 9.3 13.9



#38

Carbon Tetrachloride

Concen: 6.329 ug/l

RT: 8.081 min Scan# 1036

Delta R.T. -0.123 min

Lab File: VN072107.D

Acq: 21 Apr 2022 03:54

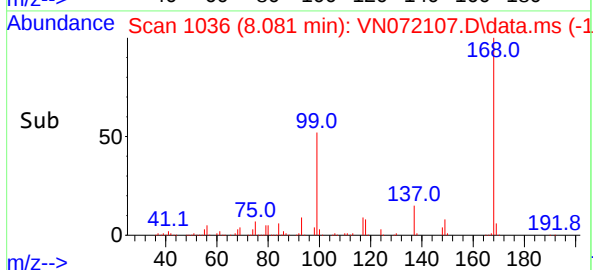
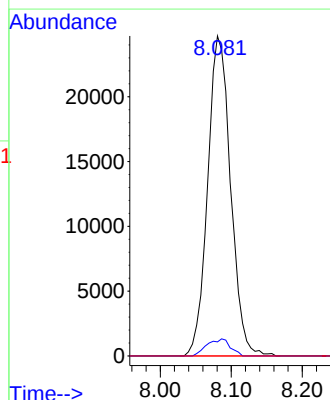
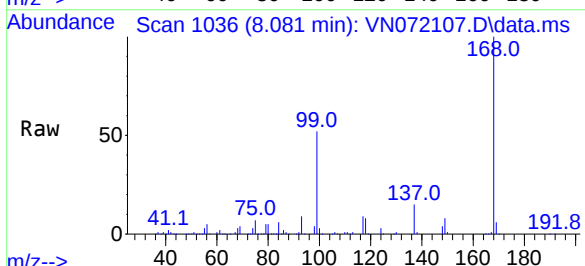
Tgt Ion: 117 Resp: 55443

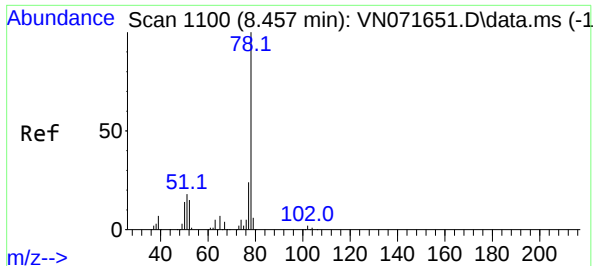
Ion Ratio Lower Upper

117 100

119 4.4 75.8 113.8#

121 0.0 24.6 37.0#

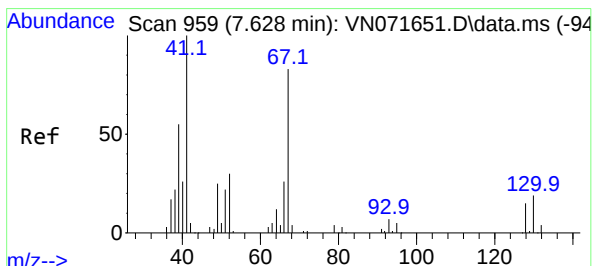
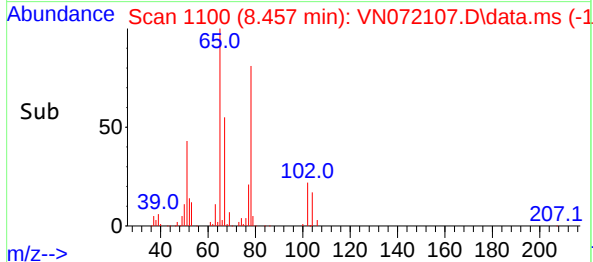
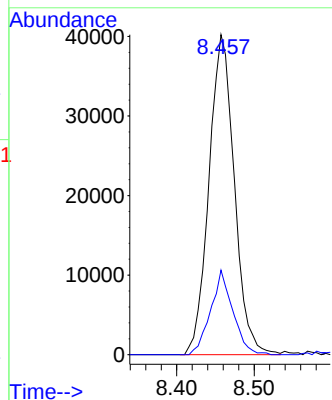
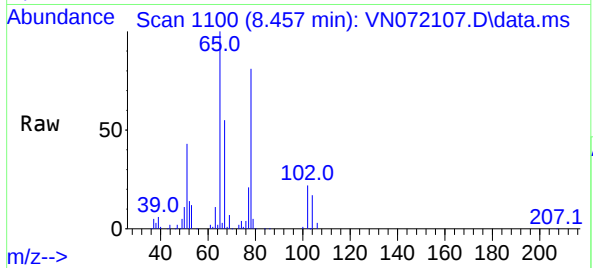




#40
Benzene
Concen: 3.240 ug/l
RT: 8.457 min Scan# 1100
Delta R.T. 0.000 min
Lab File: VN072107.D
Acq: 21 Apr 2022 03:54

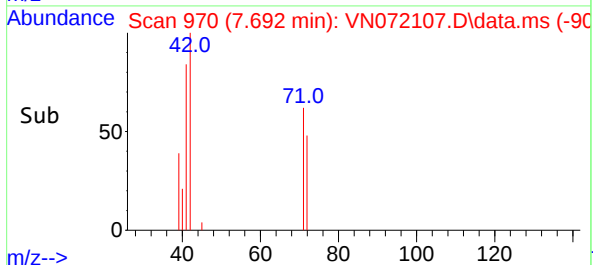
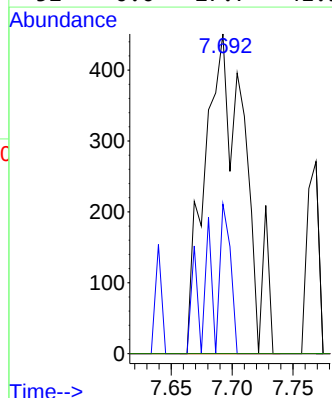
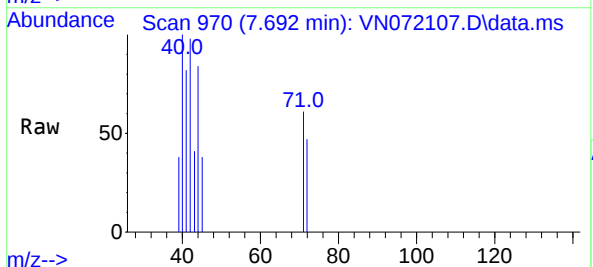
Instrument :
MSVOA_N
ClientSampleId :

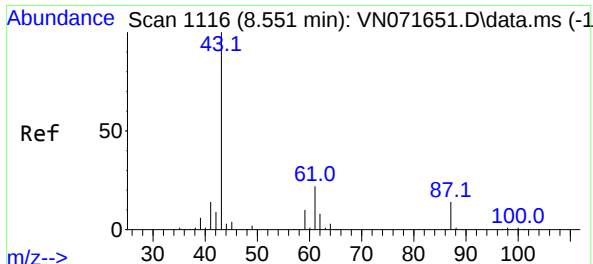
Tgt Ion: 78 Resp: 91490
Ion Ratio Lower Upper
78 100
77 26.4 19.4 29.0



#41
Methacrylonitrile
Concen: 0.218 ug/l
RT: 7.692 min Scan# 970
Delta R.T. 0.064 min
Lab File: VN072107.D
Acq: 21 Apr 2022 03:54

Tgt Ion: 41 Resp: 1043
Ion Ratio Lower Upper
41 100
39 18.7 48.6 73.0#
67 0.0 73.4 110.2#
52 0.0 27.7 41.5#

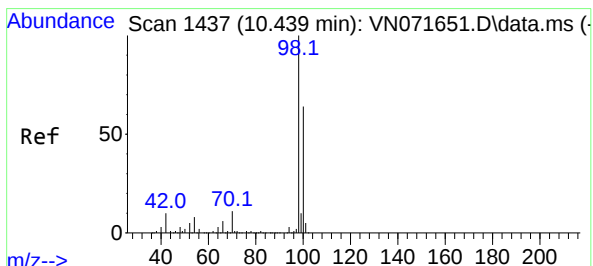
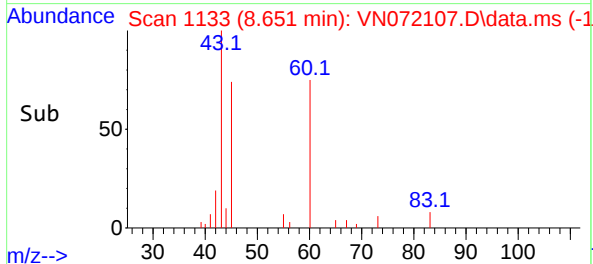
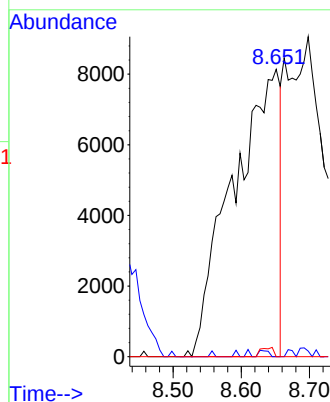
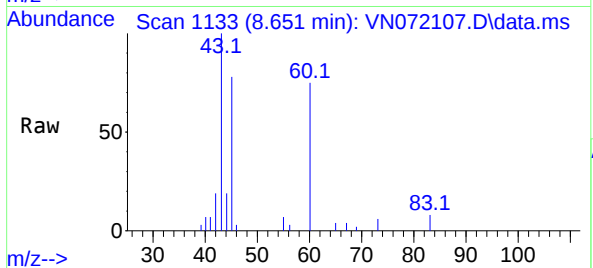




#43
Isopropyl Acetate
Concen: 2.405 ug/l
RT: 8.651 min Scan# 1116
Delta R.T. 0.100 min
Lab File: VN072107.D
Acq: 21 Apr 2022 03:54

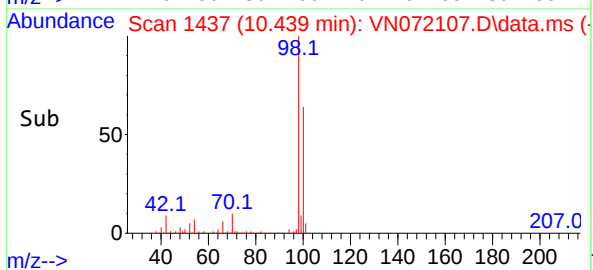
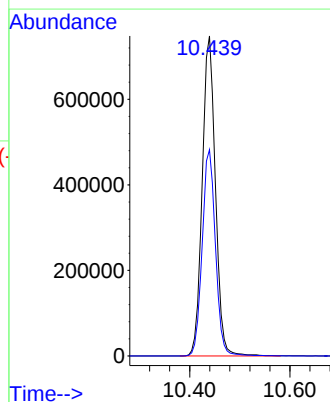
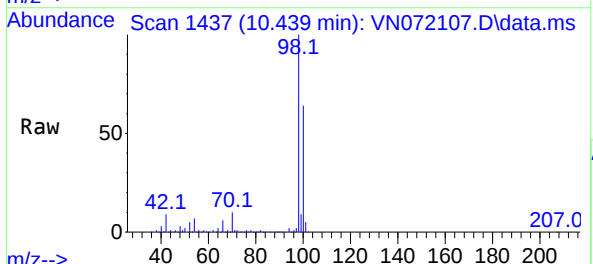
Instrument :
MSVOA_N
ClientSampleId :

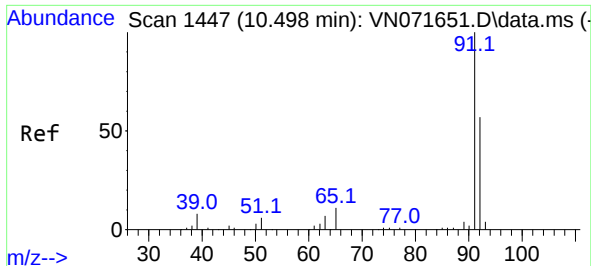
Tgt Ion: 43 Resp: 39137
Ion Ratio Lower Upper
43 100
61 0.0 21.9 32.9#
87 0.8 12.0 18.0#



#50
Toluene-d8
Concen: 52.160 ug/l
RT: 10.439 min Scan# 1437
Delta R.T. 0.000 min
Lab File: VN072107.D
Acq: 21 Apr 2022 03:54

Tgt Ion: 98 Resp: 1365704
Ion Ratio Lower Upper
98 100
100 64.9 52.6 78.8

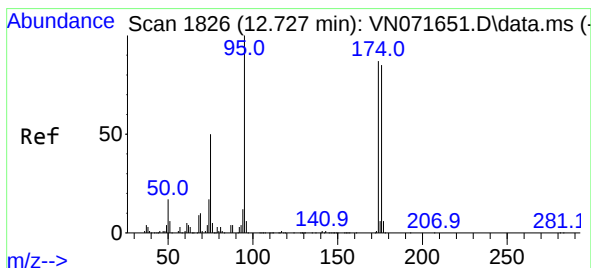
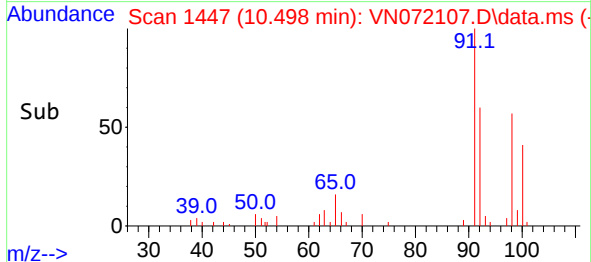
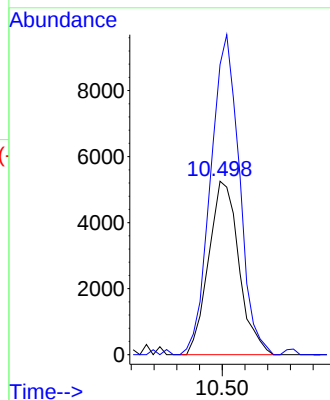
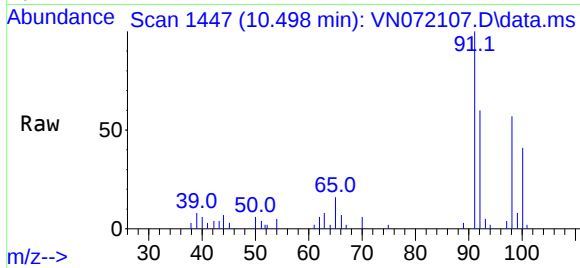




#52
Toluene
Concen: 0.545 ug/l
RT: 10.498 min Scan# 1447
Delta R.T. 0.000 min
Lab File: VN072107.D
Acq: 21 Apr 2022 03:54

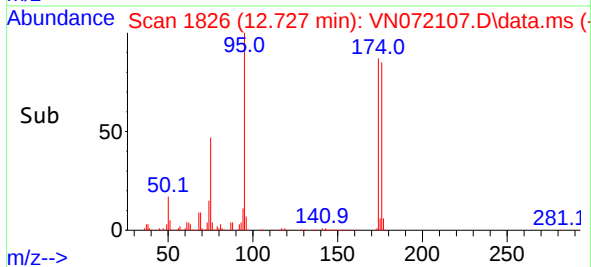
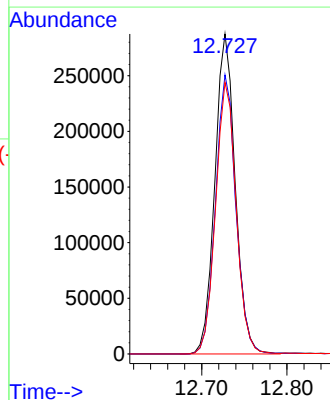
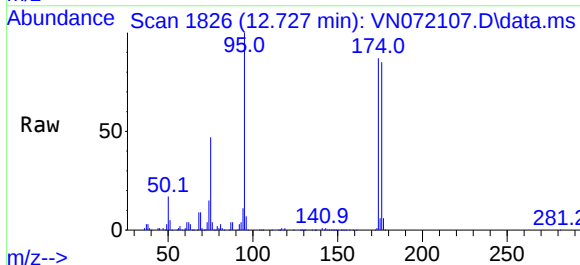
Instrument :
MSVOA_N
ClientSampleId :

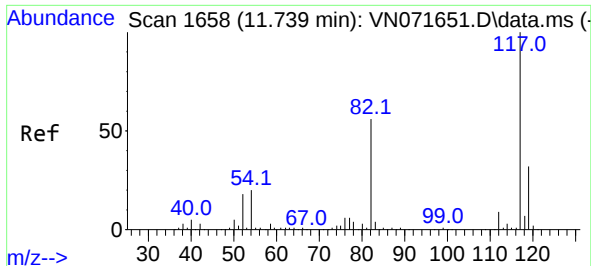
Tgt Ion: 92 Resp: 9727
Ion Ratio Lower Upper
92 100
91 175.3 138.6 207.8



#62
4-Bromofluorobenzene
Concen: 56.426 ug/l
RT: 12.727 min Scan# 1826
Delta R.T. 0.000 min
Lab File: VN072107.D
Acq: 21 Apr 2022 03:54

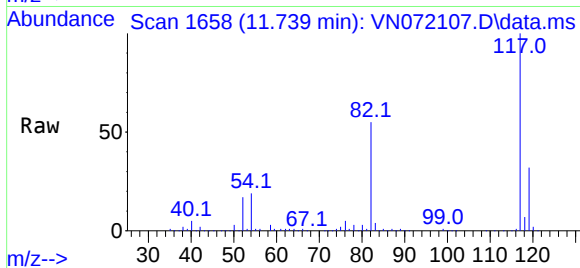
Tgt Ion: 95 Resp: 477813
Ion Ratio Lower Upper
95 100
174 87.5 0.0 167.6
176 85.6 0.0 163.4



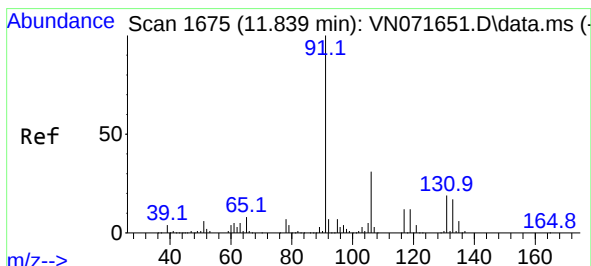
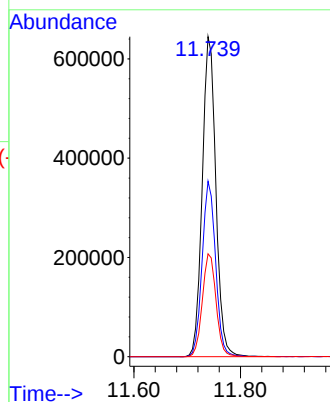
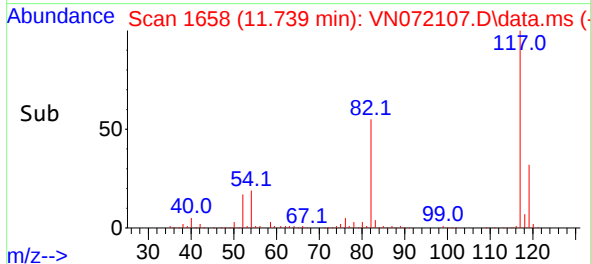


#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.739 min Scan# 117
Delta R.T. 0.000 min
Lab File: VN072107.D
Acq: 21 Apr 2022 03:54

Instrument :
MSVOA_N
ClientSampleId :

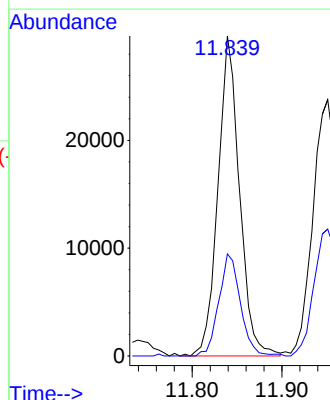
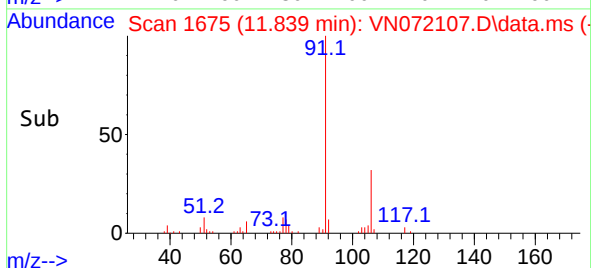
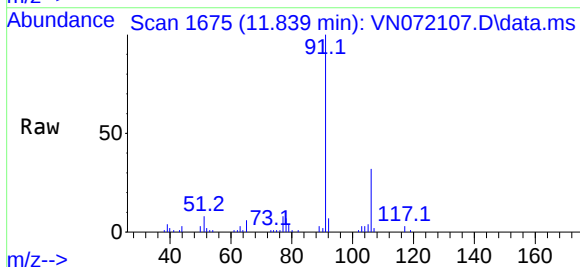


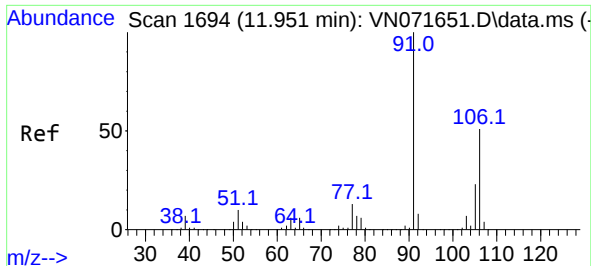
Tgt Ion:117 Resp: 1143079
Ion Ratio Lower Upper
117 100
82 54.8 44.2 66.2
119 32.2 25.4 38.0



#67
Ethyl Benzene
Concen: 1.275 ug/l
RT: 11.839 min Scan# 1675
Delta R.T. 0.000 min
Lab File: VN072107.D
Acq: 21 Apr 2022 03:54

Tgt Ion: 91 Resp: 49394
Ion Ratio Lower Upper
91 100
106 31.9 24.9 37.3

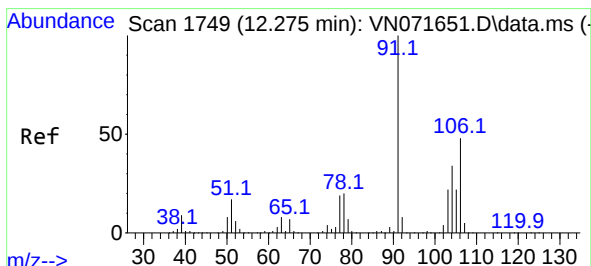
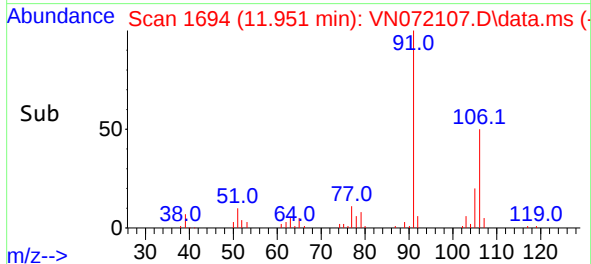
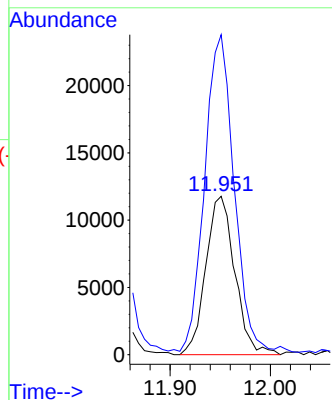
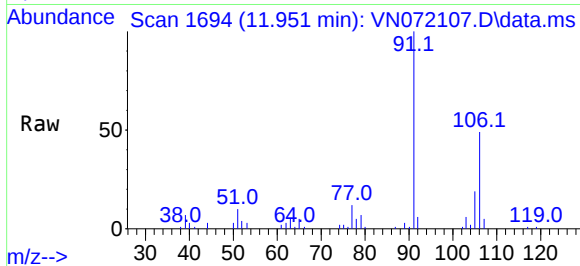




#68
m/p-Xylenes
Concen: 1.591 ug/l
RT: 11.951 min Scan# 11
Delta R.T. -0.000 min
Lab File: VN072107.D
Acq: 21 Apr 2022 03:54

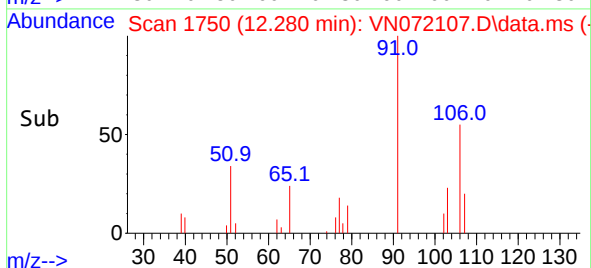
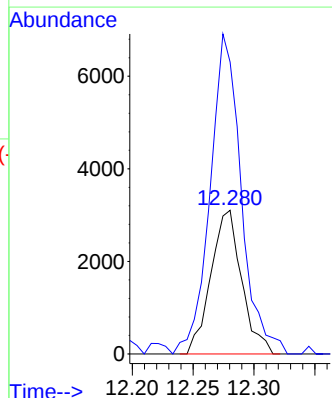
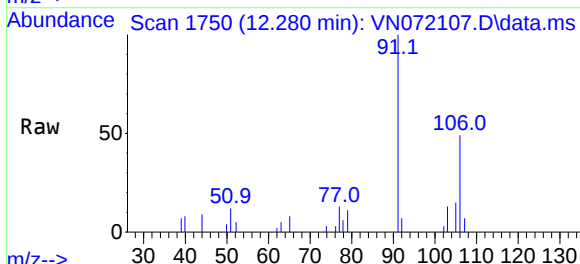
Instrument :
MSVOA_N
ClientSampleId :

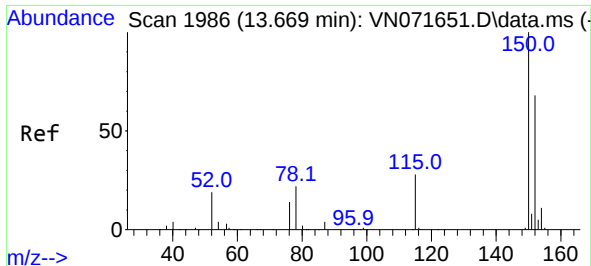
Tgt Ion:106 Resp: 23689
Ion Ratio Lower Upper
106 100
91 200.1 158.9 238.3



#69
o-Xylene
Concen: 0.369 ug/l
RT: 12.280 min Scan# 1750
Delta R.T. 0.005 min
Lab File: VN072107.D
Acq: 21 Apr 2022 03:54

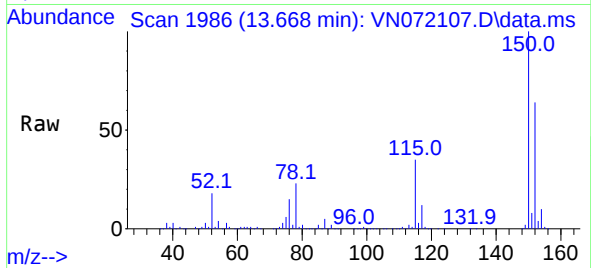
Tgt Ion:106 Resp: 5458
Ion Ratio Lower Upper
106 100
91 225.1 106.0 318.0



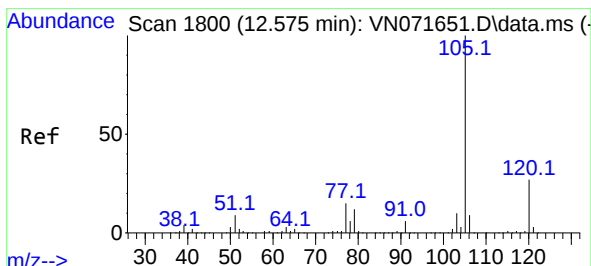
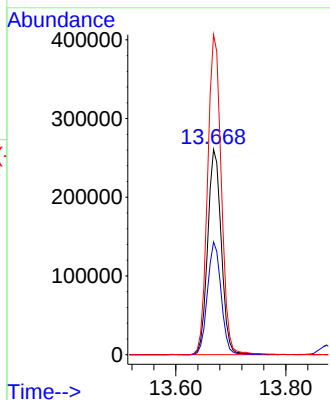
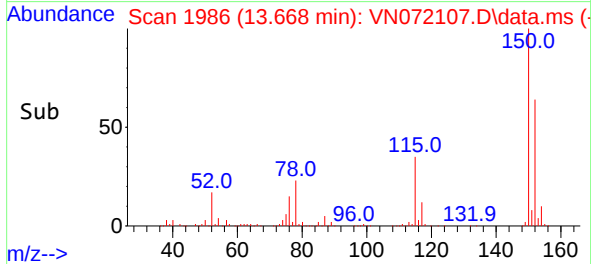


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.668 min Scan# 1986
Delta R.T. -0.001 min
Lab File: VN072107.D
Acq: 21 Apr 2022 03:54

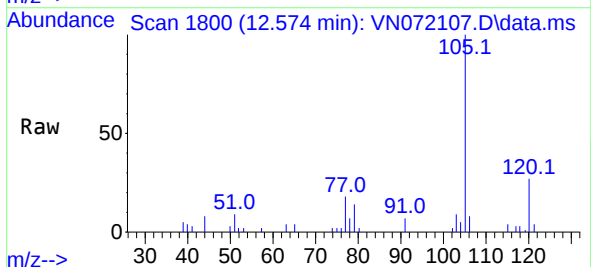
Instrument :
MSVOA_N
ClientSampleId :



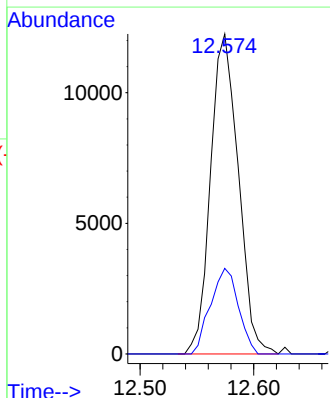
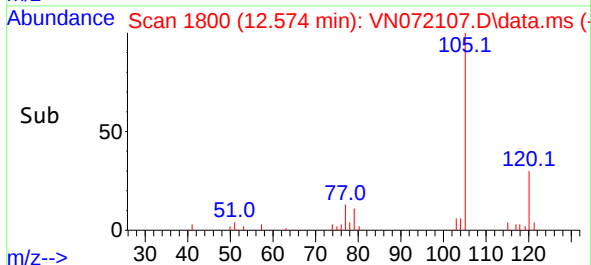
Tgt Ion:152 Resp: 448281
Ion Ratio Lower Upper
152 100
115 55.1 28.9 86.7
150 156.7 0.0 356.2

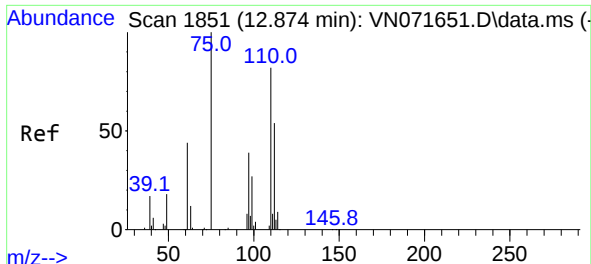


#73
Isopropylbenzene
Concen: 0.551 ug/l
RT: 12.574 min Scan# 1800
Delta R.T. -0.001 min
Lab File: VN072107.D
Acq: 21 Apr 2022 03:54



Tgt Ion:105 Resp: 20824
Ion Ratio Lower Upper
105 100
120 26.8 13.5 40.4

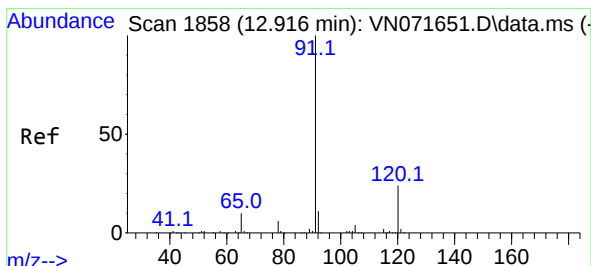
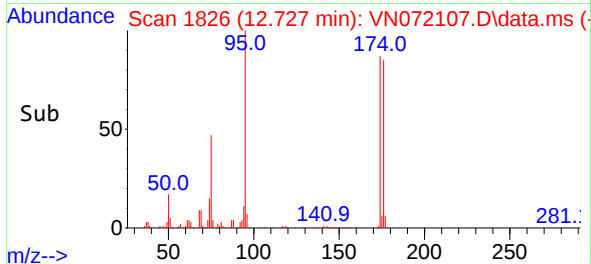
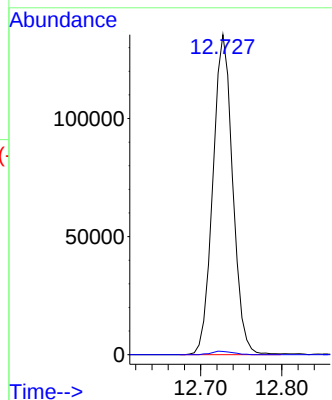
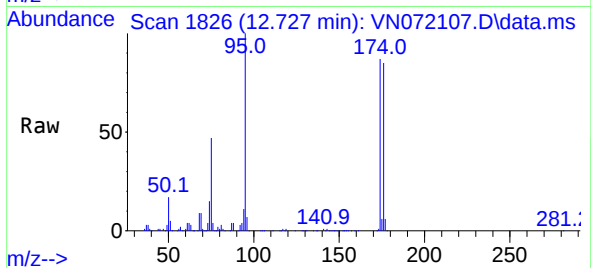




#76
1,2,3-Trichloropropane
Concen: 22.137 ug/l
RT: 12.727 min Scan# 1826
Delta R.T. -0.147 min
Lab File: VN072107.D
Acq: 21 Apr 2022 03:54

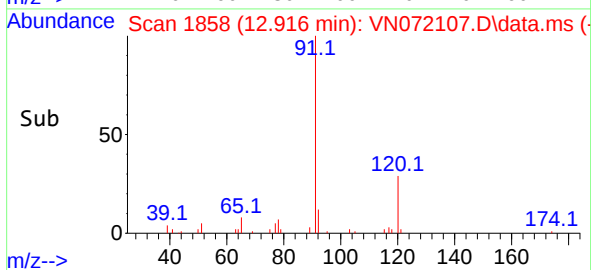
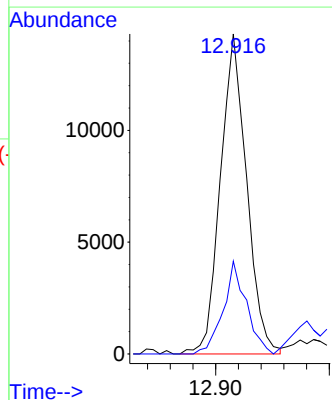
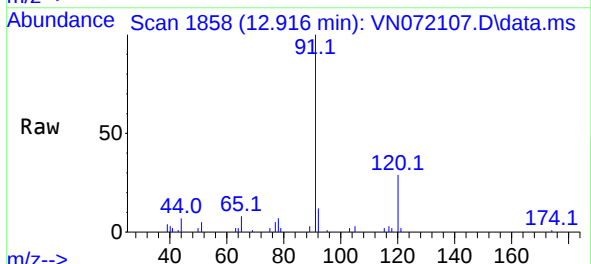
Instrument :
MSVOA_N
ClientSampleId :

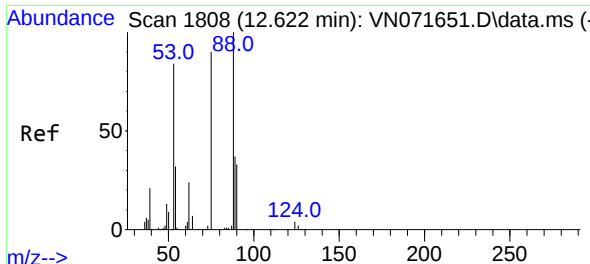
Tgt Ion: 75 Resp: 229892
Ion Ratio Lower Upper
75 100
77 1.2 98.5 295.5#



#78
n-propylbenzene
Concen: 0.578 ug/l
RT: 12.916 min Scan# 1858
Delta R.T. -0.000 min
Lab File: VN072107.D
Acq: 21 Apr 2022 03:54

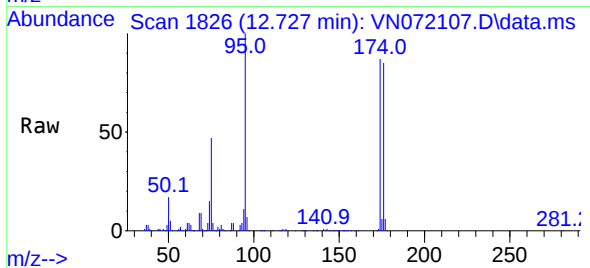
Tgt Ion: 91 Resp: 22960
Ion Ratio Lower Upper
91 100
120 25.6 11.9 35.5



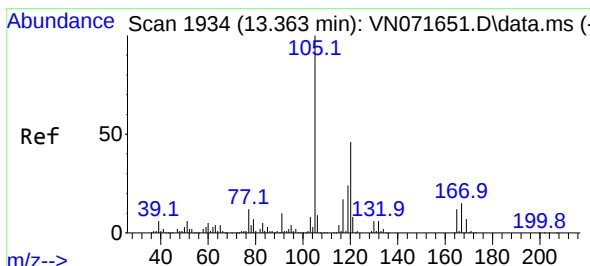
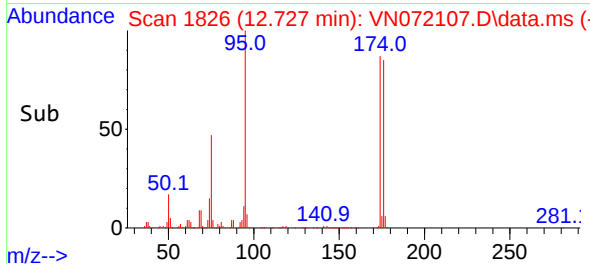
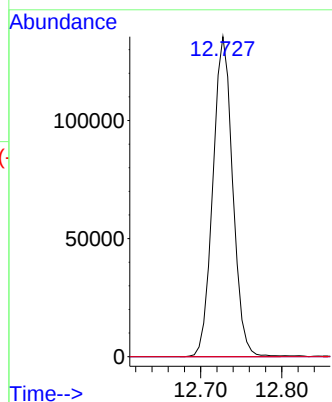


#81
trans-1,4-Dichloro-2-butene
Concen: 68.603 ug/l
RT: 12.727 min Scan# 1808
Delta R.T. 0.105 min
Lab File: VN072107.D
Acq: 21 Apr 2022 03:54

Instrument :
MSVOA_N
ClientSampleId :

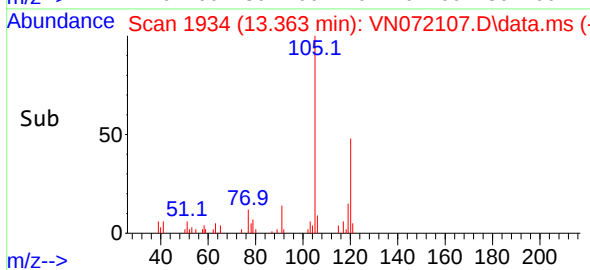
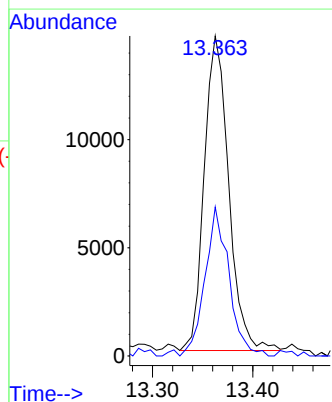
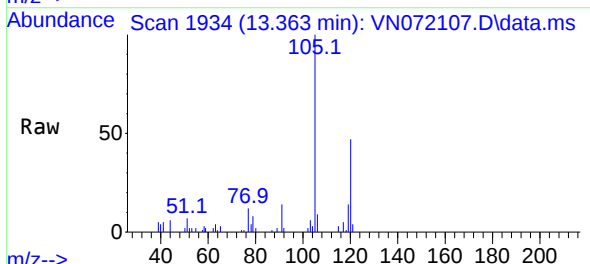


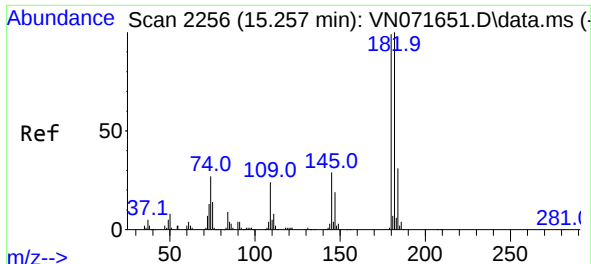
Tgt Ion: 75 Resp: 229892
Ion Ratio Lower Upper
75 100
53 0.0 78.0 117.0#
89 0.0 37.2 55.8#



#84
1,2,4-Trimethylbenzene
Concen: 0.845 ug/l
RT: 13.363 min Scan# 1934
Delta R.T. -0.000 min
Lab File: VN072107.D
Acq: 21 Apr 2022 03:54

Tgt Ion: 105 Resp: 24682
Ion Ratio Lower Upper
105 100
120 46.9 23.3 69.8





#93

1,2,4-Trichlorobenzene

Concen: 2.093 ug/l

RT: 15.251 min Scan# 21

Delta R.T. -0.006 min

Lab File: VN072107.D

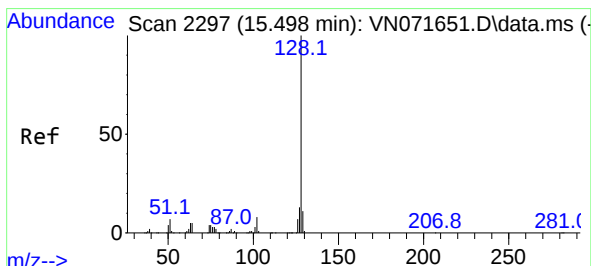
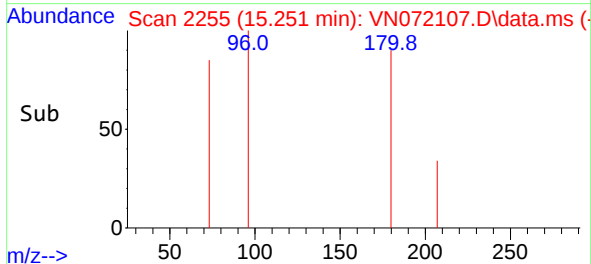
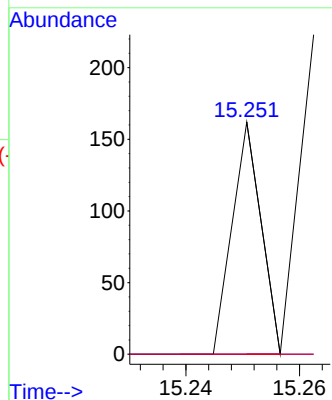
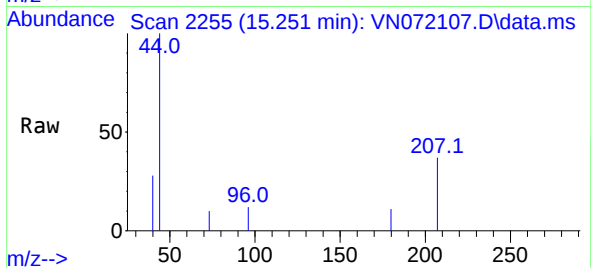
Acq: 21 Apr 2022 03:54

Instrument :

MSVOA_N

ClientSampleId :

Tgt Ion:180	Resp:	57
Ion Ratio	Lower	Upper
180	100	
182	0.0	47.5 142.5#
145	0.0	14.5 43.5#



#95

Naphthalene

Concen: 5.452 ug/l

RT: 15.504 min Scan# 2298

Delta R.T. 0.006 min

Lab File: VN072107.D

Acq: 21 Apr 2022 03:54

Tgt Ion:128	Resp:	36437
Ion Ratio	Lower	Upper
128	100	
127	13.4	10.3 15.5
129	10.8	8.6 13.0

