

Data File : VX019634.D
Acq On : 25 Nov 2020 03:09
Operator : JC/MD
Sample : L4835-18
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 44 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
MH-118.5N-20201119

Quant Time: Nov 25 04:12:22 2020
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X112120W.M
Quant Title : SW846 8260
QLast Update : Sat Nov 21 01:57:45 2020
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.62	168	315736	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.83	114	519909	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.10	117	464231	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.06	152	180279	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.03	65	199147	48.65	ug/l	0.00
Spiked Amount 50.000	Range 61 - 141		Recovery =	97.30%		
35) Dibromofluoromethane	5.46	113	155975	47.79	ug/l	0.00
Spiked Amount 50.000	Range 69 - 133		Recovery =	95.58%		
50) Toluene-d8	8.70	98	626550	49.41	ug/l	0.00
Spiked Amount 50.000	Range 65 - 126		Recovery =	98.82%		
62) 4-Bromofluorobenzene	11.12	95	208444	45.69	ug/l	0.00
Spiked Amount 50.000	Range 58 - 135		Recovery =	91.38%		

Target Compounds

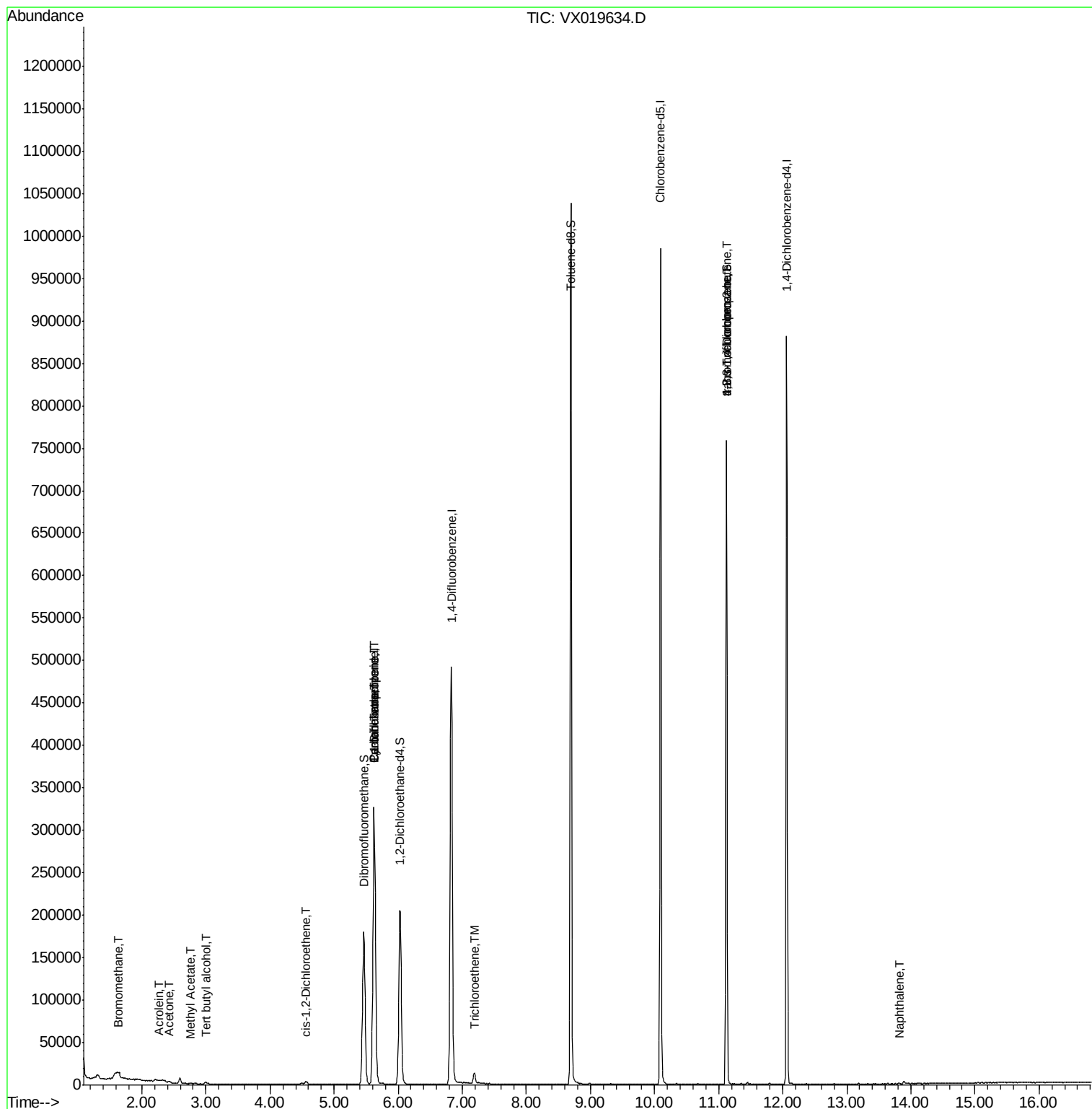
					Qvalue	
5) Bromomethane	1.63	94	474	0.330	ug/l #	77
6) Chloroethane	1.69	64	1197	Below Cal	#	50
11) Tert butyl alcohol	3.00	59	1900	2.452	ug/l #	73
13) Acrolein	2.26	56	135	0.259	ug/l #	49
16) Acetone	2.42	43	2102	1.328	ug/l #	86
18) Methyl Acetate	2.75	43	689	0.810	ug/l #	59
27) cis-1,2-Dichloroethene	4.56	96	1661	0.407	ug/l	72
31) Cyclohexane	5.62	56	6238	1.172	ug/l #	1
36) 1,1-Dichloropropene	5.62	75	24348	4.995	ug/l #	50
38) Carbon Tetrachloride	5.62	117	30555	6.476	ug/l #	16
44) Trichloroethene	7.19	130	4063	1.036	ug/l	97
76) 1,2,3-Trichloropropane	11.12	75	102721	26.109	ug/l #	37
81) trans-1,4-Dichloro-2-buten	11.12	75	102721	68.782	ug/l #	12
95) Naphthalene	13.82	128	595	2.221	ug/l #	73

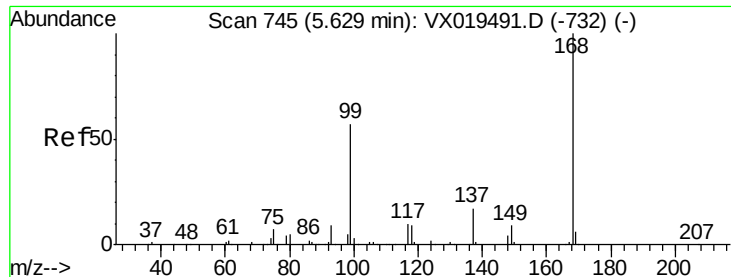
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.62 min Scan# 744

Delta R.T. -0.01 min

Lab File: VX019634.D

Acq: 25 Nov 2020 03:09

Instrument :

MSVOA_X

ClientSampleId :

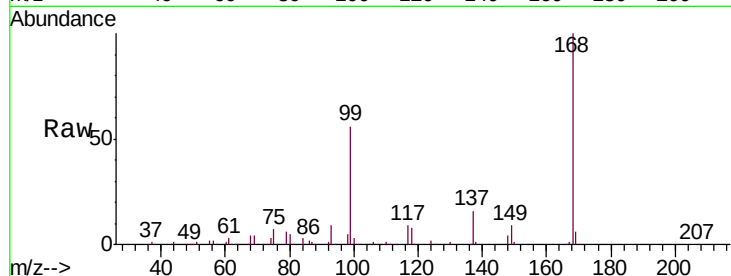
MH-118.5N-20201119

Tgt Ion:168 Resp: 315736

Ion Ratio Lower Upper

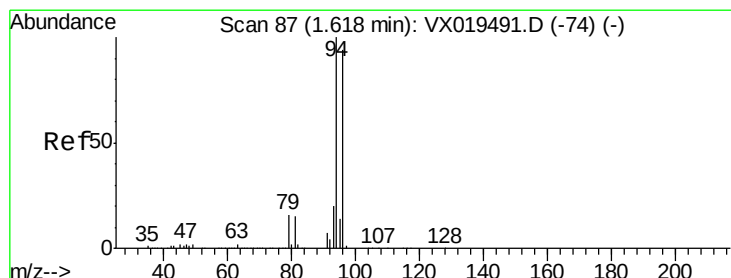
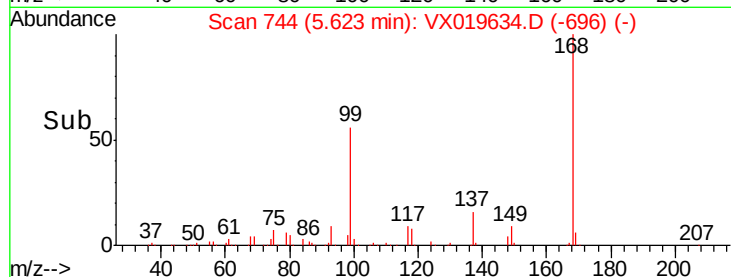
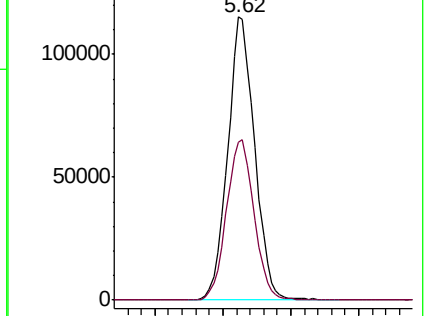
168 100

99 55.7 45.8 68.6



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0



#5

Bromomethane

Concen: 0.330 ug/l

RT: 1.63 min Scan# 89

Delta R.T. 0.01 min

Lab File: VX019634.D

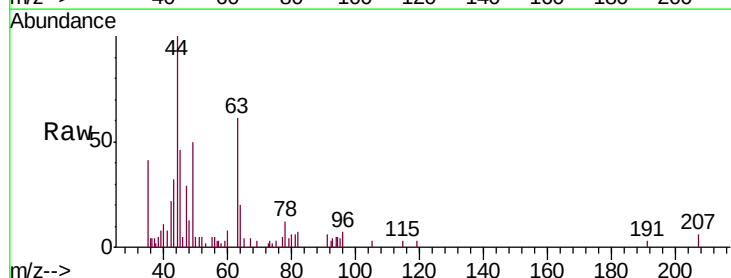
Acq: 25 Nov 2020 03:09

Tgt Ion: 94 Resp: 474

Ion Ratio Lower Upper

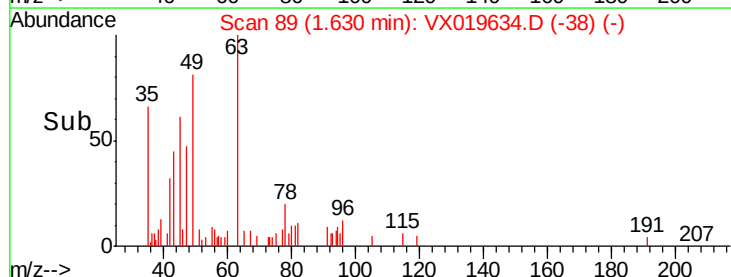
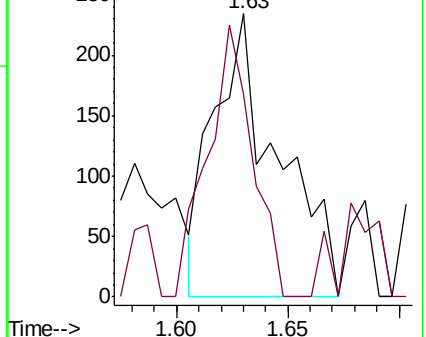
94 100

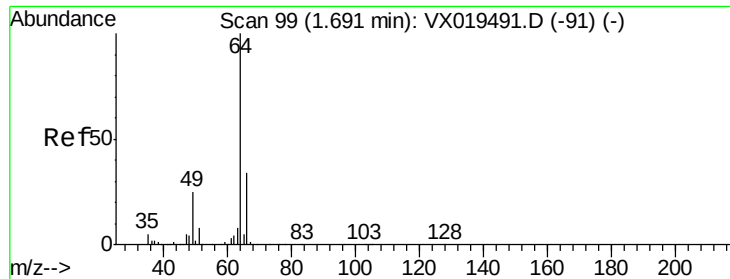
96 71.8 75.6 113.4#



Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0





#6

Chloroethane

Concen: Below Cal

RT: 1.69 min Scan# 99

Delta R.T. 0.00 min

Lab File: VX019634.D

Acq: 25 Nov 2020 03:09

Instrument :

MSVOA_X

ClientSampleId :

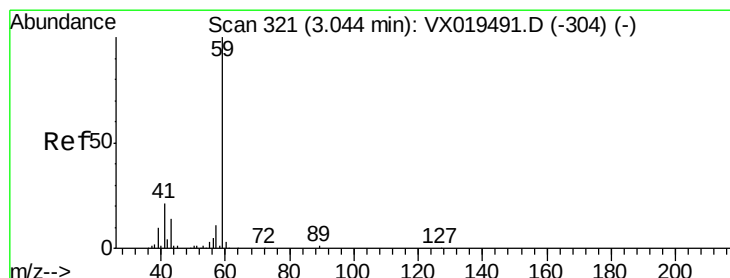
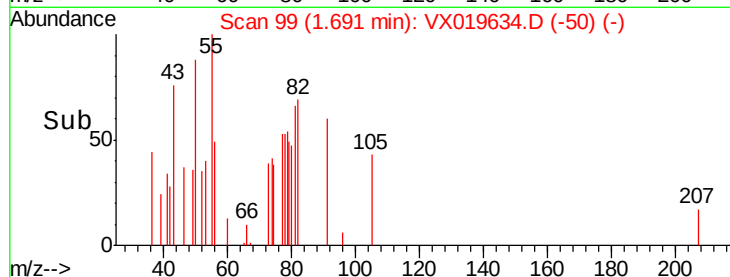
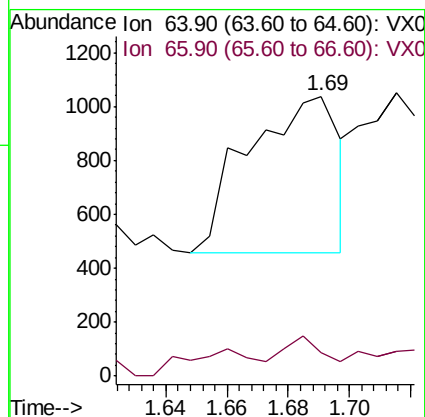
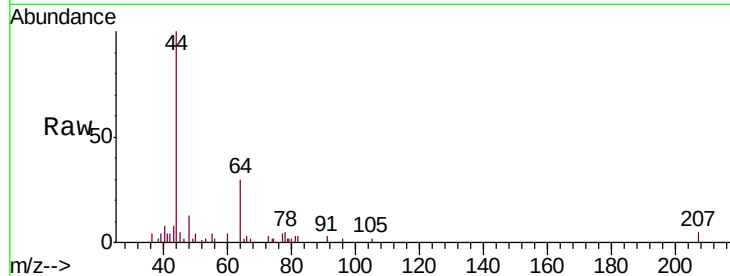
MH-118.5N-20201119

Tgt Ion: 64 Resp: 1197

Ion Ratio Lower Upper

64 100

66 5.3 27.1 40.7#



#11

Tert butyl alcohol

Concen: 2.452 ug/l

RT: 3.00 min Scan# 314

Delta R.T. -0.04 min

Lab File: VX019634.D

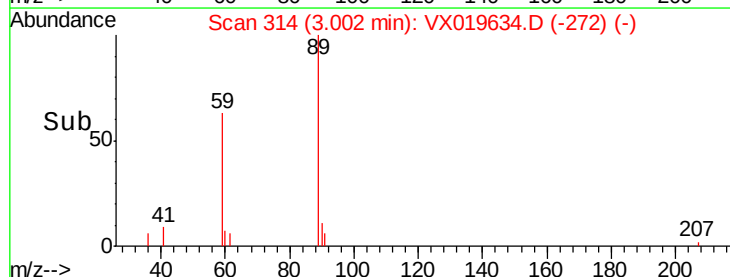
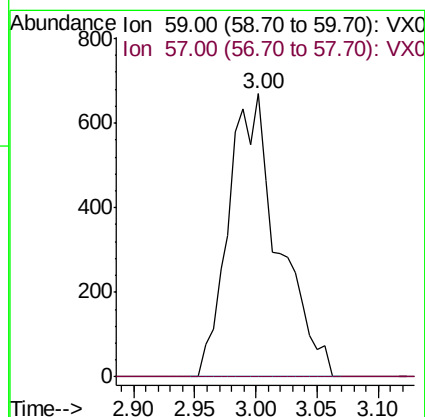
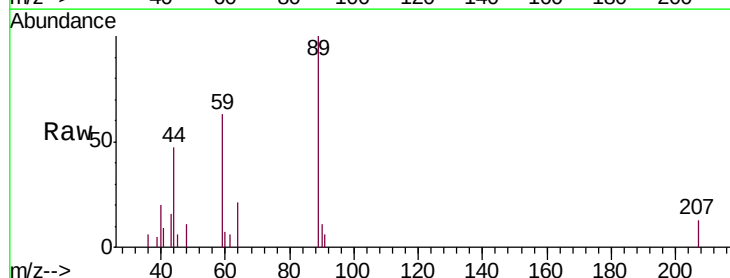
Acq: 25 Nov 2020 03:09

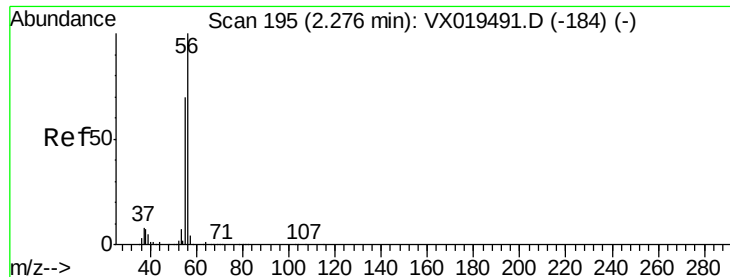
Tgt Ion: 59 Resp: 1900

Ion Ratio Lower Upper

59 100

57 0.0 7.9 11.9#





#13

Acrolein

Concen: 0.259 ug/l

RT: 2.26 min Scan# 193

Delta R.T. -0.01 min

Lab File: VX019634.D

Acq: 25 Nov 2020 03:09

Instrument :

MSVOA_X

ClientSampleId :

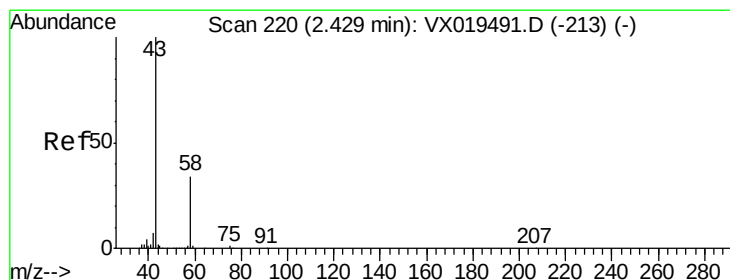
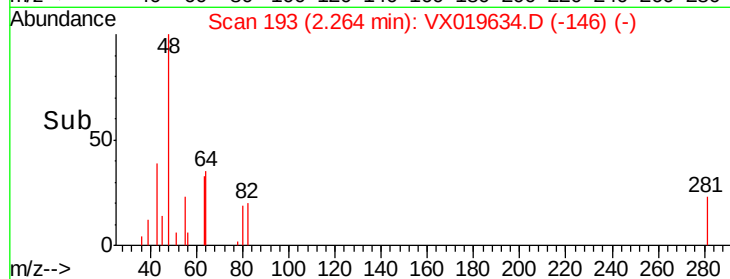
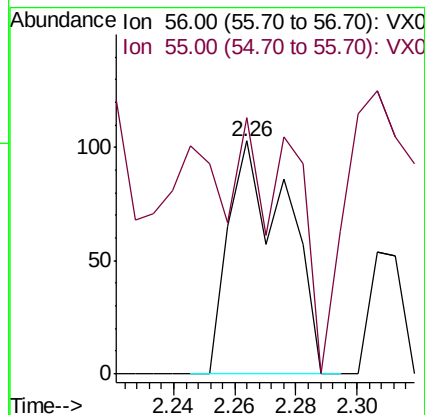
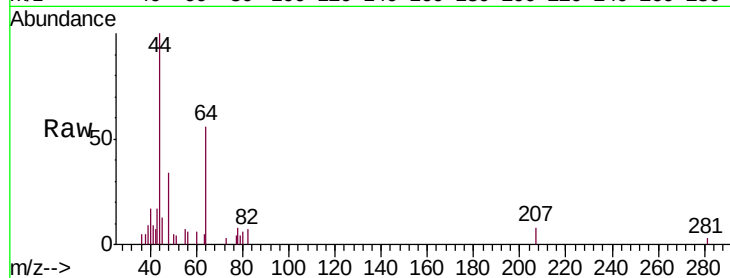
MH-118.5N-20201119

Tgt Ion: 56 Resp: 135

Ion Ratio Lower Upper

56 100

55 27.4 55.5 83.3#



#16

Acetone

Concen: 1.328 ug/l

RT: 2.42 min Scan# 218

Delta R.T. -0.01 min

Lab File: VX019634.D

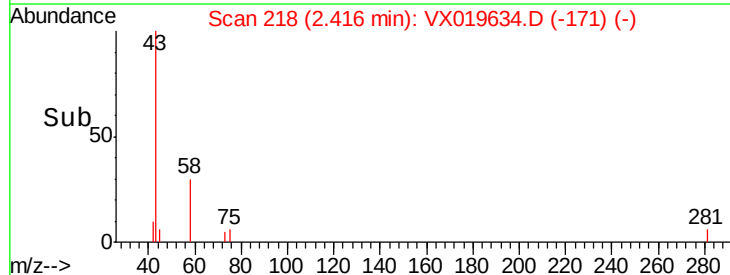
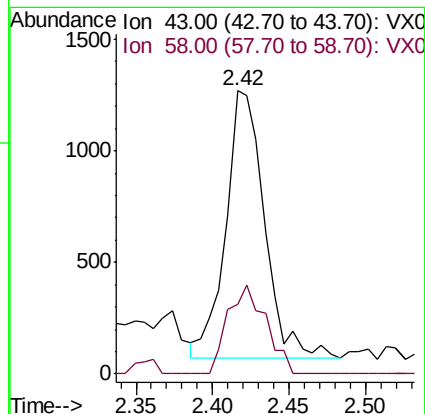
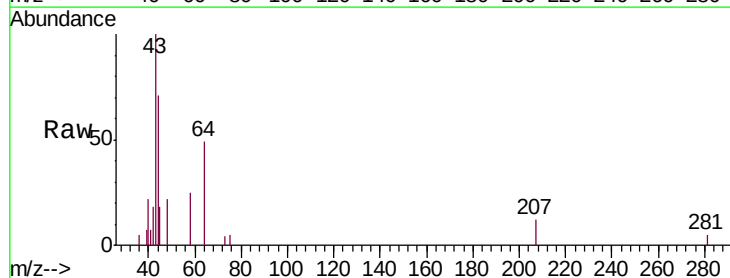
Acq: 25 Nov 2020 03:09

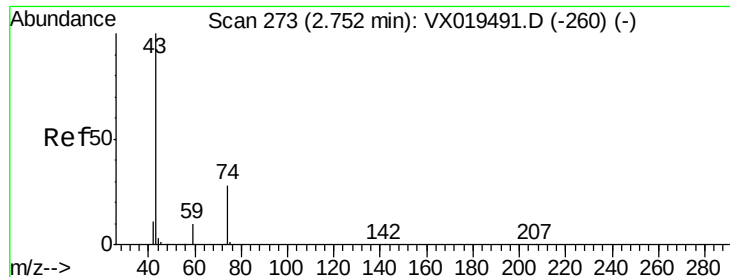
Tgt Ion: 43 Resp: 2102

Ion Ratio Lower Upper

43 100

58 26.2 27.4 41.2#

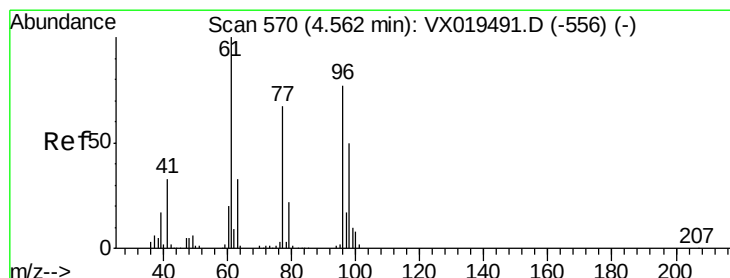
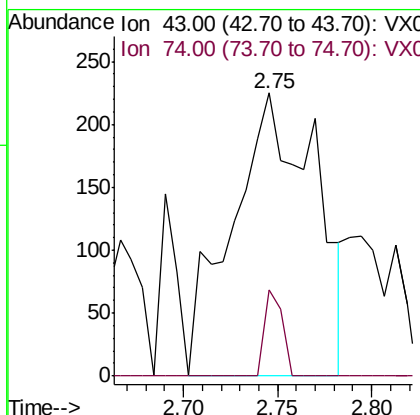
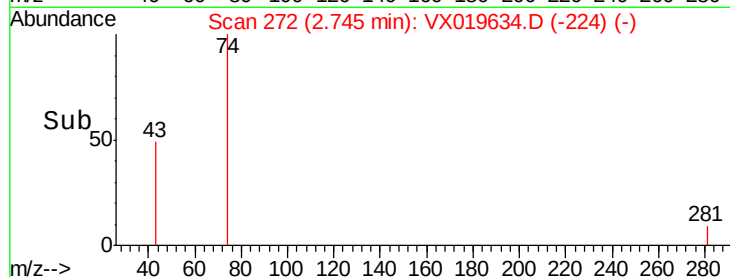
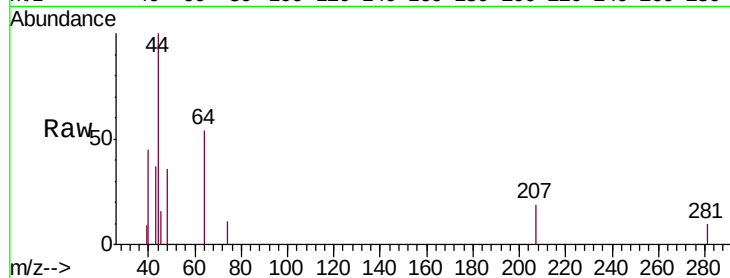




#18
Methyl Acetate
Concen: 0.810 ug/l
RT: 2.75 min Scan# 272
Delta R.T. -0.01 min
Lab File: VX019634.D
Acq: 25 Nov 2020 03:09

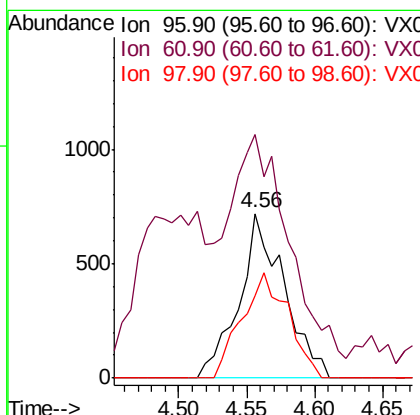
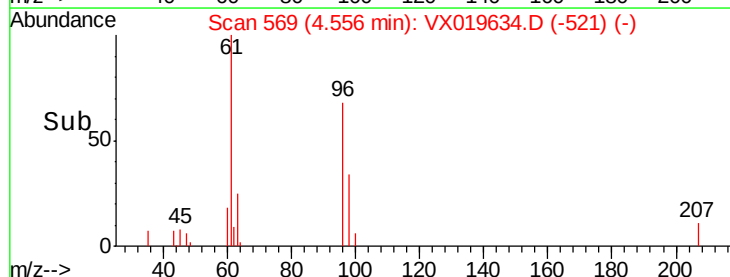
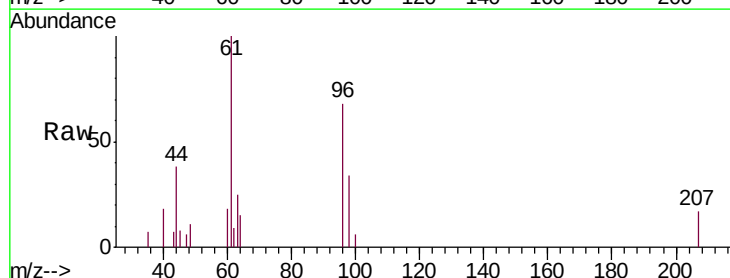
Instrument :
MSVOA_X
ClientSampleId :
MH-118.5N-20201119

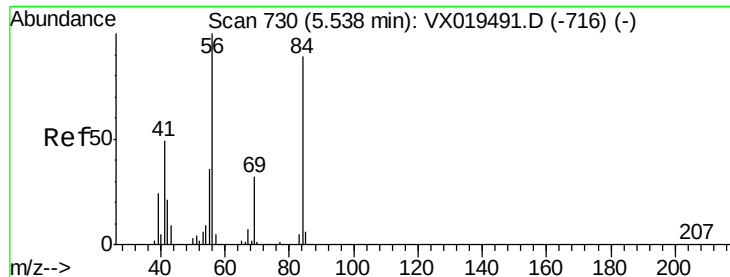
Tgt Ion: 43 Resp: 689
Ion Ratio Lower Upper
43 100
74 6.4 22.2 33.4#



#27
cis-1,2-Dichloroethene
Concen: 0.407 ug/l
RT: 4.56 min Scan# 569
Delta R.T. -0.01 min
Lab File: VX019634.D
Acq: 25 Nov 2020 03:09

Tgt Ion: 96 Resp: 1661
Ion Ratio Lower Upper
96 100
61 189.8 0.0 279.2
98 65.6 0.0 129.8

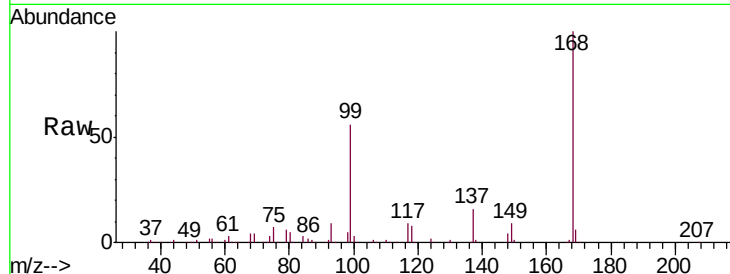




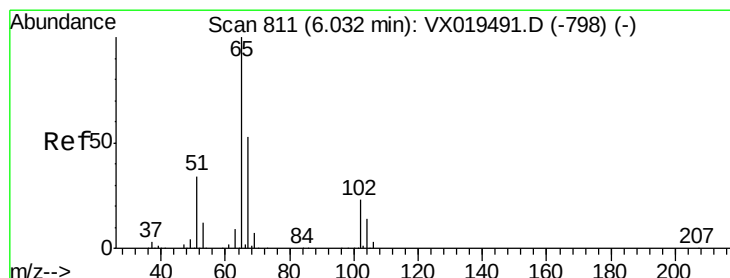
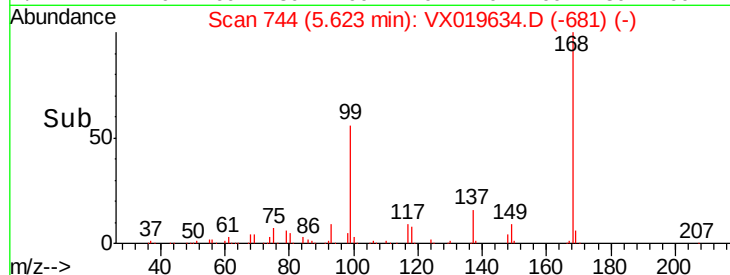
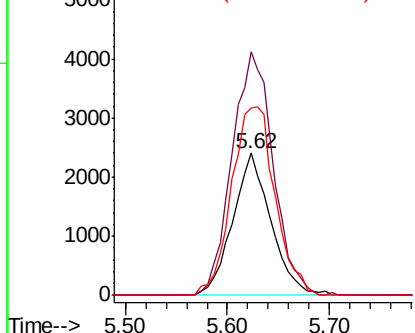
#31
Cyclohexane
Concen: 1.172 ug/l
RT: 5.62 min Scan# 744
Delta R.T. 0.09 min
Lab File: VX019634.D
Acq: 25 Nov 2020 03:09

Instrument :
MSVOA_X
ClientSampleId :
MH-118.5N-20201119

Tgt Ion: 56 Resp: 6238
Ion Ratio Lower Upper
56 100
69 171.2 25.5 38.3#
84 131.3 71.1 106.7#

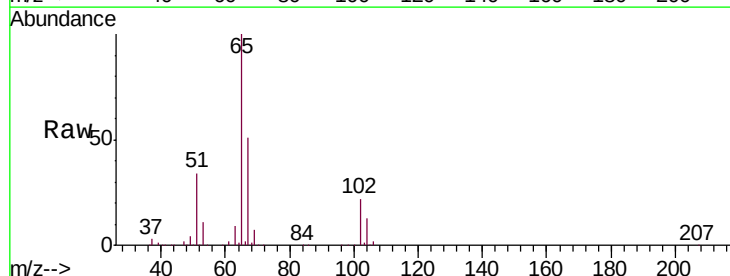


Abundance Ion 56.00 (55.70 to 56.70): VX0
Ion 69.00 (68.70 to 69.70): VX0
Ion 84.00 (83.70 to 84.70): VX0

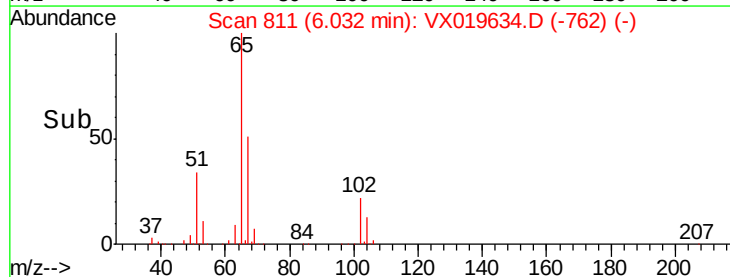
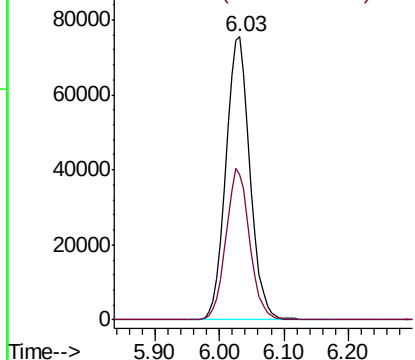


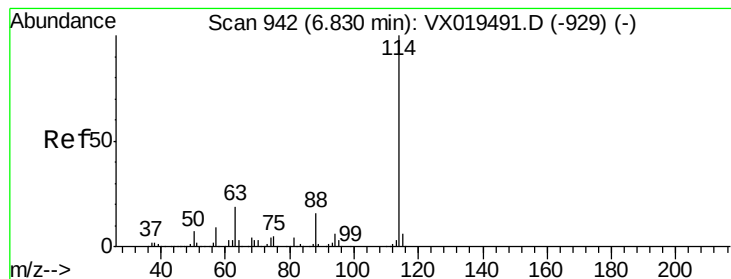
#33
1,2-Dichloroethane-d4
Concen: 48.646 ug/l
RT: 6.03 min Scan# 811
Delta R.T. -0.00 min
Lab File: VX019634.D
Acq: 25 Nov 2020 03:09

Tgt Ion: 65 Resp: 199147
Ion Ratio Lower Upper
65 100
67 52.5 0.0 105.0



Abundance Ion 64.90 (64.60 to 65.60): VX0
Ion 66.90 (66.60 to 67.60): VX0





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.83 min Scan# 942

Delta R.T. -0.00 min

Lab File: VX019634.D

Acq: 25 Nov 2020 03:09

Instrument :

MSVOA_X

ClientSampleId :

MH-118.5N-20201119

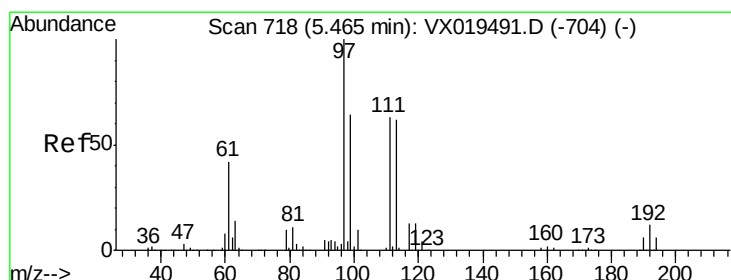
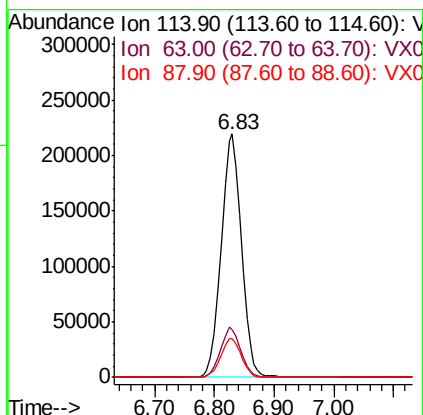
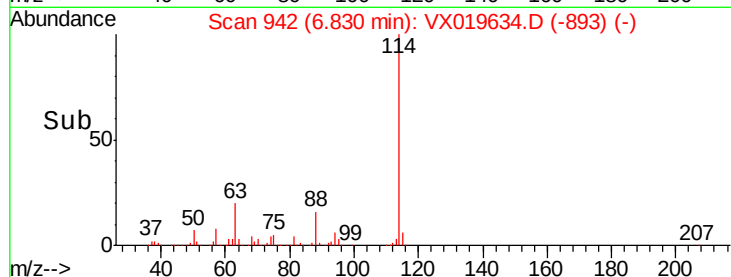
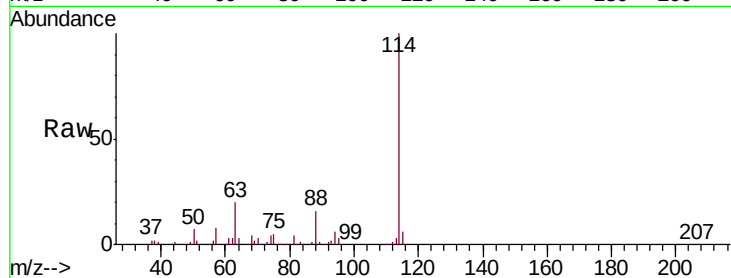
Tgt Ion:114 Resp: 519909

Ion Ratio Lower Upper

114 100

63 19.8 0.0 38.8

88 15.9 0.0 31.6



#35

Dibromofluoromethane

Concen: 47.794 ug/l

RT: 5.46 min Scan# 718

Delta R.T. -0.00 min

Lab File: VX019634.D

Acq: 25 Nov 2020 03:09

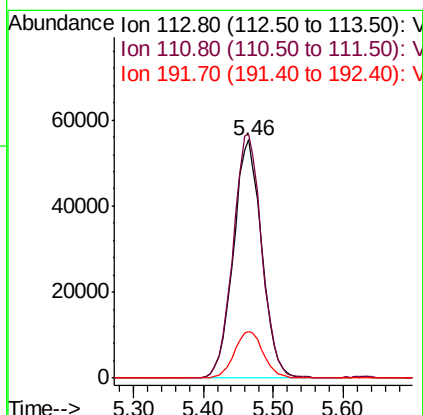
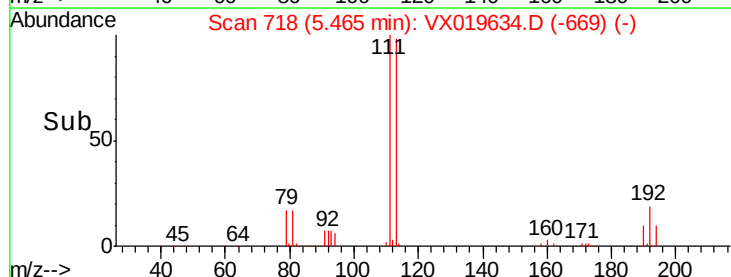
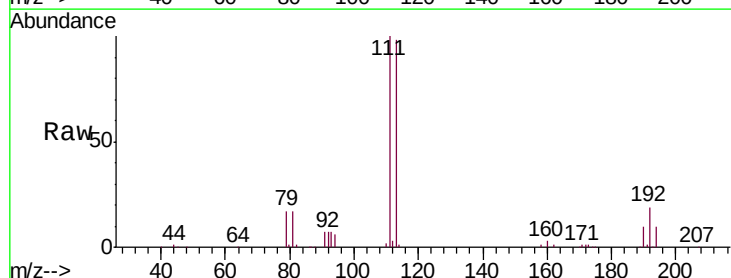
Tgt Ion:113 Resp: 155975

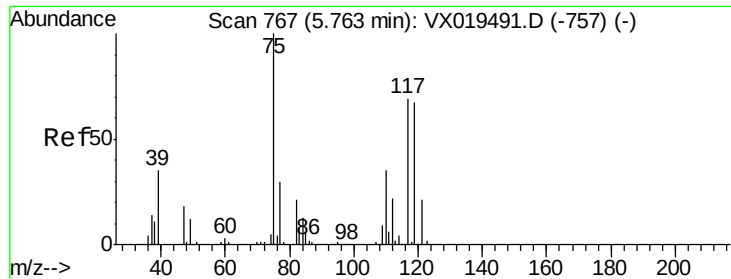
Ion Ratio Lower Upper

113 100

111 103.4 81.5 122.3

192 20.1 16.2 24.2

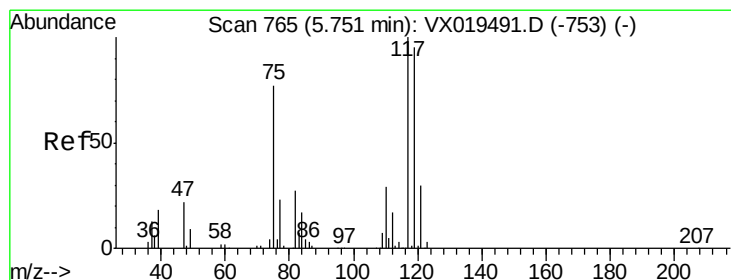
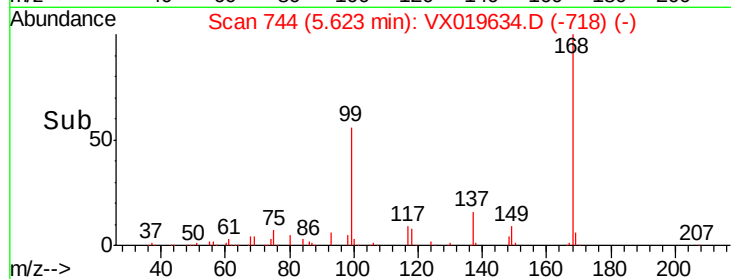
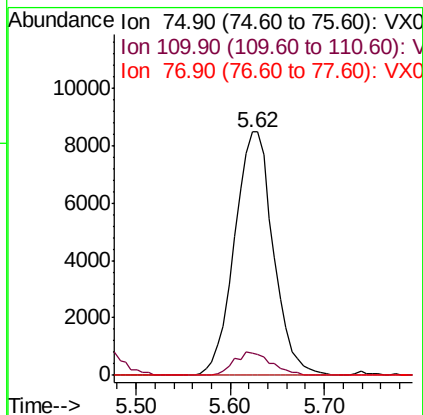
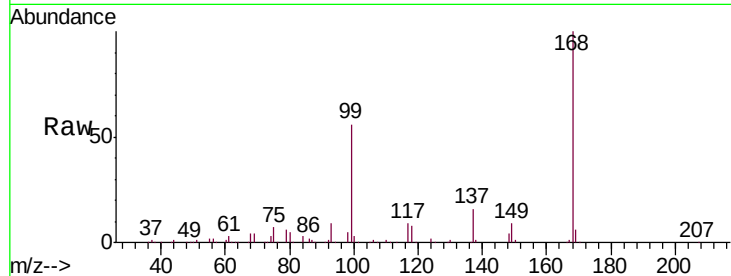




#36
 1,1-Dichloropropene
 Concen: 4.995 ug/l
 RT: 5.62 min Scan# 744
 Delta R.T. -0.14 min
 Lab File: VX019634.D
 Acq: 25 Nov 2020 03:09

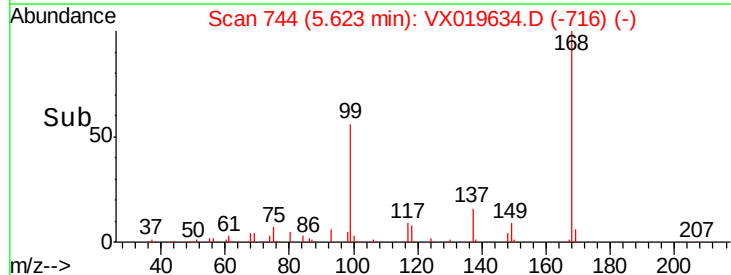
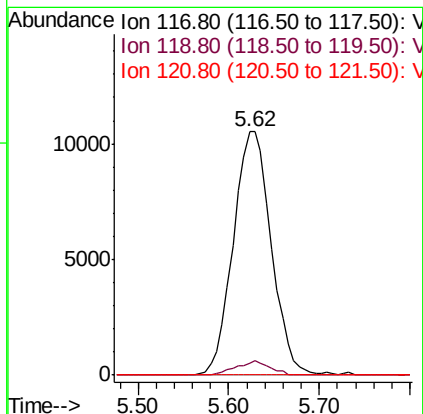
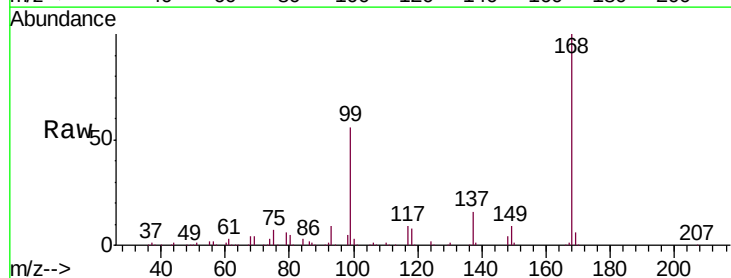
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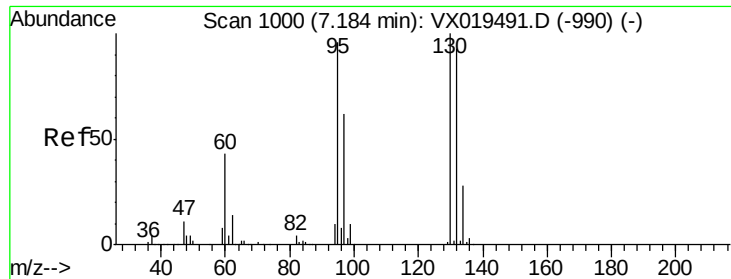
Tgt Ion: 75 Resp: 24348
 Ion Ratio Lower Upper
 75 100
 110 9.2 18.1 54.3#
 77 0.0 24.2 36.4#



#38
 Carbon Tetrachloride
 Concen: 6.476 ug/l
 RT: 5.62 min Scan# 744
 Delta R.T. -0.13 min
 Lab File: VX019634.D
 Acq: 25 Nov 2020 03:09

Tgt Ion: 117 Resp: 30555
 Ion Ratio Lower Upper
 117 100
 119 5.1 75.9 113.9#
 121 0.0 24.0 36.0#





#44

Trichloroethene

Concen: 1.036 ug/l

RT: 7.19 min Scan# 1001

Delta R.T. 0.01 min

Lab File: VX019634.D

Acq: 25 Nov 2020 03:09

Instrument :

MSVOA_X

ClientSampleId :

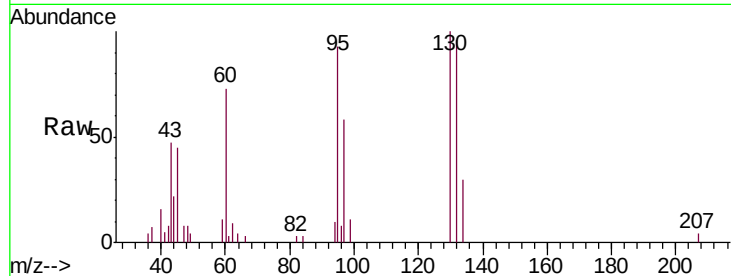
MH-118.5N-20201119

Tgt Ion:130 Resp: 4063

Ion Ratio Lower Upper

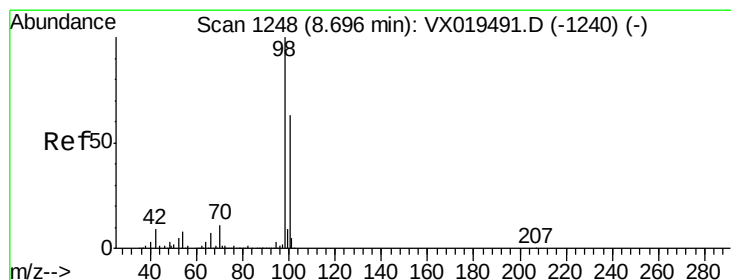
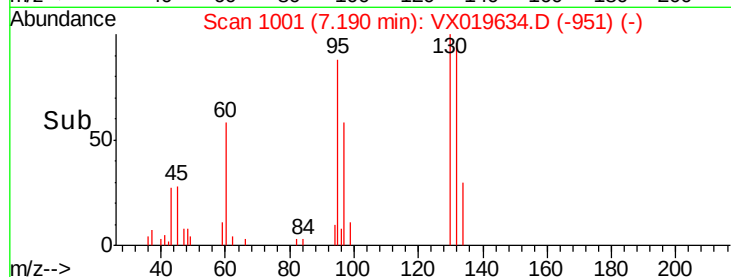
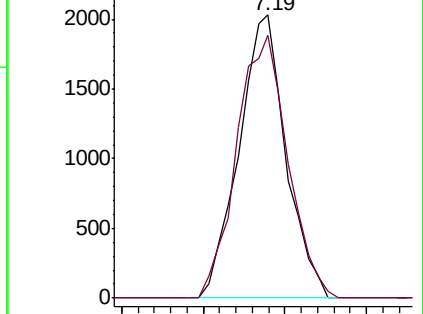
130 100

95 93.1 0.0 191.2



Abundance Ion 129.80 (129.50 to 130.50): V

Ion 94.90 (94.60 to 95.60): VX0



#50

Toluene-d8

Concen: 49.407 ug/l

RT: 8.70 min Scan# 1248

Delta R.T. -0.00 min

Lab File: VX019634.D

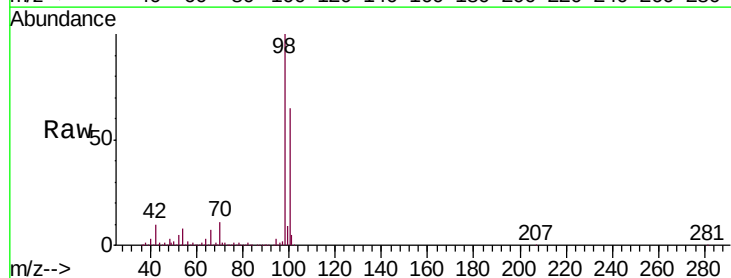
Acq: 25 Nov 2020 03:09

Tgt Ion: 98 Resp: 626550

Ion Ratio Lower Upper

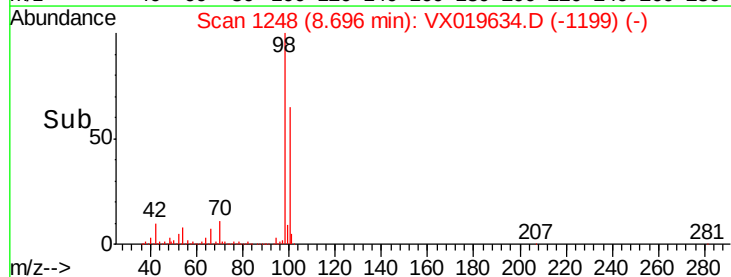
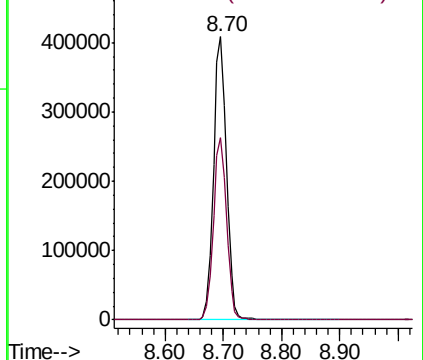
98 100

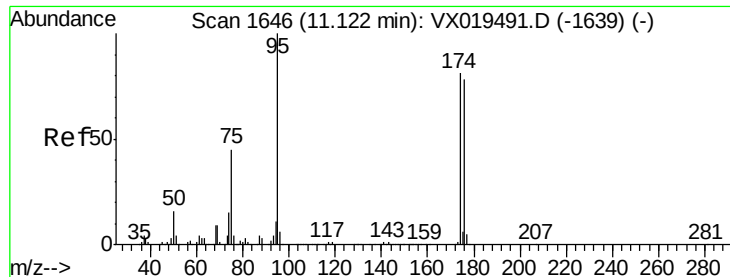
100 65.6 52.4 78.6



Abundance Ion 98.00 (97.70 to 98.70): VX0

Ion 100.00 (99.70 to 100.70): V





#62

4-Bromofluorobenzene

Concen: 45.685 ug/l

RT: 11.12 min Scan# 1646

Delta R.T. -0.00 min

Lab File: VX019634.D

Acq: 25 Nov 2020 03:09

Instrument :

MSVOA_X

ClientSampleId :

MH-118.5N-20201119

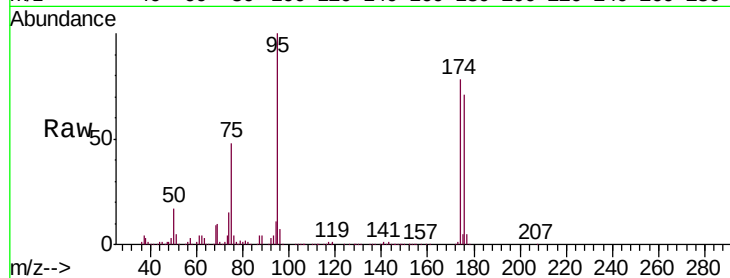
Tgt Ion: 95 Resp: 208444

Ion Ratio Lower Upper

95 100

174 77.7 0.0 156.2

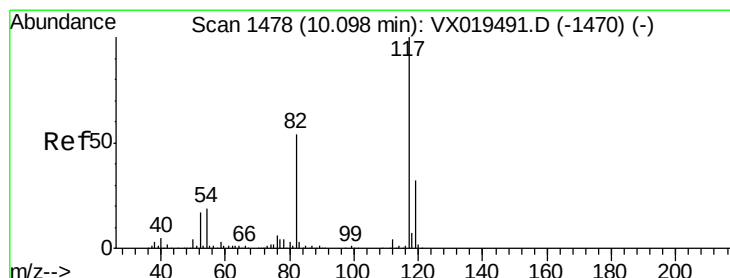
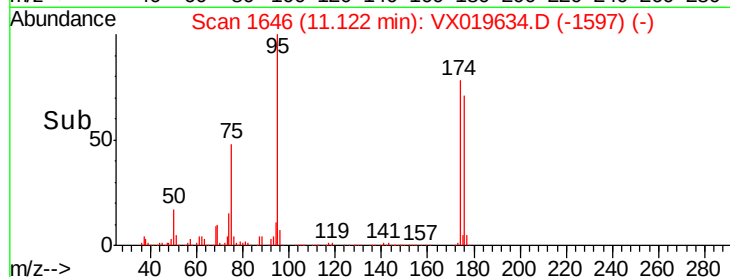
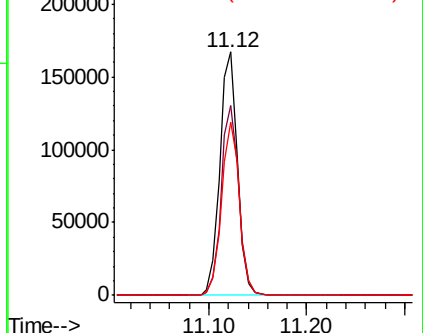
176 71.7 0.0 151.4



Abundance Ion 94.90 (94.60 to 95.60): VX0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 10.10 min Scan# 1478

Delta R.T. -0.00 min

Lab File: VX019634.D

Acq: 25 Nov 2020 03:09

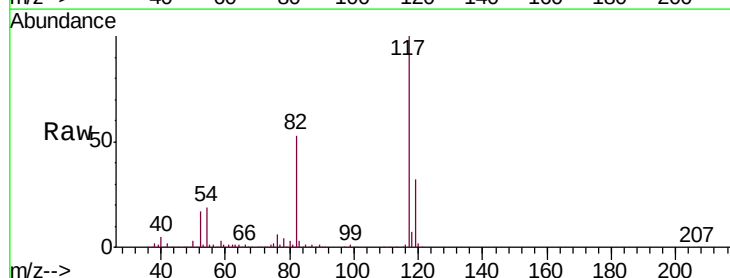
Tgt Ion: 117 Resp: 464231

Ion Ratio Lower Upper

117 100

82 53.2 43.0 64.4

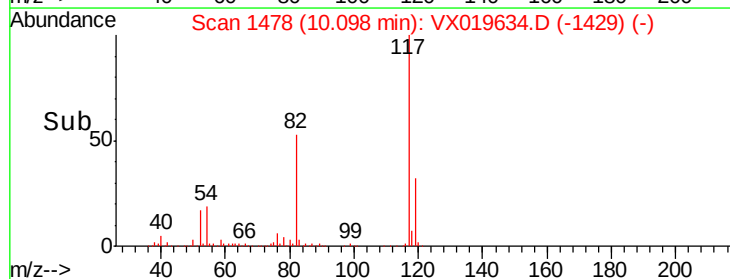
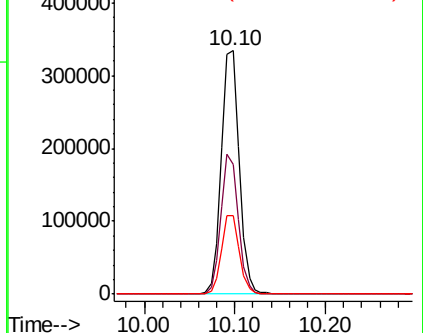
119 32.2 25.6 38.4

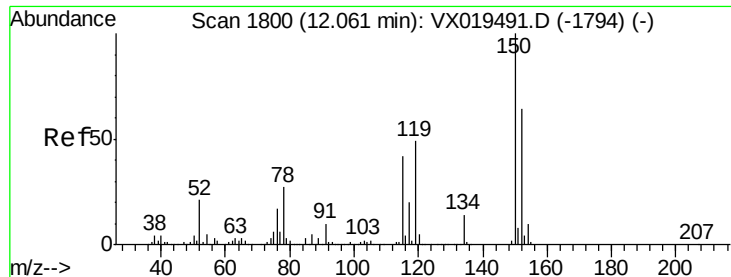


Abundance Ion 116.90 (116.60 to 117.60): V

Ion 82.00 (81.70 to 82.70): VX0

Ion 118.90 (118.60 to 119.60): V





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.06 min Scan# 1800

Delta R.T. -0.00 min

Lab File: VX019634.D

Acq: 25 Nov 2020 03:09

Instrument :

MSVOA_X

ClientSampleId :

MH-118.5N-20201119

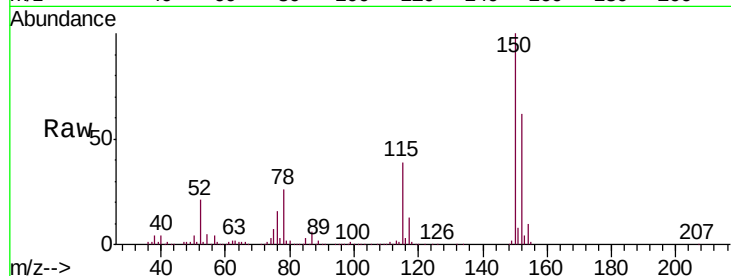
Tgt Ion:152 Resp: 180279

Ion Ratio Lower Upper

152 100

115 59.6 41.8 125.4

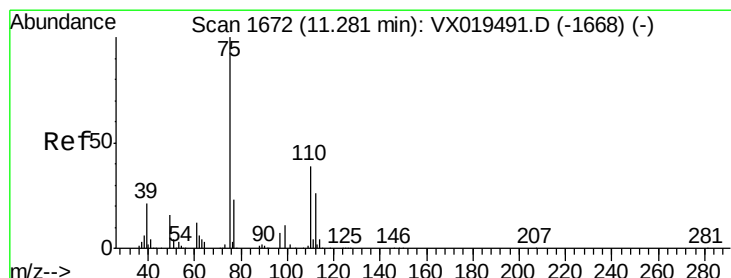
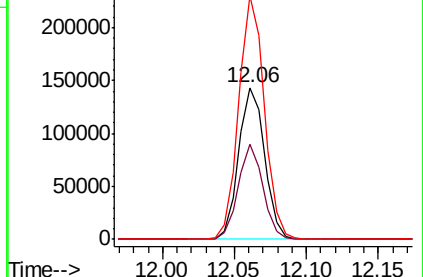
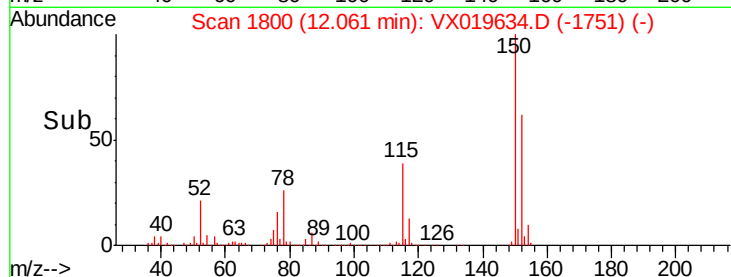
150 157.5 0.0 348.2



Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V



#76

1,2,3-Trichloropropane

Concen: 26.109 ug/l

RT: 11.12 min Scan# 1646

Delta R.T. -0.16 min

Lab File: VX019634.D

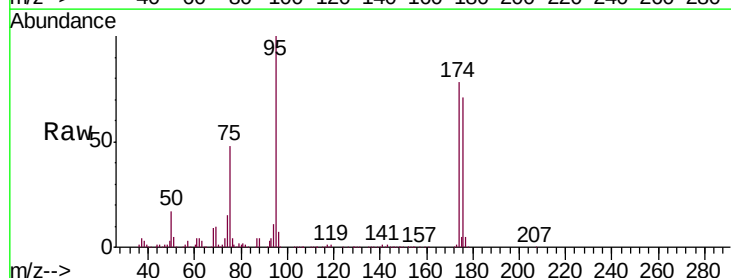
Acq: 25 Nov 2020 03:09

Tgt Ion: 75 Resp: 102721

Ion Ratio Lower Upper

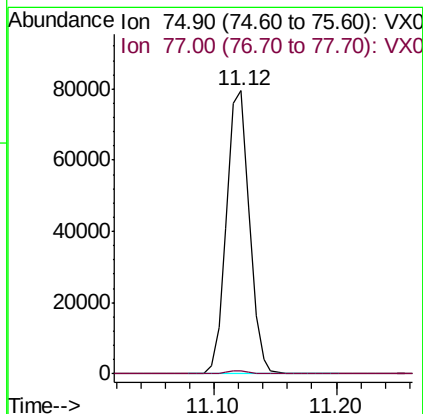
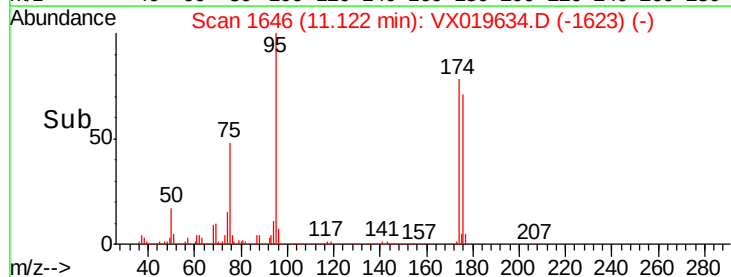
75 100

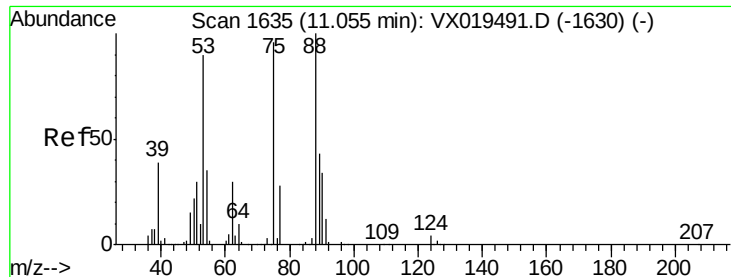
77 1.2 20.0 60.0#



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 77.00 (76.70 to 77.70): VX0

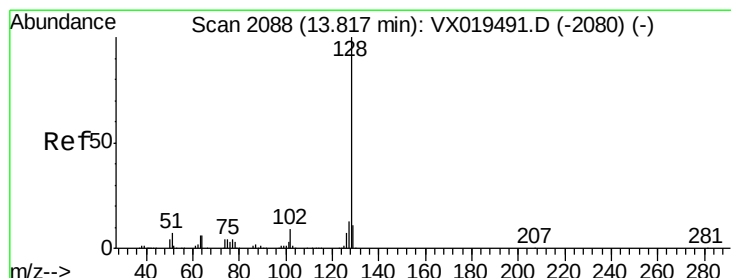
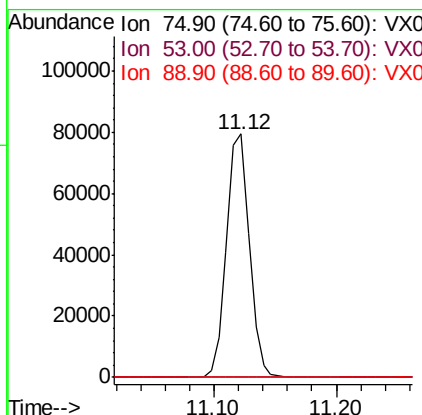
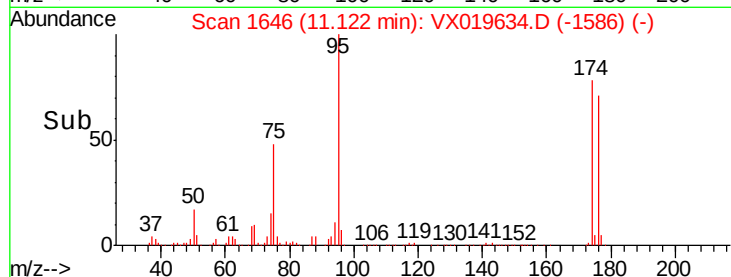
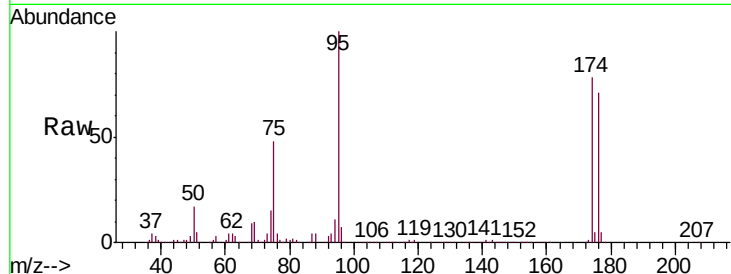




#81
trans-1,4-Dichloro-2-butene
Concen: 68.782 ug/l
RT: 11.12 min Scan# 1646
Delta R.T. 0.07 min
Lab File: VX019634.D
Acq: 25 Nov 2020 03:09

Instrument :
MSVOA_X
ClientSampleId :
MH-118.5N-20201119

Tgt Ion: 75 Resp: 102721
Ion Ratio Lower Upper
75 100
53 0.0 73.9 110.9#
89 0.0 37.3 55.9#



#95
Naphthalene
Concen: 2.221 ug/l
RT: 13.82 min Scan# 2088
Delta R.T. 0.00 min
Lab File: VX019634.D
Acq: 25 Nov 2020 03:09

Tgt Ion: 128 Resp: 595
Ion Ratio Lower Upper
128 100
127 0.0 10.3 15.5#
129 3.4 8.7 13.1#

