

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN031419\
 Data File : VN054260.D
 Acq On : 14 Mar 2019 14:28
 Operator : JC/SP
 Sample : K1887-05
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 TRIP-BLANK

Quant Time: Mar 15 06:52:38 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N031219W.M
 Quant Title : SW846 8260
 QLast Update : Wed Mar 13 03:33:31 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.67	168	1361201	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	2230434	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	2315371	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	1005957	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.03	65	728840	50.42	ug/l	0.00
Spiked Amount						
			Recovery	=	100.84%	
35) Dibromofluoromethane	7.59	113	696048	48.39	ug/l	0.00
Spiked Amount						
			Recovery	=	96.78%	
50) Toluene-d8	10.09	98	2769576	52.13	ug/l	0.00
Spiked Amount						
			Recovery	=	104.26%	
62) 4-Bromofluorobenzene	12.40	95	1052923	56.64	ug/l	0.00
Spiked Amount						
			Recovery	=	113.28%	

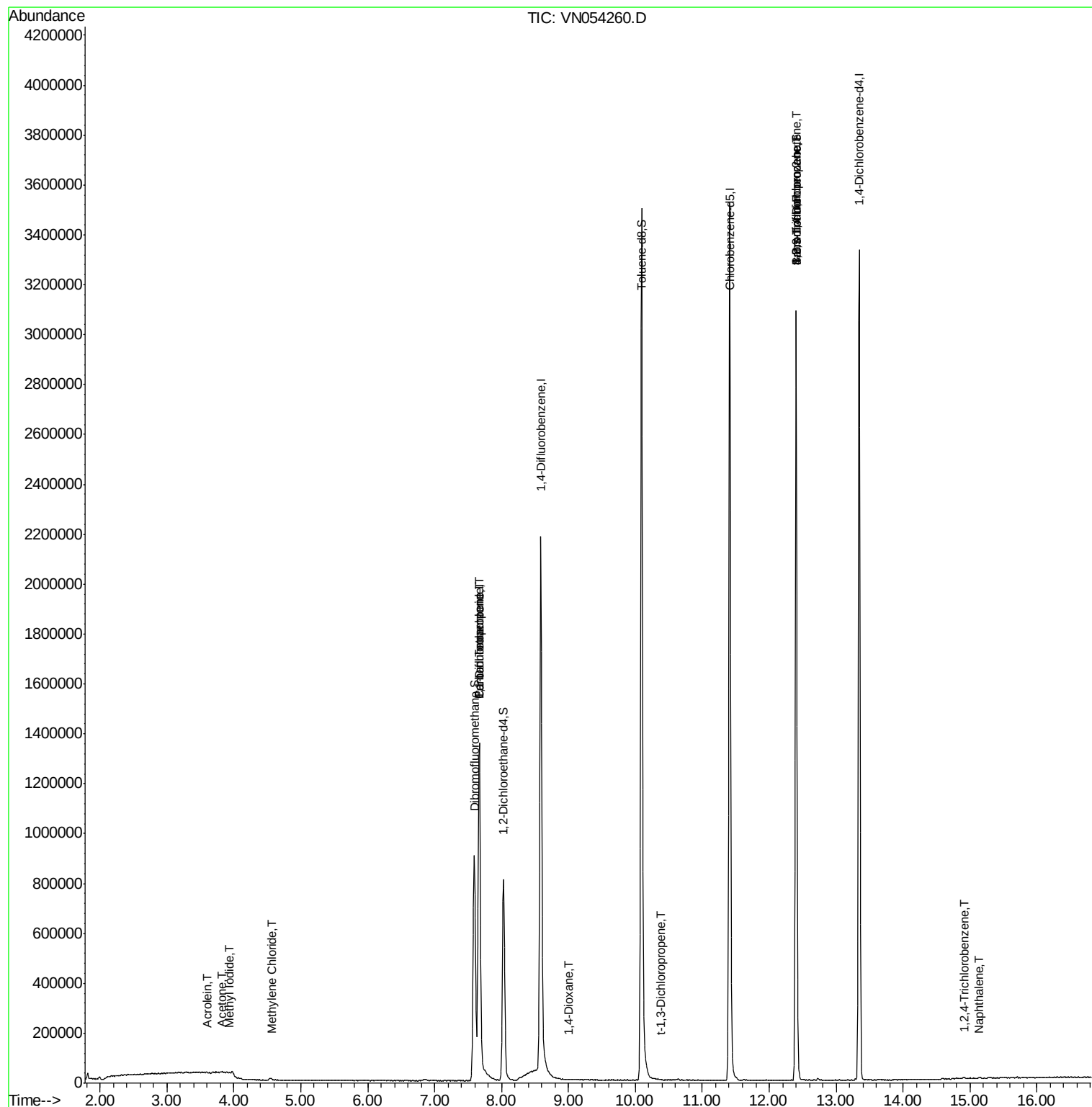
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
10) Methyl Iodide	3.94	142	31	1.498	ug/l #	1
13) Acrolein	3.62	56	329	0.350	ug/l #	47
16) Acetone	3.82	43	1159	0.280	ug/l #	65
20) Methylene Chloride	4.55	84	5625	0.414	ug/l #	78
31) Cyclohexane	7.67	56	20064	Below Cal	#	9
36) 1,1-Dichloropropene	7.66	75	77077	3.752	ug/l #	49
38) Carbon Tetrachloride	7.67	117	111015	5.154	ug/l #	16
49) 1,4-Dioxane	9.02	88	30	0.202	ug/l #	1
53) t-1,3-Dichloropropene	10.38	75	216	1.995	ug/l #	1
71) Bromoform	12.40	173	6818	2.812	ug/l #	1
76) 1,2,3-Trichloropropane	12.40	75	506598	34.246	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.40	75	506598	117.067	ug/l #	11
93) 1,2,4-Trichlorobenzene	14.92	180	1287	2.574	ug/l	90
95) Naphthalene	15.14	128	2972	3.532	ug/l #	86

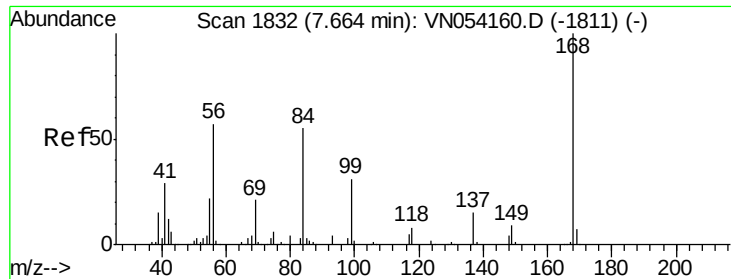
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Time: Mar 15 06:52:38 2019
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_N\METHODS\82N031219W.M
Quant Title : SW846 8260
QLast Update : Wed Mar 13 03:33:31 2019
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.67 min Scan# 1833

Delta R.T. 0.00 min

Lab File: VN054260.D

Acq: 14 Mar 2019 14:28

Instrument :

MSVOA_N

ClientSampleId :

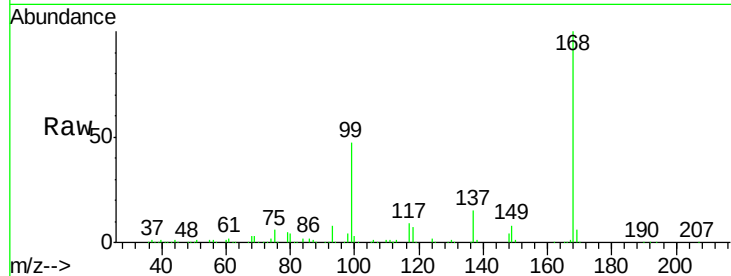
TRIP-BLANK

Tot Ion:168 Resp: 1361201

Ion Ratio Lower Upper

168 100

99 47.3 37.1 55.7



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN0

7.67

600000

500000

400000

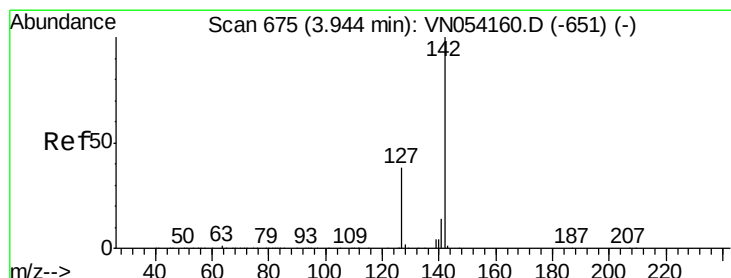
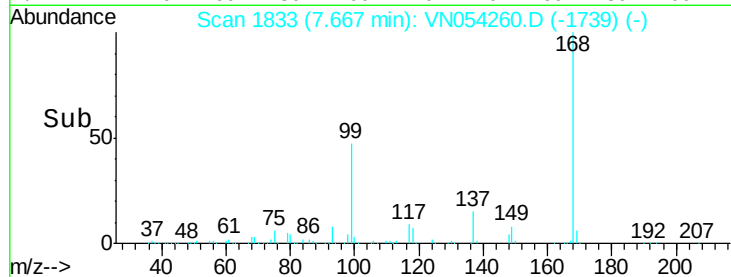
300000

200000

100000

0

Time-->



#10

Methyl Iodide

Concen: 1.498 ug/l

RT: 3.94 min Scan# 675

Delta R.T. 0.00 min

Lab File: VN054260.D

Acq: 14 Mar 2019 14:28

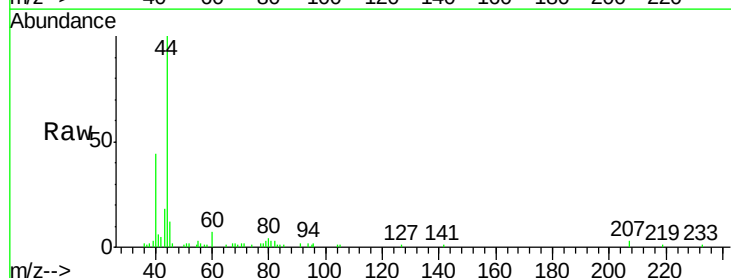
Tgt Ion:142 Resp: 31

Ion Ratio Lower Upper

142 100

127 771.0 30.3 45.5#

141 0.0 11.2 16.8#



Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V

300

250

200

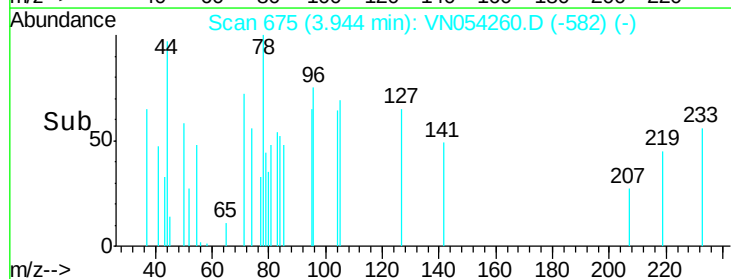
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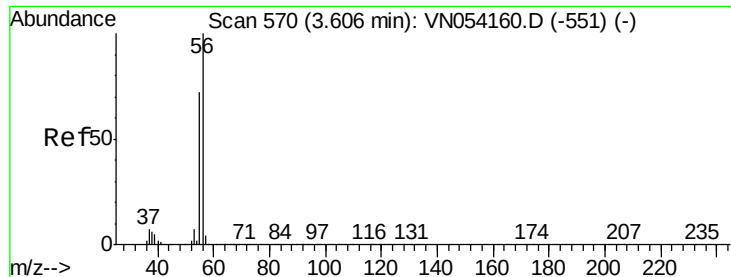
100

50

0

Time-->





#13

Acrolein

Concen: 0.350 ug/l

RT: 3.62 min Scan# 573

Delta R.T. 0.01 min

Lab File: VN054260.D

Acq: 14 Mar 2019 14:28

Instrument :

MSVOA_N

ClientSampled :

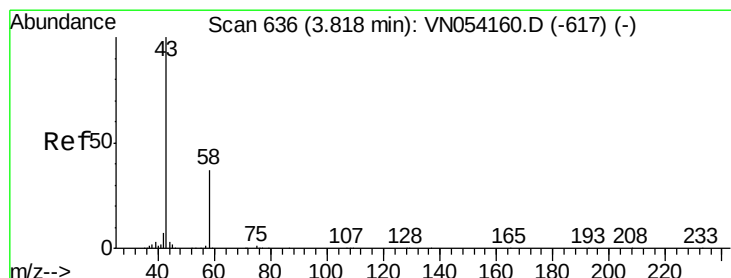
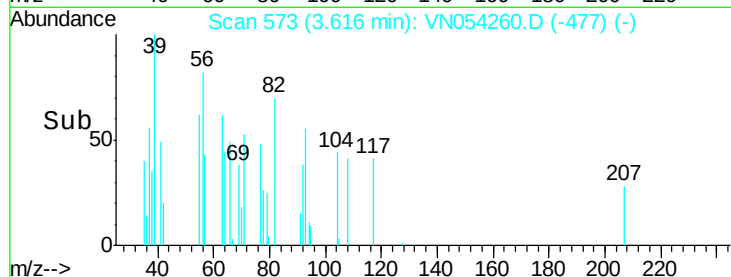
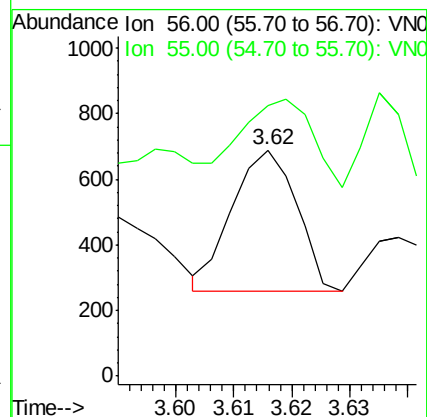
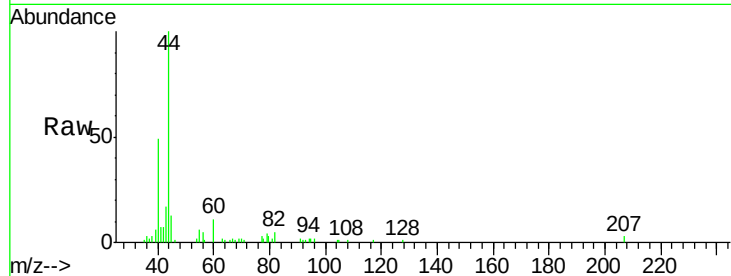
TRIP-BLANK

Tot Ion: 56 Resp: 329

Ion Ratio Lower Upper

56 100

55 114.3 56.7 85.1#



#16

Acetone

Concen: 0.280 ug/l

RT: 3.82 min Scan# 636

Delta R.T. 0.00 min

Lab File: VN054260.D

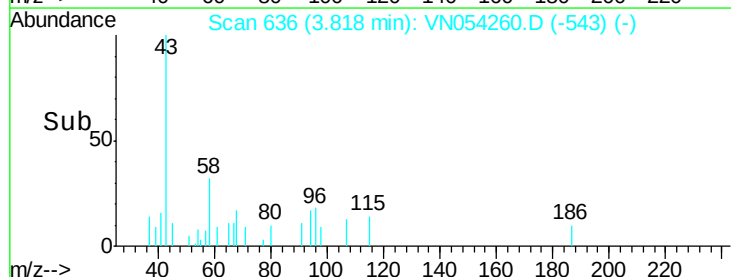
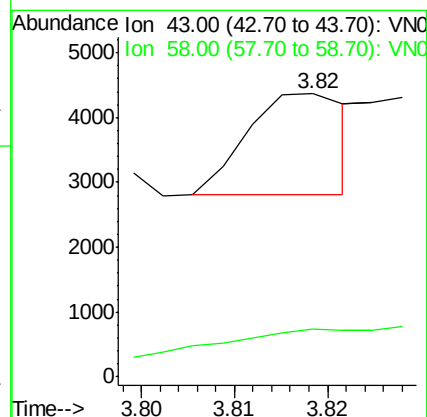
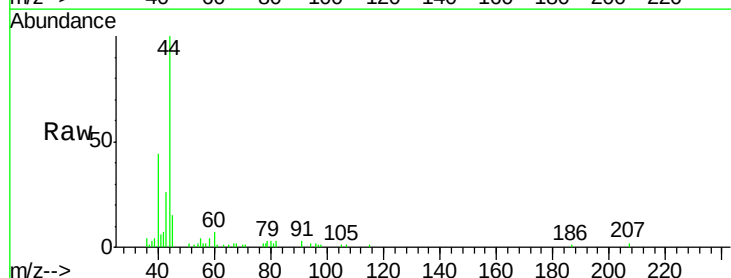
Acq: 14 Mar 2019 14:28

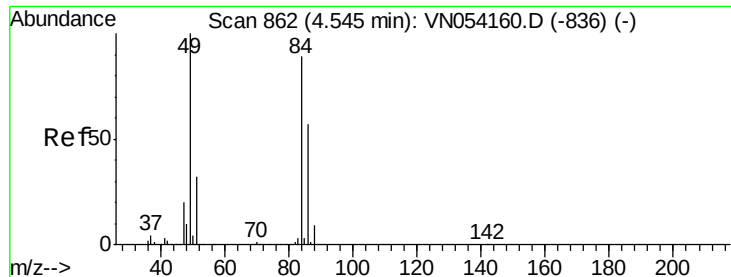
Tgt Ion: 43 Resp: 1159

Ion Ratio Lower Upper

43 100

58 16.7 29.9 44.9#

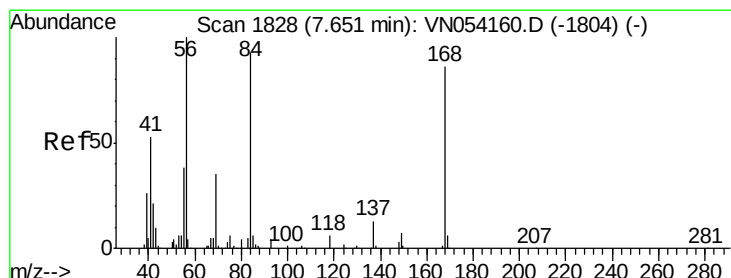
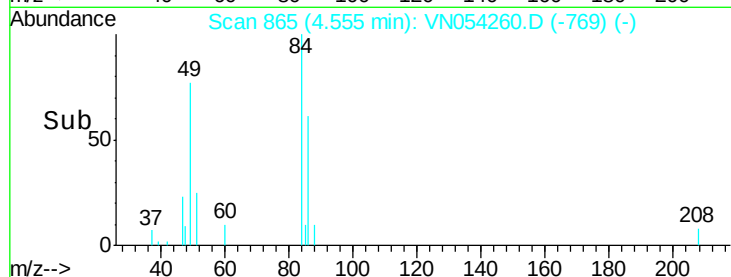
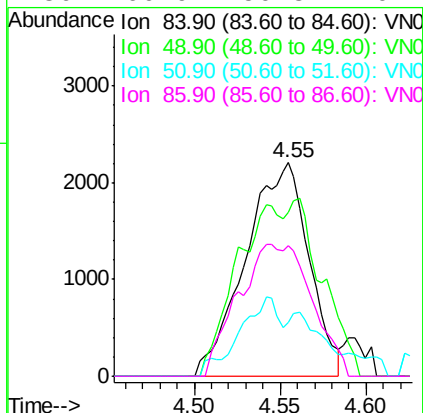
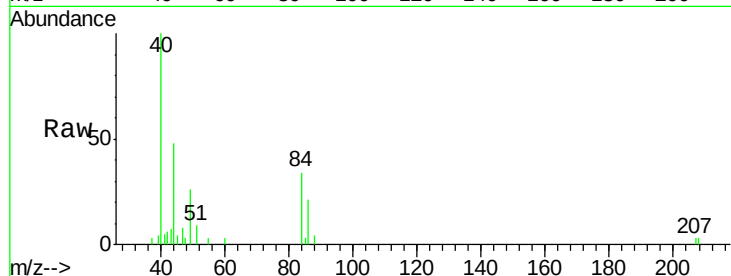




#20
Methylene Chloride
Concen: 0.414 ug/l
RT: 4.55 min Scan# 865
Delta R.T. 0.01 min
Lab File: VN054260.D
Acq: 14 Mar 2019 14:28

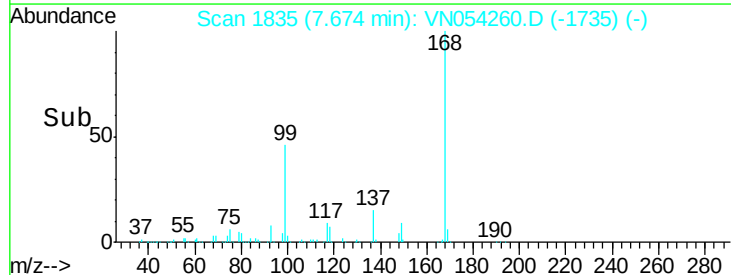
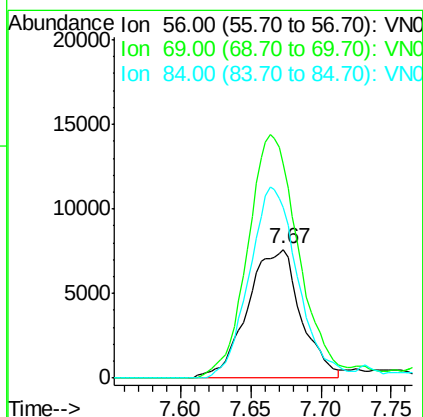
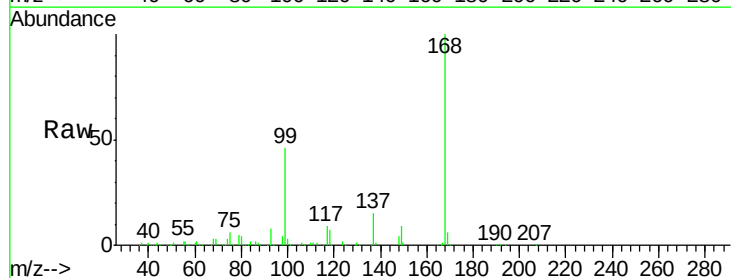
Instrument :
MSVOA_N
ClientSampled :
TRIP-BLANK

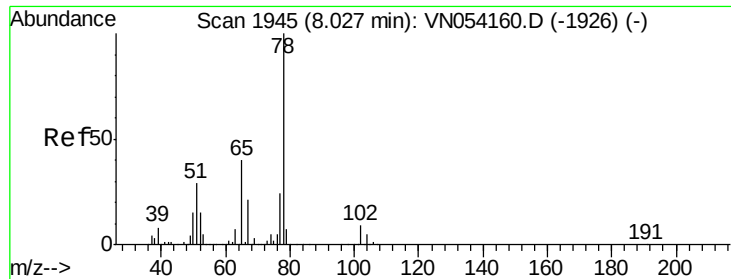
Tot Ion: 84 Resp: 5625
Ion Ratio Lower Upper
84 100
49 76.8 89.7 134.5#
51 25.0 28.2 42.4#
86 60.9 50.8 76.2



#31
Cyclohexane
Concen: Below Cal
RT: 7.67 min Scan# 1835
Delta R.T. 0.02 min
Lab File: VN054260.D
Acq: 14 Mar 2019 14:28

Tgt Ion: 56 Resp: 20064
Ion Ratio Lower Upper
56 100
69 166.4 27.8 41.6#
84 132.3 74.6 111.8#

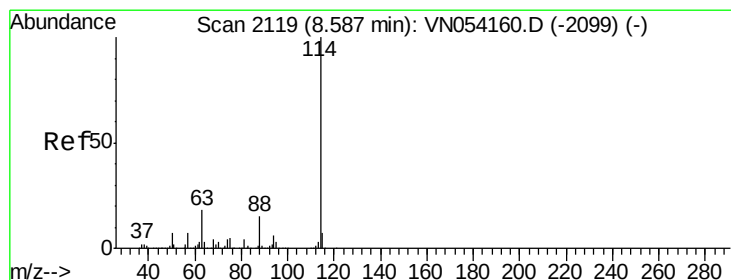
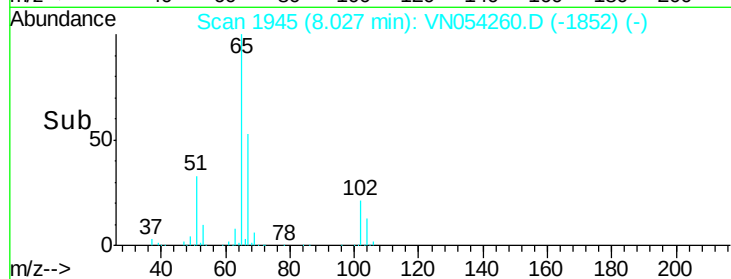
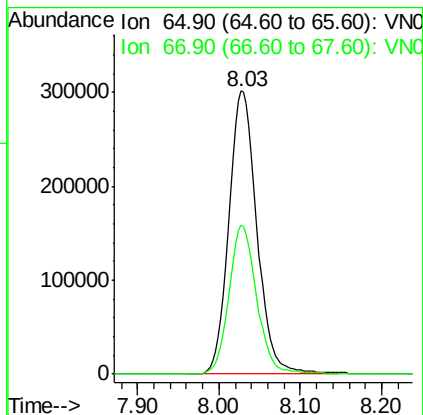
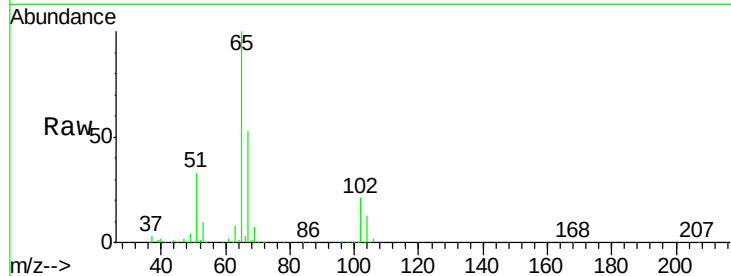




#33
 1,2-Dichloroethane-d4
 Concen: 50.418 ug/l
 RT: 8.03 min Scan# 1945
 Delta R.T. 0.00 min
 Lab File: VN054260.D
 Acq: 14 Mar 2019 14:28

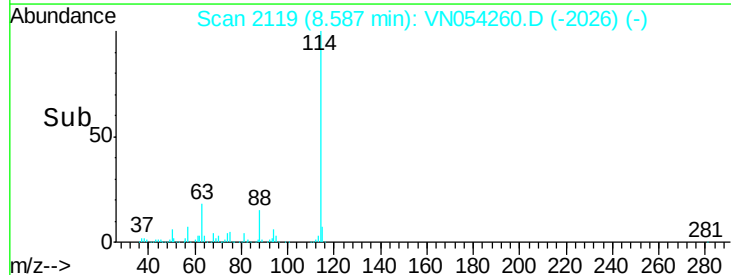
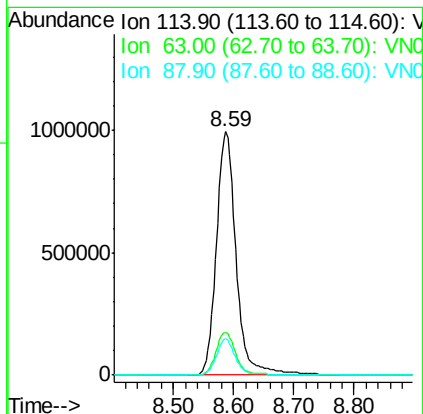
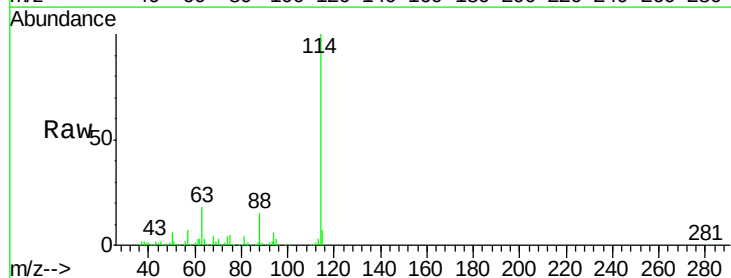
Instrument :
 MSVOA_N
 ClientSampleId :
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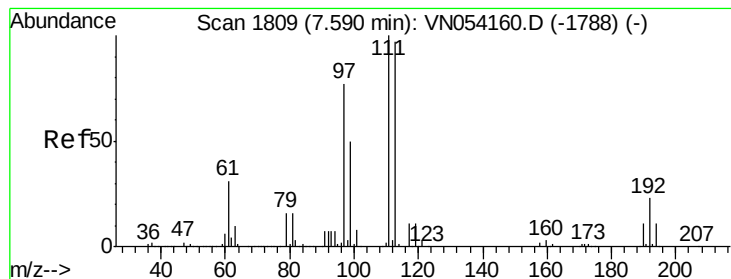
Tot Ion: 65 Resp: 728840
 Ion Ratio Lower Upper
 65 100
 67 52.0 0.0 104.6



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.59 min Scan# 2119
 Delta R.T. 0.00 min
 Lab File: VN054260.D
 Acq: 14 Mar 2019 14:28

Tgt Ion: 114 Resp: 2230434
 Ion Ratio Lower Upper
 114 100
 63 17.6 0.0 35.2
 88 14.8 0.0 30.2





#35

Dibromofluoromethane

Concen: 48.386 ug/l

RT: 7.59 min Scan# 1809

Delta R.T. 0.00 min

Lab File: VN054260.D

Acq: 14 Mar 2019 14:28

Instrument :

MSVOA_N

ClientSampled :

TRIP-BLANK

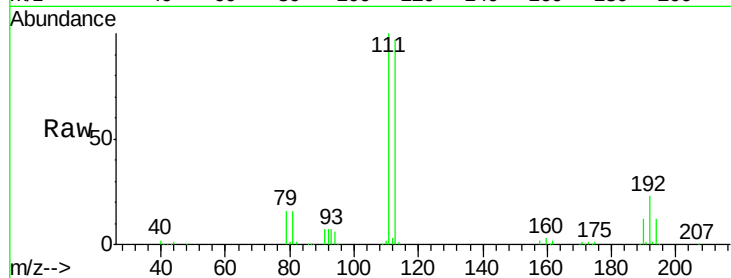
Tot Ion:113 Resp: 696048

Ion Ratio Lower Upper

113 100

111 103.1 82.2 123.4

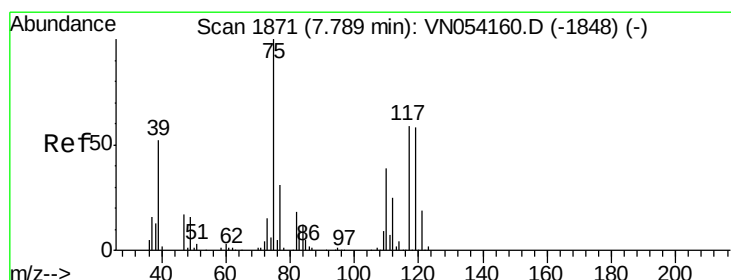
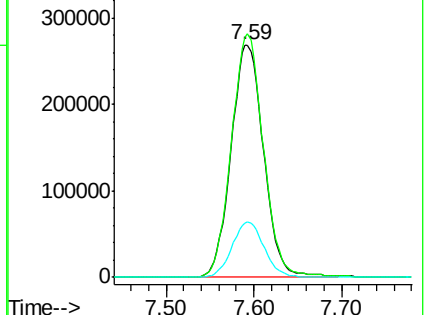
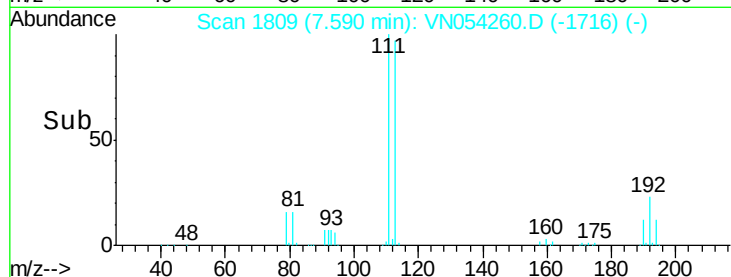
192 23.5 19.2 28.8



Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V



#36

1,1-Dichloropropene

Concen: 3.752 ug/l

RT: 7.66 min Scan# 1832

Delta R.T. -0.13 min

Lab File: VN054260.D

Acq: 14 Mar 2019 14:28

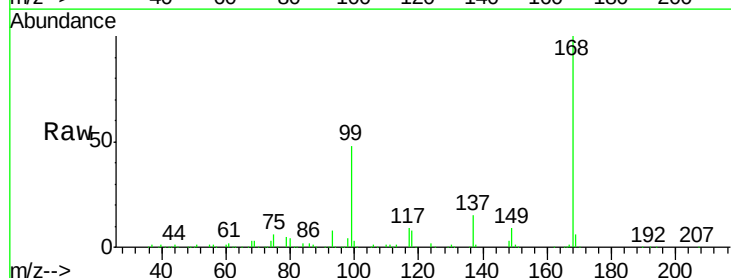
Tgt Ion: 75 Resp: 77077

Ion Ratio Lower Upper

75 100

110 10.5 19.1 57.5#

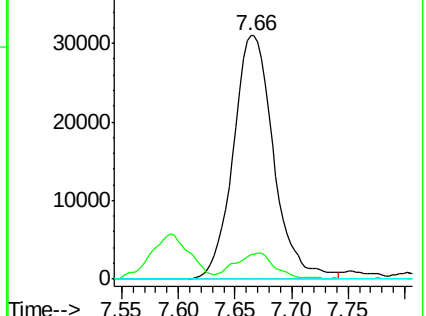
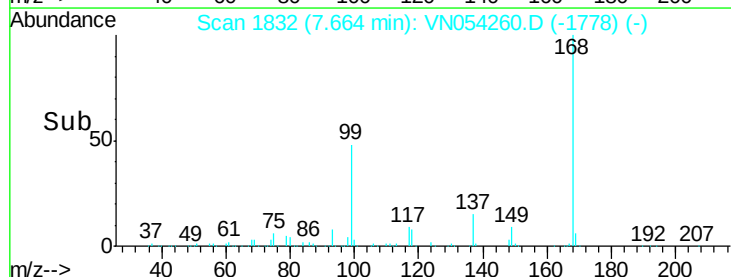
77 0.0 25.0 37.4#

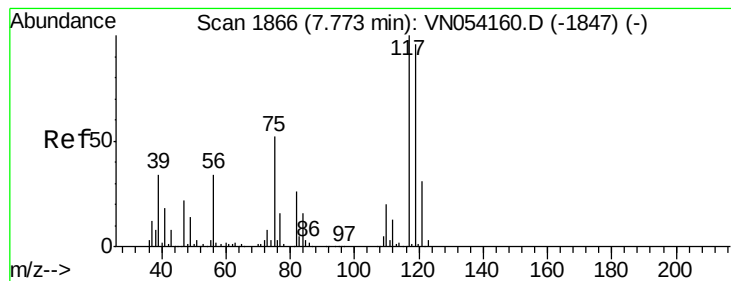


Abundance Ion 74.90 (74.60 to 75.60): V

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): V





#38

Carbon Tetrachloride

Concen: 5.154 ug/l

RT: 7.67 min Scan# 1833

Delta R.T. -0.11 min

Lab File: VN054260.D

Acq: 14 Mar 2019 14:28

Instrument :

MSVOA_N

ClientSampled :

TRIP-BLANK

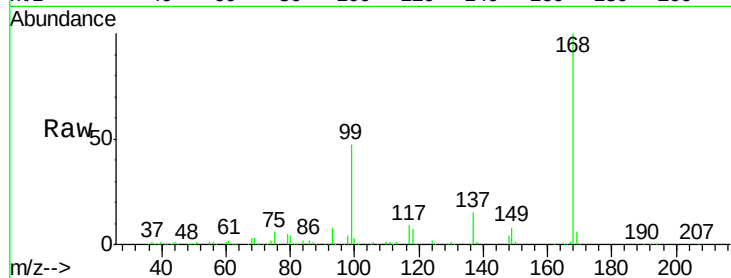
Tot Ion:117 Resp: 111015

Ion Ratio Lower Upper

117 100

119 4.8 76.3 114.5#

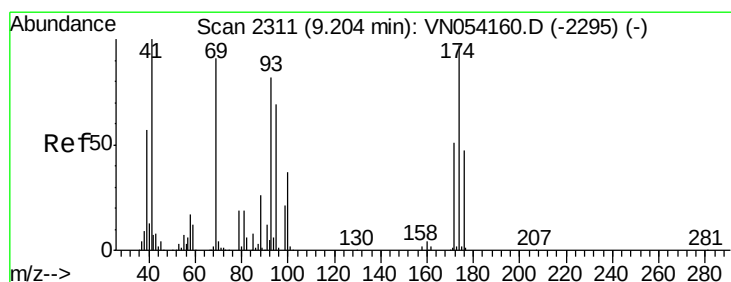
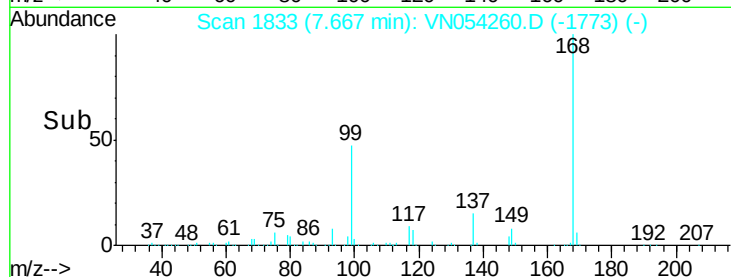
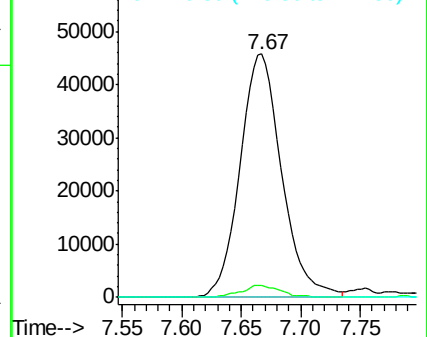
121 0.0 24.6 36.8#



Abundance Ion 116.80 (116.50 to 117.50): V

Ion 118.80 (118.50 to 119.50): V

Ion 120.80 (120.50 to 121.50): V



#49

1,4-Dioxane

Concen: 0.202 ug/l

RT: 9.02 min Scan# 2253

Delta R.T. -0.19 min

Lab File: VN054260.D

Acq: 14 Mar 2019 14:28

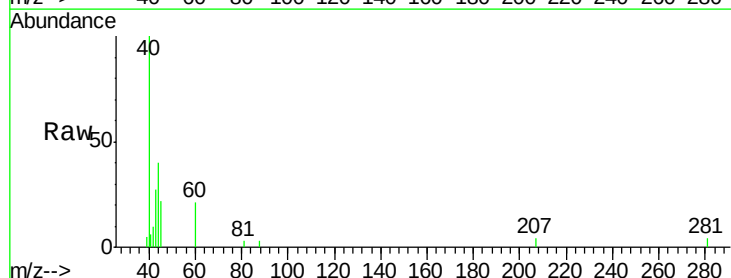
Tgt Ion: 88 Resp: 30

Ion Ratio Lower Upper

88 100

43 1180.0 24.1 36.1#

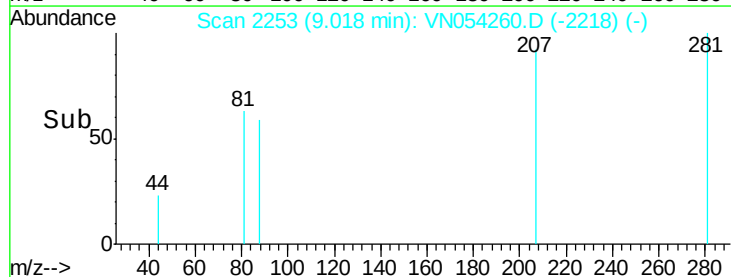
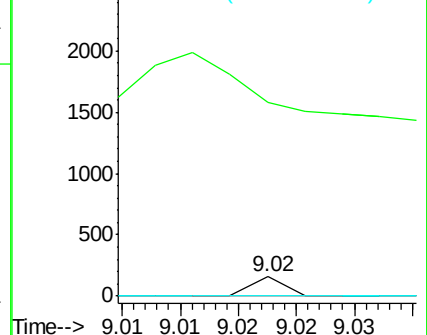
58 0.0 50.8 76.2#

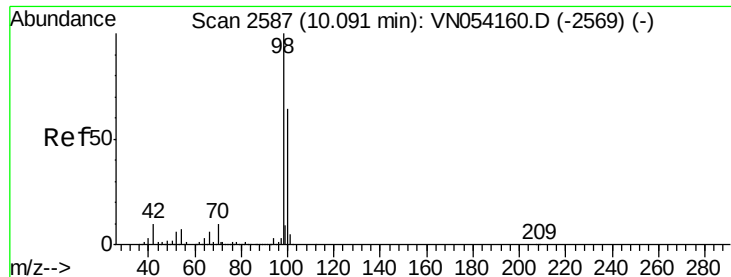


Abundance Ion 88.00 (87.70 to 88.70): V

Ion 43.00 (42.70 to 43.70): V

Ion 58.00 (57.70 to 58.70): V





#50

Toluene-d8

Concen: 52.131 ug/l

RT: 10.09 min Scan# 2587

Delta R.T. 0.00 min

Lab File: VN054260.D

Acq: 14 Mar 2019 14:28

Instrument :

MSVOA_N

ClientSampled :

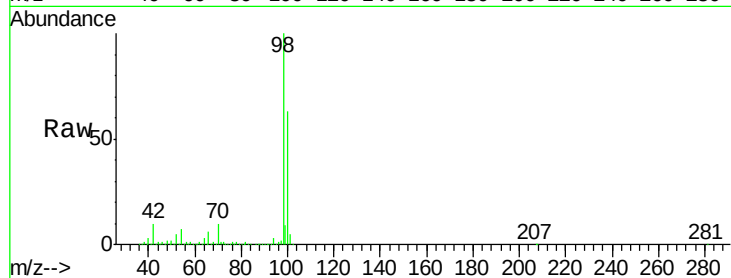
TRIP-BLANK

Tot Ion: 98 Resp: 2769576

Ion Ratio Lower Upper

98 100

100 63.7 51.2 76.8



Abundance Ion 98.00 (97.70 to 98.70): VN0

Ion 100.00 (99.70 to 100.70): VN

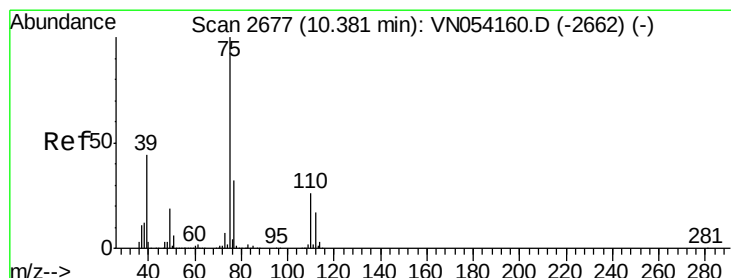
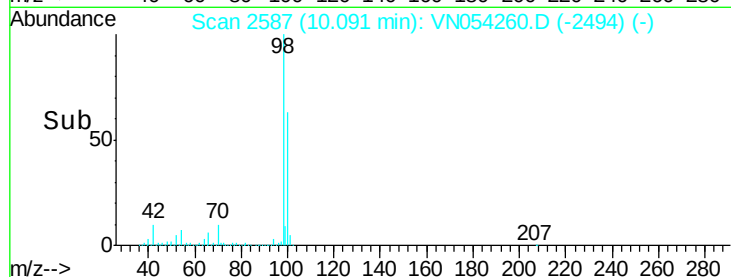
1500000

1000000

500000

0

Time-->



#53

t-1,3-Dichloropropene

Concen: 1.995 ug/l

RT: 10.38 min Scan# 2677

Delta R.T. 0.00 min

Lab File: VN054260.D

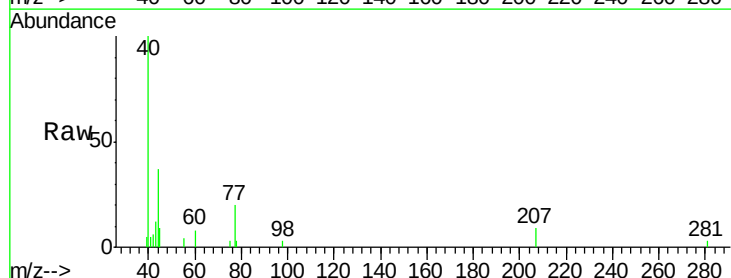
Acq: 14 Mar 2019 14:28

Tgt Ion: 75 Resp: 216

Ion Ratio Lower Upper

75 100

77 184.6 25.8 38.8#



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 76.90 (76.60 to 77.60): VN0

2000

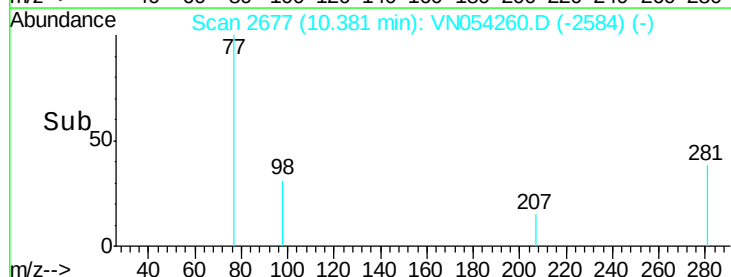
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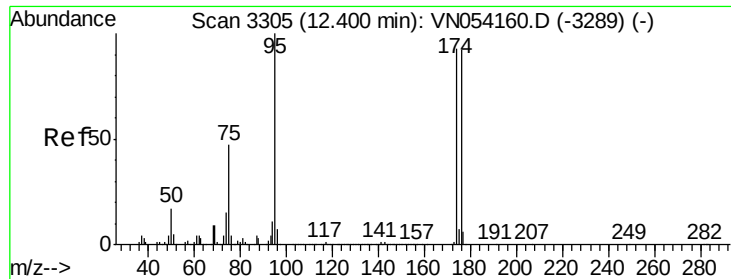
1000

500

0

Time-->

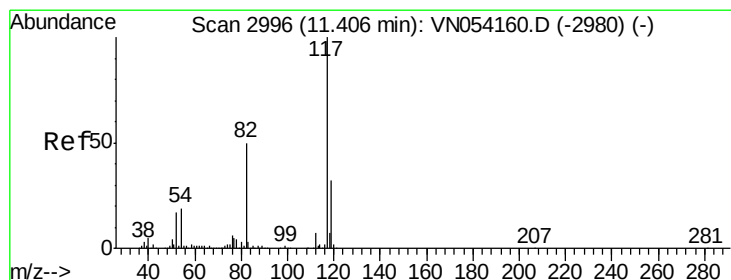
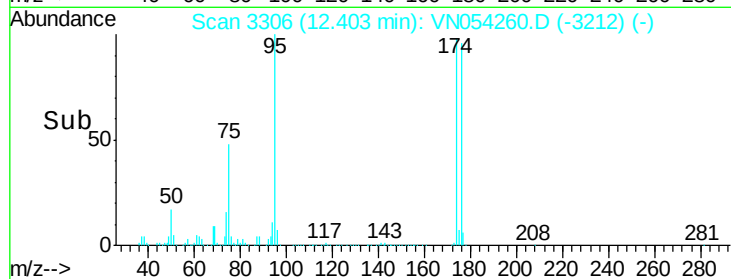
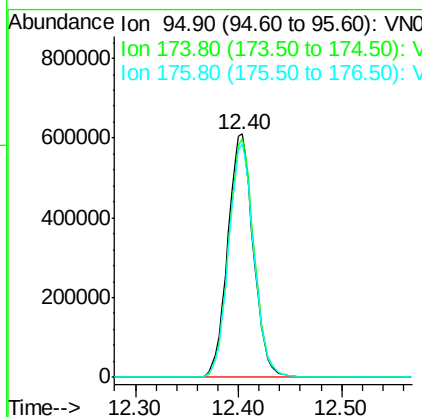
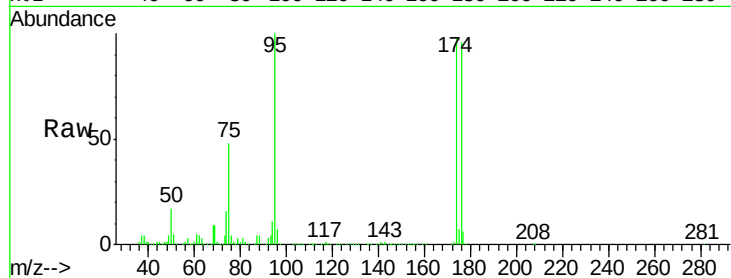




#62
 4-Bromofluorobenzene
 Concen: 56.641 ug/l
 RT: 12.40 min Scan# 3306
 Delta R.T. 0.00 min
 Lab File: VN054260.D
 Acq: 14 Mar 2019 14:28

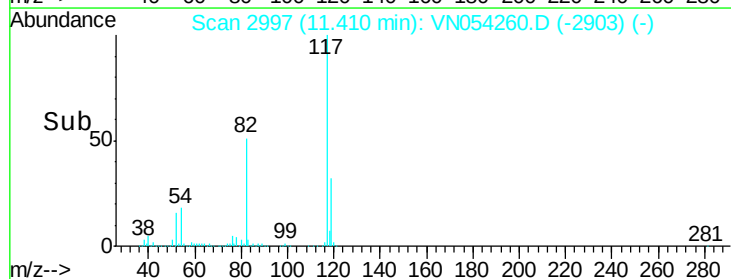
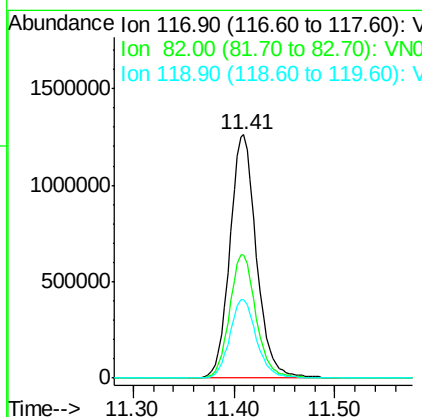
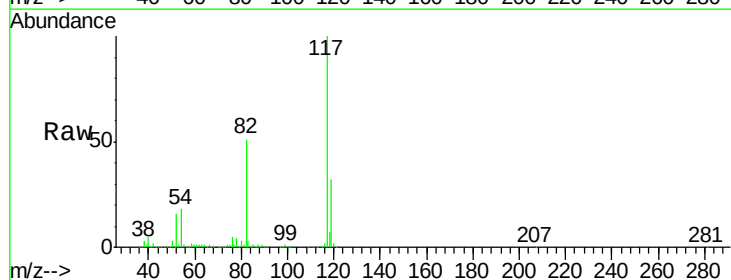
Instrument :
 MSVOA_N
 ClientSampleId :
 TRIP-BLANK

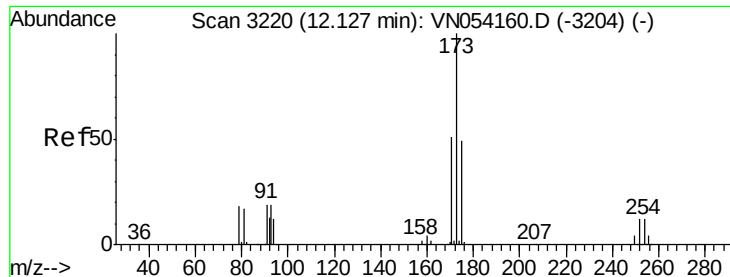
Tot Ion: 95 Resp: 1052923
 Ion Ratio Lower Upper
 95 100
 174 98.1 0.0 191.0
 176 95.0 0.0 187.4



#63
 Chlorobenzene-d5
 Concen: 50.000 ug/l
 RT: 11.41 min Scan# 2997
 Delta R.T. 0.00 min
 Lab File: VN054260.D
 Acq: 14 Mar 2019 14:28

Tgt Ion: 117 Resp: 2315371
 Ion Ratio Lower Upper
 117 100
 82 50.5 40.0 60.0
 119 32.3 25.8 38.6

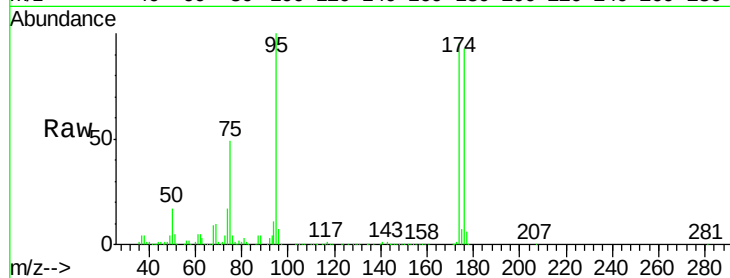




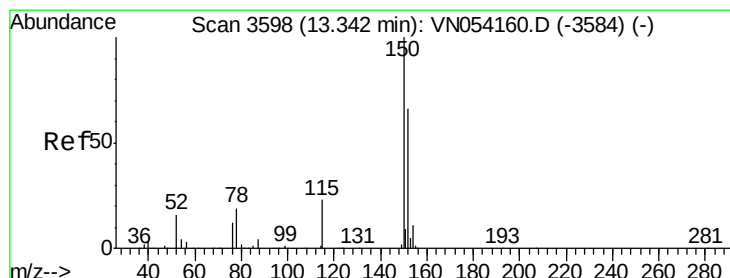
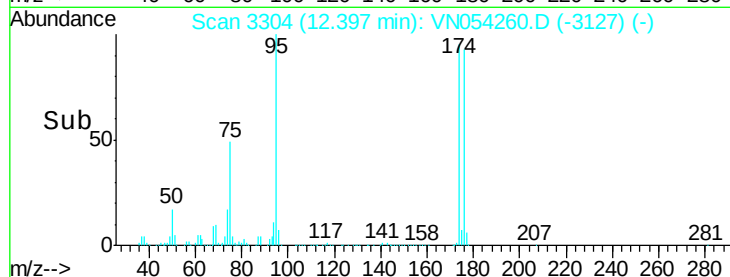
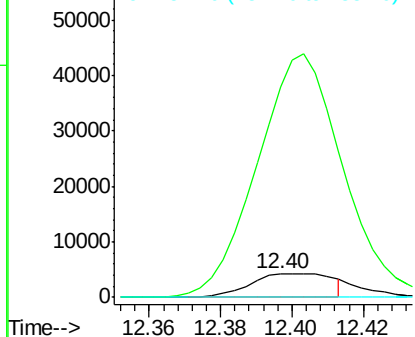
#71
Bromoform
Concen: 2.812 ug/l
RT: 12.40 min Scan# 3304
Delta R.T. 0.27 min
Lab File: VN054260.D
Acq: 14 Mar 2019 14:28

Instrument :
MSVOA_N
ClientSampleId :
TRIP-BLANK

Tot Ion:173 Resp: 6818
Ion Ratio Lower Upper
173 100
175 914.4 24.4 73.2#
254 0.0 0.1 0.1#

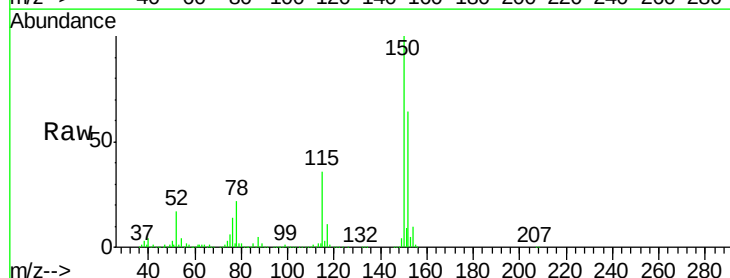


Abundance Ion 172.70 (172.40 to 173.40): V
Ion 174.70 (174.40 to 175.40): V
Ion 254.40 (254.10 to 255.10): V

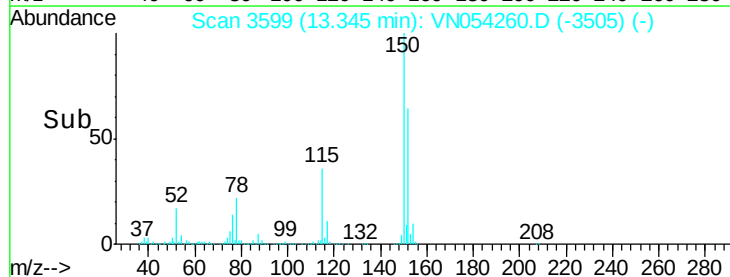
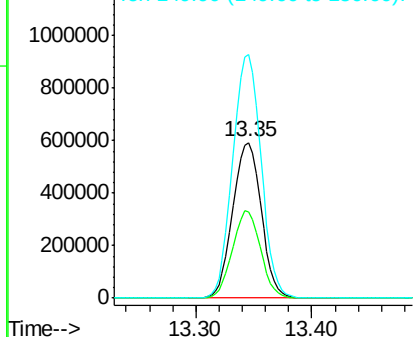


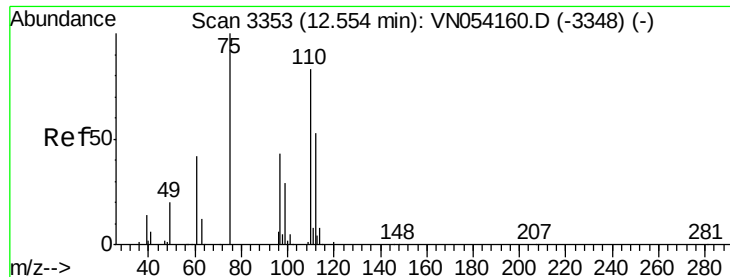
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.35 min Scan# 3599
Delta R.T. 0.00 min
Lab File: VN054260.D
Acq: 14 Mar 2019 14:28

Tgt Ion:152 Resp: 1005957
Ion Ratio Lower Upper
152 100
115 55.2 27.2 81.6
150 156.2 0.0 349.2



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: 34.246 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. -0.15 min

Lab File: VN054260.D

Acq: 14 Mar 2019 14:28

Instrument :

MSVOA_N

ClientSampled :

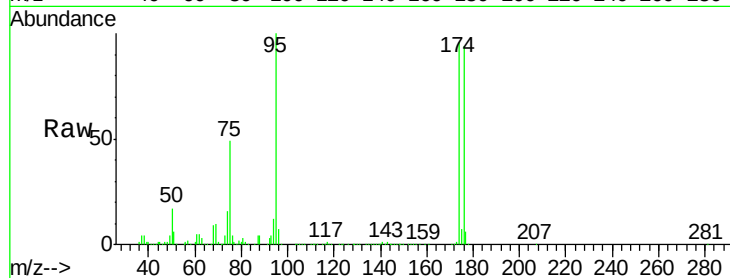
TRIP-BLANK

Tot Ion: 75 Resp: 506598

Ion Ratio Lower Upper

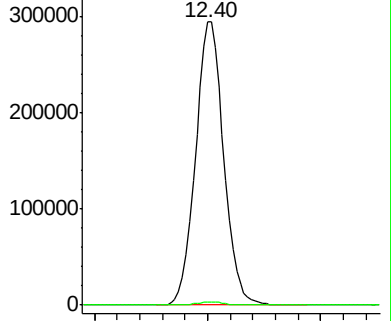
75 100

77 1.2 0.0 0.0#

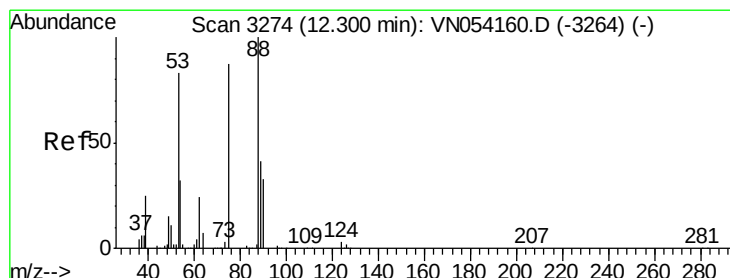
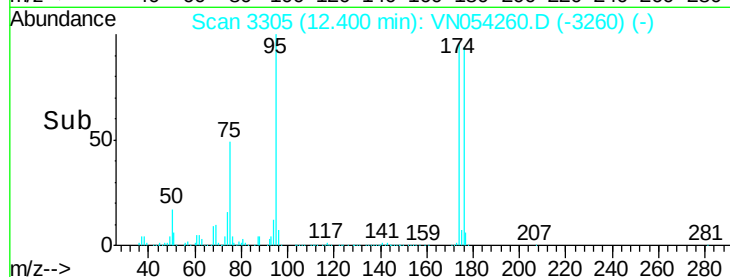


Abundance Ion 74.90 (74.60 to 75.60): VNO

Ion 77.00 (76.70 to 77.70): VNO



Time--> 12.30 12.40 12.50



#81

trans-1,4-Dichloro-2-butene

Concen: 117.067 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. 0.10 min

Lab File: VN054260.D

Acq: 14 Mar 2019 14:28

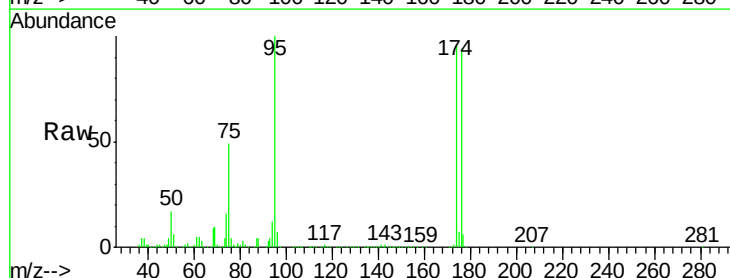
Tgt Ion: 75 Resp: 506598

Ion Ratio Lower Upper

75 100

53 0.0 76.2 114.2#

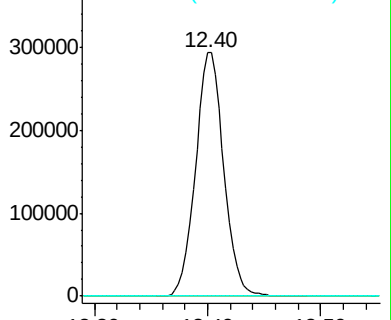
89 0.0 39.2 58.8#



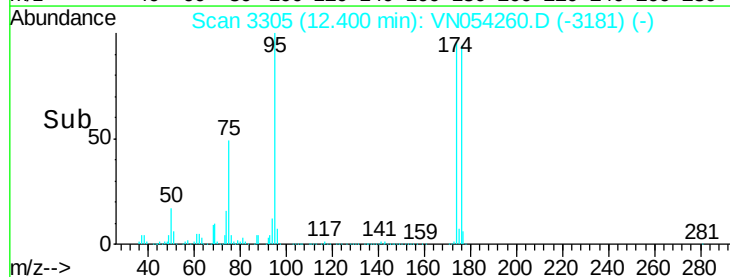
Abundance Ion 74.90 (74.60 to 75.60): VNO

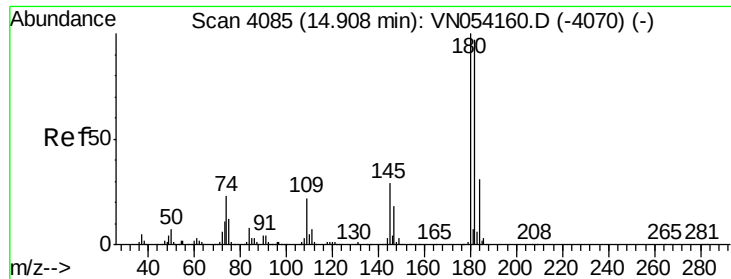
Ion 53.00 (52.70 to 53.70): VNO

Ion 88.90 (88.60 to 89.60): VNO



Time--> 12.30 12.40 12.50





#93

1,2,4-Trichlorobenzene

Concen: 2.574 ug/l

RT: 14.92 min Scan# 4088

Delta R.T. 0.01 min

Lab File: VN054260.D

Acq: 14 Mar 2019 14:28

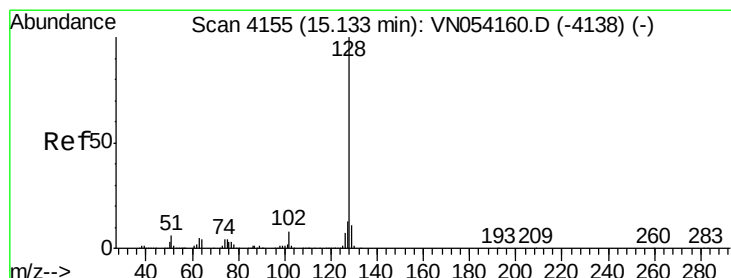
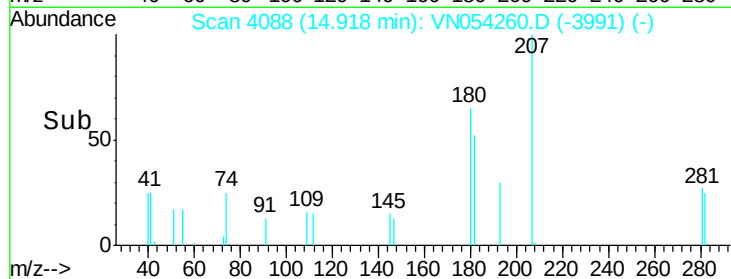
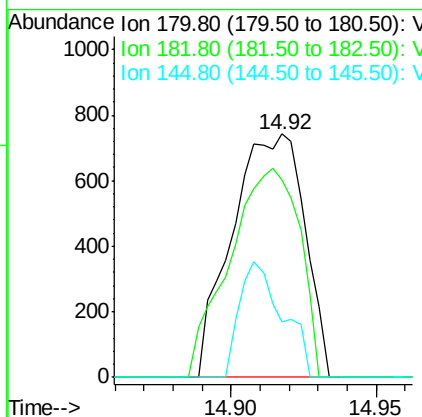
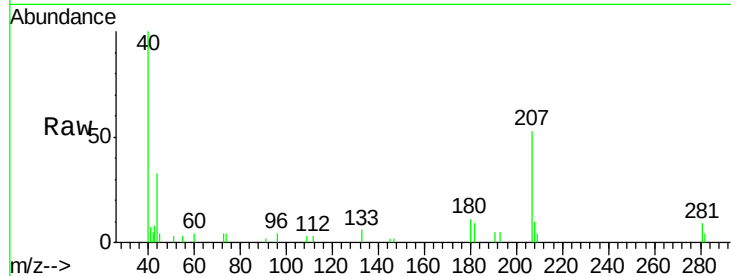
Instrument :

MSVOA_N

ClientSampled :

TRIP-BLANK

Tot Ion:	180	Resp:	1287
Ion	Ratio	Lower	Upper
180	100		
182	83.3	48.0	144.2
145	28.0	14.2	42.8



#95

Naphthalene

Concen: 3.532 ug/l

RT: 15.14 min Scan# 4156

Delta R.T. 0.00 min

Lab File: VN054260.D

Acq: 14 Mar 2019 14:28

Tgt Ion:	128	Resp:	2972
Ion	Ratio	Lower	Upper
128	100		
127	8.7	10.1	15.1#
129	3.8	8.7	13.1#

