

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW090219\
 Data File : VW012528.D
 Acq On : 03 Sep 2019 04:58
 Operator : SY/VA
 Sample : K4544-15
 Misc : 5.04G/5ML/MSVOA_W/SOIL
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 T16-17-C1-(2.25)

Quant Time: Sep 03 07:46:51 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W082319S.M
 Quant Title : SW846 8260
 QLast Update : Mon Aug 26 07:18:31 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	235278	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	386587	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	317058	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	121660	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.31	65	141698	50.66	ug/l	0.00
Spiked Amount 50.000			Recovery	=	101.32%	
35) Dibromofluoromethane	7.88	113	115063	49.86	ug/l	0.00
Spiked Amount 50.000			Recovery	=	99.72%	
50) Toluene-d8	10.32	98	464114	49.60	ug/l	0.00
Spiked Amount 50.000			Recovery	=	99.20%	
62) 4-Bromofluorobenzene	12.62	95	142676	43.26	ug/l	0.00
Spiked Amount 50.000			Recovery	=	86.52%	

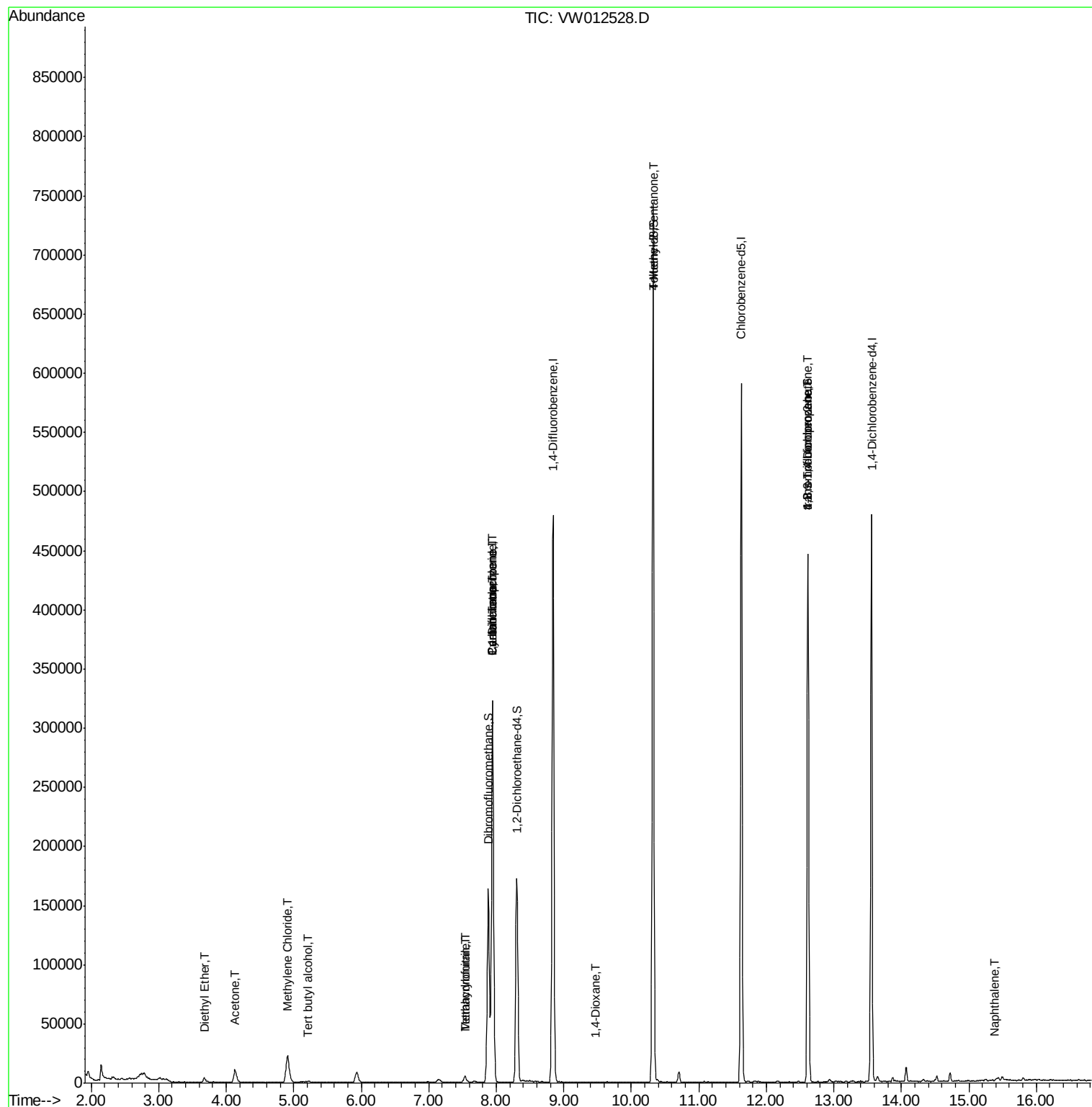
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
8) Diethyl Ether	3.68	74	1943	1.484	ug/l	78
11) Tert butyl alcohol	5.20	59	259	1.539	ug/l #	65
16) Acetone	4.14	43	20877	29.201	ug/l	97
20) Methylene Chloride	4.91	84	16736	6.192	ug/l	95
29) Tetrahydrofuran	7.54	42	4778	8.197	ug/l	98
31) Cyclohexane	7.95	56	5586	1.109	ug/l #	1
36) 1,1-Dichloropropene	7.95	75	19193	4.804	ug/l #	51
38) Carbon Tetrachloride	7.95	117	24142	6.982	ug/l #	17
41) Methacrylonitrile	7.53	41	2846	2.212	ug/l #	54
49) 1,4-Dioxane	9.47	88	26	1.300	ug/l #	14
51) 4-Methyl-2-Pentanone	10.32	43	2780	1.348	ug/l #	1
76) 1,2,3-Trichloropropane	12.62	75	75435	63.665	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.62	75	75435	139.587	ug/l #	6
95) Naphthalene	15.37	128	79	4.337	ug/l #	69

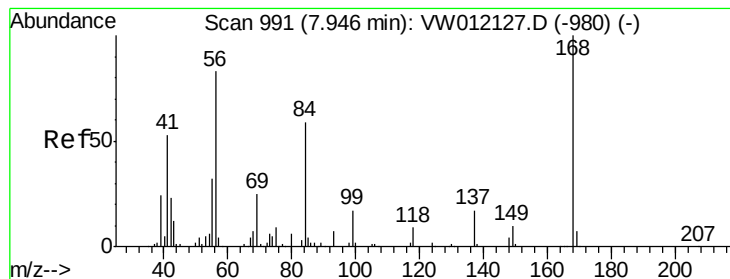
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.95 min Scan# 991

Delta R.T. -0.00 min

Lab File: VW012528.D

Acq: 03 Sep 2019 04:58

Instrument :

MSVOA_W

ClientSampleId :

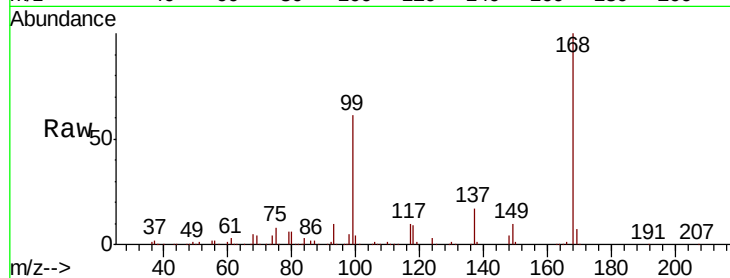
T16-17-C1-(2.25)

Tgt Ion:168 Resp: 235278

Ion Ratio Lower Upper

168 100

99 61.4 49.2 73.8



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW

7.95

120000

100000

80000

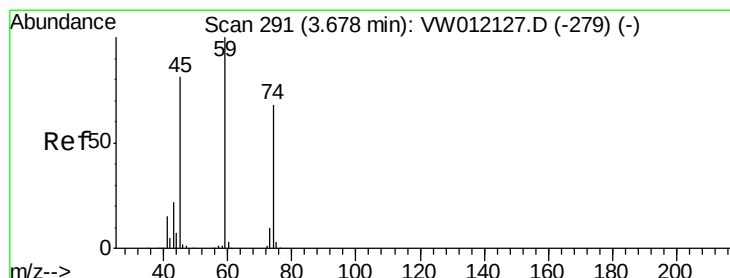
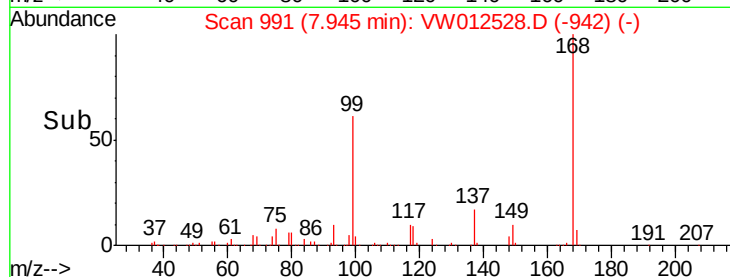
60000

40000

20000

0

Time--> 7.80 7.90 8.00



#8

Diethyl Ether

Concen: 1.484 ug/l

RT: 3.68 min Scan# 292

Delta R.T. 0.01 min

Lab File: VW012528.D

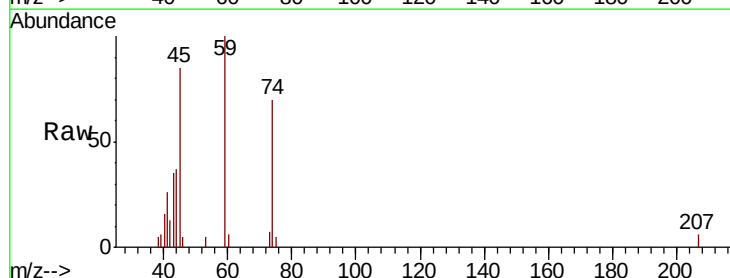
Acq: 03 Sep 2019 04:58

Tgt Ion: 74 Resp: 1943

Ion Ratio Lower Upper

74 100

45 143.0 59.2 177.6



Abundance Ion 74.00 (73.70 to 74.70): VW

Ion 45.00 (44.70 to 45.70): VW

3.68

1200

1000

800

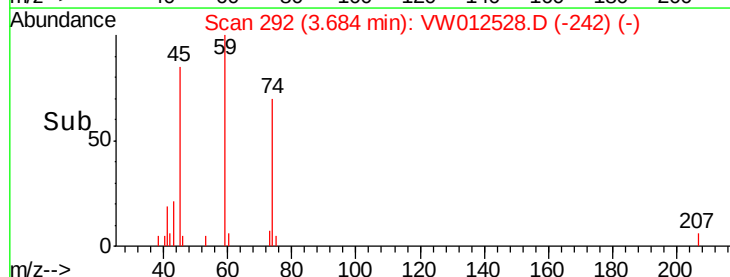
600

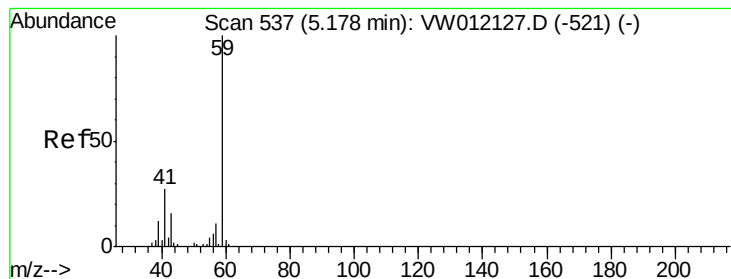
400

200

0

Time--> 3.60 3.65 3.70 3.75



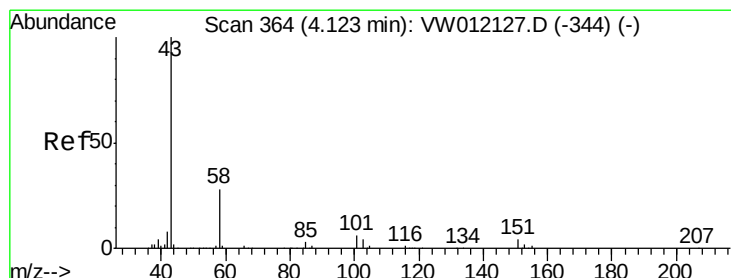
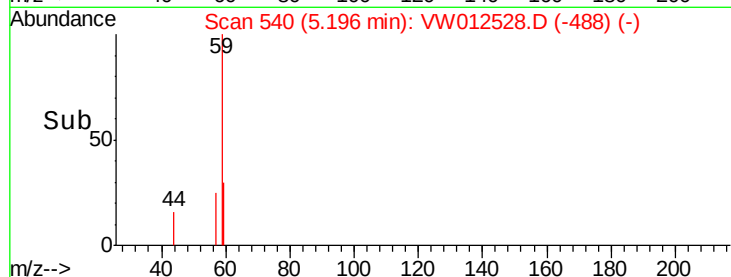
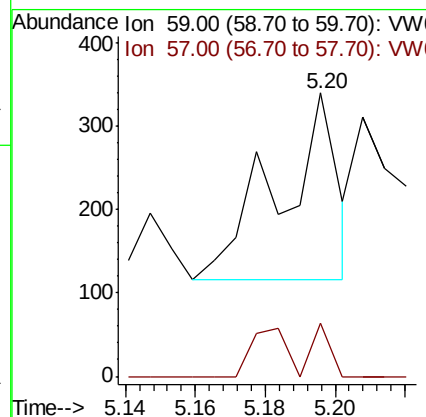
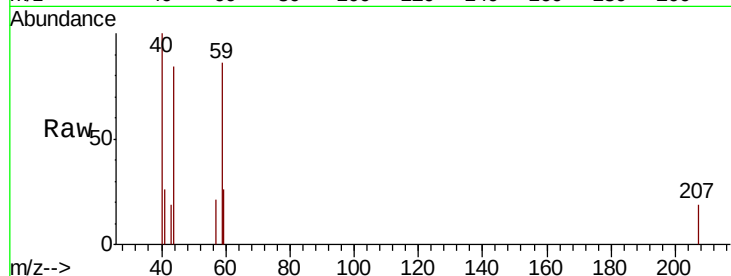


#11

Tert butyl alcohol
 Concen: 1.539 ug/l
 RT: 5.20 min Scan# 540
 Delta R.T. 0.02 min
 Lab File: VW012528.D
 Acq: 03 Sep 2019 04:58

Instrument :
 MSVOA_W
 ClientSampleId :
 T16-17-C1-(2.25)

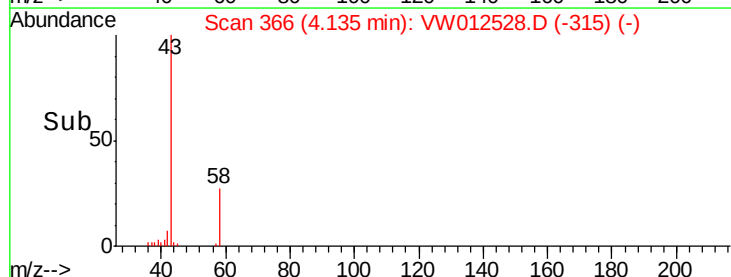
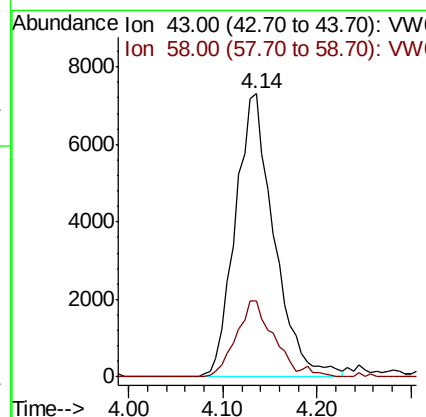
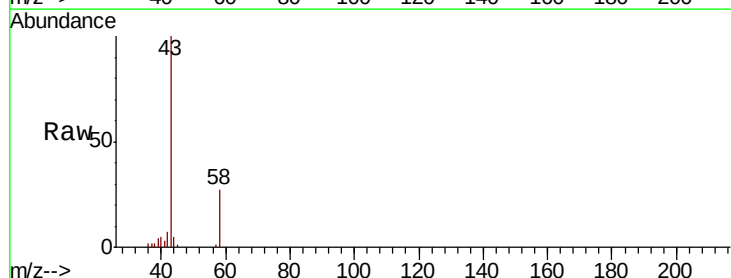
Tgt Ion: 59 Resp: 259
 Ion Ratio Lower Upper
 59 100
 57 24.7 9.0 13.4#

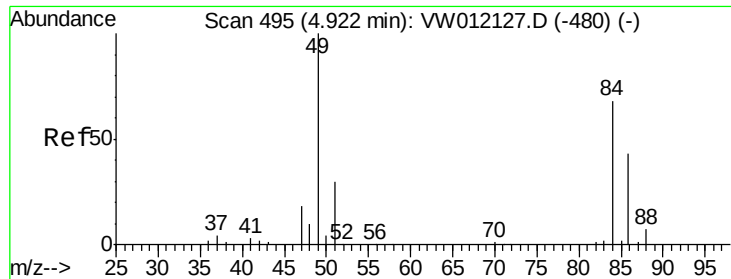


#16

Acetone
 Concen: 29.201 ug/l
 RT: 4.14 min Scan# 366
 Delta R.T. 0.01 min
 Lab File: VW012528.D
 Acq: 03 Sep 2019 04:58

Tgt Ion: 43 Resp: 20877
 Ion Ratio Lower Upper
 43 100
 58 26.7 22.4 33.6

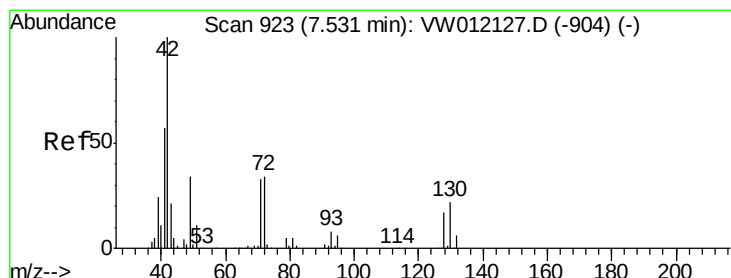
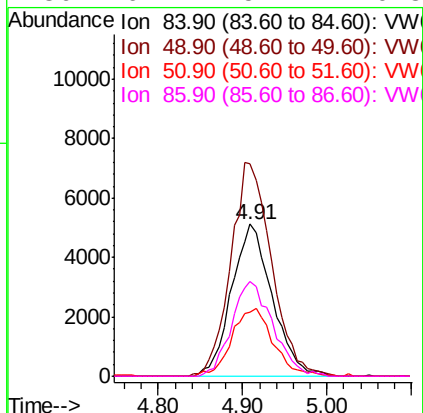
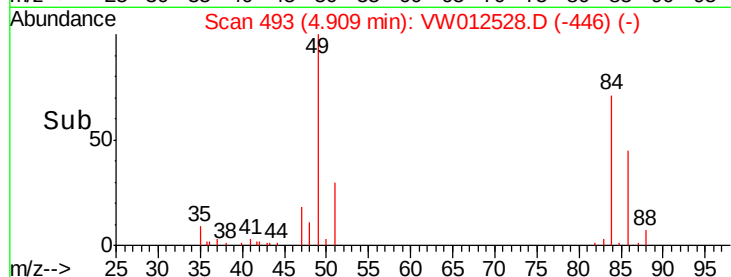
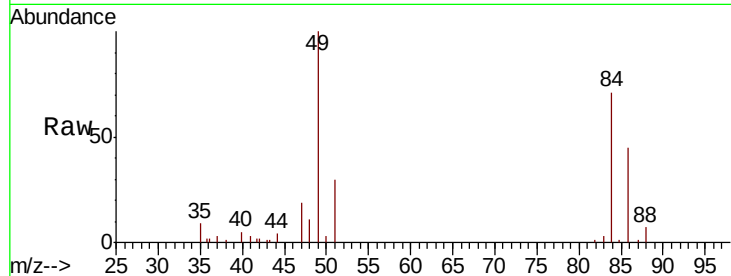




#20
Methylene Chloride
Concen: 6.192 ug/l
RT: 4.91 min Scan# 493
Delta R.T. -0.01 min
Lab File: VW012528.D
Acq: 03 Sep 2019 04:58

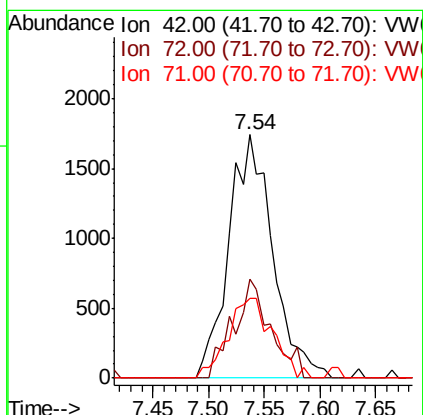
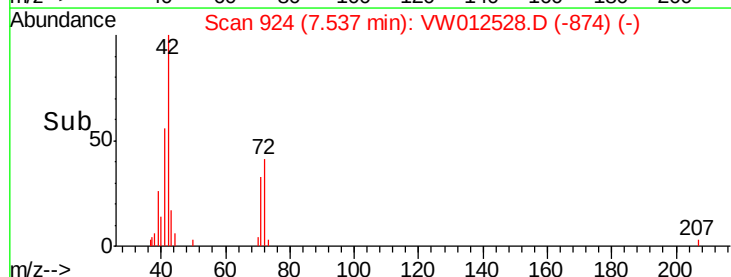
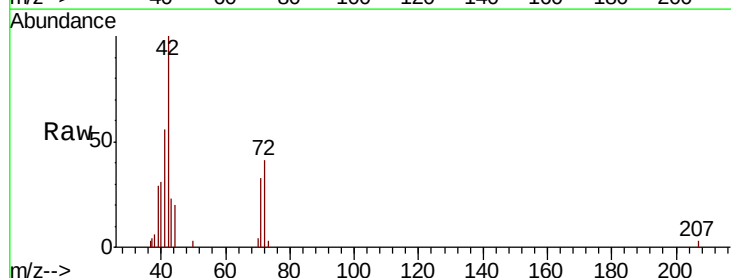
Instrument :
MSVOA_W
ClientSampleId :
T16-17-C1-(2.25)

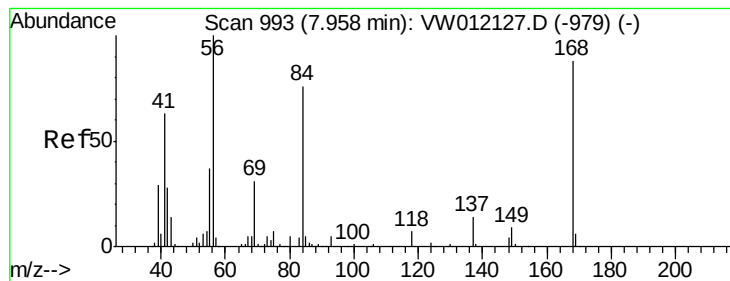
Tgt Ion:	84	Resp:	16736
Ion	Ratio	Lower	Upper
84	100		
49	140.1	117.8	176.8
51	41.9	35.6	53.4
86	62.4	51.2	76.8



#29
Tetrahydrofuran
Concen: 8.197 ug/l
RT: 7.54 min Scan# 924
Delta R.T. 0.01 min
Lab File: VW012528.D
Acq: 03 Sep 2019 04:58

Tgt Ion:	42	Resp:	4778
Ion	Ratio	Lower	Upper
42	100		
72	34.8	27.3	40.9
71	33.6	25.5	38.3





#31

Cyclohexane

Concen: 1.109 ug/l

RT: 7.95 min Scan# 991

Delta R.T. -0.01 min

Lab File: VW012528.D

Acq: 03 Sep 2019 04:58

Instrument :

MSVOA_W

ClientSampleId :

T16-17-C1-(2.25)

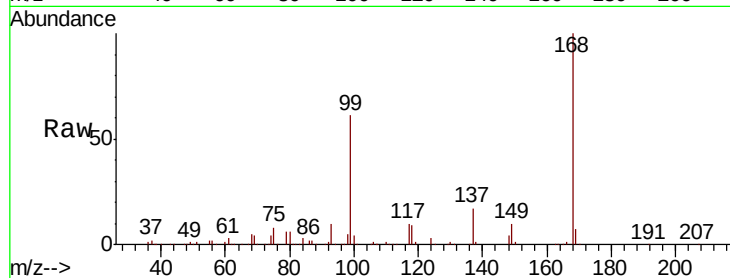
Tgt Ion: 56 Resp: 5586

Ion Ratio Lower Upper

56 100

69 166.0 24.9 37.3#

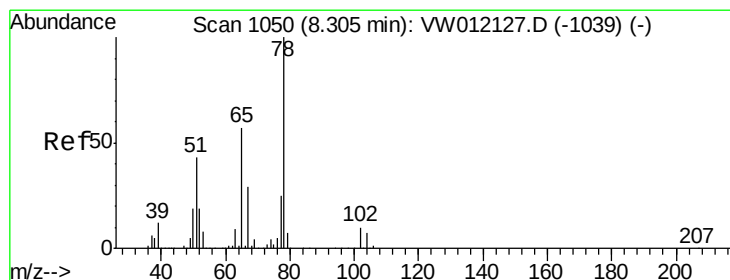
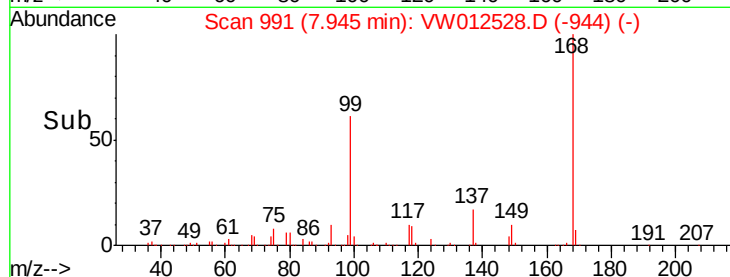
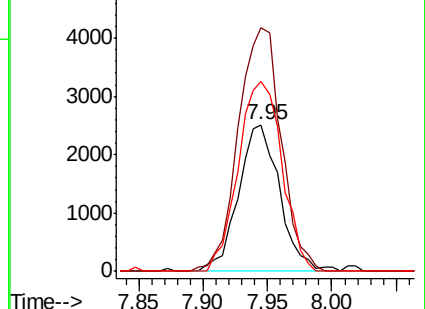
84 129.7 60.6 90.8#



Abundance Ion 56.00 (55.70 to 56.70): VW

Ion 69.00 (68.70 to 69.70): VW

Ion 84.00 (83.70 to 84.70): VW



#33

1,2-Dichloroethane-d4

Concen: 50.663 ug/l

RT: 8.31 min Scan# 1050

Delta R.T. -0.00 min

Lab File: VW012528.D

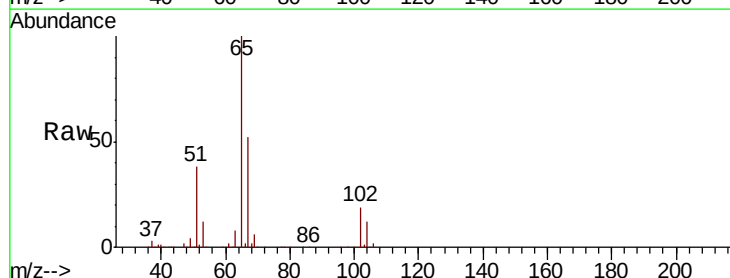
Acq: 03 Sep 2019 04:58

Tgt Ion: 65 Resp: 141698

Ion Ratio Lower Upper

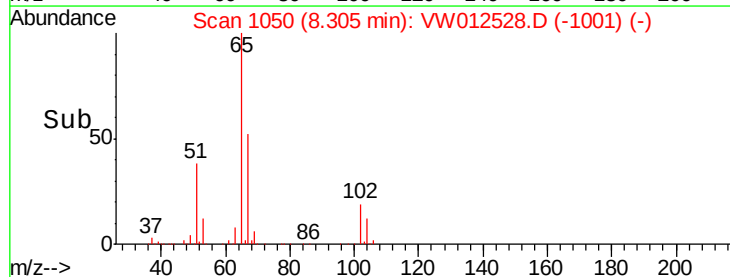
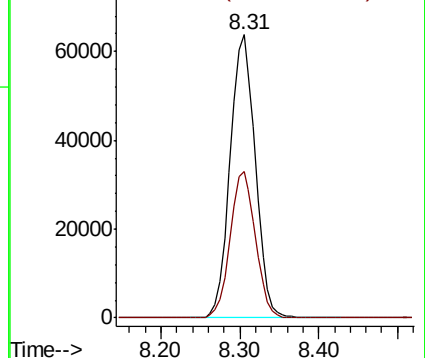
65 100

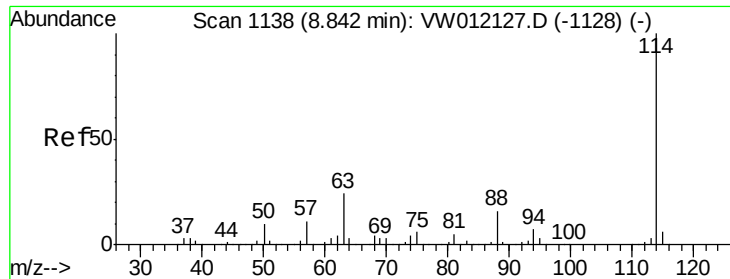
67 51.7 0.0 102.6



Abundance Ion 64.90 (64.60 to 65.60): VW

Ion 66.90 (66.60 to 67.60): VW

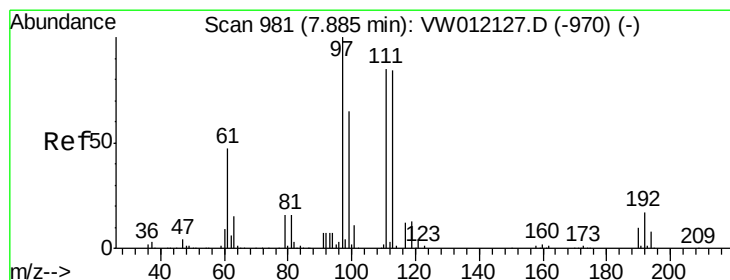
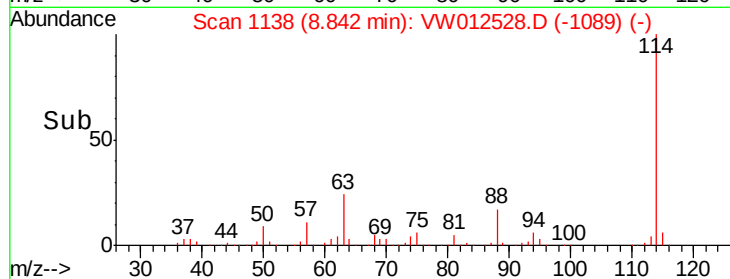
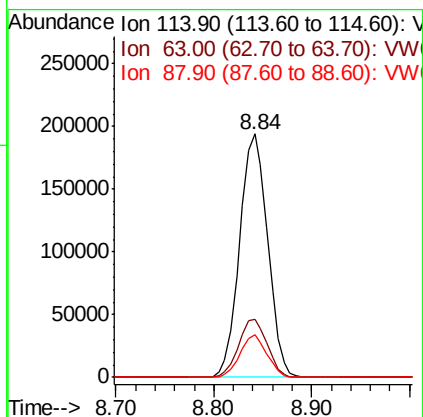
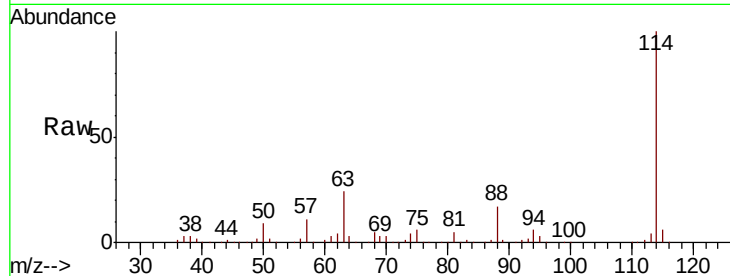




#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.84 min Scan# 1138
 Delta R.T. -0.00 min
 Lab File: VW012528.D
 Acq: 03 Sep 2019 04:58

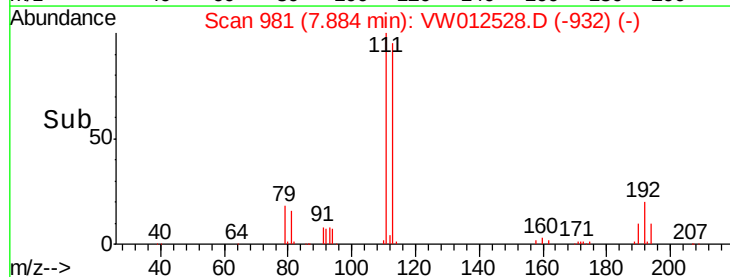
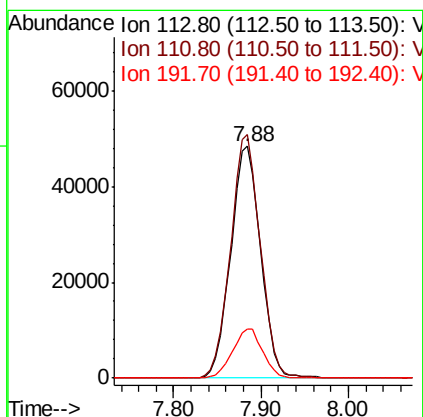
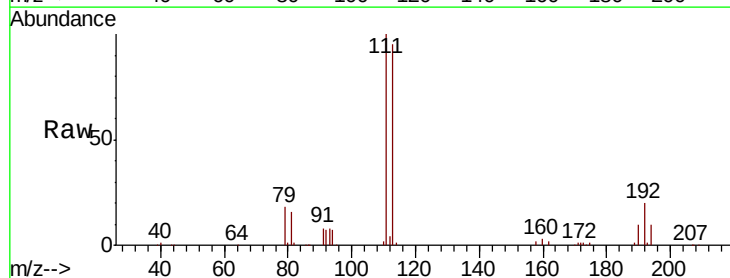
Instrument :
 MSVOA_W
 ClientSampleId :
 T16-17-C1-(2.25)

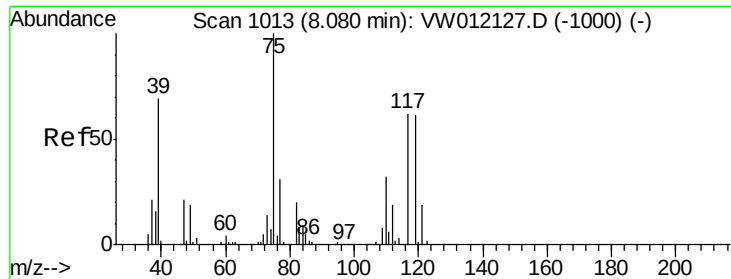
Tgt Ion	Ratio	Lower	Upper
114	100		
63	23.8	0.0	48.6
88	17.3	0.0	32.2



#35
 Dibromofluoromethane
 Concen: 49.864 ug/l
 RT: 7.88 min Scan# 981
 Delta R.T. -0.00 min
 Lab File: VW012528.D
 Acq: 03 Sep 2019 04:58

Tgt Ion	Ratio	Lower	Upper
113	100		
111	104.6	82.7	124.1
192	21.2	16.2	24.2





#36

1,1-Dichloropropene

Concen: 4.804 ug/l

RT: 7.95 min Scan# 991

Delta R.T. -0.13 min

Lab File: VW012528.D

Acq: 03 Sep 2019 04:58

Instrument :

MSVOA_W

ClientSampleId :

T16-17-C1-(2.25)

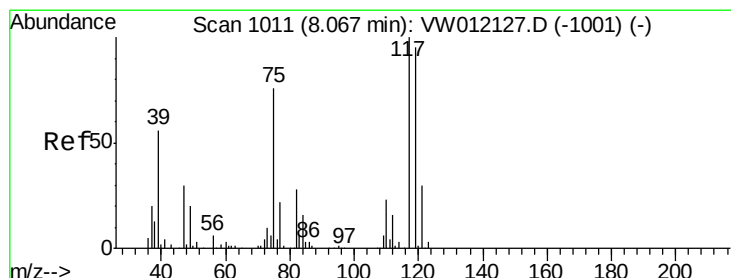
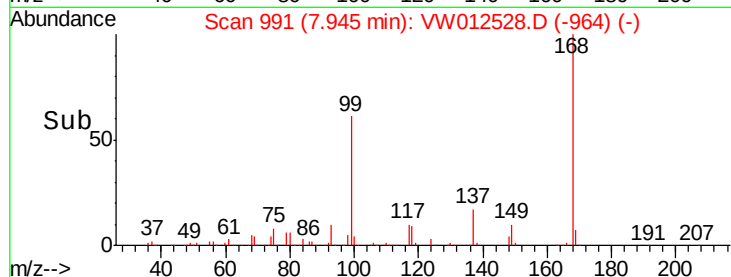
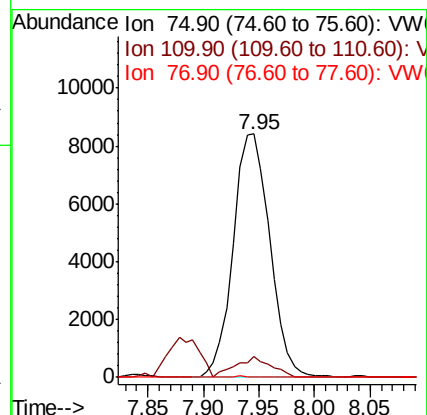
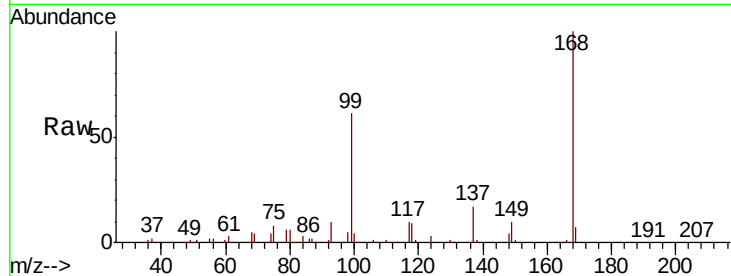
Tgt Ion: 75 Resp: 19193

Ion Ratio Lower Upper

75 100

110 8.3 15.6 46.8#

77 0.1 24.6 36.8#



#38

Carbon Tetrachloride

Concen: 6.982 ug/l

RT: 7.95 min Scan# 991

Delta R.T. -0.12 min

Lab File: VW012528.D

Acq: 03 Sep 2019 04:58

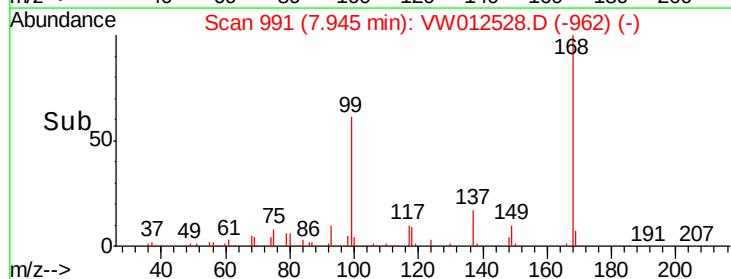
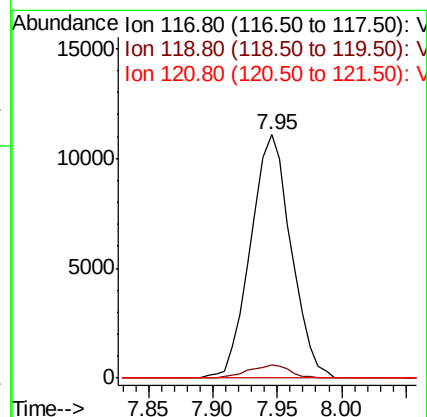
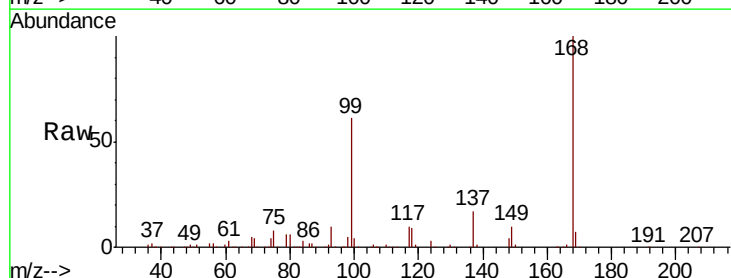
Tgt Ion: 117 Resp: 24142

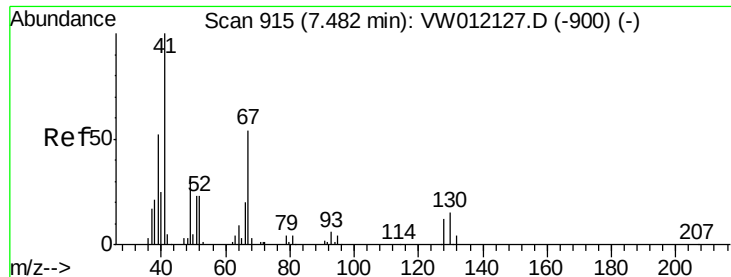
Ion Ratio Lower Upper

117 100

119 5.4 76.2 114.2#

121 0.0 23.8 35.8#

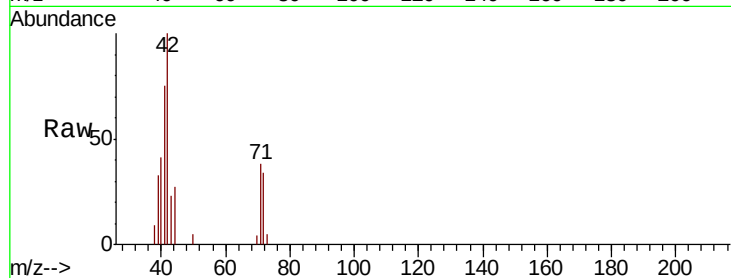




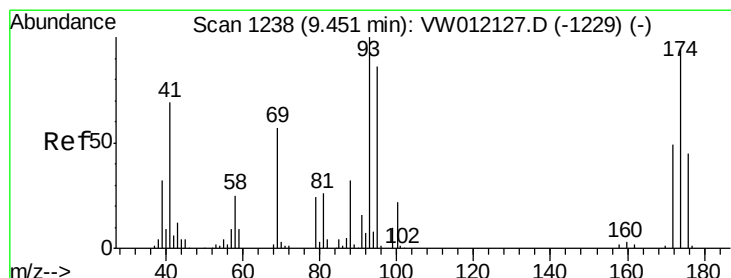
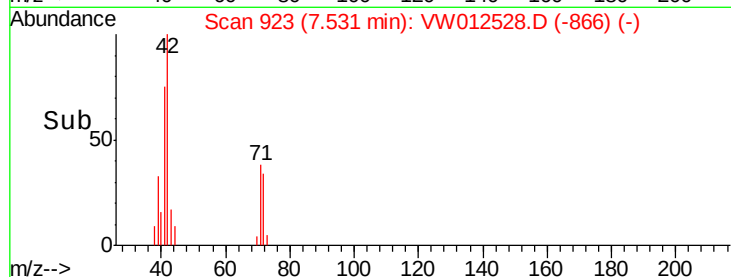
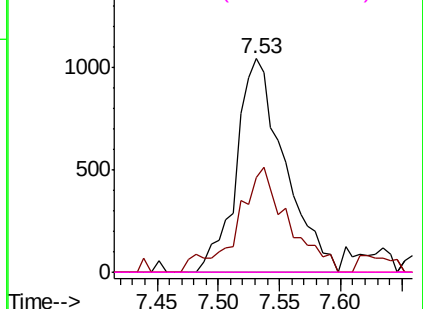
#41
Methacrylonitrile
Concen: 2.212 ug/l
RT: 7.53 min Scan# 923
Delta R.T. 0.05 min
Lab File: VW012528.D
Acq: 03 Sep 2019 04:58

Instrument :
MSVOA_W
ClientSampleId :
T16-17-C1-(2.25)

Tgt Ion:	41	Resp:	2846
Ion	Ratio	Lower	Upper
41	100		
39	49.4	45.8	68.8
67	0.0	46.2	69.4#
52	0.0	21.0	31.6#

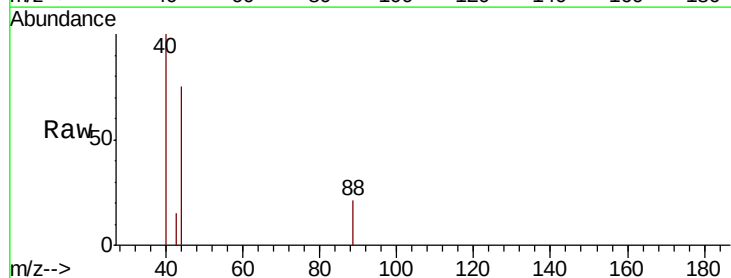


Abundance Ion 41.00 (40.70 to 41.70): VW
Ion 39.00 (38.70 to 39.70): VW
Ion 67.00 (66.70 to 67.70): VW
Ion 52.00 (51.70 to 52.70): VW

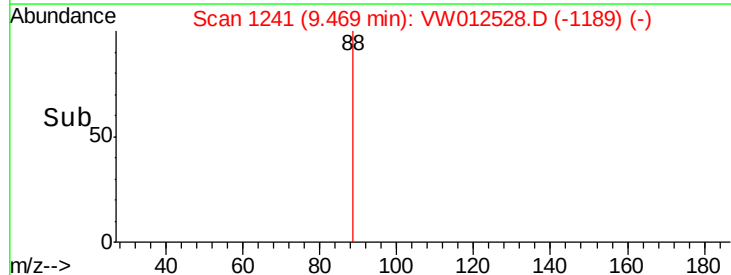
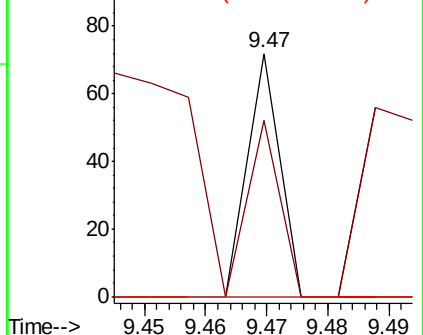


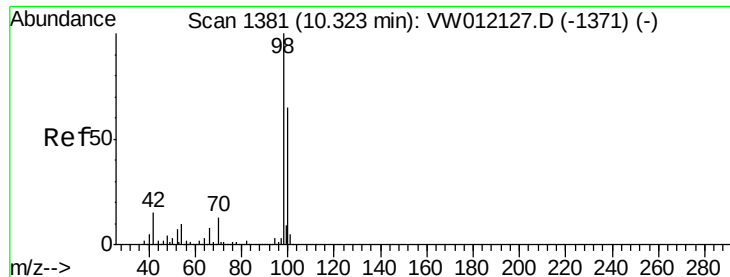
#49
1,4-Dioxane
Concen: 1.300 ug/l
RT: 9.47 min Scan# 1241
Delta R.T. 0.02 min
Lab File: VW012528.D
Acq: 03 Sep 2019 04:58

Tgt Ion:	88	Resp:	26
Ion	Ratio	Lower	Upper
88	100		
43	0.0	32.9	49.3#
58	0.0	71.0	106.4#



Abundance Ion 88.00 (87.70 to 88.70): VW
Ion 43.00 (42.70 to 43.70): VW
Ion 58.00 (57.70 to 58.70): VW





#50

Toluene-d8

Concen: 49.604 ug/l

RT: 10.32 min Scan# 1381

Delta R.T. -0.00 min

Lab File: VW012528.D

Acq: 03 Sep 2019 04:58

Instrument :

MSVOA_W

ClientSampleId :

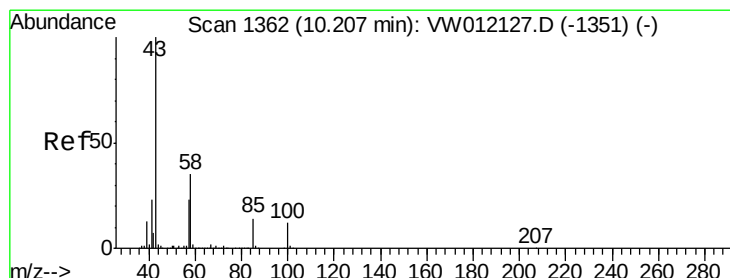
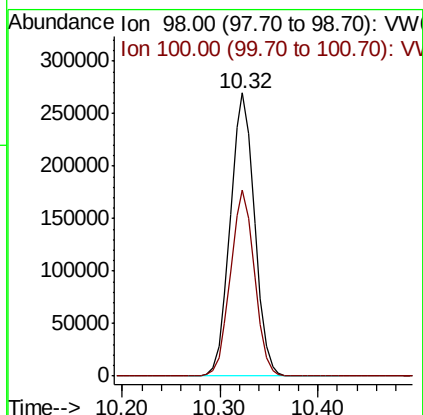
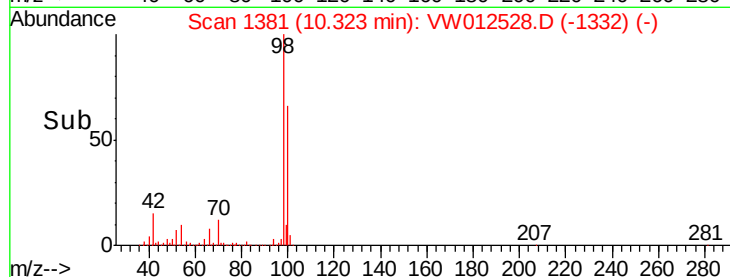
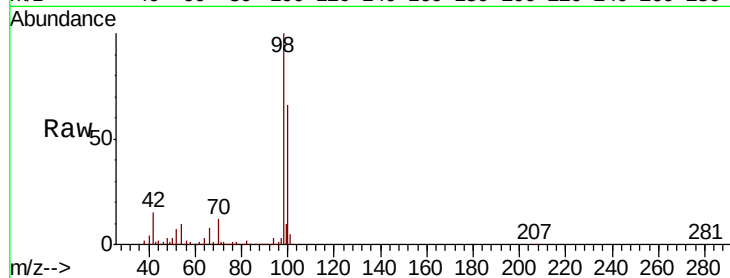
T16-17-C1-(2.25)

Tgt Ion: 98 Resp: 464114

Ion Ratio Lower Upper

98 100

100 65.1 52.4 78.6



#51

4-Methyl-2-Pentanone

Concen: 1.348 ug/l

RT: 10.32 min Scan# 1381

Delta R.T. 0.12 min

Lab File: VW012528.D

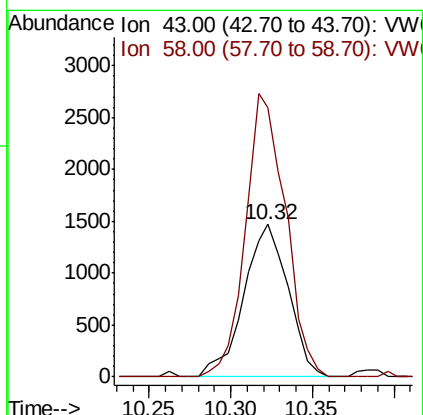
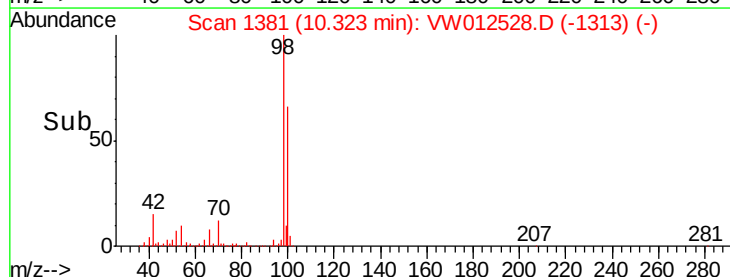
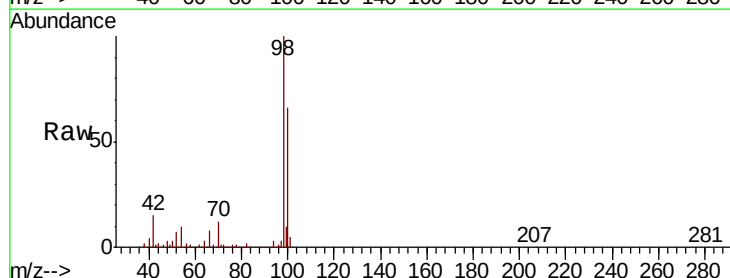
Acq: 03 Sep 2019 04:58

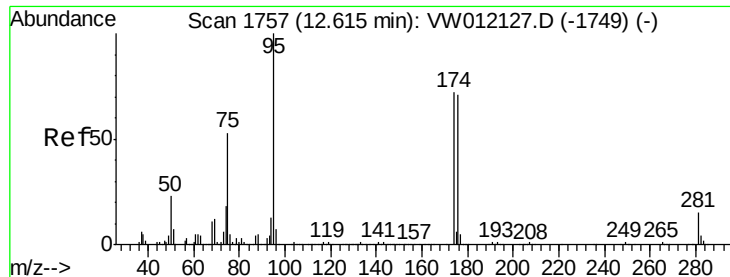
Tgt Ion: 43 Resp: 2780

Ion Ratio Lower Upper

43 100

58 167.5 28.2 42.2#





#62

4-Bromofluorobenzene

Concen: 43.260 ug/l

RT: 12.62 min Scan# 1757

Delta R.T. -0.00 min

Lab File: VW012528.D

Acq: 03 Sep 2019 04:58

Instrument :

MSVOA_W

ClientSampleId :

T16-17-C1-(2.25)

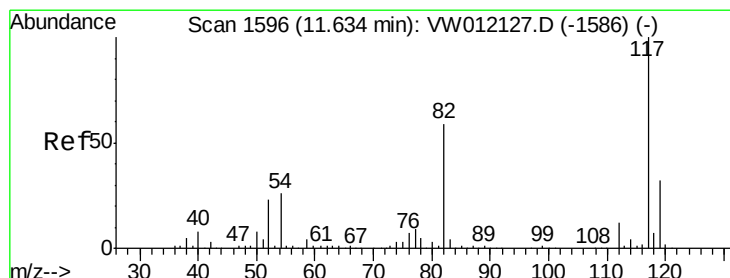
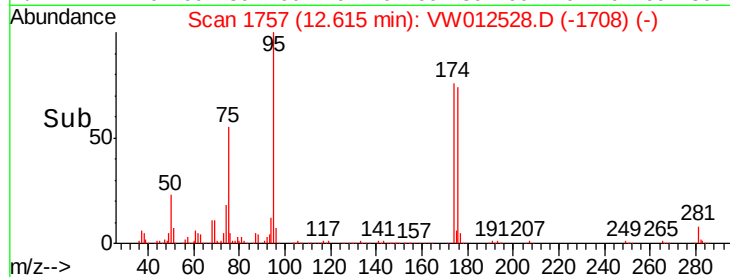
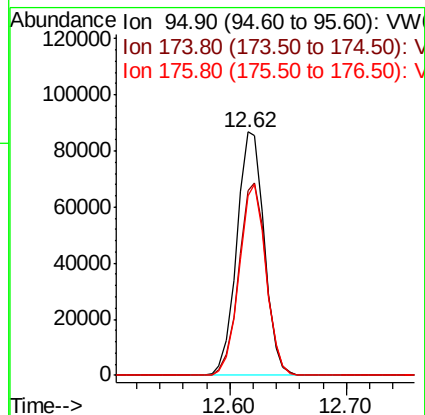
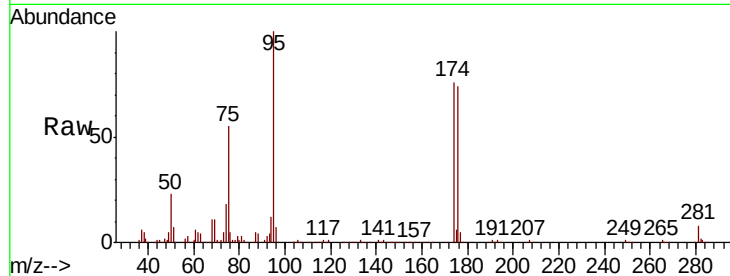
Tgt Ion: 95 Resp: 142676

Ion Ratio Lower Upper

95 100

174 78.5 0.0 150.8

176 76.3 0.0 148.6



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.63 min Scan# 1595

Delta R.T. -0.01 min

Lab File: VW012528.D

Acq: 03 Sep 2019 04:58

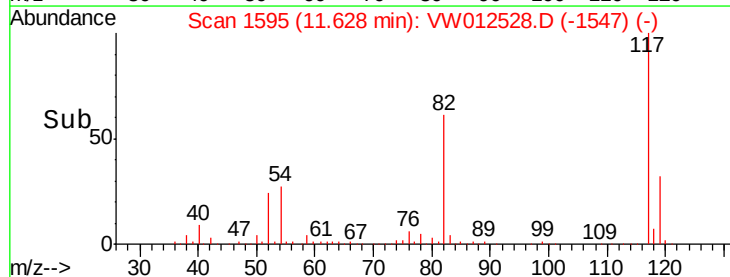
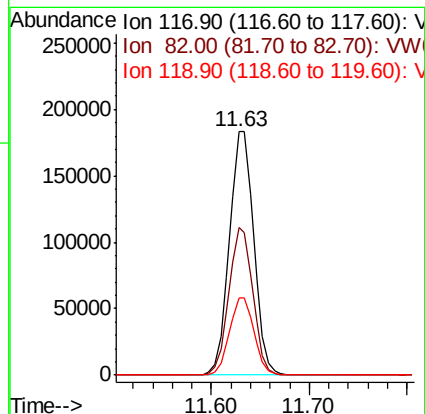
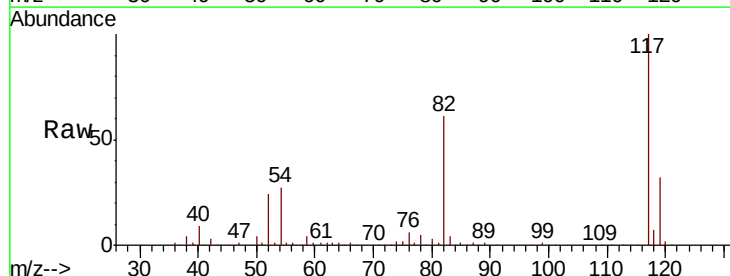
Tgt Ion: 117 Resp: 317058

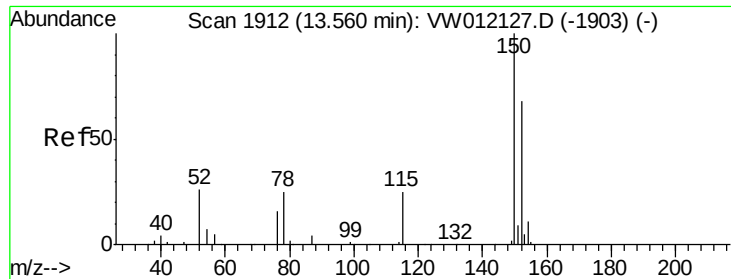
Ion Ratio Lower Upper

117 100

82 60.6 47.4 71.2

119 31.9 25.4 38.2



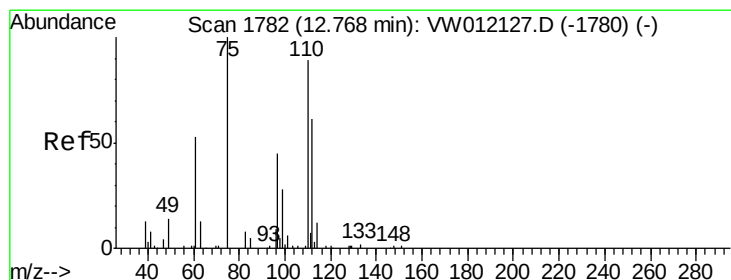
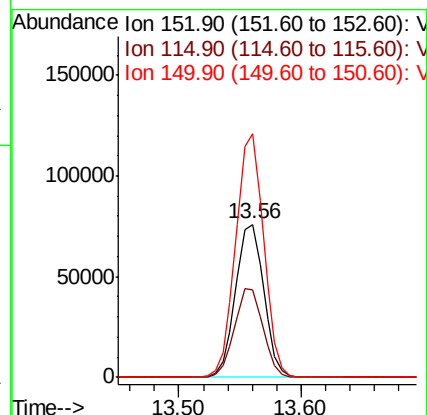
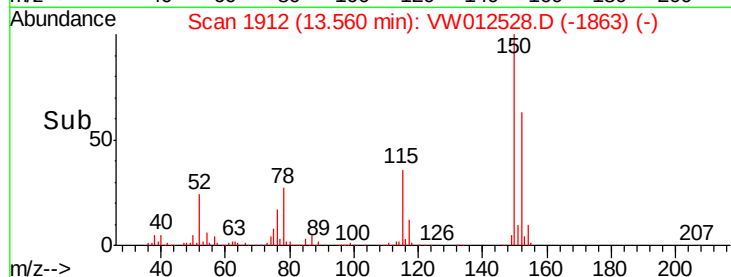
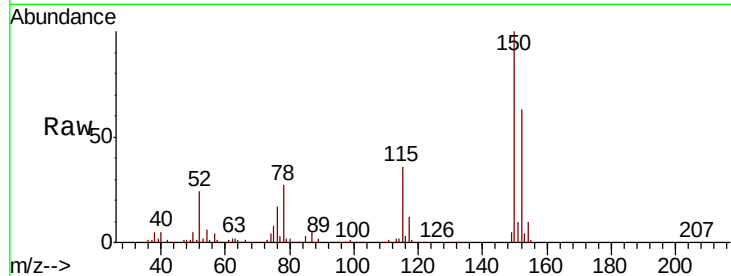


#72

1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.56 min Scan# 1912
Delta R.T. -0.00 min
Lab File: VW012528.D
Acq: 03 Sep 2019 04:58

Instrument :
MSVOA_W
ClientSampleId :
T16-17-C1-(2.25)

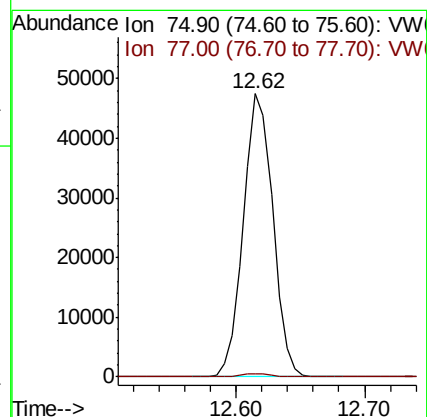
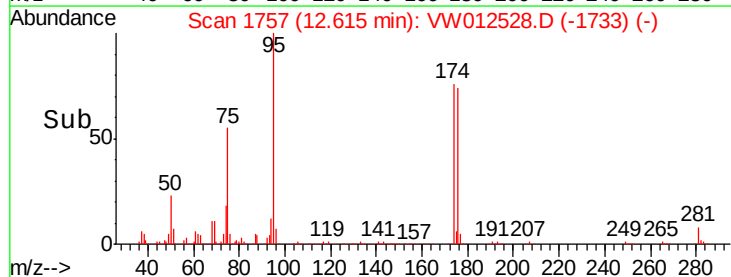
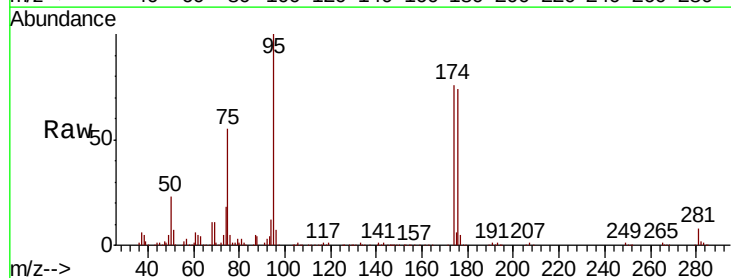
Tgt Ion:152 Resp: 121660
Ion Ratio Lower Upper
152 100
115 58.5 30.1 90.3
150 156.9 0.0 345.8

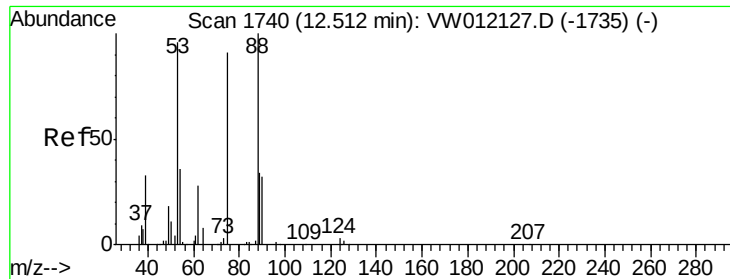


#76

1,2,3-Trichloropropane
Concen: 63.665 ug/l
RT: 12.62 min Scan# 1757
Delta R.T. -0.15 min
Lab File: VW012528.D
Acq: 03 Sep 2019 04:58

Tgt Ion: 75 Resp: 75435
Ion Ratio Lower Upper
75 100
77 1.3 0.0 0.0#

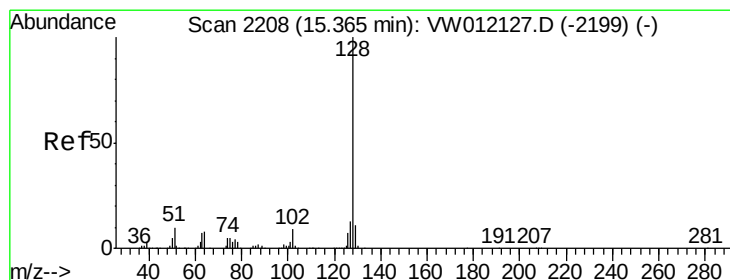
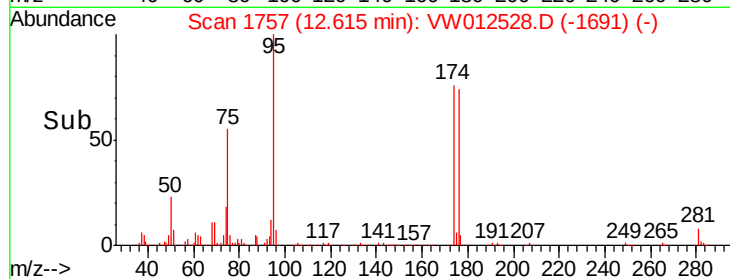
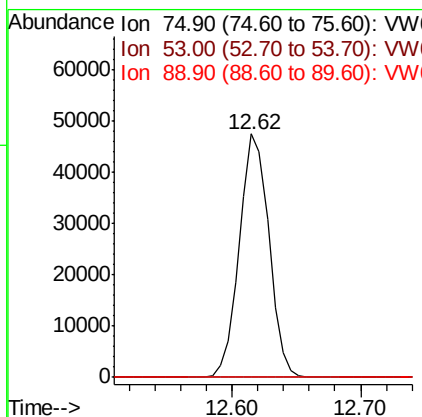
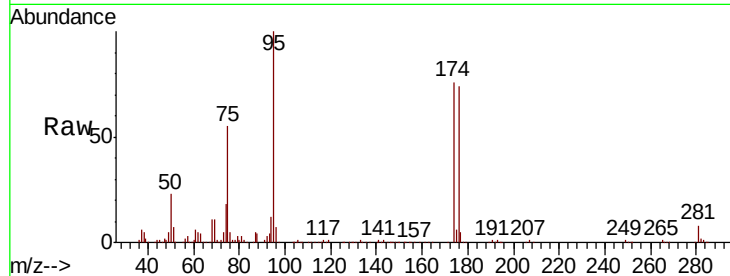




#81
 trans-1,4-Dichloro-2-butene
 Concen: 139.587 ug/l
 RT: 12.62 min Scan# 1757
 Delta R.T. 0.10 min
 Lab File: VW012528.D
 Acq: 03 Sep 2019 04:58

Instrument :
 MSVOA_W
 ClientSampleId :
 T16-17-C1-(2.25)

Tgt Ion	Ratio	Lower	Upper
75	100		
53	0.0	89.4	134.0#
89	0.1	34.5	51.7#



#95
 Naphthalene
 Concen: 4.337 ug/l
 RT: 15.37 min Scan# 2209
 Delta R.T. 0.01 min
 Lab File: VW012528.D
 Acq: 03 Sep 2019 04:58

Tgt Ion	Ratio	Lower	Upper
128	100		
127	0.0	10.7	16.1#
129	0.0	8.7	13.1#

