

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW072318\
 Data File : VW004146.D
 Acq On : 23 Jul 2018 19:05
 Operator : SY/AP
 Sample : J4026-04
 Misc : 5.00G/5ML/MSVOA W/SOIL
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :

Quant Time: Jul 24 04:45:55 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W071618S.M
 Quant Title : SW846 8260
 QLast Update : Mon Jul 16 15:06:12 2018
 Response via : Initial Calibration

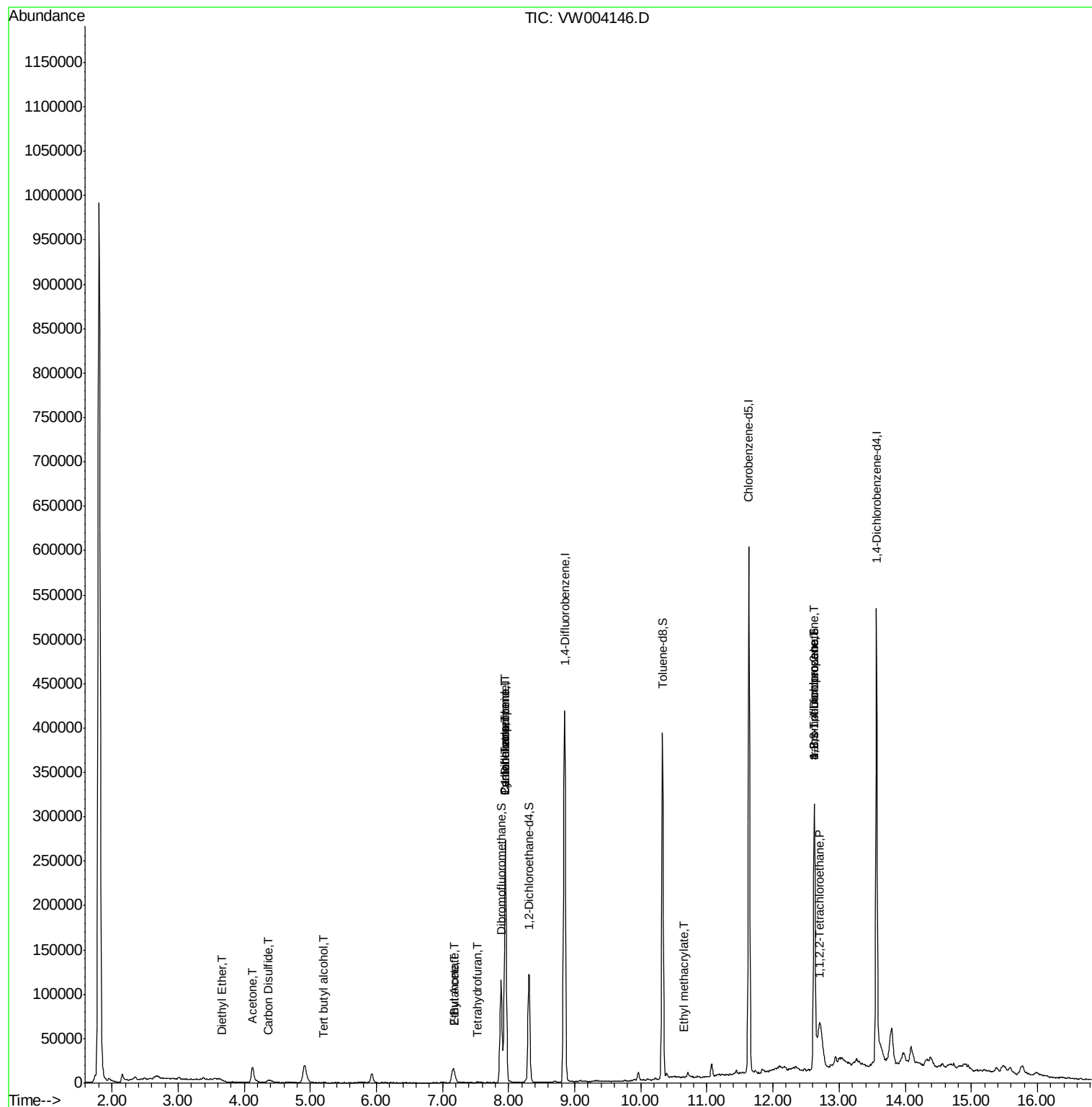
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	198491	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.85	114	345064	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	315950	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.57	152	129763	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.31	65	99033	44.63	ug/l	0.00
Spiked Amount 50.000			Recovery	=	89.26%	
35) Dibromofluoromethane	7.88	113	79346	35.84	ug/l	0.00
Spiked Amount 50.000			Recovery	=	71.68%	
50) Toluene-d8	10.33	98	256673	29.88	ug/l	0.00
Spiked Amount 50.000			Recovery	=	59.76%	
62) 4-Bromofluorobenzene	12.62	95	93386	30.15	ug/l	0.00
Spiked Amount 50.000			Recovery	=	60.30%	
Target Compounds						
					Qvalue	
8) Diethyl Ether	3.67	74	1103	1.122	ug/l	98
11) Tert butyl alcohol	5.19	59	411	2.683	ug/l #	72
16) Acetone	4.13	43	31107	58.345	ug/l	92
17) Carbon Disulfide	4.37	76	7193	1.195	ug/l	98
20) Methylene Chloride	4.92	84	18195	Below Cal		93
25) 2-Butanone	7.18	43	12784	17.818	ug/l	99
29) Tetrahydrofuran	7.54	42	718	1.607	ug/l #	47
31) Cyclohexane	7.95	56	5286	1.436	ug/l #	1
36) 1,1-Dichloropropene	7.95	75	16660	4.693	ug/l #	50
37) Ethyl Acetate	7.18	43	12784	7.466	ug/l #	70
38) Carbon Tetrachloride	7.95	117	19816	5.974	ug/l #	16
56) Ethyl methacrylate	10.66	69	154	3.001	ug/l #	6
75) 1,1,2,2-Tetrachloroethane	12.70	83	15849	8.938	ug/l #	28
76) 1,2,3-Trichloropropane	12.62	75	46520	36.111	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.62	75	46520	79.877	ug/l #	11

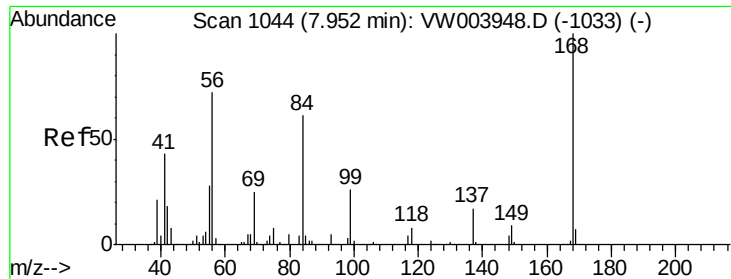
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.95 min Scan# 1044

Delta R.T. 0.00 min

Lab File: VW004146.D

Acq: 23 Jul 2018 19:05

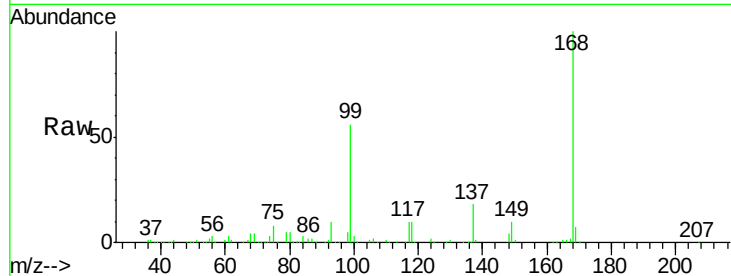
Instrument :
MSVOA_W
ClientSampleId :

Tot Ion:168 Resp: 198491

Ion Ratio Lower Upper

168 100

99 55.6 43.8 65.6



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW

7.95

100000

80000

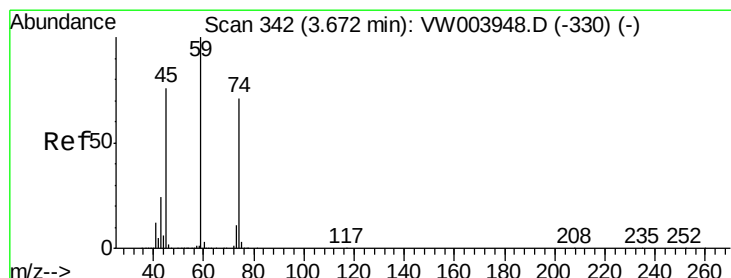
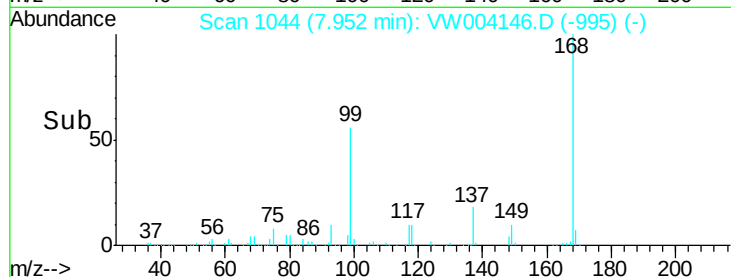
60000

40000

20000

0

Time--> 7.80 7.90 8.00 8.10



#8

Diethyl Ether

Concen: 1.122 ug/l

RT: 3.67 min Scan# 342

Delta R.T. 0.00 min

Lab File: VW004146.D

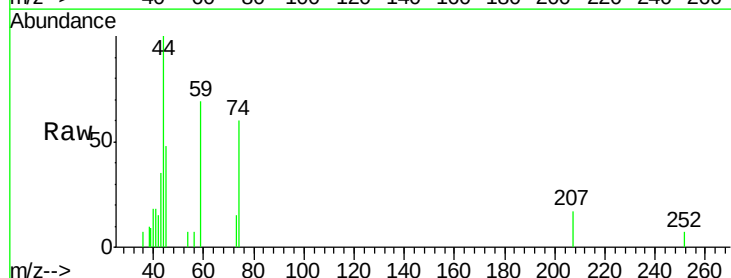
Acq: 23 Jul 2018 19:05

Tgt Ion: 74 Resp: 1103

Ion Ratio Lower Upper

74 100

45 109.2 53.8 161.4



Abundance Ion 74.00 (73.70 to 74.70): VW

Ion 45.00 (44.70 to 45.70): VW

3.67

500

400

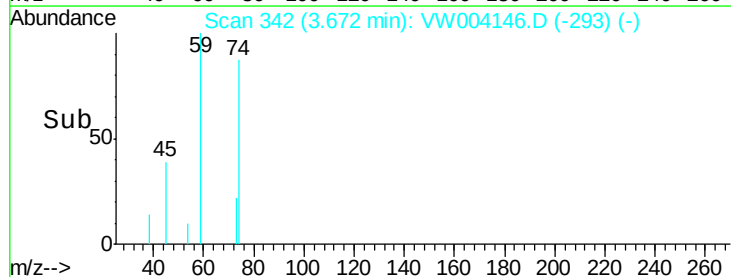
300

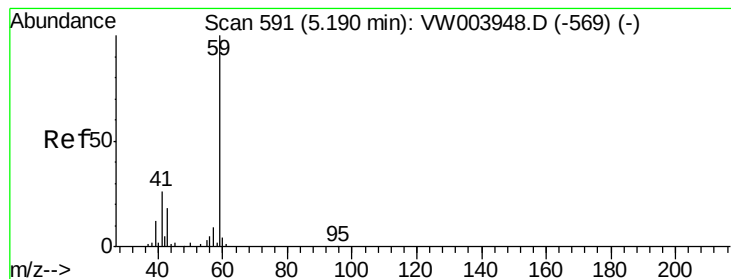
200

100

0

Time--> 3.60 3.65 3.70 3.75



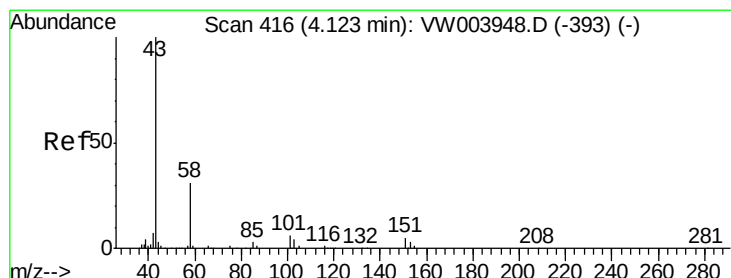
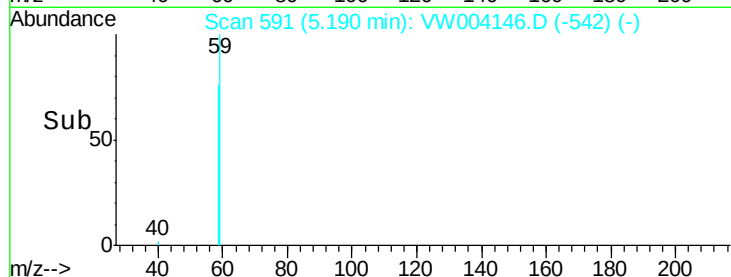
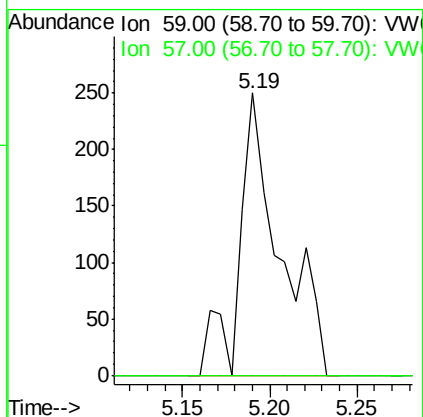
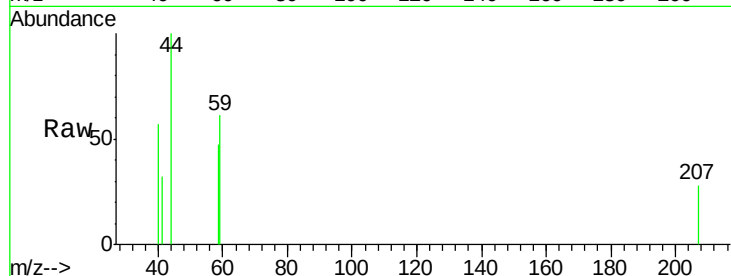


#11

Tert butyl alcohol
Concen: 2.683 ug/l
RT: 5.19 min Scan# 591
Delta R.T. 0.00 min
Lab File: VW004146.D
Acq: 23 Jul 2018 19:05

Instrument :
MSVOA_W
ClientSampled :

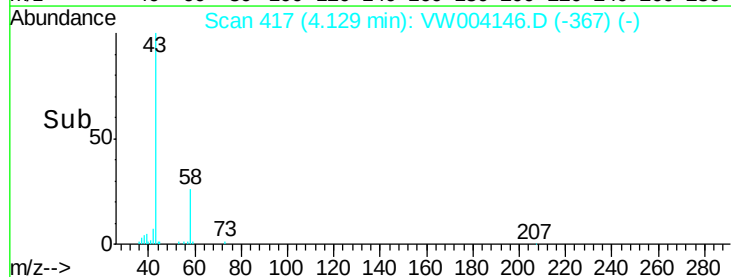
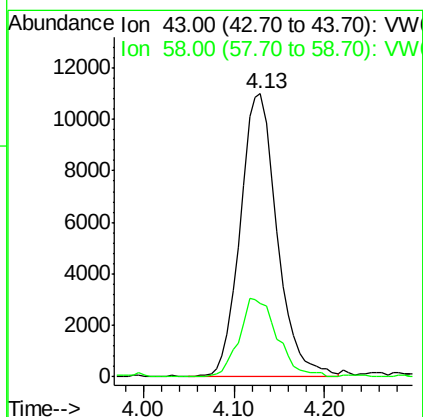
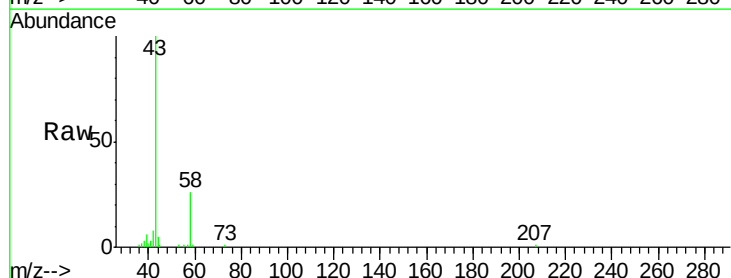
Tot Ion: 59 Resp: 411
Ion Ratio Lower Upper
59 100
57 0.0 8.5 12.7#

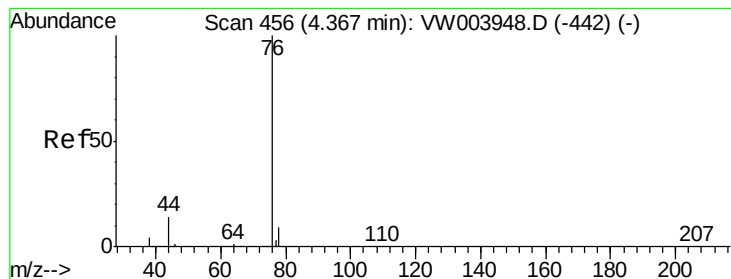


#16

Acetone
Concen: 58.345 ug/l
RT: 4.13 min Scan# 417
Delta R.T. 0.01 min
Lab File: VW004146.D
Acq: 23 Jul 2018 19:05

Tgt Ion: 43 Resp: 31107
Ion Ratio Lower Upper
43 100
58 26.1 24.5 36.7





#17

Carbon Disulfide

Concen: 1.195 ug/l

RT: 4.37 min Scan# 456

Delta R.T. 0.00 min

Lab File: VW004146.D

Acq: 23 Jul 2018 19:05

Instrument :

MSVOA_W

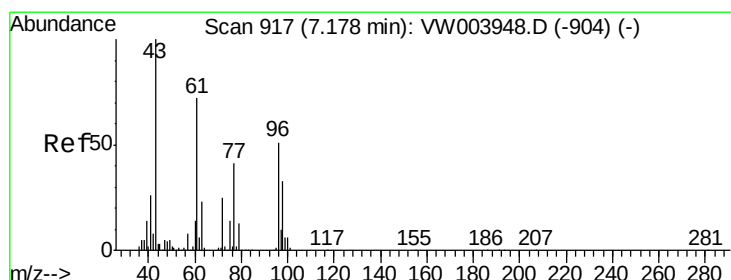
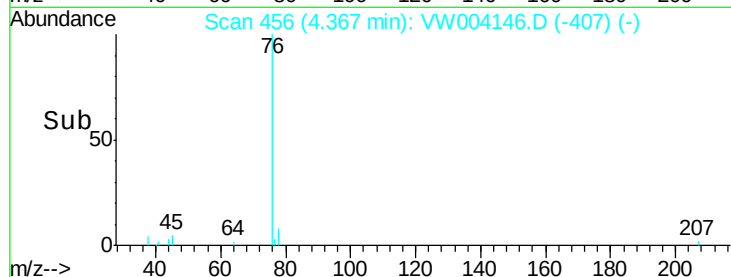
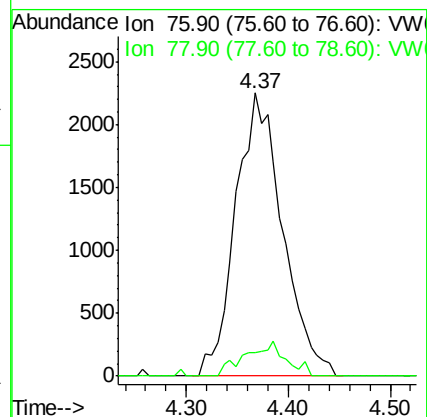
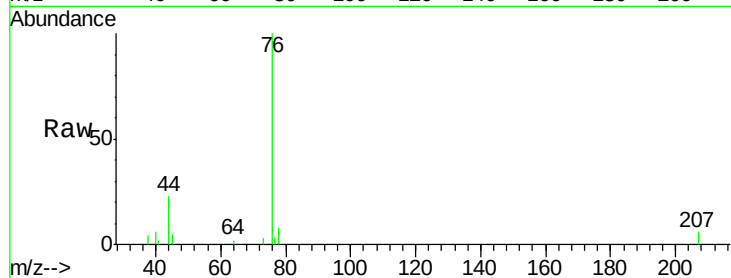
ClientSampleId :

Tot Ion: 76 Resp: 7193

Ion Ratio Lower Upper

76 100

78 8.1 7.1 10.7



#25

2-Butanone

Concen: 17.818 ug/l

RT: 7.18 min Scan# 918

Delta R.T. 0.01 min

Lab File: VW004146.D

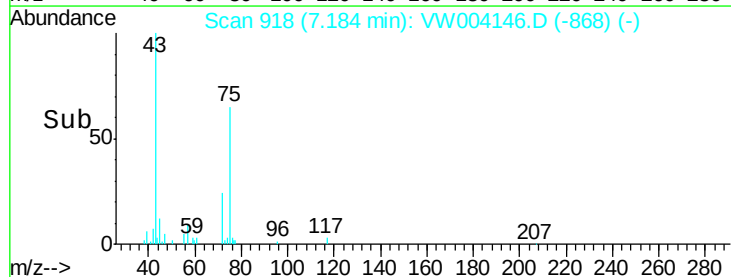
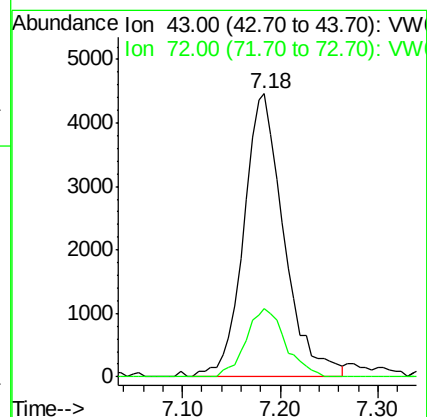
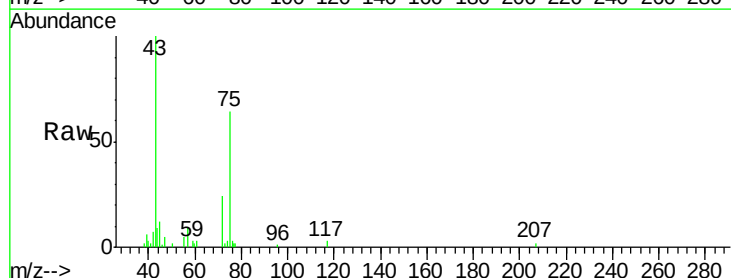
Acq: 23 Jul 2018 19:05

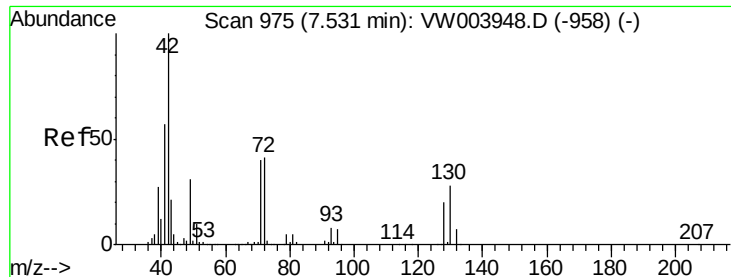
Tgt Ion: 43 Resp: 12784

Ion Ratio Lower Upper

43 100

72 24.0 19.8 29.6

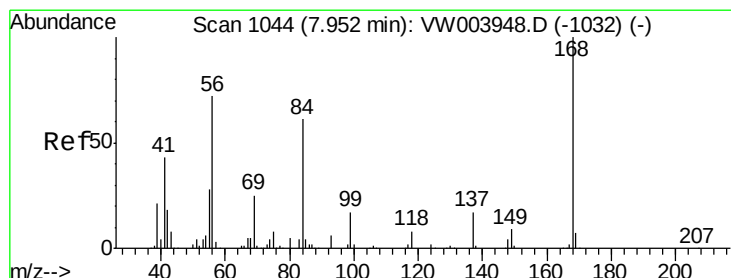
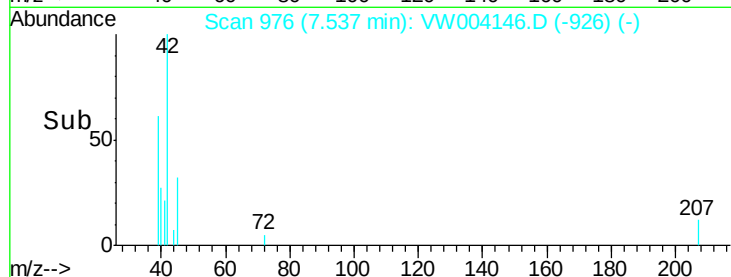
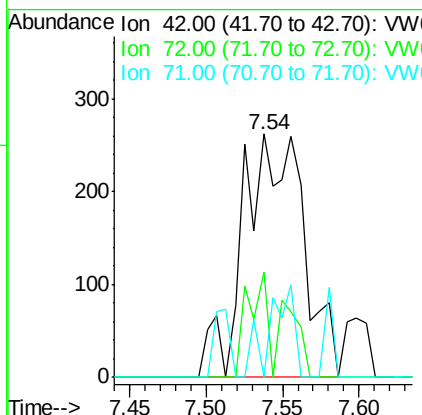
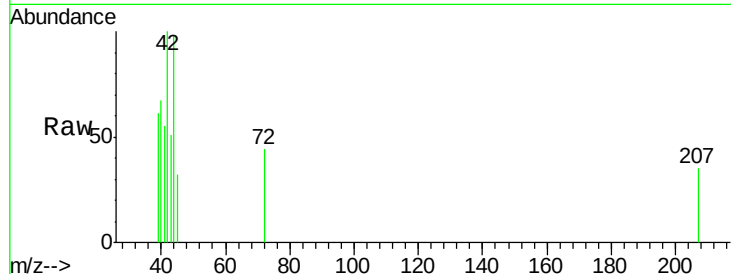




#29
Tetrahydrofuran
Concen: 1.607 ug/l
RT: 7.54 min Scan# 976
Delta R.T. 0.01 min
Lab File: VW004146.D
Acq: 23 Jul 2018 19:05

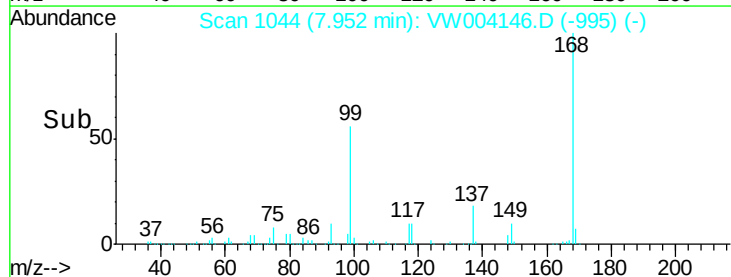
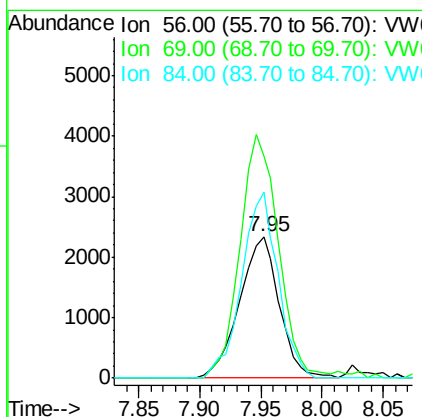
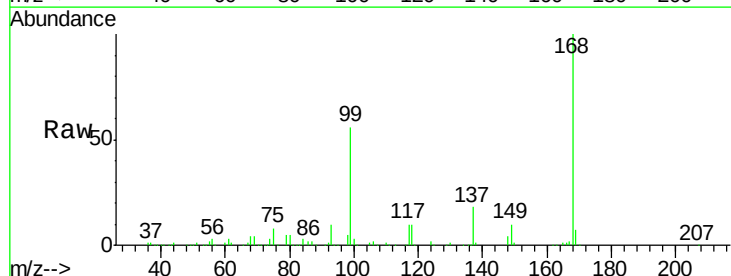
Instrument :
MSVOA_W
ClientSampleId :

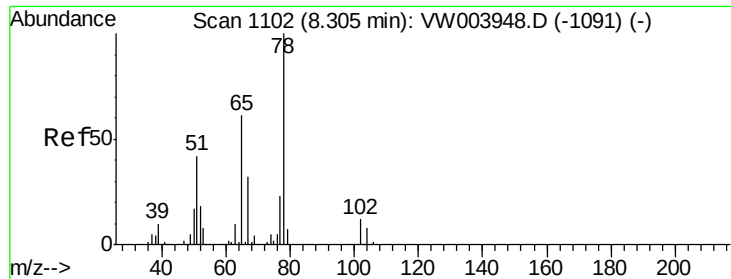
Tot Ion: 42 Resp: 718
Ion Ratio Lower Upper
42 100
72 13.9 32.6 48.8#
71 0.0 30.5 45.7#



#31
Cyclohexane
Concen: 1.436 ug/l
RT: 7.95 min Scan# 1044
Delta R.T. 0.00 min
Lab File: VW004146.D
Acq: 23 Jul 2018 19:05

Tgt Ion: 56 Resp: 5286
Ion Ratio Lower Upper
56 100
69 157.2 27.8 41.8#
84 131.7 67.2 100.8#

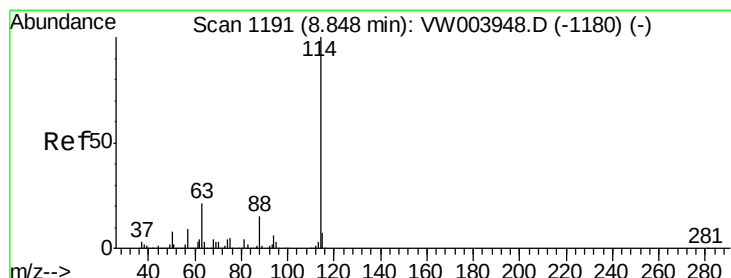
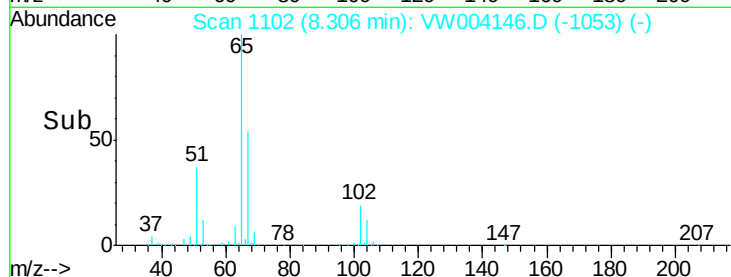
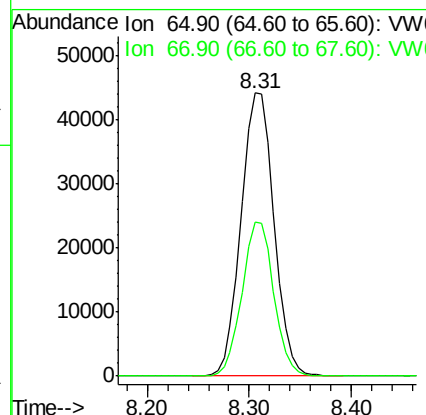
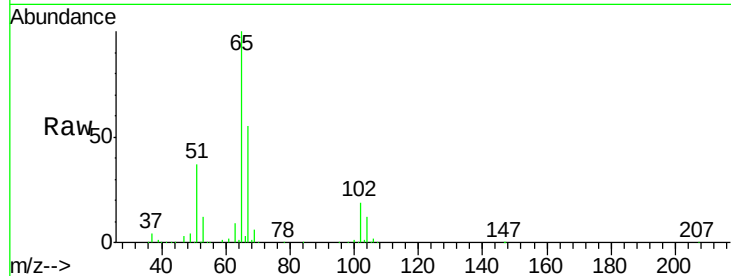




#33
 1,2-Dichloroethane-d4
 Concen: 44.635 ug/l
 RT: 8.31 min Scan# 1102
 Delta R.T. 0.00 min
 Lab File: VW004146.D
 Acq: 23 Jul 2018 19:05

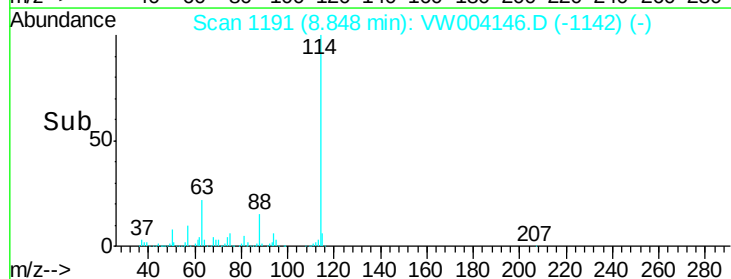
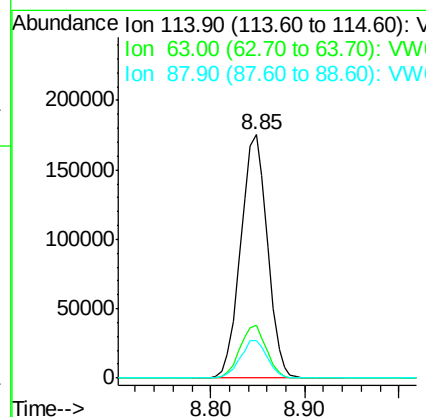
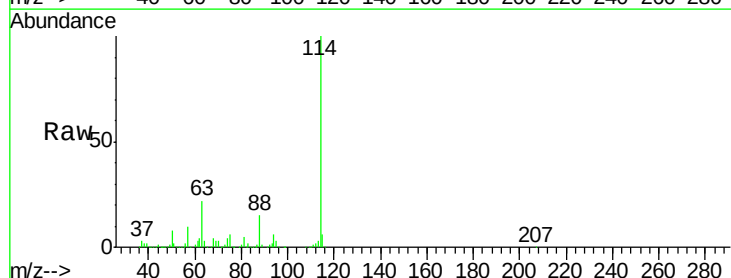
Instrument :
 MSVOA_W
 ClientSampleId :

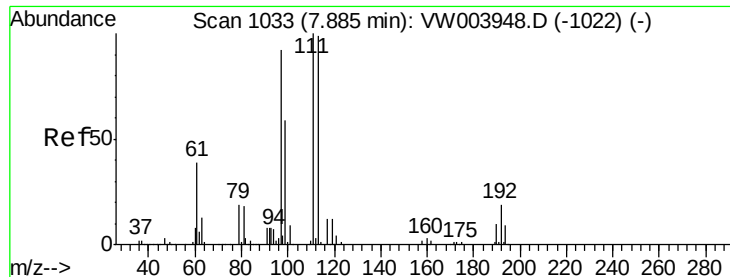
Tot Ion: 65 Resp: 99033
 Ion Ratio Lower Upper
 65 100
 67 52.5 0.0 105.0



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.85 min Scan# 1191
 Delta R.T. 0.00 min
 Lab File: VW004146.D
 Acq: 23 Jul 2018 19:05

Tgt Ion: 114 Resp: 345064
 Ion Ratio Lower Upper
 114 100
 63 21.7 0.0 42.8
 88 15.3 0.0 30.4





#35

Dibromofluoromethane

Concen: 35.838 ug/l

RT: 7.88 min Scan# 1033

Delta R.T. 0.00 min

Lab File: VW004146.D

Acq: 23 Jul 2018 19:05

Instrument :
MSVOA_W
ClientSampleId :

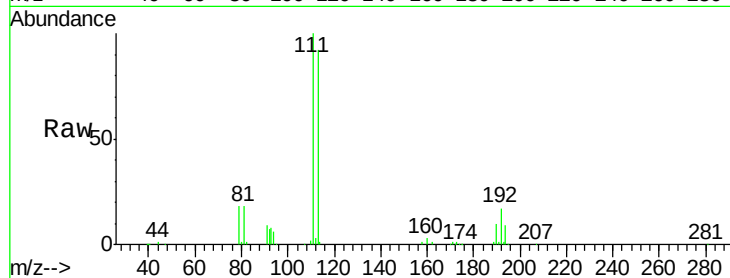
Tot Ion:113 Resp: 79346

Ion	Ratio	Lower	Upper
113	100		
111	105.8	81.3	121.9
192	20.1	15.8	23.6

113 100

111 105.8 81.3 121.9

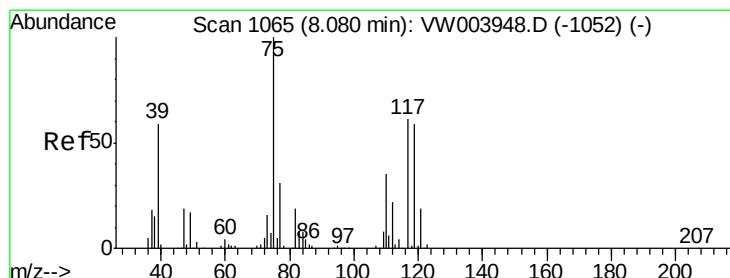
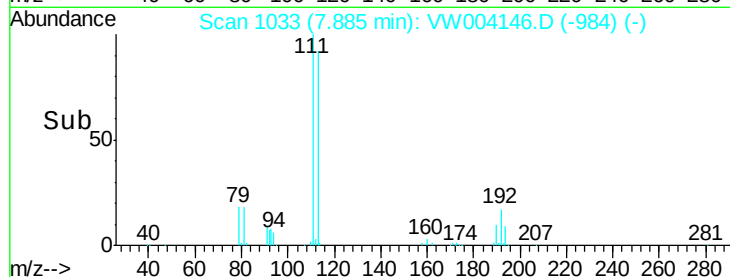
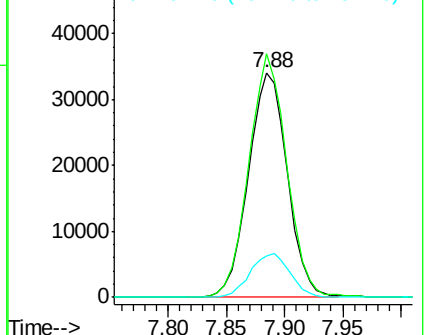
192 20.1 15.8 23.6



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: 4.693 ug/l

RT: 7.95 min Scan# 1044

Delta R.T. -0.13 min

Lab File: VW004146.D

Acq: 23 Jul 2018 19:05

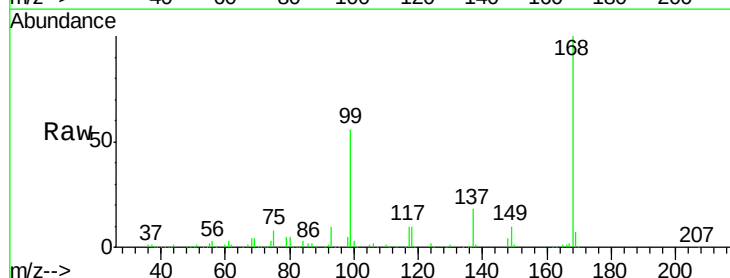
Tgt Ion: 75 Resp: 16660

Ion	Ratio	Lower	Upper
75	100		
110	8.5	17.0	51.0#
77	0.2	24.9	37.3#

75 100

110 8.5 17.0 51.0#

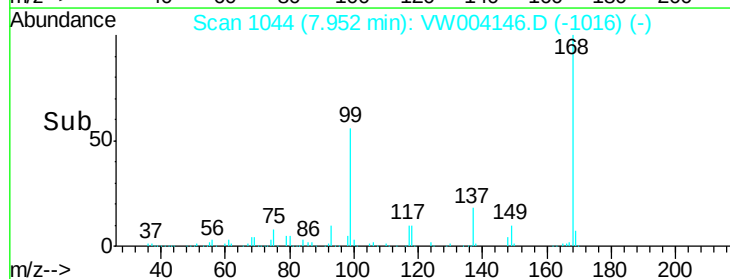
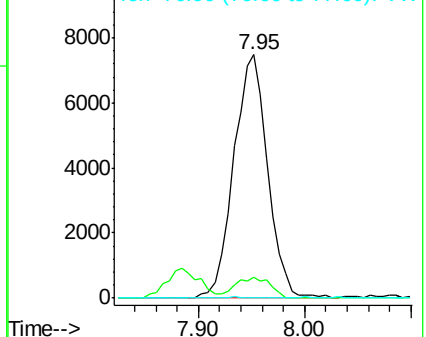
77 0.2 24.9 37.3#

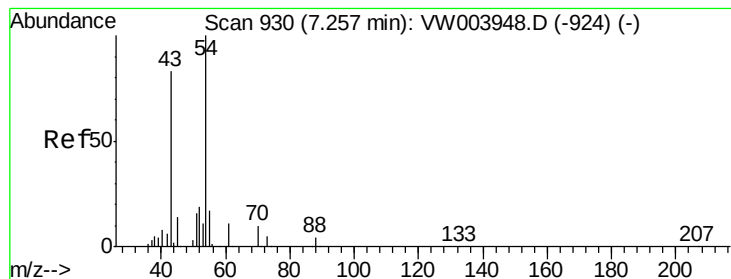


Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VW





#37

Ethyl Acetate

Concen: 7.466 ug/l

RT: 7.18 min Scan# 918

Delta R.T. -0.07 min

Lab File: VW004146.D

Acq: 23 Jul 2018 19:05

Instrument :
MSVOA_W
ClientSampleId :

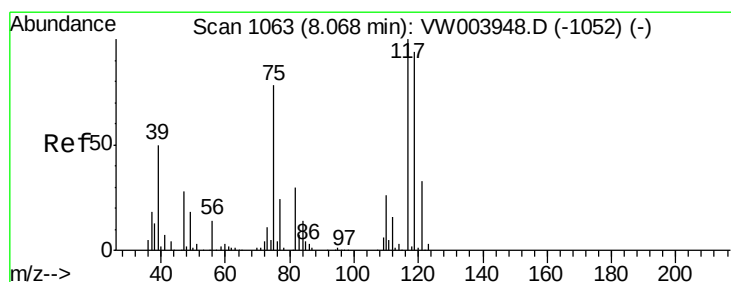
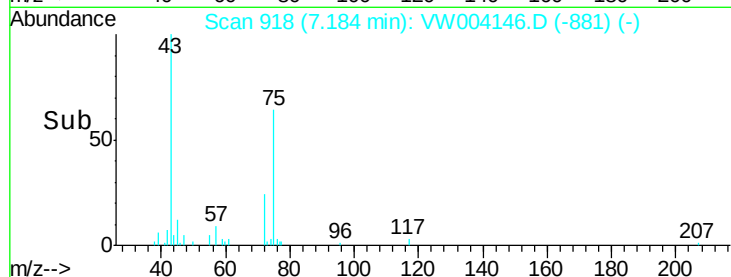
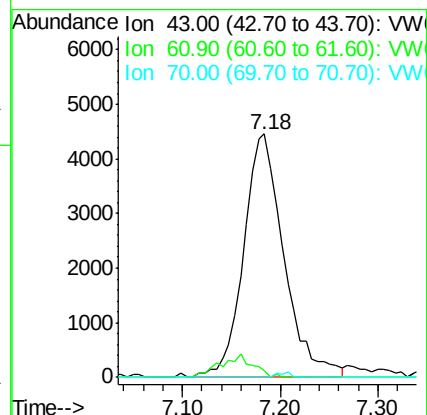
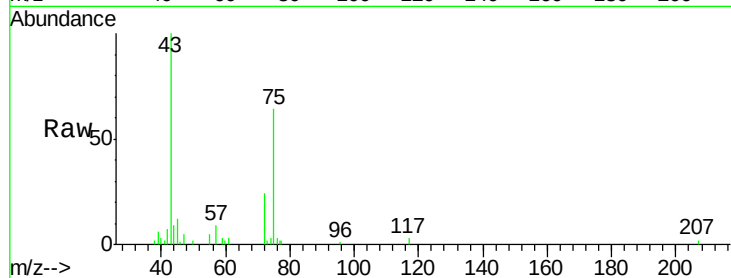
Tot Ion: 43 Resp: 12784

Ion Ratio Lower Upper

43 100

61 0.0 10.7 16.1#

70 0.0 7.7 11.5#



#38

Carbon Tetrachloride

Concen: 5.974 ug/l

RT: 7.95 min Scan# 1044

Delta R.T. -0.12 min

Lab File: VW004146.D

Acq: 23 Jul 2018 19:05

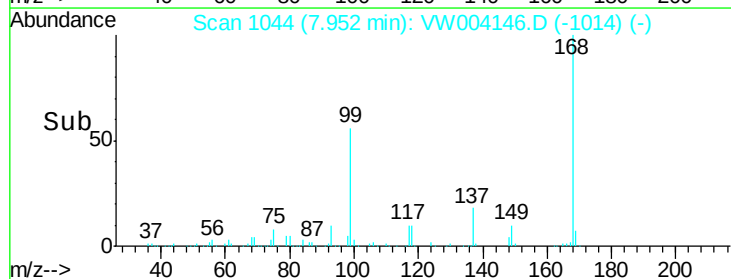
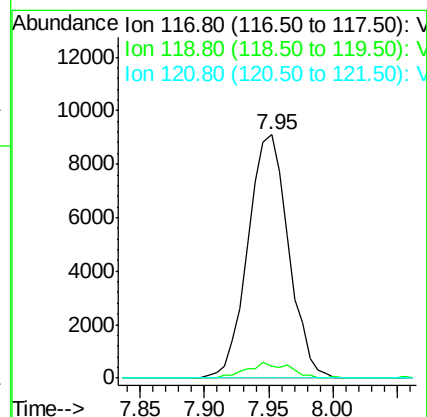
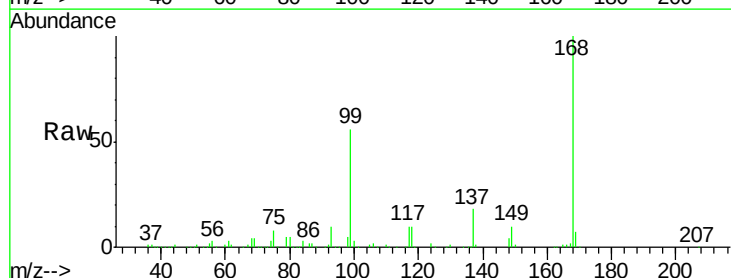
Tgt Ion: 117 Resp: 19816

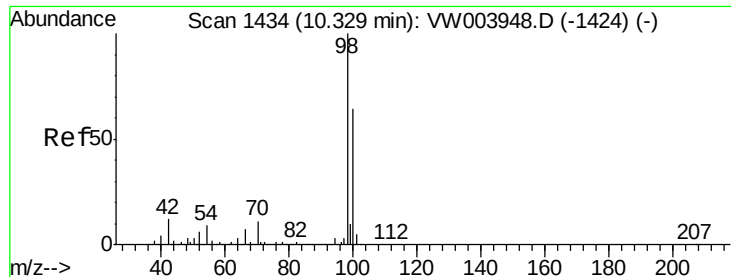
Ion Ratio Lower Upper

117 100

119 4.7 75.3 112.9#

121 0.0 26.0 39.0#

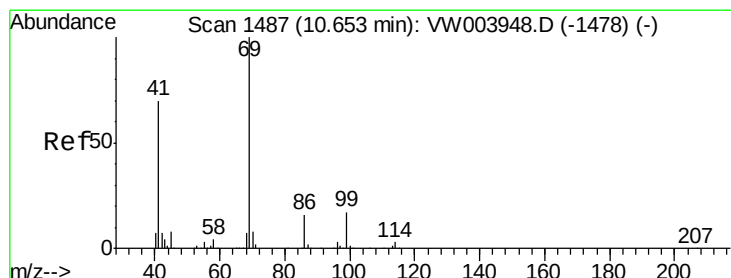
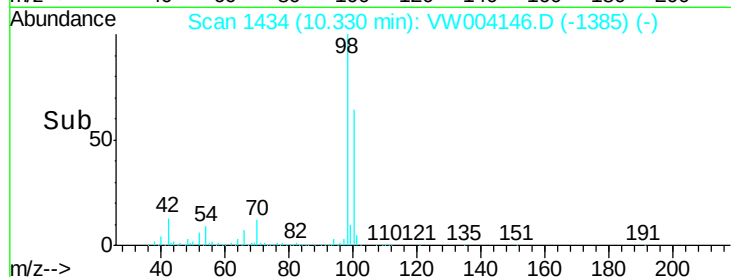
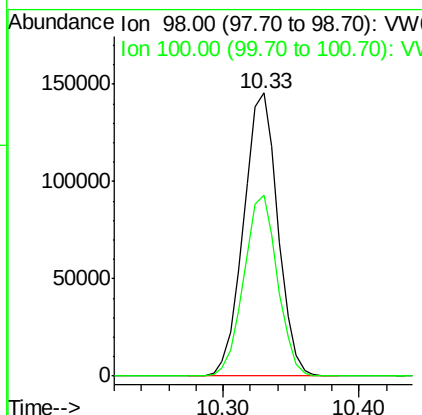
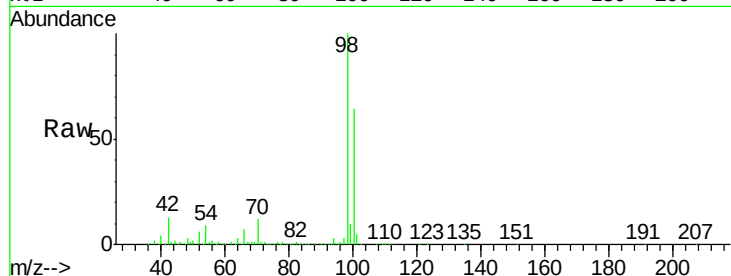




#50
Toluene-d8
Concen: 29.877 ug/l
RT: 10.33 min Scan# 1434
Delta R.T. 0.00 min
Lab File: VW004146.D
Acq: 23 Jul 2018 19:05

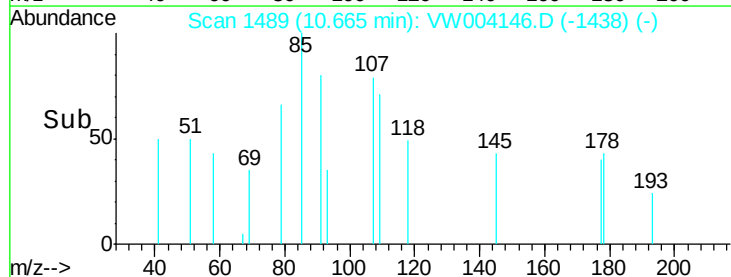
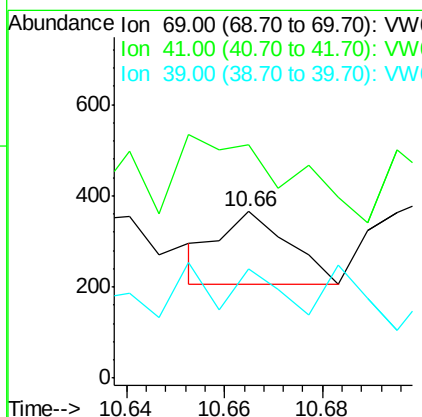
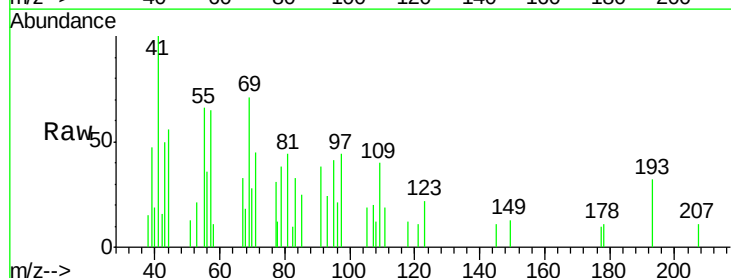
Instrument :
MSVOA_W
ClientSampleId :

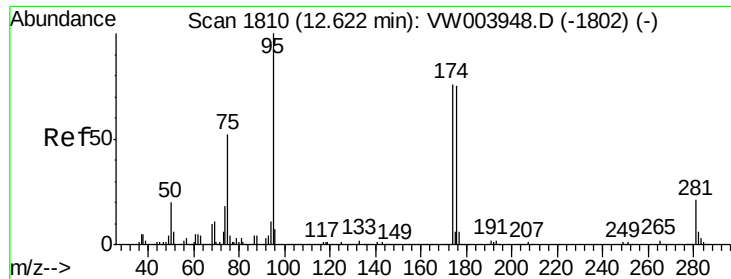
Tot Ion: 98 Resp: 256673
Ion Ratio Lower Upper
98 100
100 62.8 51.2 76.8



#56
Ethyl methacrylate
Concen: 3.001 ug/l
RT: 10.66 min Scan# 1489
Delta R.T. 0.01 min
Lab File: VW004146.D
Acq: 23 Jul 2018 19:05

Tgt Ion: 69 Resp: 154
Ion Ratio Lower Upper
69 100
41 185.7 56.5 84.7#
39 33.1 30.2 45.4





#62

4-Bromofluorobenzene

Concen: 30.145 ug/l

RT: 12.62 min Scan# 1810

Delta R.T. 0.00 min

Lab File: VW004146.D

Acq: 23 Jul 2018 19:05

Instrument :

MSVOA_W

ClientSampleId :

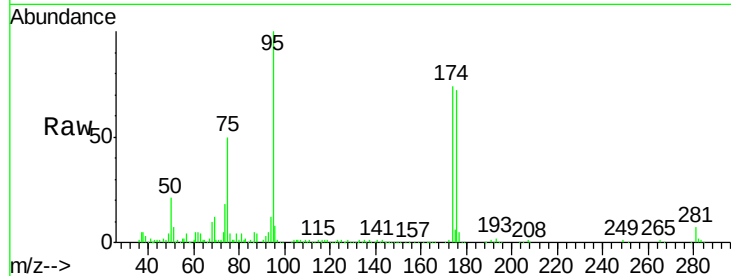
Tot Ion: 95 Resp: 93386

Ion Ratio Lower Upper

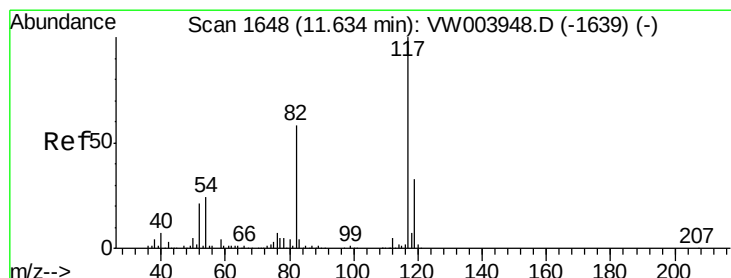
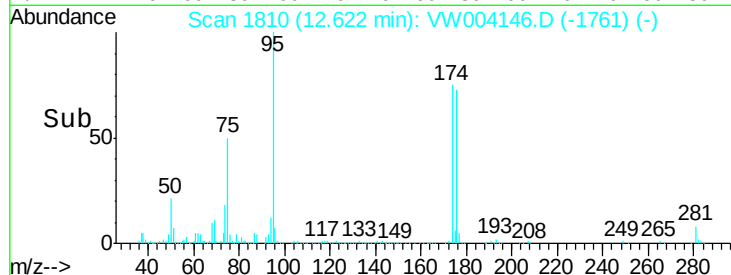
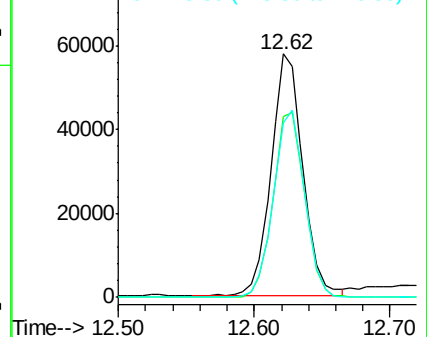
95 100

174 77.0 0.0 160.2

176 76.6 0.0 155.8



Abundance Ion 94.90 (94.60 to 95.60): VW
Ion 173.80 (173.50 to 174.50): VW
Ion 175.80 (175.50 to 176.50): VW



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.63 min Scan# 1648

Delta R.T. 0.00 min

Lab File: VW004146.D

Acq: 23 Jul 2018 19:05

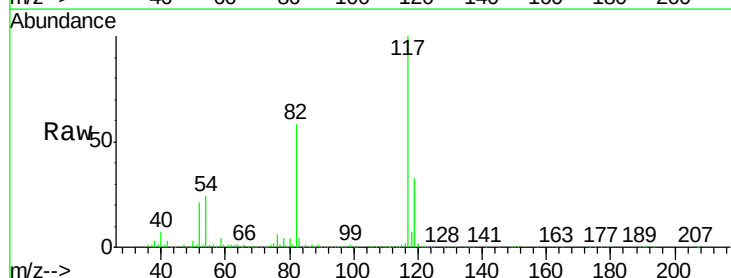
Tgt Ion: 117 Resp: 315950

Ion Ratio Lower Upper

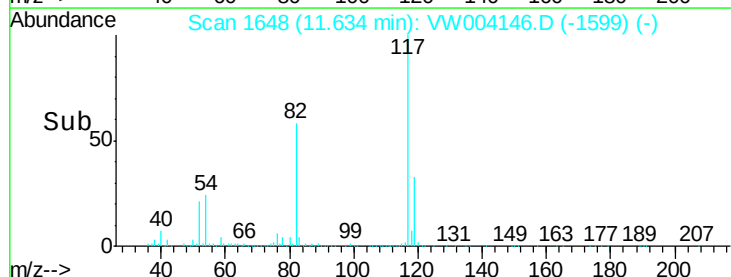
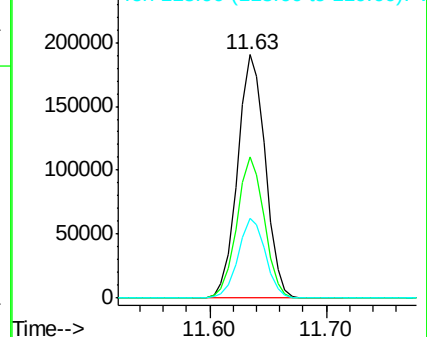
117 100

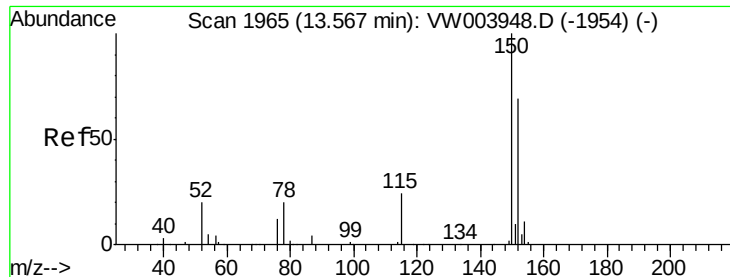
82 58.0 46.5 69.7

119 32.5 26.2 39.2



Abundance Ion 116.90 (116.60 to 117.60): VW
Ion 82.00 (81.70 to 82.70): VW
Ion 118.90 (118.60 to 119.60): VW





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.57 min Scan# 1965

Delta R.T. 0.00 min

Lab File: VW004146.D

Acq: 23 Jul 2018 19:05

Instrument :

MSVOA_W

ClientSampleId :

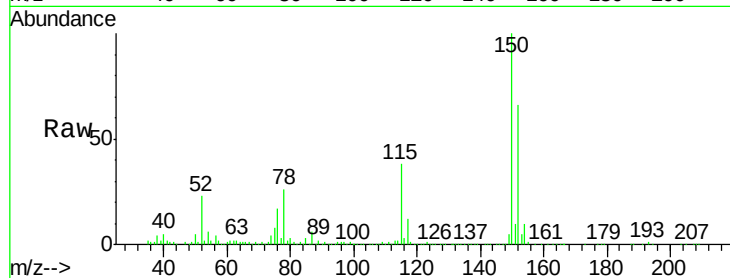
Tot Ion:152 Resp: 129763

Ion Ratio Lower Upper

152 100

115 58.6 29.2 87.6

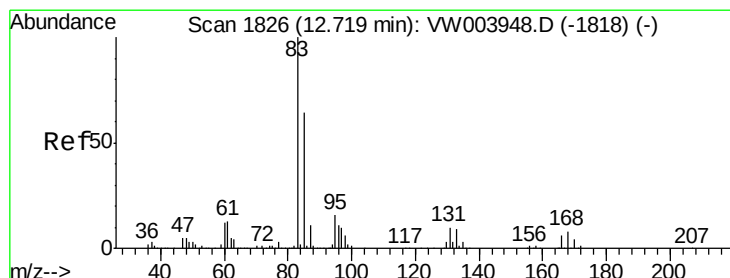
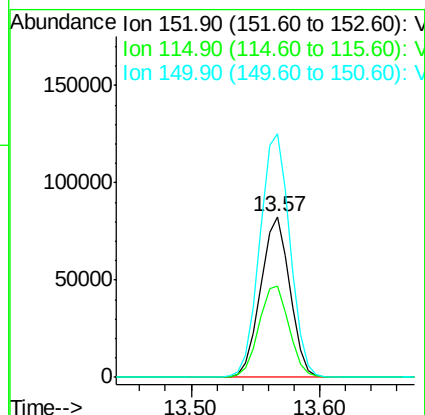
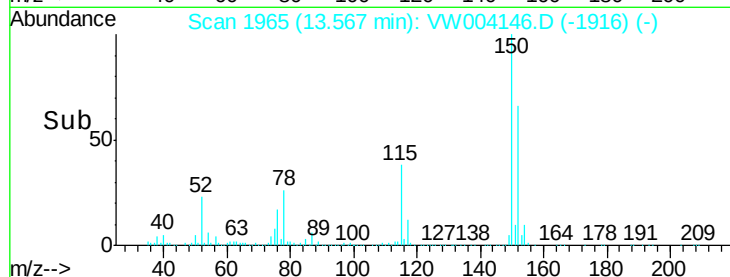
150 155.8 0.0 345.2



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



#75

1,1,2,2-Tetrachloroethane

Concen: 8.938 ug/l

RT: 12.70 min Scan# 1823

Delta R.T. -0.02 min

Lab File: VW004146.D

Acq: 23 Jul 2018 19:05

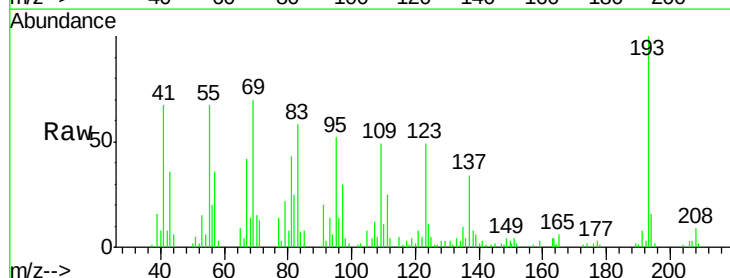
Tgt Ion: 83 Resp: 15849

Ion Ratio Lower Upper

83 100

131 0.7 5.3 15.8#

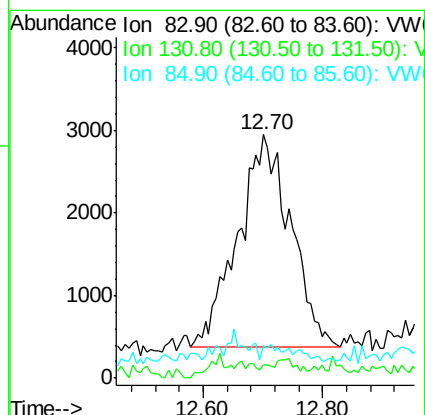
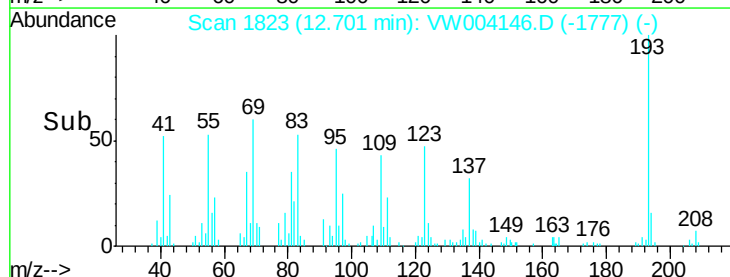
85 2.3 32.2 96.6#

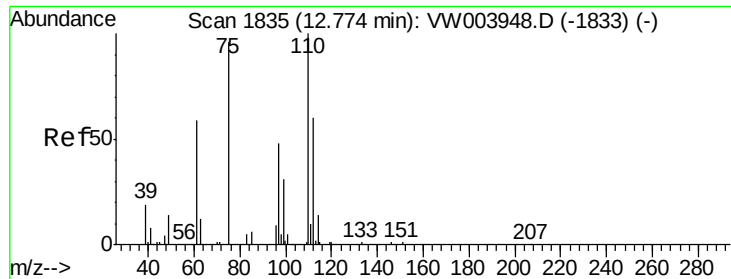


Abundance Ion 82.90 (82.60 to 83.60): VW

Ion 130.80 (130.50 to 131.50): V

Ion 84.90 (84.60 to 85.60): VW





#76

1,2,3-Trichloropropane

Concen: 36.111 ug/l

RT: 12.62 min Scan# 1810

Delta R.T. -0.15 min

Lab File: VW004146.D

Acq: 23 Jul 2018 19:05

Instrument :

MSVOA_W

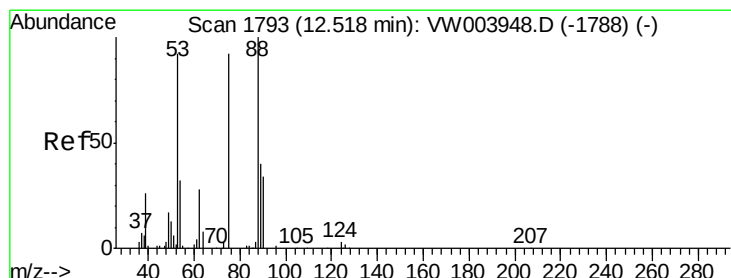
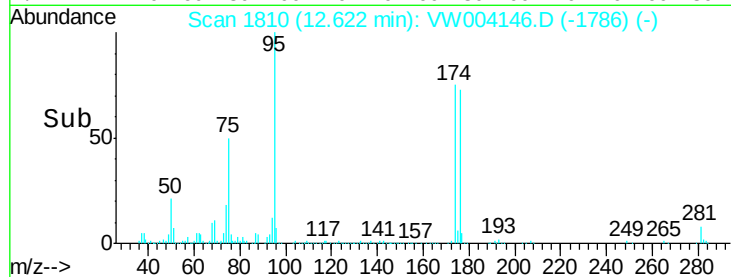
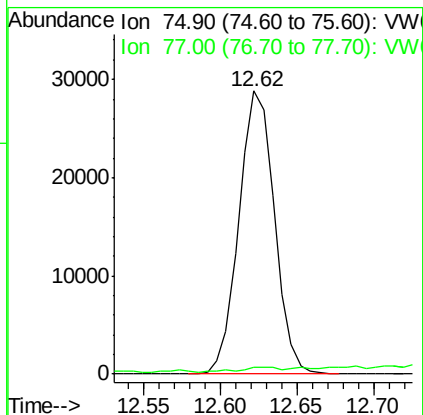
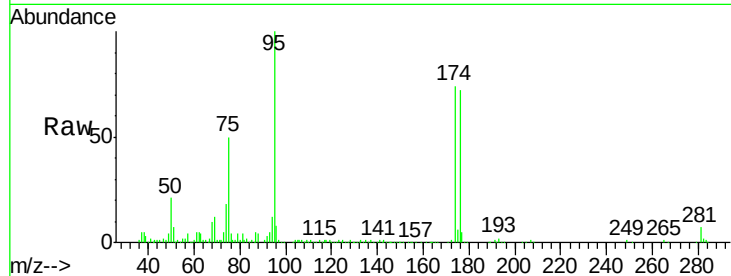
ClientSampleId :

Tot Ion: 75 Resp: 46520

Ion Ratio Lower Upper

75 100

77 1.9 0.0 0.0#



#81

trans-1,4-Dichloro-2-butene

Concen: 79.877 ug/l

RT: 12.62 min Scan# 1810

Delta R.T. 0.10 min

Lab File: VW004146.D

Acq: 23 Jul 2018 19:05

Tgt Ion: 75 Resp: 46520

Ion Ratio Lower Upper

75 100

53 0.0 77.6 116.4#

89 0.1 36.6 54.8#

