

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW022819\
 Data File : VW008893.D
 Acq On : 28 Feb 2019 17:49
 Operator : SY/VA
 Sample : K1650-16
 Misc : 5.16G/5ML/MSVOA W/SOIL
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 B-8(3.5-4.5)

Quant Time: Mar 01 06:01:51 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W022119S.M
 Quant Title : SW846 8260
 QLast Update : Fri Feb 22 00:38:32 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	342397	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	525815	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	442777	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	174789	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.31	65	187107	58.26	ug/l	0.00
Spiked Amount	50.000		Recovery	=	116.52%	
35) Dibromofluoromethane	7.88	113	159279	50.45	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.90%	
50) Toluene-d8	10.32	98	629326	51.64	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.28%	
62) 4-Bromofluorobenzene	12.62	95	186856	39.16	ug/l	0.00
Spiked Amount	50.000		Recovery	=	78.32%	

Target Compounds

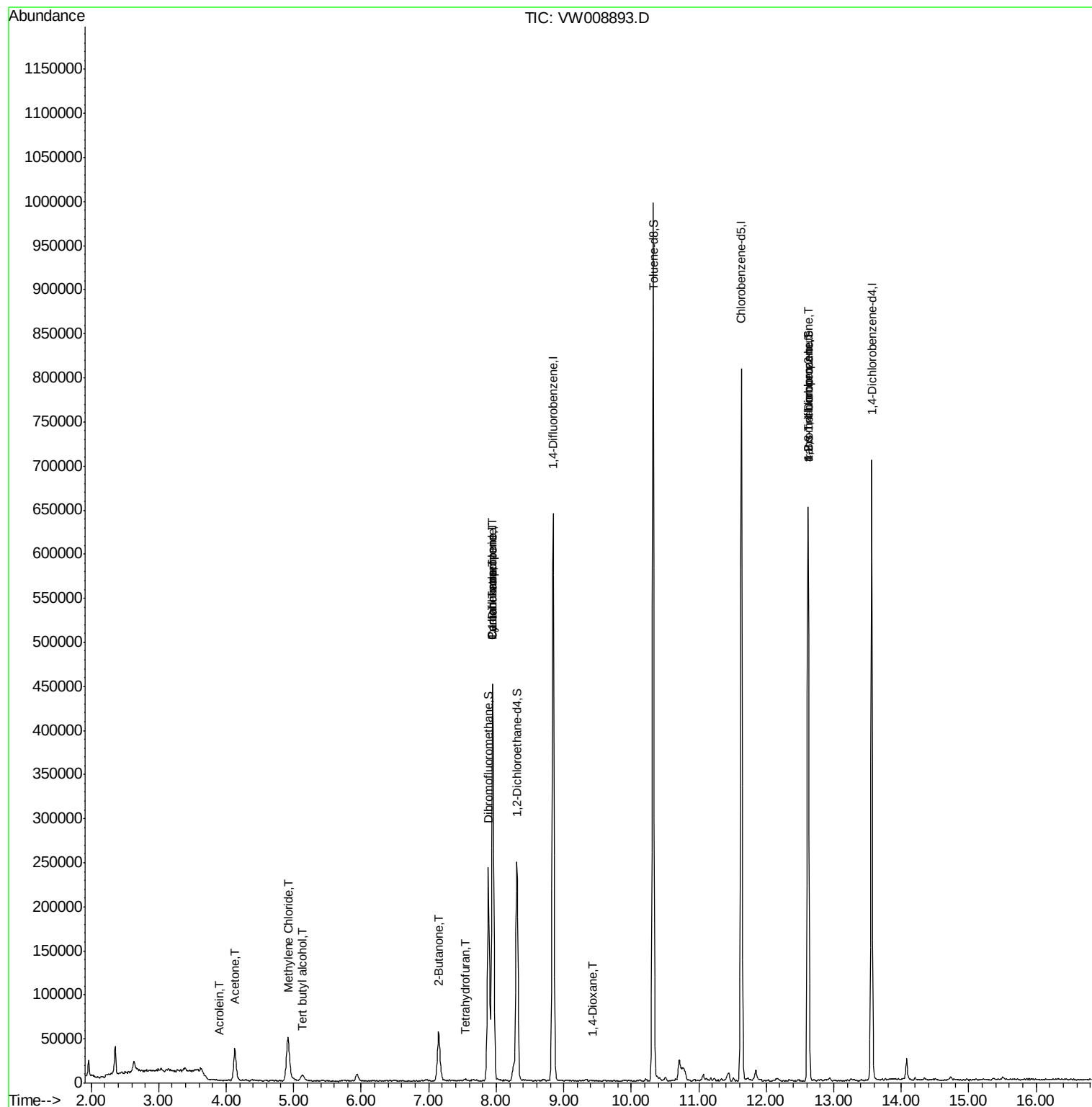
						Qvalue
11) Tert butyl alcohol	5.13	59	6609	23.117	ug/l #	82
13) Acrolein	3.89	56	79	20.021	ug/l #	60
16) Acetone	4.13	43	60520	81.304	ug/l	94
20) Methylene Chloride	4.92	84	37704	5.762	ug/l	97
25) 2-Butanone	7.14	43	1873	1.800	ug/l #	79
29) Tetrahydrofuran	7.54	42	1966	2.964	ug/l	93
31) Cyclohexane	7.95	56	8263	1.365	ug/l #	50
36) 1,1-Dichloropropene	7.95	75	26306	5.139	ug/l #	51
38) Carbon Tetrachloride	7.95	117	33049	6.123	ug/l #	16
49) 1,4-Dioxane	9.43	88	33	1.073	ug/l #	1
76) 1,2,3-Trichloropropane	12.62	75	101390	70.258	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.62	75	101390	170.802	ug/l #	6

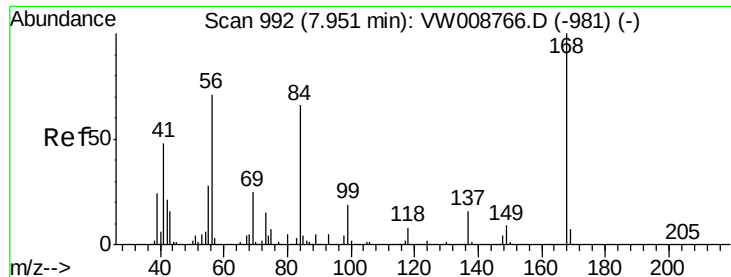
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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B-8(3.5-4.5)

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Quant Title : SW846 8260
QLast Update : Fri Feb 22 00:38:32 2019
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.95 min Scan# 992

Delta R.T. 0.00 min

Lab File: VW008893.D

Acq: 28 Feb 2019 17:49

Instrument :

MSVOA_W

ClientSampleId :

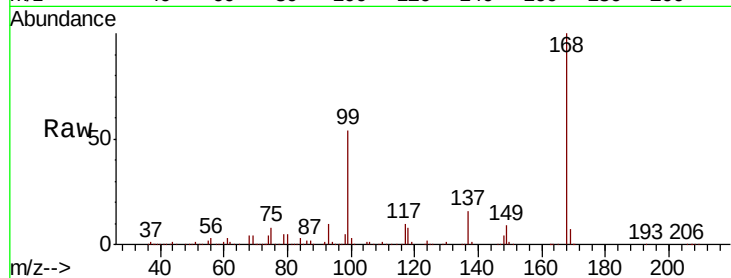
B-8(3.5-4.5)

Tot Ion:168 Resp: 342397

Ion Ratio Lower Upper

168 100

99 54.5 42.2 63.2



Abundance Ion 167.90 (167.60 to 168.60): VW

Ion 98.90 (98.60 to 99.60): VW

7.95

150000

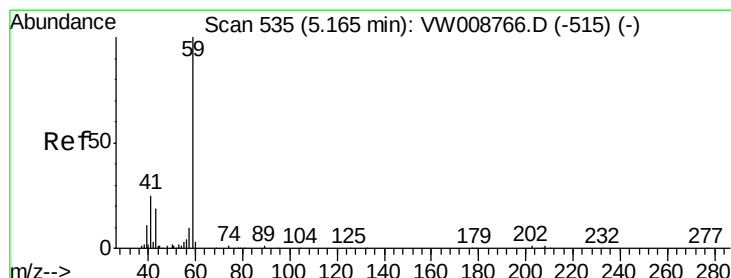
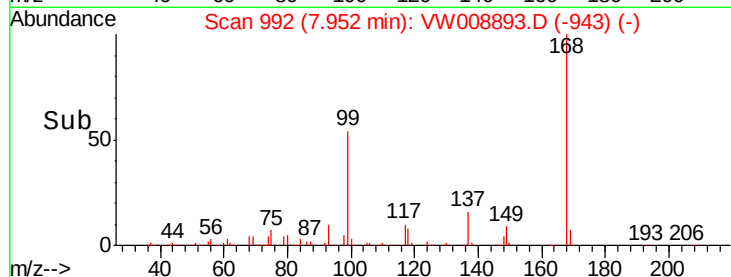
100000

50000

0

7.90 8.00

Time-->



#11

Tert butyl alcohol

Concen: 23.117 ug/l

RT: 5.13 min Scan# 529

Delta R.T. -0.04 min

Lab File: VW008893.D

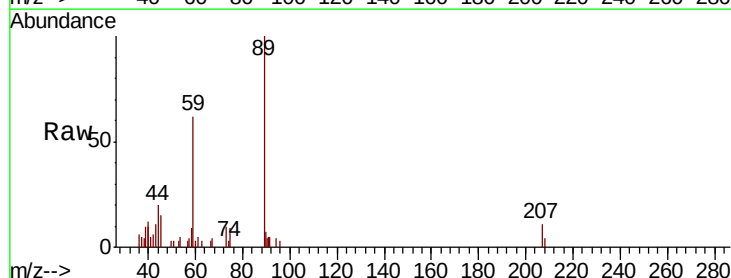
Acq: 28 Feb 2019 17:49

Tgt Ion: 59 Resp: 6609

Ion Ratio Lower Upper

59 100

57 4.6 9.3 13.9#



Abundance Ion 59.00 (58.70 to 59.70): VW

Ion 57.00 (56.70 to 57.70): VW

5.13

1500

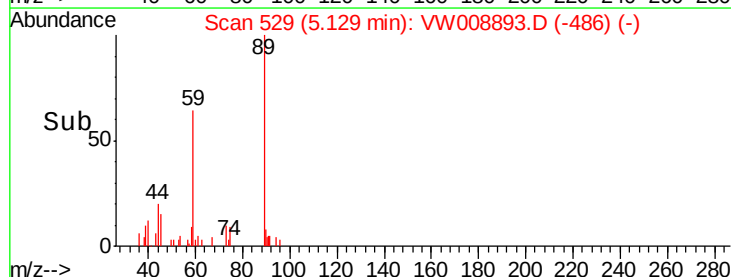
1000

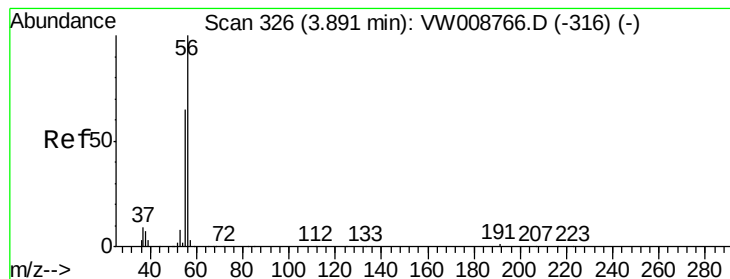
500

0

5.00 5.10 5.20 5.30

Time-->





#13

Acrolein

Concen: 20.021 ug/l

RT: 3.89 min Scan# 326

Delta R.T. 0.00 min

Lab File: VW008893.D

Acq: 28 Feb 2019 17:49

Instrument :

MSVOA_W

ClientSampleId :

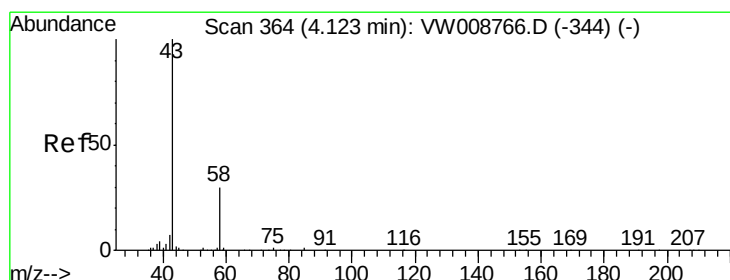
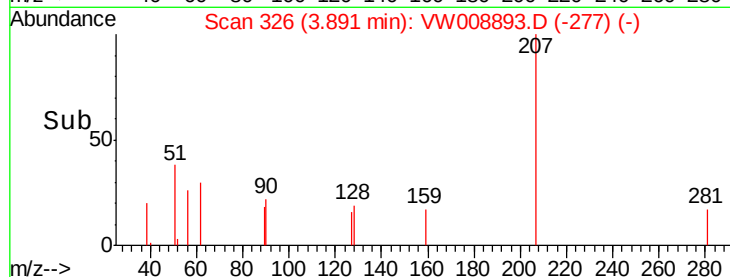
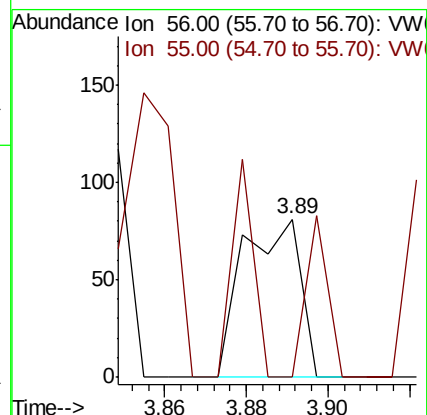
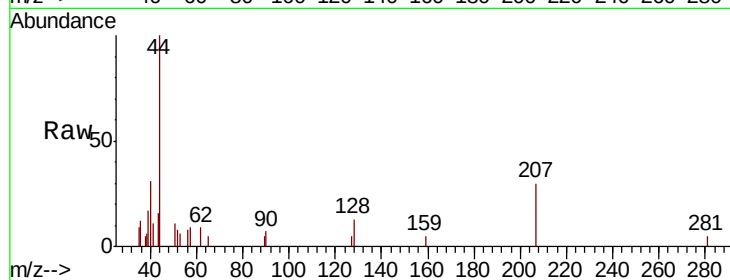
B-8(3.5-4.5)

Tot Ion: 56 Resp: 79

Ion Ratio Lower Upper

56 100

55 38.0 56.9 85.3#



#16

Acetone

Concen: 81.304 ug/l

RT: 4.13 min Scan# 365

Delta R.T. 0.01 min

Lab File: VW008893.D

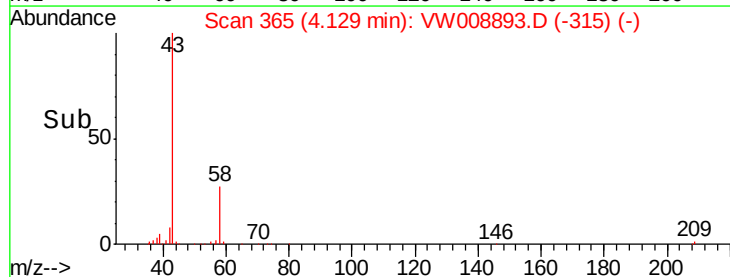
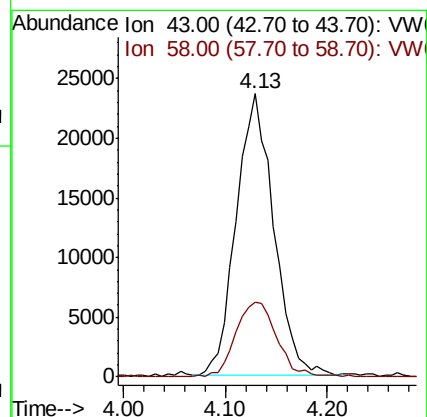
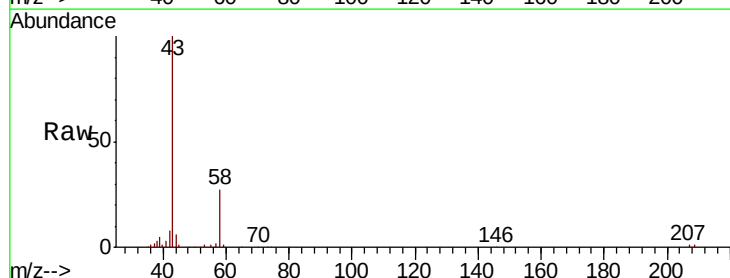
Acq: 28 Feb 2019 17:49

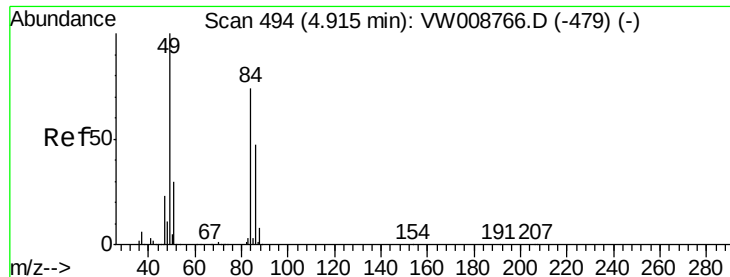
Tgt Ion: 43 Resp: 60520

Ion Ratio Lower Upper

43 100

58 26.6 23.8 35.6





#20

Methylene Chloride

Concen: 5.762 ug/l

RT: 4.92 min Scan# 494

Delta R.T. 0.00 min

Lab File: VW008893.D

Acq: 28 Feb 2019 17:49

Instrument :

MSVOA_W

ClientSampled :

B-8(3.5-4.5)

Tot Ion: 84 Resp: 37704

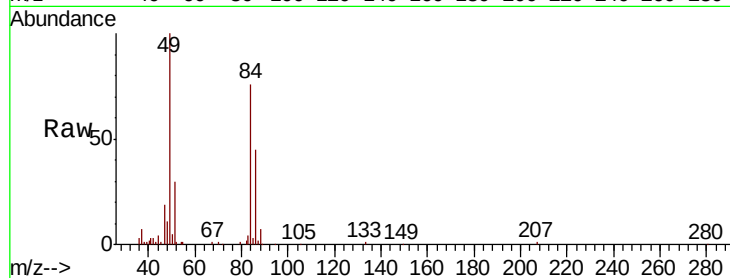
Ion Ratio Lower Upper

84 100

49 131.9 108.2 162.2

51 39.3 32.7 49.1

86 58.7 50.3 75.5

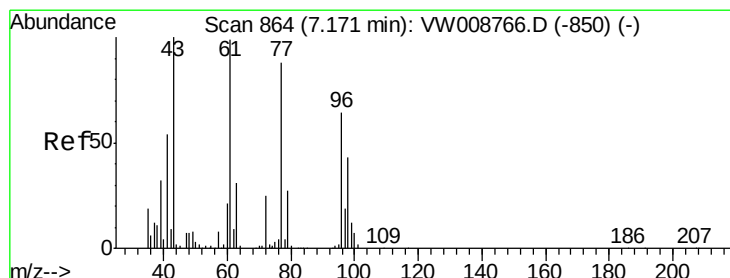
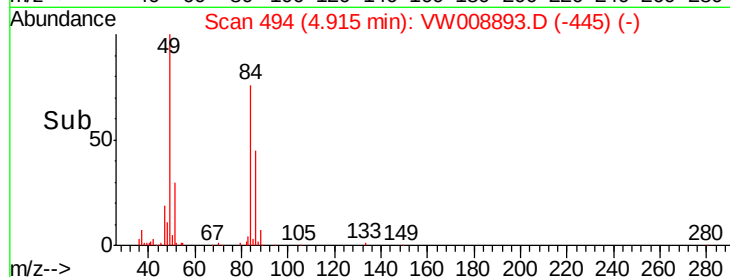
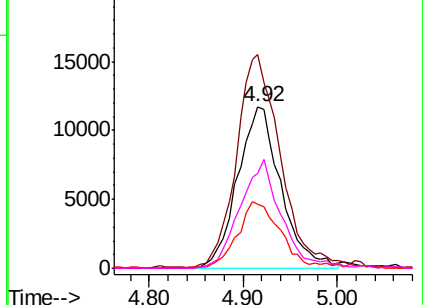


Abundance Ion 83.90 (83.60 to 84.60): VW

Ion 48.90 (48.60 to 49.60): VW

Ion 50.90 (50.60 to 51.60): VW

Ion 85.90 (85.60 to 86.60): VW



#25

2-Butanone

Concen: 1.800 ug/l

RT: 7.14 min Scan# 859

Delta R.T. -0.03 min

Lab File: VW008893.D

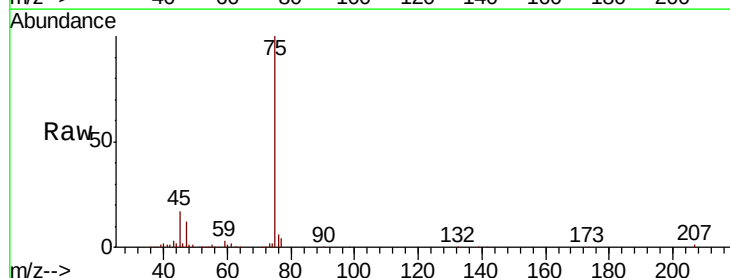
Acq: 28 Feb 2019 17:49

Tgt Ion: 43 Resp: 1873

Ion Ratio Lower Upper

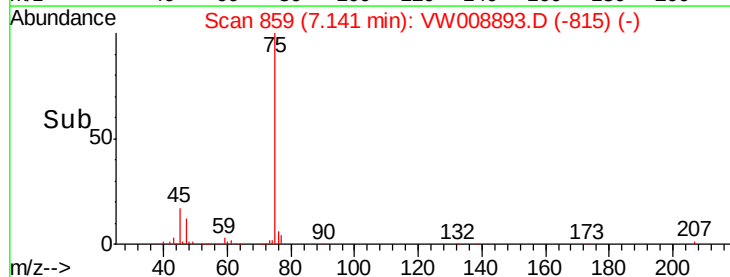
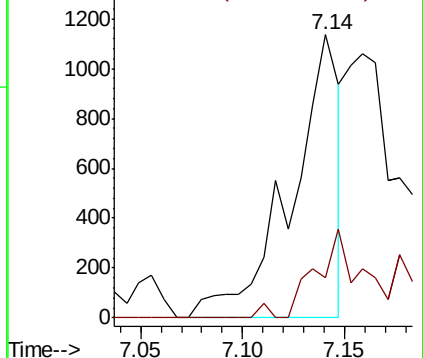
43 100

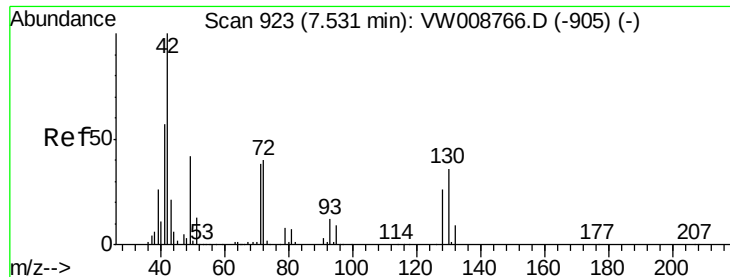
72 14.0 19.7 29.5#



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 72.00 (71.70 to 72.70): VW

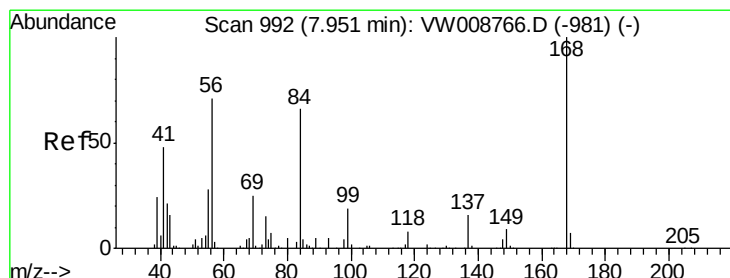
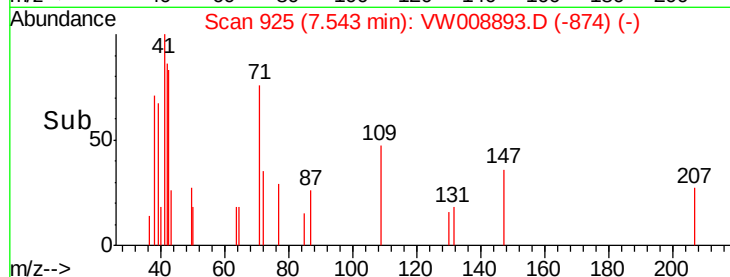
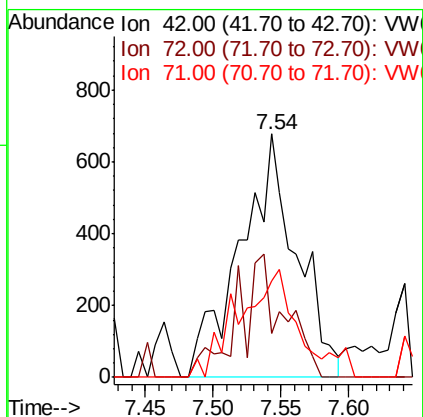
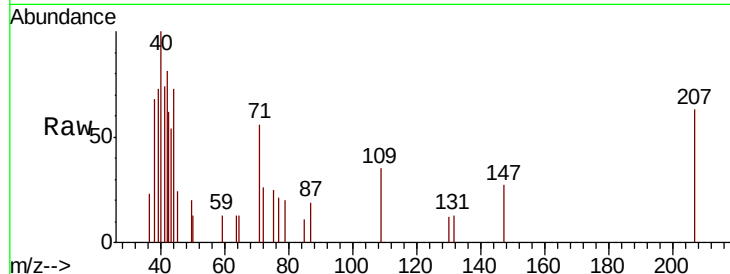




#29
Tetrahydrofuran
Concen: 2.964 ug/l
RT: 7.54 min Scan# 925
Delta R.T. 0.01 min
Lab File: VW008893.D
Acq: 28 Feb 2019 17:49

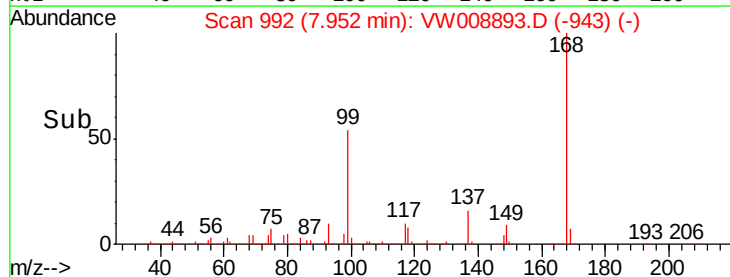
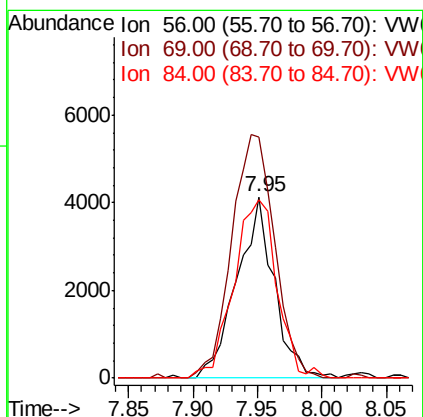
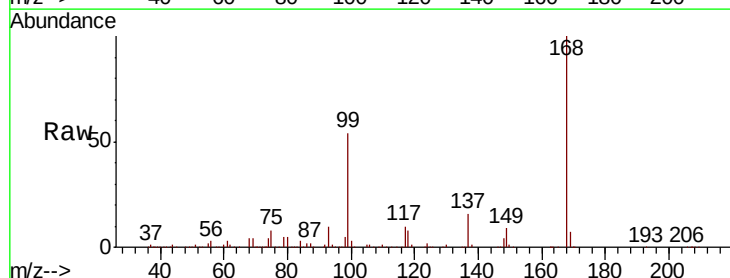
Instrument :
MSVOA_W
ClientSampleId :
B-8(3.5-4.5)

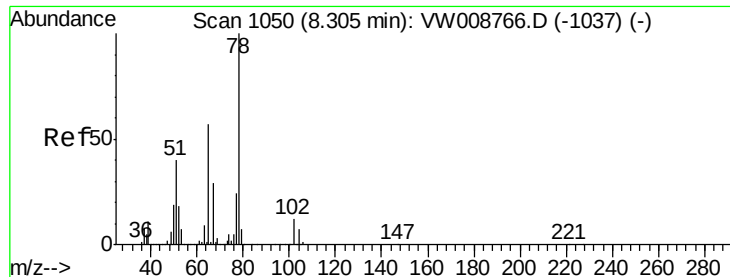
Tot Ion: 42 Resp: 1966
Ion Ratio Lower Upper
42 100
72 36.6 32.7 49.1
71 43.8 31.3 46.9



#31
Cyclohexane
Concen: 1.365 ug/l
RT: 7.95 min Scan# 992
Delta R.T. 0.00 min
Lab File: VW008893.D
Acq: 28 Feb 2019 17:49

Tgt Ion: 56 Resp: 8263
Ion Ratio Lower Upper
56 100
69 132.7 28.2 42.4#
84 98.2 74.1 111.1

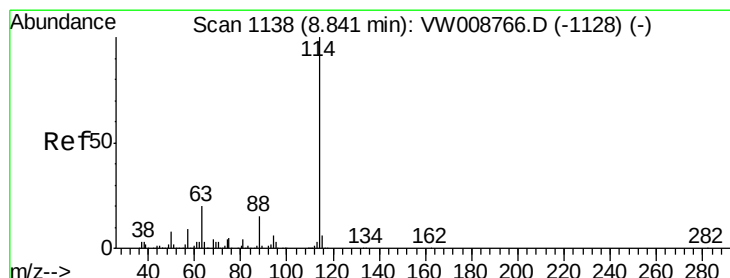
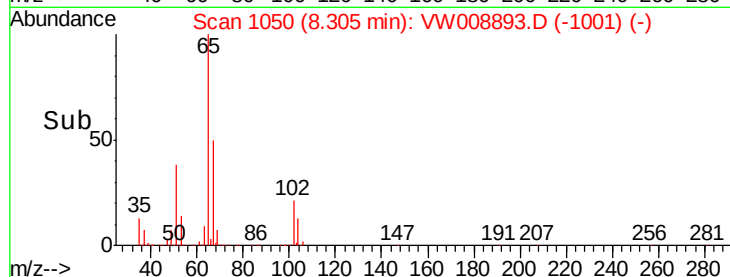
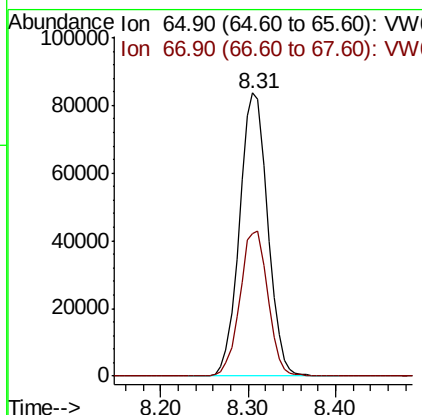
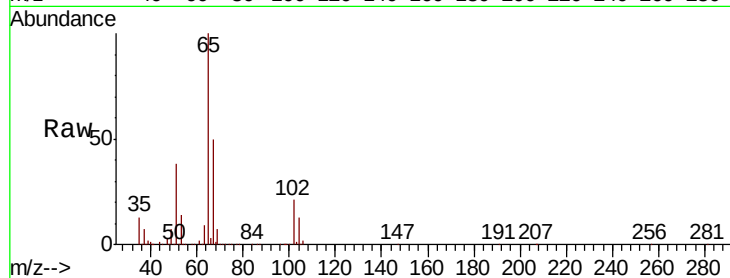




#33
 1,2-Dichloroethane-d4
 Concen: 58.264 ug/l
 RT: 8.31 min Scan# 1050
 Delta R.T. 0.00 min
 Lab File: VW008893.D
 Acq: 28 Feb 2019 17:49

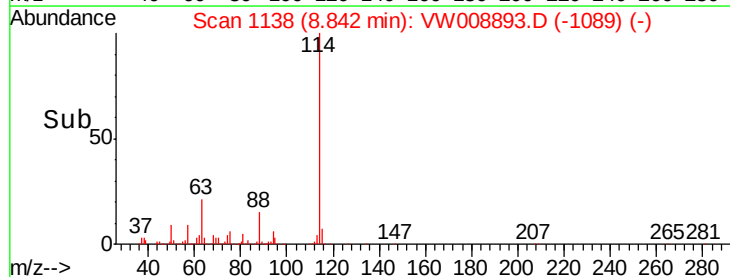
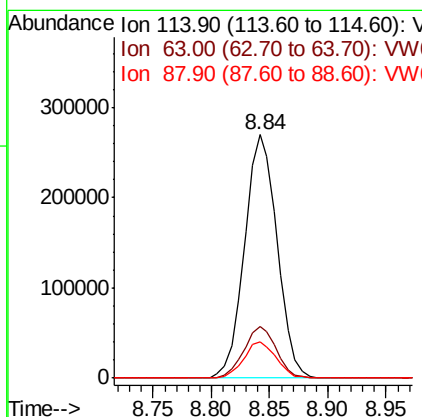
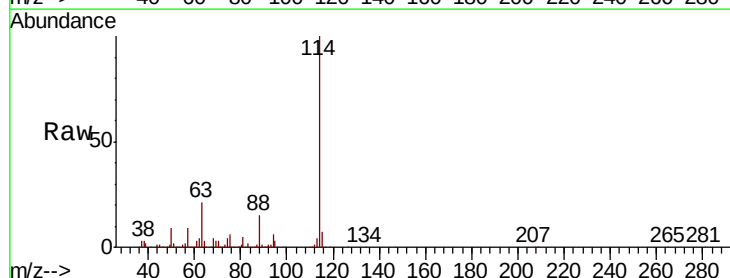
Instrument :
 MSVOA_W
 ClientSampleId :
 B-8(3.5-4.5)

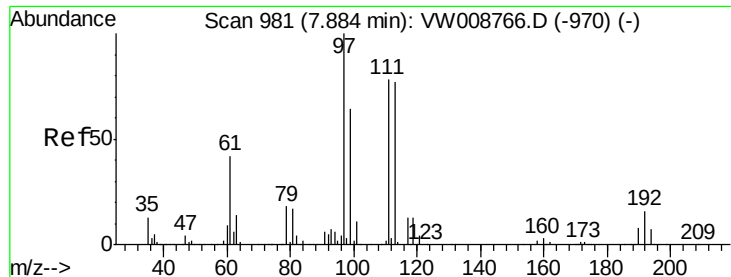
Tot Ion: 65 Resp: 187107
 Ion Ratio Lower Upper
 65 100
 67 51.0 0.0 101.4



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.84 min Scan# 1138
 Delta R.T. 0.00 min
 Lab File: VW008893.D
 Acq: 28 Feb 2019 17:49

Tgt Ion: 114 Resp: 525815
 Ion Ratio Lower Upper
 114 100
 63 21.1 0.0 40.8
 88 14.8 0.0 30.4

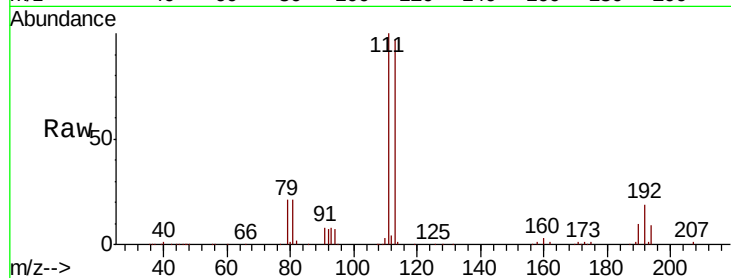




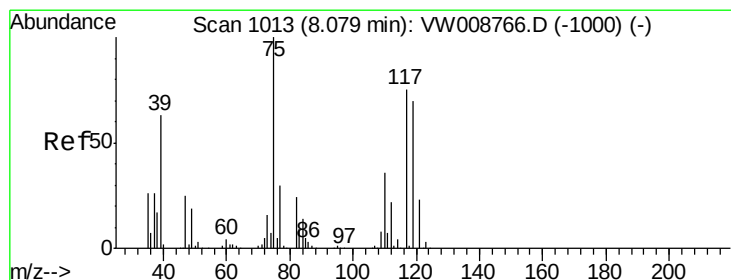
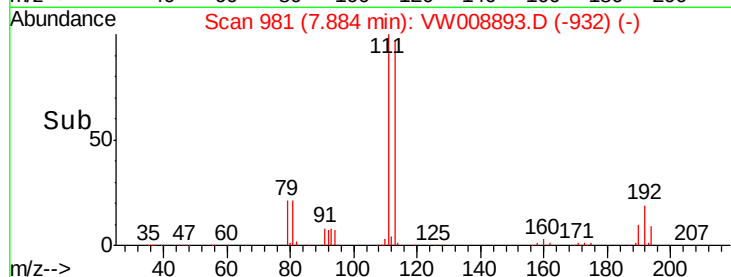
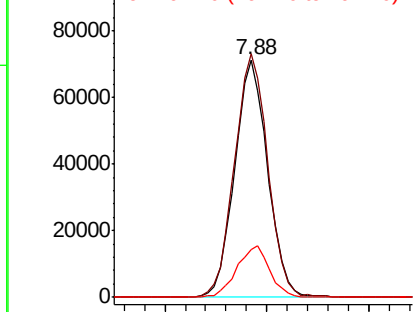
#35
 Dibromofluoromethane
 Concen: 50.452 ug/l
 RT: 7.88 min Scan# 981
 Delta R.T. 0.00 min
 Lab File: VW008893.D
 Acq: 28 Feb 2019 17:49

Instrument :
 MSVOA_W
 ClientSampleId :
 B-8(3.5-4.5)

Tot Ion	Ratio	Lower	Upper
113	100		
111	104.0	81.9	122.9
192	21.6	17.1	25.7

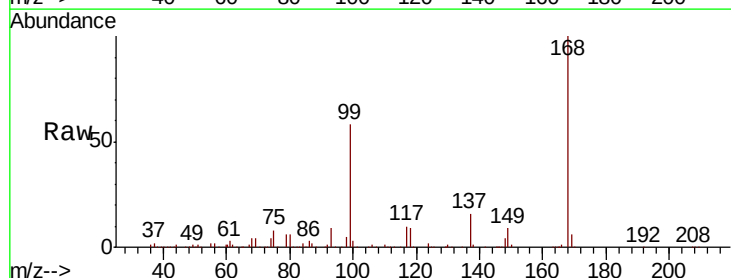


Abundance Ion 112.80 (112.50 to 113.50): V
 Ion 110.80 (110.50 to 111.50): V
 Ion 191.70 (191.40 to 192.40): V

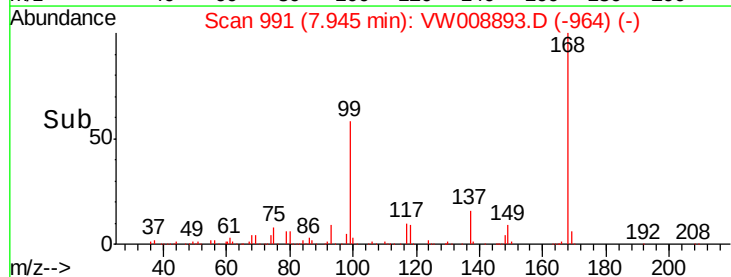
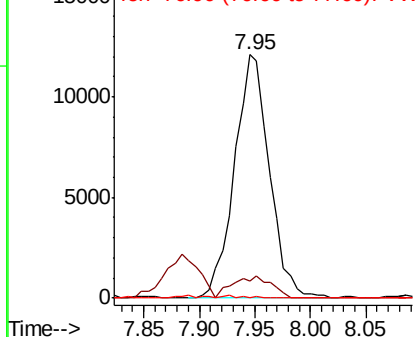


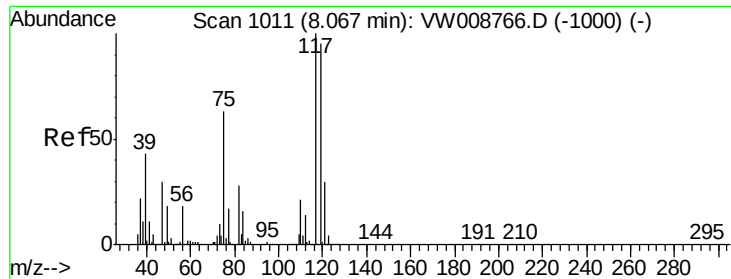
#36
 1,1-Dichloropropene
 Concen: 5.139 ug/l
 RT: 7.95 min Scan# 991
 Delta R.T. -0.13 min
 Lab File: VW008893.D
 Acq: 28 Feb 2019 17:49

Tgt Ion	Ratio	Lower	Upper
75	100		
110	10.0	17.5	52.6#
77	0.0	24.5	36.7#



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

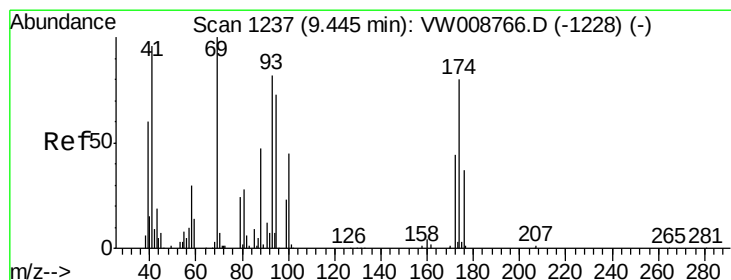
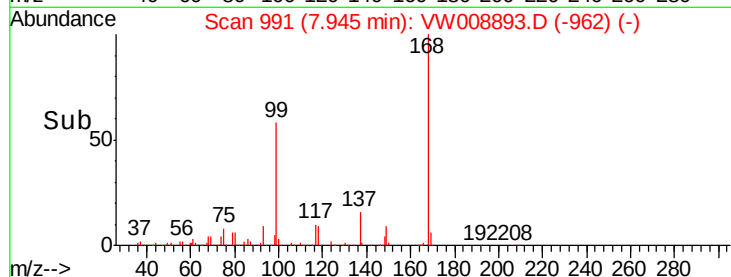
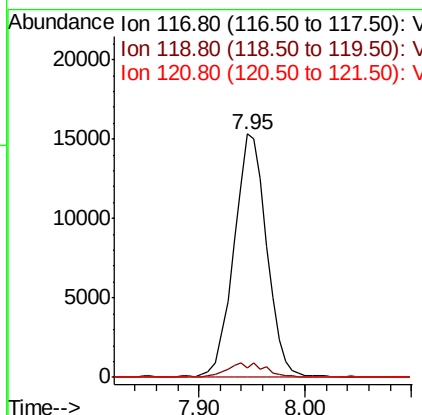
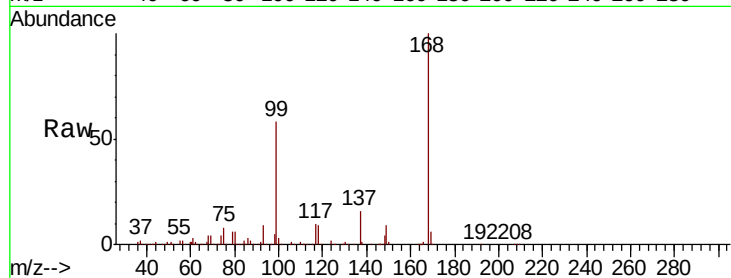




#38
Carbon Tetrachloride
Concen: 6.123 ug/l
RT: 7.95 min Scan# 991
Delta R.T. -0.12 min
Lab File: VW008893.D
Acq: 28 Feb 2019 17:49

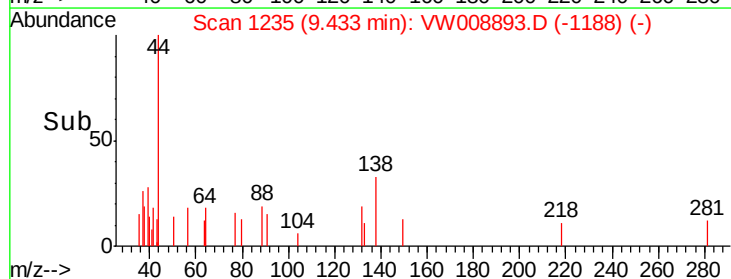
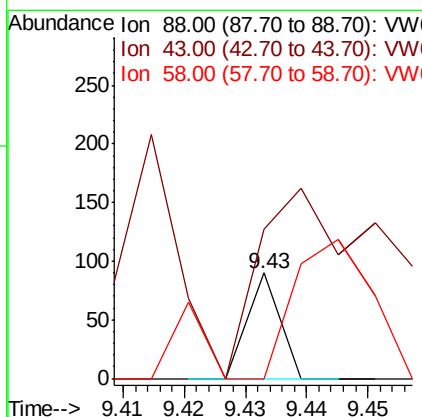
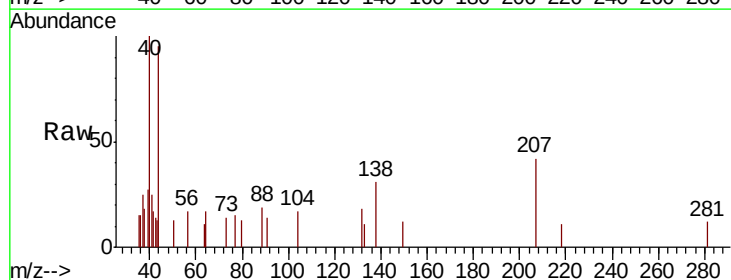
Instrument :
MSVOA_W
ClientSampled :
B-8(3.5-4.5)

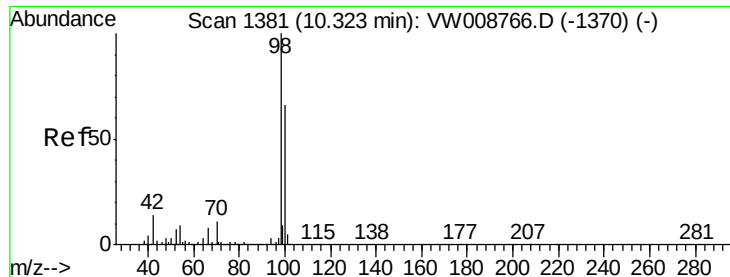
Tot Ion:117 Resp: 33049
Ion Ratio Lower Upper
117 100
119 4.1 76.1 114.1#
121 0.0 24.0 36.0#



#49
1,4-Dioxane
Concen: 1.073 ug/l
RT: 9.43 min Scan# 1235
Delta R.T. -0.01 min
Lab File: VW008893.D
Acq: 28 Feb 2019 17:49

Tgt Ion: 88 Resp: 33
Ion Ratio Lower Upper
88 100
43 754.5 29.0 43.4#
58 318.2 52.0 78.0#





#50

Toluene-d8

Concen: 51.638 ug/l

RT: 10.32 min Scan# 1381

Delta R.T. 0.00 min

Lab File: VW008893.D

Acq: 28 Feb 2019 17:49

Instrument :

MSVOA_W

ClientSampleId :

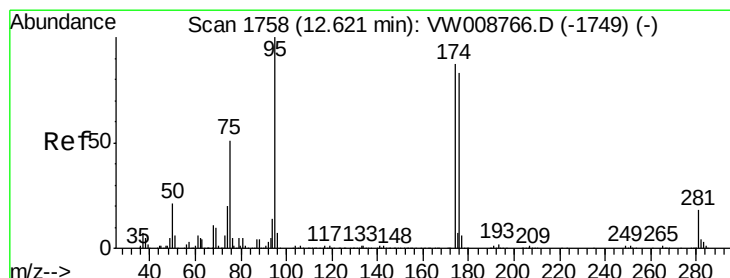
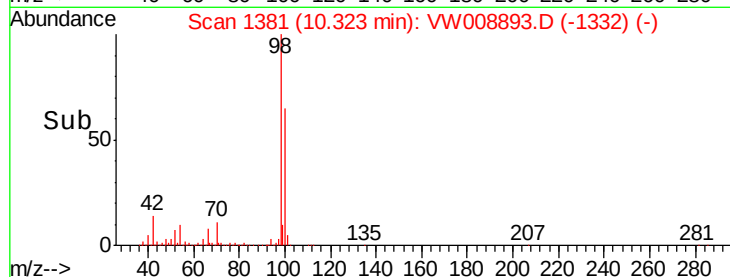
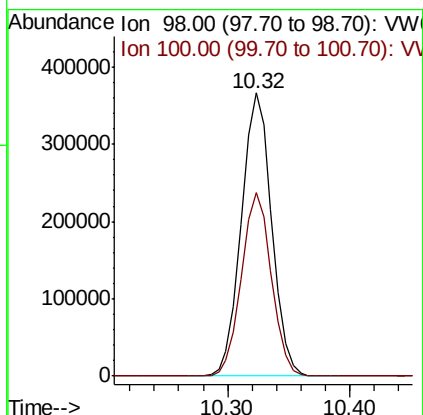
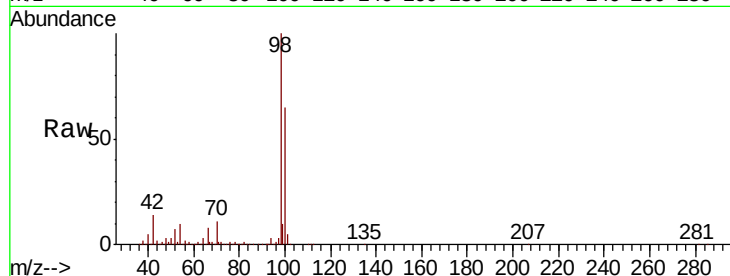
B-8(3.5-4.5)

Tot Ion: 98 Resp: 629326

Ion Ratio Lower Upper

98 100

100 64.2 52.4 78.6



#62

4-Bromofluorobenzene

Concen: 39.158 ug/l

RT: 12.62 min Scan# 1758

Delta R.T. 0.00 min

Lab File: VW008893.D

Acq: 28 Feb 2019 17:49

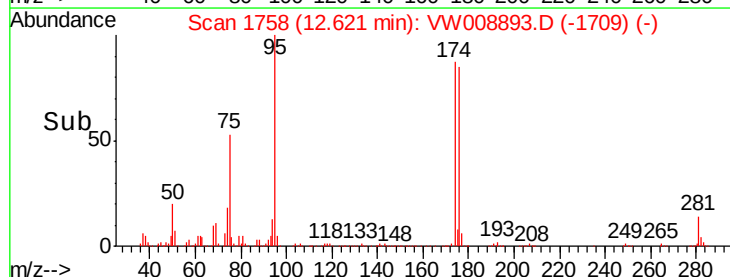
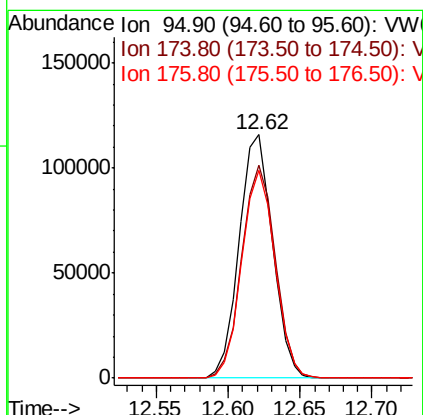
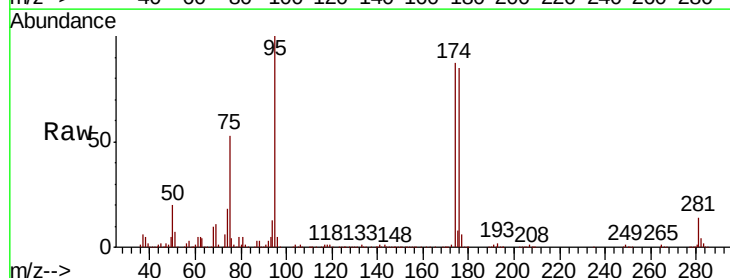
Tgt Ion: 95 Resp: 186856

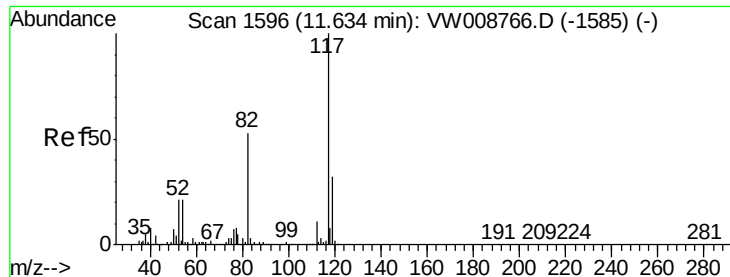
Ion Ratio Lower Upper

95 100

174 87.8 0.0 169.2

176 84.8 0.0 163.6





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.63 min Scan# 1596

Delta R.T. 0.00 min

Lab File: VW008893.D

Acq: 28 Feb 2019 17:49

Instrument :

MSVOA_W

ClientSampleId :

B-8(3.5-4.5)

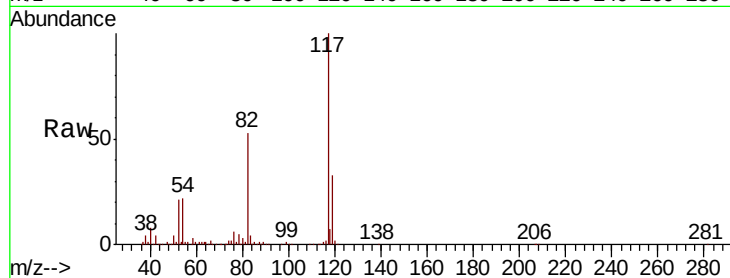
Tot Ion:117 Resp: 442777

Ion Ratio Lower Upper

117 100

82 53.3 42.2 63.4

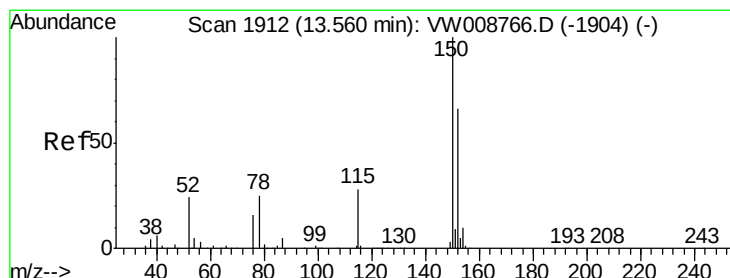
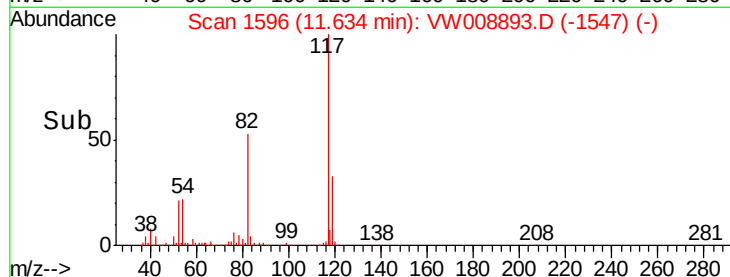
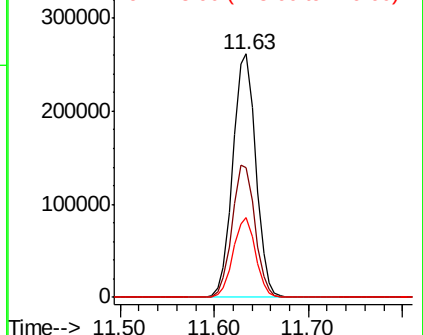
119 32.7 25.9 38.9



Abundance Ion 116.90 (116.60 to 117.60): V

Ion 82.00 (81.70 to 82.70): V

Ion 118.90 (118.60 to 119.60): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.56 min Scan# 1912

Delta R.T. 0.00 min

Lab File: VW008893.D

Acq: 28 Feb 2019 17:49

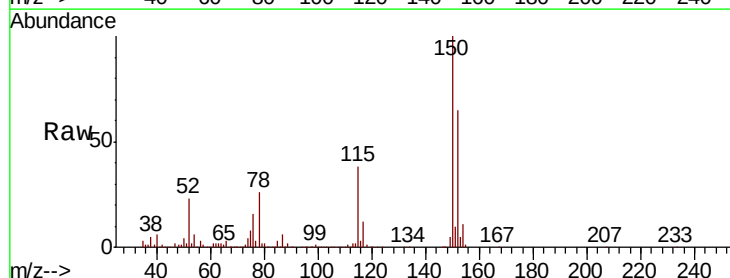
Tgt Ion:152 Resp: 174789

Ion Ratio Lower Upper

152 100

115 57.5 28.6 85.8

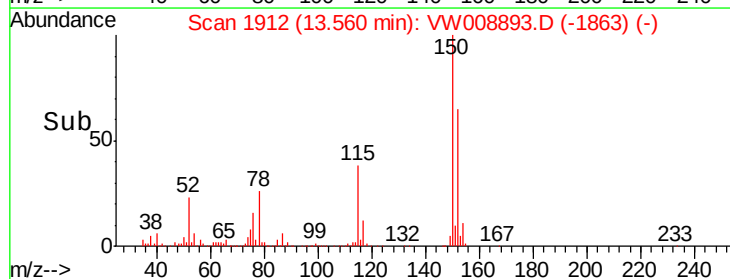
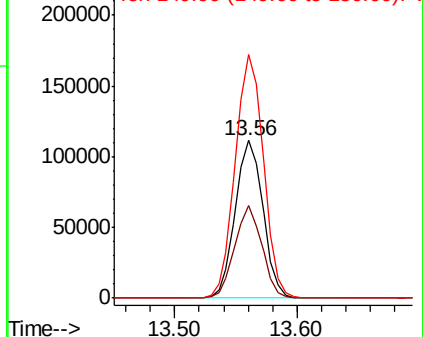
150 156.9 0.0 348.0

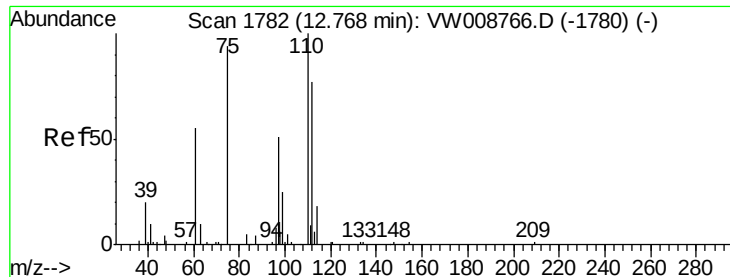


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#76

1,2,3-Trichloropropane

Concen: 70.258 ug/l

RT: 12.62 min Scan# 1758

Delta R.T. -0.15 min

Lab File: VW008893.D

Acq: 28 Feb 2019 17:49

Instrument :

MSVOA_W

ClientSampled :

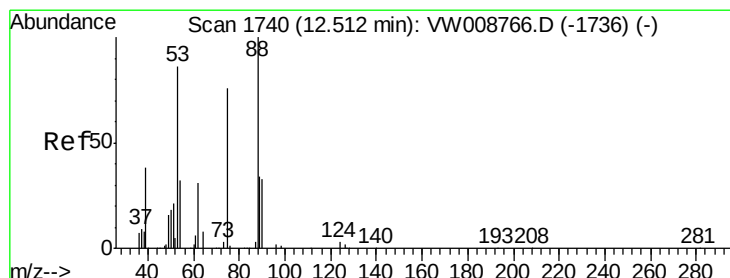
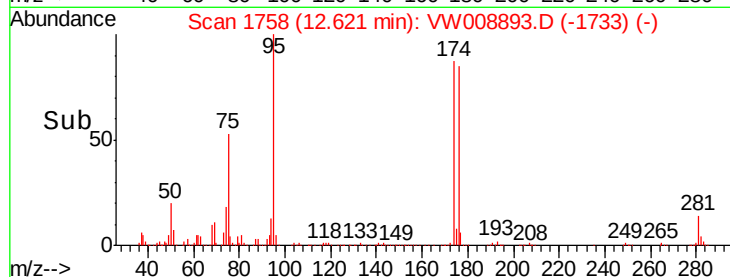
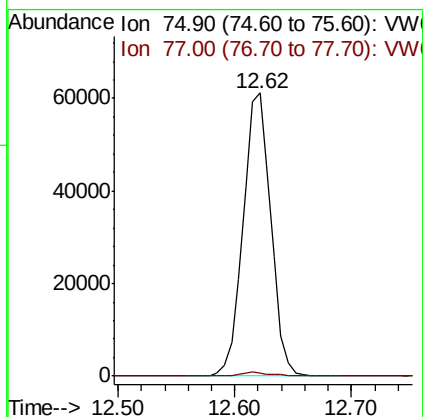
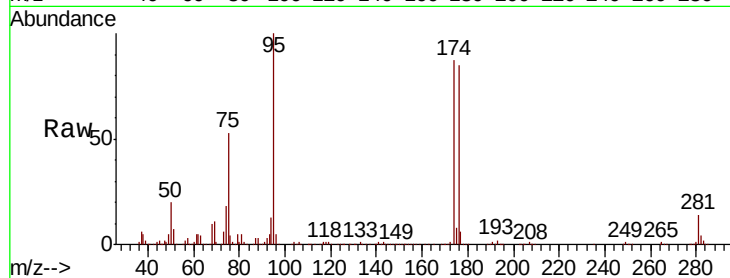
B-8(3.5-4.5)

Tot Ion: 75 Resp: 101390

Ion Ratio Lower Upper

75 100

77 1.4 0.0 0.0#



#81

trans-1,4-Dichloro-2-butene

Concen: 170.802 ug/l

RT: 12.62 min Scan# 1758

Delta R.T. 0.11 min

Lab File: VW008893.D

Acq: 28 Feb 2019 17:49

Tgt Ion: 75 Resp: 101390

Ion Ratio Lower Upper

75 100

53 0.1 88.2 132.2#

89 0.4 39.5 59.3#

