

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW022819\
 Data File : VW008892.D
 Acq On : 28 Feb 2019 17:23
 Operator : SY/VA
 Sample : K1650-15
 Misc : 6.34G/5ML/MSVOA W/SOIL
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 B-7(9-10)

Quant Time: Mar 01 06:01:41 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	363160	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	563660	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	496295	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	232210	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.30	65	197001	57.84	ug/l	0.00
Spiked Amount			Recovery	=	115.68%	
35) Dibromofluoromethane	7.88	113	176375	52.12	ug/l	0.00
Spiked Amount			Recovery	=	104.24%	
50) Toluene-d8	10.32	98	664932	50.90	ug/l	0.00
Spiked Amount			Recovery	=	101.80%	
62) 4-Bromofluorobenzene	12.62	95	225306	44.05	ug/l	0.00
Spiked Amount			Recovery	=	88.10%	

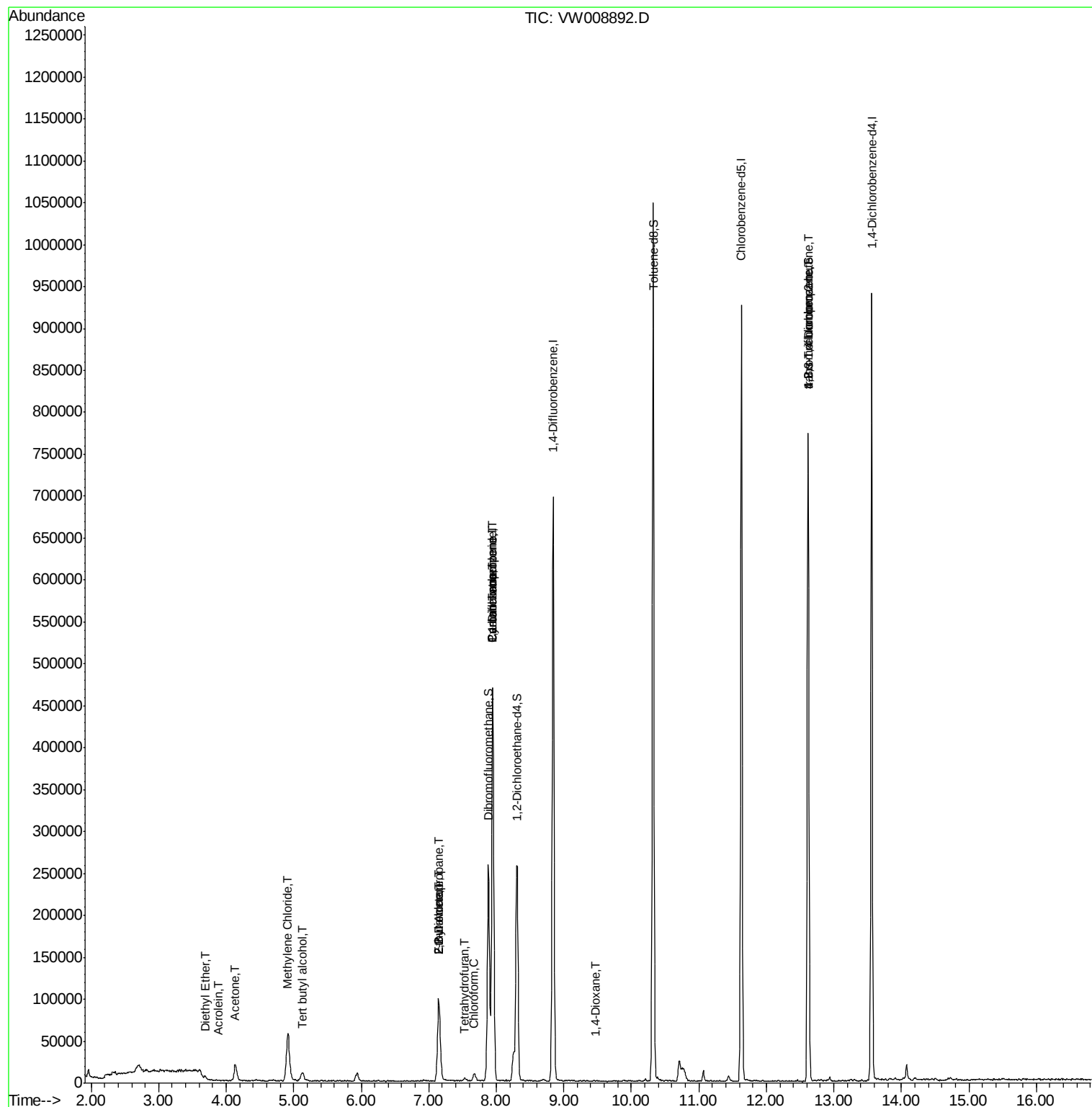
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
8) Diethyl Ether	3.69	74	2287	1.218	ug/l	70
11) Tert butyl alcohol	5.12	59	9250	30.504	ug/l #	72
13) Acrolein	3.87	56	95	20.053	ug/l #	14
16) Acetone	4.13	43	34722	43.979	ug/l	99
20) Methylene Chloride	4.92	84	43009	6.626	ug/l	90
25) 2-Butanone	7.15	43	7527	6.819	ug/l	96
26) 2,2-Dichloropropane	7.15	77	6833	1.186	ug/l #	55
29) Tetrahydrofuran	7.54	42	2337	3.322	ug/l	94
30) Chloroform	7.68	83	6799	1.045	ug/l	84
31) Cyclohexane	7.95	56	8156	1.270	ug/l #	13
36) 1,1-Dichloropropene	7.95	75	28223	5.144	ug/l #	51
37) Ethyl Acetate	7.15	43	7527	2.950	ug/l #	16
38) Carbon Tetrachloride	7.95	117	33955	5.868	ug/l #	16
49) 1,4-Dioxane	9.48	88	42	1.274	ug/l #	1
76) 1,2,3-Trichloropropane	12.62	75	119006	62.073	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.62	75	119006	150.904	ug/l #	6

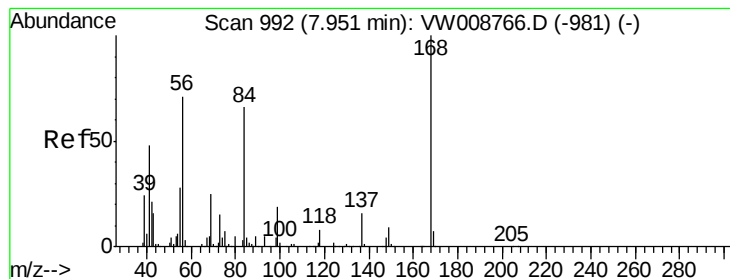
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA W\DATA\VW022819\
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Quant Time: Mar 01 06:01:41 2019
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_W\METHOD\82W022119S.M
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# 991

Delta R.T. -0.01 min

Lab File: VW008892.D

Acq: 28 Feb 2019 17:23

Instrument :

MSVOA_W

ClientSampled :

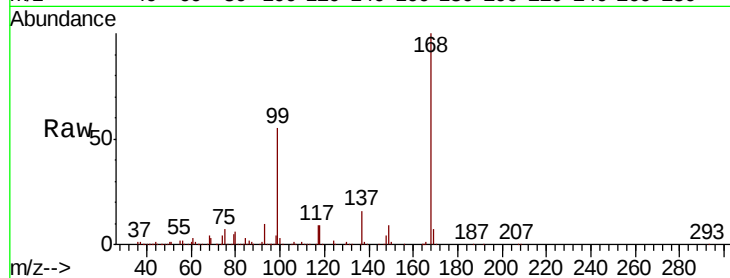
B-7(9-10)

Tot Ion:168 Resp: 363160

Ion Ratio Lower Upper

168 100

99 55.0 42.2 63.2



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW

7.95

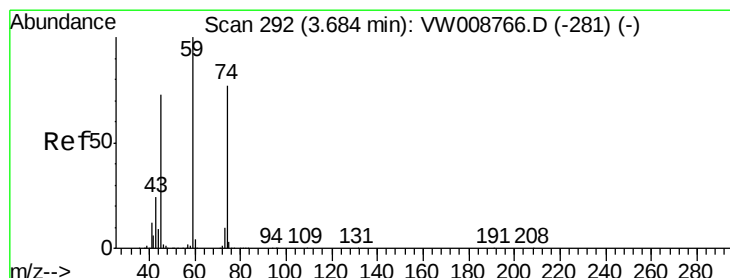
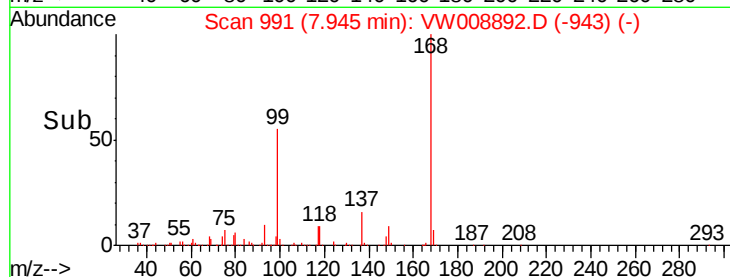
150000

100000

50000

0

Time-->



#8

Diethyl Ether

Concen: 1.218 ug/l

RT: 3.69 min Scan# 293

Delta R.T. 0.01 min

Lab File: VW008892.D

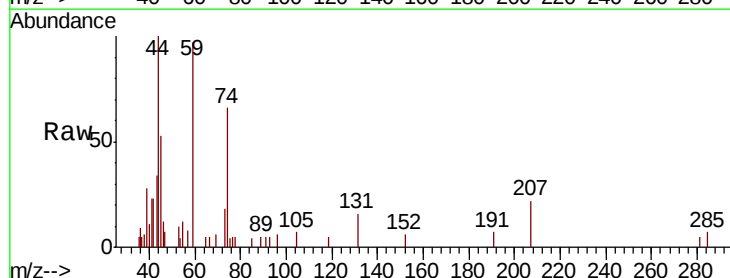
Acq: 28 Feb 2019 17:23

Tgt Ion: 74 Resp: 2287

Ion Ratio Lower Upper

74 100

45 70.7 50.2 150.6



Abundance Ion 74.00 (73.70 to 74.70): VW

Ion 45.00 (44.70 to 45.70): VW

3.69

1000

800

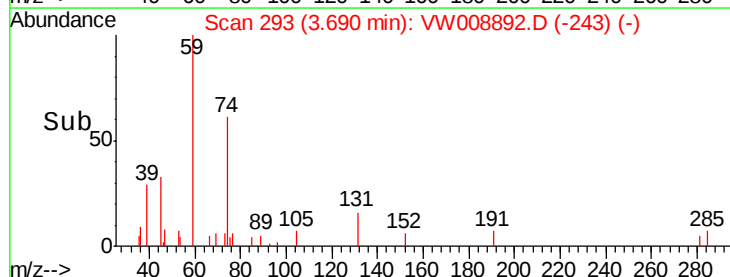
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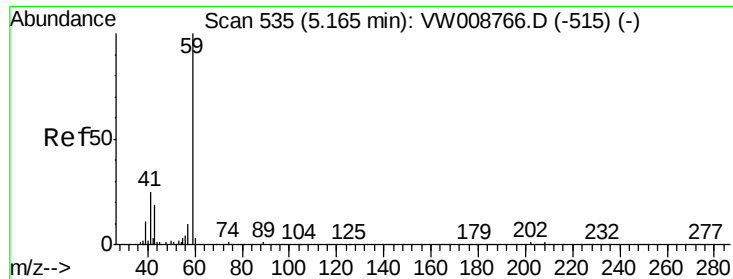
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200

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Time-->



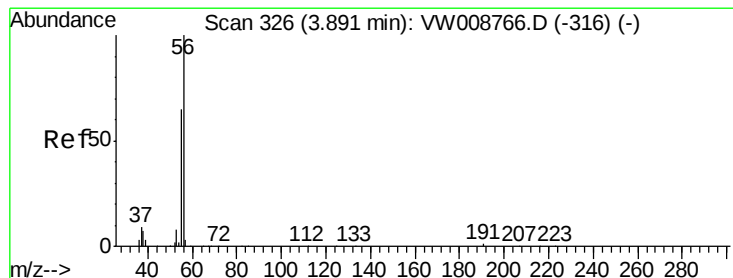
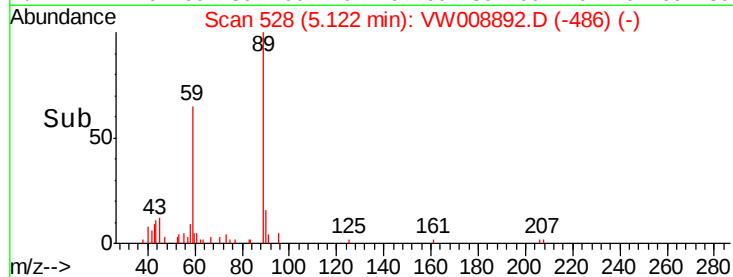
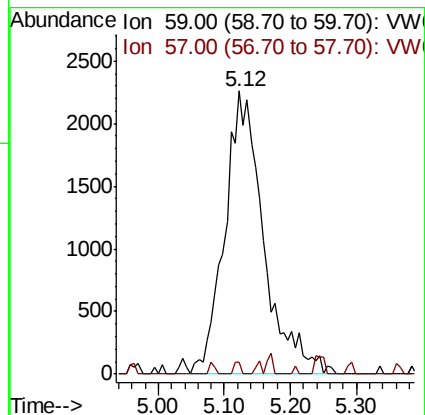
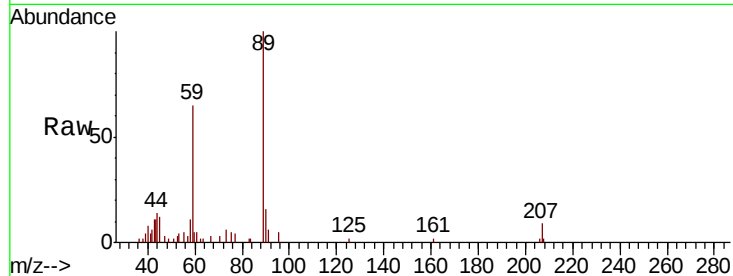


#11

Tert butyl alcohol
 Concen: 30.504 ug/l
 RT: 5.12 min Scan# 528
 Delta R.T. -0.04 min
 Lab File: VW008892.D
 Acq: 28 Feb 2019 17:23

Instrument :
 MSVOA_W
 ClientSampled :
 B-7(9-10)

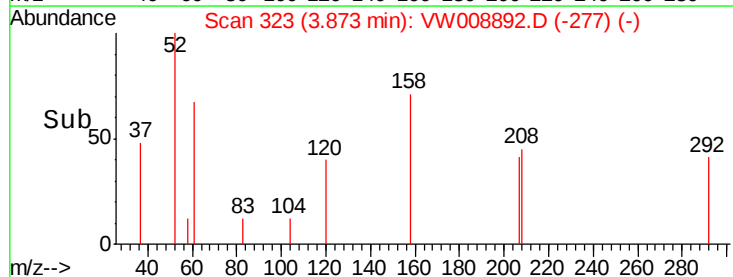
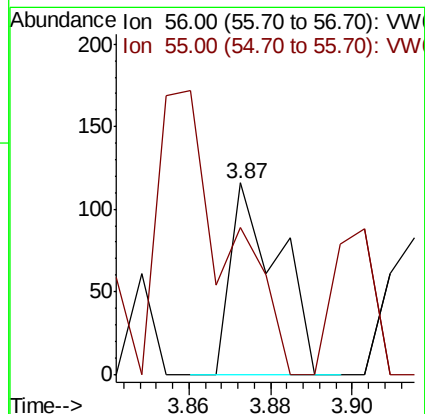
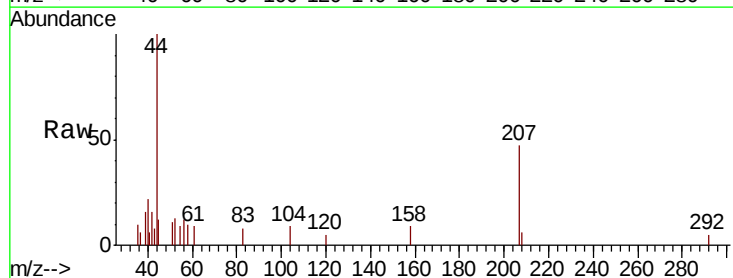
Tot Ion: 59 Resp: 9250
 Ion Ratio Lower Upper
 59 100
 57 0.7 9.3 13.9#

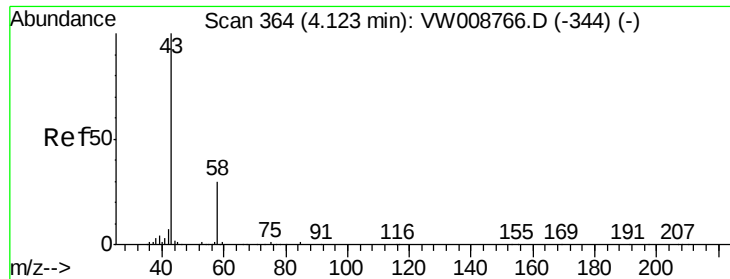


#13

Acrolein
 Concen: 20.053 ug/l
 RT: 3.87 min Scan# 323
 Delta R.T. -0.02 min
 Lab File: VW008892.D
 Acq: 28 Feb 2019 17:23

Tgt Ion: 56 Resp: 95
 Ion Ratio Lower Upper
 56 100
 55 0.0 56.9 85.3#





#16

Acetone

Concen: 43.979 ug/l

RT: 4.13 min Scan# 366

Delta R.T. 0.01 min

Lab File: VW008892.D

Acq: 28 Feb 2019 17:23

Instrument :

MSVOA_W

ClientSampleId :

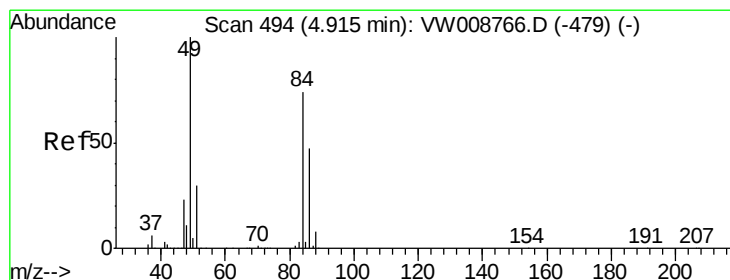
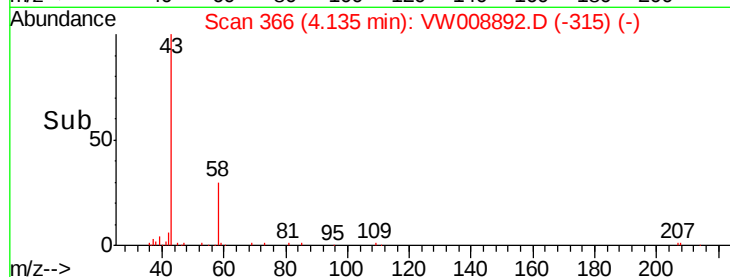
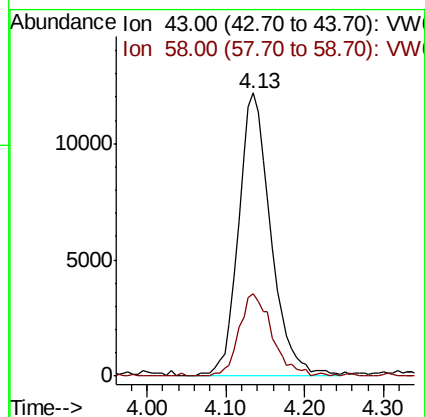
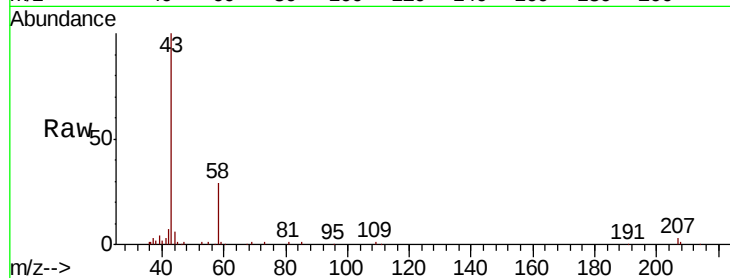
B-7(9-10)

Tot Ion: 43 Resp: 34722

Ion Ratio Lower Upper

43 100

58 29.0 23.8 35.6



#20

Methylene Chloride

Concen: 6.626 ug/l

RT: 4.92 min Scan# 494

Delta R.T. 0.00 min

Lab File: VW008892.D

Acq: 28 Feb 2019 17:23

Tgt Ion: 84 Resp: 43009

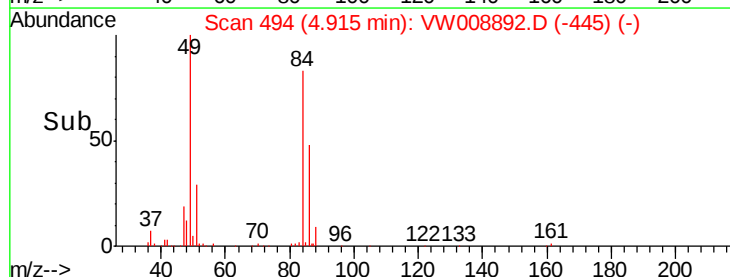
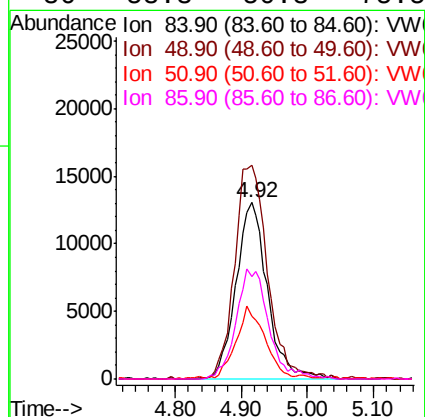
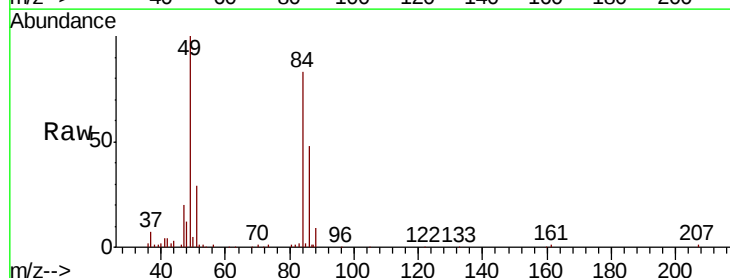
Ion Ratio Lower Upper

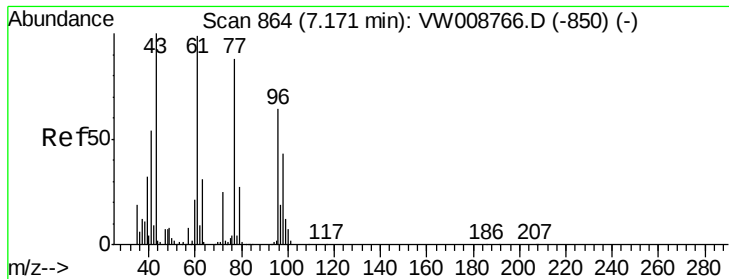
84 100

49 121.0 108.2 162.2

51 34.9 32.7 49.1

86 58.3 50.3 75.5





#25

2-Butanone

Concen: 6.819 ug/l

RT: 7.15 min Scan# 861

Delta R.T. -0.02 min

Lab File: VW008892.D

Acq: 28 Feb 2019 17:23

Instrument :

MSVOA_W

ClientSampleId :

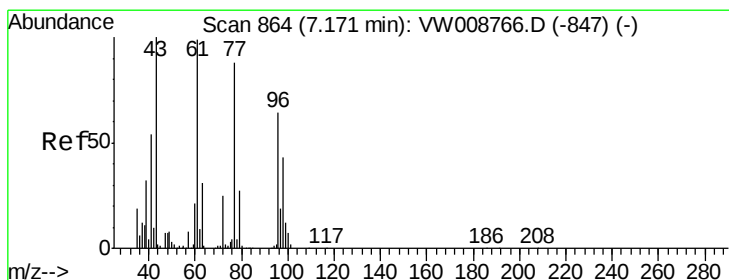
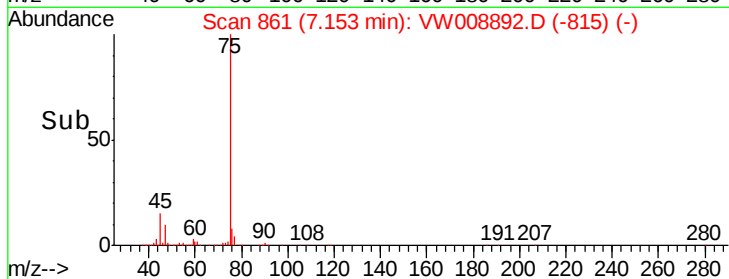
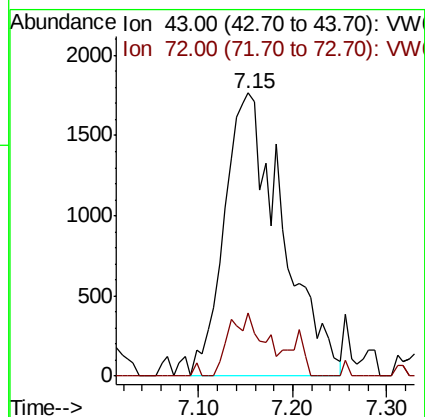
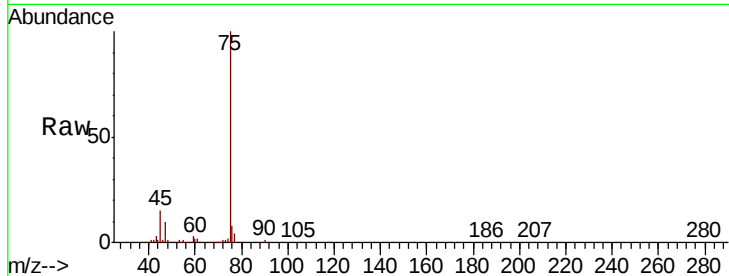
B-7(9-10)

Tot Ion: 43 Resp: 7527

Ion Ratio Lower Upper

43 100

72 22.5 19.7 29.5



#26

2,2-Dichloropropane

Concen: 1.186 ug/l

RT: 7.15 min Scan# 861

Delta R.T. -0.02 min

Lab File: VW008892.D

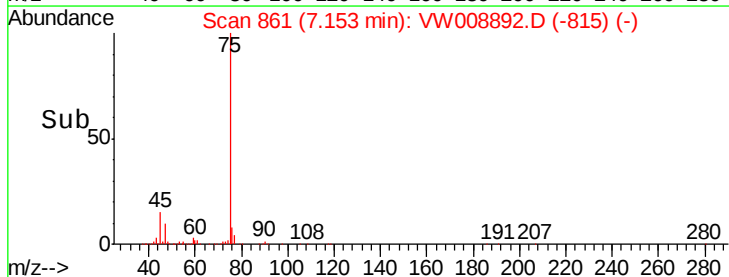
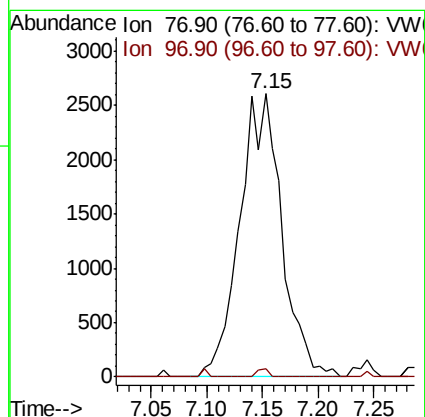
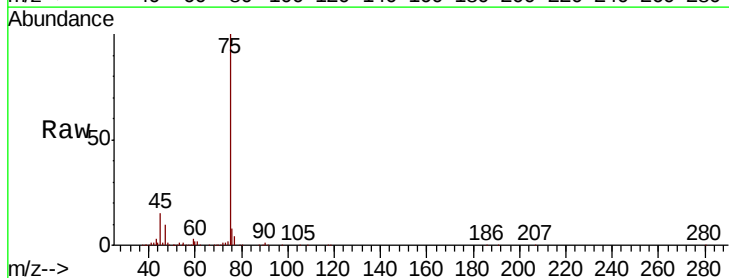
Acq: 28 Feb 2019 17:23

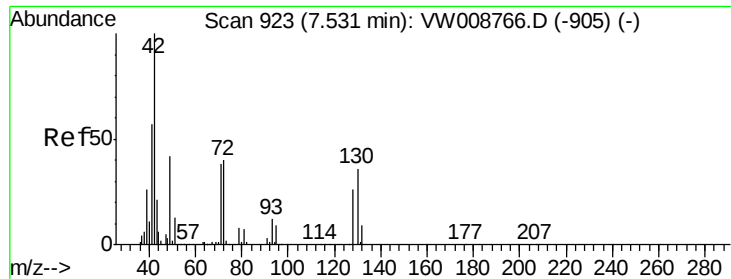
Tgt Ion: 77 Resp: 6833

Ion Ratio Lower Upper

77 100

97 0.7 11.0 33.0#





#29

Tetrahydrofuran

Concen: 3.322 ug/l

RT: 7.54 min Scan# 924

Delta R.T. 0.01 min

Lab File: VW008892.D

Acq: 28 Feb 2019 17:23

Instrument :

MSVOA_W

ClientSampleId :

B-7(9-10)

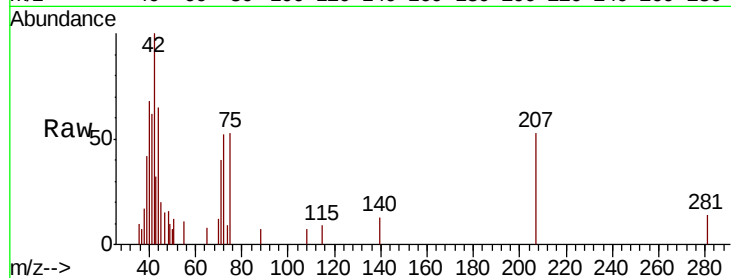
Tot Ion: 42 Resp: 2337

Ion Ratio Lower Upper

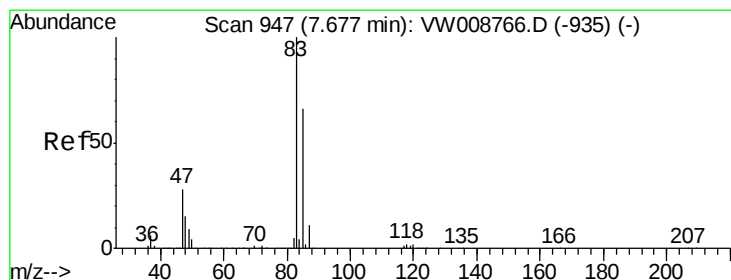
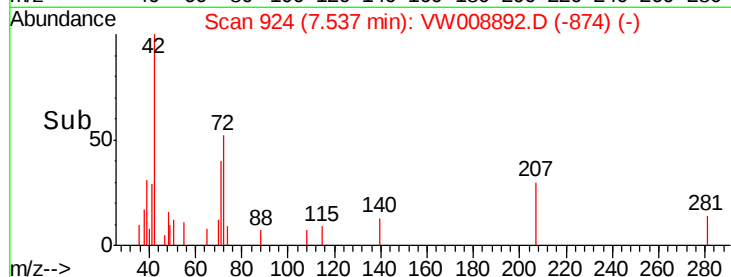
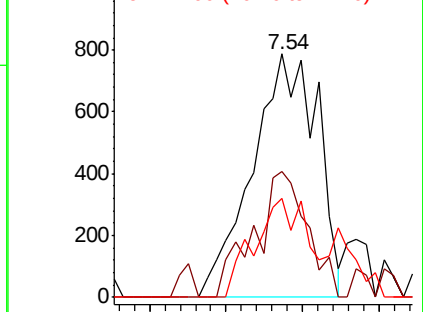
42 100

72 41.7 32.7 49.1

71 32.4 31.3 46.9



Abundance Ion 42.00 (41.70 to 42.70): VW
Ion 72.00 (71.70 to 72.70): VW
Ion 71.00 (70.70 to 71.70): VW



#30

Chloroform

Concen: 1.045 ug/l

RT: 7.68 min Scan# 947

Delta R.T. -0.00 min

Lab File: VW008892.D

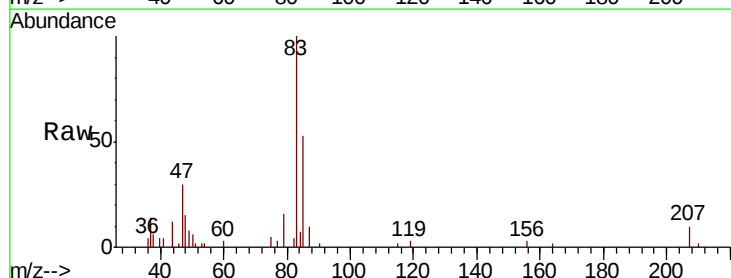
Acq: 28 Feb 2019 17:23

Tgt Ion: 83 Resp: 6799

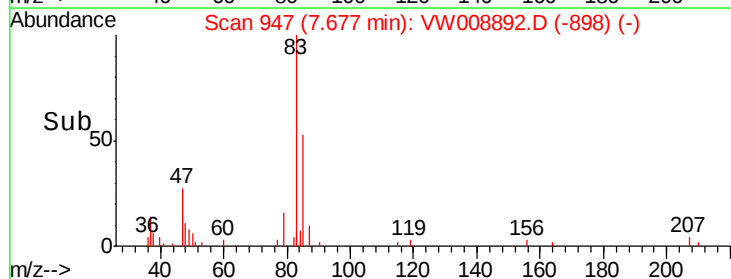
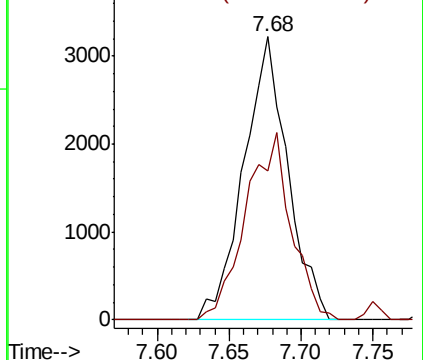
Ion Ratio Lower Upper

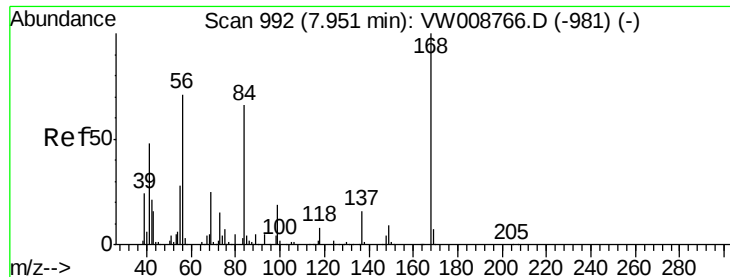
83 100

85 52.8 52.6 79.0



Abundance Ion 82.90 (82.60 to 83.60): VW
Ion 84.90 (84.60 to 85.60): VW

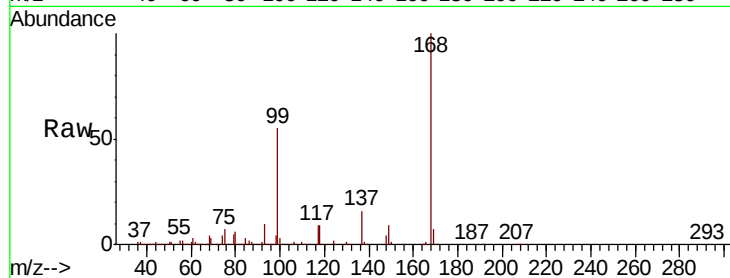




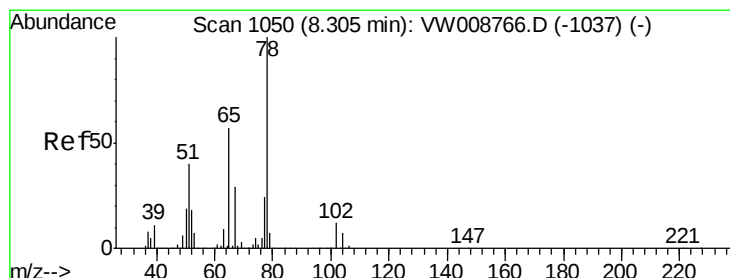
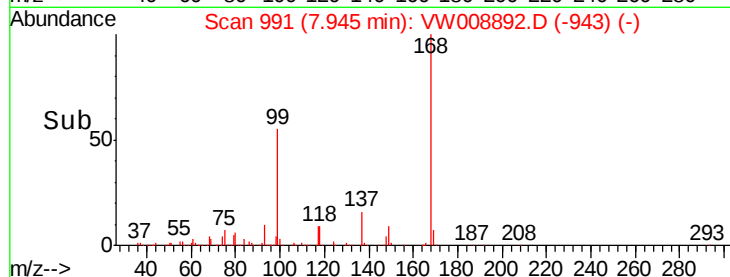
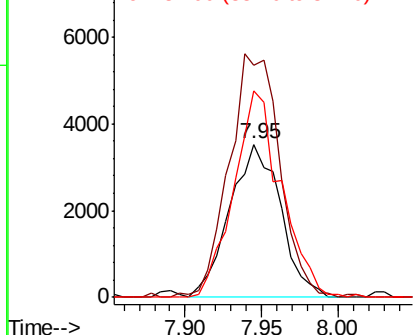
#31
Cyclohexane
Concen: 1.270 ug/l
RT: 7.95 min Scan# 991
Delta R.T. -0.01 min
Lab File: VW008892.D
Acq: 28 Feb 2019 17:23

Instrument :
MSVOA_W
ClientSampleId :
B-7(9-10)

Tot Ion: 56 Resp: 8156
Ion Ratio Lower Upper
56 100
69 151.1 28.2 42.4#
84 135.0 74.1 111.1#

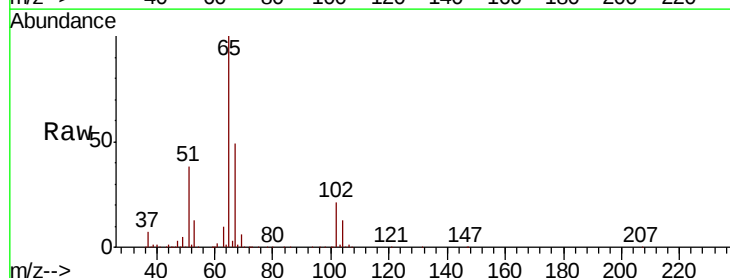


Abundance Ion 56.00 (55.70 to 56.70): VW
Ion 69.00 (68.70 to 69.70): VW
Ion 84.00 (83.70 to 84.70): VW

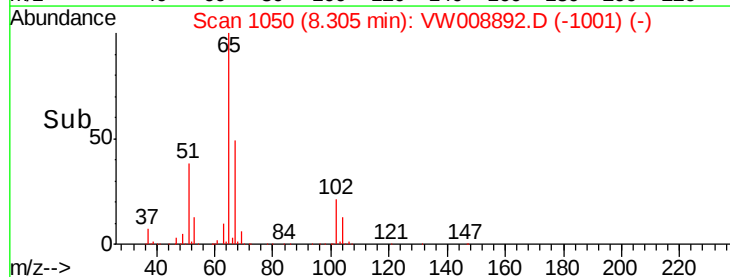
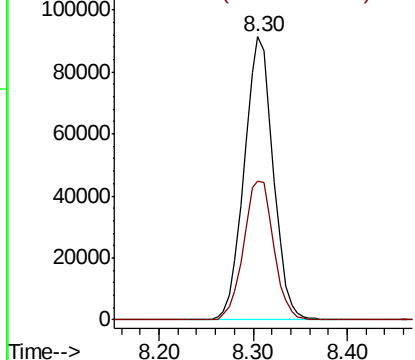


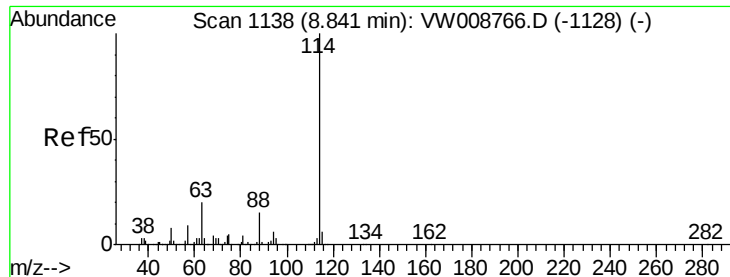
#33
1,2-Dichloroethane-d4
Concen: 57.837 ug/l
RT: 8.30 min Scan# 1050
Delta R.T. -0.00 min
Lab File: VW008892.D
Acq: 28 Feb 2019 17:23

Tgt Ion: 65 Resp: 197001
Ion Ratio Lower Upper
65 100
67 50.7 0.0 101.4



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

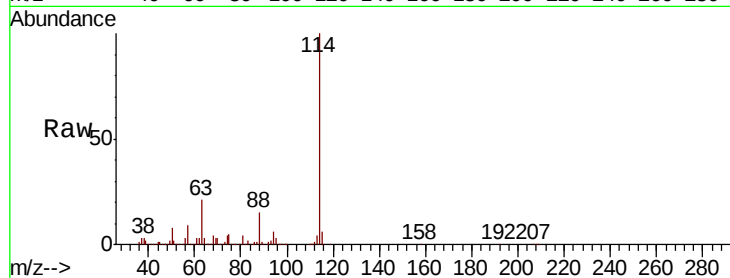




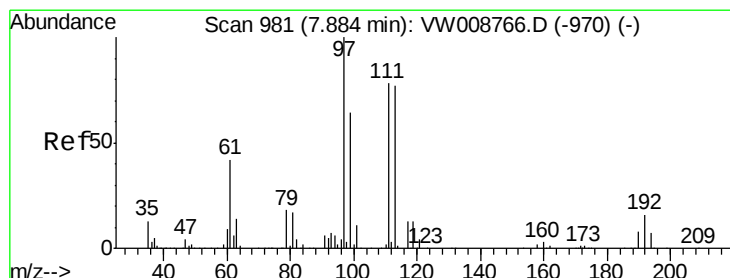
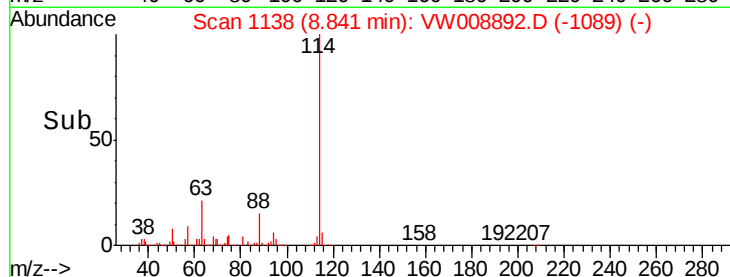
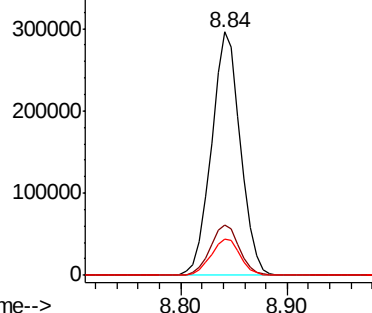
#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.84 min Scan# 1138
Delta R.T. -0.00 min
Lab File: VW008892.D
Acq: 28 Feb 2019 17:23

Instrument :
MSVOA_W
ClientSampleId :
B-7(9-10)

Tot Ion	Ratio	Lower	Upper
114	100		
63	20.6	0.0	40.8
88	14.6	0.0	30.4

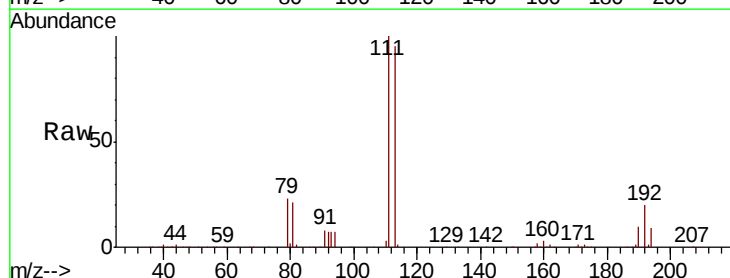


Abundance Ion 113.90 (113.60 to 114.60): V
Ion 63.00 (62.70 to 63.70): VW
Ion 87.90 (87.60 to 88.60): VW

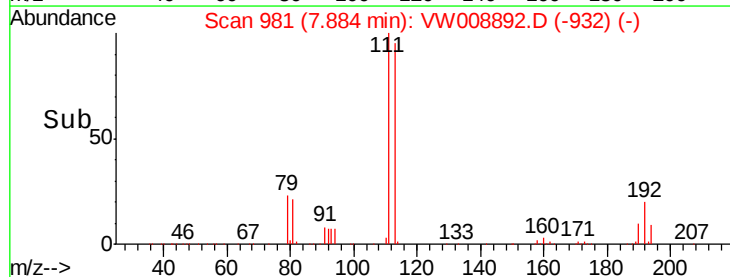
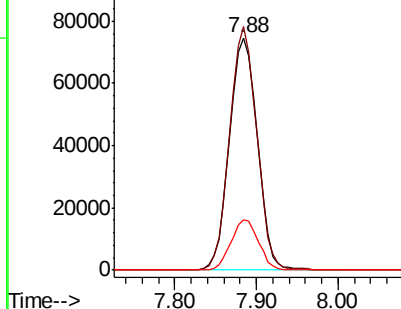


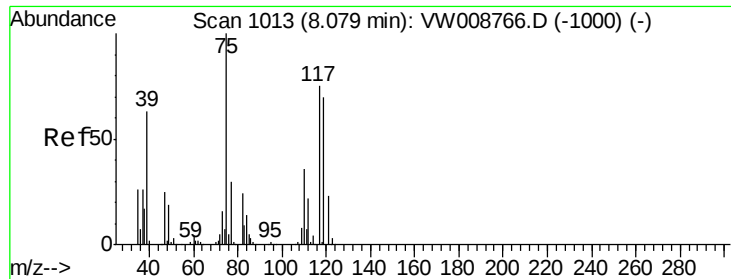
#35
Dibromofluoromethane
Concen: 52.116 ug/l
RT: 7.88 min Scan# 981
Delta R.T. -0.00 min
Lab File: VW008892.D
Acq: 28 Feb 2019 17:23

Tgt Ion	Ratio	Lower	Upper
113	100		
111	101.5	81.9	122.9
192	21.3	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: 5.144 ug/l

RT: 7.95 min Scan# 992

Delta R.T. -0.13 min

Lab File: VW008892.D

Acq: 28 Feb 2019 17:23

Instrument :

MSVOA_W

ClientSampleId :

B-7(9-10)

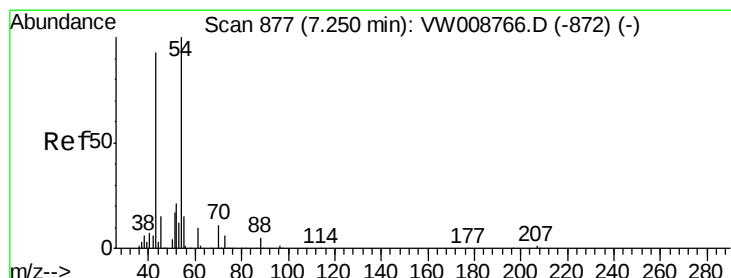
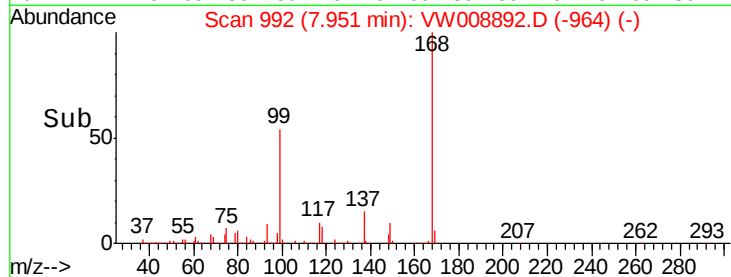
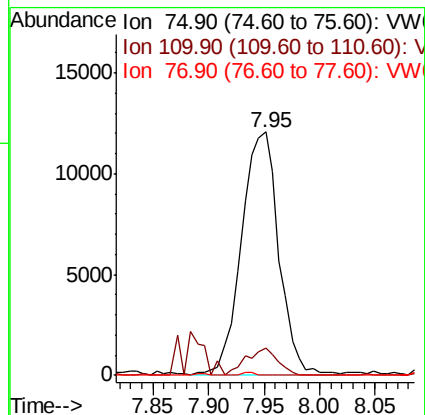
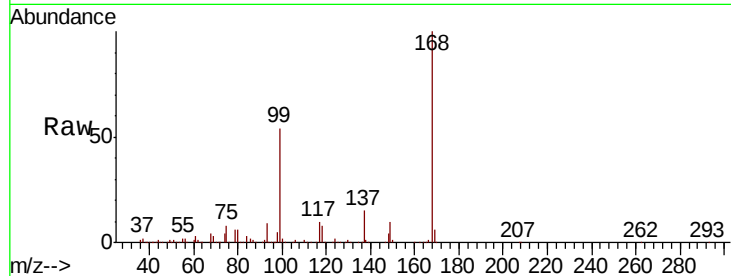
Tot Ion: 75 Resp: 28223

Ion Ratio Lower Upper

75 100

110 9.6 17.5 52.6#

77 0.3 24.5 36.7#



#37

Ethyl Acetate

Concen: 2.950 ug/l

RT: 7.15 min Scan# 861

Delta R.T. -0.10 min

Lab File: VW008892.D

Acq: 28 Feb 2019 17:23

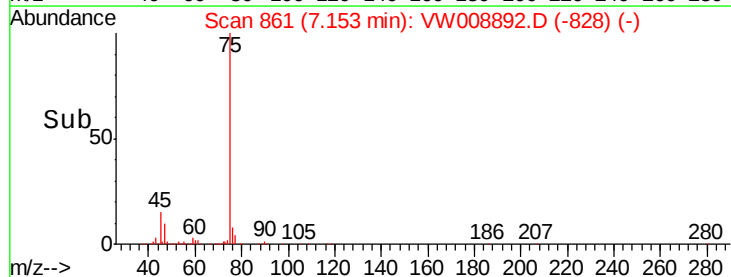
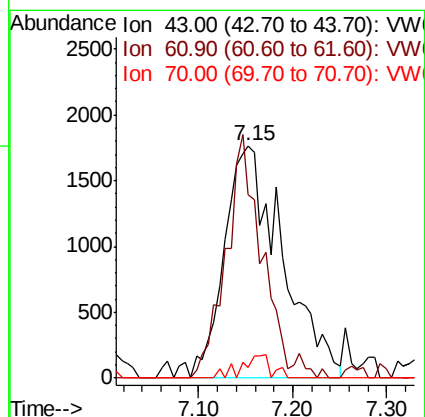
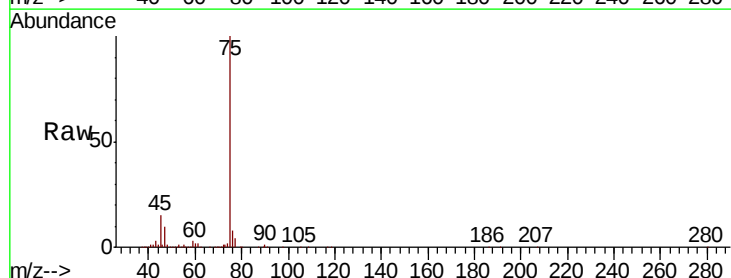
Tgt Ion: 43 Resp: 7527

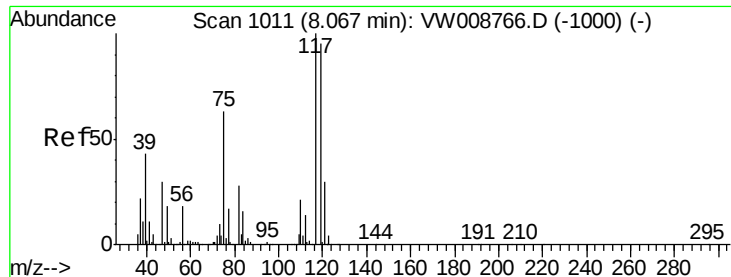
Ion Ratio Lower Upper

43 100

61 64.1 9.8 14.8#

70 0.0 8.4 12.6#





#38

Carbon Tetrachloride

Concen: 5.868 ug/l

RT: 7.95 min Scan# 992

Delta R.T. -0.12 min

Lab File: VW008892.D

Acq: 28 Feb 2019 17:23

Instrument :

MSVOA_W

ClientSampleId :

B-7(9-10)

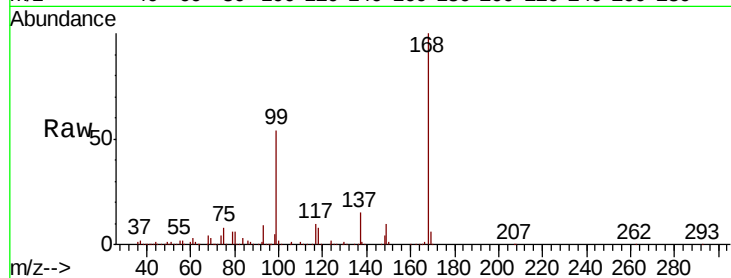
Tot Ion:117 Resp: 33955

Ion Ratio Lower Upper

117 100

119 4.9 76.1 114.1#

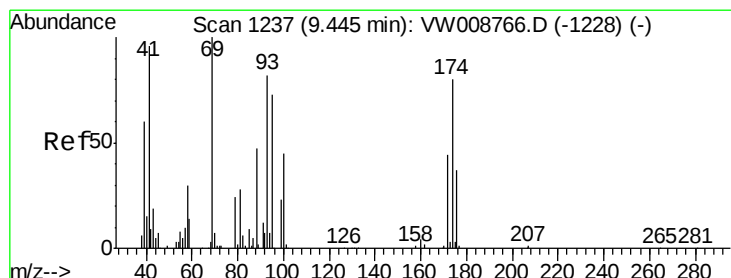
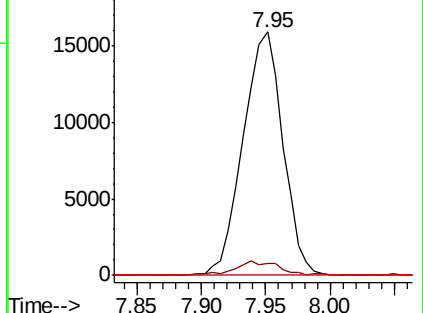
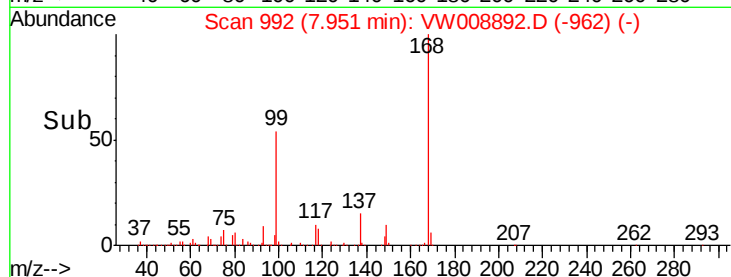
121 0.0 24.0 36.0#



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: 1.274 ug/l

RT: 9.48 min Scan# 1242

Delta R.T. 0.03 min

Lab File: VW008892.D

Acq: 28 Feb 2019 17:23

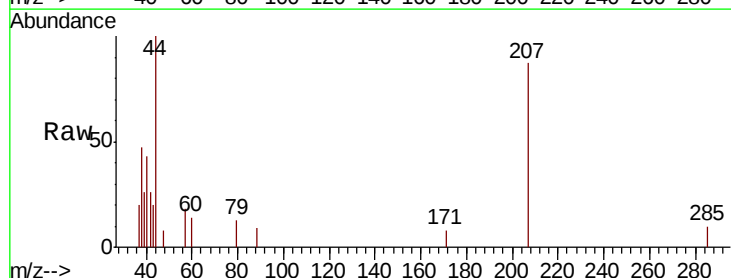
Tgt Ion: 88 Resp: 42

Ion Ratio Lower Upper

88 100

43 561.9 29.0 43.4#

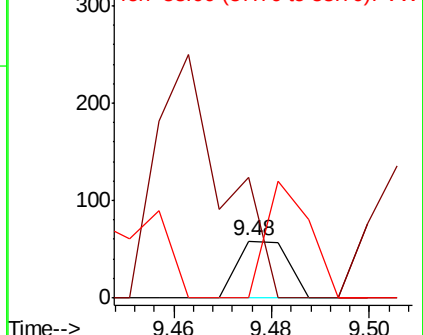
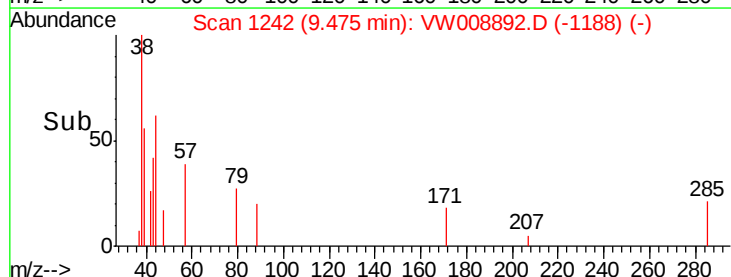
58 173.8 52.0 78.0#

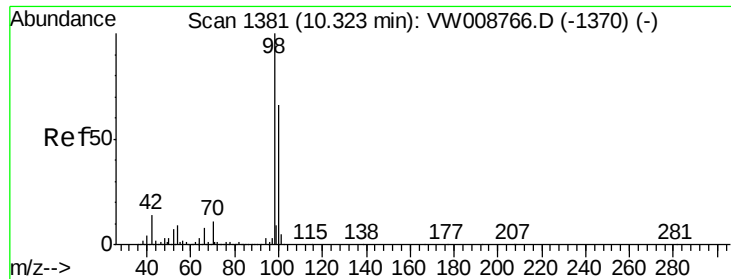


Abundance Ion 88.00 (87.70 to 88.70): VW

Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW





#50

Toluene-d8

Concen: 50.897 ug/l

RT: 10.32 min Scan# 1381

Delta R.T. -0.00 min

Lab File: VW008892.D

Acq: 28 Feb 2019 17:23

Instrument :

MSVOA_W

ClientSampleId :

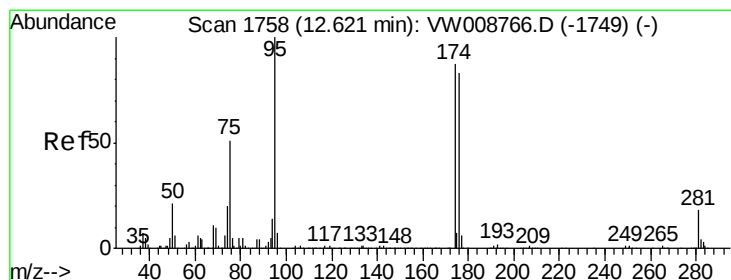
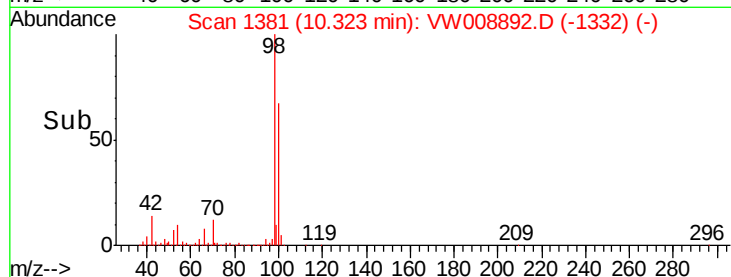
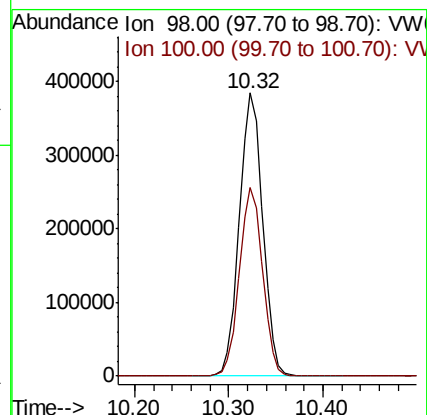
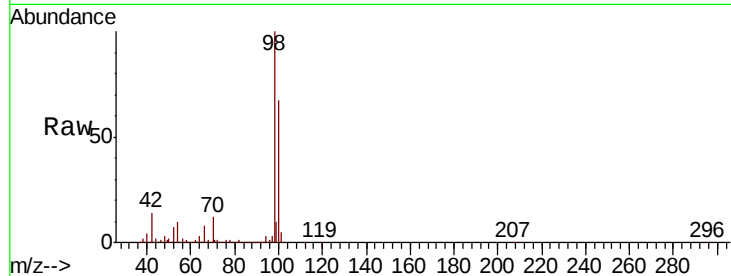
B-7(9-10)

Tot Ion: 98 Resp: 664932

Ion Ratio Lower Upper

98 100

100 66.3 52.4 78.6



#62

4-Bromofluorobenzene

Concen: 44.046 ug/l

RT: 12.62 min Scan# 1758

Delta R.T. -0.00 min

Lab File: VW008892.D

Acq: 28 Feb 2019 17:23

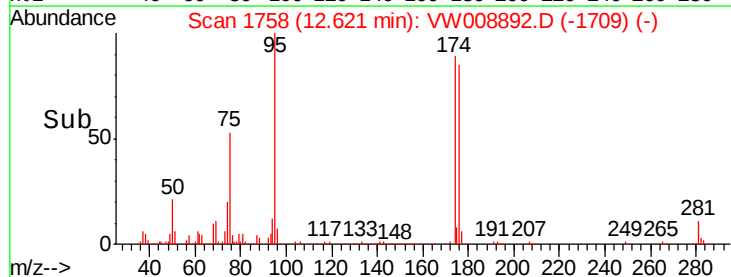
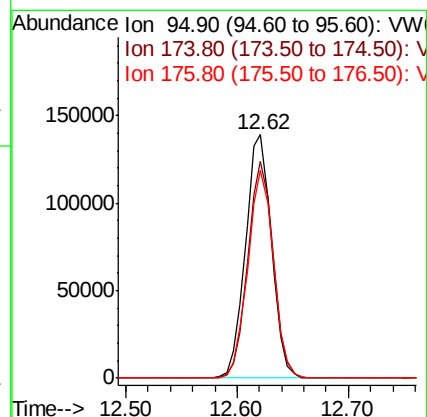
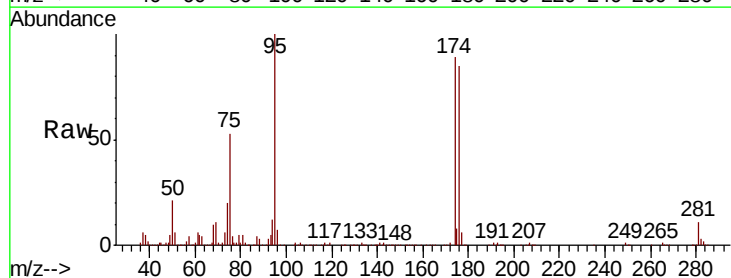
Tgt Ion: 95 Resp: 225306

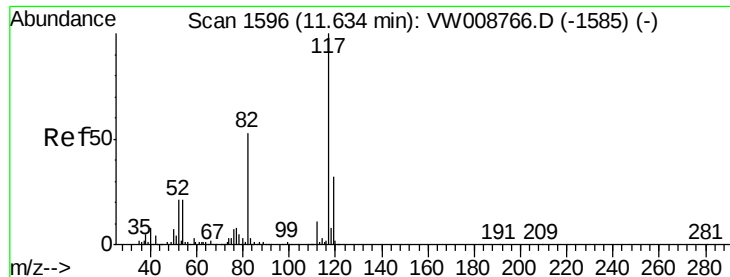
Ion Ratio Lower Upper

95 100

174 87.4 0.0 169.2

176 84.7 0.0 163.6

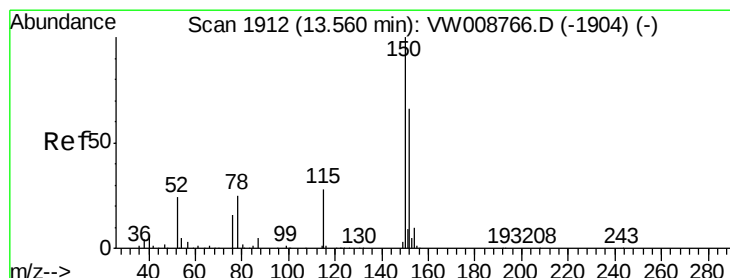
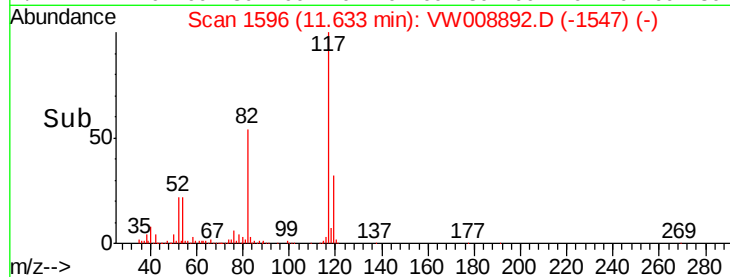
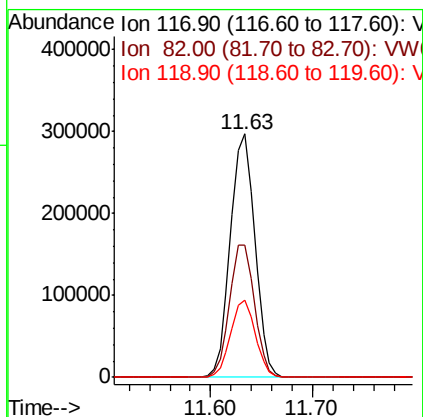
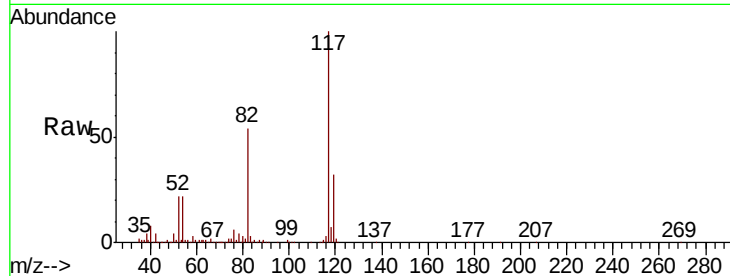




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1596
Delta R.T. -0.00 min
Lab File: VW008892.D
Acq: 28 Feb 2019 17:23

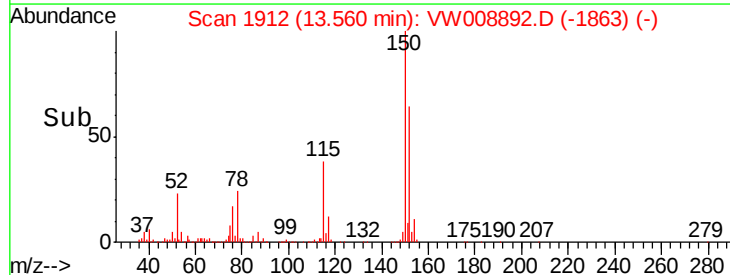
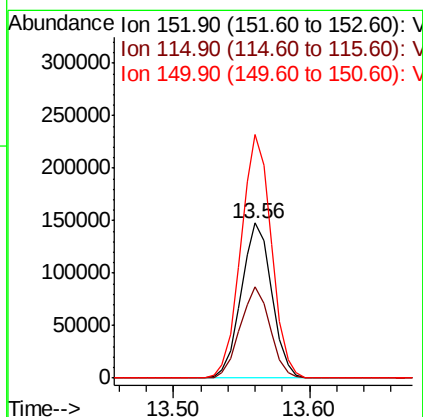
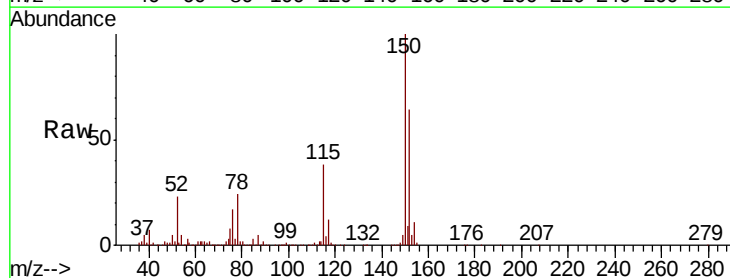
Instrument :
MSVOA_W
ClientSampleId :
B-7(9-10)

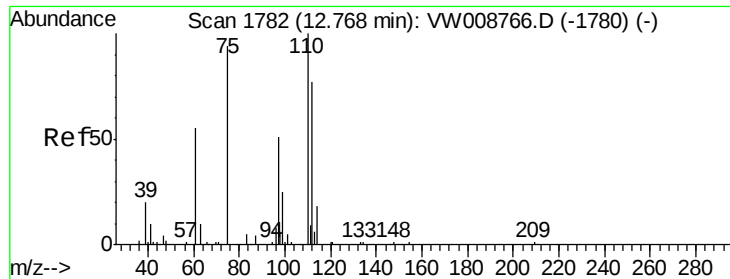
Tot Ion	Ratio	Lower	Upper
117	100		
82	54.3	42.2	63.4
119	31.6	25.9	38.9



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.56 min Scan# 1912
Delta R.T. -0.00 min
Lab File: VW008892.D
Acq: 28 Feb 2019 17:23

Tgt Ion	Ratio	Lower	Upper
152	100		
115	57.6	28.6	85.8
150	156.4	0.0	348.0





#76

1,2,3-Trichloropropane

Concen: 62.073 ug/l

RT: 12.62 min Scan# 1758

Delta R.T. -0.15 min

Lab File: VW008892.D

Acq: 28 Feb 2019 17:23

Instrument :

MSVOA_W

ClientSampled :

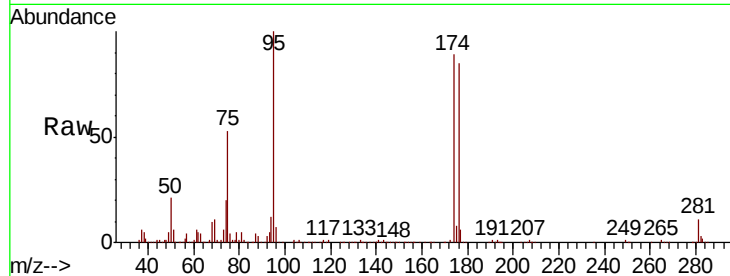
B-7(9-10)

Tot Ion: 75 Resp: 119006

Ion Ratio Lower Upper

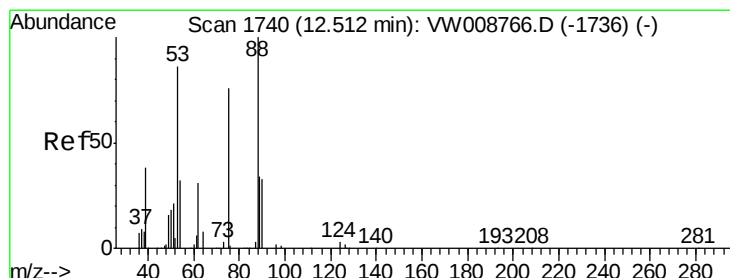
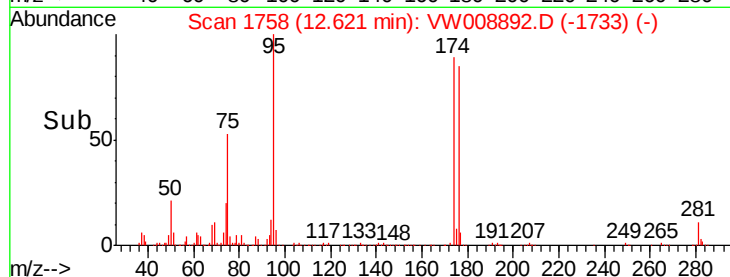
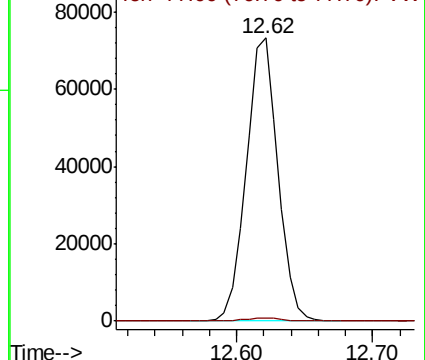
75 100

77 1.4 0.0 0.0#



Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 77.00 (76.70 to 77.70): VW



#81

trans-1,4-Dichloro-2-butene

Concen: 150.904 ug/l

RT: 12.62 min Scan# 1758

Delta R.T. 0.11 min

Lab File: VW008892.D

Acq: 28 Feb 2019 17:23

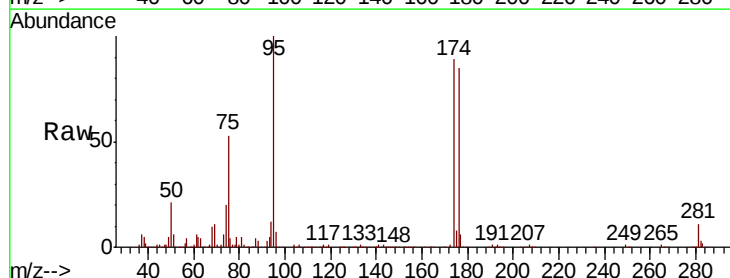
Tgt Ion: 75 Resp: 119006

Ion Ratio Lower Upper

75 100

53 0.1 88.2 132.2#

89 0.3 39.5 59.3#



Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 53.00 (52.70 to 53.70): VW

Ion 88.90 (88.60 to 89.60): VW

