

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW022619\
 Data File : VW008841.D
 Acq On : 26 Feb 2019 19:58
 Operator : SY/VA
 Sample : K1594-34
 Misc : 6.81G/5ML/MSVOA W/SOIL
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 B-6(9-10)

Quant Time: Feb 27 06:02:06 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	363303	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	559623	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	493965	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	231895	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	186744	54.80	ug/l	0.00
Spiked Amount			Recovery	=	109.60%	
35) Dibromofluoromethane	7.88	113	167275	49.78	ug/l	0.00
Spiked Amount			Recovery	=	99.56%	
50) Toluene-d8	10.32	98	668756	51.56	ug/l	0.00
Spiked Amount			Recovery	=	103.12%	
62) 4-Bromofluorobenzene	12.62	95	229674	45.22	ug/l	0.00
Spiked Amount			Recovery	=	90.44%	

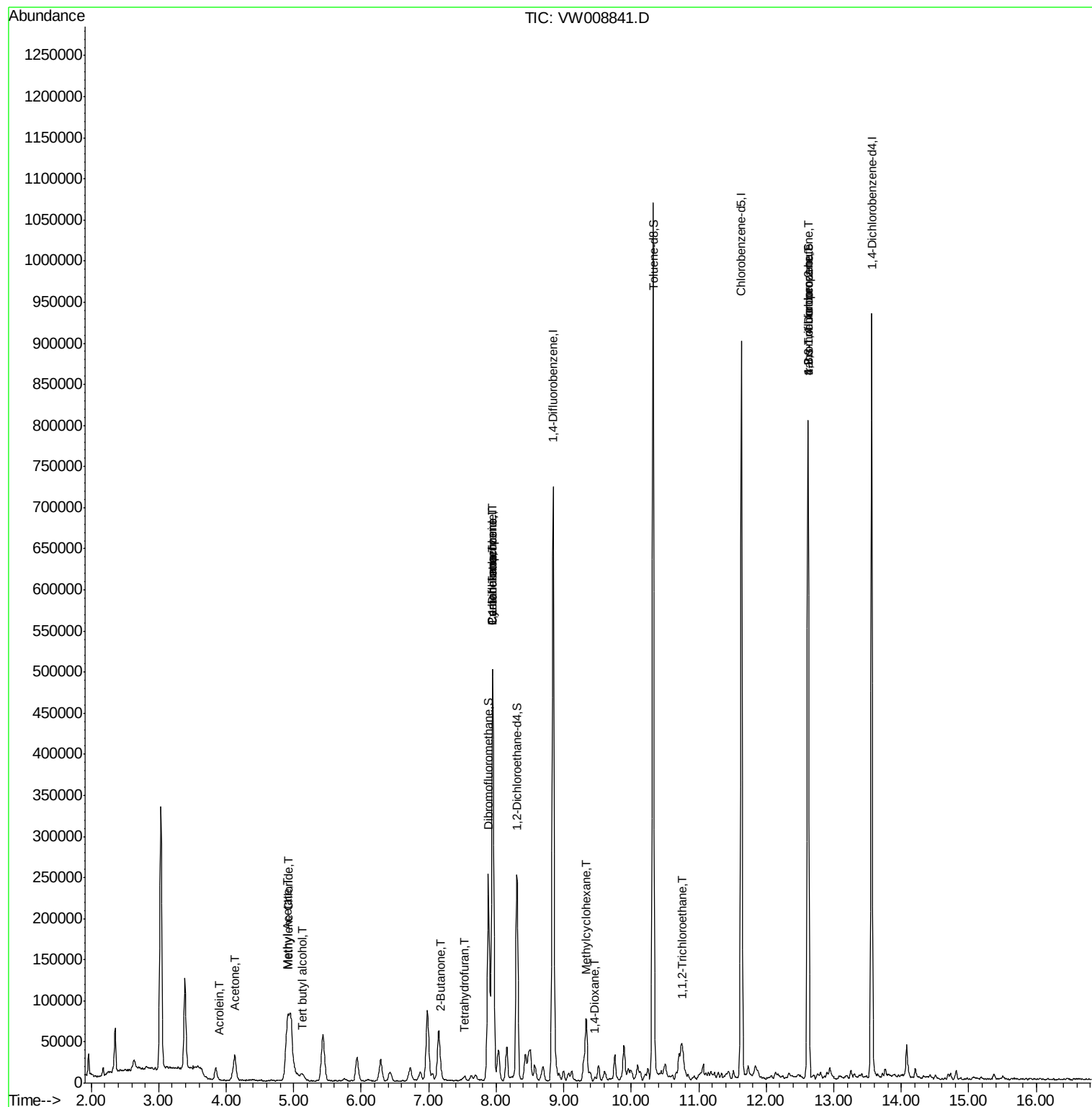
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
11) Tert butyl alcohol	5.13	59	9125	30.080	ug/l #	70
13) Acrolein	3.90	56	210	20.384	ug/l #	14
16) Acetone	4.13	43	53066	67.187	ug/l	98
18) Methyl Acetate	4.90	43	26230	14.001	ug/l #	51
20) Methylene Chloride	4.92	84	39266	5.550	ug/l	94
25) 2-Butanone	7.18	43	3850	3.487	ug/l	90
29) Tetrahydrofuran	7.52	42	1234	1.754	ug/l #	53
31) Cyclohexane	7.95	56	24983	3.889	ug/l #	60
36) 1,1-Dichloropropene	7.95	75	27485	5.045	ug/l #	52
38) Carbon Tetrachloride	7.95	117	35340	6.151	ug/l #	15
39) Methylcyclohexane	9.33	83	26558	3.909	ug/l	97
49) 1,4-Dioxane	9.45	88	88	2.688	ug/l #	1
55) 1,1,2-Trichloroethane	10.76	97	6261	2.258	ug/l #	26
76) 1,2,3-Trichloropropane	12.62	75	122621	64.045	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.62	75	122621	155.699	ug/l #	6

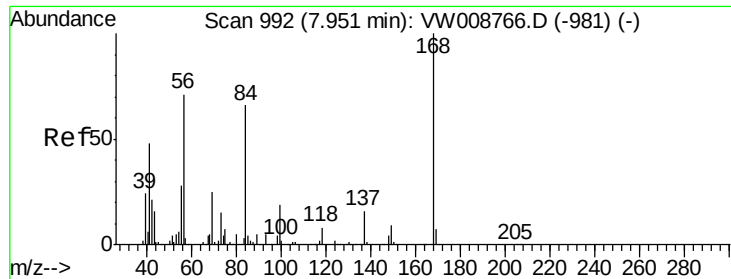
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.95 min Scan# 992

Delta R.T. 0.00 min

Lab File: VW008841.D

Acq: 26 Feb 2019 19:58

Instrument :

MSVOA_W

ClientSampleId :

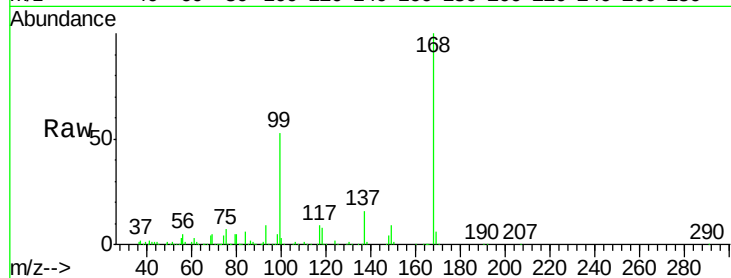
B-6(9-10)

Tot Ion:168 Resp: 363303

Ion Ratio Lower Upper

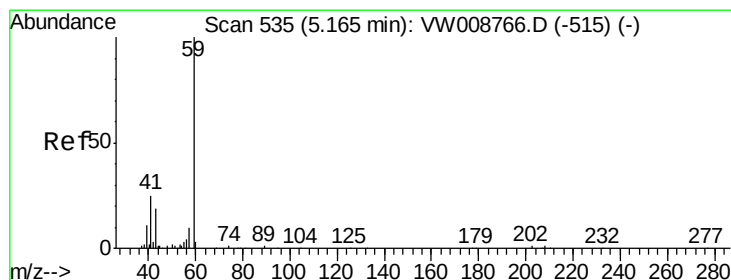
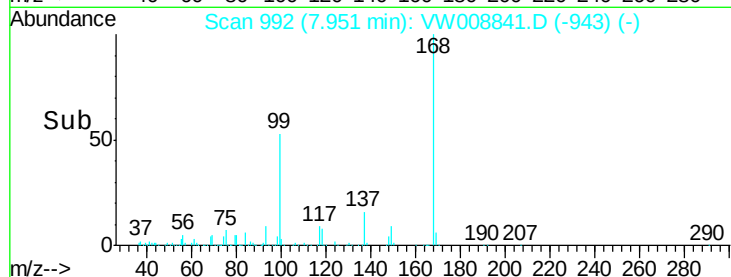
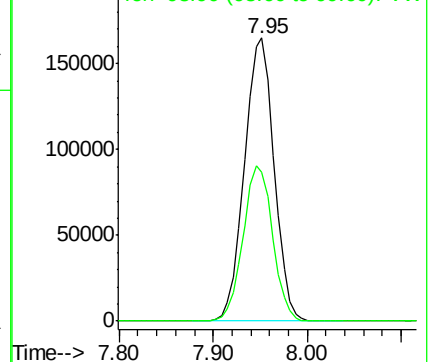
168 100

99 52.8 42.2 63.2



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW



#11

Tert butyl alcohol

Concen: 30.080 ug/l

RT: 5.13 min Scan# 529

Delta R.T. -0.04 min

Lab File: VW008841.D

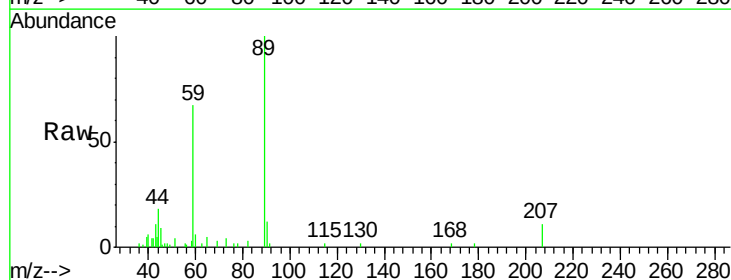
Acq: 26 Feb 2019 19:58

Tgt Ion: 59 Resp: 9125

Ion Ratio Lower Upper

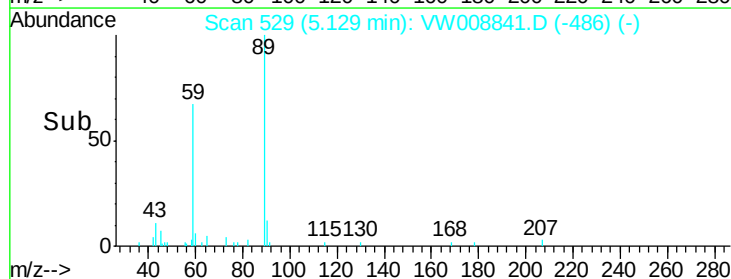
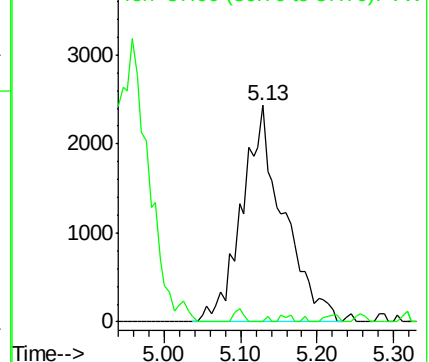
59 100

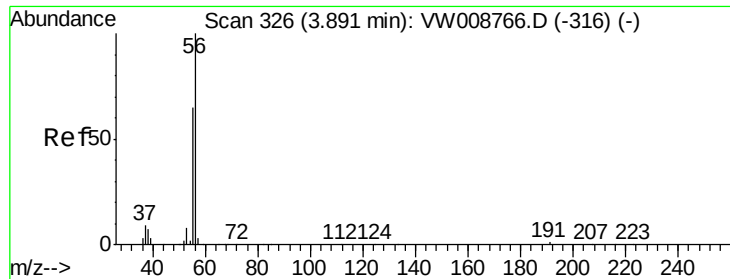
57 0.0 9.3 13.9#



Abundance Ion 59.00 (58.70 to 59.70): VW

Ion 57.00 (56.70 to 57.70): VW





#13

Acrolein

Concen: 20.384 ug/l

RT: 3.90 min Scan# 328

Delta R.T. 0.01 min

Lab File: VW008841.D

Acq: 26 Feb 2019 19:58

Instrument :

MSVOA_W

ClientSampleId :

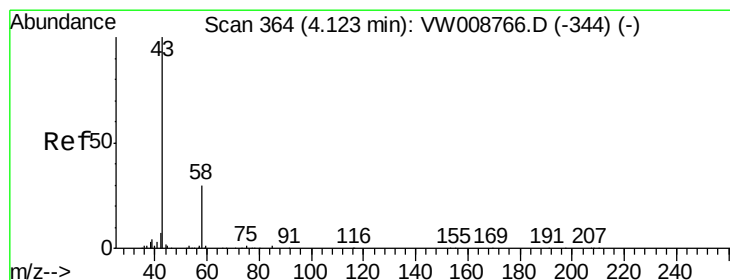
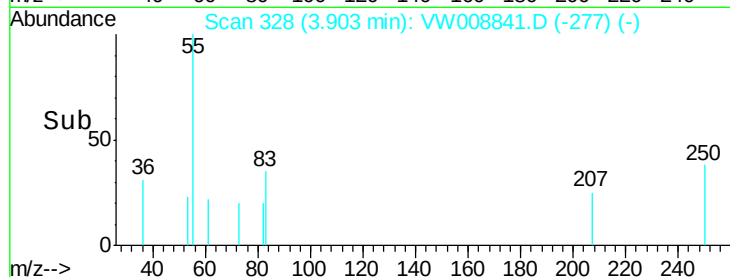
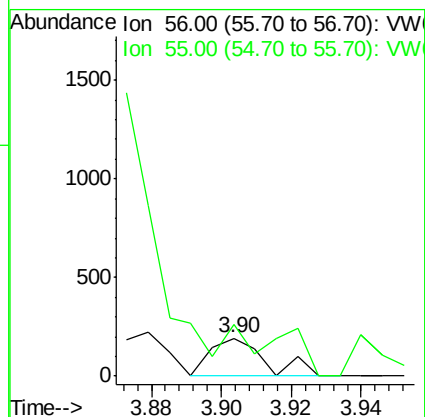
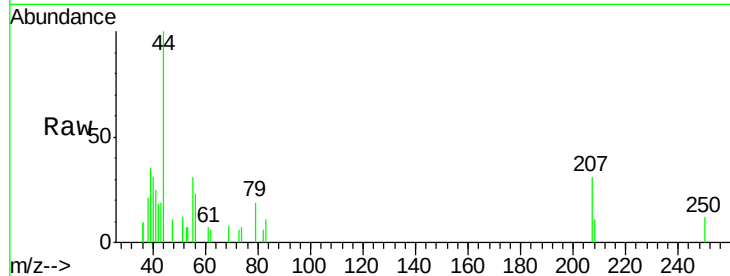
B-6(9-10)

Tot Ion: 56 Resp: 210

Ion Ratio Lower Upper

56 100

55 0.0 56.9 85.3#



#16

Acetone

Concen: 67.187 ug/l

RT: 4.13 min Scan# 365

Delta R.T. 0.01 min

Lab File: VW008841.D

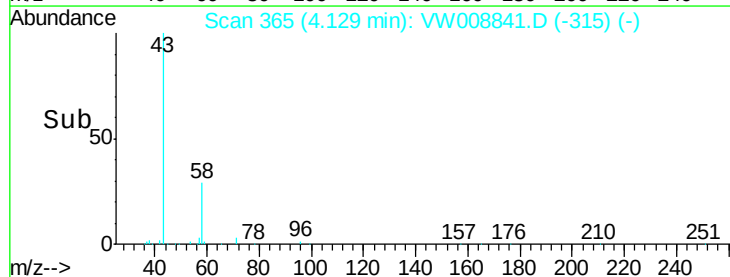
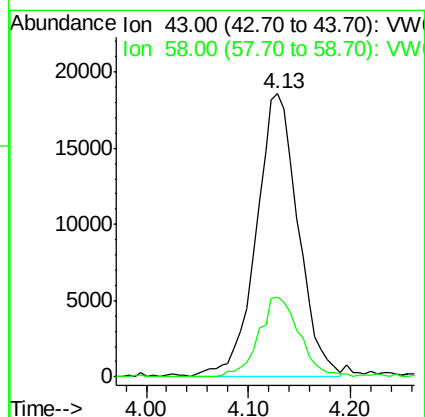
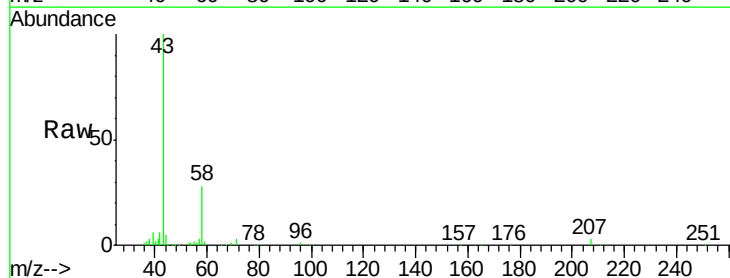
Acq: 26 Feb 2019 19:58

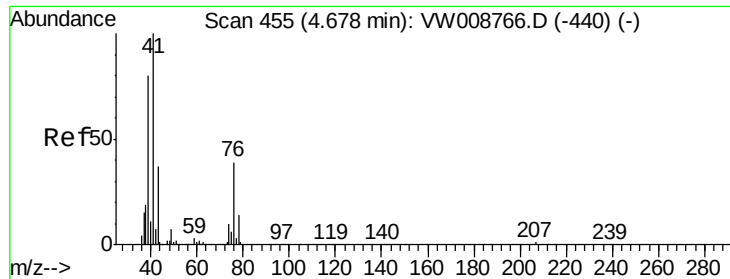
Tgt Ion: 43 Resp: 53066

Ion Ratio Lower Upper

43 100

58 28.4 23.8 35.6

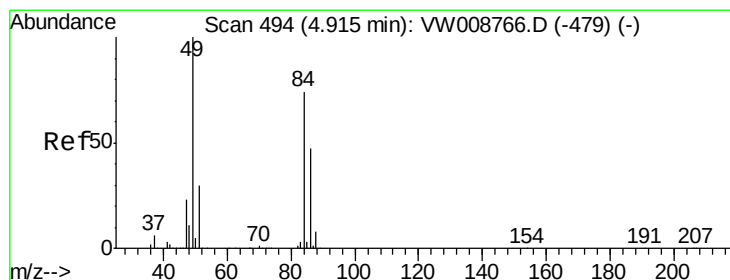
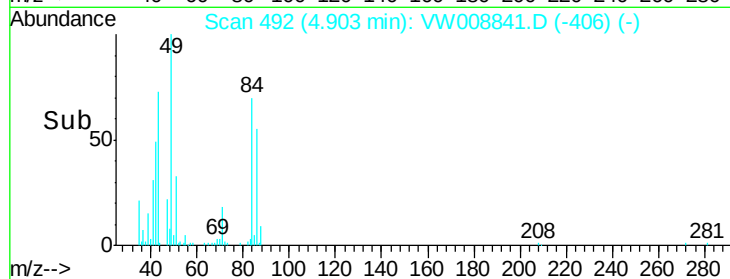
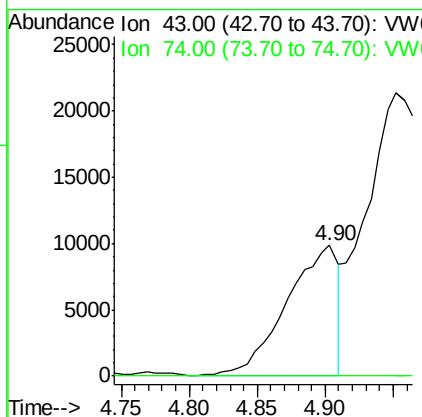
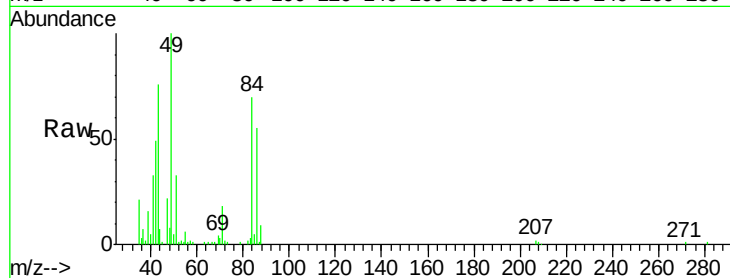




#18
Methyl Acetate
Concen: 14.001 ug/l
RT: 4.90 min Scan# 492
Delta R.T. 0.23 min
Lab File: VW008841.D
Acq: 26 Feb 2019 19:58

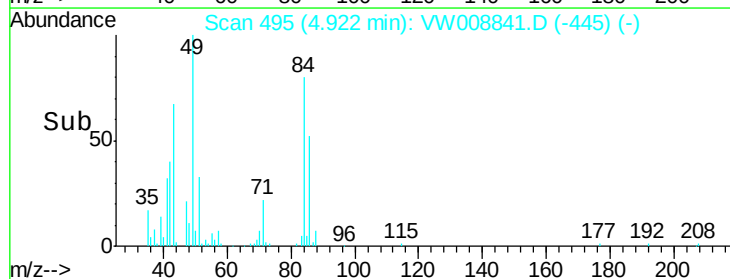
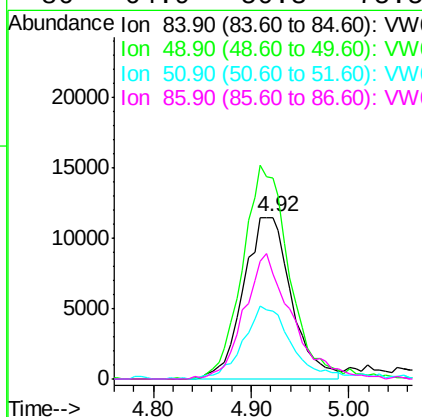
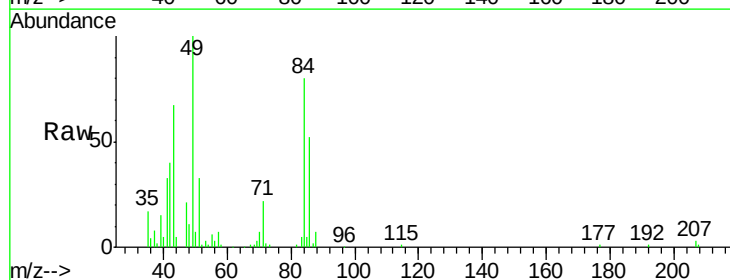
Instrument :
MSVOA_W
ClientSampled :
B-6(9-10)

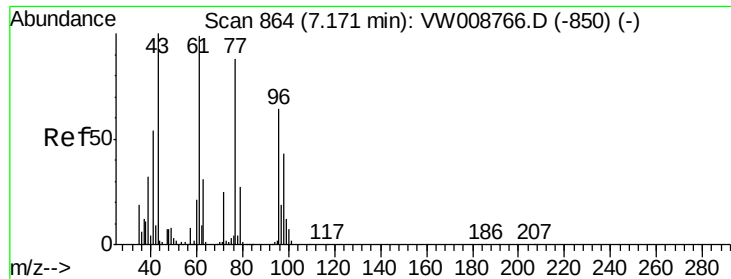
Tot Ion: 43 Resp: 26230
Ion Ratio Lower Upper
43 100
74 0.1 19.4 29.2#



#20
Methylene Chloride
Concen: 5.550 ug/l
RT: 4.92 min Scan# 495
Delta R.T. 0.01 min
Lab File: VW008841.D
Acq: 26 Feb 2019 19:58

Tgt Ion: 84 Resp: 39266
Ion Ratio Lower Upper
84 100
49 124.6 108.2 162.2
51 41.6 32.7 49.1
86 64.9 50.3 75.5





#25

2-Butanone

Concen: 3.487 ug/l

RT: 7.18 min Scan# 865

Delta R.T. 0.01 min

Lab File: VW008841.D

Acq: 26 Feb 2019 19:58

Instrument :

MSVOA_W

ClientSampled :

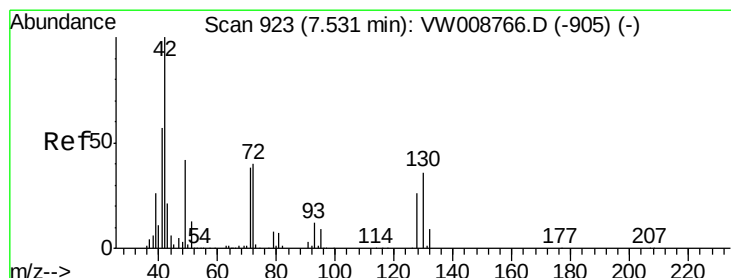
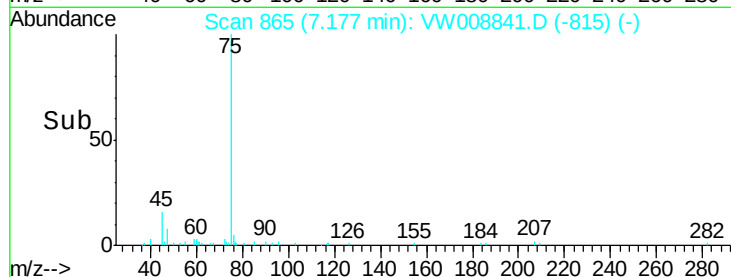
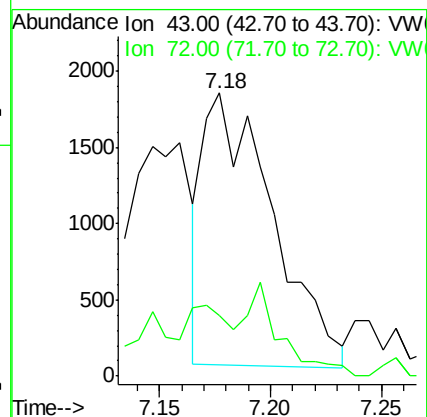
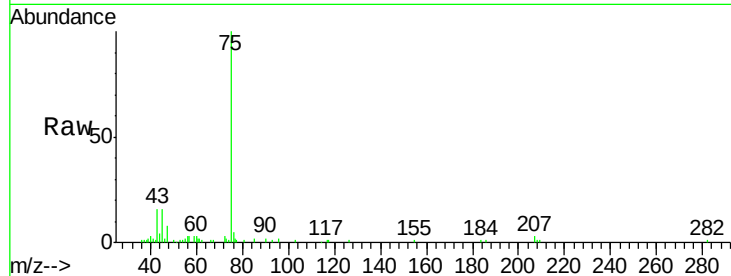
B-6(9-10)

Tot Ion: 43 Resp: 3850

Ion Ratio Lower Upper

43 100

72 19.8 19.7 29.5



#29

Tetrahydrofuran

Concen: 1.754 ug/l

RT: 7.52 min Scan# 922

Delta R.T. -0.01 min

Lab File: VW008841.D

Acq: 26 Feb 2019 19:58

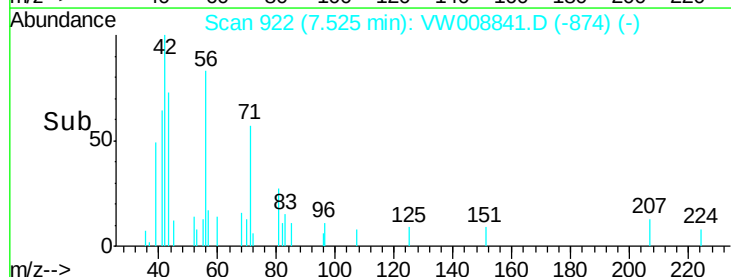
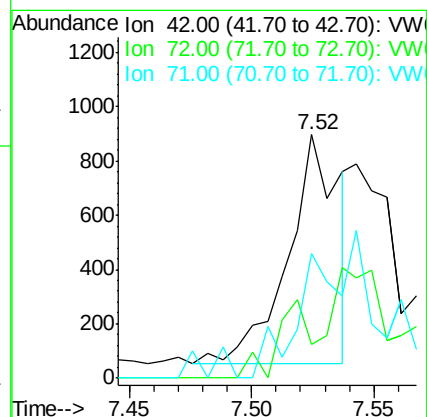
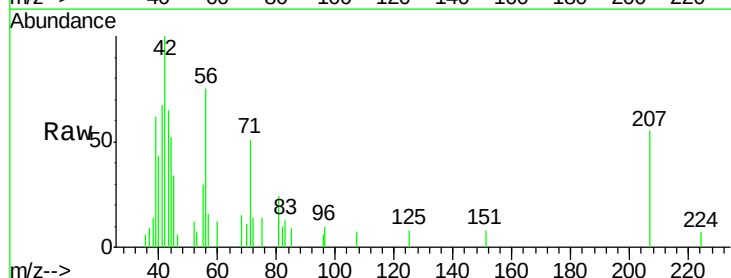
Tgt Ion: 42 Resp: 1234

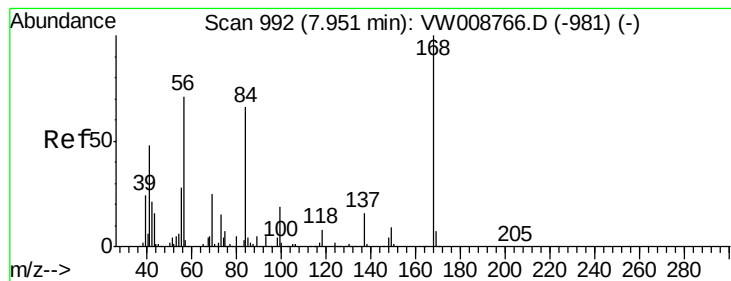
Ion Ratio Lower Upper

42 100

72 21.3 32.7 49.1#

71 0.0 31.3 46.9#





#31

Cyclohexane

Concen: 3.889 ug/l

RT: 7.95 min Scan# 992

Delta R.T. 0.00 min

Lab File: VW008841.D

Acq: 26 Feb 2019 19:58

Instrument :

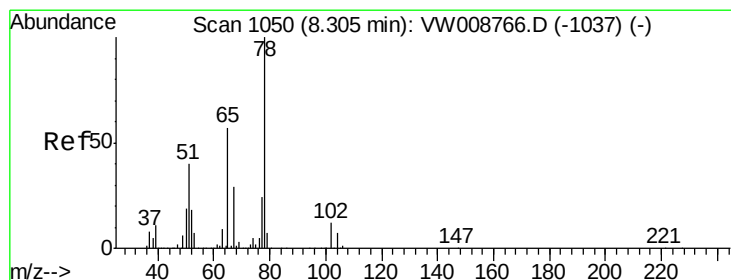
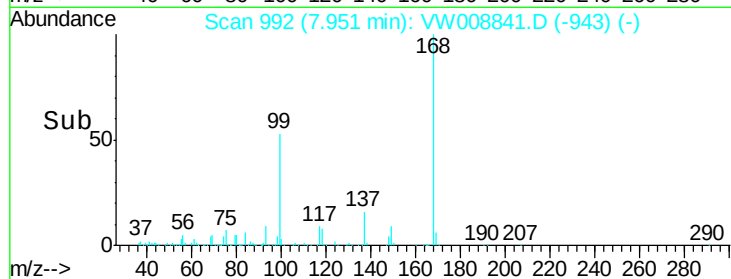
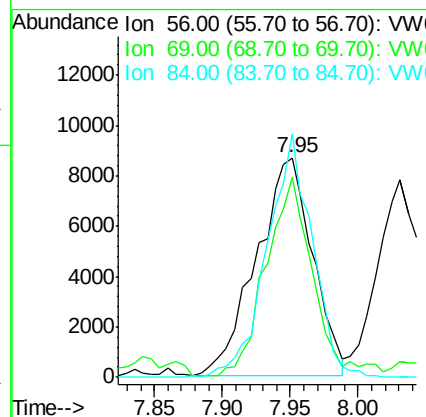
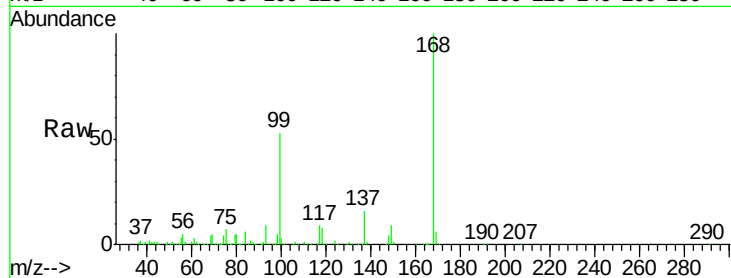
MSVOA_W

ClientSampleId :

B-6(9-10)

Tot Ion: 56 Resp: 24983

Ion	Ratio	Lower	Upper
56	100		
69	90.8	28.2	42.4#
84	110.8	74.1	111.1



#33

1,2-Dichloroethane-d4

Concen: 54.804 ug/l

RT: 8.31 min Scan# 1050

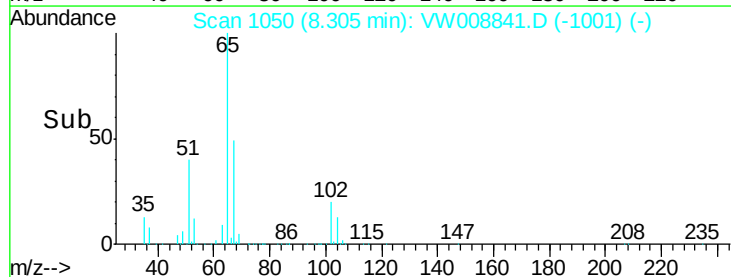
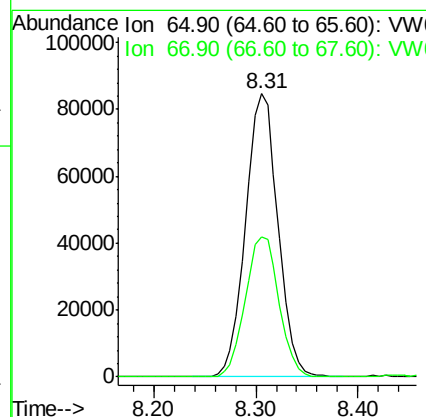
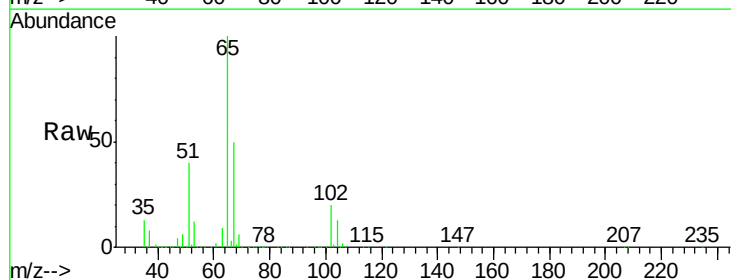
Delta R.T. 0.00 min

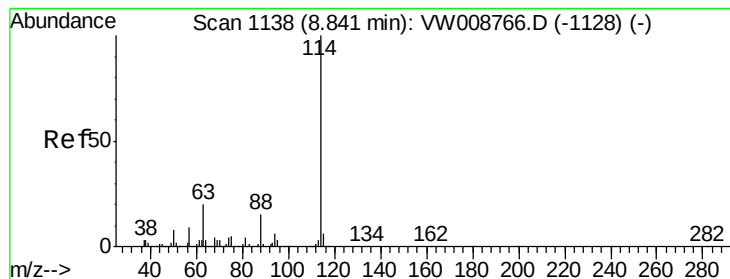
Lab File: VW008841.D

Acq: 26 Feb 2019 19:58

Tgt Ion: 65 Resp: 186744

Ion	Ratio	Lower	Upper
65	100		
67	51.6	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: VW008841.D

Acq: 26 Feb 2019 19:58

Instrument :

MSVOA_W

ClientSampleId :

B-6(9-10)

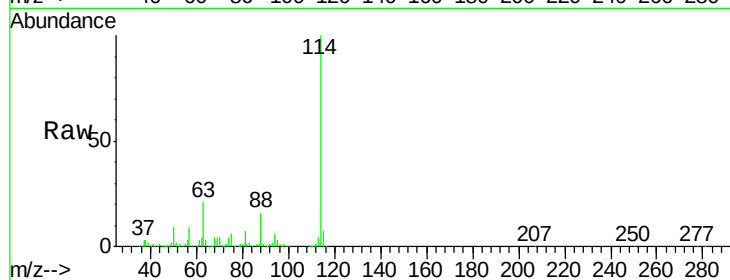
Tot Ion:114 Resp: 559623

Ion Ratio Lower Upper

114 100

63 20.9 0.0 40.8

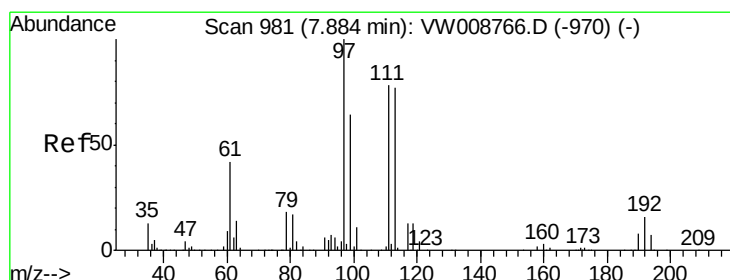
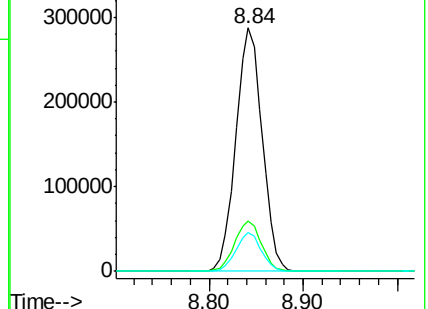
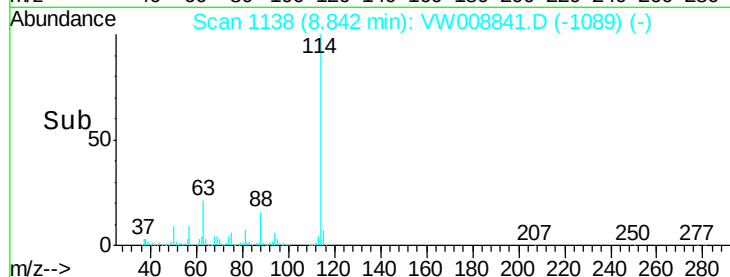
88 15.9 0.0 30.4



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: 49.784 ug/l

RT: 7.88 min Scan# 981

Delta R.T. 0.00 min

Lab File: VW008841.D

Acq: 26 Feb 2019 19:58

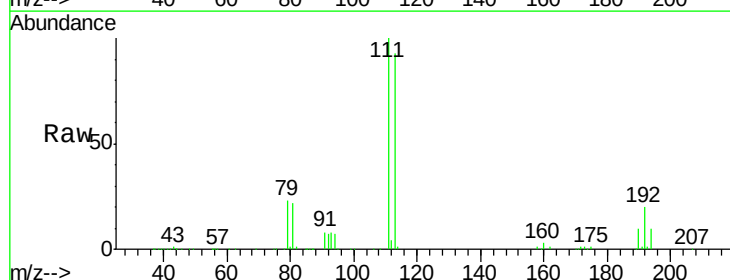
Tgt Ion:113 Resp: 167275

Ion Ratio Lower Upper

113 100

111 103.1 81.9 122.9

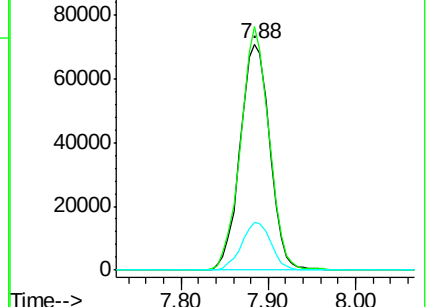
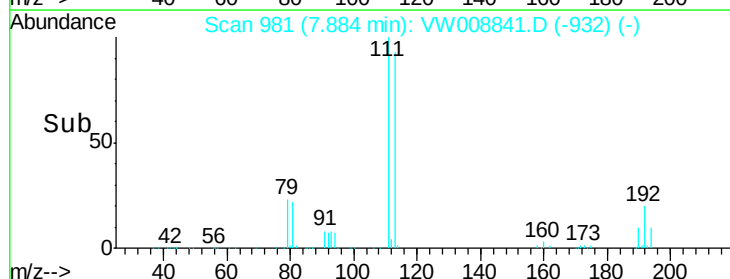
192 21.0 17.1 25.7

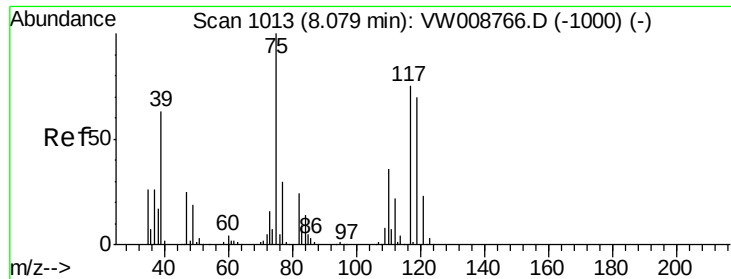


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V

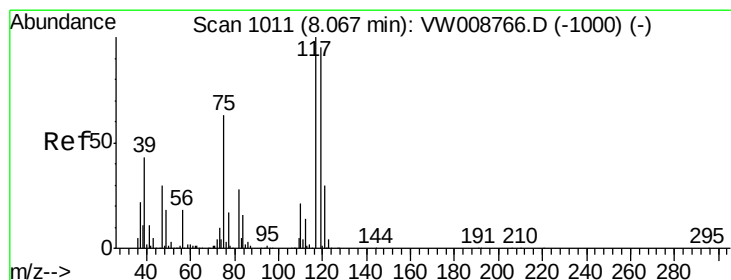
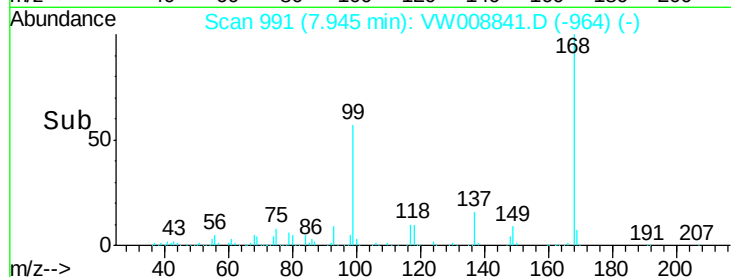
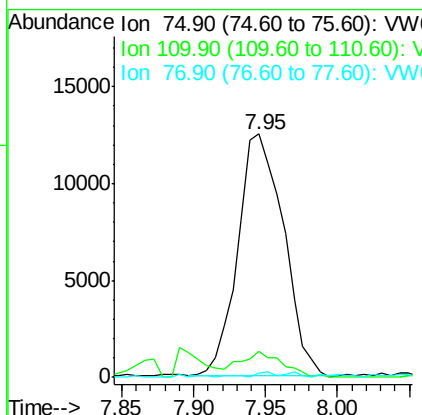
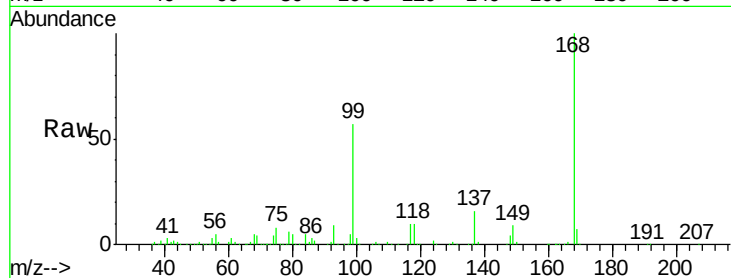




#36
 1,1-Dichloropropene
 Concen: 5.045 ug/l
 RT: 7.95 min Scan# 991
 Delta R.T. -0.13 min
 Lab File: VW008841.D
 Acq: 26 Feb 2019 19:58

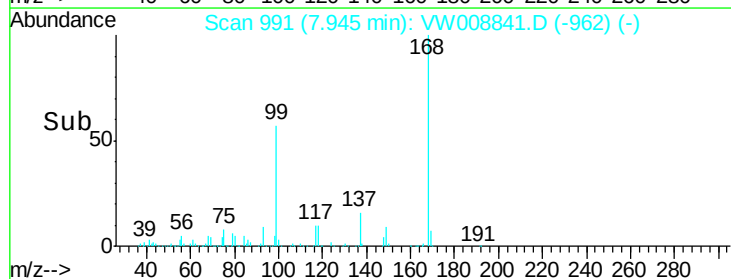
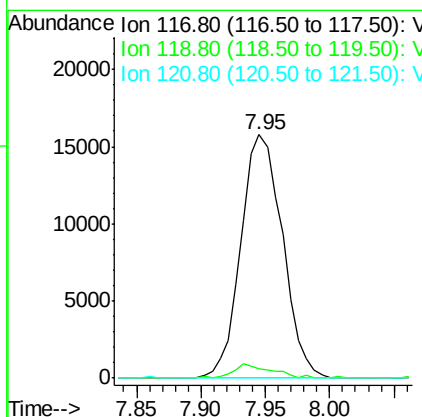
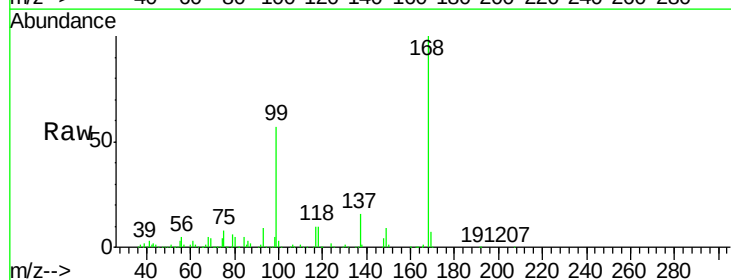
Instrument :
 MSVOA_W
 ClientSampleId :
 B-6(9-10)

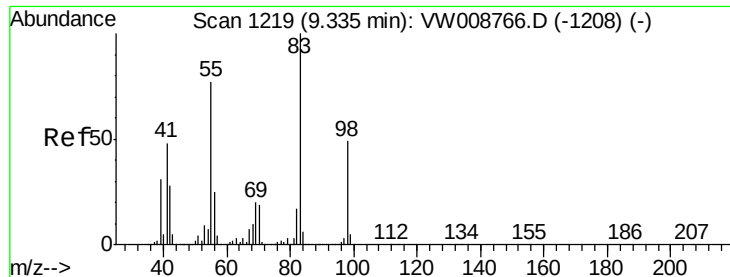
Tot Ion	Ratio	Lower	Upper
75	100		
110	9.9	17.5	52.6#
77	1.0	24.5	36.7#



#38
 Carbon Tetrachloride
 Concen: 6.151 ug/l
 RT: 7.95 min Scan# 991
 Delta R.T. -0.12 min
 Lab File: VW008841.D
 Acq: 26 Feb 2019 19:58

Tgt Ion	Ratio	Lower	Upper
117	100		
119	3.8	76.1	114.1#
121	0.0	24.0	36.0#

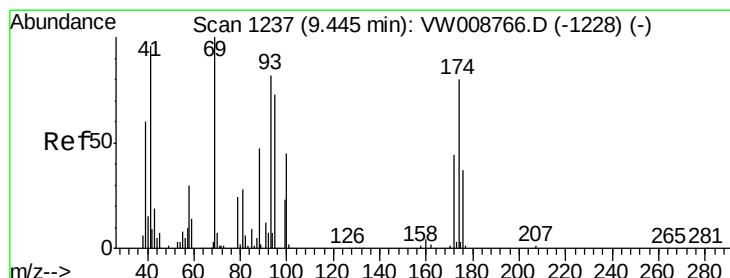
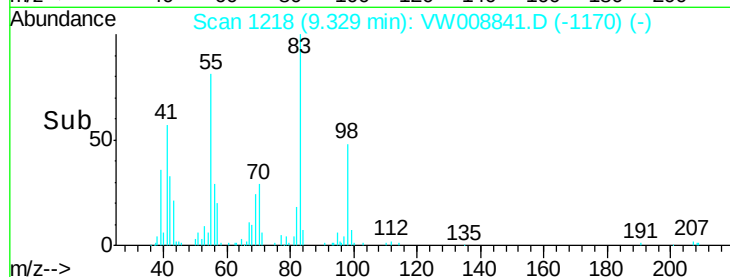
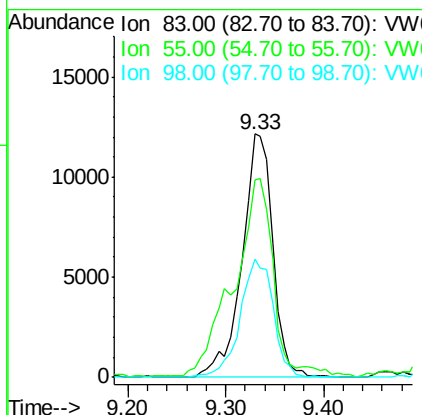
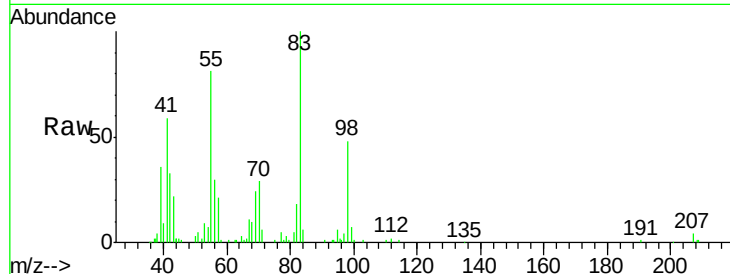




#39
Methylcyclohexane
Concen: 3.909 ug/l
RT: 9.33 min Scan# 1218
Delta R.T. -0.01 min
Lab File: VW008841.D
Acq: 26 Feb 2019 19:58

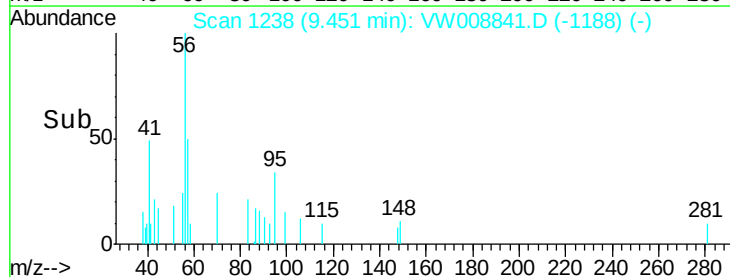
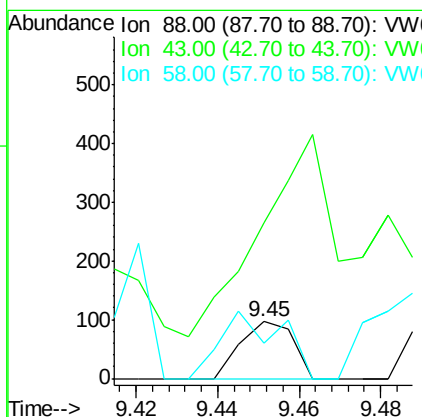
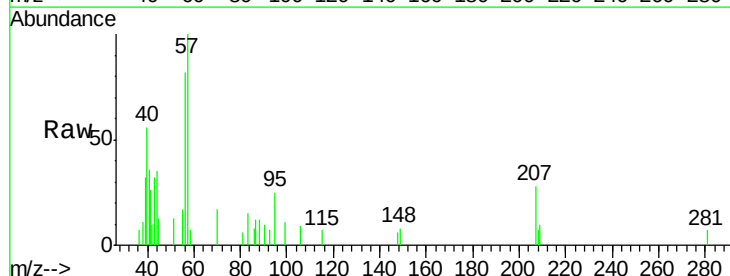
Instrument :
MSVOA_W
ClientSampleId :
B-6(9-10)

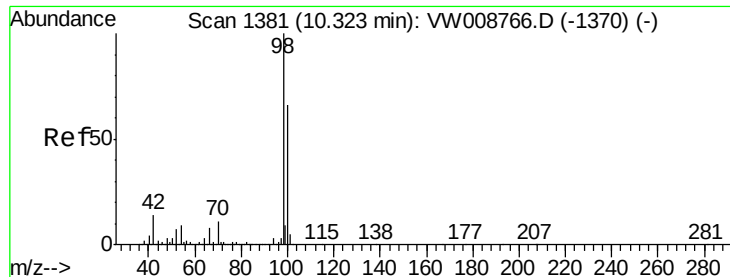
Tot Ion	83	Resp	26558
Ion	Ratio	Lower	Upper
83	100		
55	79.5	61.2	91.8
98	48.3	39.4	59.2



#49
1,4-Dioxane
Concen: 2.688 ug/l
RT: 9.45 min Scan# 1238
Delta R.T. 0.01 min
Lab File: VW008841.D
Acq: 26 Feb 2019 19:58

Tgt Ion	88	Resp	88
Ion	Ratio	Lower	Upper
88	100		
43	535.2	29.0	43.4#
58	135.2	52.0	78.0#





#50

Toluene-d8

Concen: 51.559 ug/l

RT: 10.32 min Scan# 1381

Delta R.T. 0.00 min

Lab File: VW008841.D

Acq: 26 Feb 2019 19:58

Instrument :

MSVOA_W

ClientSampleId :

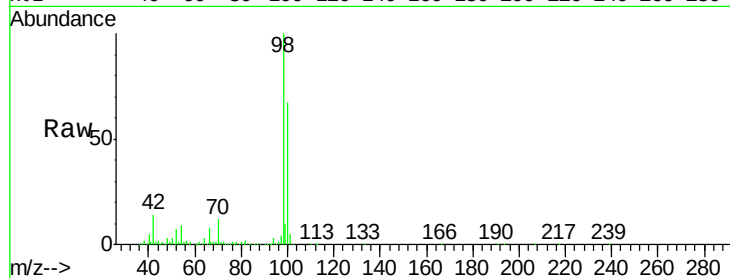
B-6(9-10)

Tot Ion: 98 Resp: 668756

Ion Ratio Lower Upper

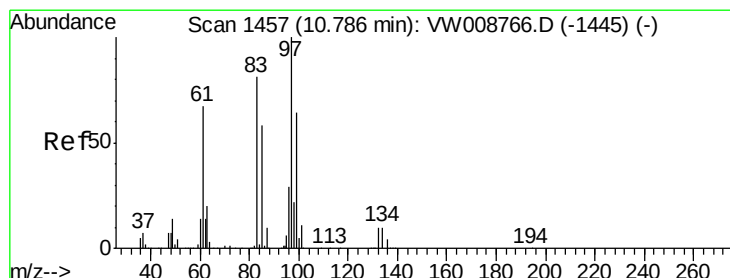
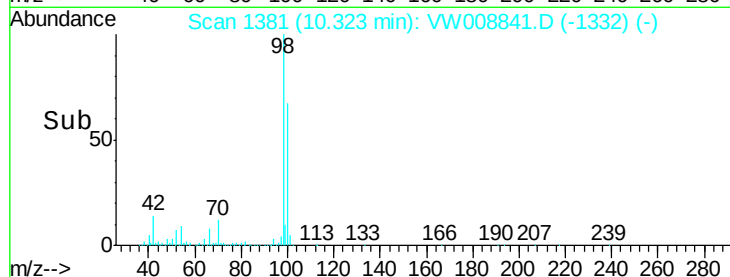
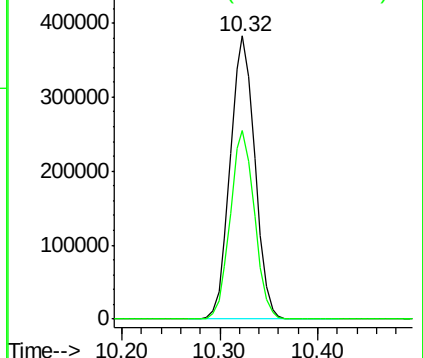
98 100

100 65.5 52.4 78.6



Abundance Ion 98.00 (97.70 to 98.70): VW

Ion 100.00 (99.70 to 100.70): VW



#55

1,1,2-Trichloroethane

Concen: 2.258 ug/l

RT: 10.76 min Scan# 1452

Delta R.T. -0.03 min

Lab File: VW008841.D

Acq: 26 Feb 2019 19:58

Tgt Ion: 97 Resp: 6261

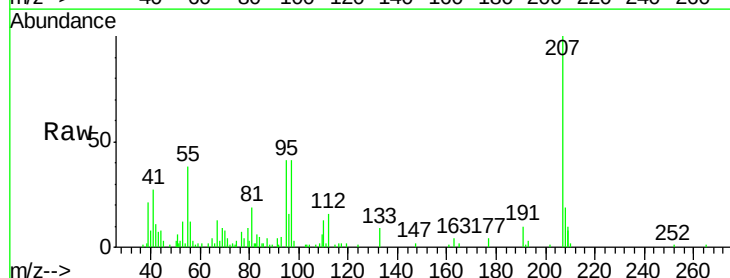
Ion Ratio Lower Upper

97 100

83 14.0 65.0 97.6#

85 11.5 46.0 69.0#

99 0.0 51.1 76.7#

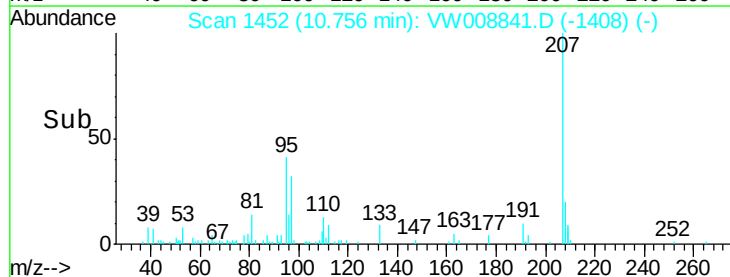
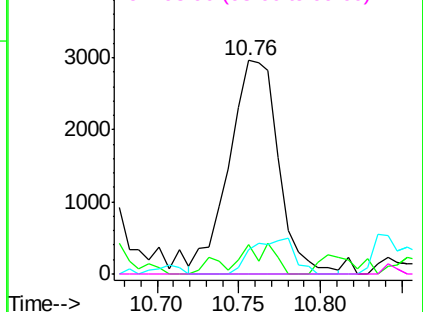


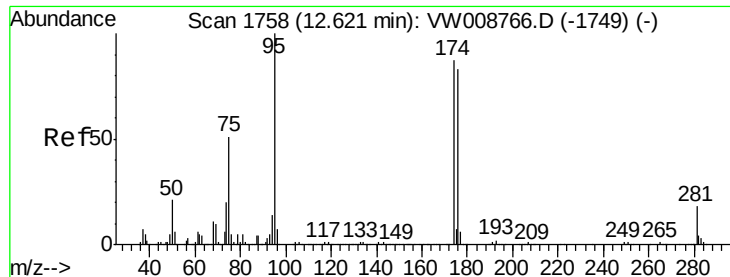
Abundance Ion 96.90 (96.60 to 97.60): VW

Ion 82.90 (82.60 to 83.60): VW

Ion 84.90 (84.60 to 85.60): VW

Ion 98.90 (98.60 to 99.60): VW





#62

4-Bromofluorobenzene

Concen: 45.224 ug/l

RT: 12.62 min Scan# 1758

Delta R.T. 0.00 min

Lab File: VW008841.D

Acq: 26 Feb 2019 19:58

Instrument :

MSVOA_W

ClientSampleId :

B-6(9-10)

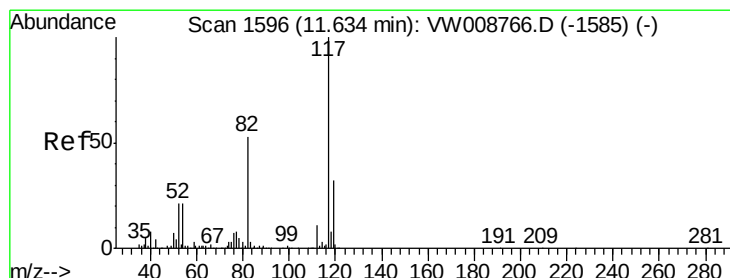
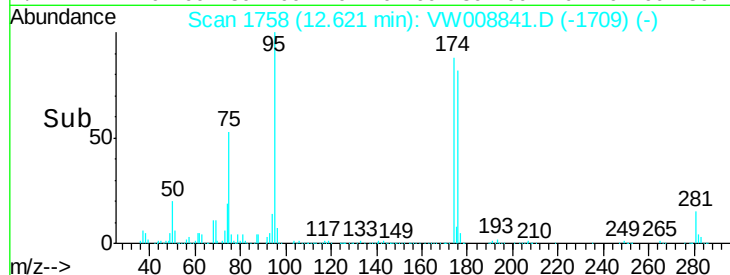
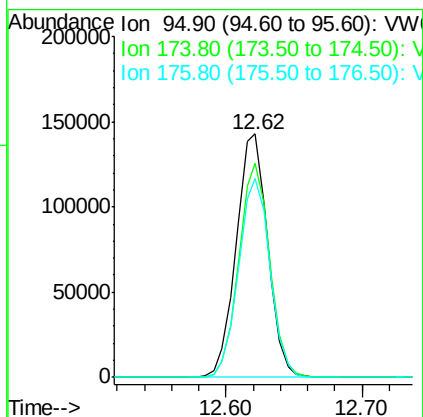
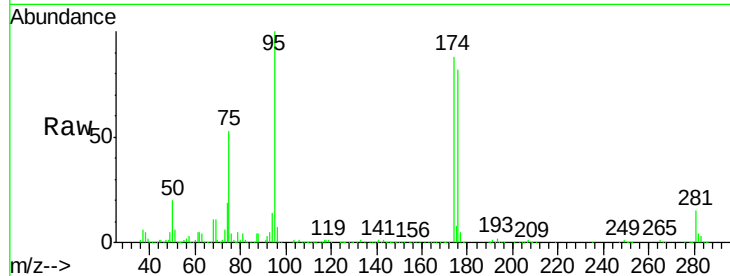
Tot Ion: 95 Resp: 229674

Ion Ratio Lower Upper

95 100

174 86.7 0.0 169.2

176 81.7 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: VW008841.D

Acq: 26 Feb 2019 19:58

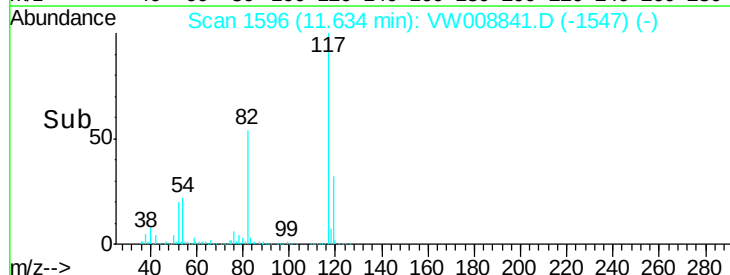
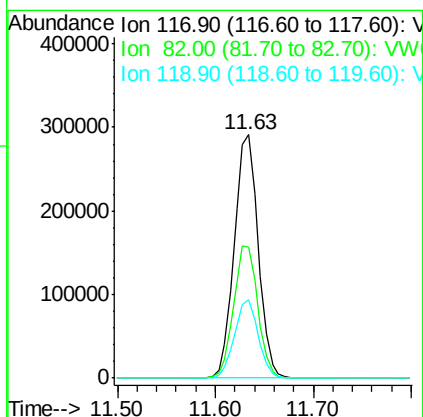
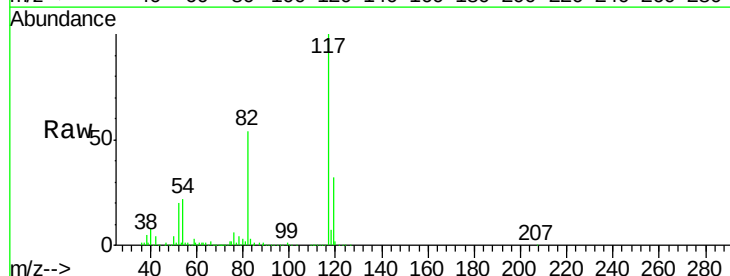
Tgt Ion: 117 Resp: 493965

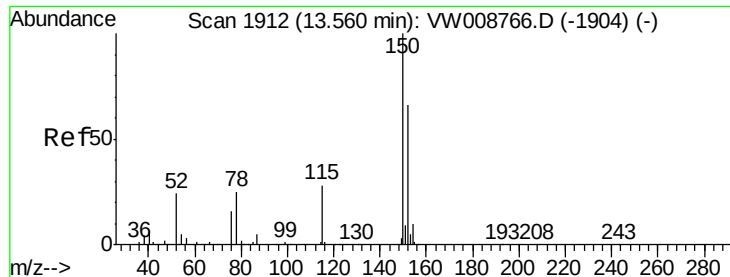
Ion Ratio Lower Upper

117 100

82 53.6 42.2 63.4

119 32.1 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: VW008841.D

Acq: 26 Feb 2019 19:58

Instrument :

MSVOA_W

ClientSampleId :

B-6(9-10)

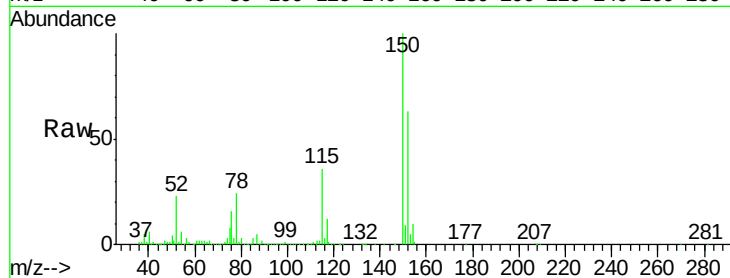
Tot Ion:152 Resp: 231895

Ion Ratio Lower Upper

152 100

115 57.4 28.6 85.8

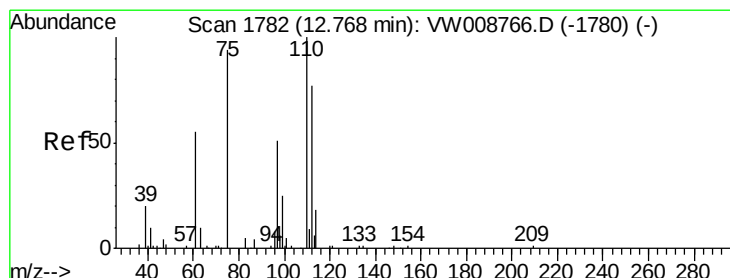
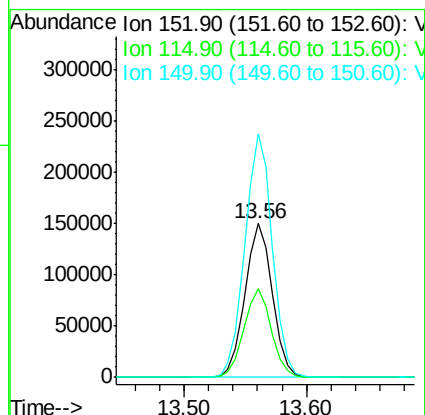
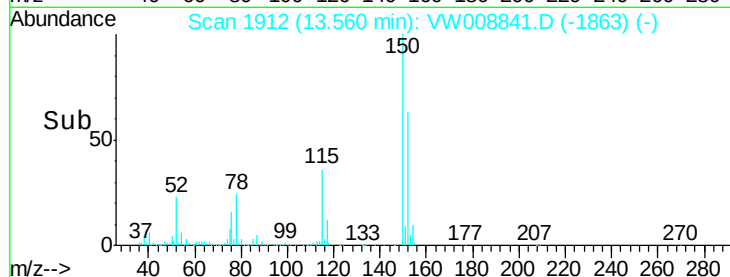
150 159.2 0.0 348.0



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: 64.045 ug/l

RT: 12.62 min Scan# 1758

Delta R.T. -0.15 min

Lab File: VW008841.D

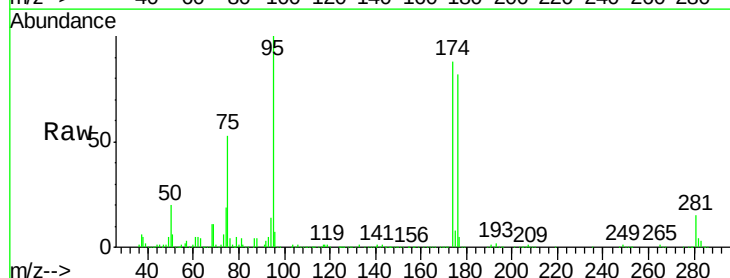
Acq: 26 Feb 2019 19:58

Tgt Ion: 75 Resp: 122621

Ion Ratio Lower Upper

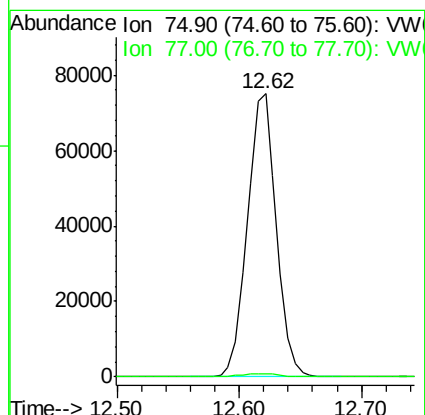
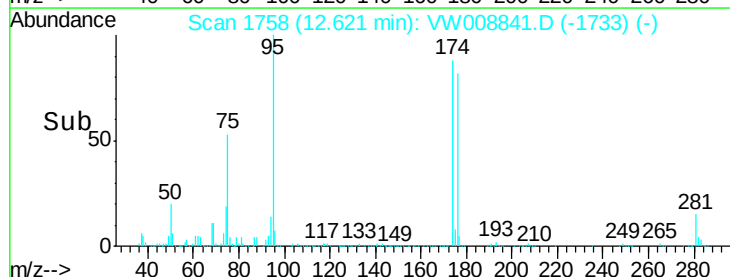
75 100

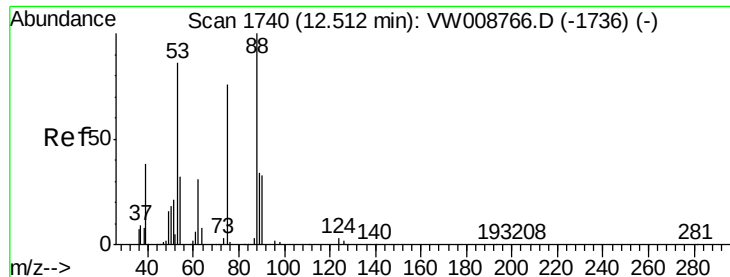
77 1.4 0.0 0.0#



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: 155.699 ug/l

RT: 12.62 min Scan# 1758

Delta R.T. 0.11 min

Lab File: VW008841.D

Acq: 26 Feb 2019 19:58

Instrument :

MSVOA_W

ClientSampleId :

B-6(9-10)

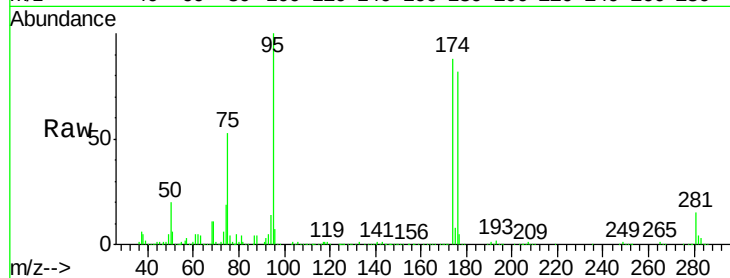
Tot Ion: 75 Resp: 122621

Ion Ratio Lower Upper

75 100

53 0.1 88.2 132.2#

89 0.1 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

