

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW022219\
 Data File : VW008798.D
 Acq On : 22 Feb 2019 19:12
 Operator : SY/VA
 Sample : K1597-15
 Misc : 3.15G/5ML/MSVOA_W/SOIL
 ALS Vial : 15 Sample Multiplier: 1

Quant Time: Feb 23 03:27:18 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	353001	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	543779	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	463120	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	201581	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.31	65	189893	57.36	ug/l	0.00
Spiked Amount						
			Recovery	=	114.72%	
35) Dibromofluoromethane	7.88	113	173043	53.00	ug/l	0.00
Spiked Amount						
			Recovery	=	106.00%	
50) Toluene-d8	10.32	98	641076	50.86	ug/l	0.00
Spiked Amount						
			Recovery	=	101.72%	
62) 4-Bromofluorobenzene	12.62	95	212658	43.09	ug/l	0.00
Spiked Amount						
			Recovery	=	86.18%	

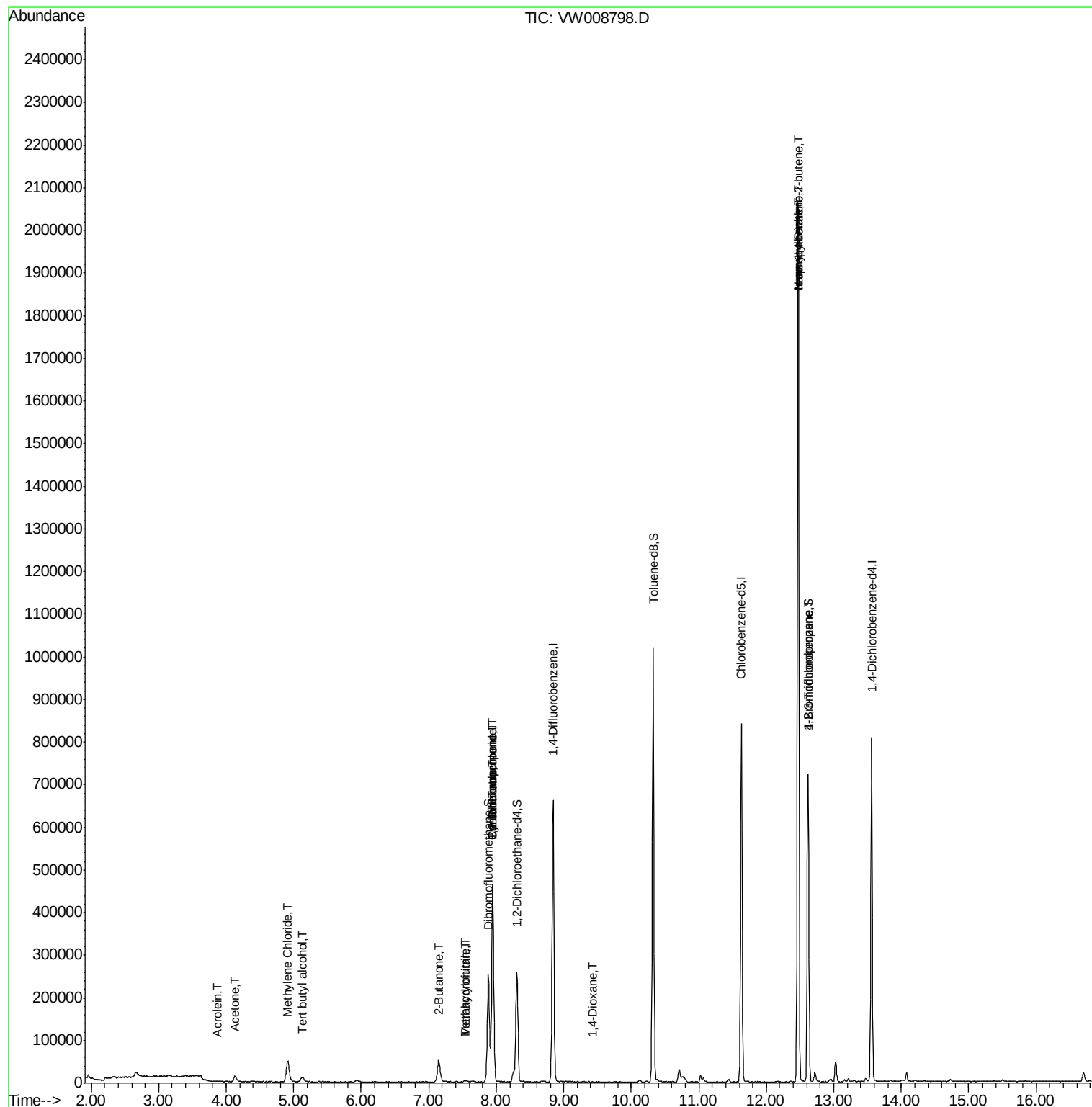
Target Compounds

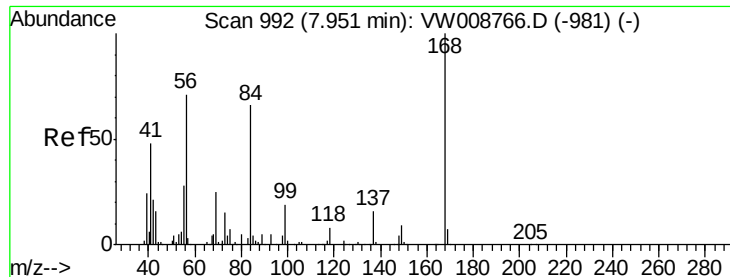
						Qvalue
11) Tert butyl alcohol	5.13	59	10660	36.166	ug/l #	73
13) Acrolein	3.87	56	175	20.298	ug/l #	53
16) Acetone	4.13	43	26248	34.203	ug/l #	87
20) Methylene Chloride	4.92	84	36632	5.102	ug/l	92
25) 2-Butanone	7.15	43	3505	3.267	ug/l	94
29) Tetrahydrofuran	7.54	42	2608	3.814	ug/l #	74
31) Cyclohexane	7.95	56	8059	1.291	ug/l #	22
36) 1,1-Dichloropropene	7.95	75	26466	5.000	ug/l #	52
38) Carbon Tetrachloride	7.95	117	34858	6.244	ug/l #	15
41) Methacrylonitrile	7.54	41	1667	1.152	ug/l #	23
49) 1,4-Dioxane	9.43	88	126	3.961	ug/l #	1
73) Isopropylbenzene	12.47	105	84713	6.130	ug/l #	62
74) N-amyl acetate	12.47	43	43281	12.434	ug/l #	16
76) 1,2,3-Trichloropropane	12.62	75	111655	67.087	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.47	75	3509	5.126	ug/l #	1

(#) = 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: VW008798.D

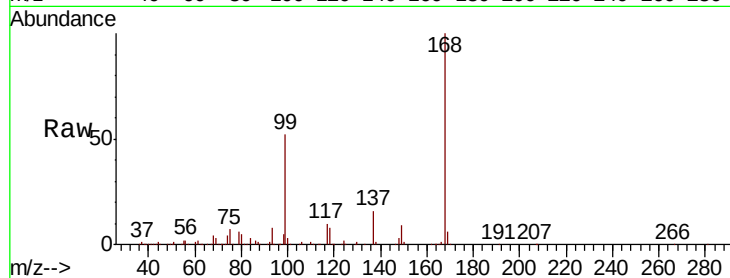
Acq: 22 Feb 2019 19:12

Tgt Ion: 168 Resp: 353001

Ion Ratio Lower Upper

168 100

99 51.7 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

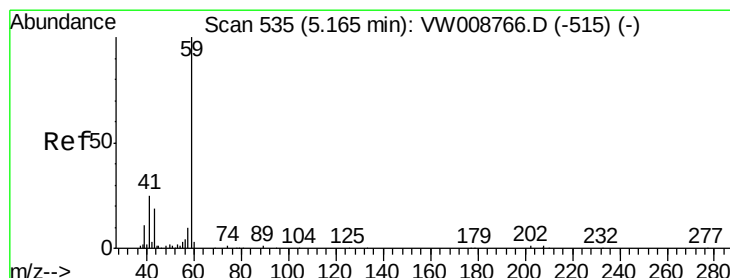
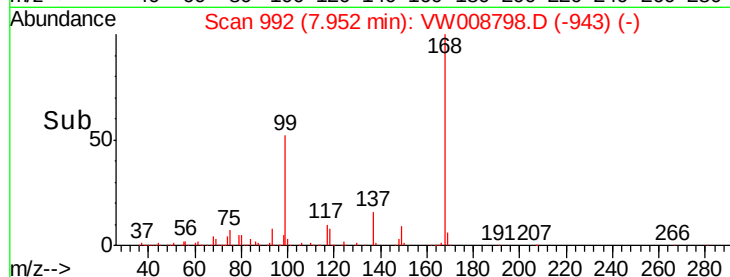
100000

50000

0

7.90 8.00 8.10

Time-->



#11

Tert butyl alcohol

Concen: 36.166 ug/l

RT: 5.13 min Scan# 529

Delta R.T. -0.04 min

Lab File: VW008798.D

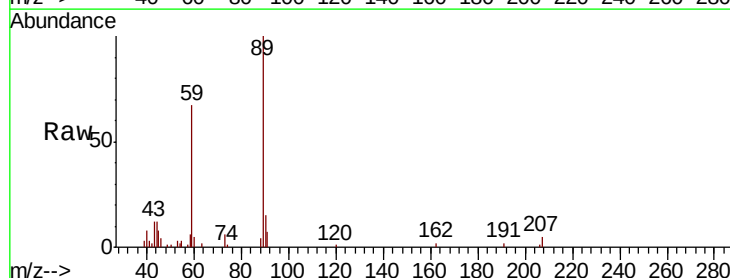
Acq: 22 Feb 2019 19:12

Tgt Ion: 59 Resp: 10660

Ion Ratio Lower Upper

59 100

57 1.2 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

3000

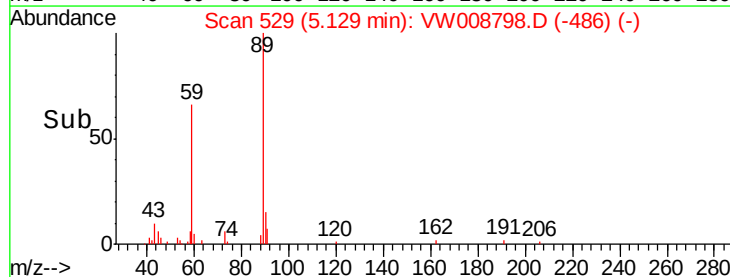
2000

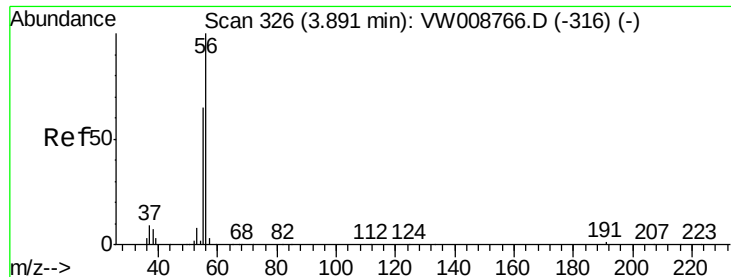
1000

0

5.00 5.10 5.20

Time-->





#13

Acrolein

Concen: 20.298 ug/l

RT: 3.87 min Scan# 323

Delta R.T. -0.02 min

Lab File: VW008798.D

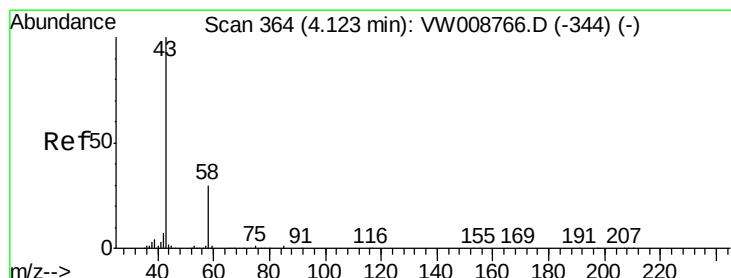
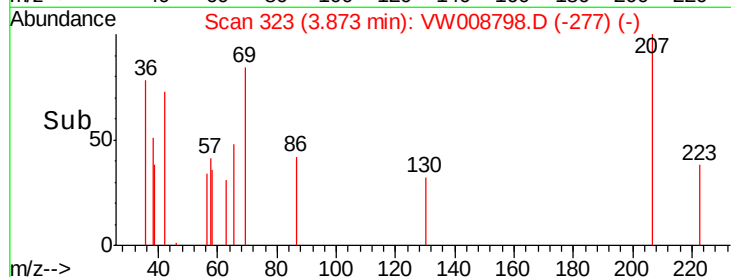
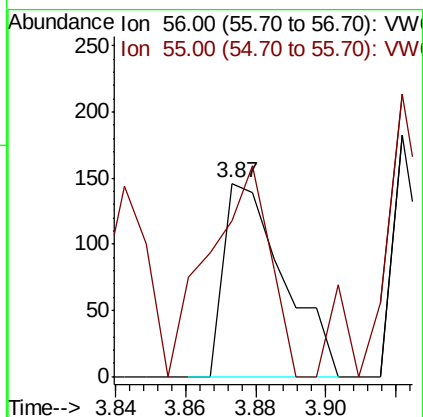
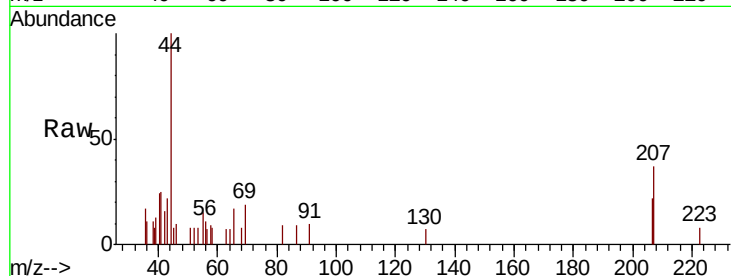
Acq: 22 Feb 2019 19:12

Tgt Ion: 56 Resp: 175

Ion Ratio Lower Upper

56 100

55 110.3 56.9 85.3#



#16

Acetone

Concen: 34.203 ug/l

RT: 4.13 min Scan# 365

Delta R.T. 0.01 min

Lab File: VW008798.D

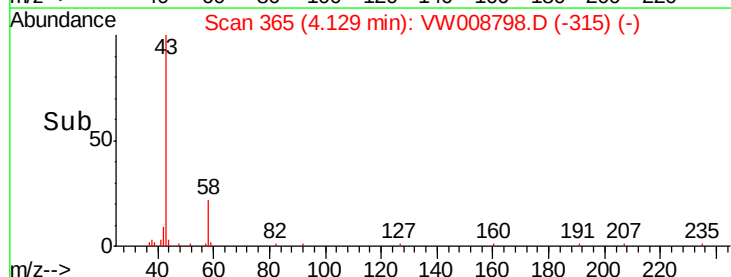
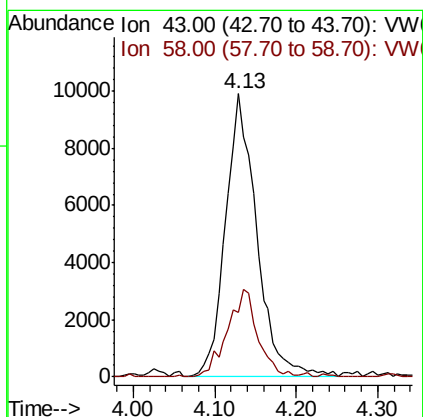
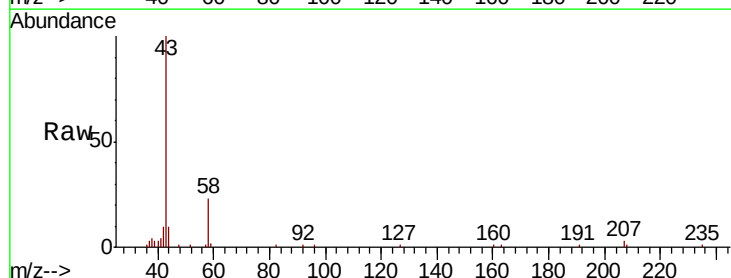
Acq: 22 Feb 2019 19:12

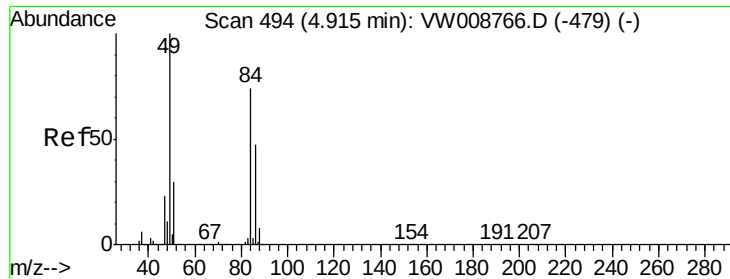
Tgt Ion: 43 Resp: 26248

Ion Ratio Lower Upper

43 100

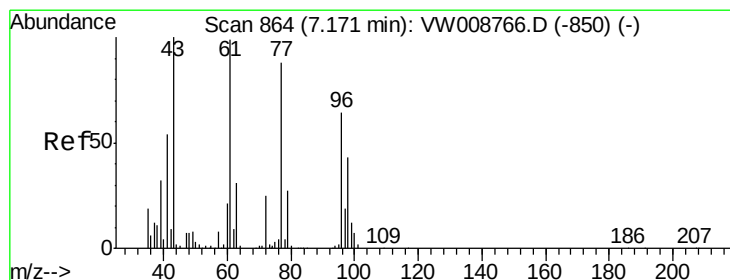
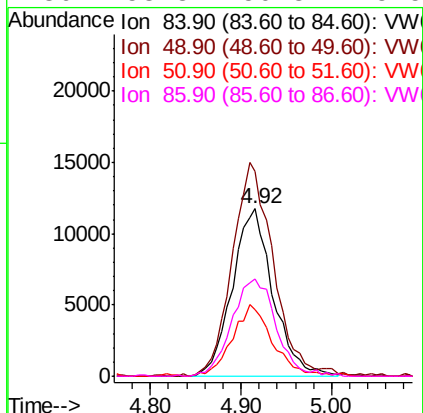
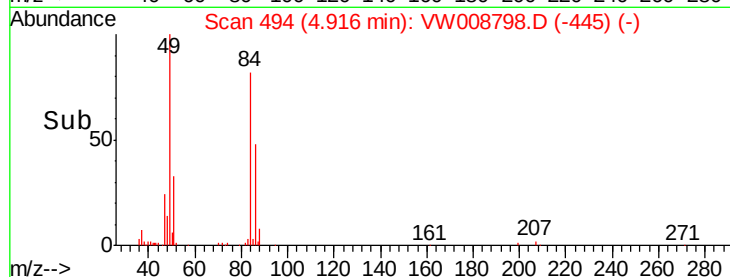
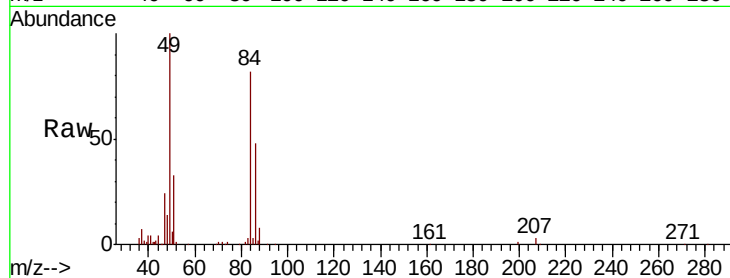
58 22.8 23.8 35.6#





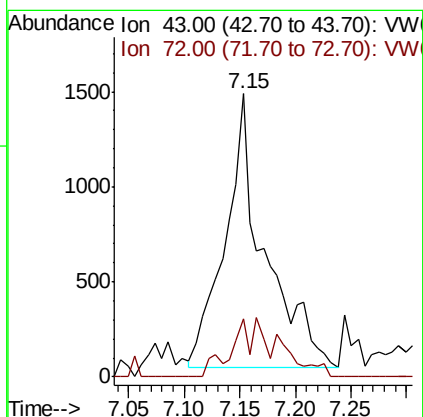
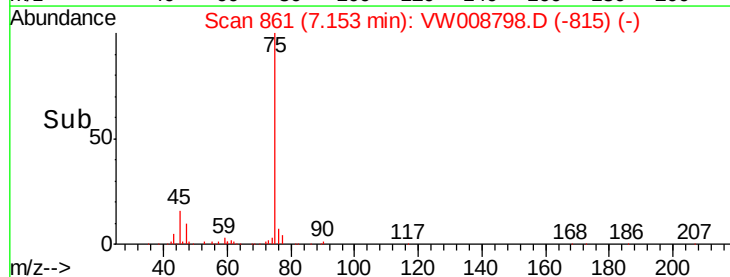
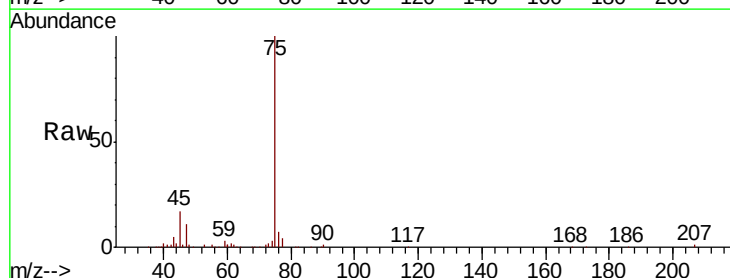
#20
Methylene Chloride
Concen: 5.102 ug/l
RT: 4.92 min Scan# 494
Delta R.T. 0.00 min
Lab File: VW008798.D
Acq: 22 Feb 2019 19:12

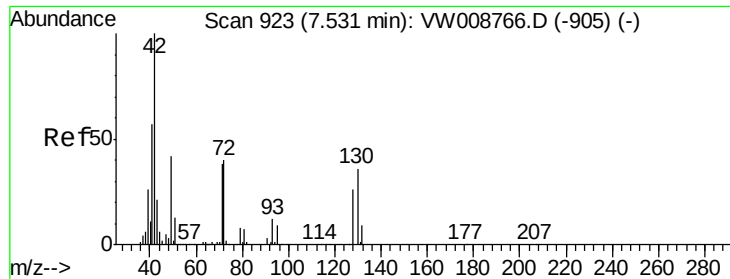
Tgt Ion:	84	Resp:	36632
Ion	Ratio	Lower	Upper
84	100		
49	122.7	108.2	162.2
51	40.1	32.7	49.1
86	58.3	50.3	75.5



#25
2-Butanone
Concen: 3.267 ug/l
RT: 7.15 min Scan# 861
Delta R.T. -0.02 min
Lab File: VW008798.D
Acq: 22 Feb 2019 19:12

Tgt Ion:	43	Resp:	3505
Ion	Ratio	Lower	Upper
43	100		
72	21.4	19.7	29.5





#29

Tetrahydrofuran

Concen: 3.814 ug/l

RT: 7.54 min Scan# 924

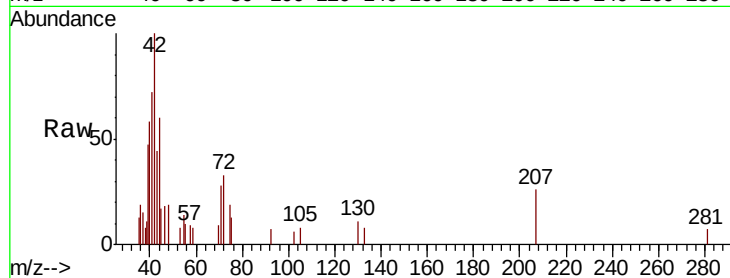
Delta R.T. 0.01 min

Lab File: VW008798.D

Acq: 22 Feb 2019 19:12

Tgt Ion: 42 Resp: 2608

Ion	Ratio	Lower	Upper
42	100		
72	27.1	32.7	49.1#
71	21.2	31.3	46.9#

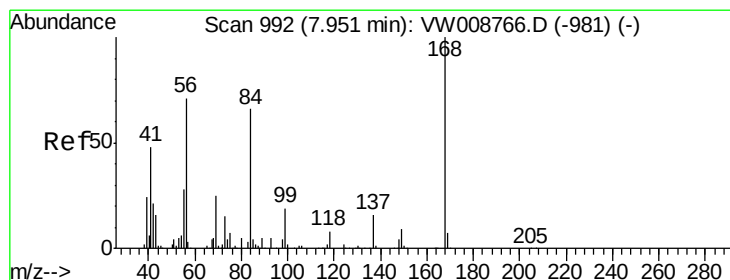
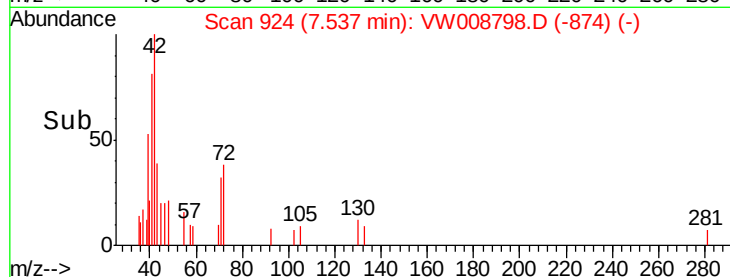
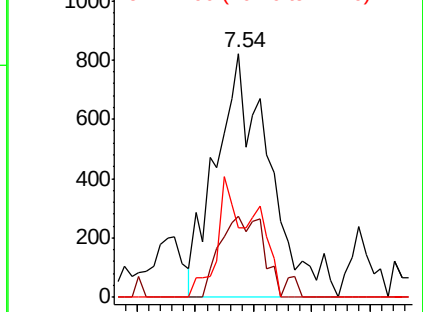


Abundance

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



#31

Cyclohexane

Concen: 1.291 ug/l

RT: 7.95 min Scan# 992

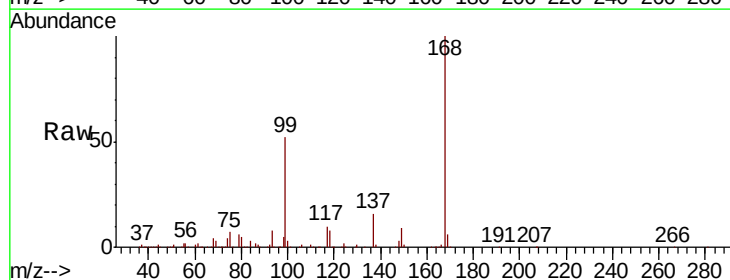
Delta R.T. 0.00 min

Lab File: VW008798.D

Acq: 22 Feb 2019 19:12

Tgt Ion: 56 Resp: 8059

Ion	Ratio	Lower	Upper
56	100		
69	144.0	28.2	42.4#
84	127.6	74.1	111.1#

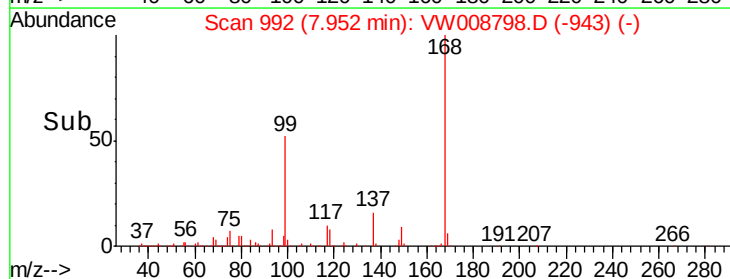
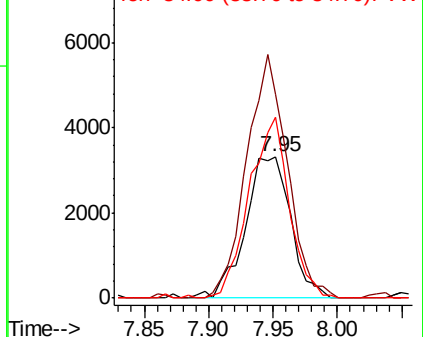


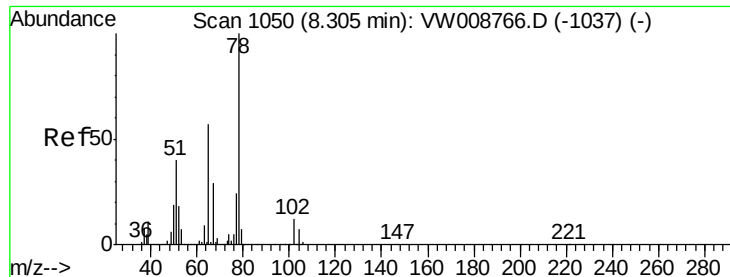
Abundance

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: 57.355 ug/l

RT: 8.31 min Scan# 1050

Delta R.T. 0.00 min

Lab File: VW008798.D

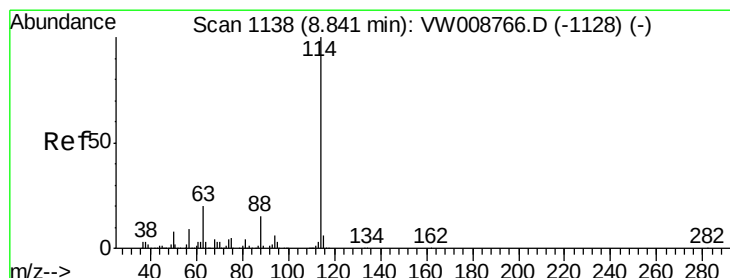
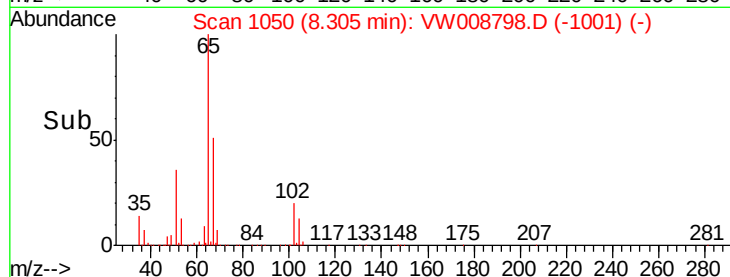
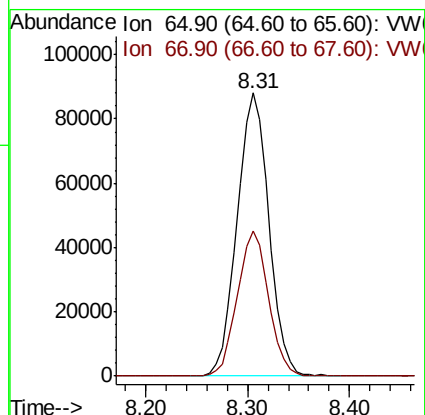
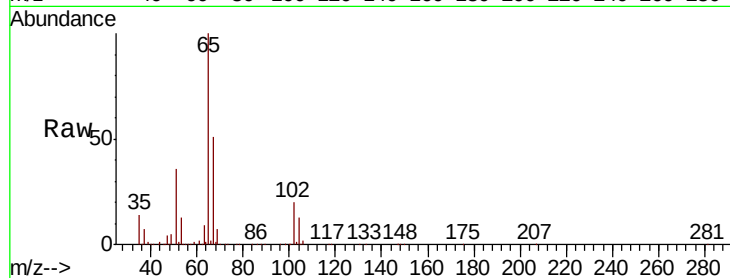
Acq: 22 Feb 2019 19:12

Tgt Ion: 65 Resp: 189893

Ion Ratio Lower Upper

65 100

67 50.3 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: VW008798.D

Acq: 22 Feb 2019 19:12

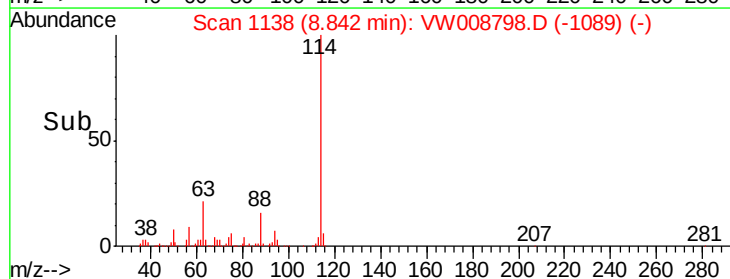
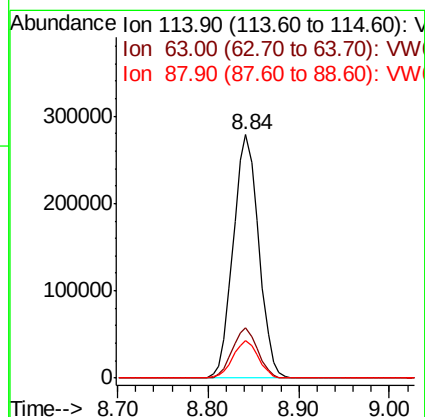
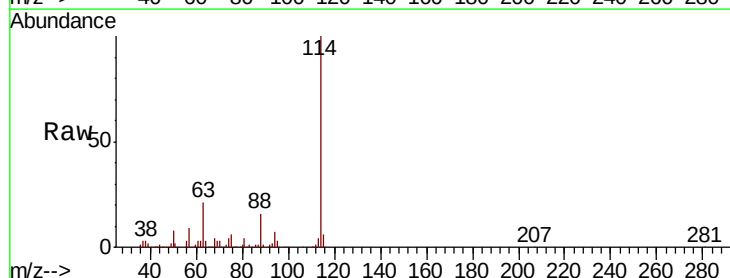
Tgt Ion: 114 Resp: 543779

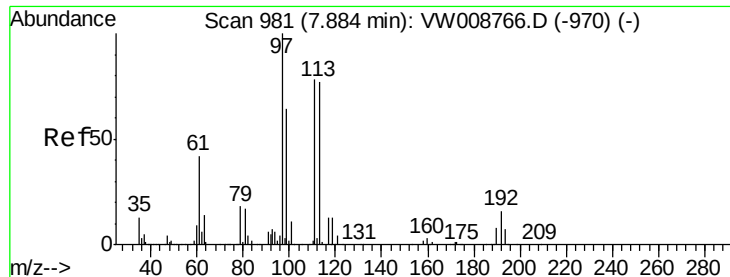
Ion Ratio Lower Upper

114 100

63 20.6 0.0 40.8

88 15.6 0.0 30.4





#35

Dibromofluoromethane

Concen: 53.001 ug/l

RT: 7.88 min Scan# 981

Delta R.T. 0.00 min

Lab File: VW008798.D

Acq: 22 Feb 2019 19:12

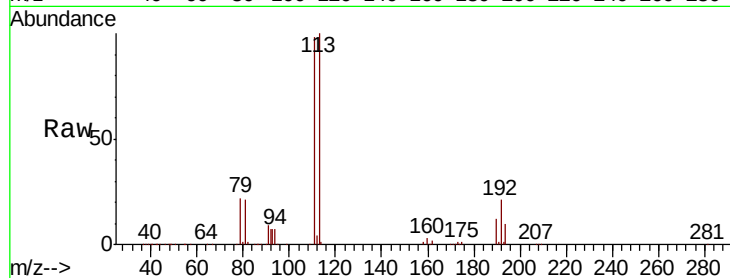
Tgt Ion: 113 Resp: 173043

Ion Ratio Lower Upper

113 100

111 101.5 81.9 122.9

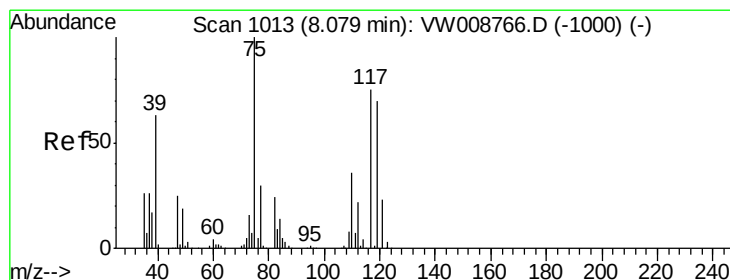
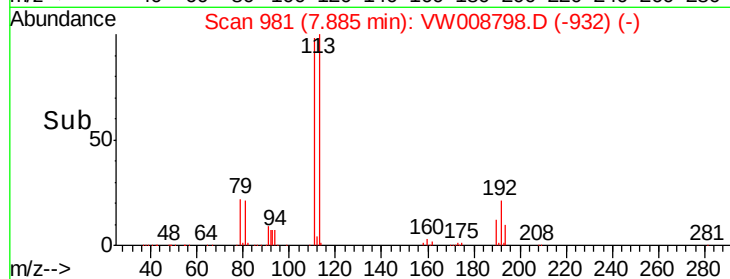
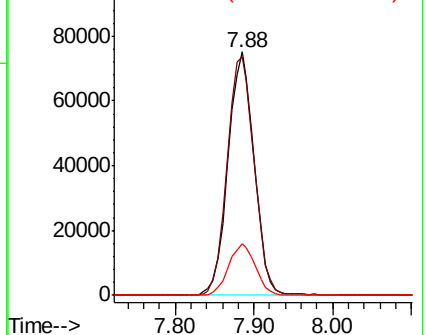
192 21.6 17.1 25.7



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: 5.000 ug/l

RT: 7.95 min Scan# 991

Delta R.T. -0.13 min

Lab File: VW008798.D

Acq: 22 Feb 2019 19:12

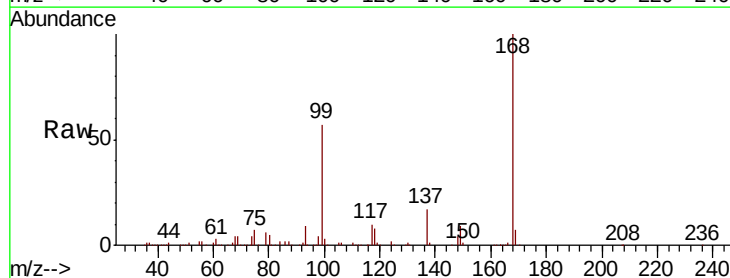
Tgt Ion: 75 Resp: 26466

Ion Ratio Lower Upper

75 100

110 10.6 17.5 52.6#

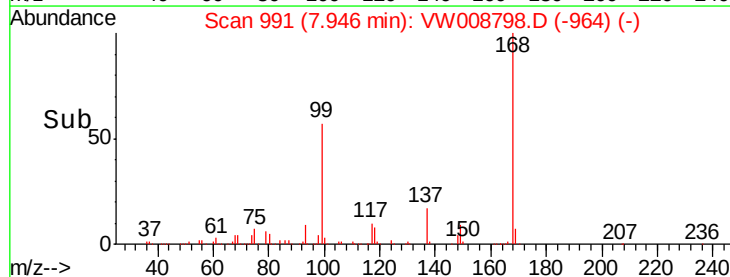
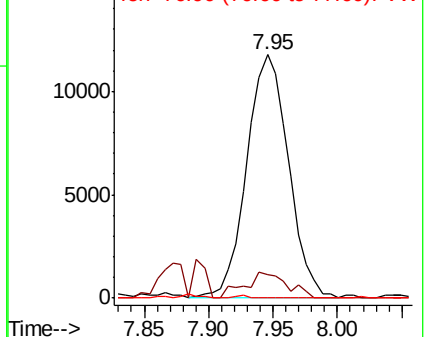
77 0.3 24.5 36.7#

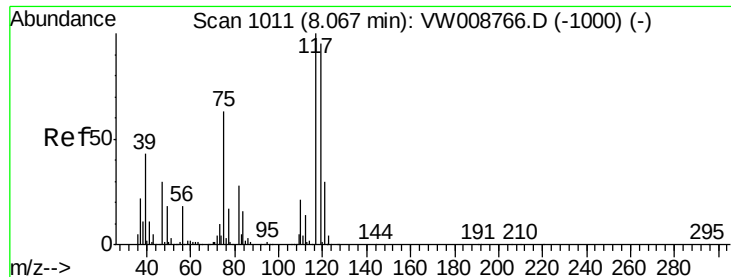


Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VW





#38

Carbon Tetrachloride

Concen: 6.244 ug/l

RT: 7.95 min Scan# 992

Delta R.T. -0.12 min

Lab File: VW008798.D

Acq: 22 Feb 2019 19:12

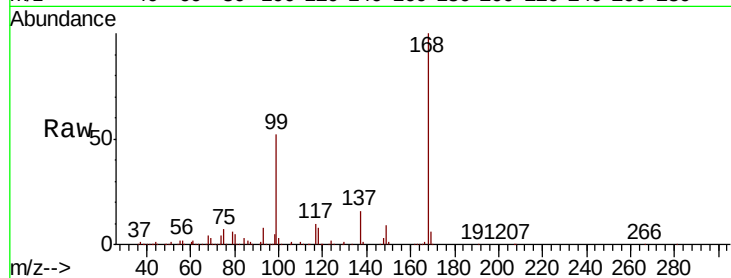
Tgt Ion: 117 Resp: 34858

Ion Ratio Lower Upper

117 100

119 3.7 76.1 114.1#

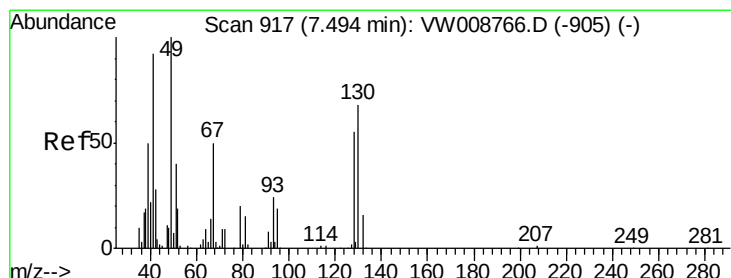
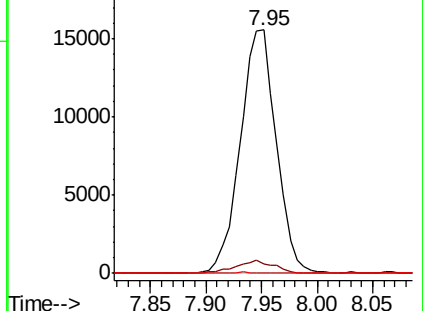
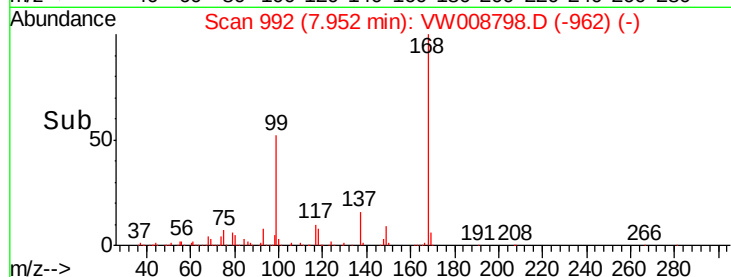
121 0.0 24.0 36.0#



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



#41

Methacrylonitrile

Concen: 1.152 ug/l

RT: 7.54 min Scan# 924

Delta R.T. 0.04 min

Lab File: VW008798.D

Acq: 22 Feb 2019 19:12

Tgt Ion: 41 Resp: 1667

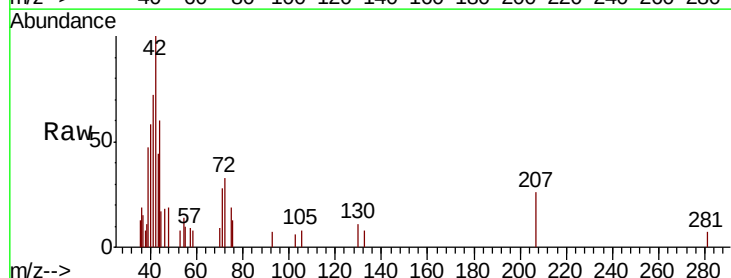
Ion Ratio Lower Upper

41 100

39 0.0 52.5 78.7#

67 2.9 55.0 82.6#

52 0.0 26.9 40.3#

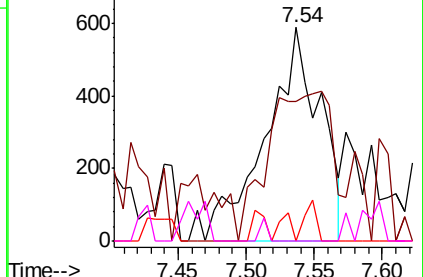
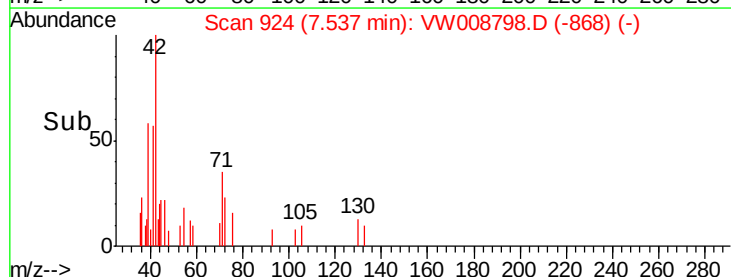


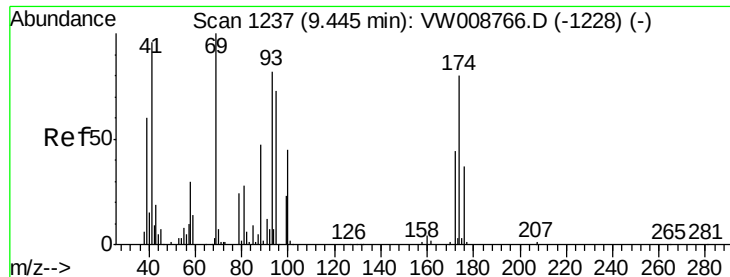
Abundance Ion 41.00 (40.70 to 41.70): VW

Ion 39.00 (38.70 to 39.70): VW

Ion 67.00 (66.70 to 67.70): VW

Ion 52.00 (51.70 to 52.70): VW





#49

1,4-Dioxane

Concen: 3.961 ug/l

RT: 9.43 min Scan# 1235

Delta R.T. -0.01 min

Lab File: VW008798.D

Acq: 22 Feb 2019 19:12

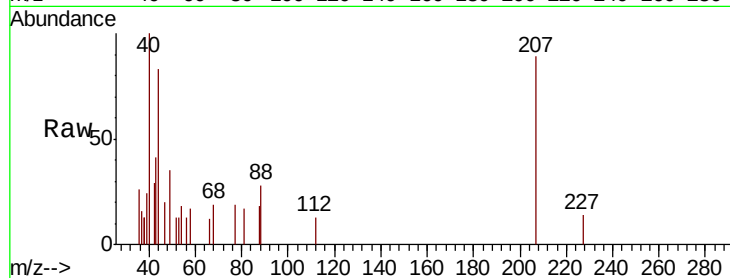
Tgt Ion: 88 Resp: 126

Ion Ratio Lower Upper

88 100

43 270.6 29.0 43.4#

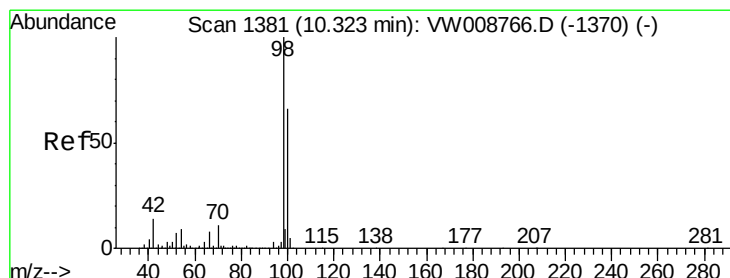
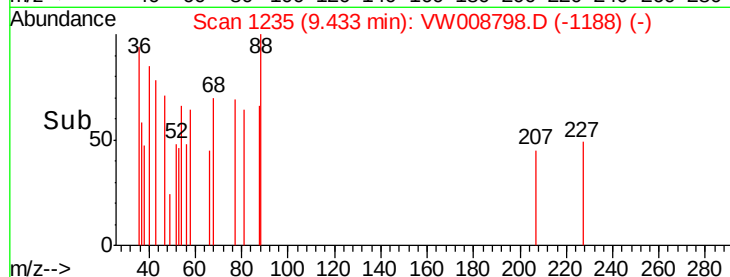
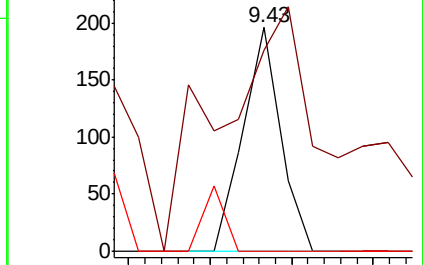
58 16.7 52.0 78.0#



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: 50.865 ug/l

RT: 10.32 min Scan# 1381

Delta R.T. 0.00 min

Lab File: VW008798.D

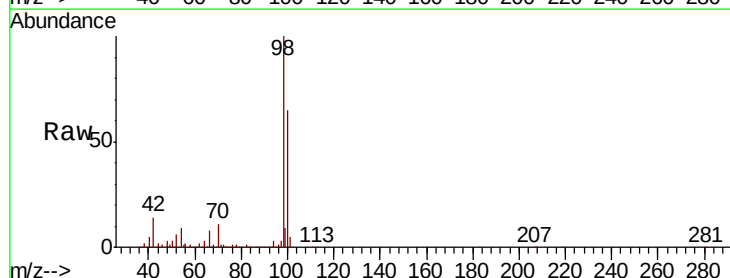
Acq: 22 Feb 2019 19:12

Tgt Ion: 98 Resp: 641076

Ion Ratio Lower Upper

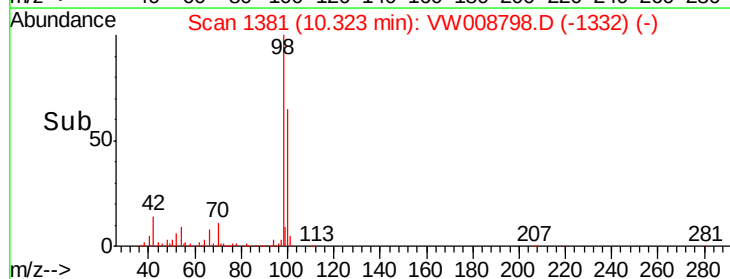
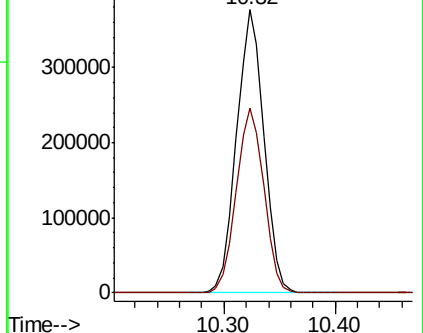
98 100

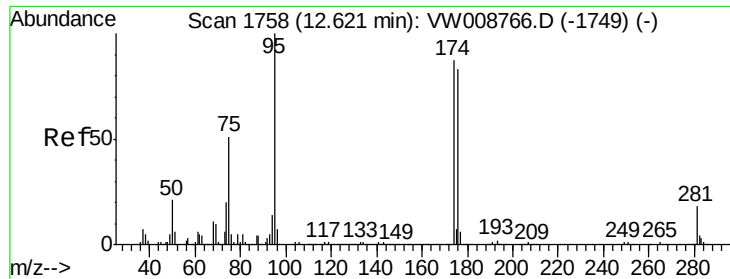
100 65.8 52.4 78.6



Abundance Ion 98.00 (97.70 to 98.70): VW

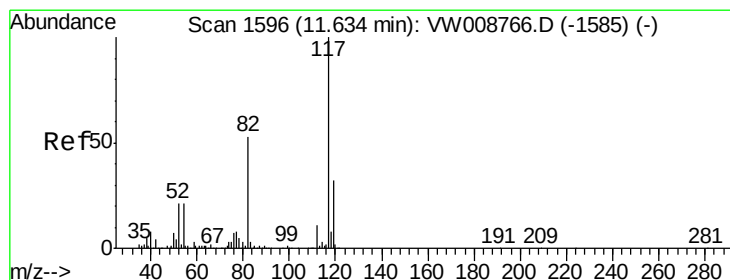
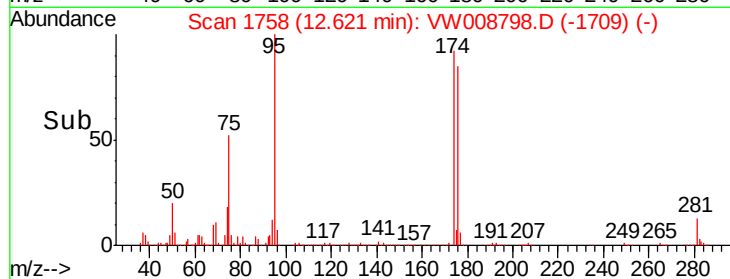
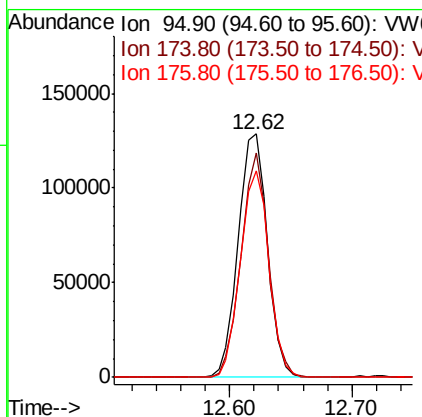
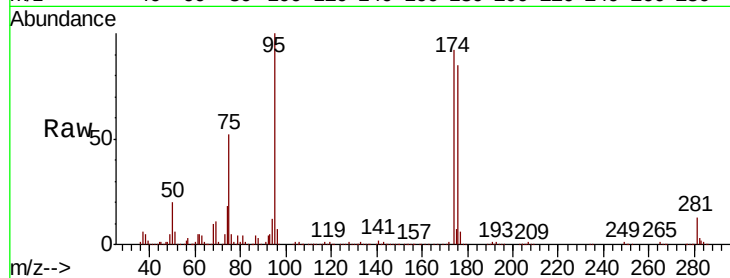
Ion 100.00 (99.70 to 100.70): VW





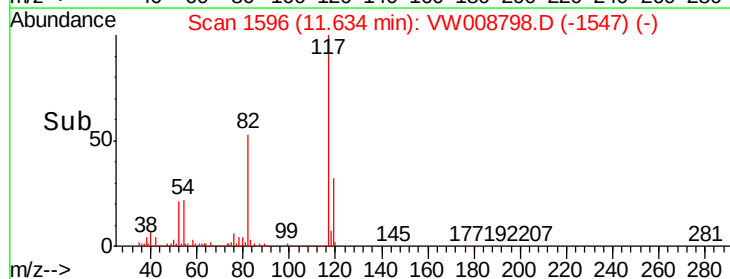
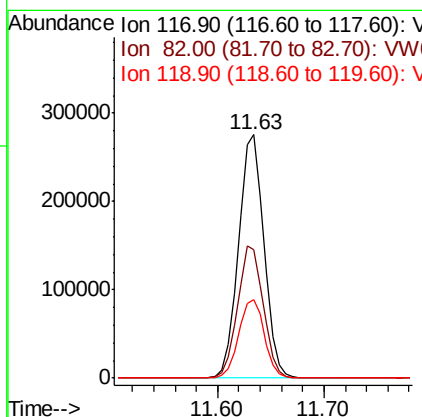
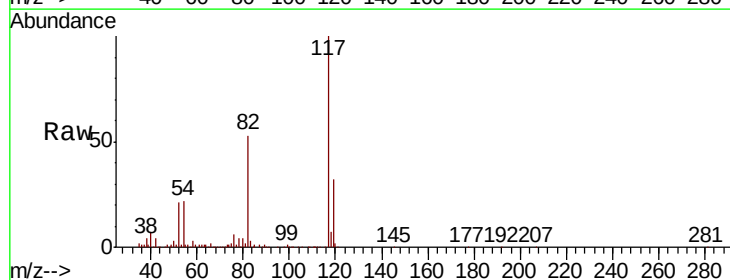
#62
4-Bromofluorobenzene
Concen: 43.093 ug/l
RT: 12.62 min Scan# 1758
Delta R.T. 0.00 min
Lab File: VW008798.D
Acq: 22 Feb 2019 19:12

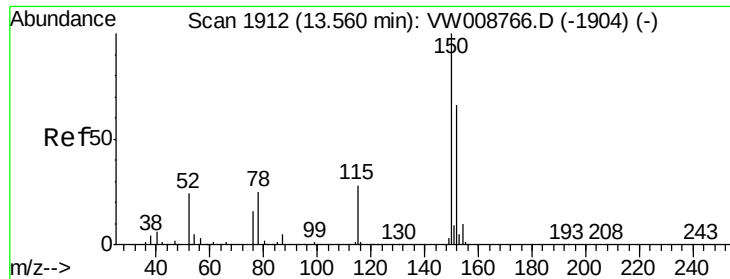
Tgt Ion	Ratio	Lower	Upper
95	100		
174	86.6	0.0	169.2
176	83.2	0.0	163.6



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1596
Delta R.T. 0.00 min
Lab File: VW008798.D
Acq: 22 Feb 2019 19:12

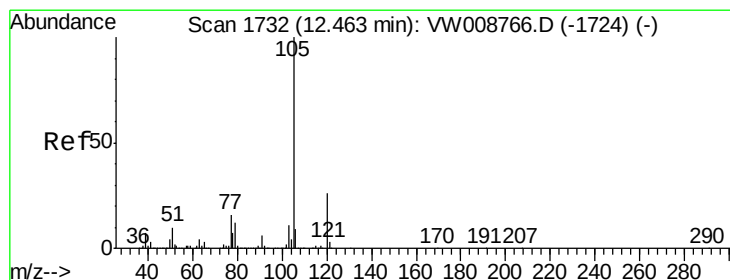
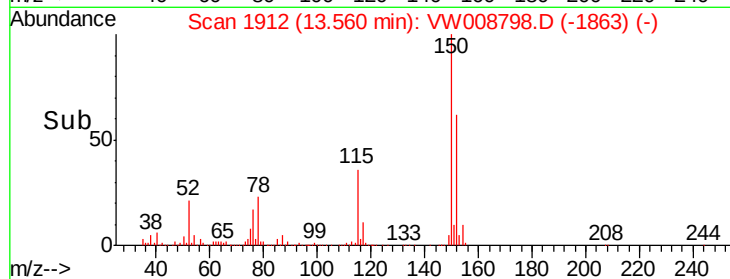
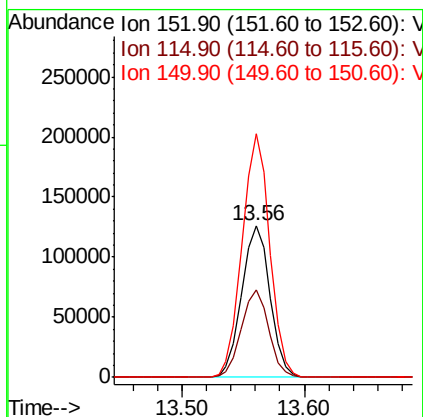
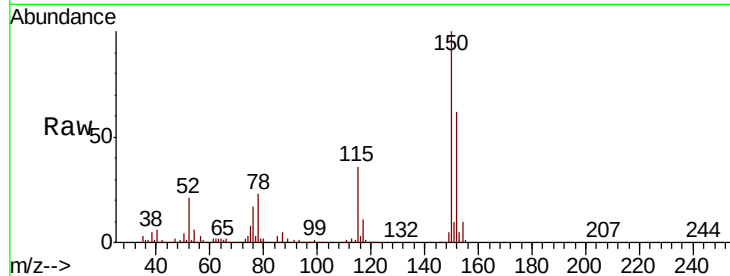
Tgt Ion	Ratio	Lower	Upper
117	100		
82	52.7	42.2	63.4
119	32.5	25.9	38.9





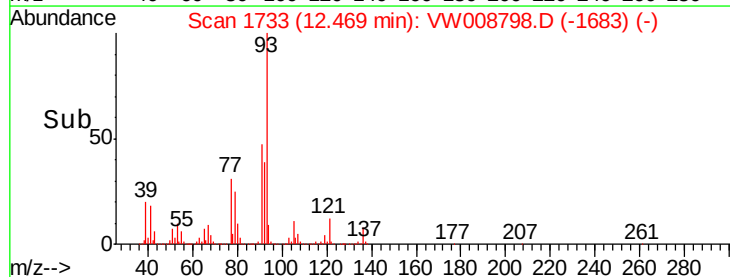
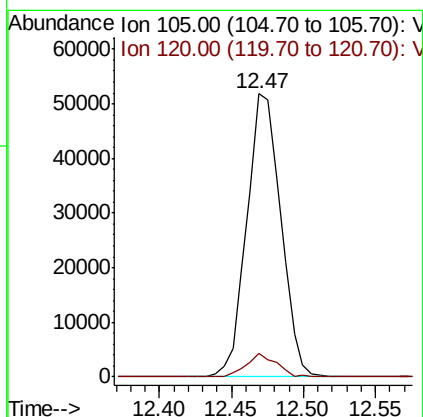
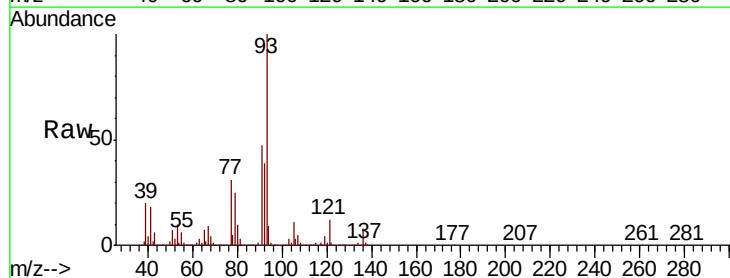
#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.56 min Scan# 1912
 Delta R.T. 0.00 min
 Lab File: VW008798.D
 Acq: 22 Feb 2019 19:12

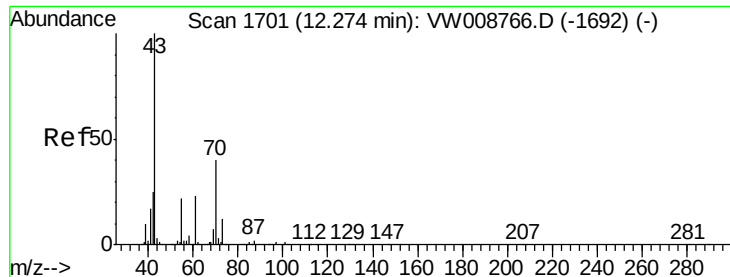
Tgt Ion	Ratio	Lower	Upper
152	100		
115	56.2	28.6	85.8
150	156.9	0.0	348.0



#73
 Isopropylbenzene
 Concen: 6.130 ug/l
 RT: 12.47 min Scan# 1733
 Delta R.T. 0.01 min
 Lab File: VW008798.D
 Acq: 22 Feb 2019 19:12

Tgt Ion	Ratio	Lower	Upper
105	100		
120	7.2	13.3	39.9#





#74

N-amyI acetate

Concen: 12.434 ug/l

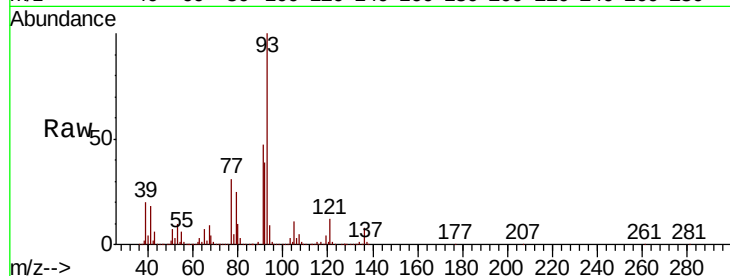
RT: 12.47 min Scan# 1733

Delta R.T. 0.20 min

Lab File: VW008798.D

Acq: 22 Feb 2019 19:12

Tgt Ion:	43	Resp:	43281
Ion	Ratio	Lower	Upper
43	100		
70	2.1	31.0	46.6#
55	103.8	18.7	28.1#
61	3.4	18.1	27.1#



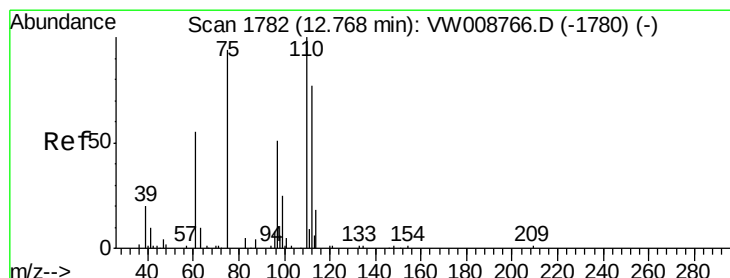
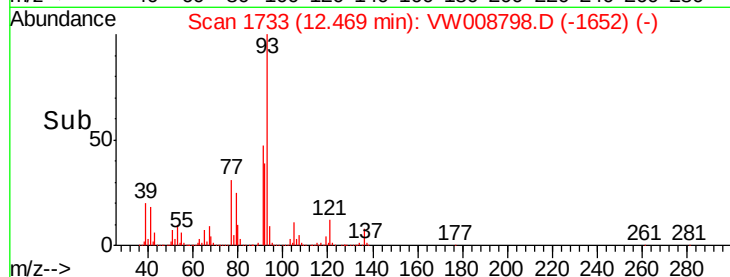
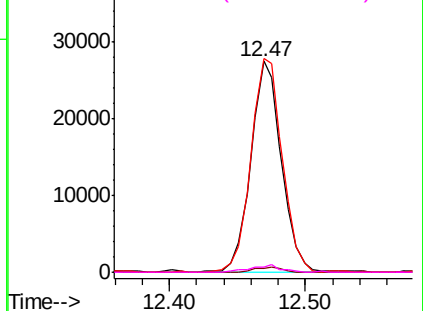
Abundance

Ion 43.00 (42.70 to 43.70): VW

Ion 70.00 (69.70 to 70.70): VW

Ion 55.00 (54.70 to 55.70): VW

Ion 61.00 (60.70 to 61.70): VW



#76

1,2,3-Trichloropropane

Concen: 67.087 ug/l

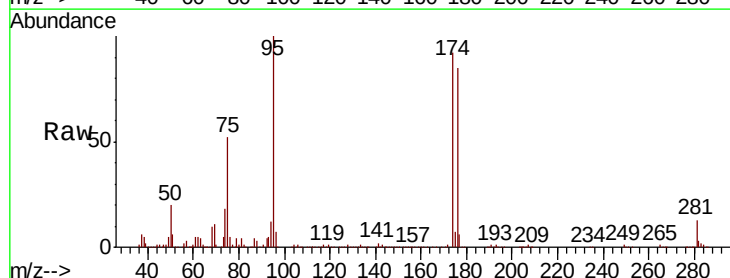
RT: 12.62 min Scan# 1758

Delta R.T. -0.15 min

Lab File: VW008798.D

Acq: 22 Feb 2019 19:12

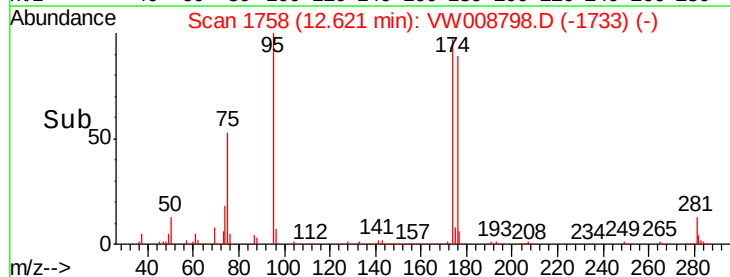
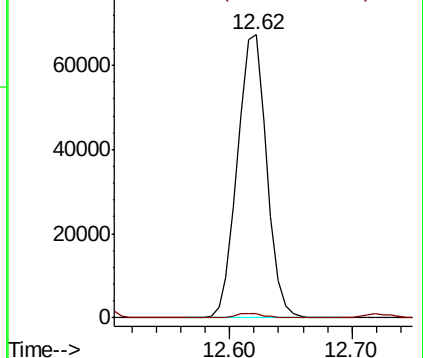
Tgt Ion:	75	Resp:	111655
Ion	Ratio	Lower	Upper
75	100		
77	0.0	0.0	0.0

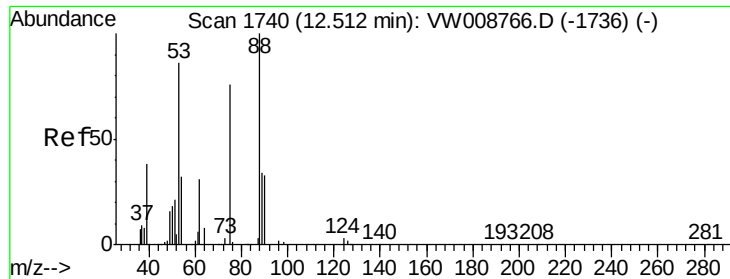


Abundance

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: 5.126 ug/l
 RT: 12.47 min Scan# 1733
 Delta R.T. -0.04 min
 Lab File: VW008798.D
 Acq: 22 Feb 2019 19:12

Tgt Ion: 75 Resp: 3509
 Ion Ratio Lower Upper
 75 100
 53 2098.3 88.2 132.2#
 89 191.9 39.5 59.3#

