

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW031119\
 Data File : VW009091.D
 Acq On : 11 Mar 2019 17:18
 Operator : SY/VA
 Sample : K1837-13
 Misc : 6.29G/5ML/MSVOA_W/SOIL
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 MR-MH-05-COMP

Quant Time: Mar 12 08:12:46 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W030719S.M
 Quant Title : SW846 8260
 QLast Update : Fri Mar 08 05:22:30 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	286327	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	461942	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	411552	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	191407	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	171288	59.46	ug/l	0.00
Spiked Amount			Recovery	=	118.92%	
35) Dibromofluoromethane	7.88	113	142257	51.15	ug/l	0.00
Spiked Amount			Recovery	=	102.30%	
50) Toluene-d8	10.32	98	559815	49.01	ug/l	0.00
Spiked Amount			Recovery	=	98.02%	
62) 4-Bromofluorobenzene	12.62	95	186892	41.56	ug/l	0.00
Spiked Amount			Recovery	=	83.12%	

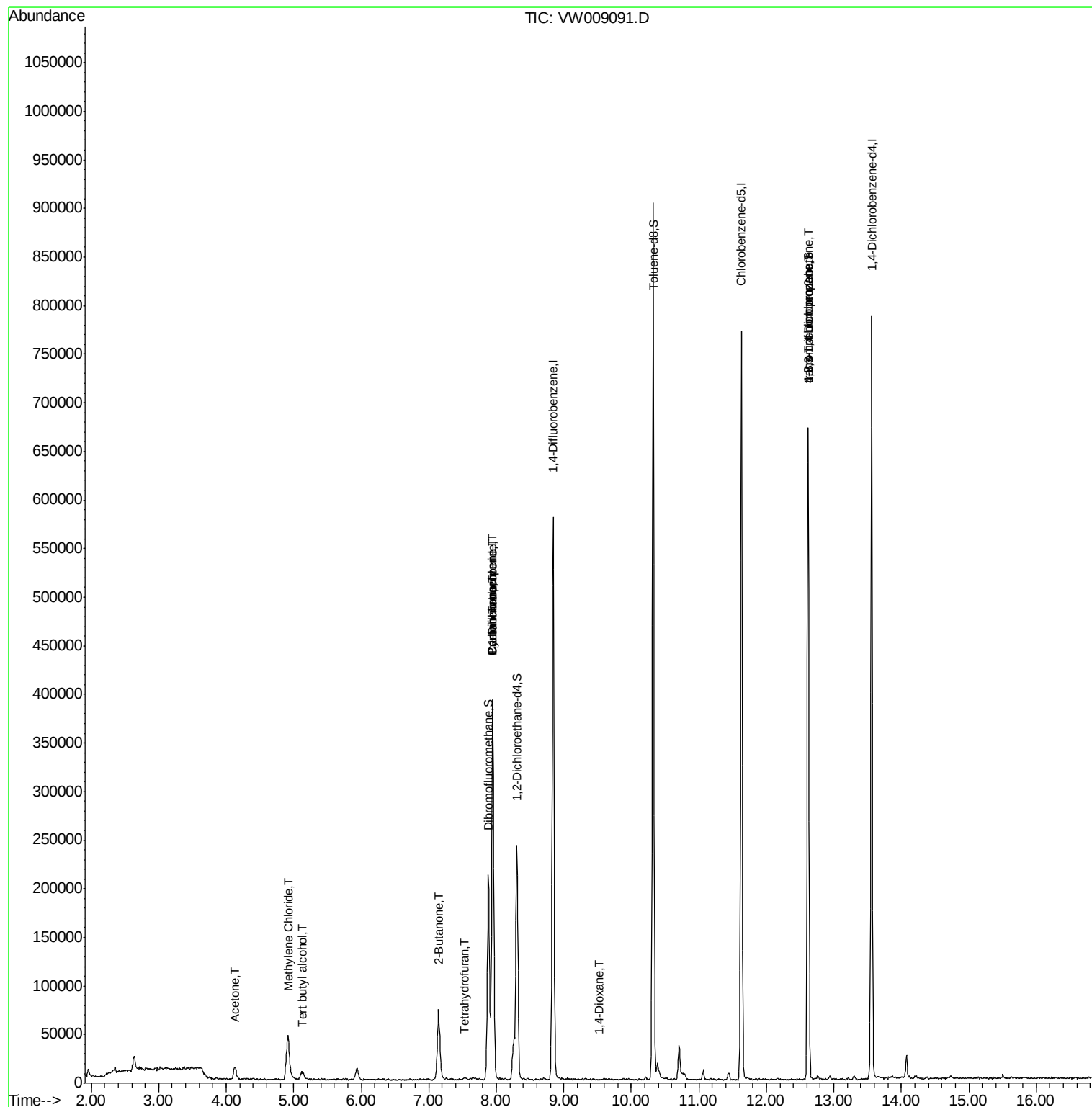
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
11) Tert butyl alcohol	5.13	59	7468	33.830	ug/l #	77
16) Acetone	4.12	43	23007	35.392	ug/l	95
20) Methylene Chloride	4.92	84	33462	6.188	ug/l	97
25) 2-Butanone	7.15	43	3892	4.332	ug/l #	63
29) Tetrahydrofuran	7.52	42	1676	2.960	ug/l #	86
31) Cyclohexane	7.94	56	7373	1.372	ug/l #	34
36) 1,1-Dichloropropene	7.94	75	22925	4.746	ug/l #	50
38) Carbon Tetrachloride	7.95	117	28843	5.782	ug/l #	16
49) 1,4-Dioxane	9.53	88	31	1.227	ug/l #	1
76) 1,2,3-Trichloropropane	12.62	75	101303	66.987	ug/l #	1
81) trans-1,4-Dichloro-2-buten	12.62	75	101303	149.833	ug/l #	5

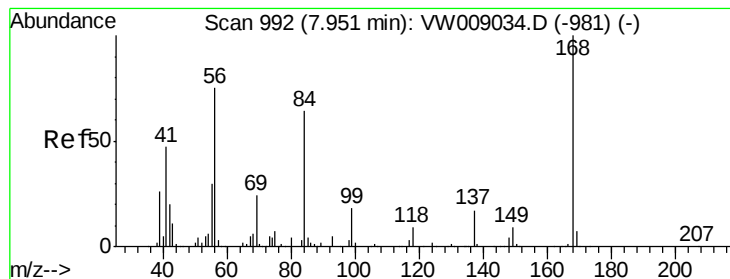
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA_W\DATA\VW031119\
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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.95 min Scan# 991

Delta R.T. -0.01 min

Lab File: VW009091.D

Acq: 11 Mar 2019 17:18

Instrument :

MSVOA_W

ClientSampleId :

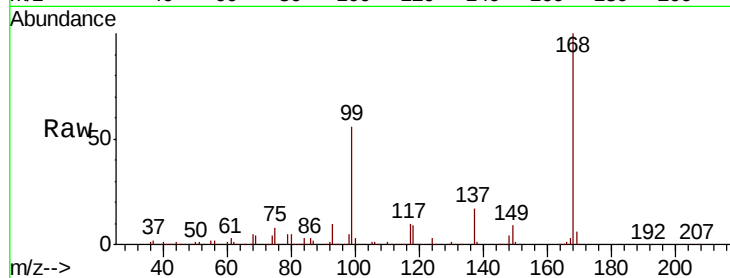
MR-MH-05-COMP

Tgt Ion:168 Resp: 286327

Ion Ratio Lower Upper

168 100

99 56.2 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

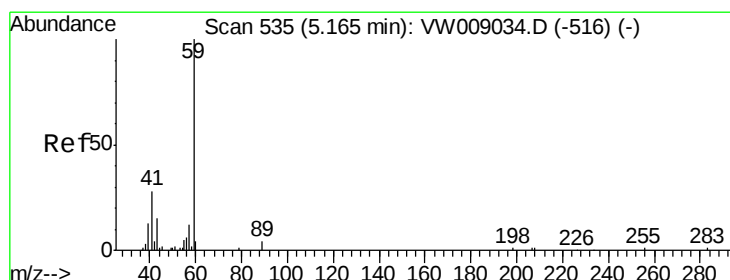
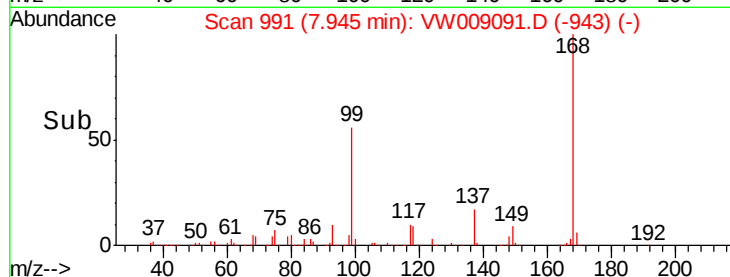
100000

50000

0

7.90 8.00

Time-->



#11

Tert butyl alcohol

Concen: 33.830 ug/l

RT: 5.13 min Scan# 530

Delta R.T. -0.03 min

Lab File: VW009091.D

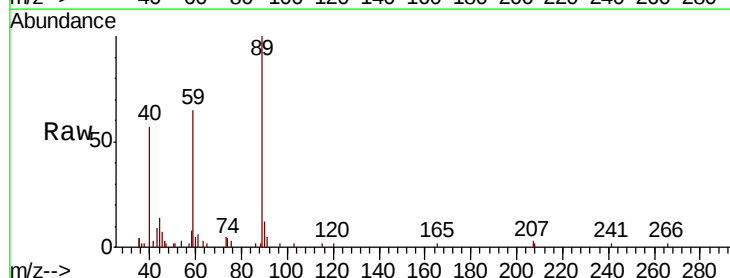
Acq: 11 Mar 2019 17:18

Tgt Ion: 59 Resp: 7468

Ion Ratio Lower Upper

59 100

57 2.1 8.6 12.8#



Abundance Ion 59.00 (58.70 to 59.70): VW

Ion 57.00 (56.70 to 57.70): VW

5.13

2000

1500

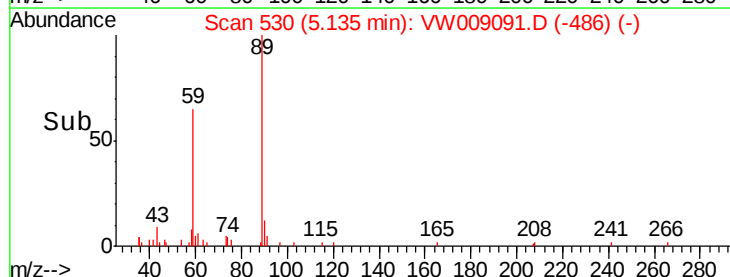
1000

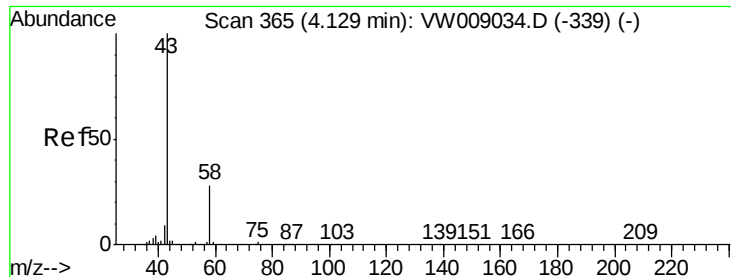
500

0

5.00 5.10 5.20

Time-->





#16

Acetone

Concen: 35.392 ug/l

RT: 4.12 min Scan# 364

Delta R.T. -0.01 min

Lab File: VW009091.D

Acq: 11 Mar 2019 17:18

Instrument :

MSVOA_W

ClientSampleId :

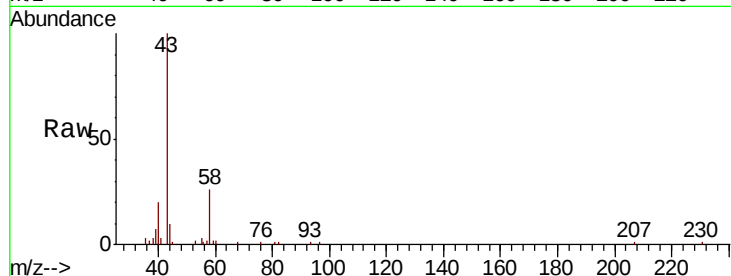
MR-MH-05-COMP

Tgt Ion: 43 Resp: 23007

Ion Ratio Lower Upper

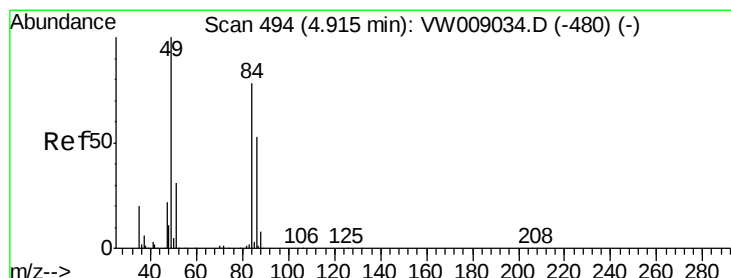
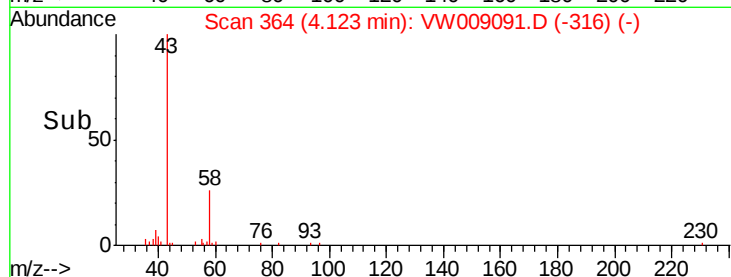
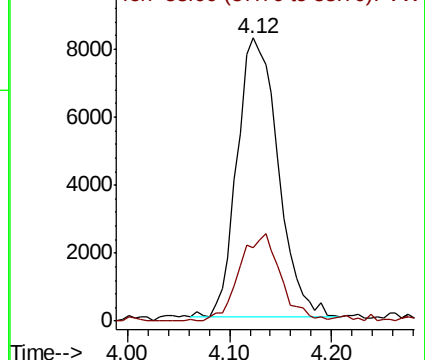
43 100

58 25.4 22.5 33.7



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW



#20

Methylene Chloride

Concen: 6.188 ug/l

RT: 4.92 min Scan# 494

Delta R.T. 0.00 min

Lab File: VW009091.D

Acq: 11 Mar 2019 17:18

Tgt Ion: 84 Resp: 33462

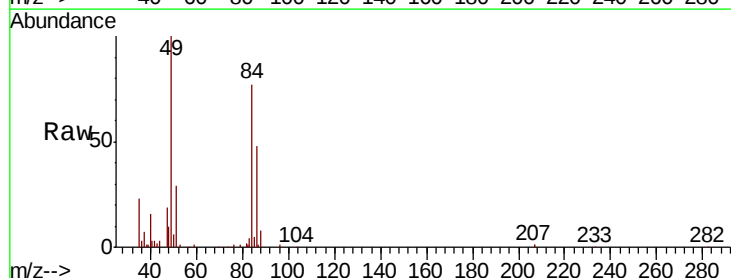
Ion Ratio Lower Upper

84 100

49 128.6 102.4 153.6

51 36.3 31.6 47.4

86 62.7 54.5 81.7

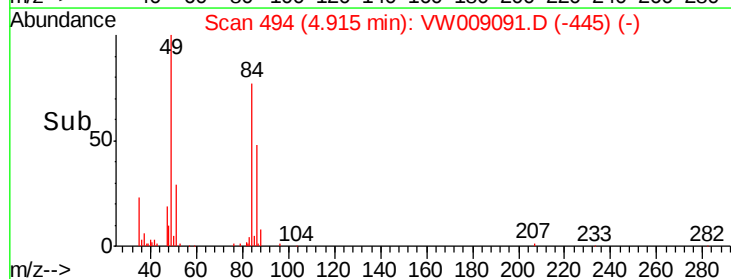
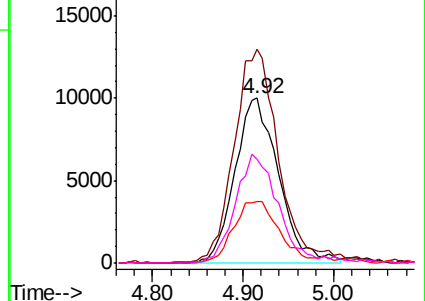


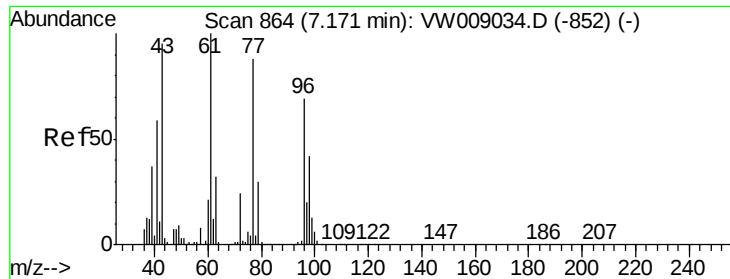
Abundance Ion 83.90 (83.60 to 84.60): VW

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: 4.332 ug/l

RT: 7.15 min Scan# 860

Delta R.T. -0.02 min

Lab File: VW009091.D

Acq: 11 Mar 2019 17:18

Instrument :

MSVOA_W

ClientSampleId :

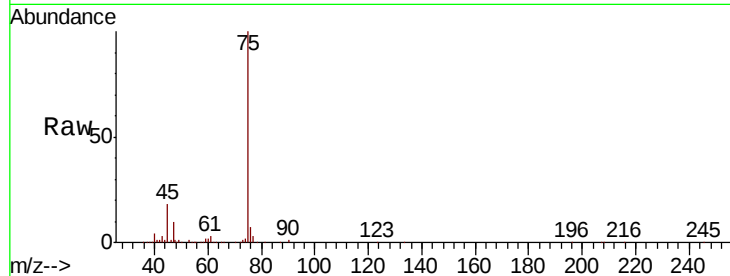
MR-MH-05-COMP

Tgt Ion: 43 Resp: 3892

Ion Ratio Lower Upper

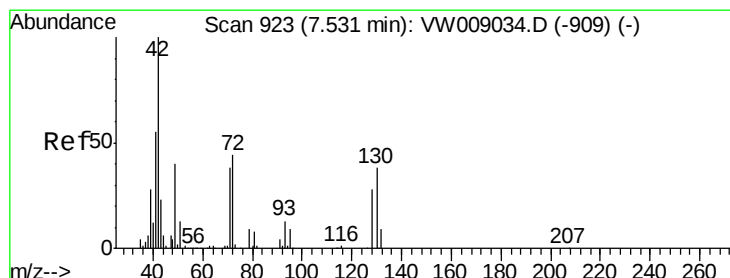
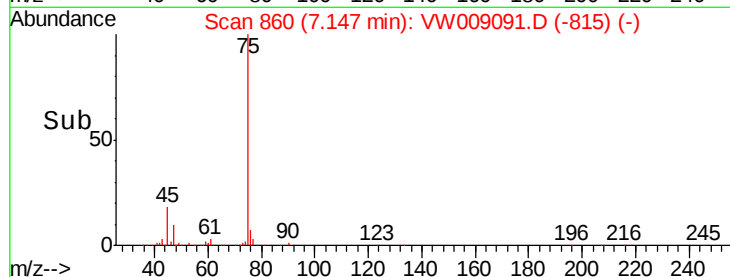
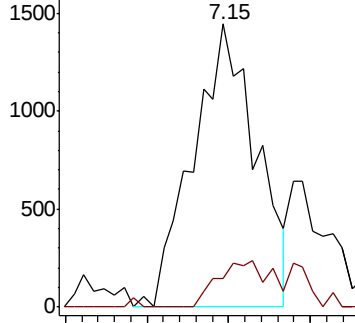
43 100

72 6.4 20.0 30.0#



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 72.00 (71.70 to 72.70): VW



#29

Tetrahydrofuran

Concen: 2.960 ug/l

RT: 7.52 min Scan# 922

Delta R.T. -0.01 min

Lab File: VW009091.D

Acq: 11 Mar 2019 17:18

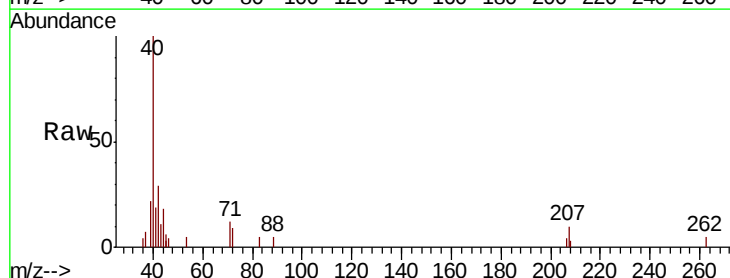
Tgt Ion: 42 Resp: 1676

Ion Ratio Lower Upper

42 100

72 49.6 32.2 48.4#

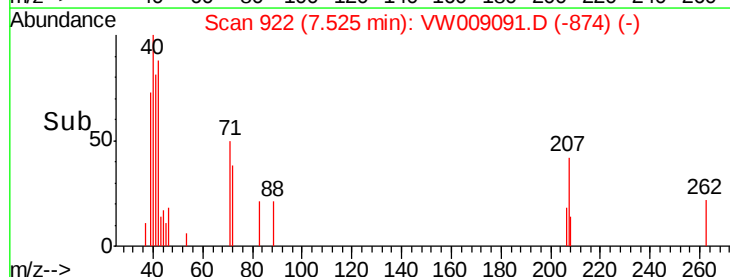
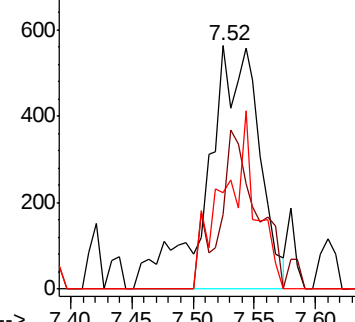
71 46.4 30.7 46.1#

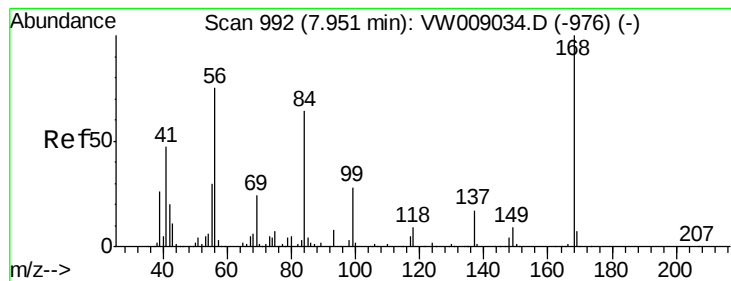


Abundance Ion 42.00 (41.70 to 42.70): VW

Ion 72.00 (71.70 to 72.70): VW

Ion 71.00 (70.70 to 71.70): VW





#31

Cyclohexane

Concen: 1.372 ug/l

RT: 7.94 min Scan# 990

Delta R.T. -0.01 min

Lab File: VW009091.D

Acq: 11 Mar 2019 17:18

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MR-MH-05-COMP

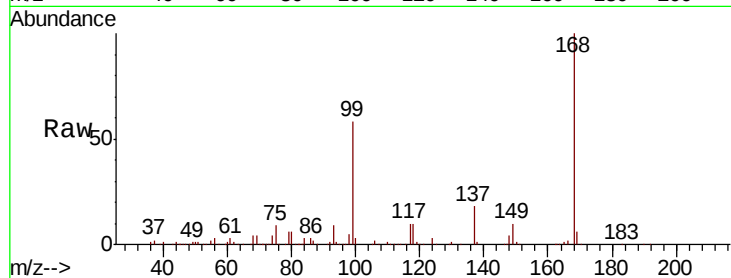
Tgt Ion: 56 Resp: 7373

Ion Ratio Lower Upper

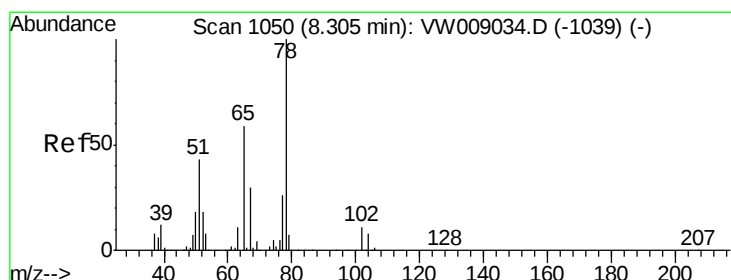
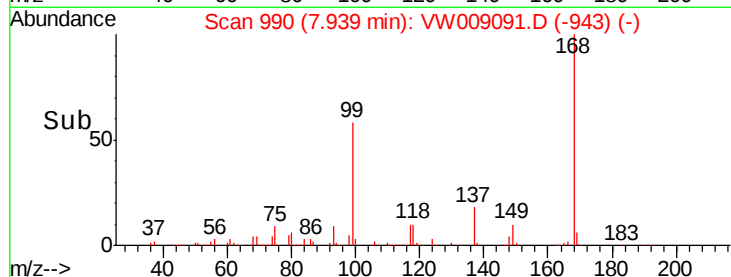
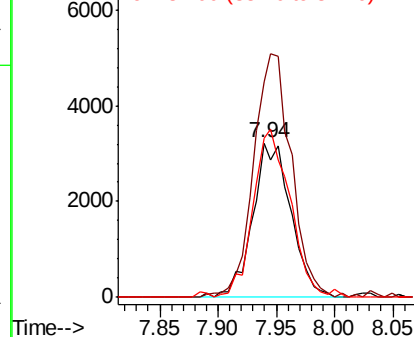
56 100

69 139.7 25.5 38.3#

84 103.3 68.6 103.0#



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: 59.460 ug/l

RT: 8.31 min Scan# 1050

Delta R.T. 0.00 min

Lab File: VW009091.D

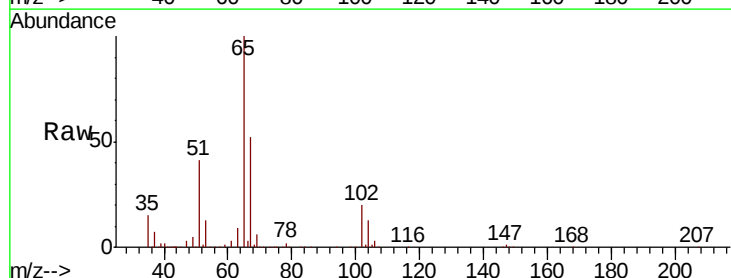
Acq: 11 Mar 2019 17:18

Tgt Ion: 65 Resp: 171288

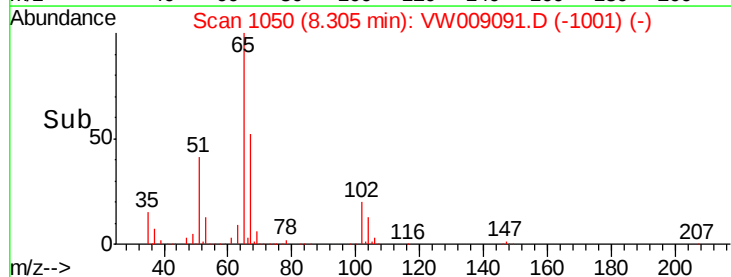
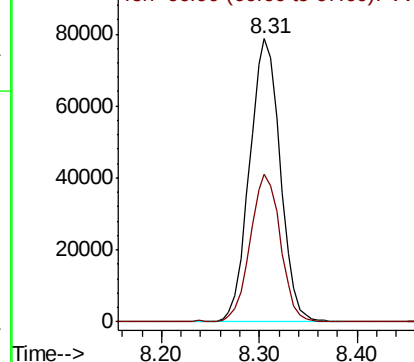
Ion Ratio Lower Upper

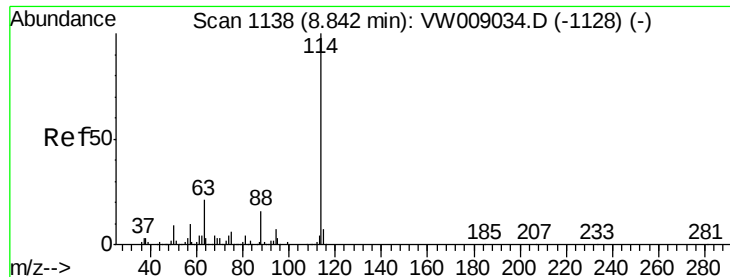
65 100

67 51.4 0.0 103.0



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

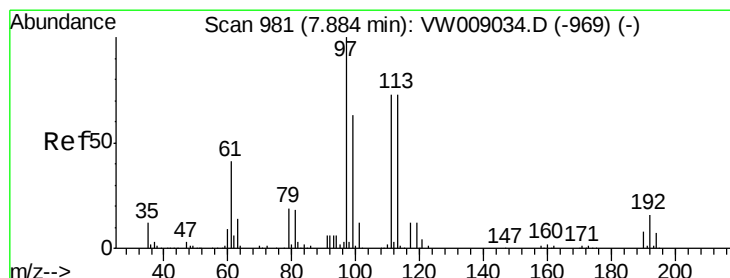
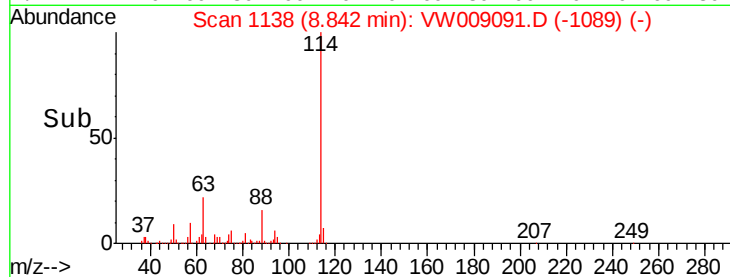
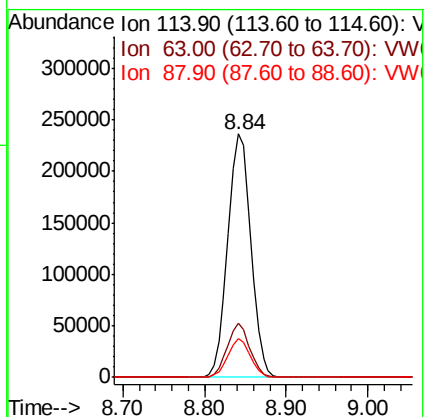
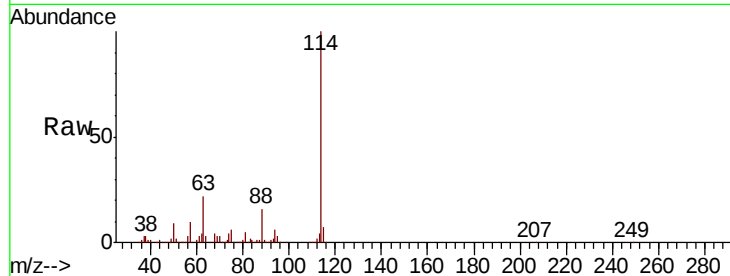




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.84 min Scan# 1138
Delta R.T. 0.00 min
Lab File: VW009091.D
Acq: 11 Mar 2019 17:18

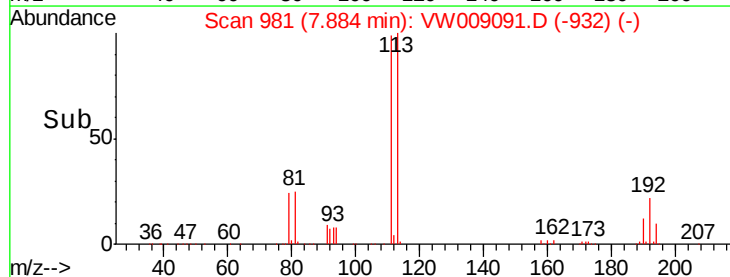
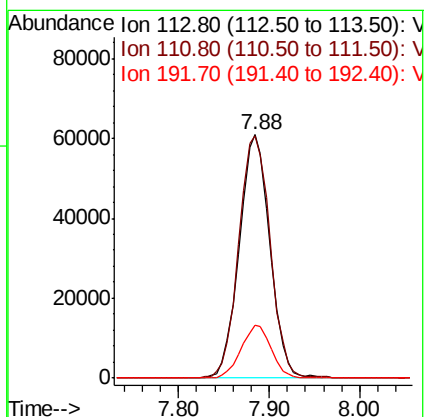
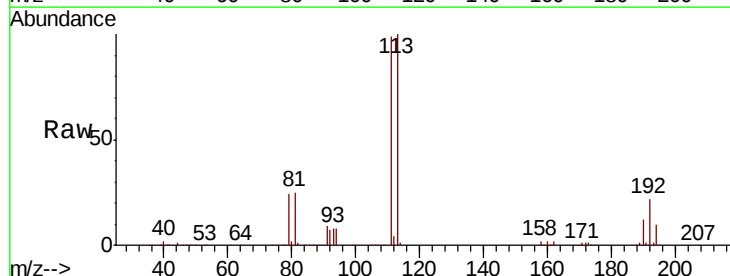
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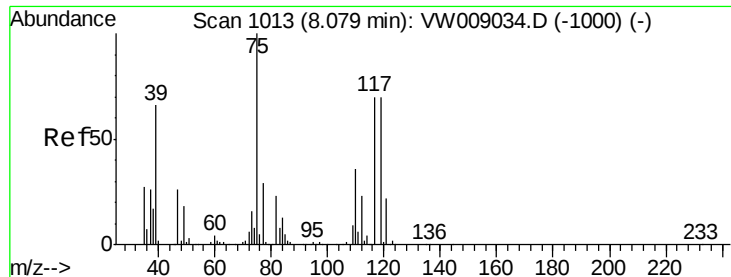
Tgt Ion:114 Resp: 461942
Ion Ratio Lower Upper
114 100
63 22.2 0.0 41.2
88 15.7 0.0 31.2



#35
Dibromofluoromethane
Concen: 51.148 ug/l
RT: 7.88 min Scan# 981
Delta R.T. 0.00 min
Lab File: VW009091.D
Acq: 11 Mar 2019 17:18

Tgt Ion:113 Resp: 142257
Ion Ratio Lower Upper
113 100
111 102.0 81.0 121.4
192 21.4 17.1 25.7

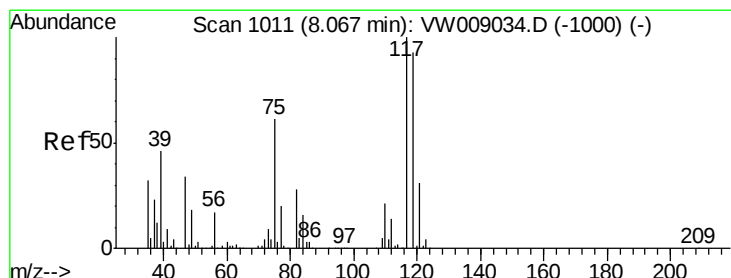
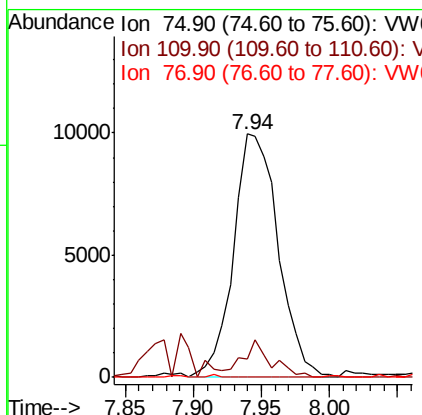
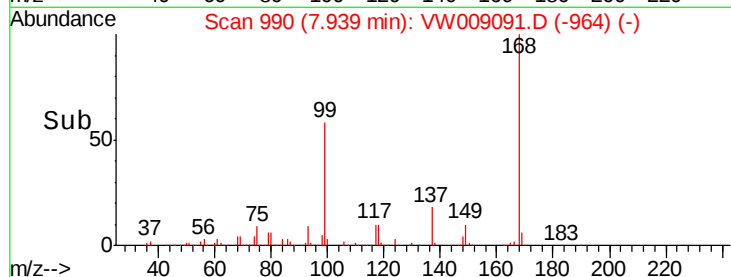
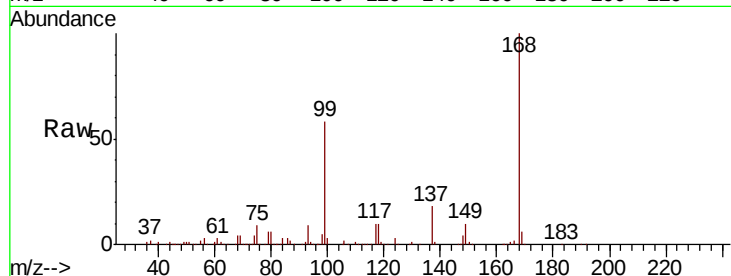




#36
 1,1-Dichloropropene
 Concen: 4.746 ug/l
 RT: 7.94 min Scan# 990
 Delta R.T. -0.14 min
 Lab File: VW009091.D
 Acq: 11 Mar 2019 17:18

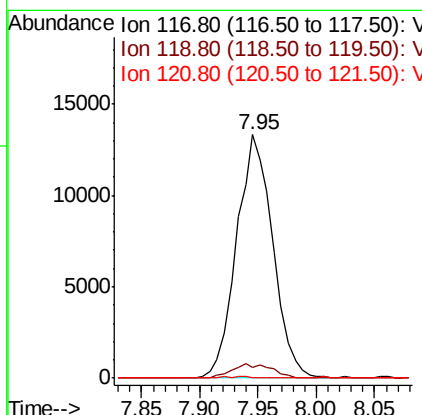
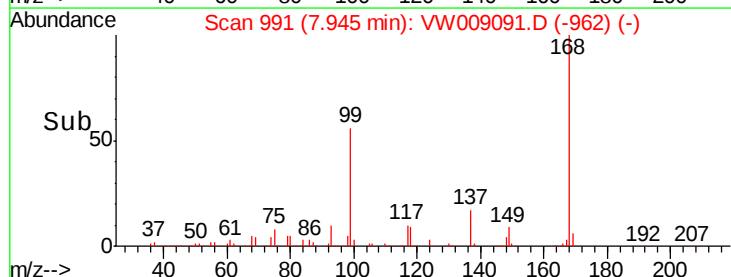
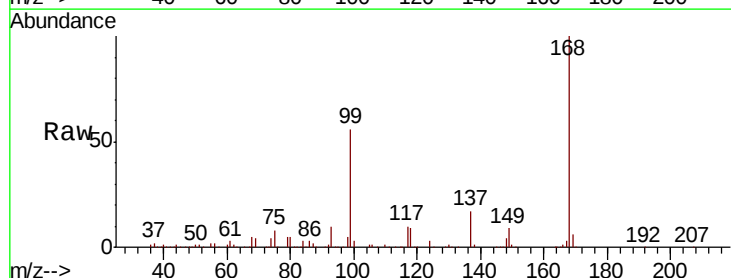
Instrument :
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 MR-MH-05-COMP

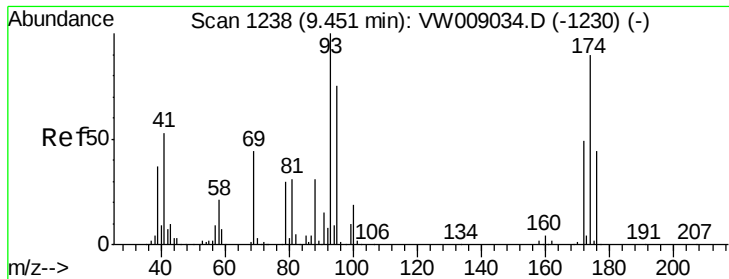
Tgt Ion: 75 Resp: 22925
 Ion Ratio Lower Upper
 75 100
 110 9.8 17.6 52.9#
 77 0.0 25.1 37.7#



#38
 Carbon Tetrachloride
 Concen: 5.782 ug/l
 RT: 7.95 min Scan# 991
 Delta R.T. -0.12 min
 Lab File: VW009091.D
 Acq: 11 Mar 2019 17:18

Tgt Ion: 117 Resp: 28843
 Ion Ratio Lower Upper
 117 100
 119 4.1 74.6 112.0#
 121 0.0 24.7 37.1#

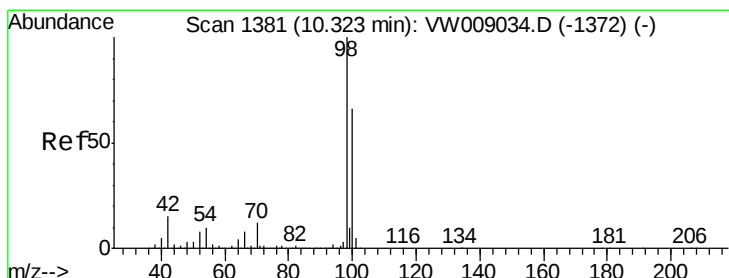
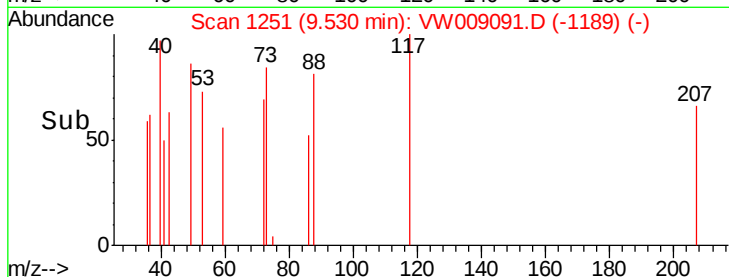
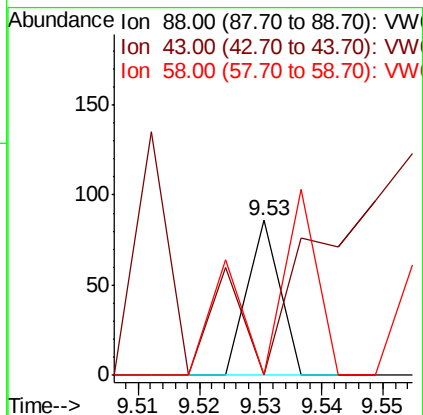
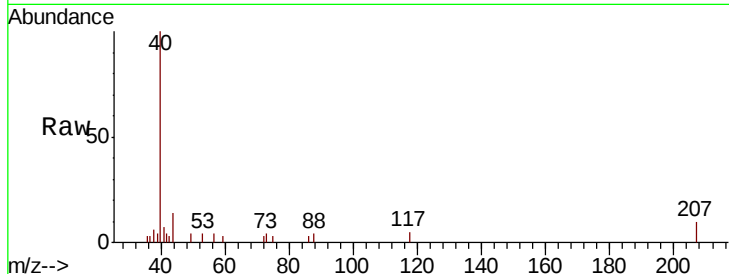




#49
1,4-Dioxane
Concen: 1.227 ug/l
RT: 9.53 min Scan# 1251
Delta R.T. 0.08 min
Lab File: VW009091.D
Acq: 11 Mar 2019 17:18

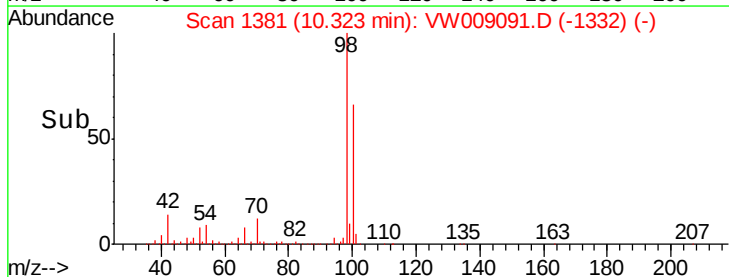
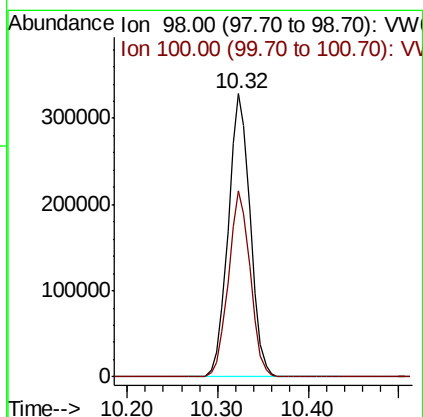
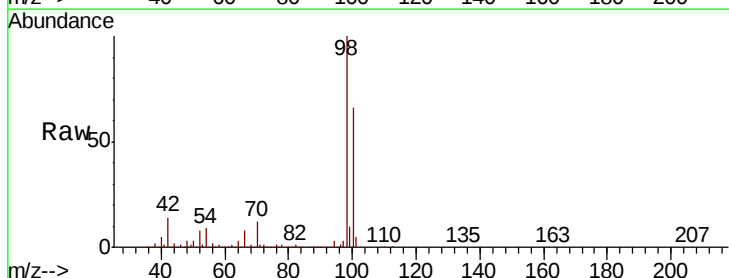
Instrument :
MSVOA_W
ClientSampleId :
MR-MH-05-COMP

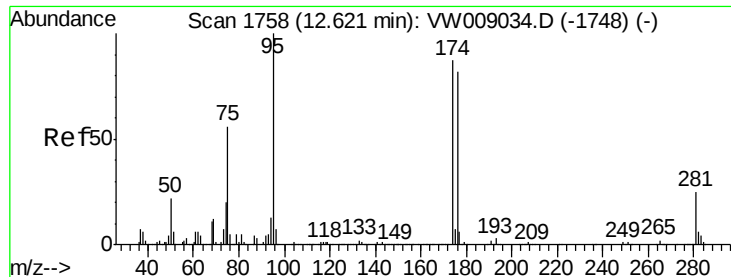
Tgt Ion: 88 Resp: 31
Ion Ratio Lower Upper
88 100
43 0.0 29.0 43.4#
58 196.8 59.2 88.8#



#50
Toluene-d8
Concen: 49.007 ug/l
RT: 10.32 min Scan# 1381
Delta R.T. 0.00 min
Lab File: VW009091.D
Acq: 11 Mar 2019 17:18

Tgt Ion: 98 Resp: 559815
Ion Ratio Lower Upper
98 100
100 65.0 51.9 77.9





#62

4-Bromofluorobenzene

Concen: 41.560 ug/l

RT: 12.62 min Scan# 1758

Delta R.T. 0.00 min

Lab File: VW009091.D

Acq: 11 Mar 2019 17:18

Instrument :

MSVOA_W

ClientSampleId :

MR-MH-05-COMP

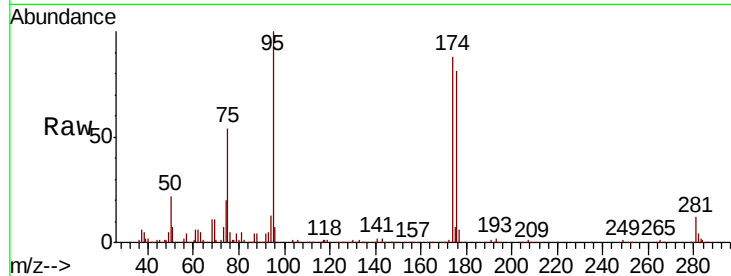
Tgt Ion: 95 Resp: 186892

Ion Ratio Lower Upper

95 100

174 87.3 0.0 167.0

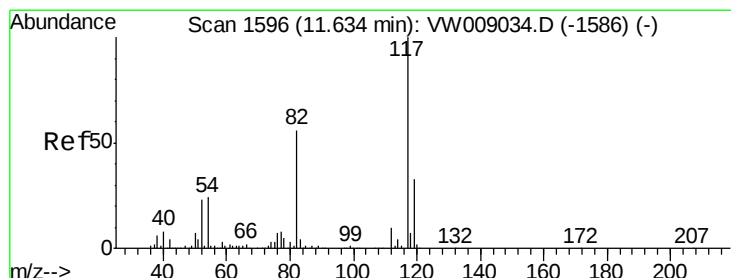
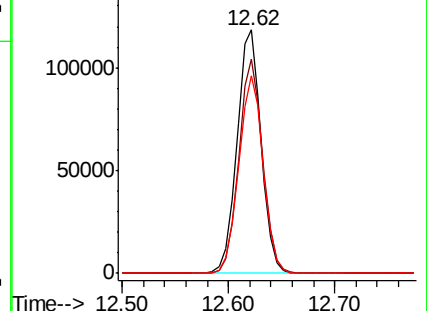
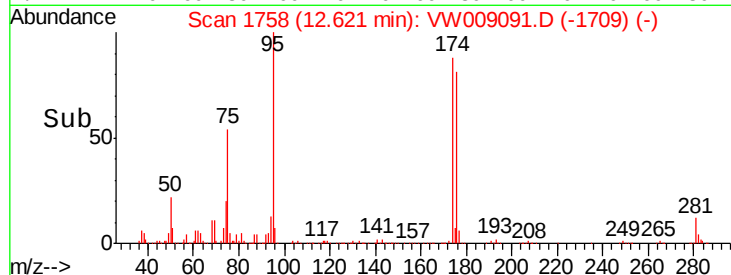
176 82.2 0.0 159.4



Abundance Ion 94.90 (94.60 to 95.60): VW

Ion 173.80 (173.50 to 174.50): VW

Ion 175.80 (175.50 to 176.50): VW



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.63 min Scan# 1596

Delta R.T. 0.00 min

Lab File: VW009091.D

Acq: 11 Mar 2019 17:18

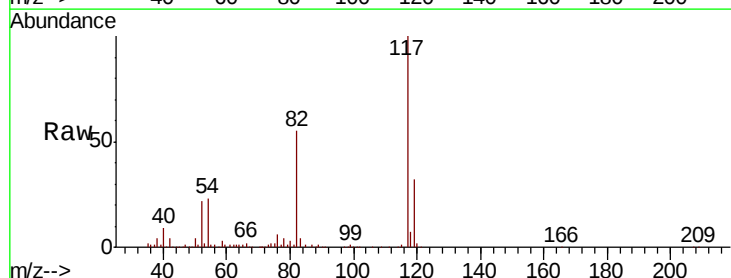
Tgt Ion: 117 Resp: 411552

Ion Ratio Lower Upper

117 100

82 54.7 45.0 67.6

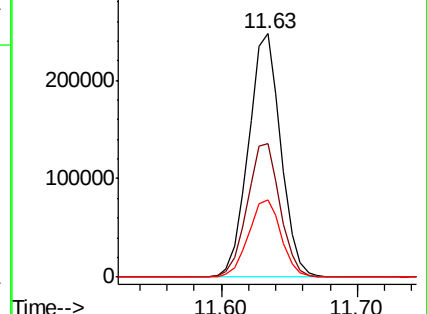
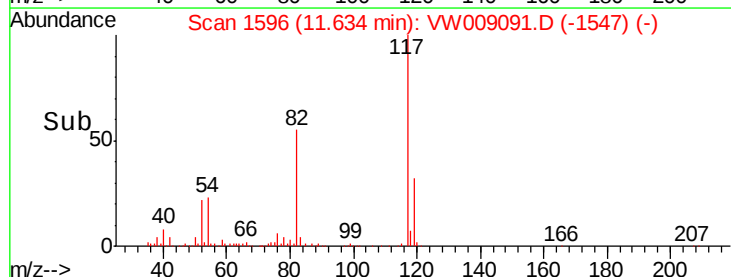
119 31.6 26.6 39.8

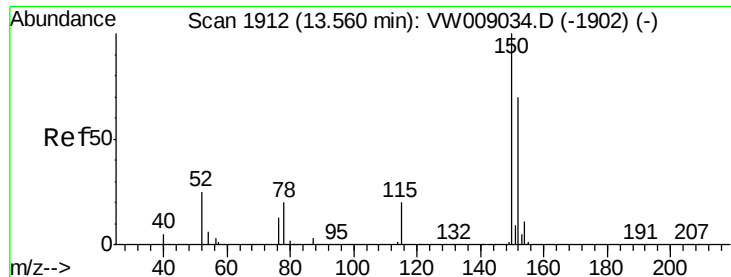


Abundance Ion 116.90 (116.60 to 117.60): VW

Ion 82.00 (81.70 to 82.70): VW

Ion 118.90 (118.60 to 119.60): VW





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.56 min Scan# 1912

Delta R.T. 0.00 min

Lab File: VW009091.D

Acq: 11 Mar 2019 17:18

Instrument :

MSVOA_W

ClientSampleId :

MR-MH-05-COMP

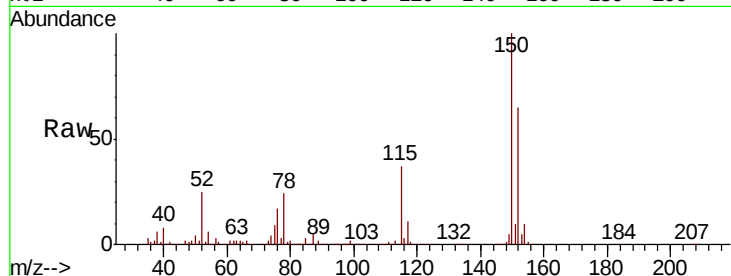
Tgt Ion:152 Resp: 191407

Ion Ratio Lower Upper

152 100

115 58.2 28.9 86.7

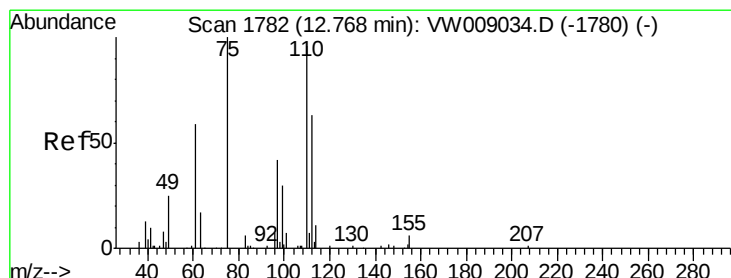
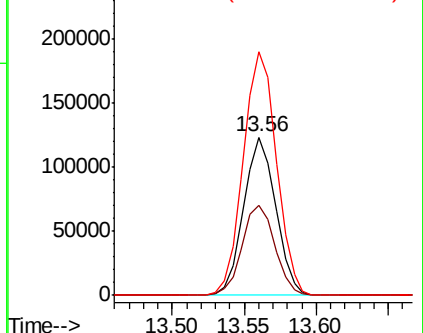
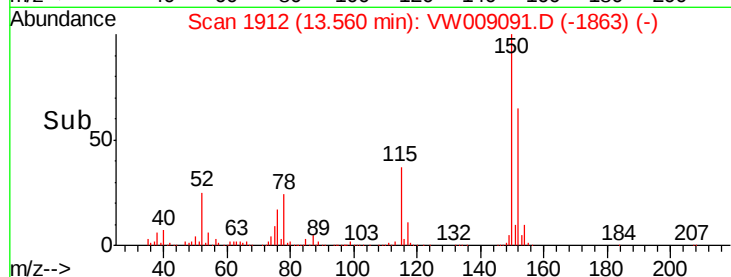
150 159.0 0.0 349.2



Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V



#76

1,2,3-Trichloropropane

Concen: 66.987 ug/l

RT: 12.62 min Scan# 1758

Delta R.T. -0.15 min

Lab File: VW009091.D

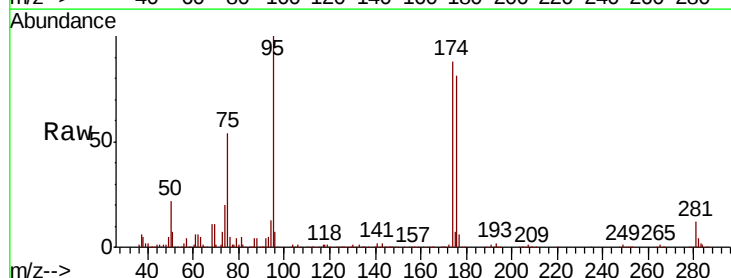
Acq: 11 Mar 2019 17:18

Tgt Ion: 75 Resp: 101303

Ion Ratio Lower Upper

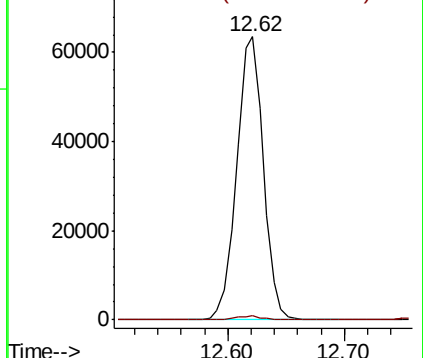
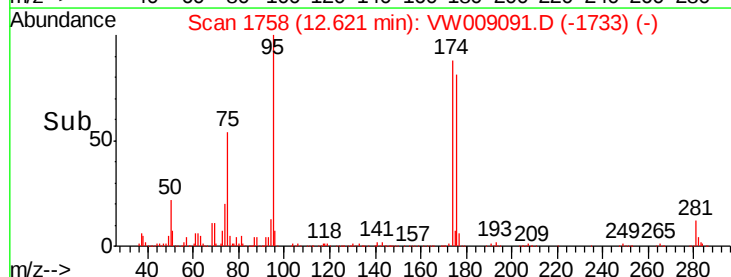
75 100

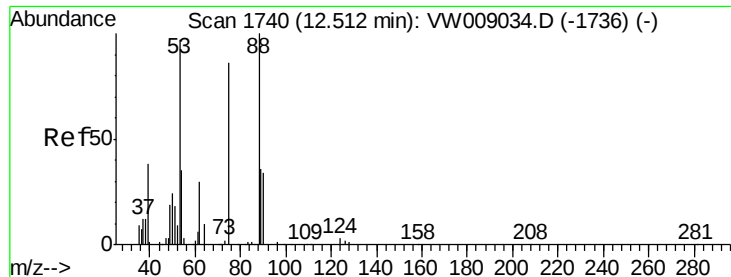
77 1.4 186.7 560.0#



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: 149.833 ug/l

RT: 12.62 min Scan# 1758

Delta R.T. 0.11 min

Lab File: VW009091.D

Acq: 11 Mar 2019 17:18

Instrument :

MSVOA_W

ClientSampleId :

MR-MH-05-COMP

Tgt Ion: 75 Resp: 101303

Ion Ratio Lower Upper

75 100

53 0.5 90.5 135.7#

89 0.1 37.5 56.3#

