

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW010919\
 Data File : VW008133.D
 Acq On : 10 Jan 2019 06:18
 Operator : SY/AP
 Sample : K1087-11
 Misc : 5.05G/5ML/MSVOA_W/SOIL
 ALS Vial : 45 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 MH-445-10.0-11-0

Quant Time: Jan 10 08:07:23 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W010819S.M
 Quant Title : SW846 8260
 QLast Update : Wed Jan 09 04:40:48 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	26670	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	45288	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	39140	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	15673	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	16603	55.39	ug/l	0.00
Spiked Amount			Recovery	=	110.78%	
35) Dibromofluoromethane	7.88	113	14251	53.95	ug/l	0.00
Spiked Amount			Recovery	=	107.90%	
50) Toluene-d8	10.32	98	58125	52.44	ug/l	0.00
Spiked Amount			Recovery	=	104.88%	
62) 4-Bromofluorobenzene	12.62	95	17360	43.69	ug/l	0.00
Spiked Amount			Recovery	=	87.38%	

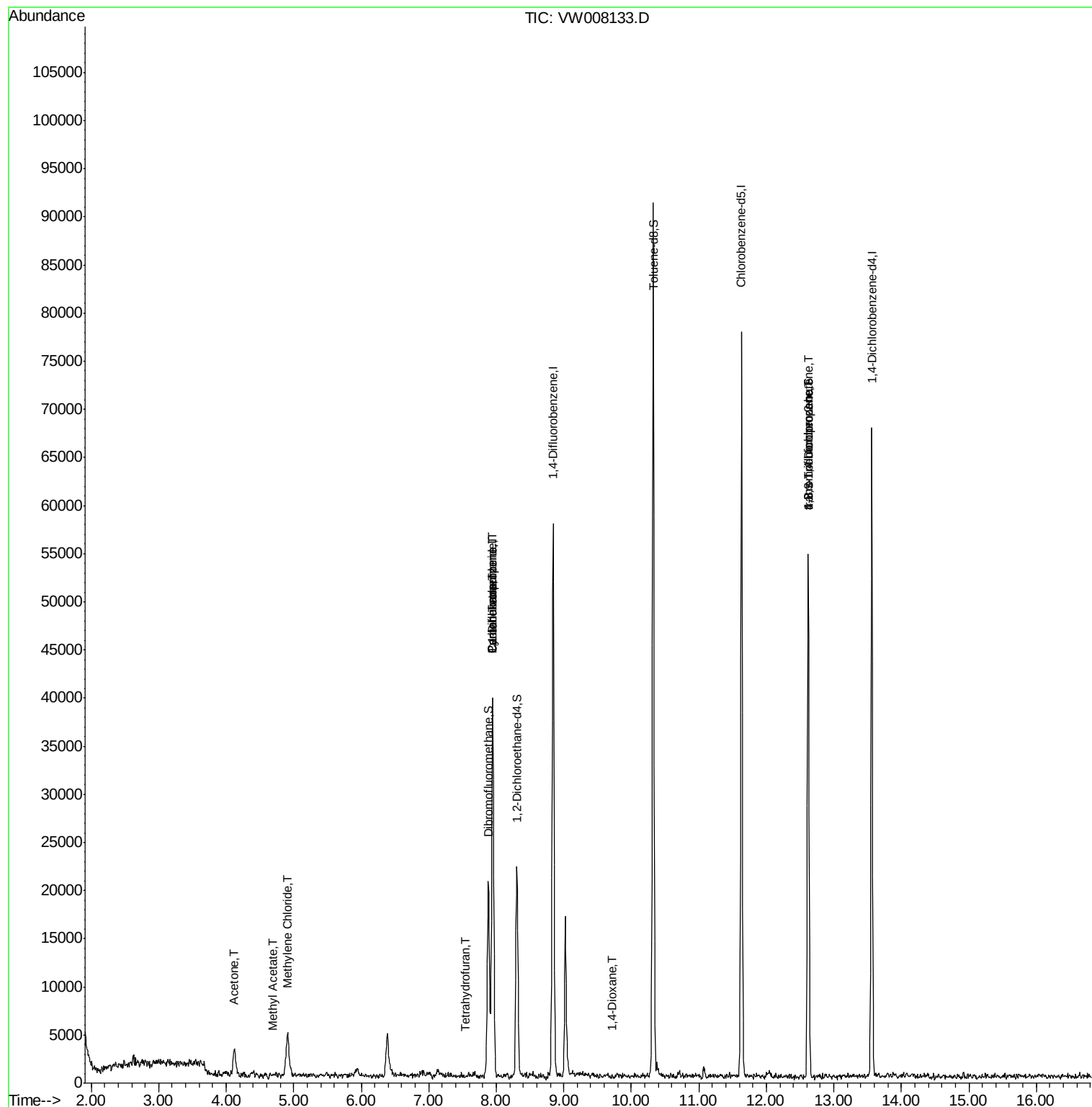
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
11) Tert butyl alcohol	5.21	59	22	Below Cal	#	100
13) Acrolein	3.88	56	20	Below Cal	#	1
16) Acetone	4.12	43	4886	75.960	ug/l #	85
18) Methyl Acetate	4.68	43	220	1.161	ug/l #	52
20) Methylene Chloride	4.91	84	3296	7.037	ug/l #	77
29) Tetrahydrofuran	7.54	42	165	2.962	ug/l #	35
31) Cyclohexane	7.95	56	822	1.303	ug/l #	29
36) 1,1-Dichloropropene	7.95	75	2680	5.745	ug/l #	47
38) Carbon Tetrachloride	7.95	117	3046	7.134	ug/l #	18
49) 1,4-Dioxane	9.72	88	20	8.071	ug/l #	11
76) 1,2,3-Trichloropropane	12.62	75	9246	64.713	ug/l #	1
81) trans-1,4-Dichloro-2-buten	12.62	75	9246	150.697	ug/l #	10

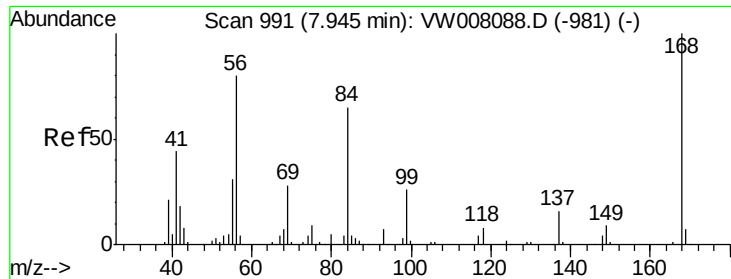
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.95 min Scan# 991

Delta R.T. -0.00 min

Lab File: VW008133.D

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MSVOA_W

ClientSampleId :

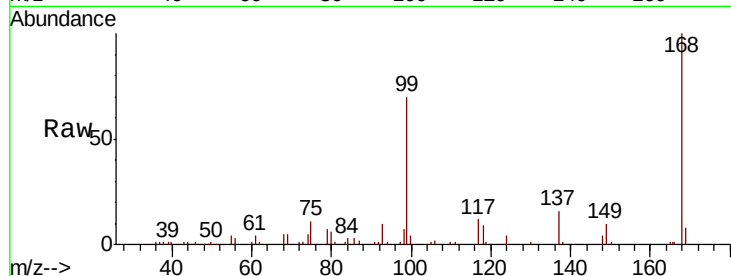
MH-445-10.0-11-0

Tgt Ion:168 Resp: 26670

Ion Ratio Lower Upper

168 100

99 69.7 52.6 78.8



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW

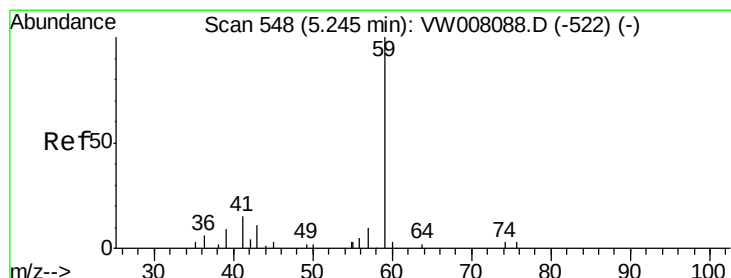
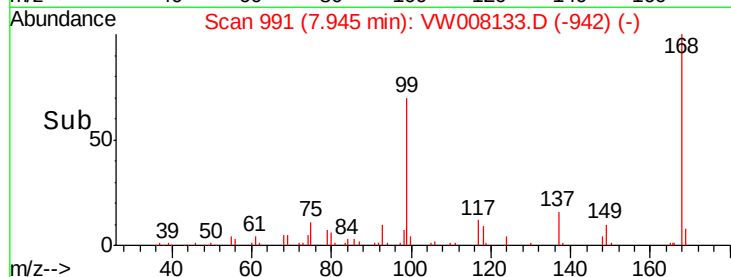
7.95

10000

5000

0

Time--> 7.85 7.90 7.95 8.00 8.05



#11

Tert butyl alcohol

Concen: Below Cal

RT: 5.21 min Scan# 543

Delta R.T. -0.03 min

Lab File: VW008133.D

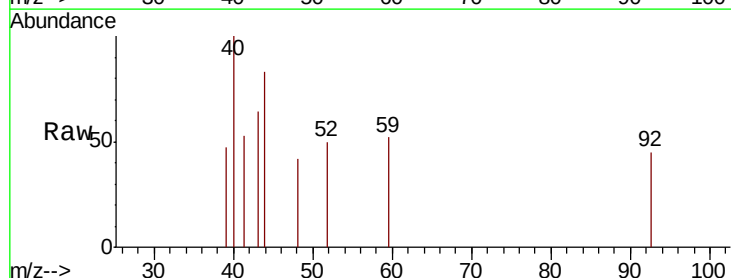
Acq: 10 Jan 2019 06:18

Tgt Ion: 59 Resp: 22

Ion Ratio Lower Upper

59 100

57 0.0 0.0 0.0



Abundance Ion 59.00 (58.70 to 59.70): VW

Ion 57.00 (56.70 to 57.70): VW

5.21

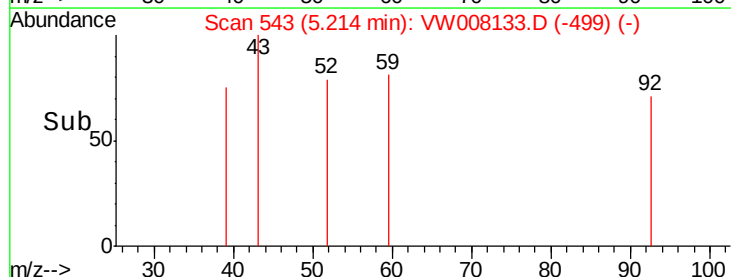
60

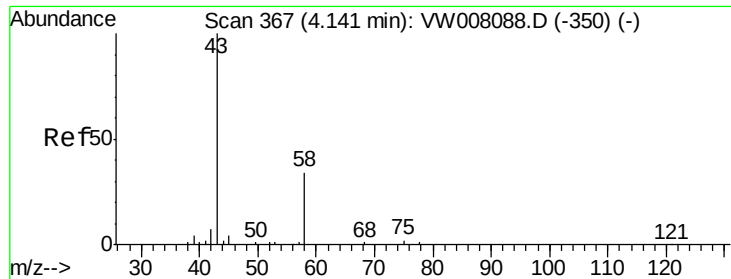
40

20

0

Time--> 5.19 5.20 5.21 5.22 5.23





#16

Acetone

Concen: 75.960 ug/l

RT: 4.12 min Scan# 363

Delta R.T. -0.02 min

Lab File: VW008133.D

Acq: 10 Jan 2019 06:18

Instrument :

MSVOA_W

ClientSampleId :

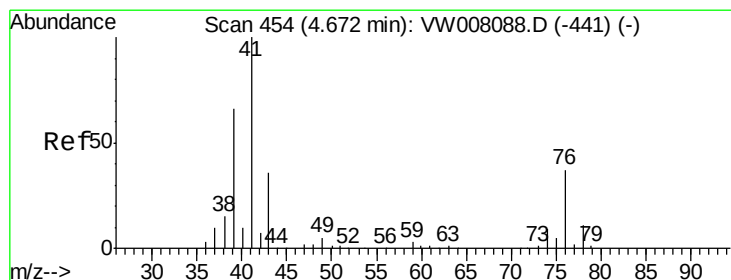
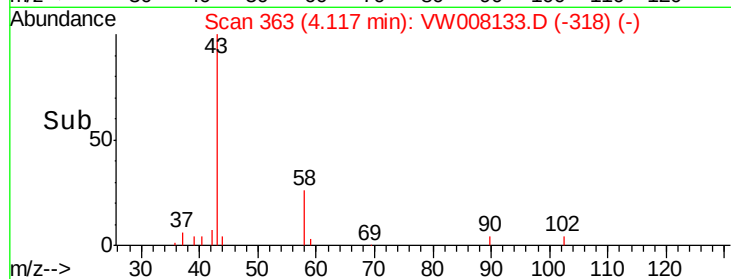
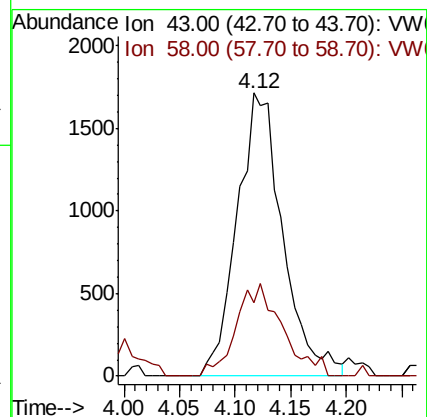
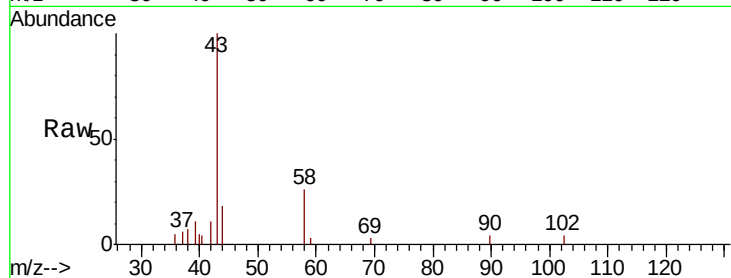
MH-445-10.0-11-0

Tgt Ion: 43 Resp: 4886

Ion Ratio Lower Upper

43 100

58 25.9 27.5 41.3#



#18

Methyl Acetate

Concen: 1.161 ug/l

RT: 4.68 min Scan# 455

Delta R.T. 0.01 min

Lab File: VW008133.D

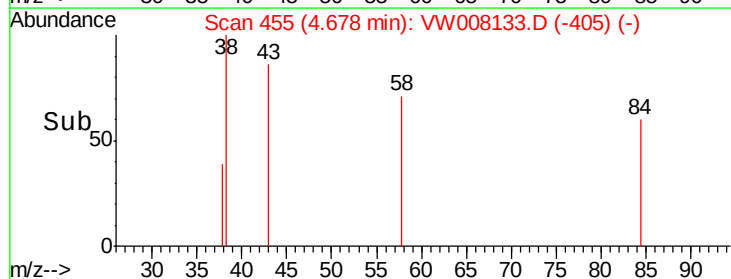
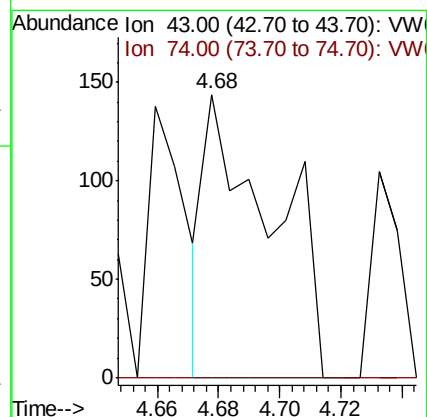
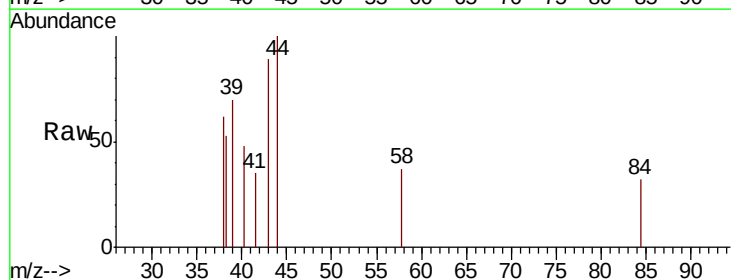
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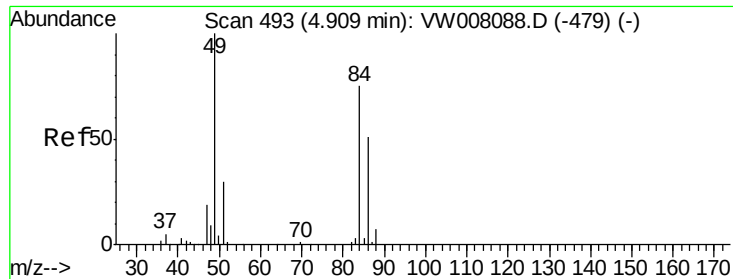
Tgt Ion: 43 Resp: 220

Ion Ratio Lower Upper

43 100

74 0.0 19.0 28.4#

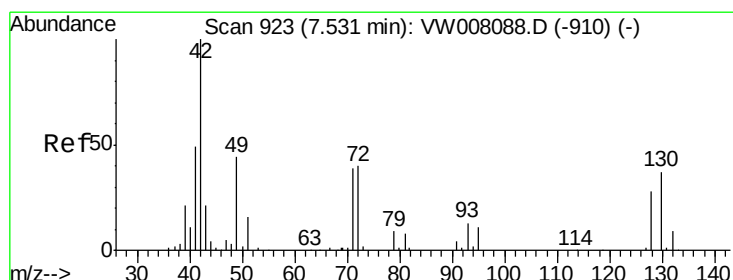
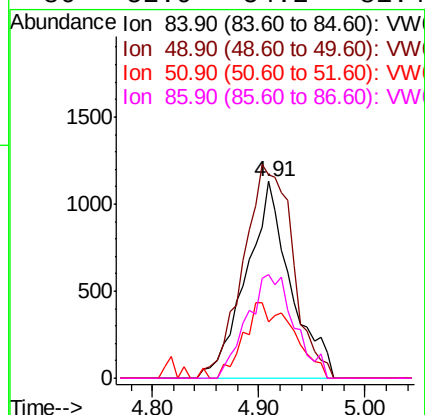
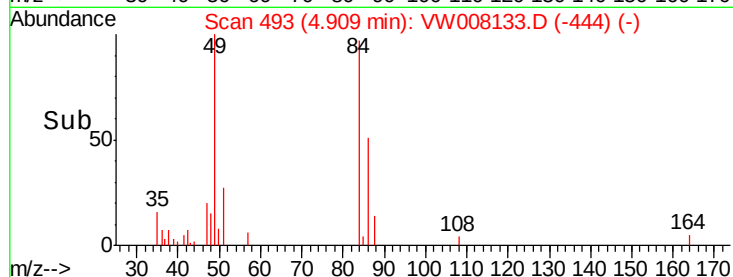
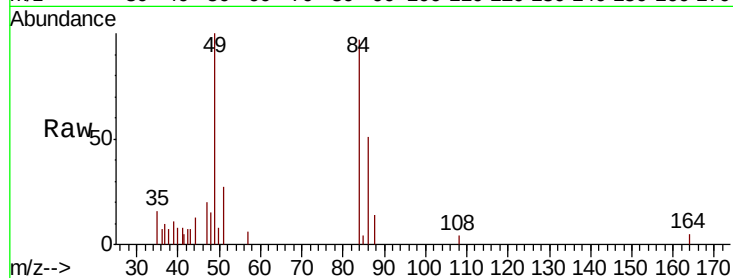




#20
Methylene Chloride
Concen: 7.037 ug/l
RT: 4.91 min Scan# 493
Delta R.T. 0.00 min
Lab File: VW008133.D
Acq: 10 Jan 2019 06:18

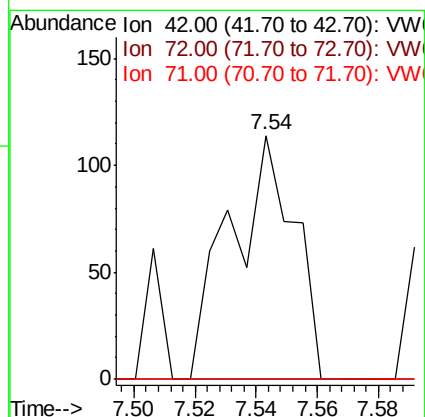
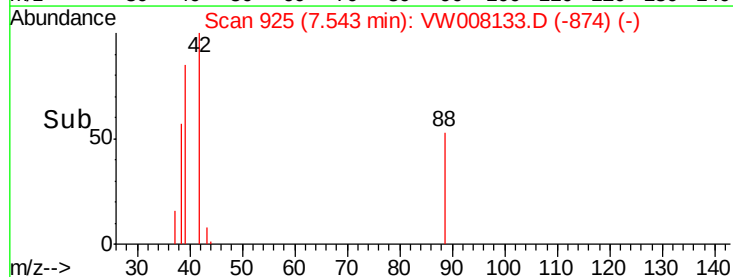
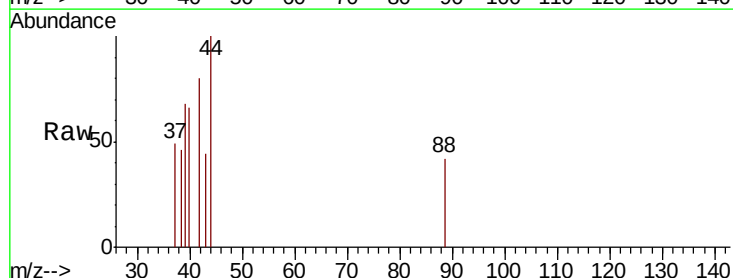
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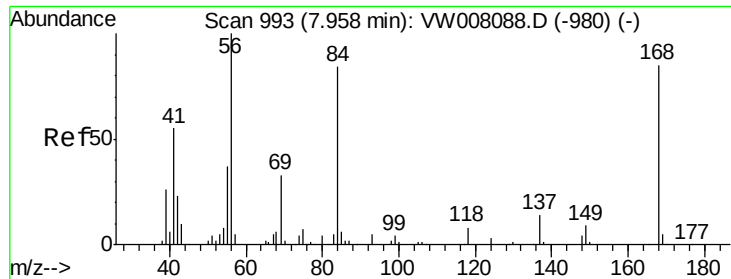
Tgt Ion: 84 Resp: 3296
Ion Ratio Lower Upper
84 100
49 103.5 107.1 160.7#
51 28.4 32.4 48.6#
86 52.9 54.2 81.4#



#29
Tetrahydrofuran
Concen: 2.962 ug/l
RT: 7.54 min Scan# 925
Delta R.T. 0.01 min
Lab File: VW008133.D
Acq: 10 Jan 2019 06:18

Tgt Ion: 42 Resp: 165
Ion Ratio Lower Upper
42 100
72 0.0 32.4 48.6#
71 0.0 31.3 46.9#

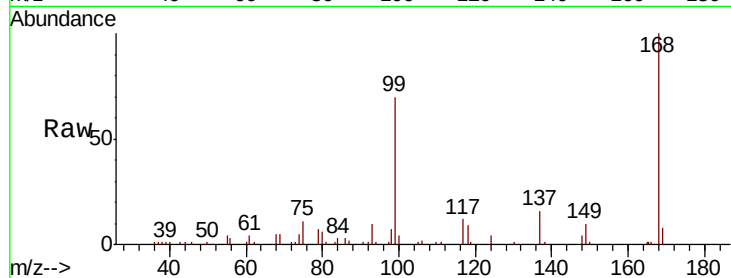




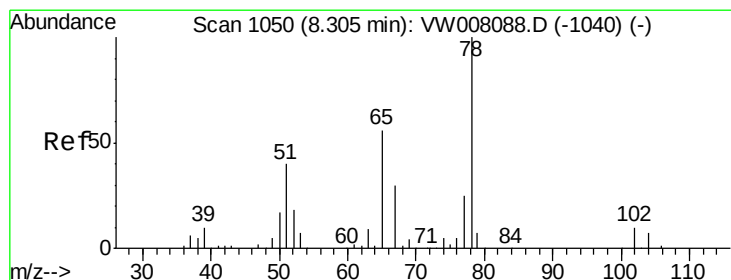
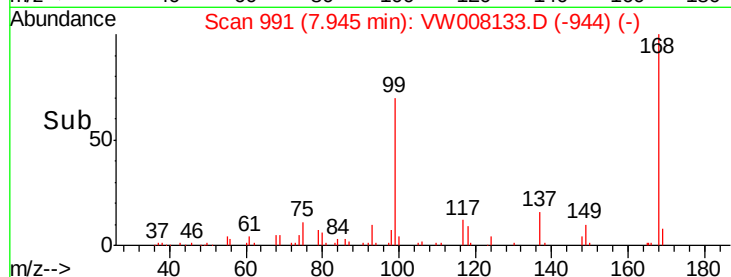
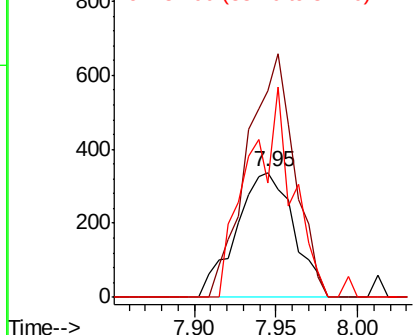
#31
Cyclohexane
Concen: 1.303 ug/l
RT: 7.95 min Scan# 991
Delta R.T. -0.01 min
Lab File: VW008133.D
Acq: 10 Jan 2019 06:18

Instrument :
MSVOA_W
ClientSampleId :
MH-445-10.0-11-0

Tgt Ion: 56 Resp: 822
Ion Ratio Lower Upper
56 100
69 164.8 26.2 39.4#
84 91.7 67.4 101.2

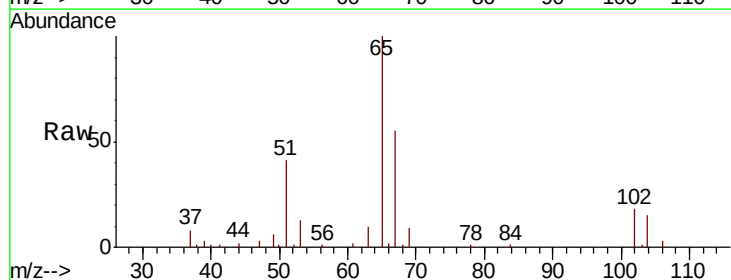


Abundance Ion 56.00 (55.70 to 56.70): VW
Ion 69.00 (68.70 to 69.70): VW
Ion 84.00 (83.70 to 84.70): VW

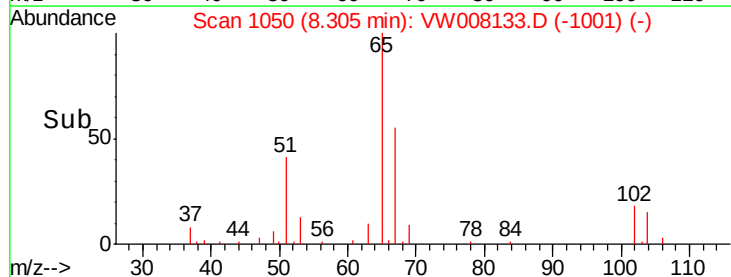
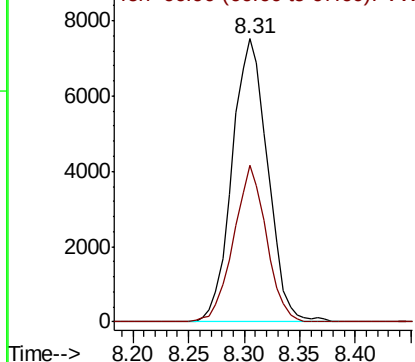


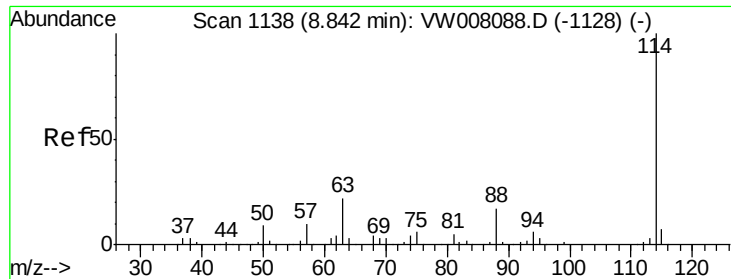
#33
1,2-Dichloroethane-d4
Concen: 55.390 ug/l
RT: 8.31 min Scan# 1050
Delta R.T. -0.00 min
Lab File: VW008133.D
Acq: 10 Jan 2019 06:18

Tgt Ion: 65 Resp: 16603
Ion Ratio Lower Upper
65 100
67 51.1 0.0 106.8



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

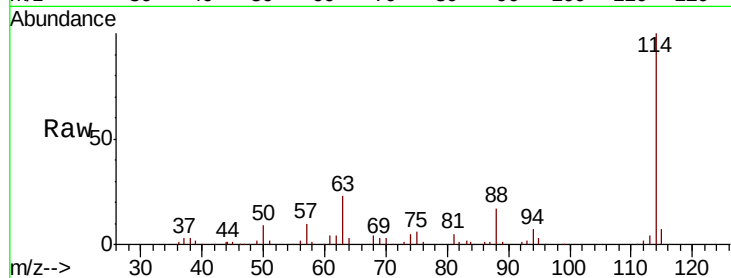




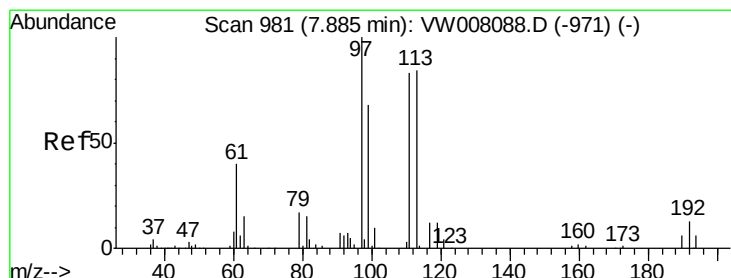
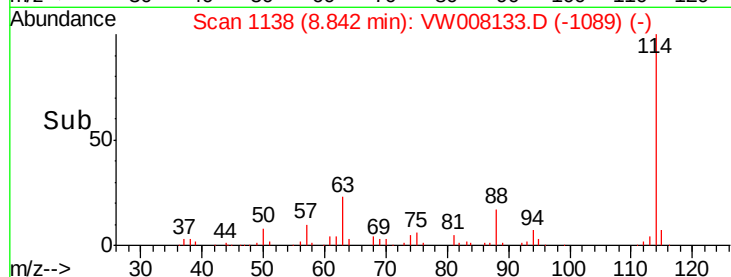
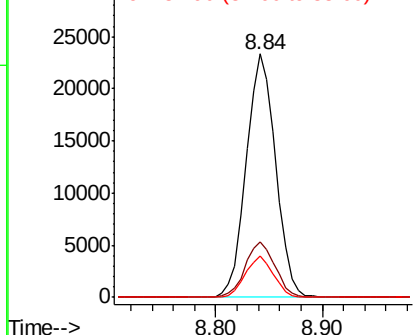
#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.84 min Scan# 1138
Delta R.T. -0.00 min
Lab File: VW008133.D
Acq: 10 Jan 2019 06:18

Instrument :
MSVOA_W
ClientSampleId :
MH-445-10.0-11-0

Tgt Ion:114 Resp: 45288
Ion Ratio Lower Upper
114 100
63 23.0 0.0 43.4
88 17.1 0.0 33.4

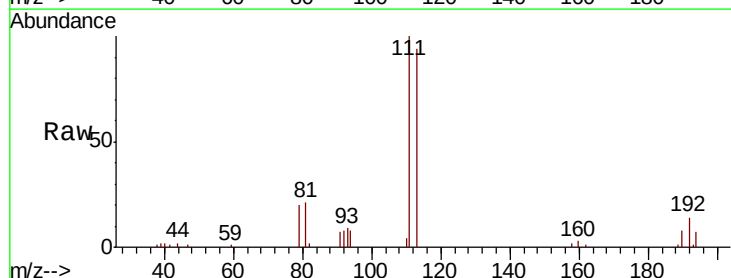


Abundance Ion 113.90 (113.60 to 114.60): V
Ion 63.00 (62.70 to 63.70): VW
Ion 87.90 (87.60 to 88.60): VW

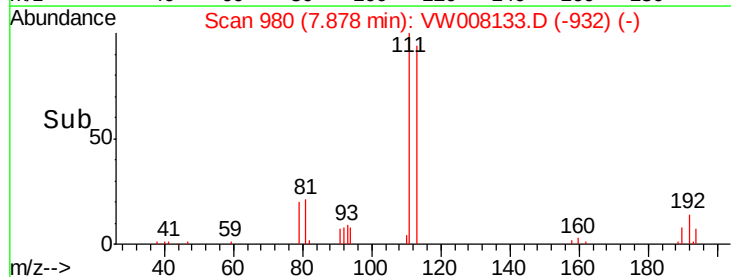
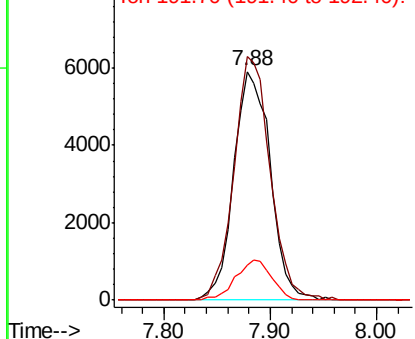


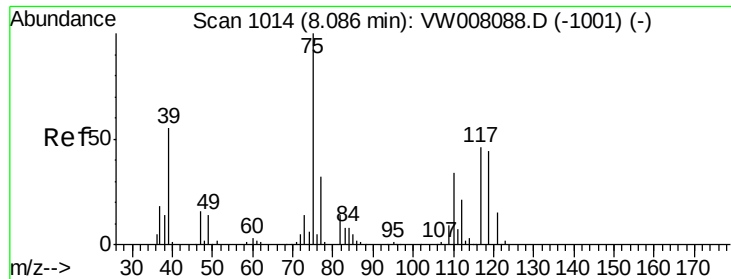
#35
Dibromofluoromethane
Concen: 53.953 ug/l
RT: 7.88 min Scan# 980
Delta R.T. -0.01 min
Lab File: VW008133.D
Acq: 10 Jan 2019 06:18

Tgt Ion:113 Resp: 14251
Ion Ratio Lower Upper
113 100
111 105.5 81.8 122.8
192 17.3 12.8 19.2



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

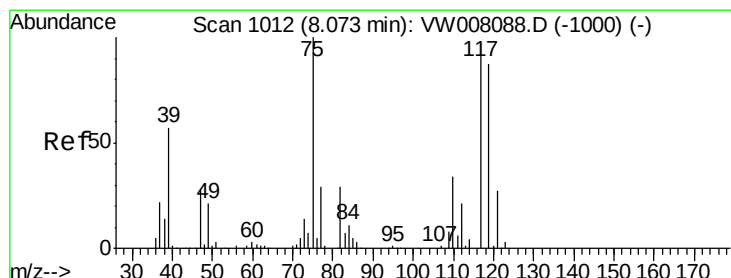
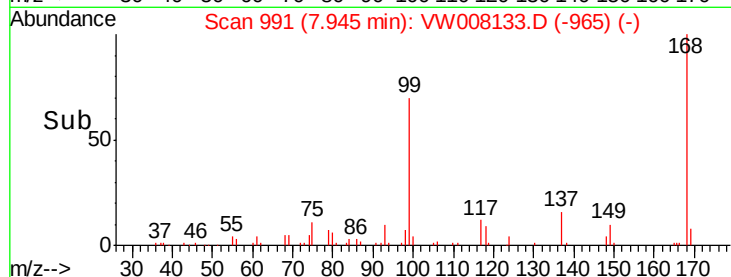
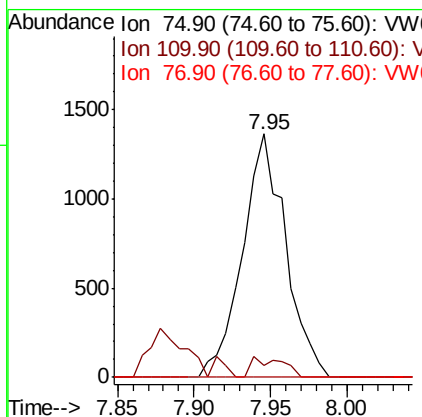
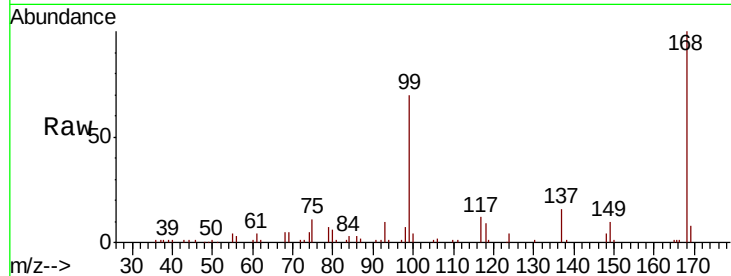




#36
 1,1-Dichloropropene
 Concen: 5.745 ug/l
 RT: 7.95 min Scan# 991
 Delta R.T. -0.14 min
 Lab File: VW008133.D
 Acq: 10 Jan 2019 06:18

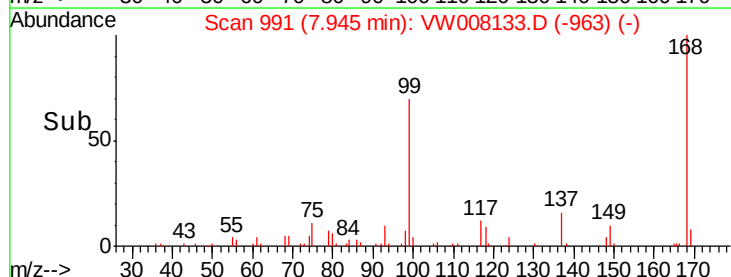
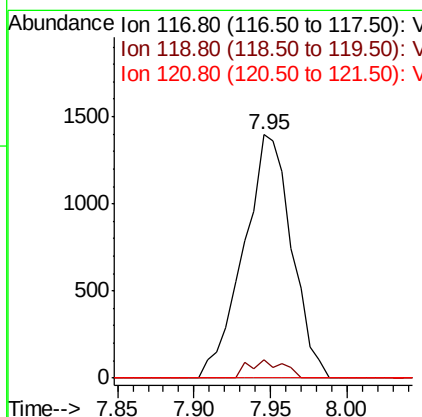
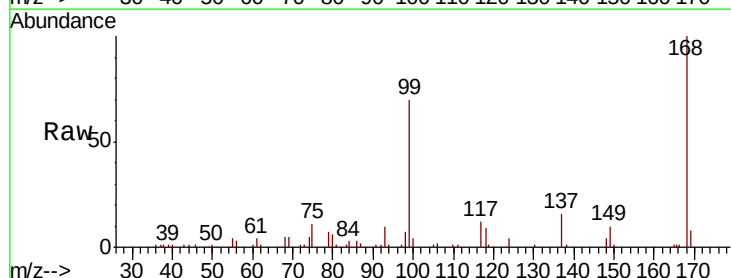
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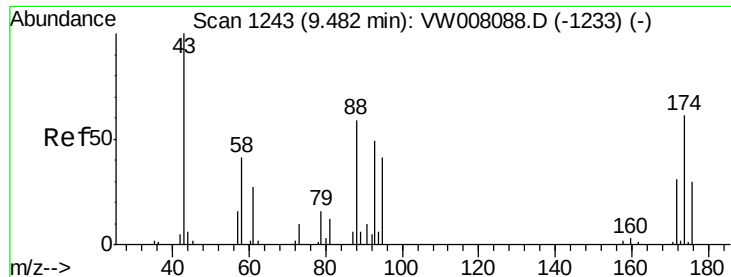
Tgt Ion: 75 Resp: 2680
 Ion Ratio Lower Upper
 75 100
 110 5.9 17.1 51.3#
 77 0.0 25.5 38.3#



#38
 Carbon Tetrachloride
 Concen: 7.134 ug/l
 RT: 7.95 min Scan# 991
 Delta R.T. -0.13 min
 Lab File: VW008133.D
 Acq: 10 Jan 2019 06:18

Tgt Ion: 117 Resp: 3046
 Ion Ratio Lower Upper
 117 100
 119 7.5 75.8 113.8#
 121 0.0 23.7 35.5#





#49

1,4-Dioxane

Concen: 8.071 ug/l

RT: 9.72 min Scan# 1282

Delta R.T. 0.24 min

Lab File: VW008133.D

Acq: 10 Jan 2019 06:18

Instrument :

MSVOA_W

ClientSampleId :

MH-445-10.0-11-0

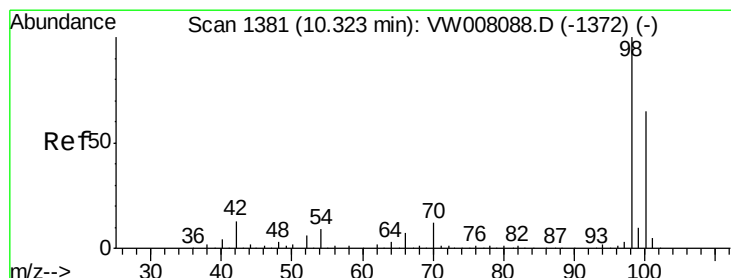
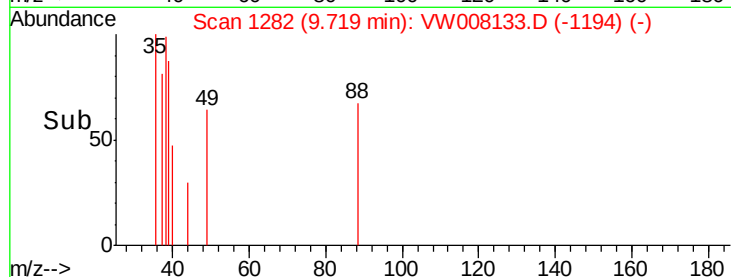
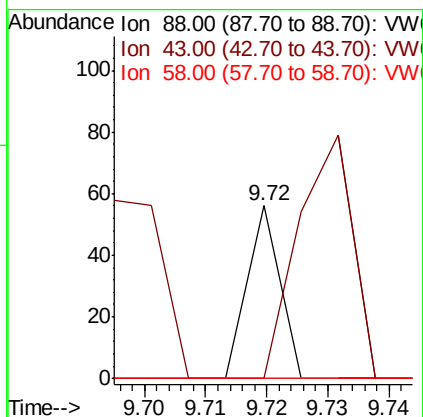
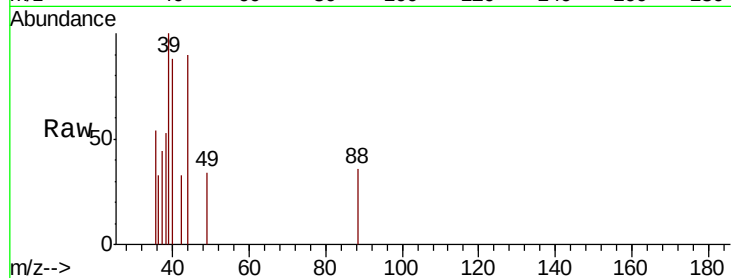
Tgt Ion: 88 Resp: 20

Ion Ratio Lower Upper

88 100

43 245.0 0.0 0.0#

58 0.0 61.7 92.5#



#50

Toluene-d8

Concen: 52.439 ug/l

RT: 10.32 min Scan# 1381

Delta R.T. -0.00 min

Lab File: VW008133.D

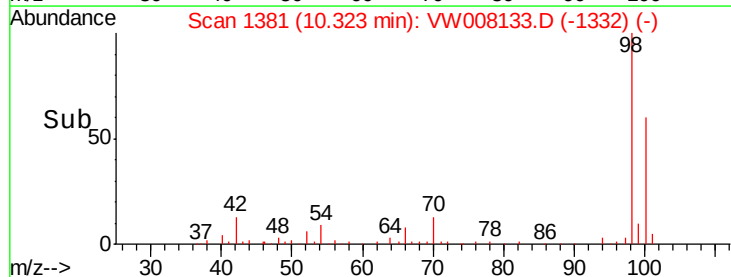
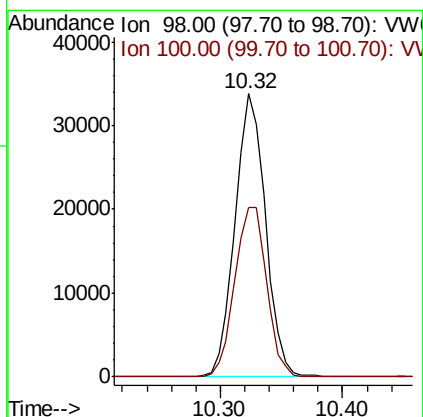
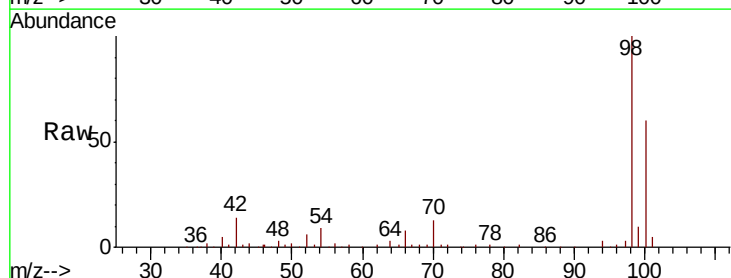
Acq: 10 Jan 2019 06:18

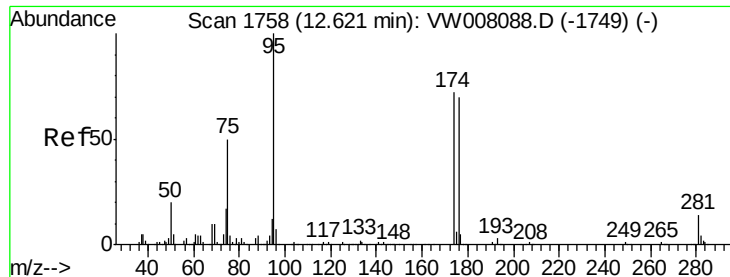
Tgt Ion: 98 Resp: 58125

Ion Ratio Lower Upper

98 100

100 63.1 51.7 77.5





#62

4-Bromofluorobenzene

Concen: 43.688 ug/l

RT: 12.62 min Scan# 1758

Delta R.T. -0.00 min

Lab File: VW008133.D

Acq: 10 Jan 2019 06:18

Instrument :

MSVOA_W

ClientSampleId :

MH-445-10.0-11-0

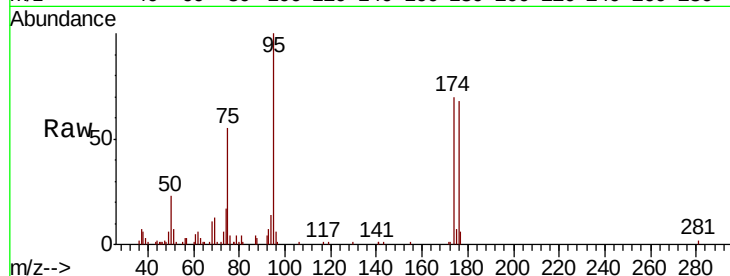
Tgt Ion: 95 Resp: 17360

Ion Ratio Lower Upper

95 100

174 72.8 0.0 143.0

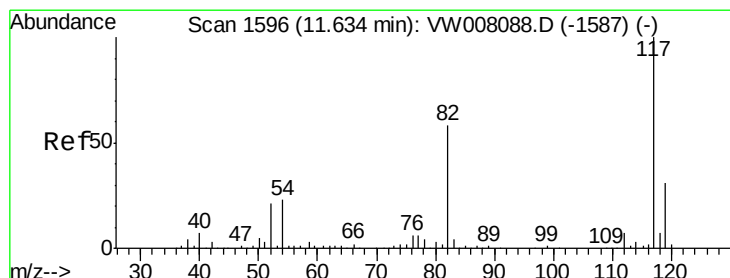
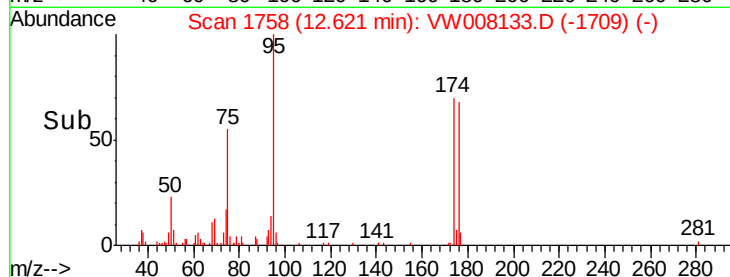
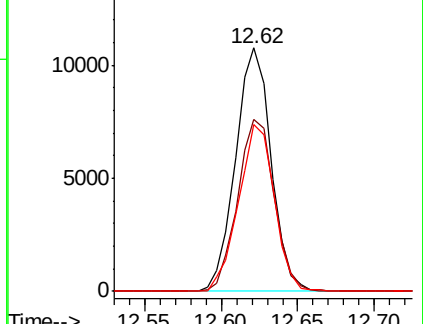
176 68.8 0.0 140.2



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: VW008133.D

Acq: 10 Jan 2019 06:18

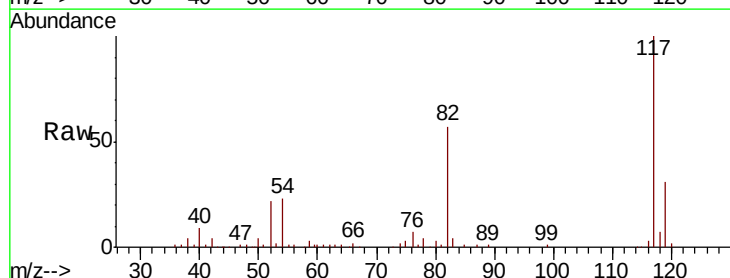
Tgt Ion: 117 Resp: 39140

Ion Ratio Lower Upper

117 100

82 56.5 46.4 69.6

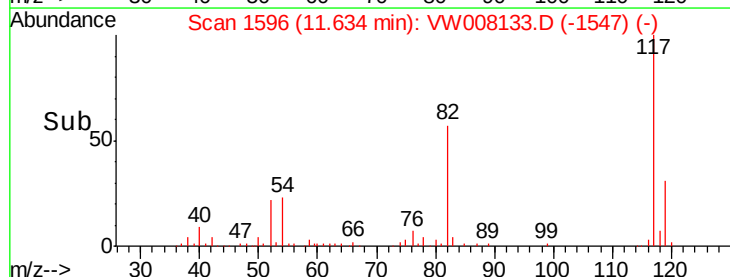
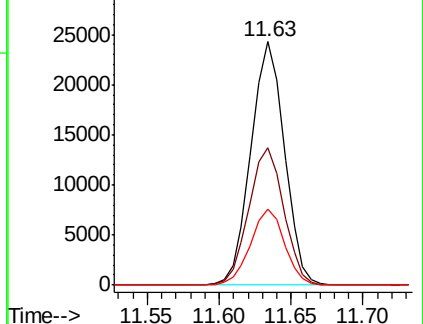
119 30.9 24.7 37.1

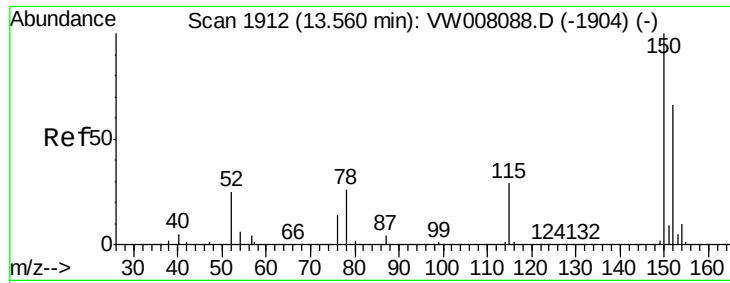


Abundance Ion 116.90 (116.60 to 117.60): VW

Ion 82.00 (81.70 to 82.70): VW

Ion 118.90 (118.60 to 119.60): VW

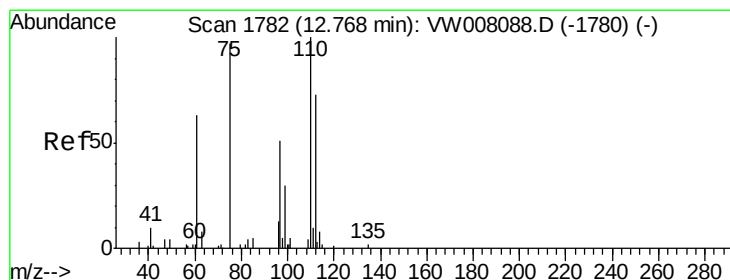
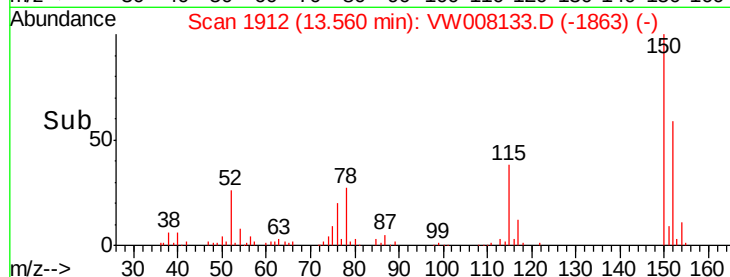
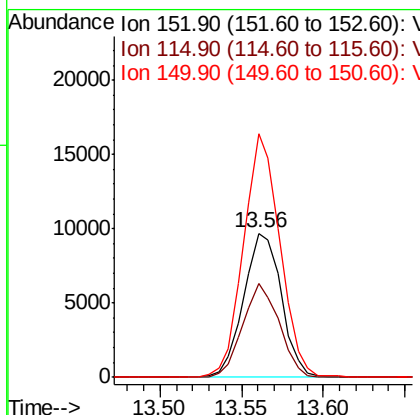
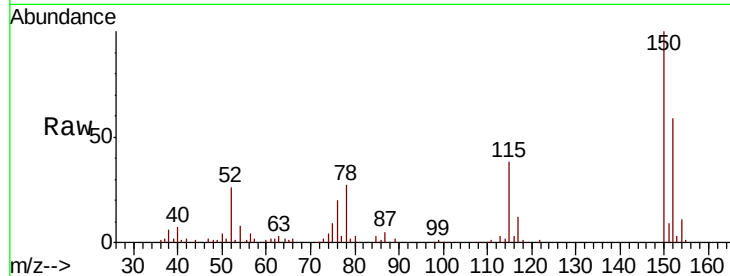




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.56 min Scan# 1912
 Delta R.T. -0.00 min
 Lab File: VW008133.D
 Acq: 10 Jan 2019 06:18

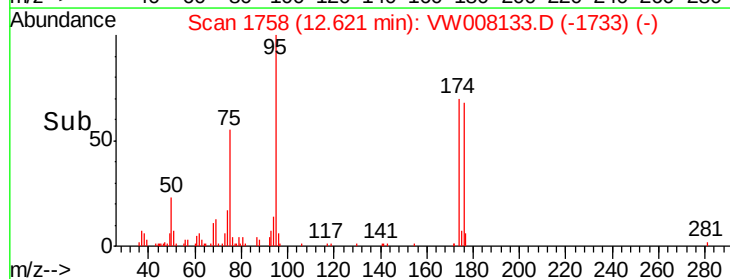
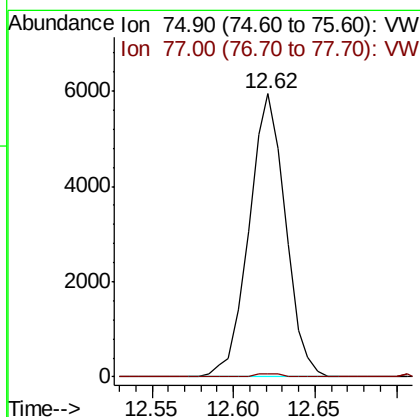
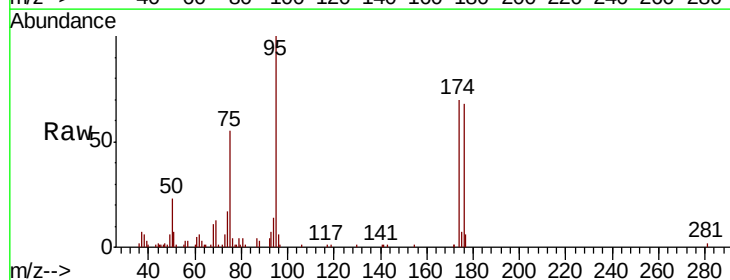
Instrument :
 MSVOA_W
 ClientSampleId :
 MH-445-10.0-11-0

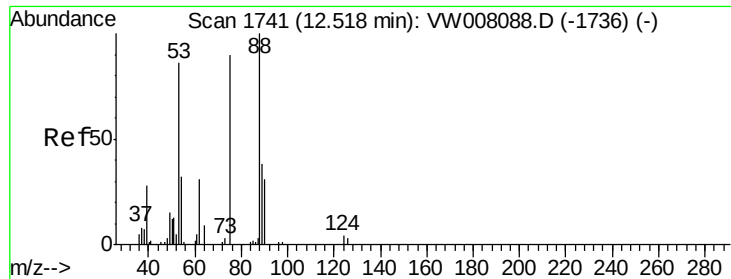
Tgt Ion: 152 Resp: 15673
 Ion Ratio Lower Upper
 152 100
 115 63.4 30.8 92.4
 150 162.9 0.0 350.2



#76
 1,2,3-Trichloropropane
 Concen: 64.713 ug/l
 RT: 12.62 min Scan# 1758
 Delta R.T. -0.15 min
 Lab File: VW008133.D
 Acq: 10 Jan 2019 06:18

Tgt Ion: 75 Resp: 9246
 Ion Ratio Lower Upper
 75 100
 77 0.7 179.4 538.2#





#81

trans-1,4-Dichloro-2-butene

Concen: 150.697 ug/l

RT: 12.62 min Scan# 1758

Delta R.T. 0.10 min

Lab File: VW008133.D

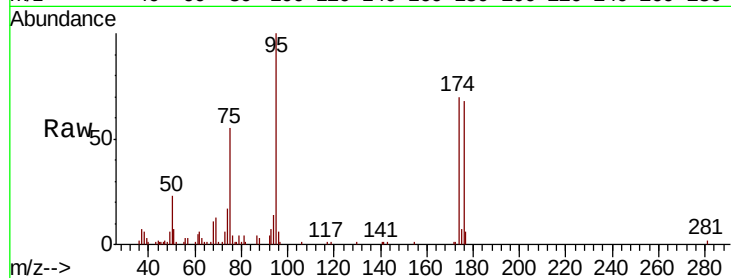
Acq: 10 Jan 2019 06:18

Instrument :

MSVOA_W

ClientSampleId :

MH-445-10.0-11-0



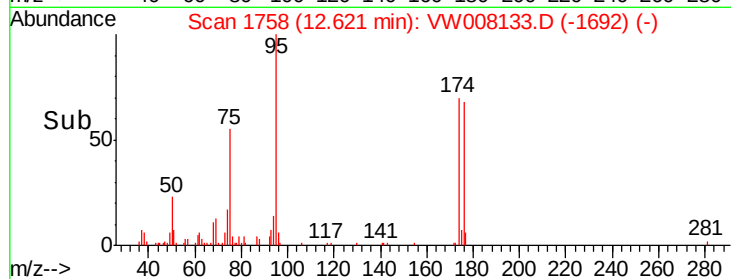
Tgt Ion: 75 Resp: 9246

Ion Ratio Lower Upper

75 100

53 0.3 78.8 118.2#

89 0.0 35.4 53.2#



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

