

Data File : VW008208.D
Acq On : 11 Jan 2019 21:30
Operator : SY/VA
Sample : K1115-01
Misc : 5.95G/5ML/MSVOA_W/SOIL
ALS Vial : 18 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
S72-IDW01

Quant Time: Jan 12 00:18:34 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	105592	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	186708	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	172090	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	79021	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.31	65	59580	50.20	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.40%	
35) Dibromofluoromethane	7.88	113	58074	53.33	ug/l	0.00
Spiked Amount	50.000		Recovery	=	106.66%	
50) Toluene-d8	10.32	98	238653	52.23	ug/l	0.00
Spiked Amount	50.000		Recovery	=	104.46%	
62) 4-Bromofluorobenzene	12.62	95	81498	49.75	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.50%	

Target Compounds

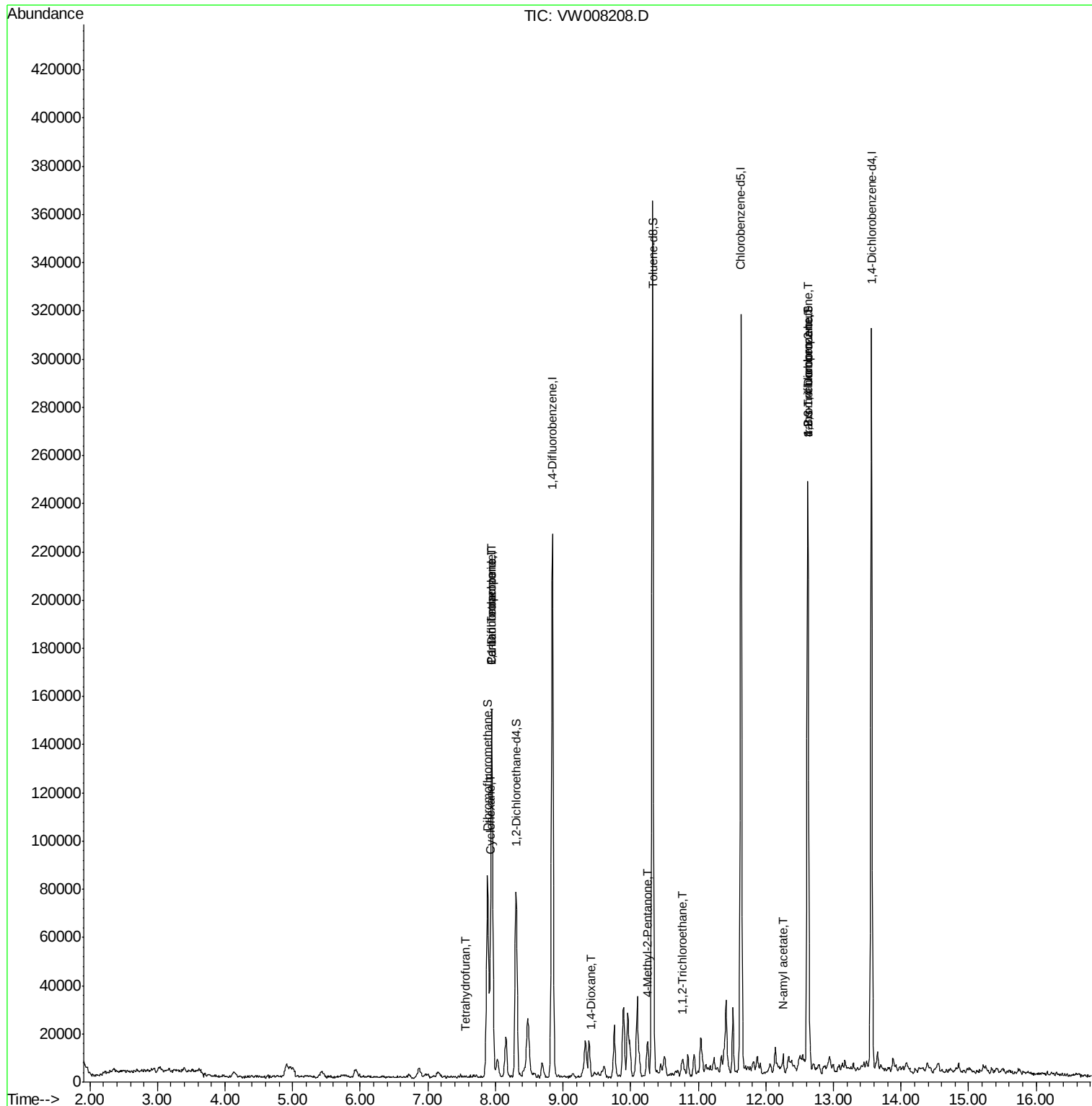
						Qvalue
11) Tert butyl alcohol	5.26	59	68	Below Cal	#	100
13) Acrolein	3.90	56	46	Below Cal	#	1
16) Acetone	4.14	43	4363	Below Cal		91
20) Methylene Chloride	4.92	84	3298	Below Cal	#	76
29) Tetrahydrofuran	7.56	42	244	1.106	ug/l #	43
31) Cyclohexane	7.92	56	4927	1.973	ug/l #	62
36) 1,1-Dichloropropene	7.95	75	8974	4.666	ug/l #	50
38) Carbon Tetrachloride	7.95	117	11010	6.254	ug/l #	16
49) 1,4-Dioxane	9.42	88	20	1.958	ug/l #	11
51) 4-Methyl-2-Pentanone	10.24	43	1939	2.600	ug/l #	61
55) 1,1,2-Trichloroethane	10.76	97	1734	1.944	ug/l #	39
74) N-amyl acetate	12.26	43	1883	1.371	ug/l #	67
76) 1,2,3-Trichloropropane	12.62	75	40463	56.170	ug/l #	1
81) trans-1,4-Dichloro-2-buten	12.62	75	40463	130.804	ug/l #	11

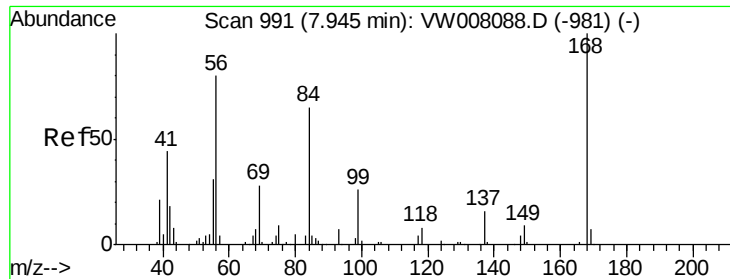
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: VW008208.D

Acq: 11 Jan 2019 21:30

Instrument :

MSVOA_W

ClientSampleId :

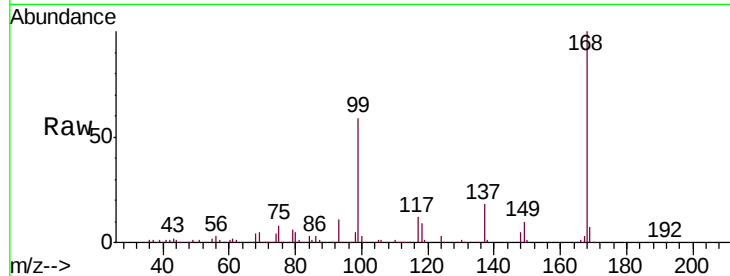
S72-IDW01

Tgt Ion:168 Resp: 105592

Ion Ratio Lower Upper

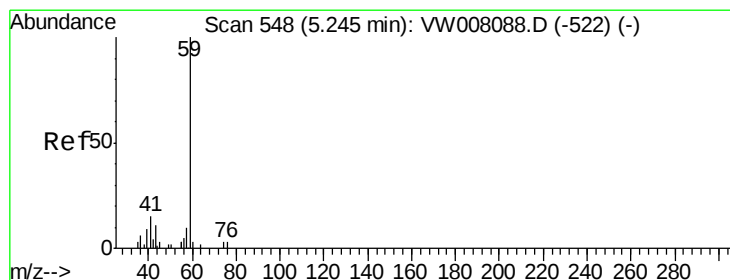
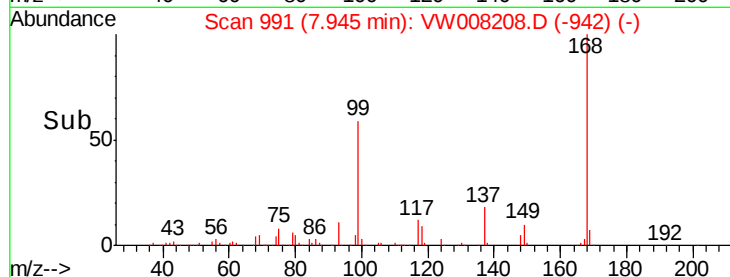
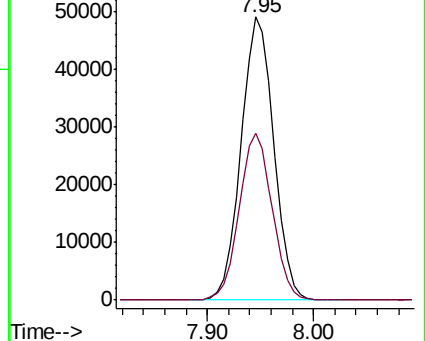
168 100

99 58.9 52.6 78.8



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW



#11

Tert butyl alcohol

Concen: Below Cal

RT: 5.26 min Scan# 550

Delta R.T. 0.01 min

Lab File: VW008208.D

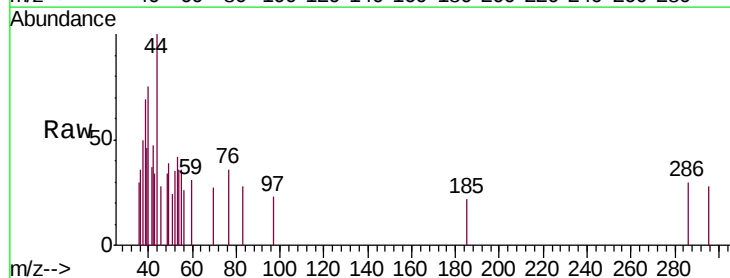
Acq: 11 Jan 2019 21:30

Tgt Ion: 59 Resp: 68

Ion Ratio Lower Upper

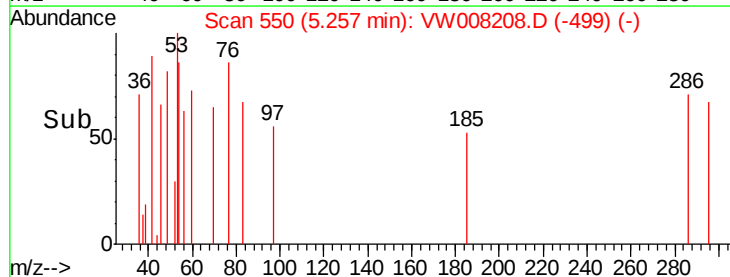
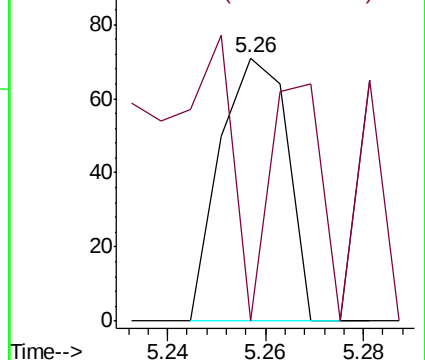
59 100

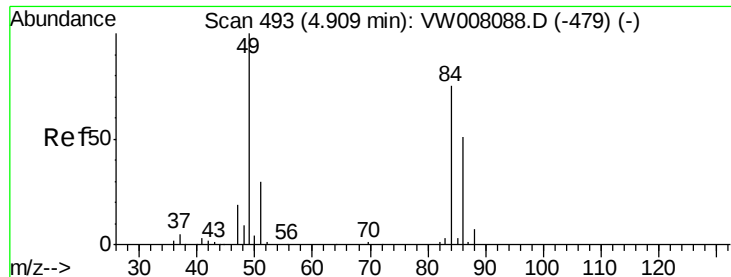
57 132.4 0.0 0.0#



Abundance Ion 59.00 (58.70 to 59.70): VW

Ion 57.00 (56.70 to 57.70): VW





#20

Methylene Chloride

Concen: Below Cal

RT: 4.92 min Scan# 494

Delta R.T. 0.01 min

Lab File: VW008208.D

Acq: 11 Jan 2019 21:30

Instrument :

MSVOA_W

ClientSampleId :

S72-IDW01

Tgt Ion: 84 Resp: 3298

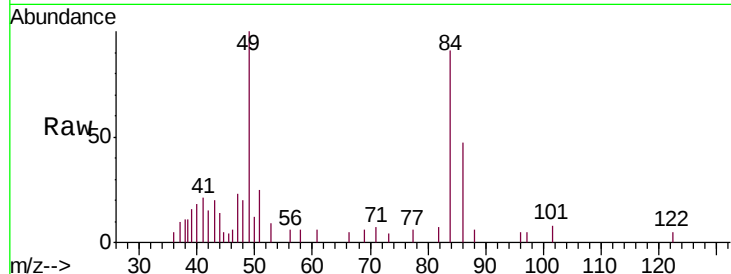
Ion Ratio Lower Upper

84 100

49 109.9 107.1 160.7

51 22.6 32.4 48.6#

86 45.5 54.2 81.4#



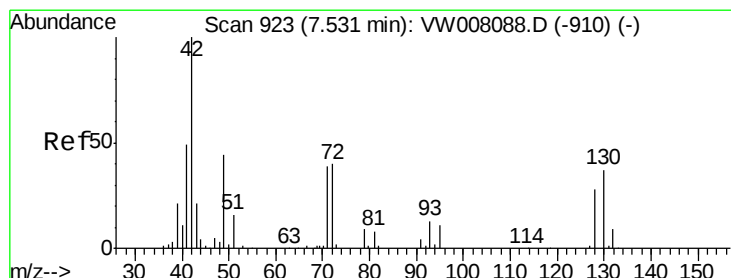
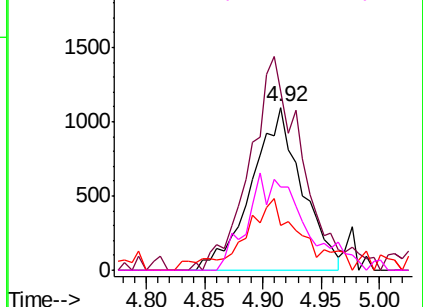
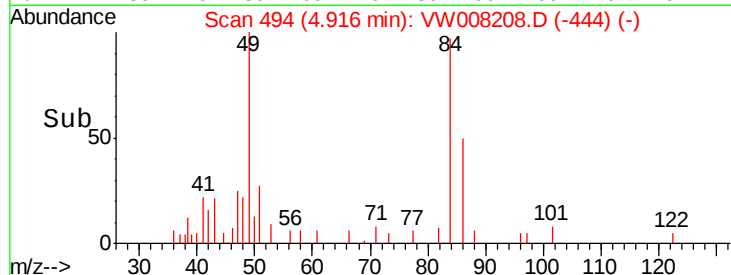
Abundance

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



#29

Tetrahydrofuran

Concen: 1.106 ug/l

RT: 7.56 min Scan# 927

Delta R.T. 0.02 min

Lab File: VW008208.D

Acq: 11 Jan 2019 21:30

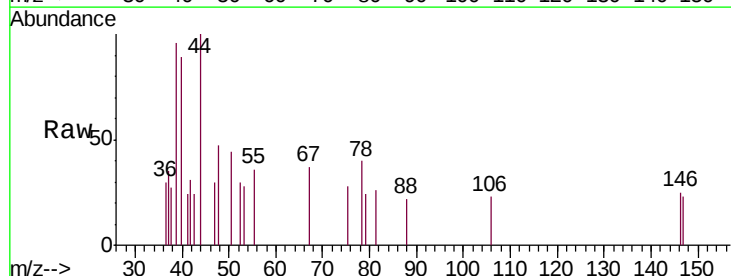
Tgt Ion: 42 Resp: 244

Ion Ratio Lower Upper

42 100

72 0.0 32.4 48.6#

71 9.4 31.3 46.9#

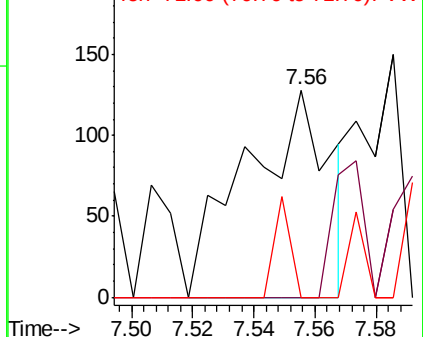
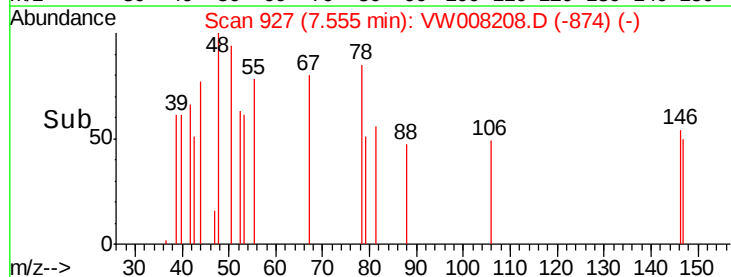


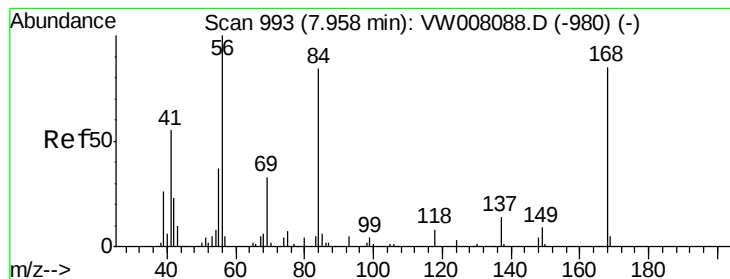
Abundance

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





#31

Cyclohexane

Concen: 1.973 ug/l

RT: 7.92 min Scan# 987

Delta R.T. -0.04 min

Lab File: VW008208.D

Acq: 11 Jan 2019 21:30

Instrument :

MSVOA_W

ClientSampleId :

S72-IDW01

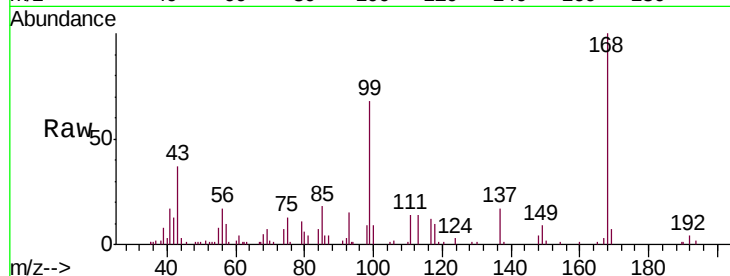
Tgt Ion: 56 Resp: 4927

Ion Ratio Lower Upper

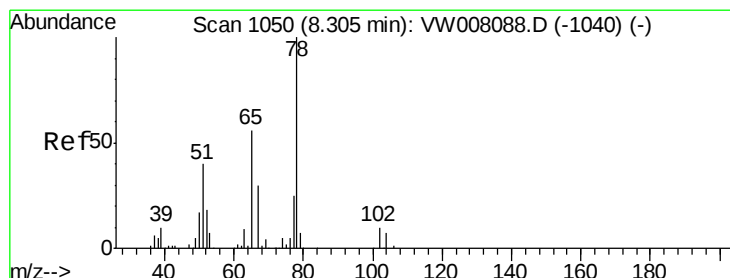
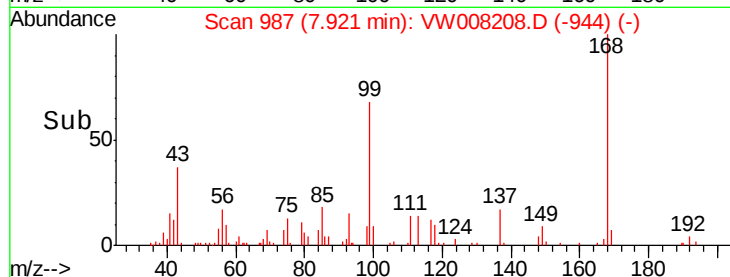
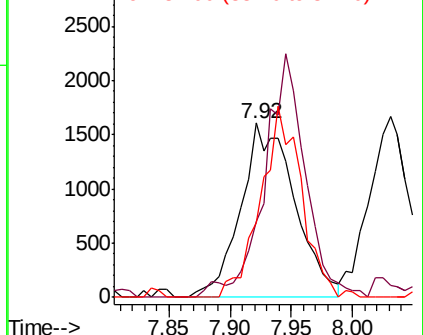
56 100

69 43.2 26.2 39.4#

84 42.6 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: 50.204 ug/l

RT: 8.31 min Scan# 1050

Delta R.T. 0.00 min

Lab File: VW008208.D

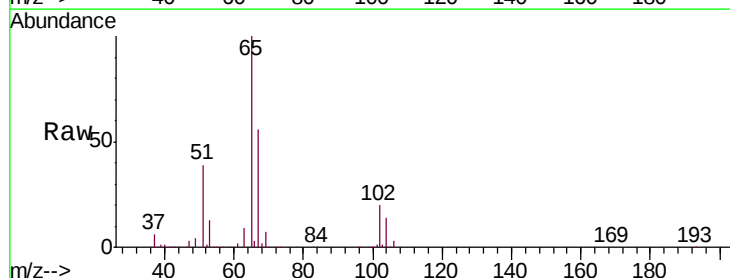
Acq: 11 Jan 2019 21:30

Tgt Ion: 65 Resp: 59580

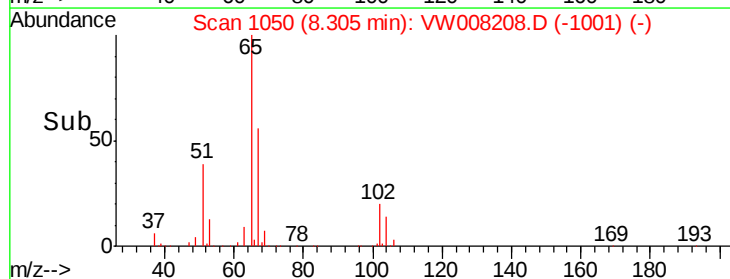
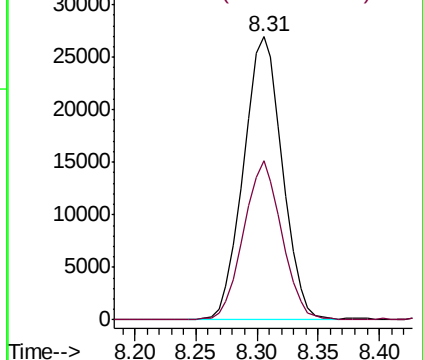
Ion Ratio Lower Upper

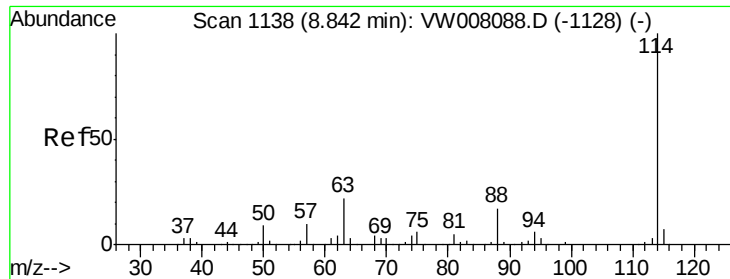
65 100

67 55.3 0.0 106.8



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

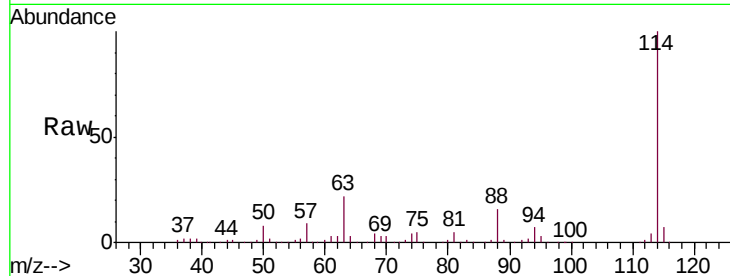




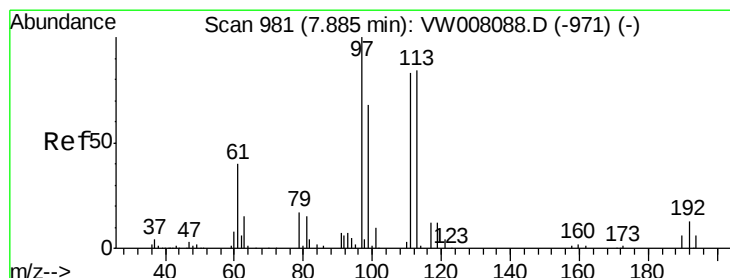
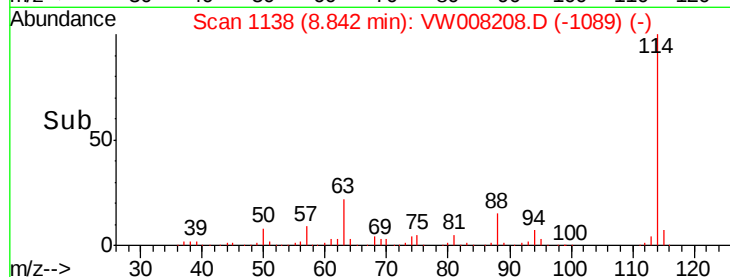
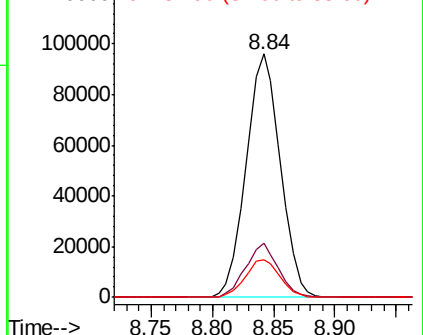
#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.84 min Scan# 1138
Delta R.T. 0.00 min
Lab File: VW008208.D
Acq: 11 Jan 2019 21:30

Instrument :
MSVOA_W
ClientSampleId :
S72-IDW01

Tgt Ion:114 Resp: 186708
Ion Ratio Lower Upper
114 100
63 22.1 0.0 43.4
88 15.5 0.0 33.4

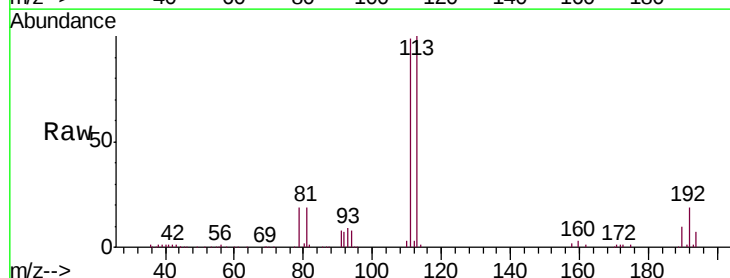


Abundance Ion 113.90 (113.60 to 114.60): V
Ion 63.00 (62.70 to 63.70): VW
Ion 87.90 (87.60 to 88.60): VW

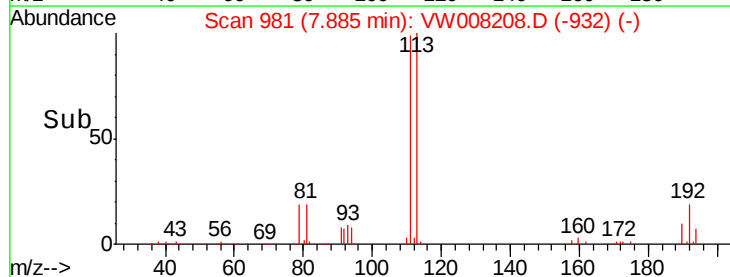
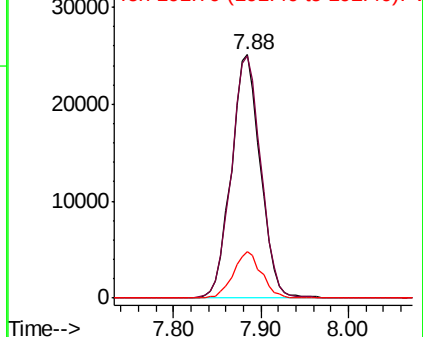


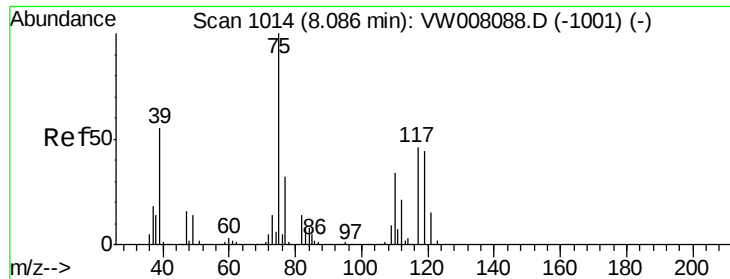
#35
Dibromofluoromethane
Concen: 53.330 ug/l
RT: 7.88 min Scan# 981
Delta R.T. 0.00 min
Lab File: VW008208.D
Acq: 11 Jan 2019 21:30

Tgt Ion:113 Resp: 58074
Ion Ratio Lower Upper
113 100
111 101.4 81.8 122.8
192 18.5 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

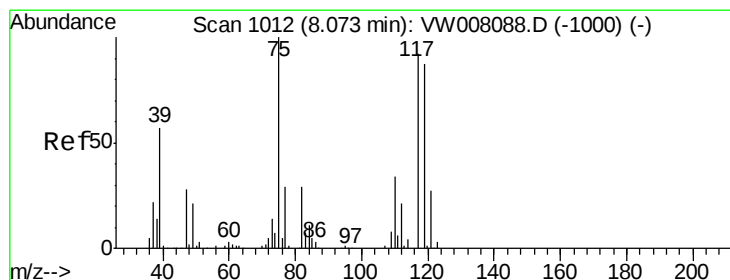
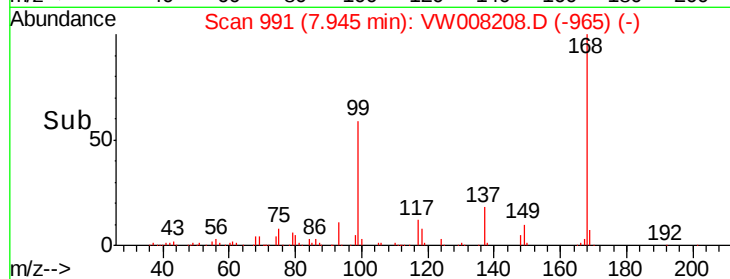
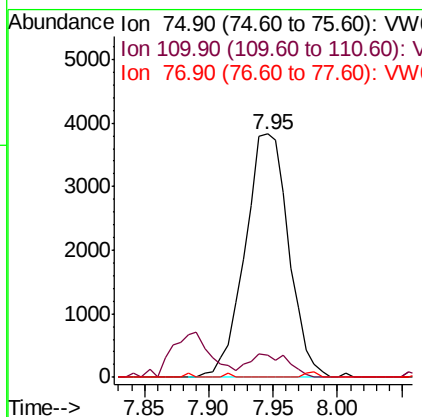
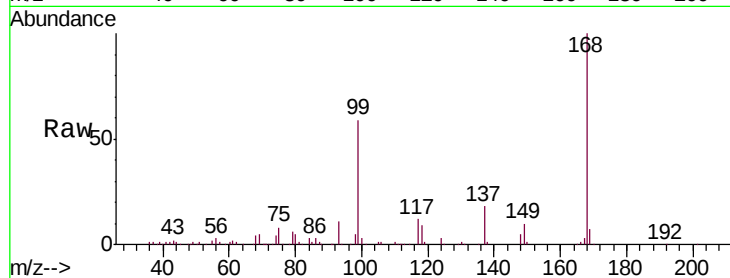




#36
 1,1-Dichloropropene
 Concen: 4.666 ug/l
 RT: 7.95 min Scan# 991
 Delta R.T. -0.14 min
 Lab File: VW008208.D
 Acq: 11 Jan 2019 21:30

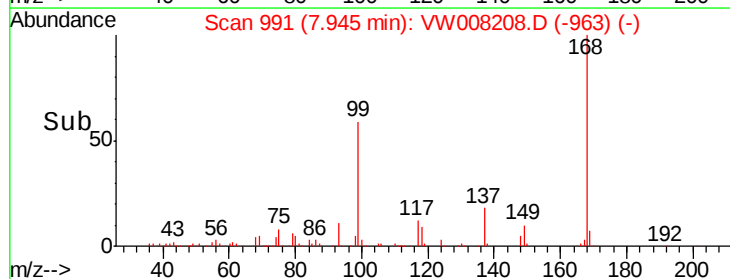
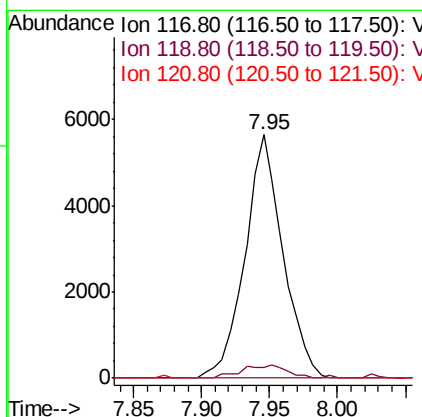
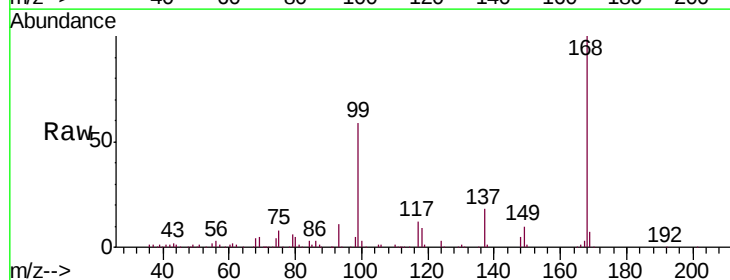
Instrument :
 MSVOA_W
 ClientSampleId :
 S72-IDW01

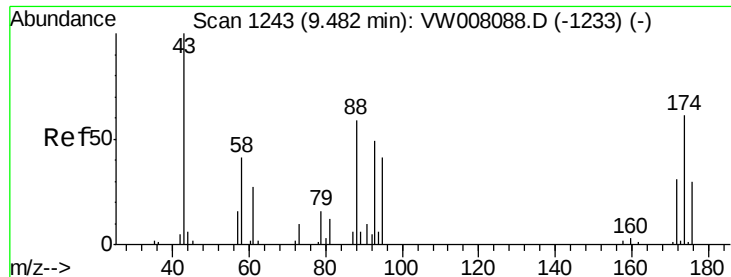
Tgt Ion: 75 Resp: 8974
 Ion Ratio Lower Upper
 75 100
 110 8.9 17.1 51.3#
 77 0.0 25.5 38.3#



#38
 Carbon Tetrachloride
 Concen: 6.254 ug/l
 RT: 7.95 min Scan# 991
 Delta R.T. -0.13 min
 Lab File: VW008208.D
 Acq: 11 Jan 2019 21:30

Tgt Ion: 117 Resp: 11010
 Ion Ratio Lower Upper
 117 100
 119 4.4 75.8 113.8#
 121 0.0 23.7 35.5#

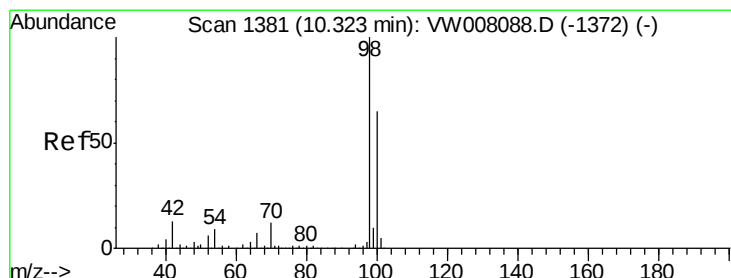
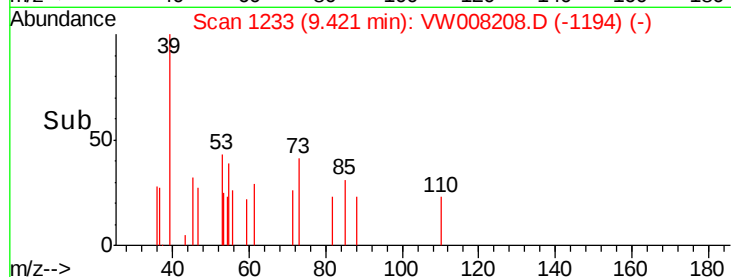
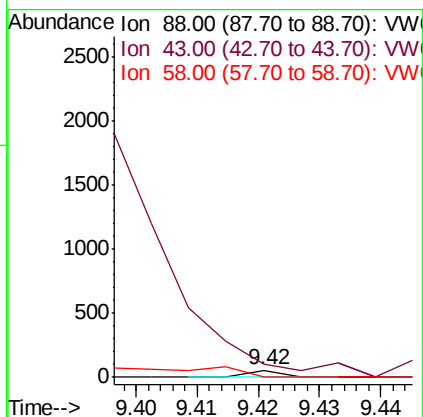
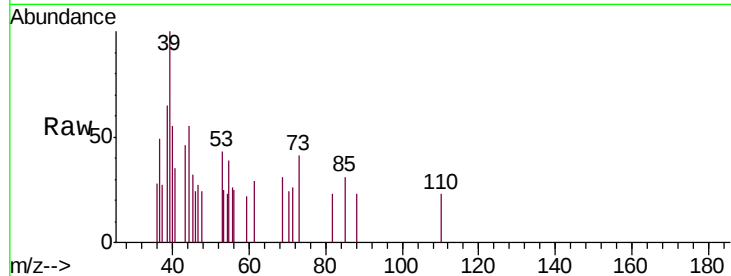




#49
 1,4-Dioxane
 Concen: 1.958 ug/l
 RT: 9.42 min Scan# 1233
 Delta R.T. -0.06 min
 Lab File: VW008208.D
 Acq: 11 Jan 2019 21:30

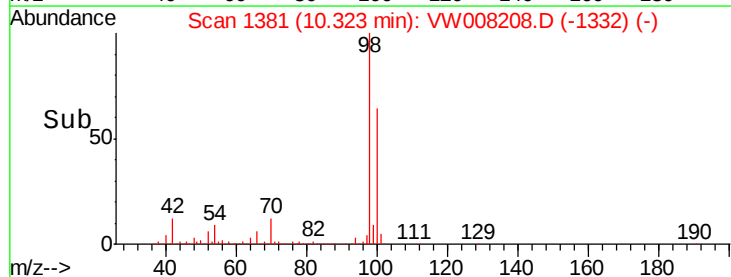
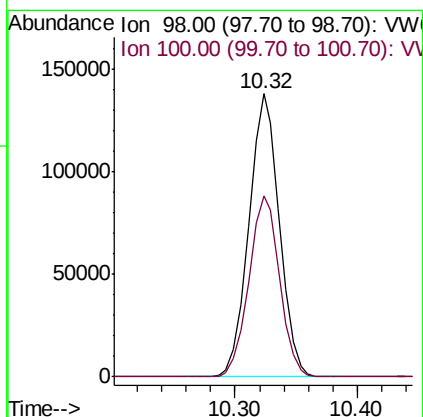
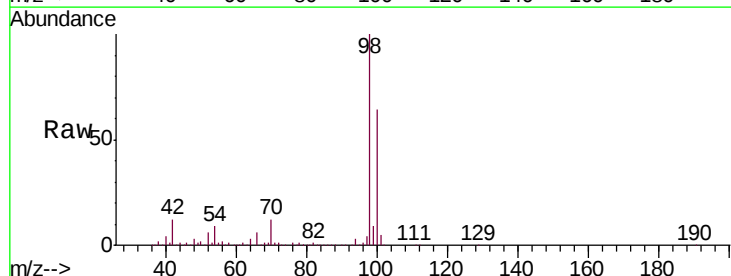
Instrument :
 MSVOA_W
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 S72-IDW01

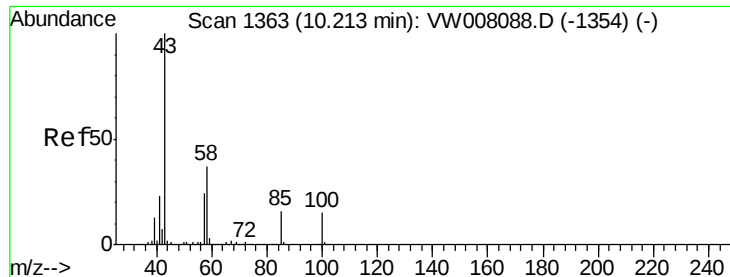
Tgt Ion: 88 Resp: 20
 Ion Ratio Lower Upper
 88 100
 43 0.0 0.0 0.0
 58 0.0 61.7 92.5#



#50
 Toluene-d8
 Concen: 52.225 ug/l
 RT: 10.32 min Scan# 1381
 Delta R.T. 0.00 min
 Lab File: VW008208.D
 Acq: 11 Jan 2019 21:30

Tgt Ion: 98 Resp: 238653
 Ion Ratio Lower Upper
 98 100
 100 64.3 51.7 77.5





#51

4-Methyl-2-Pentanone

Concen: 2.600 ug/l

RT: 10.24 min Scan# 1368

Delta R.T. 0.03 min

Lab File: VW008208.D

Acq: 11 Jan 2019 21:30

Instrument :

MSVOA_W

ClientSampleId :

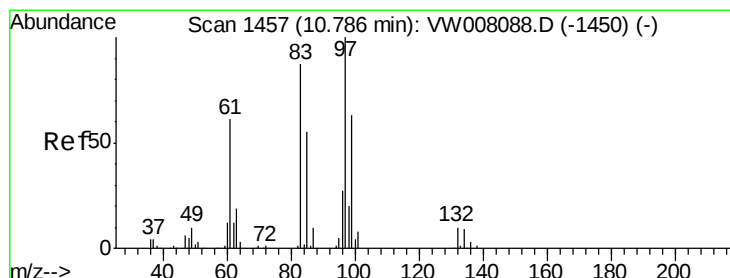
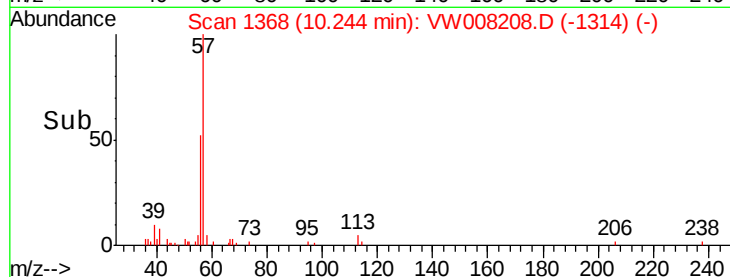
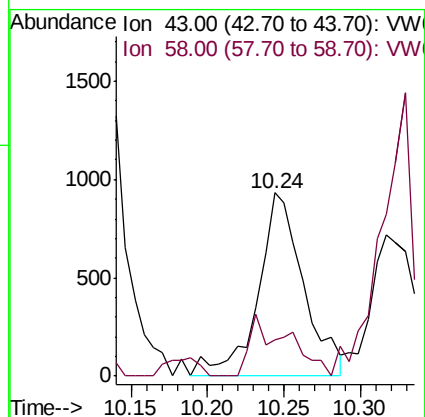
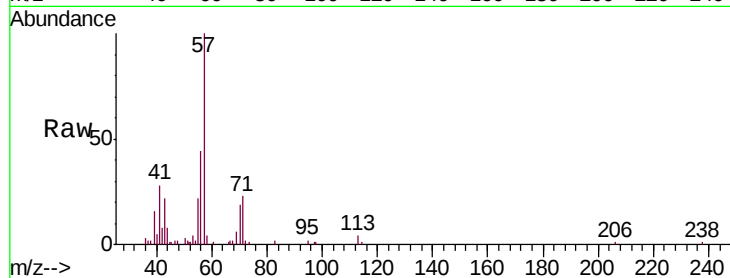
S72-IDW01

Tgt Ion: 43 Resp: 1939

Ion Ratio Lower Upper

43 100

58 14.9 30.6 46.0#



#55

1,1,2-Trichloroethane

Concen: 1.944 ug/l

RT: 10.76 min Scan# 1453

Delta R.T. -0.02 min

Lab File: VW008208.D

Acq: 11 Jan 2019 21:30

Tgt Ion: 97 Resp: 1734

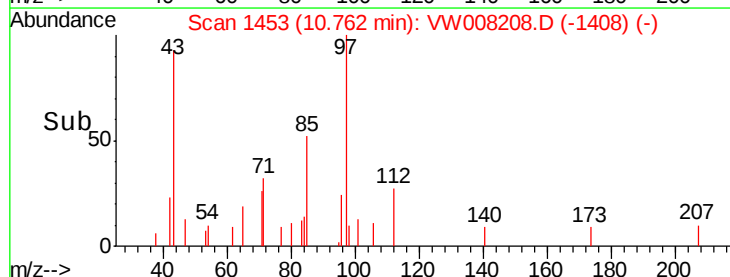
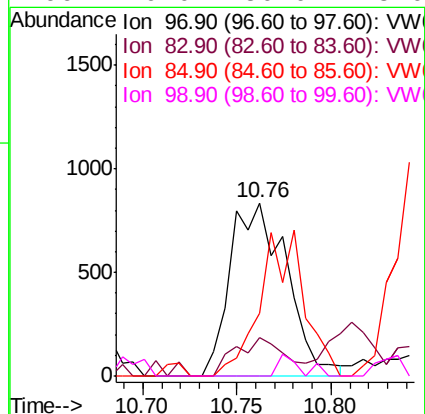
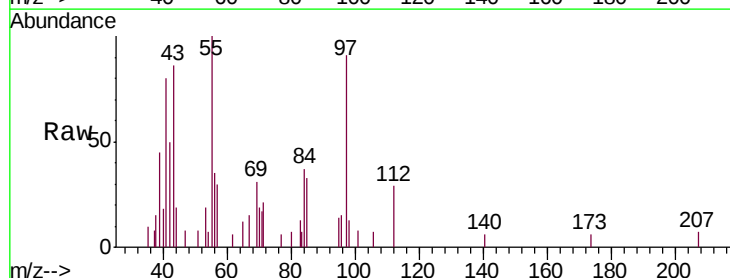
Ion Ratio Lower Upper

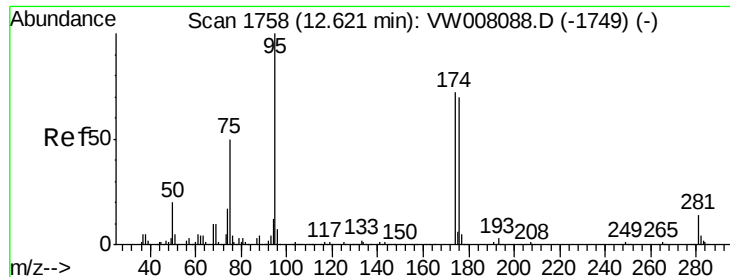
97 100

83 21.9 69.3 103.9#

85 36.5 43.8 65.6#

99 0.0 50.0 75.0#





#62

4-Bromofluorobenzene

Concen: 49.748 ug/l

RT: 12.62 min Scan# 1758

Delta R.T. 0.00 min

Lab File: VW008208.D

Acq: 11 Jan 2019 21:30

Instrument :

MSVOA_W

ClientSampleId :

S72-IDW01

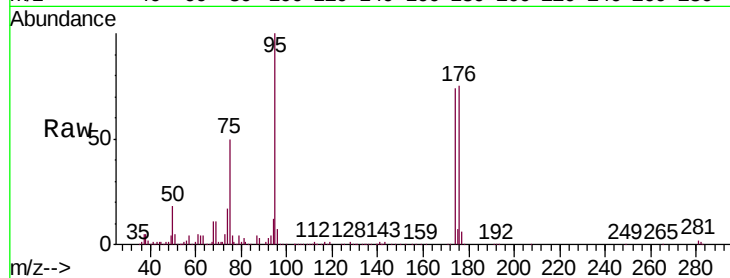
Tgt Ion: 95 Resp: 81498

Ion Ratio Lower Upper

95 100

174 75.0 0.0 143.0

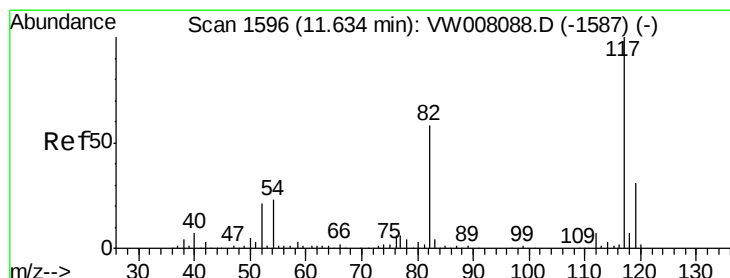
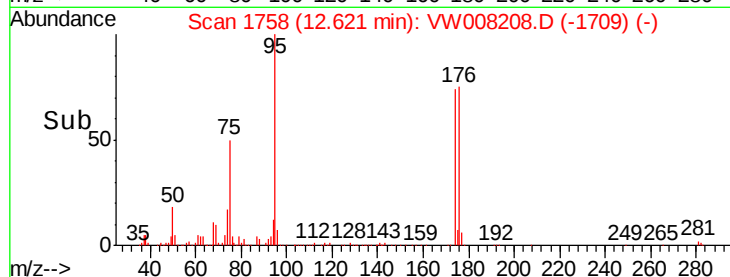
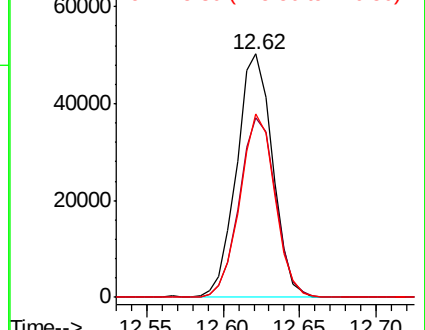
176 74.0 0.0 140.2



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: VW008208.D

Acq: 11 Jan 2019 21:30

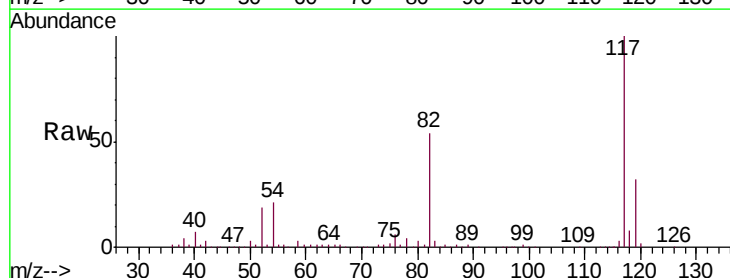
Tgt Ion: 117 Resp: 172090

Ion Ratio Lower Upper

117 100

82 54.3 46.4 69.6

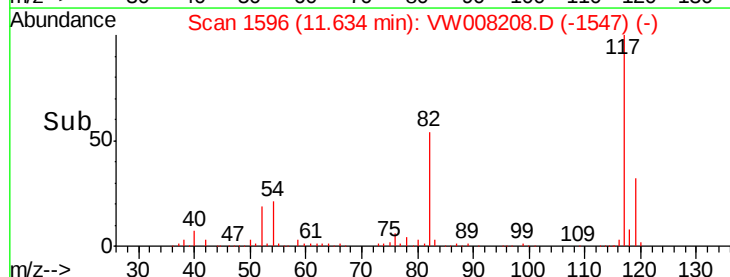
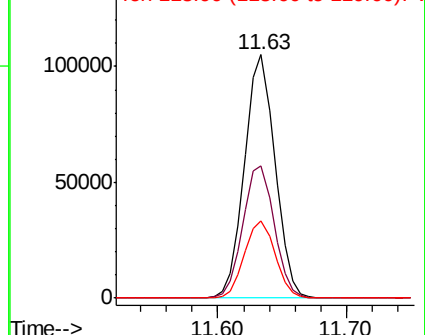
119 31.7 24.7 37.1

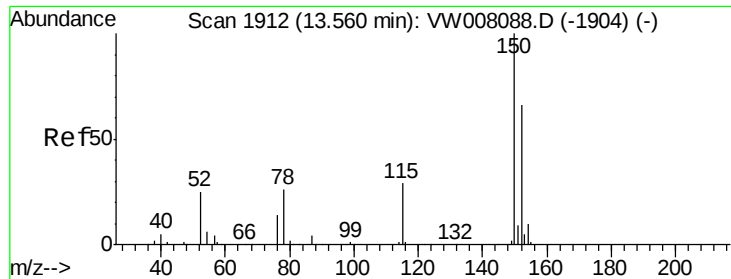


Abundance Ion 116.90 (116.60 to 117.60): VW

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: VW008208.D

Acq: 11 Jan 2019 21:30

Instrument :

MSVOA_W

ClientSampleId :

S72-IDW01

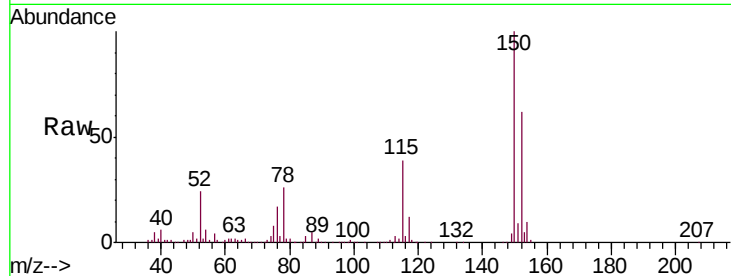
Tgt Ion:152 Resp: 79021

Ion Ratio Lower Upper

152 100

115 59.5 30.8 92.4

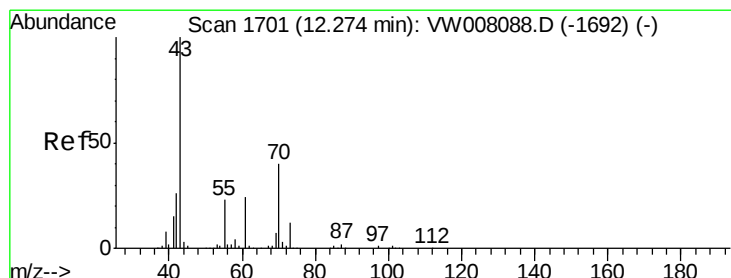
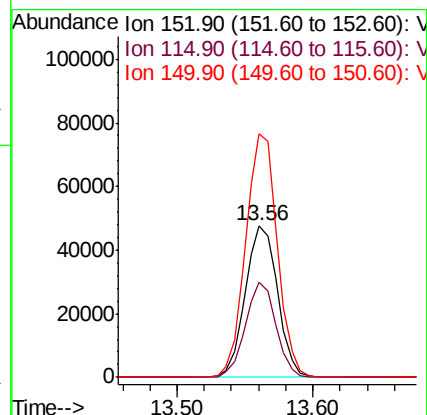
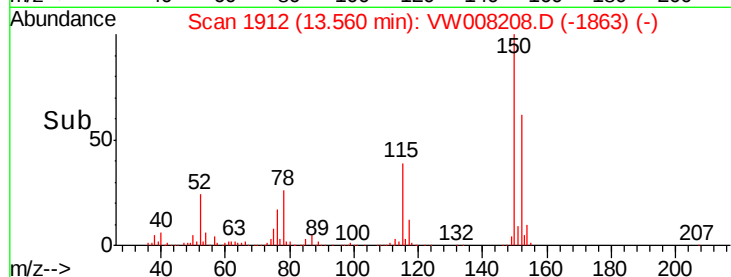
150 157.6 0.0 350.2



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



#74

N-ethyl acetate

Concen: 1.371 ug/l

RT: 12.26 min Scan# 1698

Delta R.T. -0.02 min

Lab File: VW008208.D

Acq: 11 Jan 2019 21:30

Tgt Ion: 43 Resp: 1883

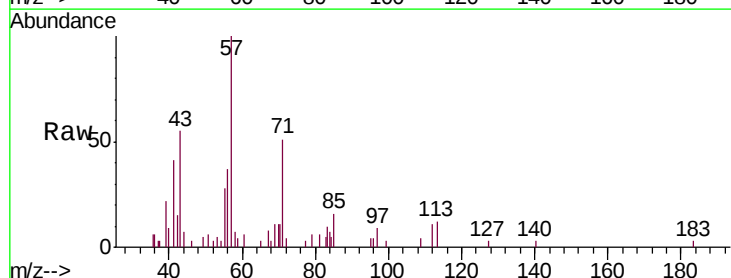
Ion Ratio Lower Upper

43 100

70 18.6 32.4 48.6#

55 17.2 18.7 28.1#

61 0.0 19.0 28.6#

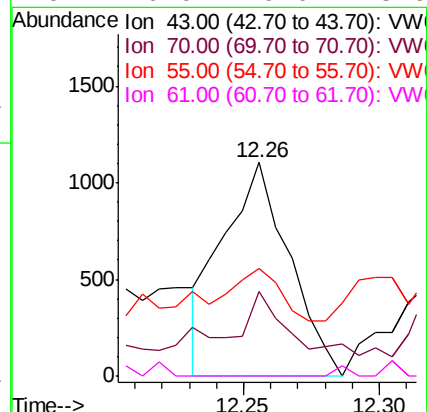
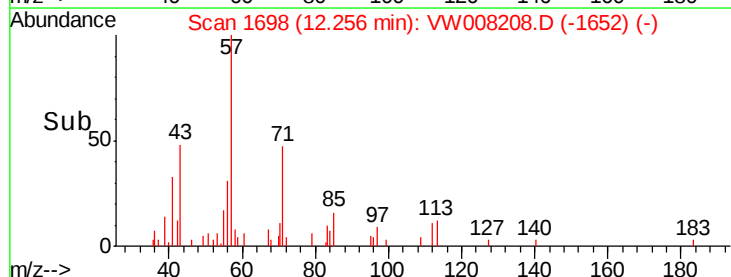


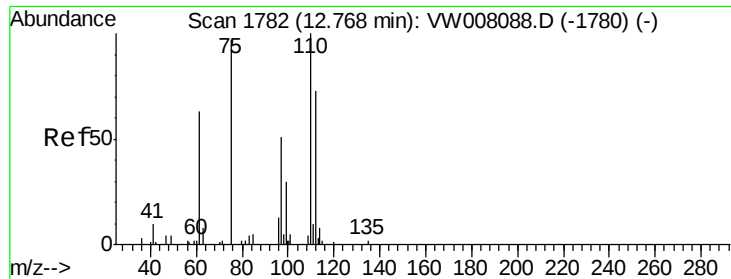
Abundance Ion 43.00 (42.70 to 43.70): VW

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: 56.170 ug/l

RT: 12.62 min Scan# 1758

Delta R.T. -0.15 min

Lab File: VW008208.D

Acq: 11 Jan 2019 21:30

Instrument :

MSVOA_W

ClientSampleId :

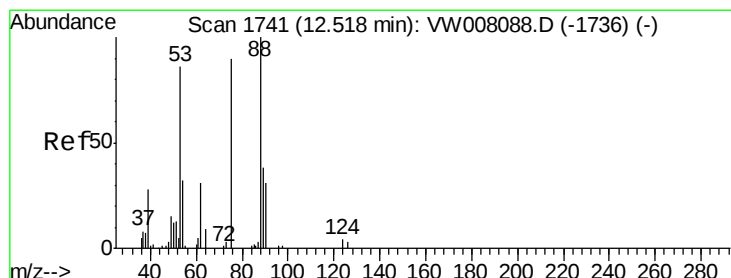
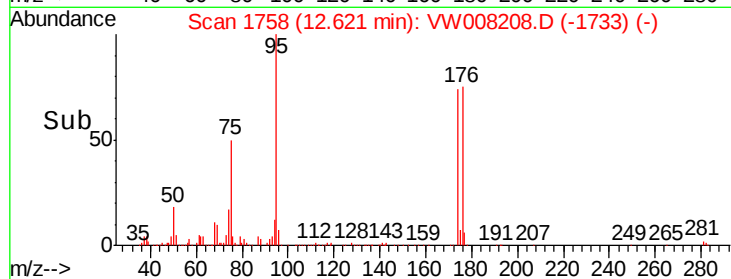
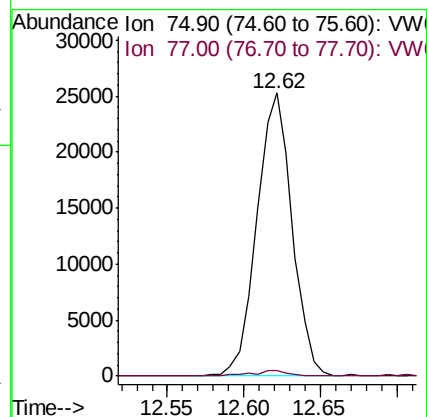
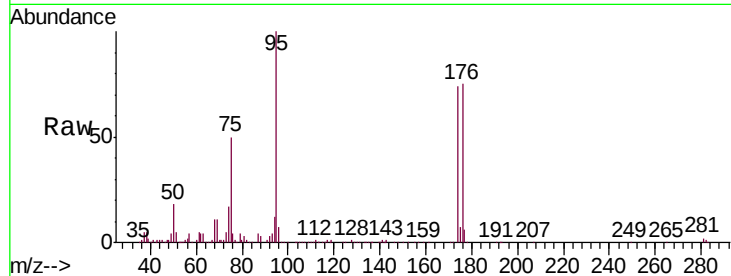
S72-IDW01

Tgt Ion: 75 Resp: 40463

Ion Ratio Lower Upper

75 100

77 2.1 179.4 538.2#



#81

trans-1,4-Dichloro-2-butene

Concen: 130.804 ug/l

RT: 12.62 min Scan# 1758

Delta R.T. 0.10 min

Lab File: VW008208.D

Acq: 11 Jan 2019 21:30

Tgt Ion: 75 Resp: 40463

Ion Ratio Lower Upper

75 100

53 0.9 78.8 118.2#

89 0.0 35.4 53.2#

