

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW071218\
 Data File : VW003912.D
 Acq On : 12 Jul 2018 21:50
 Operator : SY/AP
 Sample : J3948-01
 Misc : 5.02G/5ML/MSVOA W/SOIL
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :

Quant Time: Jul 13 05:56:41 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W070718S.M
 Quant Title : SW846 8260
 QLast Update : Sat Jul 07 05:07:25 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	166859	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.85	114	282894	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	235480	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.57	152	89652	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.31	65	121139	55.52	ug/l	0.00
Spiked Amount	50.000		Recovery	=	111.04%	
35) Dibromofluoromethane	7.88	113	98451	49.72	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.44%	
50) Toluene-d8	10.33	98	348001	45.95	ug/l	0.00
Spiked Amount	50.000		Recovery	=	91.90%	
62) 4-Bromofluorobenzene	12.62	95	108593	39.63	ug/l	0.00
Spiked Amount	50.000		Recovery	=	79.26%	

Target Compounds

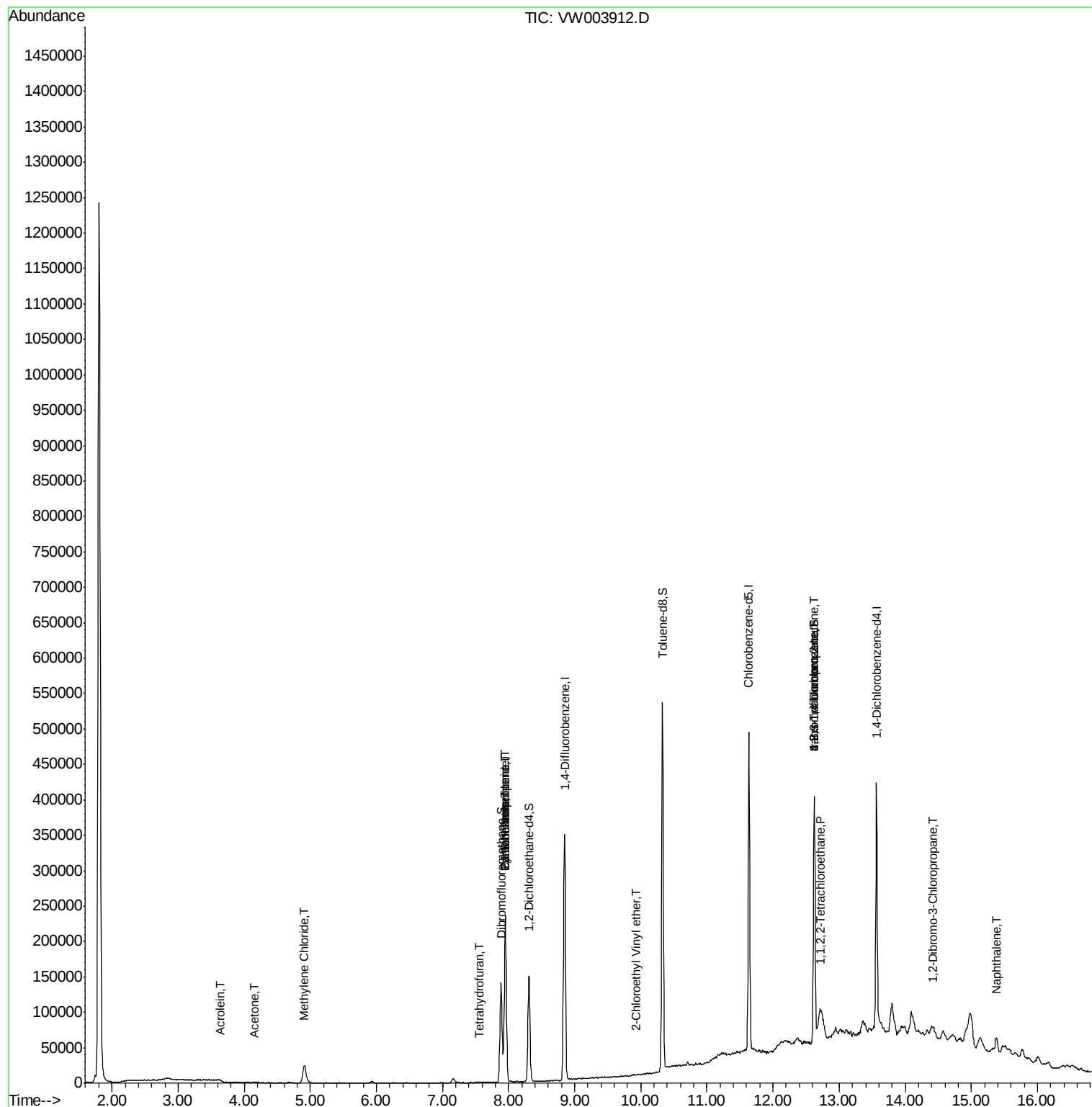
						Qvalue
13) Acrolein	3.65	56	58	5.032	ug/l #	8
16) Acetone	4.15	43	1278	3.376	ug/l #	46
20) Methylene Chloride	4.91	84	20740	7.516	ug/l	96
29) Tetrahydrofuran	7.54	42	415	1.089	ug/l #	63
31) Cyclohexane	7.95	56	5590	1.756	ug/l #	57
36) 1,1-Dichloropropene	7.95	75	14392	4.795	ug/l #	51
38) Carbon Tetrachloride	7.95	117	16943	5.937	ug/l #	16
58) 2-Chloroethyl Vinyl ether	9.93	63	109	13.266	ug/l #	45
75) 1,1,2,2-Tetrachloroethane	12.71	83	15586	12.663	ug/l #	27
76) 1,2,3-Trichloropropane	12.62	75	56526	64.207	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.62	75	56526	157.066	ug/l #	8
92) 1,2-Dibromo-3-Chloropropan	14.42	75	333	1.563	ug/l	78
95) Naphthalene	15.38	128	8526	2.564	ug/l #	86

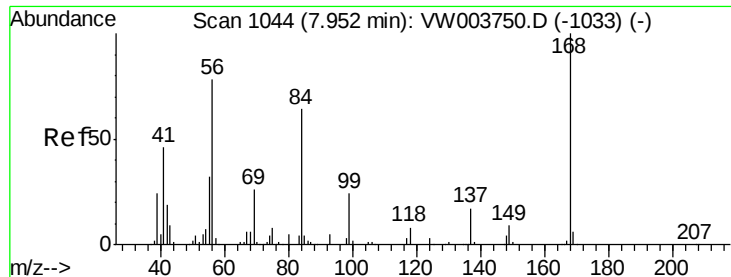
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Sat Jul 07 05:07:25 2018
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.95 min Scan# 1044

Delta R.T. -0.00 min

Lab File: VW003912.D

Acq: 12 Jul 2018 21:50

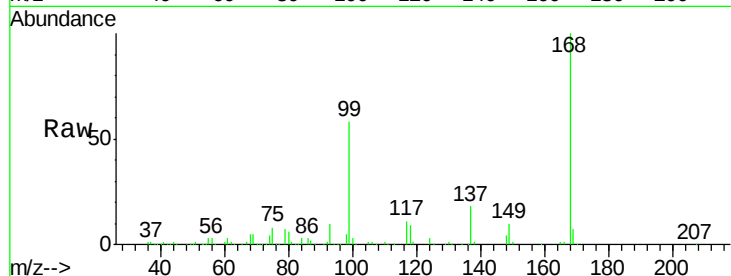
Instrument :
MSVOA_W
ClientSampleId :

Tot Ion:168 Resp: 166859

Ion Ratio Lower Upper

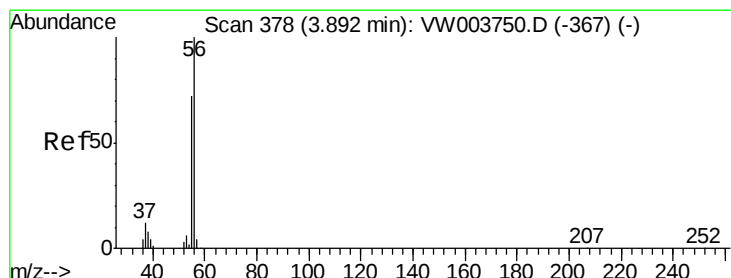
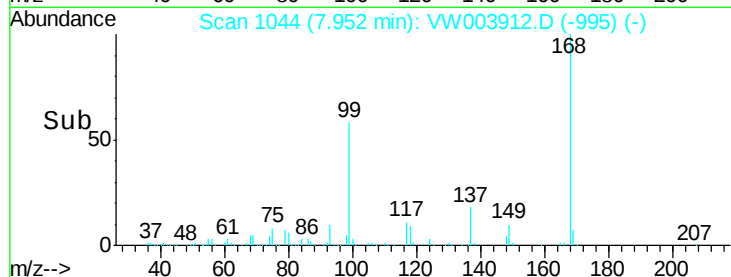
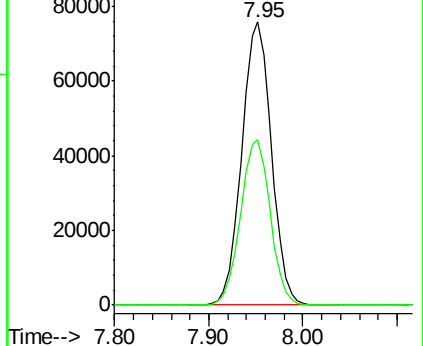
168 100

99 58.4 45.0 67.6



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW



#13

Acrolein

Concen: 5.032 ug/l

RT: 3.65 min Scan# 338

Delta R.T. -0.24 min

Lab File: VW003912.D

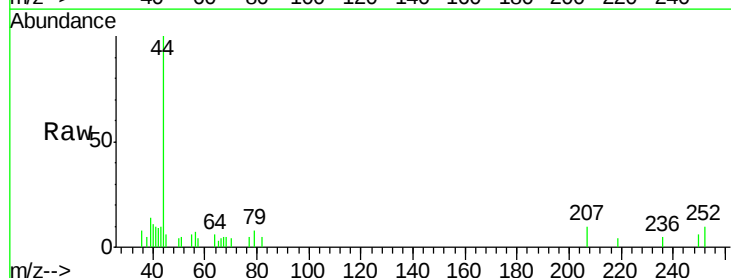
Acq: 12 Jul 2018 21:50

Tgt Ion: 56 Resp: 58

Ion Ratio Lower Upper

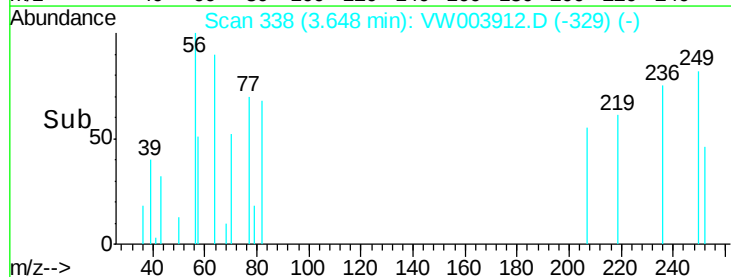
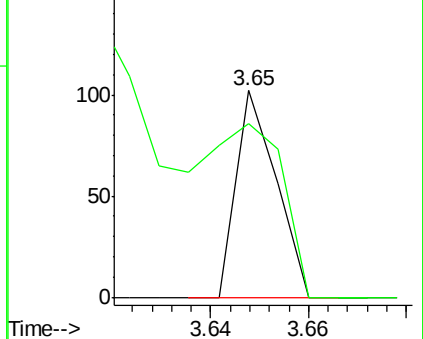
56 100

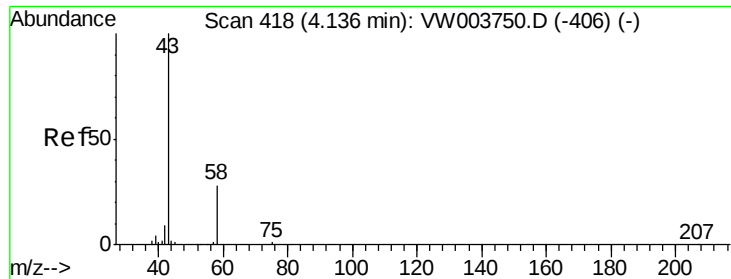
55 148.3 57.5 86.3#



Abundance Ion 56.00 (55.70 to 56.70): VW

Ion 55.00 (54.70 to 55.70): VW





#16

Acetone

Concen: 3.376 ug/l

RT: 4.15 min Scan# 420

Delta R.T. 0.01 min

Lab File: VW003912.D

Acq: 12 Jul 2018 21:50

Instrument :

MSVOA_W

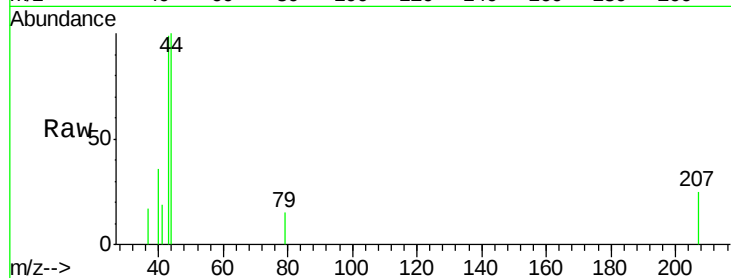
ClientSampled :

Tot Ion: 43 Resp: 1278

Ion Ratio Lower Upper

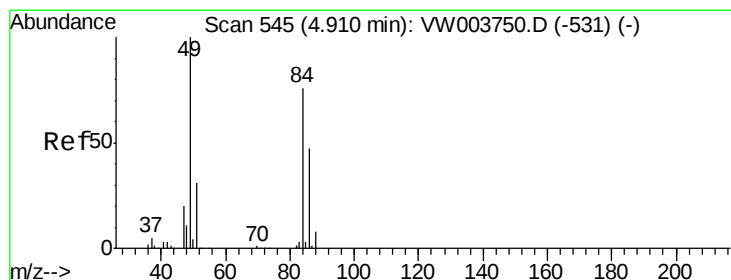
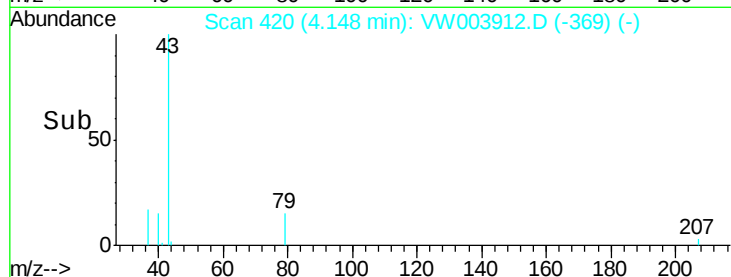
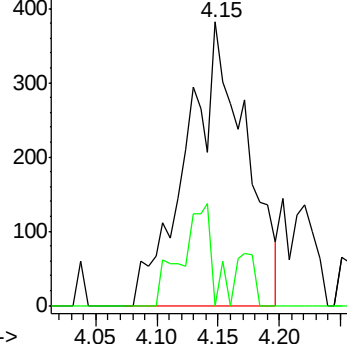
43 100

58 0.0 22.6 34.0#



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW



#20

Methylene Chloride

Concen: 7.516 ug/l

RT: 4.91 min Scan# 545

Delta R.T. 0.00 min

Lab File: VW003912.D

Acq: 12 Jul 2018 21:50

Tgt Ion: 84 Resp: 20740

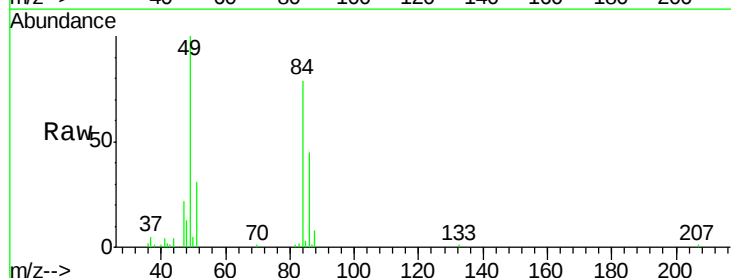
Ion Ratio Lower Upper

84 100

49 126.9 105.1 157.7

51 39.5 32.5 48.7

86 57.4 49.8 74.6

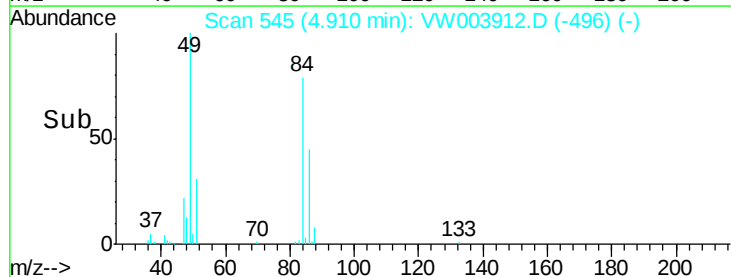
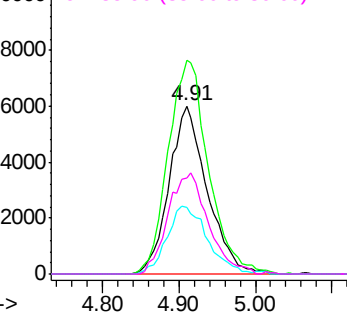


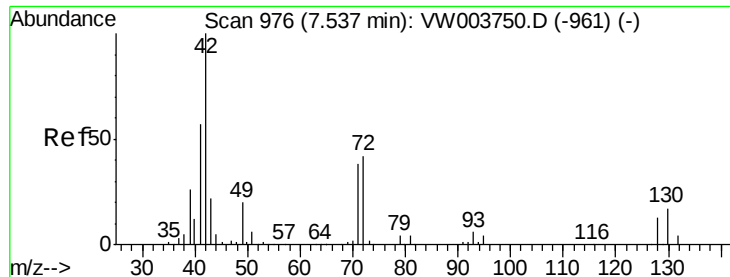
Abundance Ion 83.90 (83.60 to 84.60): VW

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

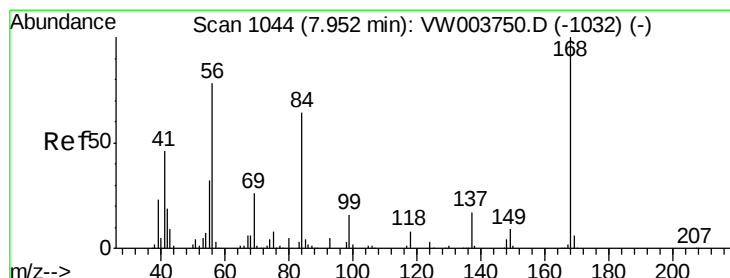
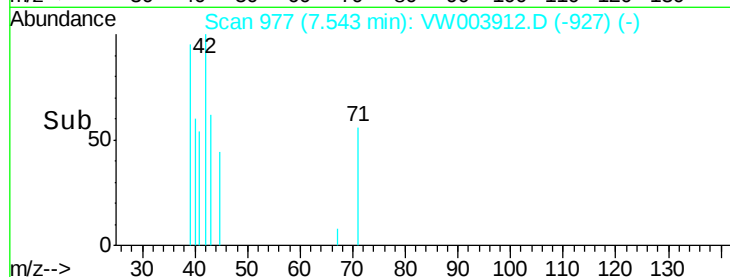
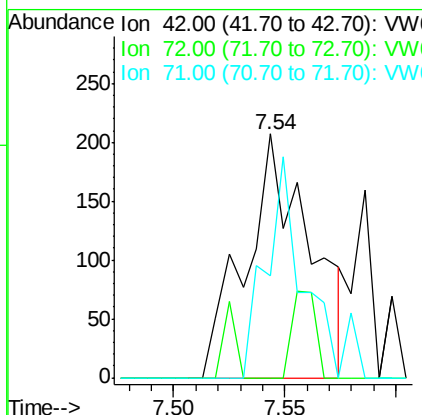
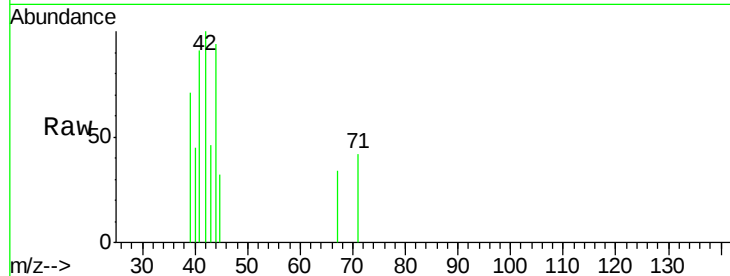




#29
Tetrahydrofuran
Concen: 1.089 ug/l
RT: 7.54 min Scan# 977
Delta R.T. 0.01 min
Lab File: VW003912.D
Acq: 12 Jul 2018 21:50

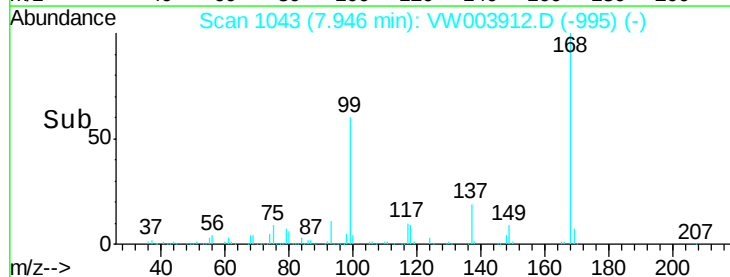
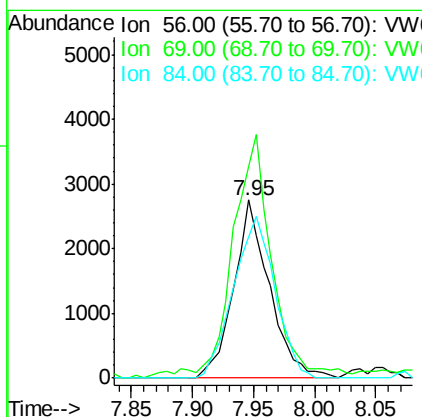
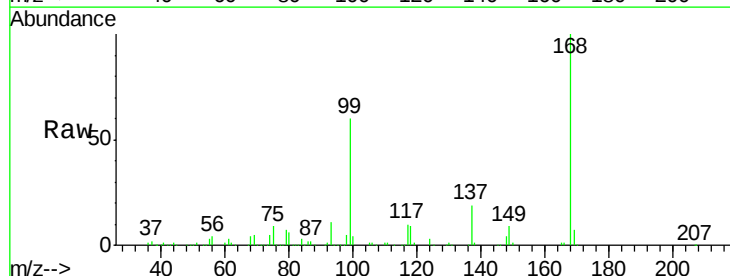
Instrument :
MSVOA_W
ClientSampled :

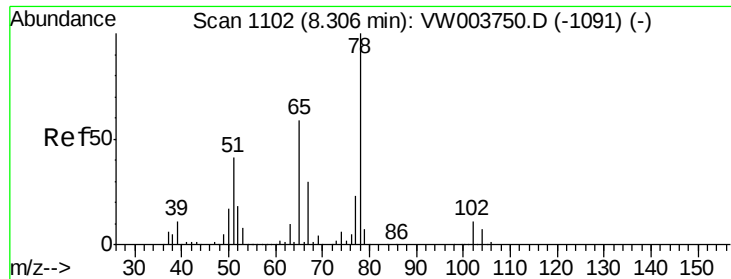
Tot Ion: 42 Resp: 415
Ion Ratio Lower Upper
42 100
72 12.8 31.8 47.8#
71 55.9 30.3 45.5#



#31
Cyclohexane
Concen: 1.756 ug/l
RT: 7.95 min Scan# 1043
Delta R.T. -0.01 min
Lab File: VW003912.D
Acq: 12 Jul 2018 21:50

Tgt Ion: 56 Resp: 5590
Ion Ratio Lower Upper
56 100
69 113.9 26.2 39.4#
84 79.6 65.5 98.3





#33

1,2-Dichloroethane-d4

Concen: 55.516 ug/l

RT: 8.31 min Scan# 1103

Delta R.T. 0.01 min

Lab File: VW003912.D

Acq: 12 Jul 2018 21:50

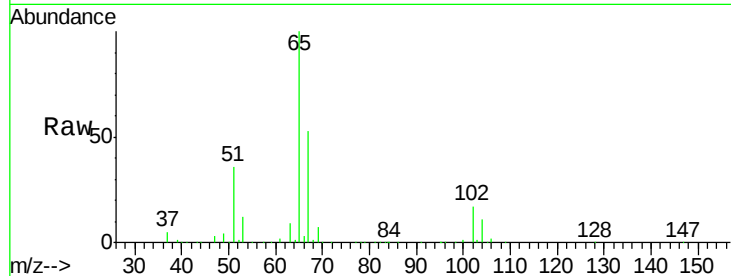
Instrument :
MSVOA_W
ClientSampleId :

Tot Ion: 65 Resp: 121139

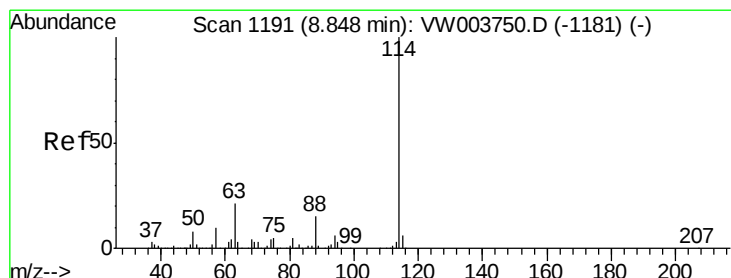
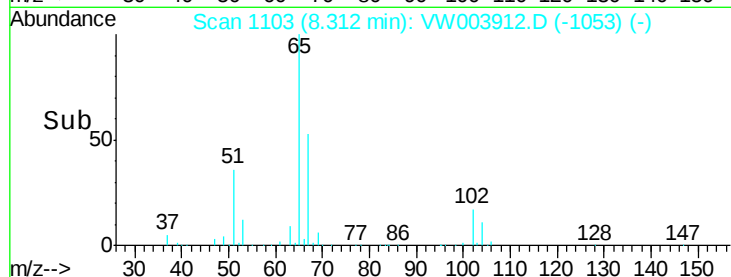
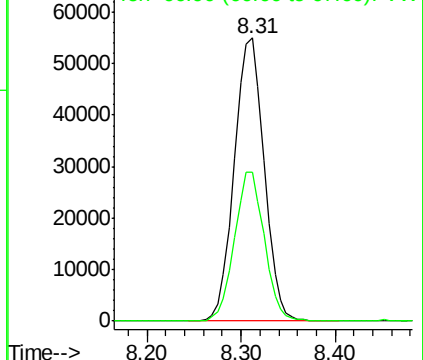
Ion Ratio Lower Upper

65 100

67 52.0 0.0 103.8



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: 8.85 min Scan# 1191

Delta R.T. -0.00 min

Lab File: VW003912.D

Acq: 12 Jul 2018 21:50

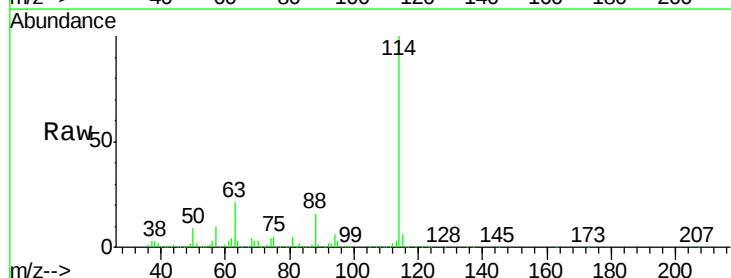
Tgt Ion: 114 Resp: 282894

Ion Ratio Lower Upper

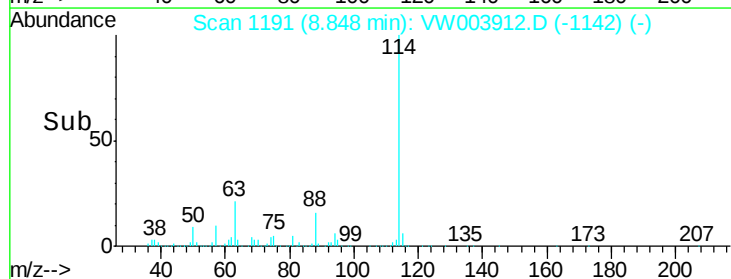
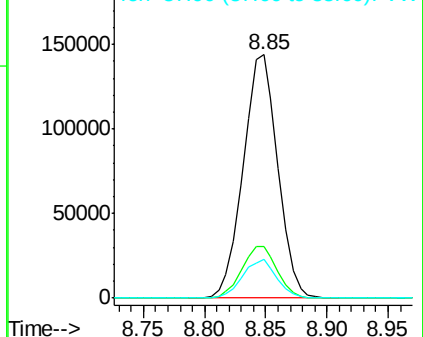
114 100

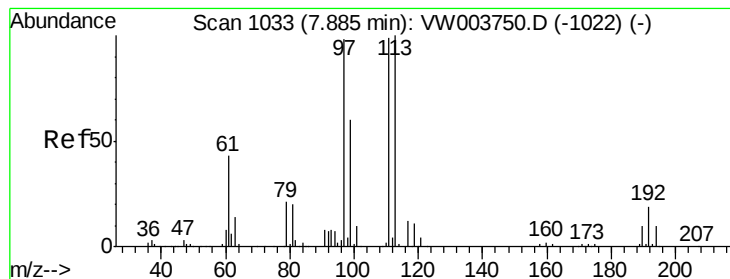
63 21.3 0.0 41.8

88 15.7 0.0 30.2



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: 49.724 ug/l

RT: 7.88 min Scan# 1033

Delta R.T. -0.00 min

Lab File: VW003912.D

Acq: 12 Jul 2018 21:50

Instrument :
MSVOA_W
ClientSampled :

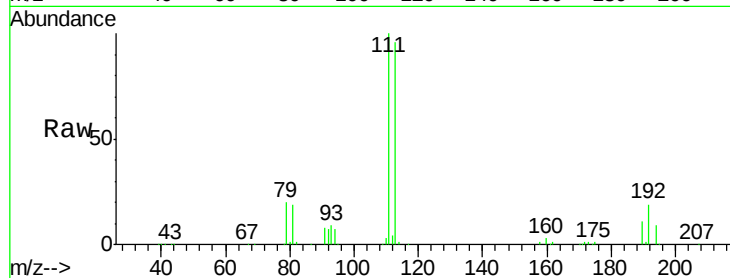
Tot Ion:113 Resp: 98451

Ion Ratio Lower Upper

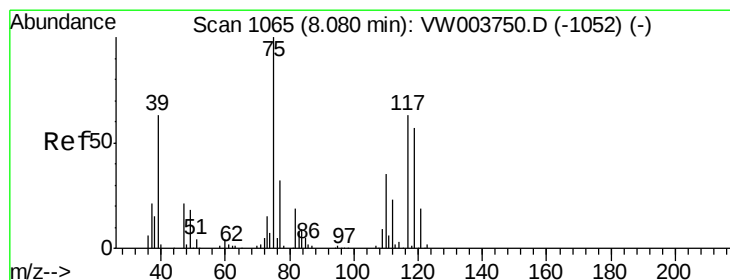
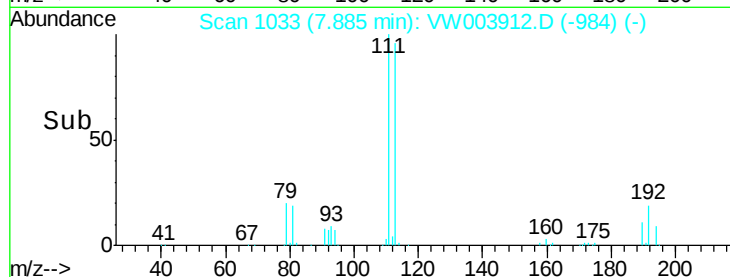
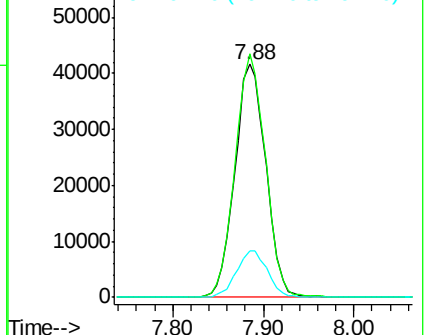
113 100

111 102.8 81.7 122.5

192 19.9 15.8 23.8



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: 4.795 ug/l

RT: 7.95 min Scan# 1043

Delta R.T. -0.13 min

Lab File: VW003912.D

Acq: 12 Jul 2018 21:50

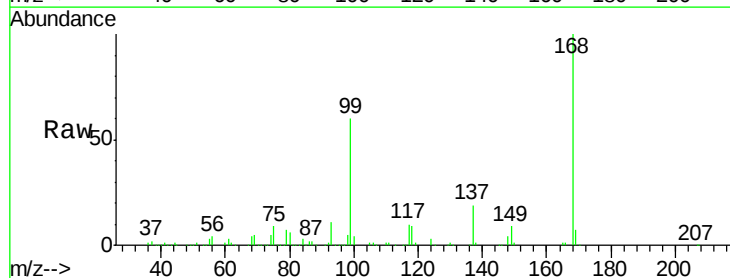
Tgt Ion: 75 Resp: 14392

Ion Ratio Lower Upper

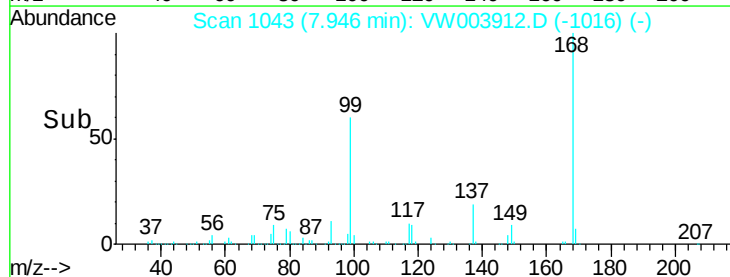
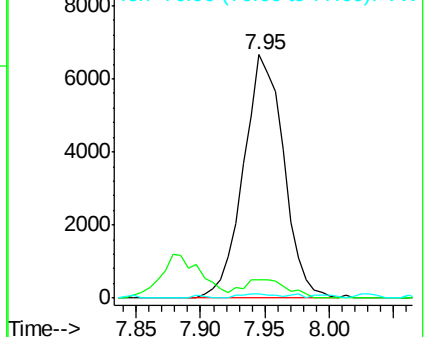
75 100

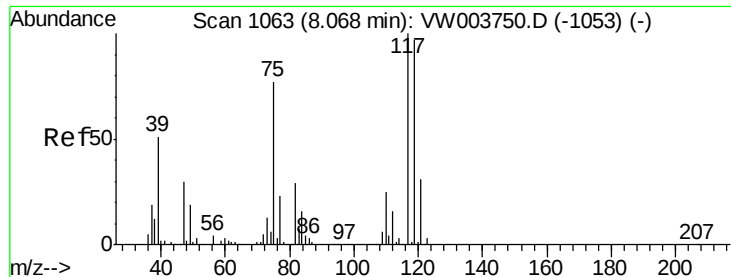
110 8.6 16.9 50.6#

77 1.5 24.8 37.2#



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: 5.937 ug/l

RT: 7.95 min Scan# 1044

Delta R.T. -0.12 min

Lab File: VW003912.D

Acq: 12 Jul 2018 21:50

Instrument :

MSVOA_W

ClientSampleId :

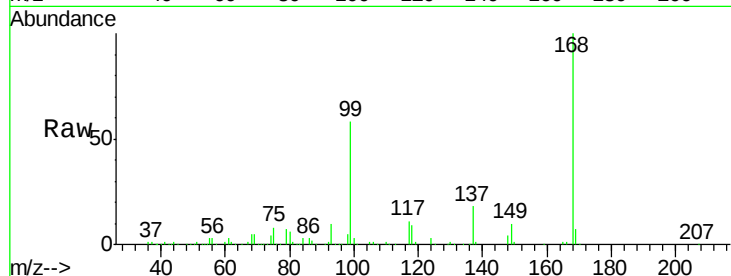
Tot Ion:117 Resp: 16943

Ion Ratio Lower Upper

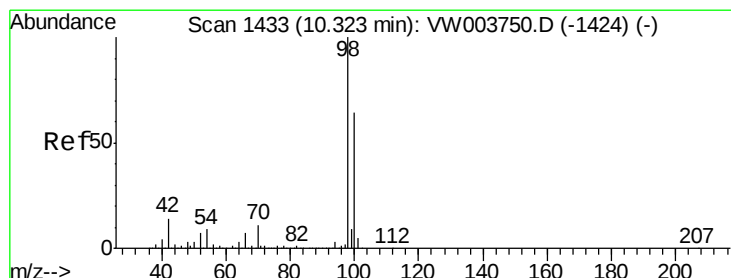
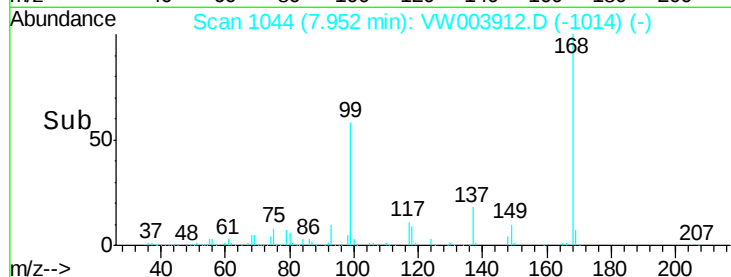
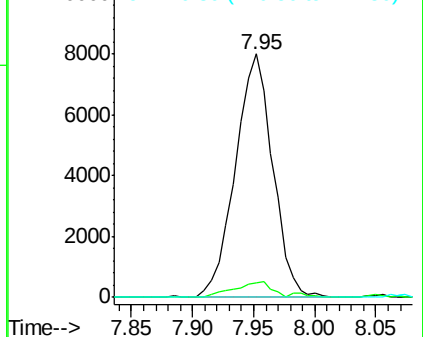
117 100

119 5.8 77.4 116.2#

121 0.0 24.6 37.0#



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



#50

Toluene-d8

Concen: 45.949 ug/l

RT: 10.33 min Scan# 1434

Delta R.T. 0.01 min

Lab File: VW003912.D

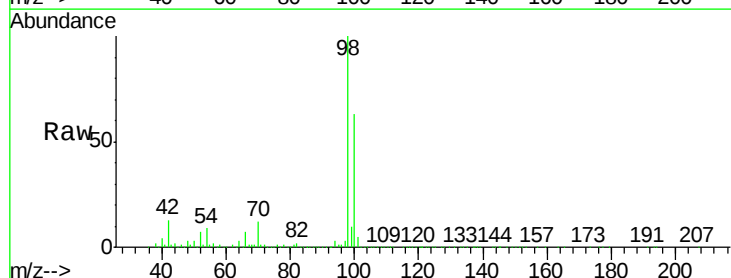
Acq: 12 Jul 2018 21:50

Tgt Ion: 98 Resp: 348001

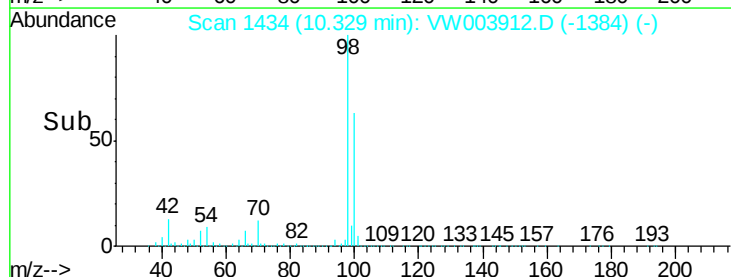
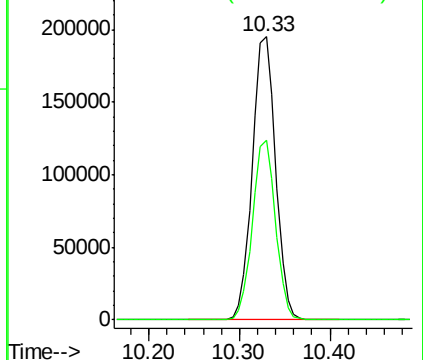
Ion Ratio Lower Upper

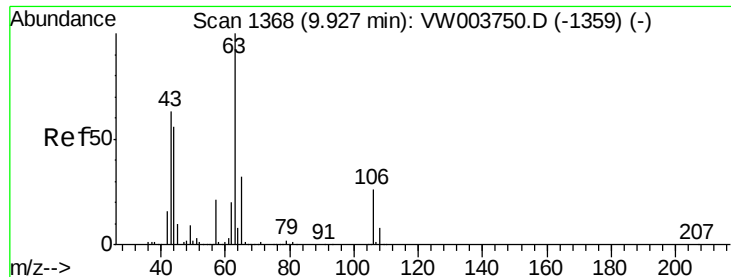
98 100

100 62.7 50.8 76.2



Abundance Ion 98.00 (97.70 to 98.70): VW
Ion 100.00 (99.70 to 100.70): VW

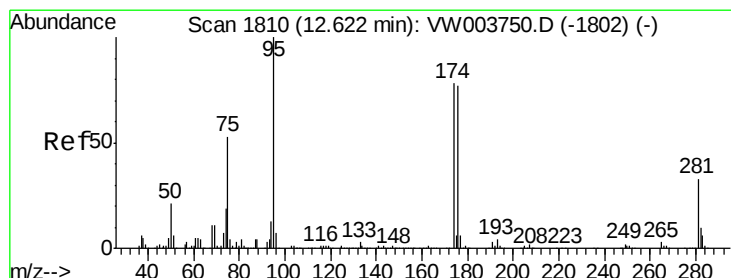
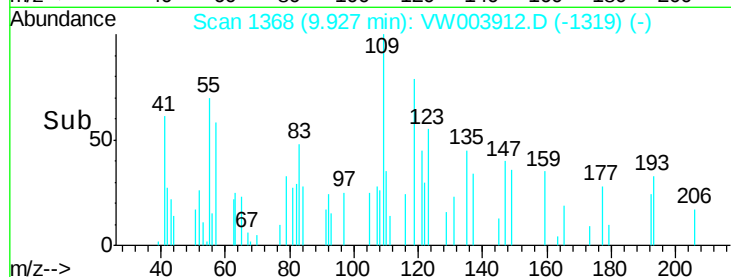
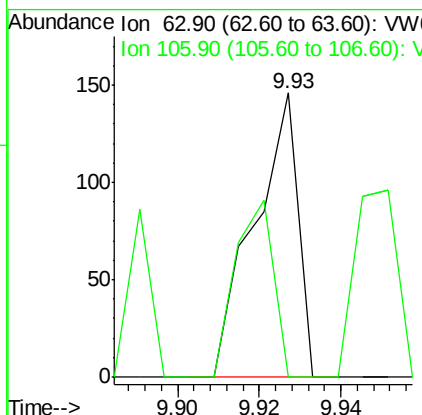
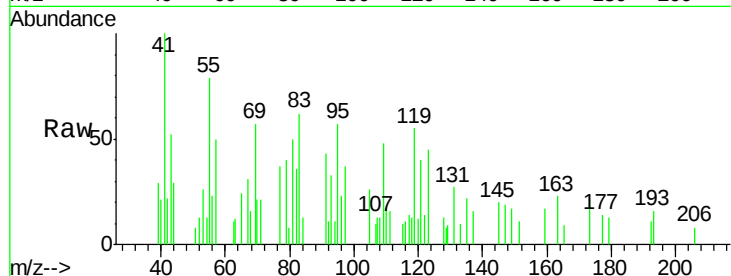




#58
 2-Chloroethyl Vinyl ether
 Concen: 13.266 ug/l
 RT: 9.93 min Scan# 1368
 Delta R.T. 0.00 min
 Lab File: VW003912.D
 Acq: 12 Jul 2018 21:50

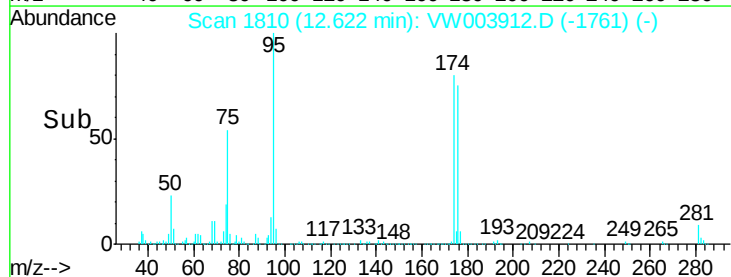
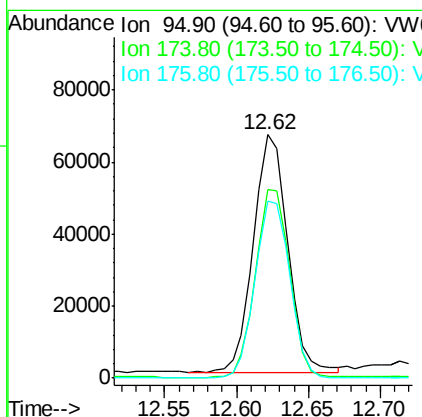
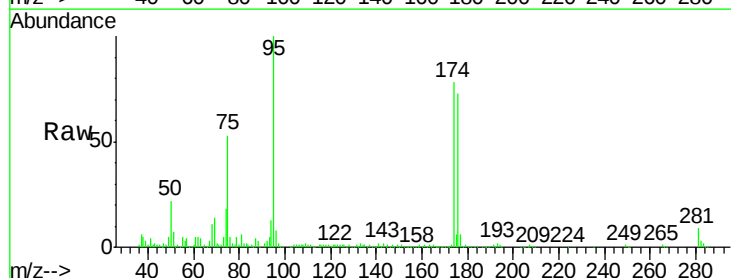
Instrument :
 MSVOA_W
 ClientSampleId :

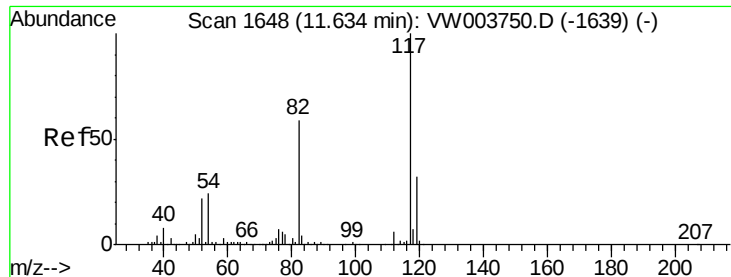
Tot Ion: 63 Resp: 109
 Ion Ratio Lower Upper
 63 100
 106 54.1 20.9 31.3#



#62
 4-Bromofluorobenzene
 Concen: 39.628 ug/l
 RT: 12.62 min Scan# 1810
 Delta R.T. -0.00 min
 Lab File: VW003912.D
 Acq: 12 Jul 2018 21:50

Tgt Ion: 95 Resp: 108593
 Ion Ratio Lower Upper
 95 100
 174 78.6 0.0 163.4
 176 75.7 0.0 156.8

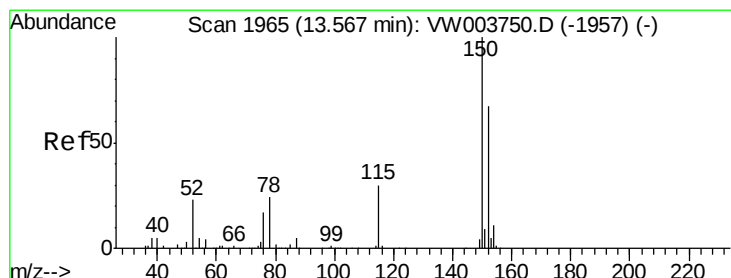
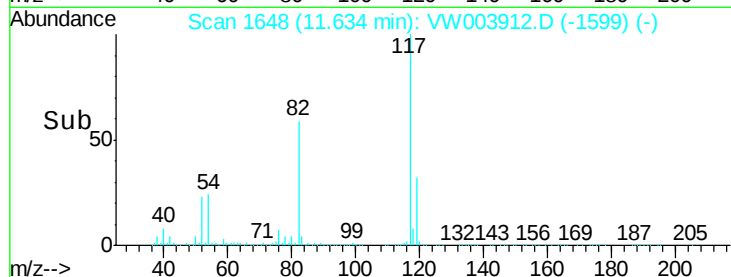
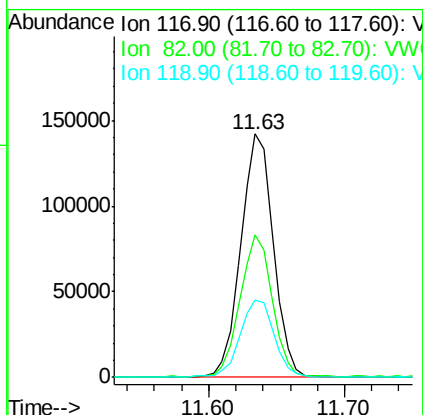
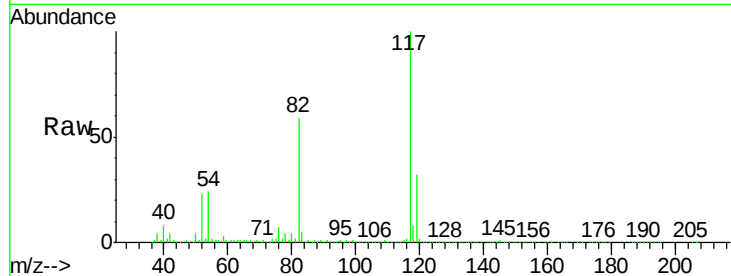




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1648
Delta R.T. -0.00 min
Lab File: VW003912.D
Acq: 12 Jul 2018 21:50

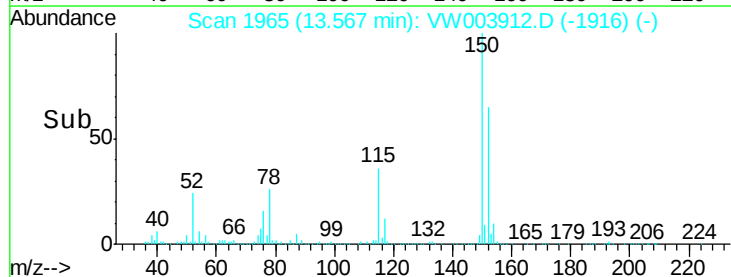
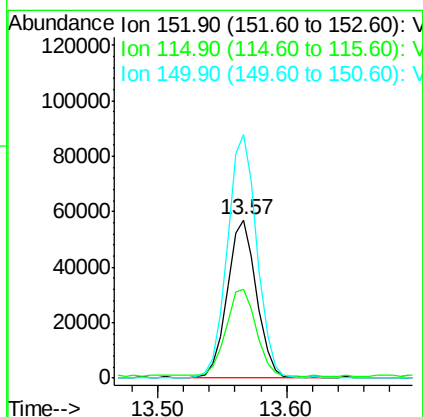
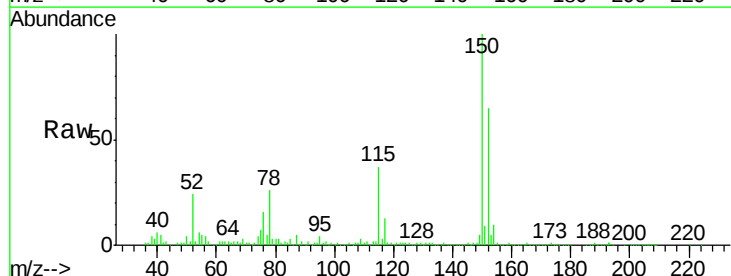
Instrument :
MSVOA_W
ClientSampleId :

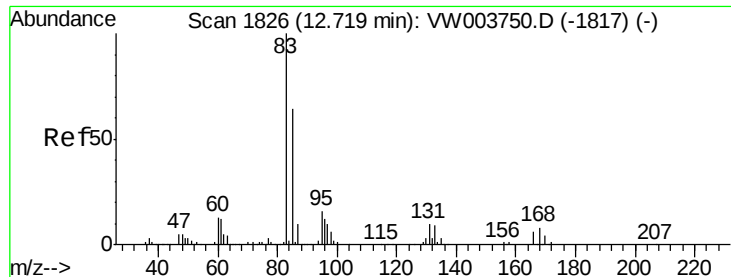
Tot Ion:117 Resp: 235480
Ion Ratio Lower Upper
117 100
82 58.5 46.9 70.3
119 31.7 25.5 38.3



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.57 min Scan# 1965
Delta R.T. -0.00 min
Lab File: VW003912.D
Acq: 12 Jul 2018 21:50

Tgt Ion:152 Resp: 89652
Ion Ratio Lower Upper
152 100
115 57.1 28.9 86.8
150 155.8 0.0 342.4





#75

1,1,2,2-Tetrachloroethane

Concen: 12.663 ug/l

RT: 12.71 min Scan# 1825

Delta R.T. -0.01 min

Lab File: VW003912.D

Acq: 12 Jul 2018 21:50

Instrument :

MSVOA_W

ClientSampled :

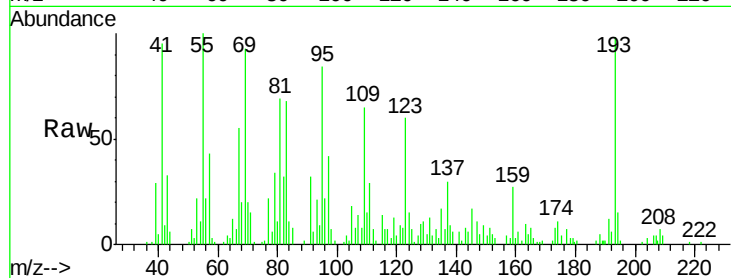
Tot Ion: 83 Resp: 15586

Ion Ratio Lower Upper

83 100

131 0.0 5.1 15.4#

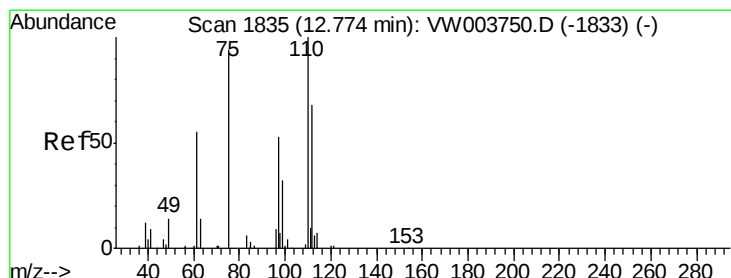
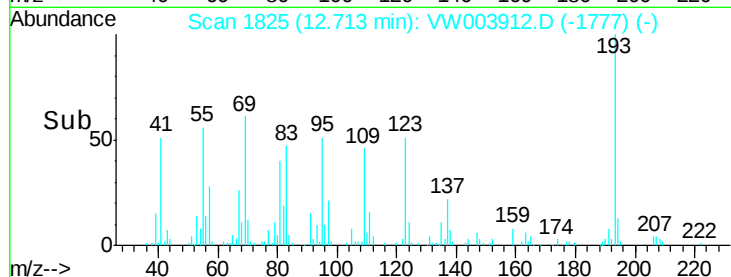
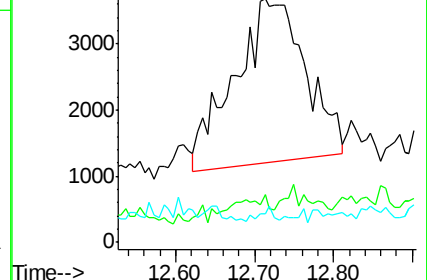
85 1.6 32.1 96.3#



Abundance Ion 82.90 (82.60 to 83.60): VW

Ion 130.80 (130.50 to 131.50): VW

Ion 84.90 (84.60 to 85.60): VW



#76

1,2,3-Trichloropropane

Concen: 64.207 ug/l

RT: 12.62 min Scan# 1810

Delta R.T. -0.15 min

Lab File: VW003912.D

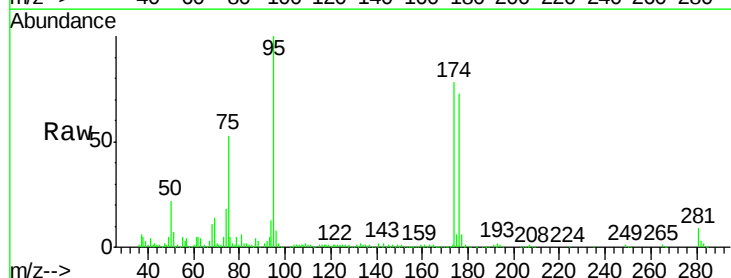
Acq: 12 Jul 2018 21:50

Tgt Ion: 75 Resp: 56526

Ion Ratio Lower Upper

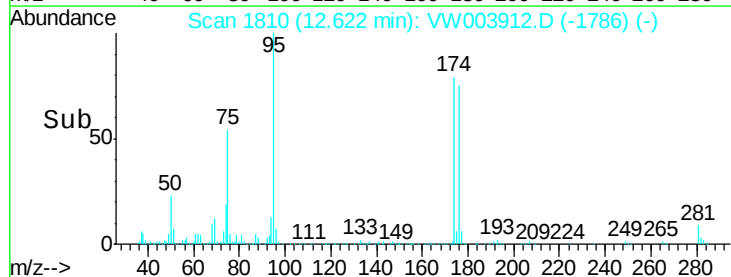
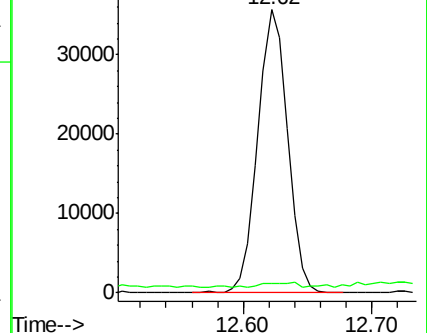
75 100

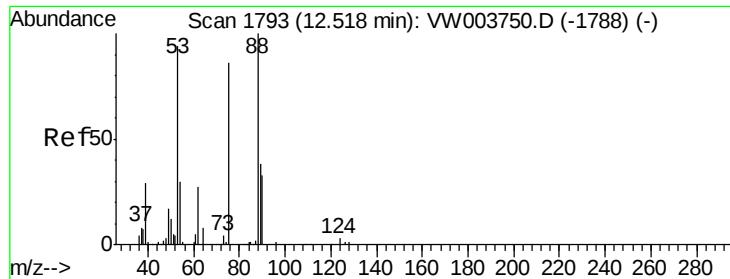
77 2.1 0.0 0.0#



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: 157.066 ug/l

RT: 12.62 min Scan# 1810

Delta R.T. 0.10 min

Lab File: VW003912.D

Acq: 12 Jul 2018 21:50

Instrument :

MSVOA_W

ClientSampleId :

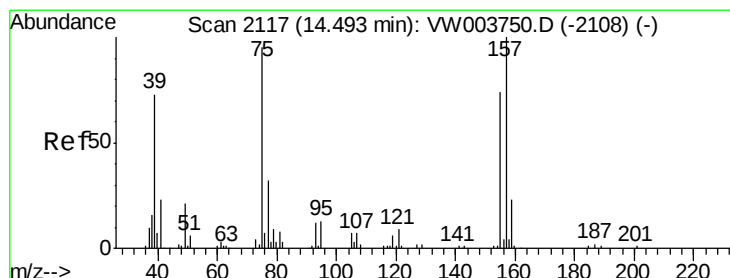
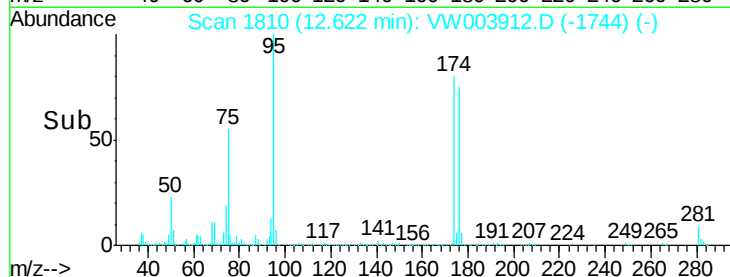
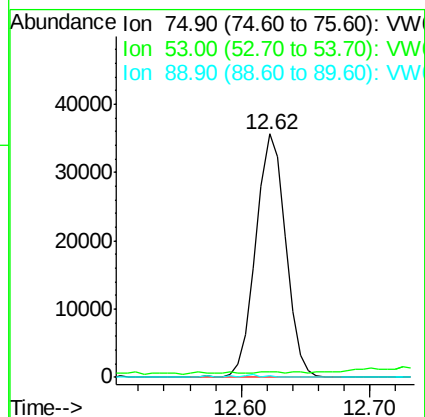
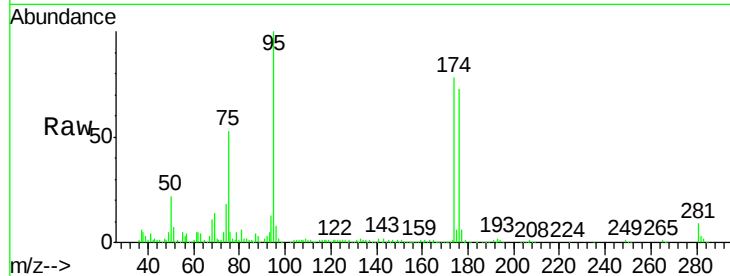
Tot Ion: 75 Resp: 56526

Ion Ratio Lower Upper

75 100

53 0.5 85.0 127.6#

89 0.8 36.3 54.5#



#92

1,2-Dibromo-3-Chloropropane

Concen: 1.563 ug/l

RT: 14.42 min Scan# 2105

Delta R.T. -0.07 min

Lab File: VW003912.D

Acq: 12 Jul 2018 21:50

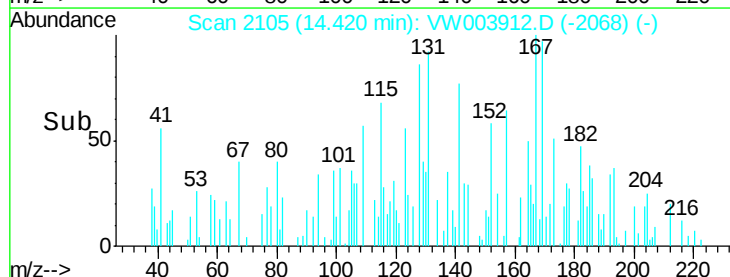
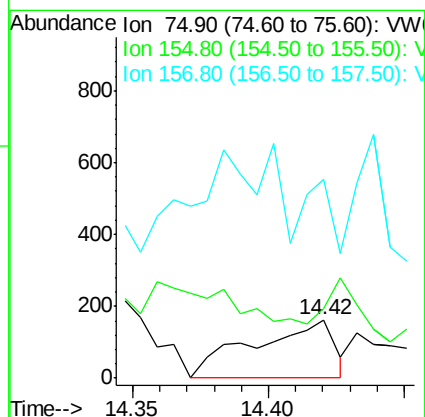
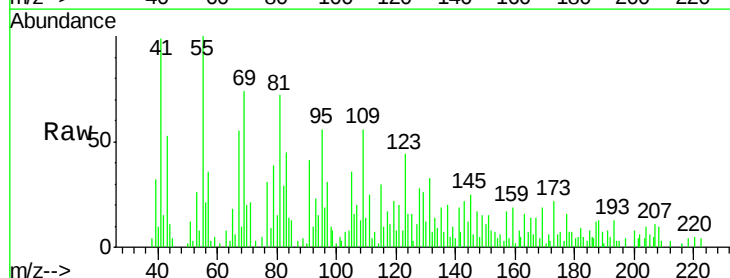
Tgt Ion: 75 Resp: 333

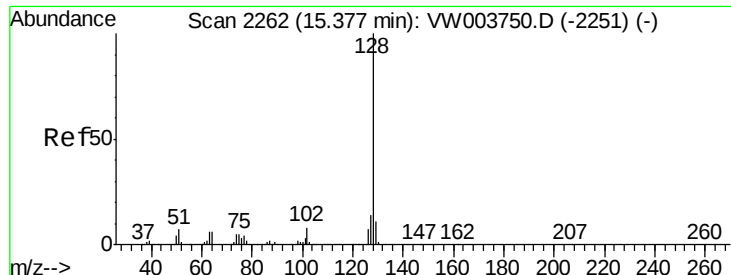
Ion Ratio Lower Upper

75 100

155 45.0 39.2 117.6

157 91.9 50.7 152.1





#95

Naphthalene

Concen: 2.564 ug/l

RT: 15.38 min Scan# 2262

Delta R.T. -0.00 min

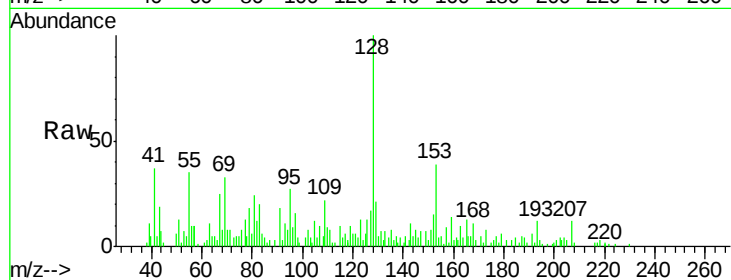
Lab File: VW003912.D

Acq: 12 Jul 2018 21:50

Instrument :

MSVOA_W

ClientSampleId :



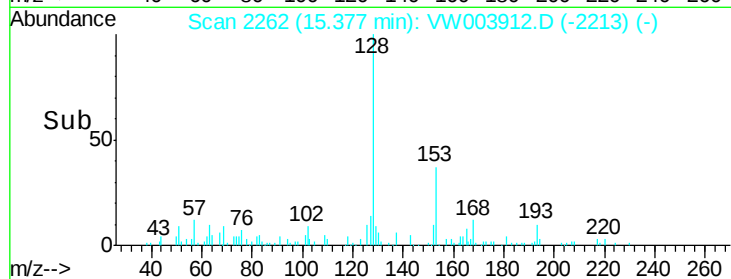
Tot Ion:128 Resp: 8526

Ion Ratio Lower Upper

128 100

127 15.6 10.8 16.2

129 20.5 8.6 13.0#



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V

