

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW102218\
 Data File : VW006255.D
 Acq On : 22 Oct 2018 16:52
 Operator : VA/AP
 Sample : J5610-08
 Misc : 5.69G/5ML/MSVOA W/SOIL
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 SB-4(8-10)

Quant Time: Oct 23 04:07:03 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W101518S.M
 Quant Title : SW846 8260
 QLast Update : Thu Oct 18 17:01:24 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	340098	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.85	114	482819	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	422646	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.57	152	199713	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	85779	30.42	ug/l	0.00
Spiked Amount			Recovery	=	60.84%	
35) Dibromofluoromethane	7.89	113	87806	30.78	ug/l	0.00
Spiked Amount			Recovery	=	61.56%	
50) Toluene-d8	10.33	98	299146	27.56	ug/l	0.00
Spiked Amount			Recovery	=	55.12%	
62) 4-Bromofluorobenzene	12.62	95	108850	26.70	ug/l	0.00
Spiked Amount			Recovery	=	53.40%	

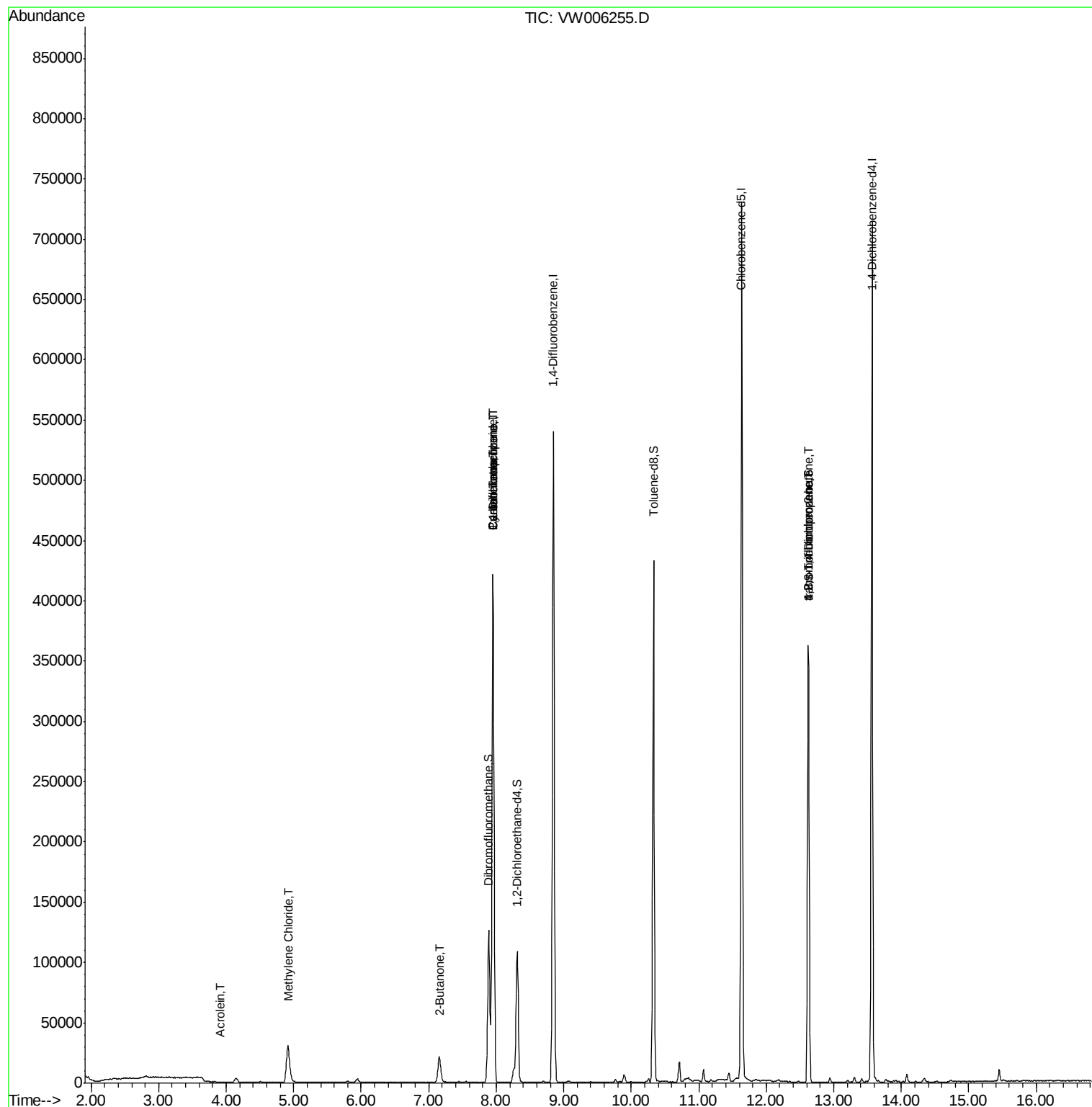
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
13) Acrolein	3.91	56	239	1.303	ug/l #	55
16) Acetone	4.14	43	6527	Below Cal		98
20) Methylene Chloride	4.92	84	27024	7.680	ug/l	93
25) 2-Butanone	7.17	43	1430	1.877	ug/l #	75
31) Cyclohexane	7.95	56	6018	1.166	ug/l #	5
36) 1,1-Dichloropropene	7.95	75	21808	4.900	ug/l #	49
38) Carbon Tetrachloride	7.95	117	30509	6.254	ug/l #	18
76) 1,2,3-Trichloropropane	12.62	75	55327	36.270	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.62	75	55327	86.700	ug/l #	10

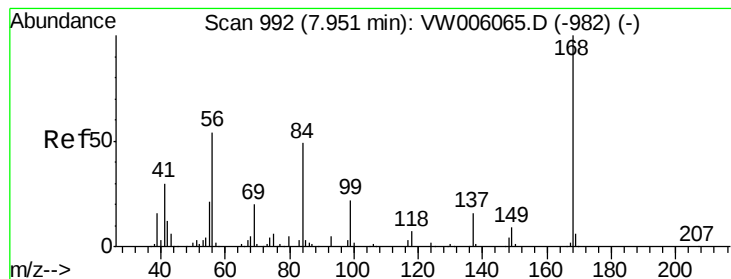
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
QLast Update : Thu Oct 18 17:01:24 2018
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.95 min Scan# 992

Delta R.T. 0.00 min

Lab File: VW006255.D

Acq: 22 Oct 2018 16:52

Instrument :

MSVOA_W

ClientSampleId :

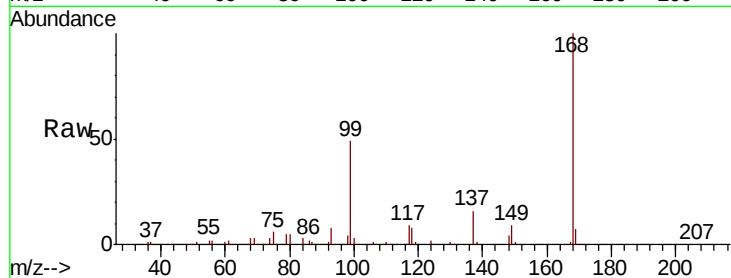
SB-4(8-10)

Tot Ion:168 Resp: 340098

Ion Ratio Lower Upper

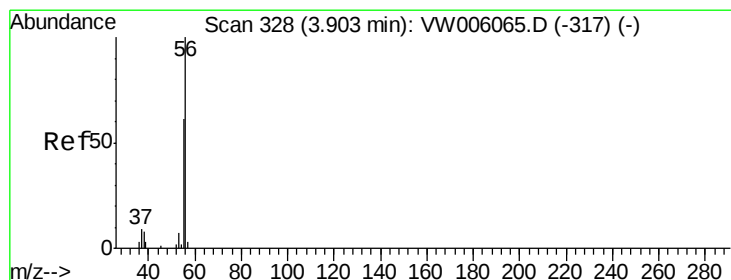
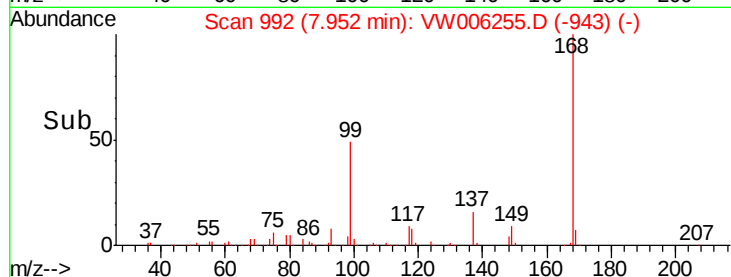
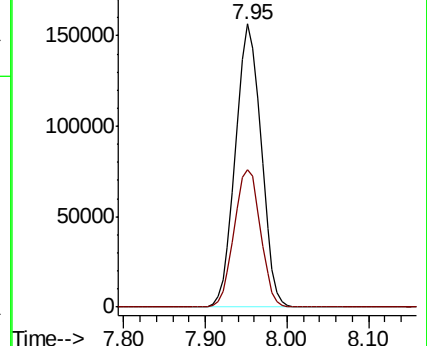
168 100

99 48.7 39.9 59.9



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW



#13

Acrolein

Concen: 1.303 ug/l

RT: 3.91 min Scan# 329

Delta R.T. 0.01 min

Lab File: VW006255.D

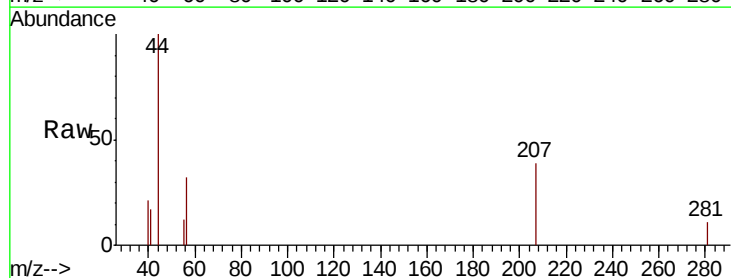
Acq: 22 Oct 2018 16:52

Tgt Ion: 56 Resp: 239

Ion Ratio Lower Upper

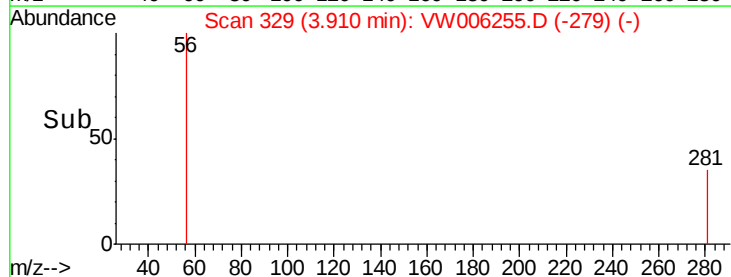
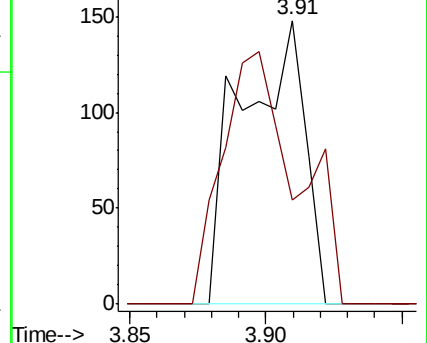
56 100

55 104.6 54.5 81.7#



Abundance Ion 56.00 (55.70 to 56.70): VW

Ion 55.00 (54.70 to 55.70): VW





#16

Acetone

Concen: Below Cal

RT: 4.14 min Scan# 367

Delta R.T. -0.01 min

Lab File: VW006255.D

Acq: 22 Oct 2018 16:52

Instrument :

MSVOA_W

ClientSampleId :

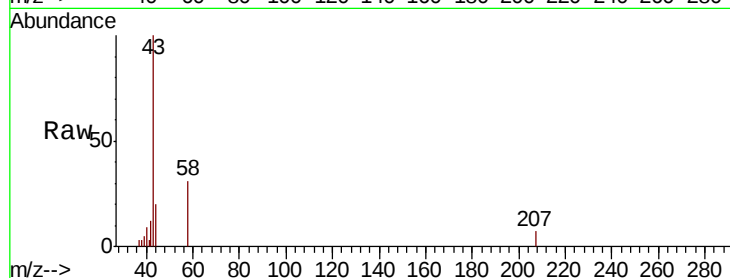
SB-4(8-10)

Tot Ion: 43 Resp: 6527

Ion Ratio Lower Upper

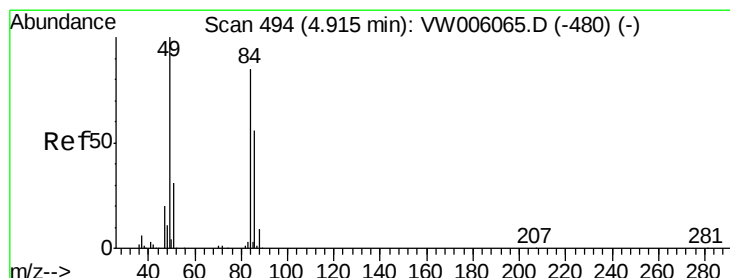
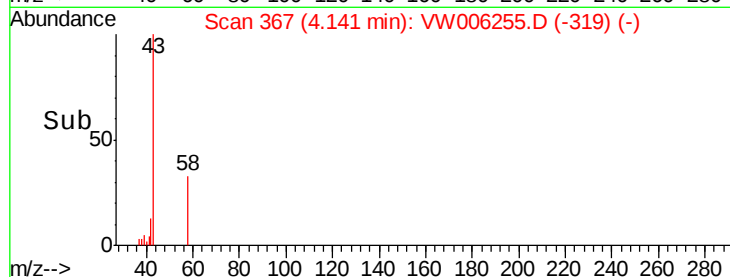
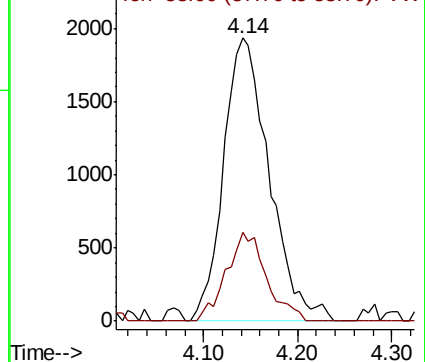
43 100

58 31.4 24.0 36.0



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW



#20

Methylene Chloride

Concen: 7.680 ug/l

RT: 4.92 min Scan# 494

Delta R.T. 0.00 min

Lab File: VW006255.D

Acq: 22 Oct 2018 16:52

Tgt Ion: 84 Resp: 27024

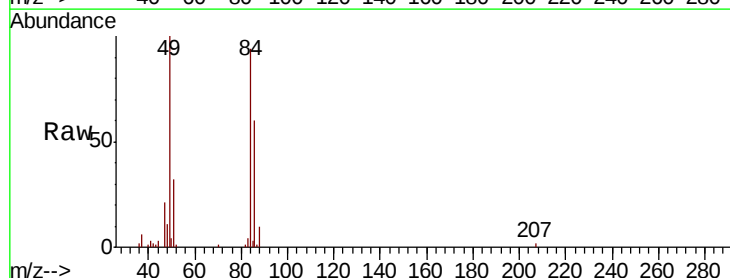
Ion Ratio Lower Upper

84 100

49 106.0 93.6 140.4

51 34.4 29.0 43.4

86 63.1 52.6 79.0

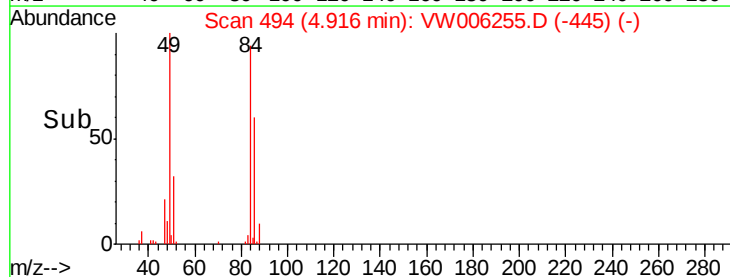
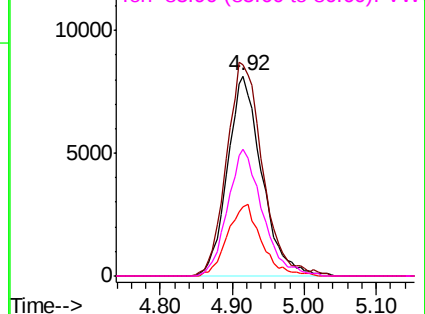


Abundance Ion 83.90 (83.60 to 84.60): VW

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: 1.877 ug/l

RT: 7.17 min Scan# 864

Delta R.T. -0.01 min

Lab File: VW006255.D

Acq: 22 Oct 2018 16:52

Instrument :

MSVOA_W

ClientSampleId :

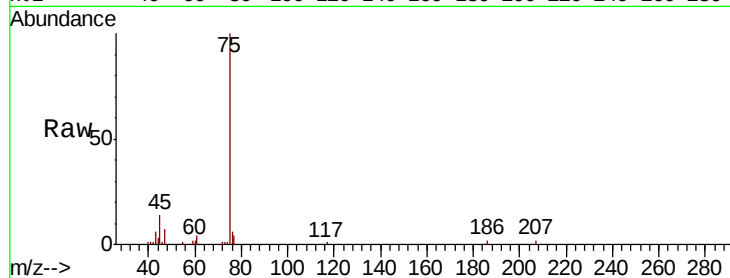
SB-4(8-10)

Tot Ion: 43 Resp: 1430

Ion Ratio Lower Upper

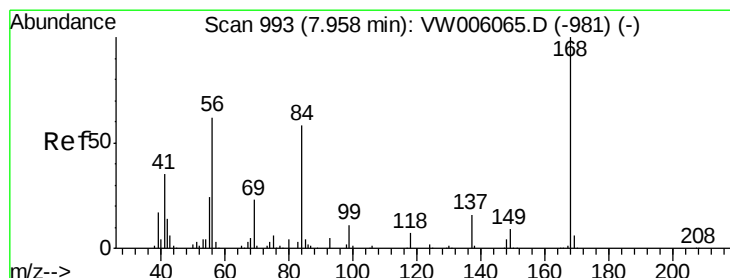
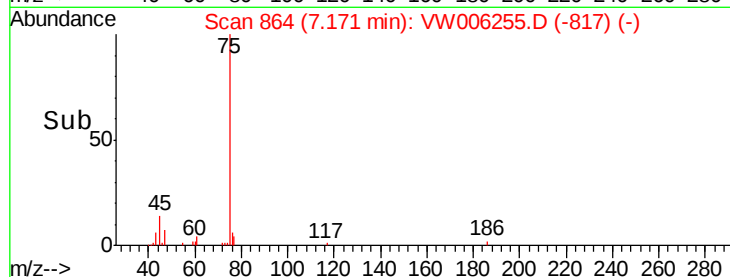
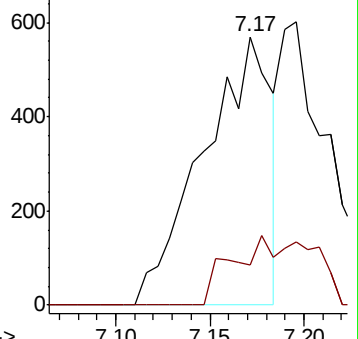
43 100

72 15.1 22.8 34.2#



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 72.00 (71.70 to 72.70): VW



#31

Cyclohexane

Concen: 1.166 ug/l

RT: 7.95 min Scan# 991

Delta R.T. -0.01 min

Lab File: VW006255.D

Acq: 22 Oct 2018 16:52

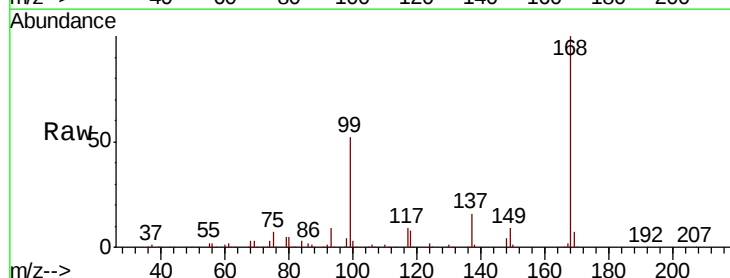
Tgt Ion: 56 Resp: 6018

Ion Ratio Lower Upper

56 100

69 170.4 29.4 44.0#

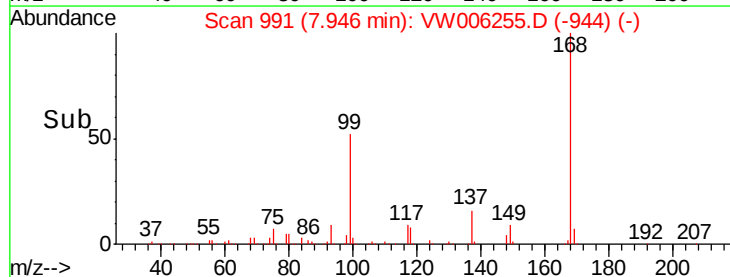
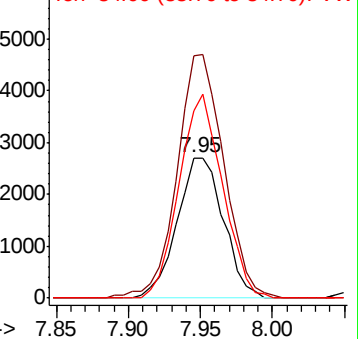
84 133.9 74.0 111.0#

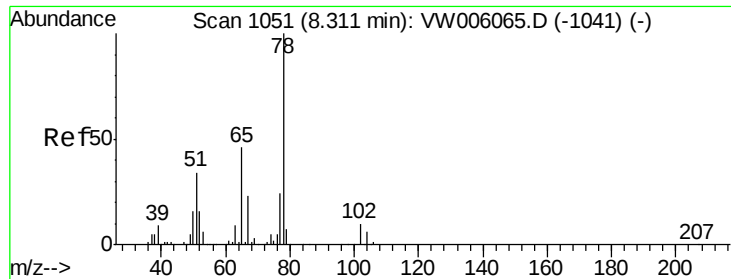


Abundance Ion 56.00 (55.70 to 56.70): VW

Ion 69.00 (68.70 to 69.70): VW

Ion 84.00 (83.70 to 84.70): VW

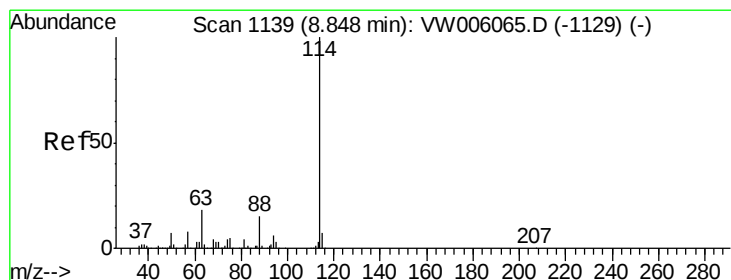
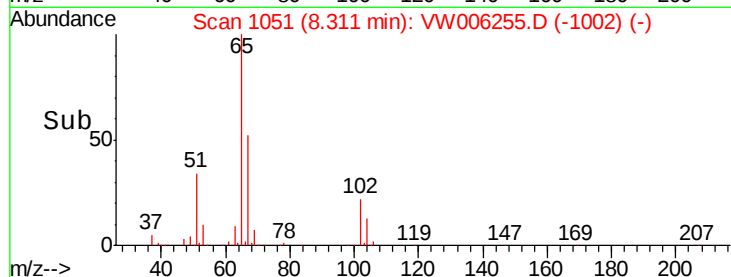
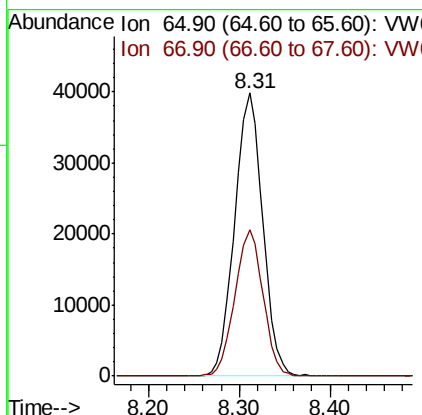
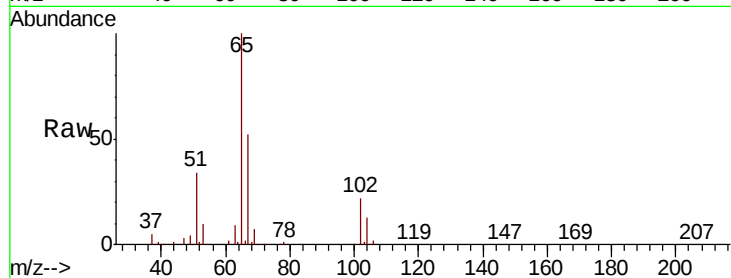




#33
 1,2-Dichloroethane-d4
 Concen: 30.422 ug/l
 RT: 8.31 min Scan# 1051
 Delta R.T. 0.00 min
 Lab File: VW006255.D
 Acq: 22 Oct 2018 16:52

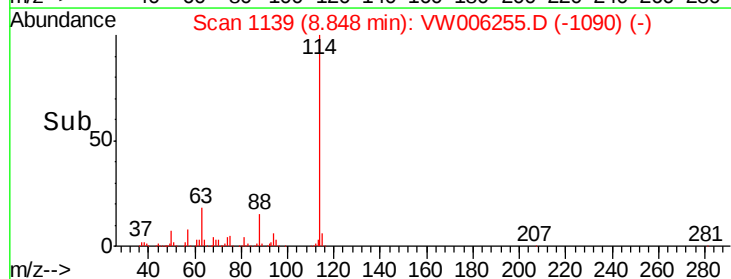
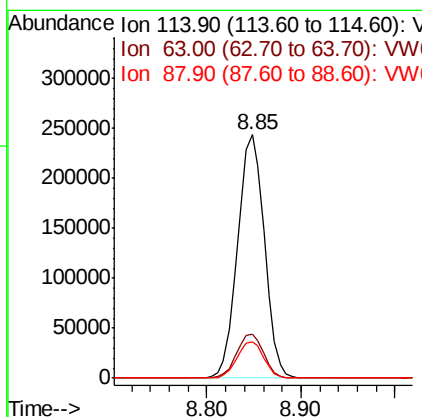
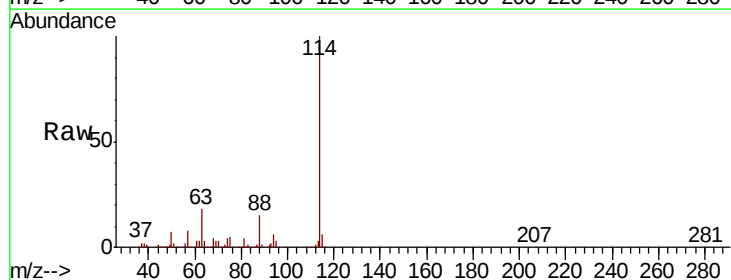
Instrument :
 MSVOA_W
 ClientSampleId :
 SB-4(8-10)

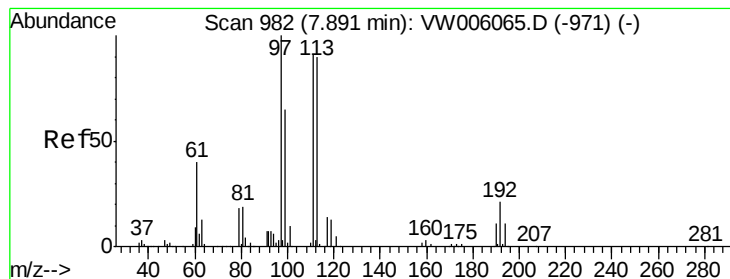
Tot Ion: 65 Resp: 85779
 Ion Ratio Lower Upper
 65 100
 67 51.7 0.0 101.0



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.85 min Scan# 1139
 Delta R.T. 0.00 min
 Lab File: VW006255.D
 Acq: 22 Oct 2018 16:52

Tgt Ion: 114 Resp: 482819
 Ion Ratio Lower Upper
 114 100
 63 18.3 0.0 36.8
 88 15.0 0.0 29.0





#35

Dibromofluoromethane

Concen: 30.777 ug/l

RT: 7.89 min Scan# 982

Delta R.T. 0.00 min

Lab File: VW006255.D

Acq: 22 Oct 2018 16:52

Instrument :

MSVOA_W

ClientSampleId :

SB-4(8-10)

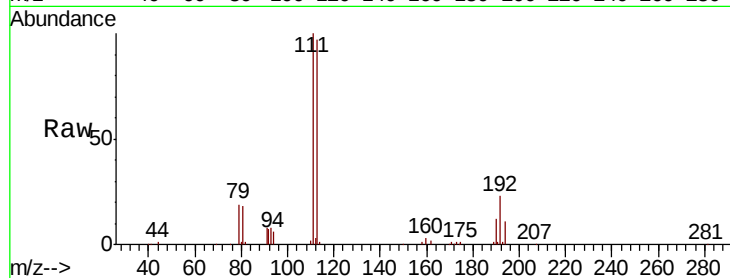
Tot Ion:113 Resp: 87806

Ion Ratio Lower Upper

113 100

111 102.4 81.4 122.0

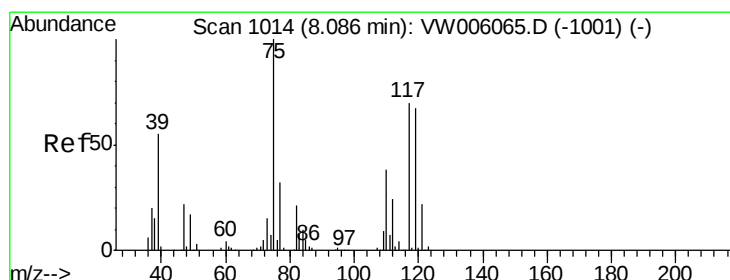
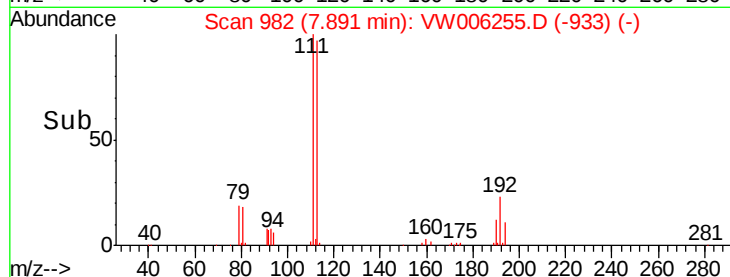
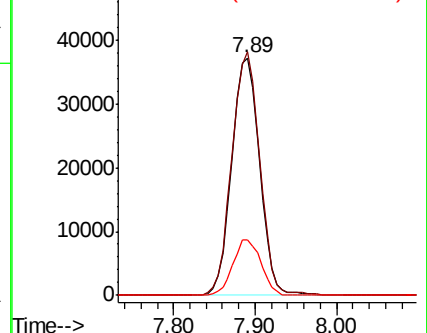
192 23.6 18.7 28.1



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: 4.900 ug/l

RT: 7.95 min Scan# 992

Delta R.T. -0.13 min

Lab File: VW006255.D

Acq: 22 Oct 2018 16:52

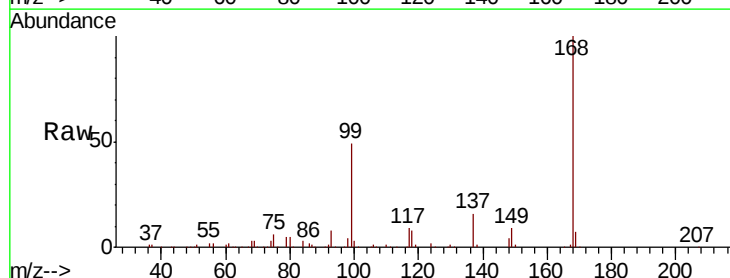
Tgt Ion: 75 Resp: 21808

Ion Ratio Lower Upper

75 100

110 10.0 19.1 57.1#

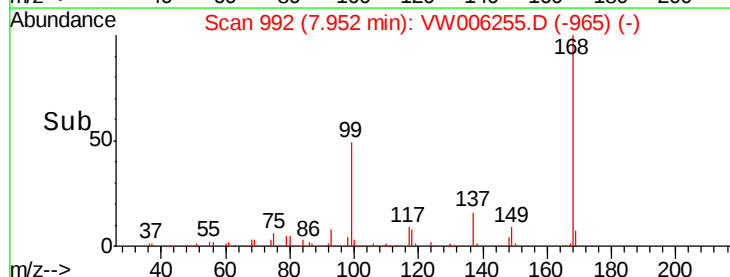
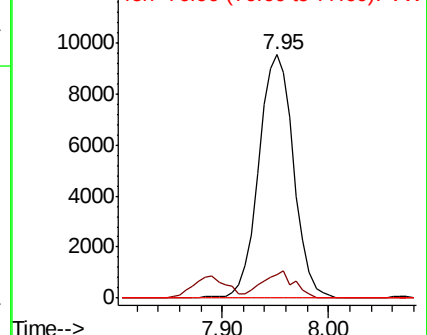
77 0.0 25.0 37.4#

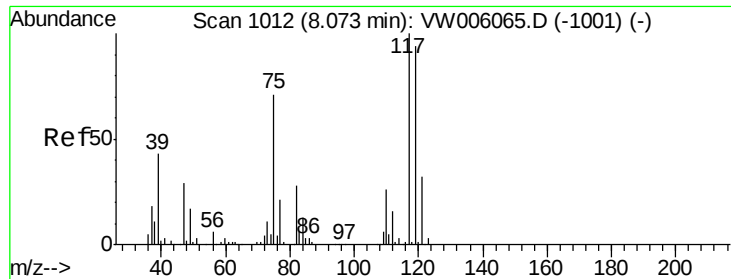


Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VW

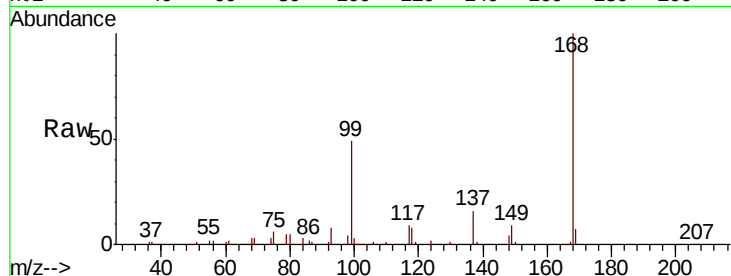




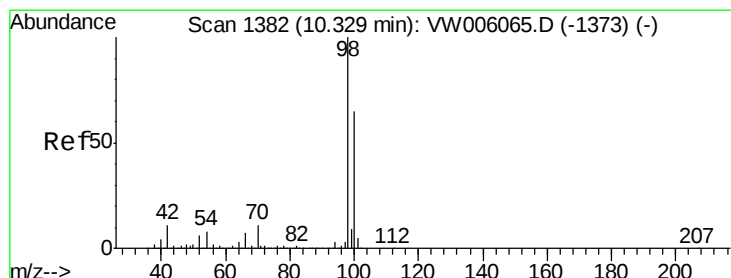
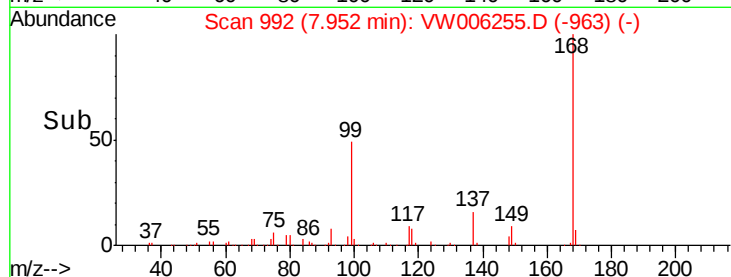
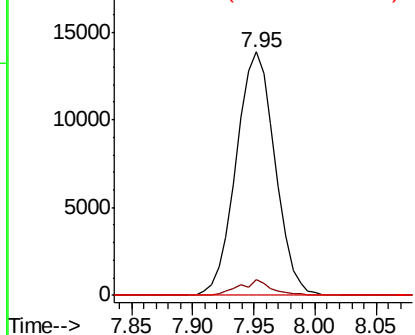
#38
Carbon Tetrachloride
Concen: 6.254 ug/l
RT: 7.95 min Scan# 992
Delta R.T. -0.12 min
Lab File: VW006255.D
Acq: 22 Oct 2018 16:52

Instrument :
MSVOA_W
ClientSampleId :
SB-4(8-10)

Tot Ion:117 Resp: 30509
Ion Ratio Lower Upper
117 100
119 6.3 75.2 112.8#
121 0.0 25.3 37.9#

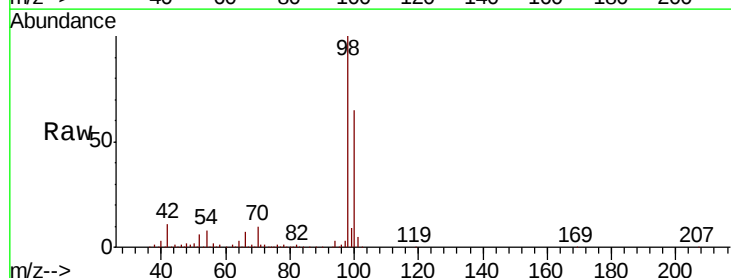


Abundance Ion 116.80 (116.50 to 117.50): V
Ion 118.80 (118.50 to 119.50): V
Ion 120.80 (120.50 to 121.50): V

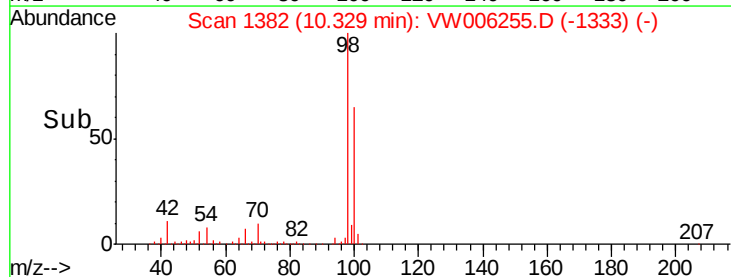
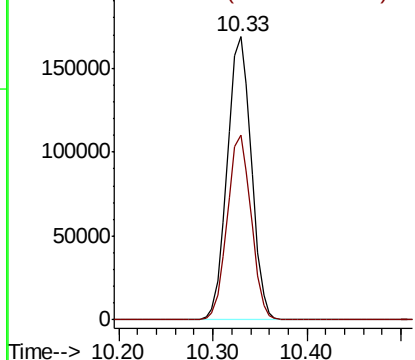


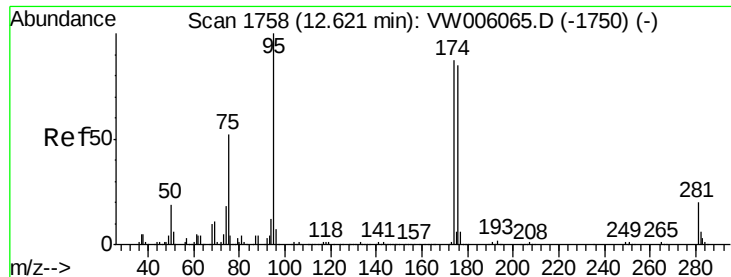
#50
Toluene-d8
Concen: 27.561 ug/l
RT: 10.33 min Scan# 1382
Delta R.T. 0.00 min
Lab File: VW006255.D
Acq: 22 Oct 2018 16:52

Tgt Ion: 98 Resp: 299146
Ion Ratio Lower Upper
98 100
100 64.6 51.6 77.4



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





#62

4-Bromofluorobenzene

Concen: 26.701 ug/l

RT: 12.62 min Scan# 1758

Delta R.T. 0.00 min

Lab File: VW006255.D

Acq: 22 Oct 2018 16:52

Instrument :

MSVOA_W

ClientSampleId :

SB-4(8-10)

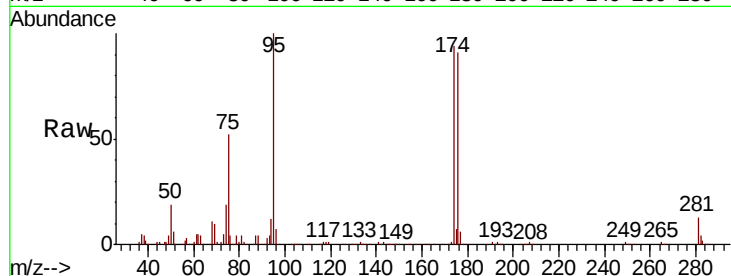
Tot Ion: 95 Resp: 108850

Ion Ratio Lower Upper

95 100

174 95.7 0.0 186.0

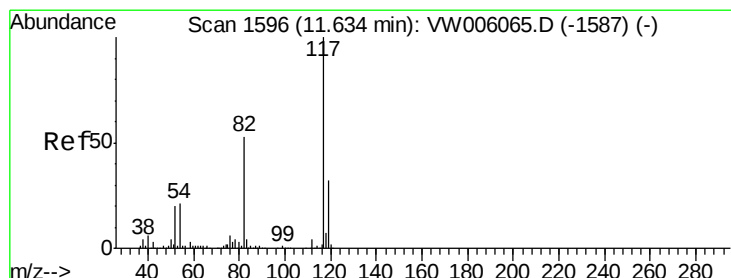
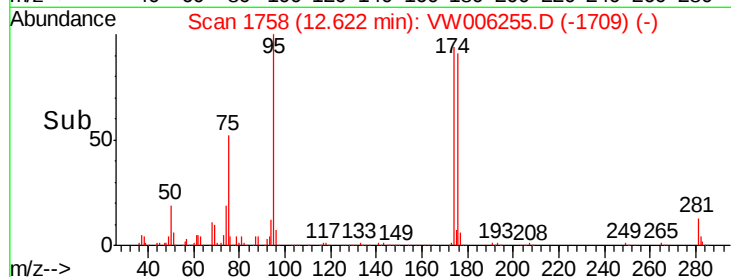
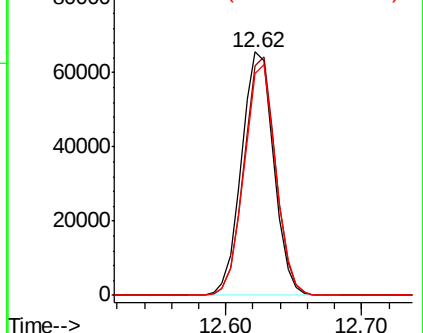
176 93.4 0.0 181.6



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: VW006255.D

Acq: 22 Oct 2018 16:52

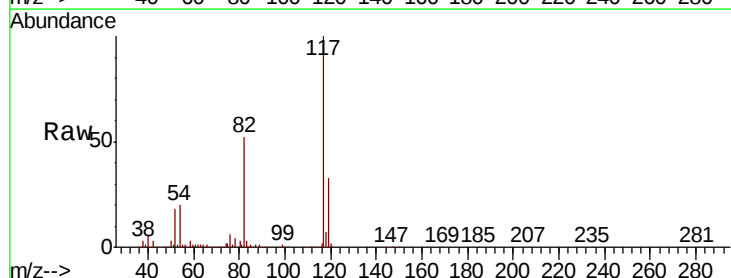
Tgt Ion: 117 Resp: 422646

Ion Ratio Lower Upper

117 100

82 52.1 42.1 63.1

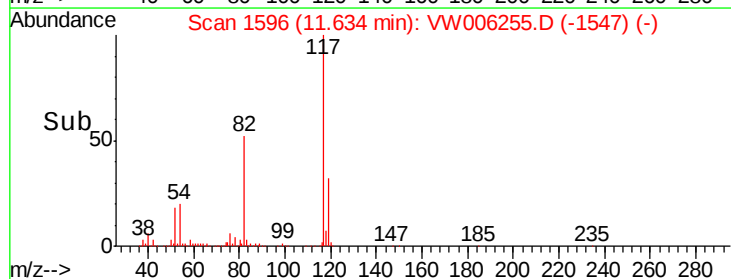
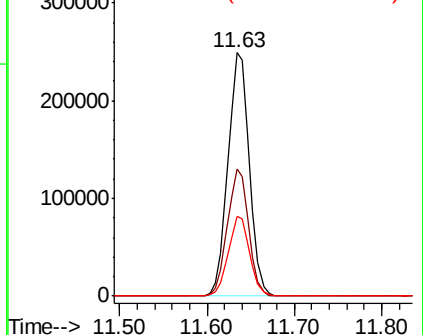
119 32.6 25.8 38.6

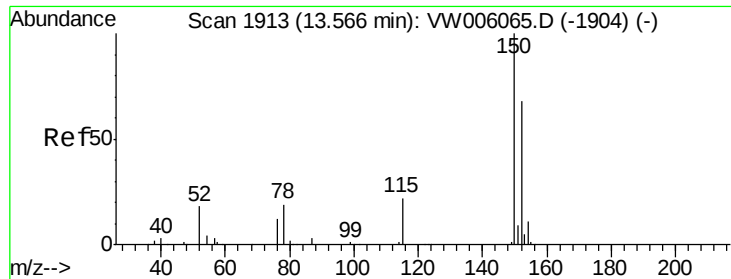


Abundance Ion 116.90 (116.60 to 117.60): VW

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: 13.57 min Scan# 1913

Delta R.T. 0.00 min

Lab File: VW006255.D

Acq: 22 Oct 2018 16:52

Instrument :

MSVOA_W

ClientSampleId :

SB-4(8-10)

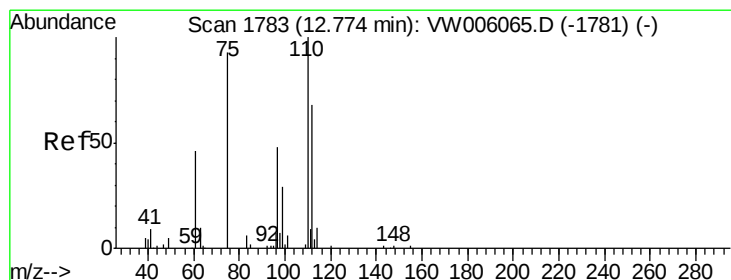
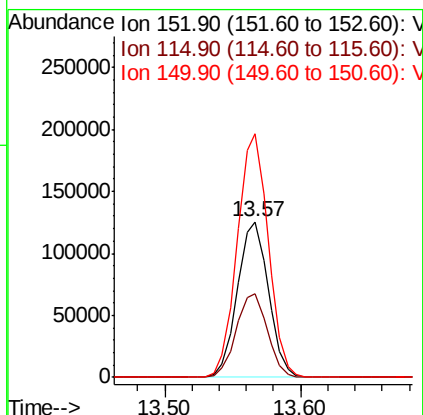
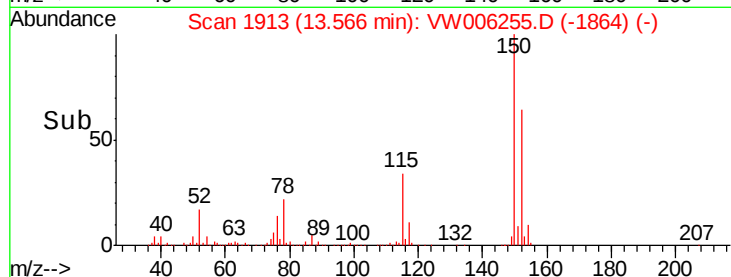
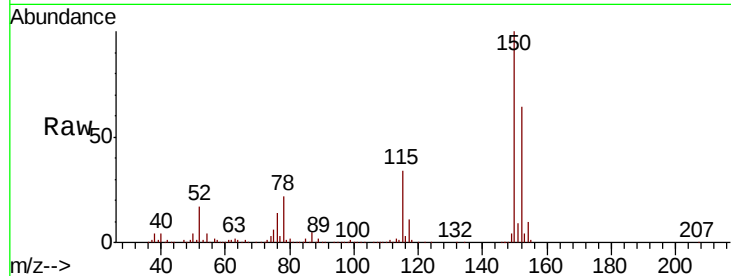
Tot Ion:152 Resp: 199713

Ion Ratio Lower Upper

152 100

115 54.4 27.8 83.3

150 156.3 0.0 349.2



#76

1,2,3-Trichloropropane

Concen: 36.270 ug/l

RT: 12.62 min Scan# 1758

Delta R.T. -0.15 min

Lab File: VW006255.D

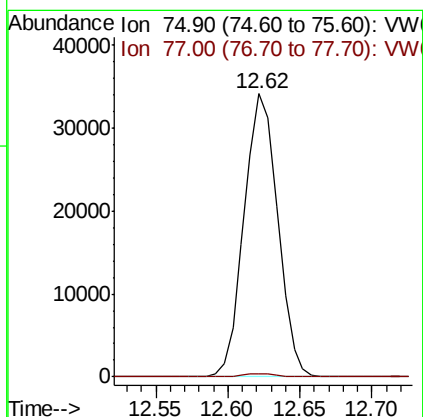
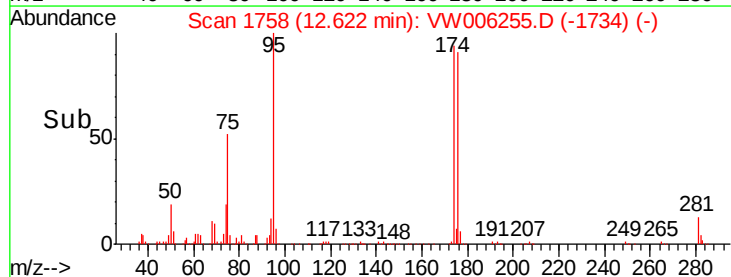
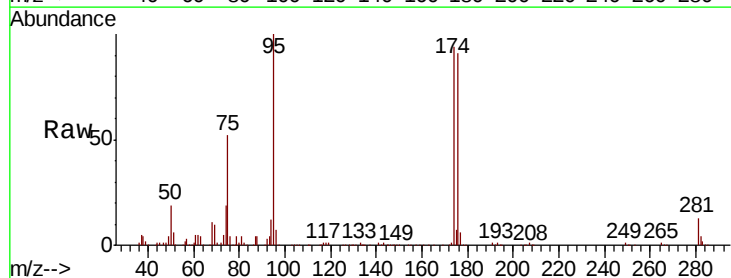
Acq: 22 Oct 2018 16:52

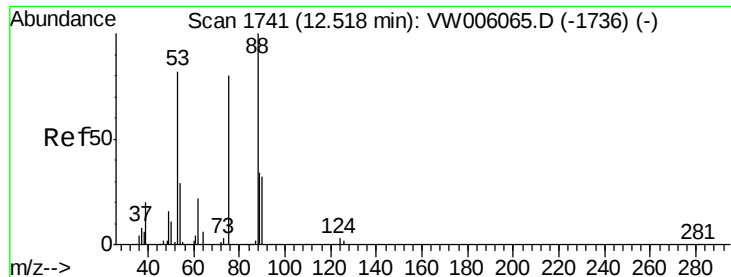
Tgt Ion: 75 Resp: 55327

Ion Ratio Lower Upper

75 100

77 1.1 0.0 0.0#





#81

trans-1,4-Dichloro-2-butene

Concen: 86.700 ug/l

RT: 12.62 min Scan# 1758

Delta R.T. 0.10 min

Lab File: VW006255.D

Acq: 22 Oct 2018 16:52

Instrument :

MSVOA_W

ClientSampleId :

SB-4(8-10)

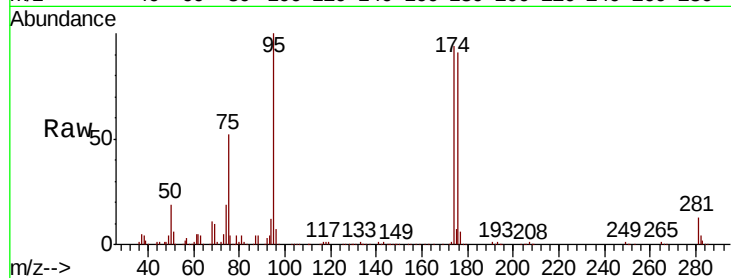
Tot Ion: 75 Resp: 55327

Ion Ratio Lower Upper

75 100

53 0.0 79.8 119.6#

89 0.0 37.5 56.3#



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

