

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW021519\
 Data File : VW008684.D
 Acq On : 15 Feb 2019 15:04
 Operator : SY/VA
 Sample : K1346-11
 Misc : 8.27G/5ML/MSVOA W/SOIL
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :

Quant Time: Feb 16 00:34:19 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W021319S.M
 Quant Title : SW846 8260
 QLast Update : Thu Feb 14 04:06:50 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	389496	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	594250	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	504390	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	214224	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.30	65	211811	52.31	ug/l	0.00
Spiked Amount	50.000		Recovery	=	104.62%	
35) Dibromofluoromethane	7.88	113	185860	50.37	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.74%	
50) Toluene-d8	10.32	98	703067	49.43	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.86%	
62) 4-Bromofluorobenzene	12.62	95	228649	42.68	ug/l	0.00
Spiked Amount	50.000		Recovery	=	85.36%	

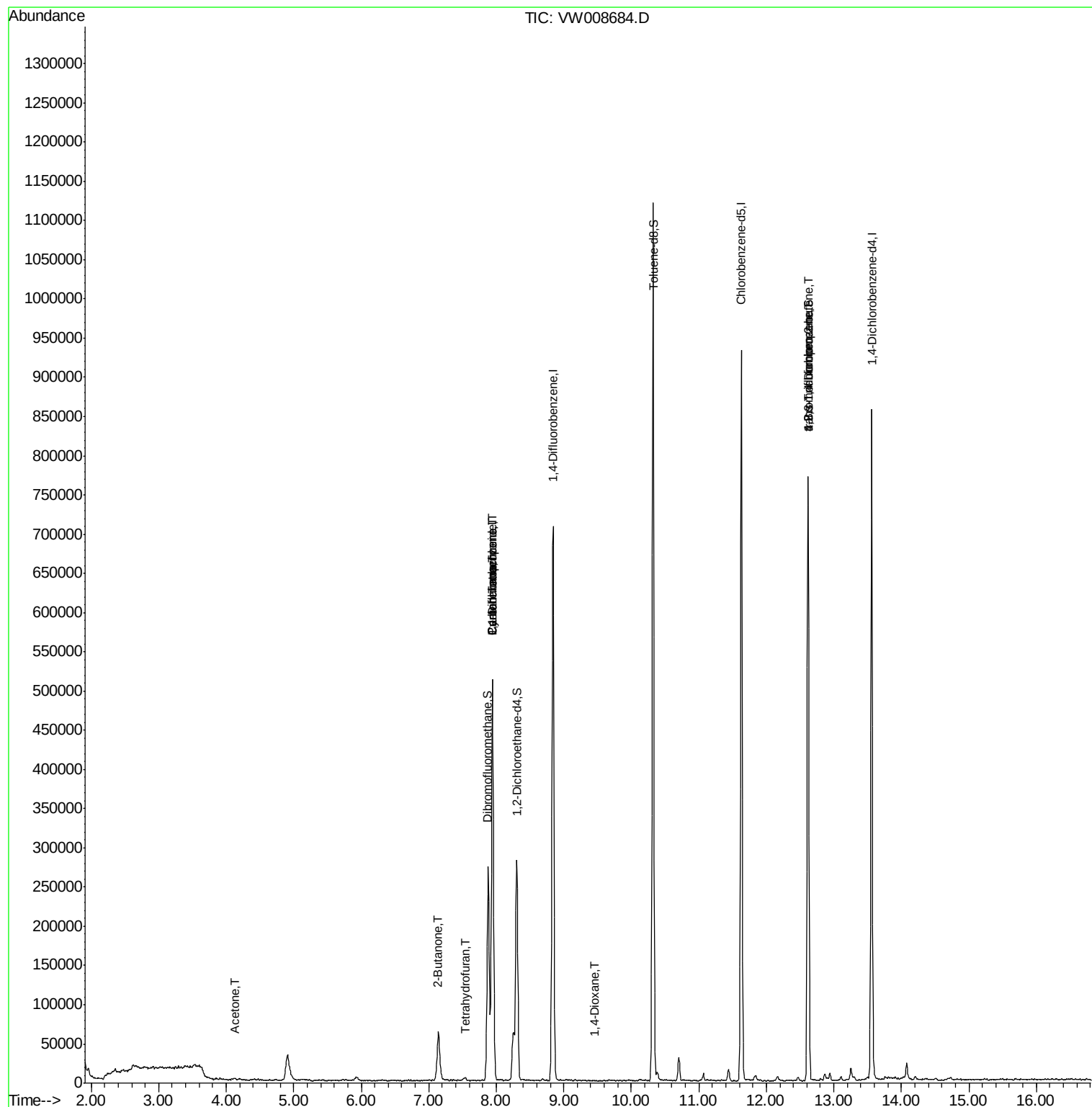
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
16) Acetone	4.12	43	3981	4.320	ug/l	90
25) 2-Butanone	7.15	43	3900	2.997	ug/l	97
29) Tetrahydrofuran	7.54	42	2739	3.194	ug/l #	60
31) Cyclohexane	7.95	56	9017	1.218	ug/l #	18
36) 1,1-Dichloropropene	7.95	75	29589	4.956	ug/l #	49
38) Carbon Tetrachloride	7.95	117	37395	6.299	ug/l #	17
49) 1,4-Dioxane	9.45	88	51	1.437	ug/l #	1
76) 1,2,3-Trichloropropane	12.62	75	116558	55.101	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.62	75	116558	117.884	ug/l #	6

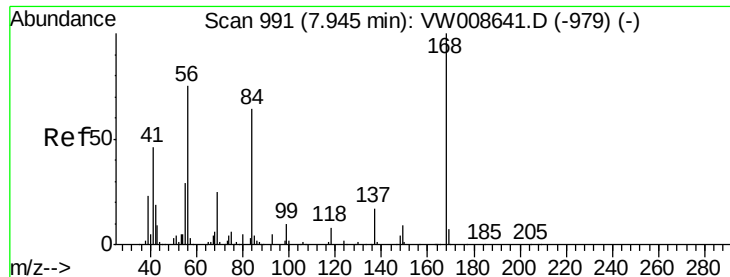
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
QLast Update : Thu Feb 14 04:06:50 2019
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.95 min Scan# 991

Delta R.T. -0.00 min

Lab File: VW008684.D

Acq: 15 Feb 2019 15:04

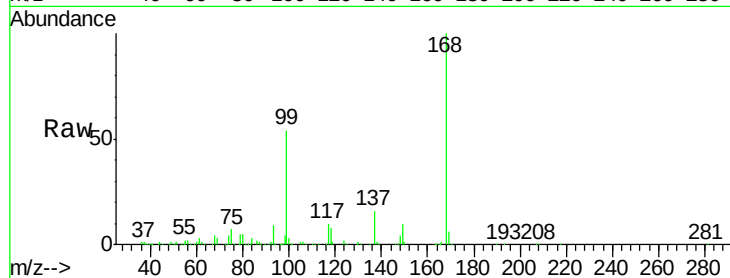
Instrument :
MSVOA_W
ClientSampleId :

Tot Ion:168 Resp: 389496

Ion Ratio Lower Upper

168 100

99 54.3 42.8 64.2



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW

7.95

200000

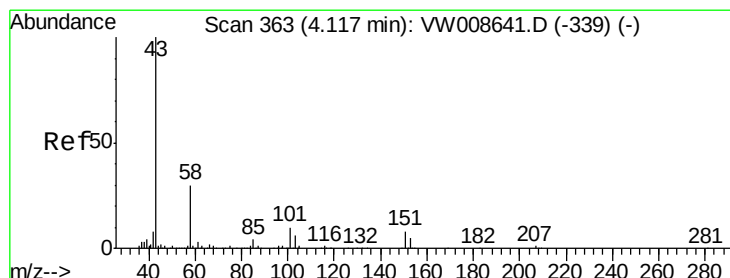
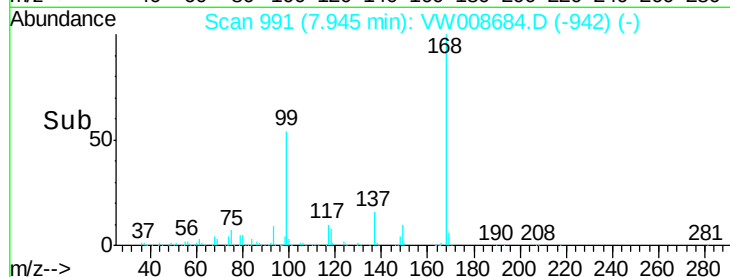
150000

100000

50000

0

Time--> 7.80 7.90 8.00 8.10



#16

Acetone

Concen: 4.320 ug/l

RT: 4.12 min Scan# 364

Delta R.T. 0.01 min

Lab File: VW008684.D

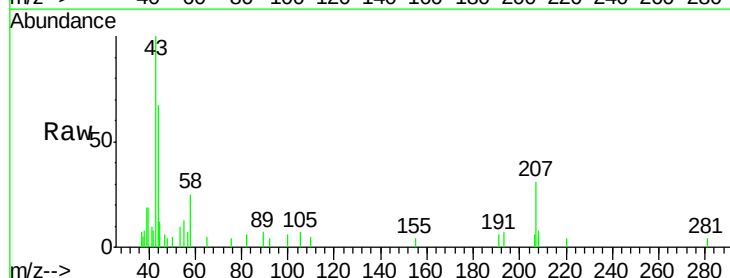
Acq: 15 Feb 2019 15:04

Tgt Ion: 43 Resp: 3981

Ion Ratio Lower Upper

43 100

58 24.8 24.1 36.1



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW

4.12

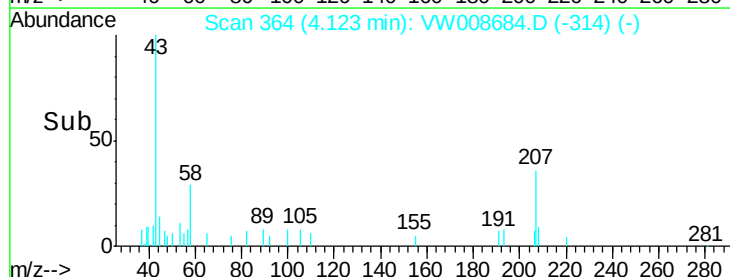
1500

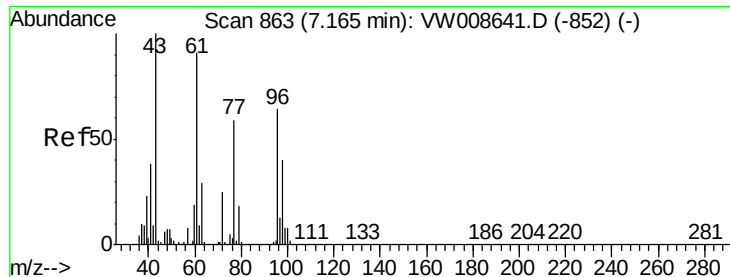
1000

500

0

Time--> 4.00 4.05 4.10 4.15 4.20





#25

2-Butanone

Concen: 2.997 ug/l

RT: 7.15 min Scan# 860

Delta R.T. -0.02 min

Lab File: VW008684.D

Acq: 15 Feb 2019 15:04

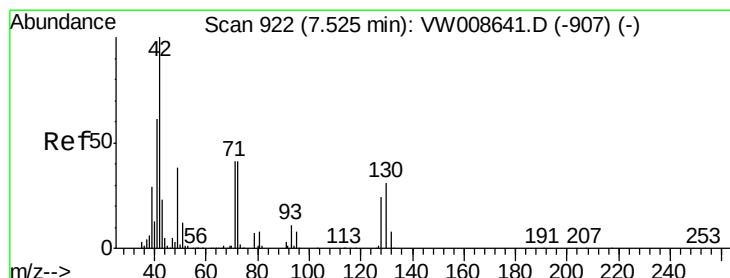
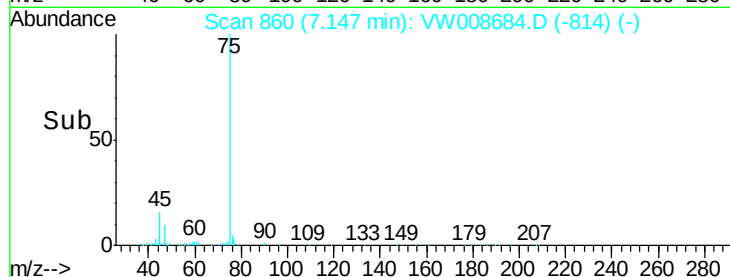
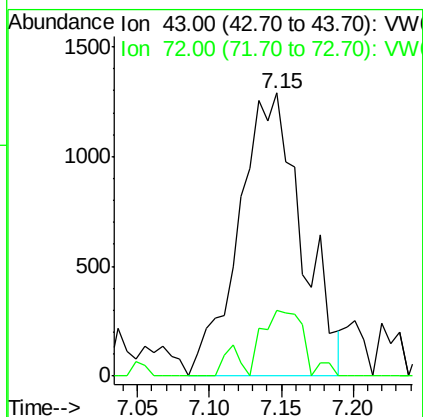
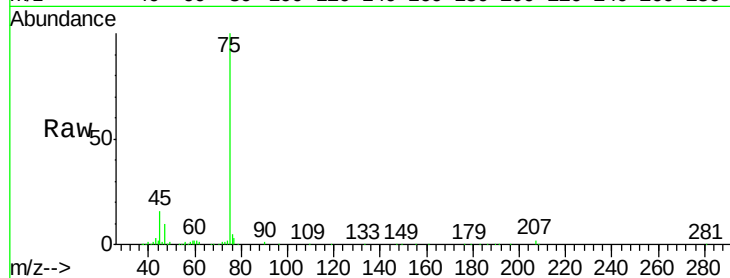
Instrument :
MSVOA_W
ClientSampled :

Tot Ion: 43 Resp: 3900

Ion Ratio Lower Upper

43 100

72 23.3 19.7 29.5



#29

Tetrahydrofuran

Concen: 3.194 ug/l

RT: 7.54 min Scan# 925

Delta R.T. 0.02 min

Lab File: VW008684.D

Acq: 15 Feb 2019 15:04

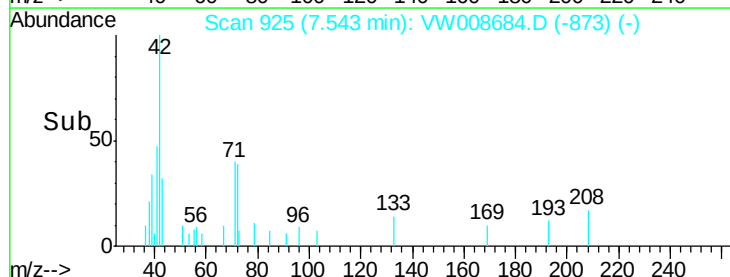
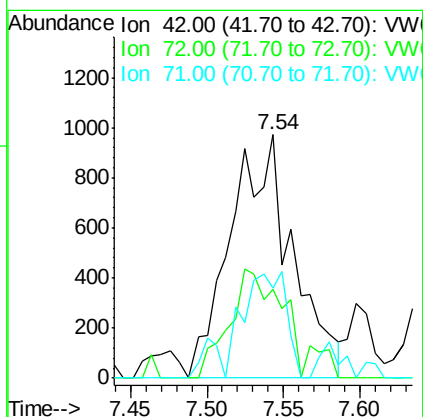
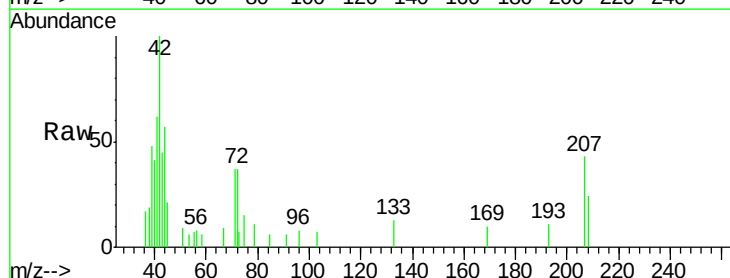
Tgt Ion: 42 Resp: 2739

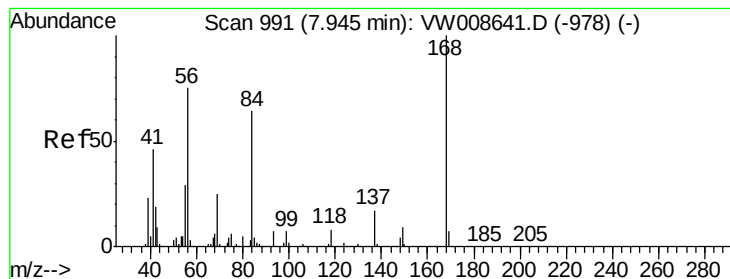
Ion Ratio Lower Upper

42 100

72 0.0 32.2 48.2#

71 30.3 31.0 46.6#





#31

Cyclohexane

Concen: 1.218 ug/l

RT: 7.95 min Scan# 991

Delta R.T. -0.00 min

Lab File: VW008684.D

Acq: 15 Feb 2019 15:04

Instrument :
MSVOA_W
ClientSampled :

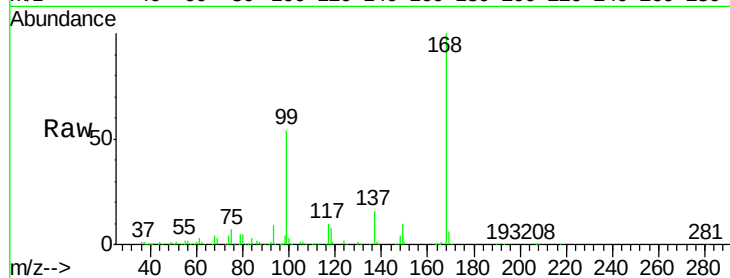
Tot Ion: 56 Resp: 9017

Ion Ratio Lower Upper

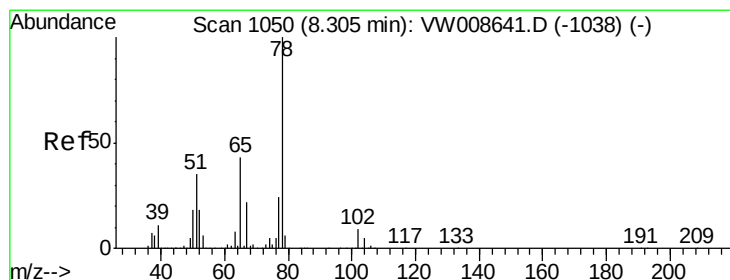
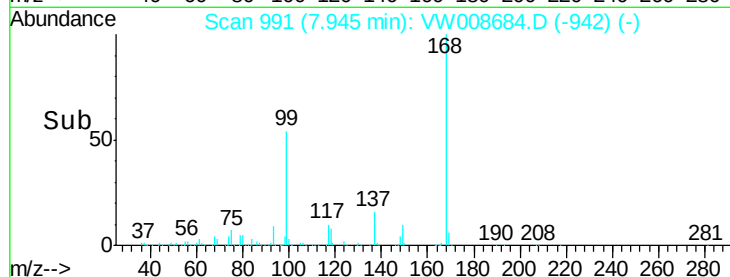
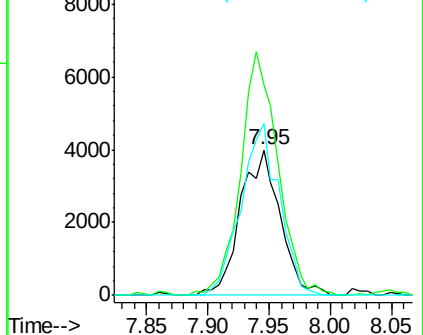
56 100

69 144.6 26.4 39.6#

84 118.1 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: 52.308 ug/l

RT: 8.30 min Scan# 1049

Delta R.T. -0.01 min

Lab File: VW008684.D

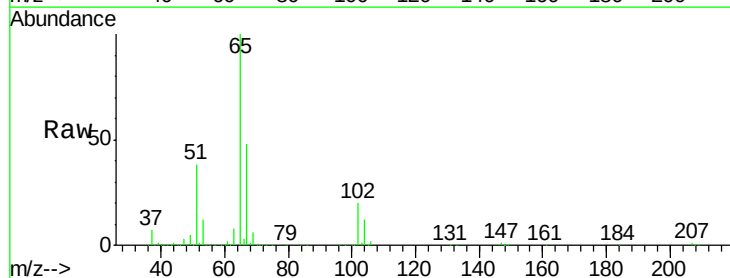
Acq: 15 Feb 2019 15:04

Tgt Ion: 65 Resp: 211811

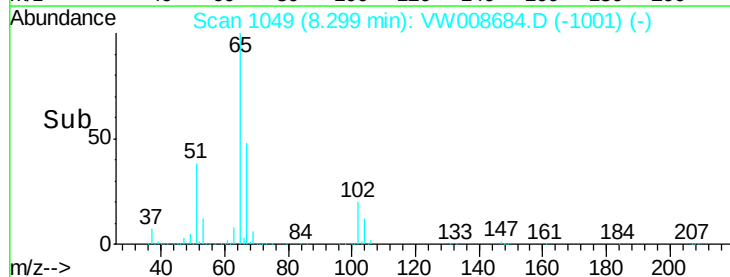
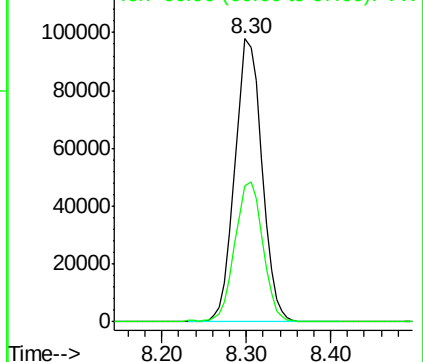
Ion Ratio Lower Upper

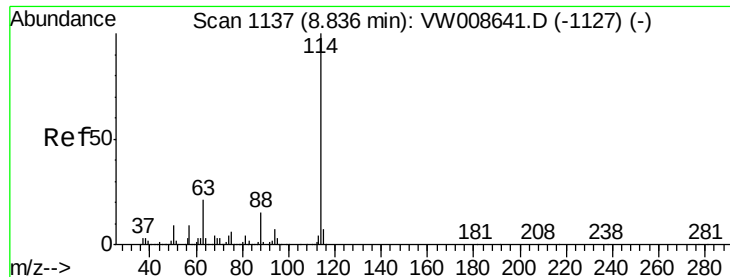
65 100

67 50.6 0.0 102.0



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. 0.01 min

Lab File: VW008684.D

Acq: 15 Feb 2019 15:04

Instrument :

MSVOA_W

ClientSampleId :

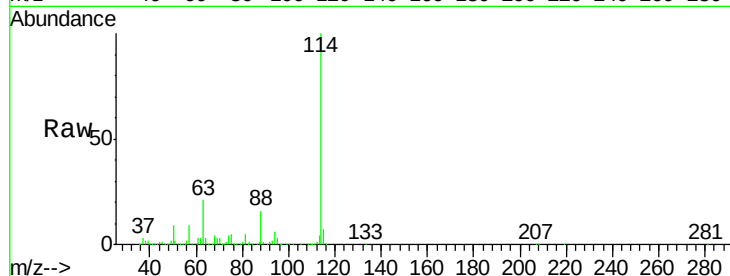
Tot Ion:114 Resp: 594250

Ion Ratio Lower Upper

114 100

63 20.8 0.0 41.2

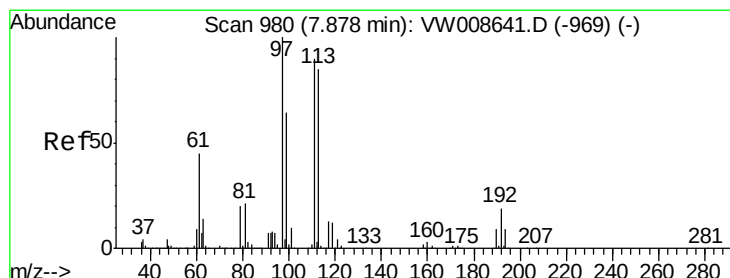
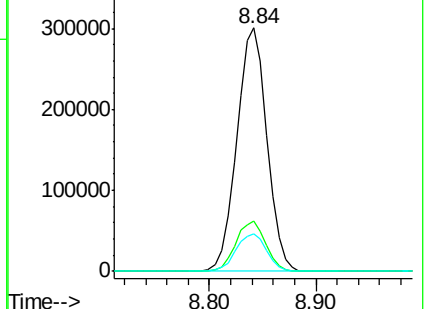
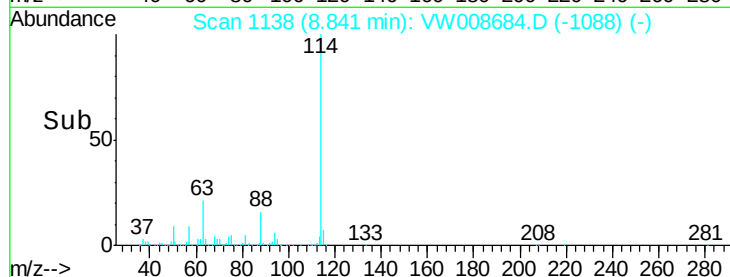
88 15.6 0.0 29.6



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: 50.370 ug/l

RT: 7.88 min Scan# 980

Delta R.T. -0.00 min

Lab File: VW008684.D

Acq: 15 Feb 2019 15:04

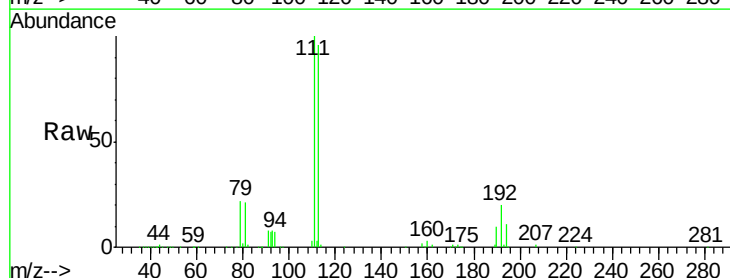
Tgt Ion:113 Resp: 185860

Ion Ratio Lower Upper

113 100

111 103.0 84.0 126.0

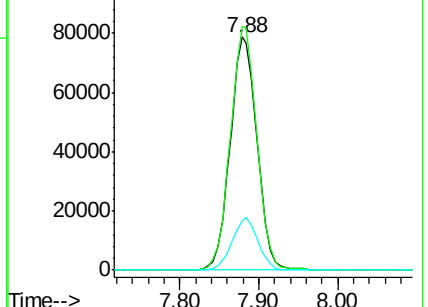
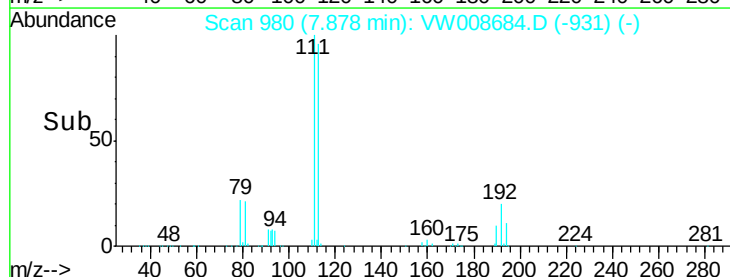
192 21.8 17.4 26.2

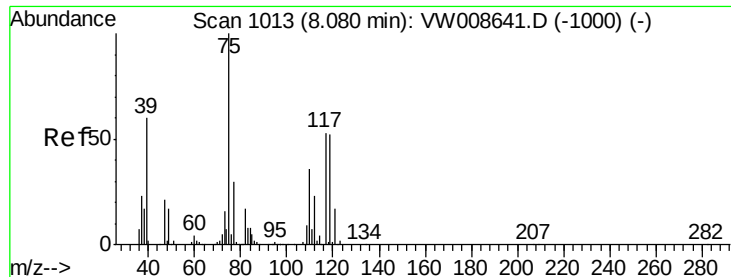


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V

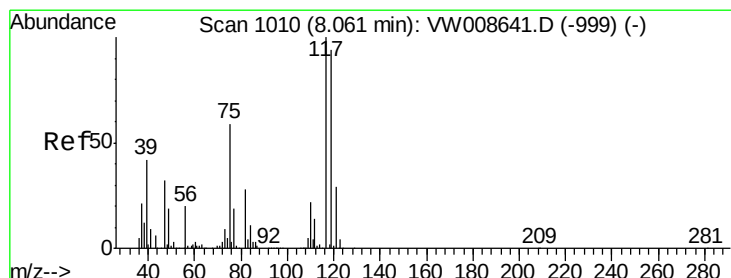
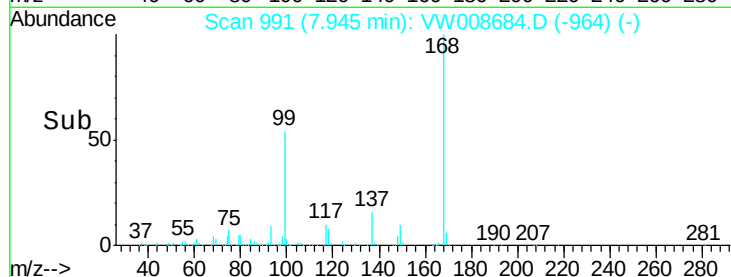
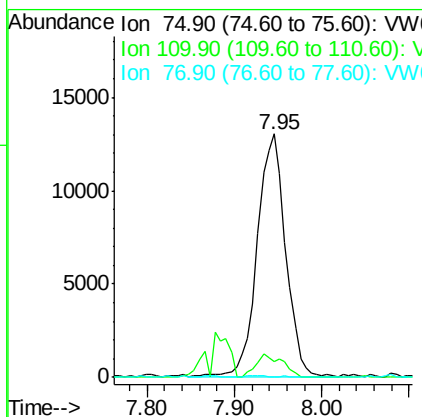
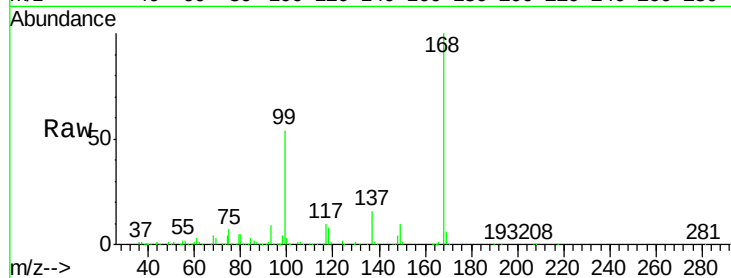




#36
 1,1-Dichloropropene
 Concen: 4.956 ug/l
 RT: 7.95 min Scan# 991
 Delta R.T. -0.13 min
 Lab File: VW008684.D
 Acq: 15 Feb 2019 15:04

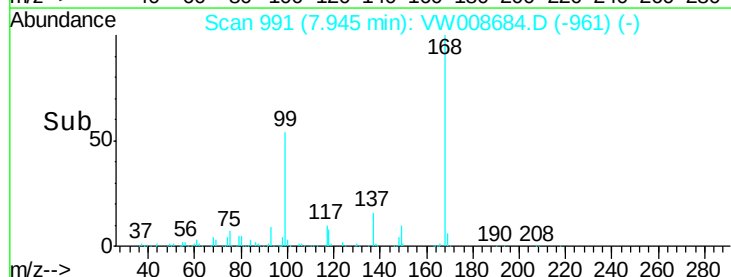
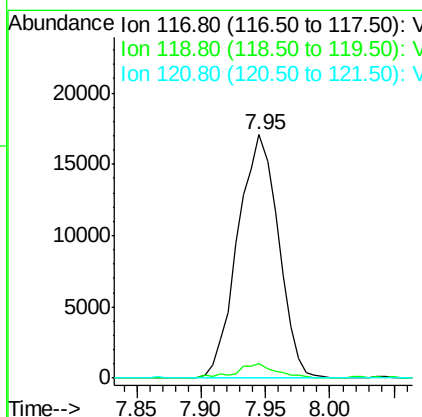
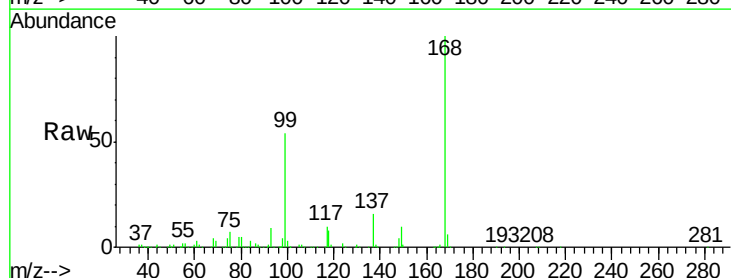
Instrument :
 MSVOA_W
 ClientSampleId :

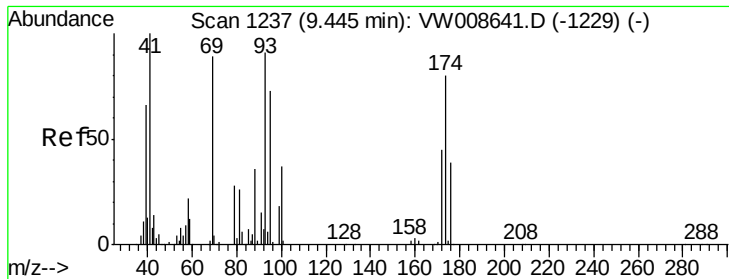
Tot Ion	Ratio	Lower	Upper
75	100		
110	8.9	17.8	53.3#
77	0.0	24.7	37.1#



#38
 Carbon Tetrachloride
 Concen: 6.299 ug/l
 RT: 7.95 min Scan# 991
 Delta R.T. -0.12 min
 Lab File: VW008684.D
 Acq: 15 Feb 2019 15:04

Tgt Ion	Ratio	Lower	Upper
117	100		
119	5.8	75.1	112.7#
121	0.0	23.5	35.3#

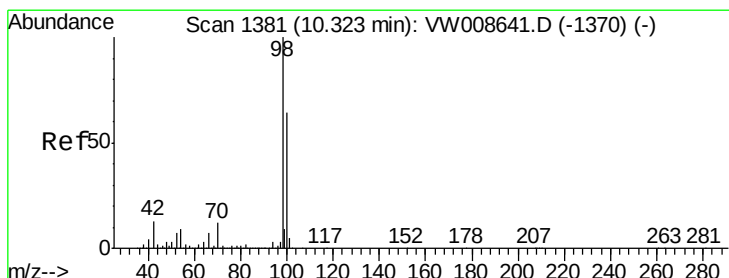
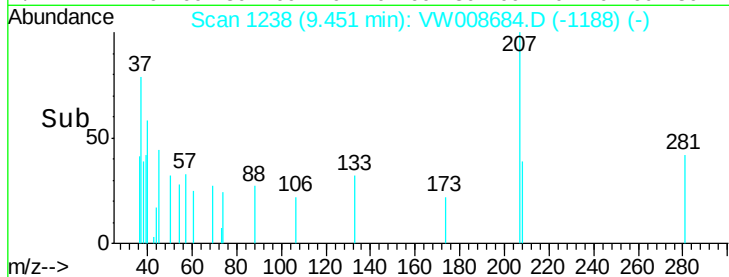
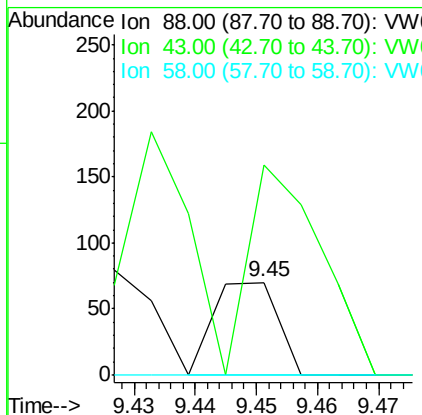
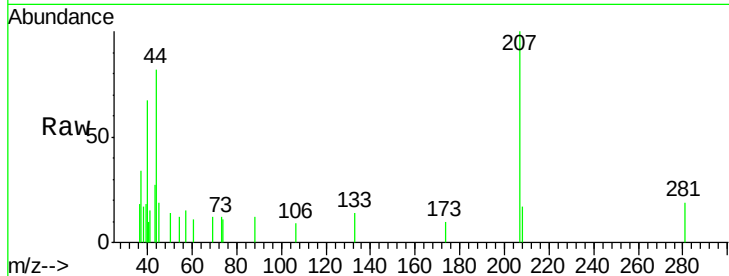




#49
 1,4-Dioxane
 Concen: 1.437 ug/l
 RT: 9.45 min Scan# 1238
 Delta R.T. 0.01 min
 Lab File: VW008684.D
 Acq: 15 Feb 2019 15:04

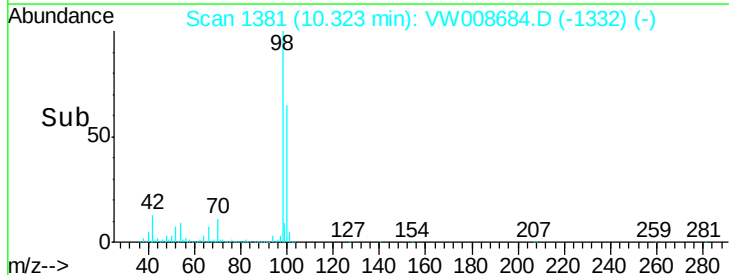
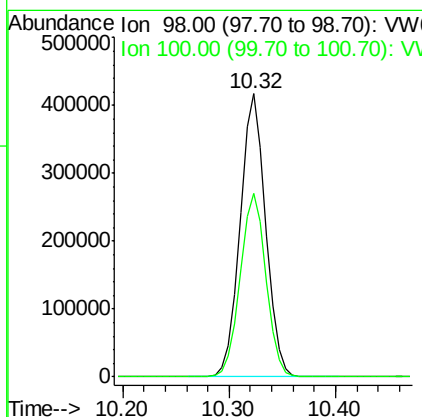
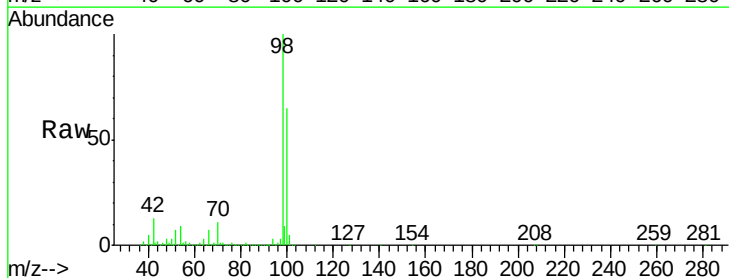
Instrument :
 MSVOA_W
 ClientSampled :

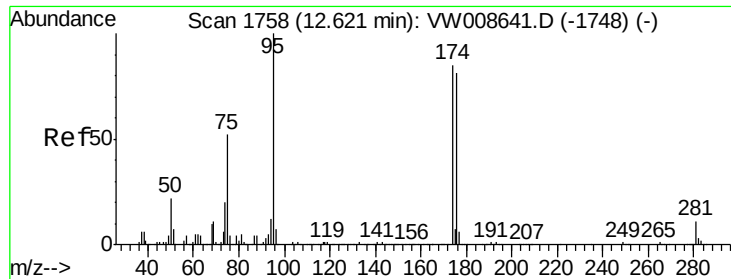
Tot Ion: 88 Resp: 51
 Ion Ratio Lower Upper
 88 100
 43 256.9 31.0 46.6#
 58 0.0 57.0 85.6#



#50
 Toluene-d8
 Concen: 49.427 ug/l
 RT: 10.32 min Scan# 1381
 Delta R.T. -0.00 min
 Lab File: VW008684.D
 Acq: 15 Feb 2019 15:04

Tgt Ion: 98 Resp: 703067
 Ion Ratio Lower Upper
 98 100
 100 65.5 52.2 78.4





#62

4-Bromofluorobenzene

Concen: 42.676 ug/l

RT: 12.62 min Scan# 1758

Delta R.T. -0.00 min

Lab File: VW008684.D

Acq: 15 Feb 2019 15:04

Instrument :

MSVOA_W

ClientSampled :

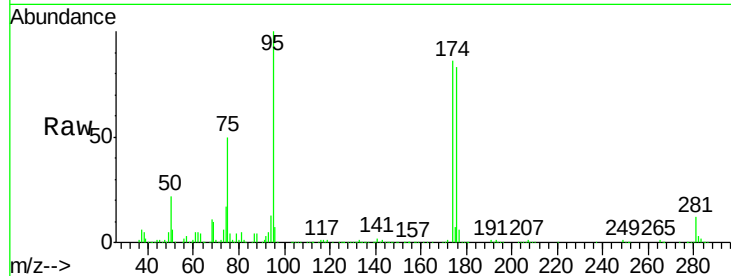
Tot Ion: 95 Resp: 228649

Ion Ratio Lower Upper

95 100

174 85.9 0.0 163.2

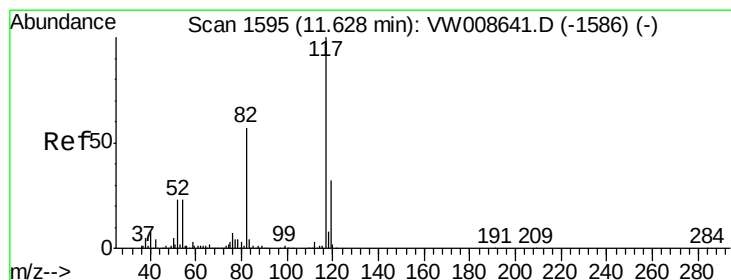
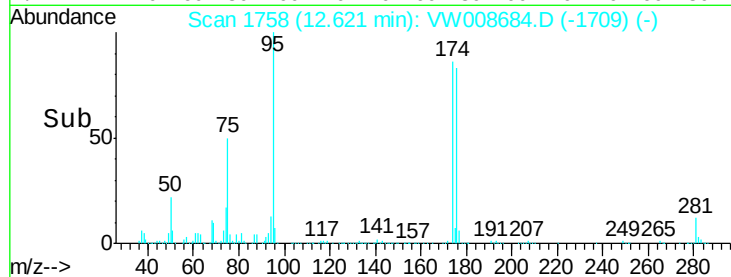
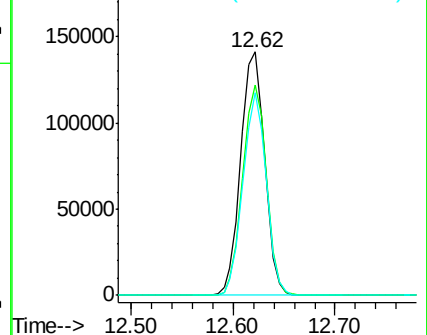
176 81.1 0.0 158.0



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# 1595

Delta R.T. -0.00 min

Lab File: VW008684.D

Acq: 15 Feb 2019 15:04

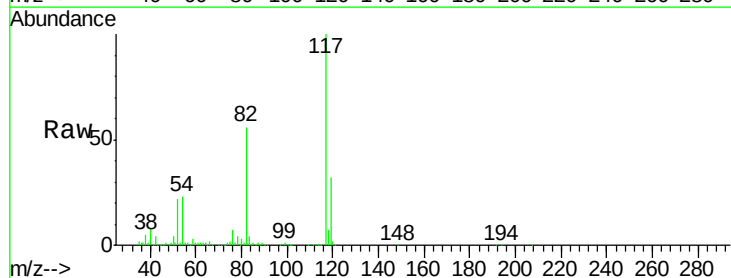
Tgt Ion: 117 Resp: 504390

Ion Ratio Lower Upper

117 100

82 55.8 45.6 68.4

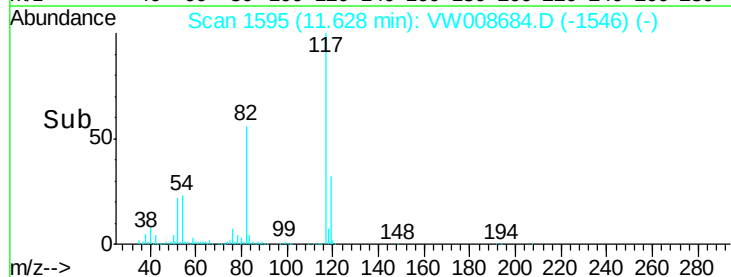
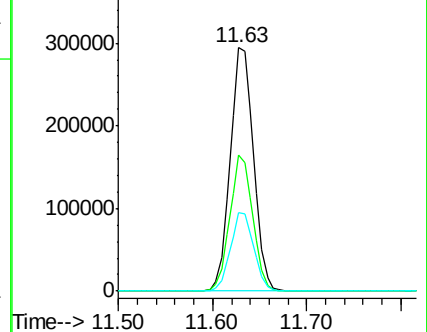
119 32.5 25.7 38.5

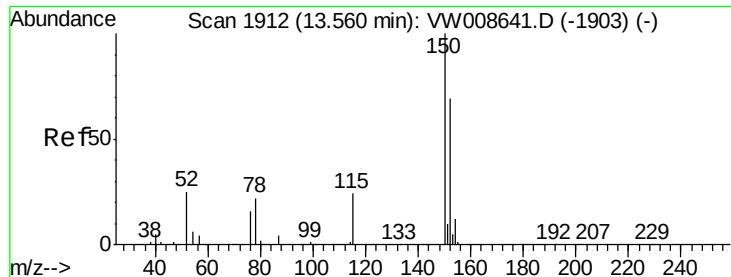


Abundance Ion 116.90 (116.60 to 117.60): VW

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: VW008684.D

Acq: 15 Feb 2019 15:04

Instrument :

MSVOA_W

ClientSampleId :

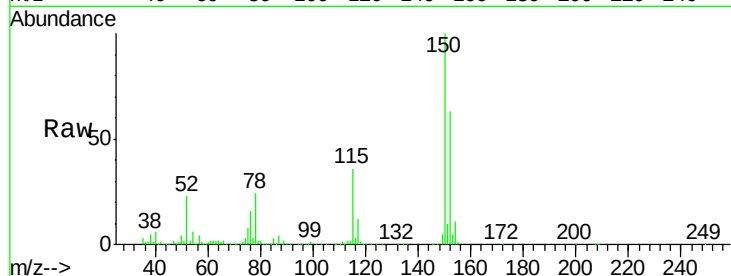
Tot Ion:152 Resp: 214224

Ion Ratio Lower Upper

152 100

115 58.8 29.3 87.8

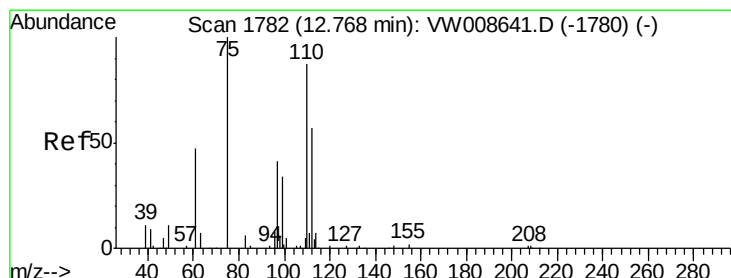
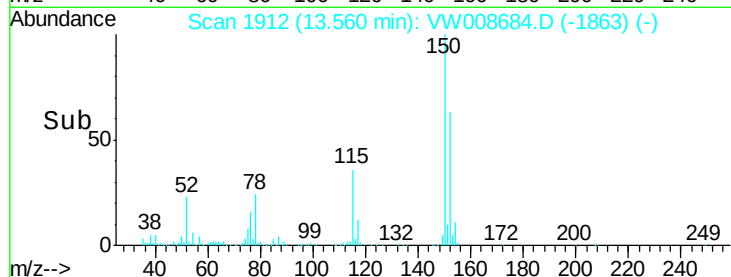
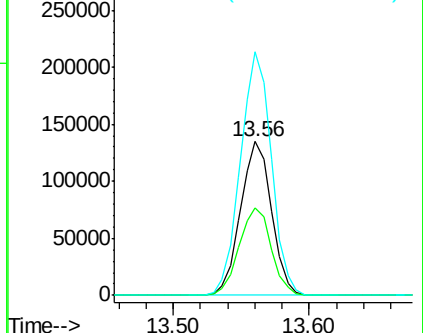
150 158.6 0.0 352.8



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: 55.101 ug/l

RT: 12.62 min Scan# 1758

Delta R.T. -0.15 min

Lab File: VW008684.D

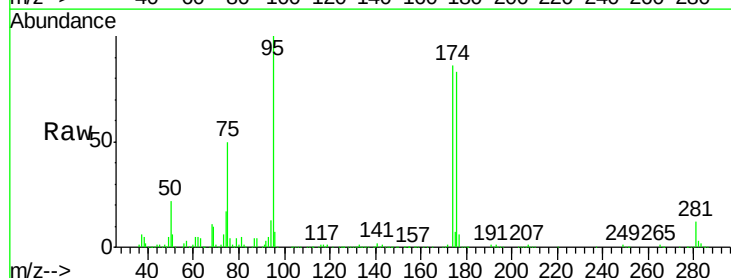
Acq: 15 Feb 2019 15:04

Tgt Ion: 75 Resp: 116558

Ion Ratio Lower Upper

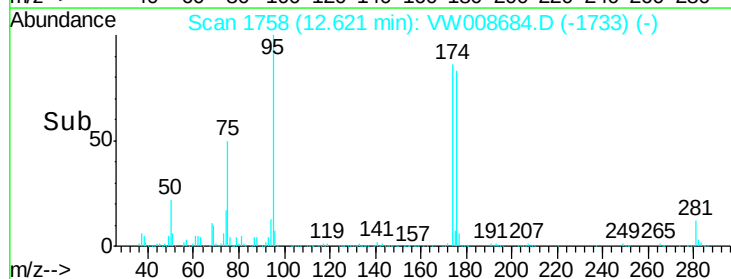
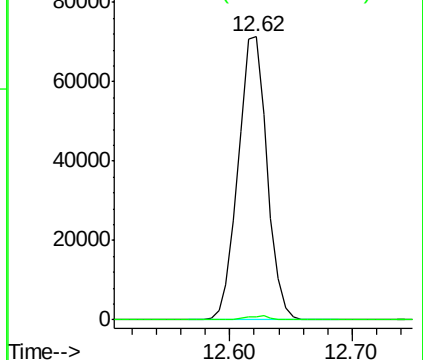
75 100

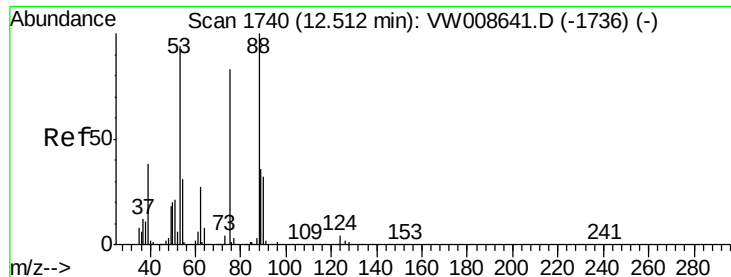
77 1.3 0.0 0.0#



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: 117.884 ug/l

RT: 12.62 min Scan# 1758

Delta R.T. 0.11 min

Lab File: VW008684.D

Acq: 15 Feb 2019 15:04

Instrument :

MSVOA_W

ClientSampleId :

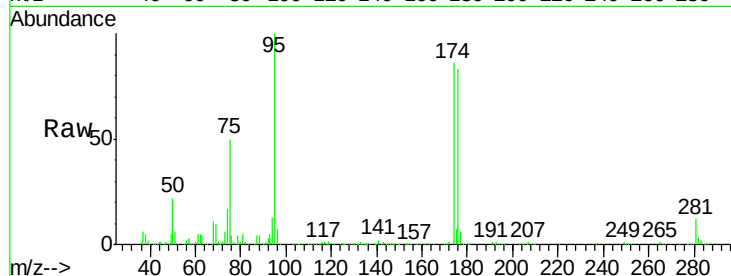
Tot Ion: 75 Resp: 116558

Ion Ratio Lower Upper

75 100

53 0.0 87.4 131.0#

89 0.1 37.0 55.4#



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

