

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW071318\
 Data File : VW003938.D
 Acq On : 14 Jul 2018 01:21
 Operator : VA/AP
 Sample : J3831-01
 Misc : 5.71G/5ML/MSVOA W/SOIL
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :

Quant Time: Jul 14 01:51:58 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	194727	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.85	114	339641	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	297364	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.57	152	131847	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.31	65	134671	52.88	ug/l	0.00
Spiked Amount	50.000		Recovery	=	105.76%	
35) Dibromofluoromethane	7.88	113	114750	48.27	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.54%	
50) Toluene-d8	10.33	98	383970	42.23	ug/l	0.00
Spiked Amount	50.000		Recovery	=	84.46%	
62) 4-Bromofluorobenzene	12.62	95	135584	41.21	ug/l	0.00
Spiked Amount	50.000		Recovery	=	82.42%	

Target Compounds

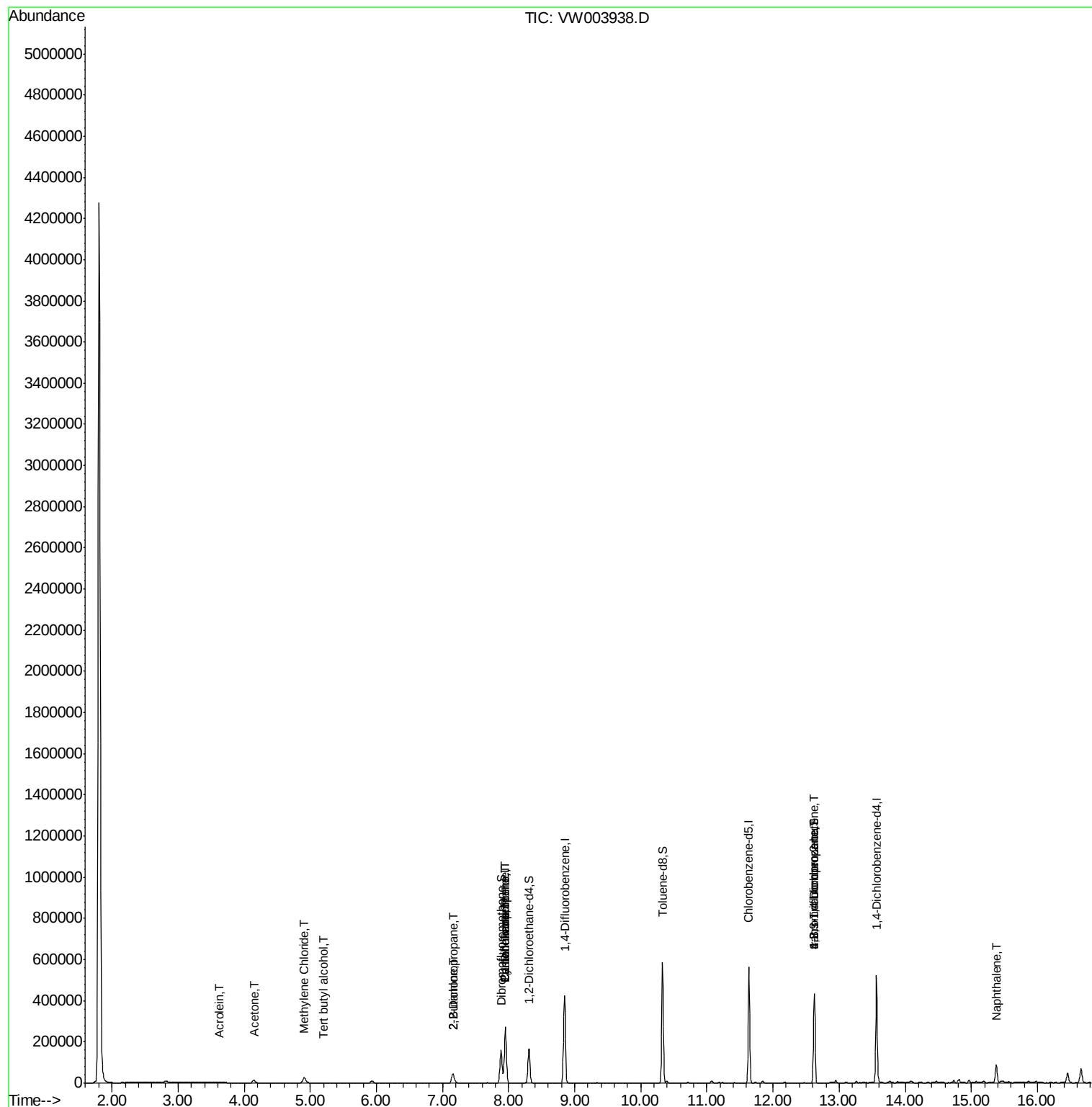
					Qvalue	
11) Tert butyl alcohol	5.21	59	312	2.261	ug/l #	70
13) Acrolein	3.62	56	66	5.024	ug/l #	1
16) Acetone	4.14	43	27271	61.726	ug/l	94
20) Methylene Chloride	4.90	84	19577	5.160	ug/l	93
25) 2-Butanone	7.17	43	4487	6.484	ug/l #	74
26) 2,2-Dichloropropane	7.17	77	3424	1.493	ug/l #	53
31) Cyclohexane	7.95	56	5449	1.466	ug/l #	10
36) 1,1-Dichloropropene	7.95	75	16503	4.579	ug/l #	49
38) Carbon Tetrachloride	7.95	117	19844	5.791	ug/l #	16
76) 1,2,3-Trichloropropane	12.62	75	71839	55.486	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.62	75	71839	135.733	ug/l #	7
95) Naphthalene	15.38	128	73142	14.957	ug/l	99

(#) = 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: VW003938.D

Acq: 14 Jul 2018 01:21

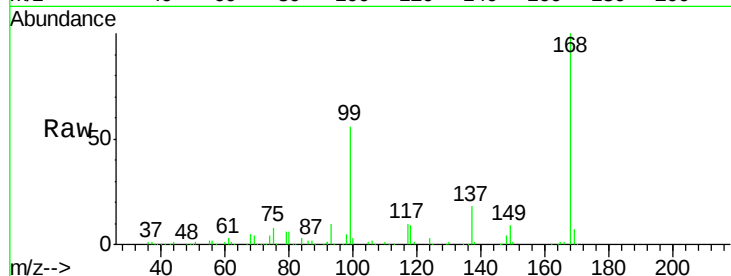
Instrument :
MSVOA_W
ClientSampleId :

Tot Ion:168 Resp: 194727

Ion Ratio Lower Upper

168 100

99 56.4 45.0 67.6



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW

7.95

100000

80000

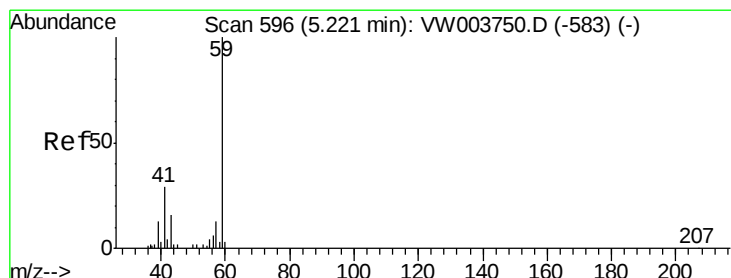
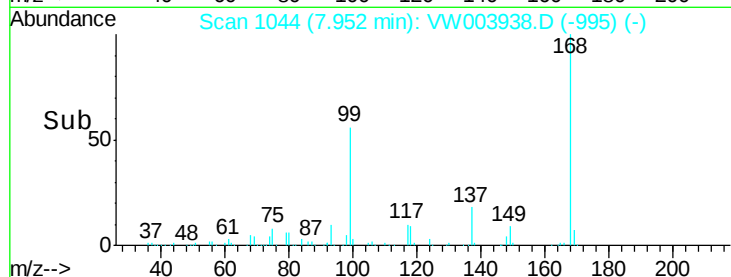
60000

40000

20000

0

Time--> 7.80 7.90 8.00 8.10



#11

Tert butyl alcohol

Concen: 2.261 ug/l

RT: 5.21 min Scan# 594

Delta R.T. -0.01 min

Lab File: VW003938.D

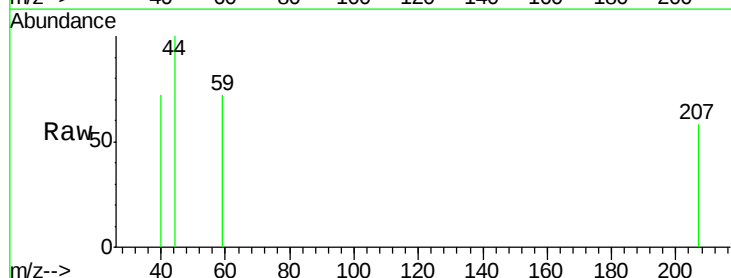
Acq: 14 Jul 2018 01:21

Tgt Ion: 59 Resp: 312

Ion Ratio Lower Upper

59 100

57 0.0 9.3 13.9#



Abundance Ion 59.00 (58.70 to 59.70): VW

Ion 57.00 (56.70 to 57.70): VW

5.21

200

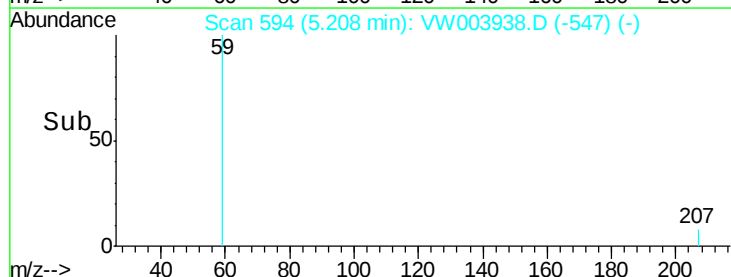
150

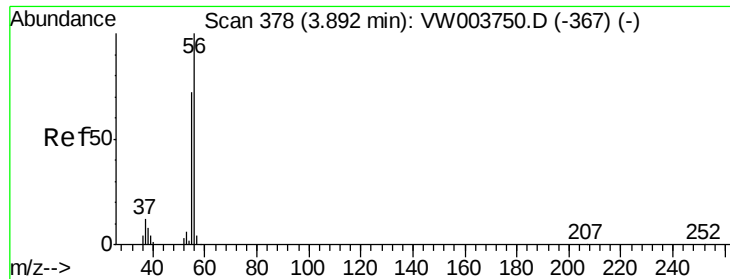
100

50

0

Time--> 5.15 5.20 5.25





#13

Acrolein

Concen: 5.024 ug/l

RT: 3.62 min Scan# 333

Delta R.T. -0.27 min

Lab File: VW003938.D

Acq: 14 Jul 2018 01:21

Instrument :

MSVOA_W

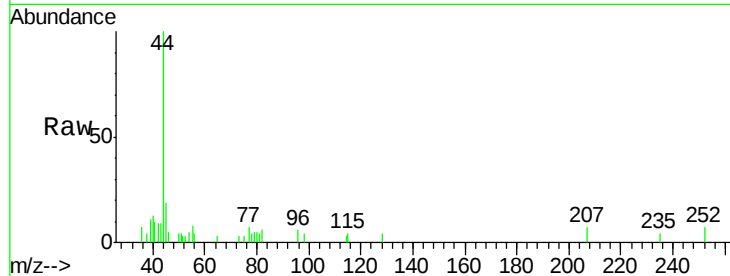
ClientSampled :

Tot Ion: 56 Resp: 66

Ion Ratio Lower Upper

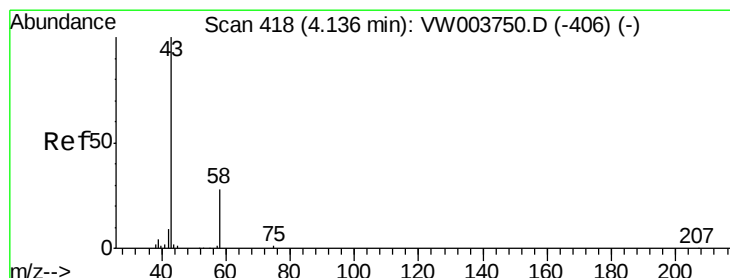
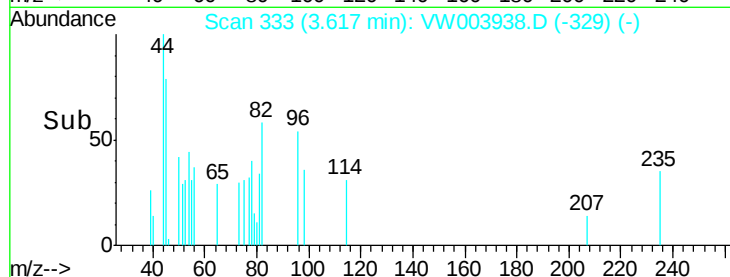
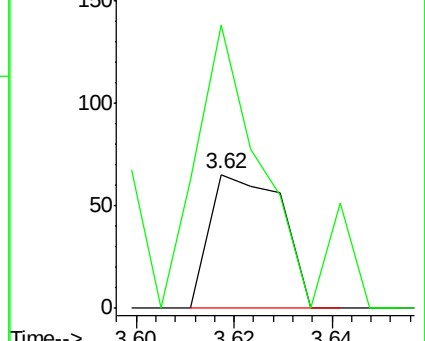
56 100

55 212.1 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: 61.726 ug/l

RT: 4.14 min Scan# 419

Delta R.T. 0.01 min

Lab File: VW003938.D

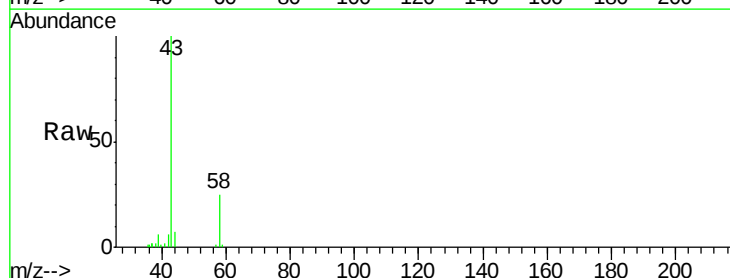
Acq: 14 Jul 2018 01:21

Tgt Ion: 43 Resp: 27271

Ion Ratio Lower Upper

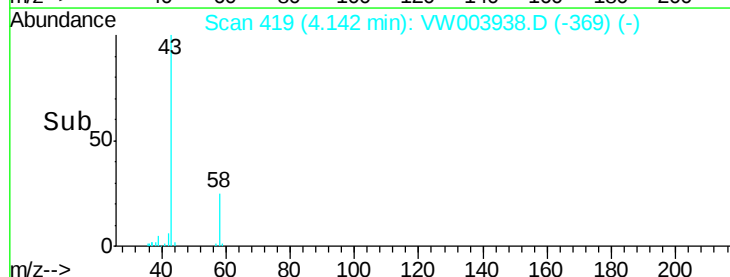
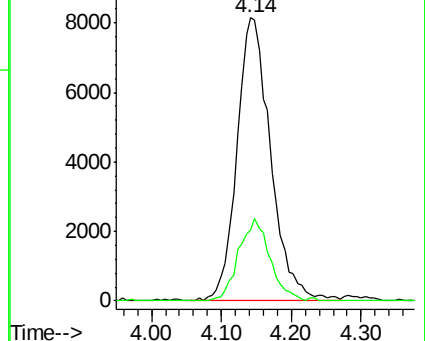
43 100

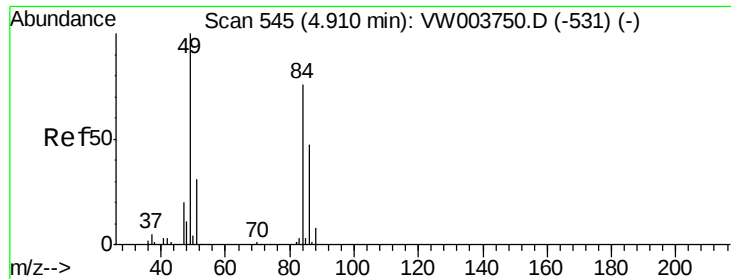
58 25.0 22.6 34.0



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW

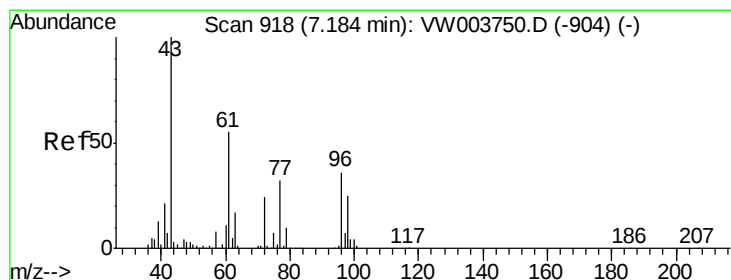
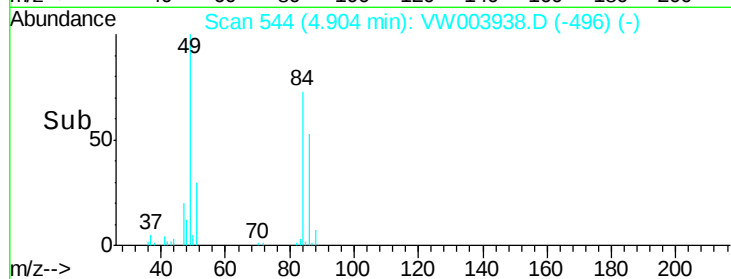
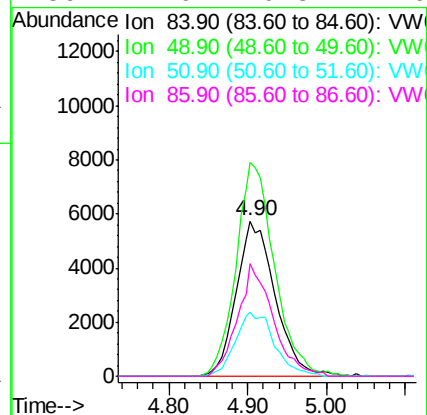
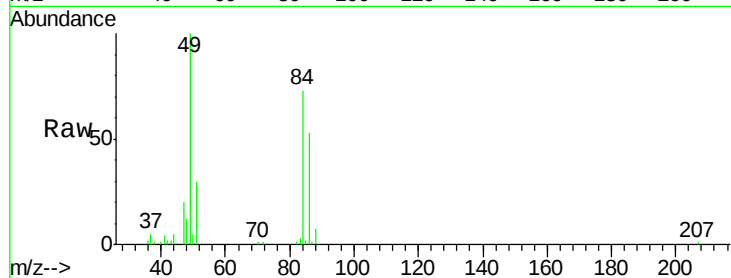




#20
Methvlene Chloride
Concen: 5.160 ug/l
RT: 4.90 min Scan# 544
Delta R.T. -0.01 min
Lab File: VW003938.D
Acq: 14 Jul 2018 01:21

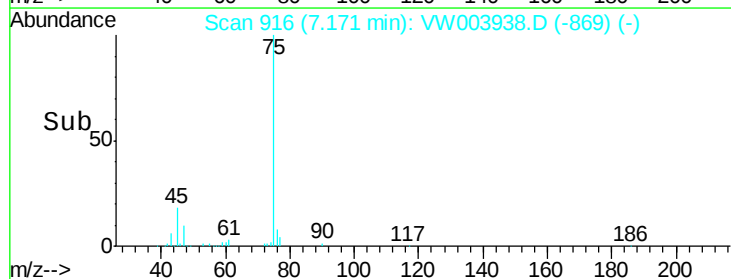
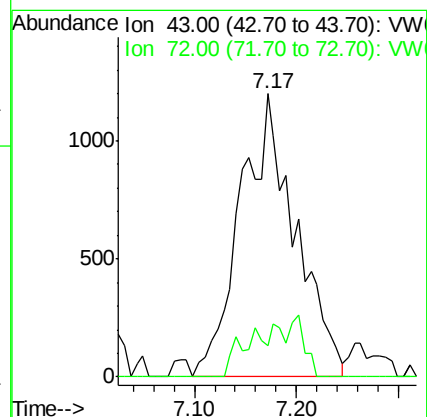
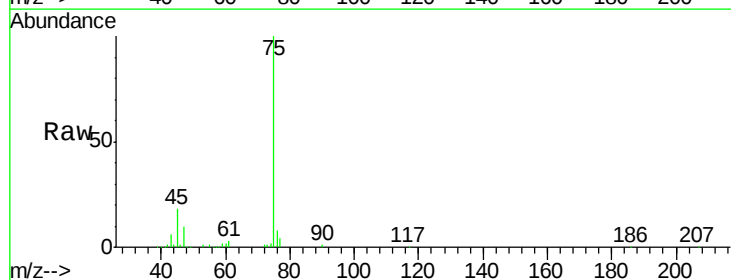
Instrument :
MSVOA_W
ClientSampled :

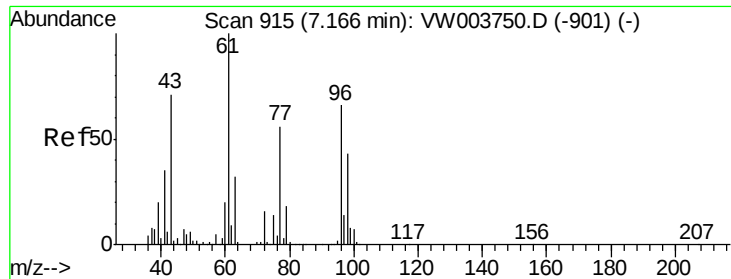
Tot Ion: 84 Resp: 19577
Ion Ratio Lower Upper
84 100
49 137.9 105.1 157.7
51 41.0 32.5 48.7
86 72.9 49.8 74.6



#25
2-Butanone
Concen: 6.484 ug/l
RT: 7.17 min Scan# 916
Delta R.T. -0.01 min
Lab File: VW003938.D
Acq: 14 Jul 2018 01:21

Tgt Ion: 43 Resp: 4487
Ion Ratio Lower Upper
43 100
72 11.2 19.4 29.2#





#26

2,2-Dichloropropane

Concen: 1.493 ug/l

RT: 7.17 min Scan# 915

Delta R.T. -0.00 min

Lab File: VW003938.D

Acq: 14 Jul 2018 01:21

Instrument :

MSVOA_W

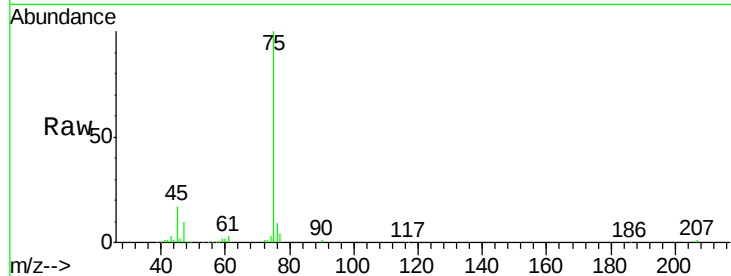
ClientSampleId :

Tot Ion: 77 Resp: 3424

Ion Ratio Lower Upper

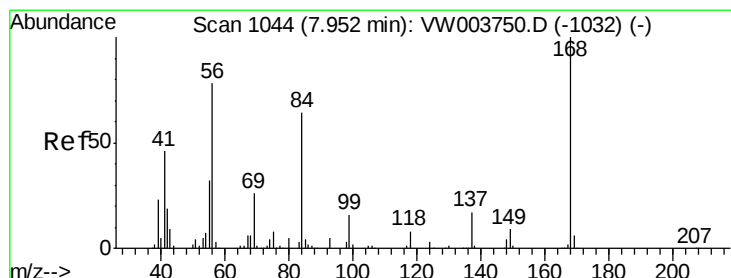
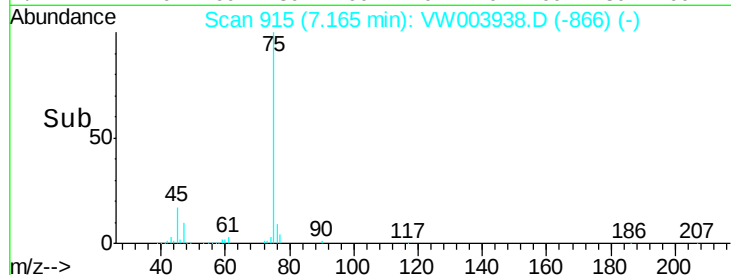
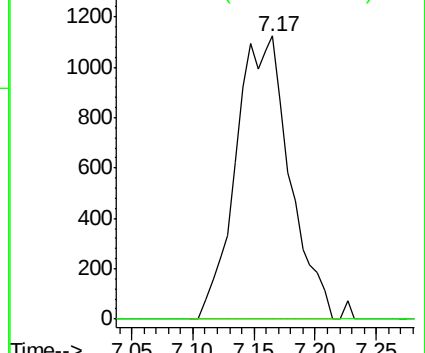
77 100

97 0.0 11.5 34.5#



Abundance Ion 76.90 (76.60 to 77.60): VW

Ion 96.90 (96.60 to 97.60): VW



#31

Cyclohexane

Concen: 1.466 ug/l

RT: 7.95 min Scan# 1043

Delta R.T. -0.01 min

Lab File: VW003938.D

Acq: 14 Jul 2018 01:21

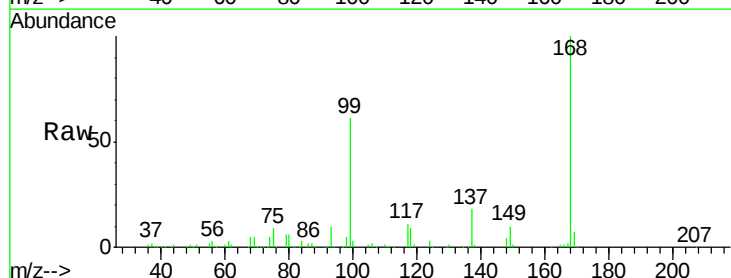
Tgt Ion: 56 Resp: 5449

Ion Ratio Lower Upper

56 100

69 165.0 26.2 39.4#

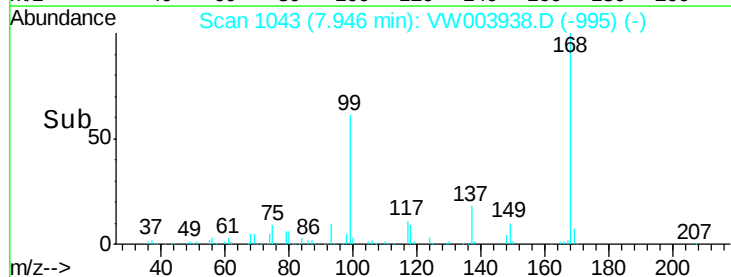
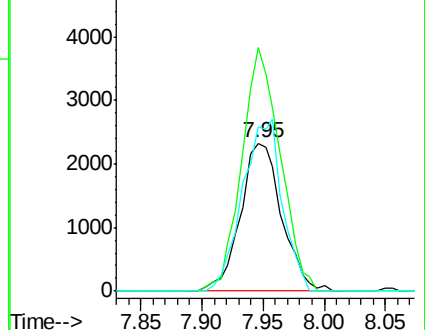
84 111.1 65.5 98.3#

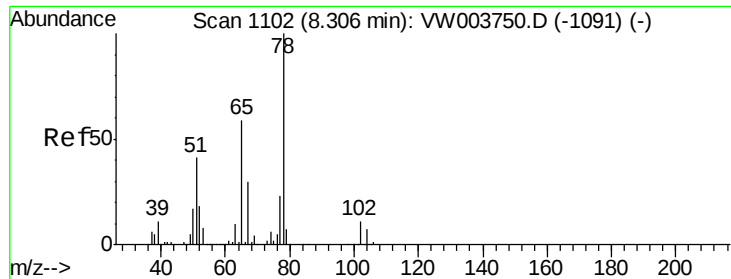


Abundance Ion 56.00 (55.70 to 56.70): VW

Ion 69.00 (68.70 to 69.70): VW

Ion 84.00 (83.70 to 84.70): VW

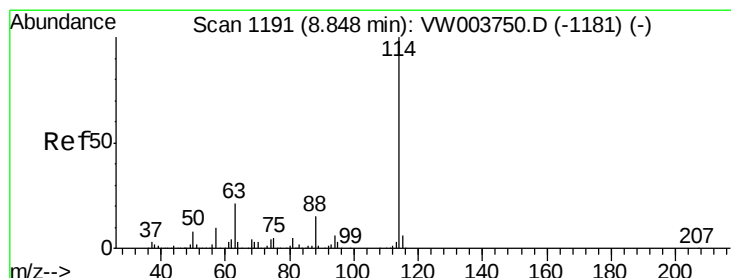
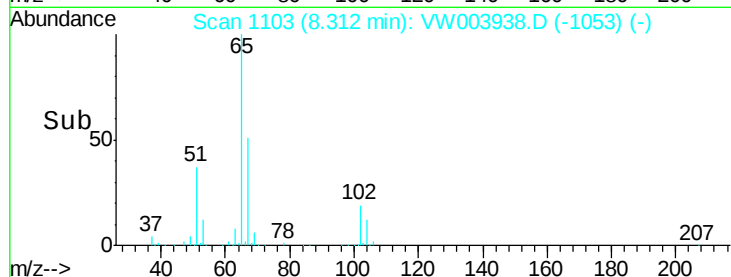
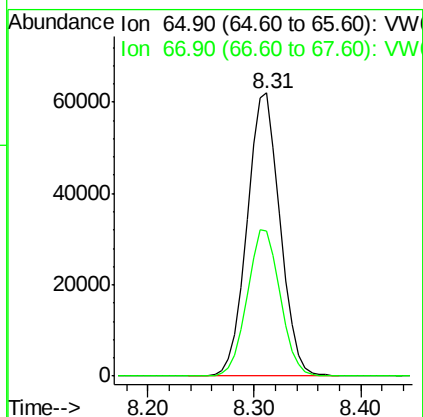
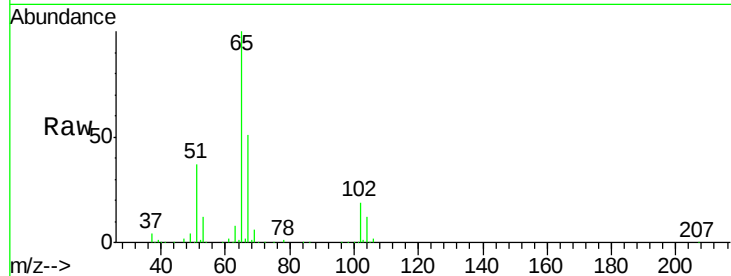




#33
 1,2-Dichloroethane-d4
 Concen: 52.885 ug/l
 RT: 8.31 min Scan# 1103
 Delta R.T. 0.01 min
 Lab File: VW003938.D
 Acq: 14 Jul 2018 01:21

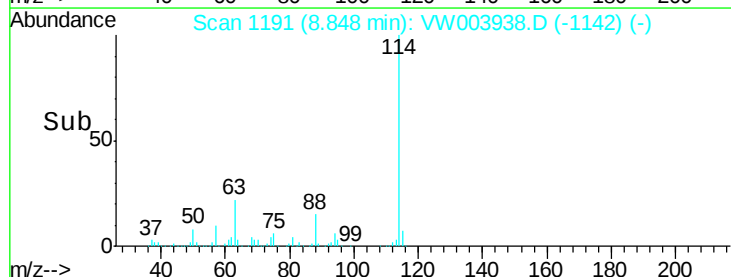
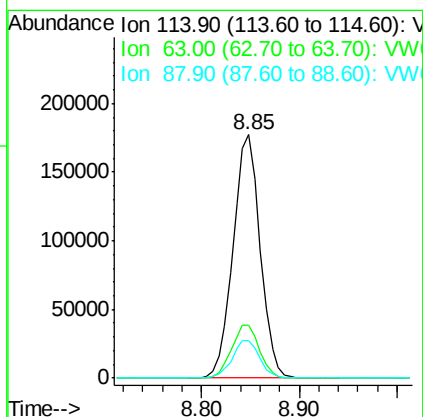
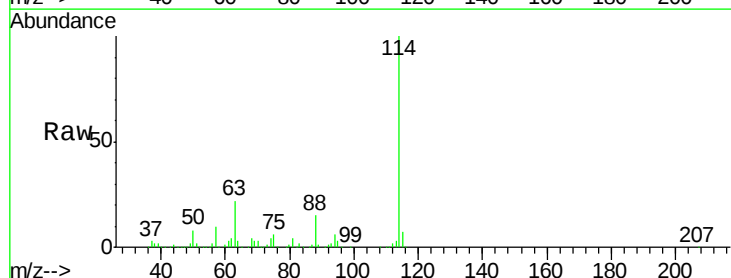
Instrument :
 MSVOA_W
 ClientSampleId :

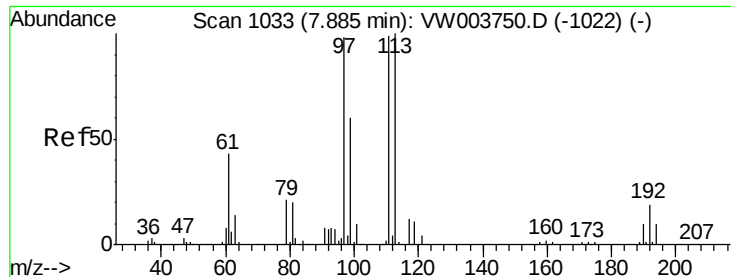
Tot Ion: 65 Resp: 134671
 Ion Ratio Lower Upper
 65 100
 67 52.0 0.0 103.8



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.85 min Scan# 1191
 Delta R.T. -0.00 min
 Lab File: VW003938.D
 Acq: 14 Jul 2018 01:21

Tgt Ion: 114 Resp: 339641
 Ion Ratio Lower Upper
 114 100
 63 21.7 0.0 41.8
 88 15.4 0.0 30.2

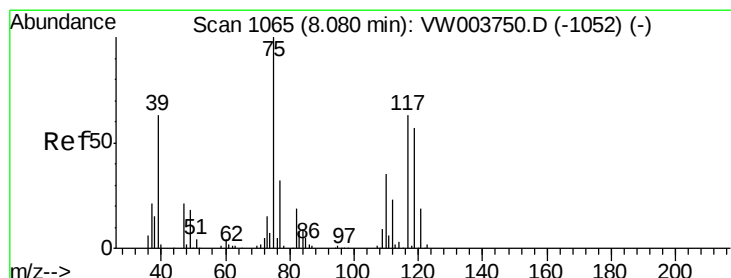
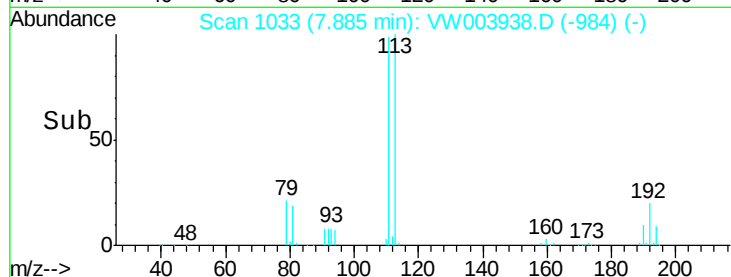
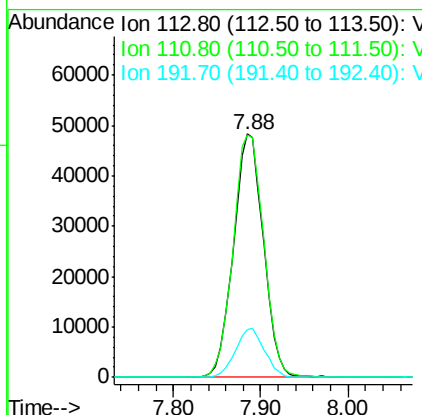
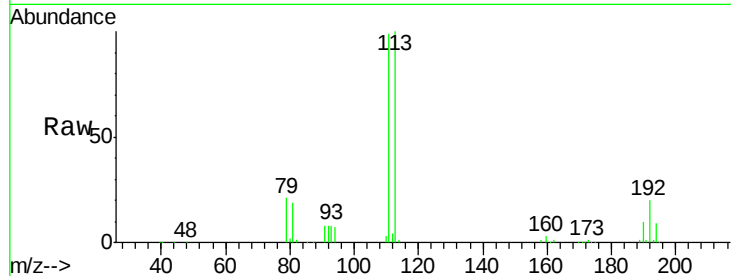




#35
 Dibromofluoromethane
 Concen: 48.273 ug/l
 RT: 7.88 min Scan# 1033
 Delta R.T. -0.00 min
 Lab File: VW003938.D
 Acq: 14 Jul 2018 01:21

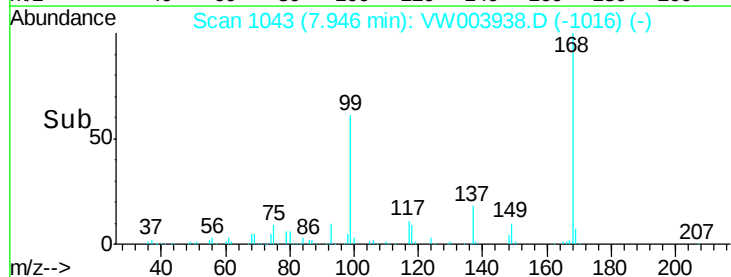
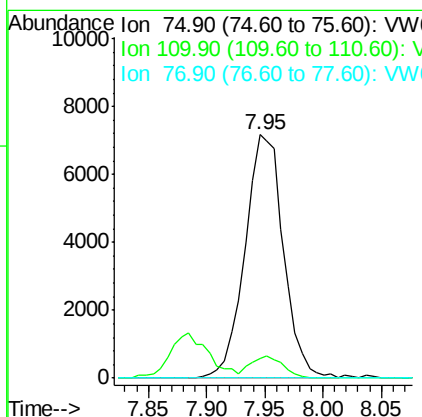
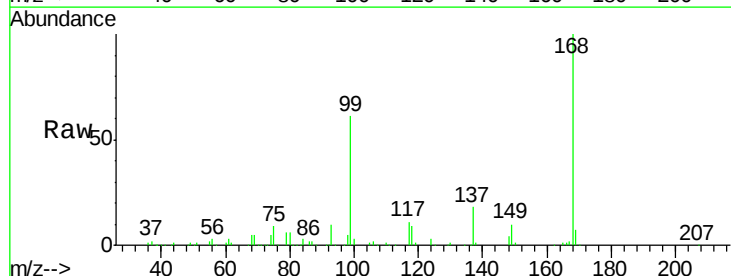
Instrument :
 MSVOA_W
 ClientSampleId :

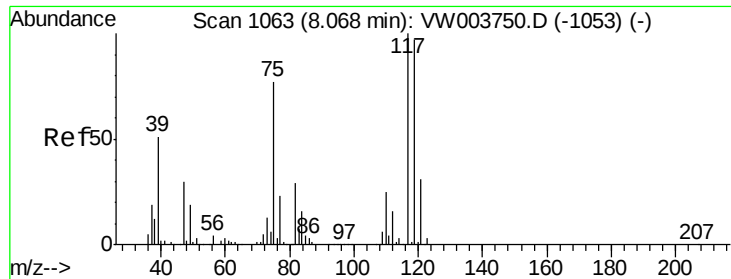
Tot Ion:113 Resp: 114750
 Ion Ratio Lower Upper
 113 100
 111 102.1 81.7 122.5
 192 19.6 15.8 23.8



#36
 1,1-Dichloropropene
 Concen: 4.579 ug/l
 RT: 7.95 min Scan# 1043
 Delta R.T. -0.13 min
 Lab File: VW003938.D
 Acq: 14 Jul 2018 01:21

Tgt Ion: 75 Resp: 16503
 Ion Ratio Lower Upper
 75 100
 110 7.7 16.9 50.6#
 77 0.0 24.8 37.2#

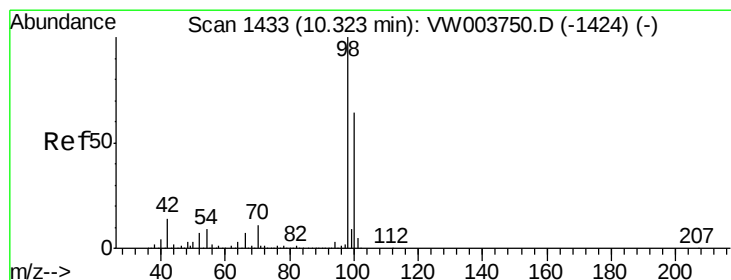
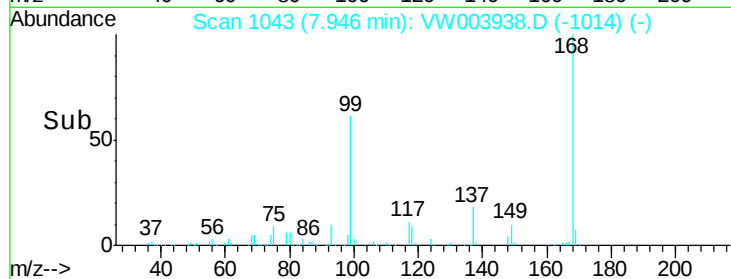
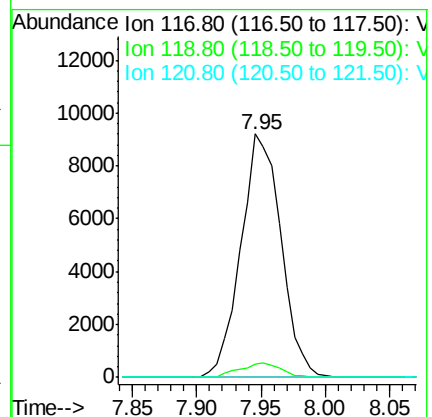
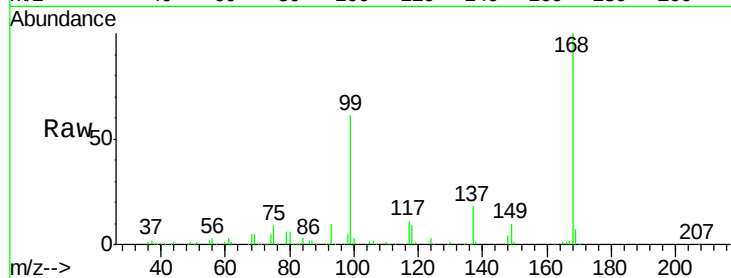




#38
Carbon Tetrachloride
Concen: 5.791 ug/l
RT: 7.95 min Scan# 1043
Delta R.T. -0.12 min
Lab File: VW003938.D
Acq: 14 Jul 2018 01:21

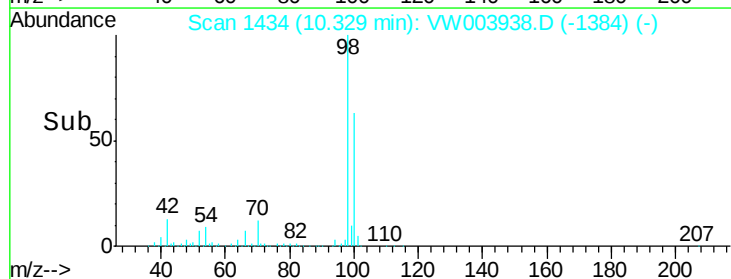
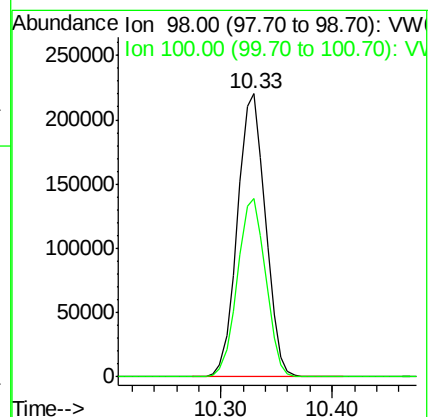
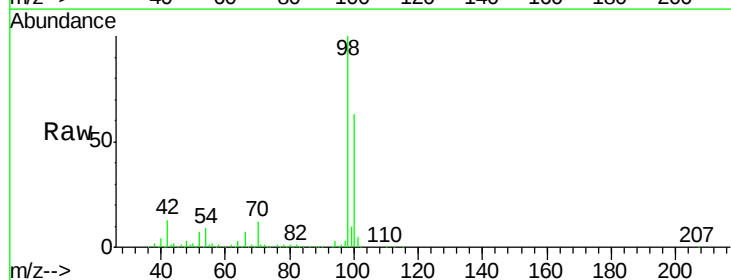
Instrument :
MSVOA_W
ClientSampled :

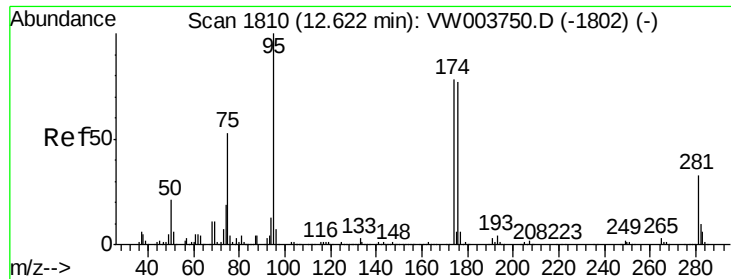
Tot Ion:117 Resp: 19844
Ion Ratio Lower Upper
117 100
119 5.4 77.4 116.2#
121 0.0 24.6 37.0#



#50
Toluene-d8
Concen: 42.227 ug/l
RT: 10.33 min Scan# 1434
Delta R.T. 0.01 min
Lab File: VW003938.D
Acq: 14 Jul 2018 01:21

Tgt Ion: 98 Resp: 383970
Ion Ratio Lower Upper
98 100
100 63.5 50.8 76.2





#62

4-Bromofluorobenzene

Concen: 41.211 ug/l

RT: 12.62 min Scan# 1810

Delta R.T. -0.00 min

Lab File: VW003938.D

Acq: 14 Jul 2018 01:21

Instrument :

MSVOA_W

ClientSampleId :

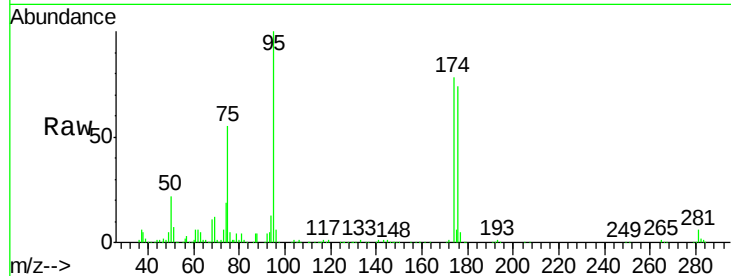
Tot Ion: 95 Resp: 135584

Ion Ratio Lower Upper

95 100

174 81.5 0.0 163.4

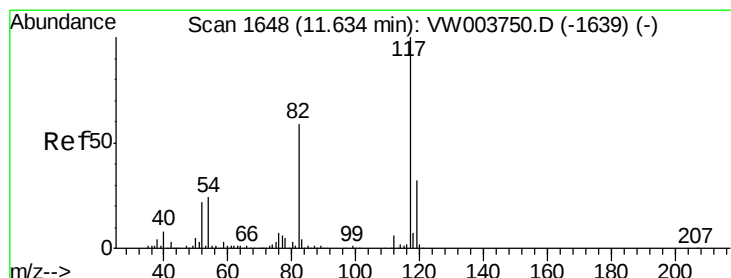
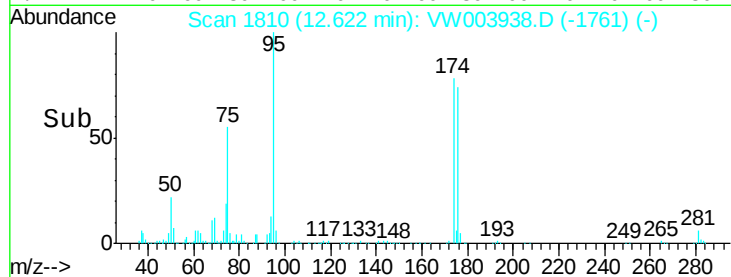
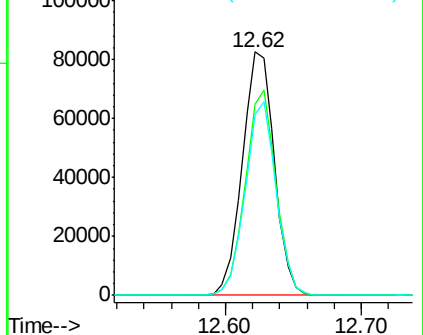
176 77.3 0.0 156.8



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# 1648

Delta R.T. -0.00 min

Lab File: VW003938.D

Acq: 14 Jul 2018 01:21

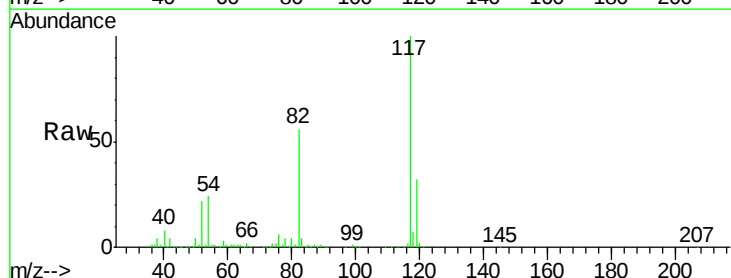
Tgt Ion: 117 Resp: 297364

Ion Ratio Lower Upper

117 100

82 55.9 46.9 70.3

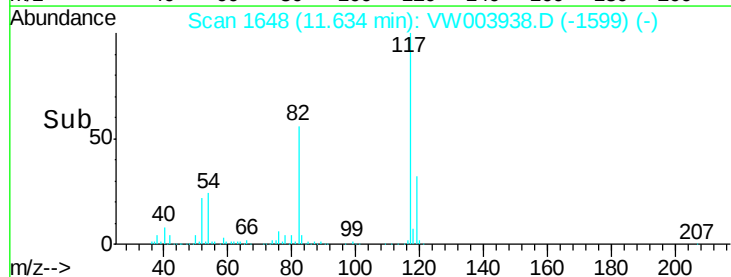
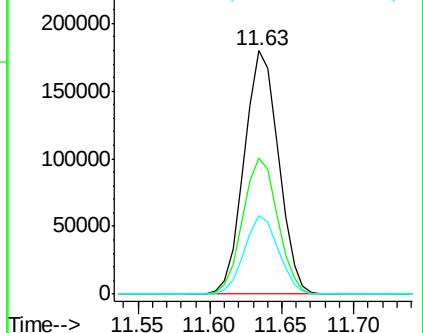
119 32.3 25.5 38.3

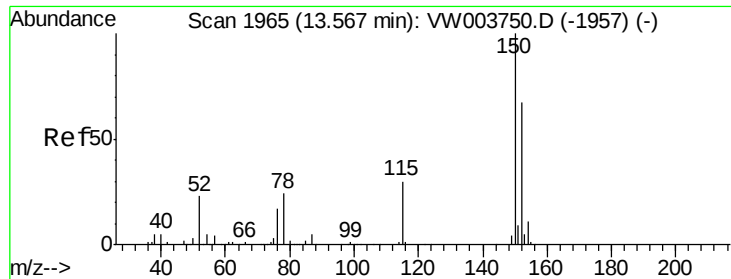


Abundance Ion 116.90 (116.60 to 117.60): VW

Ion 82.00 (81.70 to 82.70): VW

Ion 118.90 (118.60 to 119.60): VW



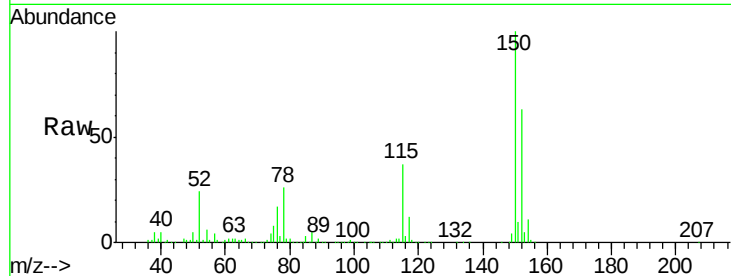


#72

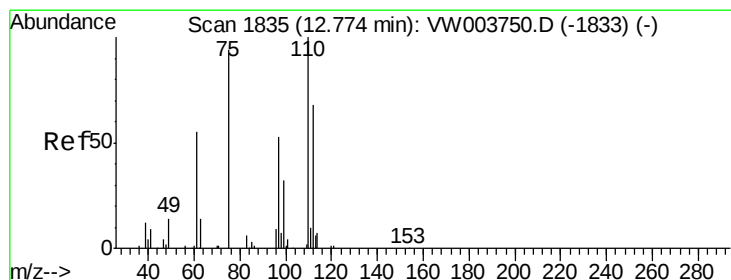
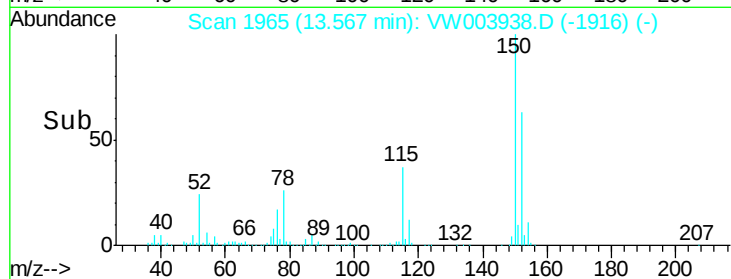
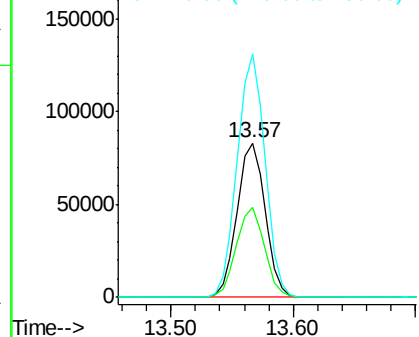
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.57 min Scan# 1965
Delta R.T. -0.00 min
Lab File: VW003938.D
Acq: 14 Jul 2018 01:21

Instrument :
MSVOA_W
ClientSampleId :

Tot Ion:152 Resp: 131847
Ion Ratio Lower Upper
152 100
115 58.5 28.9 86.8
150 156.1 0.0 342.4



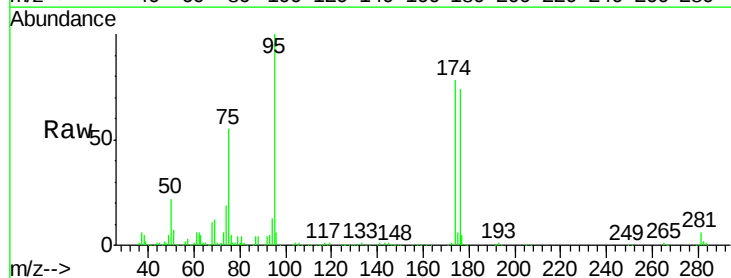
Abundance Ion 151.90 (151.60 to 152.60): V
Ion 114.90 (114.60 to 115.60): V
Ion 149.90 (149.60 to 150.60): V



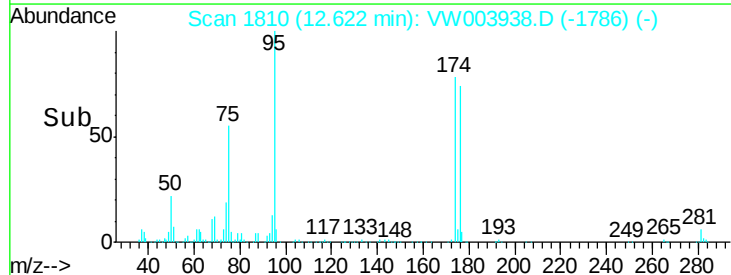
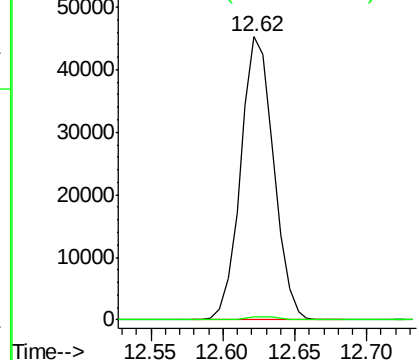
#76

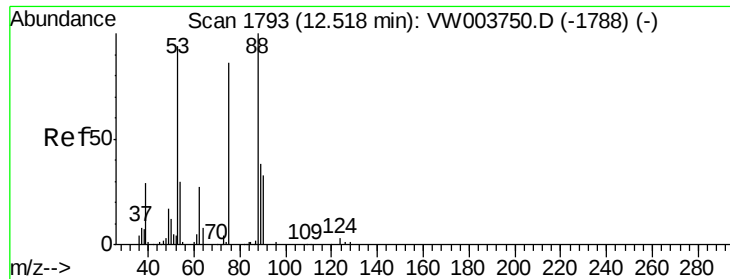
1,2,3-Trichloropropane
Concen: 55.486 ug/l
RT: 12.62 min Scan# 1810
Delta R.T. -0.15 min
Lab File: VW003938.D
Acq: 14 Jul 2018 01:21

Tgt Ion: 75 Resp: 71839
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

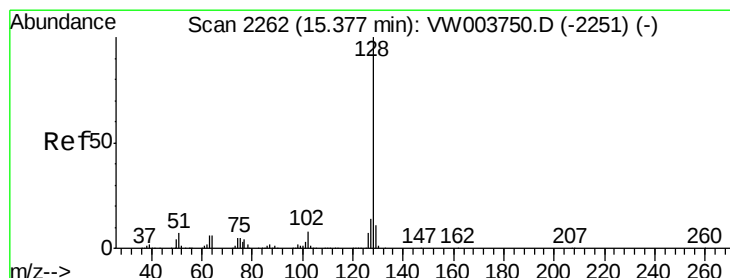
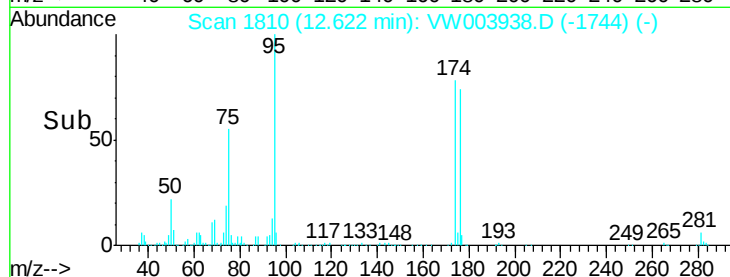
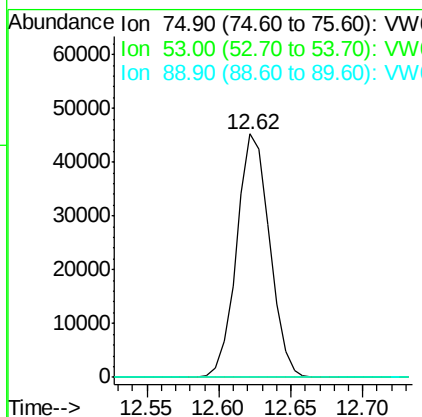
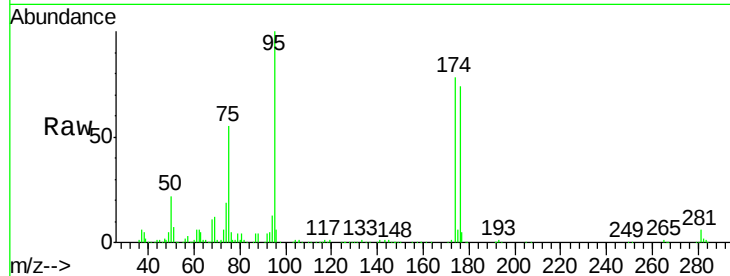




#81
trans-1,4-Dichloro-2-butene
Concen: 135.733 ug/l
RT: 12.62 min Scan# 1810
Delta R.T. 0.10 min
Lab File: VW003938.D
Acq: 14 Jul 2018 01:21

Instrument :
MSVOA_W
ClientSampleId :

Tot Ion: 75 Resp: 71839
Ion Ratio Lower Upper
75 100
53 0.1 85.0 127.6#
89 0.0 36.3 54.5#



#95
Naphthalene
Concen: 14.957 ug/l
RT: 15.38 min Scan# 2262
Delta R.T. -0.00 min
Lab File: VW003938.D
Acq: 14 Jul 2018 01:21

Tgt Ion: 128 Resp: 73142
Ion Ratio Lower Upper
128 100
127 13.8 10.8 16.2
129 10.9 8.6 13.0

