

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW091218\
 Data File : VW005338.D
 Acq On : 12 Sep 2018 20:39
 Operator : SY/AP
 Sample : J4883-01
 Misc : 5.02G/5ML/MSVOA_W/SOIL
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 292

Quant Time: Sep 13 01:01:33 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W091018S.M
 Quant Title : SW846 8260
 QLast Update : Tue Sep 11 03:48:23 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.96	168	346629	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.85	114	527591	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.64	117	449071	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.57	152	170384	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.31	65	133936	51.81	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.62%	
35) Dibromofluoromethane	7.89	113	115151	41.67	ug/l	0.00
Spiked Amount	50.000		Recovery	=	83.34%	
50) Toluene-d8	10.33	98	511852	36.65	ug/l	0.00
Spiked Amount	50.000		Recovery	=	73.30%	
62) 4-Bromofluorobenzene	12.62	95	152286	29.81	ug/l	0.00
Spiked Amount	50.000		Recovery	=	59.62%	

Target Compounds

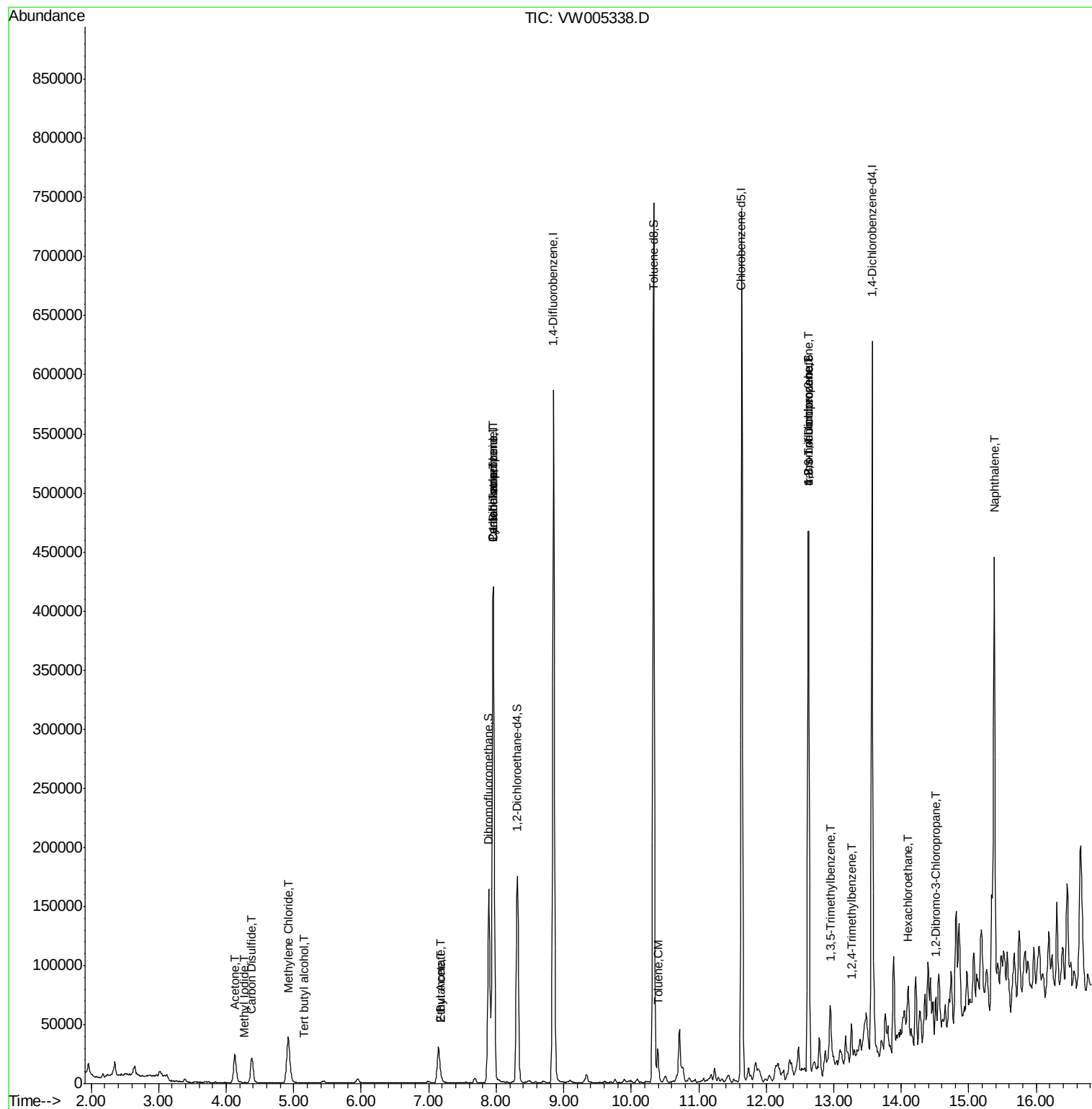
						Qvalue
5) Bromomethane	2.77	94	508	Below Cal	#	74
10) Methyl Iodide	4.26	142	106	3.353	ug/l #	45
11) Tert butyl alcohol	5.16	59	526	2.481	ug/l #	73
16) Acetone	4.13	43	41789	87.081	ug/l	100
17) Carbon Disulfide	4.38	76	45902	4.789	ug/l	97
20) Methylene Chloride	4.93	84	33014	6.384	ug/l	92
25) 2-Butanone	7.18	43	5325	7.035	ug/l	96
31) Cyclohexane	7.95	56	6854	1.239	ug/l #	1
36) 1,1-Dichloropropene	7.96	75	22443	4.643	ug/l #	48
37) Ethyl Acetate	7.18	43	5325	2.896	ug/l #	66
38) Carbon Tetrachloride	7.95	117	30138	6.656	ug/l #	16
52) Toluene	10.40	92	12502	1.208	ug/l	91
76) 1,2,3-Trichloropropane	12.62	75	69567	53.084	ug/l #	100
80) 1,3,5-Trimethylbenzene	12.95	105	12697	1.239	ug/l	92
81) trans-1,4-Dichloro-2-buten	12.62	75	69567	124.494	ug/l #	16
84) 1,2,4-Trimethylbenzene	13.26	105	18605	1.806	ug/l	98
90) Hexachloroethane	14.11	117	1973	1.080	ug/l #	5
92) 1,2-Dibromo-3-Chloropropan	14.50	75	355	1.180	ug/l #	1
95) Naphthalene	15.38	128	351077	58.481	ug/l	99

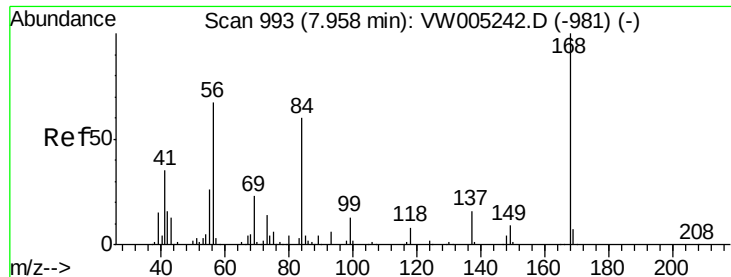
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.96 min Scan# 993

Delta R.T. -0.00 min

Lab File: VW005338.D

Acq: 12 Sep 2018 20:39

Instrument :

MSVOA_W

ClientSampleId :

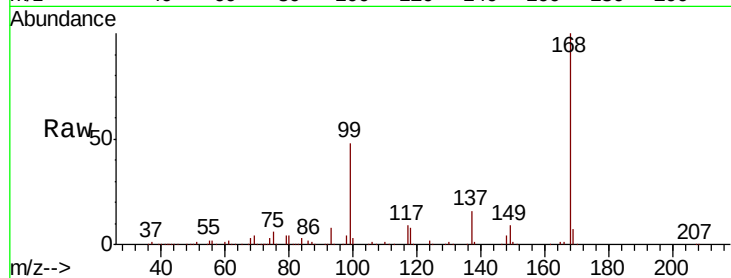
292

Tgt Ion:168 Resp: 346629

Ion Ratio Lower Upper

168 100

99 47.8 39.1 58.7



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW

7.96

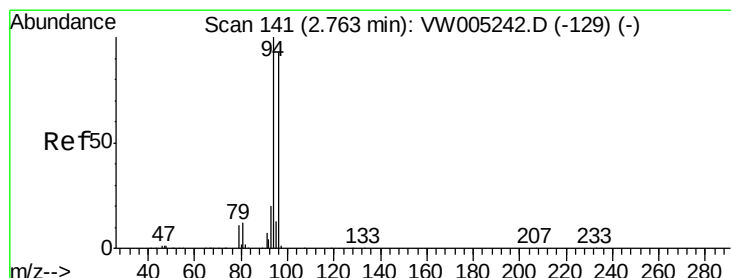
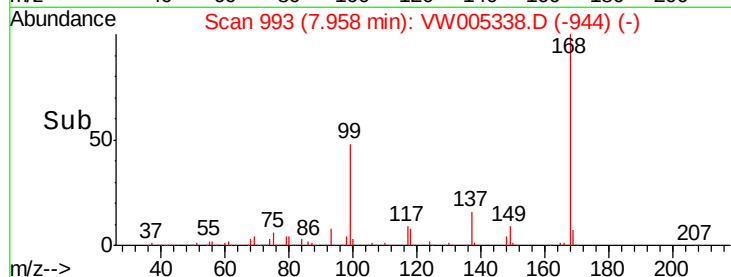
150000

100000

50000

0

Time-->



#5

Bromomethane

Concen: Below Cal

RT: 2.77 min Scan# 142

Delta R.T. 0.01 min

Lab File: VW005338.D

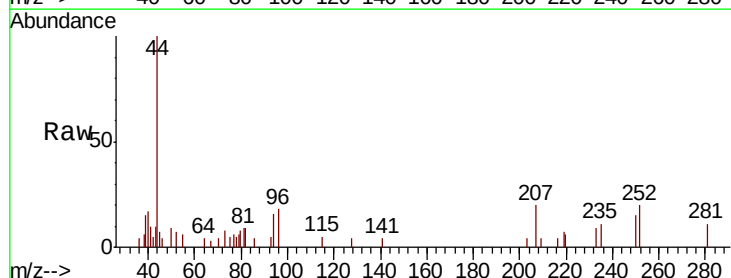
Acq: 12 Sep 2018 20:39

Tgt Ion: 94 Resp: 508

Ion Ratio Lower Upper

94 100

96 67.9 74.1 111.1#



Abundance Ion 93.90 (93.60 to 94.60): VW

Ion 95.90 (95.60 to 96.60): VW

2.77

300

250

200

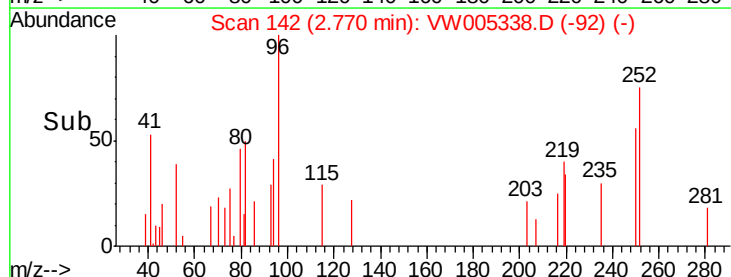
150

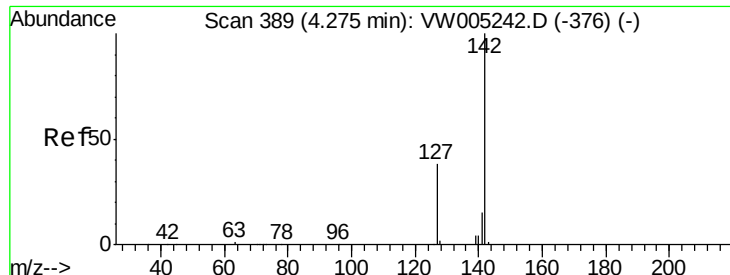
100

50

0

Time-->

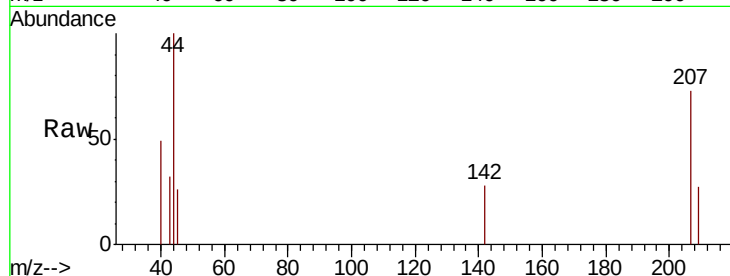




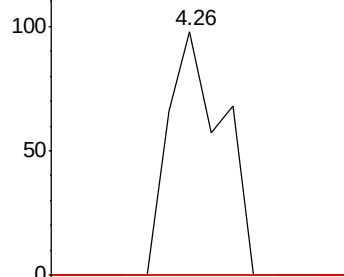
#10
Methyl Iodide
Concen: 3.353 ug/l
RT: 4.26 min Scan# 387
Delta R.T. -0.01 min
Lab File: VW005338.D
Acq: 12 Sep 2018 20:39

Instrument :
MSVOA_W
ClientSampled :
292

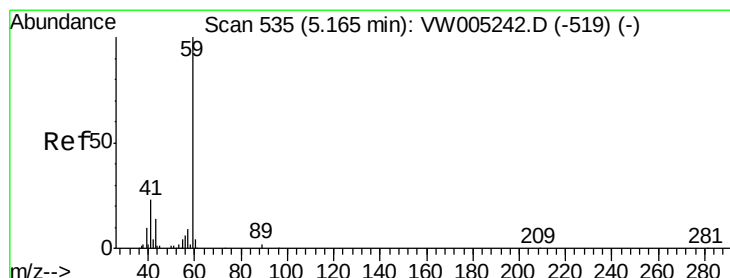
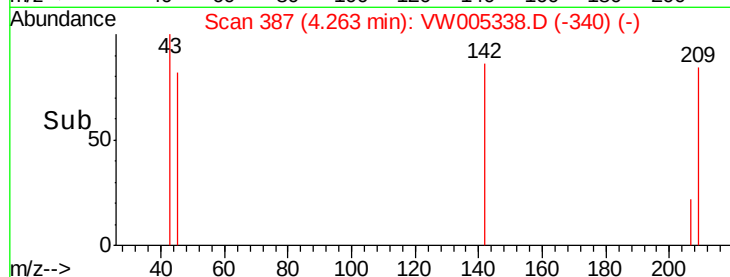
Tgt Ion:142 Resp: 106
Ion Ratio Lower Upper
142 100
127 0.0 30.3 45.5#
141 0.0 11.4 17.0#



Abundance Ion 141.80 (141.50 to 142.50): V
Ion 126.80 (126.50 to 127.50): V
Ion 140.80 (140.50 to 141.50): V

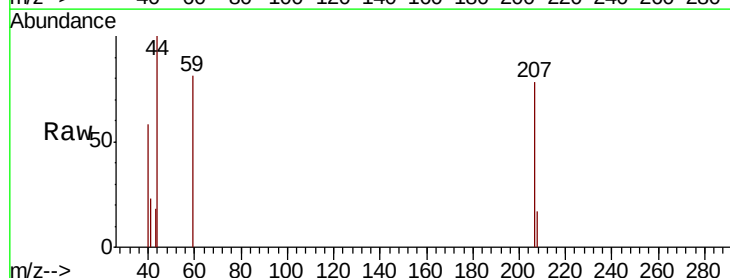


Time-->

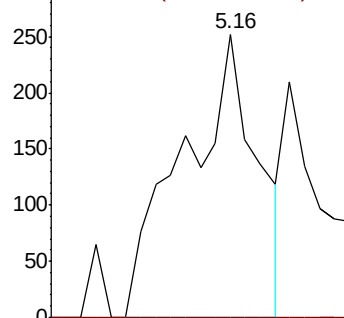


#11
Tert butyl alcohol
Concen: 2.481 ug/l
RT: 5.16 min Scan# 534
Delta R.T. -0.01 min
Lab File: VW005338.D
Acq: 12 Sep 2018 20:39

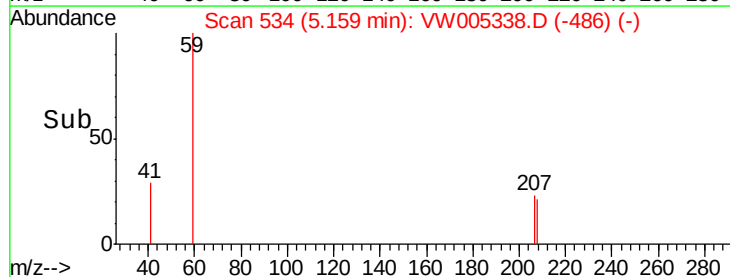
Tgt Ion: 59 Resp: 526
Ion Ratio Lower Upper
59 100
57 0.0 8.1 12.1#

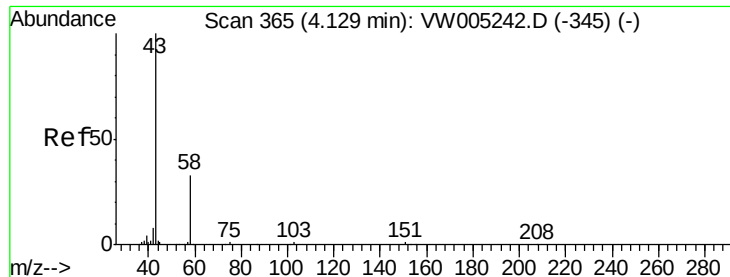


Abundance Ion 59.00 (58.70 to 59.70): VW
Ion 57.00 (56.70 to 57.70): VW



Time-->





#16

Acetone

Concen: 87.081 ug/l

RT: 4.13 min Scan# 365

Delta R.T. -0.00 min

Lab File: VW005338.D

Acq: 12 Sep 2018 20:39

Instrument :

MSVOA_W

ClientSampled :

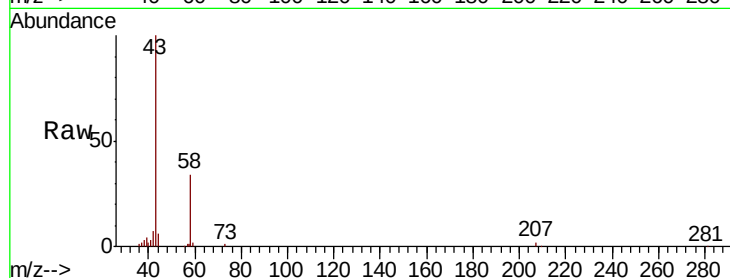
292

Tgt Ion: 43 Resp: 41789

Ion Ratio Lower Upper

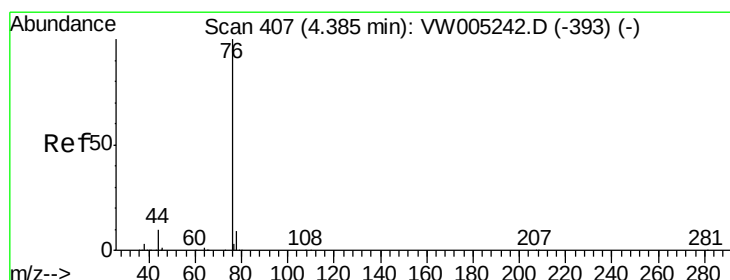
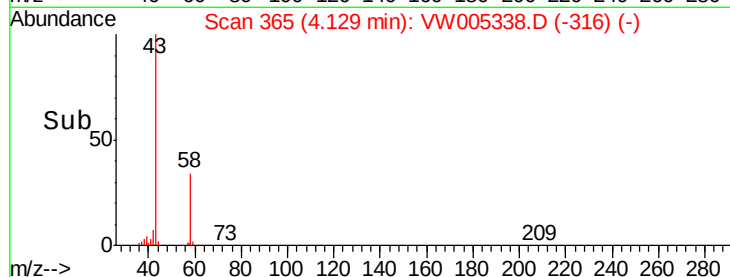
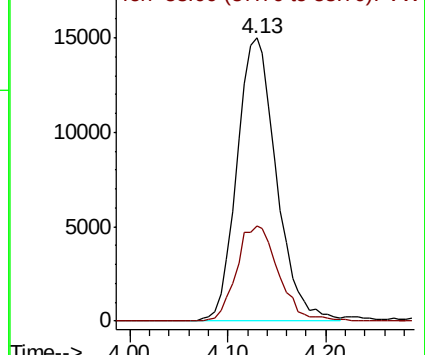
43 100

58 33.6 26.7 40.1



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW



#17

Carbon Disulfide

Concen: 4.789 ug/l

RT: 4.38 min Scan# 406

Delta R.T. -0.01 min

Lab File: VW005338.D

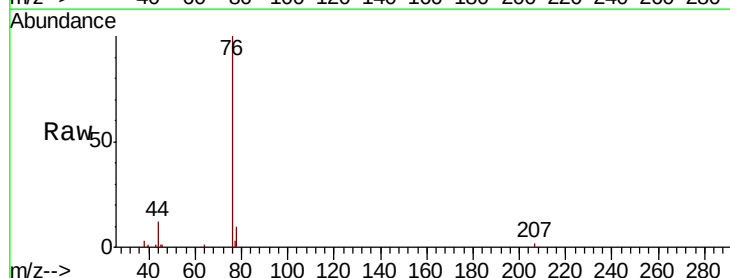
Acq: 12 Sep 2018 20:39

Tgt Ion: 76 Resp: 45902

Ion Ratio Lower Upper

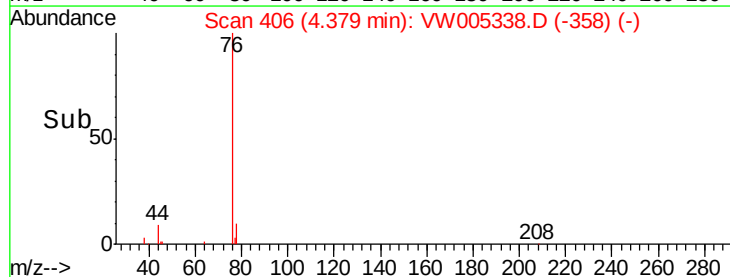
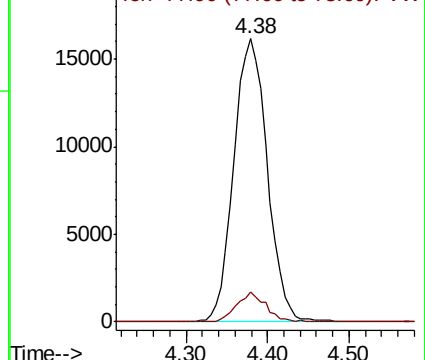
76 100

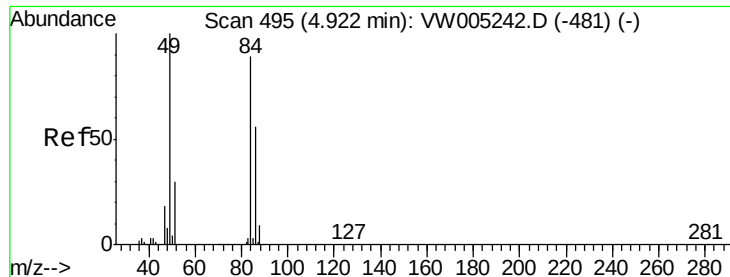
78 10.4 7.5 11.3



Abundance Ion 75.90 (75.60 to 76.60): VW

Ion 77.90 (77.60 to 78.60): VW

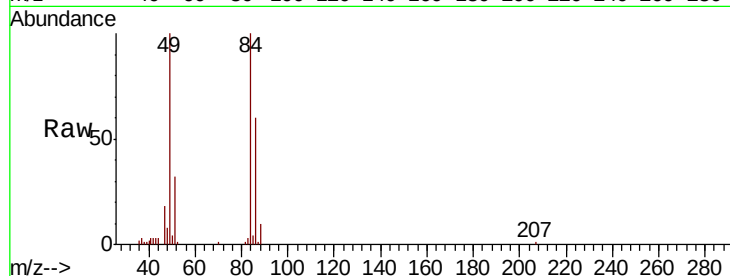




#20
Methylene Chloride
Concen: 6.384 ug/l
RT: 4.93 min Scan# 496
Delta R.T. 0.01 min
Lab File: VW005338.D
Acq: 12 Sep 2018 20:39

Instrument :
MSVOA_W
ClientSampleId :
292

Tgt Ion:	84	Resp:	33014
Ion	Ratio	Lower	Upper
84	100		
49	100.3	90.3	135.5
51	31.7	26.9	40.3
86	60.5	50.8	76.2



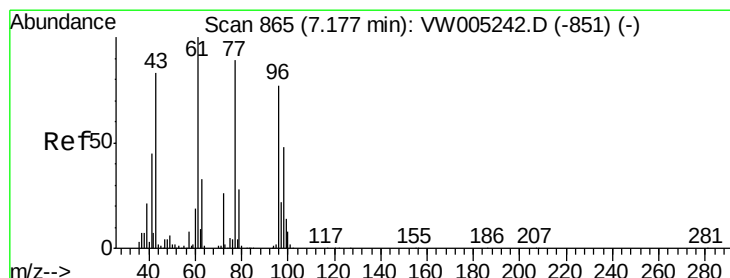
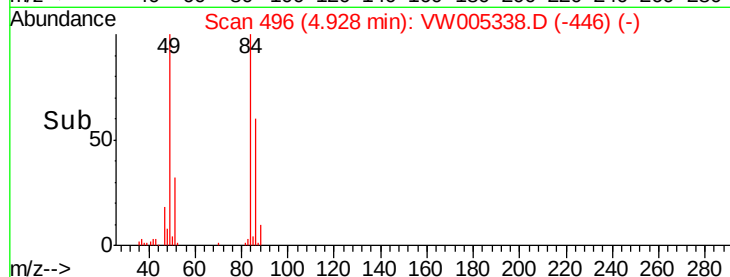
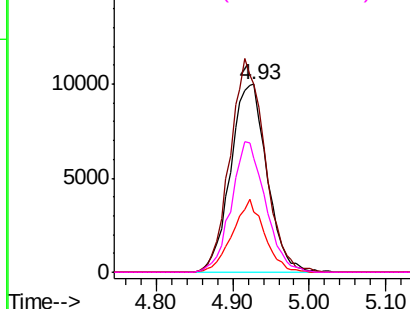
Abundance

Ion 83.90 (83.60 to 84.60): VW

Ion 48.90 (48.60 to 49.60): VW

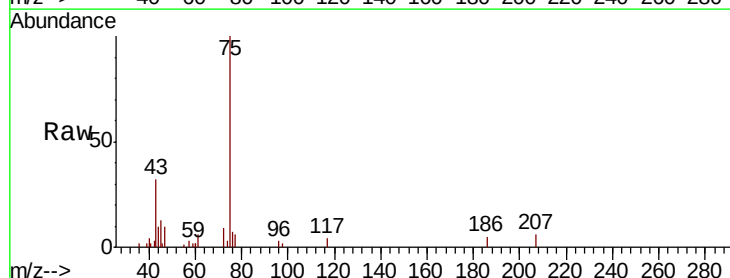
Ion 50.90 (50.60 to 51.60): VW

Ion 85.90 (85.60 to 86.60): VW



#25
2-Butanone
Concen: 7.035 ug/l
RT: 7.18 min Scan# 865
Delta R.T. -0.00 min
Lab File: VW005338.D
Acq: 12 Sep 2018 20:39

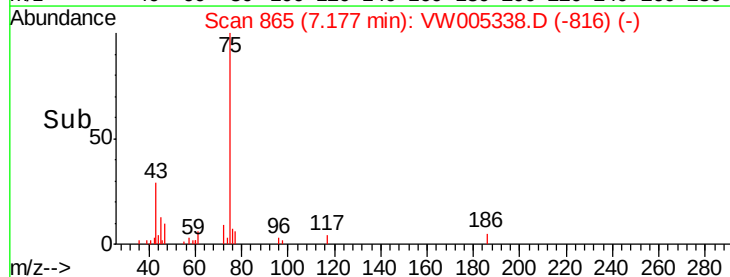
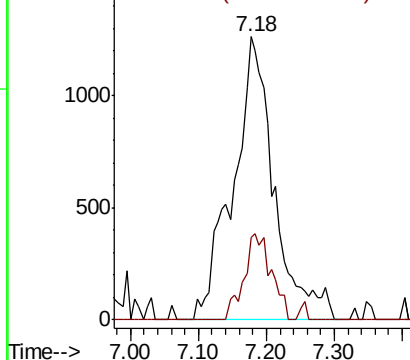
Tgt Ion:	43	Resp:	5325
Ion	Ratio	Lower	Upper
43	100		
72	29.0	25.0	37.6

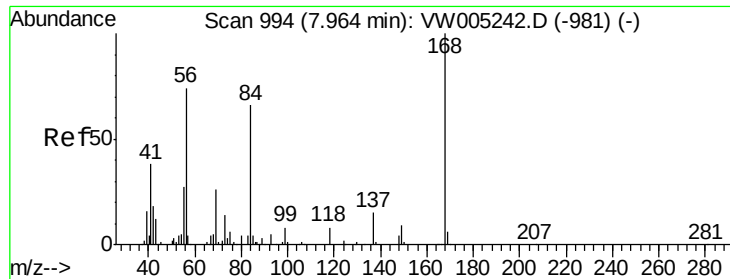


Abundance

Ion 43.00 (42.70 to 43.70): VW

Ion 72.00 (71.70 to 72.70): VW

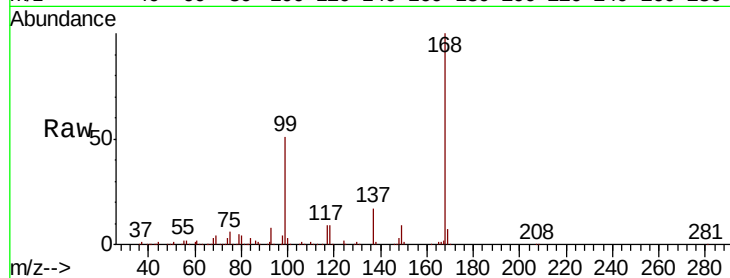




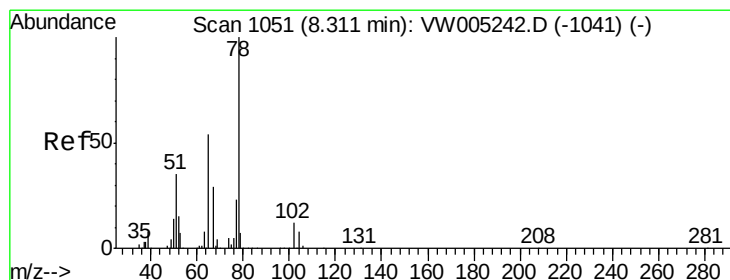
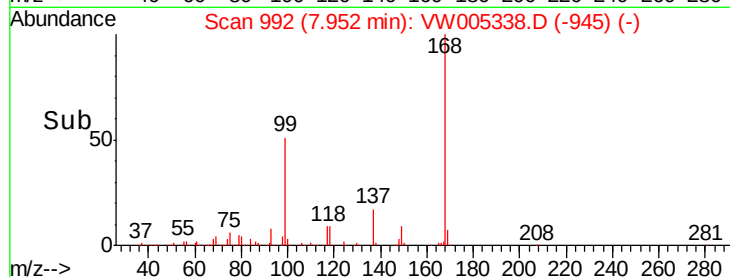
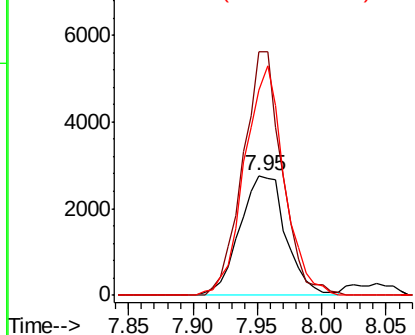
#31
Cyclohexane
Concen: 1.239 ug/l
RT: 7.95 min Scan# 992
Delta R.T. -0.01 min
Lab File: VW005338.D
Acq: 12 Sep 2018 20:39

Instrument :
MSVOA_W
ClientSampled :
292

Tgt Ion: 56 Resp: 6854
Ion Ratio Lower Upper
56 100
69 202.9 27.8 41.8#
84 171.2 72.1 108.1#

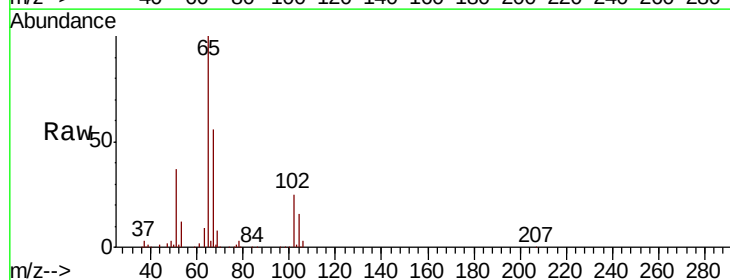


Abundance Ion 56.00 (55.70 to 56.70): VW
Ion 69.00 (68.70 to 69.70): VW
Ion 84.00 (83.70 to 84.70): VW

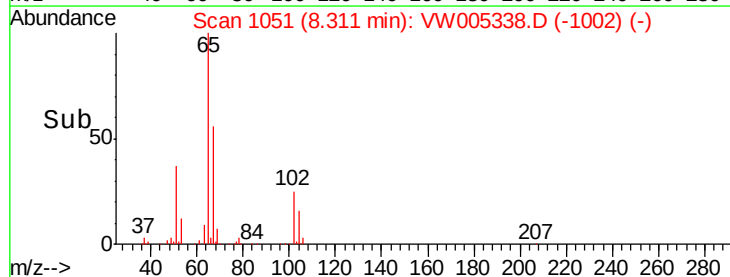
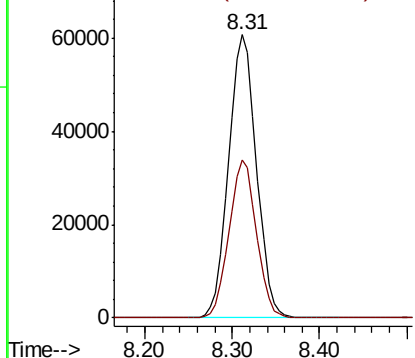


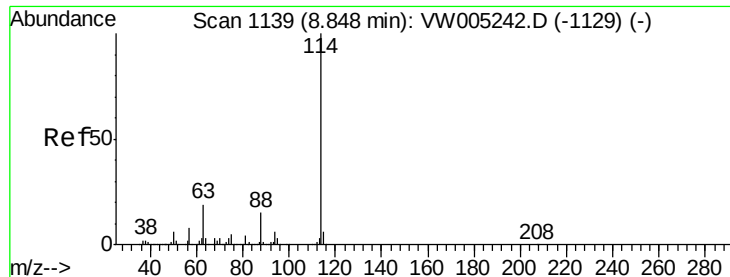
#33
1,2-Dichloroethane-d4
Concen: 51.805 ug/l
RT: 8.31 min Scan# 1051
Delta R.T. -0.00 min
Lab File: VW005338.D
Acq: 12 Sep 2018 20:39

Tgt Ion: 65 Resp: 133936
Ion Ratio Lower Upper
65 100
67 55.0 0.0 112.2



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

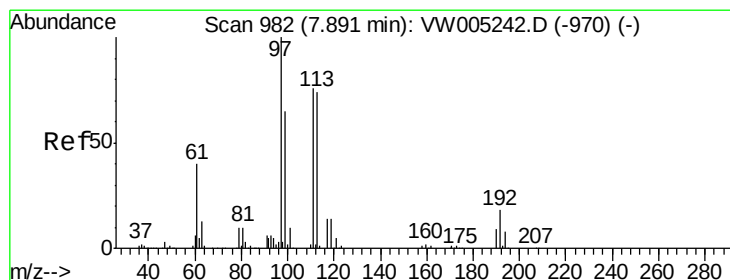
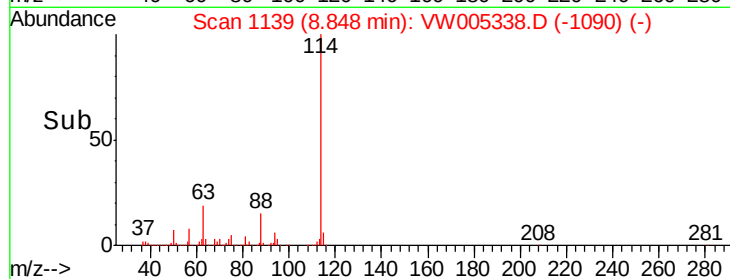
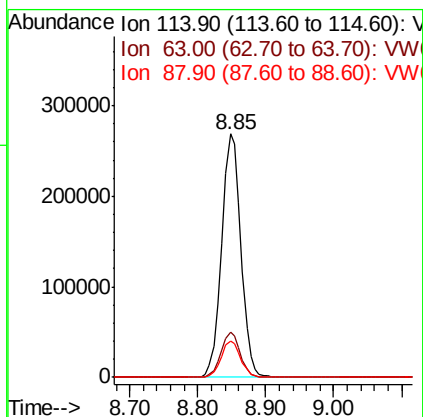
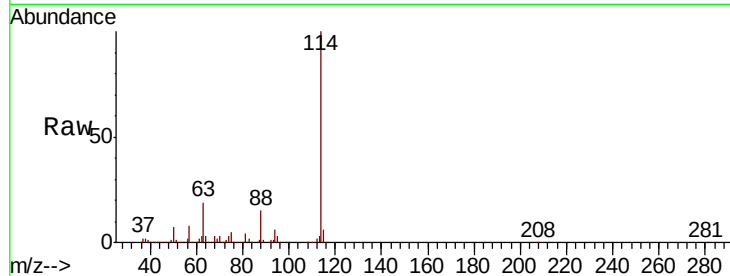




#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.85 min Scan# 1139
 Delta R.T. -0.00 min
 Lab File: VW005338.D
 Acq: 12 Sep 2018 20:39

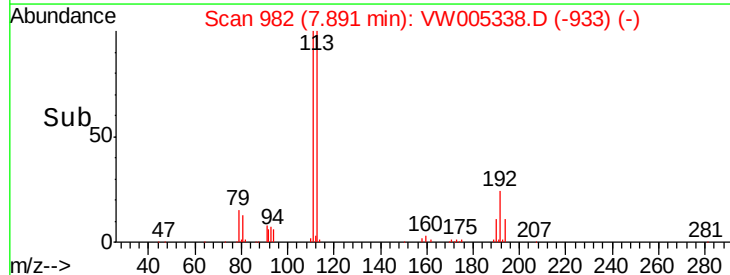
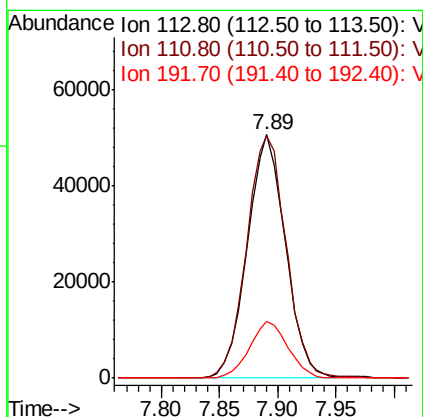
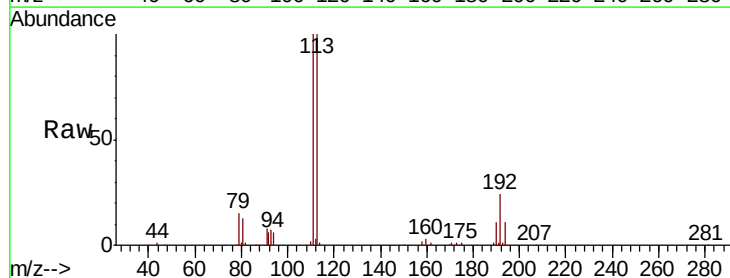
Instrument :
 MSVOA_W
 ClientSampleId :
 292

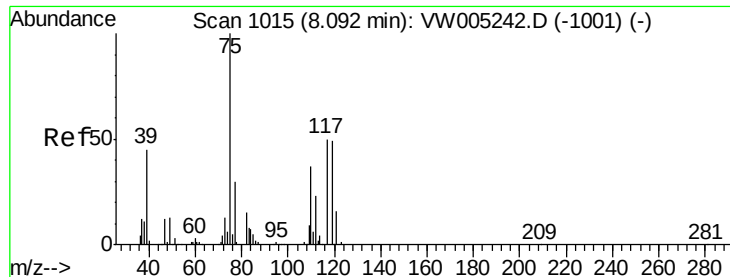
Tgt Ion:114 Resp: 527591
 Ion Ratio Lower Upper
 114 100
 63 18.8 0.0 37.0
 88 15.0 0.0 30.4



#35
 Dibromofluoromethane
 Concen: 41.665 ug/l
 RT: 7.89 min Scan# 982
 Delta R.T. -0.00 min
 Lab File: VW005338.D
 Acq: 12 Sep 2018 20:39

Tgt Ion:113 Resp: 115151
 Ion Ratio Lower Upper
 113 100
 111 103.8 80.6 121.0
 192 23.5 18.3 27.5

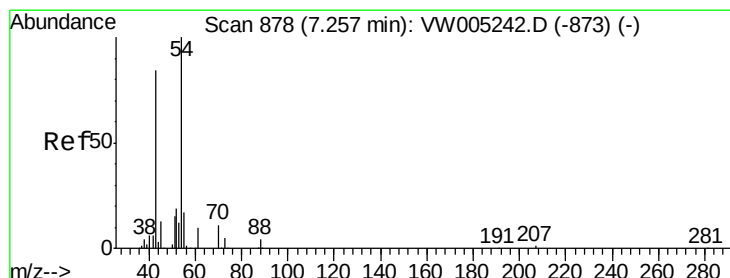
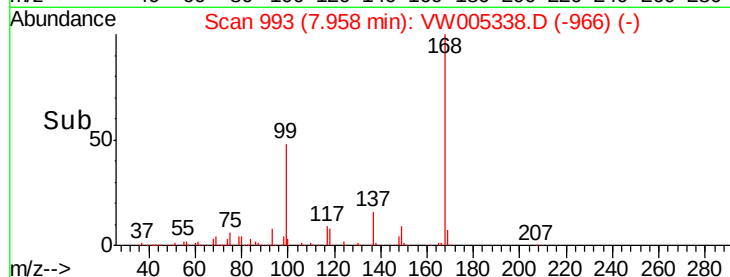
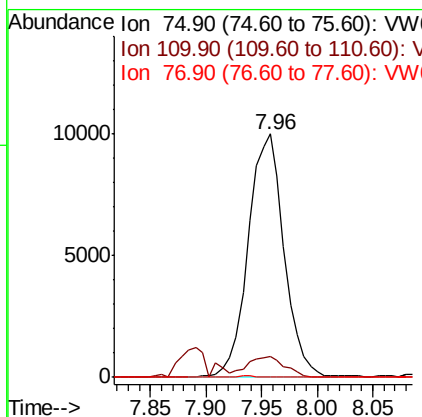
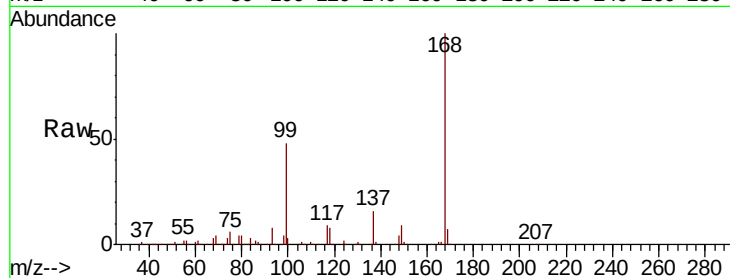




#36
 1,1-Dichloropropene
 Concen: 4.643 ug/l
 RT: 7.96 min Scan# 993
 Delta R.T. -0.13 min
 Lab File: VW005338.D
 Acq: 12 Sep 2018 20:39

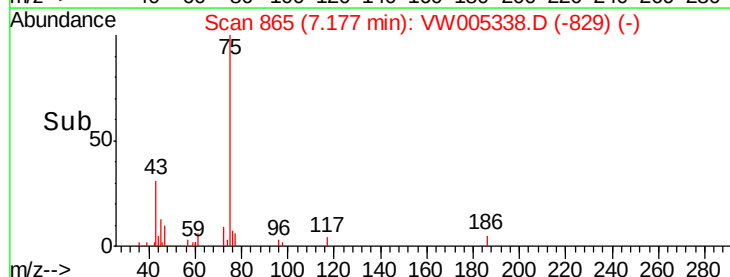
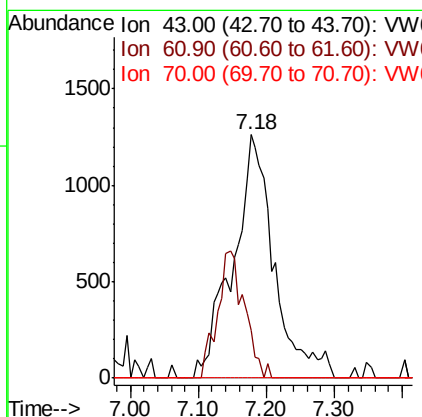
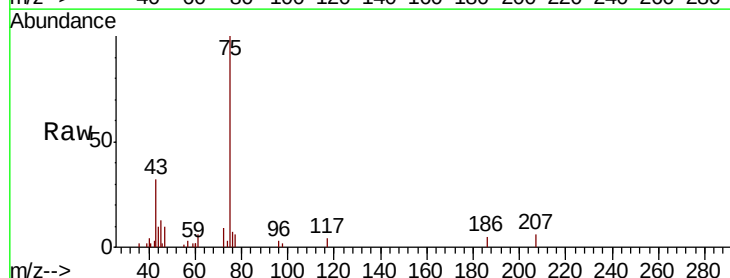
Instrument :
 MSVOA_W
 ClientSampled :
 292

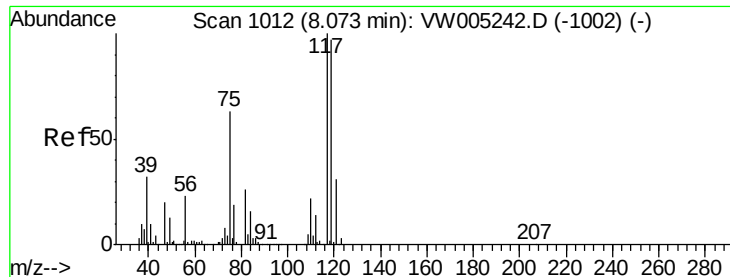
Tgt Ion	Ratio	Lower	Upper
75	100		
110	8.9	18.8	56.4#
77	0.0	24.9	37.3#



#37
 Ethyl Acetate
 Concen: 2.896 ug/l
 RT: 7.18 min Scan# 865
 Delta R.T. -0.08 min
 Lab File: VW005338.D
 Acq: 12 Sep 2018 20:39

Tgt Ion	Ratio	Lower	Upper
43	100		
61	0.0	12.3	18.5#
70	0.0	9.5	14.3#





#38

Carbon Tetrachloride

Concen: 6.656 ug/l

RT: 7.95 min Scan# 992

Delta R.T. -0.12 min

Lab File: VW005338.D

Acq: 12 Sep 2018 20:39

Instrument :

MSVOA_W

ClientSampled :

292

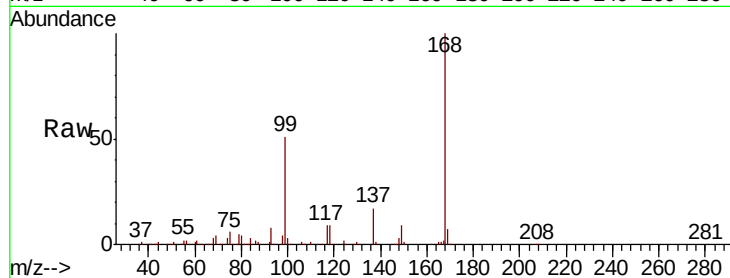
Tgt Ion:117 Resp: 30138

Ion Ratio Lower Upper

117 100

119 5.3 77.5 116.3#

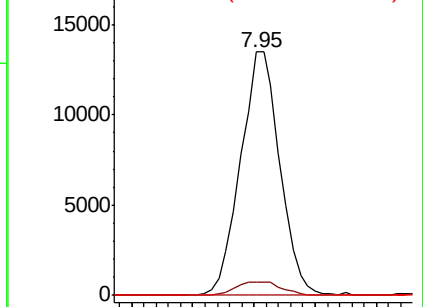
121 0.0 24.7 37.1#



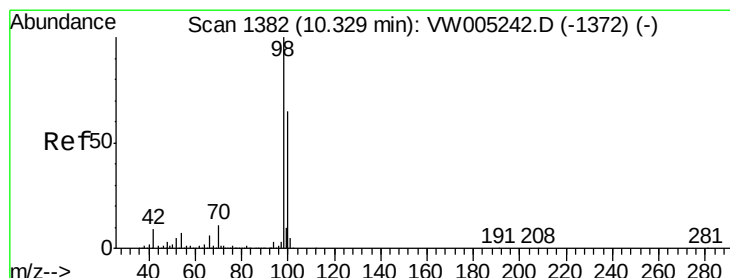
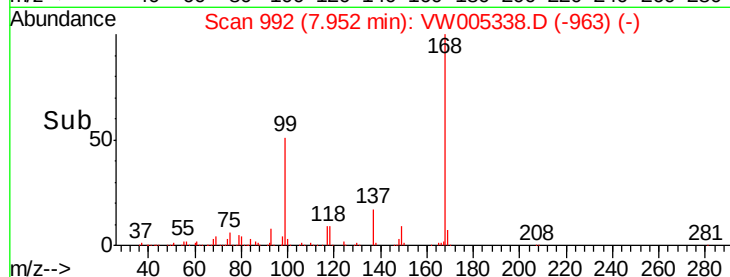
Abundance Ion 116.80 (116.50 to 117.50): V

Ion 118.80 (118.50 to 119.50): V

Ion 120.80 (120.50 to 121.50): V



Time-->



#50

Toluene-d8

Concen: 36.651 ug/l

RT: 10.33 min Scan# 1382

Delta R.T. -0.00 min

Lab File: VW005338.D

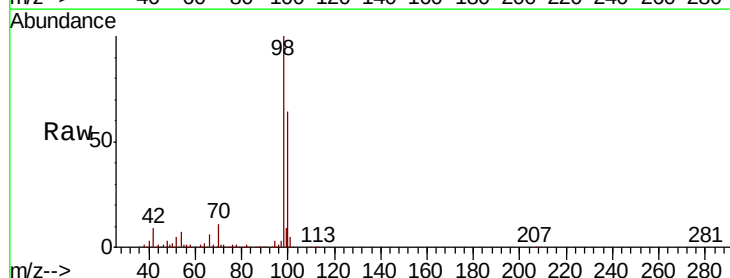
Acq: 12 Sep 2018 20:39

Tgt Ion: 98 Resp: 511852

Ion Ratio Lower Upper

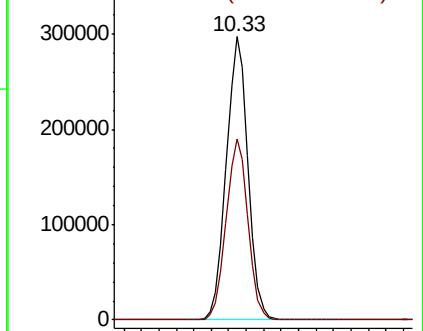
98 100

100 64.3 52.0 78.0

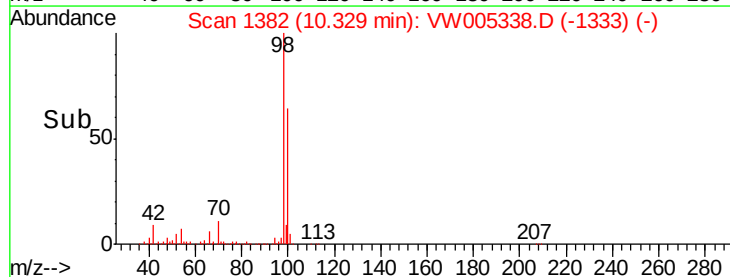


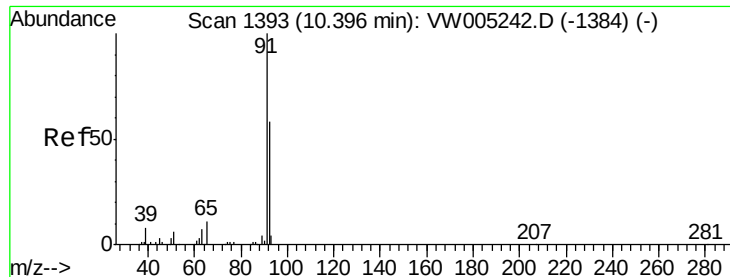
Abundance Ion 98.00 (97.70 to 98.70): VW

Ion 100.00 (99.70 to 100.70): VW



Time-->





#52

Toluene

Concen: 1.208 ug/l

RT: 10.40 min Scan# 1393

Delta R.T. -0.00 min

Lab File: VW005338.D

Acq: 12 Sep 2018 20:39

Instrument :

MSVOA_W

ClientSampleId :

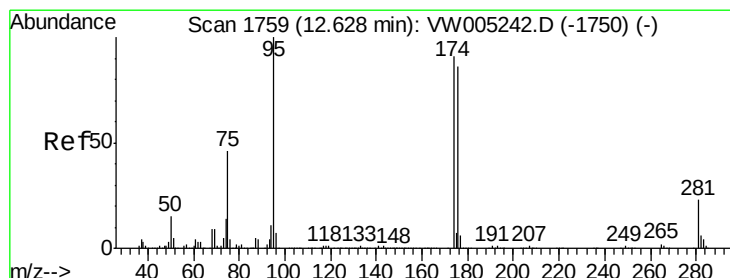
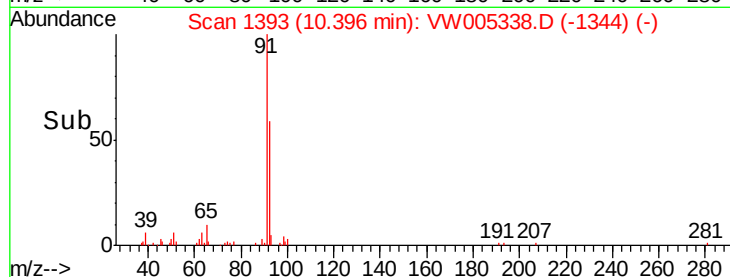
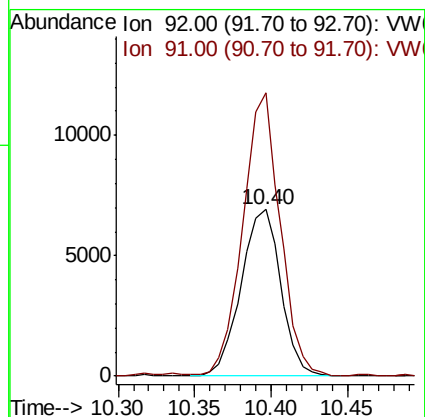
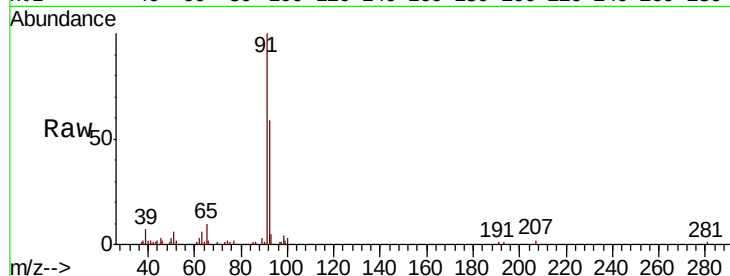
292

Tgt Ion: 92 Resp: 12502

Ion Ratio Lower Upper

92 100

91 160.0 137.4 206.0



#62

4-Bromofluorobenzene

Concen: 29.812 ug/l

RT: 12.62 min Scan# 1758

Delta R.T. -0.01 min

Lab File: VW005338.D

Acq: 12 Sep 2018 20:39

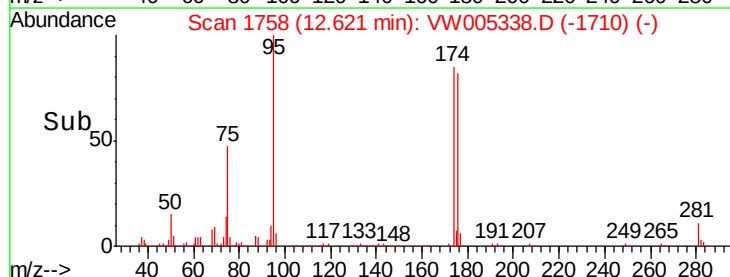
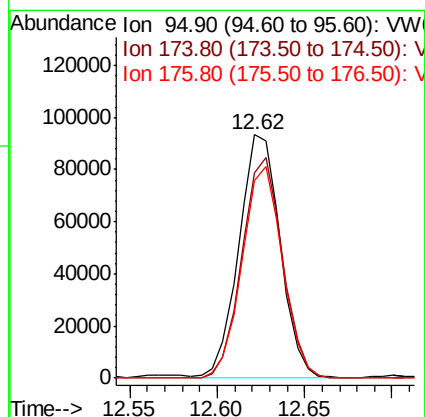
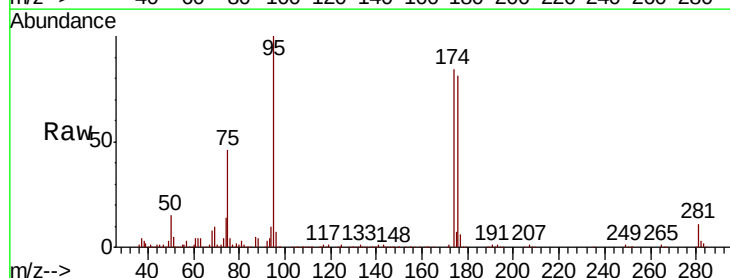
Tgt Ion: 95 Resp: 152286

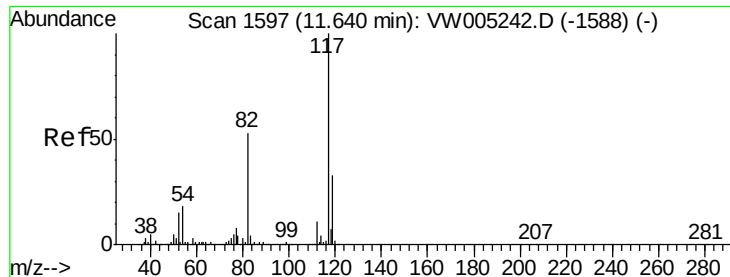
Ion Ratio Lower Upper

95 100

174 89.5 0.0 174.6

176 85.9 0.0 167.6





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.64 min Scan# 1597

Delta R.T. -0.00 min

Lab File: VW005338.D

Acq: 12 Sep 2018 20:39

Instrument :

MSVOA_W

ClientSampleId :

292

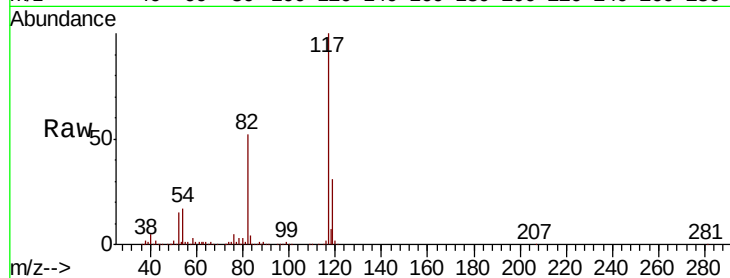
Tgt Ion:117 Resp: 449071

Ion Ratio Lower Upper

117 100

82 52.0 42.6 63.8

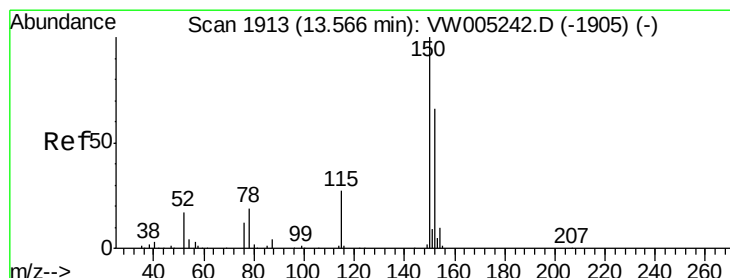
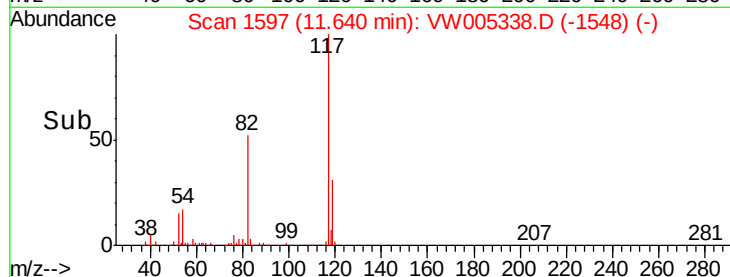
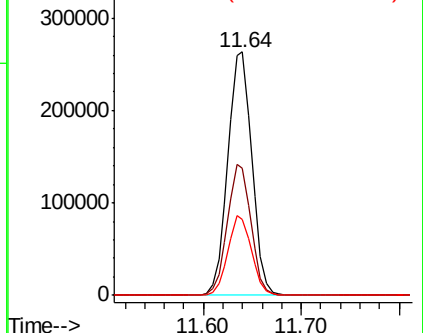
119 31.4 26.2 39.4



Abundance Ion 116.90 (116.60 to 117.60): V

Ion 82.00 (81.70 to 82.70): V

Ion 118.90 (118.60 to 119.60): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.57 min Scan# 1913

Delta R.T. -0.00 min

Lab File: VW005338.D

Acq: 12 Sep 2018 20:39

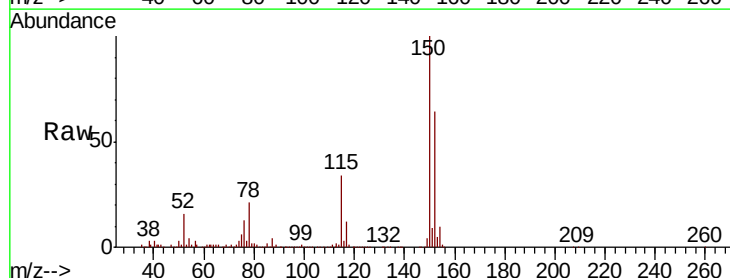
Tgt Ion:152 Resp: 170384

Ion Ratio Lower Upper

152 100

115 55.5 27.5 82.4

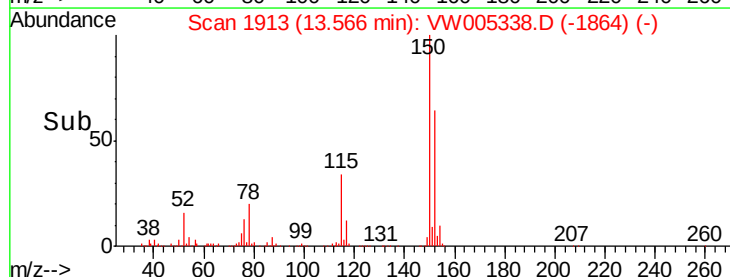
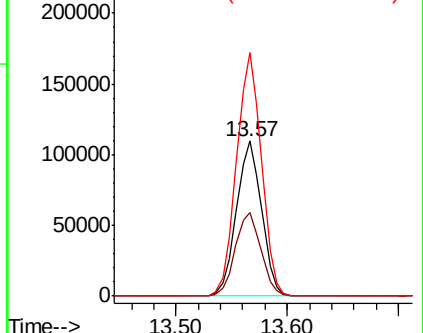
150 156.5 0.0 347.4

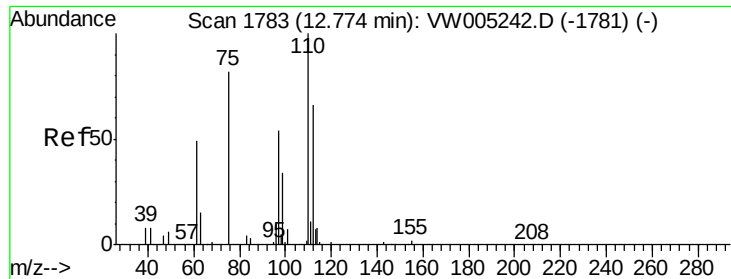


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#76

1,2,3-Trichloropropane

Concen: 53.084 ug/l

RT: 12.62 min Scan# 1758

Delta R.T. -0.15 min

Lab File: VW005338.D

Acq: 12 Sep 2018 20:39

Instrument :

MSVOA_W

ClientSampled :

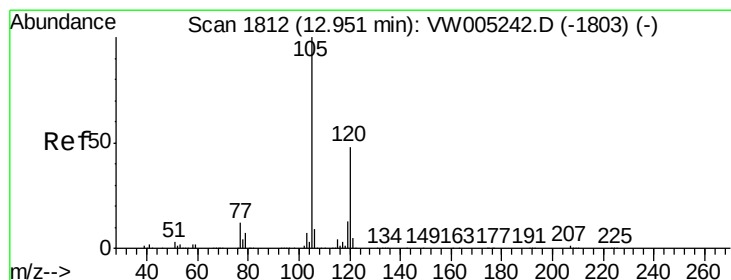
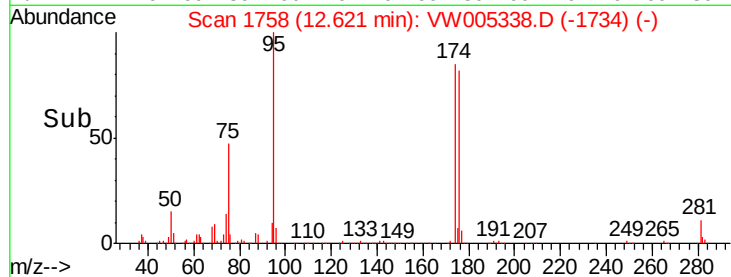
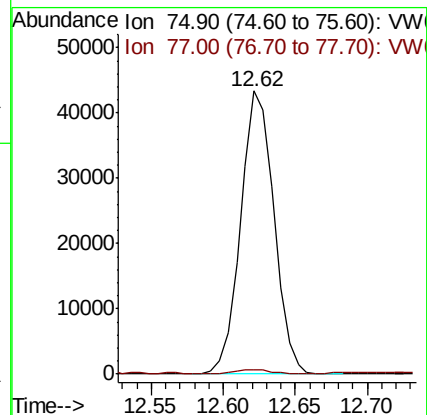
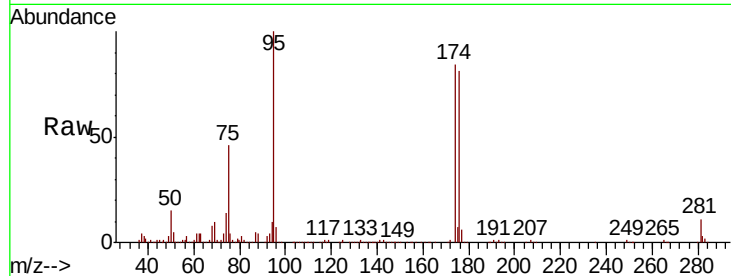
292

Tgt Ion: 75 Resp: 69567

Ion Ratio Lower Upper

75 100

77 1.6 0.0 0.0#



#80

1,3,5-Trimethylbenzene

Concen: 1.239 ug/l

RT: 12.95 min Scan# 1812

Delta R.T. -0.00 min

Lab File: VW005338.D

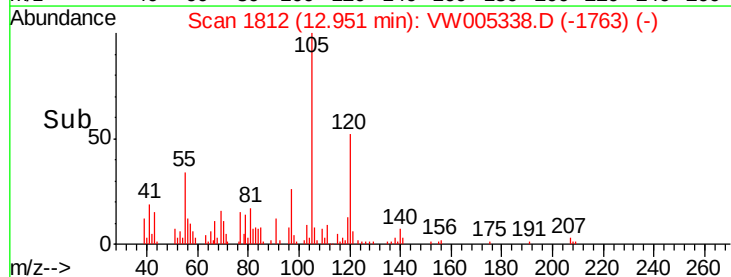
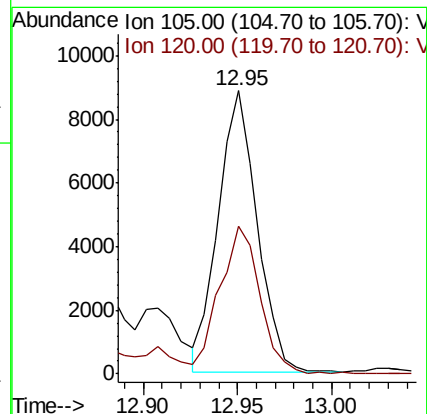
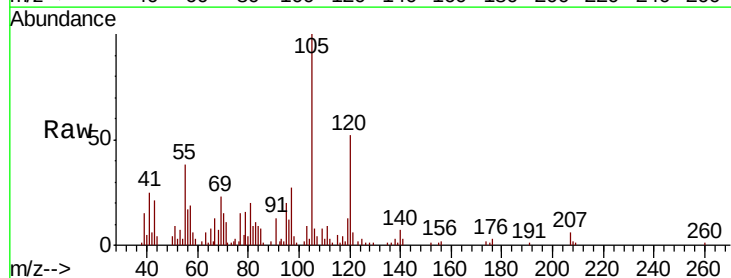
Acq: 12 Sep 2018 20:39

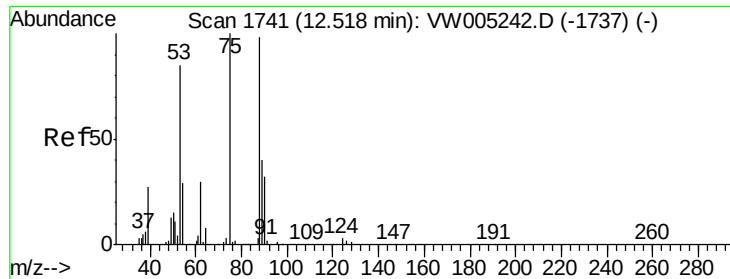
Tgt Ion: 105 Resp: 12697

Ion Ratio Lower Upper

105 100

120 54.2 24.4 73.4





#81

trans-1,4-Dichloro-2-butene

Concen: 124.494 ug/l

RT: 12.62 min Scan# 1758

Delta R.T. 0.10 min

Lab File: VW005338.D

Acq: 12 Sep 2018 20:39

Instrument :

MSVOA_W

ClientSampleId :

292

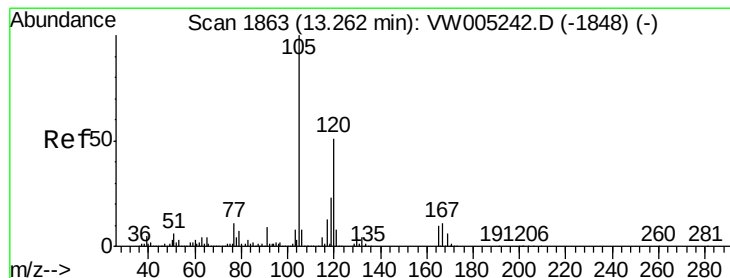
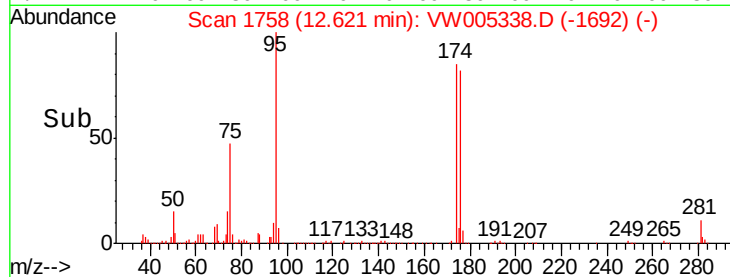
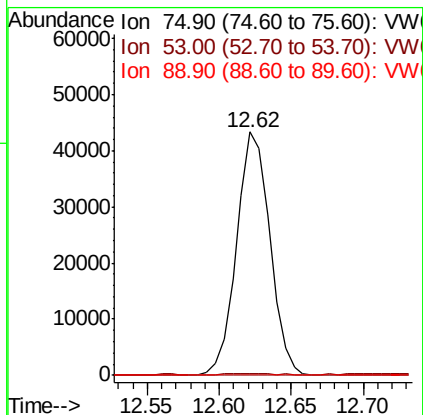
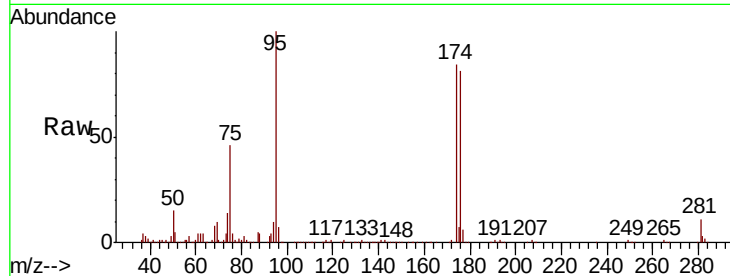
Tgt Ion: 75 Resp: 69567

Ion Ratio Lower Upper

75 100

53 0.5 67.0 100.6#

89 0.0 37.0 55.4#



#84

1,2,4-Trimethylbenzene

Concen: 1.806 ug/l

RT: 13.26 min Scan# 1863

Delta R.T. -0.00 min

Lab File: VW005338.D

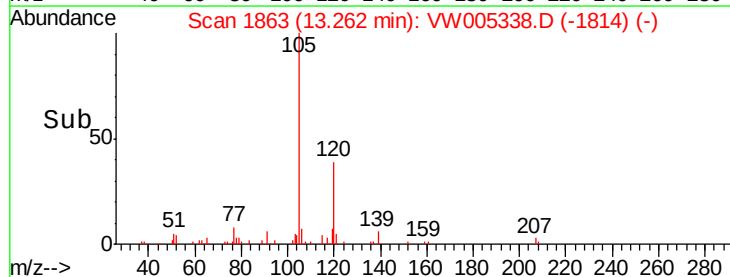
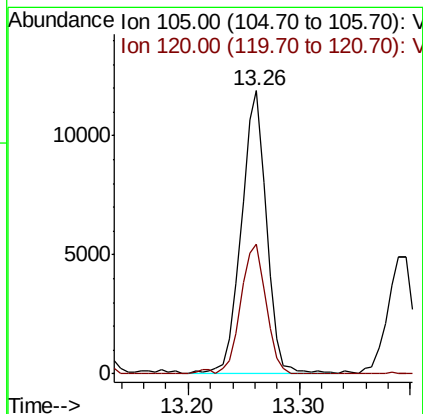
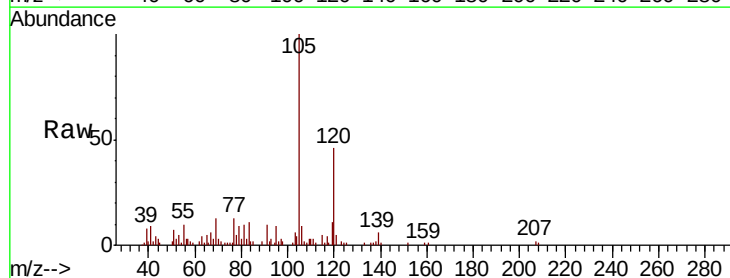
Acq: 12 Sep 2018 20:39

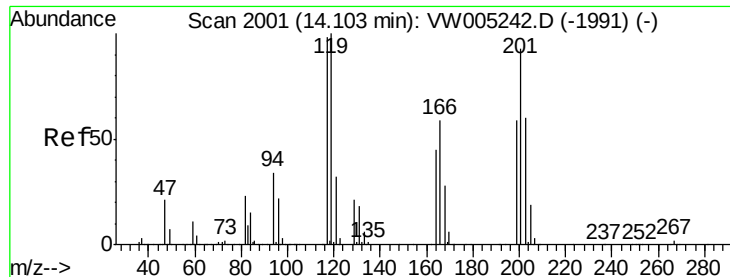
Tgt Ion: 105 Resp: 18605

Ion Ratio Lower Upper

105 100

120 45.6 23.4 70.3





#90

Hexachloroethane

Concen: 1.080 ug/l

RT: 14.11 min Scan# 2002

Delta R.T. 0.01 min

Lab File: VW005338.D

Acq: 12 Sep 2018 20:39

Instrument :

MSVOA_W

ClientSampleId :

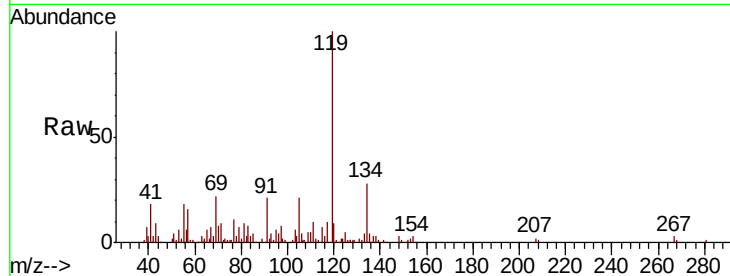
292

Tgt Ion:117 Resp: 1973

Ion Ratio Lower Upper

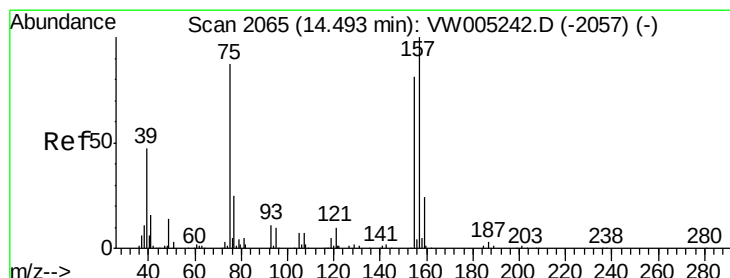
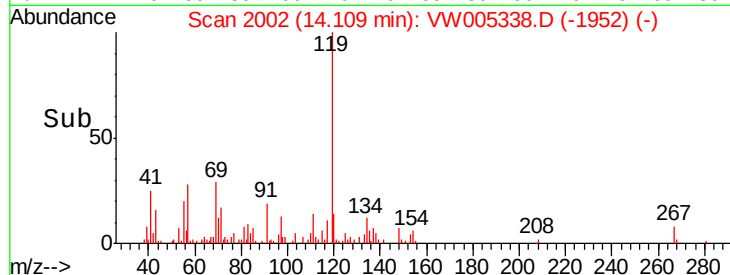
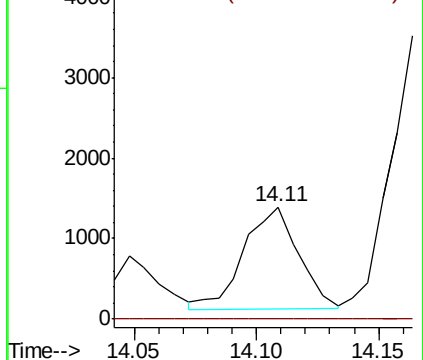
117 100

201 0.0 44.0 132.1#



Abundance Ion 116.80 (116.50 to 117.50): V

Ion 200.70 (200.40 to 201.40): V



#92

1,2-Dibromo-3-Chloropropane

Concen: 1.180 ug/l

RT: 14.50 min Scan# 2066

Delta R.T. 0.01 min

Lab File: VW005338.D

Acq: 12 Sep 2018 20:39

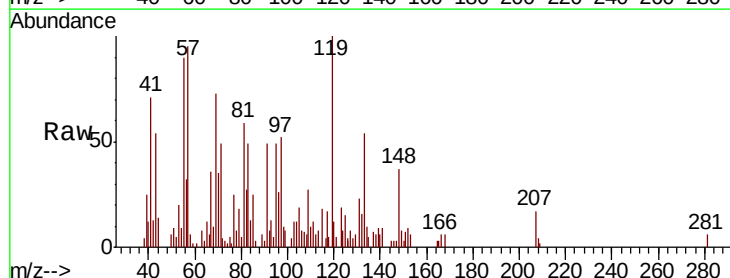
Tgt Ion: 75 Resp: 355

Ion Ratio Lower Upper

75 100

155 0.0 47.4 142.2#

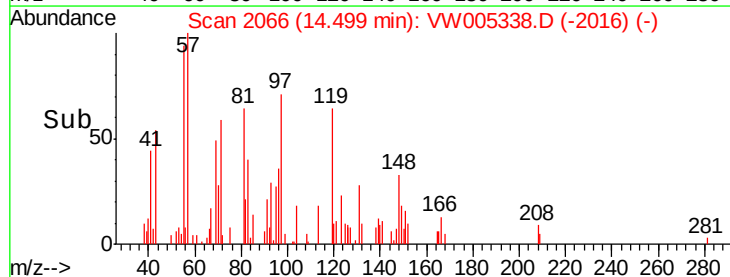
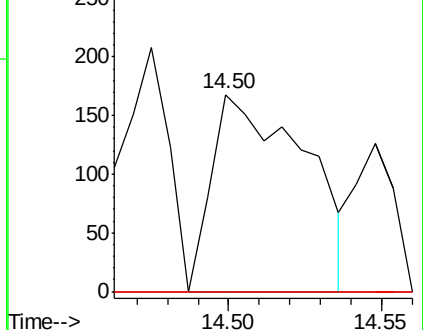
157 0.0 59.4 178.2#

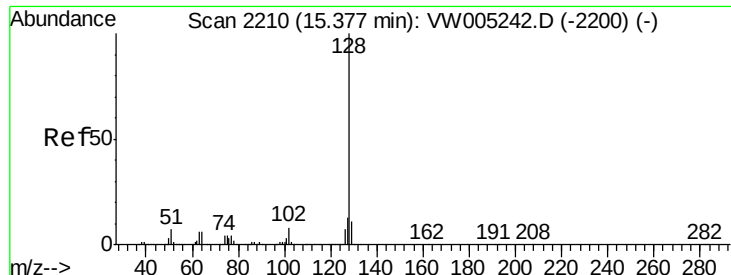


Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 154.80 (154.50 to 155.50): V

Ion 156.80 (156.50 to 157.50): V





#95
Naphthalene
Concen: 58.481 ug/l
RT: 15.38 min Scan# 2210
Delta R.T. -0.00 min
Lab File: VW005338.D
Acq: 12 Sep 2018 20:39

Instrument :
MSVOA_W
ClientSampleId :
292

Tgt Ion	Ratio	Lower	Upper
128	100		
127	13.4	10.3	15.5
129	11.0	8.8	13.2

