

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW091018\
 Data File : VW005247.D
 Acq On : 10 Sep 2018 18:21
 Operator : SY/AP
 Sample : VW0910SBL01
 Misc : 5.00G/5ML/MSVOA_W/SOIL
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0910SBL01

Quant Time: Sep 11 03:49:41 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	493964	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.85	114	746166	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.64	117	733688	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.57	152	371204	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	216835	58.85	ug/l	0.00
Spiked Amount			Recovery	=	117.70%	
35) Dibromofluoromethane	7.89	113	210339	53.81	ug/l	0.00
Spiked Amount			Recovery	=	107.62%	
50) Toluene-d8	10.33	98	993221	50.29	ug/l	0.00
Spiked Amount			Recovery	=	100.58%	
62) 4-Bromofluorobenzene	12.63	95	355348	49.19	ug/l	0.00
Spiked Amount			Recovery	=	98.38%	

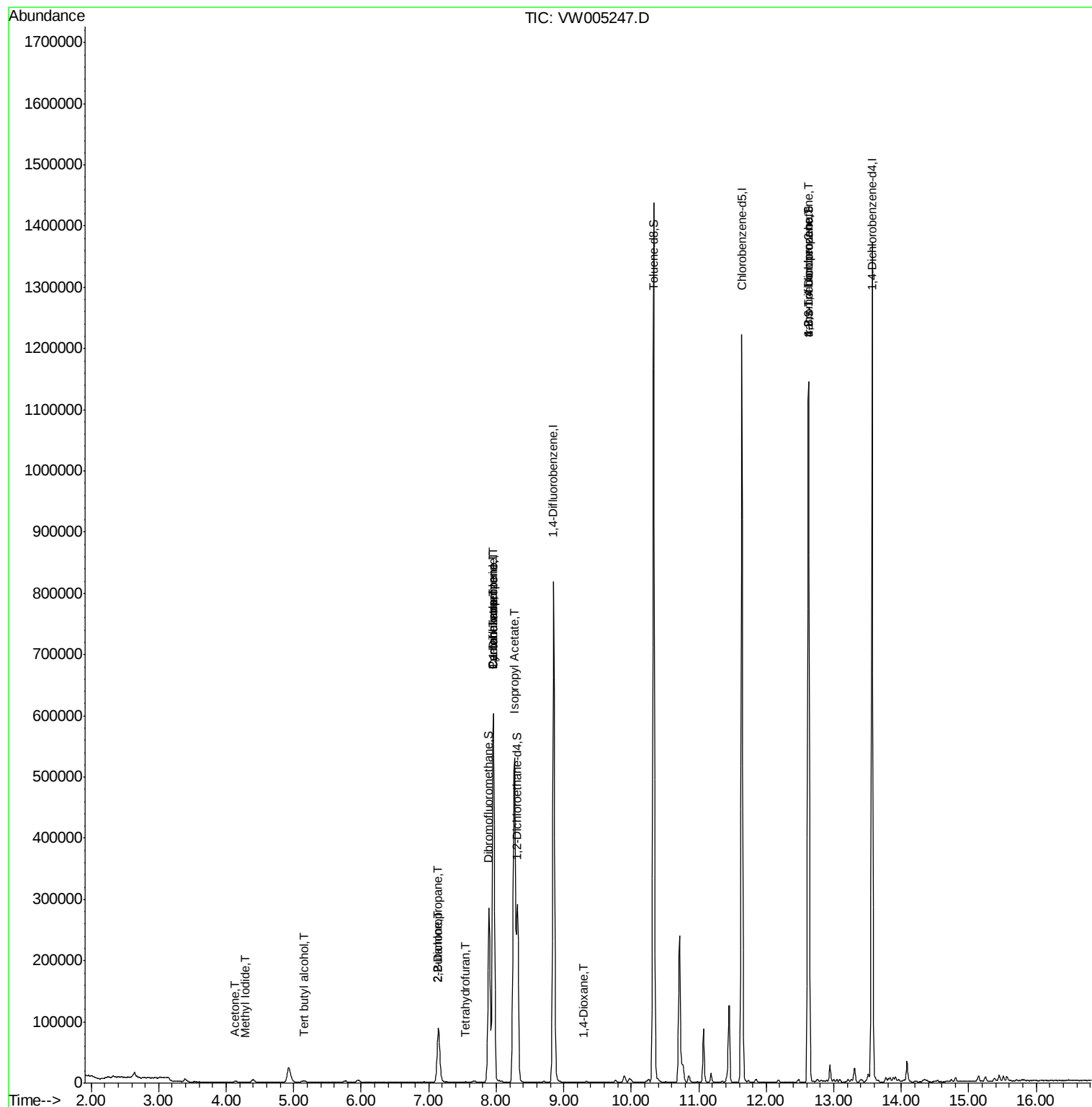
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
5) Bromomethane	2.76	94	239	Below Cal	#	3
10) Methyl Iodide	4.28	142	613	3.435	ug/l #	45
11) Tert butyl alcohol	5.15	59	3820	12.643	ug/l #	78
16) Acetone	4.14	43	4072	5.954	ug/l	93
25) 2-Butanone	7.14	43	4654	4.314	ug/l #	73
26) 2,2-Dichloropropane	7.15	77	6627	1.032	ug/l #	51
29) Tetrahydrofuran	7.54	42	865	1.190	ug/l #	66
31) Cyclohexane	7.96	56	8068	1.023	ug/l #	1
36) 1,1-Dichloropropene	7.96	75	32965	4.822	ug/l #	48
38) Carbon Tetrachloride	7.96	117	42716	6.670	ug/l #	16
43) Isopropyl Acetate	8.26	43	11035	2.285	ug/l #	33
49) 1,4-Dioxane	9.30	88	51	1.153	ug/l #	1
76) 1,2,3-Trichloropropane	12.63	75	163204	57.162	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.63	75	163204	134.057	ug/l #	16

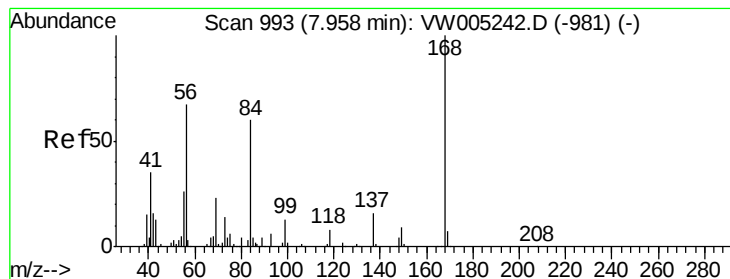
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA_W\DATA\VW091018\
Data File : VW005247.D
Acq On : 10 Sep 2018 18:21
Operator : SY/AP
Sample : VW0910SBL01
Misc : 5.00G/5ML/MSVOA_W/SOIL
ALS Vial : 14 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
VW0910SBL01

Quant Time: Sep 11 03:49:41 2018
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_W\METHOD\82W091018S.M
Quant Title : SW846 8260
QLast Update : Tue Sep 11 03:48:23 2018
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.96 min Scan# 993

Delta R.T. 0.00 min

Lab File: VW005247.D

Acq: 10 Sep 2018 18:21

Instrument :

MSVOA_W

ClientSampleId :

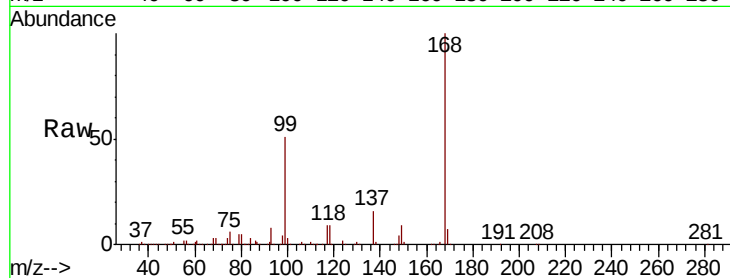
VW0910SBL01

Tgt Ion:168 Resp: 493964

Ion Ratio Lower Upper

168 100

99 51.1 39.1 58.7



Abundance Ion 167.90 (167.60 to 168.60): VW

Ion 98.90 (98.60 to 99.60): VW

7.96

250000

200000

150000

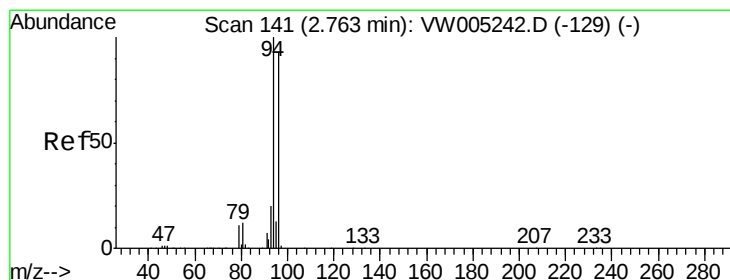
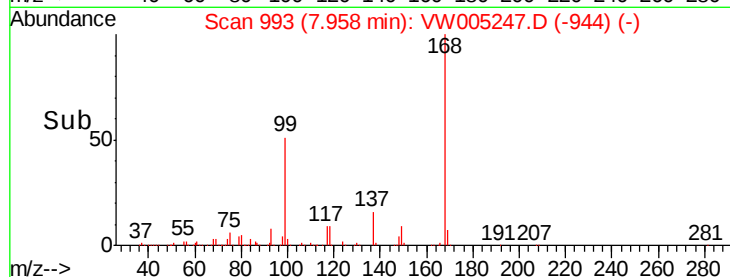
100000

50000

0

7.80 7.90 8.00 8.10 8.20

Time-->



#5

Bromomethane

Concen: Below Cal

RT: 2.76 min Scan# 141

Delta R.T. 0.00 min

Lab File: VW005247.D

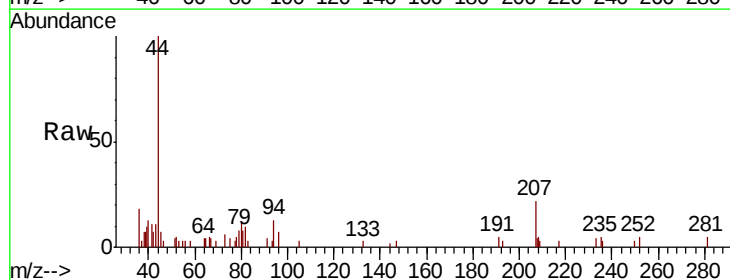
Acq: 10 Sep 2018 18:21

Tgt Ion: 94 Resp: 239

Ion Ratio Lower Upper

94 100

96 0.0 74.1 111.1#



Abundance Ion 93.90 (93.60 to 94.60): VW

Ion 95.90 (95.60 to 96.60): VW

2.76

300

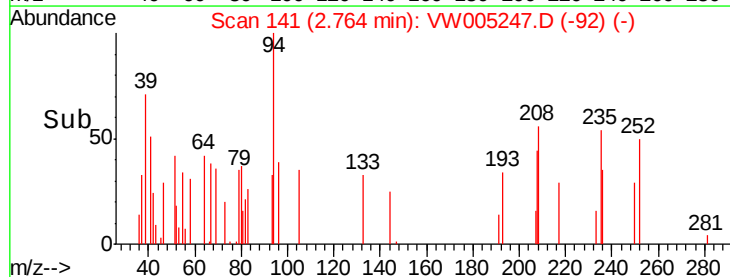
200

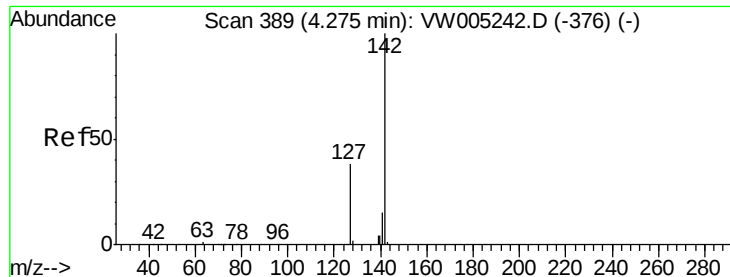
100

0

2.74 2.76 2.78

Time-->





#10

Methyl Iodide

Concen: 3.435 ug/l

RT: 4.28 min Scan# 390

Delta R.T. 0.01 min

Lab File: VW005247.D

Acq: 10 Sep 2018 18:21

Instrument :

MSVOA_W

ClientSampleId :

VW0910SBL01

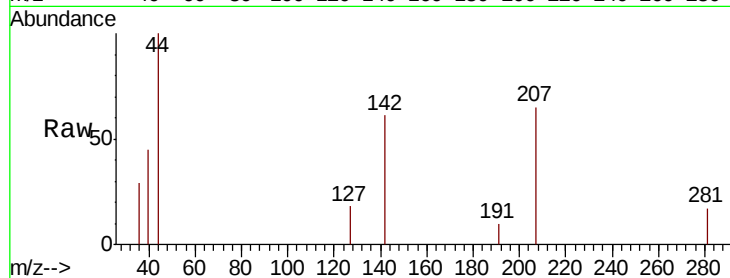
Tgt Ion:142 Resp: 613

Ion Ratio Lower Upper

142 100

127 0.0 30.3 45.5#

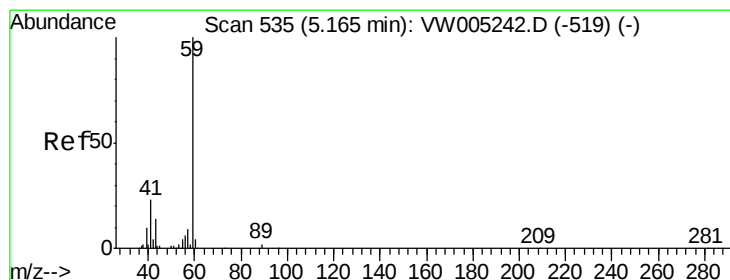
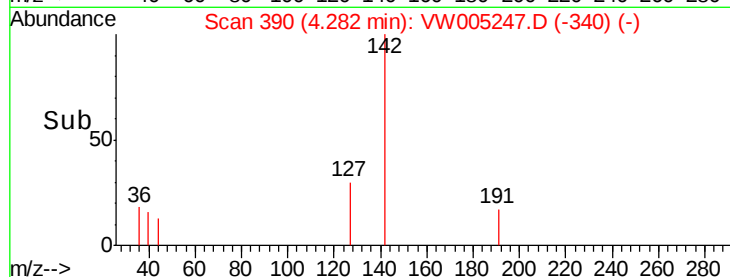
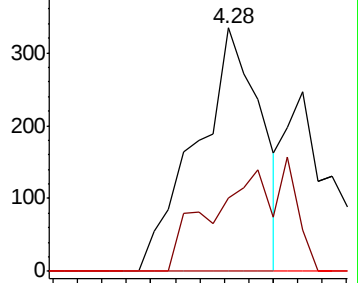
141 0.0 11.4 17.0#



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



#11

Tert butyl alcohol

Concen: 12.643 ug/l

RT: 5.15 min Scan# 532

Delta R.T. -0.02 min

Lab File: VW005247.D

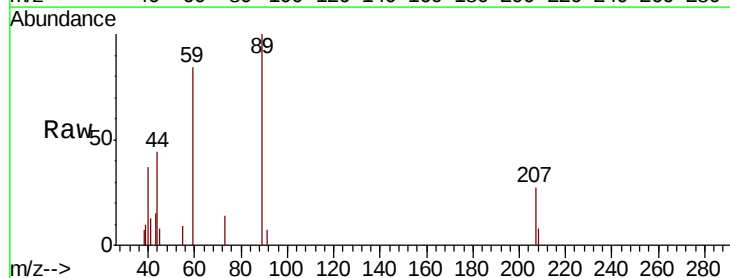
Acq: 10 Sep 2018 18:21

Tgt Ion: 59 Resp: 3820

Ion Ratio Lower Upper

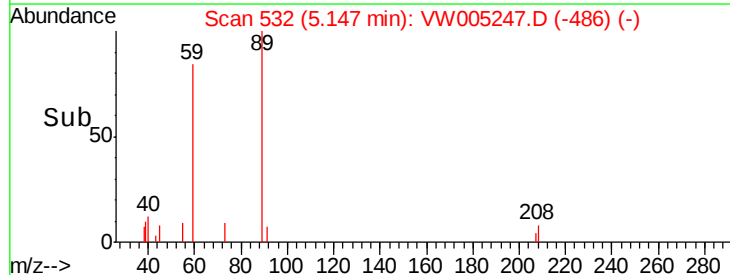
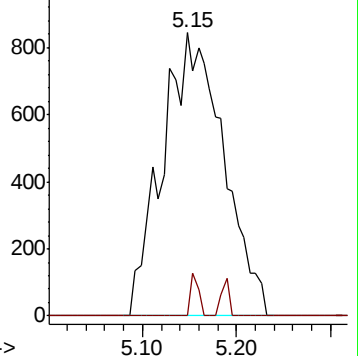
59 100

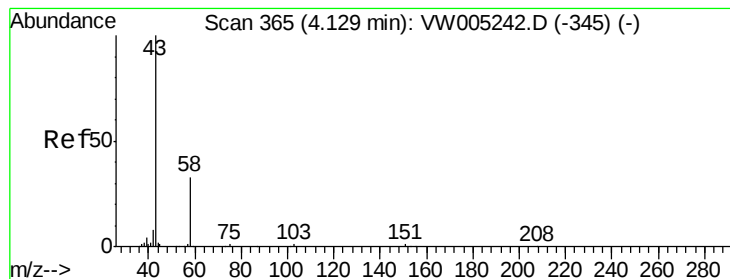
57 2.0 8.1 12.1#



Abundance Ion 59.00 (58.70 to 59.70): VW

Ion 57.00 (56.70 to 57.70): VW





#16

Acetone

Concen: 5.954 ug/l

RT: 4.14 min Scan# 366

Delta R.T. 0.01 min

Lab File: VW005247.D

Acq: 10 Sep 2018 18:21

Instrument :

MSVOA_W

ClientSampleId :

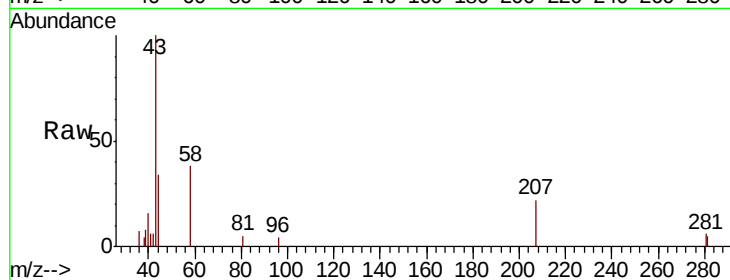
VW0910SBL01

Tgt Ion: 43 Resp: 4072

Ion Ratio Lower Upper

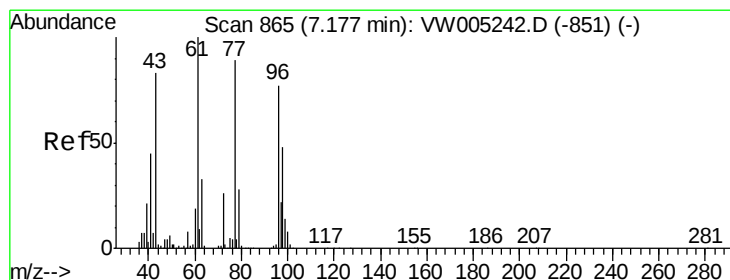
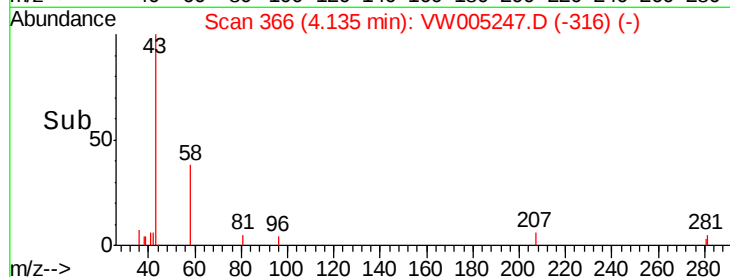
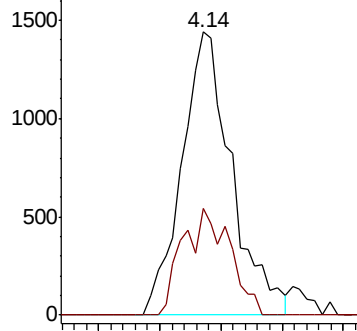
43 100

58 37.6 26.7 40.1



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW



#25

2-Butanone

Concen: 4.314 ug/l

RT: 7.14 min Scan# 859

Delta R.T. -0.04 min

Lab File: VW005247.D

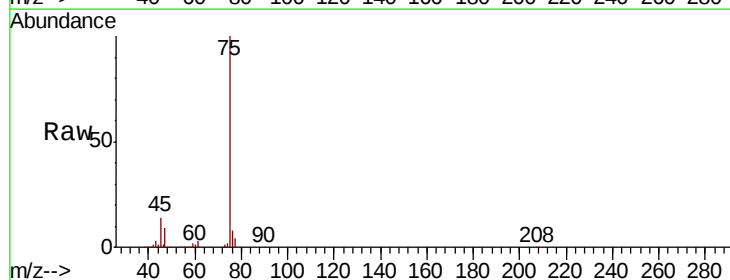
Acq: 10 Sep 2018 18:21

Tgt Ion: 43 Resp: 4654

Ion Ratio Lower Upper

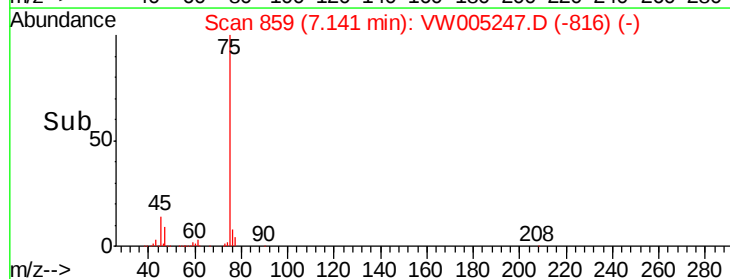
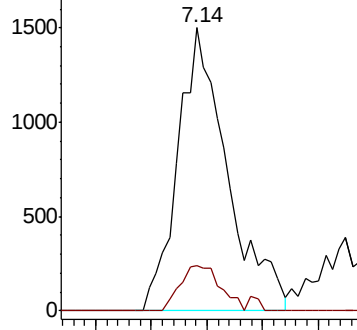
43 100

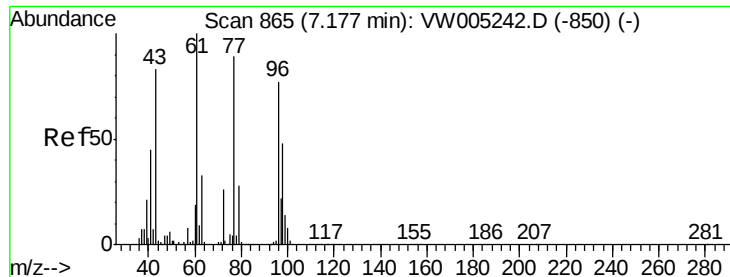
72 16.2 25.0 37.6#



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 72.00 (71.70 to 72.70): VW

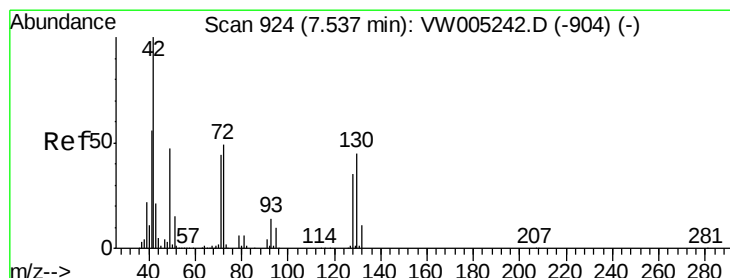
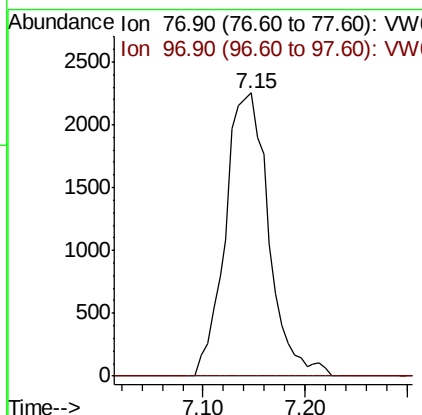
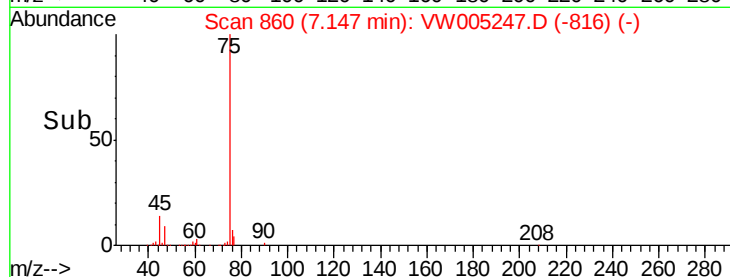
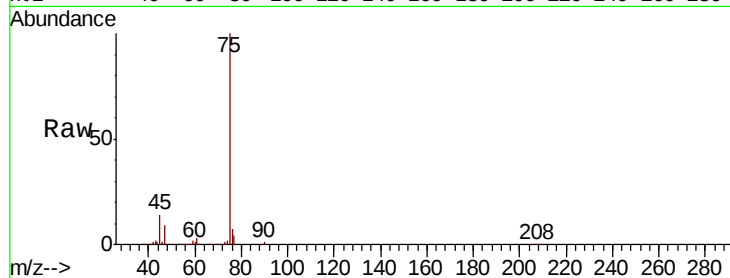




#26
 2,2-Dichloropropane
 Concen: 1.032 ug/l
 RT: 7.15 min Scan# 860
 Delta R.T. -0.03 min
 Lab File: VW005247.D
 Acq: 10 Sep 2018 18:21

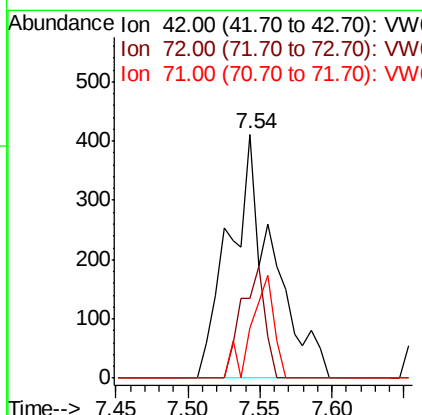
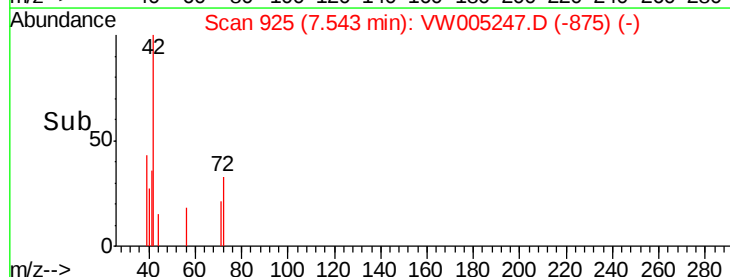
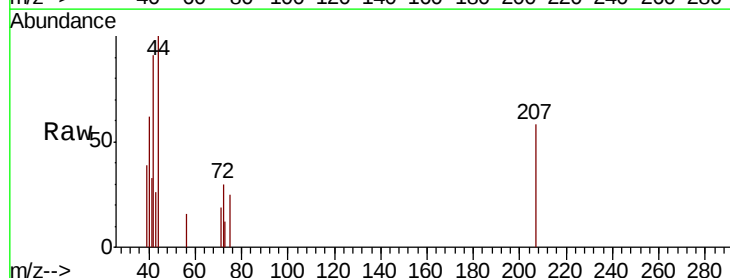
Instrument :
 MSVOA_W
 ClientSampleId :
 VW0910SBL01

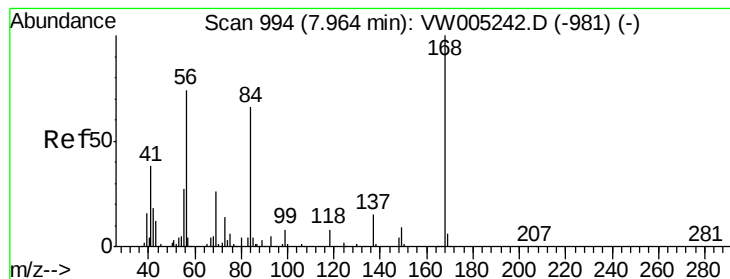
Tgt Ion: 77 Resp: 6627
 Ion Ratio Lower Upper
 77 100
 97 0.0 12.2 36.6#



#29
 Tetrahydrofuran
 Concen: 1.190 ug/l
 RT: 7.54 min Scan# 925
 Delta R.T. 0.01 min
 Lab File: VW005247.D
 Acq: 10 Sep 2018 18:21

Tgt Ion: 42 Resp: 865
 Ion Ratio Lower Upper
 42 100
 72 24.7 37.5 56.3#
 71 21.7 34.8 52.2#





#31

Cyclohexane

Concen: 1.023 ug/l

RT: 7.96 min Scan# 993

Delta R.T. -0.01 min

Lab File: VW005247.D

Acq: 10 Sep 2018 18:21

Instrument :

MSVOA_W

ClientSampleId :

VW0910SBL01

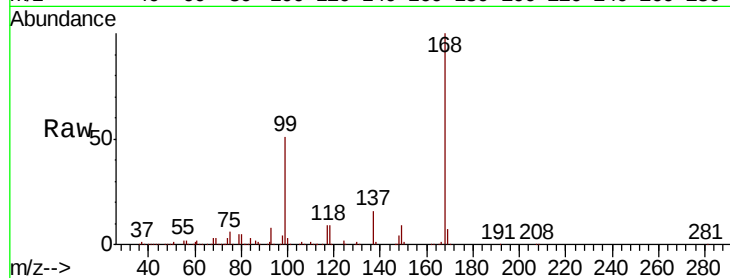
Tgt Ion: 56 Resp: 8068

Ion Ratio Lower Upper

56 100

69 224.3 27.8 41.8#

84 187.6 72.1 108.1#

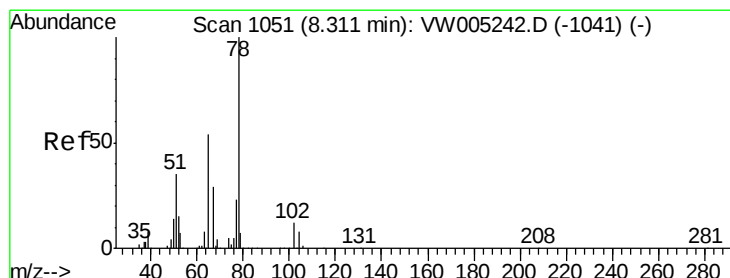
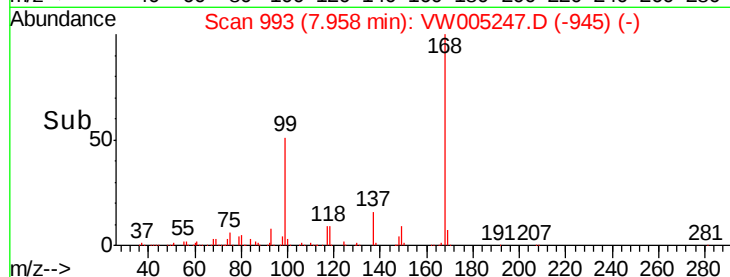
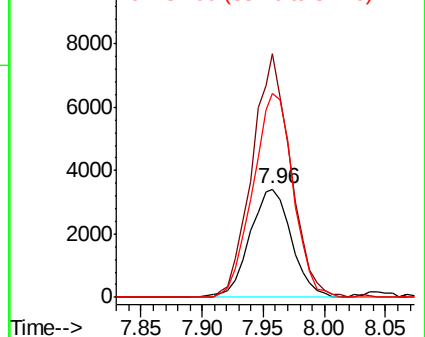


Abundance

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: 58.854 ug/l

RT: 8.31 min Scan# 1051

Delta R.T. 0.00 min

Lab File: VW005247.D

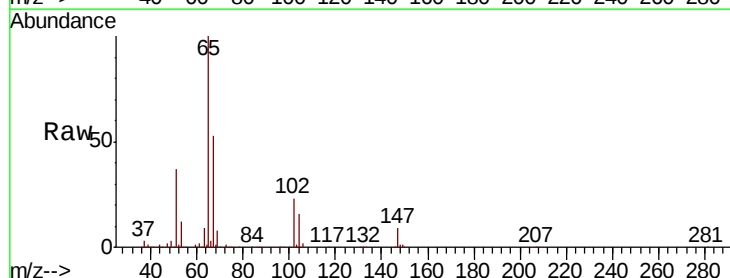
Acq: 10 Sep 2018 18:21

Tgt Ion: 65 Resp: 216835

Ion Ratio Lower Upper

65 100

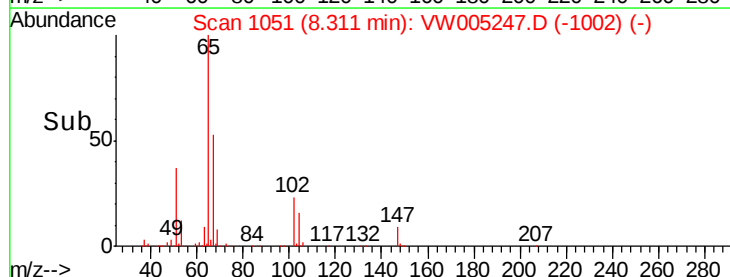
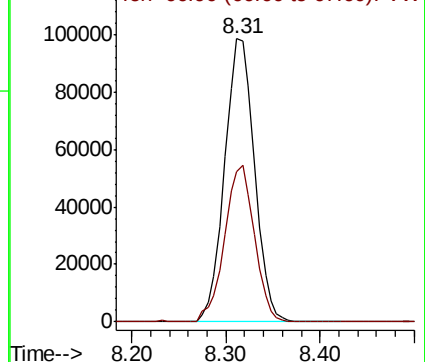
67 55.3 0.0 112.2

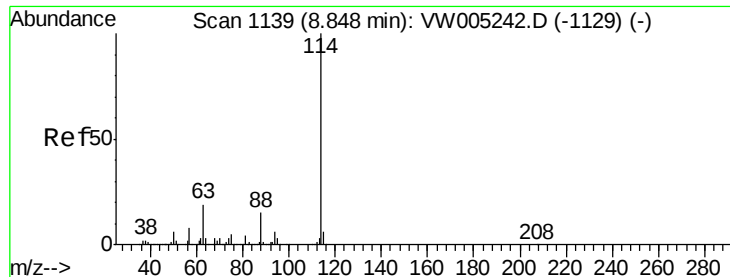


Abundance

Ion 64.90 (64.60 to 65.60): VW

Ion 66.90 (66.60 to 67.60): VW

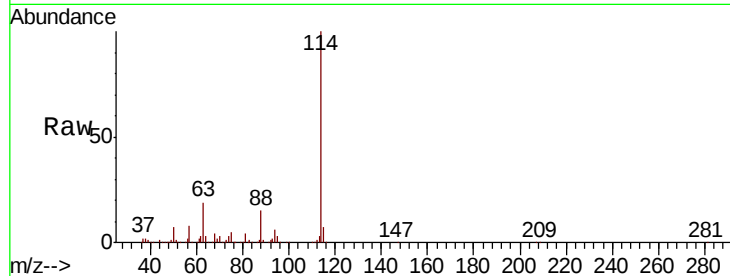




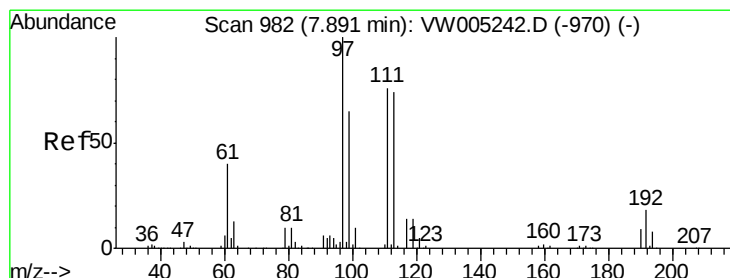
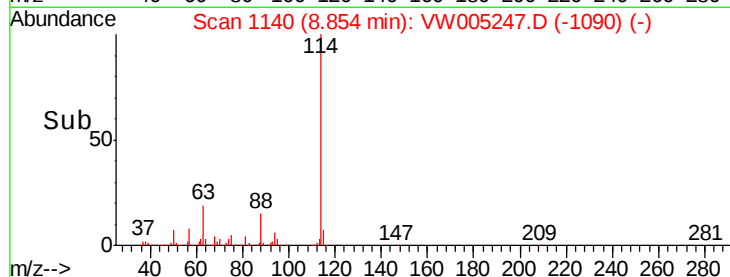
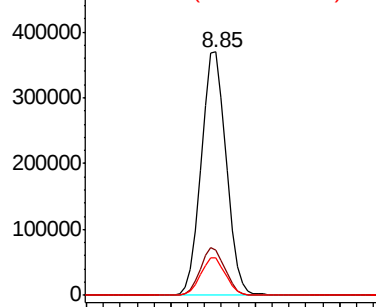
#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.85 min Scan# 1140
 Delta R.T. 0.01 min
 Lab File: VW005247.D
 Acq: 10 Sep 2018 18:21

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0910SBL01

Tgt Ion:114 Resp: 746166
 Ion Ratio Lower Upper
 114 100
 63 18.7 0.0 37.0
 88 15.2 0.0 30.4

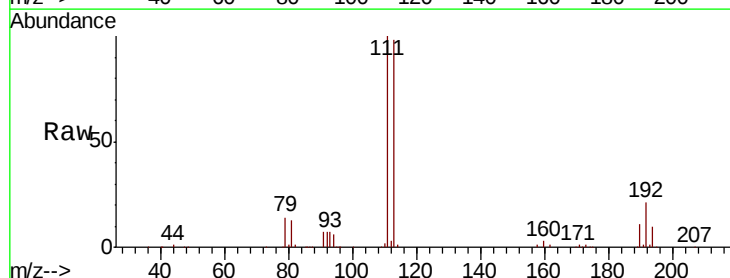


Abundance Ion 113.90 (113.60 to 114.60): V
 Ion 63.00 (62.70 to 63.70): VW
 Ion 87.90 (87.60 to 88.60): VW

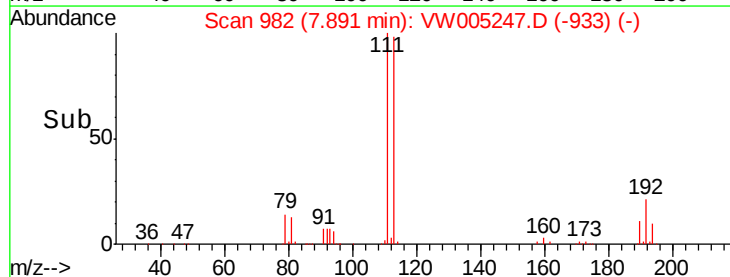
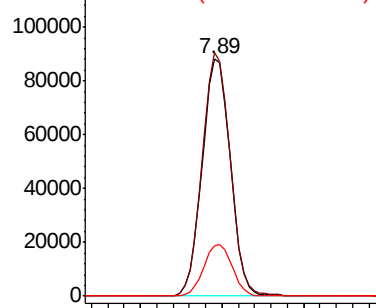


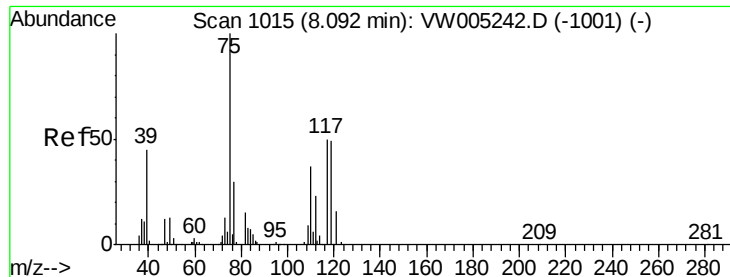
#35
 Dibromofluoromethane
 Concen: 53.813 ug/l
 RT: 7.89 min Scan# 982
 Delta R.T. 0.00 min
 Lab File: VW005247.D
 Acq: 10 Sep 2018 18:21

Tgt Ion:113 Resp: 210339
 Ion Ratio Lower Upper
 113 100
 111 101.6 80.6 121.0
 192 21.8 18.3 27.5



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

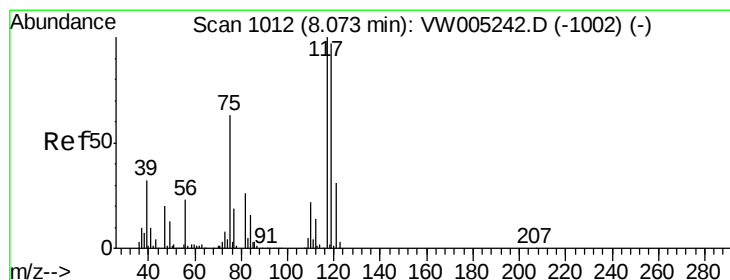
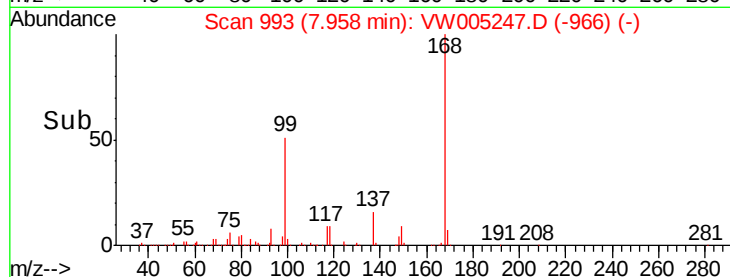
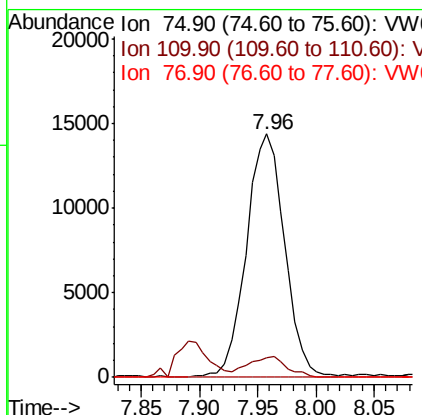
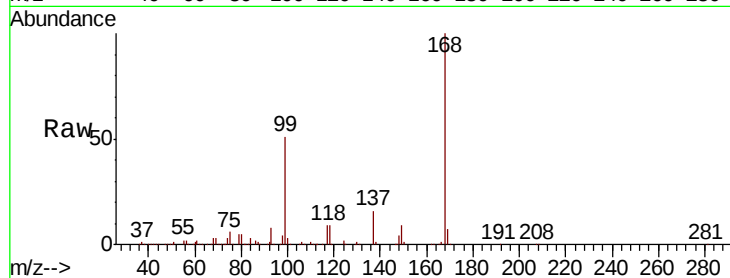




#36
 1,1-Dichloropropene
 Concen: 4.822 ug/l
 RT: 7.96 min Scan# 993
 Delta R.T. -0.13 min
 Lab File: VW005247.D
 Acq: 10 Sep 2018 18:21

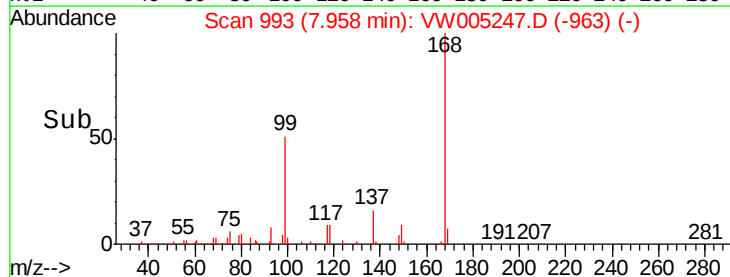
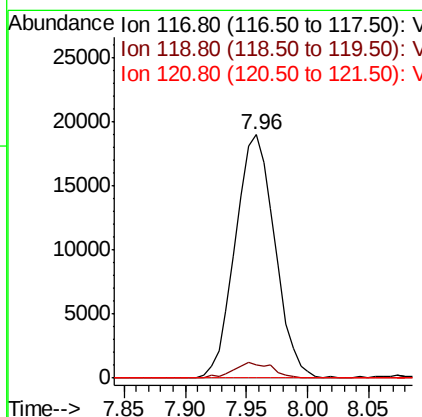
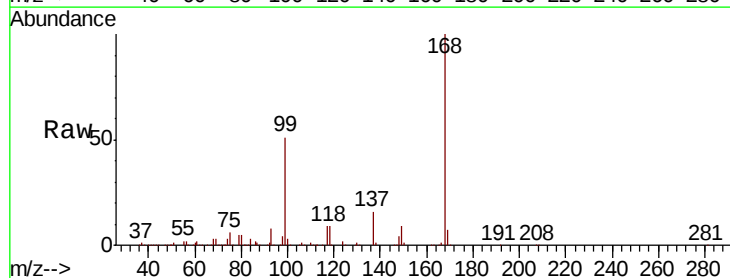
Instrument :
 MSVOA_W
 ClientSampleId :
 VW0910SBL01

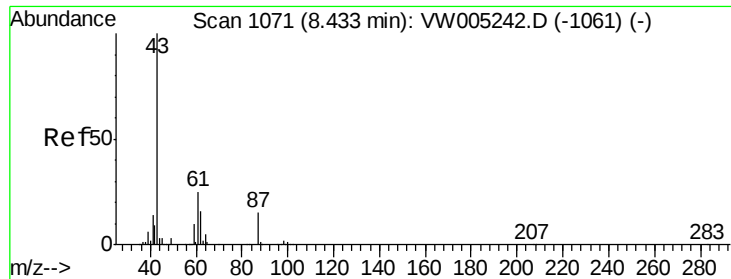
Tgt Ion	Ratio	Lower	Upper
75	100		
110	8.6	18.8	56.4#
77	0.0	24.9	37.3#



#38
 Carbon Tetrachloride
 Concen: 6.670 ug/l
 RT: 7.96 min Scan# 993
 Delta R.T. -0.12 min
 Lab File: VW005247.D
 Acq: 10 Sep 2018 18:21

Tgt Ion	Ratio	Lower	Upper
117	100		
119	5.7	77.5	116.3#
121	0.0	24.7	37.1#





#43

Isopropyl Acetate

Concen: 2.285 ug/l

RT: 8.26 min Scan# 1043

Delta R.T. -0.17 min

Lab File: VW005247.D

Acq: 10 Sep 2018 18:21

Instrument :

MSVOA_W

ClientSampleId :

VW0910SBL01

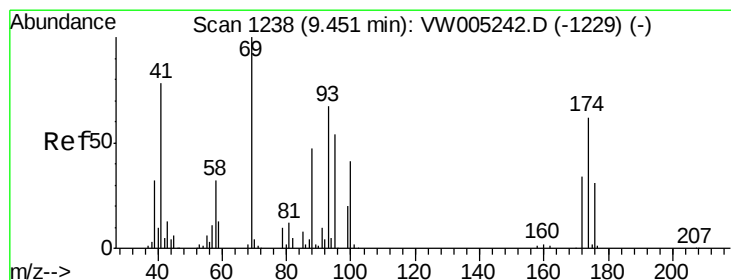
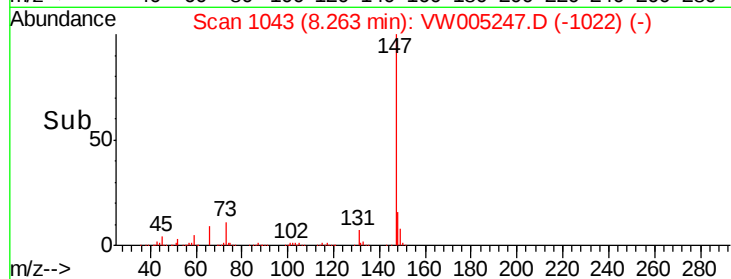
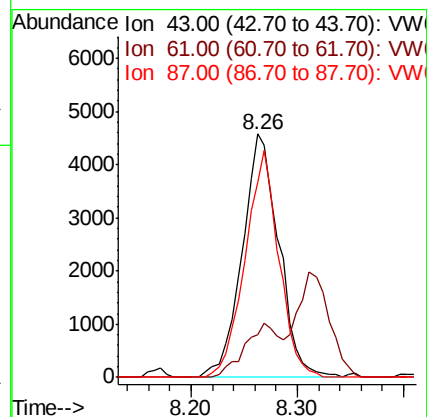
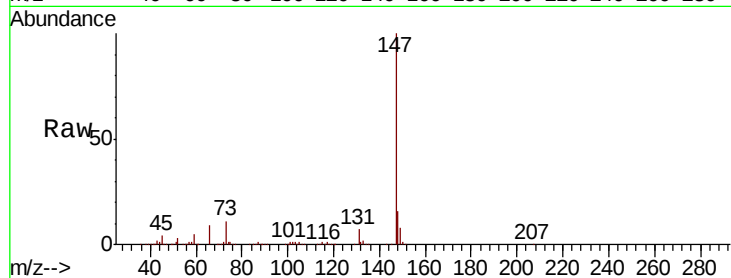
Tgt Ion: 43 Resp: 11035

Ion Ratio Lower Upper

43 100

61 21.4 25.4 38.0#

87 85.9 11.9 17.9#



#49

1,4-Dioxane

Concen: 1.153 ug/l

RT: 9.30 min Scan# 1213

Delta R.T. -0.15 min

Lab File: VW005247.D

Acq: 10 Sep 2018 18:21

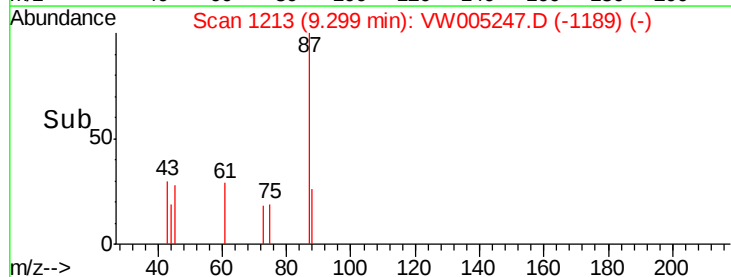
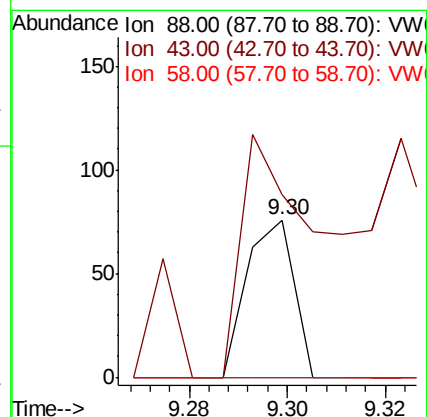
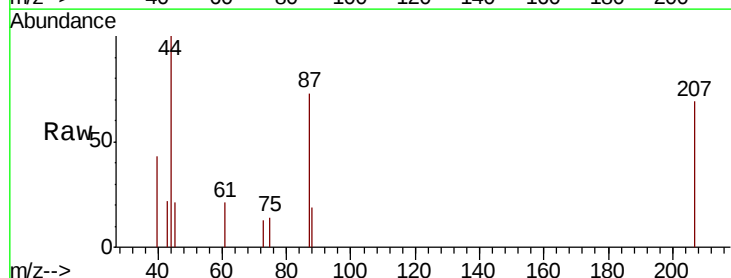
Tgt Ion: 88 Resp: 51

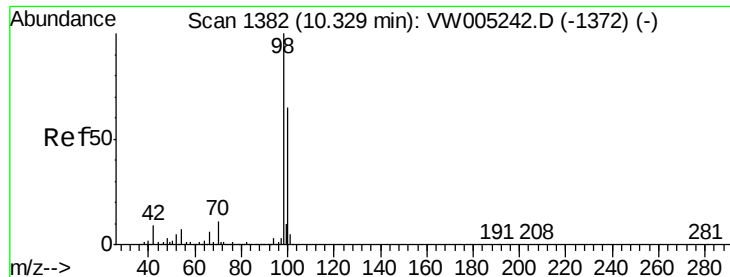
Ion Ratio Lower Upper

88 100

43 247.1 22.7 34.1#

58 0.0 56.6 85.0#





#50

Toluene-d8

Concen: 50.287 ug/l

RT: 10.33 min Scan# 1382

Delta R.T. 0.00 min

Lab File: VW005247.D

Acq: 10 Sep 2018 18:21

Instrument :

MSVOA_W

ClientSampleId :

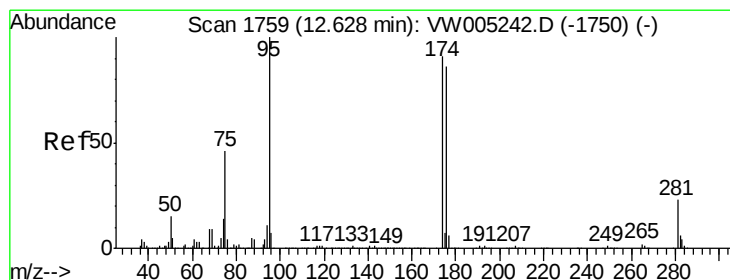
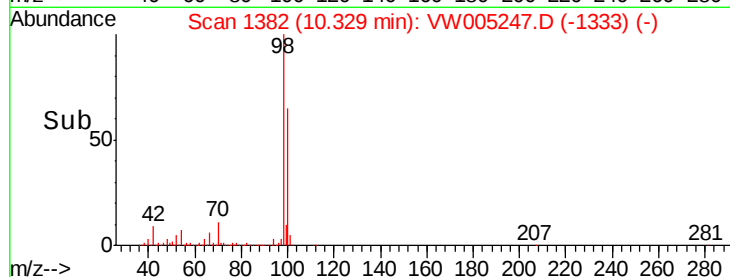
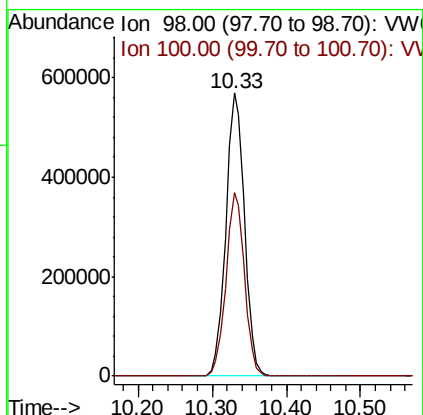
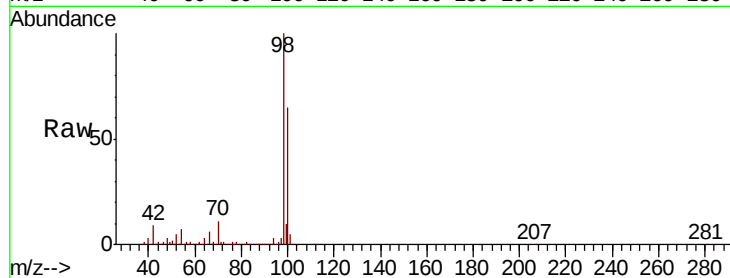
VW0910SBL01

Tgt Ion: 98 Resp: 993221

Ion Ratio Lower Upper

98 100

100 64.4 52.0 78.0



#62

4-Bromofluorobenzene

Concen: 49.187 ug/l

RT: 12.63 min Scan# 1759

Delta R.T. 0.00 min

Lab File: VW005247.D

Acq: 10 Sep 2018 18:21

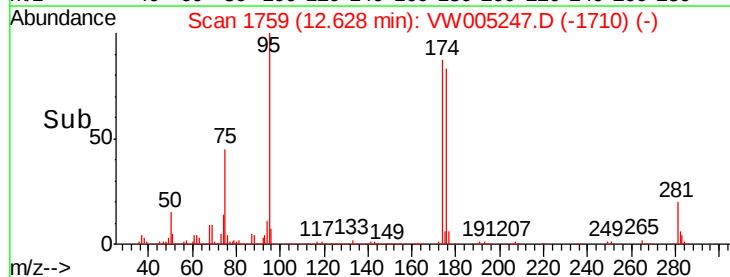
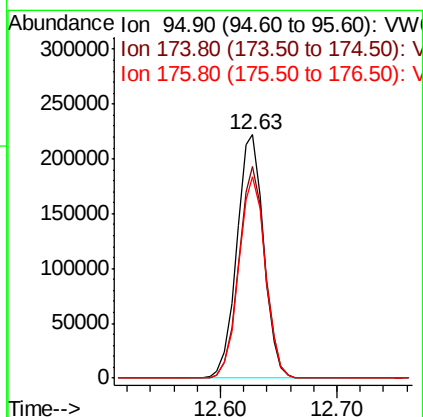
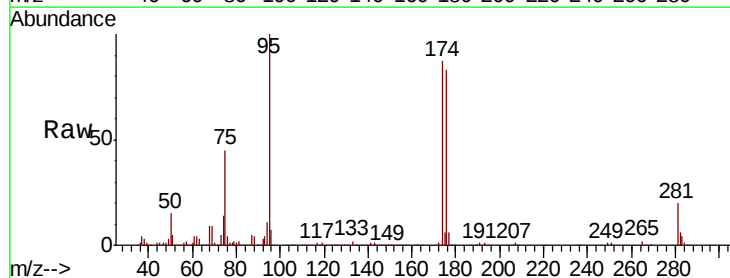
Tgt Ion: 95 Resp: 355348

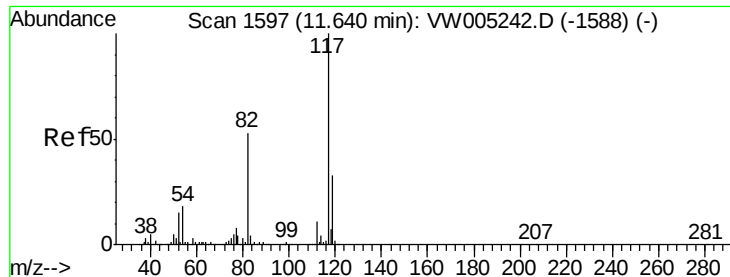
Ion Ratio Lower Upper

95 100

174 85.7 0.0 174.6

176 82.4 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: VW005247.D

Acq: 10 Sep 2018 18:21

Instrument :

MSVOA_W

ClientSampleId :

VW0910SBL01

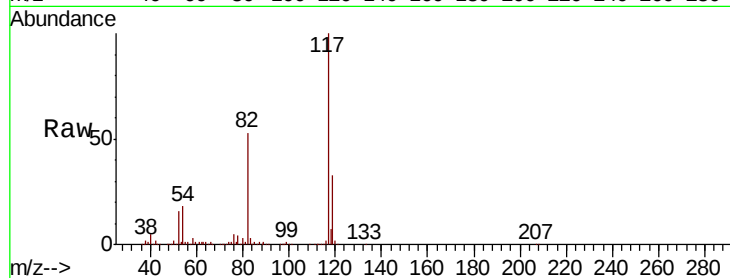
Tgt Ion:117 Resp: 733688

Ion Ratio Lower Upper

117 100

82 53.2 42.6 63.8

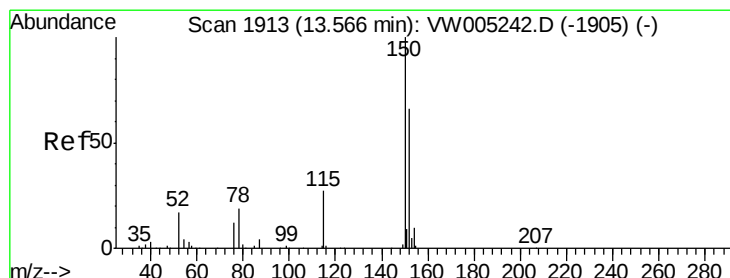
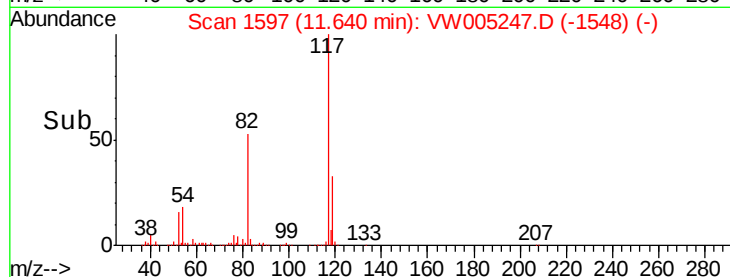
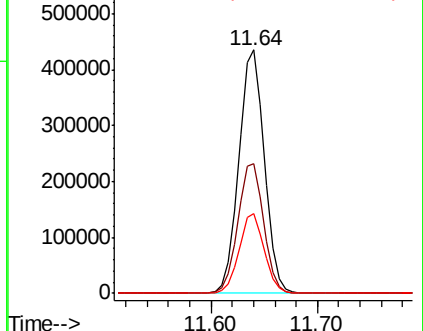
119 32.6 26.2 39.4



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: VW005247.D

Acq: 10 Sep 2018 18:21

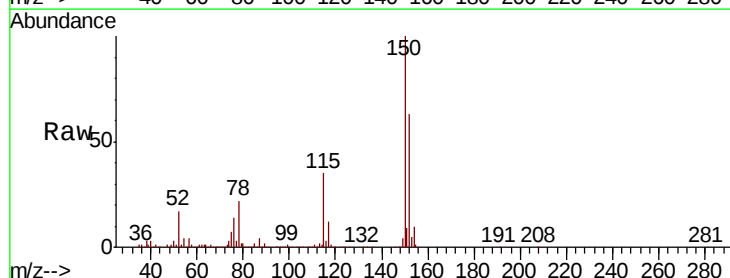
Tgt Ion:152 Resp: 371204

Ion Ratio Lower Upper

152 100

115 56.4 27.5 82.4

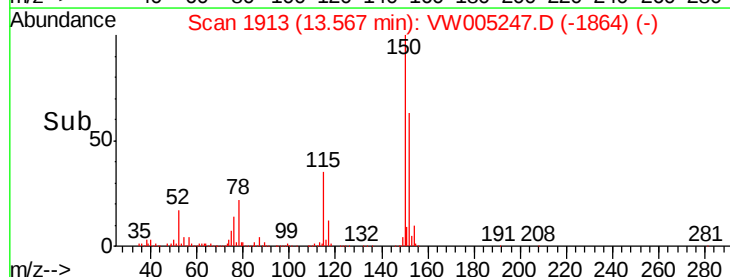
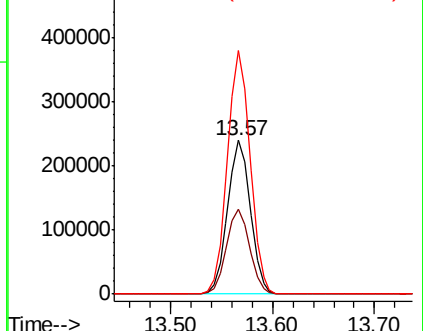
150 157.5 0.0 347.4

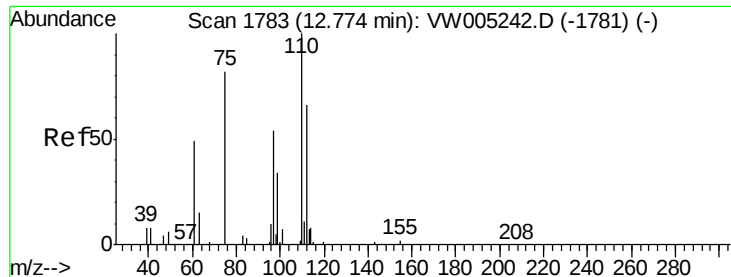


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#76

1,2,3-Trichloropropane

Concen: 57.162 ug/l

RT: 12.63 min Scan# 1759

Delta R.T. -0.15 min

Lab File: VW005247.D

Acq: 10 Sep 2018 18:21

Instrument :

MSVOA_W

ClientSampleId :

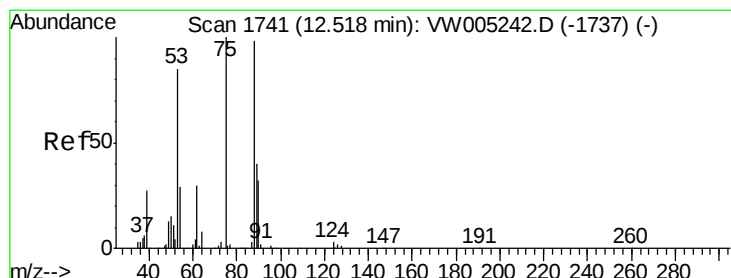
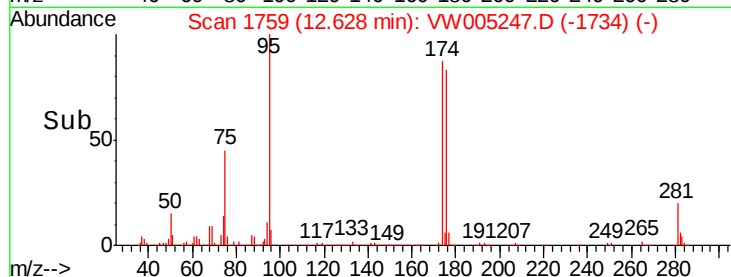
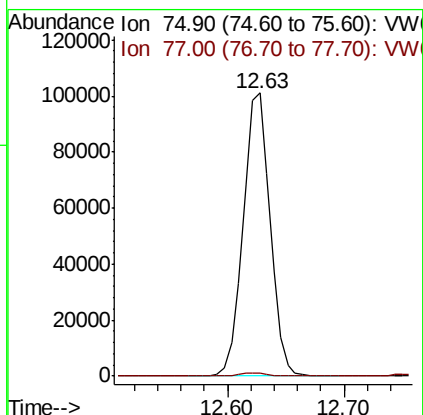
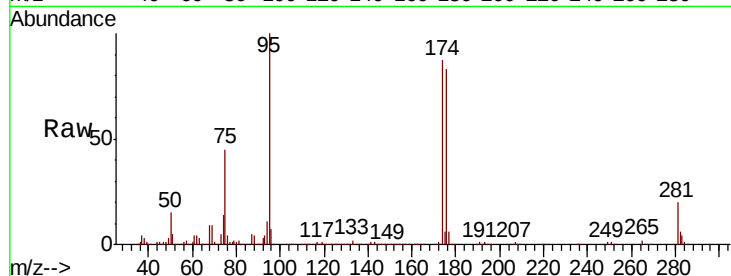
VW0910SBL01

Tgt Ion: 75 Resp: 163204

Ion Ratio Lower Upper

75 100

77 1.4 0.0 0.0#



#81

trans-1,4-Dichloro-2-butene

Concen: 134.057 ug/l

RT: 12.63 min Scan# 1759

Delta R.T. 0.11 min

Lab File: VW005247.D

Acq: 10 Sep 2018 18:21

Tgt Ion: 75 Resp: 163204

Ion Ratio Lower Upper

75 100

53 0.1 67.0 100.6#

89 0.4 37.0 55.4#

