

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW092418\
 Data File : VW005592.D
 Acq On : 24 Sep 2018 18:22
 Operator : VA/AP
 Sample : J4770-11
 Misc : 5.88G/5ML/MSVOA W/SOIL
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 JC-02-092118-F

Quant Time: Sep 25 04:58:30 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W092118S.M
 Quant Title : SW846 8260
 QLast Update : Fri Sep 21 09:05:42 2018
 Response via : Initial Calibration

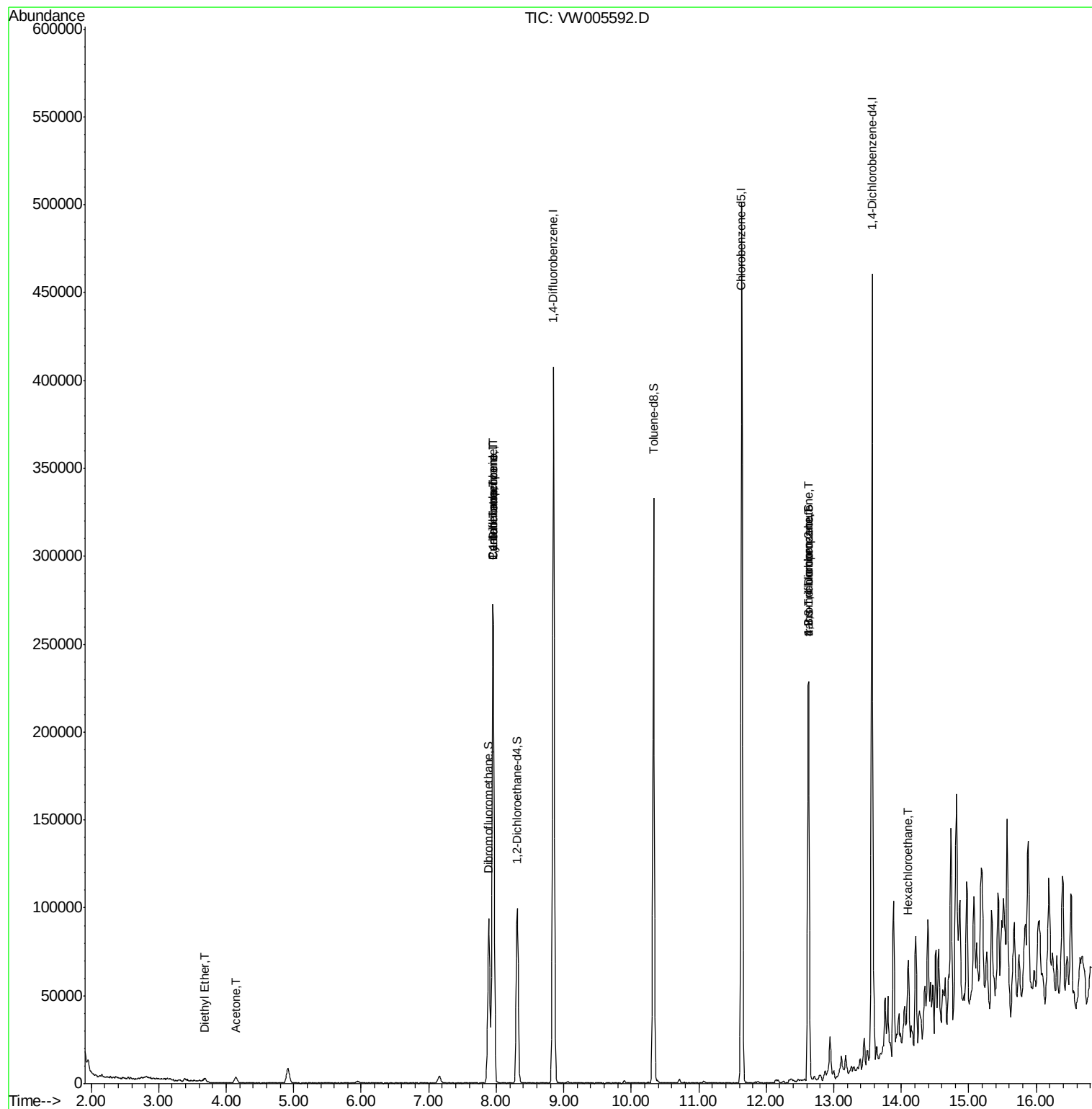
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	197905	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.85	114	324259	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.64	117	279810	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.57	152	114979	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.31	65	83508	35.82	ug/l	0.00
Spiked Amount 50.000			Recovery	=	71.64%	
35) Dibromofluoromethane	7.89	113	65189	31.97	ug/l	0.00
Spiked Amount 50.000			Recovery	=	63.94%	
50) Toluene-d8	10.33	98	216168	26.04	ug/l	0.00
Spiked Amount 50.000			Recovery	=	52.08%	
62) 4-Bromofluorobenzene	12.63	95	71124	23.15	ug/l	0.00
Spiked Amount 50.000			Recovery	=	46.30%	
Target Compounds						
8) Diethyl Ether	3.68	74	1544	1.589	ug/l	98
11) Tert butyl alcohol	5.20	59	68	Below Cal	#	72
16) Acetone	4.14	43	6129	7.571	ug/l	93
20) Methylene Chloride	4.91	84	6711	Below Cal		96
31) Cyclohexane	7.95	56	4545	1.257	ug/l #	30
36) 1,1-Dichloropropene	7.95	75	15087	4.622	ug/l #	51
38) Carbon Tetrachloride	7.95	117	20259	5.792	ug/l #	16
76) 1,2,3-Trichloropropane	12.62	75	37916	38.685	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.62	75	37916	87.131	ug/l #	7
90) Hexachloroethane	14.11	117	2280	1.661	ug/l #	7

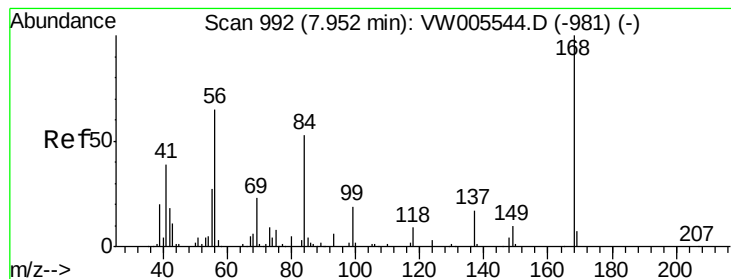
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
QLast Update : Fri Sep 21 09:05:42 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: VW005592.D

Acq: 24 Sep 2018 18:22

Instrument :

MSVOA_W

ClientSampleId :

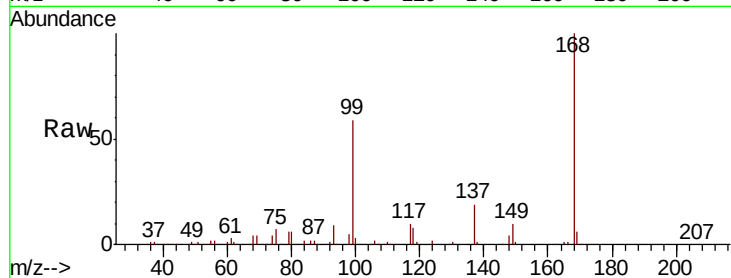
JC-02-092118-F

Tot Ion:168 Resp: 197905

Ion Ratio Lower Upper

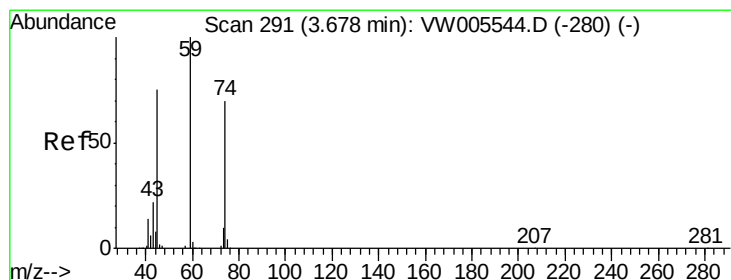
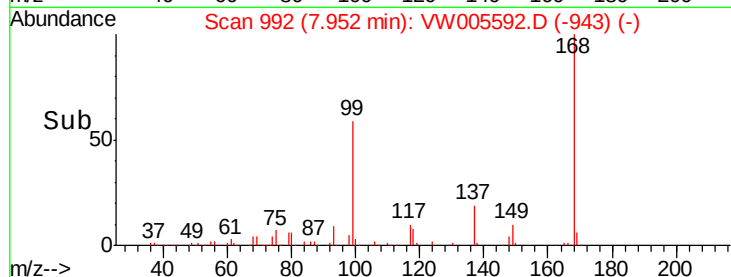
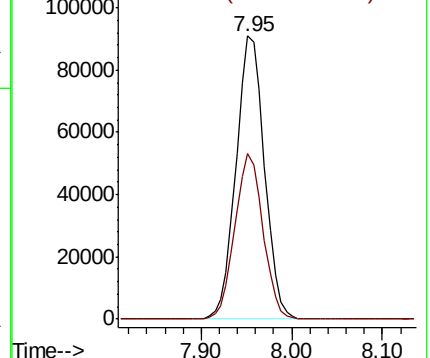
168 100

99 58.5 48.4 72.6



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW



#8

Diethyl Ether

Concen: 1.589 ug/l

RT: 3.68 min Scan# 291

Delta R.T. 0.00 min

Lab File: VW005592.D

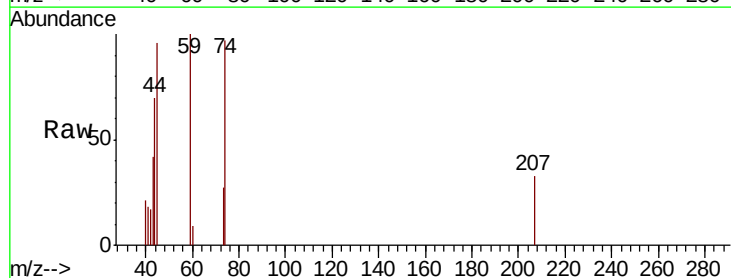
Acq: 24 Sep 2018 18:22

Tgt Ion: 74 Resp: 1544

Ion Ratio Lower Upper

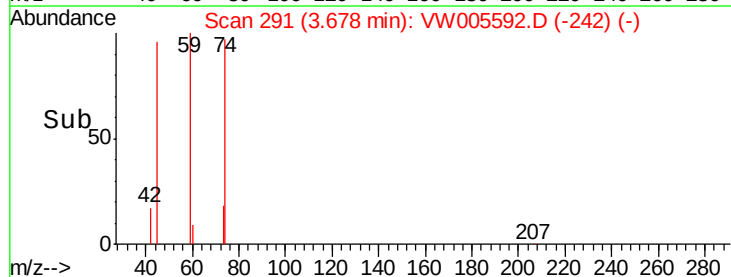
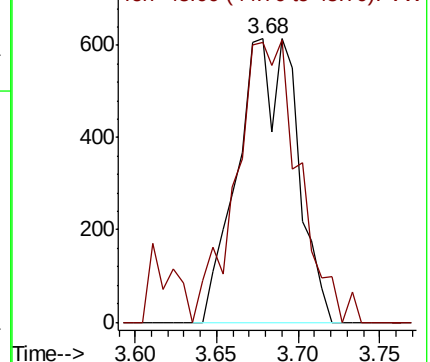
74 100

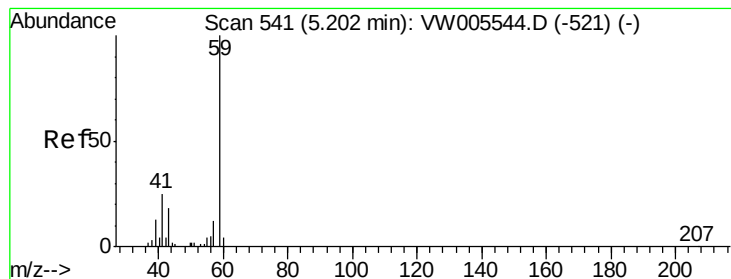
45 106.0 51.7 155.2



Abundance Ion 74.00 (73.70 to 74.70): VW

Ion 45.00 (44.70 to 45.70): VW



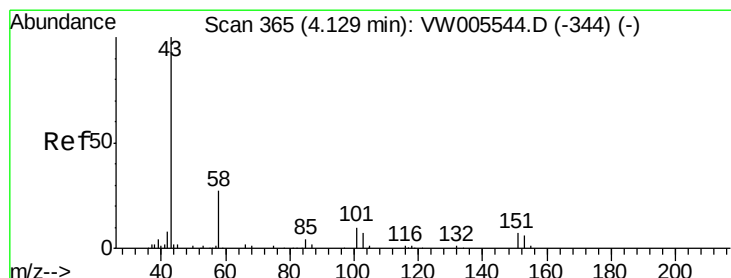
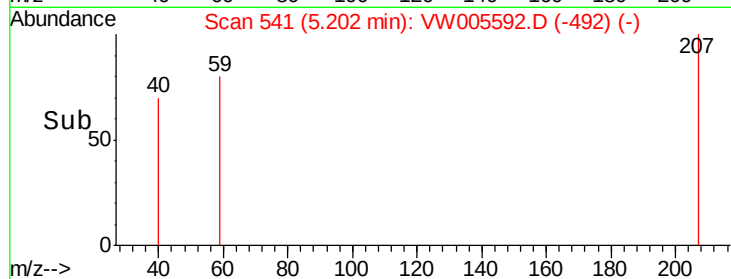
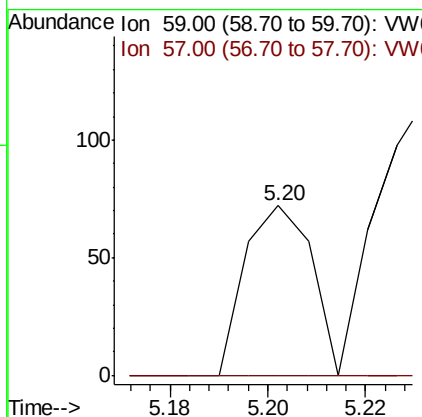
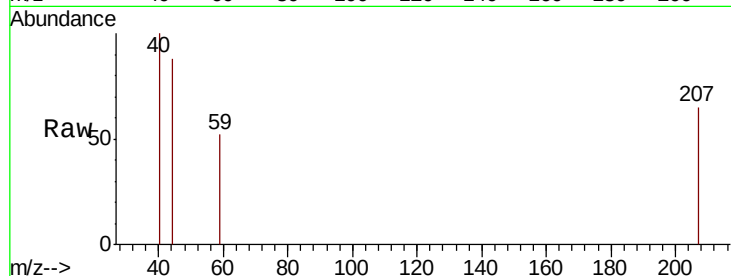


#11

Tert butyl alcohol
 Concen: Below Cal
 RT: 5.20 min Scan# 541
 Delta R.T. 0.00 min
 Lab File: VW005592.D
 Acq: 24 Sep 2018 18:22

Instrument :
 MSVOA_W
 ClientSampleId :
 JC-02-092118-F

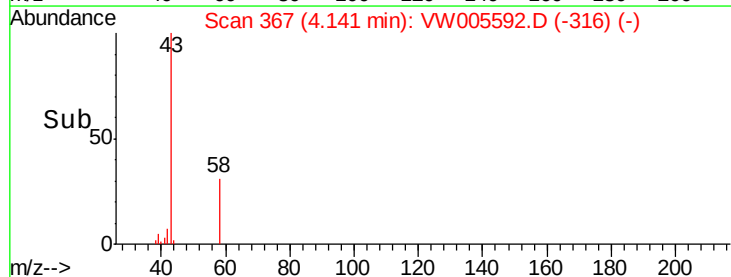
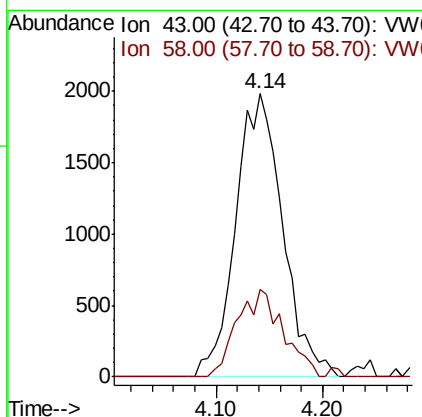
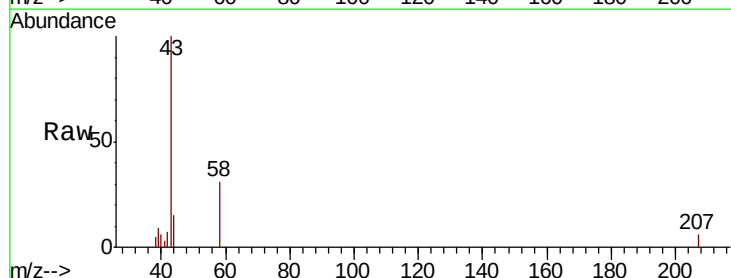
Tot Ion: 59 Resp: 68
 Ion Ratio Lower Upper
 59 100
 57 0.0 8.3 12.5#

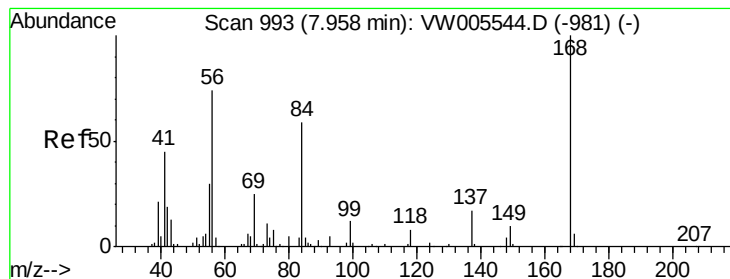


#16

Acetone
 Concen: 7.571 ug/l
 RT: 4.14 min Scan# 367
 Delta R.T. 0.01 min
 Lab File: VW005592.D
 Acq: 24 Sep 2018 18:22

Tgt Ion: 43 Resp: 6129
 Ion Ratio Lower Upper
 43 100
 58 30.8 21.8 32.8





#31

Cyclohexane

Concen: 1.257 ug/l

RT: 7.95 min Scan# 991

Delta R.T. -0.01 min

Lab File: VW005592.D

Acq: 24 Sep 2018 18:22

Instrument :

MSVOA_W

ClientSampleId :

JC-02-092118-F

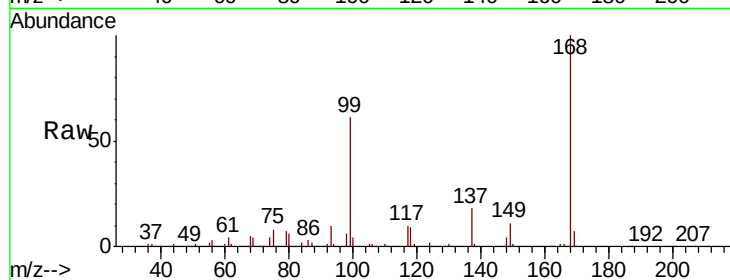
Tot Ion: 56 Resp: 4545

Ion Ratio Lower Upper

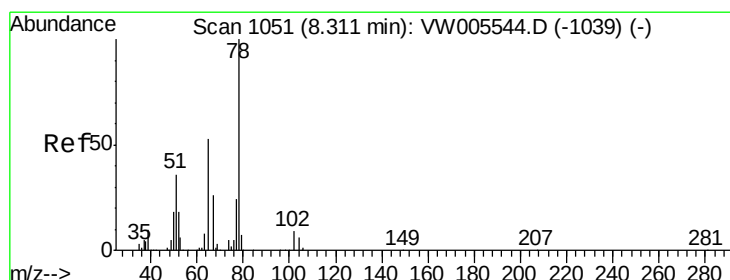
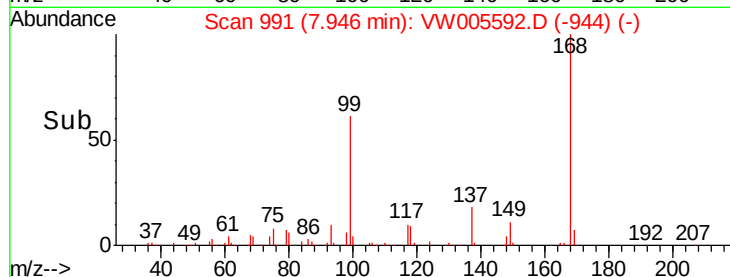
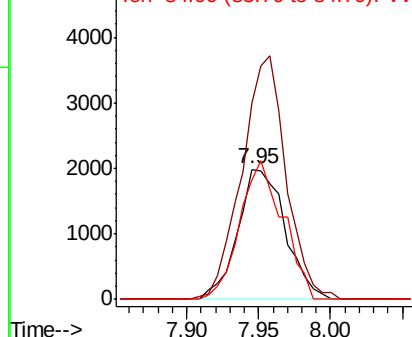
56 100

69 151.1 27.0 40.4#

84 91.6 64.2 96.4



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: 35.818 ug/l

RT: 8.31 min Scan# 1051

Delta R.T. 0.00 min

Lab File: VW005592.D

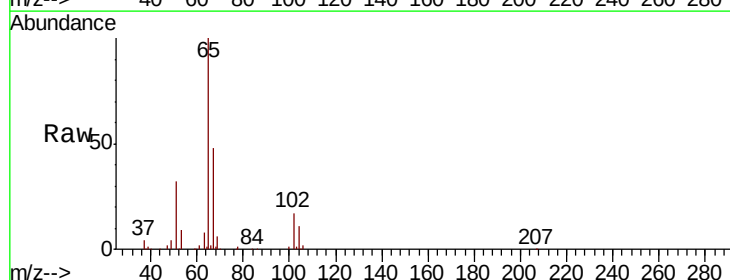
Acq: 24 Sep 2018 18:22

Tgt Ion: 65 Resp: 83508

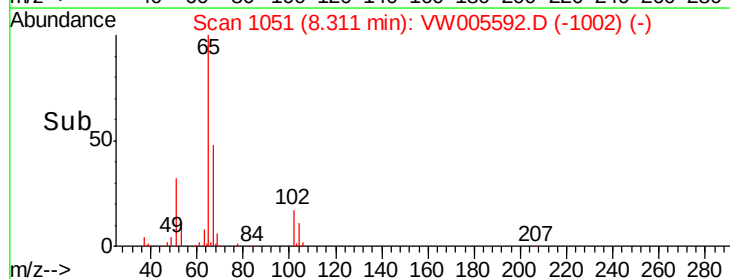
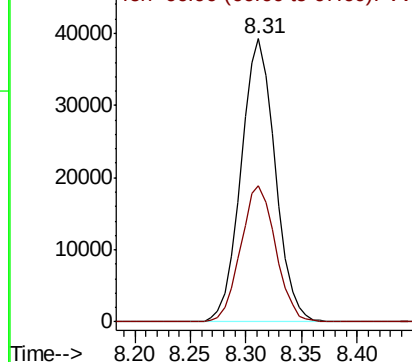
Ion Ratio Lower Upper

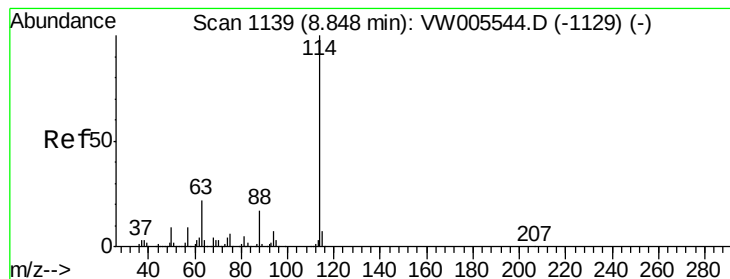
65 100

67 49.2 0.0 100.6



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: VW005592.D

Acq: 24 Sep 2018 18:22

Instrument :

MSVOA_W

ClientSampleId :

JC-02-092118-F

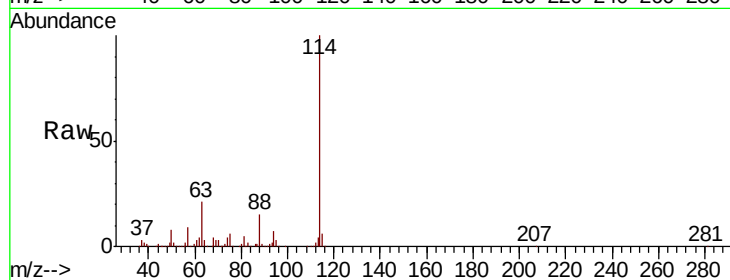
Tot Ion:114 Resp: 324259

Ion Ratio Lower Upper

114 100

63 21.2 0.0 43.0

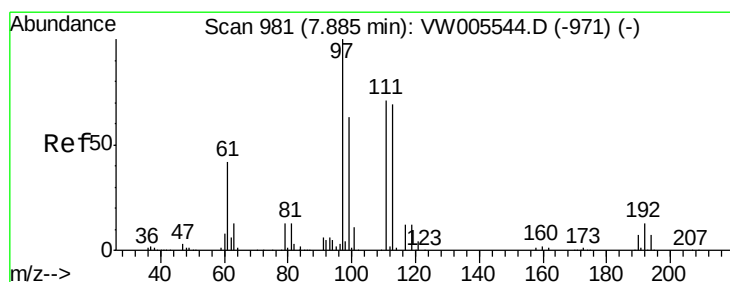
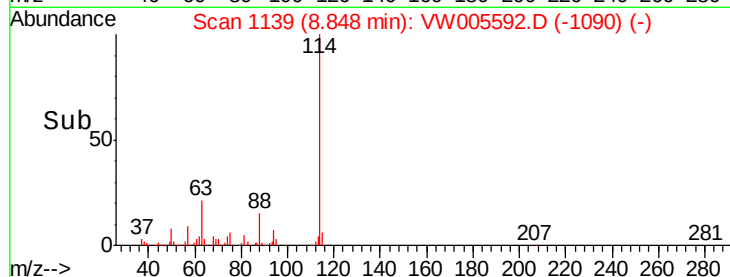
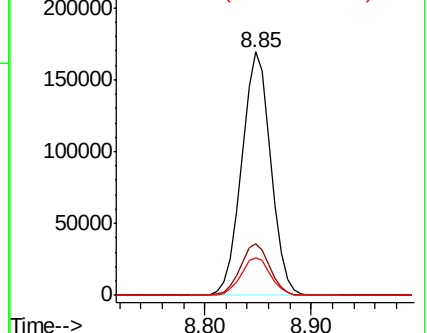
88 15.5 0.0 33.0



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: 31.969 ug/l

RT: 7.89 min Scan# 982

Delta R.T. 0.01 min

Lab File: VW005592.D

Acq: 24 Sep 2018 18:22

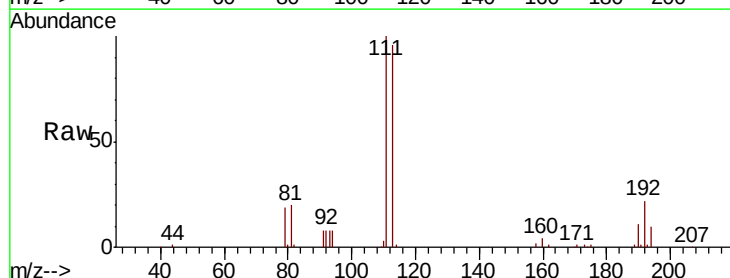
Tgt Ion:113 Resp: 65189

Ion Ratio Lower Upper

113 100

111 101.1 82.6 123.8

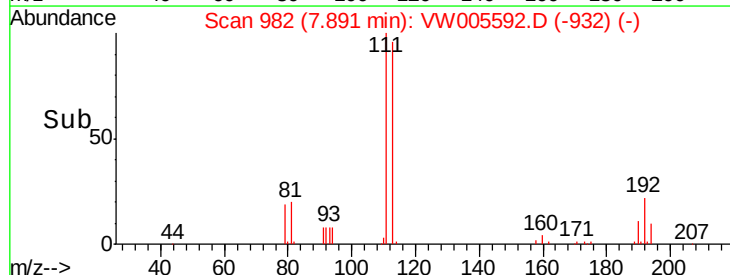
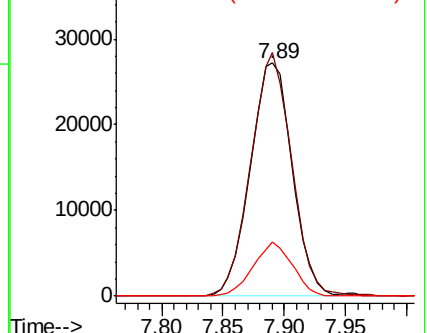
192 21.7 17.0 25.4

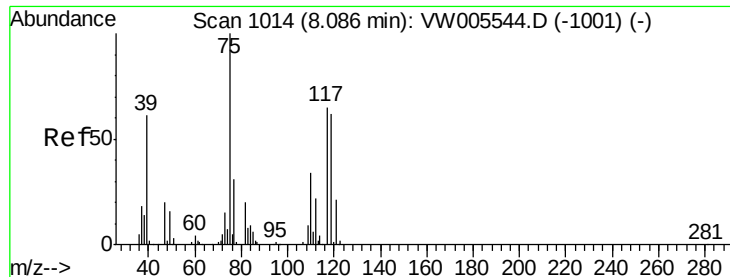


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V

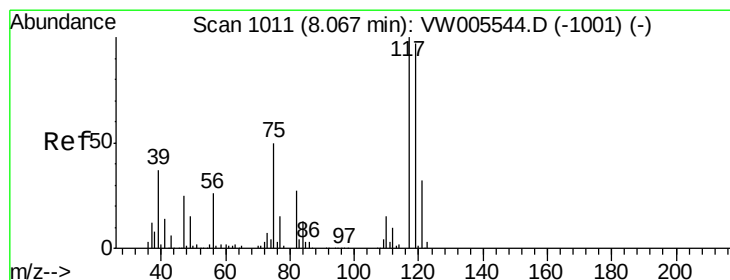
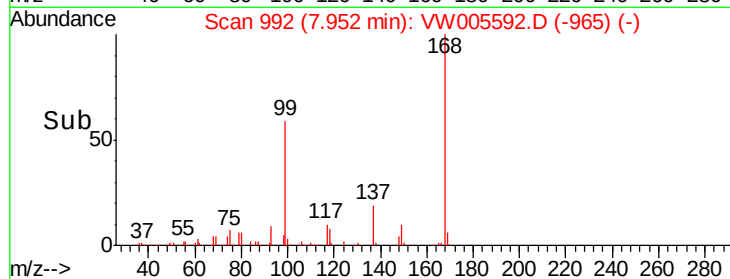
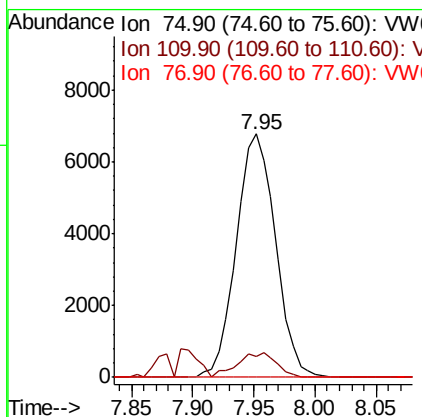
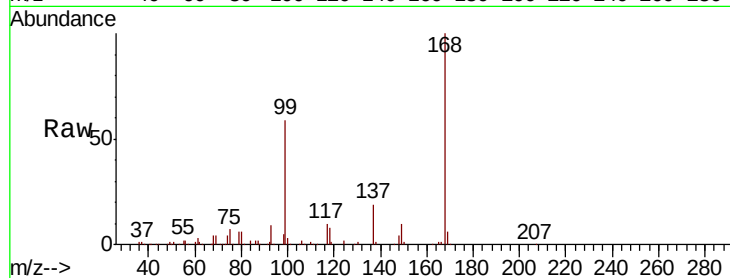




#36
 1,1-Dichloropropene
 Concen: 4.622 ug/l
 RT: 7.95 min Scan# 992
 Delta R.T. -0.13 min
 Lab File: VW005592.D
 Acq: 24 Sep 2018 18:22

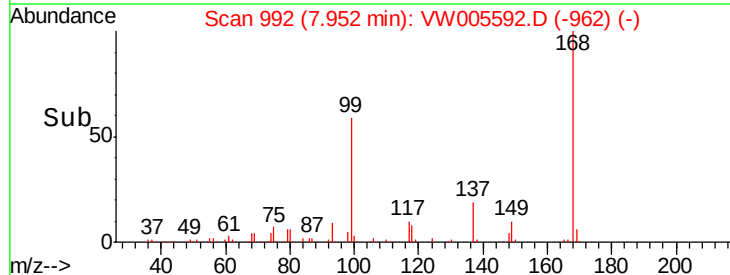
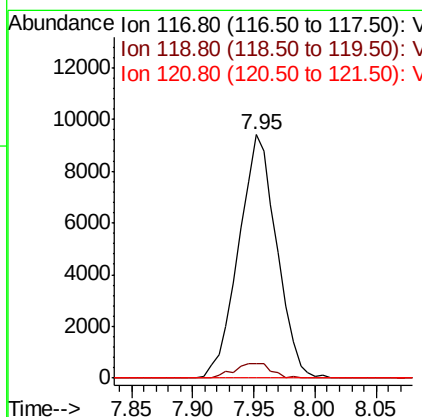
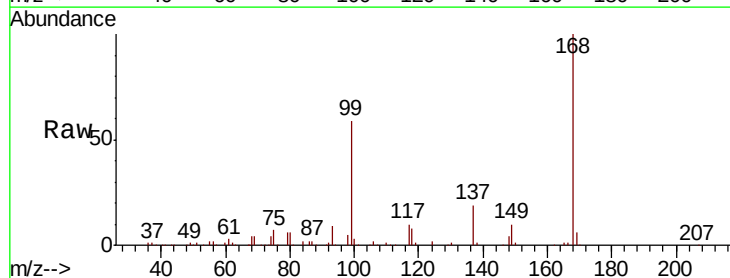
Instrument :
 MSVOA_W
 ClientSampleId :
 JC-02-092118-F

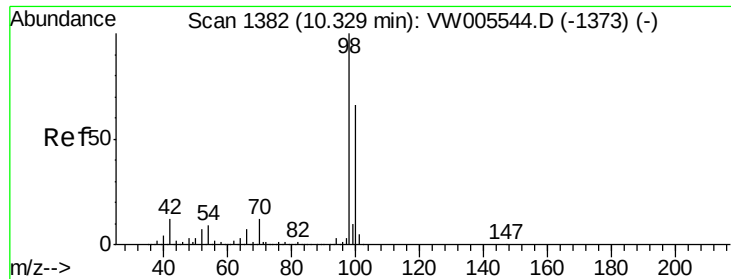
Tot Ion	Ratio	Lower	Upper
75	100		
110	10.2	17.0	50.9#
77	0.0	24.8	37.2#



#38
 Carbon Tetrachloride
 Concen: 5.792 ug/l
 RT: 7.95 min Scan# 992
 Delta R.T. -0.12 min
 Lab File: VW005592.D
 Acq: 24 Sep 2018 18:22

Tgt Ion	Ratio	Lower	Upper
117	100		
119	5.9	77.6	116.4#
121	0.0	25.7	38.5#





#50

Toluene-d8

Concen: 26.035 ug/l

RT: 10.33 min Scan# 1382

Delta R.T. 0.00 min

Lab File: VW005592.D

Acq: 24 Sep 2018 18:22

Instrument :

MSVOA_W

ClientSampleId :

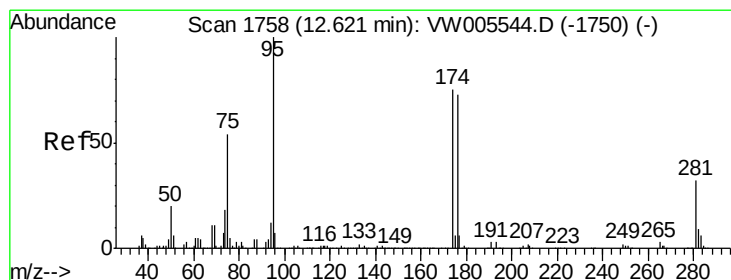
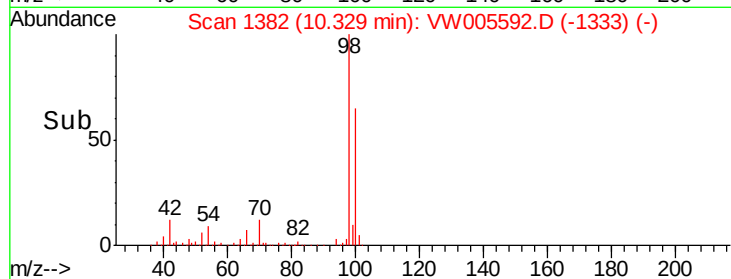
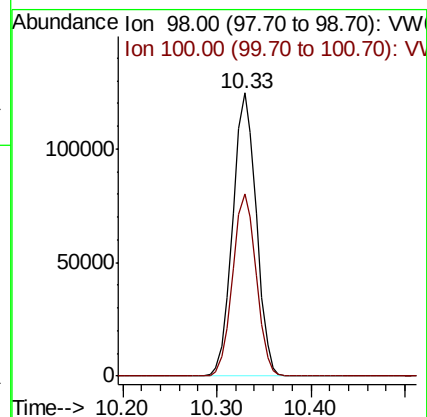
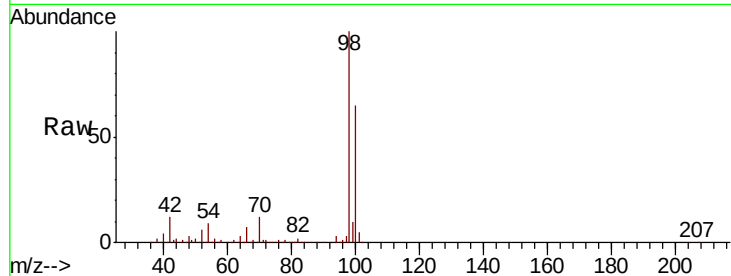
JC-02-092118-F

Tot Ion: 98 Resp: 216168

Ion Ratio Lower Upper

98 100

100 64.2 51.6 77.4



#62

4-Bromofluorobenzene

Concen: 23.150 ug/l

RT: 12.63 min Scan# 1759

Delta R.T. 0.01 min

Lab File: VW005592.D

Acq: 24 Sep 2018 18:22

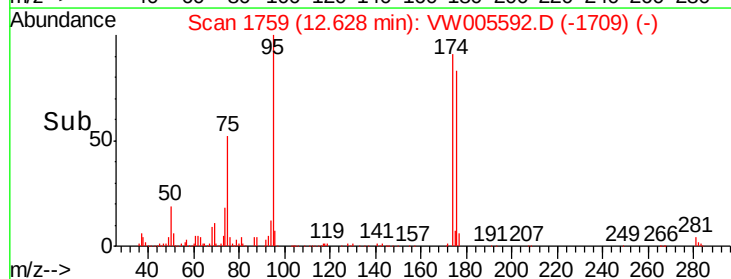
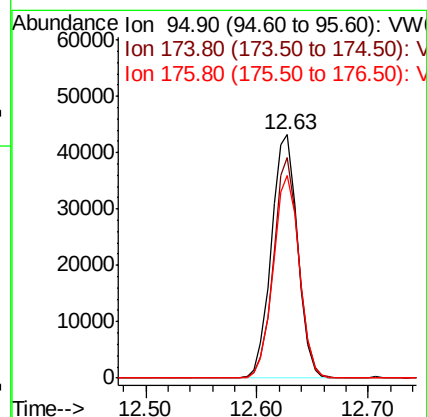
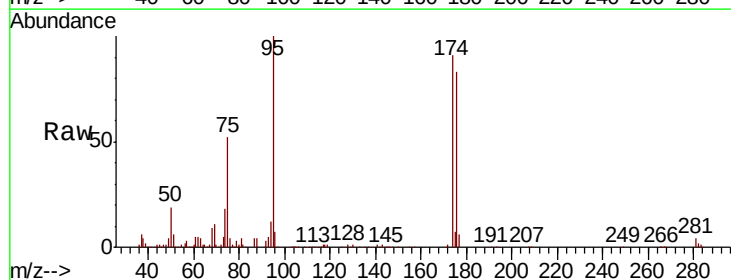
Tgt Ion: 95 Resp: 71124

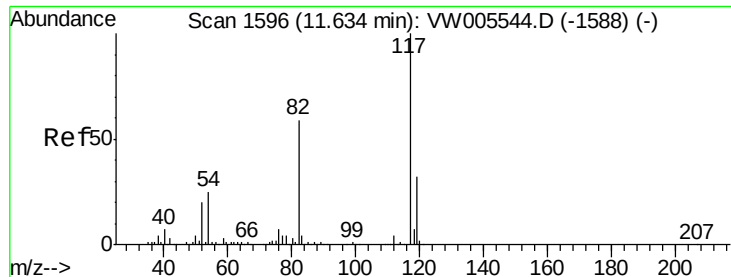
Ion Ratio Lower Upper

95 100

174 86.7 0.0 163.8

176 82.4 0.0 158.0

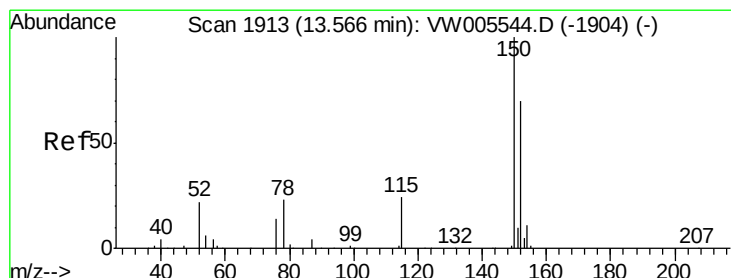
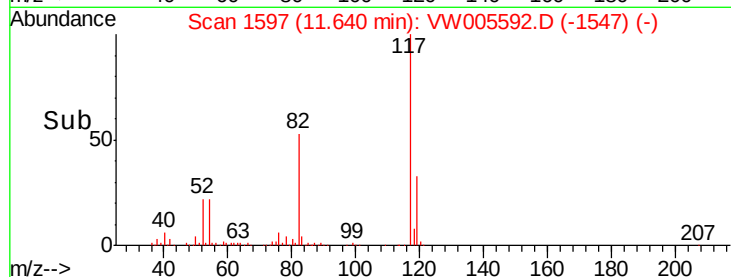
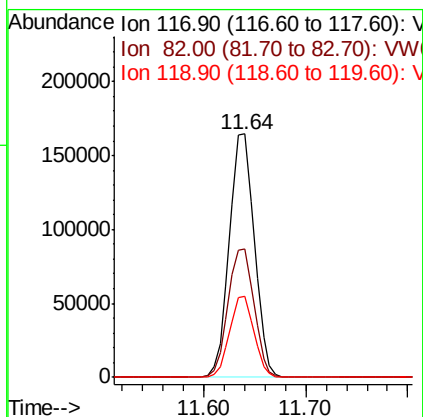
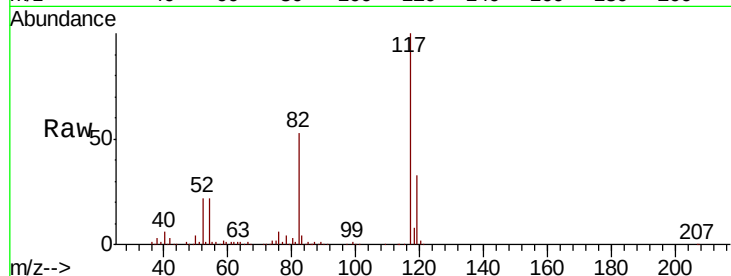




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.64 min Scan# 1597
Delta R.T. 0.01 min
Lab File: VW005592.D
Acq: 24 Sep 2018 18:22

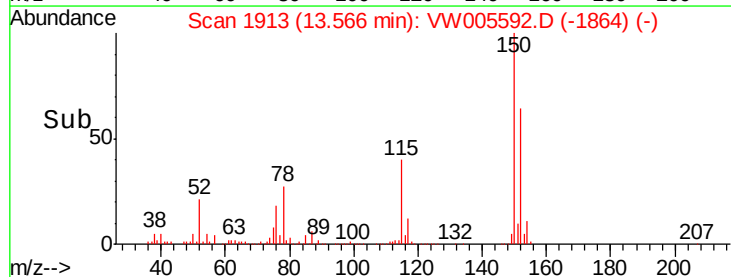
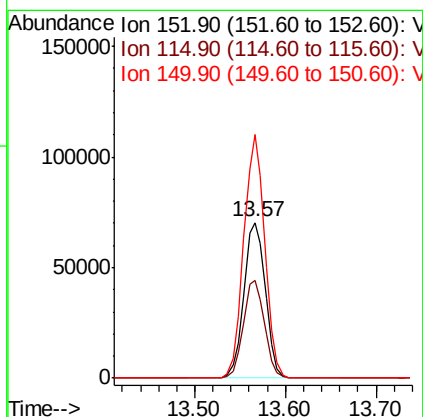
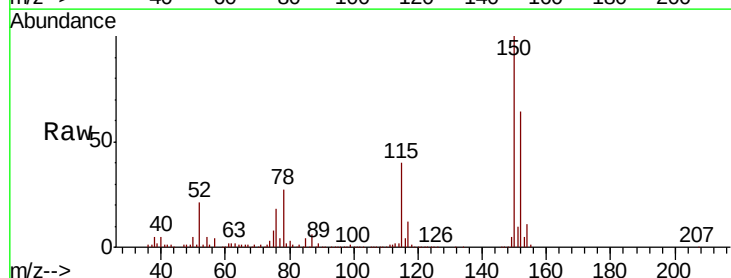
Instrument :
MSVOA_W
ClientSampleId :
JC-02-092118-F

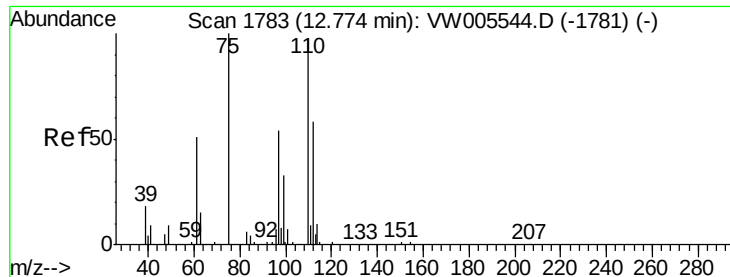
Tot Ion	Ratio	Lower	Upper
117	100		
82	52.6	46.9	70.3
119	33.3	25.7	38.5



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.57 min Scan# 1913
Delta R.T. 0.00 min
Lab File: VW005592.D
Acq: 24 Sep 2018 18:22

Tgt Ion	Ratio	Lower	Upper
152	100		
115	61.8	30.0	90.0
150	152.3	0.0	348.6





#76

1,2,3-Trichloropropane

Concen: 38.685 ug/l

RT: 12.62 min Scan# 1758

Delta R.T. -0.15 min

Lab File: VW005592.D

Acq: 24 Sep 2018 18:22

Instrument :

MSVOA_W

ClientSampleId :

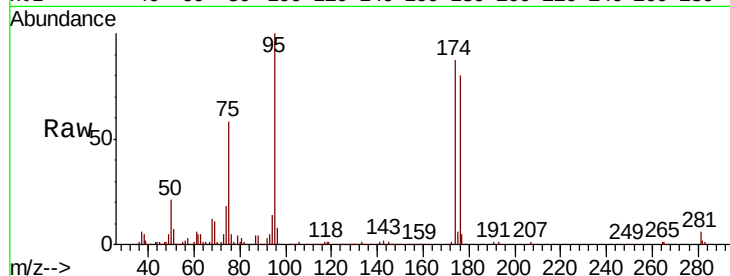
JC-02-092118-F

Tot Ion: 75 Resp: 37916

Ion Ratio Lower Upper

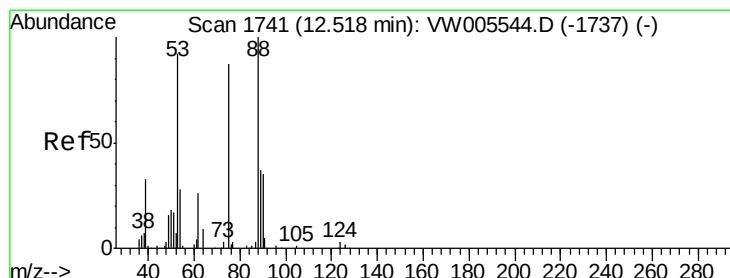
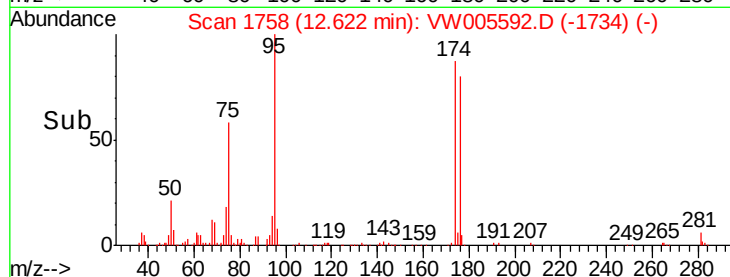
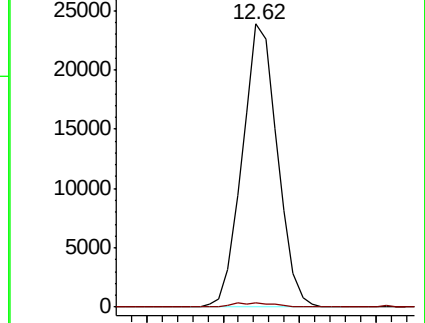
75 100

77 1.8 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: 87.131 ug/l

RT: 12.62 min Scan# 1758

Delta R.T. 0.10 min

Lab File: VW005592.D

Acq: 24 Sep 2018 18:22

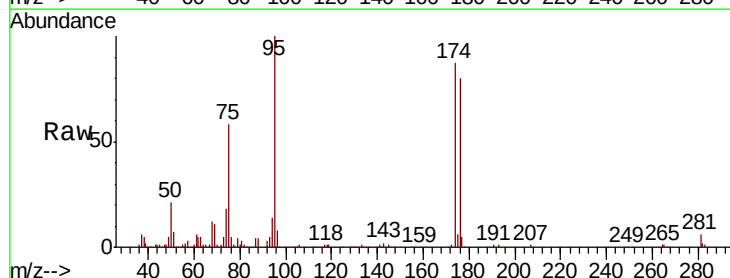
Tgt Ion: 75 Resp: 37916

Ion Ratio Lower Upper

75 100

53 0.5 85.8 128.6#

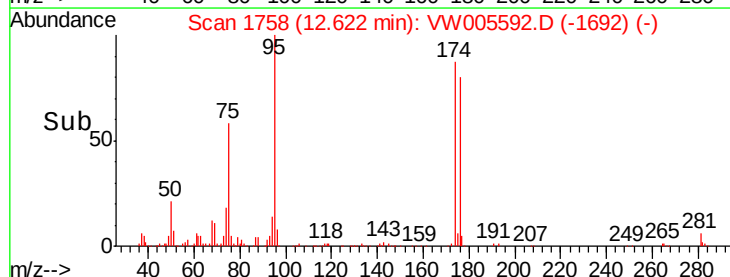
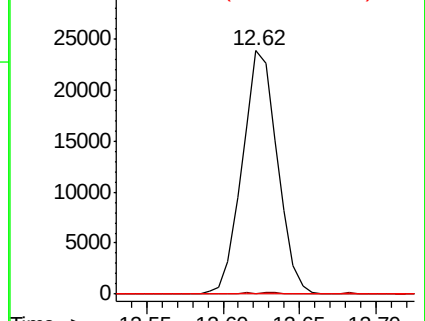
89 0.0 37.3 55.9#

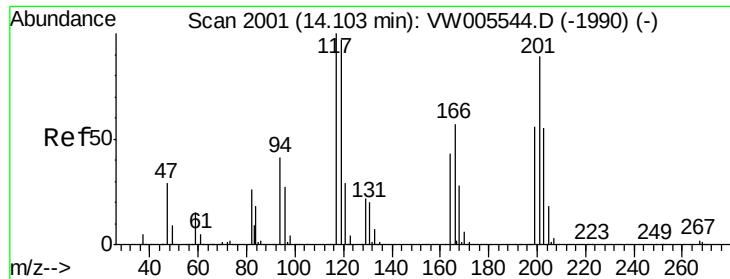


Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 53.00 (52.70 to 53.70): VW

Ion 88.90 (88.60 to 89.60): VW





#90

Hexachloroethane

Concen: 1.661 ug/l

RT: 14.11 min Scan# 2002

Delta R.T. 0.01 min

Lab File: VW005592.D

Acq: 24 Sep 2018 18:22

Instrument :

MSVOA_W

ClientSampleId :

JC-02-092118-F

Tot Ion:117 Resp: 2280

Ion Ratio Lower Upper

117 100

201 0.0 42.8 128.3#

