

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW011819\
 Data File : VW008361.D
 Acq On : 18 Jan 2019 17:29
 Operator : SY/VA
 Sample : K1013-03
 Misc : 6.21G/5ML/MSVOA_W/SOIL
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 PL-01-011819-B

Quant Time: Jan 19 01:45:56 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W011719S.M
 Quant Title : SW846 8260
 QLast Update : Fri Jan 18 00:57:07 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	87219	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	164993	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	147697	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	61461	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.31	65	56119	61.85	ug/l	0.00
Spiked Amount	50.000		Recovery	=	123.70%	
35) Dibromofluoromethane	7.88	113	53485	50.78	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.56%	
50) Toluene-d8	10.32	98	214032	51.73	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.46%	
62) 4-Bromofluorobenzene	12.62	95	65857	44.38	ug/l	0.00
Spiked Amount	50.000		Recovery	=	88.76%	

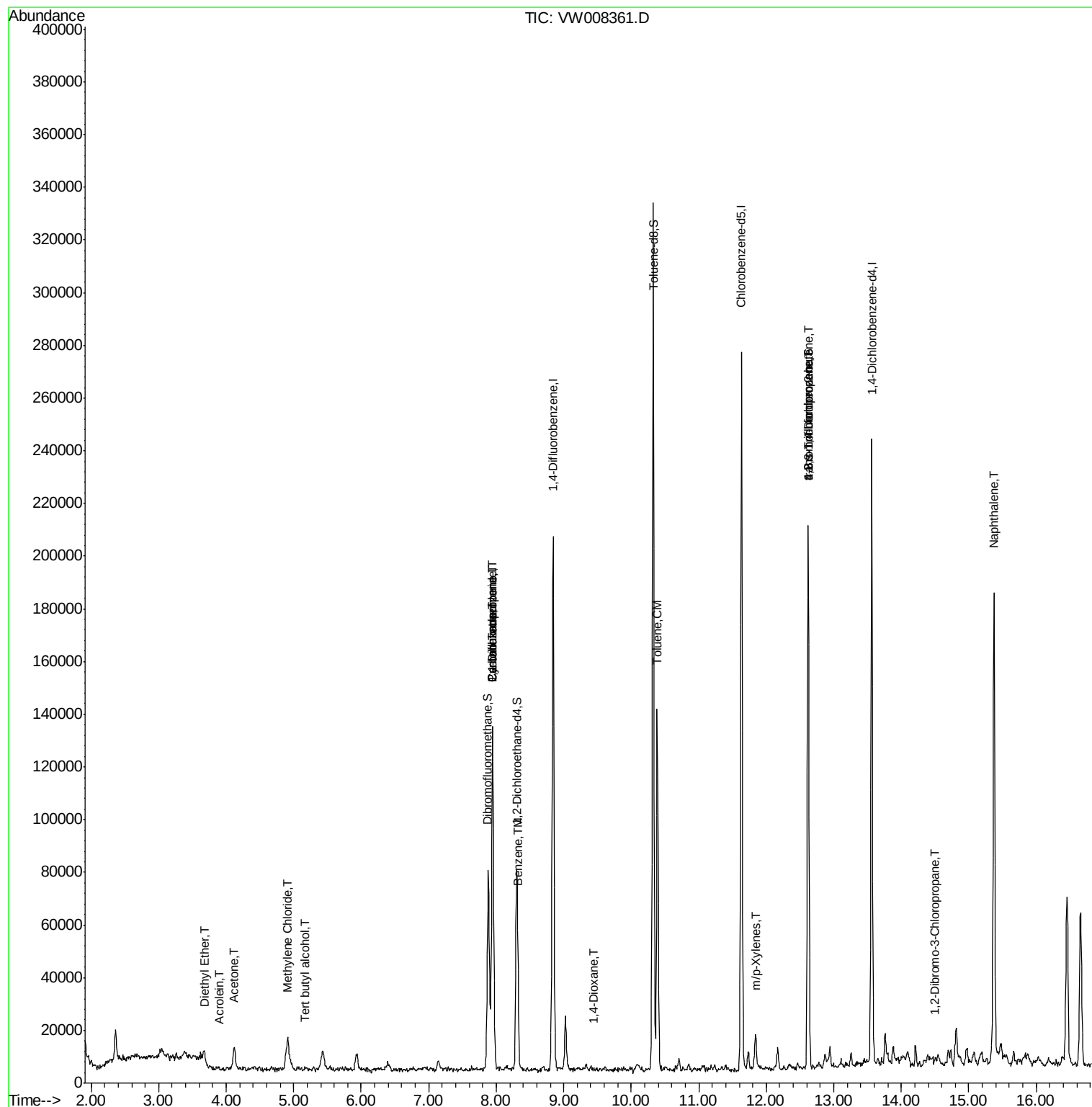
Target Compounds					Qvalue	
8) Diethyl Ether	3.68	74	1572	2.999	ug/l	72
11) Tert butyl alcohol	5.17	59	1001	16.386	ug/l #	69
13) Acrolein	3.90	56	220	11.140	ug/l #	58
16) Acetone	4.12	43	14423	68.452	ug/l	93
20) Methylene Chloride	4.92	84	9805	6.976	ug/l #	92
31) Cyclohexane	7.95	56	3225	1.903	ug/l #	46
36) 1,1-Dichloropropene	7.95	75	7646	4.606	ug/l #	52
38) Carbon Tetrachloride	7.95	117	10116	6.171	ug/l #	19
40) Benzene	8.32	78	5363	1.141	ug/l #	81
49) 1,4-Dioxane	9.45	88	48	4.898	ug/l #	22
52) Toluene	10.39	92	59698	20.062	ug/l	98
68) m/p-Xylenes	11.84	106	3767	1.735	ug/l	93
76) 1,2,3-Trichloropropane	12.62	75	33663	60.145	ug/l #	1
81) trans-1,4-Dichloro-2-buten	12.62	75	33663	143.531	ug/l #	12
92) 1,2-Dibromo-3-Chloropropan	14.49	75	161	1.293	ug/l #	7
95) Naphthalene	15.37	128	154986	64.965	ug/l	99

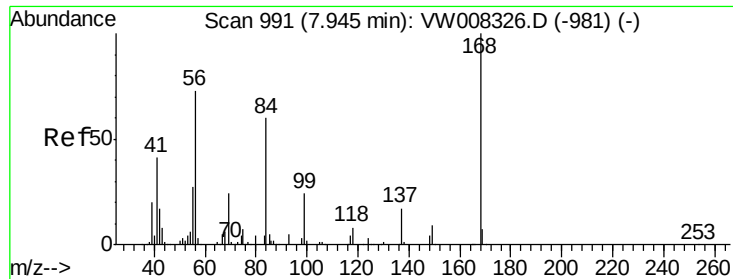
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA_W\DATA\VW011819\
Data File : VW008361.D
Acq On : 18 Jan 2019 17:29
Operator : SY/VA
Sample : K1013-03
Misc : 6.21G/5ML/MSVOA_W/SOIL
ALS Vial : 15 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
PL-01-011819-B

Quant Time: Jan 19 01:45:56 2019
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_W\METHOD\82W011719S.M
Quant Title : SW846 8260
QLast Update : Fri Jan 18 00:57:07 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: VW008361.D

Acq: 18 Jan 2019 17:29

Instrument :

MSVOA_W

ClientSampleId :

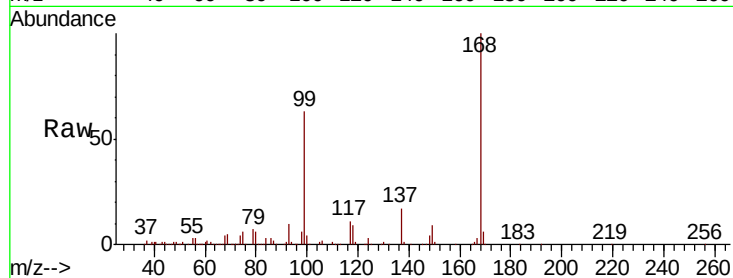
PL-01-011819-B

Tgt Ion:168 Resp: 87219

Ion Ratio Lower Upper

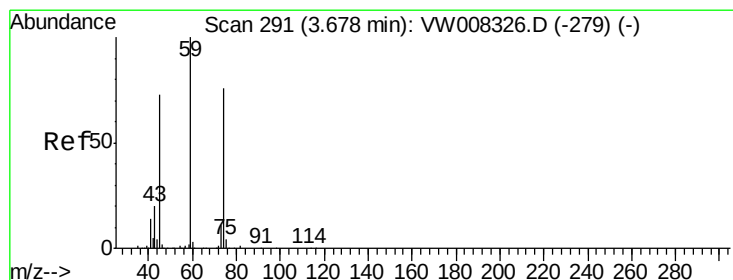
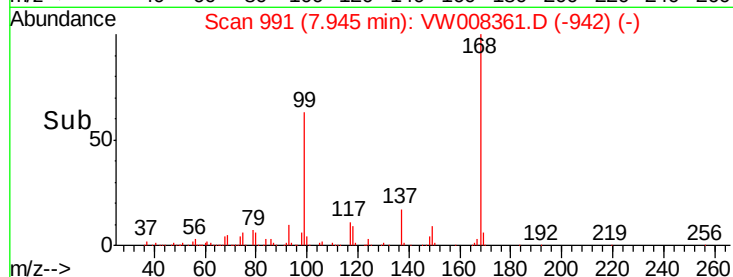
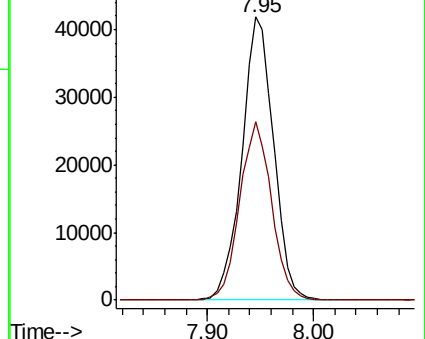
168 100

99 62.7 44.6 66.8



Abundance Ion 167.90 (167.60 to 168.60): VW

Ion 98.90 (98.60 to 99.60): VW



#8

Diethyl Ether

Concen: 2.999 ug/l

RT: 3.68 min Scan# 291

Delta R.T. 0.00 min

Lab File: VW008361.D

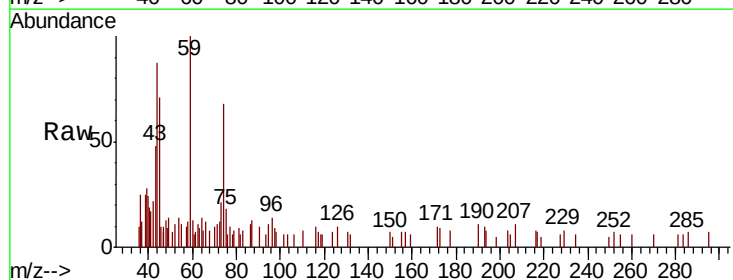
Acq: 18 Jan 2019 17:29

Tgt Ion: 74 Resp: 1572

Ion Ratio Lower Upper

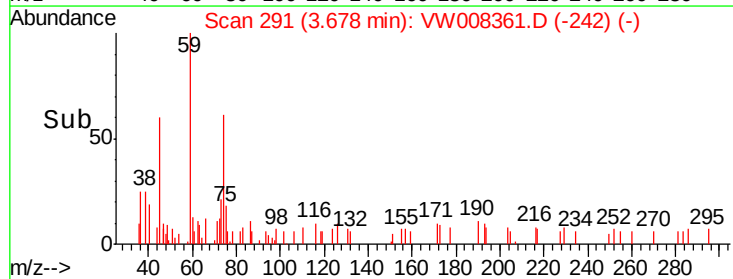
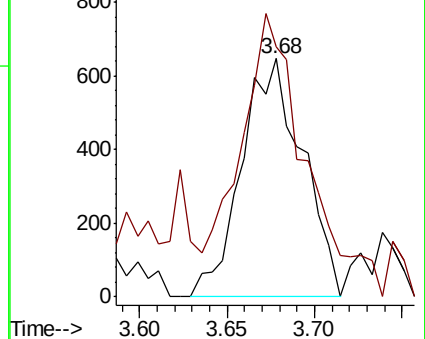
74 100

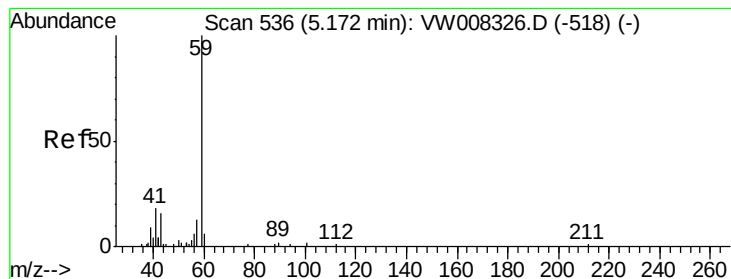
45 128.4 50.1 150.3



Abundance Ion 74.00 (73.70 to 74.70): VW

Ion 45.00 (44.70 to 45.70): VW



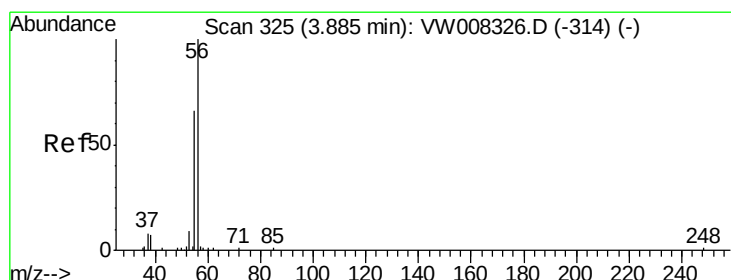
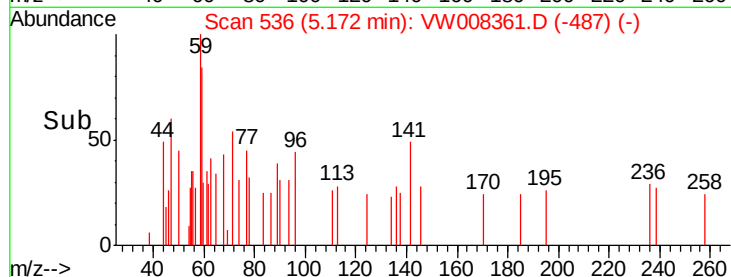
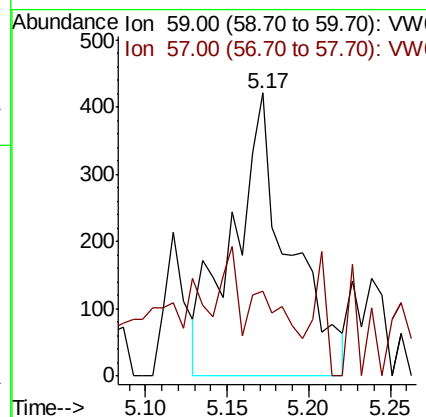
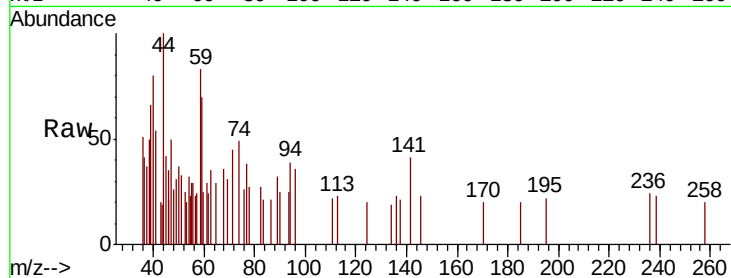


#11

Tert butyl alcohol
 Concen: 16.386 ug/l
 RT: 5.17 min Scan# 536
 Delta R.T. 0.00 min
 Lab File: VW008361.D
 Acq: 18 Jan 2019 17:29

Instrument :
 MSVOA_W
 ClientSampleId :
 PL-01-011819-B

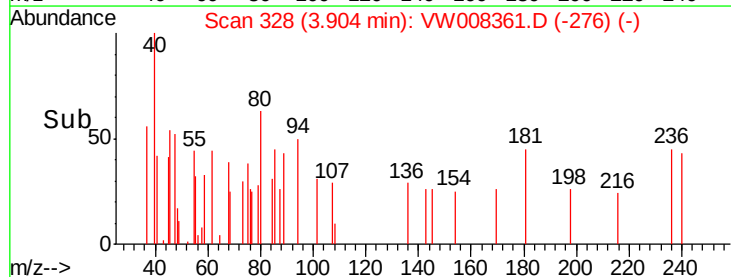
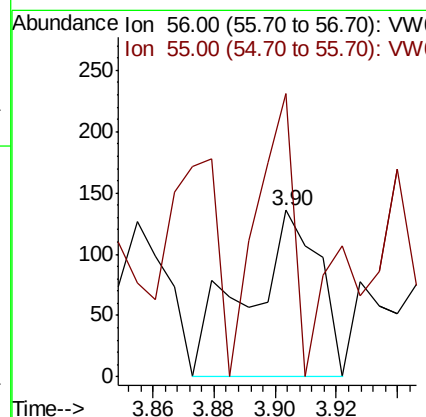
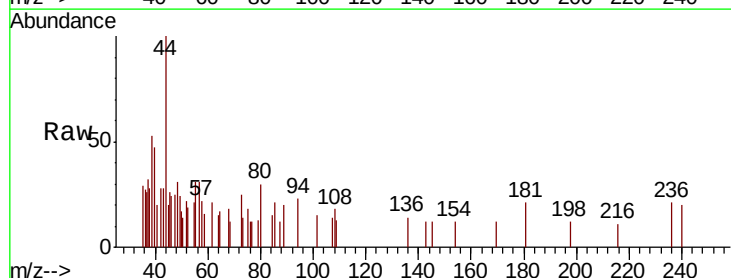
Tgt Ion: 59 Resp: 1001
 Ion Ratio Lower Upper
 59 100
 57 0.0 9.4 14.2#

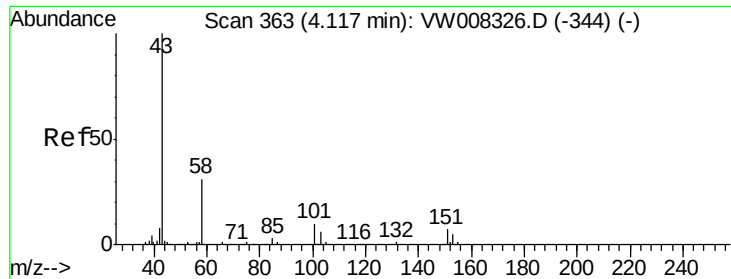


#13

Acrolein
 Concen: 11.140 ug/l
 RT: 3.90 min Scan# 328
 Delta R.T. 0.02 min
 Lab File: VW008361.D
 Acq: 18 Jan 2019 17:29

Tgt Ion: 56 Resp: 220
 Ion Ratio Lower Upper
 56 100
 55 99.5 52.9 79.3#

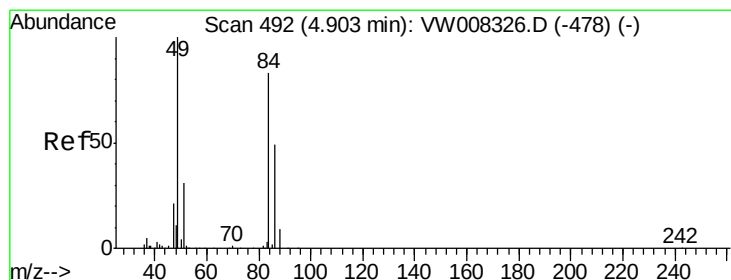
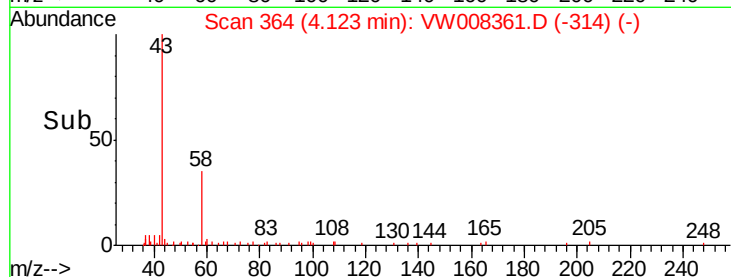
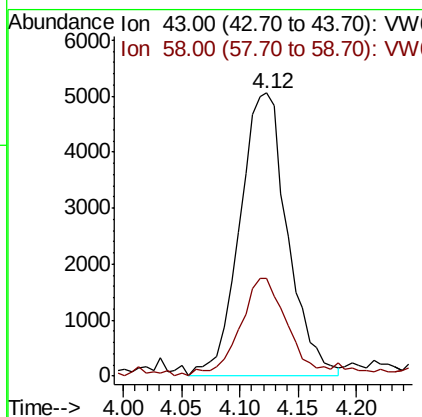
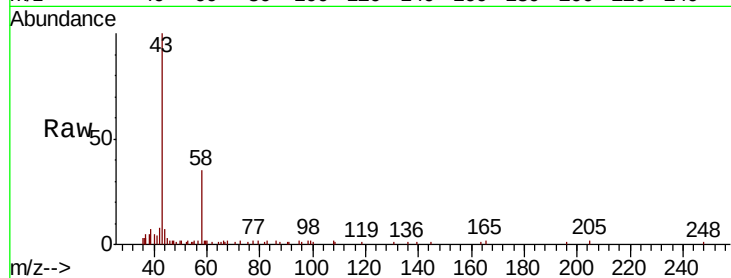




#16
Acetone
Concen: 68.452 ug/l
RT: 4.12 min Scan# 364
Delta R.T. 0.01 min
Lab File: VW008361.D
Acq: 18 Jan 2019 17:29

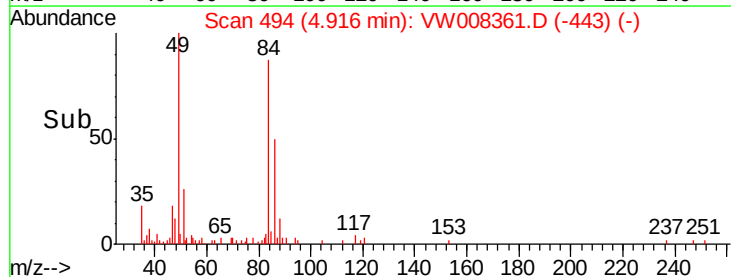
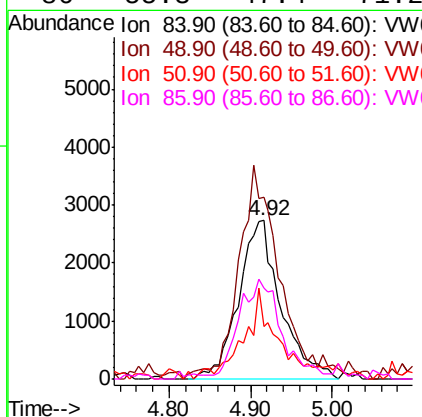
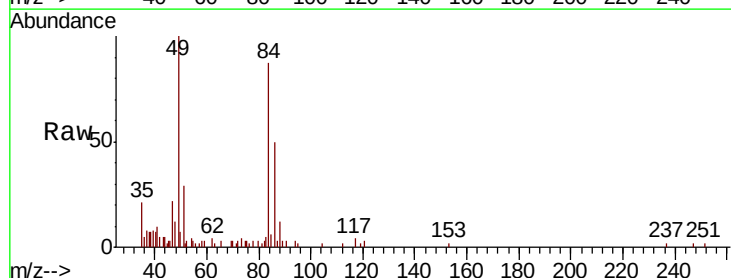
Instrument :
MSVOA_W
ClientSampleId :
PL-01-011819-B

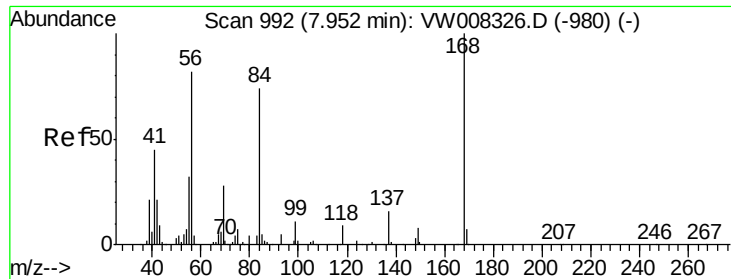
Tgt Ion: 43 Resp: 14423
Ion Ratio Lower Upper
43 100
58 34.6 24.7 37.1



#20
Methylene Chloride
Concen: 6.976 ug/l
RT: 4.92 min Scan# 494
Delta R.T. 0.01 min
Lab File: VW008361.D
Acq: 18 Jan 2019 17:29

Tgt Ion: 84 Resp: 9805
Ion Ratio Lower Upper
84 100
49 111.3 95.9 143.9
51 28.6 29.3 43.9#
86 55.3 47.4 71.2

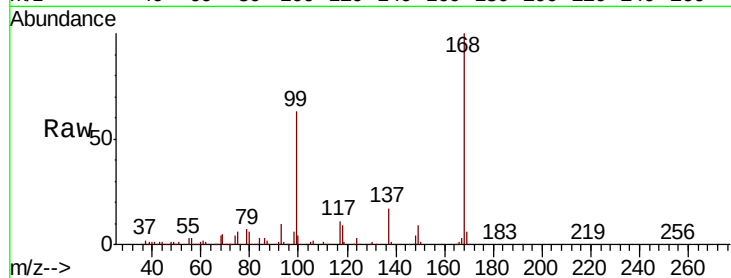




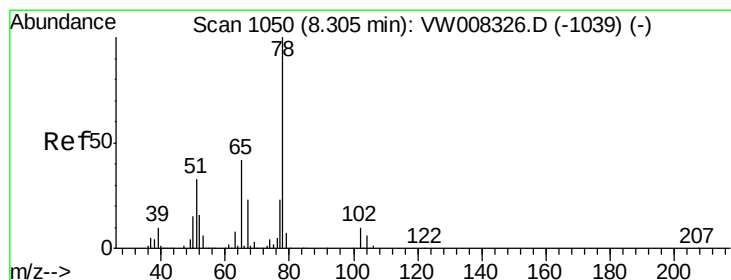
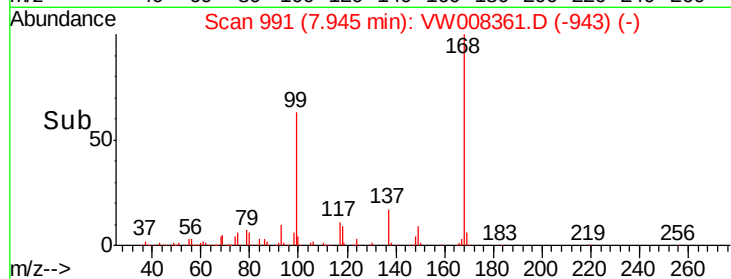
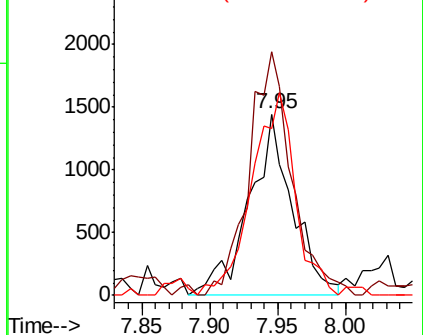
#31
Cyclohexane
Concen: 1.903 ug/l
RT: 7.95 min Scan# 991
Delta R.T. -0.01 min
Lab File: VW008361.D
Acq: 18 Jan 2019 17:29

Instrument :
MSVOA_W
ClientSampleId :
PL-01-011819-B

Tgt Ion: 56 Resp: 3225
Ion Ratio Lower Upper
56 100
69 135.8 27.0 40.6#
84 97.4 72.5 108.7

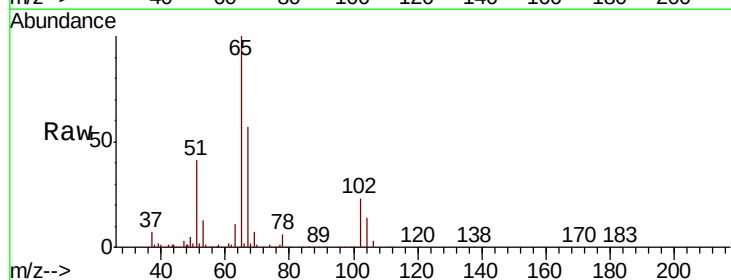


Abundance Ion 56.00 (55.70 to 56.70): VW
Ion 69.00 (68.70 to 69.70): VW
Ion 84.00 (83.70 to 84.70): VW

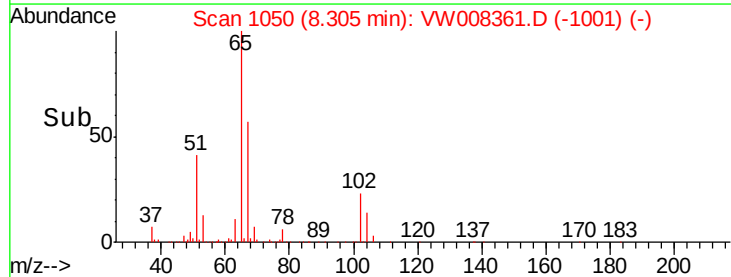
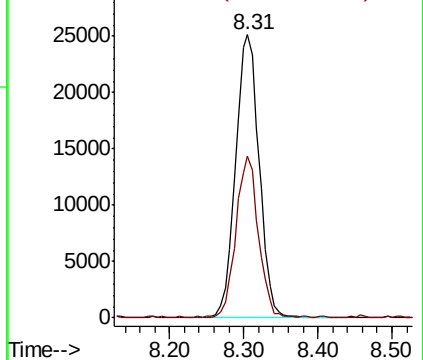


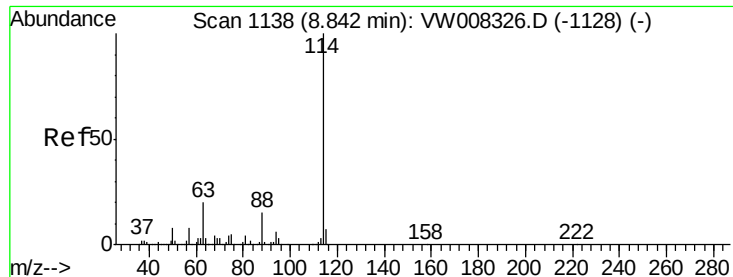
#33
1,2-Dichloroethane-d4
Concen: 61.854 ug/l
RT: 8.31 min Scan# 1050
Delta R.T. 0.00 min
Lab File: VW008361.D
Acq: 18 Jan 2019 17:29

Tgt Ion: 65 Resp: 56119
Ion Ratio Lower Upper
65 100
67 54.2 0.0 106.2



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

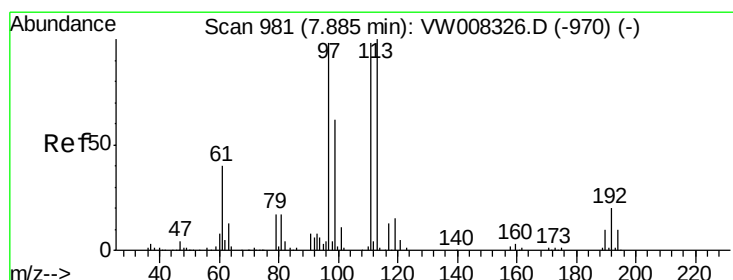
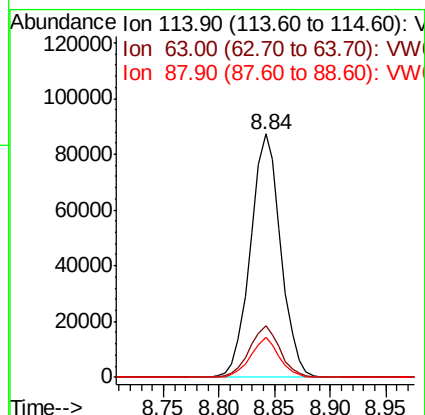
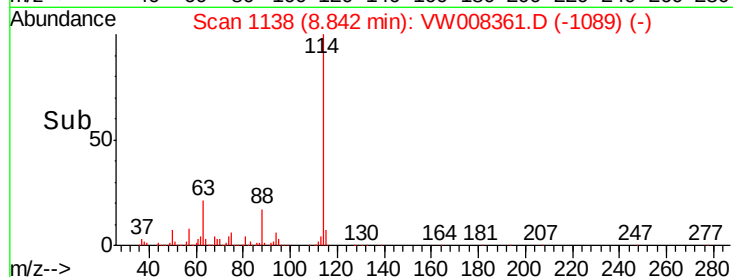
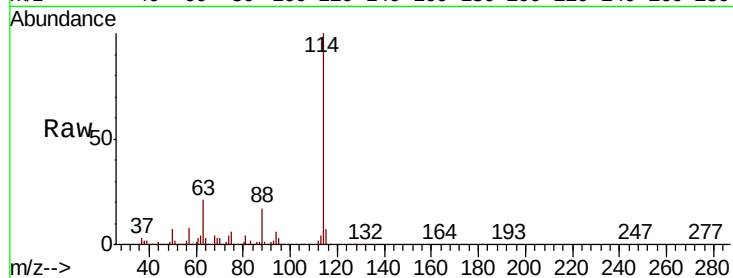




#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.84 min Scan# 1138
 Delta R.T. 0.00 min
 Lab File: VW008361.D
 Acq: 18 Jan 2019 17:29

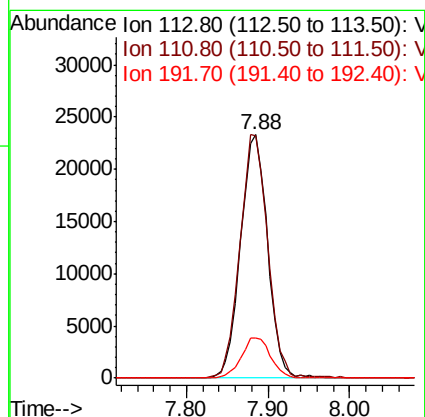
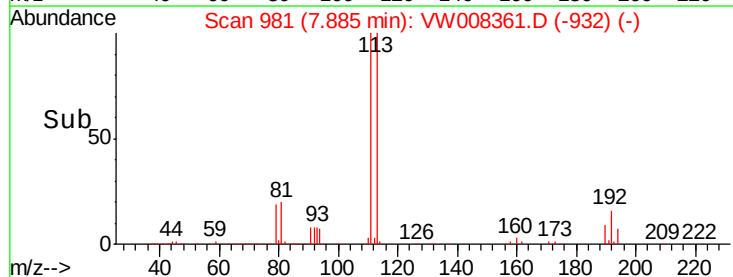
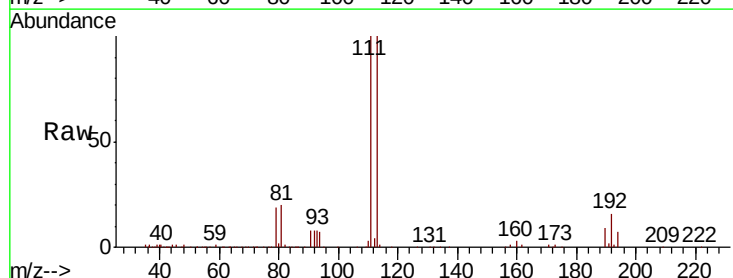
Instrument :
 MSVOA_W
 ClientSampleId :
 PL-01-011819-B

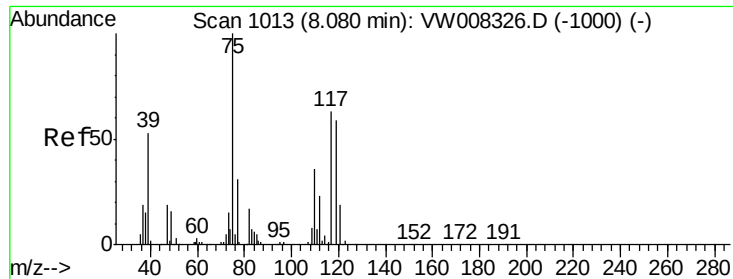
Tgt Ion:114 Resp: 164993
 Ion Ratio Lower Upper
 114 100
 63 21.4 0.0 40.8
 88 16.7 0.0 30.4



#35
 Dibromofluoromethane
 Concen: 50.783 ug/l
 RT: 7.88 min Scan# 981
 Delta R.T. 0.00 min
 Lab File: VW008361.D
 Acq: 18 Jan 2019 17:29

Tgt Ion:113 Resp: 53485
 Ion Ratio Lower Upper
 113 100
 111 103.0 81.8 122.8
 192 17.9 16.3 24.5

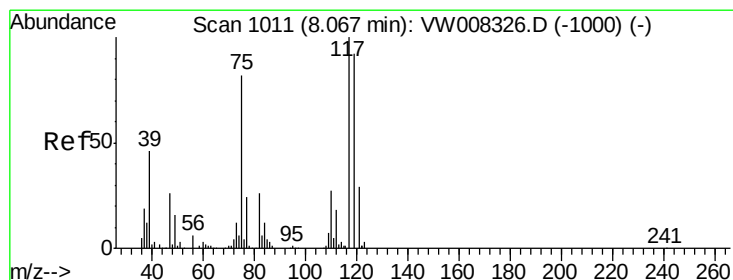
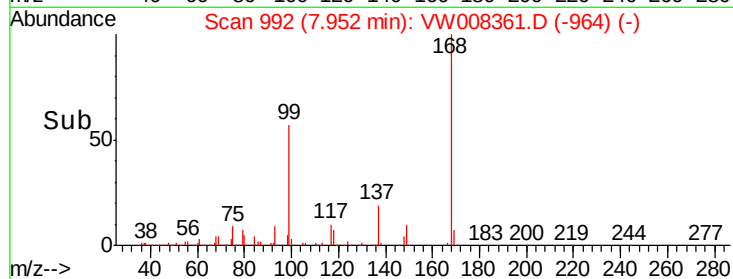
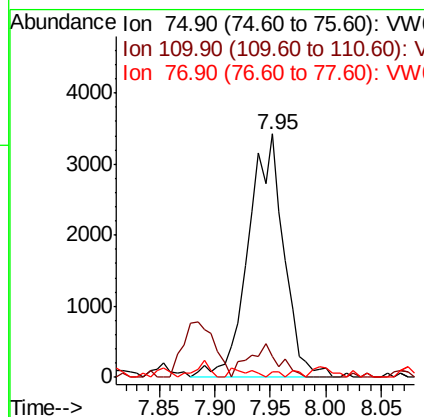
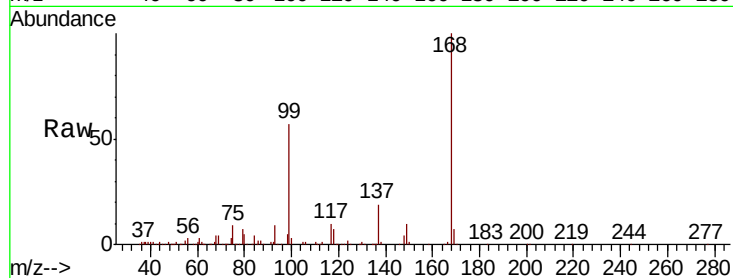




#36
 1,1-Dichloropropene
 Concen: 4.606 ug/l
 RT: 7.95 min Scan# 992
 Delta R.T. -0.13 min
 Lab File: VW008361.D
 Acq: 18 Jan 2019 17:29

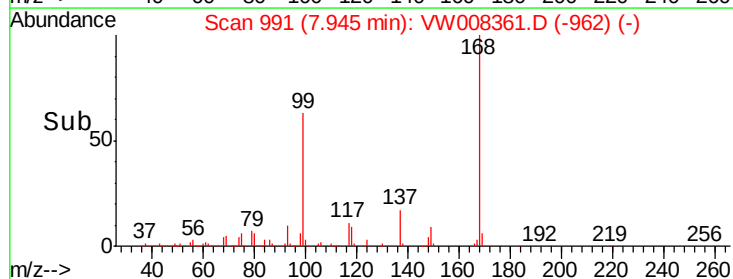
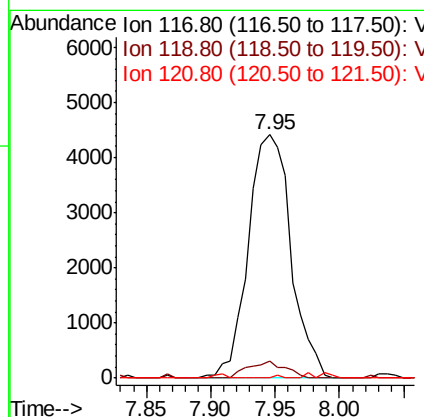
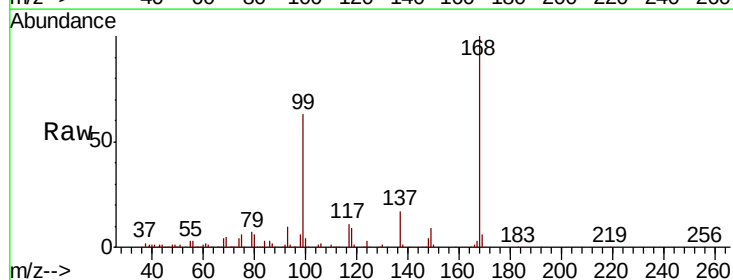
Instrument :
 MSVOA_W
 ClientSampleId :
 PL-01-011819-B

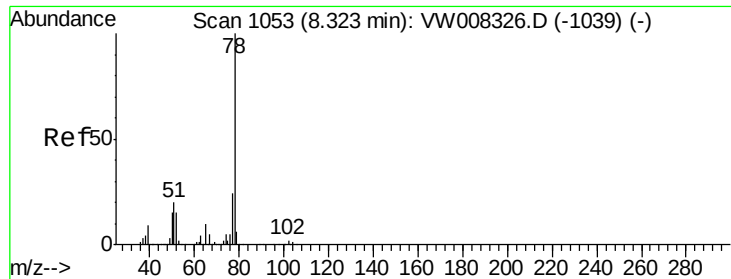
Tgt Ion: 75 Resp: 7646
 Ion Ratio Lower Upper
 75 100
 110 11.5 17.5 52.6#
 77 0.7 25.0 37.6#



#38
 Carbon Tetrachloride
 Concen: 6.171 ug/l
 RT: 7.95 min Scan# 991
 Delta R.T. -0.12 min
 Lab File: VW008361.D
 Acq: 18 Jan 2019 17:29

Tgt Ion: 117 Resp: 10116
 Ion Ratio Lower Upper
 117 100
 119 7.0 73.8 110.6#
 121 0.0 23.4 35.0#





#40

Benzene

Concen: 1.141 ug/l

RT: 8.32 min Scan# 1053

Delta R.T. 0.00 min

Lab File: VW008361.D

Acq: 18 Jan 2019 17:29

Instrument :

MSVOA_W

ClientSampleId :

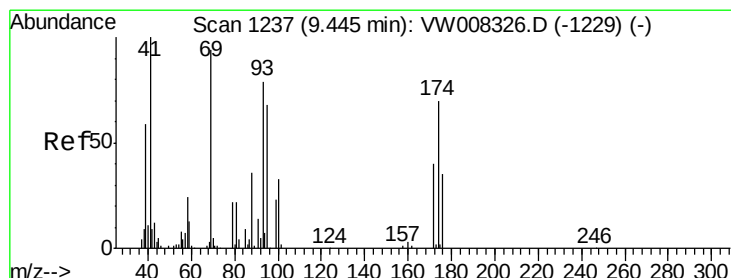
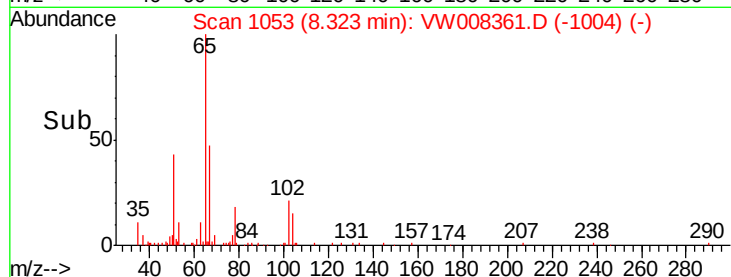
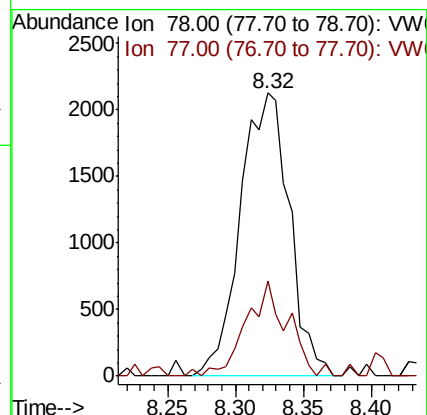
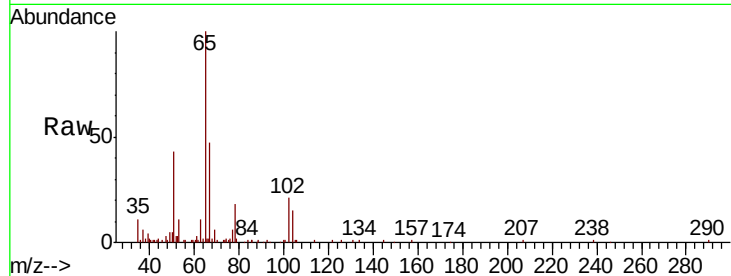
PL-01-011819-B

Tgt Ion: 78 Resp: 5363

Ion Ratio Lower Upper

78 100

77 33.7 19.4 29.0#



#49

1,4-Dioxane

Concen: 4.898 ug/l

RT: 9.45 min Scan# 1237

Delta R.T. 0.00 min

Lab File: VW008361.D

Acq: 18 Jan 2019 17:29

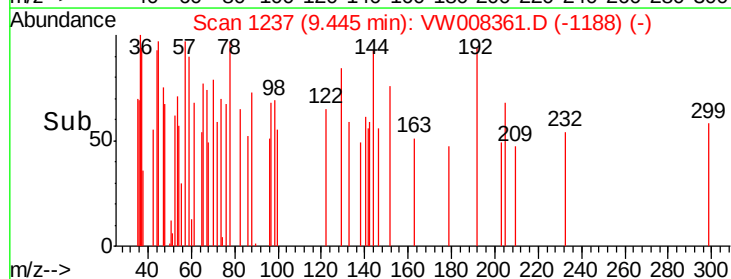
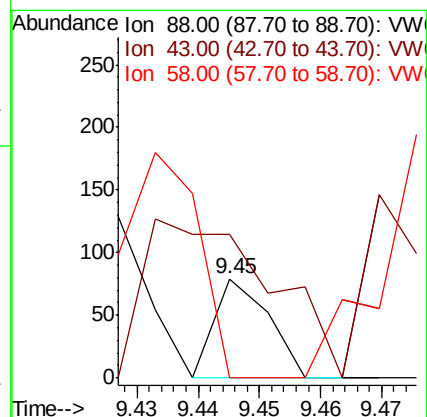
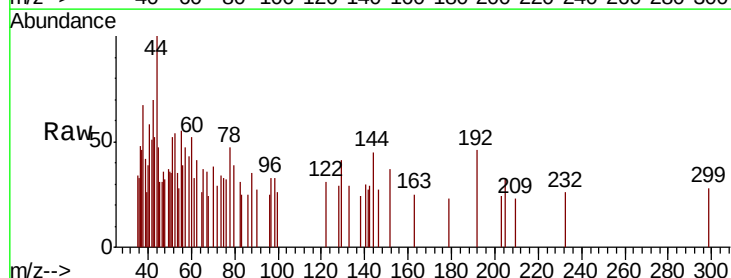
Tgt Ion: 88 Resp: 48

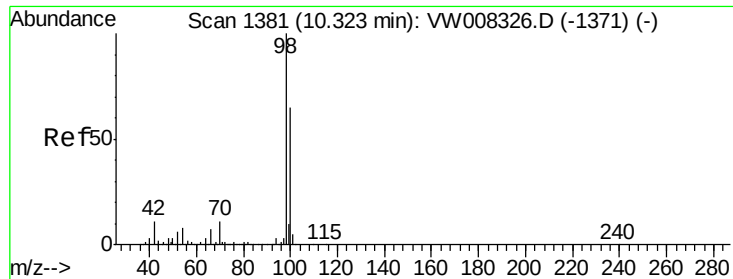
Ion Ratio Lower Upper

88 100

43 0.0 27.1 40.7#

58 0.0 57.9 86.9#





#50

Toluene-d8

Concen: 51.729 ug/l

RT: 10.32 min Scan# 1381

Delta R.T. 0.00 min

Lab File: VW008361.D

Acq: 18 Jan 2019 17:29

Instrument :

MSVOA_W

ClientSampleId :

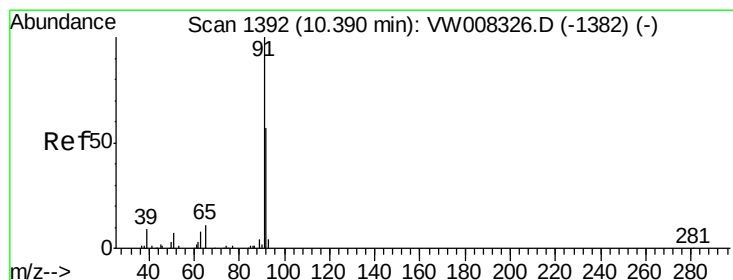
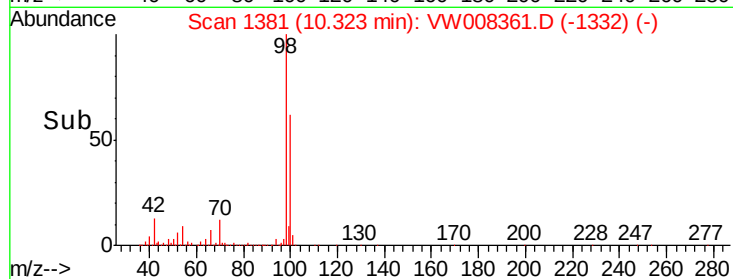
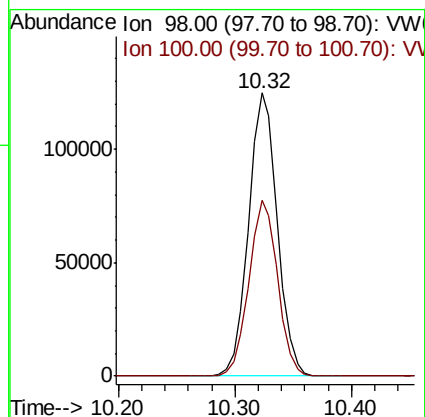
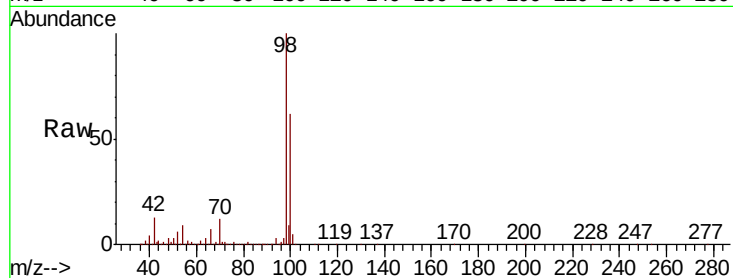
PL-01-011819-B

Tgt Ion: 98 Resp: 214032

Ion Ratio Lower Upper

98 100

100 62.4 51.8 77.8



#52

Toluene

Concen: 20.062 ug/l

RT: 10.39 min Scan# 1392

Delta R.T. 0.00 min

Lab File: VW008361.D

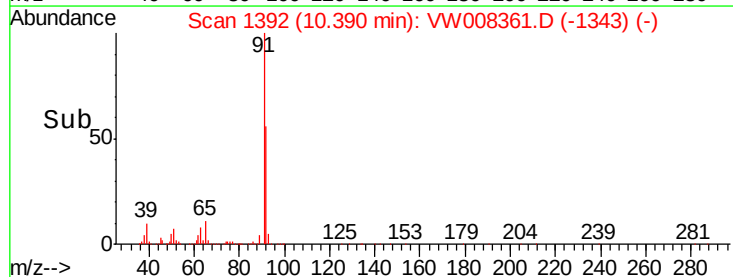
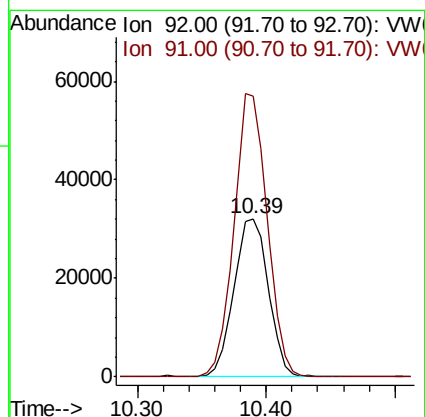
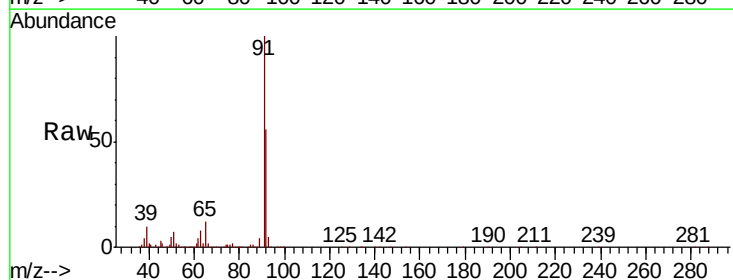
Acq: 18 Jan 2019 17:29

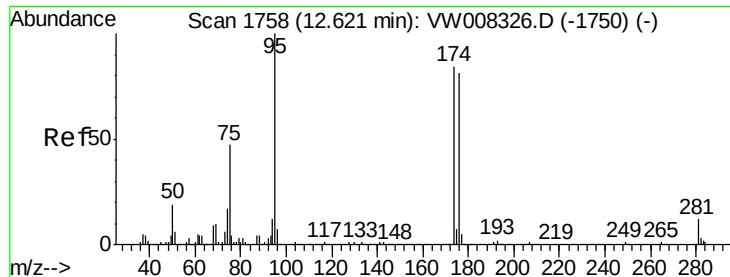
Tgt Ion: 92 Resp: 59698

Ion Ratio Lower Upper

92 100

91 172.1 140.2 210.2





#62

4-Bromofluorobenzene

Concen: 44.380 ug/l

RT: 12.62 min Scan# 1758

Delta R.T. 0.00 min

Lab File: VW008361.D

Acq: 18 Jan 2019 17:29

Instrument :

MSVOA_W

ClientSampleId :

PL-01-011819-B

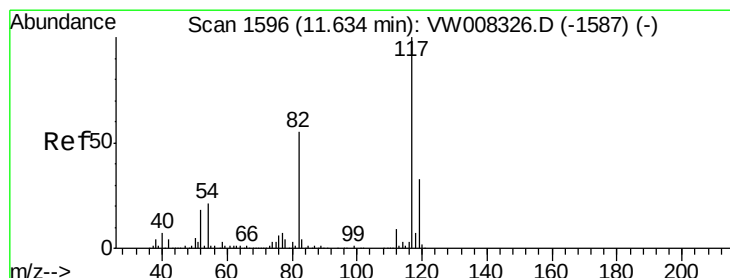
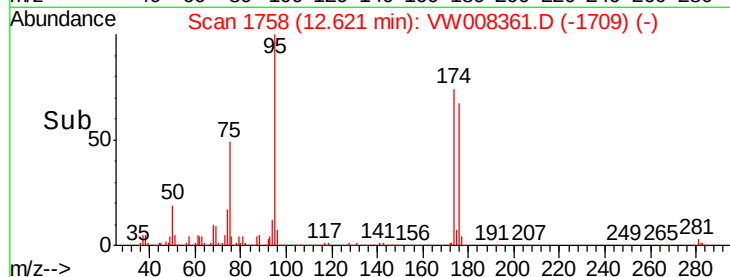
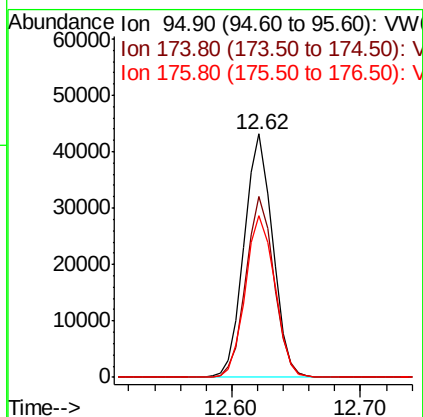
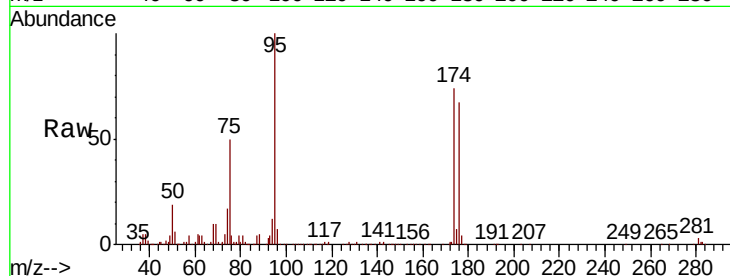
Tgt Ion: 95 Resp: 65857

Ion Ratio Lower Upper

95 100

174 73.2 0.0 166.0

176 68.7 0.0 160.0



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.63 min Scan# 1596

Delta R.T. 0.00 min

Lab File: VW008361.D

Acq: 18 Jan 2019 17:29

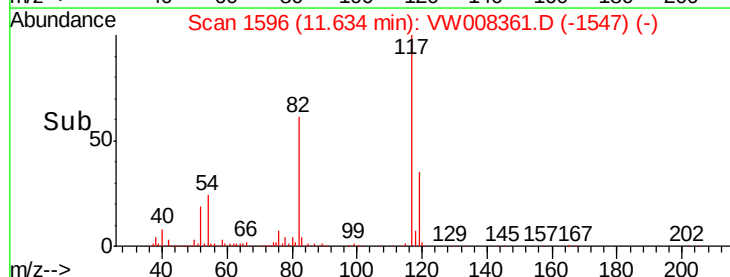
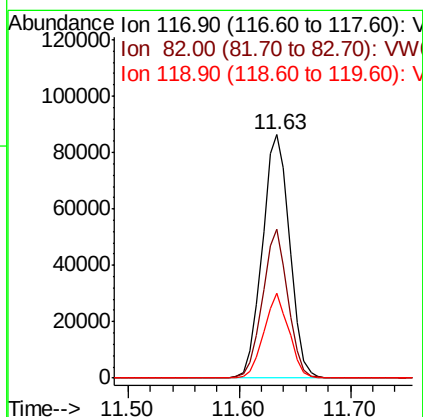
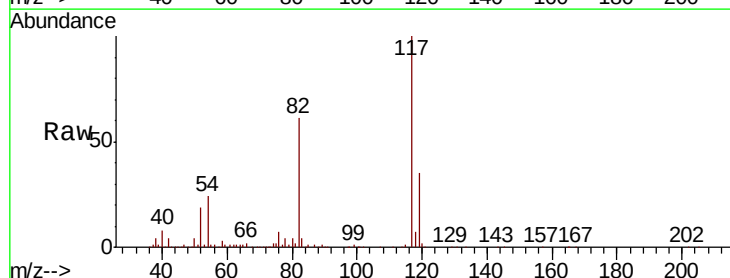
Tgt Ion: 117 Resp: 147697

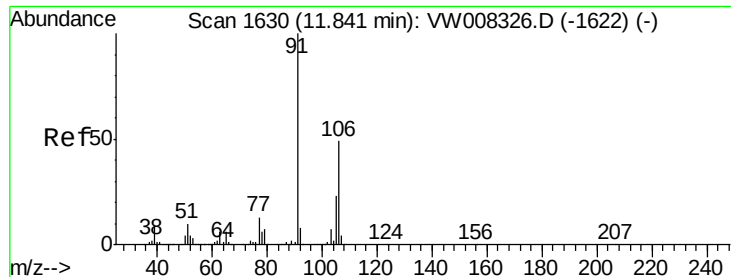
Ion Ratio Lower Upper

117 100

82 61.0 44.3 66.5

119 34.9 26.3 39.5

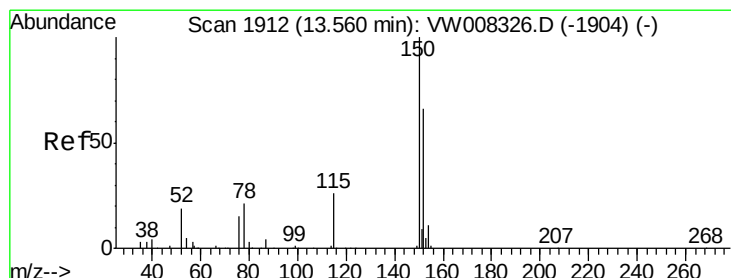
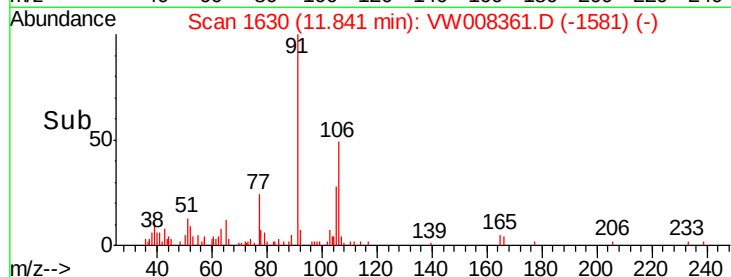
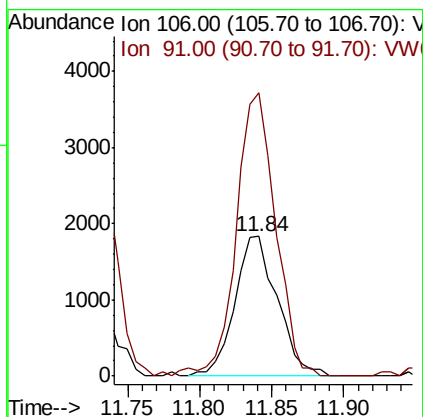
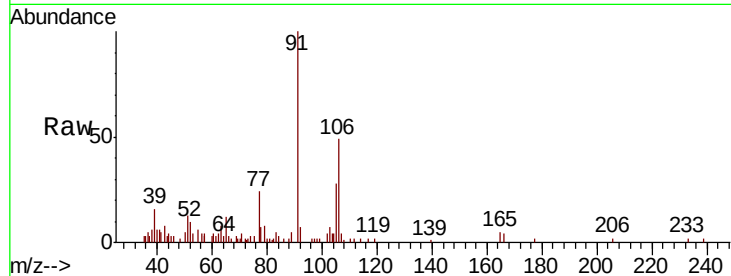




#68
m/p-Xylenes
Concen: 1.735 ug/l
RT: 11.84 min Scan# 1630
Delta R.T. 0.00 min
Lab File: VW008361.D
Acq: 18 Jan 2019 17:29

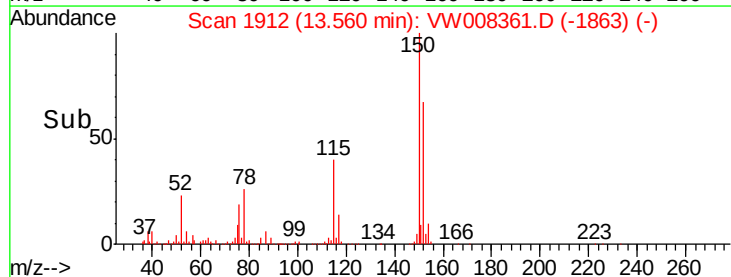
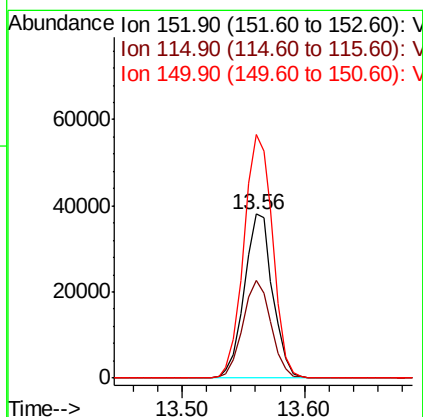
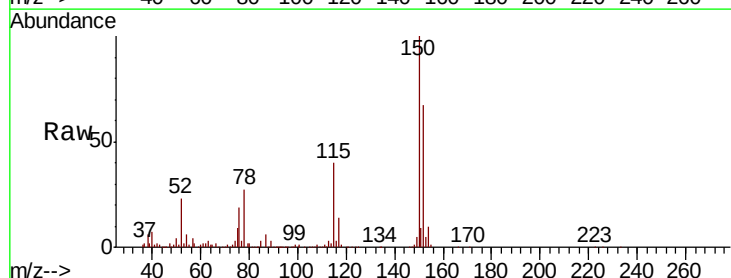
Instrument :
MSVOA_W
ClientSampleId :
PL-01-011819-B

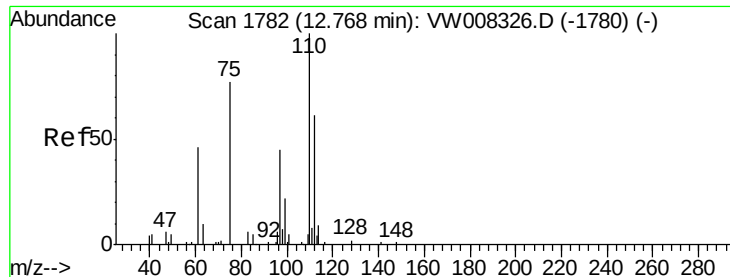
Tgt Ion:106 Resp: 3767
Ion Ratio Lower Upper
106 100
91 186.8 158.4 237.6



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.56 min Scan# 1912
Delta R.T. 0.00 min
Lab File: VW008361.D
Acq: 18 Jan 2019 17:29

Tgt Ion:152 Resp: 61461
Ion Ratio Lower Upper
152 100
115 59.0 28.8 86.4
150 150.5 0.0 351.4





#76

1,2,3-Trichloropropane

Concen: 60.145 ug/l

RT: 12.62 min Scan# 1758

Delta R.T. -0.15 min

Lab File: VW008361.D

Acq: 18 Jan 2019 17:29

Instrument :

MSVOA_W

ClientSampleId :

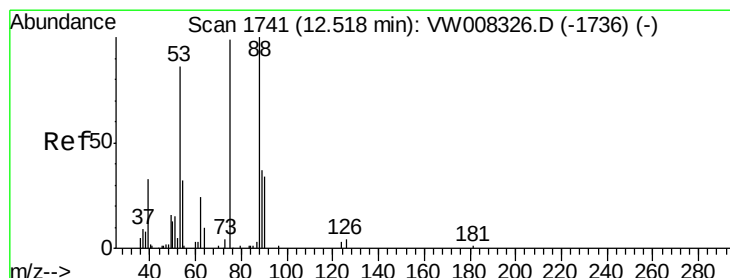
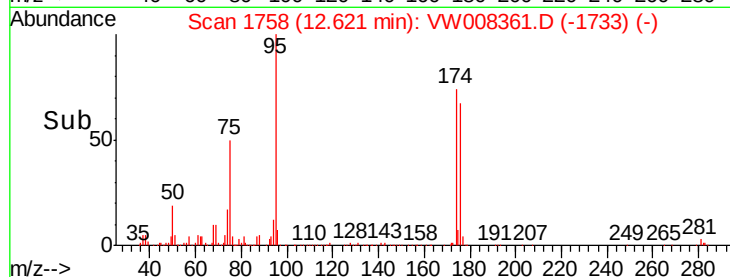
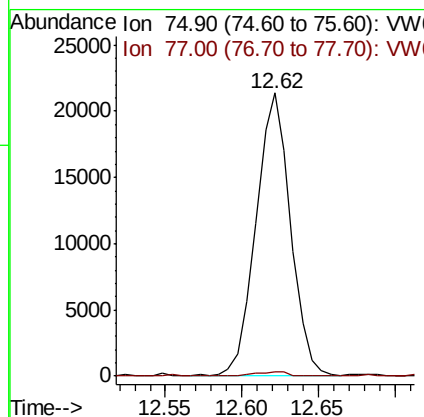
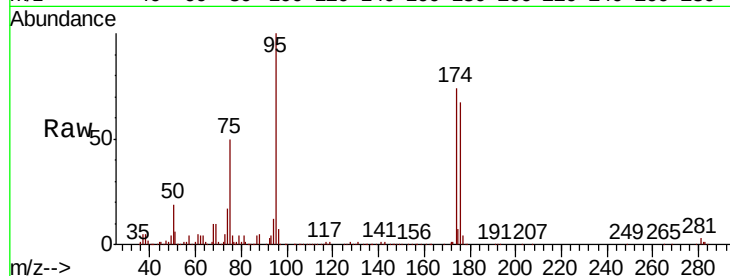
PL-01-011819-B

Tgt Ion: 75 Resp: 33663

Ion Ratio Lower Upper

75 100

77 1.6 175.3 526.1#



#81

trans-1,4-Dichloro-2-butene

Concen: 143.531 ug/l

RT: 12.62 min Scan# 1758

Delta R.T. 0.10 min

Lab File: VW008361.D

Acq: 18 Jan 2019 17:29

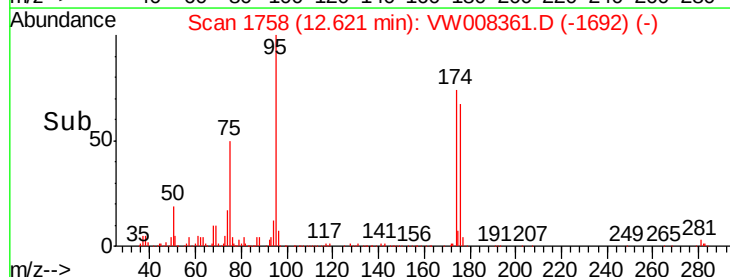
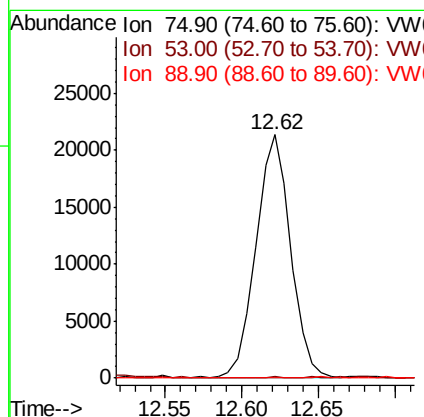
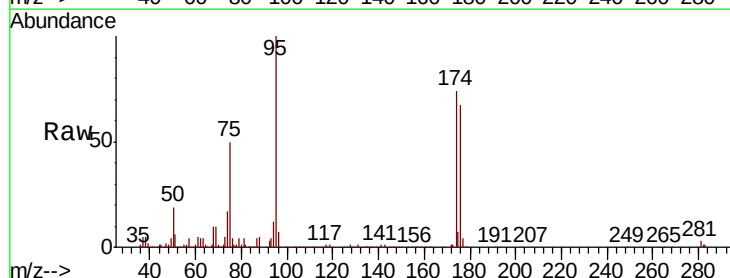
Tgt Ion: 75 Resp: 33663

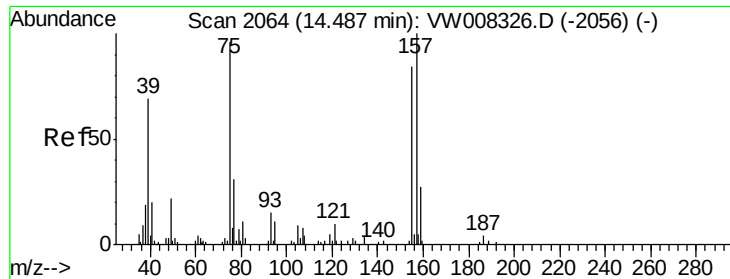
Ion Ratio Lower Upper

75 100

53 0.4 76.2 114.4#

89 0.0 36.7 55.1#

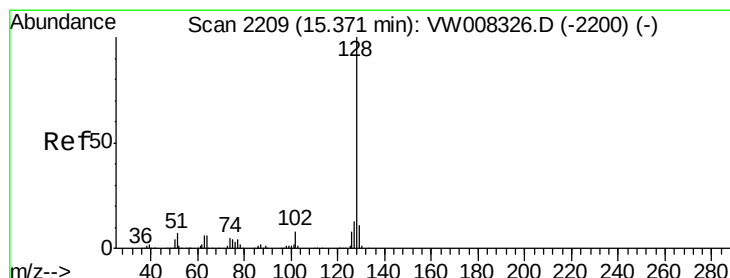
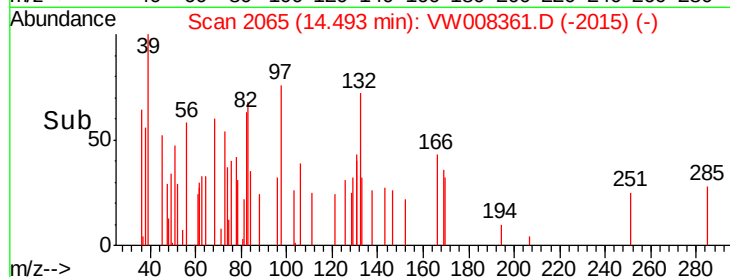
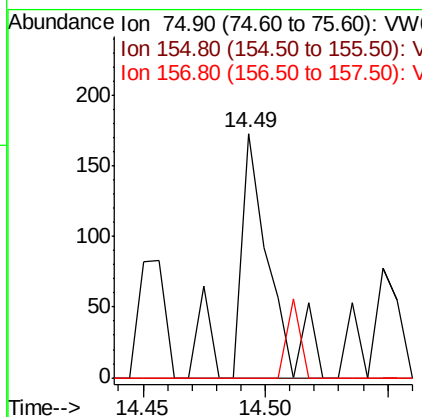
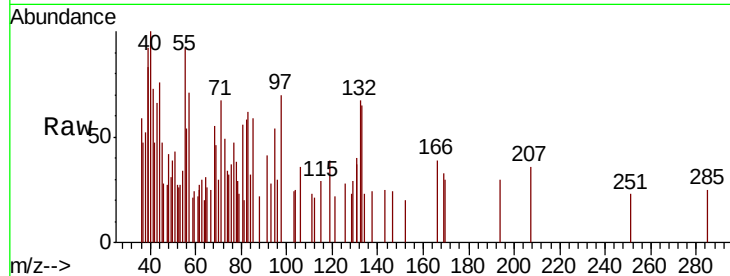




#92
 1,2-Dibromo-3-Chloropropane
 Concen: 1.293 ug/l
 RT: 14.49 min Scan# 2065
 Delta R.T. 0.01 min
 Lab File: VW008361.D
 Acq: 18 Jan 2019 17:29

Instrument :
 MSVOA_W
 ClientSampleId :
 PL-01-011819-B

Tgt Ion: 75 Resp: 161
 Ion Ratio Lower Upper
 75 100
 155 0.0 44.7 134.1#
 157 12.4 53.9 161.8#



#95
 Naphthalene
 Concen: 64.965 ug/l
 RT: 15.37 min Scan# 2209
 Delta R.T. 0.00 min
 Lab File: VW008361.D
 Acq: 18 Jan 2019 17:29

Tgt Ion: 128 Resp: 154986
 Ion Ratio Lower Upper
 128 100
 127 13.7 10.5 15.7
 129 11.0 8.8 13.2

