

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW011819\
 Data File : VW008363.D
 Acq On : 18 Jan 2019 18:23
 Operator : SY/VA
 Sample : K1013-07
 Misc : 6.11G/5ML/MSVOA W/SOIL
 ALS Vial : 17 Sample Multiplier: 1

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

Quant Time: Jan 19 04:37:31 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

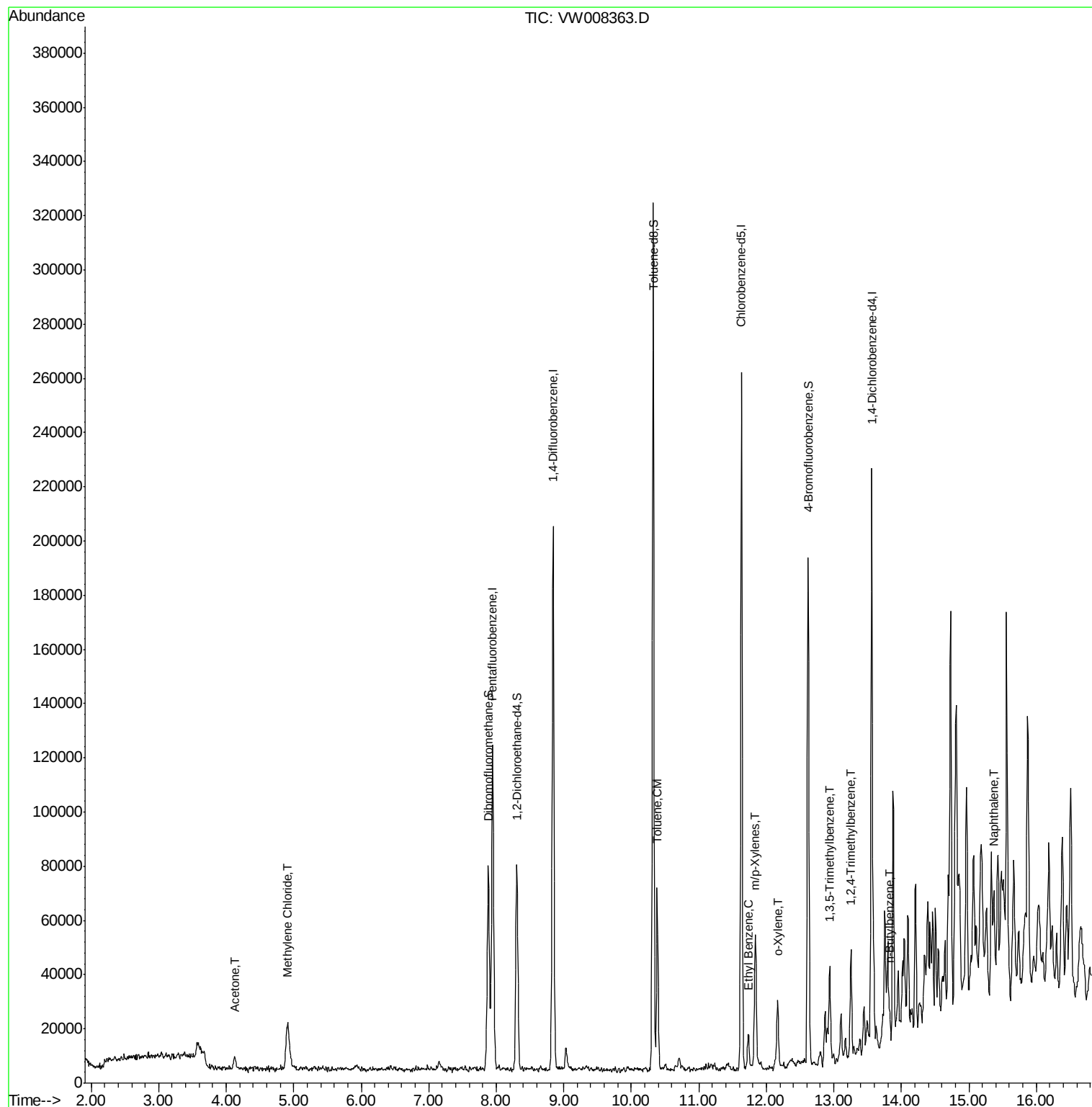
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	83331	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	161399	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	137087	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	51367	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.30	65	56353	65.01	ug/l	0.00
Spiked Amount	50.000		Recovery	=	130.02%	
35) Dibromofluoromethane	7.88	113	54030	52.44	ug/l	0.00
Spiked Amount	50.000		Recovery	=	104.88%	
50) Toluene-d8	10.32	98	204703	50.58	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.16%	
62) 4-Bromofluorobenzene	12.62	95	60365	41.58	ug/l	0.00
Spiked Amount	50.000		Recovery	=	83.16%	
Target Compounds						
					Qvalue	
16) Acetone	4.13	43	7915	39.317	ug/l	97
20) Methylene Chloride	4.91	84	15959	14.571	ug/l	90
52) Toluene	10.38	92	28360	9.743	ug/l	99
67) Ethyl Benzene	11.74	91	8938	1.722	ug/l	97
68) m/p-Xylenes	11.83	106	13501	6.700	ug/l	93
69) o-Xylene	12.17	106	6044	3.210	ug/l	98
80) 1,3,5-Trimethylbenzene	12.94	105	8716	2.791	ug/l	98
84) 1,2,4-Trimethylbenzene	13.26	105	21028	6.609	ug/l	98
89) n-Butylbenzene	13.83	91	10616	3.211	ug/l #	68
95) Naphthalene	15.37	128	25063	14.449	ug/l #	91

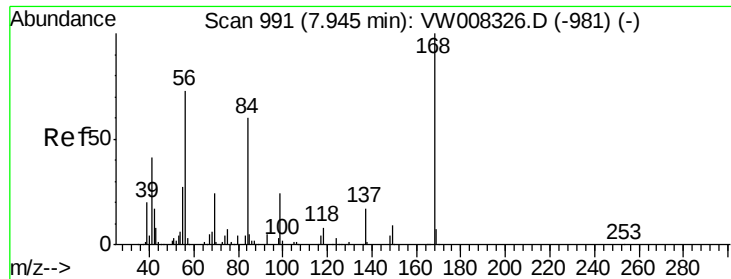
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA W\DATA\VW011819\
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Quant Time: Jan 19 04:37:31 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: VW008363.D

Acq: 18 Jan 2019 18:23

Instrument :

MSVOA_W

ClientSampleId :

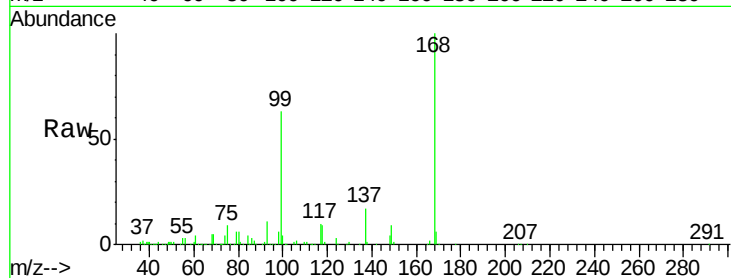
PL-01-011819-D

Tot Ion:168 Resp: 83331

Ion Ratio Lower Upper

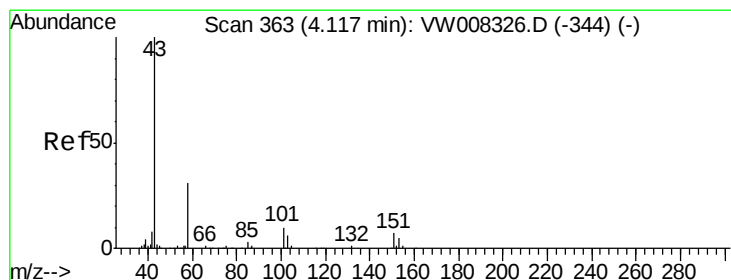
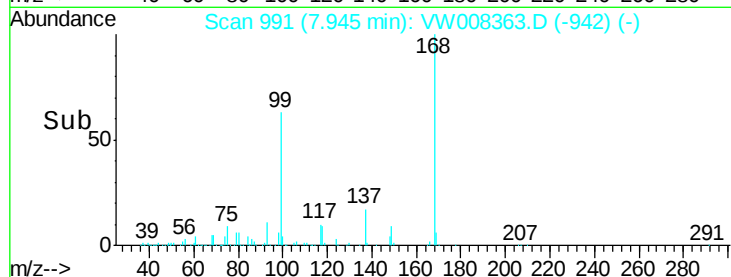
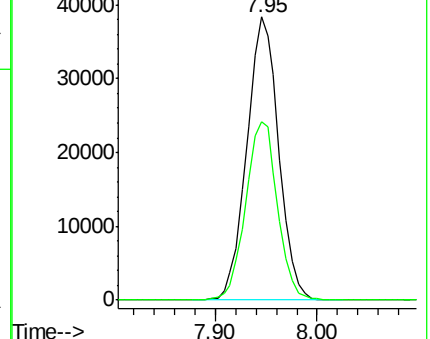
168 100

99 62.9 44.6 66.8



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW



#16

Acetone

Concen: 39.317 ug/l

RT: 4.13 min Scan# 365

Delta R.T. 0.01 min

Lab File: VW008363.D

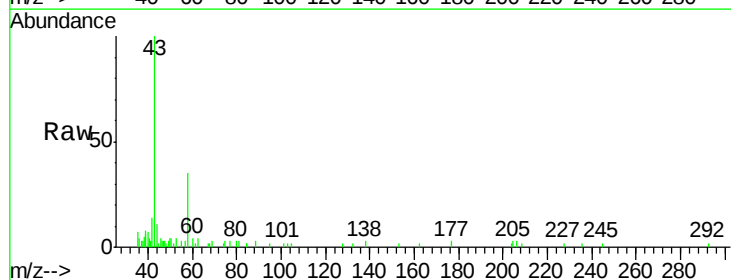
Acq: 18 Jan 2019 18:23

Tgt Ion: 43 Resp: 7915

Ion Ratio Lower Upper

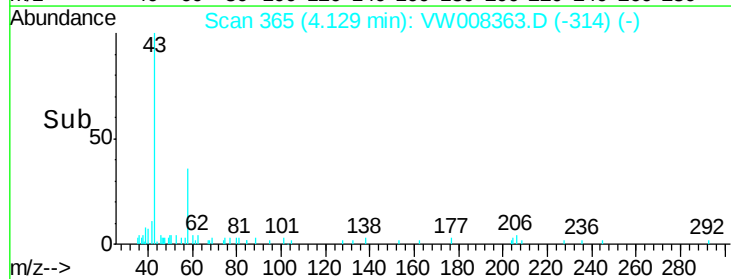
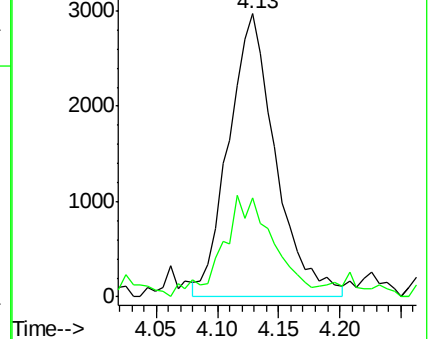
43 100

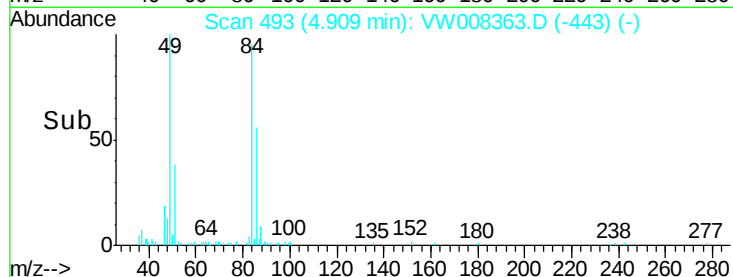
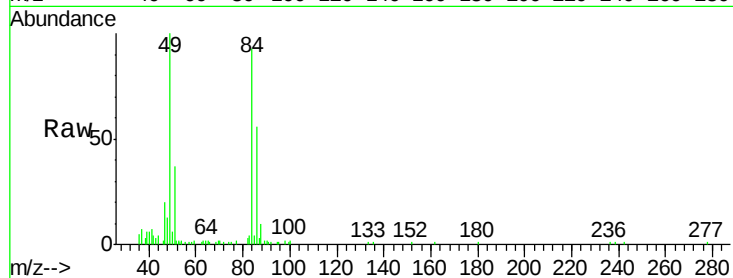
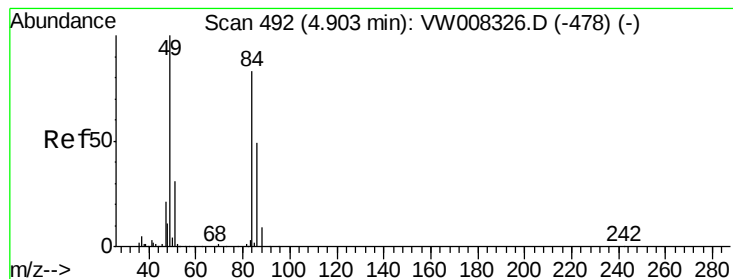
58 32.6 24.7 37.1



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW





#20

Methylene Chloride

Concen: 14.571 ug/l

RT: 4.91 min Scan# 493

Delta R.T. 0.01 min

Lab File: VW008363.D

Acq: 18 Jan 2019 18:23

Instrument :

MSVOA_W

ClientSampleId :

PL-01-011819-D

Tot Ion: 84 Resp: 15959

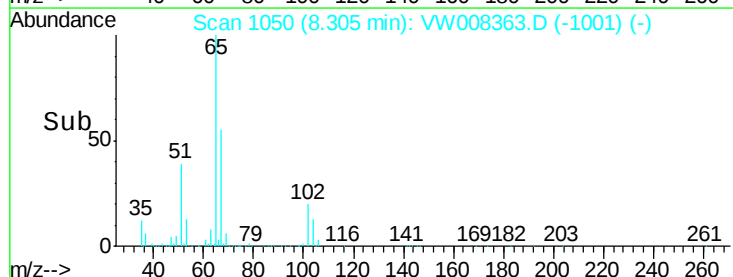
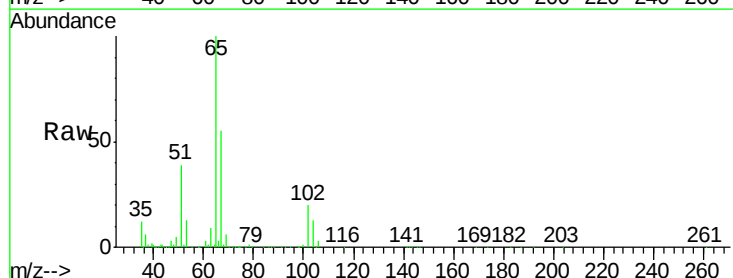
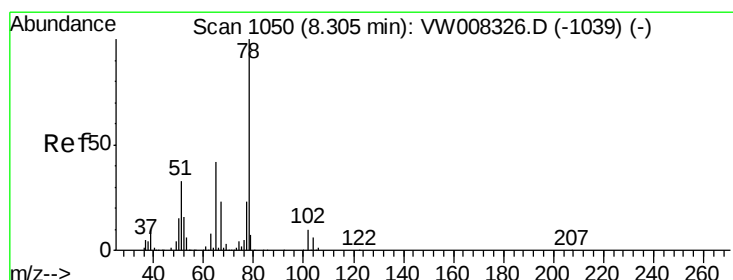
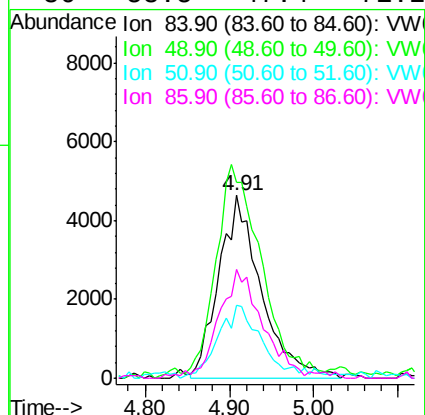
Ion Ratio Lower Upper

84 100

49 101.6 95.9 143.9

51 37.7 29.3 43.9

86 58.5 47.4 71.2



#33

1,2-Dichloroethane-d4

Concen: 65.010 ug/l

RT: 8.30 min Scan# 1050

Delta R.T. -0.00 min

Lab File: VW008363.D

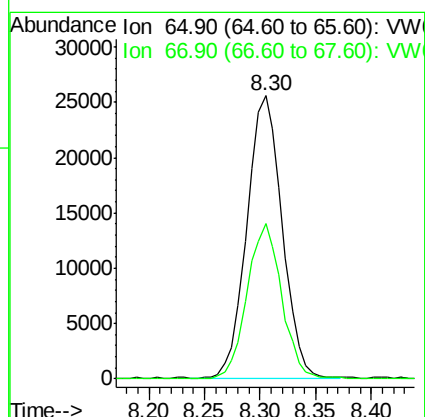
Acq: 18 Jan 2019 18:23

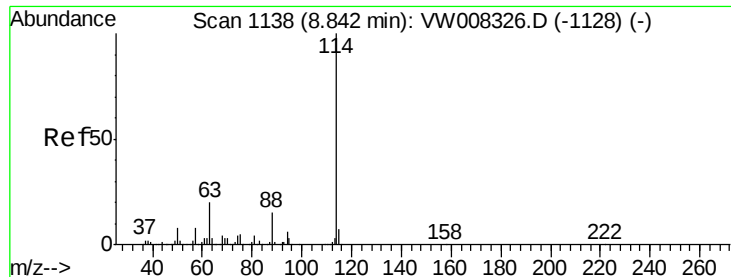
Tgt Ion: 65 Resp: 56353

Ion Ratio Lower Upper

65 100

67 54.1 0.0 106.2

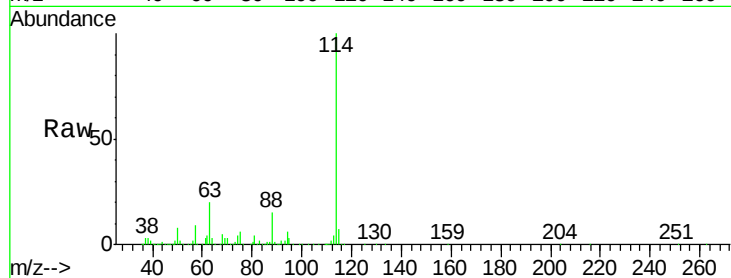




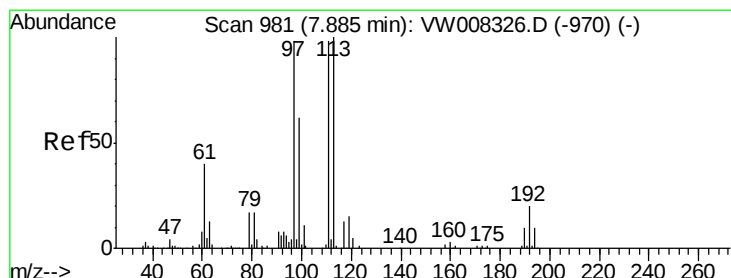
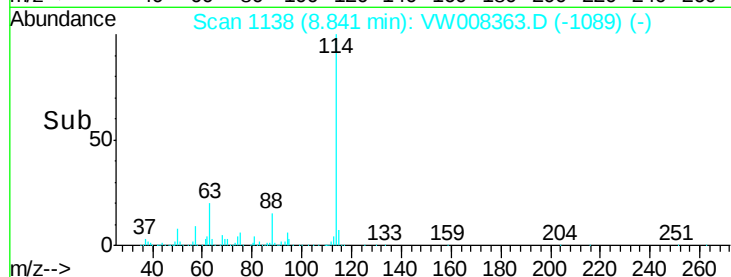
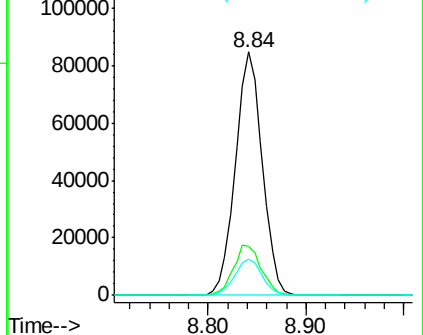
#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.84 min Scan# 1138
 Delta R.T. -0.00 min
 Lab File: VW008363.D
 Acq: 18 Jan 2019 18:23

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

Tot Ion	Ratio	Lower	Upper
114	100		
63	20.2	0.0	40.8
88	15.1	0.0	30.4

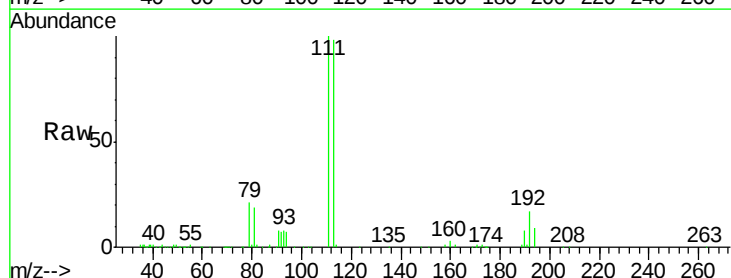


Abundance Ion 113.90 (113.60 to 114.60): V
 Ion 63.00 (62.70 to 63.70): VW
 Ion 87.90 (87.60 to 88.60): VW

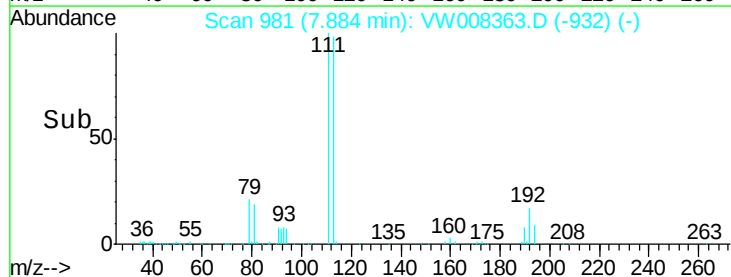
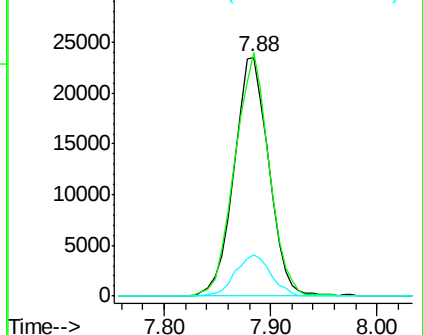


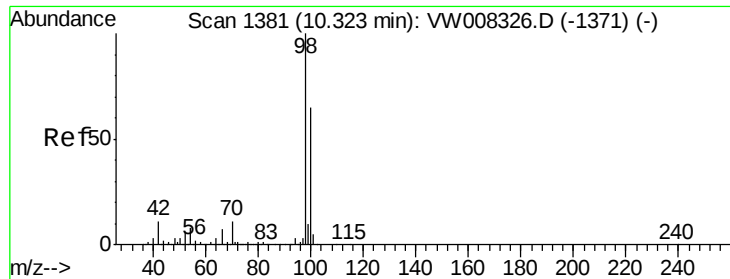
#35
 Dibromofluoromethane
 Concen: 52.443 ug/l
 RT: 7.88 min Scan# 981
 Delta R.T. -0.00 min
 Lab File: VW008363.D
 Acq: 18 Jan 2019 18:23

Tgt Ion	Ratio	Lower	Upper
113	100		
111	100.8	81.8	122.8
192	17.9	16.3	24.5



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





#50

Toluene-d8

Concen: 50.576 ug/l

RT: 10.32 min Scan# 1381

Delta R.T. -0.00 min

Lab File: VW008363.D

Acq: 18 Jan 2019 18:23

Instrument :

MSVOA_W

ClientSampleId :

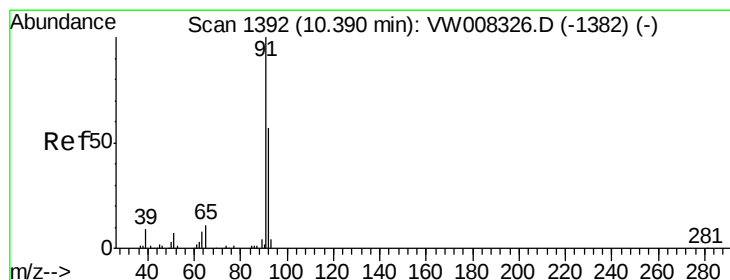
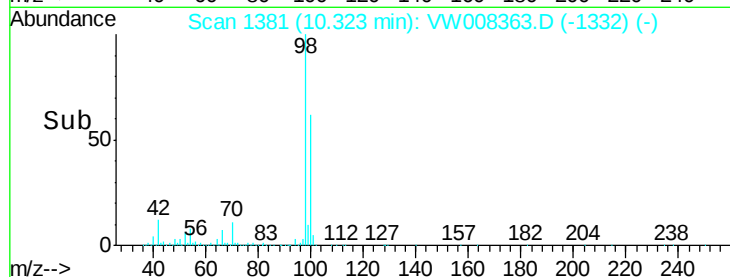
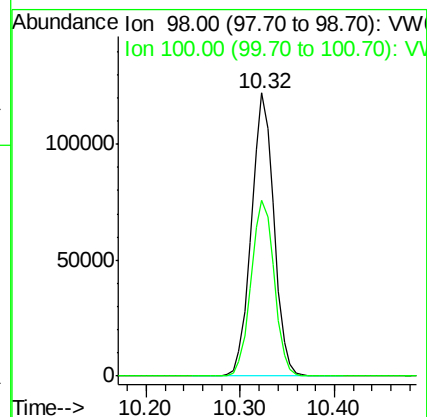
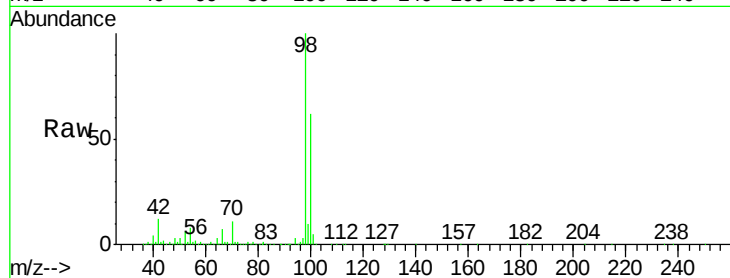
PL-01-011819-D

Tot Ion: 98 Resp: 204703

Ion Ratio Lower Upper

98 100

100 64.0 51.8 77.8



#52

Toluene

Concen: 9.743 ug/l

RT: 10.38 min Scan# 1391

Delta R.T. -0.01 min

Lab File: VW008363.D

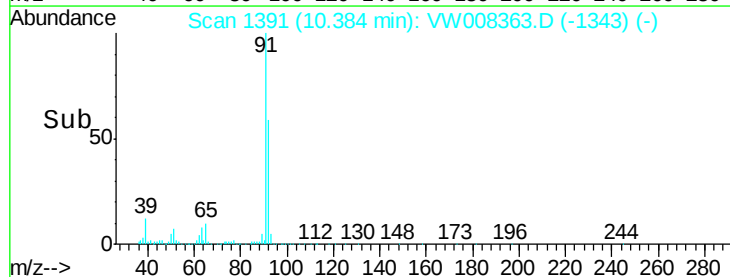
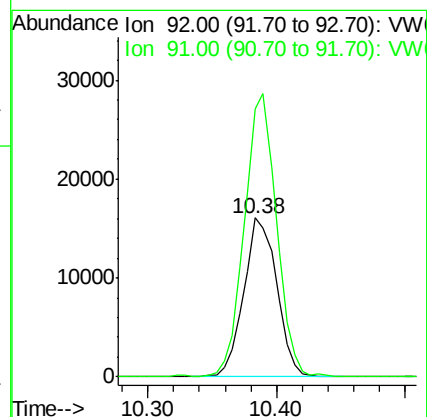
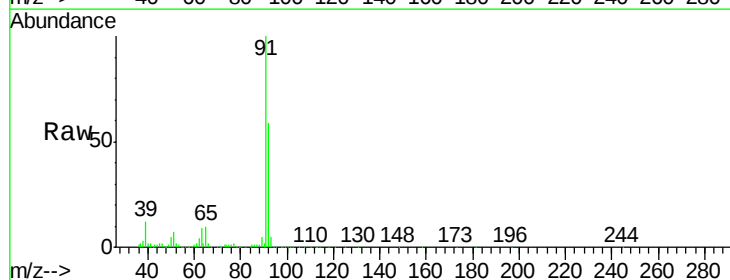
Acq: 18 Jan 2019 18:23

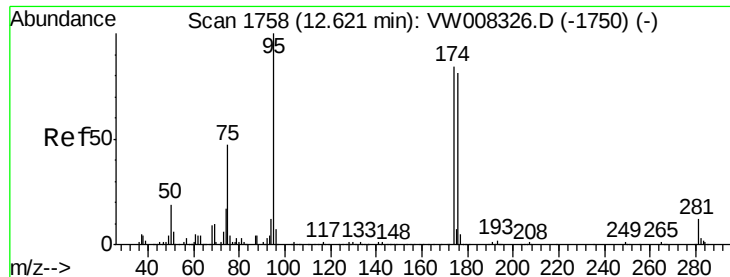
Tgt Ion: 92 Resp: 28360

Ion Ratio Lower Upper

92 100

91 173.4 140.2 210.2





#62

4-Bromofluorobenzene

Concen: 41.585 ug/l

RT: 12.62 min Scan# 1758

Delta R.T. -0.00 min

Lab File: VW008363.D

Acq: 18 Jan 2019 18:23

Instrument :

MSVOA_W

ClientSampleId :

PL-01-011819-D

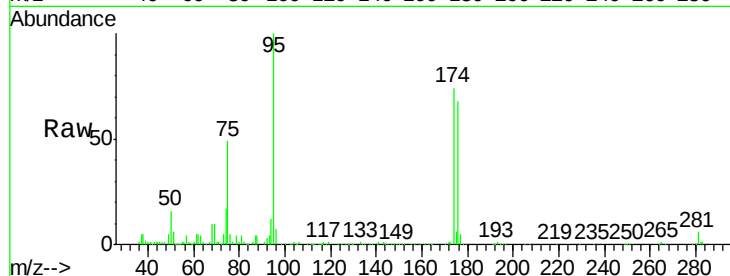
Tot Ion: 95 Resp: 60365

Ion Ratio Lower Upper

95 100

174 75.2 0.0 166.0

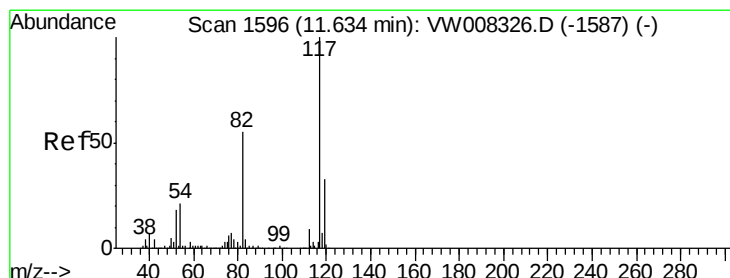
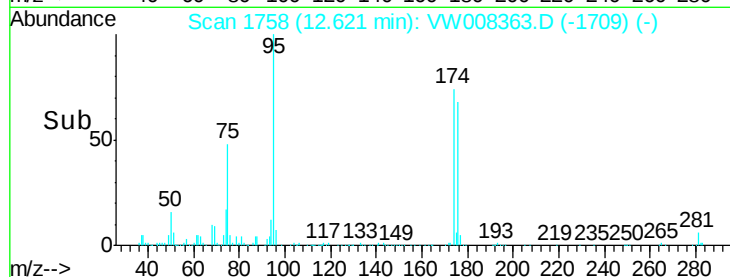
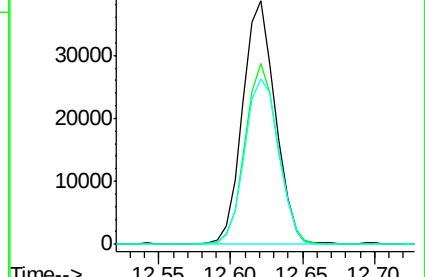
176 71.7 0.0 160.0



Abundance Ion 94.90 (94.60 to 95.60): VW

Ion 173.80 (173.50 to 174.50): VW

Ion 175.80 (175.50 to 176.50): VW



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.63 min Scan# 1596

Delta R.T. -0.00 min

Lab File: VW008363.D

Acq: 18 Jan 2019 18:23

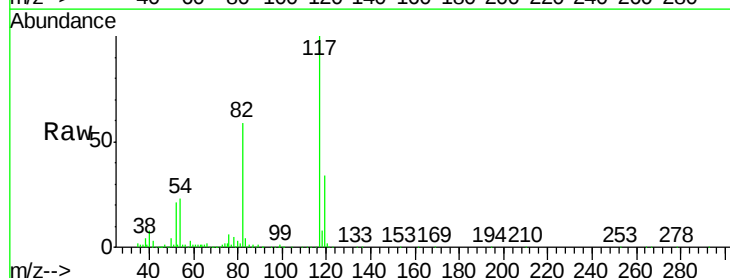
Tgt Ion: 117 Resp: 137087

Ion Ratio Lower Upper

117 100

82 58.6 44.3 66.5

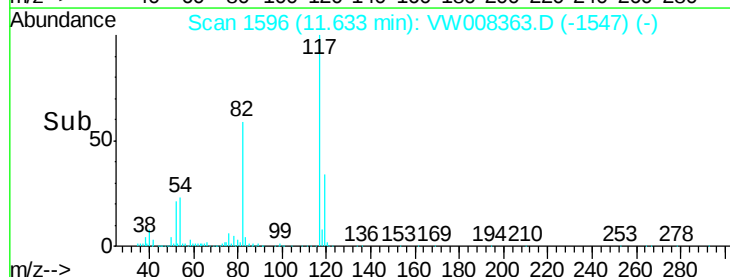
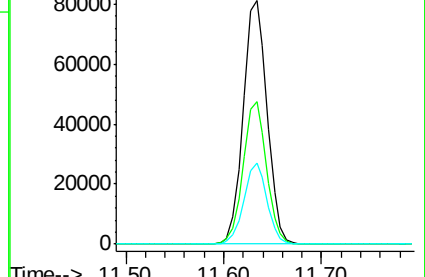
119 33.6 26.3 39.5

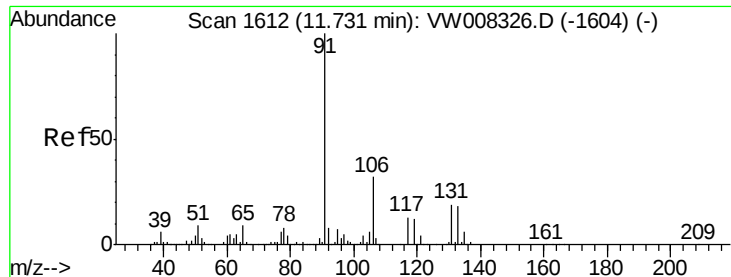


Abundance Ion 116.90 (116.60 to 117.60): VW

Ion 82.00 (81.70 to 82.70): VW

Ion 118.90 (118.60 to 119.60): VW

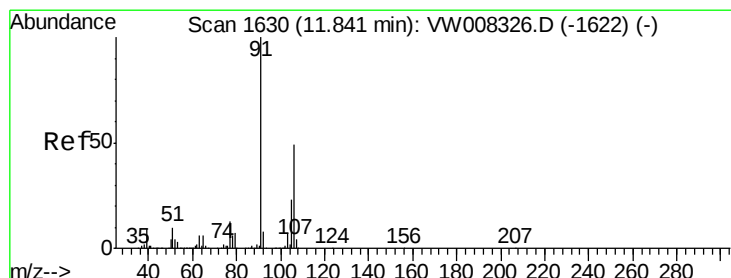
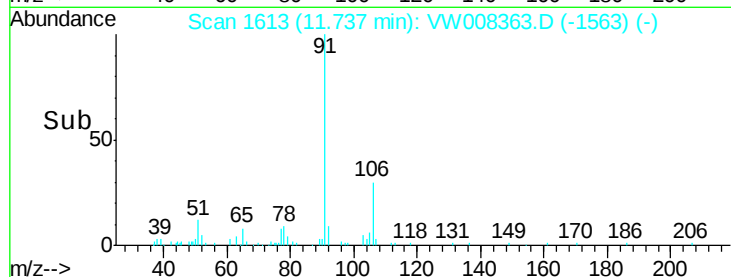
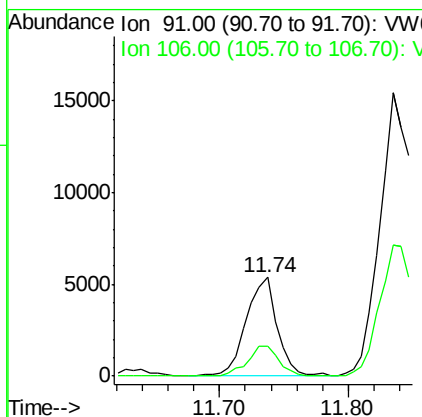
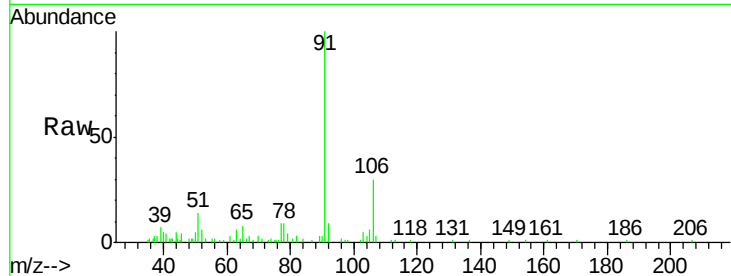




#67
Ethyl Benzene
Concen: 1.722 ug/l
RT: 11.74 min Scan# 1613
Delta R.T. 0.01 min
Lab File: VW008363.D
Acq: 18 Jan 2019 18:23

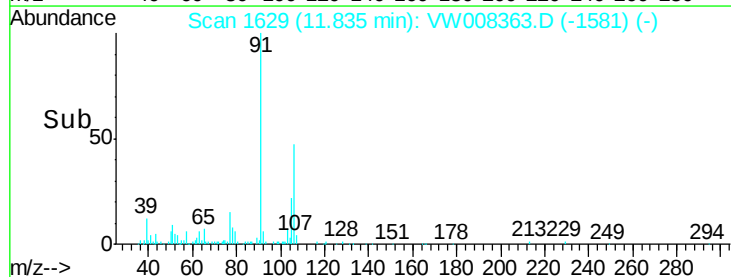
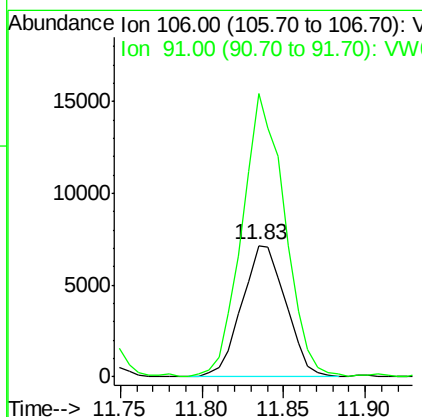
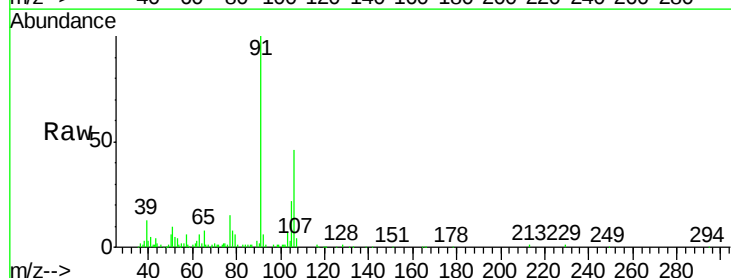
Instrument :
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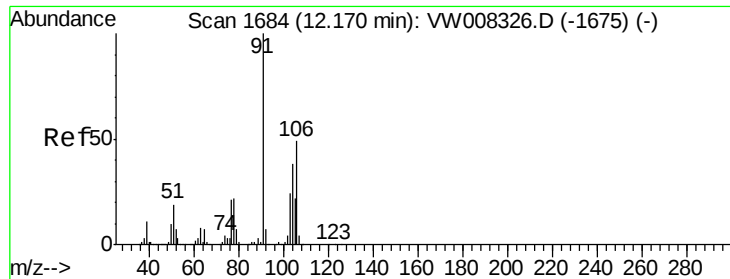
Tot Ion: 91 Resp: 8938
Ion Ratio Lower Upper
91 100
106 30.1 25.4 38.2



#68
m/p-Xylenes
Concen: 6.700 ug/l
RT: 11.83 min Scan# 1629
Delta R.T. -0.01 min
Lab File: VW008363.D
Acq: 18 Jan 2019 18:23

Tgt Ion: 106 Resp: 13501
Ion Ratio Lower Upper
106 100
91 208.3 158.4 237.6

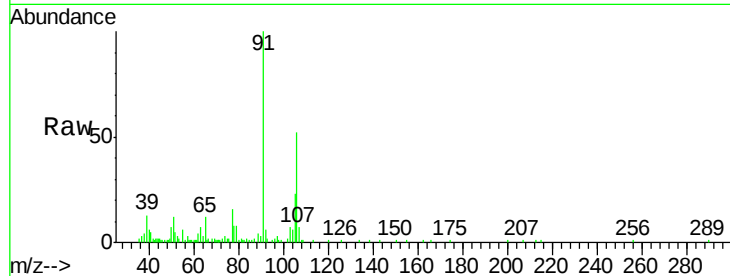




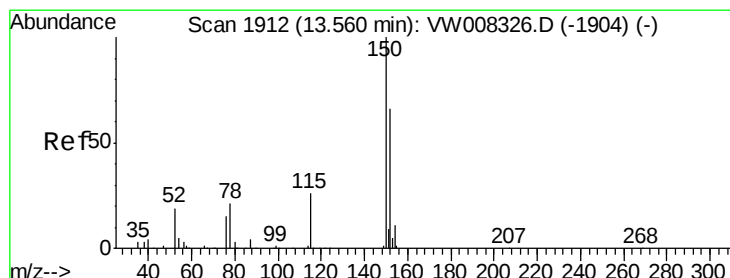
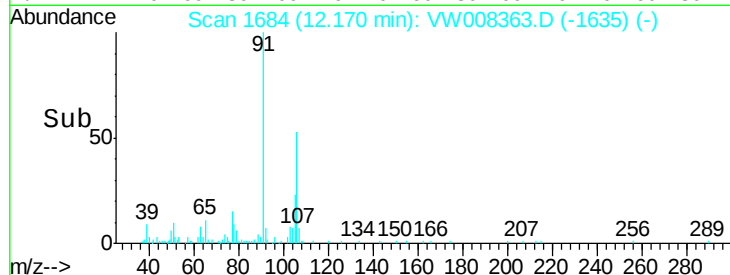
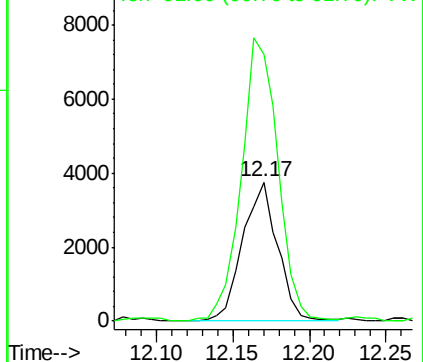
#69
o-Xylene
Concen: 3.210 ug/l
RT: 12.17 min Scan# 1684
Delta R.T. -0.00 min
Lab File: VW008363.D
Acq: 18 Jan 2019 18:23

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

Tot Ion:106 Resp: 6044
Ion Ratio Lower Upper
106 100
91 210.7 104.1 312.3

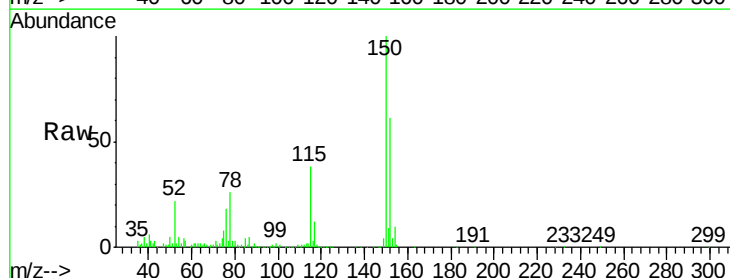


Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): VW

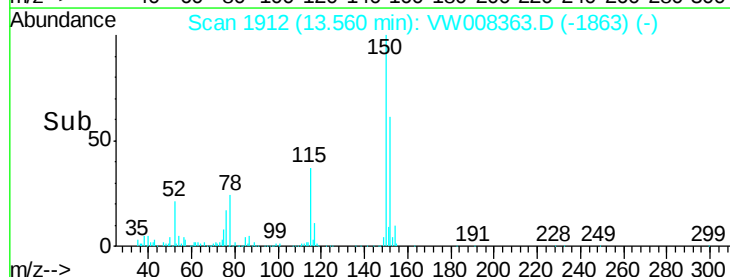
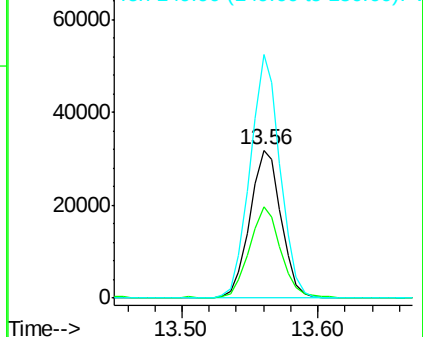


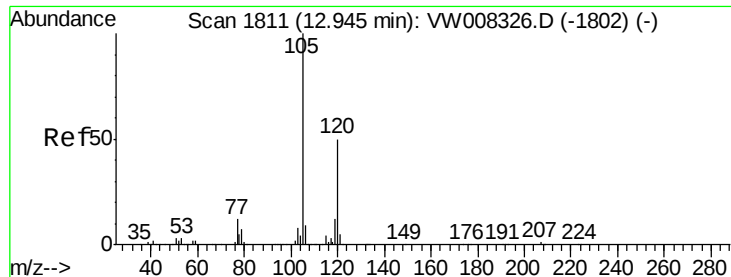
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.56 min Scan# 1912
Delta R.T. -0.00 min
Lab File: VW008363.D
Acq: 18 Jan 2019 18:23

Tgt Ion:152 Resp: 51367
Ion Ratio Lower Upper
152 100
115 61.3 28.8 86.4
150 157.8 0.0 351.4



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





#80

1,3,5-Trimethylbenzene

Concen: 2.791 ug/l

RT: 12.94 min Scan# 1811

Delta R.T. -0.00 min

Lab File: VW008363.D

Acq: 18 Jan 2019 18:23

Instrument :

MSVOA_W

ClientSampleId :

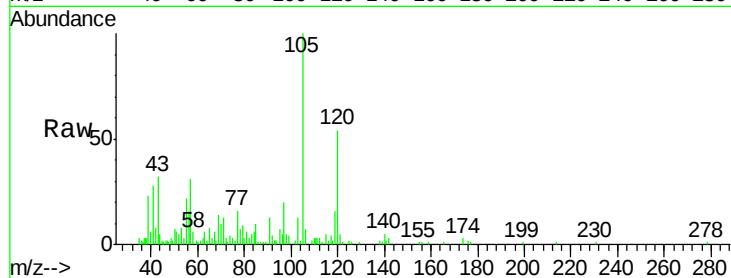
PL-01-011819-D

Tot Ion:105 Resp: 8716

Ion Ratio Lower Upper

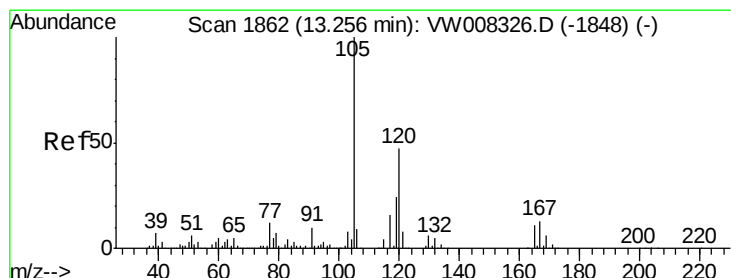
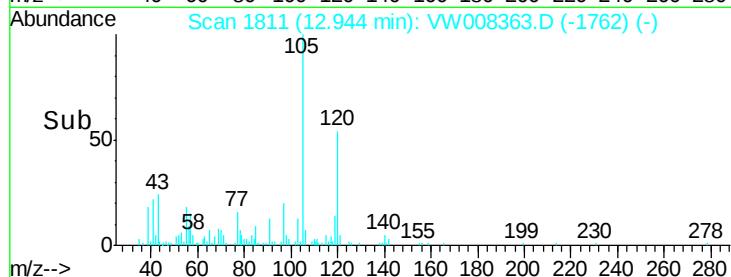
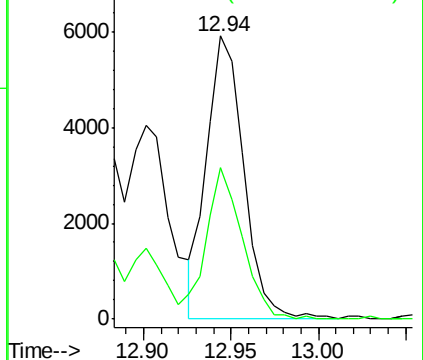
105 100

120 52.4 25.6 76.8



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#84

1,2,4-Trimethylbenzene

Concen: 6.609 ug/l

RT: 13.26 min Scan# 1862

Delta R.T. -0.00 min

Lab File: VW008363.D

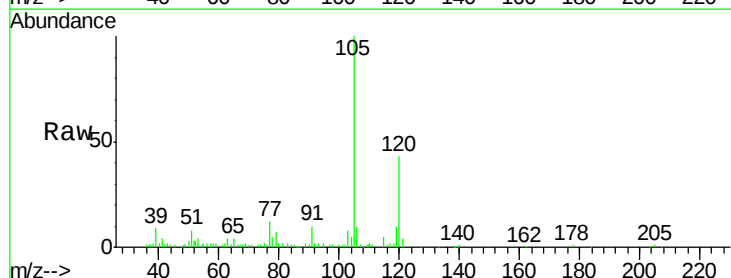
Acq: 18 Jan 2019 18:23

Tgt Ion:105 Resp: 21028

Ion Ratio Lower Upper

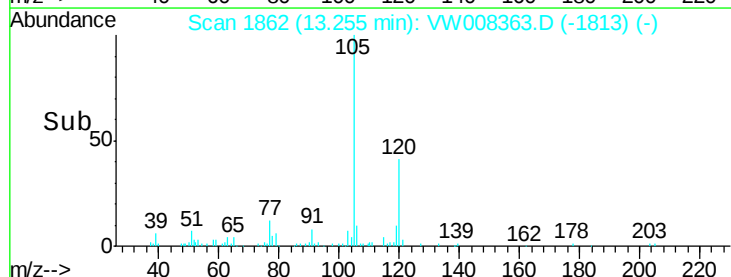
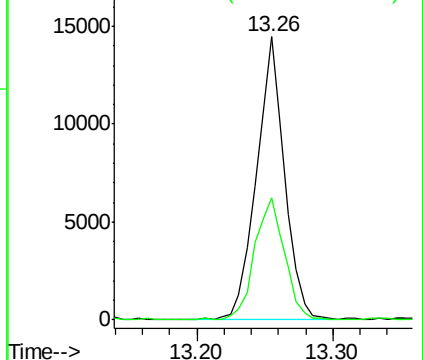
105 100

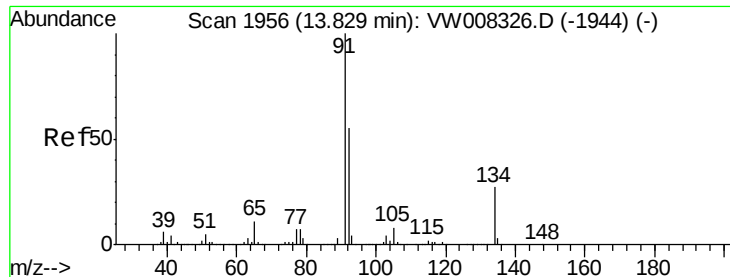
120 45.8 23.5 70.6



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

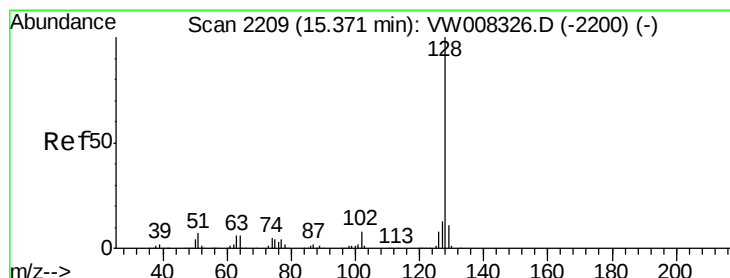
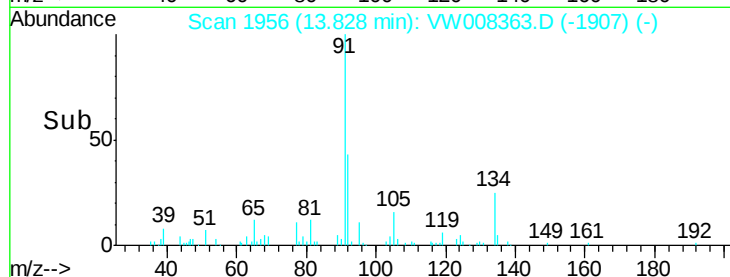
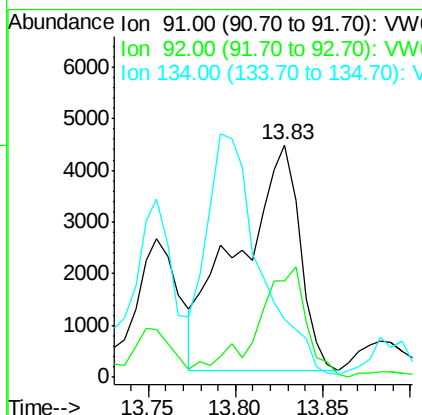
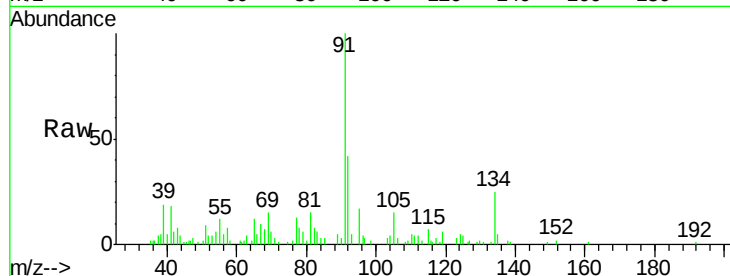




#89
n-Butylbenzene
Concen: 3.211 ug/l
RT: 13.83 min Scan# 1956
Delta R.T. -0.00 min
Lab File: VW008363.D
Acq: 18 Jan 2019 18:23

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

Tot Ion: 91 Resp: 10616
Ion Ratio Lower Upper
91 100
92 38.4 27.2 81.6
134 0.0 13.4 40.1#



#95
Naphthalene
Concen: 14.449 ug/l
RT: 15.37 min Scan# 2209
Delta R.T. 0.00 min
Lab File: VW008363.D
Acq: 18 Jan 2019 18:23

Tgt Ion: 128 Resp: 25063
Ion Ratio Lower Upper
128 100
127 16.2 10.5 15.7#
129 14.8 8.8 13.2#

