

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW071718\
 Data File : VW004010.D
 Acq On : 18 Jul 2018 04:19
 Operator : VA/AP
 Sample : J3821-05RE
 Misc : 5.94G/5ML/MSVOA W/SOIL
 ALS Vial : 41 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 HR-05-071218-CRE

Quant Time: Jul 18 07:42:08 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W071618S.M
 Quant Title : SW846 8260
 QLast Update : Mon Jul 16 15:06:12 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	157243	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.85	114	260804	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.64	117	73823	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.57	152	67442	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	131448	74.79	ug/l	0.00
Spiked Amount			Recovery	=	149.58%	
35) Dibromofluoromethane	7.88	113	81104	48.47	ug/l	0.00
Spiked Amount			Recovery	=	96.94%	
50) Toluene-d8	10.33	98	52874	8.14	ug/l	0.00
Spiked Amount			Recovery	=	16.28%	
62) 4-Bromofluorobenzene	12.62	95	72123	30.80	ug/l	0.00
Spiked Amount			Recovery	=	61.60%	

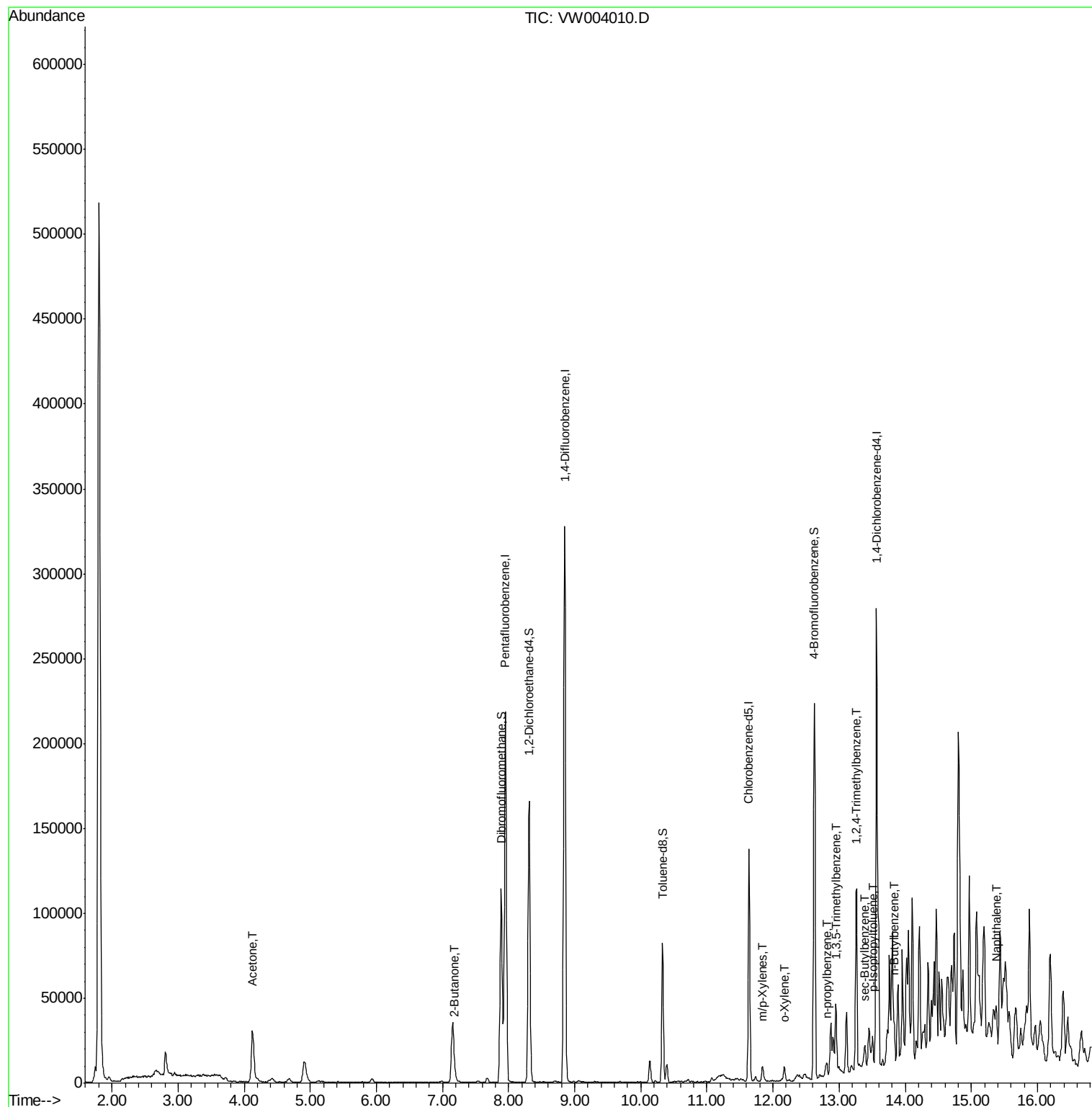
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
16) Acetone	4.12	43	52597	124.53	ug/l	99
25) 2-Butanone	7.19	43	6829	12.01	ug/l	99
68) m/p-Xylenes	11.84	106	2404	2.28	ug/l	87
69) o-Xylene	12.18	106	2019	2.07	ug/l	98
78) n-propylbenzene	12.82	91	6027	1.03	ug/l	99
80) 1,3,5-Trimethylbenzene	12.95	105	15791	3.94	ug/l	95
84) 1,2,4-Trimethylbenzene	13.26	105	59237	14.36	ug/l	98
85) sec-Butylbenzene	13.39	105	6528	1.31	ug/l	81
86) p-Isopropyltoluene	13.51	119	7951	1.81	ug/l	91
89) n-Butylbenzene	13.83	91	10962	2.54	ug/l #	80
95) Naphthalene	15.38	128	7240	2.75	ug/l #	93

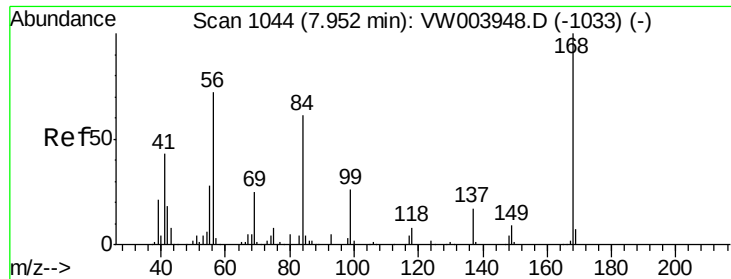
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA W\DATA\VW071718\
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Quant Title : SW846 8260
QLast Update : Mon Jul 16 15:06:12 2018
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 7.95 min Scan# 1044

Delta R.T. 0.00 min

Lab File: VW004010.D

Acq: 18 Jul 2018 04:19

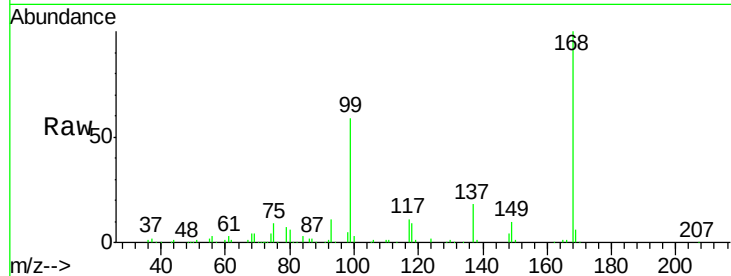
Instrument :
MSVOA_W
ClientSampleId :
HR-05-071218-CRE

Tot Ion:168 Resp: 157243

Ion Ratio Lower Upper

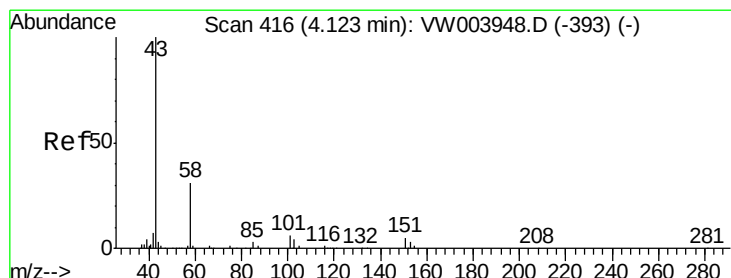
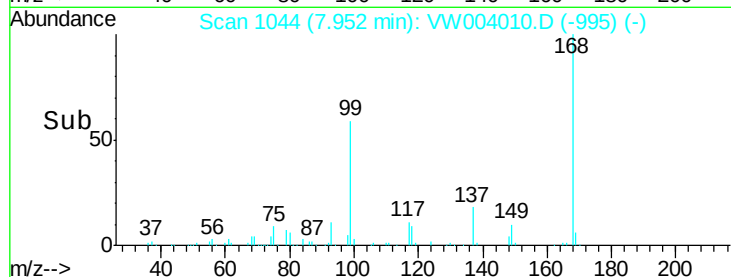
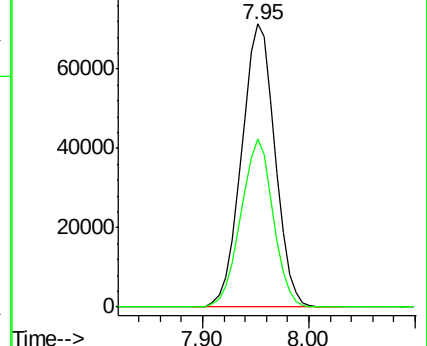
168 100

99 59.5 43.8 65.6



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW



#16

Acetone

Concen: 124.53 ug/l

RT: 4.12 min Scan# 416

Delta R.T. 0.00 min

Lab File: VW004010.D

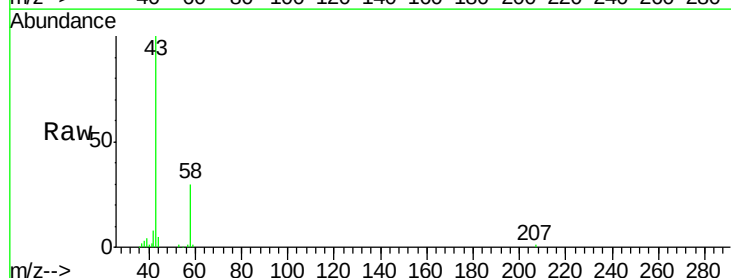
Acq: 18 Jul 2018 04:19

Tgt Ion: 43 Resp: 52597

Ion Ratio Lower Upper

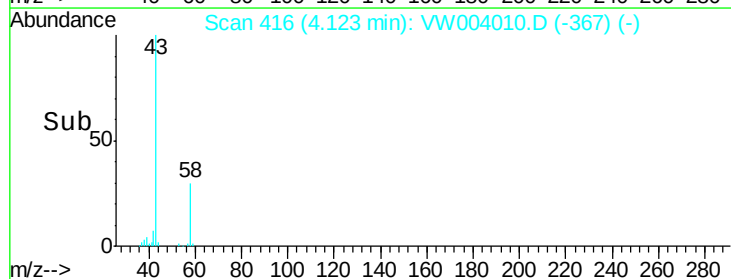
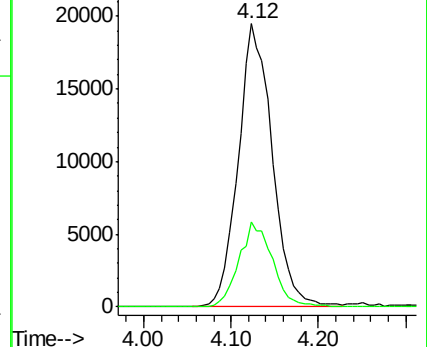
43 100

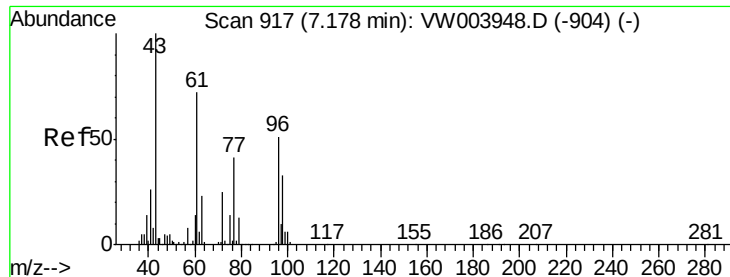
58 30.3 24.5 36.7



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW





#25

2-Butanone

Concen: 12.01 ug/l

RT: 7.19 min Scan# 919

Delta R.T. 0.01 min

Lab File: VW004010.D

Acq: 18 Jul 2018 04:19

Instrument :

MSVOA_W

ClientSampleId :

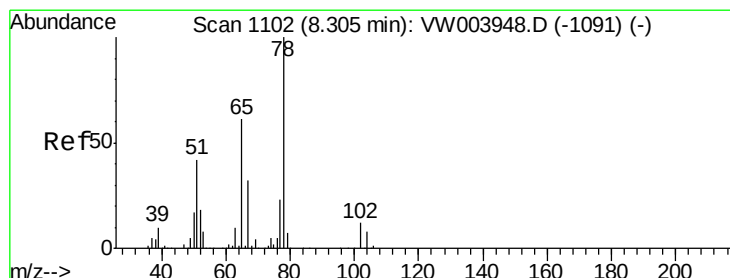
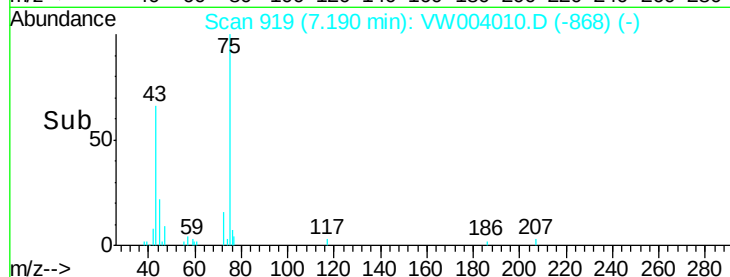
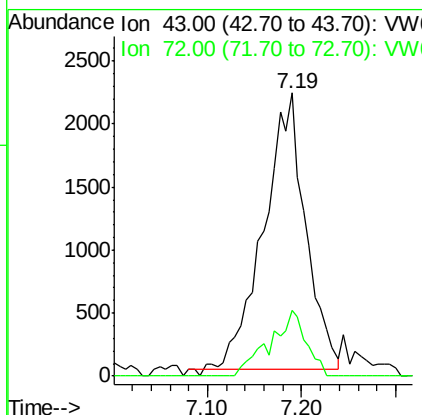
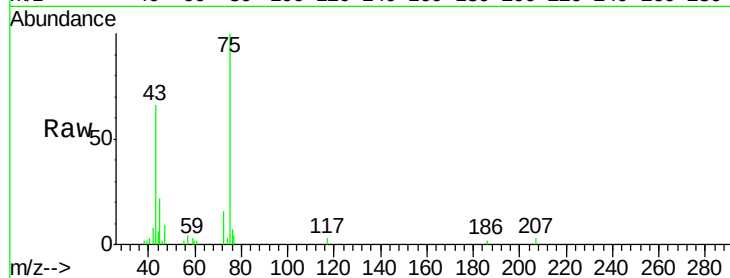
HR-05-071218-CRE

Tot Ion: 43 Resp: 6829

Ion Ratio Lower Upper

43 100

72 24.0 19.8 29.6



#33

1,2-Dichloroethane-d4

Concen: 74.79 ug/l

RT: 8.31 min Scan# 1103

Delta R.T. 0.01 min

Lab File: VW004010.D

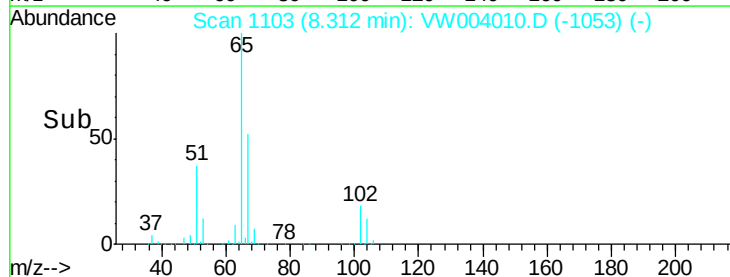
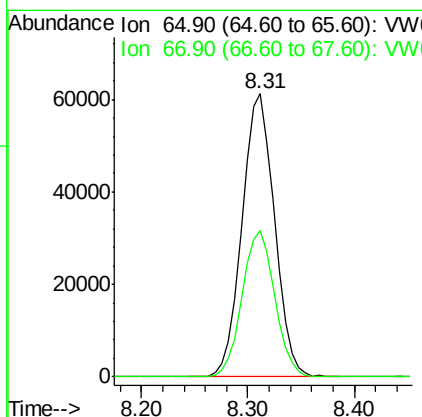
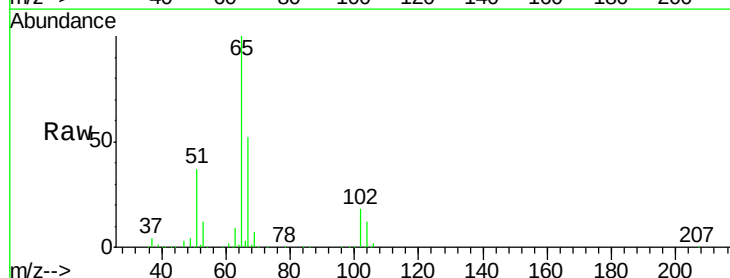
Acq: 18 Jul 2018 04:19

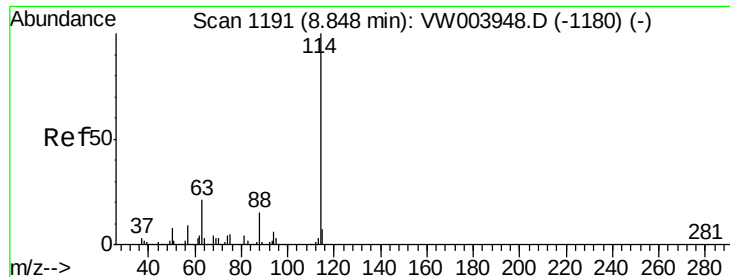
Tgt Ion: 65 Resp: 131448

Ion Ratio Lower Upper

65 100

67 51.9 0.0 105.0

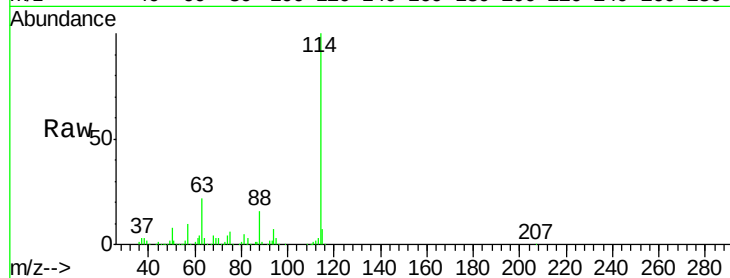




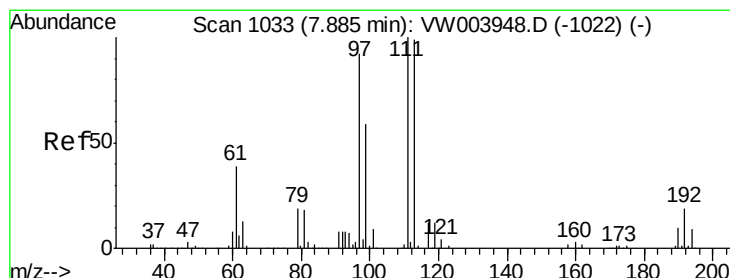
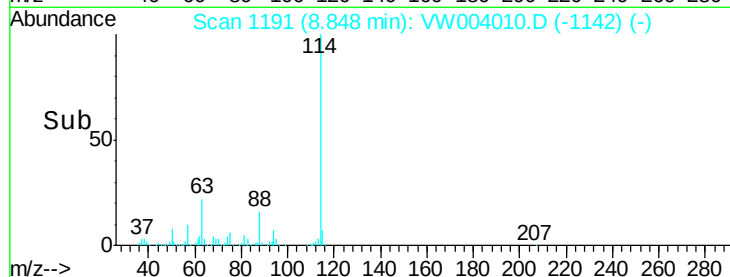
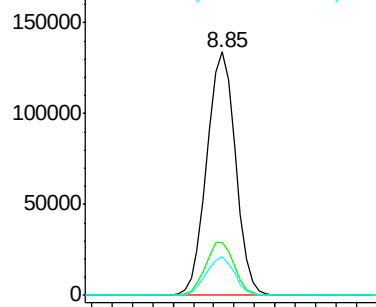
#34
1,4-Difluorobenzene
Concen: 50.00 ug/l
RT: 8.85 min Scan# 1191
Delta R.T. 0.00 min
Lab File: VW004010.D
Acq: 18 Jul 2018 04:19

Instrument :
MSVOA_W
ClientSampleId :
HR-05-071218-CRE

Tot Ion:114 Resp: 260804
Ion Ratio Lower Upper
114 100
63 21.7 0.0 42.8
88 15.9 0.0 30.4

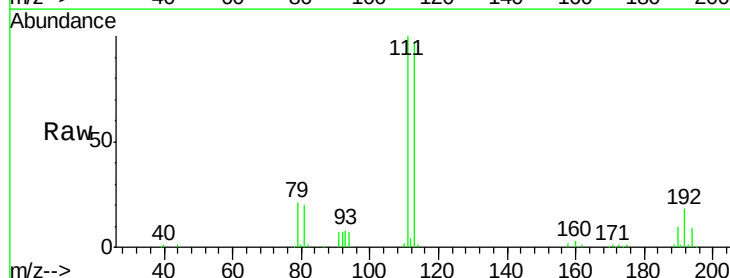


Abundance Ion 113.90 (113.60 to 114.60): V
Ion 63.00 (62.70 to 63.70): VW
Ion 87.90 (87.60 to 88.60): VW

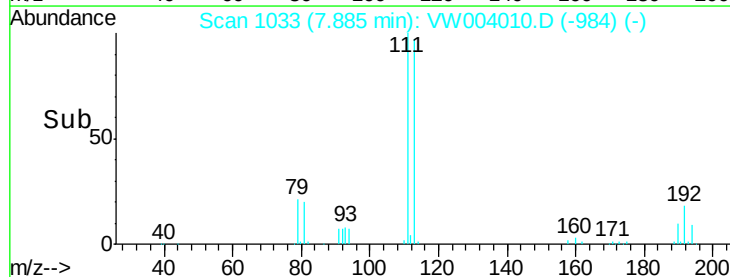
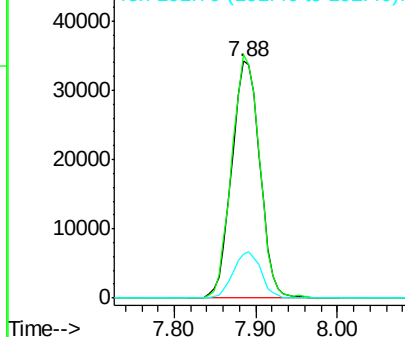


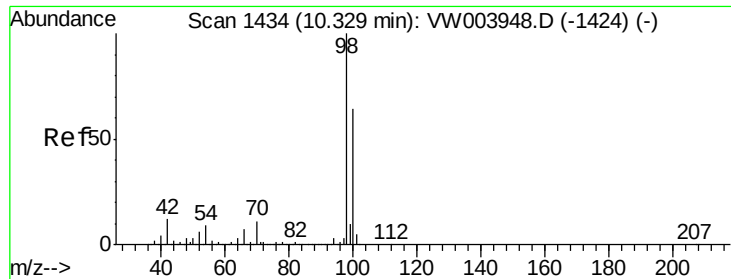
#35
Dibromofluoromethane
Concen: 48.47 ug/l
RT: 7.88 min Scan# 1033
Delta R.T. 0.00 min
Lab File: VW004010.D
Acq: 18 Jul 2018 04:19

Tgt Ion:113 Resp: 81104
Ion Ratio Lower Upper
113 100
111 101.1 81.3 121.9
192 19.3 15.8 23.6



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: 8.14 ug/l

RT: 10.33 min Scan# 1434

Delta R.T. 0.00 min

Lab File: VW004010.D

Acq: 18 Jul 2018 04:19

Instrument :

MSVOA_W

ClientSampleId :

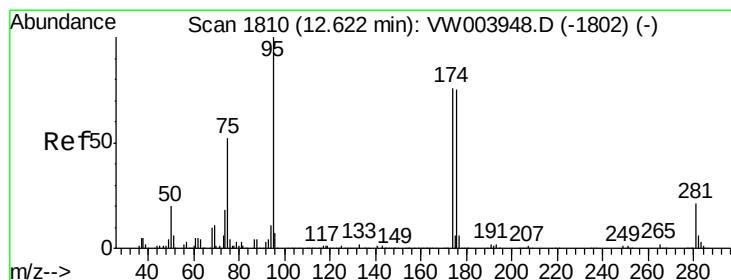
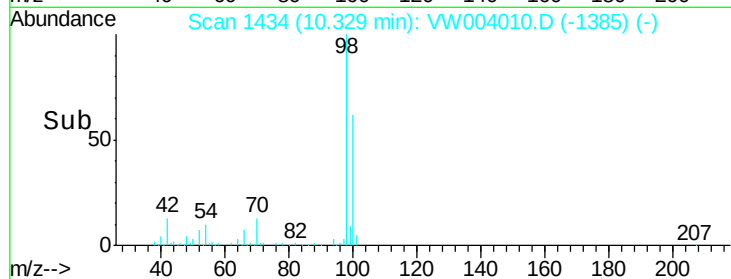
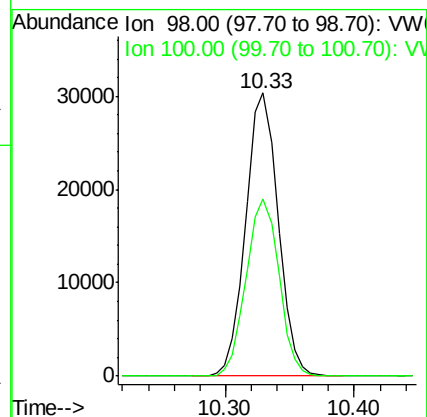
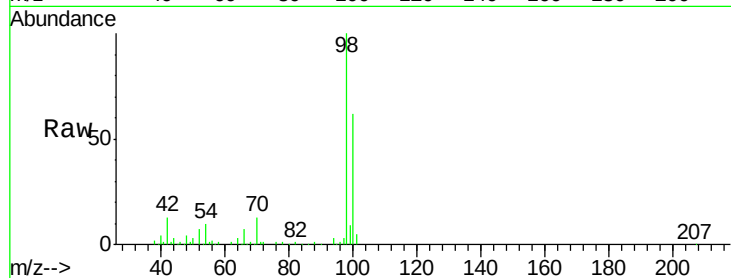
HR-05-071218-CRE

Tot Ion: 98 Resp: 52874

Ion Ratio Lower Upper

98 100

100 63.2 51.2 76.8



#62

4-Bromofluorobenzene

Concen: 30.80 ug/l

RT: 12.62 min Scan# 1810

Delta R.T. 0.00 min

Lab File: VW004010.D

Acq: 18 Jul 2018 04:19

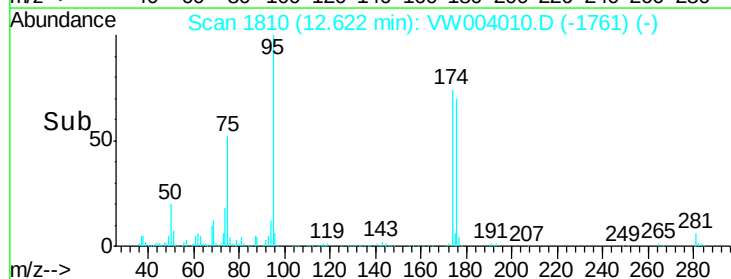
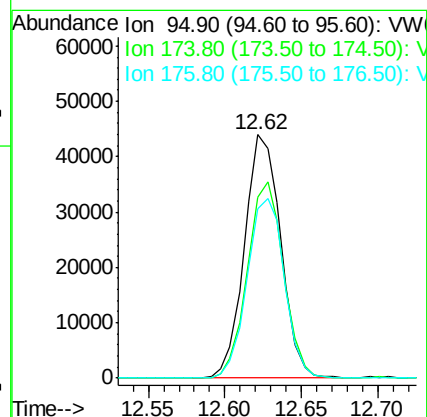
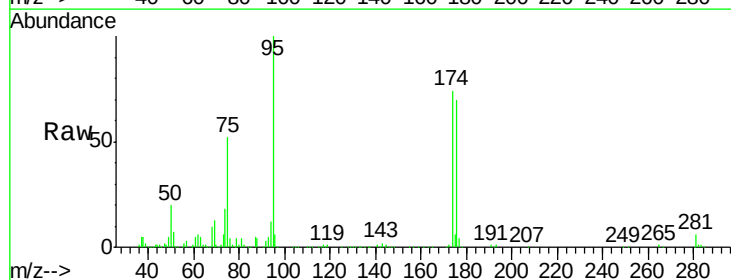
Tgt Ion: 95 Resp: 72123

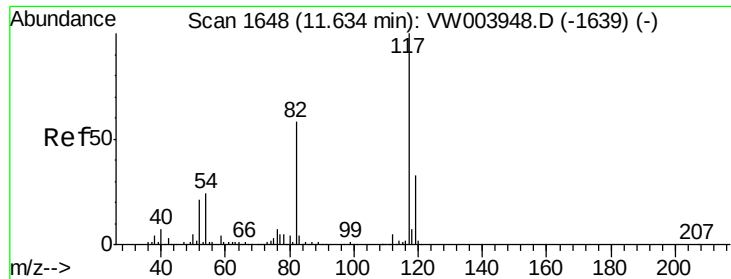
Ion Ratio Lower Upper

95 100

174 80.6 0.0 160.2

176 76.1 0.0 155.8





#63

Chlorobenzene-d5

Concen: 50.00 ug/l

RT: 11.64 min Scan# 1649

Delta R.T. 0.01 min

Lab File: VW004010.D

Acq: 18 Jul 2018 04:19

Instrument :

MSVOA_W

ClientSampleId :

HR-05-071218-CRE

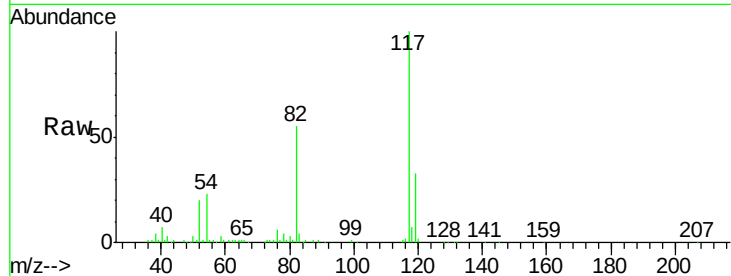
Tot Ion:117 Resp: 73823

Ion Ratio Lower Upper

117 100

82 54.6 46.5 69.7

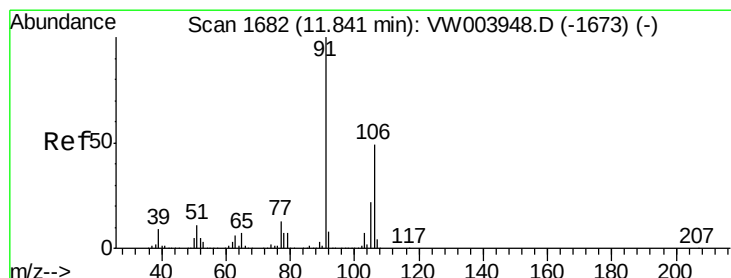
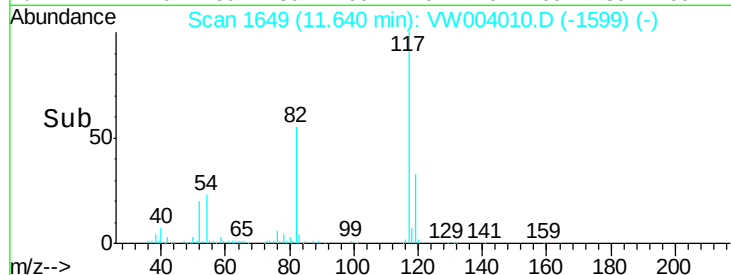
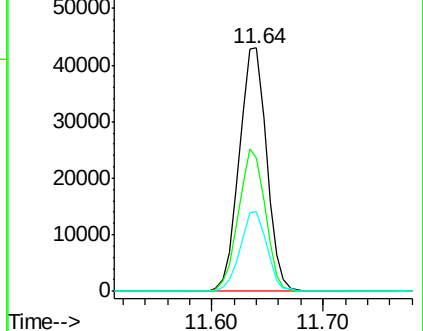
119 32.5 26.2 39.2



Abundance Ion 116.90 (116.60 to 117.60): V

Ion 82.00 (81.70 to 82.70): VW

Ion 118.90 (118.60 to 119.60): V



#68

m/p-Xylenes

Concen: 2.28 ug/l

RT: 11.84 min Scan# 1682

Delta R.T. 0.00 min

Lab File: VW004010.D

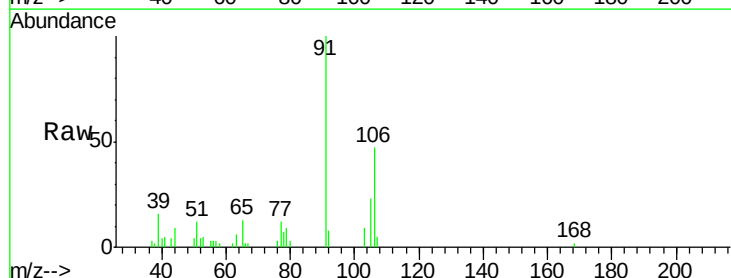
Acq: 18 Jul 2018 04:19

Tgt Ion:106 Resp: 2404

Ion Ratio Lower Upper

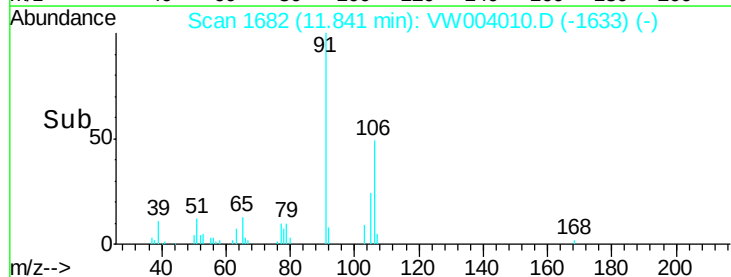
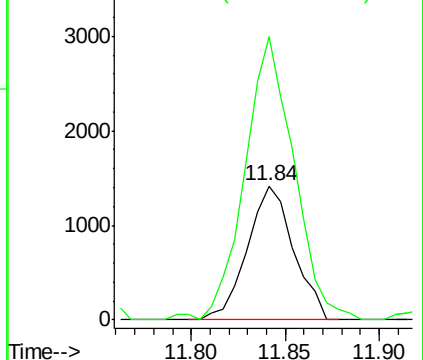
106 100

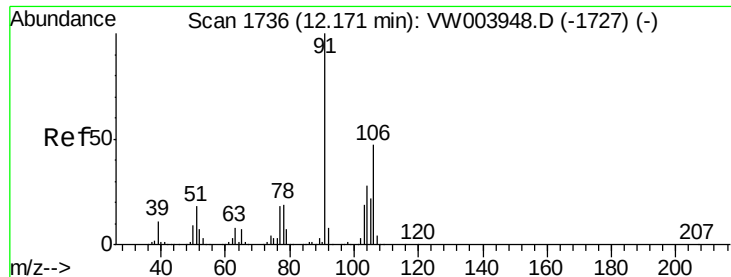
91 224.8 164.2 246.2



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VW

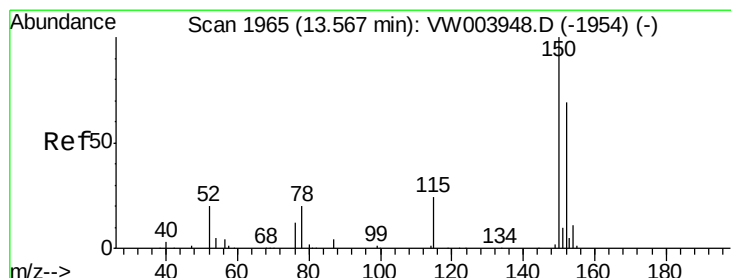
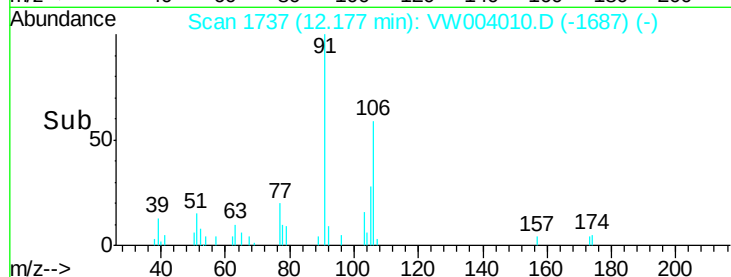
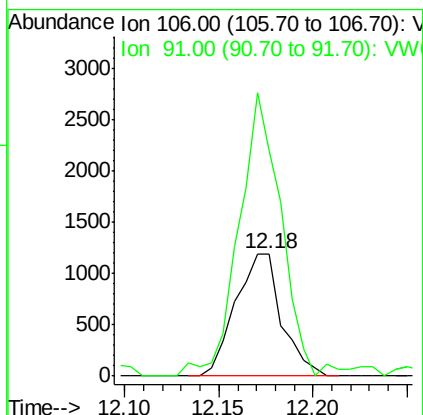
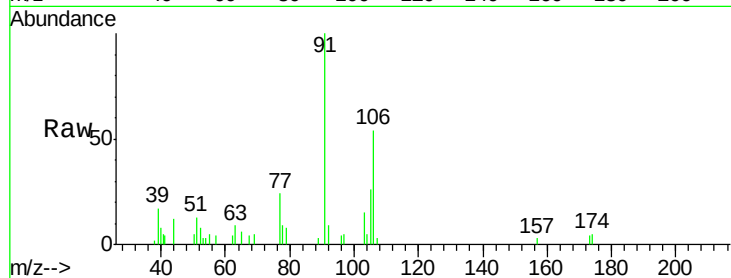




#69
o-Xylene
Concen: 2.07 ug/l
RT: 12.18 min Scan# 1737
Delta R.T. 0.01 min
Lab File: VW004010.D
Acq: 18 Jul 2018 04:19

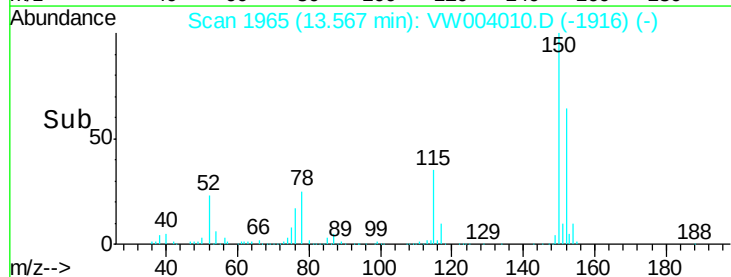
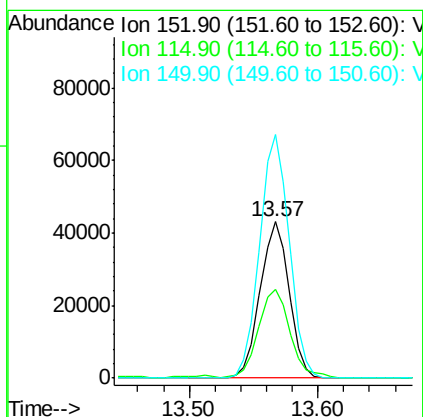
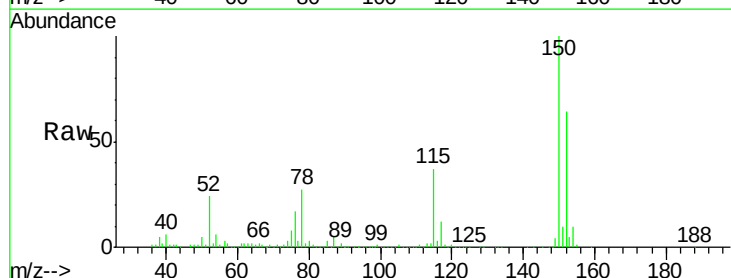
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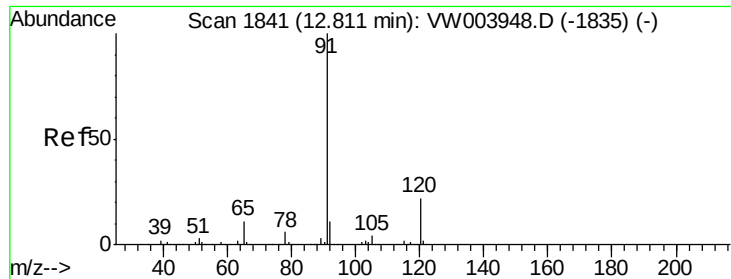
Tot Ion:106 Resp: 2019
Ion Ratio Lower Upper
106 100
91 212.4 107.5 322.6



#72
1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 13.57 min Scan# 1965
Delta R.T. 0.00 min
Lab File: VW004010.D
Acq: 18 Jul 2018 04:19

Tgt Ion:152 Resp: 67442
Ion Ratio Lower Upper
152 100
115 60.9 29.2 87.6
150 157.8 0.0 345.2





#78

n-propylbenzene

Concen: 1.03 ug/l

RT: 12.82 min Scan# 1842

Delta R.T. 0.01 min

Lab File: VW004010.D

Acq: 18 Jul 2018 04:19

Instrument :

MSVOA_W

ClientSampleId :

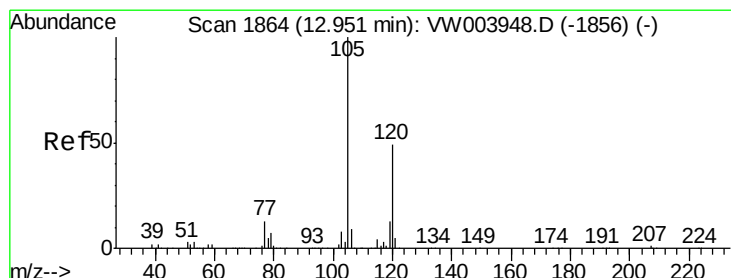
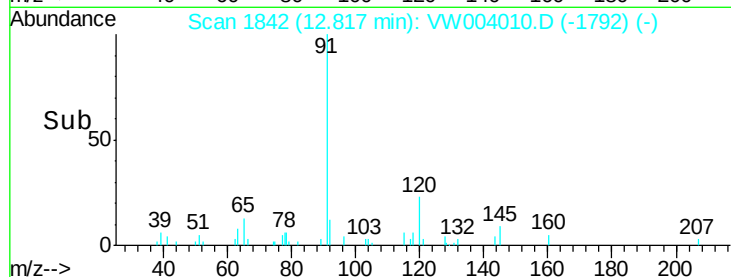
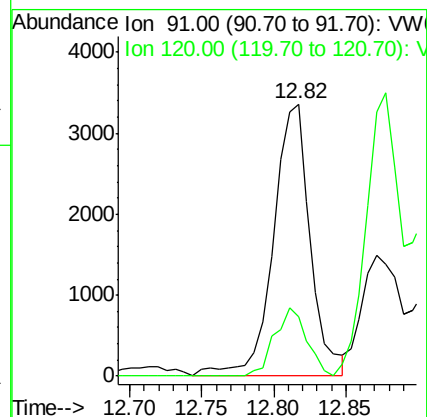
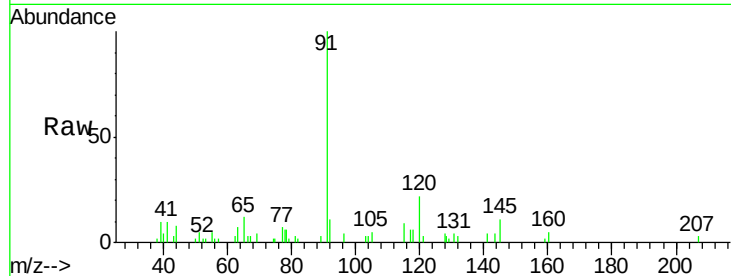
HR-05-071218-CRE

Tot Ion: 91 Resp: 6027

Ion Ratio Lower Upper

91 100

120 21.8 11.2 33.6



#80

1,3,5-Trimethylbenzene

Concen: 3.94 ug/l

RT: 12.95 min Scan# 1864

Delta R.T. 0.00 min

Lab File: VW004010.D

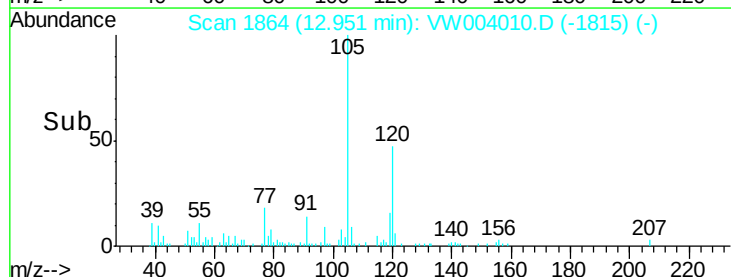
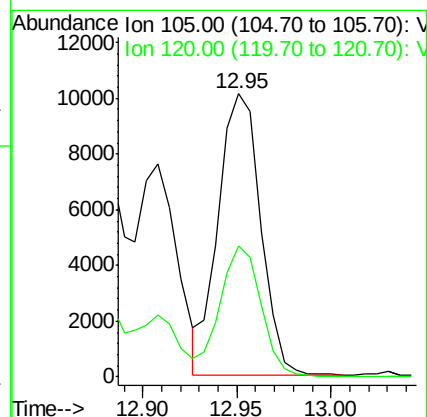
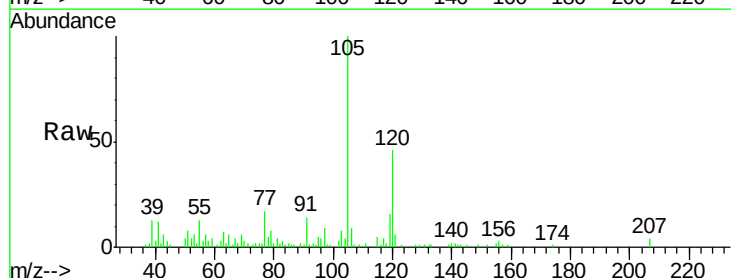
Acq: 18 Jul 2018 04:19

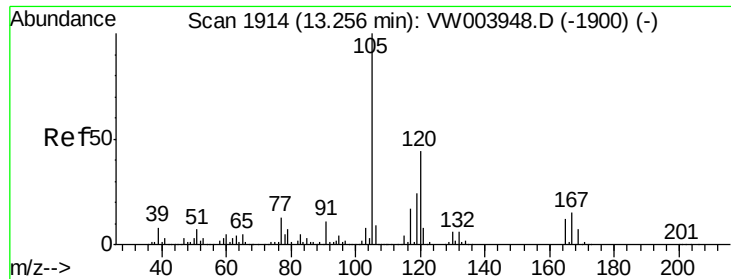
Tgt Ion: 105 Resp: 15791

Ion Ratio Lower Upper

105 100

120 45.2 24.4 73.2

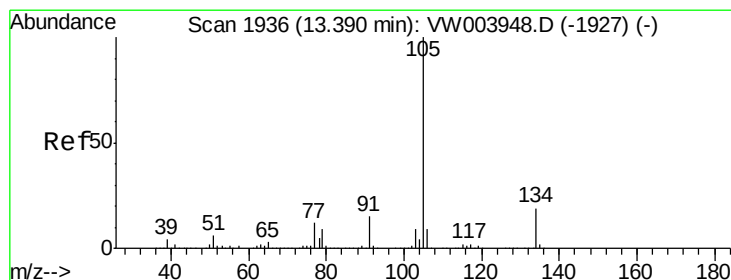
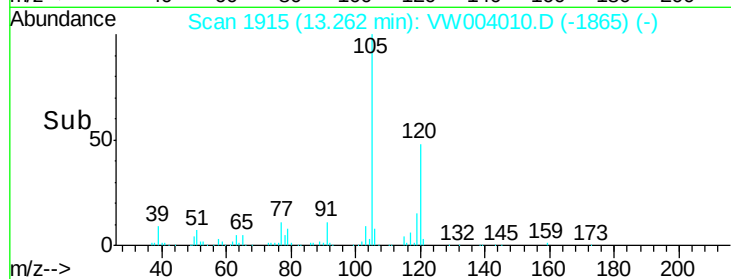
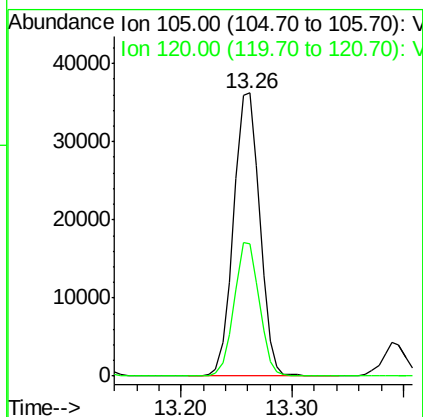
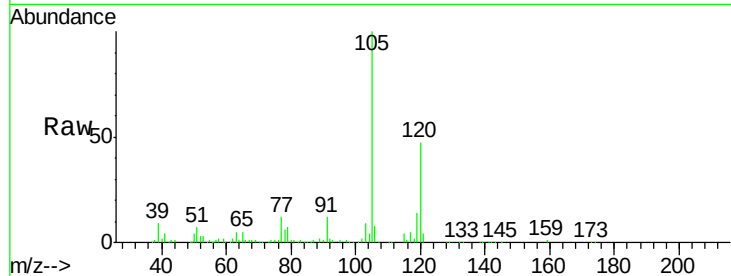




#84
 1,2,4-Trimethylbenzene
 Concen: 14.36 ug/l
 RT: 13.26 min Scan# 1915
 Delta R.T. 0.01 min
 Lab File: VW004010.D
 Acq: 18 Jul 2018 04:19

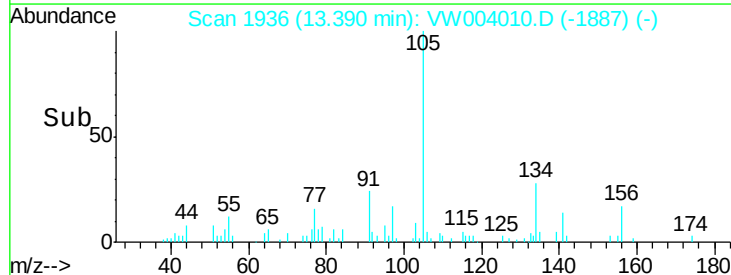
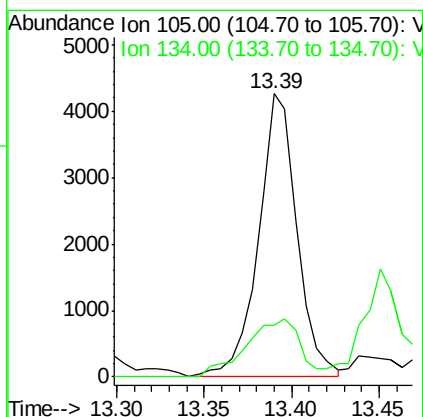
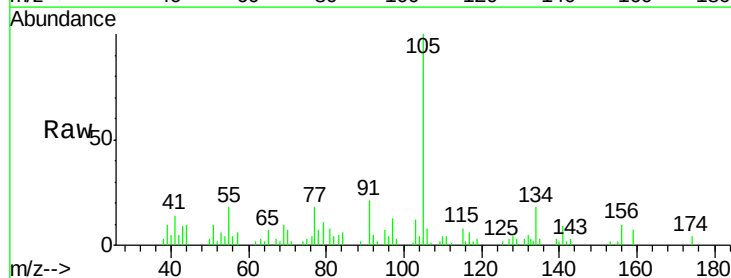
Instrument :
 MSVOA_W
 ClientSampleId :
 HR-05-071218-CRE

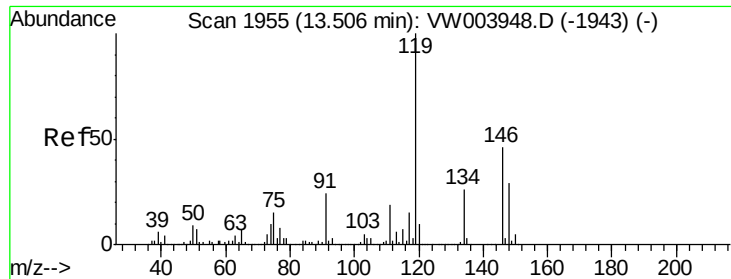
Tot Ion:105 Resp: 59237
 Ion Ratio Lower Upper
 105 100
 120 45.2 22.1 66.1



#85
 sec-Butylbenzene
 Concen: 1.31 ug/l
 RT: 13.39 min Scan# 1936
 Delta R.T. 0.00 min
 Lab File: VW004010.D
 Acq: 18 Jul 2018 04:19

Tgt Ion:105 Resp: 6528
 Ion Ratio Lower Upper
 105 100
 134 28.4 9.8 29.4

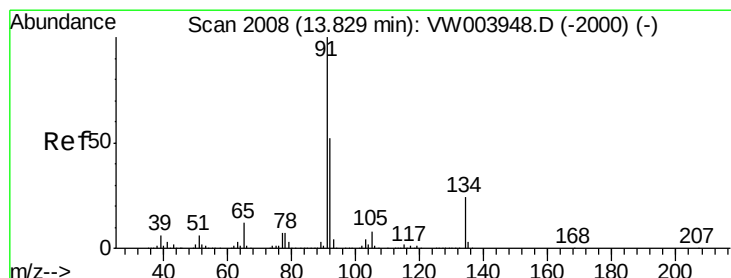
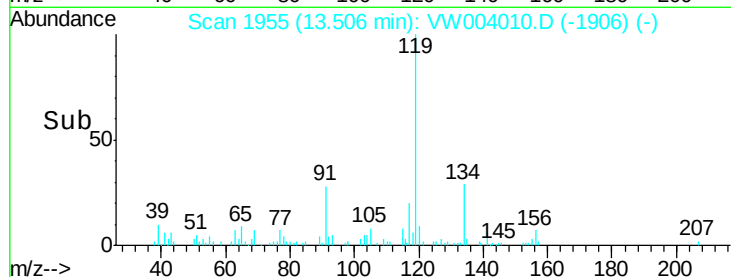
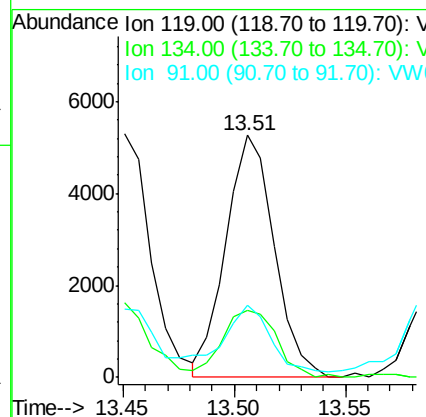
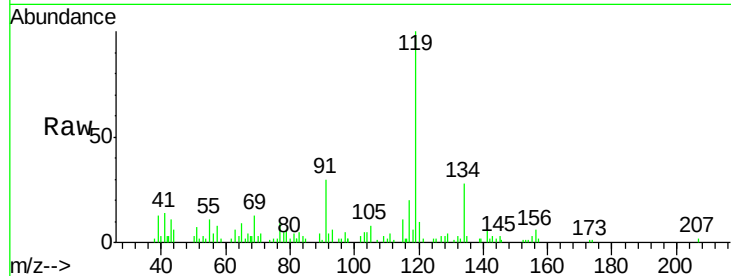




#86
 p-Isopropyltoluene
 Concen: 1.81 ug/l
 RT: 13.51 min Scan# 1955
 Delta R.T. 0.00 min
 Lab File: VW004010.D
 Acq: 18 Jul 2018 04:19

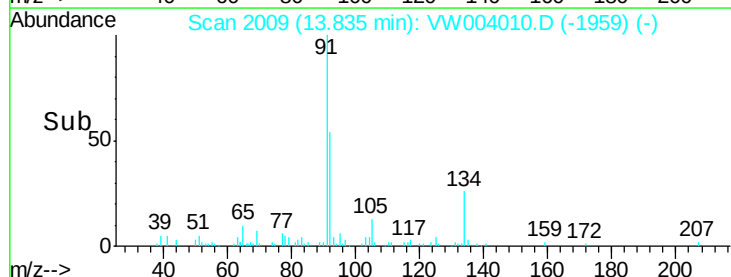
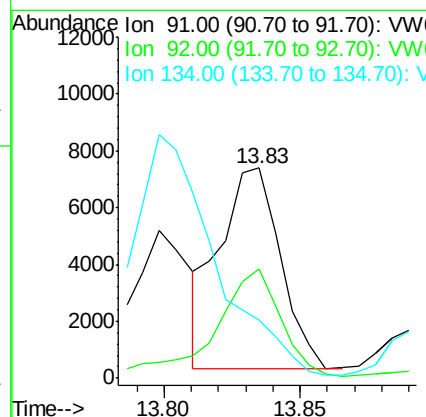
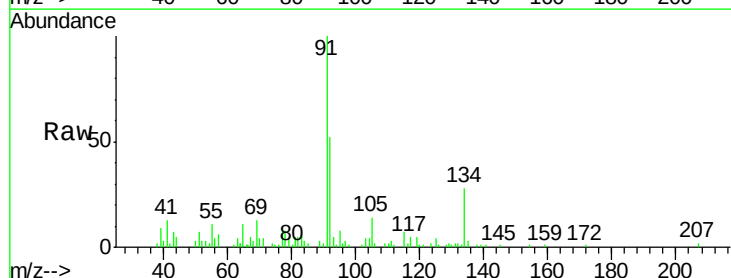
Instrument :
 MSVOA_W
 ClientSampleId :
 HR-05-071218-CRE

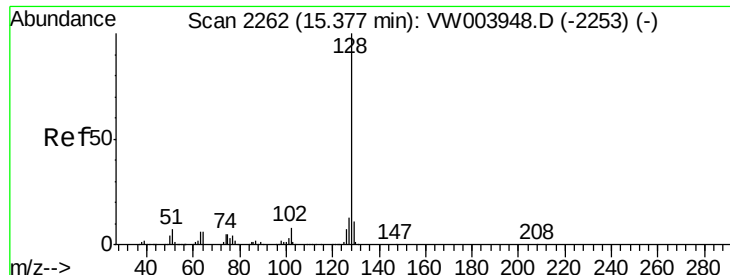
Tot Ion: 119 Resp: 7951
 Ion Ratio Lower Upper
 119 100
 134 31.0 13.0 38.9
 91 27.2 11.8 35.3



#89
 n-Butylbenzene
 Concen: 2.54 ug/l
 RT: 13.83 min Scan# 2009
 Delta R.T. 0.01 min
 Lab File: VW004010.D
 Acq: 18 Jul 2018 04:19

Tgt Ion: 91 Resp: 10962
 Ion Ratio Lower Upper
 91 100
 92 56.5 26.1 78.3
 134 0.0 12.4 37.4#





#95

Naphthalene

Concen: 2.75 ug/l

RT: 15.38 min Scan# 2263

Delta R.T. 0.01 min

Lab File: VW004010.D

Acq: 18 Jul 2018 04:19

Instrument :

MSVOA_W

ClientSampleId :

HR-05-071218-CRE

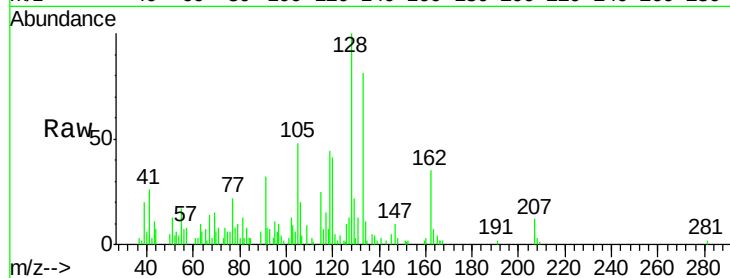
Tot Ion:128 Resp: 7240

Ion Ratio Lower Upper

128 100

127 9.8 10.7 16.1#

129 12.9 8.7 13.1



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V

