

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW060319\
 Data File : VW010668.D
 Acq On : 03 Jun 2019 19:11
 Operator : SY/VA
 Sample : K3165-03
 Misc : 1.03G/5ML/MSVOA W/SOIL
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 30268

Quant Time: Jun 04 08:26:00 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W052019S.M
 Quant Title : SW846 8260
 QLast Update : Tue May 21 06:38:43 2019
 Response via : Initial Calibration

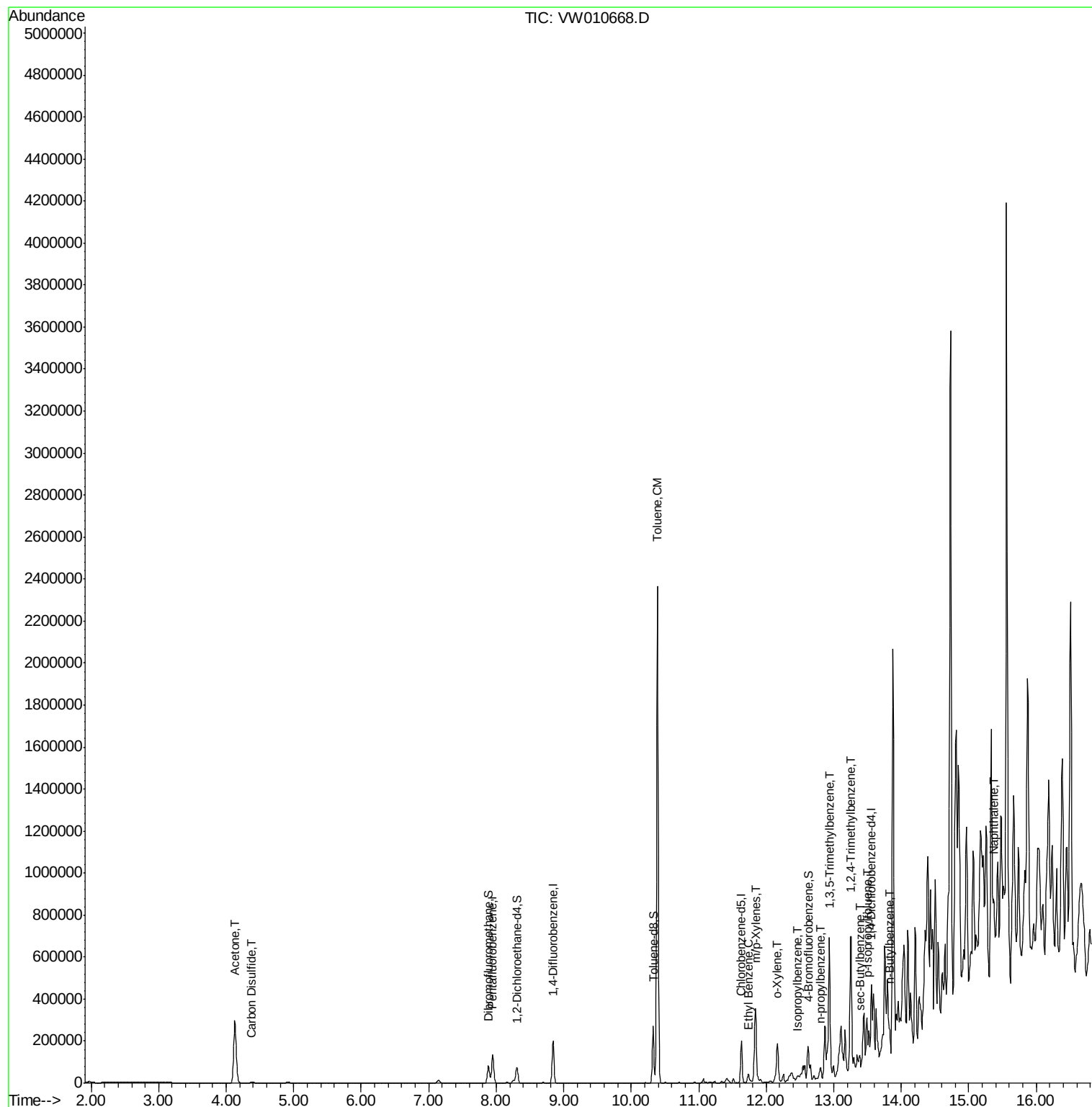
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	103663	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	184753	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	122530	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	45716	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.31	65	58994	55.14	ug/l	0.00
Spiked Amount	50.000		Recovery	=	110.28%	
35) Dibromofluoromethane	7.88	113	59605	53.17	ug/l	0.00
Spiked Amount	50.000		Recovery	=	106.34%	
50) Toluene-d8	10.32	98	184268	43.03	ug/l	0.00
Spiked Amount	50.000		Recovery	=	86.06%	
62) 4-Bromofluorobenzene	12.62	95	57063	33.45	ug/l	0.00
Spiked Amount	50.000		Recovery	=	66.90%	
Target Compounds						
					Qvalue	
16) Acetone	4.13	43	514022	2353.513	ug/l	100
17) Carbon Disulfide	4.38	76	9101	2.787	ug/l #	92
52) Toluene	10.39	92	1091172	339.659	ug/l	99
67) Ethyl Benzene	11.73	91	28480	6.177	ug/l	98
68) m/p-Xylenes	11.84	106	85865	47.481	ug/l	99
69) o-Xylene	12.16	106	49770	29.048	ug/l	100
73) Isopropylbenzene	12.47	105	9880	2.723	ug/l	98
78) n-propylbenzene	12.80	91	45546	10.773	ug/l	99
80) 1,3,5-Trimethylbenzene	12.94	105	79249	25.793	ug/l	99
84) 1,2,4-Trimethylbenzene	13.25	105	386498	126.303	ug/l	99
85) sec-Butylbenzene	13.38	105	34449	9.172	ug/l	87
86) p-Isopropyltoluene	13.50	119	25306	7.444	ug/l	99
89) n-Butylbenzene	13.83	91	69416	21.467	ug/l #	79
95) Naphthalene	15.37	128	183866	88.709	ug/l #	93

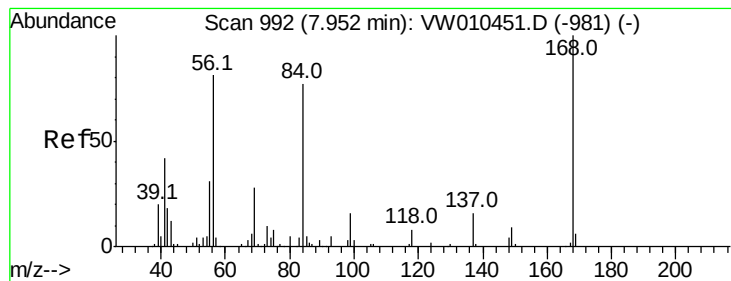
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA W\DATA\VW060319\
Data File : VW010668.D
Acq On : 03 Jun 2019 19:11
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Quant Time: Jun 04 08:26:00 2019
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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.95 min Scan# 991

Delta R.T. -0.01 min

Lab File: VW010668.D

Acq: 03 Jun 2019 19:11

Instrument :

MSVOA_W

ClientSampled :

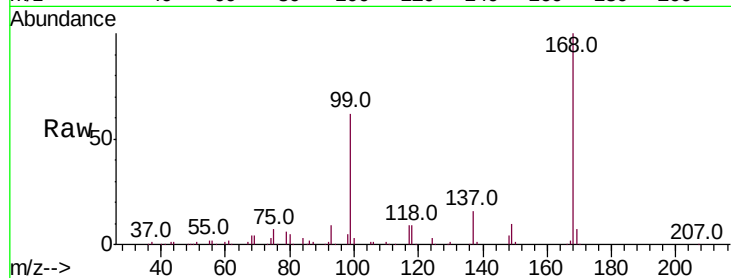
30268

Tot Ion:168 Resp: 103663

Ion Ratio Lower Upper

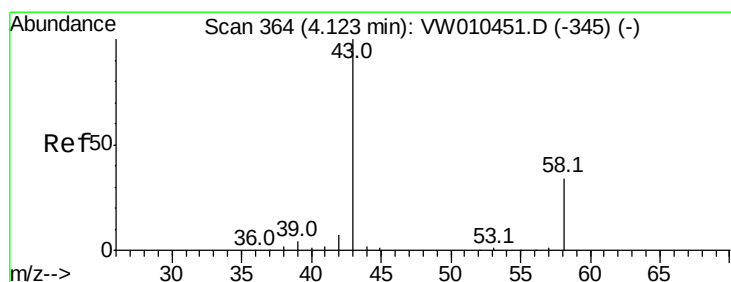
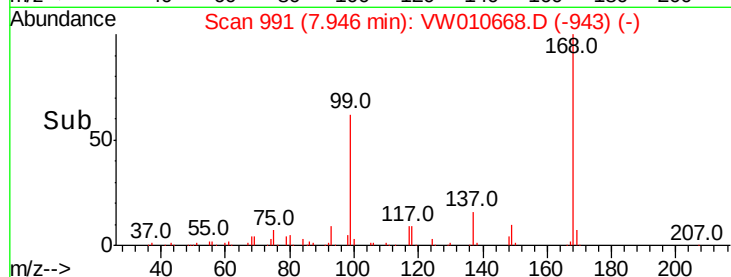
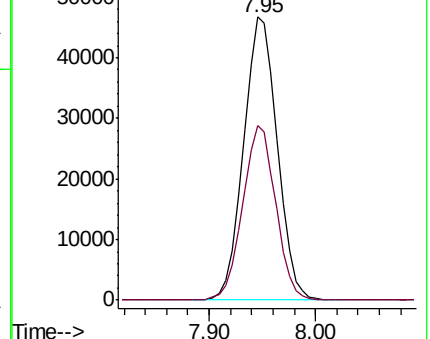
168 100

99 61.9 46.1 69.1



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW



#16

Acetone

Concen: 2353.513 ug/l

RT: 4.13 min Scan# 365

Delta R.T. 0.01 min

Lab File: VW010668.D

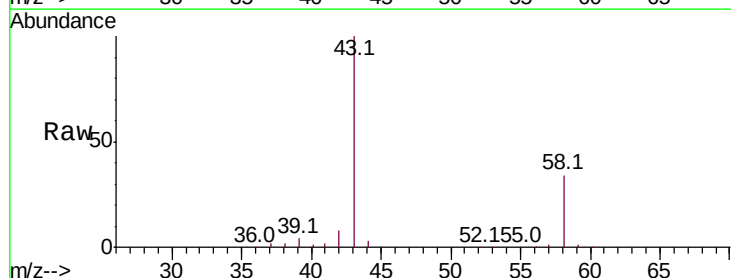
Acq: 03 Jun 2019 19:11

Tgt Ion: 43 Resp: 514022

Ion Ratio Lower Upper

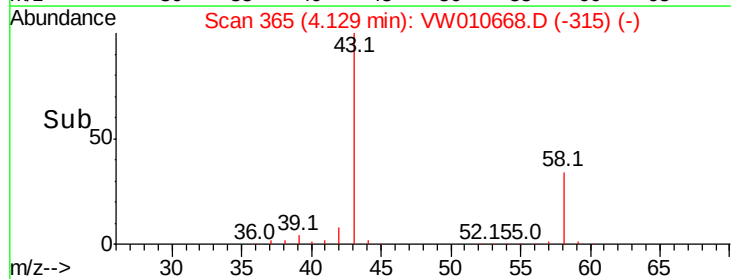
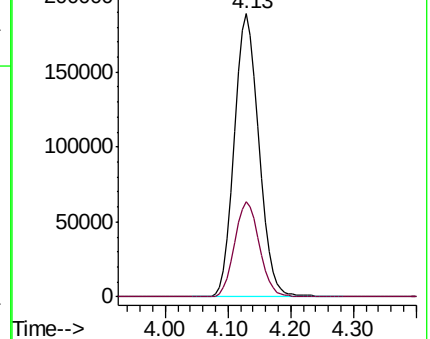
43 100

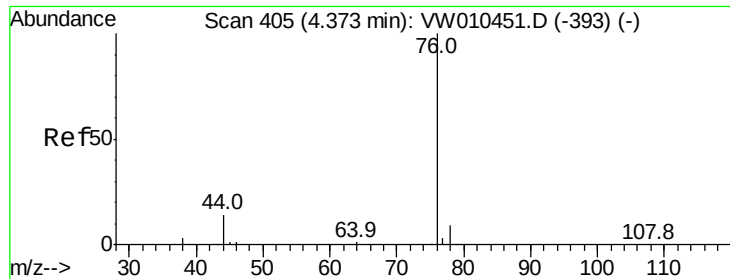
58 33.6 27.0 40.4



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW





#17

Carbon Disulfide

Concen: 2.787 ug/l

RT: 4.38 min Scan# 406

Delta R.T. 0.01 min

Lab File: VW010668.D

Acq: 03 Jun 2019 19:11

Instrument :

MSVOA_W

ClientSampleId :

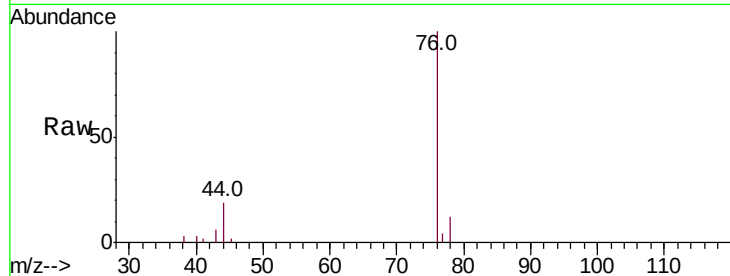
30268

Tot Ion: 76 Resp: 9101

Ion Ratio Lower Upper

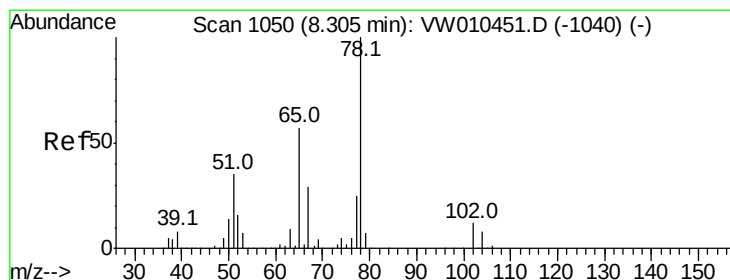
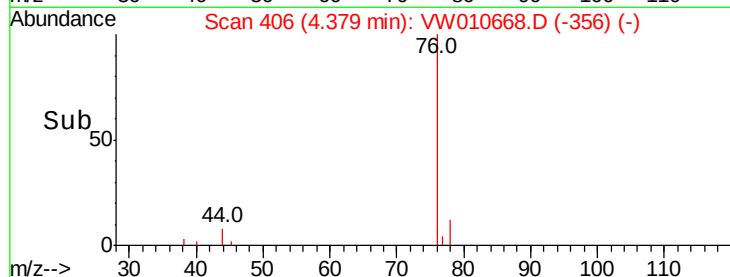
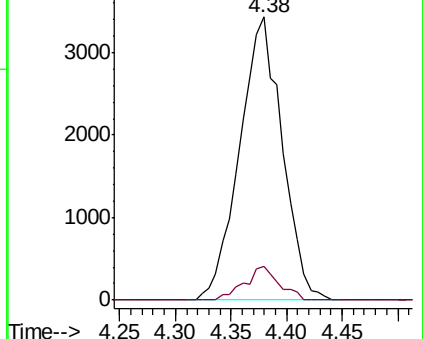
76 100

78 11.9 7.1 10.7#



Abundance Ion 75.90 (75.60 to 76.60): VW

Ion 77.90 (77.60 to 78.60): VW



#33

1,2-Dichloroethane-d4

Concen: 55.136 ug/l

RT: 8.31 min Scan# 1050

Delta R.T. 0.00 min

Lab File: VW010668.D

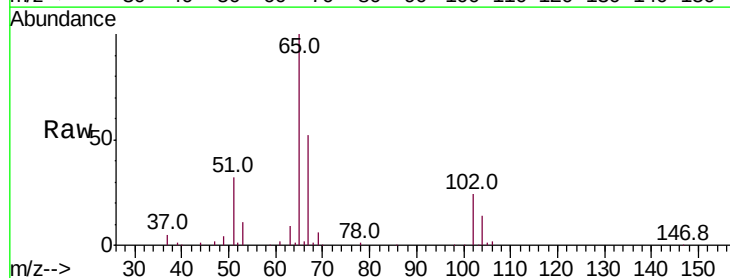
Acq: 03 Jun 2019 19:11

Tgt Ion: 65 Resp: 58994

Ion Ratio Lower Upper

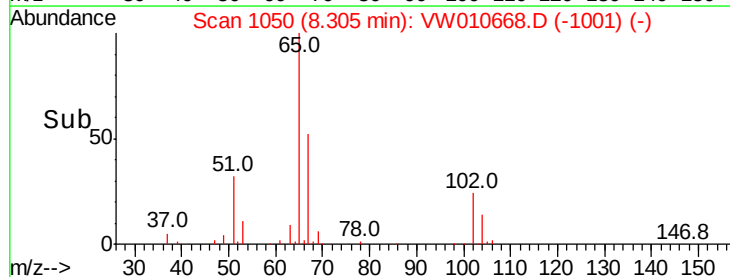
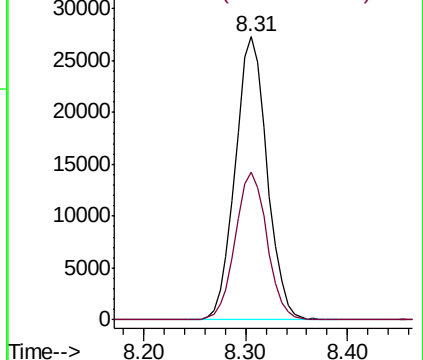
65 100

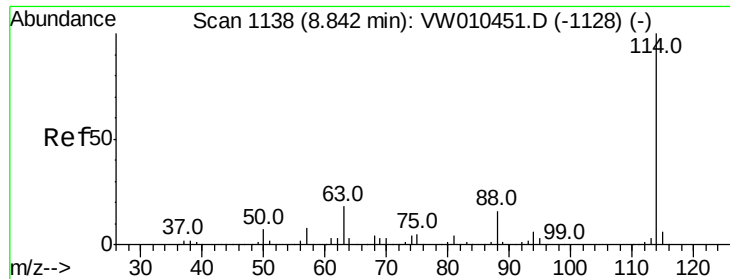
67 52.3 0.0 103.6



Abundance Ion 64.90 (64.60 to 65.60): VW

Ion 66.90 (66.60 to 67.60): VW

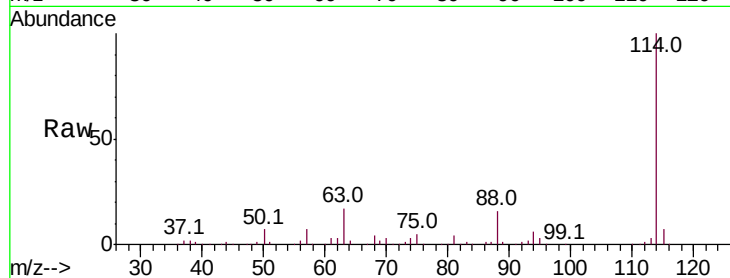




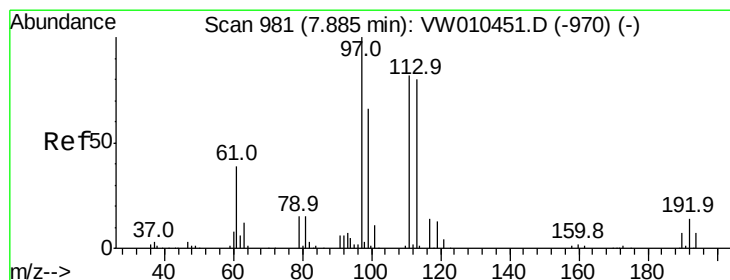
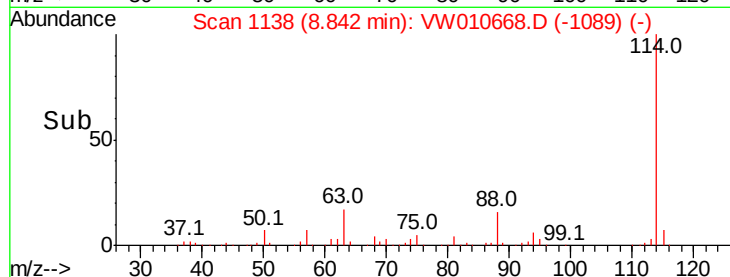
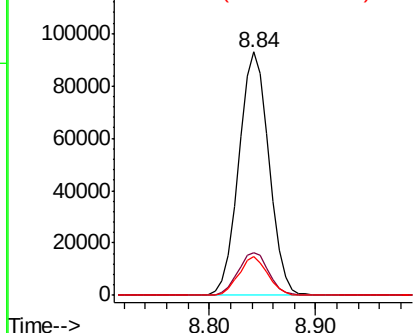
#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.84 min Scan# 1138
 Delta R.T. 0.00 min
 Lab File: VW010668.D
 Acq: 03 Jun 2019 19:11

Instrument :
 MSVOA_W
 ClientSampleId :
 30268

Tot Ion:114 Resp: 184753
 Ion Ratio Lower Upper
 114 100
 63 17.4 0.0 36.0
 88 15.7 0.0 32.0

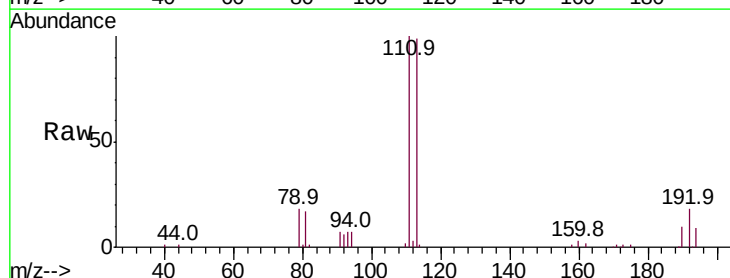


Abundance Ion 113.90 (113.60 to 114.60): V
 Ion 63.00 (62.70 to 63.70): VV
 Ion 87.90 (87.60 to 88.60): VV

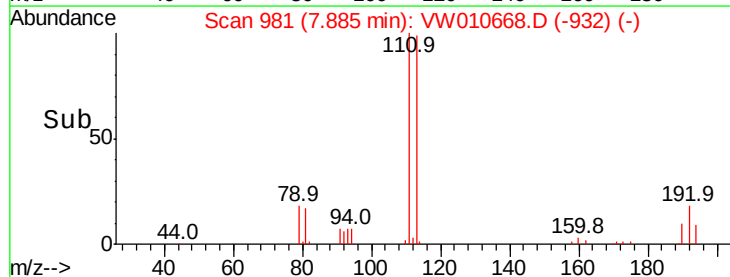
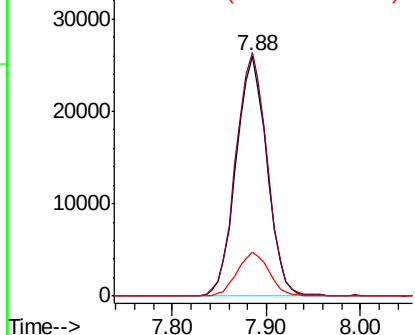


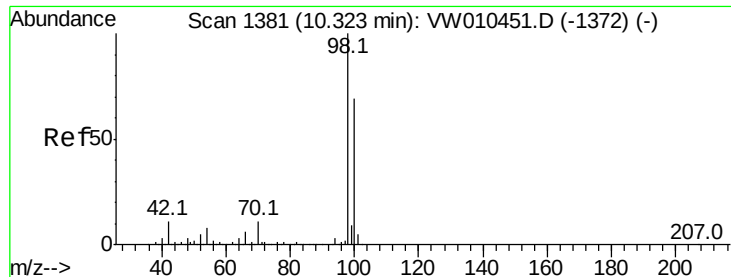
#35
 Dibromofluoromethane
 Concen: 53.169 ug/l
 RT: 7.88 min Scan# 981
 Delta R.T. 0.00 min
 Lab File: VW010668.D
 Acq: 03 Jun 2019 19:11

Tgt Ion:113 Resp: 59605
 Ion Ratio Lower Upper
 113 100
 111 103.1 82.2 123.4
 192 18.6 14.3 21.5



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: 43.027 ug/l

RT: 10.32 min Scan# 1381

Delta R.T. 0.00 min

Lab File: VW010668.D

Acq: 03 Jun 2019 19:11

Instrument :

MSVOA_W

ClientSampleId :

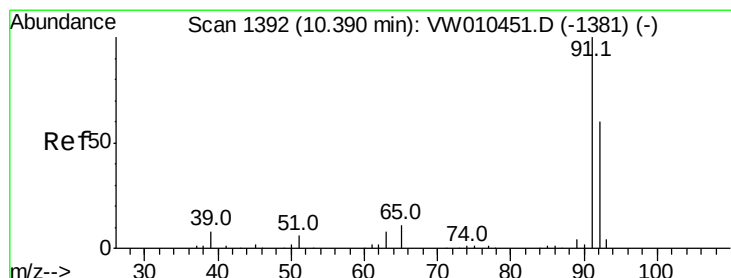
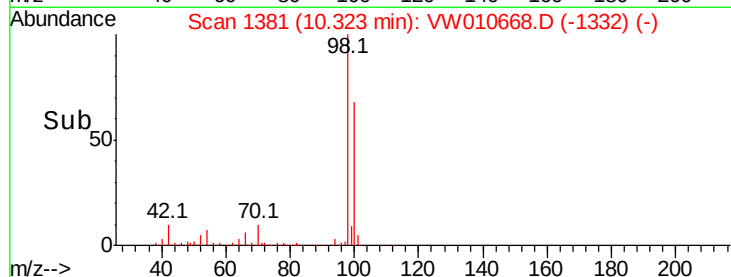
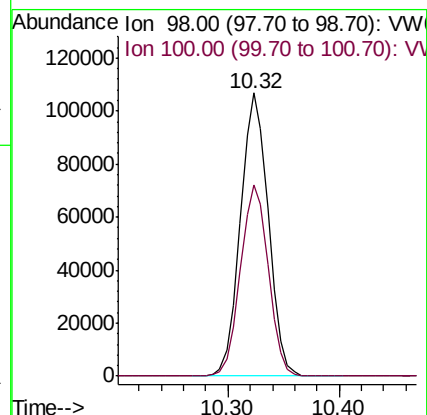
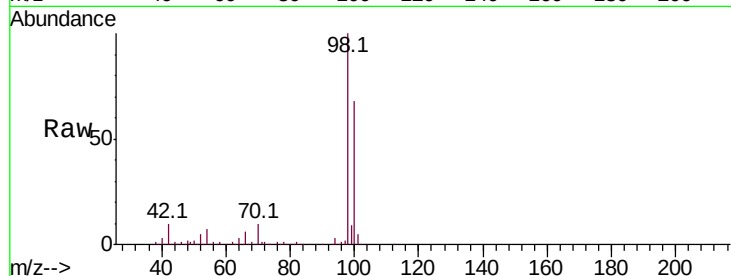
30268

Tot Ion: 98 Resp: 184268

Ion Ratio Lower Upper

98 100

100 67.8 53.7 80.5



#52

Toluene

Concen: 339.659 ug/l

RT: 10.39 min Scan# 1392

Delta R.T. 0.00 min

Lab File: VW010668.D

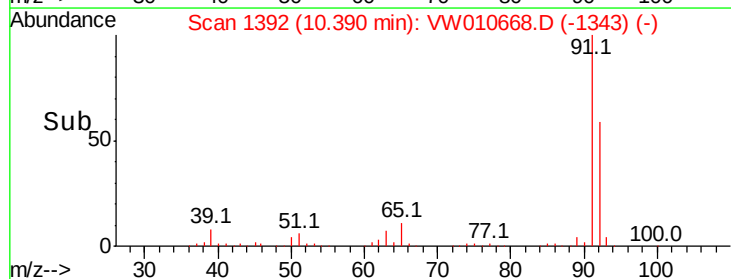
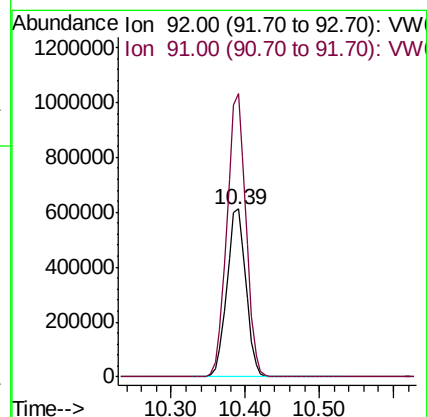
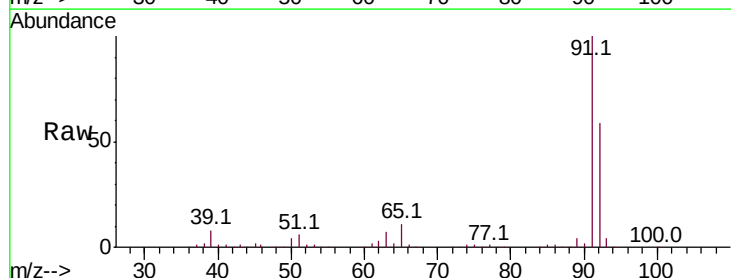
Acq: 03 Jun 2019 19:11

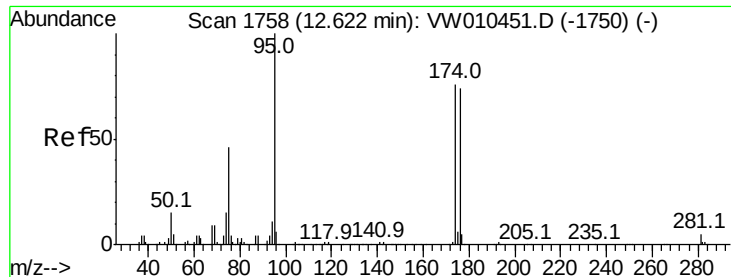
Tgt Ion: 92 Resp: 1091172

Ion Ratio Lower Upper

92 100

91 167.6 135.4 203.0





#62

4-Bromofluorobenzene

Concen: 33.451 ug/l

RT: 12.62 min Scan# 1757

Delta R.T. -0.01 min

Lab File: VW010668.D

Acq: 03 Jun 2019 19:11

Instrument :

MSVOA_W

ClientSampleId :

30268

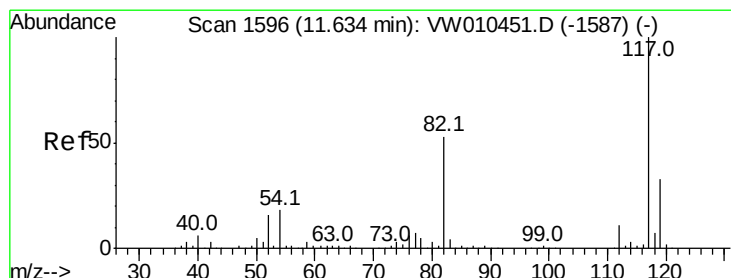
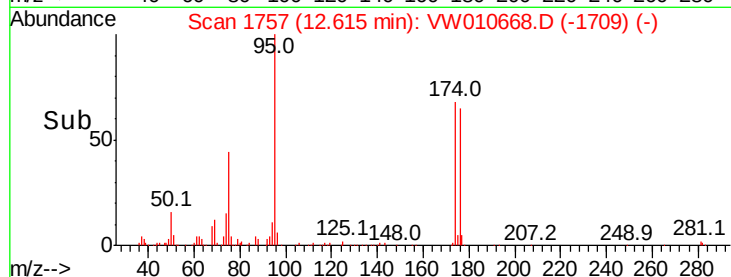
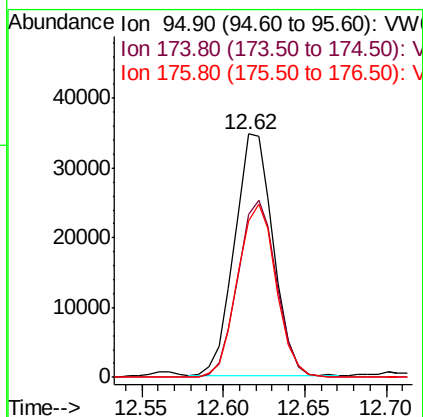
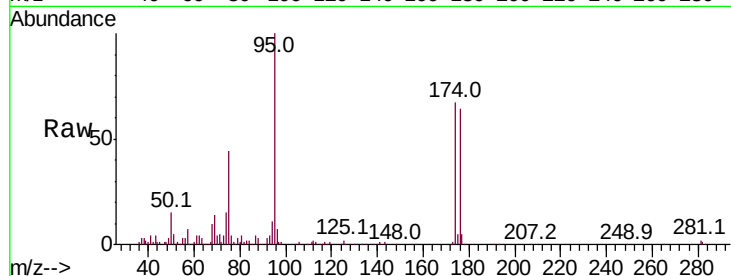
Tot Ion: 95 Resp: 57063

Ion Ratio Lower Upper

95 100

174 73.4 0.0 148.6

176 71.4 0.0 144.2



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.63 min Scan# 1596

Delta R.T. 0.00 min

Lab File: VW010668.D

Acq: 03 Jun 2019 19:11

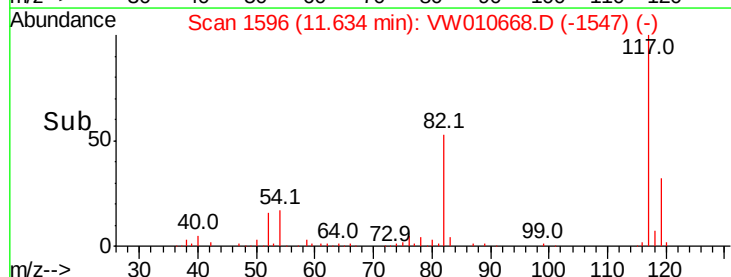
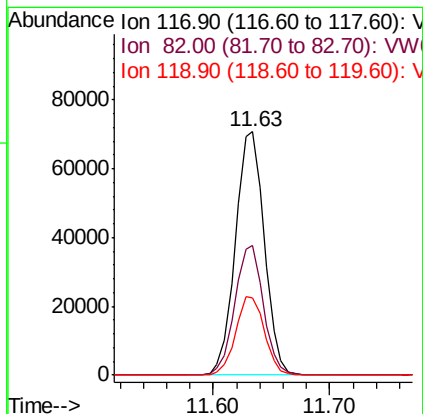
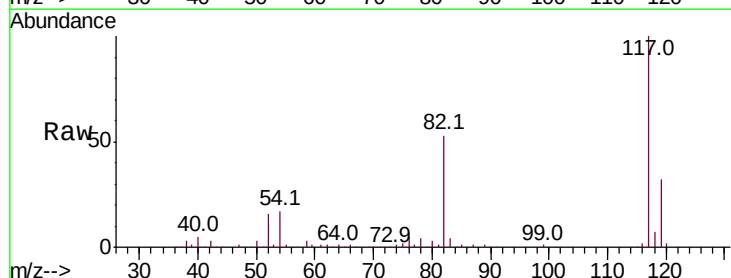
Tgt Ion: 117 Resp: 122530

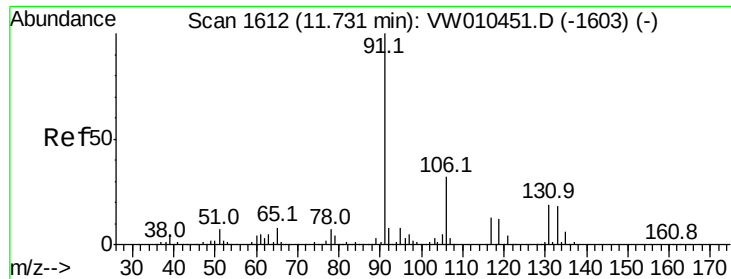
Ion Ratio Lower Upper

117 100

82 53.0 42.8 64.2

119 31.6 26.3 39.5

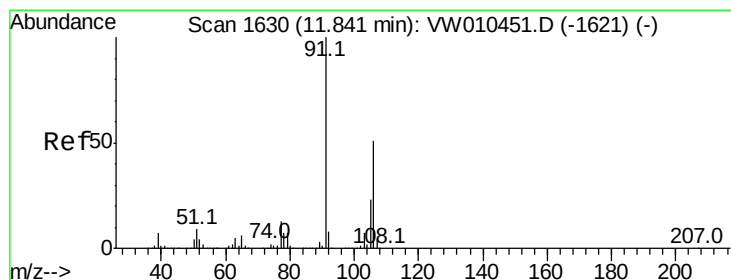
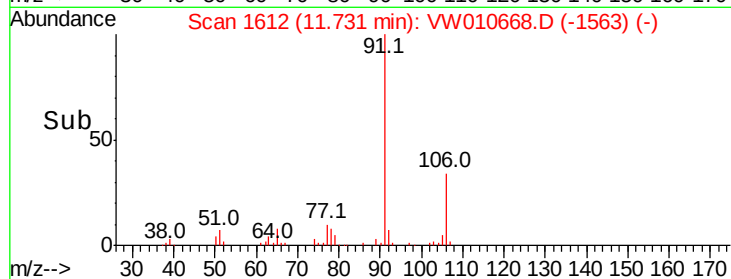
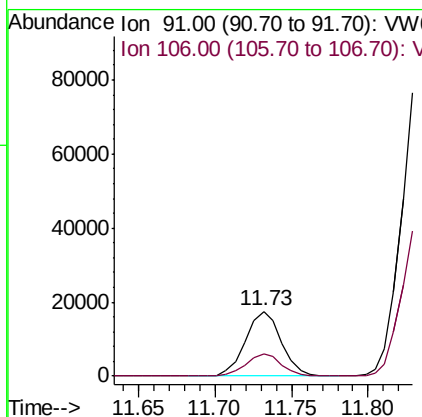
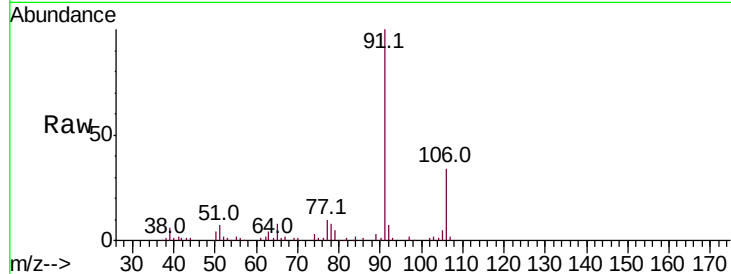




#67
Ethyl Benzene
Concen: 6.177 ug/l
RT: 11.73 min Scan# 1612
Delta R.T. 0.00 min
Lab File: VW010668.D
Acq: 03 Jun 2019 19:11

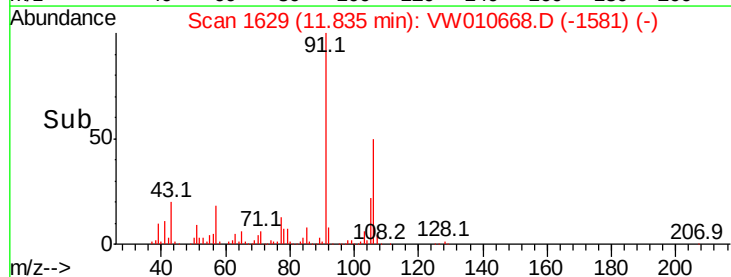
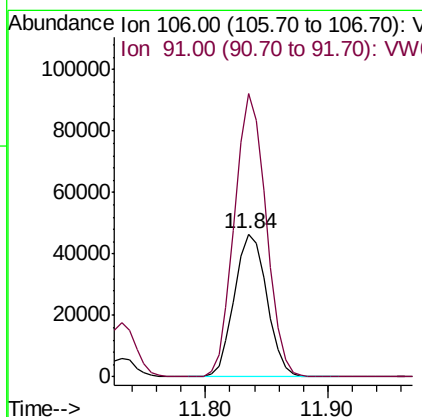
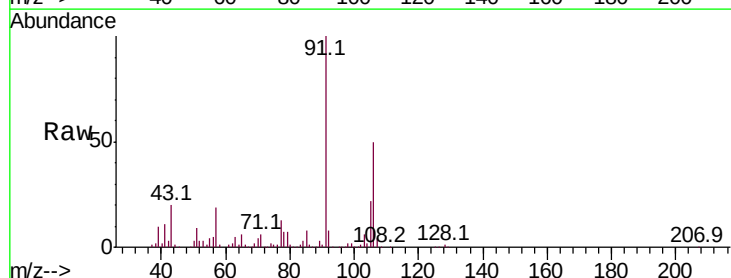
Instrument :
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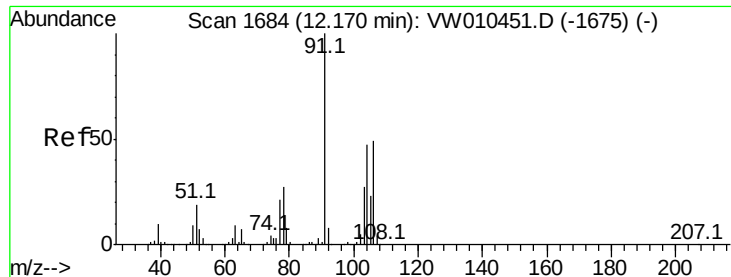
Tot Ion: 91 Resp: 28480
Ion Ratio Lower Upper
91 100
106 33.7 25.9 38.9



#68
m/p-Xylenes
Concen: 47.481 ug/l
RT: 11.84 min Scan# 1629
Delta R.T. -0.01 min
Lab File: VW010668.D
Acq: 03 Jun 2019 19:11

Tgt Ion: 106 Resp: 85865
Ion Ratio Lower Upper
106 100
91 193.2 156.0 234.0

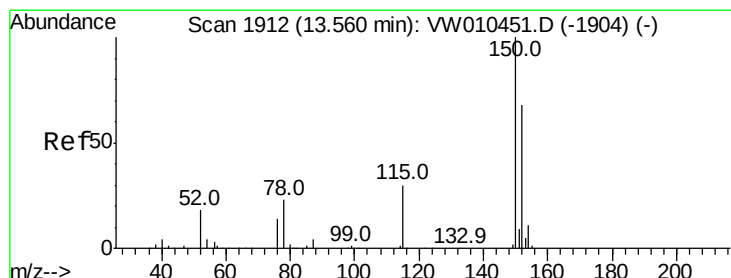
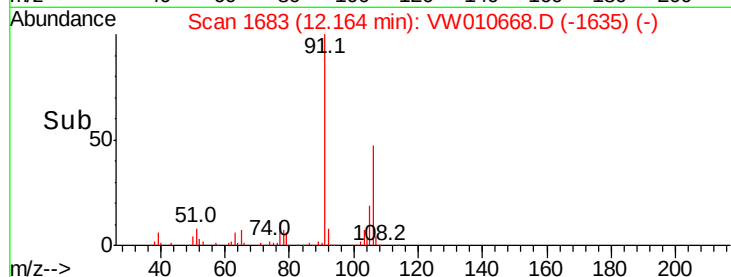
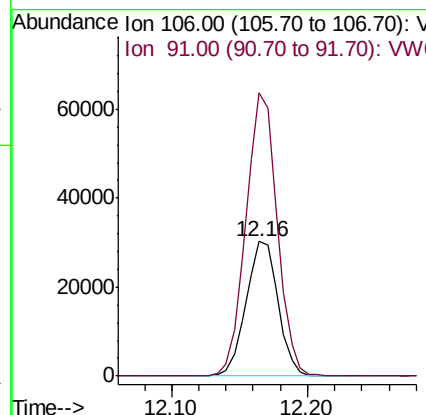
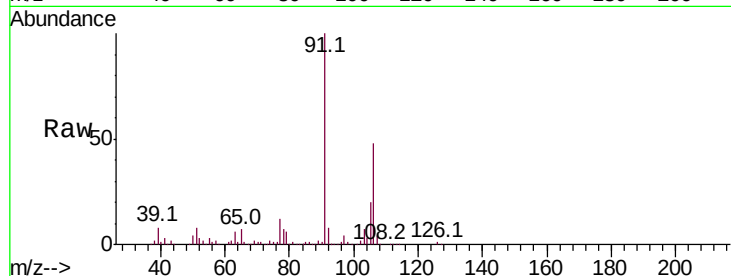




#69
o-Xylene
Concen: 29.048 ug/l
RT: 12.16 min Scan# 1683
Delta R.T. -0.01 min
Lab File: VW010668.D
Acq: 03 Jun 2019 19:11

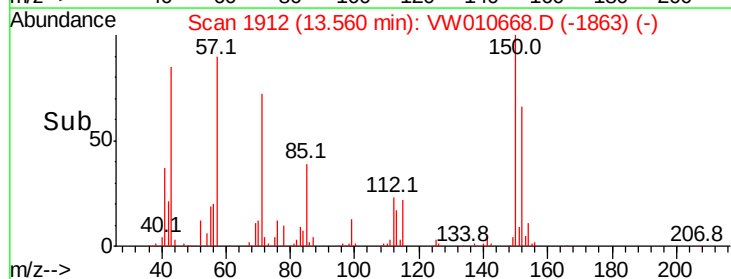
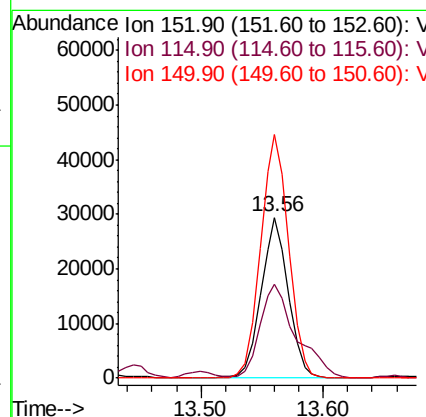
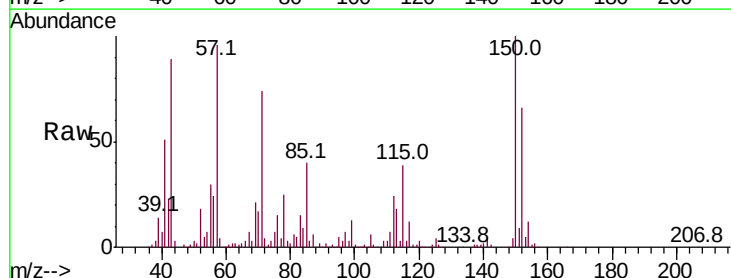
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30268

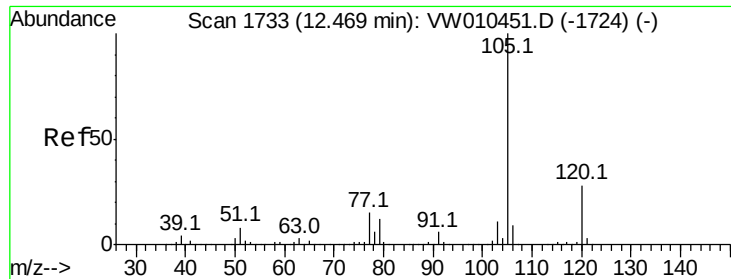
Tot Ion:106 Resp: 49770
Ion Ratio Lower Upper
106 100
91 206.1 103.2 309.4



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.56 min Scan# 1912
Delta R.T. 0.00 min
Lab File: VW010668.D
Acq: 03 Jun 2019 19:11

Tgt Ion:152 Resp: 45716
Ion Ratio Lower Upper
152 100
115 76.9 30.3 91.0
150 155.0 0.0 349.8

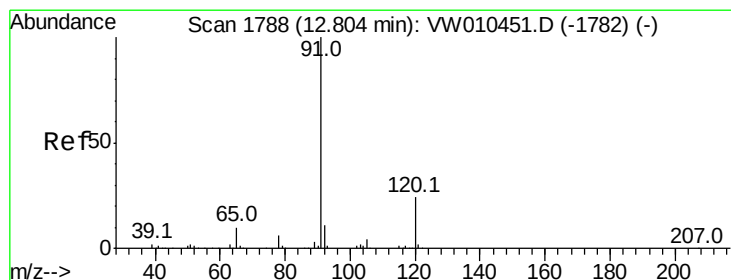
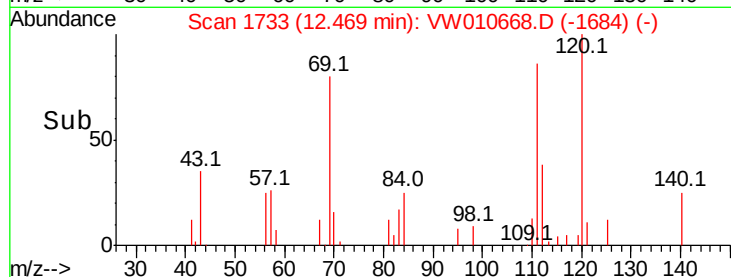
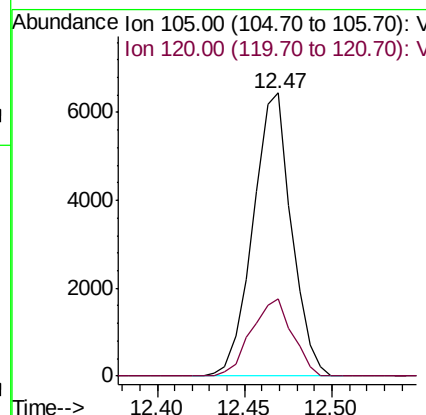
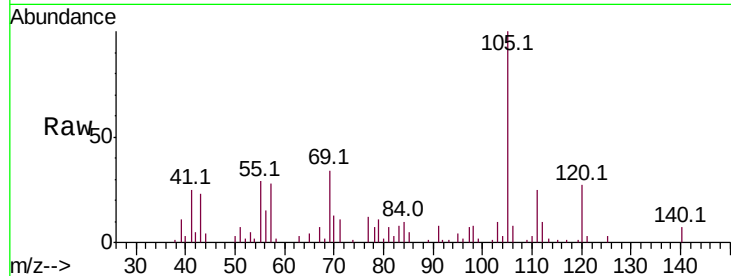




#73
Isopropylbenzene
Concen: 2.723 ug/l
RT: 12.47 min Scan# 1733
Delta R.T. 0.00 min
Lab File: VW010668.D
Acq: 03 Jun 2019 19:11

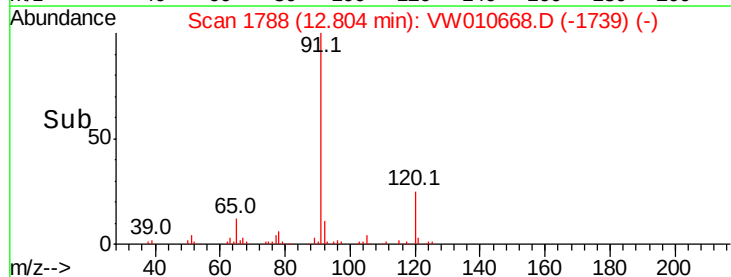
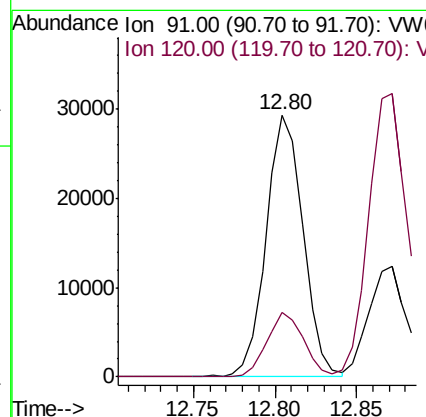
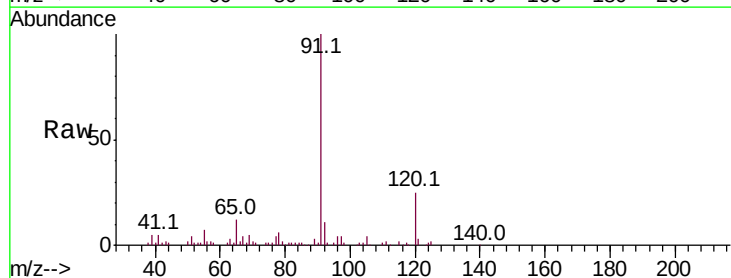
Instrument :
MSVOA_W
ClientSampled :
30268

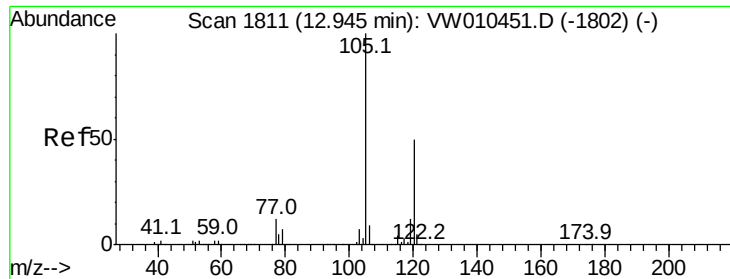
Tot Ion:105 Resp: 9880
Ion Ratio Lower Upper
105 100
120 29.0 13.9 41.7



#78
n-propylbenzene
Concen: 10.773 ug/l
RT: 12.80 min Scan# 1788
Delta R.T. 0.00 min
Lab File: VW010668.D
Acq: 03 Jun 2019 19:11

Tgt Ion: 91 Resp: 45546
Ion Ratio Lower Upper
91 100
120 24.8 12.3 36.8

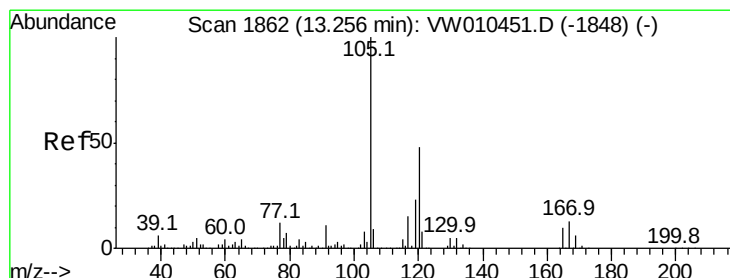
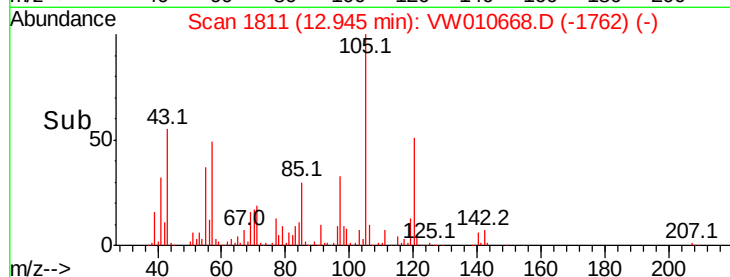
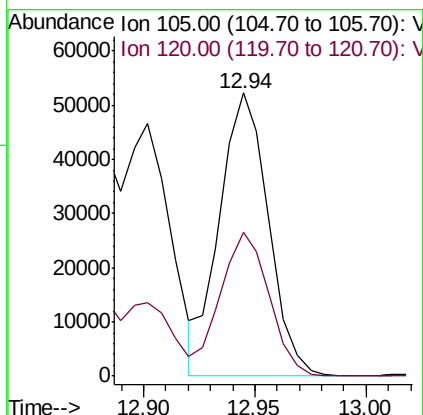
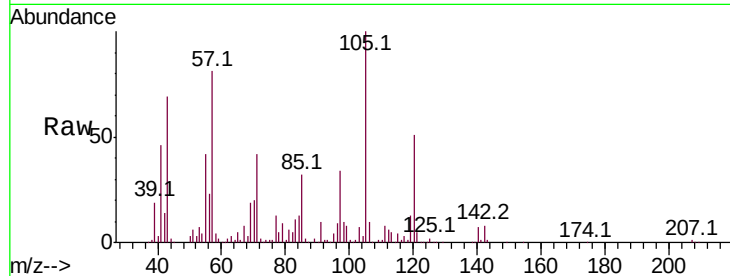




#80
 1,3,5-Trimethylbenzene
 Concen: 25.793 ug/l
 RT: 12.94 min Scan# 1811
 Delta R.T. 0.00 min
 Lab File: VW010668.D
 Acq: 03 Jun 2019 19:11

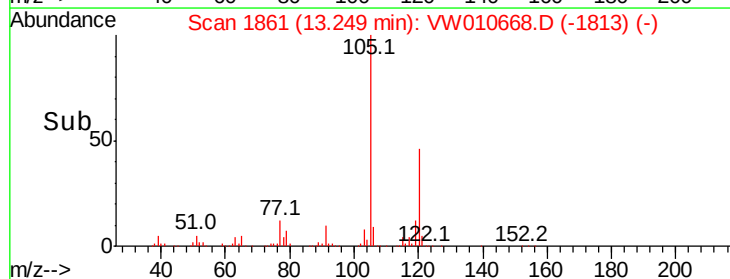
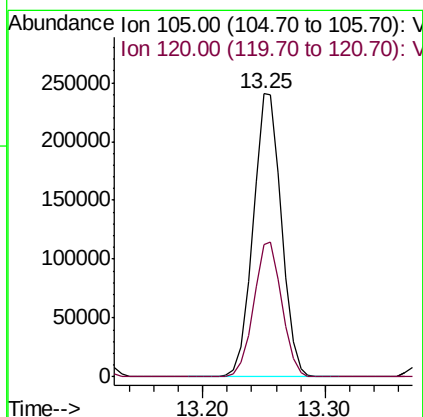
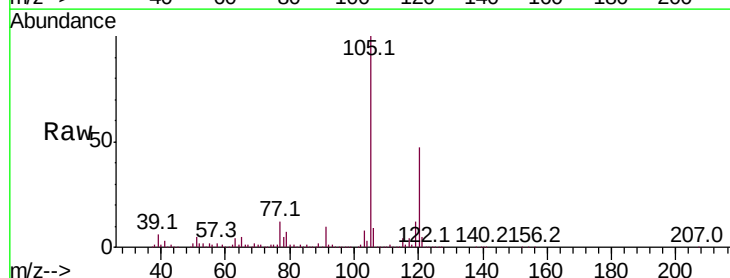
Instrument :
 MSVOA_W
 ClientSampled :
 30268

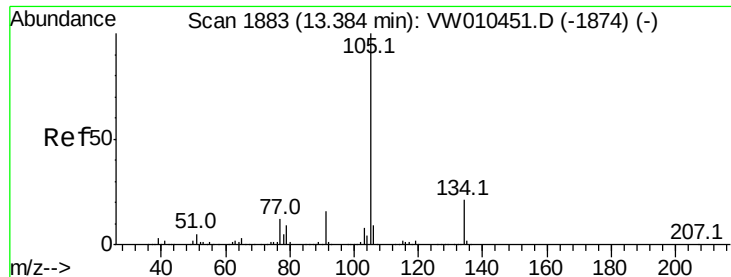
Tot Ion:105 Resp: 79249
 Ion Ratio Lower Upper
 105 100
 120 50.9 25.2 75.6



#84
 1,2,4-Trimethylbenzene
 Concen: 126.303 ug/l
 RT: 13.25 min Scan# 1861
 Delta R.T. -0.01 min
 Lab File: VW010668.D
 Acq: 03 Jun 2019 19:11

Tgt Ion:105 Resp: 386498
 Ion Ratio Lower Upper
 105 100
 120 47.3 23.4 70.2





#85

sec-Butylbenzene

Concen: 9.172 ug/l

RT: 13.38 min Scan# 1883

Delta R.T. 0.00 min

Lab File: VW010668.D

Acq: 03 Jun 2019 19:11

Instrument :

MSVOA_W

ClientSampled :

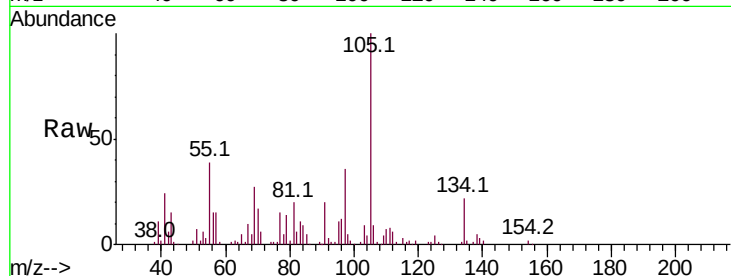
30268

Tot Ion:105 Resp: 34449

Ion Ratio Lower Upper

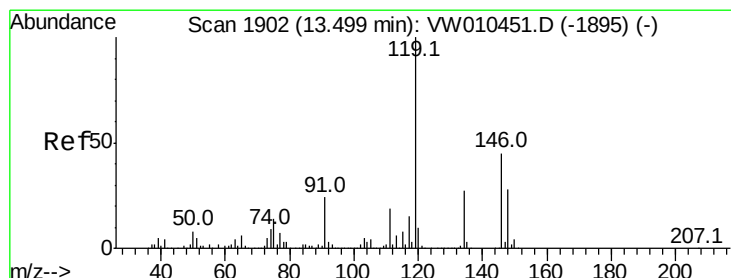
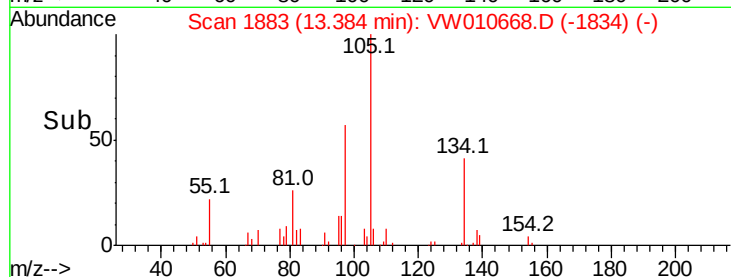
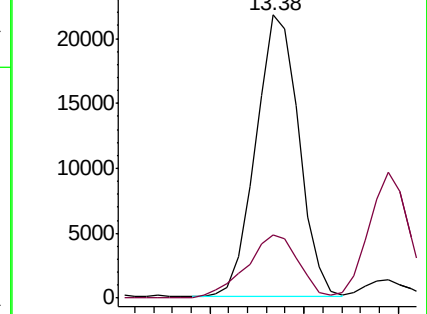
105 100

134 27.2 10.5 31.6



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 7.444 ug/l

RT: 13.50 min Scan# 1902

Delta R.T. 0.00 min

Lab File: VW010668.D

Acq: 03 Jun 2019 19:11

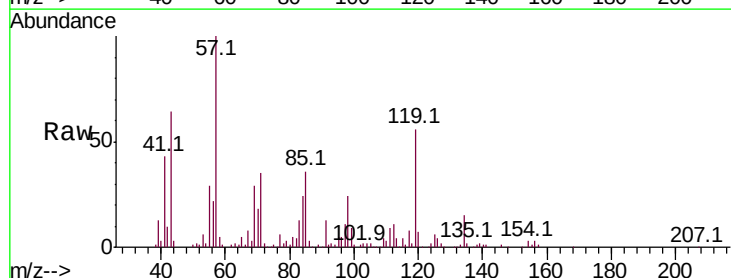
Tgt Ion:119 Resp: 25306

Ion Ratio Lower Upper

119 100

134 27.5 13.6 40.7

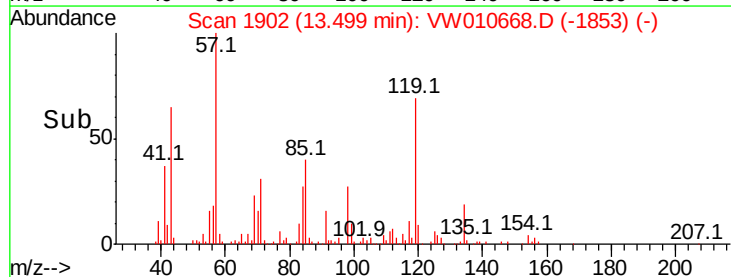
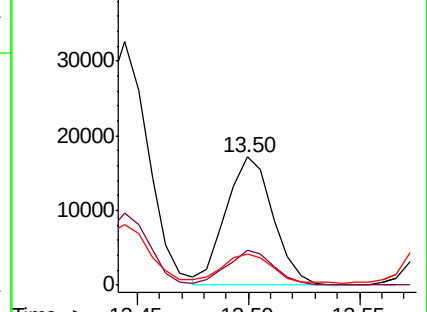
91 23.2 11.9 35.7

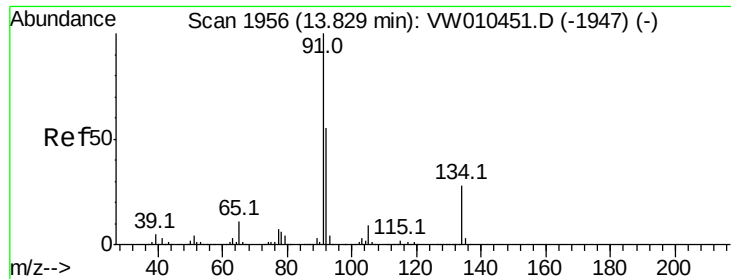


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V





#89

n-Butylbenzene

Concen: 21.467 ug/l

RT: 13.83 min Scan# 1956

Delta R.T. 0.00 min

Lab File: VW010668.D

Acq: 03 Jun 2019 19:11

Instrument :

MSVOA_W

ClientSampleId :

30268

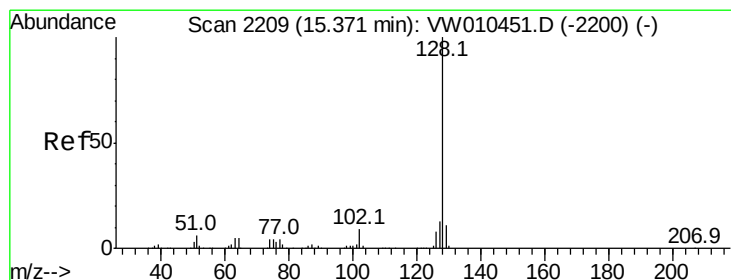
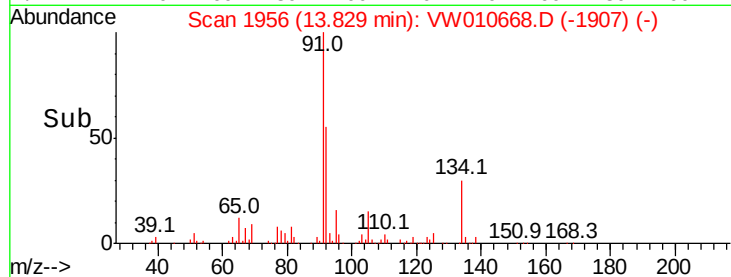
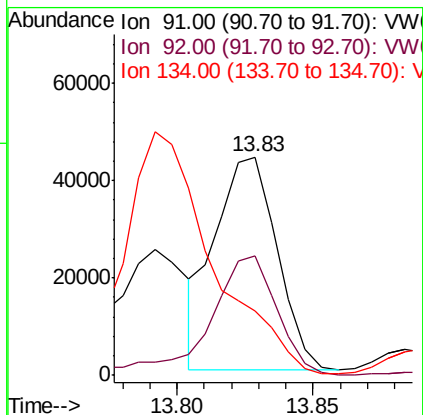
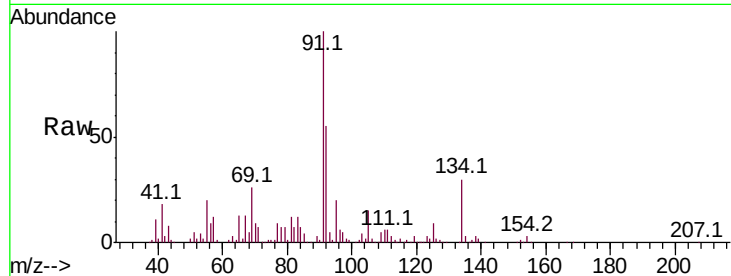
Tot Ion: 91 Resp: 69416

Ion Ratio Lower Upper

91 100

92 58.9 27.7 83.1

134 0.0 13.9 41.6#



#95

Naphthalene

Concen: 88.709 ug/l

RT: 15.37 min Scan# 2209

Delta R.T. 0.00 min

Lab File: VW010668.D

Acq: 03 Jun 2019 19:11

Tgt Ion: 128 Resp: 183866

Ion Ratio Lower Upper

128 100

127 10.4 10.6 15.8#

129 13.5 8.9 13.3#

