

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW081318\
 Data File : VW004619.D
 Acq On : 11 Aug 2018 02:25
 Operator : SY/AP
 Sample : J4272-03
 Misc : 6.30G/5ML/MSVOA W/SOIL
 ALS Vial : 38 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 JC-03-080918-B

Quant Time: Aug 11 03:54:57 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W080618S.M
 Quant Title : SW846 8260
 QLast Update : Tue Aug 07 08:22:01 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	144335	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.85	114	224364	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	162346	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.57	152	57834	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	73017	45.70	ug/l	0.00
Spiked Amount			Recovery	=	91.40%	
35) Dibromofluoromethane	7.89	113	67833	45.34	ug/l	0.00
Spiked Amount			Recovery	=	90.68%	
50) Toluene-d8	10.33	98	188803	33.10	ug/l	0.00
Spiked Amount			Recovery	=	66.20%	
62) 4-Bromofluorobenzene	12.62	95	53783	26.18	ug/l	0.00
Spiked Amount			Recovery	=	52.36%	

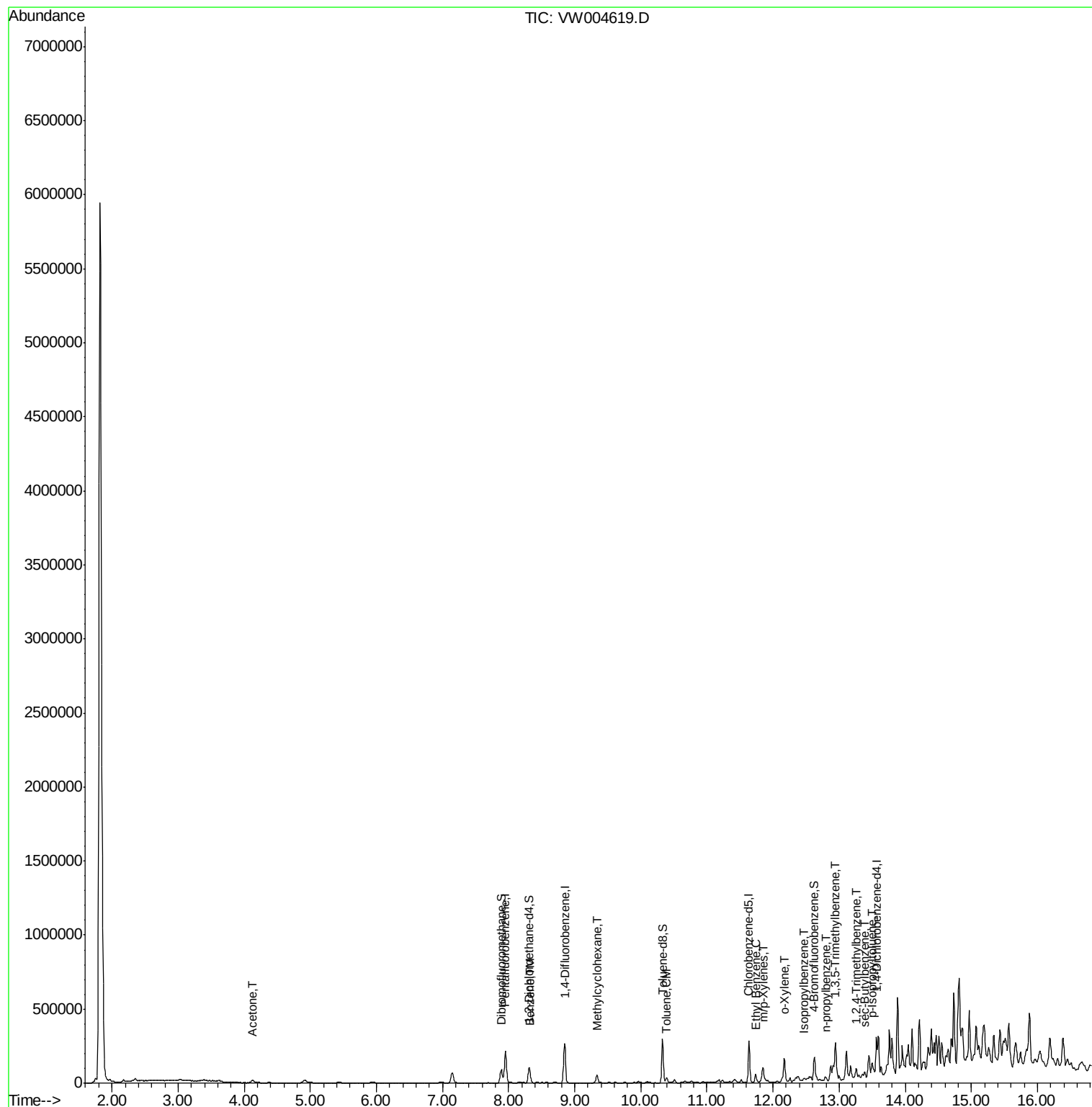
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
16) Acetone	4.12	43	29136	73.02	ug/l	98
39) Methylcyclohexane	9.34	83	18555	6.27	ug/l	93
40) Benzene	8.33	78	23919	3.37	ug/l	94
52) Toluene	10.39	92	13620	3.26	ug/l	96
67) Ethyl Benzene	11.74	91	34925	5.76	ug/l	97
68) m/p-Xylenes	11.84	106	19513	8.32	ug/l	99
69) o-Xylene	12.17	106	39758	18.29	ug/l	97
73) Isopropylbenzene	12.47	105	9291	2.32	ug/l	98
78) n-propylbenzene	12.81	91	13358	2.71	ug/l	99
80) 1,3,5-Trimethylbenzene	12.95	105	66779	19.57	ug/l	99
84) 1,2,4-Trimethylbenzene	13.26	105	36742	10.40	ug/l	99
85) sec-Butylbenzene	13.39	105	18616	4.31	ug/l	86
86) p-Isopropyltoluene	13.51	119	30058	8.03	ug/l	99

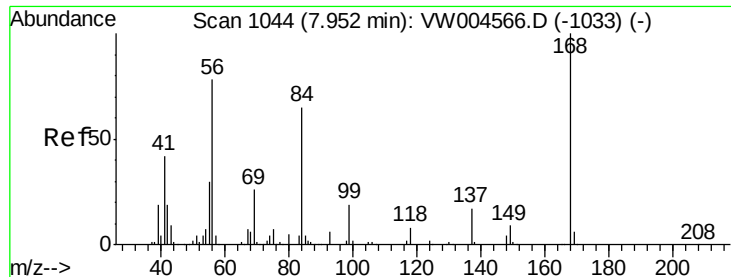
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA W\DATA\VW081318\
Data File : VW004619.D
Acq On : 11 Aug 2018 02:25
Operator : SY/AP
Sample : J4272-03
Misc : 6.30G/5ML/MSVOA W/SOIL
ALS Vial : 38 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
JC-03-080918-B

Quant Time: Aug 11 03:54:57 2018
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_W\METHOD\82W080618S.M
Quant Title : SW846 8260
QLast Update : Tue Aug 07 08:22:01 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: VW004619.D

Acq: 11 Aug 2018 02:25

Instrument :

MSVOA_W

ClientSampleId :

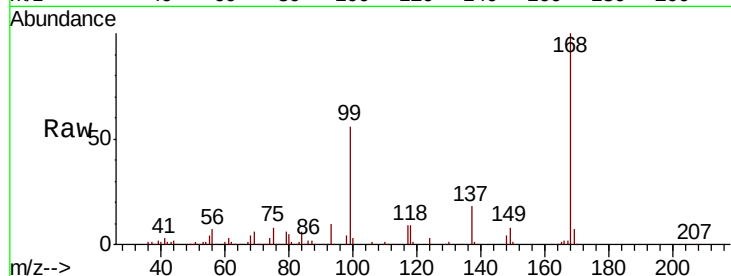
JC-03-080918-B

Tot Ion:168 Resp: 144335

Ion Ratio Lower Upper

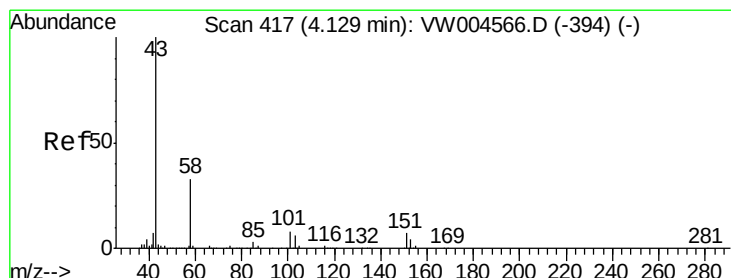
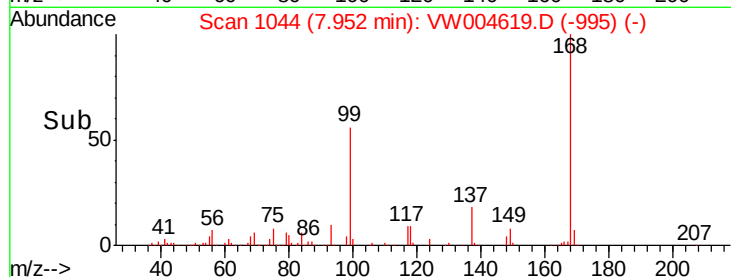
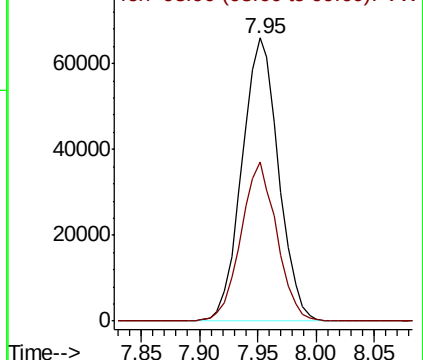
168 100

99 56.2 44.1 66.1



Abundance Ion 167.90 (167.60 to 168.60): VW

Ion 98.90 (98.60 to 99.60): VW



#16

Acetone

Concen: 73.02 ug/l

RT: 4.12 min Scan# 416

Delta R.T. -0.01 min

Lab File: VW004619.D

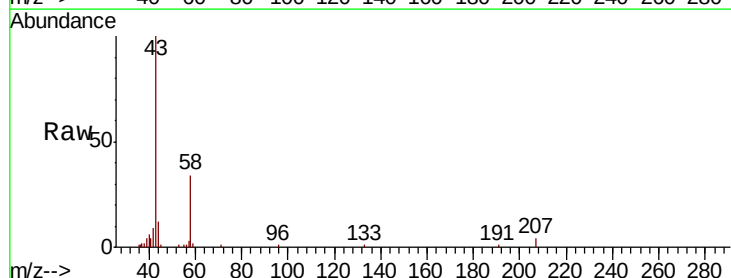
Acq: 11 Aug 2018 02:25

Tgt Ion: 43 Resp: 29136

Ion Ratio Lower Upper

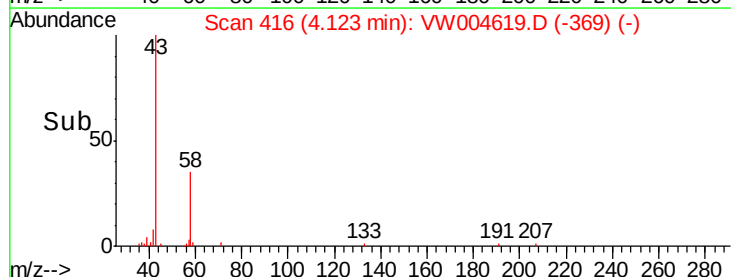
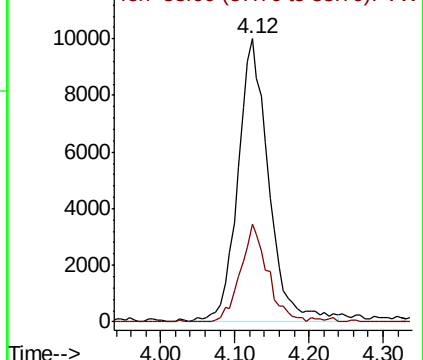
43 100

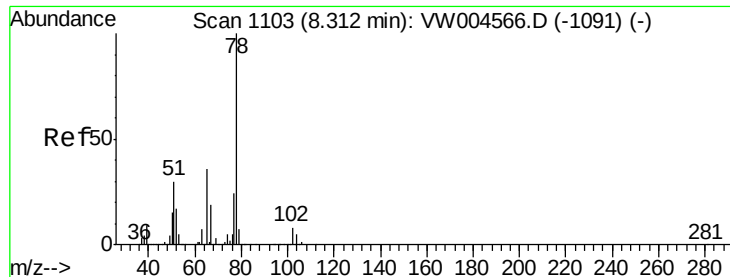
58 34.4 26.8 40.2



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW





#33

1,2-Dichloroethane-d4

Concen: 45.70 ug/l

RT: 8.31 min Scan# 1103

Delta R.T. 0.00 min

Lab File: VW004619.D

Acq: 11 Aug 2018 02:25

Instrument :

MSVOA_W

ClientSampleId :

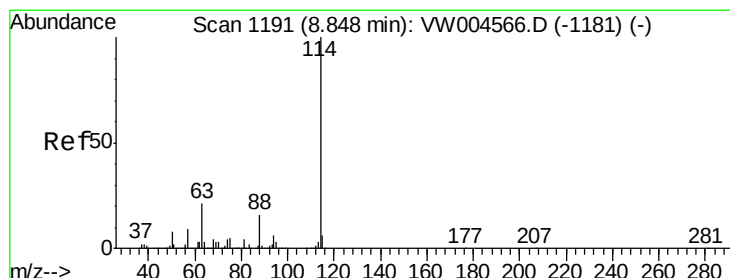
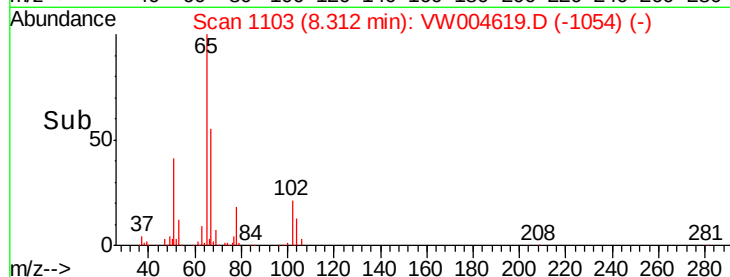
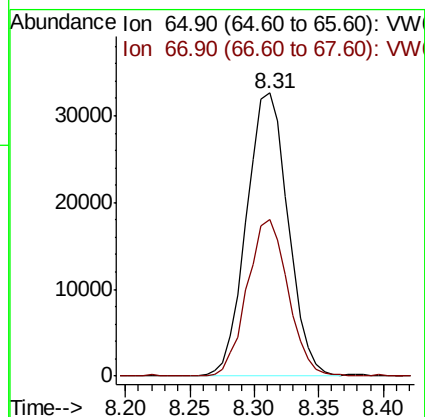
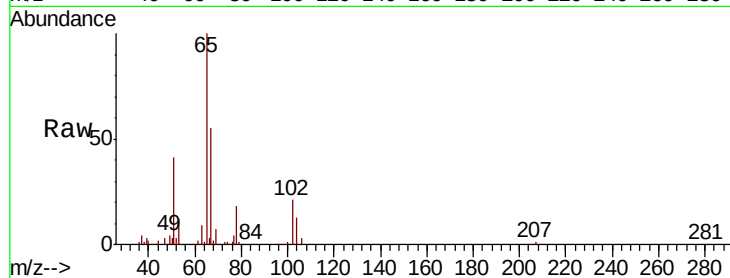
JC-03-080918-B

Tot Ion: 65 Resp: 73017

Ion Ratio Lower Upper

65 100

67 54.5 0.0 109.0



#34

1,4-Difluorobenzene

Concen: 50.00 ug/l

RT: 8.85 min Scan# 1191

Delta R.T. 0.00 min

Lab File: VW004619.D

Acq: 11 Aug 2018 02:25

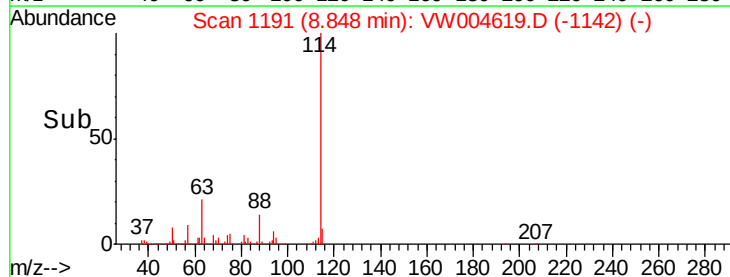
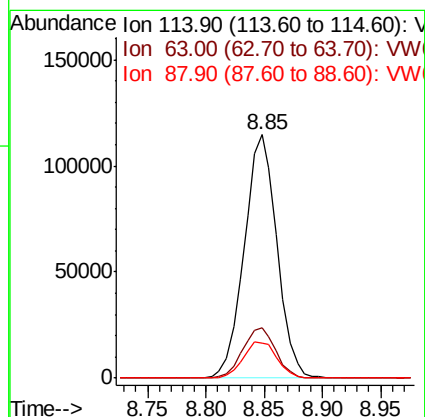
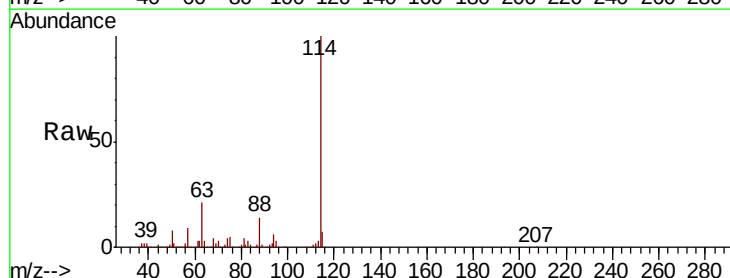
Tgt Ion: 114 Resp: 224364

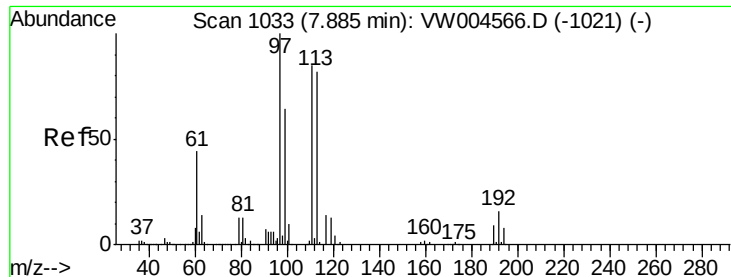
Ion Ratio Lower Upper

114 100

63 20.7 0.0 42.4

88 14.4 0.0 31.2

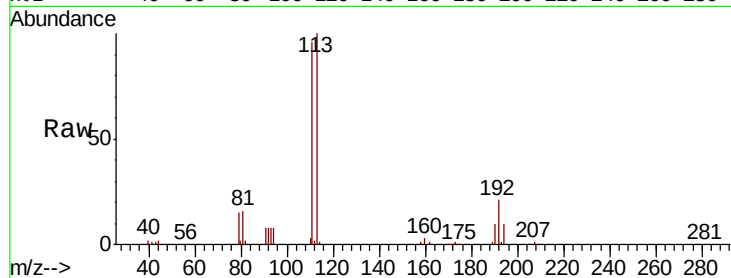




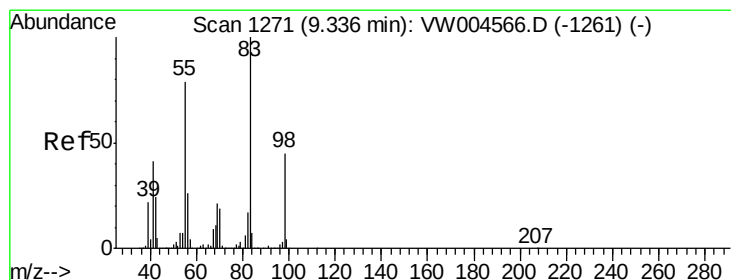
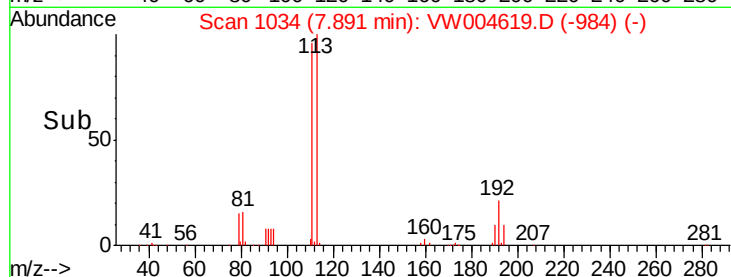
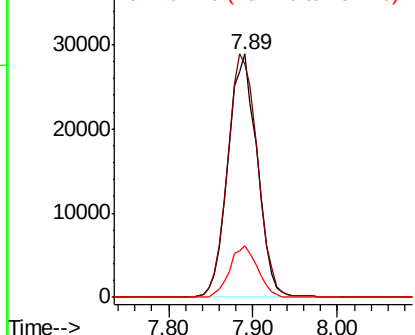
#35
 Dibromofluoromethane
 Concen: 45.34 ug/l
 RT: 7.89 min Scan# 1034
 Delta R.T. 0.01 min
 Lab File: VW004619.D
 Acq: 11 Aug 2018 02:25

Instrument :
 MSVOA_W
 ClientSampleId :
 JC-03-080918-B

Tot Ion:113 Resp: 67833
 Ion Ratio Lower Upper
 113 100
 111 102.9 82.9 124.3
 192 20.1 15.8 23.6

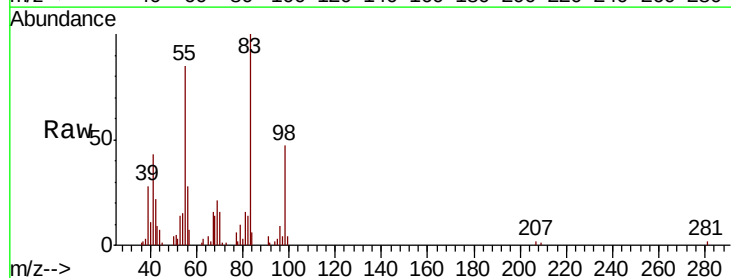


Abundance Ion 112.80 (112.50 to 113.50): V
 Ion 110.80 (110.50 to 111.50): V
 Ion 191.70 (191.40 to 192.40): V

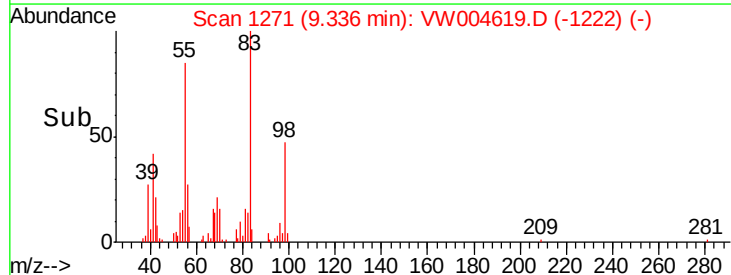
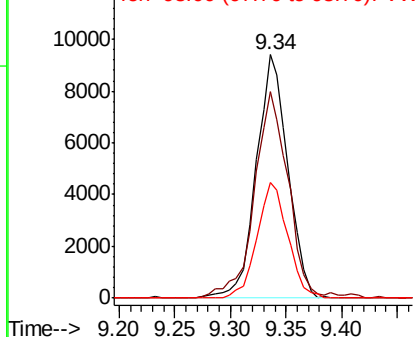


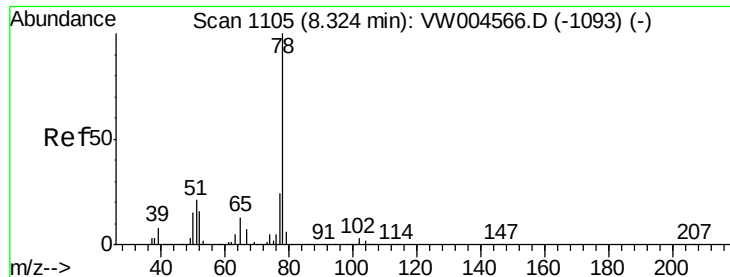
#39
 Methylcyclohexane
 Concen: 6.27 ug/l
 RT: 9.34 min Scan# 1271
 Delta R.T. 0.00 min
 Lab File: VW004619.D
 Acq: 11 Aug 2018 02:25

Tgt Ion: 83 Resp: 18555
 Ion Ratio Lower Upper
 83 100
 55 85.0 62.5 93.7
 98 47.3 35.4 53.2



Abundance Ion 83.00 (82.70 to 83.70): VW
 Ion 55.00 (54.70 to 55.70): VW
 Ion 98.00 (97.70 to 98.70): VW





#40

Benzene

Concen: 3.37 ug/l

RT: 8.33 min Scan# 1106

Delta R.T. 0.01 min

Lab File: VW004619.D

Acq: 11 Aug 2018 02:25

Instrument :

MSVOA_W

ClientSampleId :

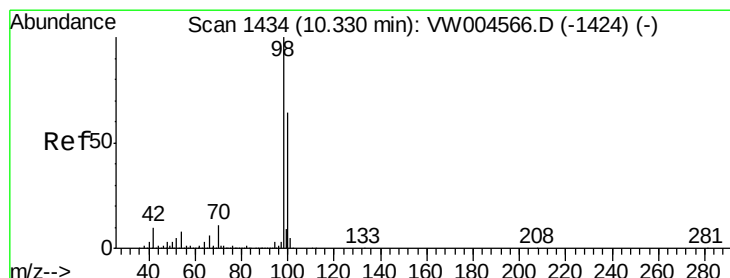
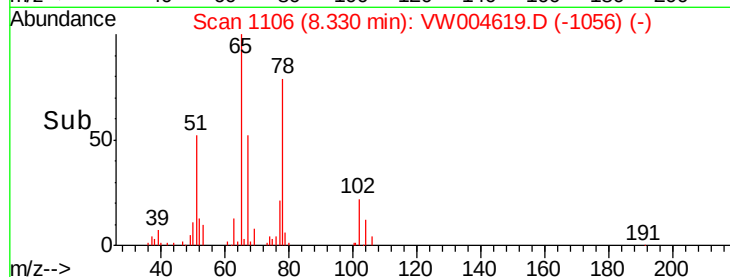
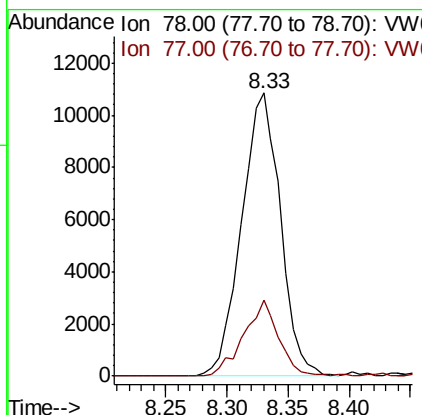
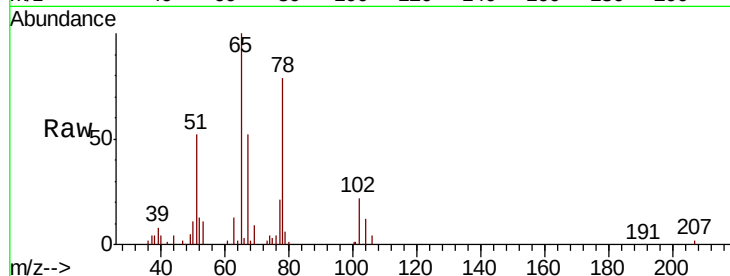
JC-03-080918-B

Tot Ion: 78 Resp: 23919

Ion Ratio Lower Upper

78 100

77 26.9 19.0 28.6



#50

Toluene-d8

Concen: 33.10 ug/l

RT: 10.33 min Scan# 1434

Delta R.T. 0.00 min

Lab File: VW004619.D

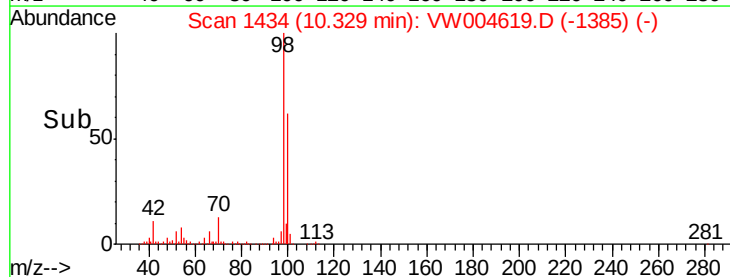
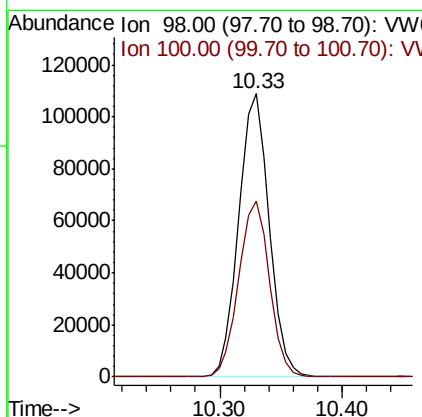
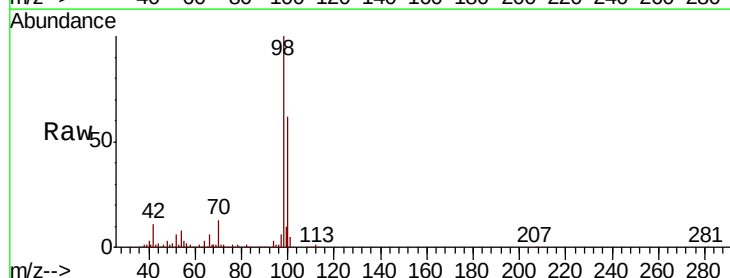
Acq: 11 Aug 2018 02:25

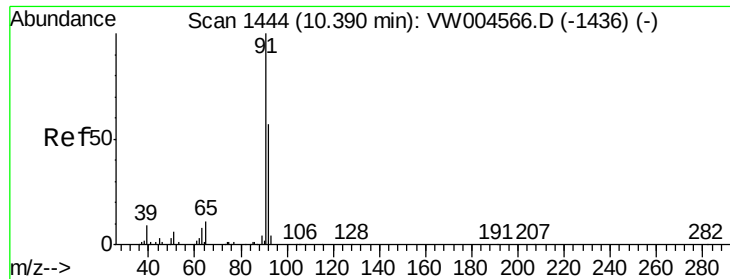
Tgt Ion: 98 Resp: 188803

Ion Ratio Lower Upper

98 100

100 62.5 51.4 77.2





#52

Toluene

Concen: 3.26 ug/l

RT: 10.39 min Scan# 1444

Delta R.T. 0.00 min

Lab File: VW004619.D

Acq: 11 Aug 2018 02:25

Instrument :

MSVOA_W

ClientSampleId :

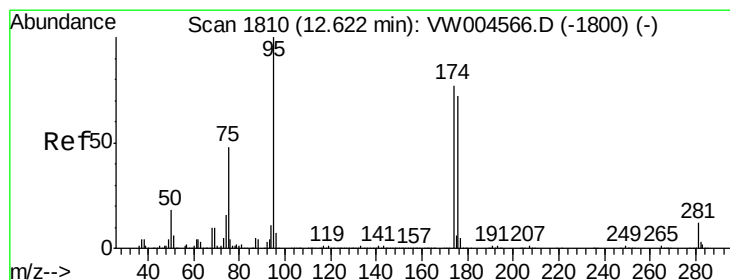
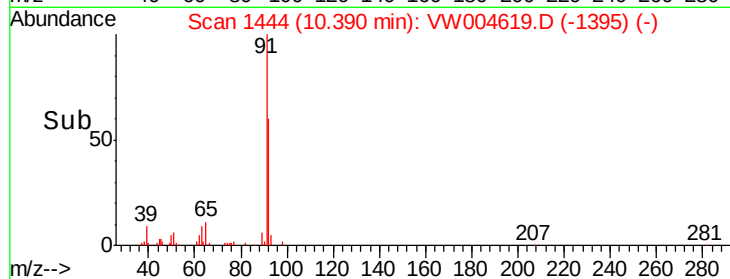
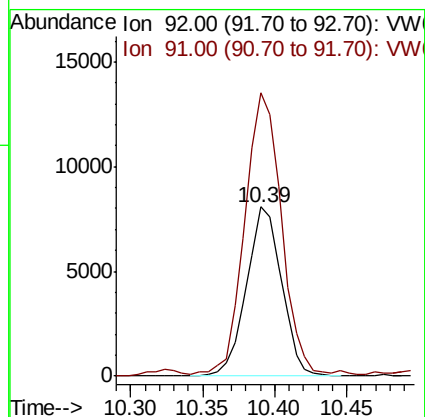
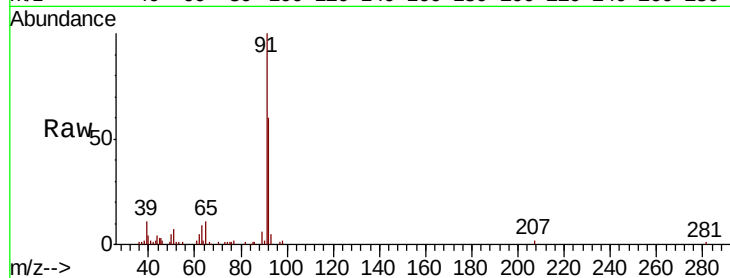
JC-03-080918-B

Tot Ion: 92 Resp: 13620

Ion Ratio Lower Upper

92 100

91 177.5 137.9 206.9



#62

4-Bromofluorobenzene

Concen: 26.18 ug/l

RT: 12.62 min Scan# 1810

Delta R.T. 0.00 min

Lab File: VW004619.D

Acq: 11 Aug 2018 02:25

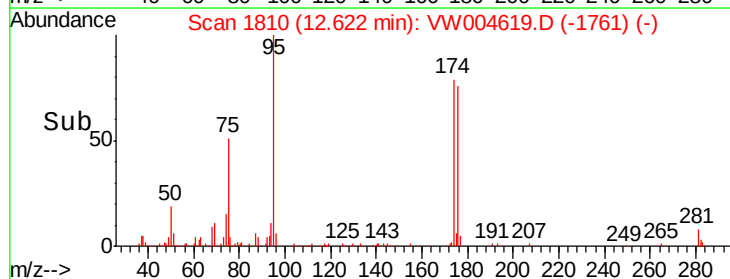
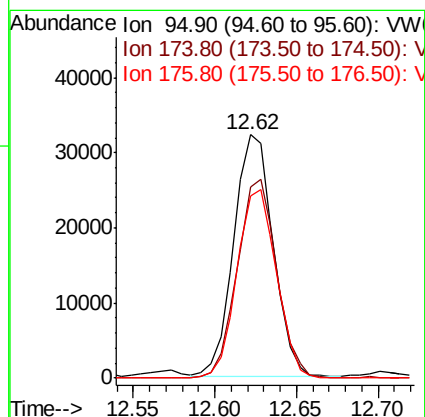
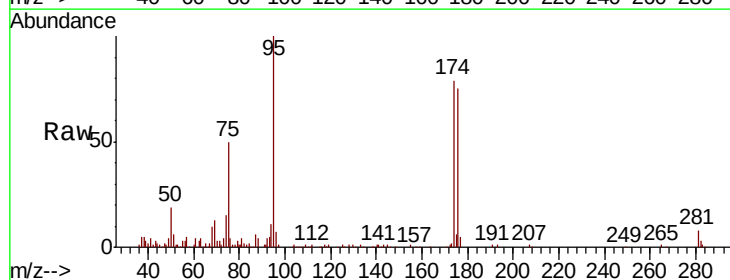
Tgt Ion: 95 Resp: 53783

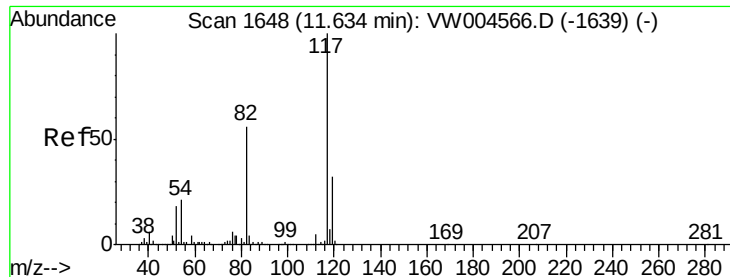
Ion Ratio Lower Upper

95 100

174 82.6 0.0 160.4

176 78.7 0.0 153.2

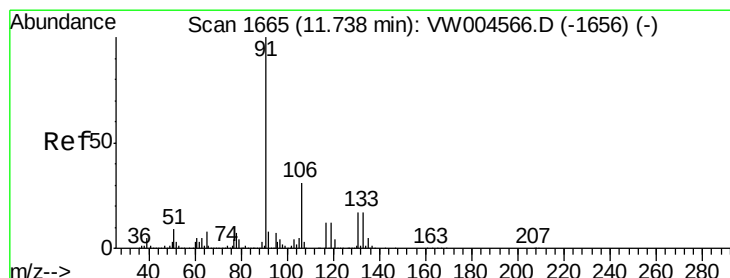
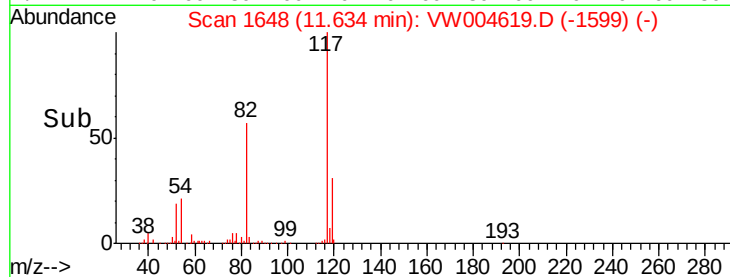
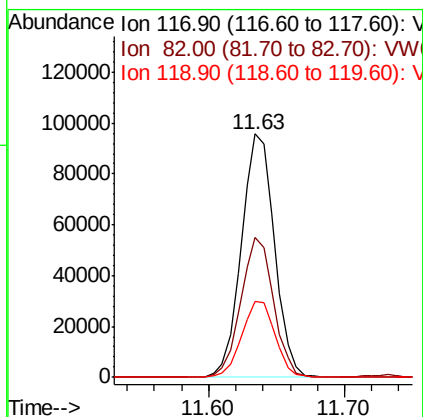
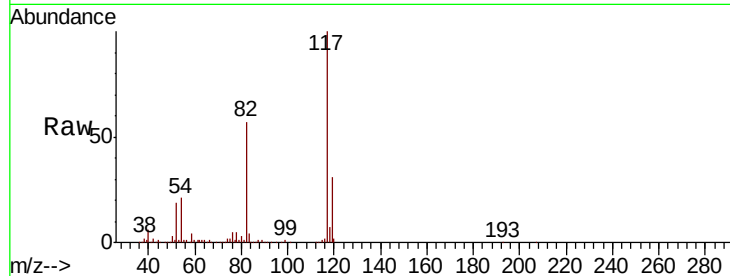




#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 11.63 min Scan# 1648
Delta R.T. 0.00 min
Lab File: VW004619.D
Acq: 11 Aug 2018 02:25

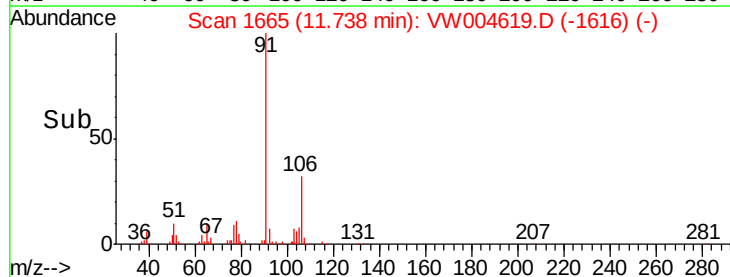
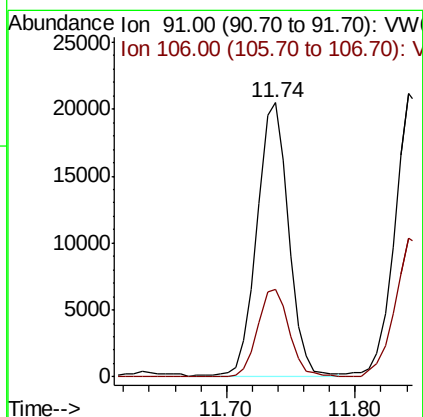
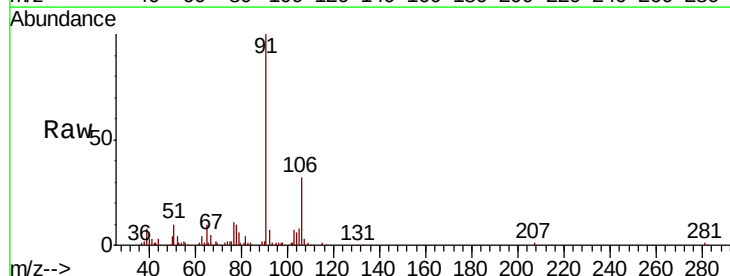
Instrument :
MSVOA_W
ClientSampleId :
JC-03-080918-B

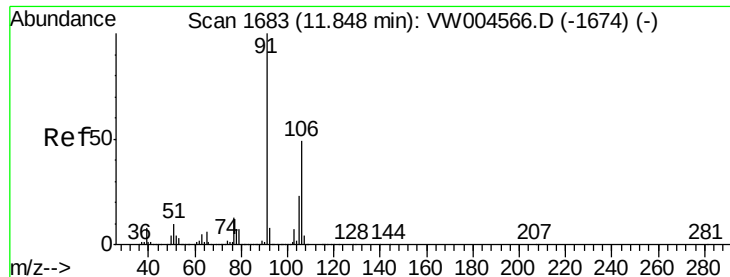
Tot Ion:117 Resp: 162346
Ion Ratio Lower Upper
117 100
82 57.1 45.3 67.9
119 31.2 26.2 39.4



#67
Ethyl Benzene
Concen: 5.76 ug/l
RT: 11.74 min Scan# 1665
Delta R.T. 0.00 min
Lab File: VW004619.D
Acq: 11 Aug 2018 02:25

Tgt Ion: 91 Resp: 34925
Ion Ratio Lower Upper
91 100
106 31.9 24.2 36.2





#68

m/p-Xylenes

Concen: 8.32 ug/l

RT: 11.84 min Scan# 1682

Delta R.T. -0.01 min

Lab File: VW004619.D

Acq: 11 Aug 2018 02:25

Instrument :

MSVOA_W

ClientSampleId :

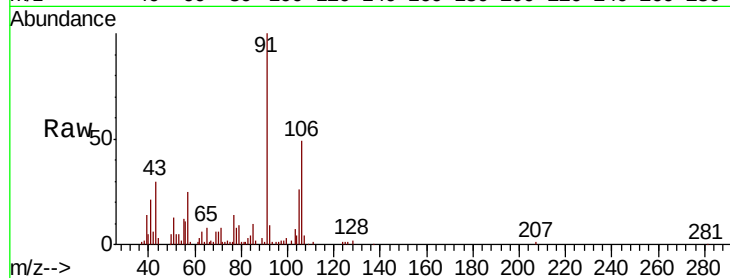
JC-03-080918-B

Tot Ion:106 Resp: 19513

Ion Ratio Lower Upper

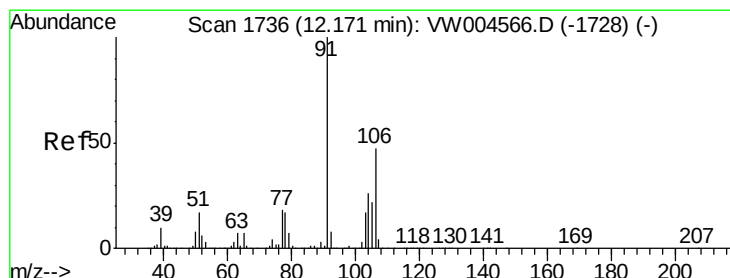
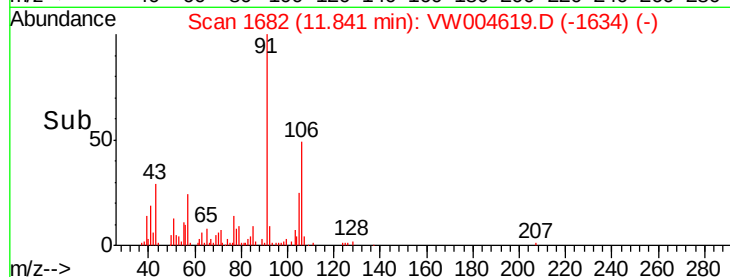
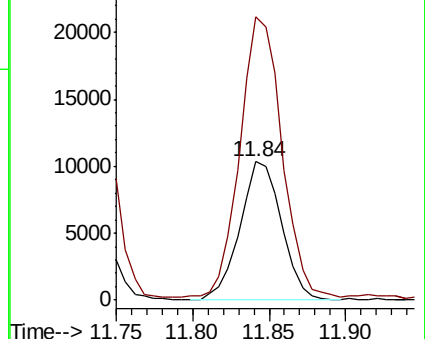
106 100

91 204.7 162.8 244.2



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VW



#69

o-Xylene

Concen: 18.29 ug/l

RT: 12.17 min Scan# 1736

Delta R.T. 0.00 min

Lab File: VW004619.D

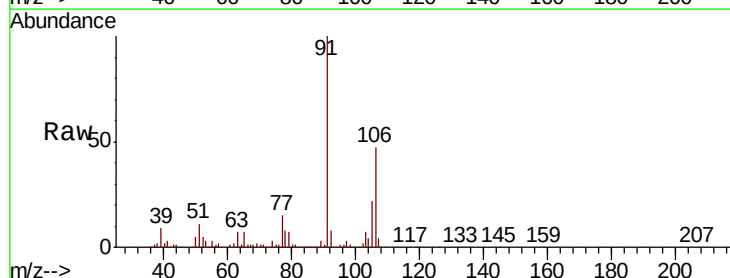
Acq: 11 Aug 2018 02:25

Tgt Ion:106 Resp: 39758

Ion Ratio Lower Upper

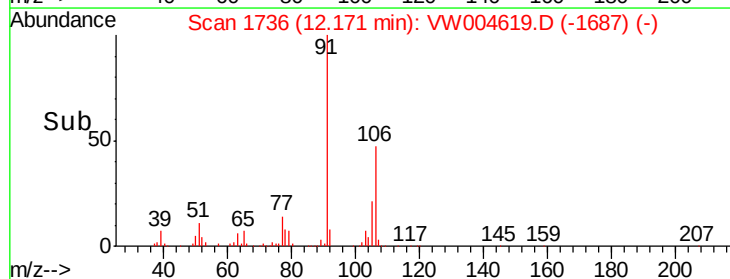
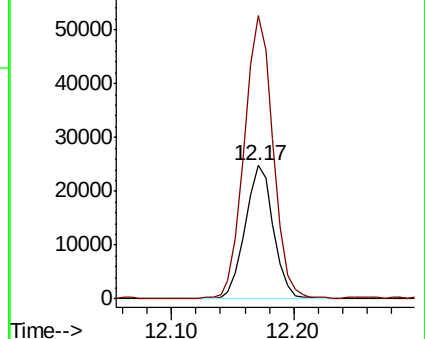
106 100

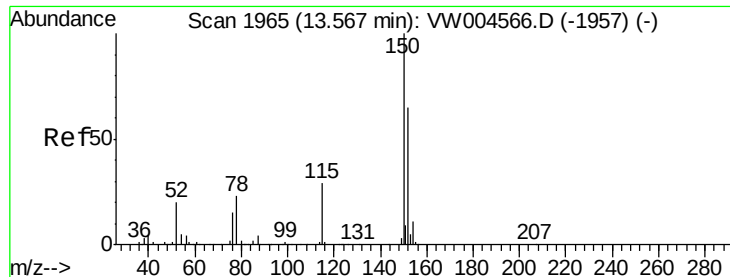
91 217.9 106.7 320.2



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: 50.00 ug/l

RT: 13.57 min Scan# 1965

Delta R.T. 0.00 min

Lab File: VW004619.D

Acq: 11 Aug 2018 02:25

Instrument :

MSVOA_W

ClientSampleId :

JC-03-080918-B

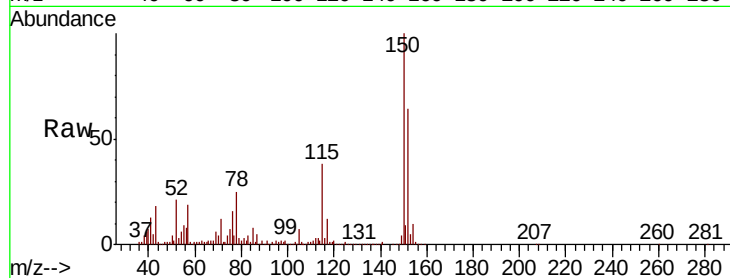
Tot Ion:152 Resp: 57834

Ion Ratio Lower Upper

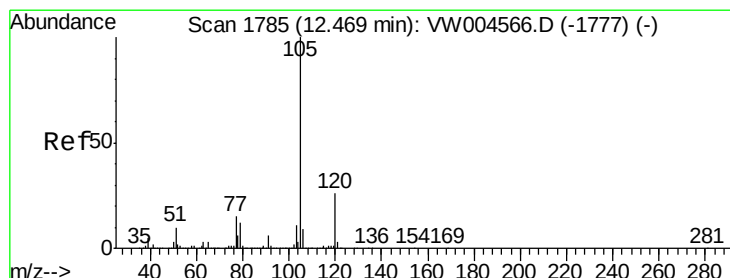
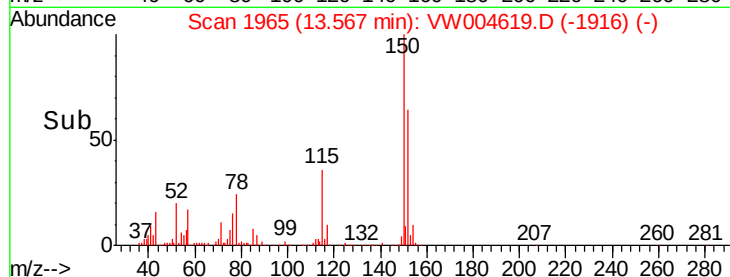
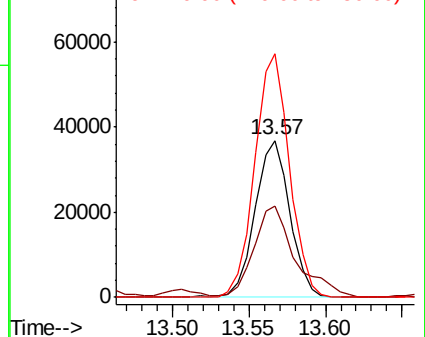
152 100

115 68.0 29.1 87.3

150 156.1 0.0 349.6



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



#73

Isopropylbenzene

Concen: 2.32 ug/l

RT: 12.47 min Scan# 1785

Delta R.T. 0.00 min

Lab File: VW004619.D

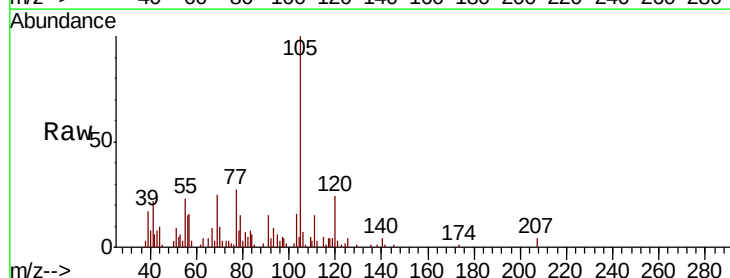
Acq: 11 Aug 2018 02:25

Tgt Ion:105 Resp: 9291

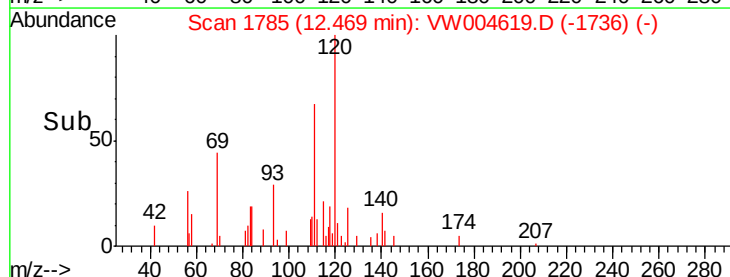
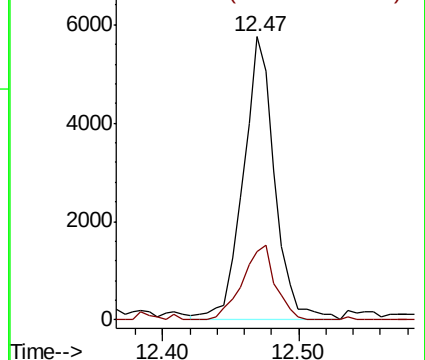
Ion Ratio Lower Upper

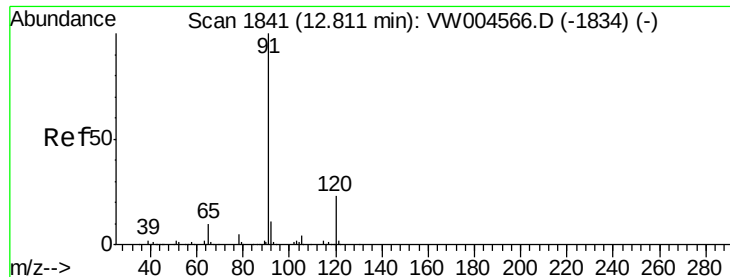
105 100

120 27.4 13.2 39.6



Abundance Ion 105.00 (104.70 to 105.70): V
Ion 120.00 (119.70 to 120.70): V





#78

n-propylbenzene

Concen: 2.71 ug/l

RT: 12.81 min Scan# 1841

Delta R.T. 0.00 min

Lab File: VW004619.D

Acq: 11 Aug 2018 02:25

Instrument :

MSVOA_W

ClientSampleId :

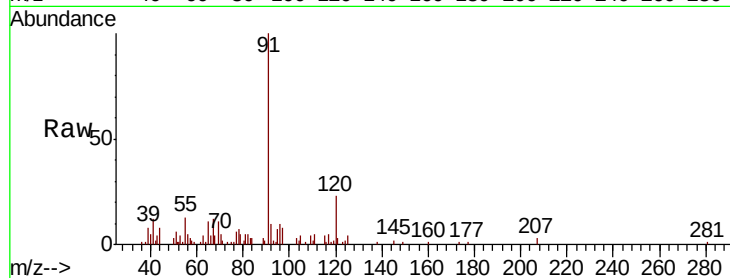
JC-03-080918-B

Tot Ion: 91 Resp: 13358

Ion Ratio Lower Upper

91 100

120 23.2 11.3 33.9



Abundance Ion 91.00 (90.70 to 91.70): VW

Ion 120.00 (119.70 to 120.70): V

12000

10000

8000

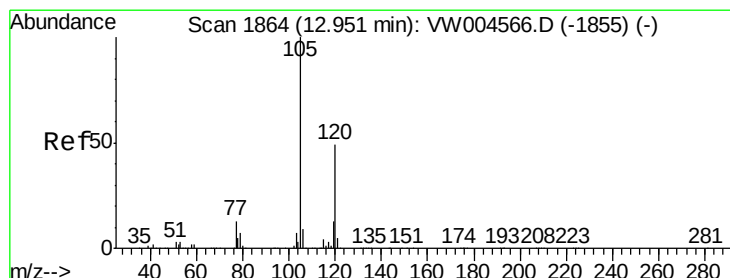
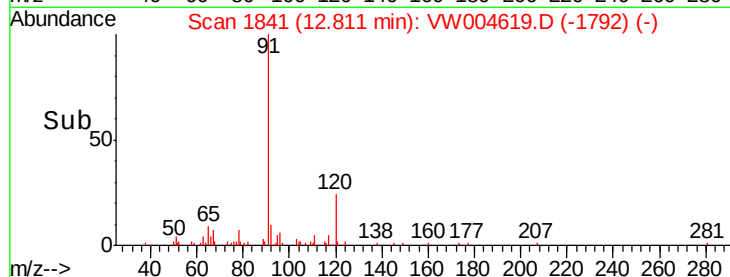
6000

4000

2000

0

Time-->



#80

1,3,5-Trimethylbenzene

Concen: 19.57 ug/l

RT: 12.95 min Scan# 1864

Delta R.T. 0.00 min

Lab File: VW004619.D

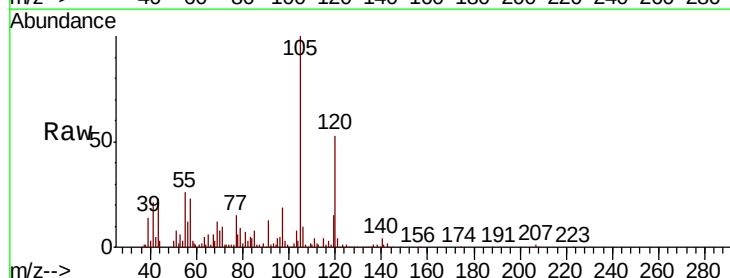
Acq: 11 Aug 2018 02:25

Tgt Ion: 105 Resp: 66779

Ion Ratio Lower Upper

105 100

120 49.6 24.6 73.8



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

50000

40000

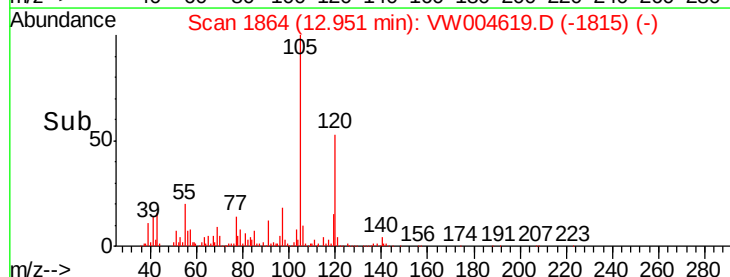
30000

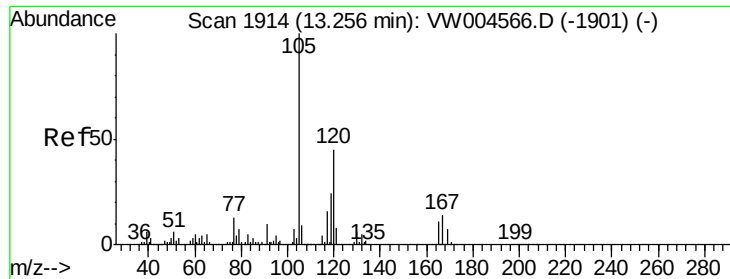
20000

10000

0

Time-->

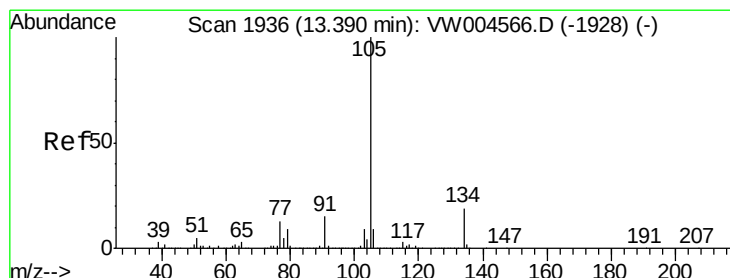
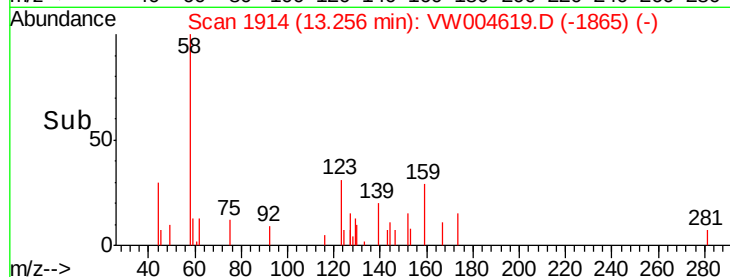
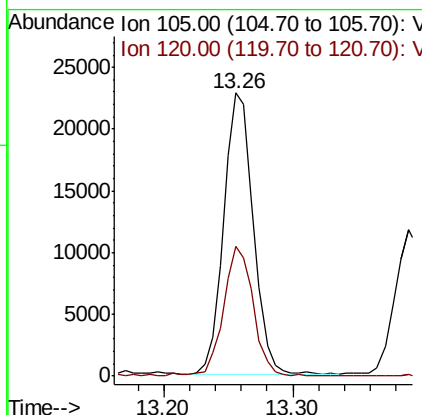
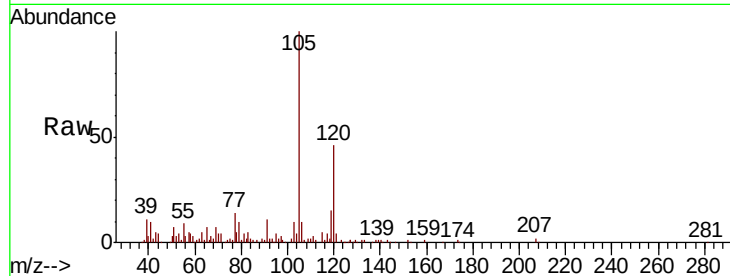




#84
 1,2,4-Trimethylbenzene
 Concen: 10.40 ug/l
 RT: 13.26 min Scan# 1914
 Delta R.T. 0.00 min
 Lab File: VW004619.D
 Acq: 11 Aug 2018 02:25

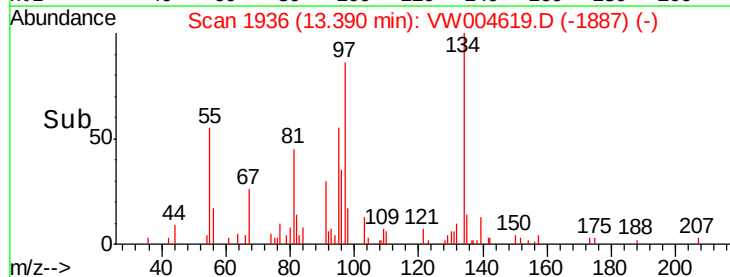
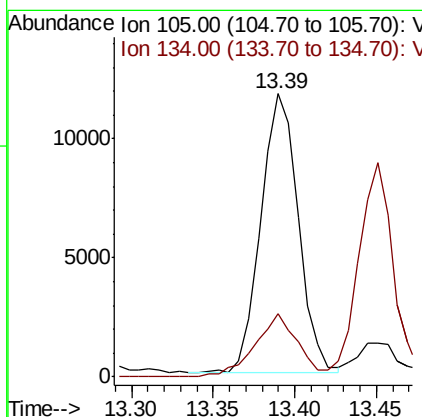
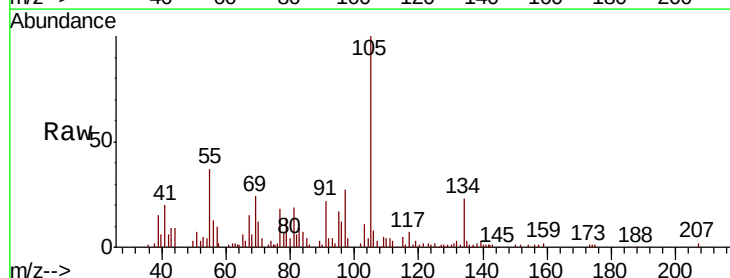
Instrument :
 MSVOA_W
 ClientSampleId :
 JC-03-080918-B

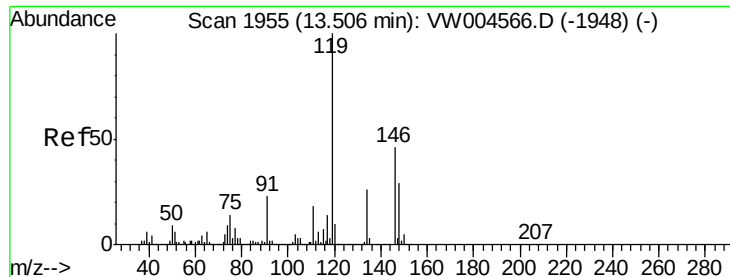
Tot Ion:105 Resp: 36742
 Ion Ratio Lower Upper
 105 100
 120 45.7 22.6 67.8



#85
 sec-Butylbenzene
 Concen: 4.31 ug/l
 RT: 13.39 min Scan# 1936
 Delta R.T. 0.00 min
 Lab File: VW004619.D
 Acq: 11 Aug 2018 02:25

Tgt Ion:105 Resp: 18616
 Ion Ratio Lower Upper
 105 100
 134 25.9 9.8 29.5





#86

p-Isopropyltoluene

Concen: 8.03 ug/l

RT: 13.51 min Scan# 1955

Delta R.T. 0.00 min

Lab File: VW004619.D

Acq: 11 Aug 2018 02:25

Instrument :

MSVOA_W

ClientSampleId :

JC-03-080918-B

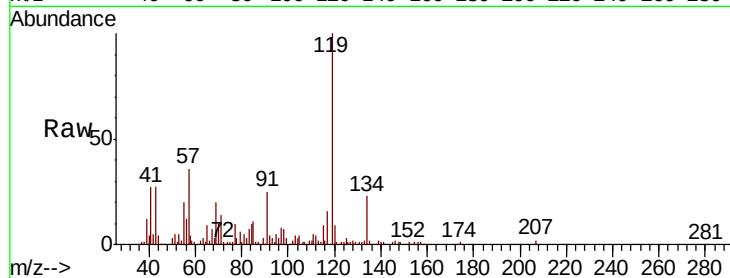
Tot Ion:119 Resp: 30058

Ion Ratio Lower Upper

119 100

134 25.6 13.1 39.1

91 23.6 11.4 34.1



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): VW

