

Data Path : Z:\voasrv\HPCHEM1\MSVOA U\Data\VU071118\
 Data File : VU025327.D
 Acq On : 11 Jul 2018 20:20
 Operator : MD/SY
 Sample : J3922-01
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 SS037MW036-180709

Quant Time: Jul 12 08:38:19 2018
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\82U070918W.M
 Quant Title : SW846 8260
 QLast Update : Tue Jul 10 09:34:16 2018
 Response via : Initial Calibration

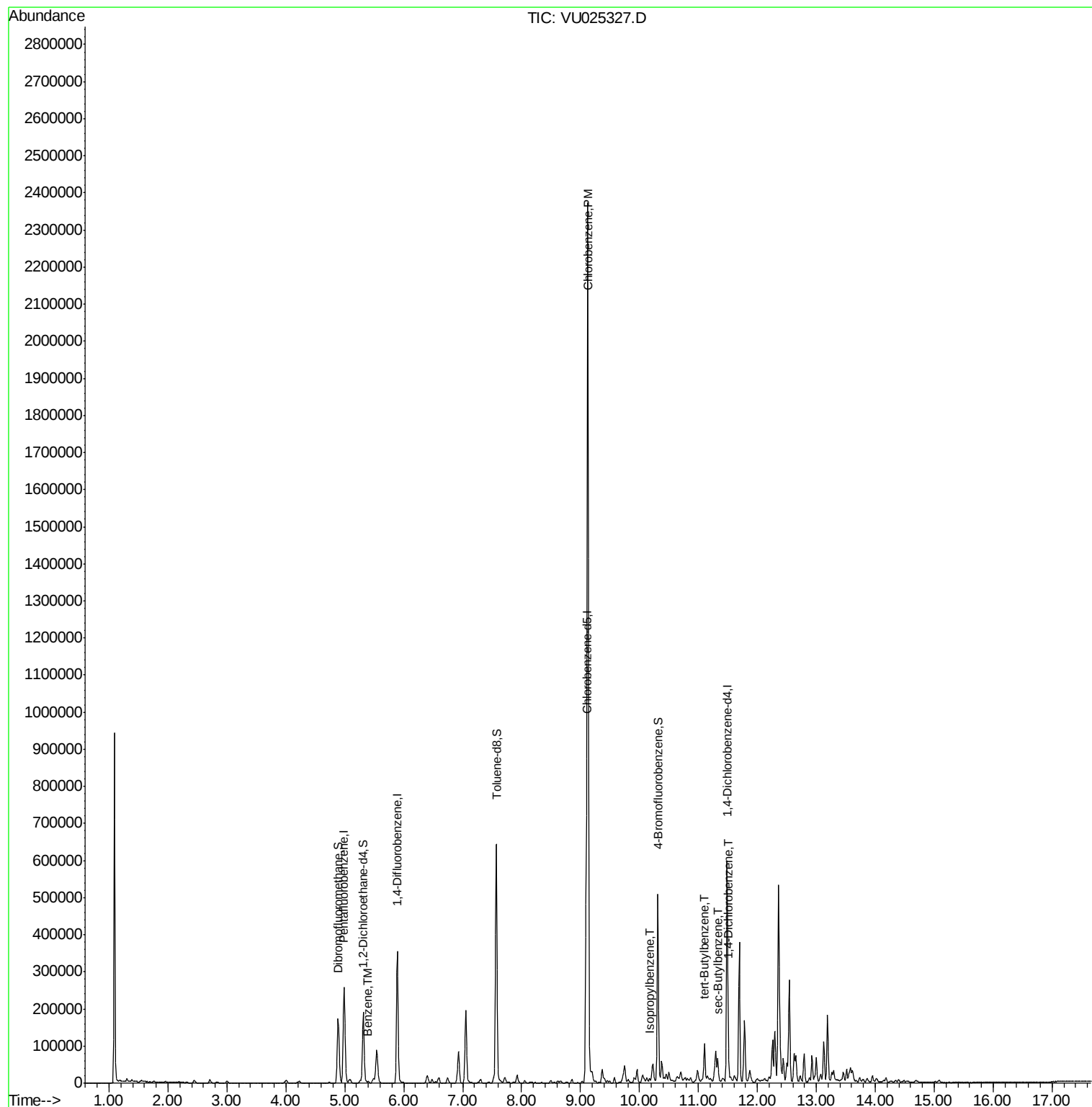
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	4.99	168	200093	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.89	114	303477	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.09	117	285188	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.49	152	154274	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.31	65	152507	49.06	ug/l	0.00
Spiked Amount 50.000			Recovery	=	98.12%	
35) Dibromofluoromethane	4.89	113	117657	45.96	ug/l	0.00
Spiked Amount 50.000			Recovery	=	91.92%	
50) Toluene-d8	7.57	98	437408	49.89	ug/l	0.00
Spiked Amount 50.000			Recovery	=	99.78%	
62) 4-Bromofluorobenzene	10.31	95	164580	46.63	ug/l	0.00
Spiked Amount 50.000			Recovery	=	93.26%	
Target Compounds						
40) Benzene	5.40	78	4251	0.44	ug/l	94
65) Chlorobenzene	9.12	112	1264515	177.49	ug/l	100
73) Isopropylbenzene	10.17	105	7121	0.60	ug/l	92
83) tert-Butylbenzene	11.10	119	45692	4.56	ug/l	89
85) sec-Butylbenzene	11.33	105	33244	2.82	ug/l	94
88) 1,4-Dichlorobenzene	11.51	146	3757	2.16	ug/l #	58

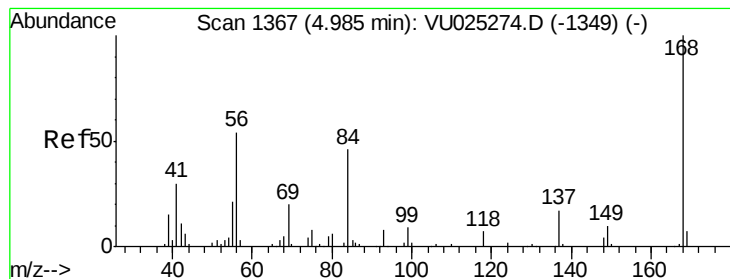
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 4.99 min Scan# 1368

Delta R.T. 0.00 min

Lab File: VU025327.D

Acq: 11 Jul 2018 20:20

Instrument :

MSVOA_U

ClientSampleId :

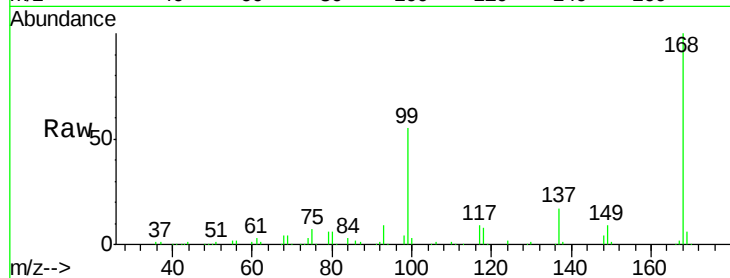
SS037MW036-180709

Tot Ion:168 Resp: 200093

Ion Ratio Lower Upper

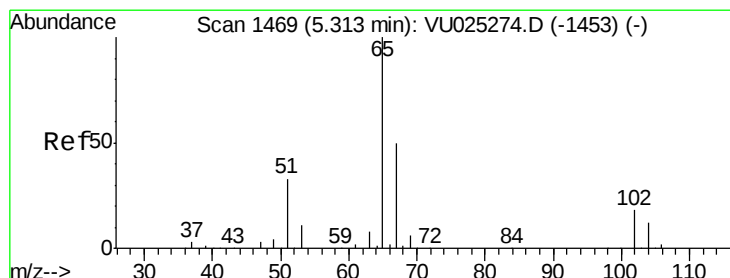
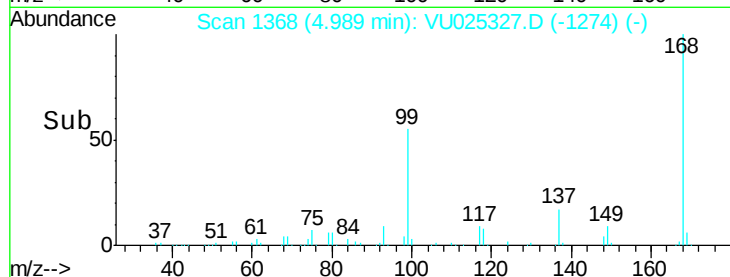
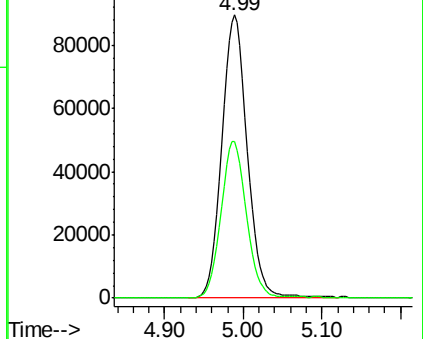
168 100

99 55.2 42.8 64.2



Abundance Ion 167.90 (167.60 to 168.60): VU025327.D (-1274) (-)

Ion 98.90 (98.60 to 99.60): VU025327.D (-1274) (-)



#33

1,2-Dichloroethane-d4

Concen: 49.06 ug/l

RT: 5.31 min Scan# 1469

Delta R.T. 0.00 min

Lab File: VU025327.D

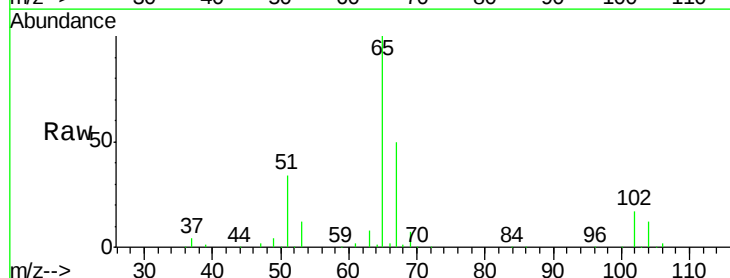
Acq: 11 Jul 2018 20:20

Tgt Ion: 65 Resp: 152507

Ion Ratio Lower Upper

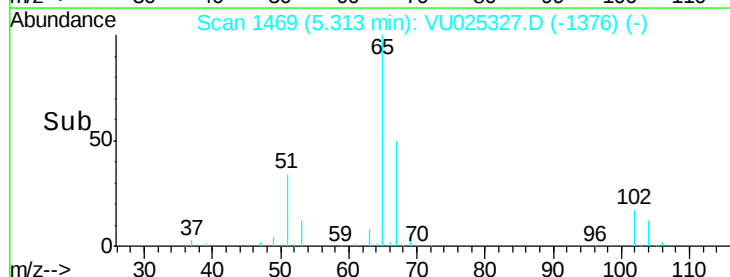
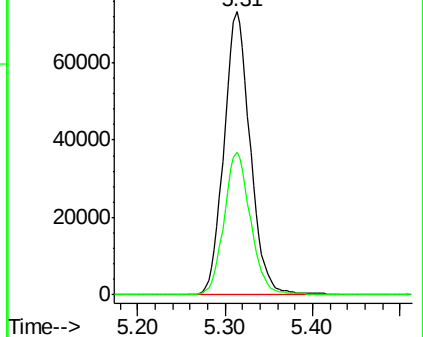
65 100

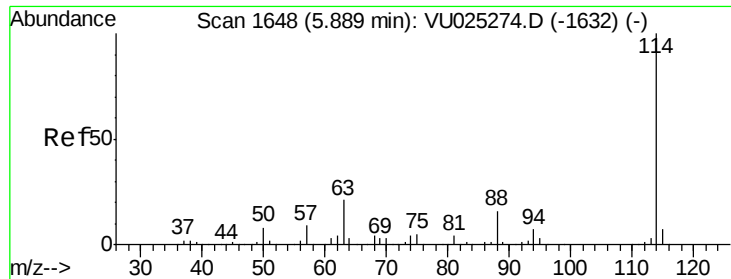
67 50.9 0.0 103.6



Abundance Ion 64.90 (64.60 to 65.60): VU025327.D (-1376) (-)

Ion 66.90 (66.60 to 67.60): VU025327.D (-1376) (-)

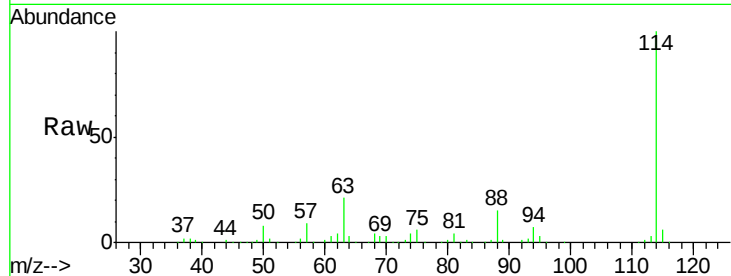




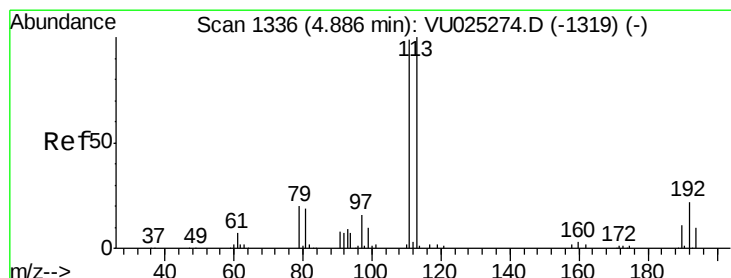
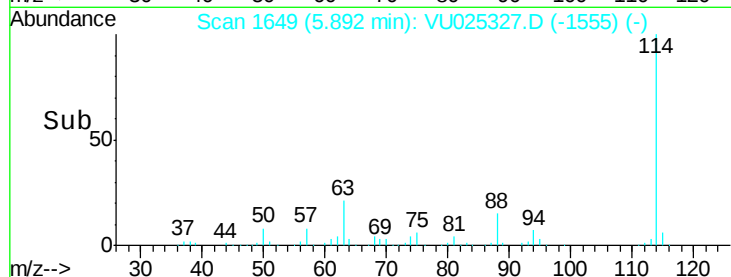
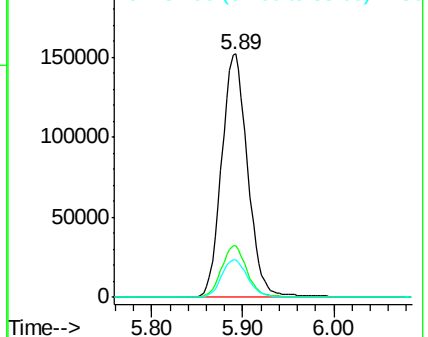
#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 5.89 min Scan# 1649
 Delta R.T. 0.00 min
 Lab File: VU025327.D
 Acq: 11 Jul 2018 20:20

Instrument :
 MSVOA_U
 ClientSampleId :
 SS037MW036-180709

Tot Ion:114 Resp: 303477
 Ion Ratio Lower Upper
 114 100
 63 21.2 0.0 41.6
 88 15.4 0.0 32.4

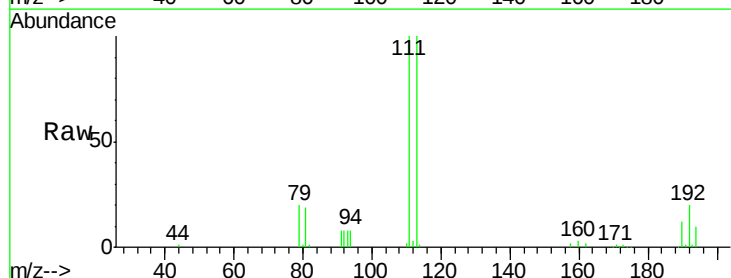


Abundance Ion 113.90 (113.60 to 114.60): V
 Ion 63.00 (62.70 to 63.70): VU0
 Ion 87.90 (87.60 to 88.60): VU0

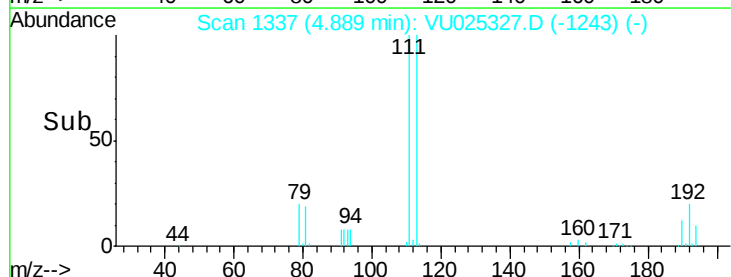
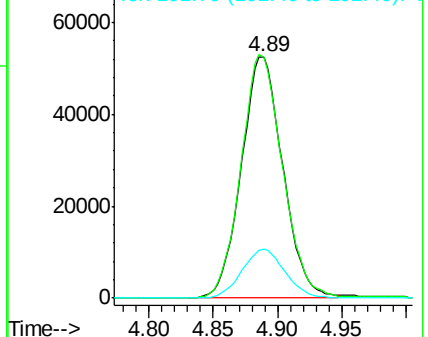


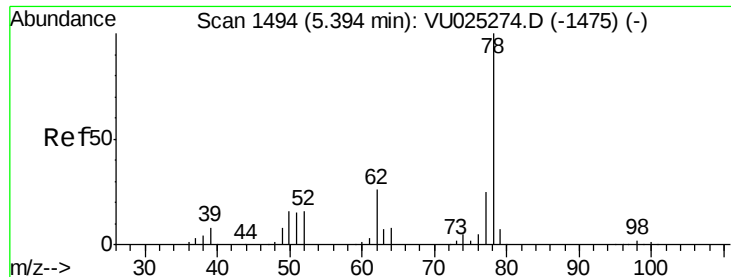
#35
 Dibromofluoromethane
 Concen: 45.96 ug/l
 RT: 4.89 min Scan# 1337
 Delta R.T. 0.00 min
 Lab File: VU025327.D
 Acq: 11 Jul 2018 20:20

Tgt Ion:113 Resp: 117657
 Ion Ratio Lower Upper
 113 100
 111 101.4 81.7 122.5
 192 21.0 17.1 25.7



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





#40

Benzene

Concen: 0.44 ug/l

RT: 5.40 min Scan# 1495

Delta R.T. 0.00 min

Lab File: VU025327.D

Acq: 11 Jul 2018 20:20

Instrument :

MSVOA_U

ClientSampleId :

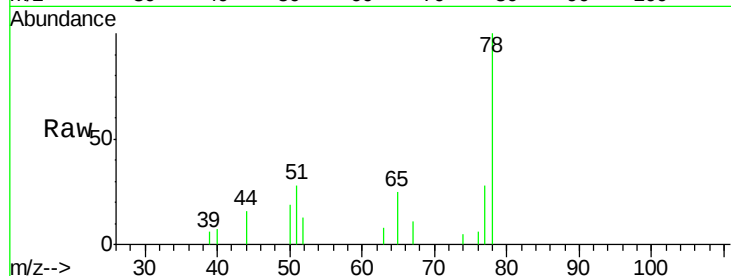
SS037MW036-180709

Tot Ion: 78 Resp: 4251

Ion Ratio Lower Upper

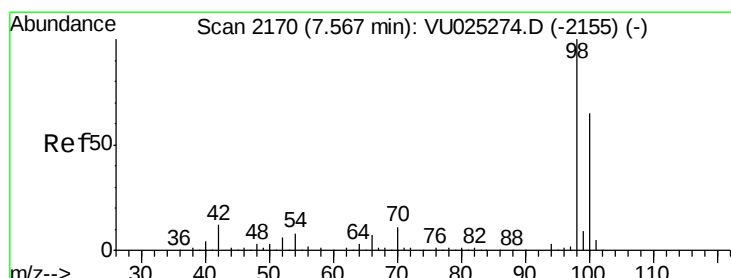
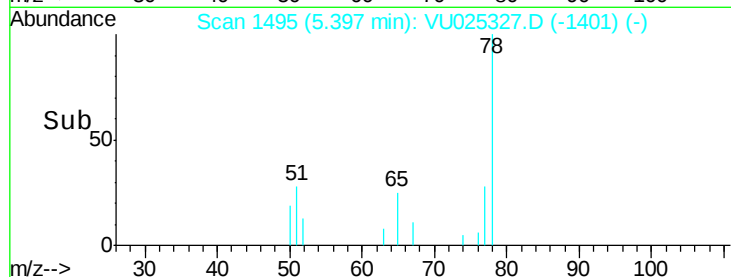
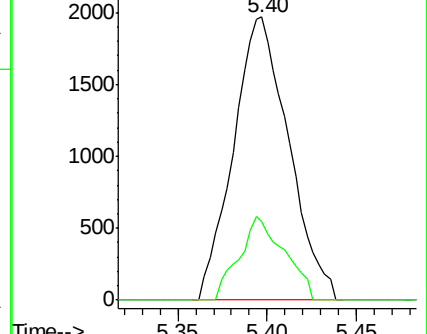
78 100

77 27.6 19.8 29.6



Abundance Ion 78.00 (77.70 to 78.70): VU0

Ion 77.00 (76.70 to 77.70): VU0



#50

Toluene-d8

Concen: 49.89 ug/l

RT: 7.57 min Scan# 2171

Delta R.T. 0.00 min

Lab File: VU025327.D

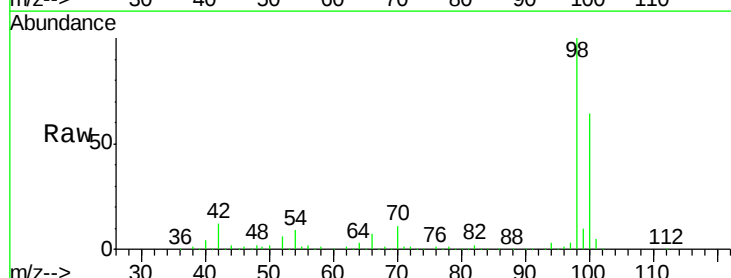
Acq: 11 Jul 2018 20:20

Tgt Ion: 98 Resp: 437408

Ion Ratio Lower Upper

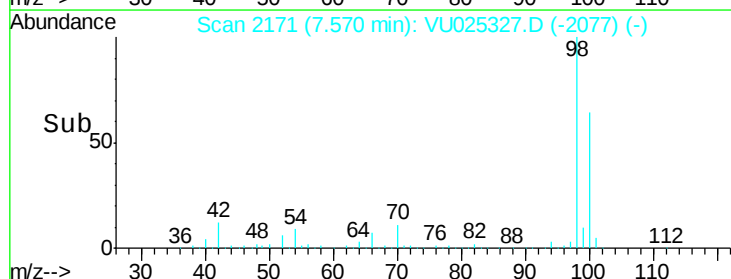
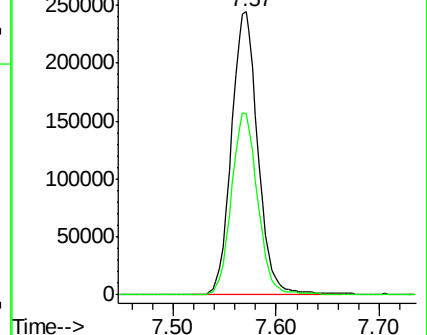
98 100

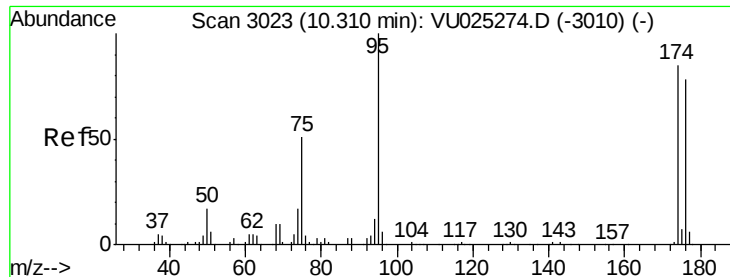
100 63.7 51.1 76.7



Abundance Ion 98.00 (97.70 to 98.70): VU0

Ion 100.00 (99.70 to 100.70): VU0





#62

4-Bromofluorobenzene

Concen: 46.63 ug/l

RT: 10.31 min Scan# 3023

Delta R.T. 0.00 min

Lab File: VU025327.D

Acq: 11 Jul 2018 20:20

Instrument :

MSVOA_U

ClientSampleId :

SS037MW036-180709

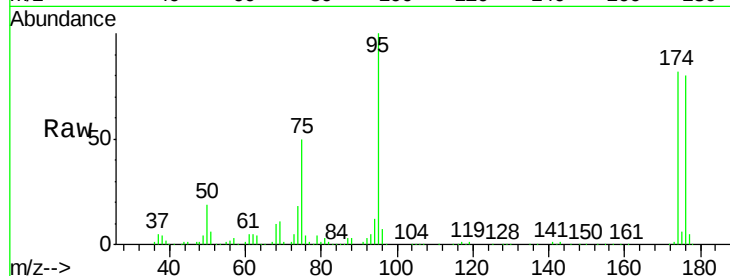
Tot Ion: 95 Resp: 164580

Ion Ratio Lower Upper

95 100

174 84.9 0.0 172.2

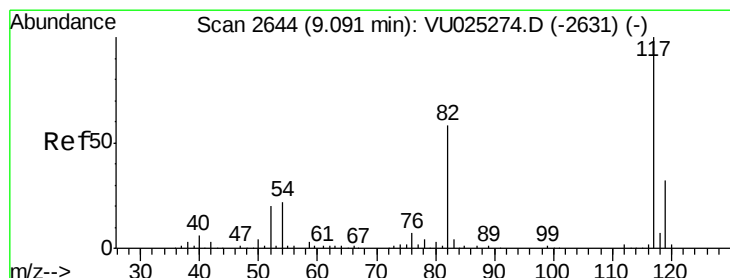
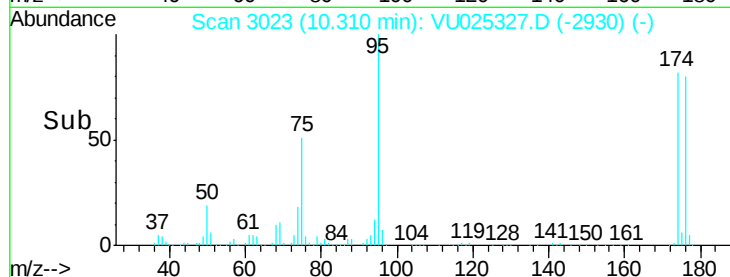
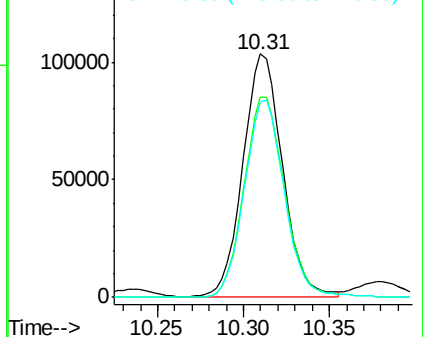
176 82.4 0.0 162.6



Abundance Ion 94.90 (94.60 to 95.60): VU025327.D (-2930) (-)

Ion 173.80 (173.50 to 174.50): VU025327.D (-2930) (-)

Ion 175.80 (175.50 to 176.50): VU025327.D (-2930) (-)



#63

Chlorobenzene-d5

Concen: 50.00 ug/l

RT: 9.09 min Scan# 2645

Delta R.T. 0.00 min

Lab File: VU025327.D

Acq: 11 Jul 2018 20:20

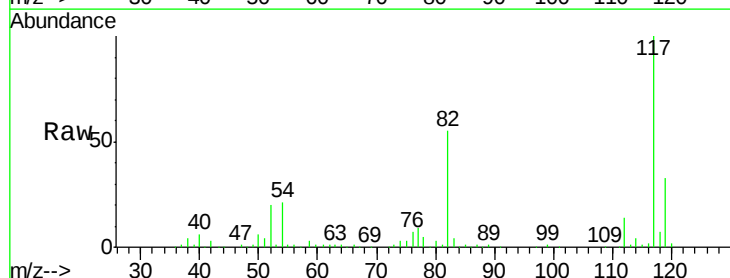
Tgt Ion: 117 Resp: 285188

Ion Ratio Lower Upper

117 100

82 54.8 46.0 69.0

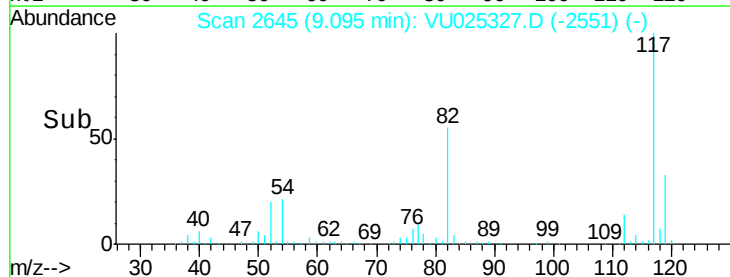
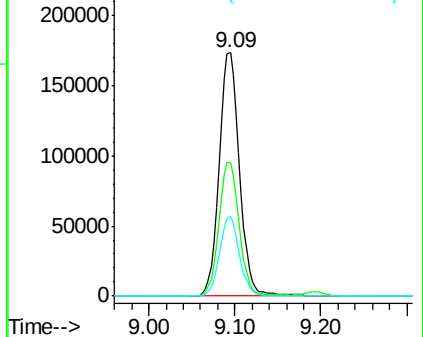
119 32.6 26.0 39.0

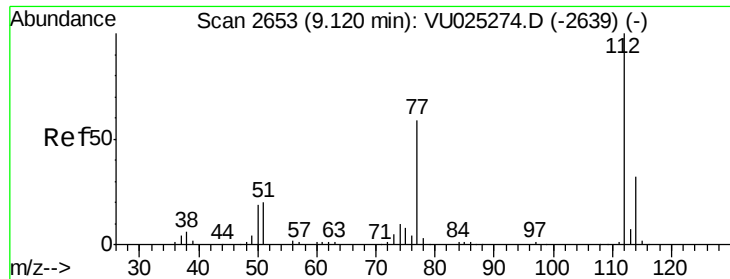


Abundance Ion 116.90 (116.60 to 117.60): VU025327.D (-2551) (-)

Ion 82.00 (81.70 to 82.70): VU025327.D (-2551) (-)

Ion 118.90 (118.60 to 119.60): VU025327.D (-2551) (-)





#65

Chlorobenzene

Concen: 177.49 ug/l

RT: 9.12 min Scan# 2654

Delta R.T. 0.00 min

Lab File: VU025327.D

Acq: 11 Jul 2018 20:20

Instrument :

MSVOA_U

ClientSampleId :

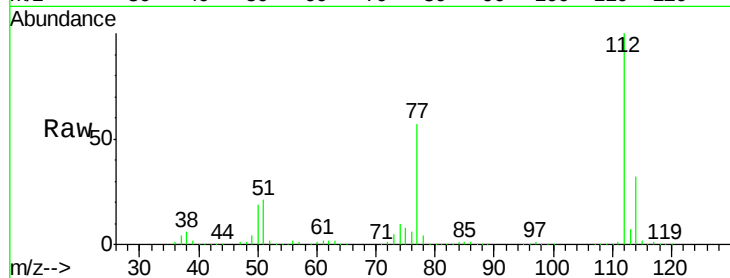
SS037MW036-180709

Tot Ion:112 Resp: 1264515

Ion Ratio Lower Upper

112 100

114 32.3 25.8 38.8



Abundance Ion 111.90 (111.60 to 112.60): V

Ion 113.90 (113.60 to 114.60): V

800000

600000

400000

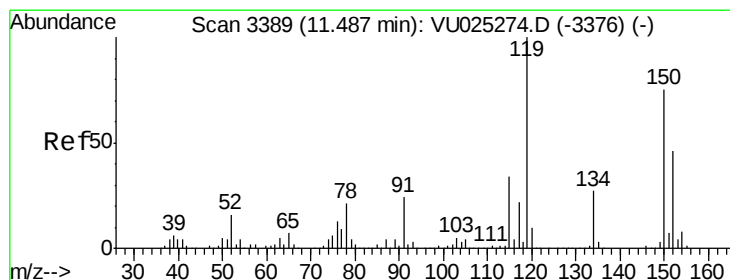
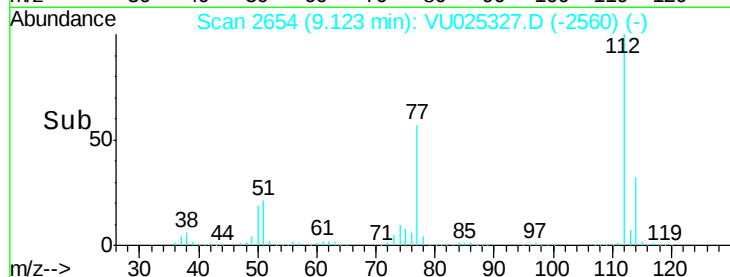
200000

0

9.12

9.10 9.20 9.30

Time-->



#72

1,4-Dichlorobenzene-d4

Concen: 50.00 ug/l

RT: 11.49 min Scan# 3389

Delta R.T. 0.00 min

Lab File: VU025327.D

Acq: 11 Jul 2018 20:20

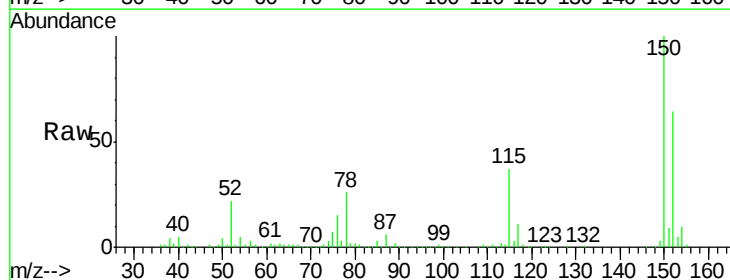
Tgt Ion:152 Resp: 154274

Ion Ratio Lower Upper

152 100

115 58.0 40.1 120.3

150 155.8 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

200000

150000

100000

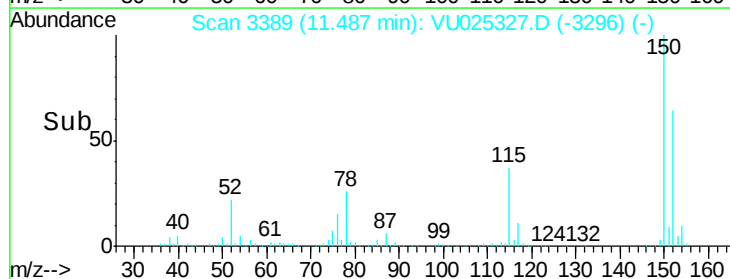
50000

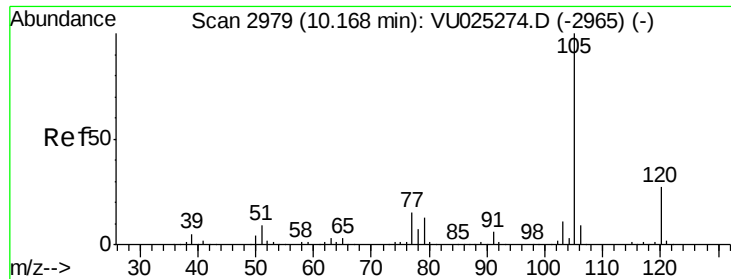
0

11.49

11.40 11.50 11.60

Time-->





#73

Isopropylbenzene

Concen: 0.60 ug/l

RT: 10.17 min Scan# 2980

Delta R.T. 0.00 min

Lab File: VU025327.D

Acq: 11 Jul 2018 20:20

Instrument :

MSVOA_U

ClientSampleId :

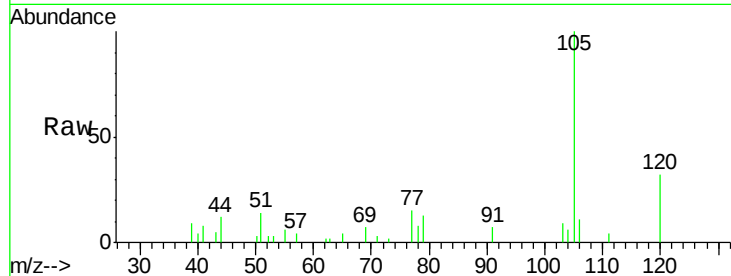
SS037MW036-180709

Tot Ion:105 Resp: 7121

Ion Ratio Lower Upper

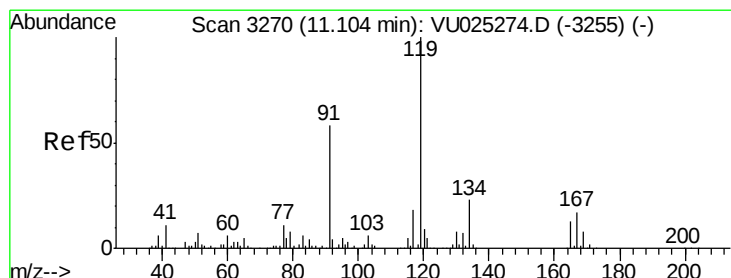
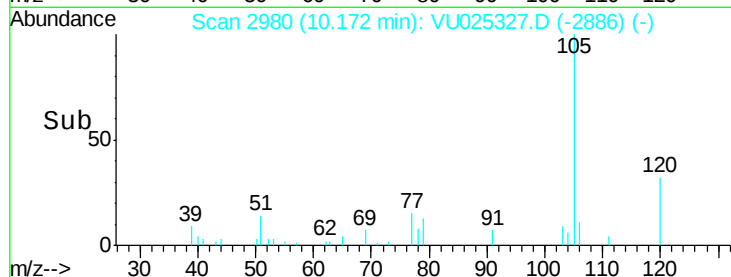
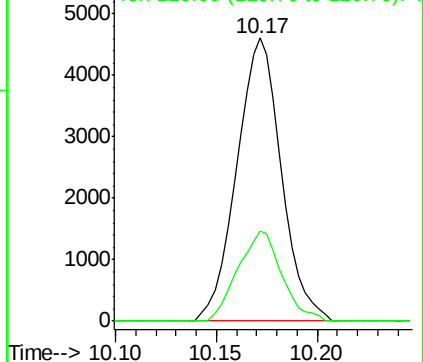
105 100

120 31.4 13.5 40.5



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#83

tert-Butylbenzene

Concen: 4.56 ug/l

RT: 11.10 min Scan# 3270

Delta R.T. 0.00 min

Lab File: VU025327.D

Acq: 11 Jul 2018 20:20

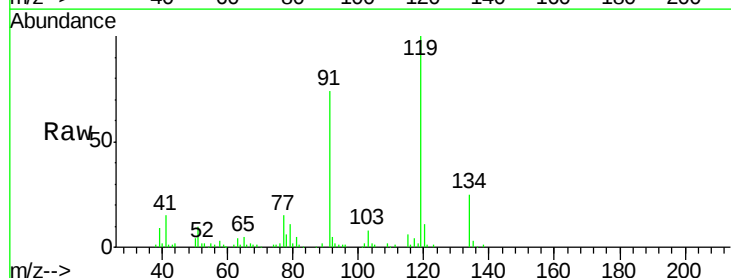
Tgt Ion:119 Resp: 45692

Ion Ratio Lower Upper

119 100

91 69.6 29.7 89.1

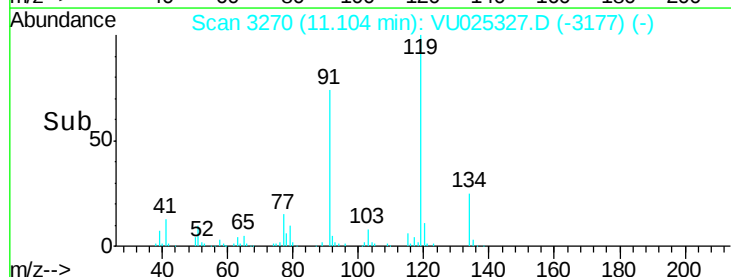
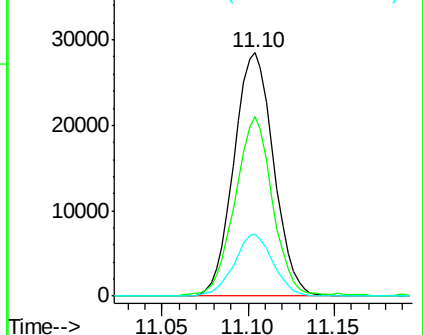
134 24.9 11.5 34.5

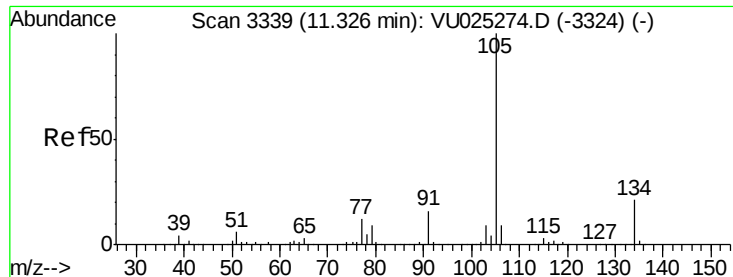


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 91.00 (90.70 to 91.70): VU0

Ion 134.00 (133.70 to 134.70): V

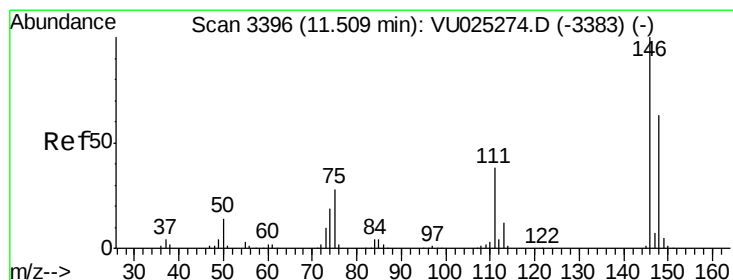
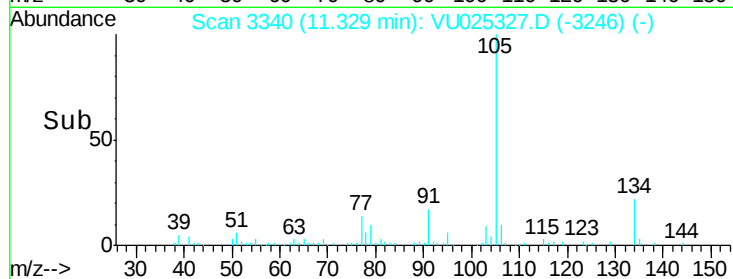
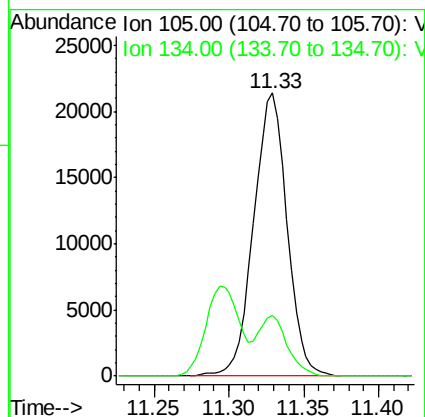
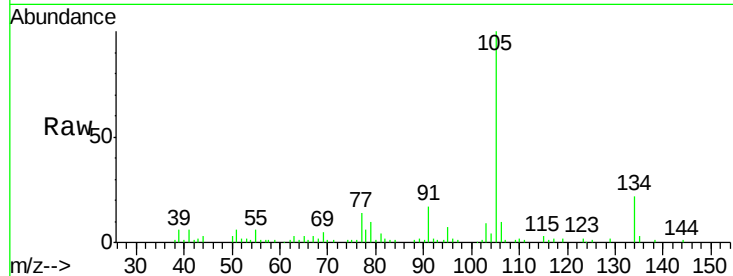




#85
 sec-Butylbenzene
 Concen: 2.82 ug/l
 RT: 11.33 min Scan# 3340
 Delta R.T. 0.00 min
 Lab File: VU025327.D
 Acq: 11 Jul 2018 20:20

Instrument :
 MSVOA_U
 ClientSampleId :
 SS037MW036-180709

Tot Ion:105 Resp: 33244
 Ion Ratio Lower Upper
 105 100
 134 17.8 10.3 30.8



#88
 1,4-Dichlorobenzene
 Concen: 2.16 ug/l
 RT: 11.51 min Scan# 3397
 Delta R.T. 0.00 min
 Lab File: VU025327.D
 Acq: 11 Jul 2018 20:20

Tgt Ion:146 Resp: 3757
 Ion Ratio Lower Upper
 146 100
 111 0.0 19.4 58.1#
 148 85.9 31.7 95.1

