

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD060718\
 Data File : VD057982.D
 Acq On : 7 Jun 2018 20:07
 Operator : JC/SY
 Sample : J3344-05
 Misc : 5.04g/5ml/MSVOA D/SOIL
 ALS Vial : 42 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 HS-YARD-2

Quant Time: Jun 08 08:01:29 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D060618S.M
 Quant Title : SW846 8260
 QLast Update : Thu Jun 07 08:57:33 2018
 Response via : Initial Calibration

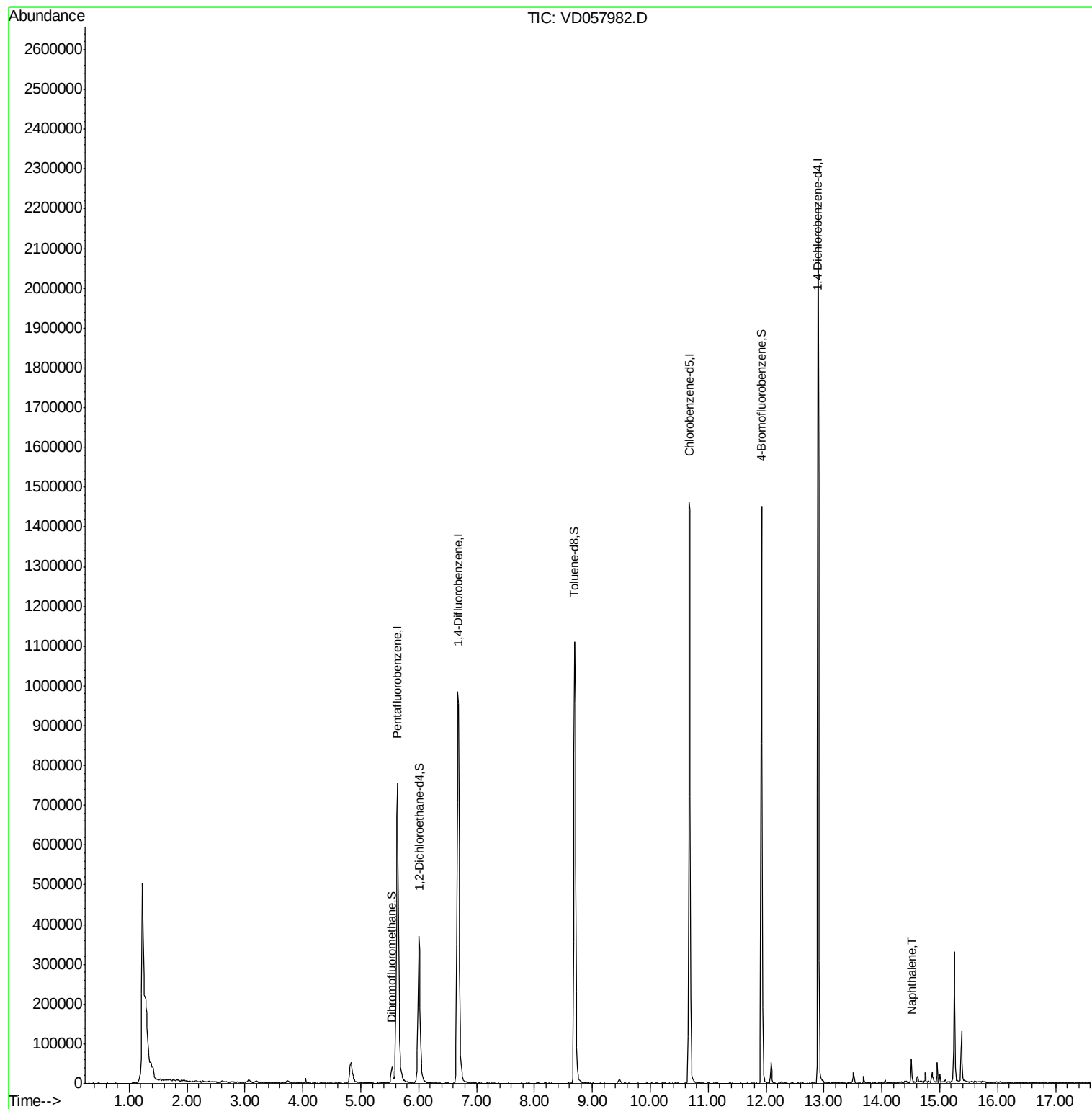
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.63	168	759556	50.00	ug/l	-0.01
34) 1,4-Difluorobenzene	6.69	114	1019084	50.00	ug/l	-0.01
63) Chlorobenzene-d5	10.68	117	823162	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.90	152	462848	50.00	ug/l	-0.01
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	6.01	65	365980	48.20	ug/l	-0.01
Spiked Amount 50.000			Recovery	=	96.40%	
35) Dibromofluoromethane	5.53	113	34576	4.39	ug/l	-0.02
Spiked Amount 50.000			Recovery	=	8.78%	
50) Toluene-d8	8.69	98	881749	47.04	ug/l	-0.01
Spiked Amount 50.000			Recovery	=	94.08%	
62) 4-Bromofluorobenzene	11.92	95	382729	46.80	ug/l	0.00
Spiked Amount 50.000			Recovery	=	93.60%	
Target Compounds						
95) Naphthalene	14.51	128	36269	2.427	ug/l #	Qvalue 94

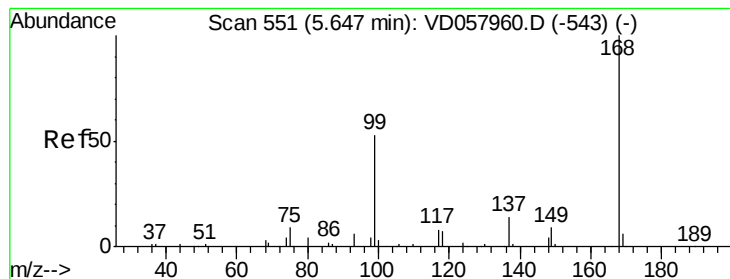
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.63 min Scan# 549

Delta R.T. -0.01 min

Lab File: VD057982.D

Acq: 7 Jun 2018 20:07

Instrument :

MSVOA_D

ClientSampleId :

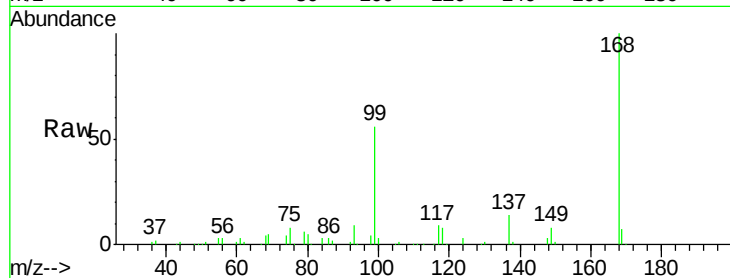
HS-YARD-2

Tot Ion:168 Resp: 759556

Ion Ratio Lower Upper

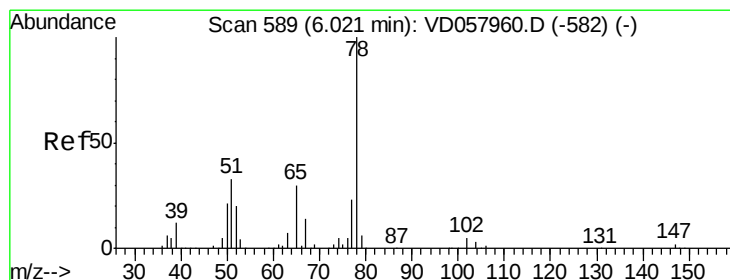
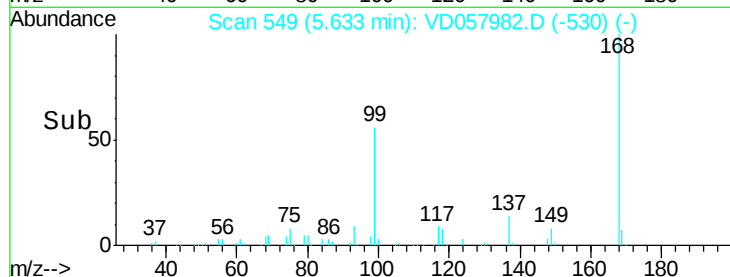
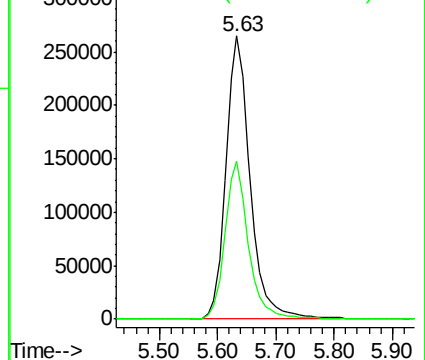
168 100

99 55.9 46.8 70.2



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.95 (98.65 to 99.65): VDC



#33

1,2-Dichloroethane-d4

Concen: N.D. ug/l

RT: 6.01 min Scan# 587

Delta R.T. -0.01 min

Lab File: VD057982.D

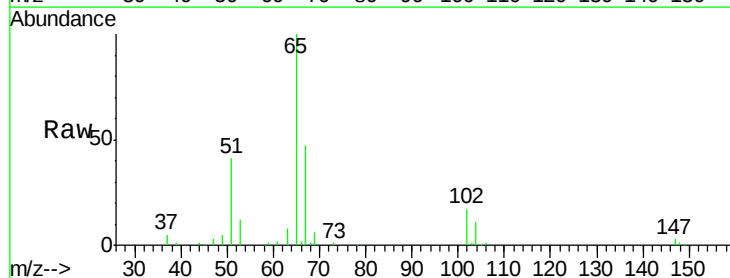
Acq: 7 Jun 2018 20:07

Tgt Ion: 65 Resp: 365980

Ion Ratio Lower Upper

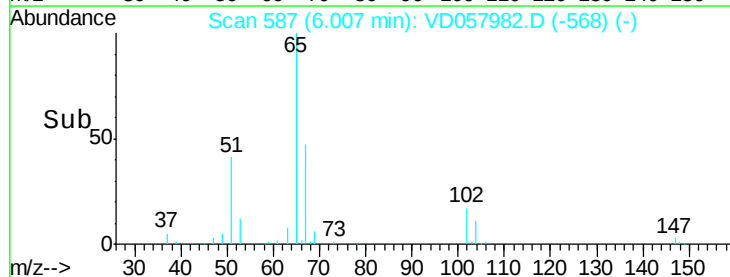
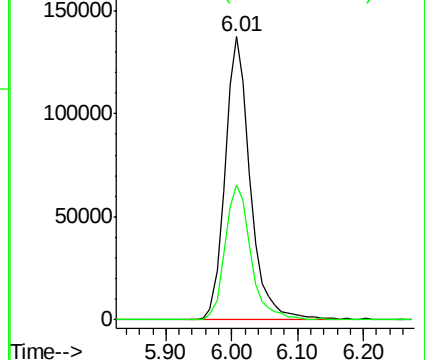
65 100

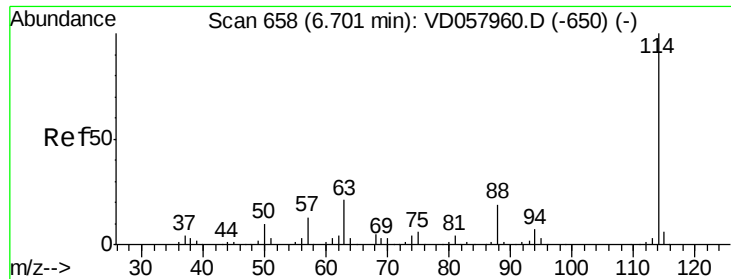
67 47.4 0.0 94.0



Abundance Ion 64.95 (64.65 to 65.65): VDC

Ion 66.90 (66.60 to 67.60): VDC





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.69 min Scan# 656

Delta R.T. -0.01 min

Lab File: VD057982.D

Acq: 7 Jun 2018 20:07

Instrument :

MSVOA_D

ClientSampleId :

HS-YARD-2

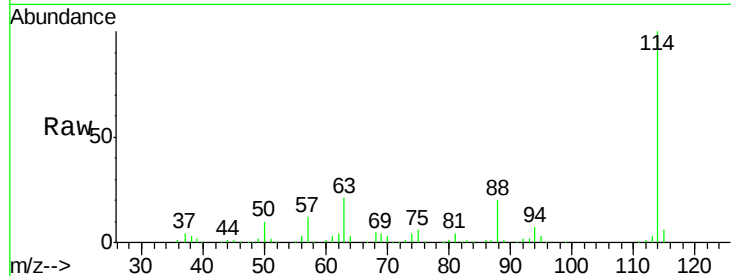
Tot Ion:114 Resp: 1019084

Ion Ratio Lower Upper

114 100

63 21.5 0.0 42.8

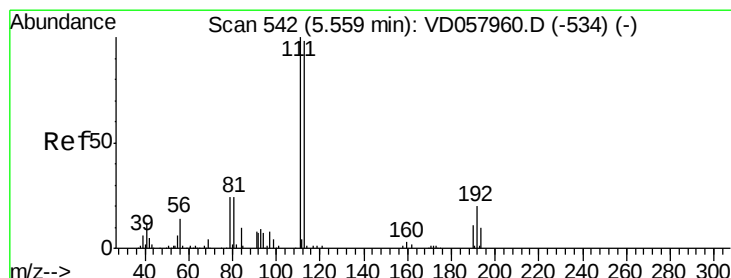
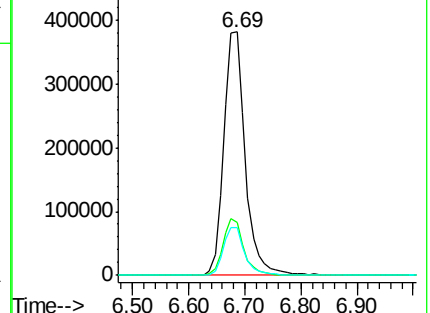
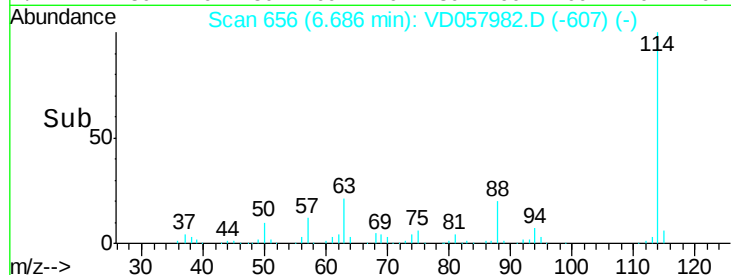
88 19.6 0.0 37.8



Abundance Ion 114.00 (113.70 to 114.70): V

Ion 62.95 (62.65 to 63.65): V

Ion 87.90 (87.60 to 88.60): V



#35

Dibromofluoromethane

Concen: 50.000 ug/l

RT: 5.53 min Scan# 539

Delta R.T. -0.02 min

Lab File: VD057982.D

Acq: 7 Jun 2018 20:07

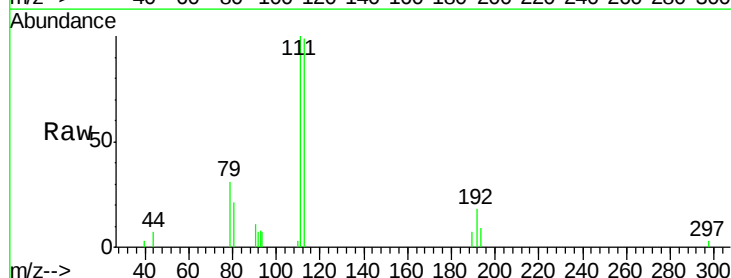
Tgt Ion:113 Resp: 34576

Ion Ratio Lower Upper

113 100

111 101.3 81.5 122.3

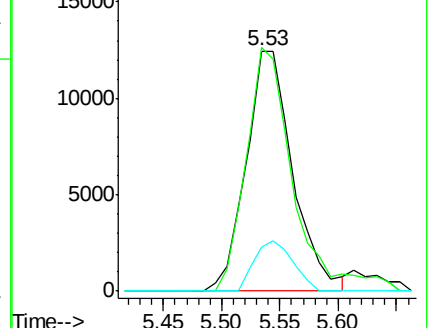
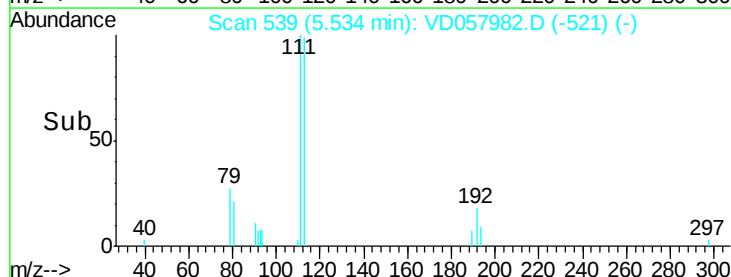
192 18.3 16.4 24.6

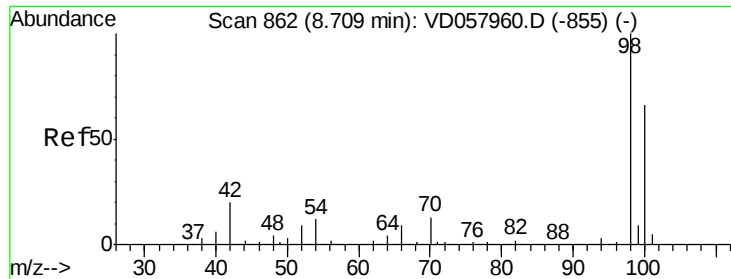


Abundance Ion 112.90 (112.60 to 113.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 191.80 (191.50 to 192.50): V





#50

Toluene-d8

Concen: N.D. ug/l

RT: 8.69 min Scan# 860

Delta R.T. -0.01 min

Lab File: VD057982.D

Acq: 7 Jun 2018 20:07

Instrument :

MSVOA_D

ClientSampleId :

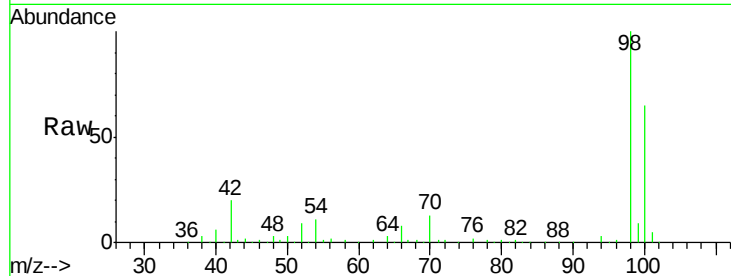
HS-YARD-2

Tot Ion: 98 Resp: 881749

Ion Ratio Lower Upper

98 100

100 64.9 53.4 80.0



Abundance Ion 98.05 (97.75 to 98.75): VD057960.D (-855) (-)

Ion 100.05 (99.75 to 100.75): VD057960.D (-855) (-)

8.69

400000

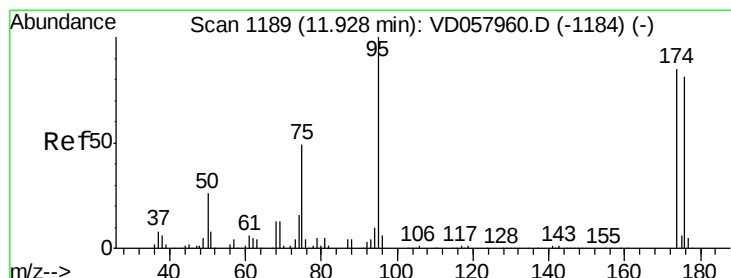
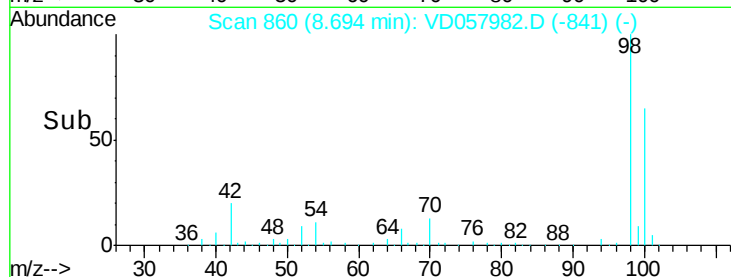
300000

200000

100000

0

Time-->



#62

4-Bromofluorobenzene

Concen: N.D. ug/l

RT: 11.92 min Scan# 1188

Delta R.T. -0.00 min

Lab File: VD057982.D

Acq: 7 Jun 2018 20:07

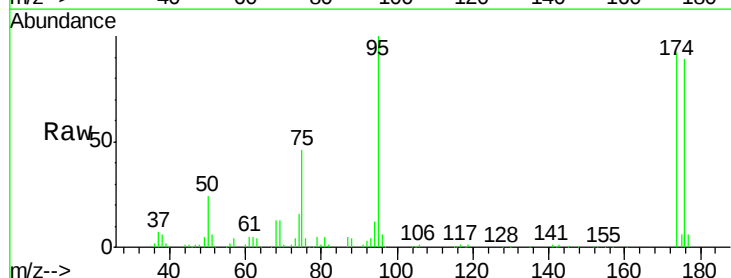
Tgt Ion: 95 Resp: 382729

Ion Ratio Lower Upper

95 100

174 92.1 0.0 169.4

176 88.9 0.0 162.6



Abundance Ion 95.00 (94.70 to 95.70): VD057960.D (-1184) (-)

Ion 173.90 (173.60 to 174.60): VD057960.D (-1184) (-)

Ion 175.90 (175.60 to 176.60): VD057960.D (-1184) (-)

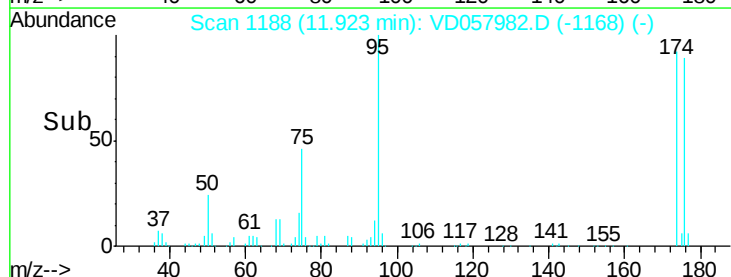
300000

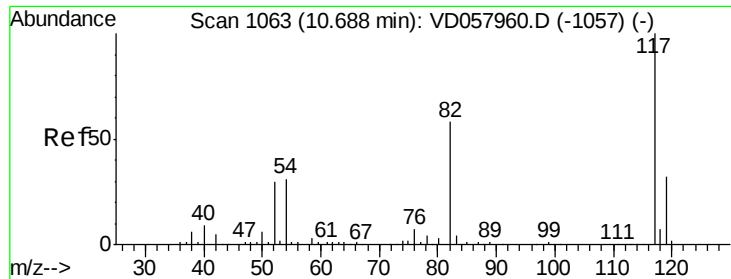
200000

100000

0

Time-->

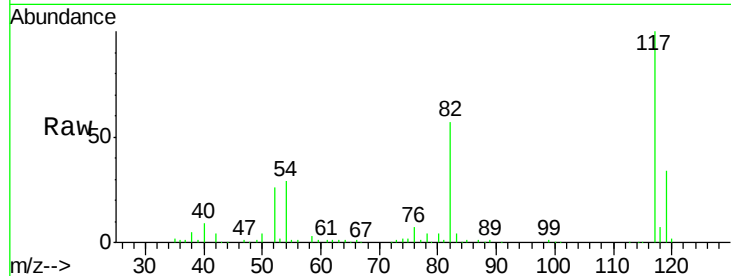




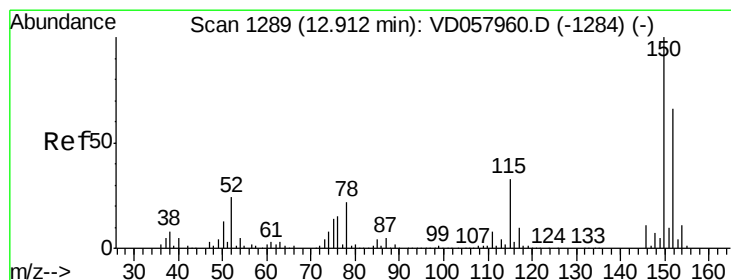
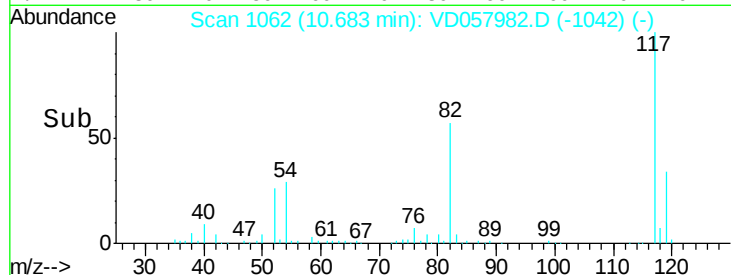
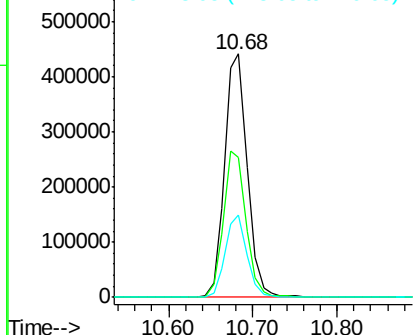
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.68 min Scan# 1062
Delta R.T. -0.00 min
Lab File: VD057982.D
Acq: 7 Jun 2018 20:07

Instrument :
MSVOA_D
ClientSampleId :
HS-YARD-2

Tot Ion:117 Resp: 823162
Ion Ratio Lower Upper
117 100
82 57.2 46.8 70.2
119 34.0 25.8 38.6

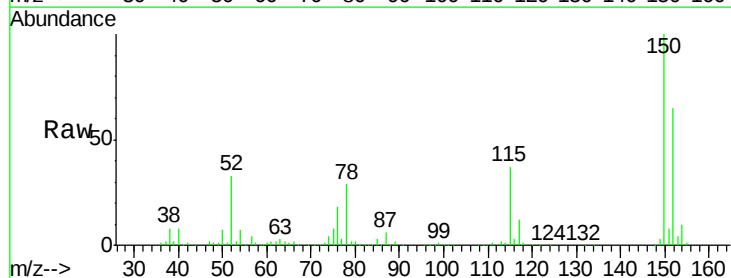


Abundance Ion 116.95 (116.65 to 117.65): V
Ion 82.05 (81.75 to 82.75): V
Ion 118.95 (118.65 to 119.65): V

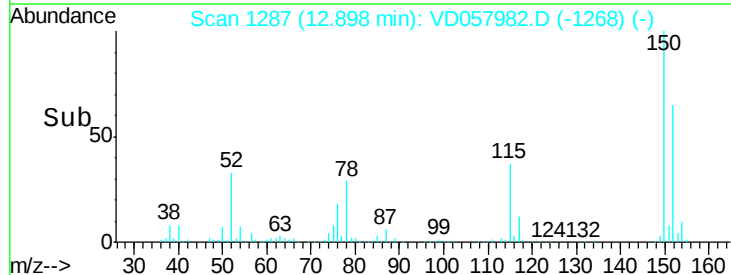
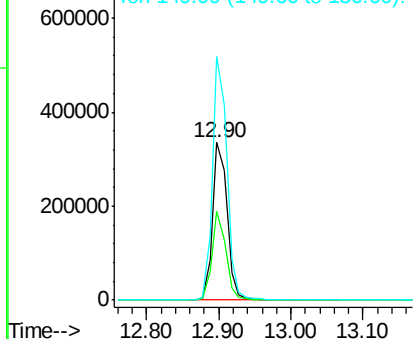


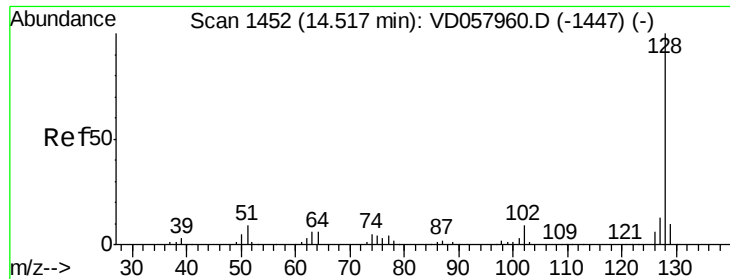
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.90 min Scan# 1287
Delta R.T. -0.01 min
Lab File: VD057982.D
Acq: 7 Jun 2018 20:07

Tgt Ion:152 Resp: 462848
Ion Ratio Lower Upper
152 100
115 56.8 25.6 76.6
150 154.8 0.0 306.8



Abundance Ion 151.90 (151.60 to 152.60): V
Ion 115.00 (114.70 to 115.70): V
Ion 149.90 (149.60 to 150.60): V





#95

Naphthalene

Concen: 2.427 ug/l

RT: 14.51 min Scan# 1451

Delta R.T. -0.00 min

Lab File: VD057982.D

Acq: 7 Jun 2018 20:07

Instrument :

MSVOA_D

ClientSampleId :

HS-YARD-2

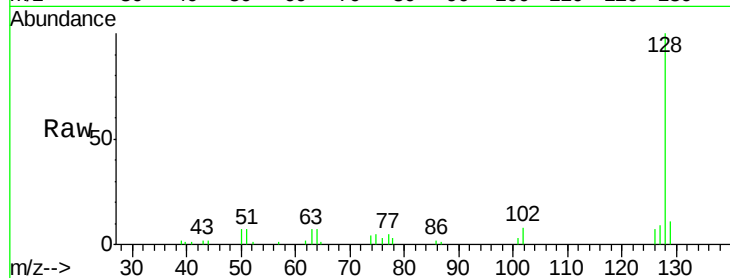
Tot Ion:128 Resp: 36269

Ion Ratio Lower Upper

128 100

127 9.1 10.2 15.2#

129 10.8 8.2 12.2



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

