

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD062018\
 Data File : VD058214.D
 Acq On : 20 Jun 2018 17:13
 Operator : VA/AP
 Sample : J3582-01
 Misc : 5.43g/5ml/MSVOA D/SOIL
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 SSP-A-1-GRAB

Quant Time: Jun 21 03:58:27 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D061918S.M
 Quant Title : SW846 8260
 QLast Update : Wed Jun 20 05:52:56 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.64	168	648449	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.70	114	820942	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.69	117	632008	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.92	152	257835	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	6.03	65	361288	55.16	ug/l	0.01
Spiked Amount	50.000		Recovery	=	110.32%	
35) Dibromofluoromethane	5.55	113	377529	56.50	ug/l	0.00
Spiked Amount	50.000		Recovery	=	113.00%	
50) Toluene-d8	8.71	98	765816	47.37	ug/l	0.00
Spiked Amount	50.000		Recovery	=	94.74%	
62) 4-Bromofluorobenzene	11.94	95	287923	43.60	ug/l	0.01
Spiked Amount	50.000		Recovery	=	87.20%	

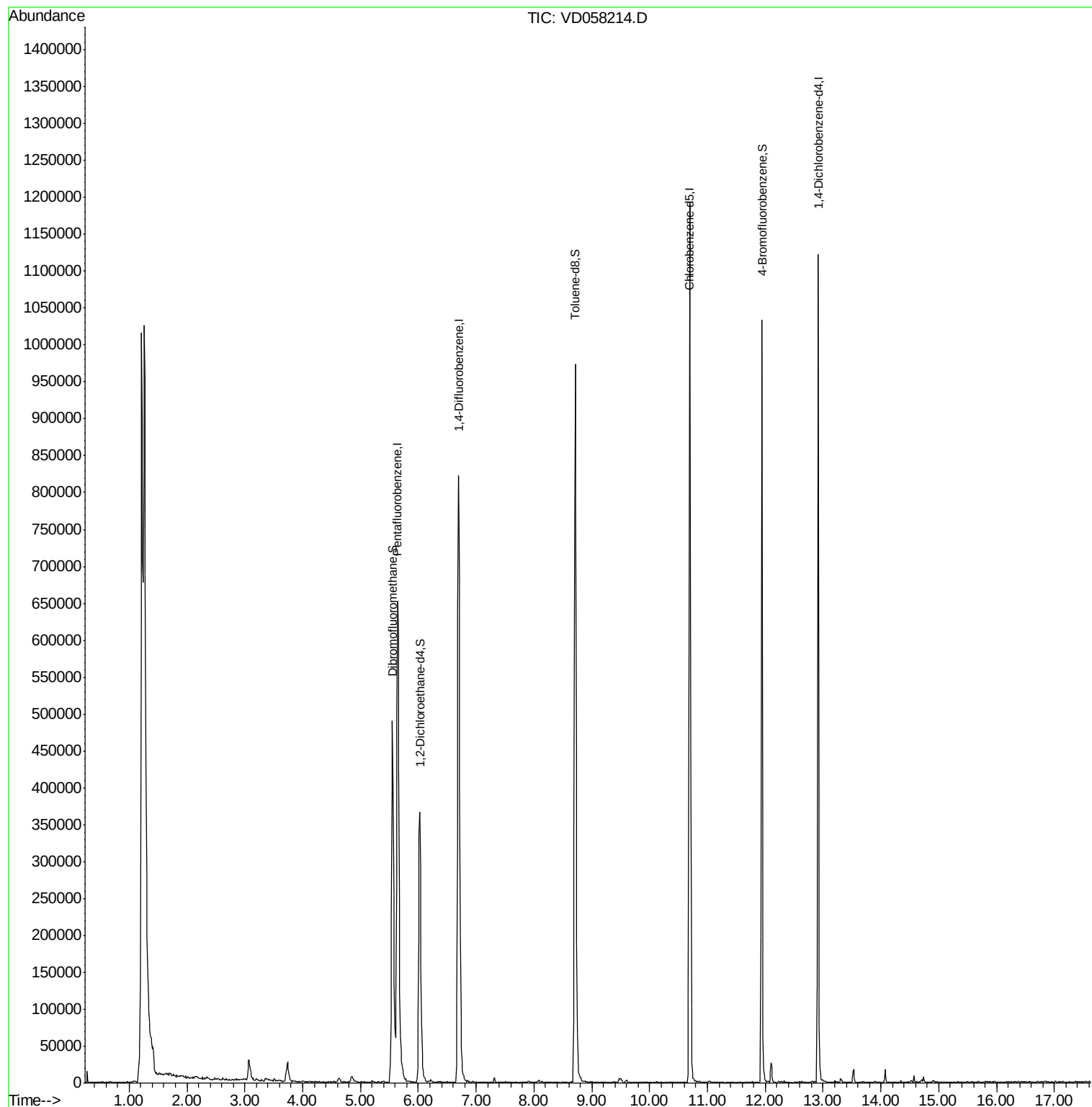
Target Compounds	Qvalue

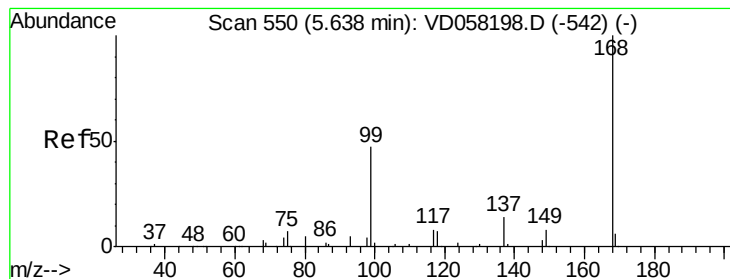
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 5.64 min Scan# 550

Delta R.T. 0.00 min

Lab File: VD058214.D

Acq: 20 Jun 2018 17:13

Instrument :

MSVOA_D

ClientSampleId :

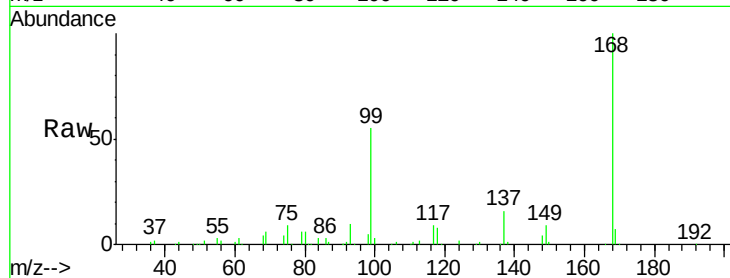
SSP-A-1-GRAB

Tot Ion:168 Resp: 648449

Ion Ratio Lower Upper

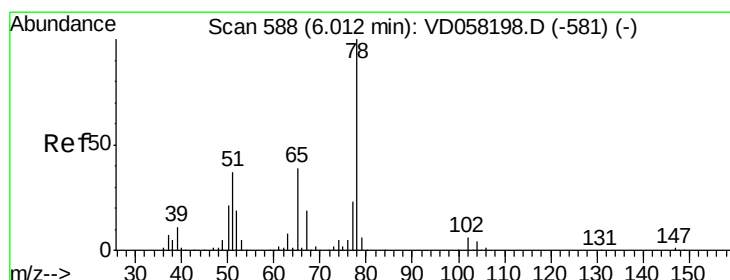
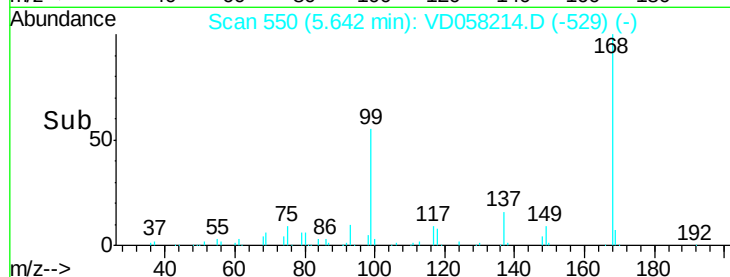
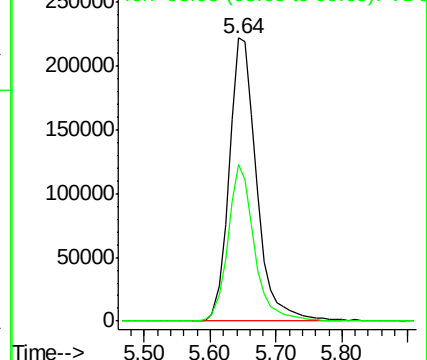
168 100

99 55.3 41.1 61.7



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: Below ug/l

RT: 6.03 min Scan# 589

Delta R.T. 0.01 min

Lab File: VD058214.D

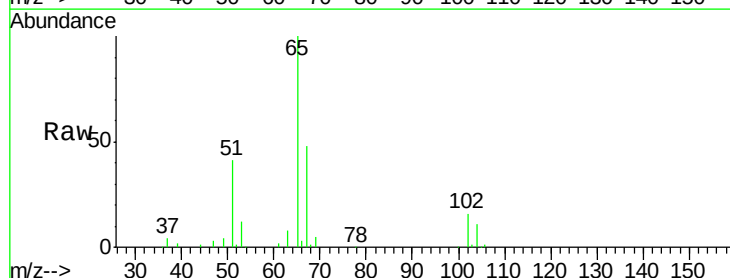
Acq: 20 Jun 2018 17:13

Tgt Ion: 65 Resp: 361288

Ion Ratio Lower Upper

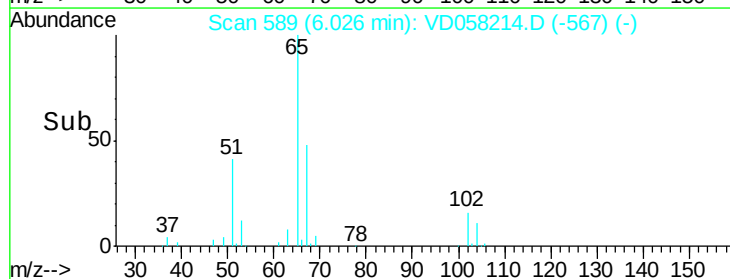
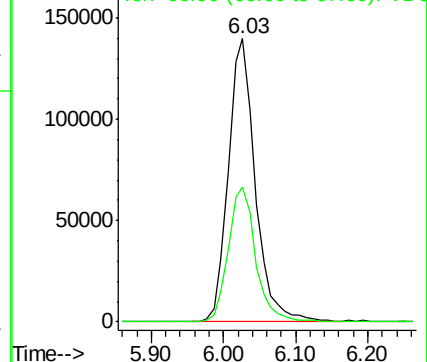
65 100

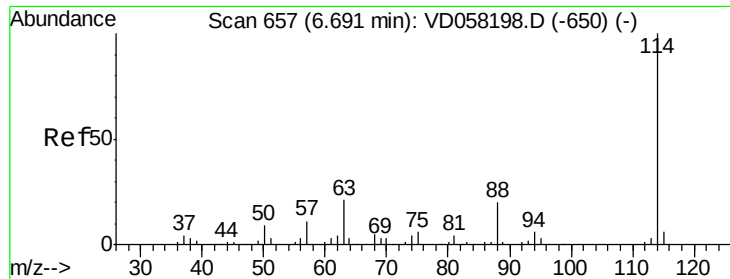
67 47.8 0.0 97.8



Abundance Ion 64.95 (64.65 to 65.65): VDC

Ion 66.90 (66.60 to 67.60): VDC

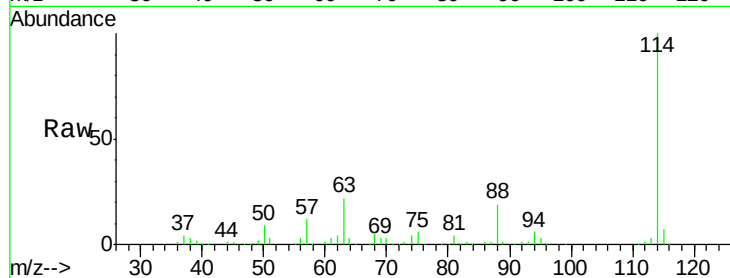




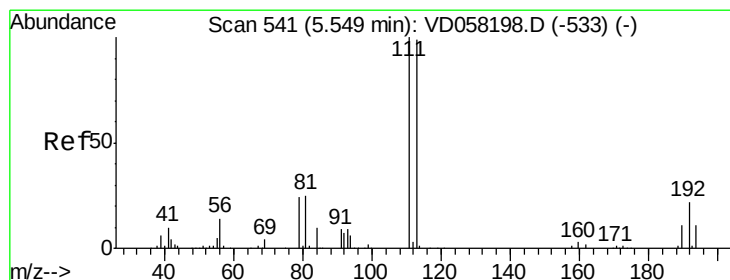
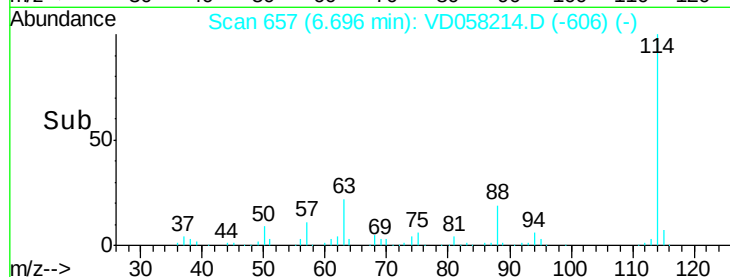
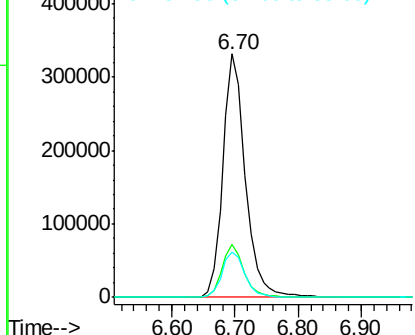
#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 6.70 min Scan# 657
 Delta R.T. 0.00 min
 Lab File: VD058214.D
 Acq: 20 Jun 2018 17:13

Instrument :
 MSVOA_D
 ClientSampleId :
 SSP-A-1-GRAB

Tot Ion:114 Resp: 820942
 Ion Ratio Lower Upper
 114 100
 63 21.6 0.0 42.6
 88 18.8 0.0 40.6

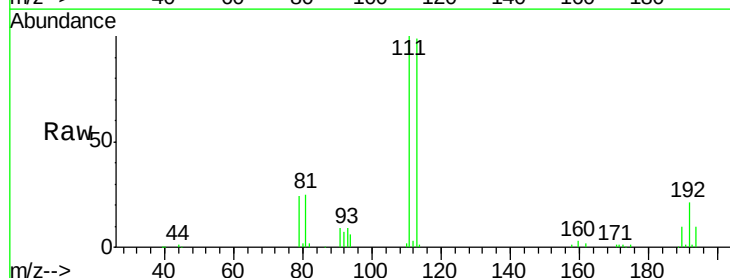


Abundance Ion 114.00 (113.70 to 114.70): V
 Ion 62.95 (62.65 to 63.65): VDC
 Ion 87.90 (87.60 to 88.60): VDC

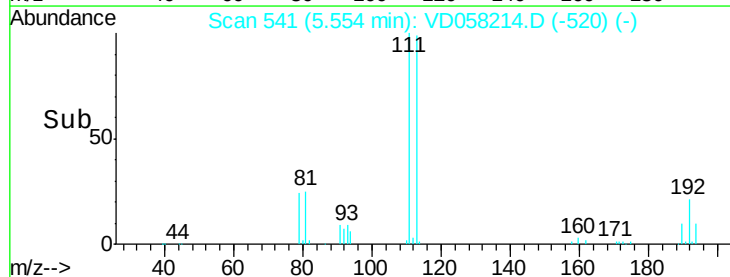
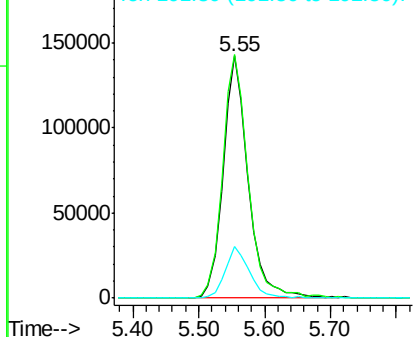


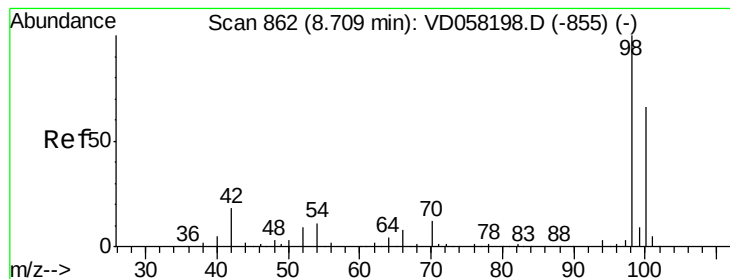
#35
 Dibromofluoromethane
 Concen: 50.00 ug/l
 RT: 5.55 min Scan# 541
 Delta R.T. 0.00 min
 Lab File: VD058214.D
 Acq: 20 Jun 2018 17:13

Tgt Ion:113 Resp: 377529
 Ion Ratio Lower Upper
 113 100
 111 100.7 80.6 121.0
 192 21.2 17.8 26.6



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: 8.71 min Scan# 862

Delta R.T. 0.00 min

Lab File: VD058214.D

Acq: 20 Jun 2018 17:13

Instrument :

MSVOA_D

ClientSampleId :

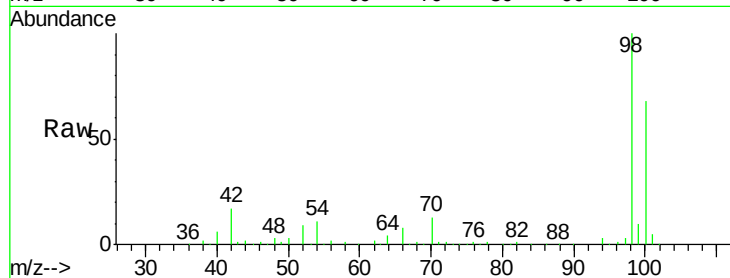
SSP-A-1-GRAB

Tot Ion: 98 Resp: 765816

Ion Ratio Lower Upper

98 100

100 67.6 53.6 80.4



Abundance Ion 98.05 (97.75 to 98.75): VD058198.D (-855) (-)

Ion 100.05 (99.75 to 100.75): VD058198.D (-855) (-)

8.71

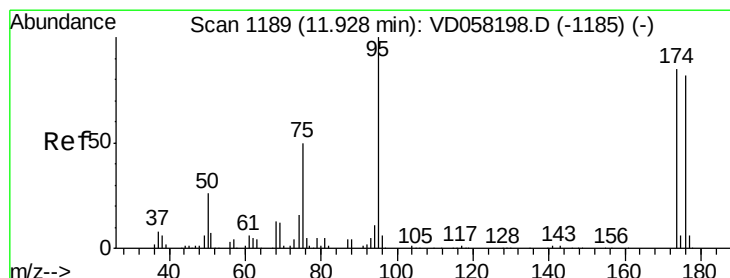
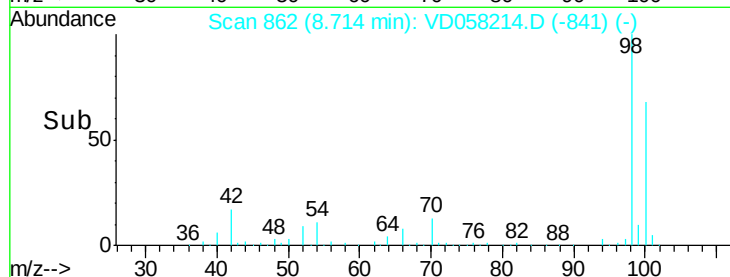
300000

200000

100000

0

Time-->



#62

4-Bromofluorobenzene

Concen: N.D. ug/l

RT: 11.94 min Scan# 1190

Delta R.T. 0.01 min

Lab File: VD058214.D

Acq: 20 Jun 2018 17:13

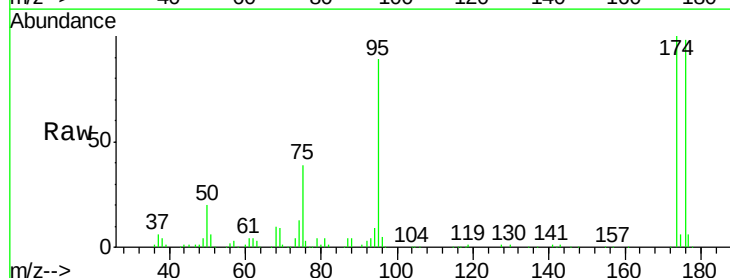
Tgt Ion: 95 Resp: 287923

Ion Ratio Lower Upper

95 100

174 112.3 0.0 170.2

176 110.5 0.0 164.6



Abundance Ion 95.00 (94.70 to 95.70): VD058198.D (-1185) (-)

Ion 173.90 (173.60 to 174.60): VD058198.D (-1185) (-)

Ion 175.90 (175.60 to 176.60): VD058198.D (-1185) (-)

250000

200000

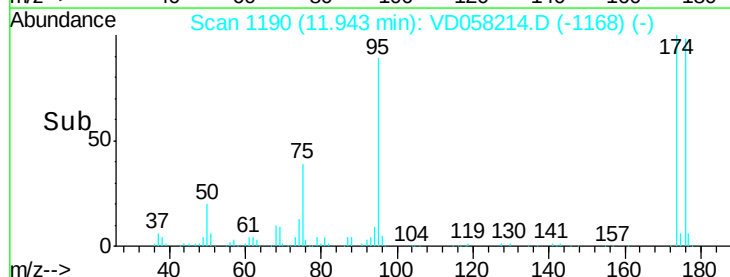
150000

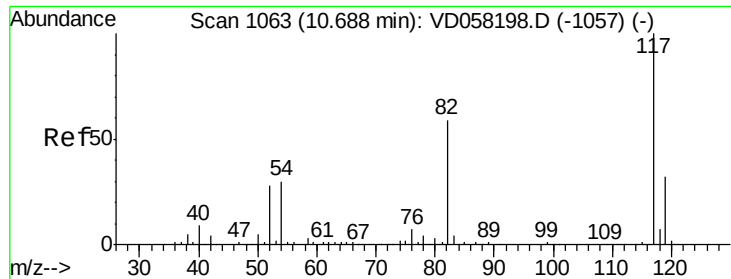
100000

50000

0

Time-->

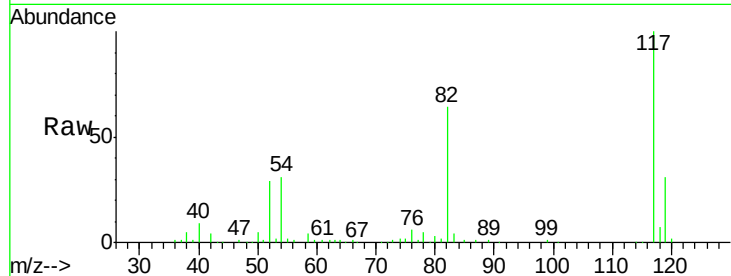




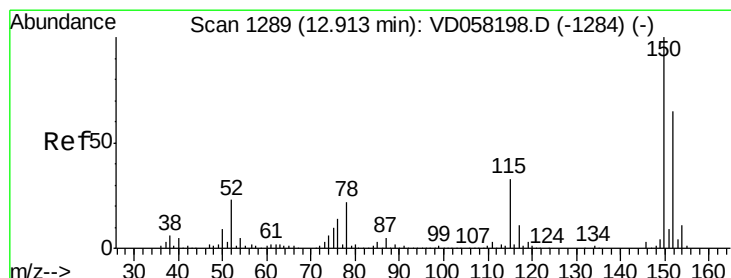
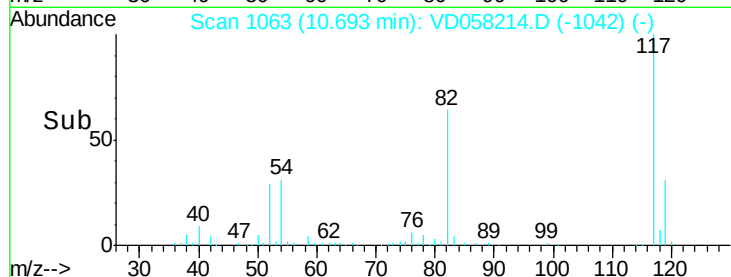
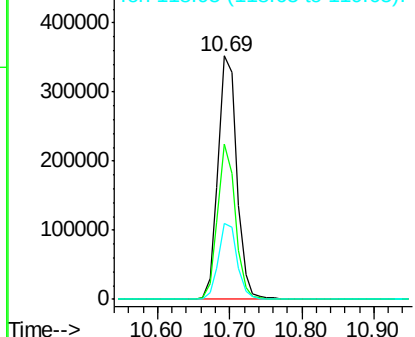
#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 10.69 min Scan# 1063
Delta R.T. 0.00 min
Lab File: VD058214.D
Acq: 20 Jun 2018 17:13

Instrument :
MSVOA_D
ClientSampleId :
SSP-A-1-GRAB

Tot Ion:117 Resp: 632008
Ion Ratio Lower Upper
117 100
82 63.6 47.0 70.6
119 31.4 25.3 37.9

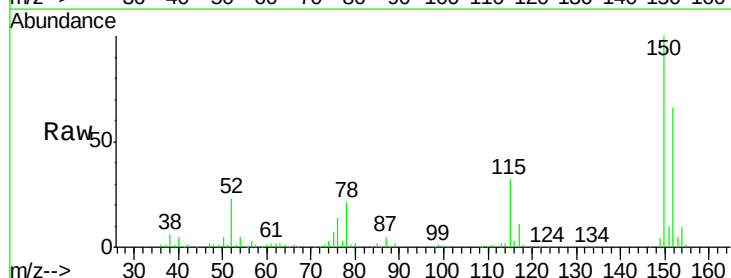


Abundance Ion 116.95 (116.65 to 117.65): V
Ion 82.05 (81.75 to 82.75): V
Ion 118.95 (118.65 to 119.65): V



#72
1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 12.92 min Scan# 1289
Delta R.T. 0.00 min
Lab File: VD058214.D
Acq: 20 Jun 2018 17:13

Tgt Ion:152 Resp: 257835
Ion Ratio Lower Upper
152 100
115 49.0 25.1 75.3
150 151.0 0.0 308.8



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

