

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD082018\
 Data File : VD059842.D
 Acq On : 20 Aug 2018 20:36
 Operator : JC/SY
 Sample : J4511-02
 Misc : 5.10g/5ml/MSVOA D/SOIL
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 RA-081418-FL-024

Quant Time: Aug 21 05:54:26 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D082018S.M
 Quant Title : SW846 8260
 QLast Update : Tue Aug 21 04:40:12 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.59	168	567395	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.65	114	930314	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.65	117	804390	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.89	152	388889	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.97	65	366423	80.69	ug/l	0.00
Spiked Amount	50.000		Recovery	=	161.38%	
35) Dibromofluoromethane	5.50	113	413855	60.14	ug/l	0.00
Spiked Amount	50.000		Recovery	=	120.28%	
50) Toluene-d8	8.67	98	1003831	54.10	ug/l	0.00
Spiked Amount	50.000		Recovery	=	108.20%	
62) 4-Bromofluorobenzene	11.90	95	400478	56.25	ug/l	0.00
Spiked Amount	50.000		Recovery	=	112.50%	

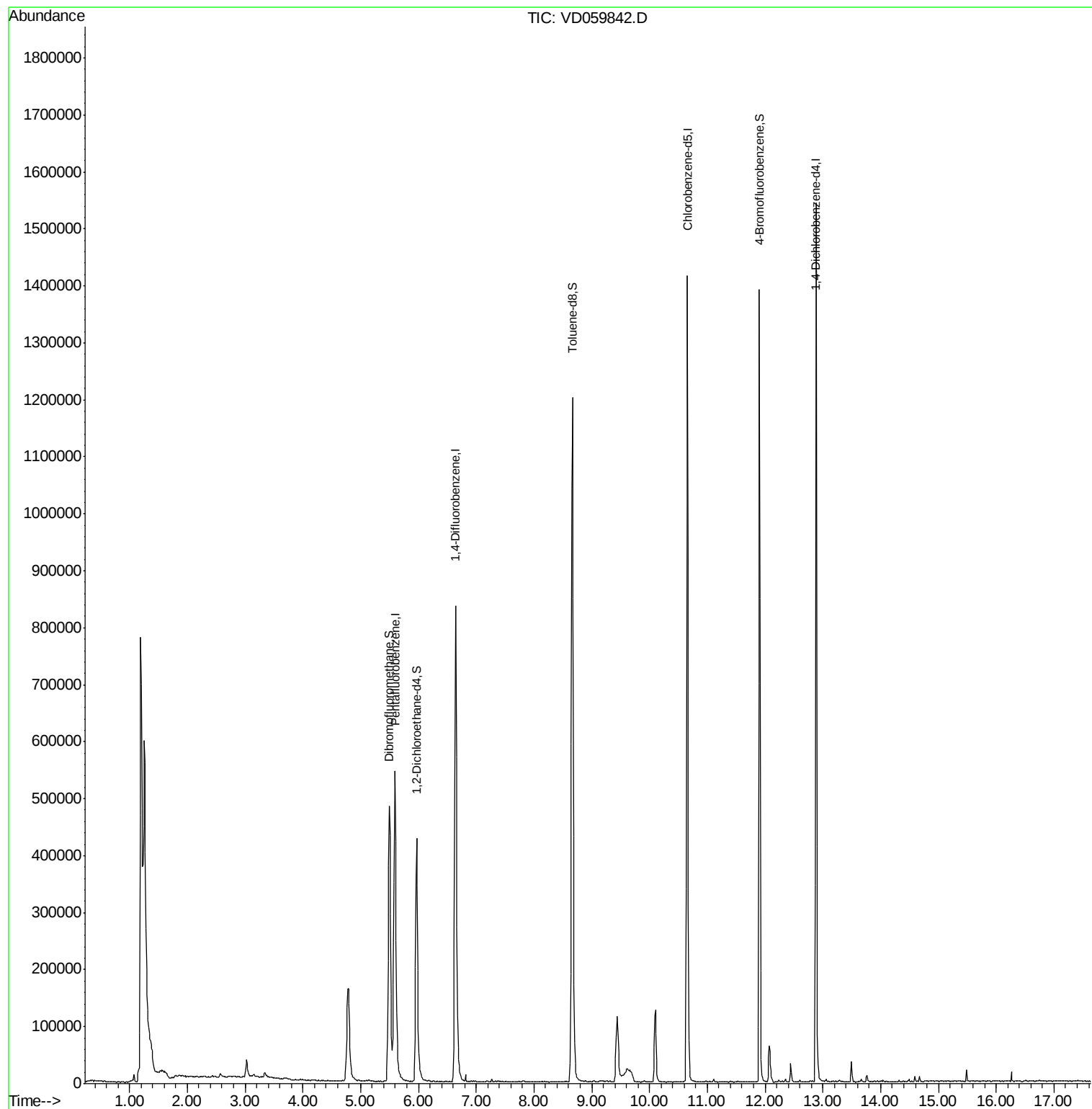
Target Compounds	Qvalue

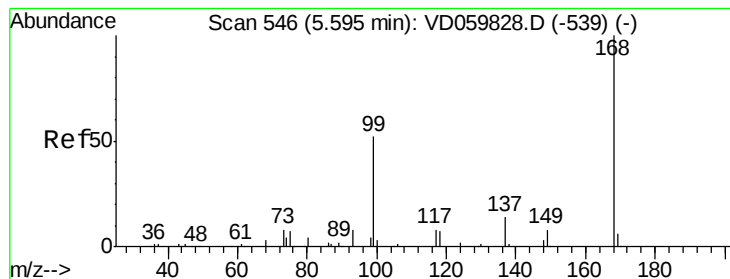
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
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#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 5.59 min Scan# 546

Delta R.T. 0.00 min

Lab File: VD059842.D

Acq: 20 Aug 2018 20:36

Instrument :

MSVOA_D

ClientSampleId :

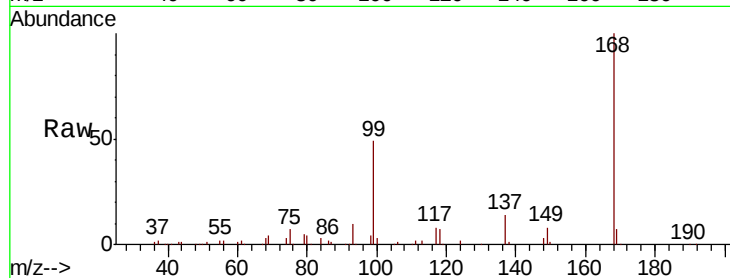
RA-081418-FL-024

Tot Ion:168 Resp: 567395

Ion Ratio Lower Upper

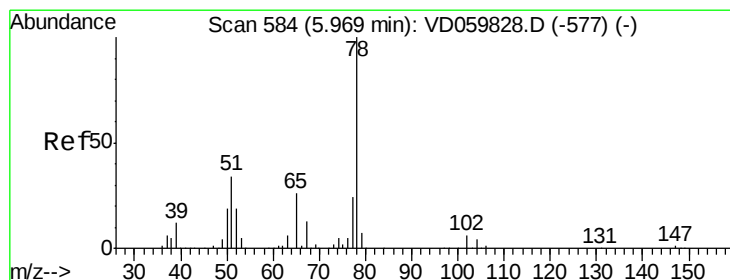
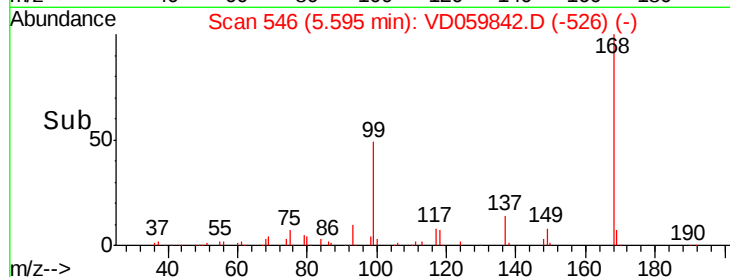
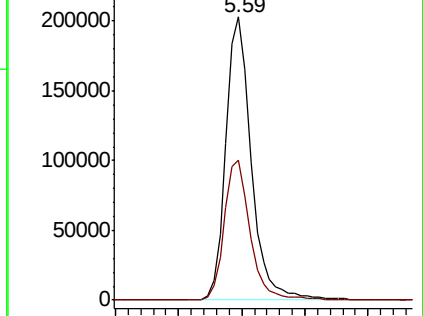
168 100

99 49.3 43.6 65.4



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: 5.97 min Scan# 584

Delta R.T. 0.00 min

Lab File: VD059842.D

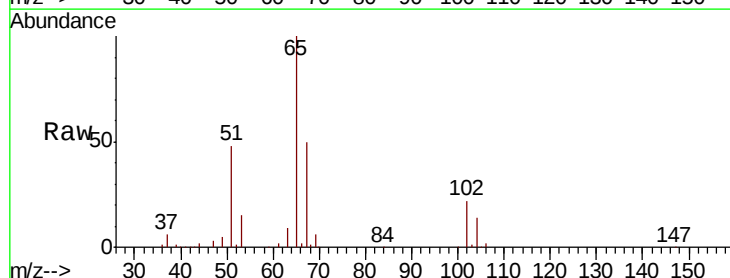
Acq: 20 Aug 2018 20:36

Tgt Ion: 65 Resp: 366423

Ion Ratio Lower Upper

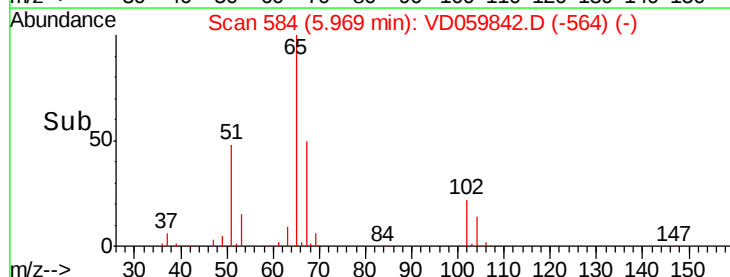
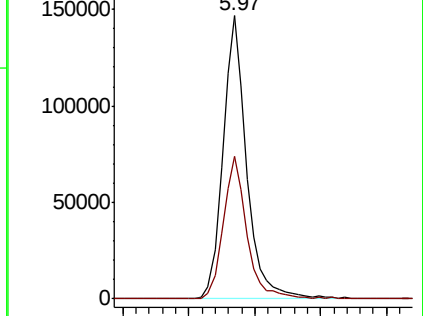
65 100

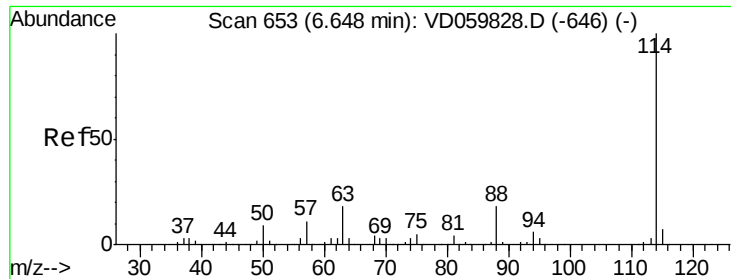
67 50.4 0.0 102.4



Abundance Ion 64.95 (64.65 to 65.65): VDC

Ion 66.90 (66.60 to 67.60): VDC

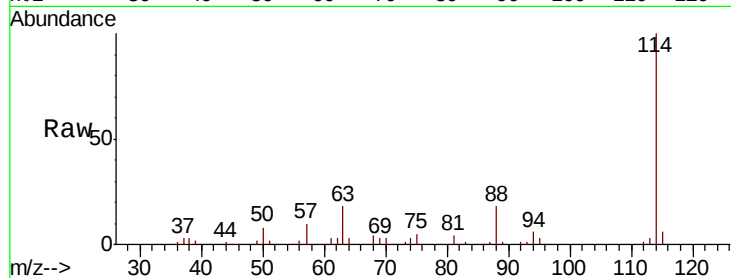




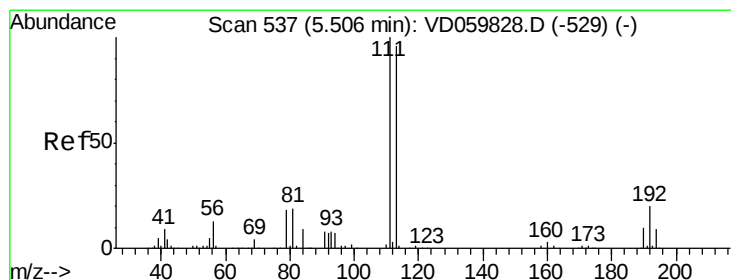
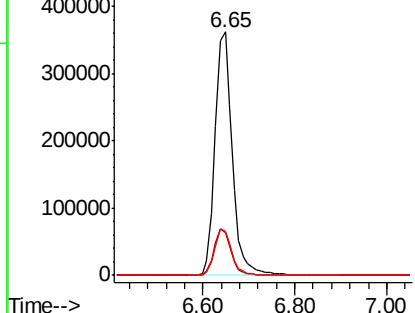
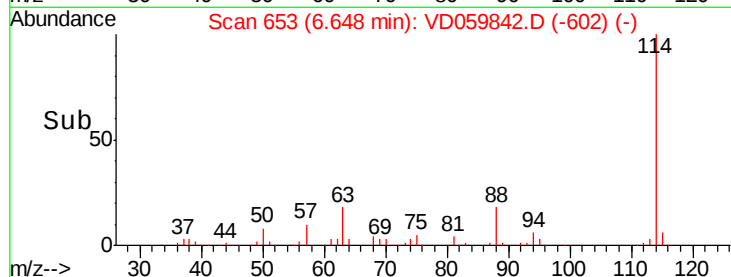
#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 6.65 min Scan# 653
 Delta R.T. 0.00 min
 Lab File: VD059842.D
 Acq: 20 Aug 2018 20:36

Instrument :
 MSVOA_D
 ClientSampleId :
 RA-081418-FL-024

Tot Ion:114 Resp: 930314
 Ion Ratio Lower Upper
 114 100
 63 17.7 0.0 37.0
 88 18.3 0.0 37.0

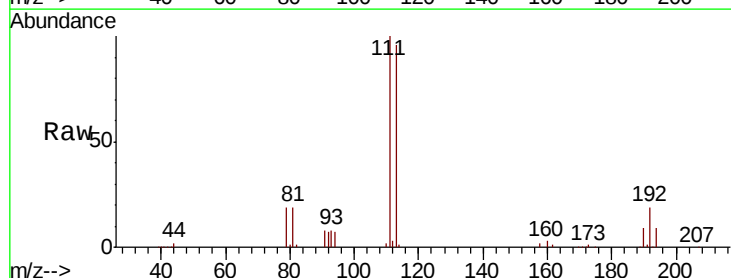


Abundance Ion 114.00 (113.70 to 114.70): V
 Ion 62.95 (62.65 to 63.65): V
 Ion 87.90 (87.60 to 88.60): V

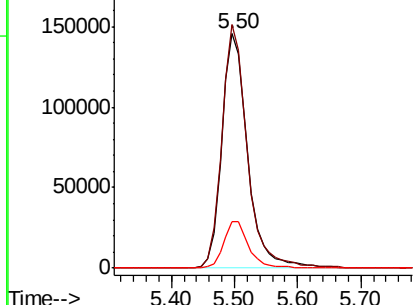
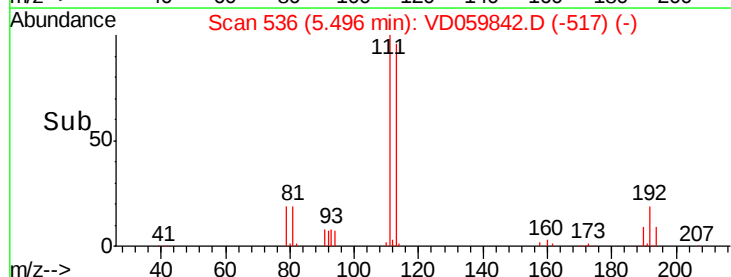


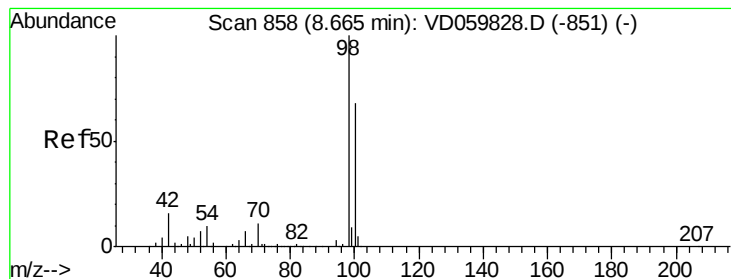
#35
 Dibromofluoromethane
 Concen: 50.00 ug/l
 RT: 5.50 min Scan# 536
 Delta R.T. -0.01 min
 Lab File: VD059842.D
 Acq: 20 Aug 2018 20:36

Tgt Ion:113 Resp: 413855
 Ion Ratio Lower Upper
 113 100
 111 103.9 83.3 124.9
 192 19.6 16.8 25.2



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: 8.67 min Scan# 858

Delta R.T. 0.00 min

Lab File: VD059842.D

Acq: 20 Aug 2018 20:36

Instrument :

MSVOA_D

ClientSampleId :

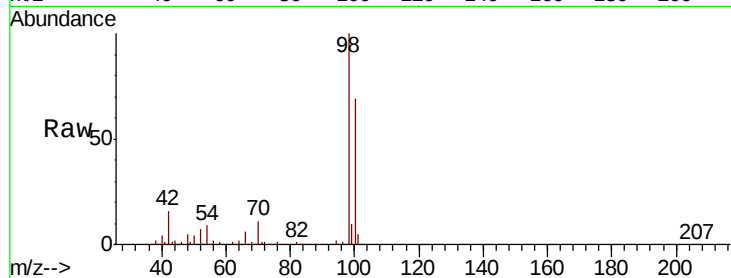
RA-081418-FL-024

Tot Ion: 98 Resp: 1003831

Ion Ratio Lower Upper

98 100

100 68.6 55.0 82.4



Abundance Ion 98.05 (97.75 to 98.75): VD059828.D (-851) (-)

Ion 100.05 (99.75 to 100.75): VD059828.D (-851) (-)

8.67

400000

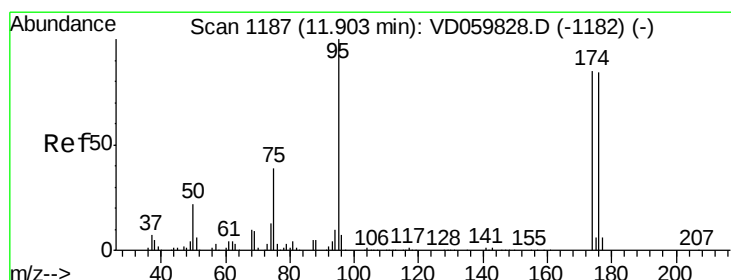
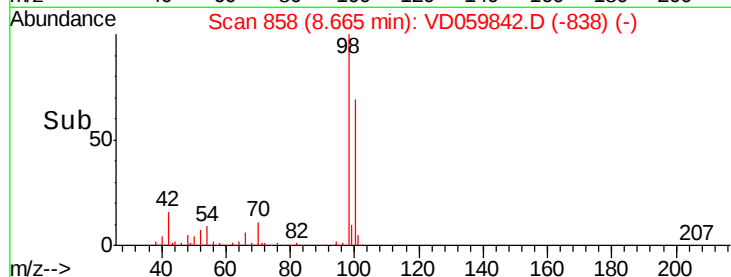
300000

200000

100000

0

Time--> 8.50 8.60 8.70 8.80



#62

4-Bromofluorobenzene

Concen: N.D. ug/l

RT: 11.90 min Scan# 1187

Delta R.T. 0.00 min

Lab File: VD059842.D

Acq: 20 Aug 2018 20:36

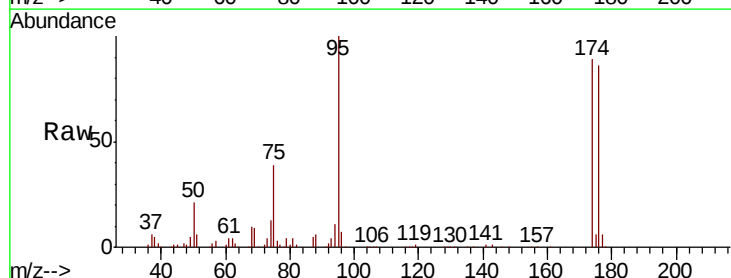
Tgt Ion: 95 Resp: 400478

Ion Ratio Lower Upper

95 100

174 89.2 0.0 169.2

176 85.8 0.0 168.0



Abundance Ion 95.00 (94.70 to 95.70): VD059828.D (-1182) (-)

Ion 173.90 (173.60 to 174.60): VD059828.D (-1182) (-)

Ion 175.90 (175.60 to 176.60): VD059828.D (-1182) (-)

11.90

400000

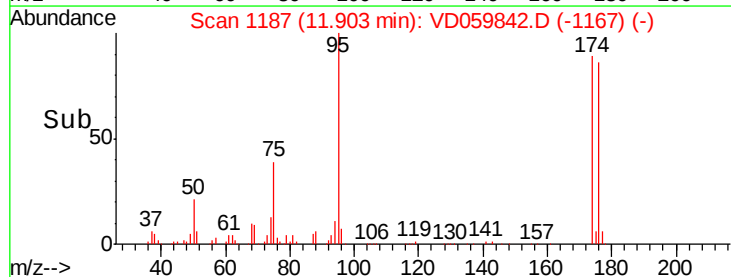
300000

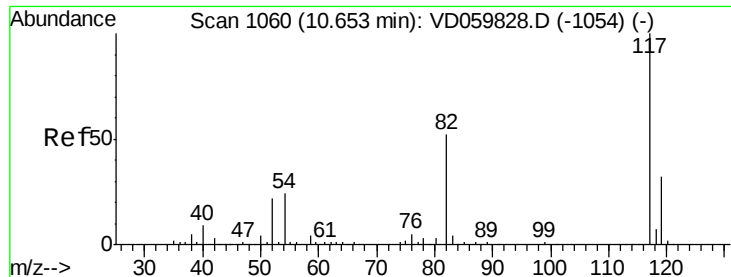
200000

100000

0

Time--> 11.80 11.90 12.00 12.10

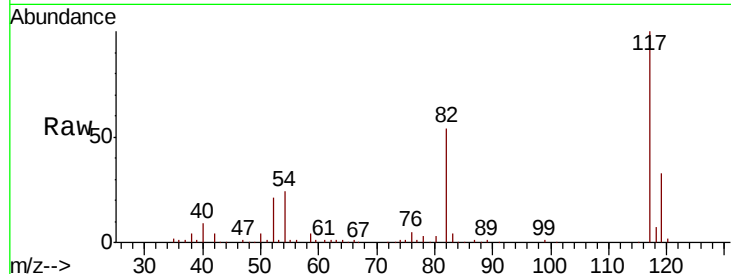




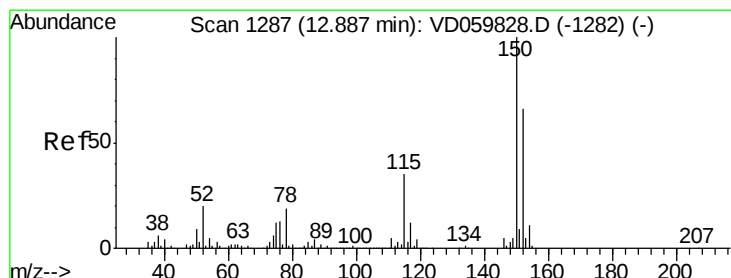
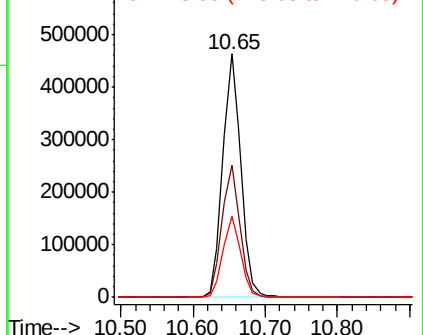
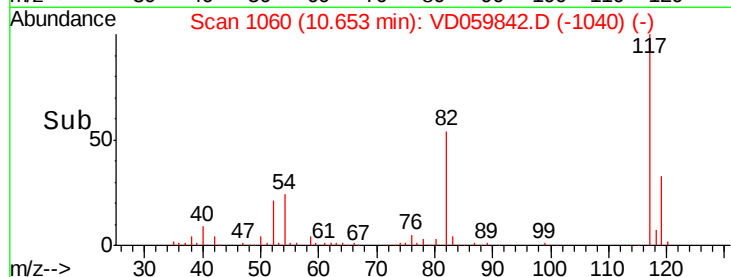
#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 10.65 min Scan# 1060
Delta R.T. 0.00 min
Lab File: VD059842.D
Acq: 20 Aug 2018 20:36

Instrument :
MSVOA_D
ClientSampleId :
RA-081418-FL-024

Tot Ion:117 Resp: 804390
Ion Ratio Lower Upper
117 100
82 54.3 41.6 62.4
119 33.3 25.6 38.4

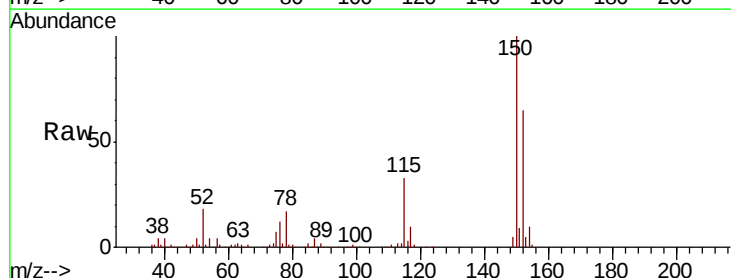


Abundance Ion 116.95 (116.65 to 117.65): V
Ion 82.05 (81.75 to 82.75): V
Ion 118.95 (118.65 to 119.65): V



#72
1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 12.89 min Scan# 1287
Delta R.T. 0.00 min
Lab File: VD059842.D
Acq: 20 Aug 2018 20:36

Tgt Ion:152 Resp: 388889
Ion Ratio Lower Upper
152 100
115 50.8 26.9 80.6
150 154.0 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

