

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD062118\
 Data File : VD058252.D
 Acq On : 21 Jun 2018 15:06
 Operator : VA/AP
 Sample : J3245-15
 Misc : 6.02g/5ml/MSVOA D/SOIL
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 CL-02-061918-D

Quant Time: Jun 22 06:40:22 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	5.65	168	681691	50.00	ug/l	0.01
34) 1,4-Difluorobenzene	6.70	114	901345	50.00	ug/l	0.01
63) Chlorobenzene-d5	10.70	117	699297	50.00	ug/l	0.01
72) 1,4-Dichlorobenzene-d4	12.91	152	326748	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	6.02	65	364054	52.87	ug/l	0.01
Spiked Amount 50.000			Recovery	=	105.74%	
35) Dibromofluoromethane	5.56	113	382064	52.08	ug/l	0.01
Spiked Amount 50.000			Recovery	=	104.16%	
50) Toluene-d8	8.72	98	842803	47.49	ug/l	0.01
Spiked Amount 50.000			Recovery	=	94.98%	
62) 4-Bromofluorobenzene	11.94	95	327861	45.22	ug/l	0.01
Spiked Amount 50.000			Recovery	=	90.44%	

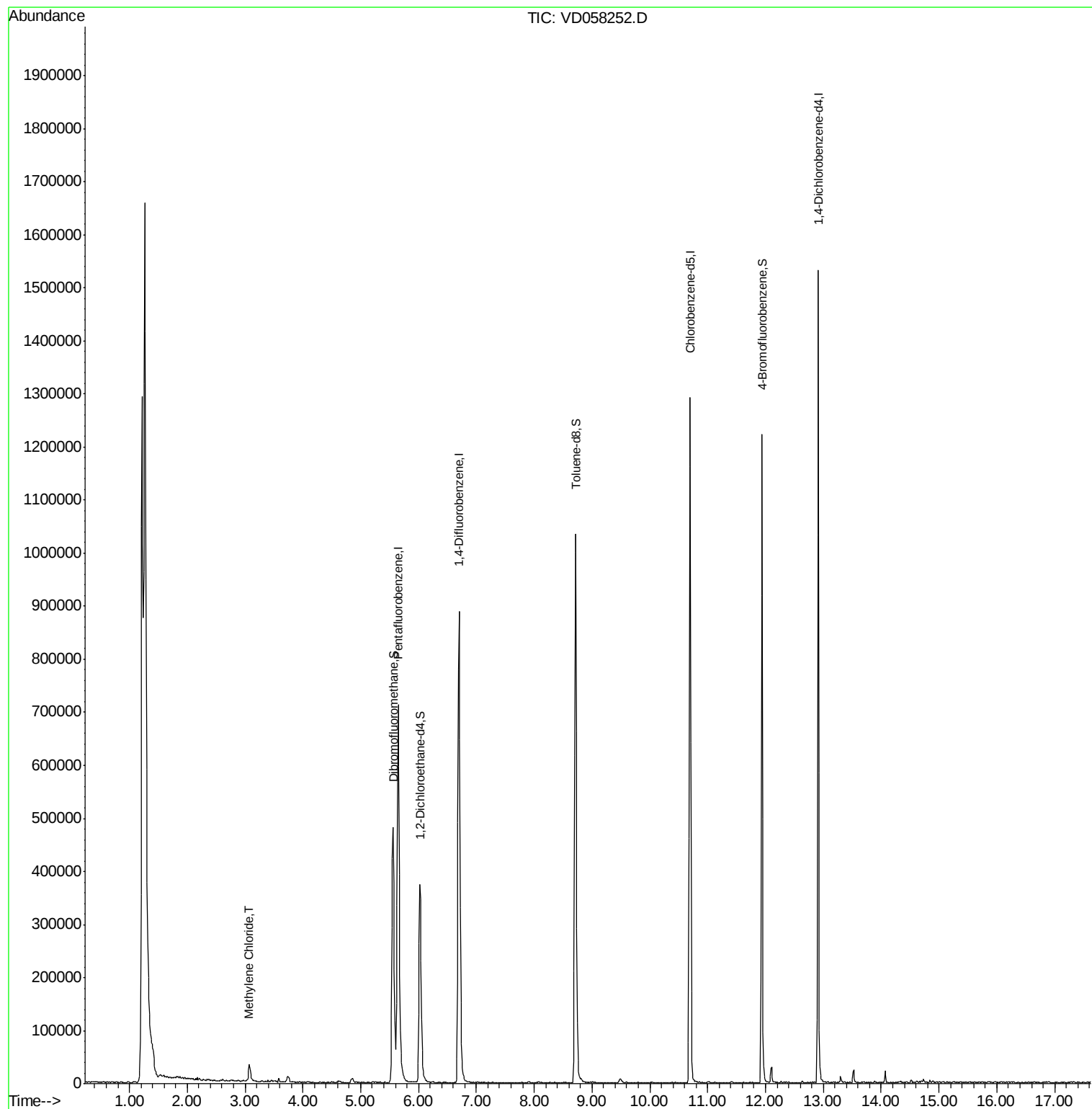
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
20) Methylene Chloride	3.07	84	14222	1.13	ug/l	92

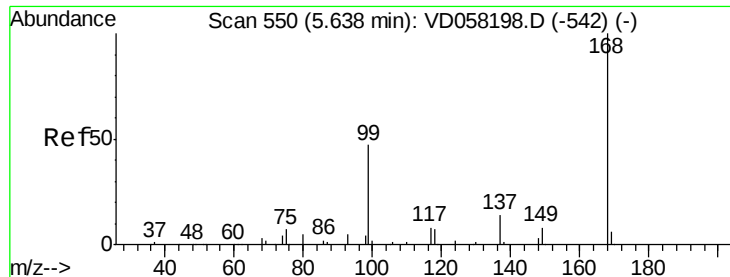
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Wed Jun 20 05:52:56 2018
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#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 5.65 min Scan# 551

Delta R.T. 0.01 min

Lab File: VD058252.D

Acq: 21 Jun 2018 15:06

Instrument :

MSVOA_D

ClientSampleId :

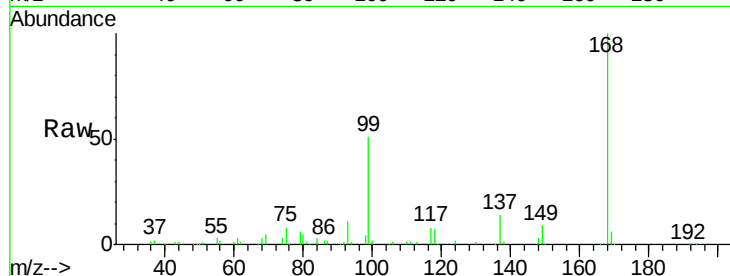
CL-02-061918-D

Tot Ion:168 Resp: 681691

Ion Ratio Lower Upper

168 100

99 50.8 41.1 61.7



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.95 (98.65 to 99.65): VDC

5.65

250000

150000

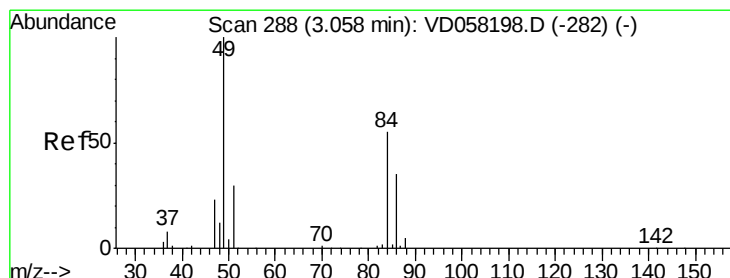
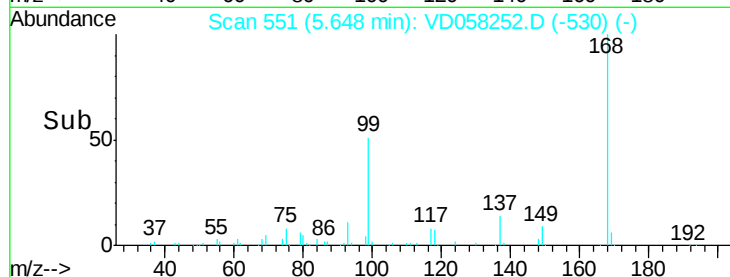
100000

50000

0

Time-->

5.50 5.60 5.70 5.80



#20

Methylene Chloride

Concen: 1.13 ug/l

RT: 3.07 min Scan# 289

Delta R.T. 0.01 min

Lab File: VD058252.D

Acq: 21 Jun 2018 15:06

Tgt Ion: 84 Resp: 14222

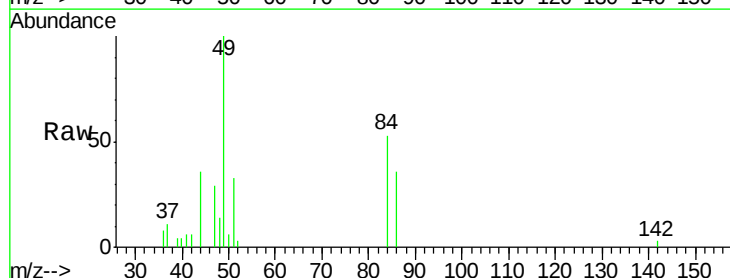
Ion Ratio Lower Upper

84 100

49 190.5 145.0 217.6

51 63.3 42.9 64.3

86 69.1 50.1 75.1



Abundance Ion 83.95 (83.65 to 84.65): VDC

Ion 48.90 (48.60 to 49.60): VDC

Ion 50.90 (50.60 to 51.60): VDC

Ion 85.90 (85.60 to 86.60): VDC

15000

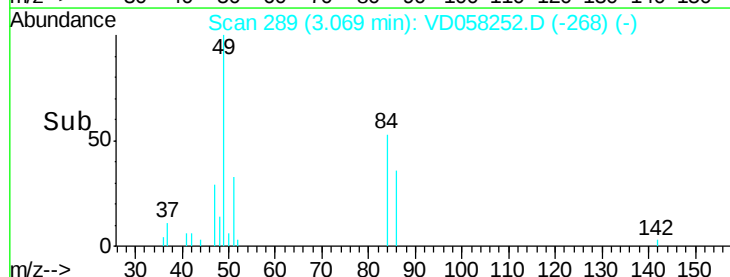
10000

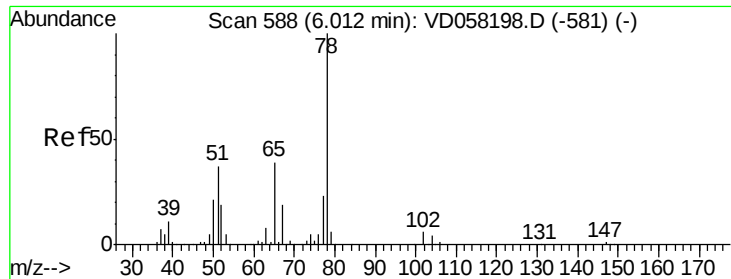
5000

0

Time-->

3.00 3.10 3.20





#33

1,2-Dichloroethane-d4

Concen: N.D. ug/l

RT: 6.02 min Scan# 589

Delta R.T. 0.01 min

Lab File: VD058252.D

Acq: 21 Jun 2018 15:06

Instrument :

MSVOA_D

ClientSampled :

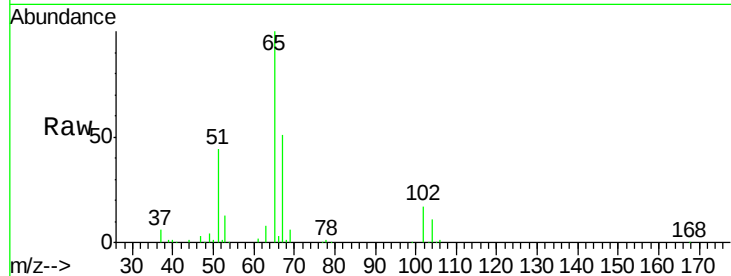
CL-02-061918-D

Tot Ion: 65 Resp: 364054

Ion Ratio Lower Upper

65 100

67 51.3 0.0 97.8



Abundance Ion 64.95 (64.65 to 65.65): VDC

Ion 66.90 (66.60 to 67.60): VDC

6.02

150000

100000

50000

0

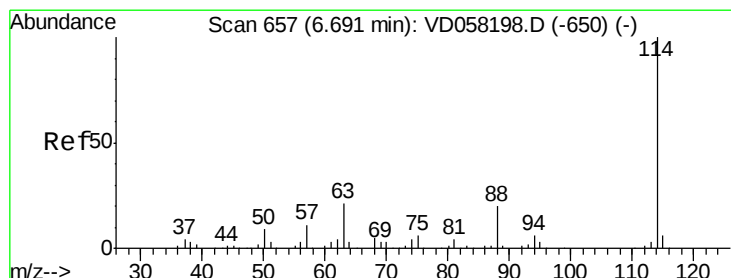
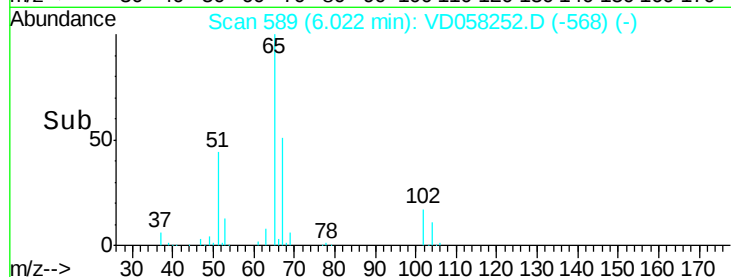
Time-->

5.90

6.00

6.10

6.20



#34

1,4-Difluorobenzene

Concen: 50.00 ug/l

RT: 6.70 min Scan# 658

Delta R.T. 0.01 min

Lab File: VD058252.D

Acq: 21 Jun 2018 15:06

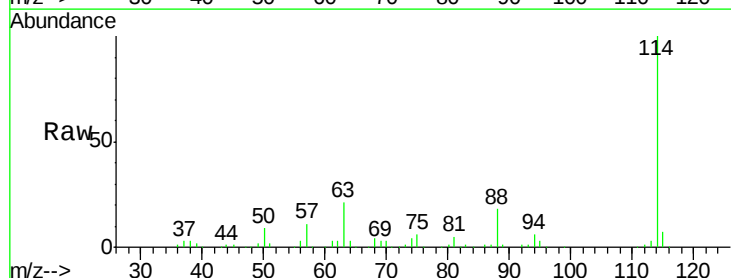
Tgt Ion: 114 Resp: 901345

Ion Ratio Lower Upper

114 100

63 21.0 0.0 42.6

88 17.8 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

500000

400000

300000

200000

100000

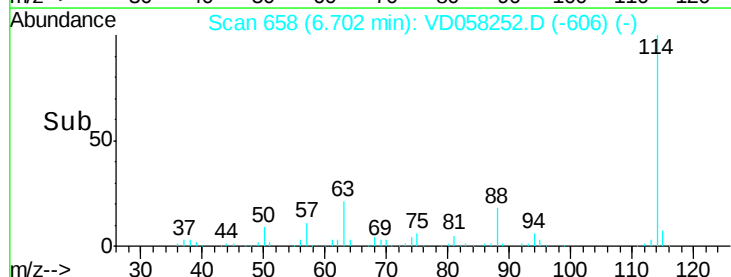
0

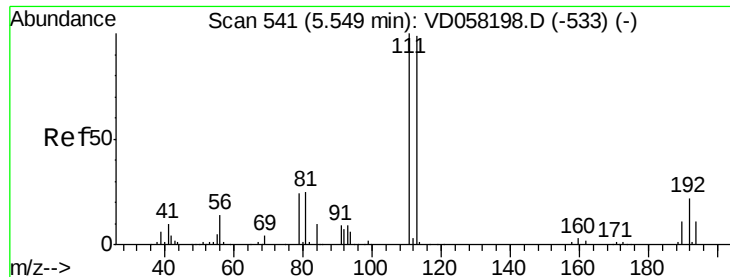
Time-->

6.60

6.80

7.00





#35

Dibromofluoromethane

Concen: 50.00 ug/l

RT: 5.56 min Scan# 542

Delta R.T. 0.01 min

Lab File: VD058252.D

Acq: 21 Jun 2018 15:06

Instrument :

MSVOA_D

ClientSampleId :

CL-02-061918-D

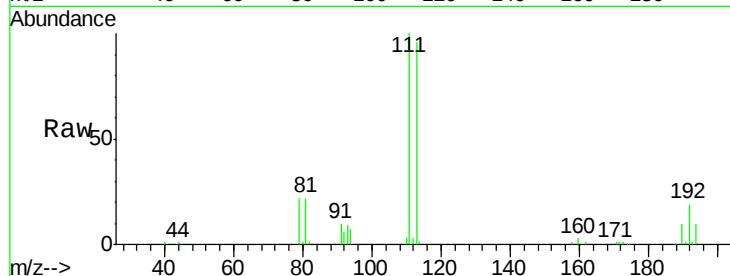
Tot Ion:113 Resp: 382064

Ion Ratio Lower Upper

113 100

111 104.2 80.6 121.0

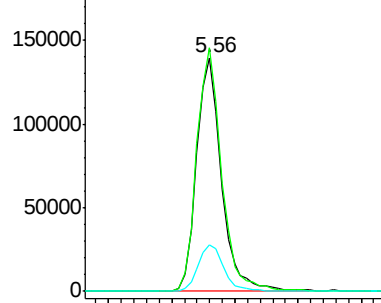
192 19.9 17.8 26.6



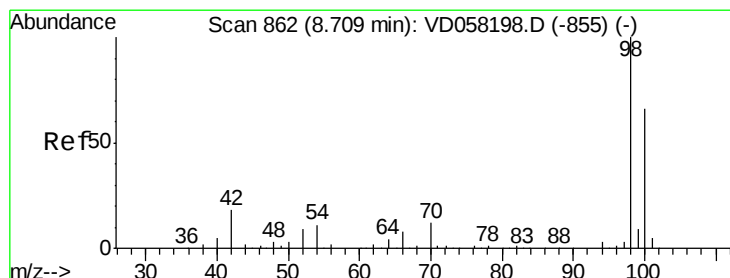
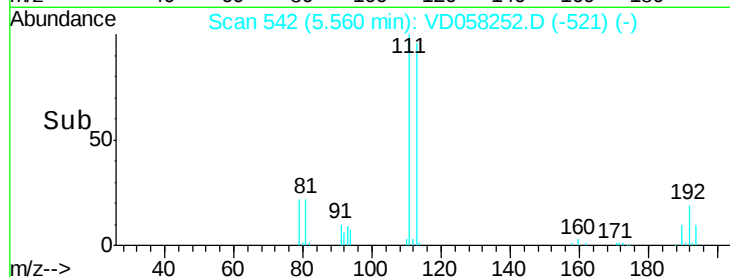
Abundance Ion 112.90 (112.60 to 113.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 191.80 (191.50 to 192.50): V



Time-->



#50

Toluene-d8

Concen: N.D. ug/l

RT: 8.72 min Scan# 863

Delta R.T. 0.01 min

Lab File: VD058252.D

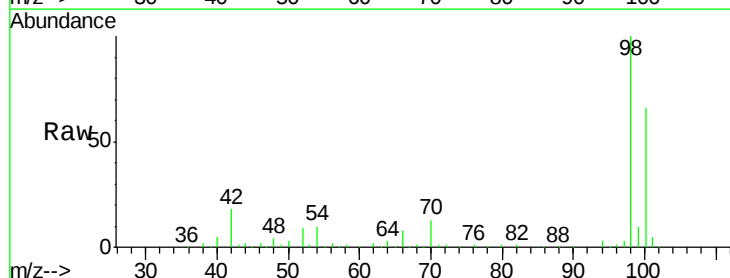
Acq: 21 Jun 2018 15:06

Tgt Ion: 98 Resp: 842803

Ion Ratio Lower Upper

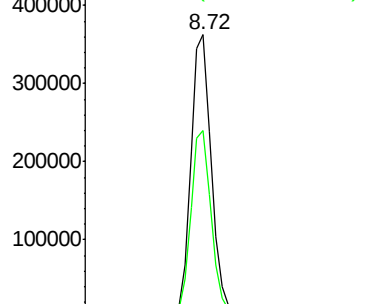
98 100

100 66.2 53.6 80.4

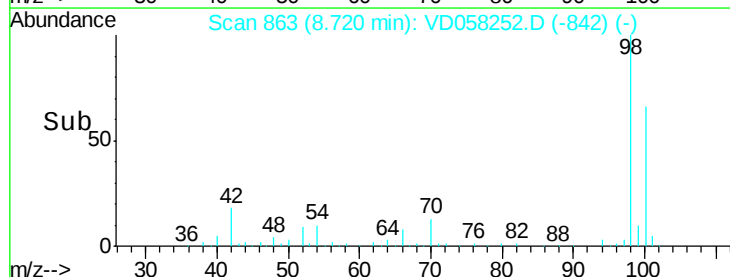


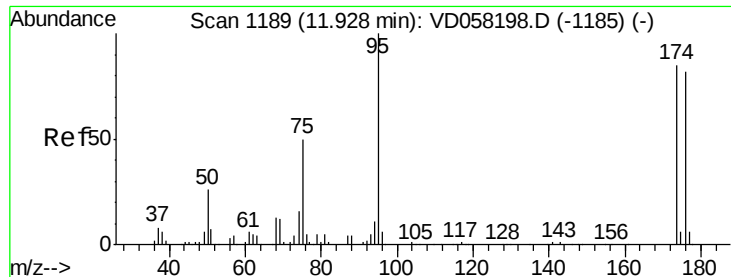
Abundance Ion 98.05 (97.75 to 98.75): V

Ion 100.05 (99.75 to 100.75): V



Time-->





#62

4-Bromofluorobenzene

Concen: N.D. ug/l

RT: 11.94 min Scan# 1190

Delta R.T. 0.01 min

Lab File: VD058252.D

Acq: 21 Jun 2018 15:06

Instrument :

MSVOA_D

ClientSampleId :

CL-02-061918-D

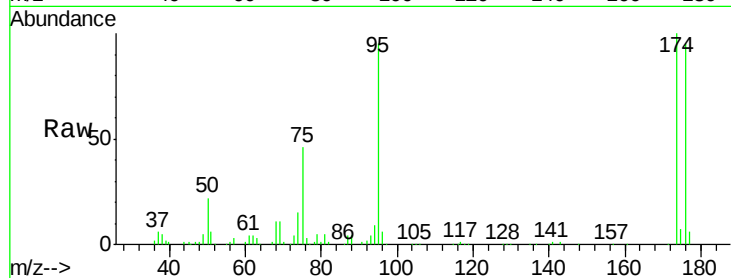
Tot Ion: 95 Resp: 327861

Ion Ratio Lower Upper

95 100

174 105.0 0.0 170.2

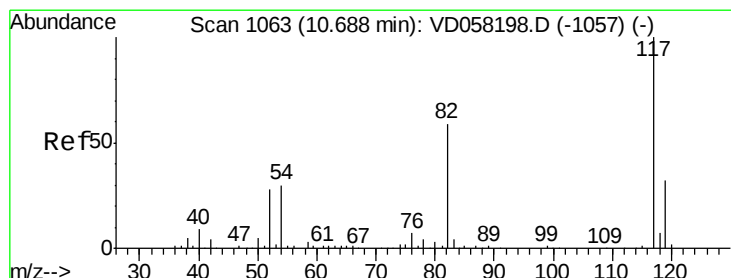
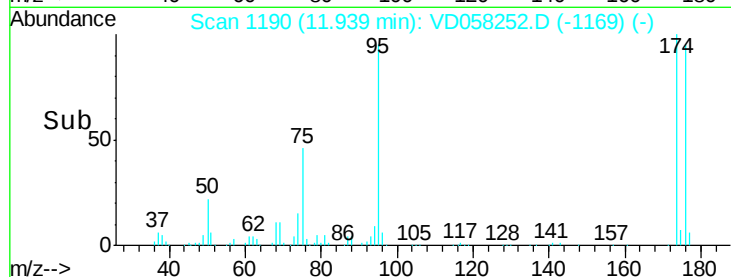
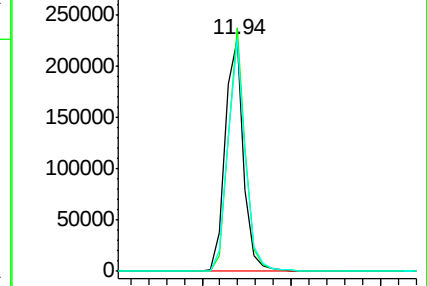
176 99.9 0.0 164.6



Abundance Ion 95.00 (94.70 to 95.70): V

Ion 173.90 (173.60 to 174.60): V

Ion 175.90 (175.60 to 176.60): V



#63

Chlorobenzene-d5

Concen: 50.00 ug/l

RT: 10.70 min Scan# 1064

Delta R.T. 0.01 min

Lab File: VD058252.D

Acq: 21 Jun 2018 15:06

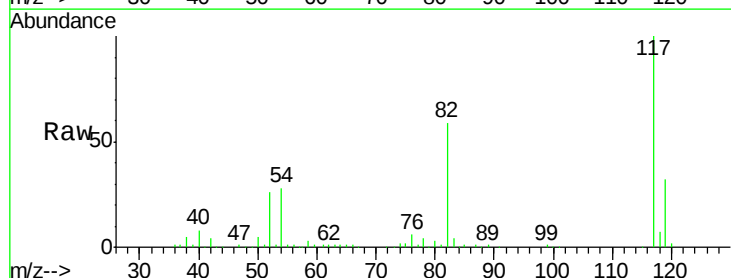
Tgt Ion: 117 Resp: 699297

Ion Ratio Lower Upper

117 100

82 58.9 47.0 70.6

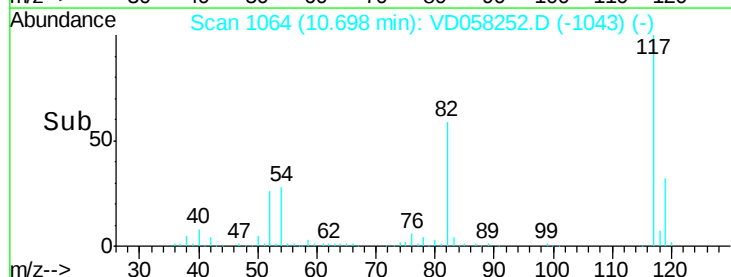
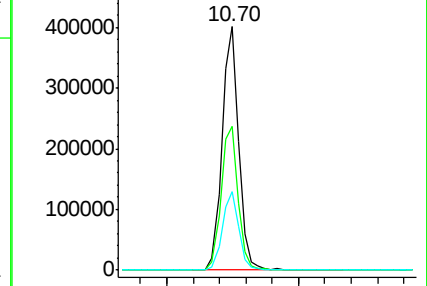
119 32.2 25.3 37.9

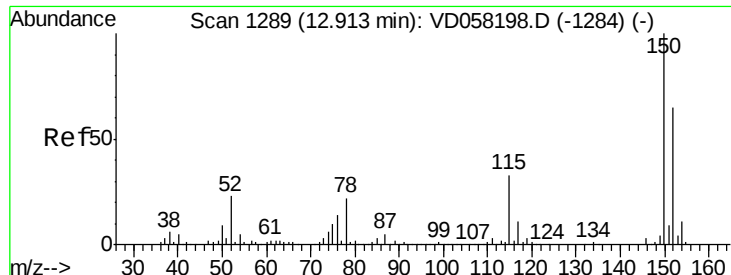


Abundance Ion 116.95 (116.65 to 117.65): V

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: 12.91 min Scan# 1289

Delta R.T. 0.00 min

Lab File: VD058252.D

Acq: 21 Jun 2018 15:06

Instrument :

MSVOA_D

ClientSampleId :

CL-02-061918-D

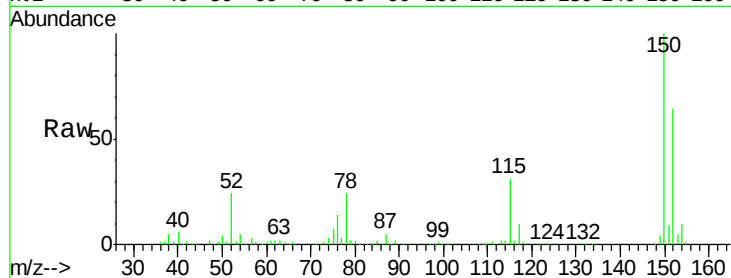
Tot Ion:152 Resp: 326748

Ion Ratio Lower Upper

152 100

115 49.0 25.1 75.3

150 156.9 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

