

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD062118\
 Data File : VD058289.D
 Acq On : 22 Jun 2018 10:55
 Operator : VA/AP
 Sample : J3582-08
 Misc : 6.28g/5ml/MSVOA D/SOIL
 ALS Vial : 48 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 SSP-C-2-GRAB

Quant Time: Jun 22 11:21:29 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	558447	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.69	114	764222	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.69	117	520854	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.90	152	175339	50.00	ug/l	-0.01

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	6.02	65	344384	61.05	ug/l	0.00
Spiked Amount 50.000			Recovery	=	122.10%	
35) Dibromofluoromethane	5.55	113	363716	58.48	ug/l	0.00
Spiked Amount 50.000			Recovery	=	116.96%	
50) Toluene-d8	8.71	98	683326	45.41	ug/l	0.00
Spiked Amount 50.000			Recovery	=	90.82%	
62) 4-Bromofluorobenzene	11.93	95	229324	37.31	ug/l	0.00
Spiked Amount 50.000			Recovery	=	74.62%	

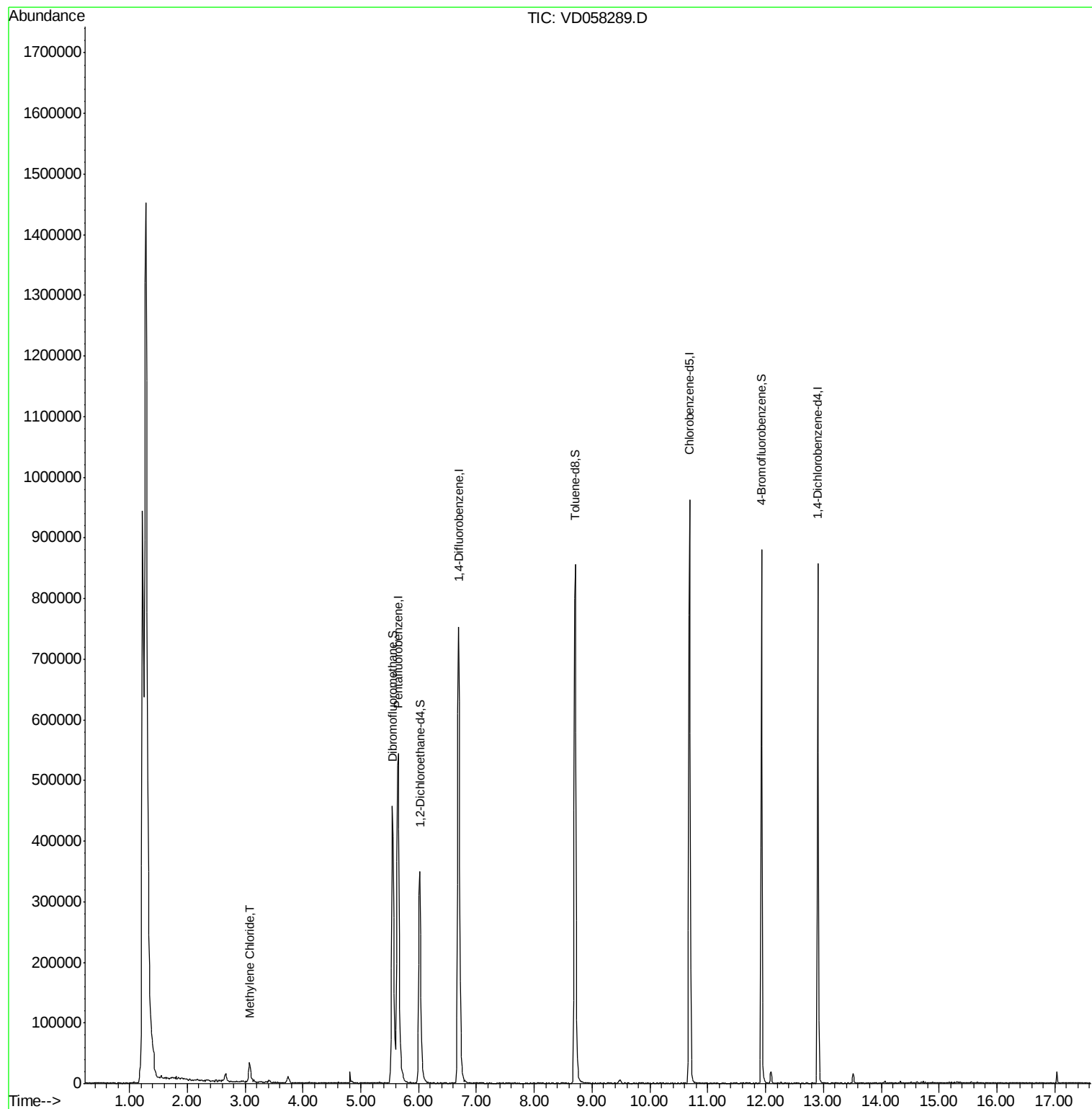
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
20) Methylene Chloride	3.08	84	14229	2.54	ug/l	93

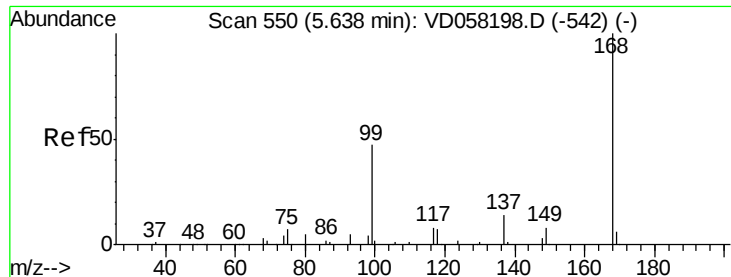
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
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: VD058289.D

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Instrument :

MSVOA_D

ClientSampleId :

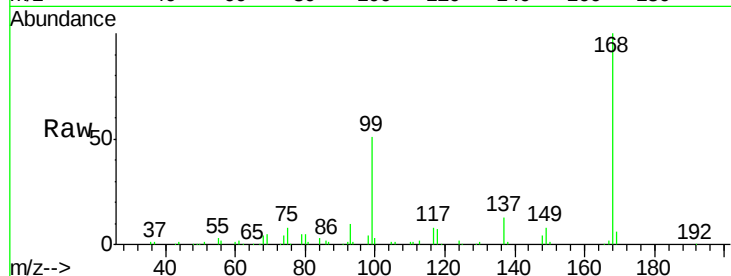
SSP-C-2-GRAB

Tot Ion:168 Resp: 558447

Ion Ratio Lower Upper

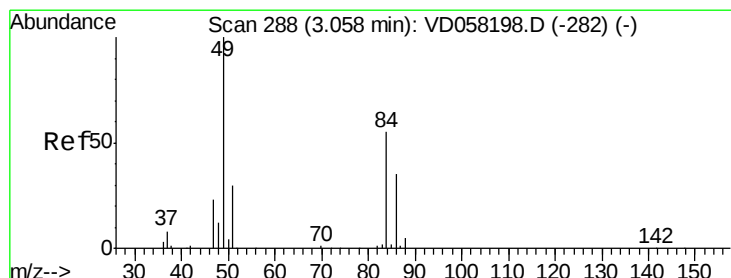
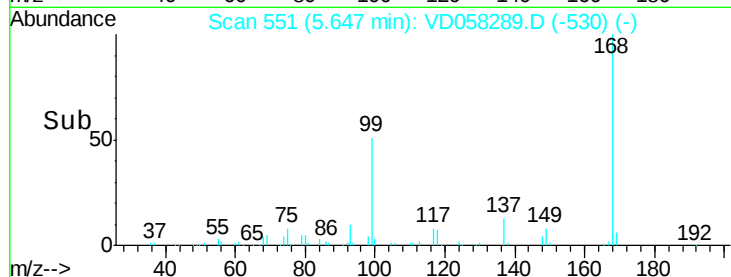
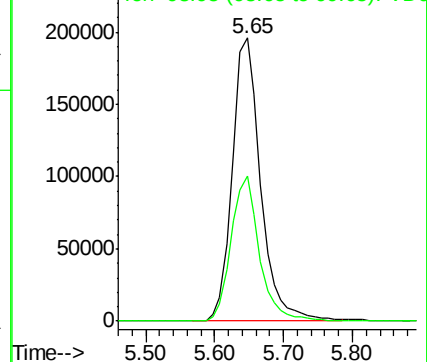
168 100

99 51.4 41.1 61.7



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.95 (98.65 to 99.65): VDC



#20

Methylene Chloride

Concen: 2.54 ug/l

RT: 3.08 min Scan# 290

Delta R.T. 0.02 min

Lab File: VD058289.D

Acq: 22 Jun 2018 10:55

Tgt Ion: 84 Resp: 14229

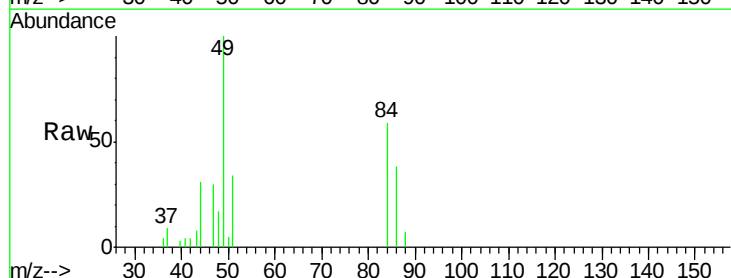
Ion Ratio Lower Upper

84 100

49 169.2 145.0 217.6

51 58.0 42.9 64.3

86 65.0 50.1 75.1

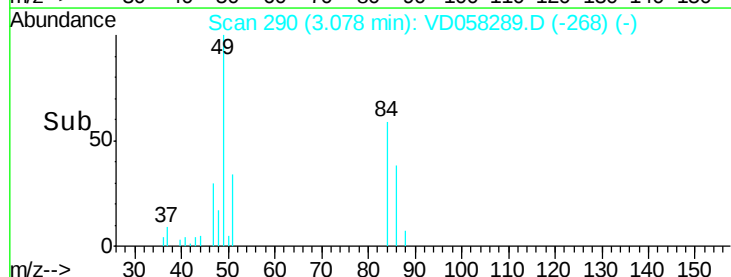
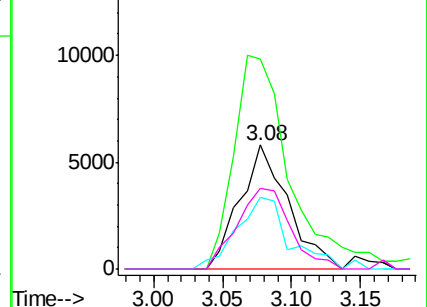


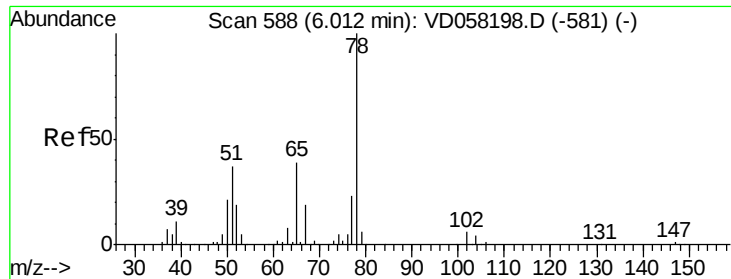
Abundance Ion 83.95 (83.65 to 84.65): VDC

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





#33

1,2-Dichloroethane-d4

Concen: N.D. ug/l

RT: 6.02 min Scan# 589

Delta R.T. 0.01 min

Lab File: VD058289.D

Acq: 22 Jun 2018 10:55

Instrument :

MSVOA_D

ClientSampleId :

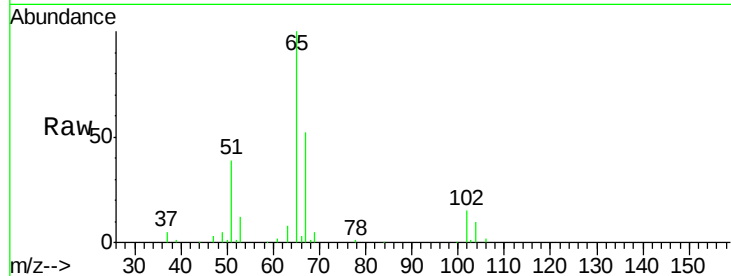
SSP-C-2-GRAB

Tot Ion: 65 Resp: 344384

Ion Ratio Lower Upper

65 100

67 51.5 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

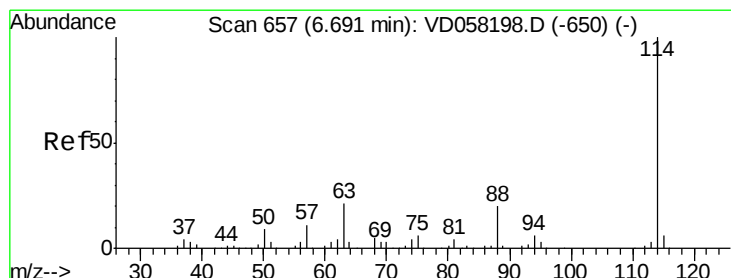
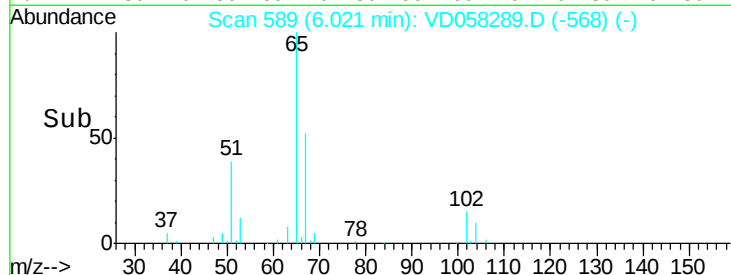
100000

50000

0

Time-->

5.90 6.00 6.10 6.20



#34

1,4-Difluorobenzene

Concen: 50.00 ug/l

RT: 6.69 min Scan# 657

Delta R.T. -0.00 min

Lab File: VD058289.D

Acq: 22 Jun 2018 10:55

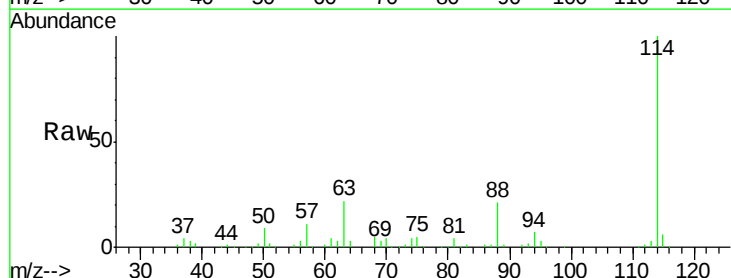
Tgt Ion: 114 Resp: 764222

Ion Ratio Lower Upper

114 100

63 22.4 0.0 42.6

88 21.3 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

6.69

400000

300000

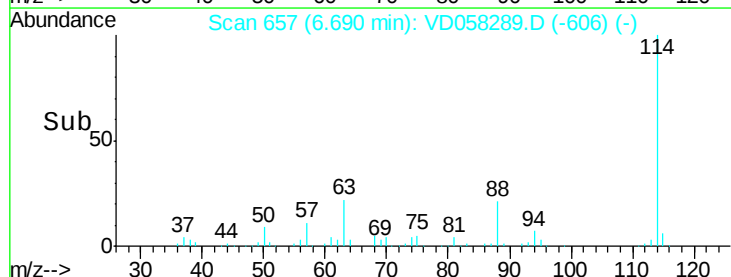
200000

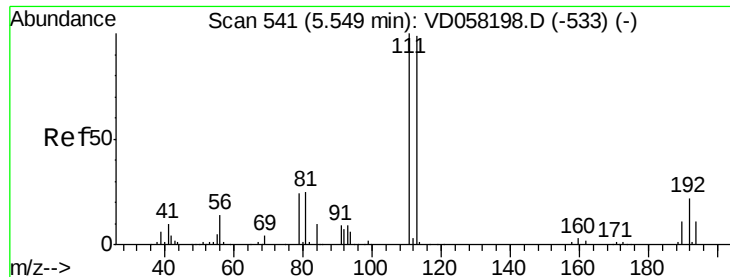
100000

0

Time-->

6.60 6.70 6.80 6.90

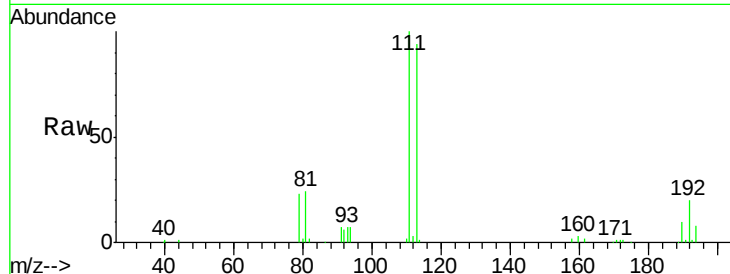




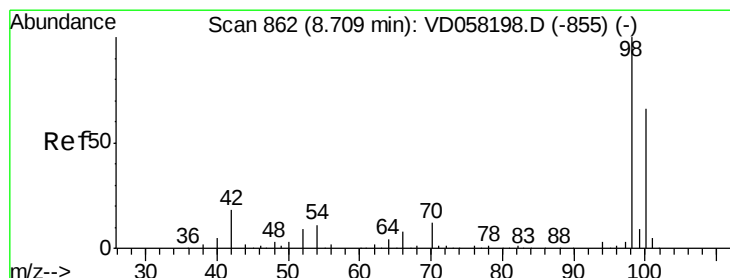
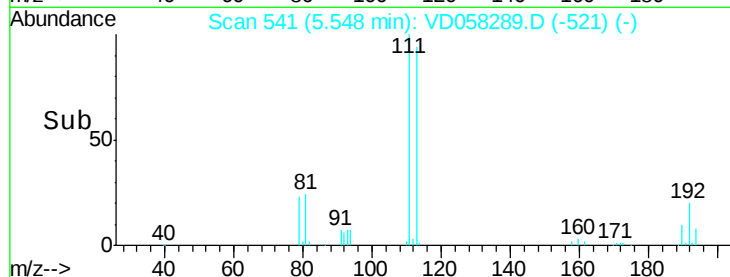
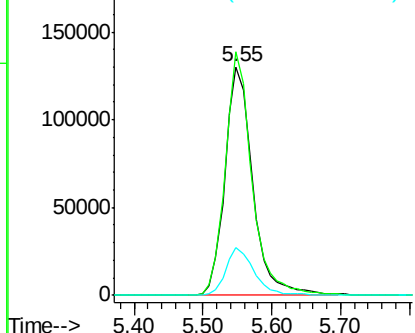
#35
Dibromofluoromethane
Concen: 50.00 ug/l
RT: 5.55 min Scan# 541
Delta R.T. -0.00 min
Lab File: VD058289.D
Acq: 22 Jun 2018 10:55

Instrument :
MSVOA_D
ClientSampleId :
SSP-C-2-GRAB

Tot Ion:113 Resp: 363716
Ion Ratio Lower Upper
113 100
111 106.5 80.6 121.0
192 21.1 17.8 26.6

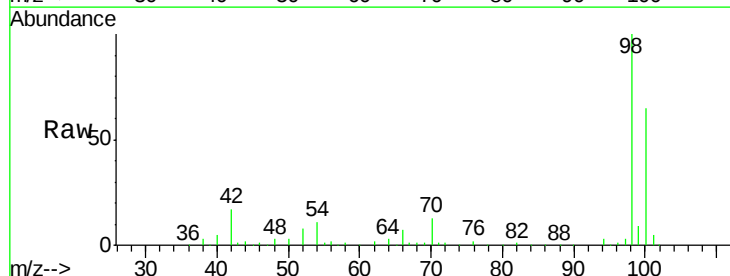


Abundance Ion 112.90 (112.60 to 113.60): V
Ion 110.90 (110.60 to 111.60): V
Ion 191.80 (191.50 to 192.50): V

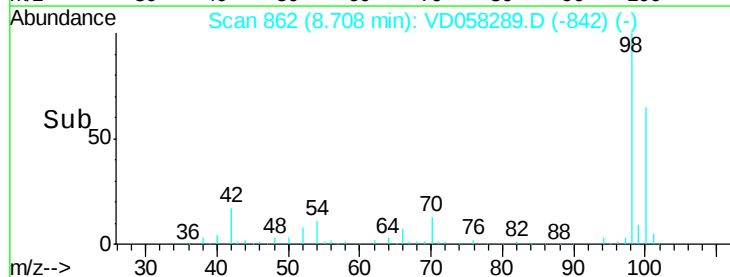
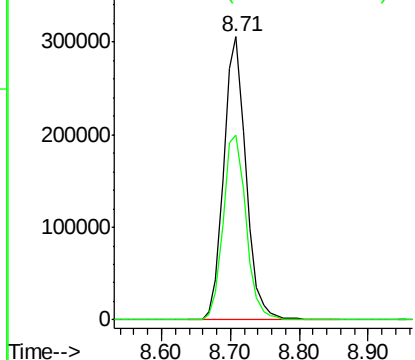


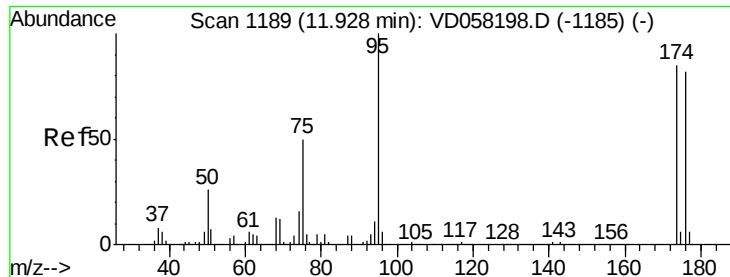
#50
Toluene-d8
Concen: N.D. ug/l
RT: 8.71 min Scan# 862
Delta R.T. -0.00 min
Lab File: VD058289.D
Acq: 22 Jun 2018 10:55

Tgt Ion: 98 Resp: 683326
Ion Ratio Lower Upper
98 100
100 65.4 53.6 80.4



Abundance Ion 98.05 (97.75 to 98.75): VDC
Ion 100.05 (99.75 to 100.75): VDC





#62

4-Bromofluorobenzene

Concen: N.D. ug/l

RT: 11.93 min Scan# 1189

Delta R.T. -0.00 min

Lab File: VD058289.D

Acq: 22 Jun 2018 10:55

Instrument :

MSVOA_D

ClientSampleId :

SSP-C-2-GRAB

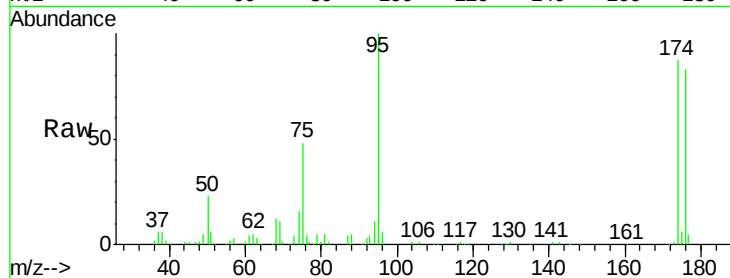
Tot Ion: 95 Resp: 229324

Ion Ratio Lower Upper

95 100

174 87.0 0.0 170.2

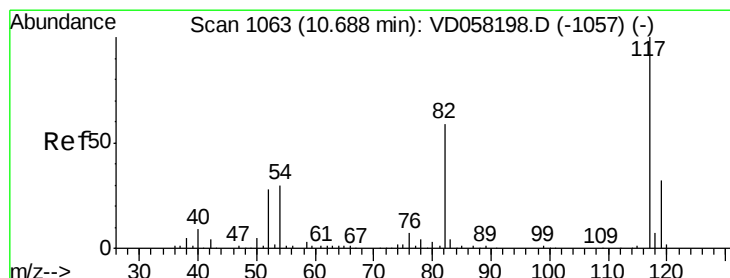
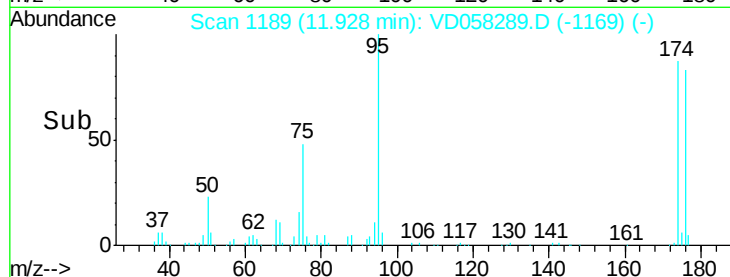
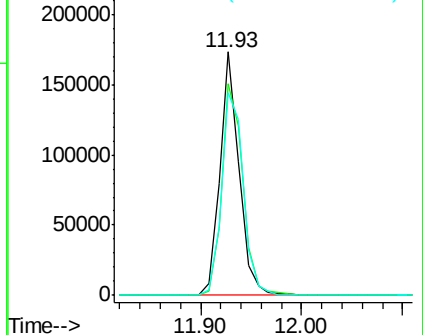
176 83.1 0.0 164.6



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: 10.69 min Scan# 1063

Delta R.T. -0.00 min

Lab File: VD058289.D

Acq: 22 Jun 2018 10:55

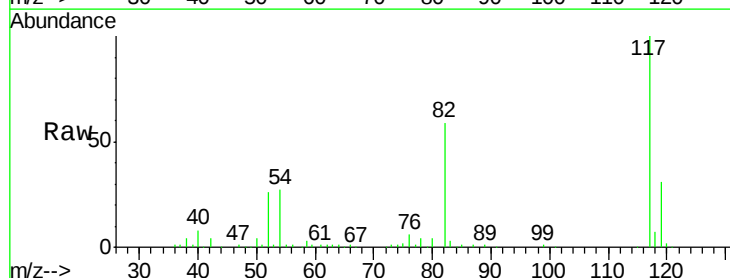
Tgt Ion: 117 Resp: 520854

Ion Ratio Lower Upper

117 100

82 58.9 47.0 70.6

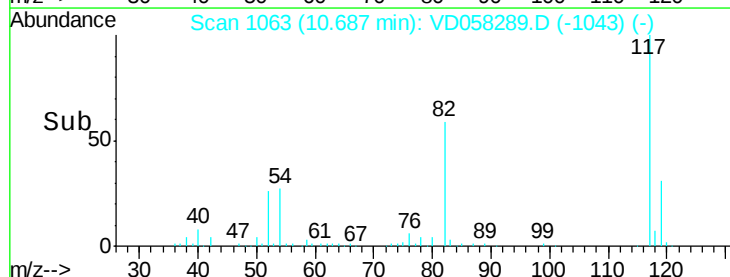
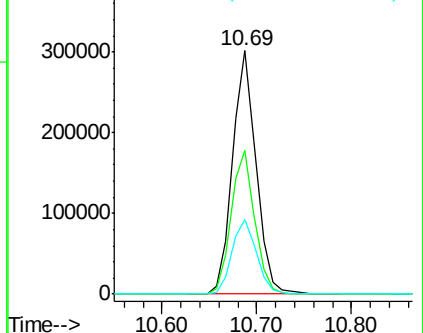
119 30.7 25.3 37.9

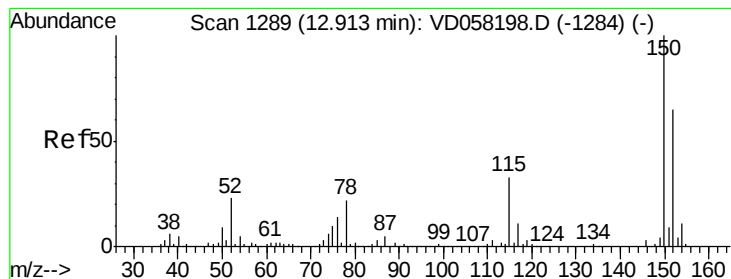


Abundance Ion 116.95 (116.65 to 117.65): V

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: 12.90 min Scan# 1288

Delta R.T. -0.01 min

Lab File: VD058289.D

Acq: 22 Jun 2018 10:55

Instrument :

MSVOA_D

ClientSampleId :

SSP-C-2-GRAB

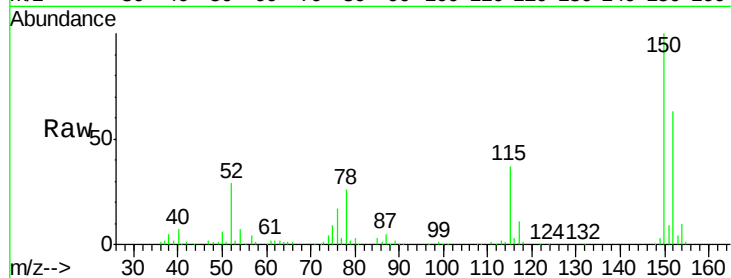
Tot Ion:152 Resp: 175339

Ion Ratio Lower Upper

152 100

115 58.5 25.1 75.3

150 157.8 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

