

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD062218\
 Data File : VD058305.D
 Acq On : 22 Jun 2018 19:19
 Operator : VA/AP
 Sample : J3663-08
 Misc : 5.00µl/5ml/MSVOA D/SOIL
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 WP021SB470-10-12-180618

Quant Time: Jun 22 23:24:13 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	734504	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.69	114	913908	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.69	117	731219	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.90	152	408716	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	6.01	65	390345	52.61	ug/l	0.00
Spiked Amount 50.000			Recovery	=	105.22%	
35) Dibromofluoromethane	5.54	113	392087	52.71	ug/l	0.00
Spiked Amount 50.000			Recovery	=	105.42%	
50) Toluene-d8	8.70	98	840378	46.70	ug/l	0.00
Spiked Amount 50.000			Recovery	=	93.40%	
62) 4-Bromofluorobenzene	11.93	95	382551	52.04	ug/l	0.00
Spiked Amount 50.000			Recovery	=	104.08%	

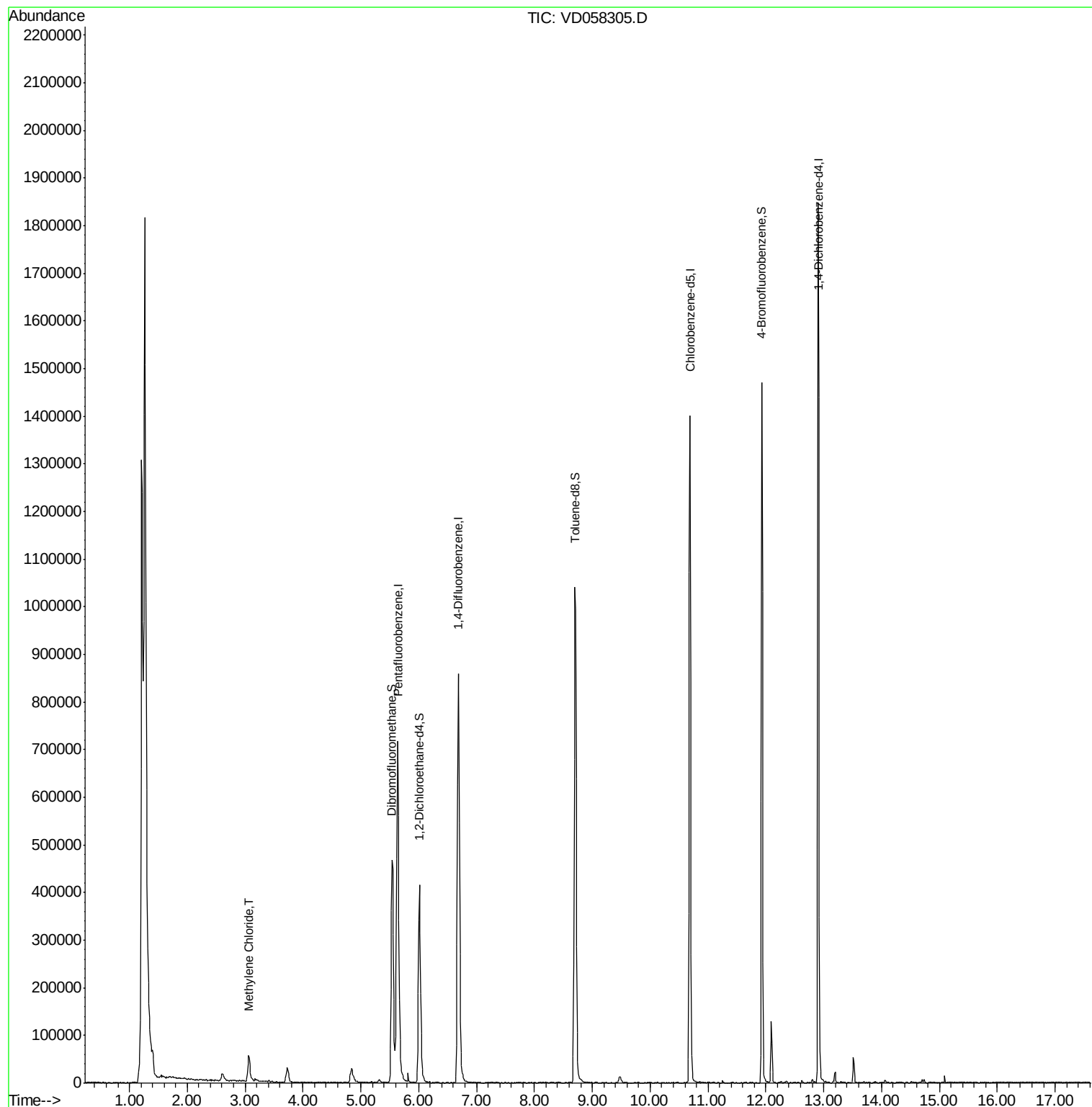
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
20) Methylene Chloride	3.06	84	25790	5.50	ug/l	# 90

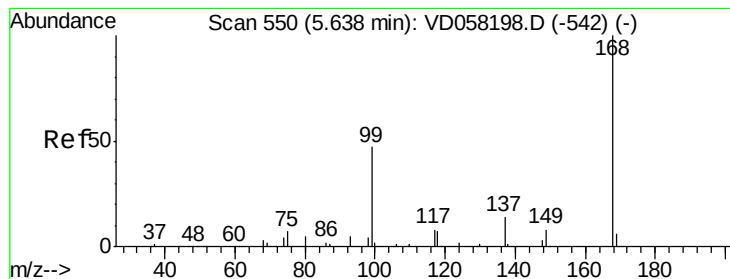
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
QLast Update : Wed Jun 20 05:52:56 2018
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 5.64 min Scan# 550

Delta R.T. 0.00 min

Lab File: VD058305.D

Acq: 22 Jun 2018 19:19

Instrument :

MSVOA_D

ClientSampleId :

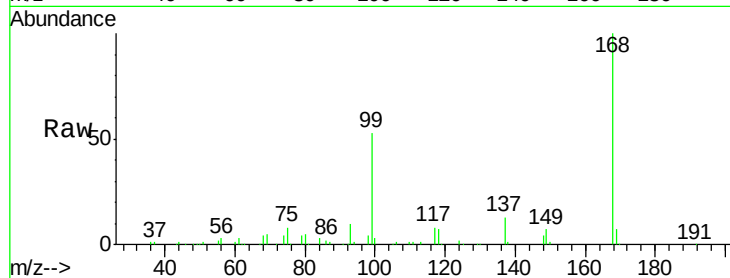
WP021SB470-10-12-180618

Tot Ion:168 Resp: 734504

Ion Ratio Lower Upper

168 100

99 53.3 41.1 61.7



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.95 (98.65 to 99.65): VDC

5.64

250000

200000

150000

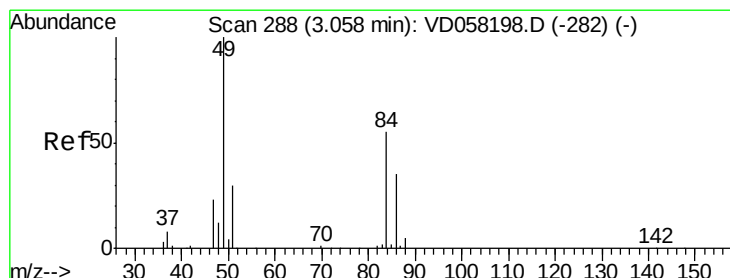
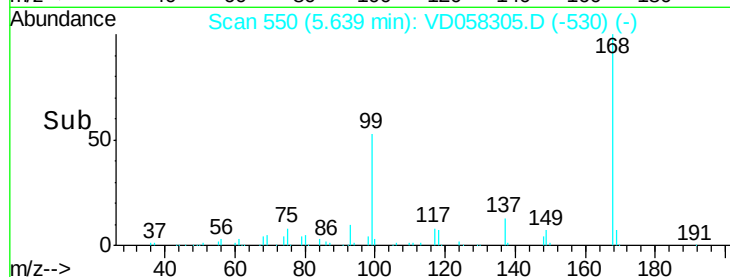
100000

50000

0

Time-->

5.50 5.60 5.70 5.80



#20

Methylene Chloride

Concen: 5.50 ug/l

RT: 3.06 min Scan# 288

Delta R.T. 0.00 min

Lab File: VD058305.D

Acq: 22 Jun 2018 19:19

Tgt Ion: 84 Resp: 25790

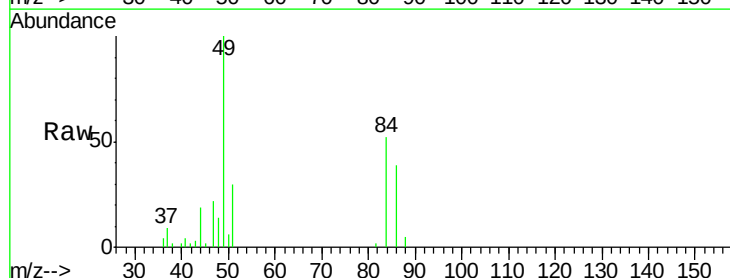
Ion Ratio Lower Upper

84 100

49 193.3 145.0 217.6

51 57.4 42.9 64.3

86 75.5 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

25000

20000

15000

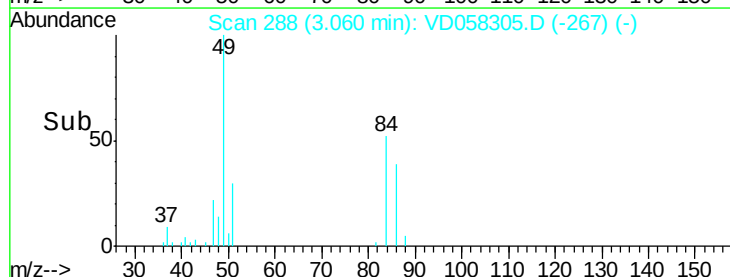
10000

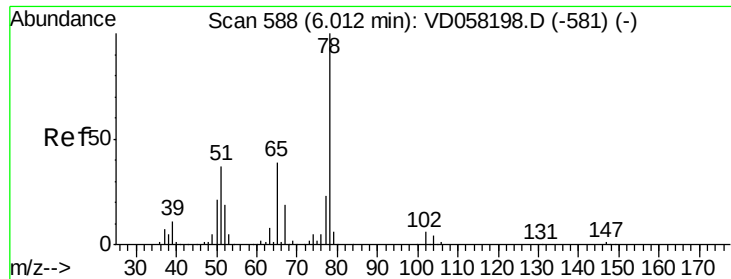
5000

0

Time-->

3.00 3.10 3.20

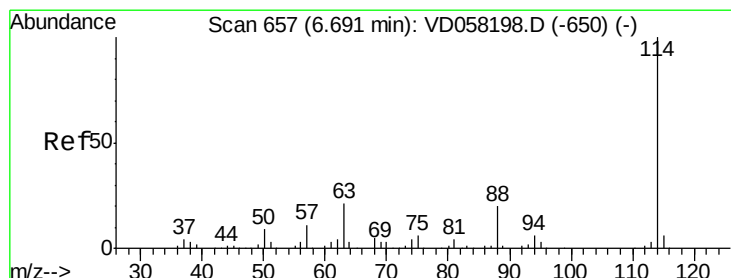
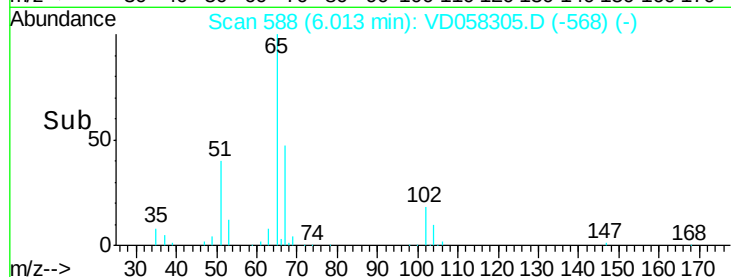
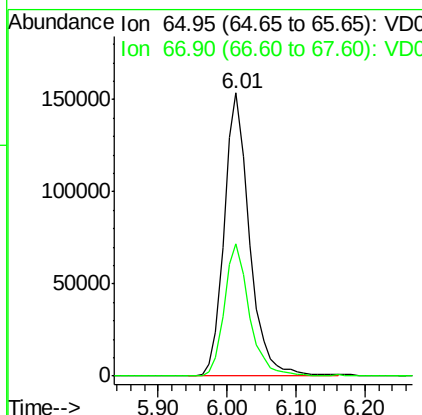
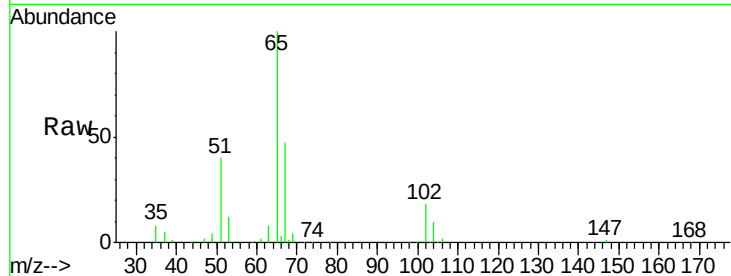




#33
 1,2-Dichloroethane-d4
 Concen: Below ug/l
 RT: 6.01 min Scan# 588
 Delta R.T. 0.00 min
 Lab File: VD058305.D
 Acq: 22 Jun 2018 19:19

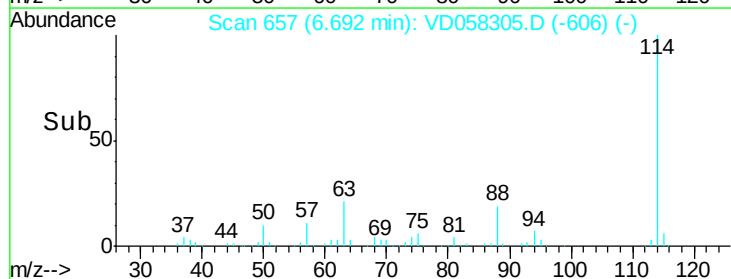
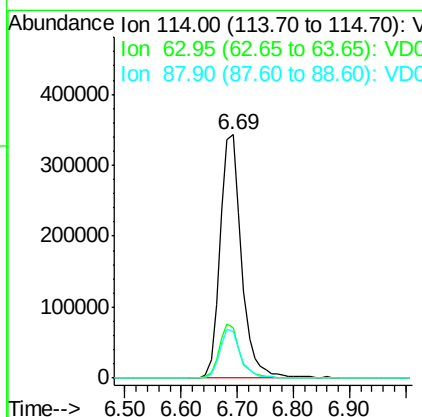
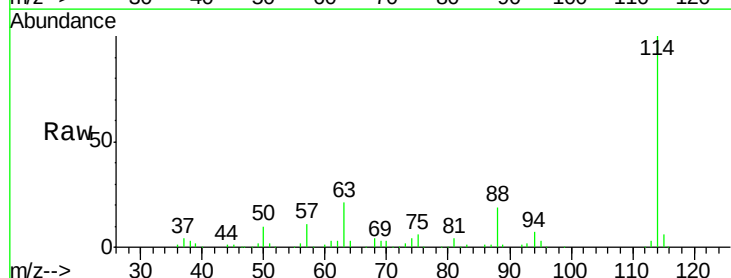
Instrument :
 MSVOA_D
 ClientSampleId :
 WP021SB470-10-12-180618

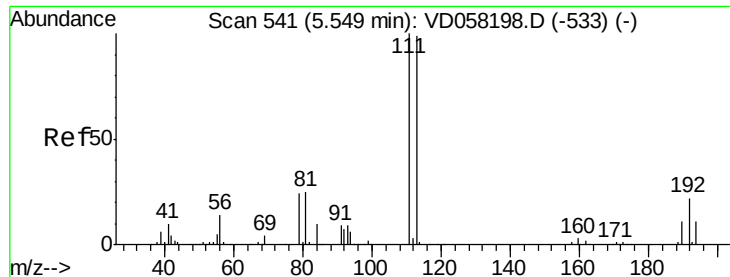
Tot Ion: 65 Resp: 390345
 Ion Ratio Lower Upper
 65 100
 67 46.6 0.0 97.8



#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 6.69 min Scan# 657
 Delta R.T. 0.00 min
 Lab File: VD058305.D
 Acq: 22 Jun 2018 19:19

Tgt Ion: 114 Resp: 913908
 Ion Ratio Lower Upper
 114 100
 63 20.8 0.0 42.6
 88 19.3 0.0 40.6





#35

Dibromofluoromethane

Concen: 50.00 ug/l

RT: 5.54 min Scan# 540

Delta R.T. -0.01 min

Lab File: VD058305.D

Acq: 22 Jun 2018 19:19

Instrument :

MSVOA_D

ClientSampleId :

WP021SB470-10-12-180618

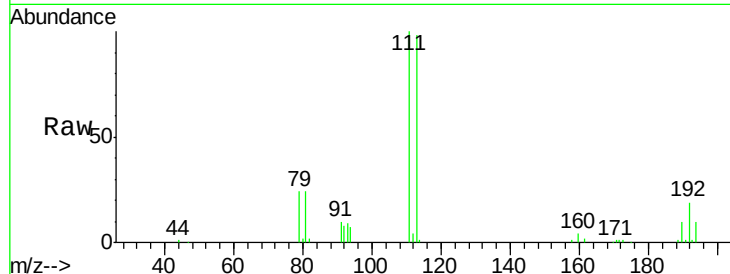
Tot Ion:113 Resp: 392087

Ion Ratio Lower Upper

113 100

111 102.0 80.6 121.0

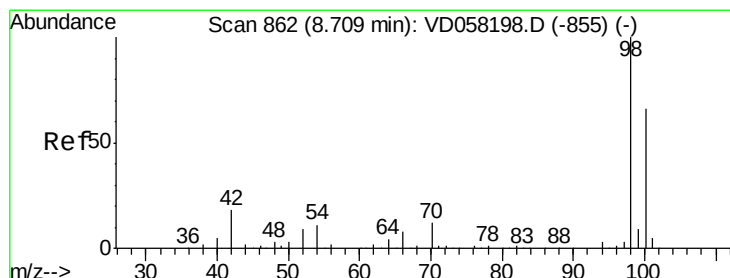
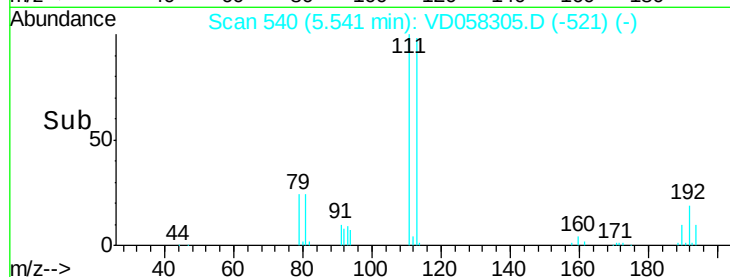
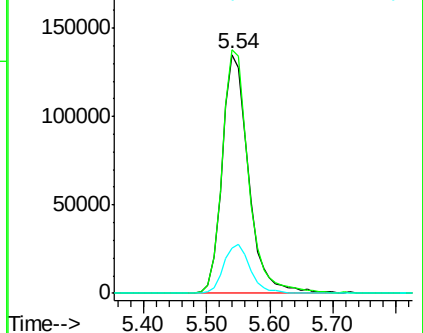
192 19.2 17.8 26.6



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: 8.70 min Scan# 861

Delta R.T. -0.01 min

Lab File: VD058305.D

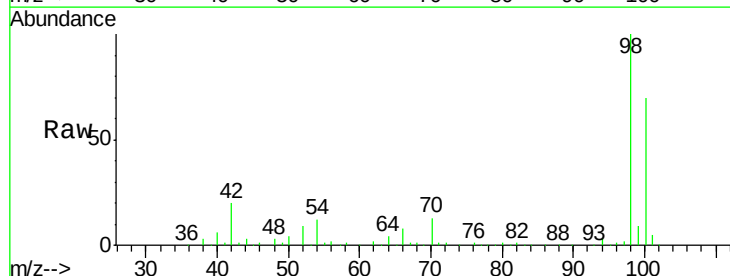
Acq: 22 Jun 2018 19:19

Tgt Ion: 98 Resp: 840378

Ion Ratio Lower Upper

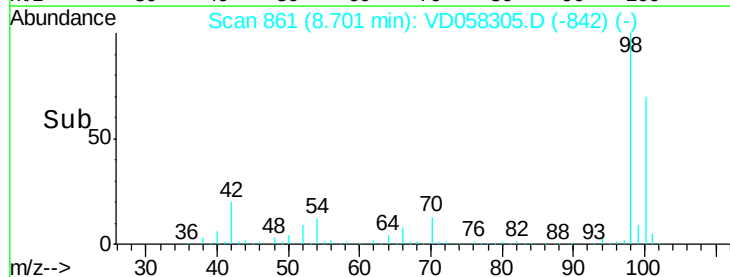
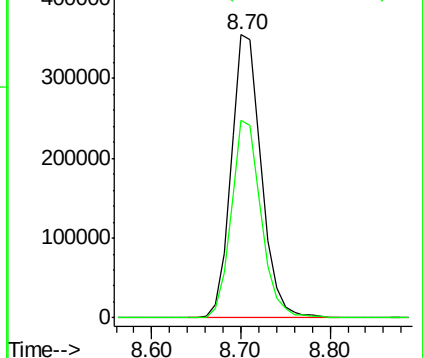
98 100

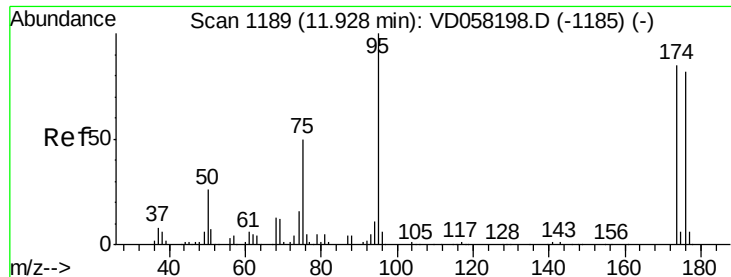
100 69.7 53.6 80.4



Abundance Ion 98.05 (97.75 to 98.75): V

Ion 100.05 (99.75 to 100.75): V





#62

4-Bromofluorobenzene

Concen: N.D. ug/l

RT: 11.93 min Scan# 1189

Delta R.T. 0.00 min

Lab File: VD058305.D

Acq: 22 Jun 2018 19:19

Instrument :

MSVOA_D

ClientSampleId :

WP021SB470-10-12-180618

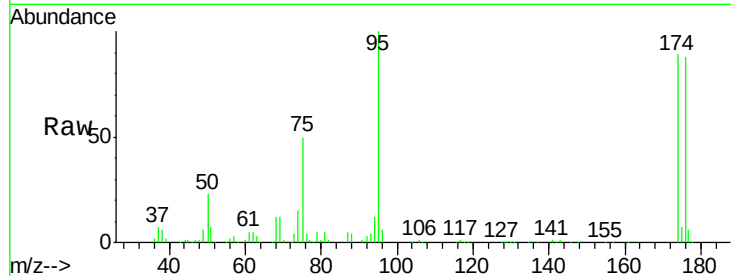
Tot Ion: 95 Resp: 382551

Ion Ratio Lower Upper

95 100

174 89.0 0.0 170.2

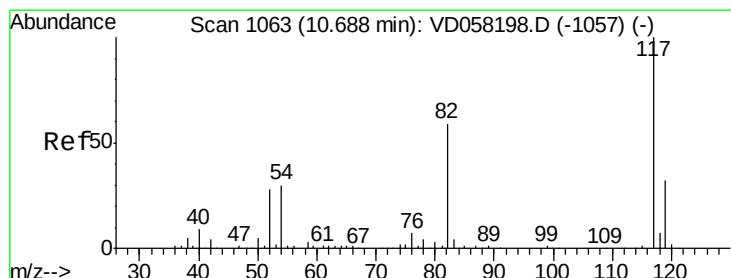
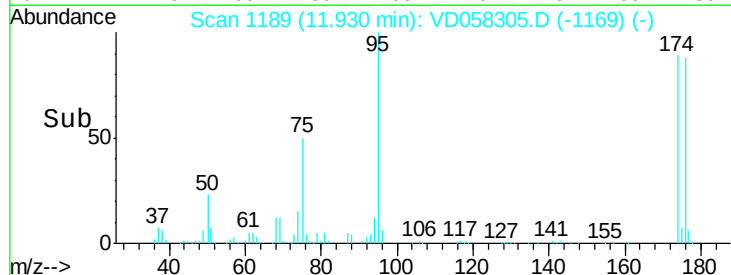
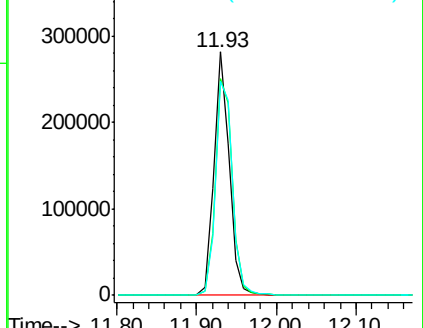
176 88.2 0.0 164.6



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: VD058305.D

Acq: 22 Jun 2018 19:19

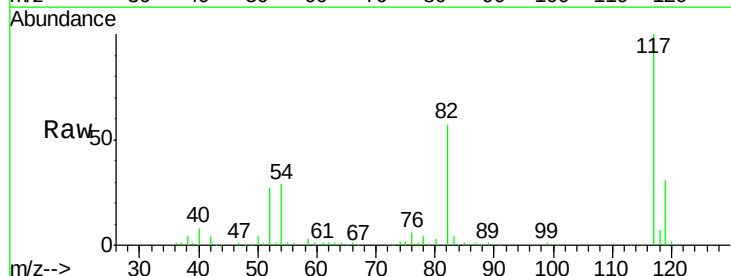
Tgt Ion: 117 Resp: 731219

Ion Ratio Lower Upper

117 100

82 57.5 47.0 70.6

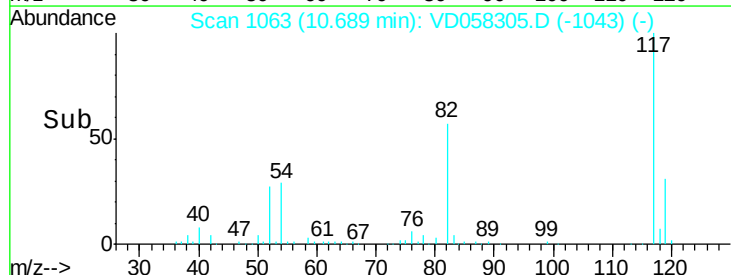
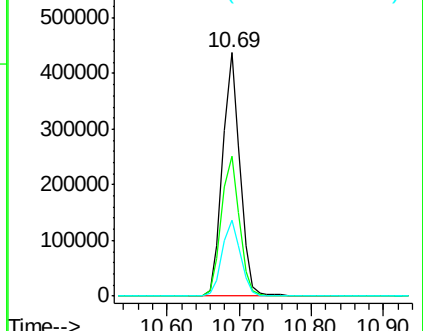
119 31.1 25.3 37.9

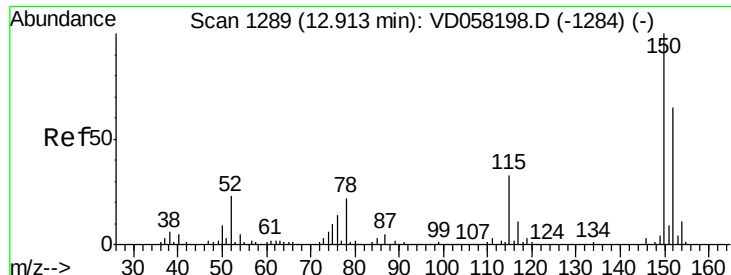


Abundance Ion 116.95 (116.65 to 117.65): V

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: VD058305.D

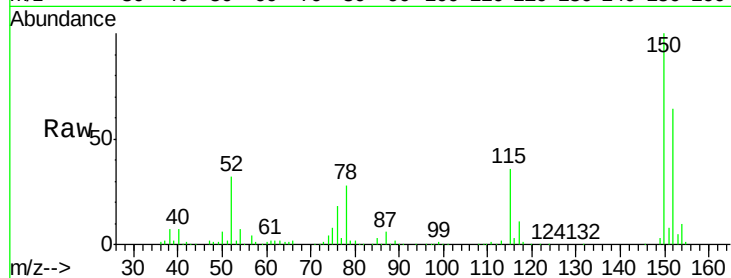
Acq: 22 Jun 2018 19:19

Instrument :

MSVOA_D

ClientSampleId :

WP021SB470-10-12-180618



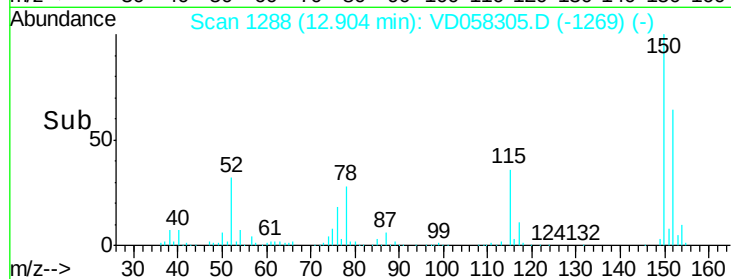
Tot Ion:152 Resp: 408716

Ion Ratio Lower Upper

152 100

115 56.0 25.1 75.3

150 156.0 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

