

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD062918\
 Data File : VD059500.D
 Acq On : 29 Jun 2018 19:12
 Operator : VA/AP
 Sample : J3761-02
 Misc : 6.72g/5ml/MSVOA D/SOIL
 ALS Vial : 18 Sample Multiplier: 1

Quant Time: Jun 30 01:53:15 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D062518S.M
 Quant Title : SW846 8260
 QLast Update : Mon Jun 25 07:29:35 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.63	168	601061	50.00	ug/l	-0.03
34) 1,4-Difluorobenzene	6.68	114	765104	50.00	ug/l	-0.02
63) Chlorobenzene-d5	10.69	117	610492	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.90	152	343004	50.00	ug/l	0.00

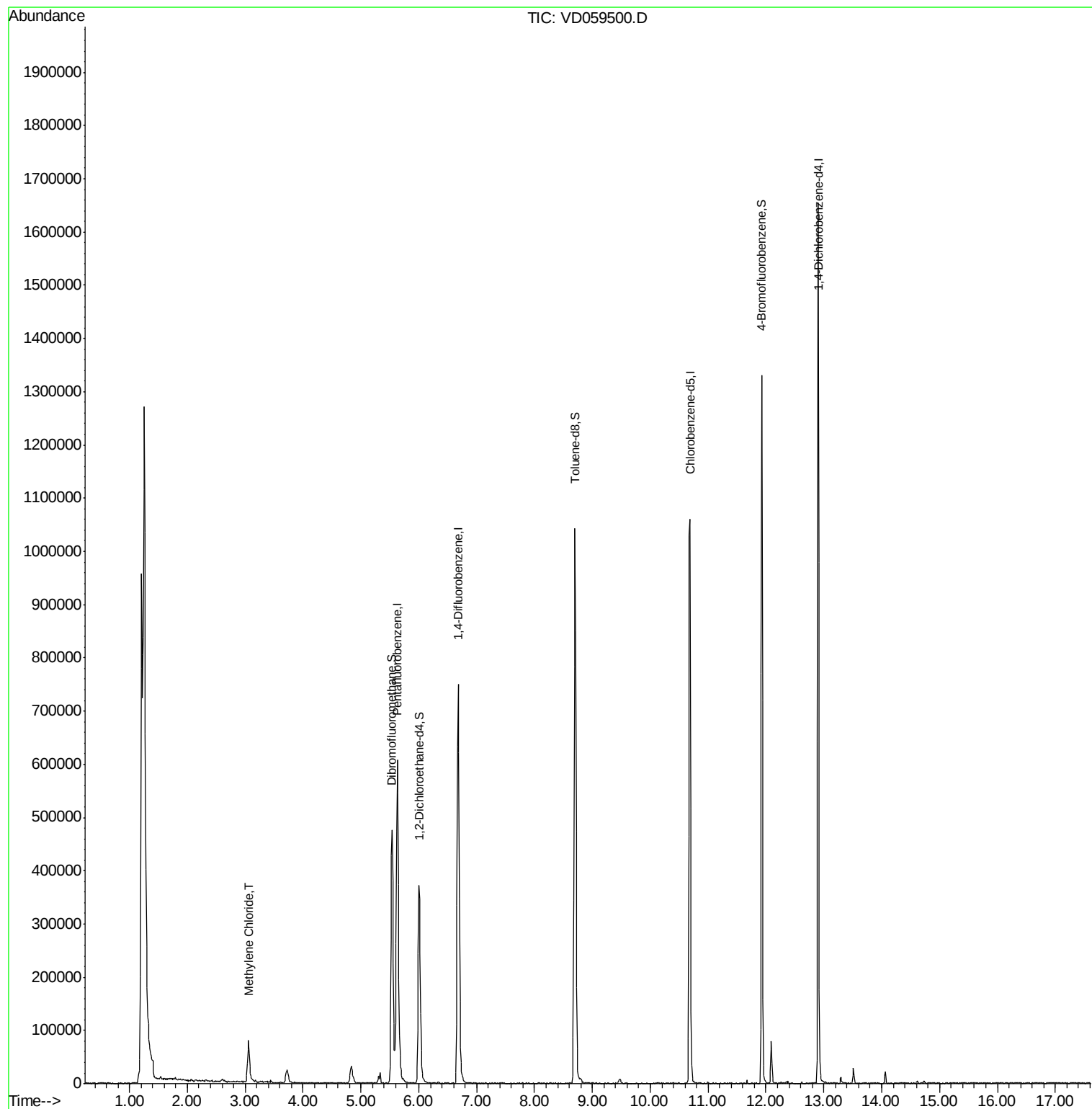
System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	6.00	65	358699	58.36	ug/l	-0.03
Spiked Amount				50.000		
			Recovery	=	116.72%	
35) Dibromofluoromethane	5.54	113	374495	60.09	ug/l	-0.02
Spiked Amount				50.000		
			Recovery	=	120.18%	
50) Toluene-d8	8.70	98	811951	55.73	ug/l	-0.02
Spiked Amount				50.000		
			Recovery	=	111.46%	
62) 4-Bromofluorobenzene	11.93	95	337098	55.63	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	111.26%	

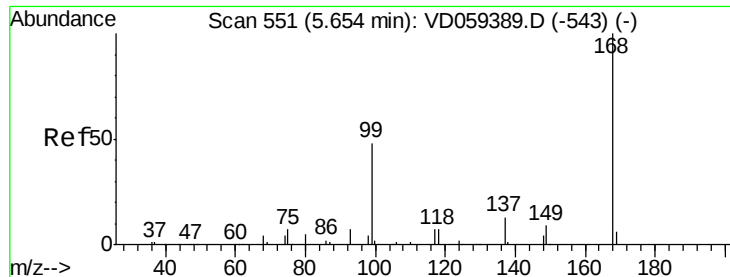
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
20) Methylene Chloride	3.06	84	32905	13.47	ug/l	90

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

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#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 5.63 min Scan# 549

Delta R.T. -0.03 min

Lab File: VD059500.D

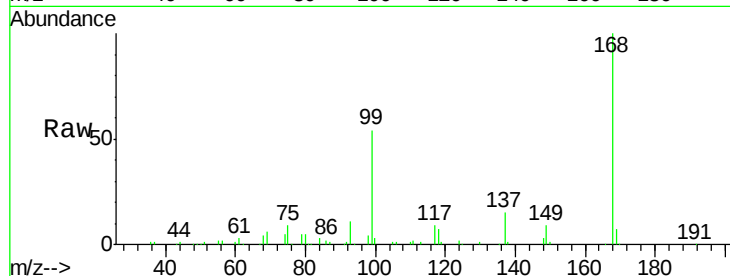
Acq: 29 Jun 2018 19:12

Tot Ion:168 Resp: 601061

Ion Ratio Lower Upper

168 100

99 54.0 41.0 61.6



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.95 (98.65 to 99.65): VDC

5.63

250000

200000

150000

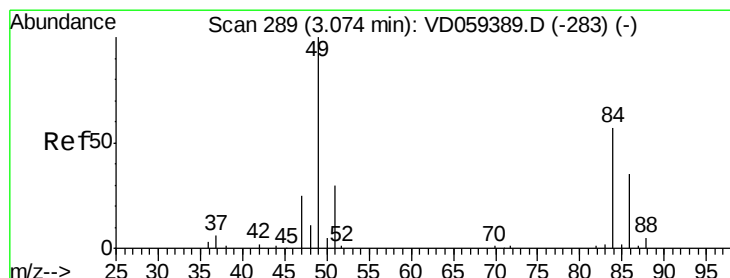
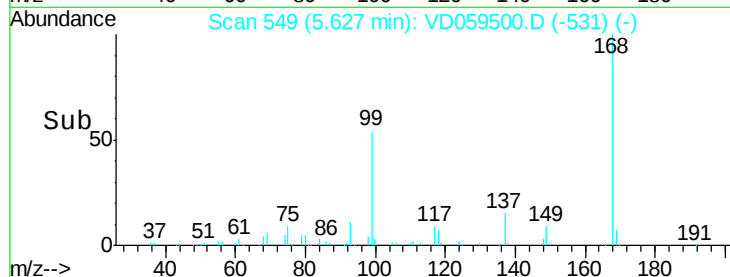
100000

50000

0

Time-->

5.50 5.60 5.70 5.80



#20

Methylene Chloride

Concen: 13.47 ug/l

RT: 3.06 min Scan# 288

Delta R.T. -0.02 min

Lab File: VD059500.D

Acq: 29 Jun 2018 19:12

Tgt Ion: 84 Resp: 32905

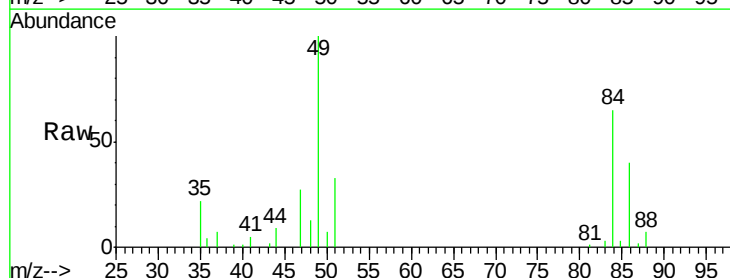
Ion Ratio Lower Upper

84 100

49 152.8 140.3 210.5

51 50.7 41.6 62.4

86 61.7 49.4 74.2



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

30000

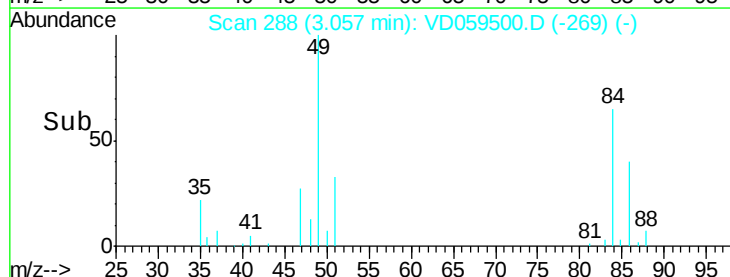
20000

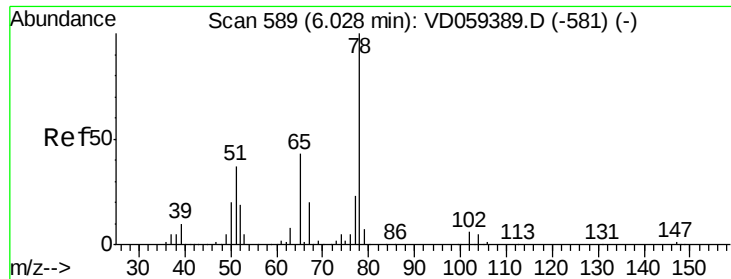
10000

0

Time-->

3.00 3.10





#33

1,2-Dichloroethane-d4

Concen: N.D. ug/l

RT: 6.00 min Scan# 587

Delta R.T. -0.03 min

Lab File: VD059500.D

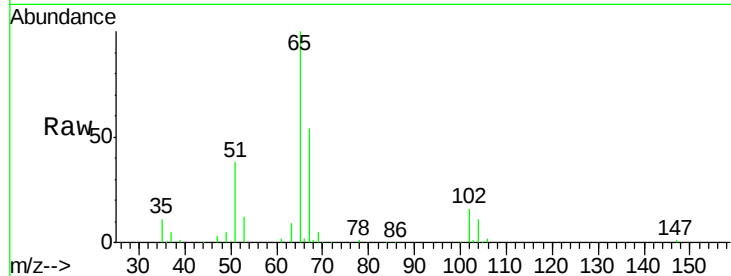
Acq: 29 Jun 2018 19:12

Tot Ion: 65 Resp: 358699

Ion Ratio Lower Upper

65 100

67 54.2 0.0 93.8



Abundance Ion 64.95 (64.65 to 65.65): VDC

Ion 66.90 (66.60 to 67.60): VDC

6.00

150000

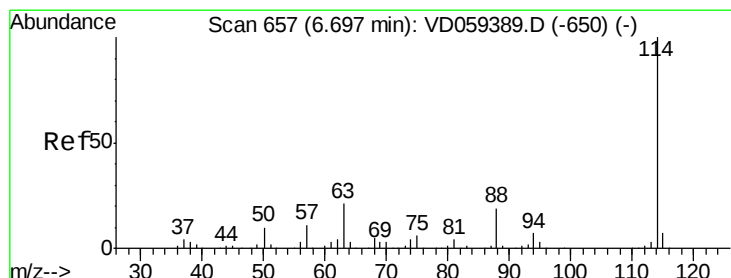
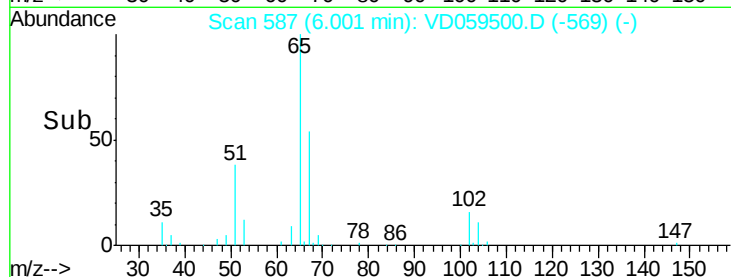
100000

50000

0

Time-->

5.90 6.00 6.10 6.20



#34

1,4-Difluorobenzene

Concen: 50.00 ug/l

RT: 6.68 min Scan# 656

Delta R.T. -0.02 min

Lab File: VD059500.D

Acq: 29 Jun 2018 19:12

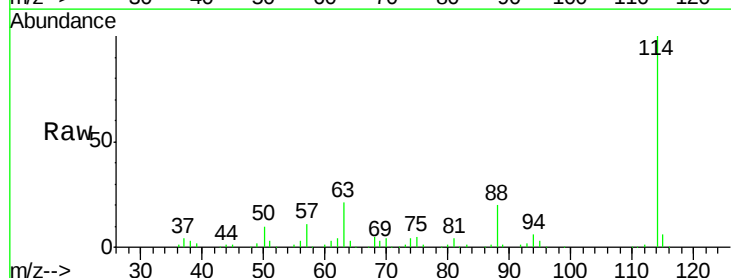
Tgt Ion: 114 Resp: 765104

Ion Ratio Lower Upper

114 100

63 21.2 0.0 42.4

88 20.2 0.0 38.0



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

6.68

400000

300000

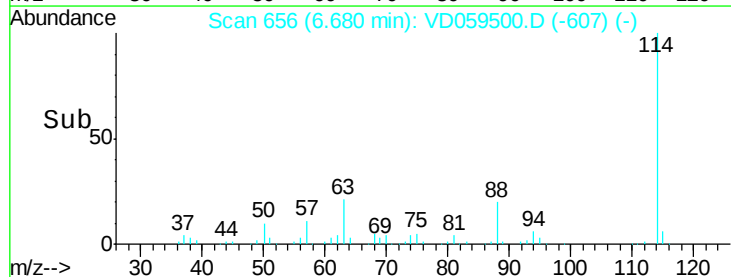
200000

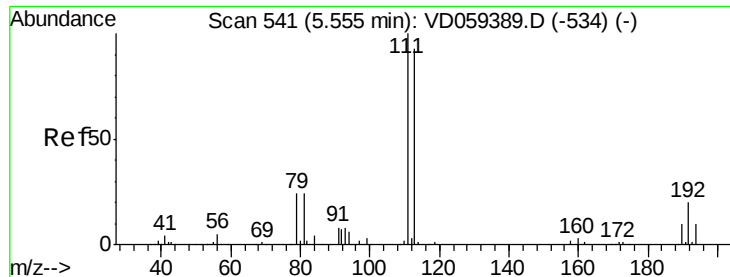
100000

0

Time-->

6.60 6.70 6.80





#35

Dibromofluoromethane

Concen: 50.00 ug/l

RT: 5.54 min Scan# 540

Delta R.T. -0.02 min

Lab File: VD059500.D

Acq: 29 Jun 2018 19:12

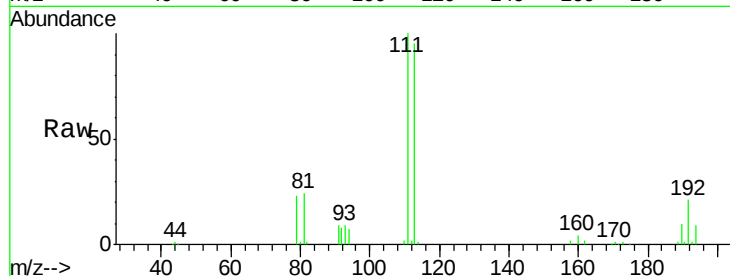
Tot Ion:113 Resp: 374495

Ion Ratio Lower Upper

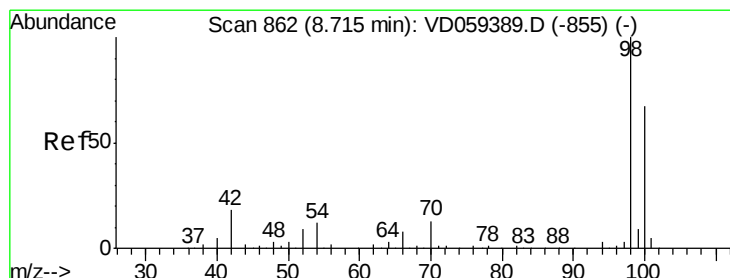
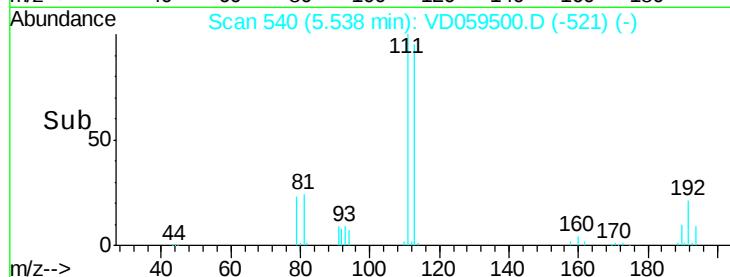
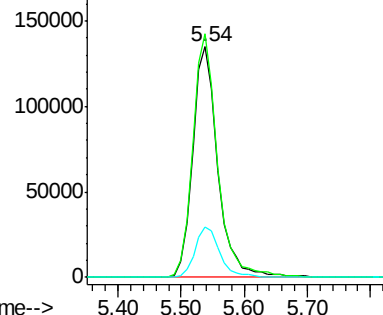
113 100

111 105.6 85.7 128.5

192 22.0 16.9 25.3



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. -0.02 min

Lab File: VD059500.D

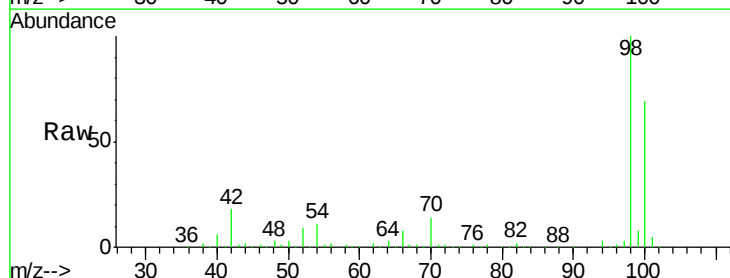
Acq: 29 Jun 2018 19:12

Tgt Ion: 98 Resp: 811951

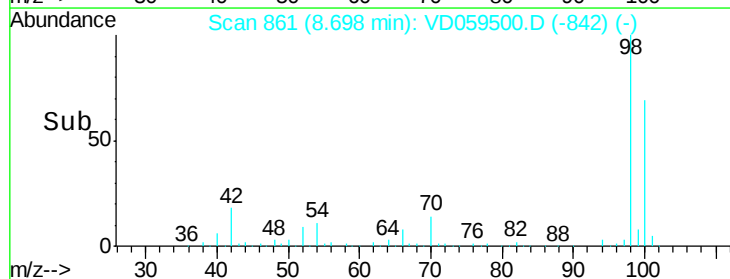
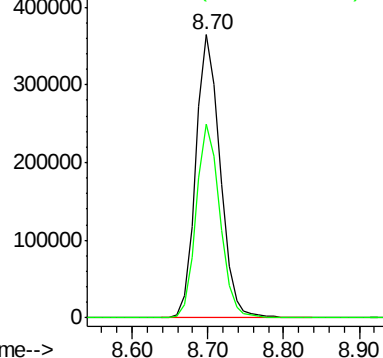
Ion Ratio Lower Upper

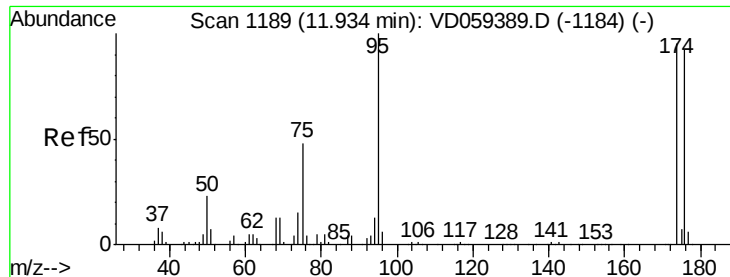
98 100

100 68.6 54.4 81.6



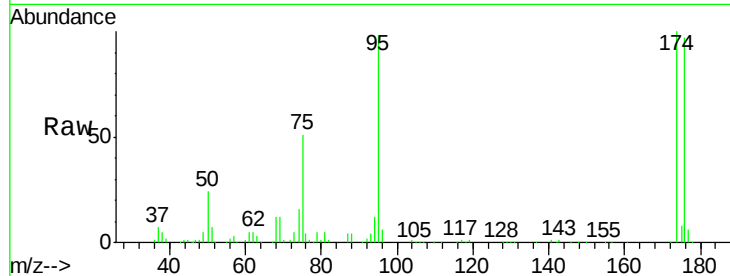
Abundance Ion 98.05 (97.75 to 98.75): V
Ion 100.05 (99.75 to 100.75): V



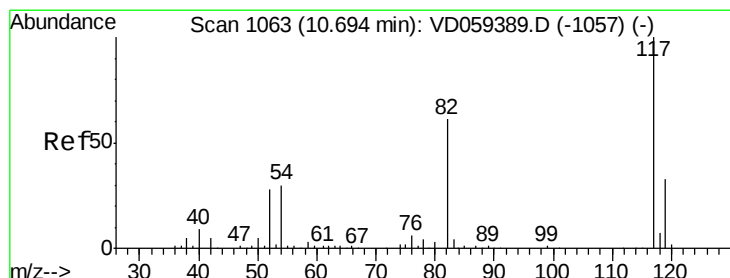
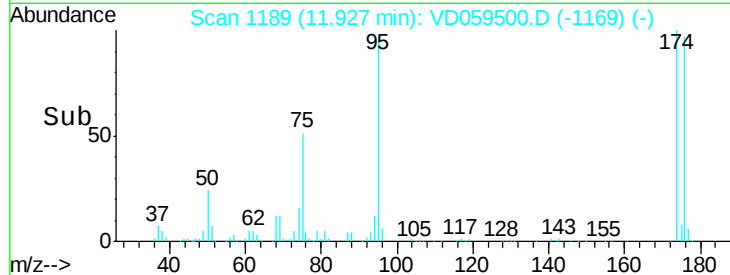
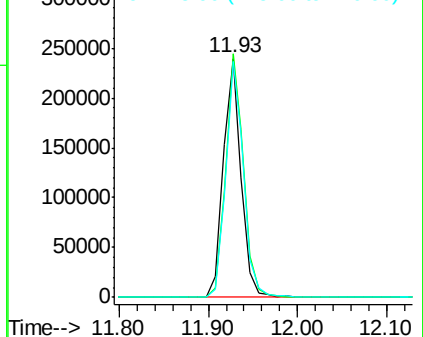


#62
4-Bromofluorobenzene
Concen: N.D. ug/l
RT: 11.93 min Scan# 1189
Delta R.T. -0.01 min
Lab File: VD059500.D
Acq: 29 Jun 2018 19:12

Tot Ion: 95 Resp: 337098
Ion Ratio Lower Upper
95 100
174 101.8 0.0 190.4
176 98.5 0.0 183.2

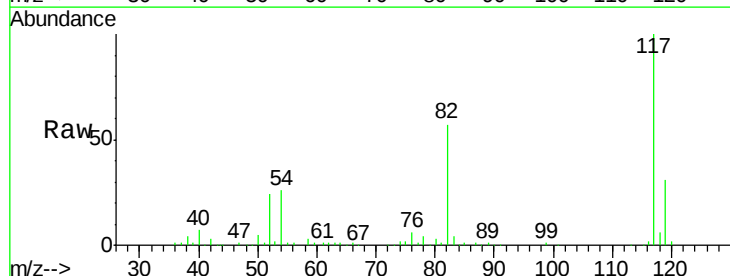


Abundance Ion 95.00 (94.70 to 95.70): V
Ion 173.90 (173.60 to 174.60): V
Ion 175.90 (175.60 to 176.60): V

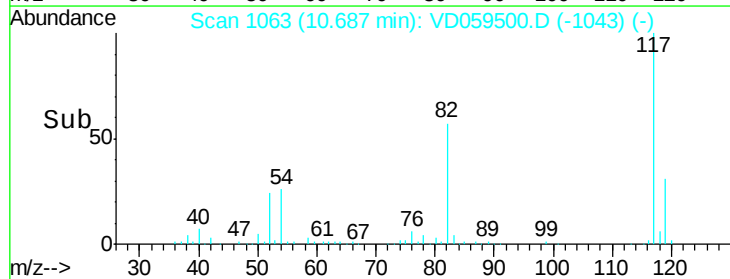
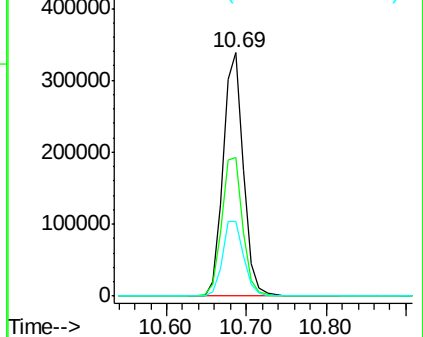


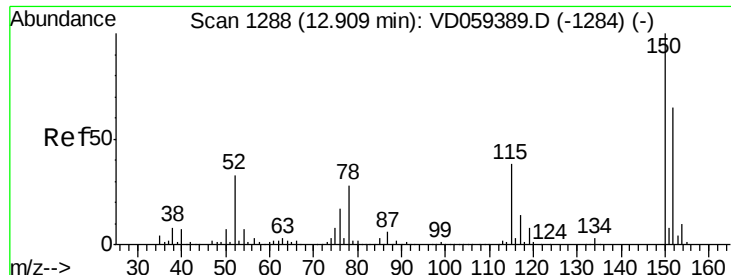
#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 10.69 min Scan# 1063
Delta R.T. -0.01 min
Lab File: VD059500.D
Acq: 29 Jun 2018 19:12

Tgt Ion: 117 Resp: 610492
Ion Ratio Lower Upper
117 100
82 56.7 49.0 73.6
119 30.5 26.2 39.4



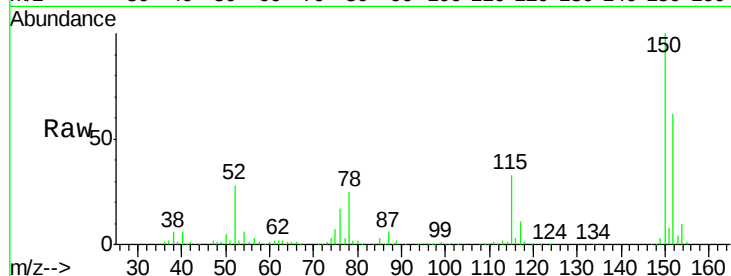
Abundance Ion 116.95 (116.65 to 117.65): V
Ion 82.05 (81.75 to 82.75): V
Ion 118.95 (118.65 to 119.65): V





#72
 1,4-Dichlorobenzene-d4
 Concen: 50.00 ug/l
 RT: 12.90 min Scan# 1288
 Delta R.T. -0.01 min
 Lab File: VD059500.D
 Acq: 29 Jun 2018 19:12

Tot Ion	Ratio	Lower	Upper
152	100		
115	53.2	29.4	88.3
150	161.3	0.0	308.2



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

