

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD062118\
 Data File : VD058265.D
 Acq On : 21 Jun 2018 21:15
 Operator : VA/AP
 Sample : J3603-17RE
 Misc : 3.83g/5ml/MSVOA D/SOIL
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 26KV-TP-8RE

Quant Time: Jun 22 07:23:30 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	510486	50.00	ug/l	0.01
34) 1,4-Difluorobenzene	6.69	114	630674	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.69	117	345180	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.91	152	75519	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	291856	56.60	ug/l	0.01
Spiked Amount			Recovery	=	113.20%	
35) Dibromofluoromethane	5.55	113	319482	62.24	ug/l	0.00
Spiked Amount			Recovery	=	124.48%	
50) Toluene-d8	8.71	98	598761	48.22	ug/l	0.00
Spiked Amount			Recovery	=	96.44%	
62) 4-Bromofluorobenzene	11.93	95	118583	23.38	ug/l	0.00
Spiked Amount			Recovery	=	46.76%	

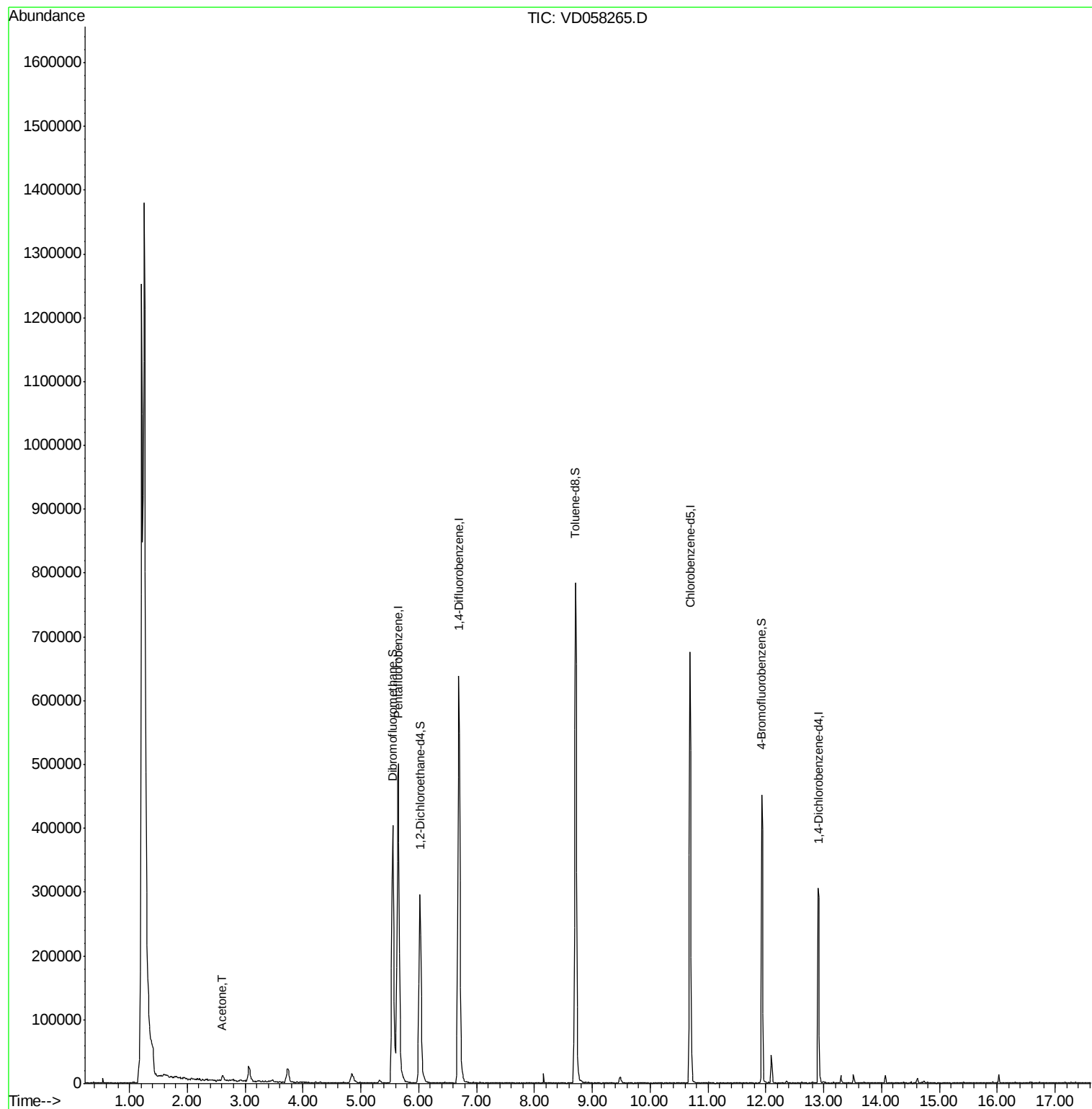
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
16) Acetone	2.61	43	20139	28.56	ug/l	# 82

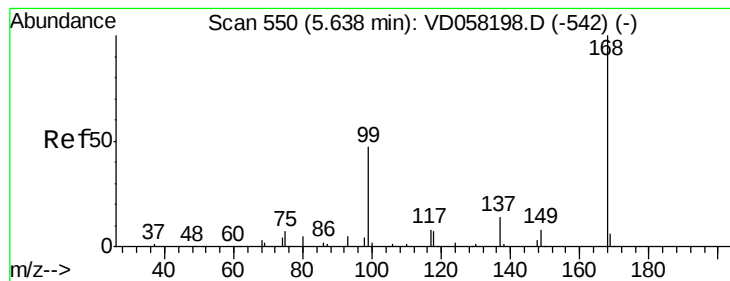
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: VD058265.D

Acq: 21 Jun 2018 21:15

Instrument :

MSVOA_D

ClientSampleId :

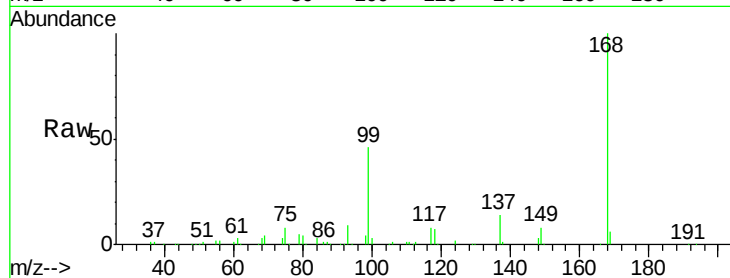
26KV-TP-8RE

Tot Ion:168 Resp: 510486

Ion Ratio Lower Upper

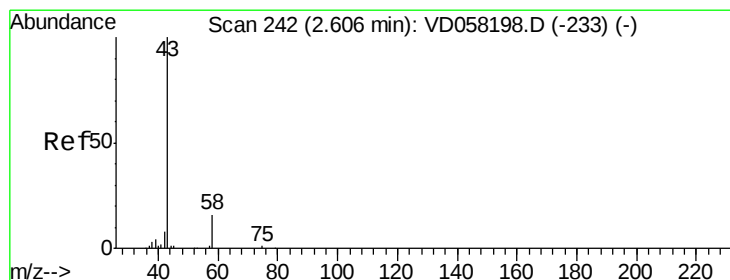
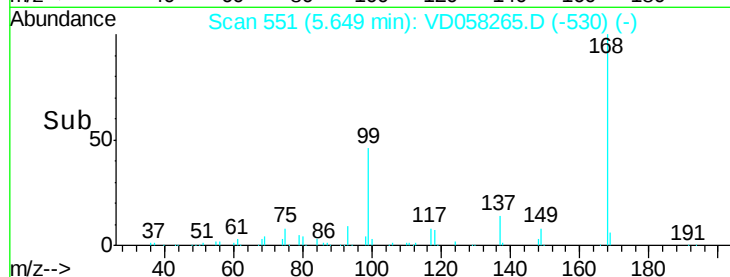
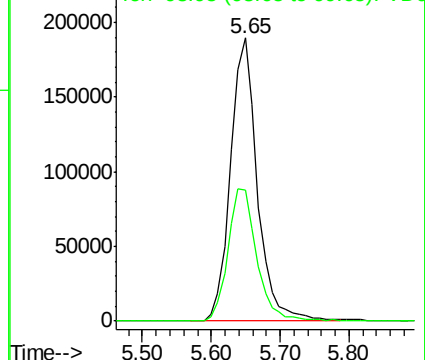
168 100

99 46.2 41.1 61.7



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.95 (98.65 to 99.65): VDC



#16

Acetone

Concen: 28.56 ug/l

RT: 2.61 min Scan# 242

Delta R.T. 0.00 min

Lab File: VD058265.D

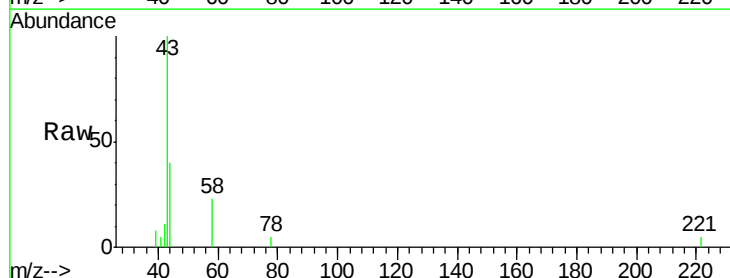
Acq: 21 Jun 2018 21:15

Tgt Ion: 43 Resp: 20139

Ion Ratio Lower Upper

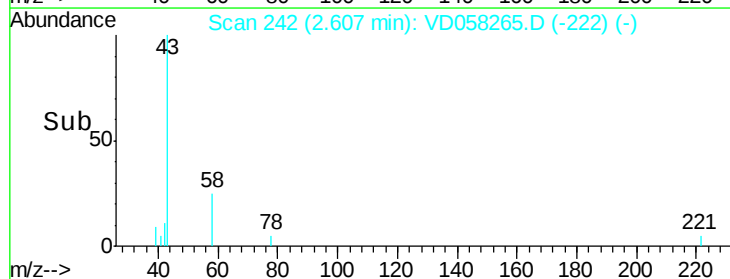
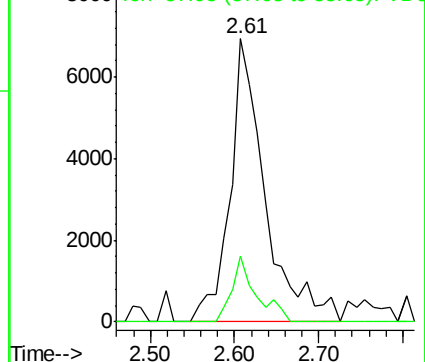
43 100

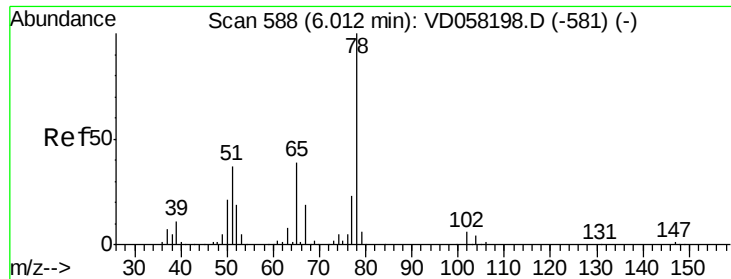
58 23.4 12.7 19.1#



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 57.95 (57.65 to 58.65): VDC





#33

1,2-Dichloroethane-d4

Concen: Below ug/l

RT: 6.02 min Scan# 589

Delta R.T. 0.01 min

Lab File: VD058265.D

Acq: 21 Jun 2018 21:15

Instrument :

MSVOA_D

ClientSampleId :

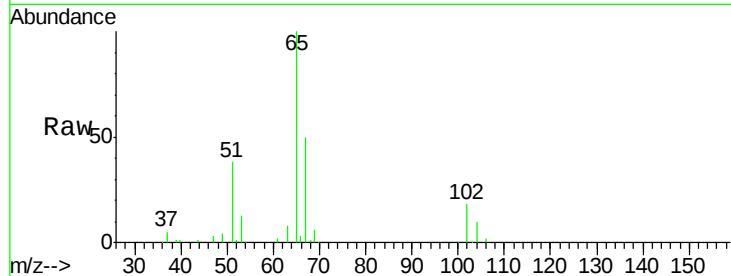
26KV-TP-8RE

Tot Ion: 65 Resp: 291856

Ion Ratio Lower Upper

65 100

67 49.9 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

120000

100000

80000

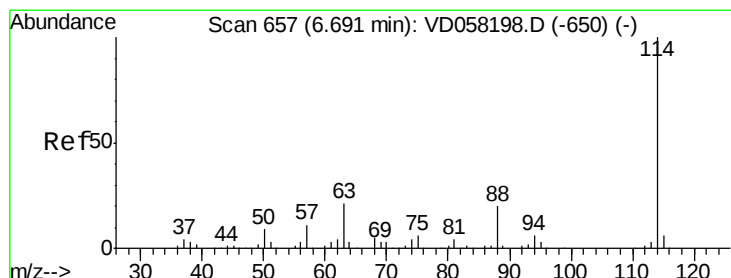
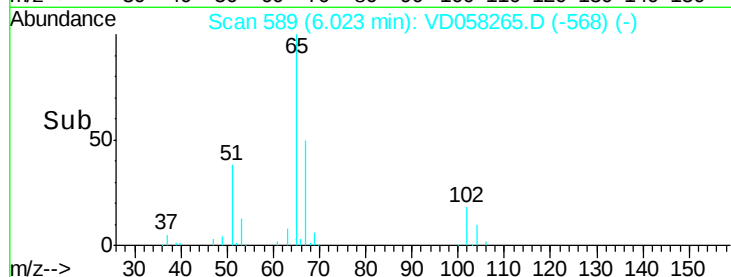
60000

40000

20000

0

Time-->



#34

1,4-Difluorobenzene

Concen: 50.00 ug/l

RT: 6.69 min Scan# 657

Delta R.T. 0.00 min

Lab File: VD058265.D

Acq: 21 Jun 2018 21:15

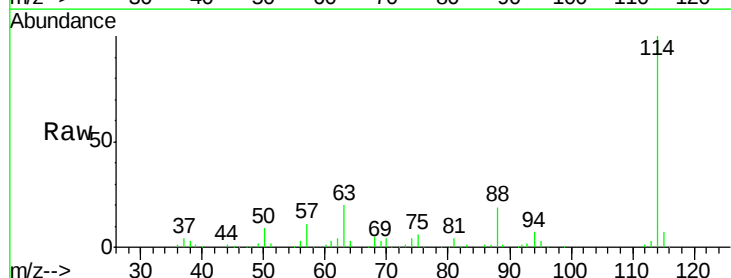
Tgt Ion: 114 Resp: 630674

Ion Ratio Lower Upper

114 100

63 20.1 0.0 42.6

88 19.2 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

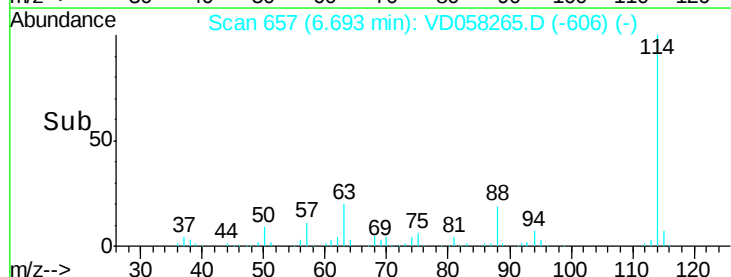
300000

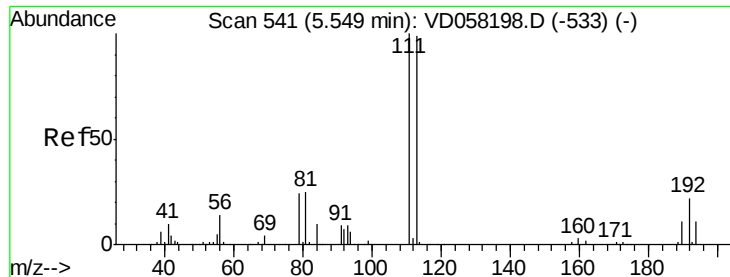
200000

100000

0

Time-->





#35

Dibromofluoromethane

Concen: 50.00 ug/l

RT: 5.55 min Scan# 541

Delta R.T. 0.00 min

Lab File: VD058265.D

Acq: 21 Jun 2018 21:15

Instrument :

MSVOA_D

ClientSampleId :

26KV-TP-8RE

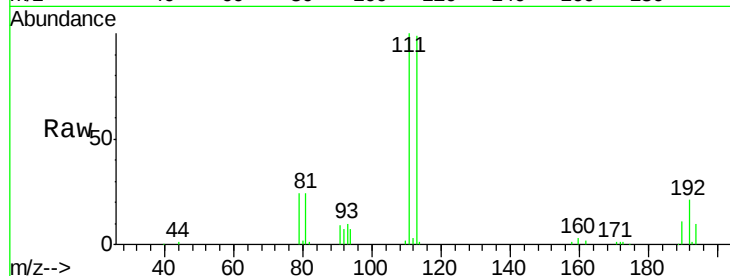
Tot Ion:113 Resp: 319482

Ion Ratio Lower Upper

113 100

111 100.7 80.6 121.0

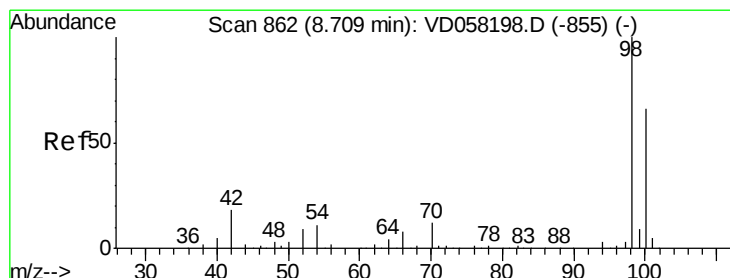
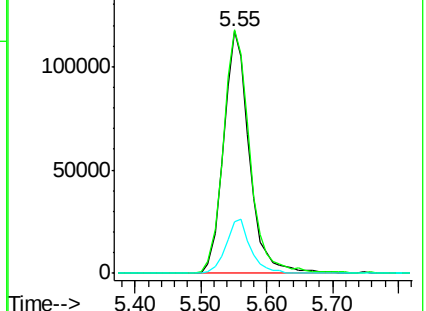
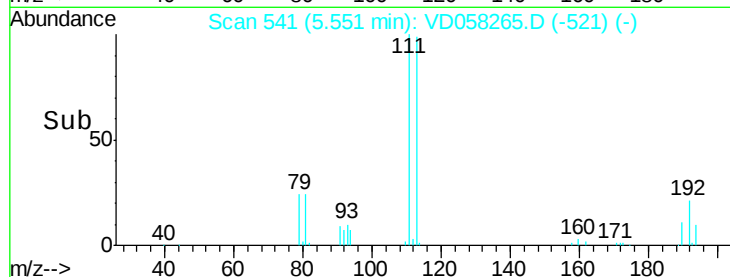
192 21.5 17.8 26.6



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: VD058265.D

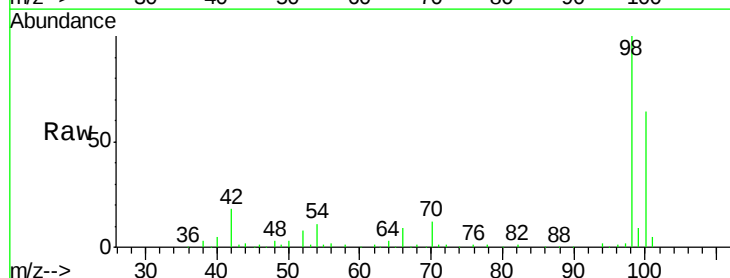
Acq: 21 Jun 2018 21:15

Tgt Ion: 98 Resp: 598761

Ion Ratio Lower Upper

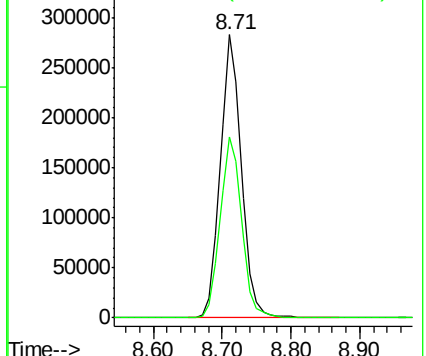
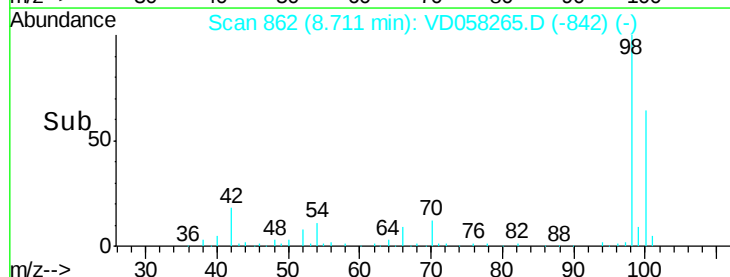
98 100

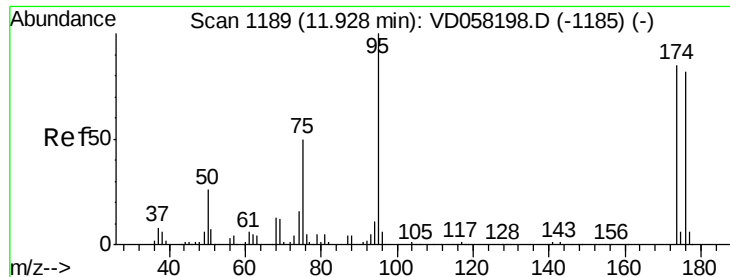
100 63.8 53.6 80.4



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: VD058265.D

Acq: 21 Jun 2018 21:15

Instrument :

MSVOA_D

ClientSampleId :

26KV-TP-8RE

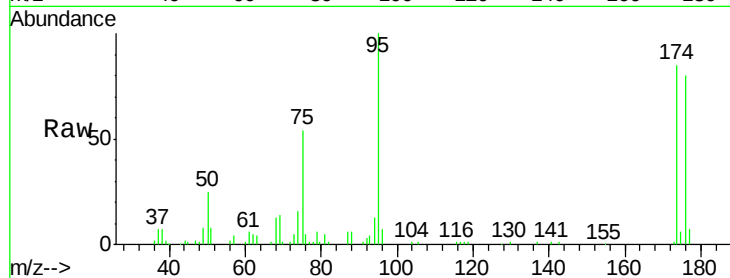
Tot Ion: 95 Resp: 118583

Ion Ratio Lower Upper

95 100

174 85.0 0.0 170.2

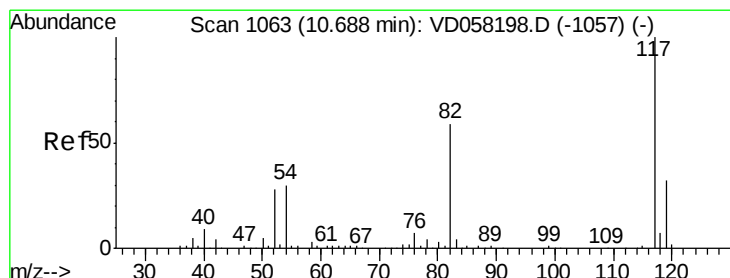
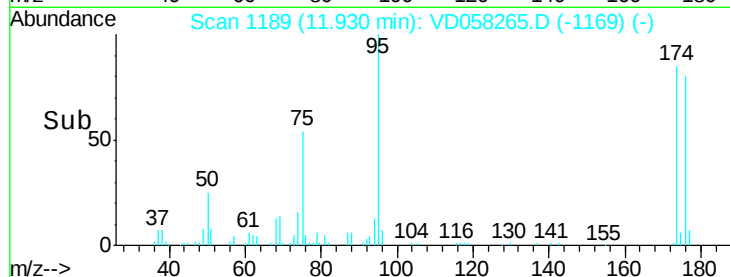
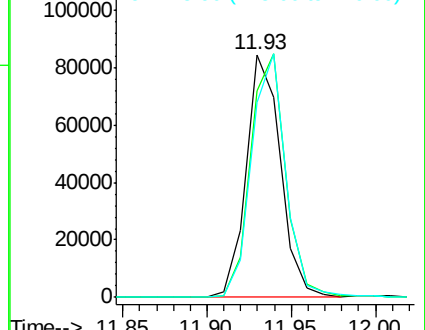
176 80.4 0.0 164.6



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: VD058265.D

Acq: 21 Jun 2018 21:15

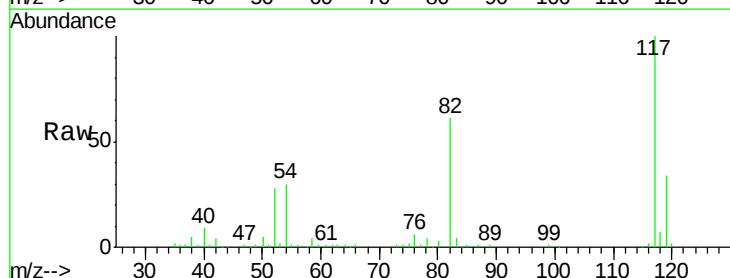
Tgt Ion: 117 Resp: 345180

Ion Ratio Lower Upper

117 100

82 61.1 47.0 70.6

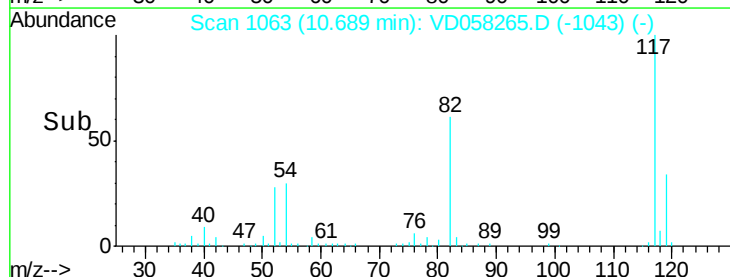
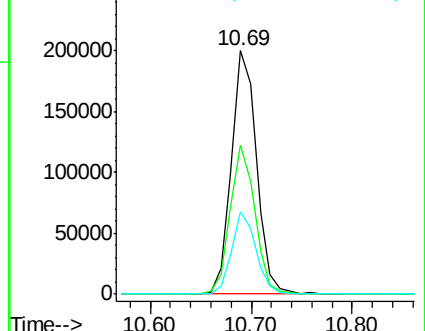
119 34.0 25.3 37.9

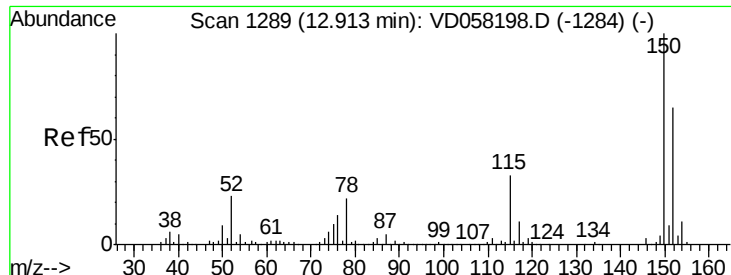


Abundance Ion 116.95 (116.65 to 117.65): V

Ion 82.05 (81.75 to 82.75): V

Ion 118.95 (118.65 to 119.65): V

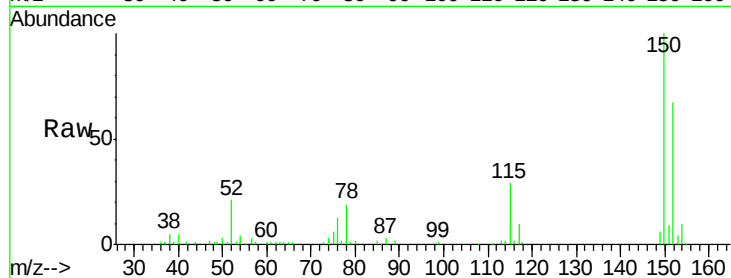




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.00 ug/l
 RT: 12.91 min Scan# 1289
 Delta R.T. 0.00 min
 Lab File: VD058265.D
 Acq: 21 Jun 2018 21:15

Instrument :
 MSVOA_D
 ClientSampleId :
 26KV-TP-8RE

Tot Ion:152 Resp: 75519
 Ion Ratio Lower Upper
 152 100
 115 43.8 25.1 75.3
 150 150.0 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

