

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD062118\
 Data File : VD058262.D
 Acq On : 21 Jun 2018 19:50
 Operator : VA/AP
 Sample : J3603-11RE
 Misc : 5.99g/5ml/MSVOA D/SOIL
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 26KV-CSMRE

Quant Time: Jun 22 07:14:46 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

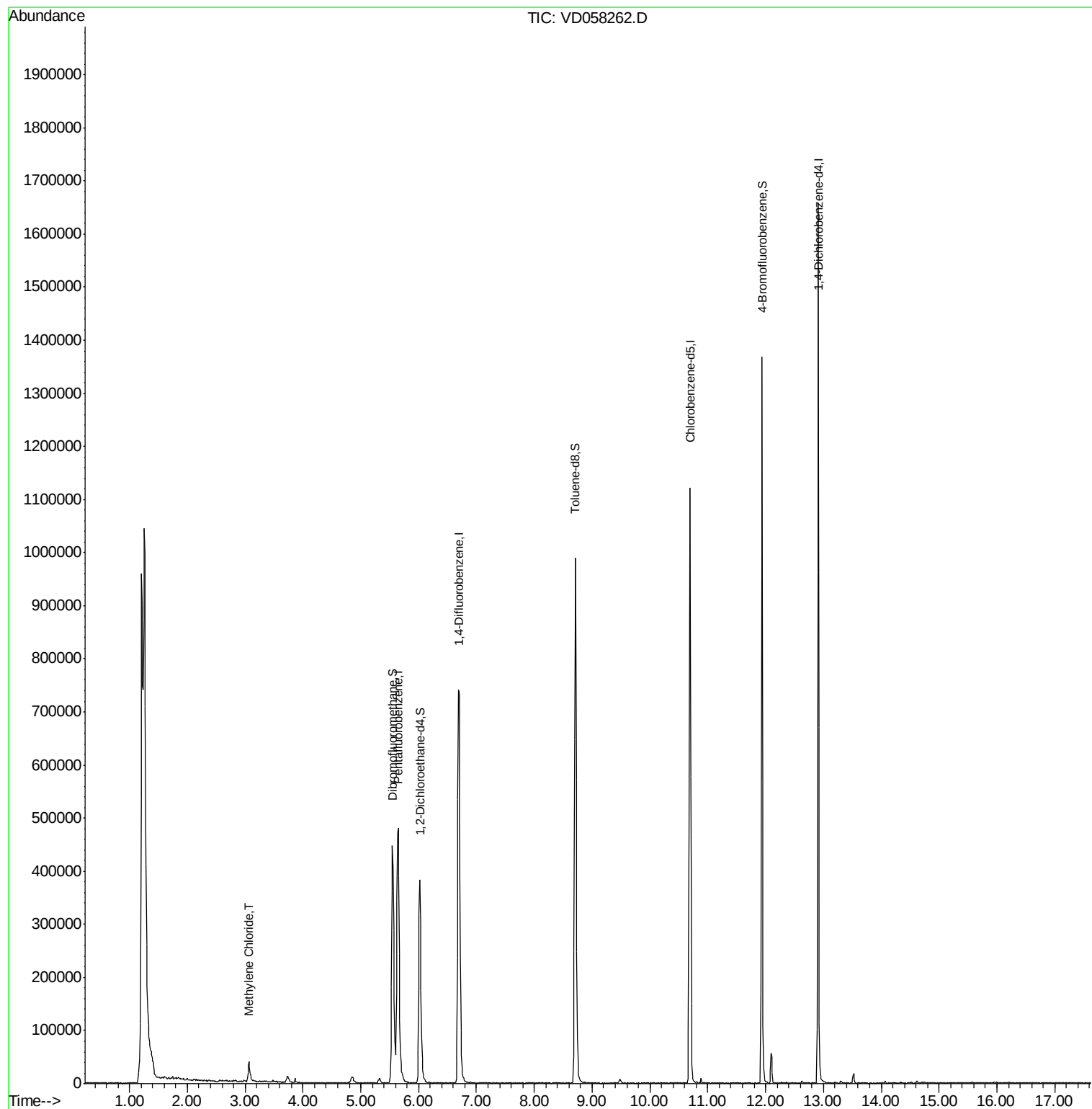
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.65	168	514812	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.70	114	795039	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.70	117	650137	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.91	152	345662	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	6.02	65	359570	69.15	ug/l	0.00
Spiked Amount 50.000			Recovery	=	138.30%	
35) Dibromofluoromethane	5.55	113	360079	55.65	ug/l	0.00
Spiked Amount 50.000			Recovery	=	111.30%	
50) Toluene-d8	8.71	98	800665	51.14	ug/l	0.00
Spiked Amount 50.000			Recovery	=	102.28%	
62) 4-Bromofluorobenzene	11.94	95	358614	56.08	ug/l	0.00
Spiked Amount 50.000			Recovery	=	112.16%	
Target Compounds						
20) Methylene Chloride	3.07	84	18448	5.72	ug/l	Qvalue 92

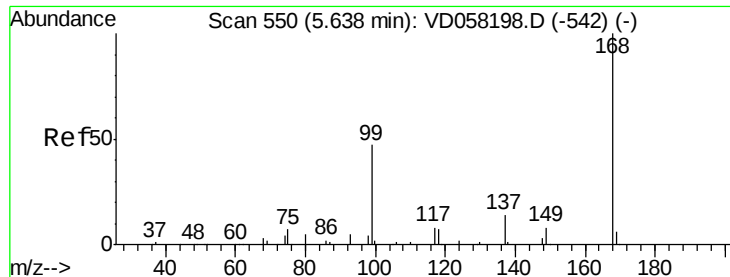
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 5.65 min Scan# 551

Delta R.T. 0.01 min

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MSVOA_D

ClientSampleId :

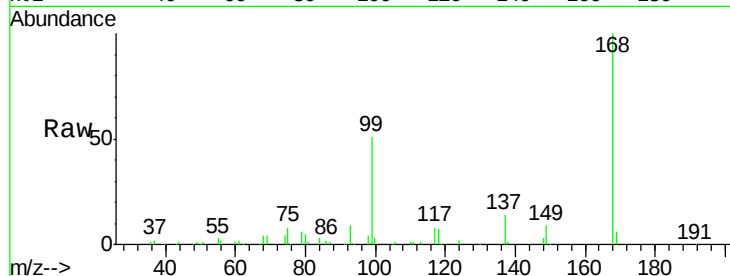
26KV-CSMRE

Tot Ion:168 Resp: 514812

Ion Ratio Lower Upper

168 100

99 51.1 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

200000

150000

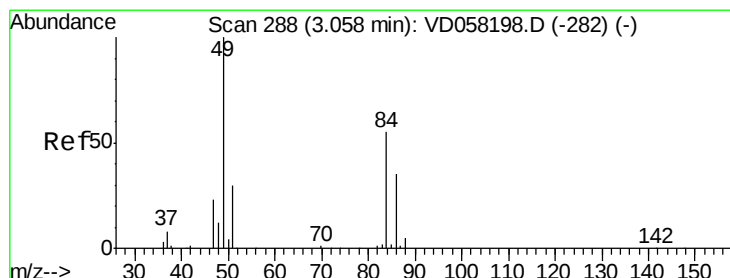
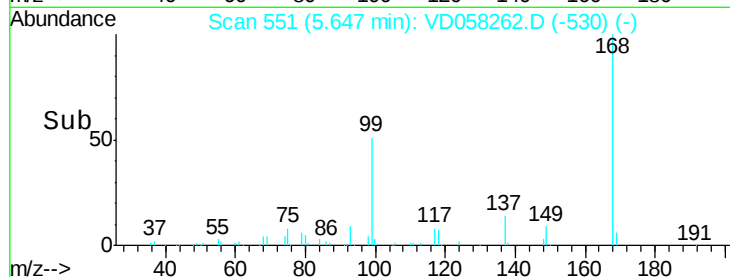
100000

50000

0

Time-->

5.50 5.60 5.70 5.80



#20

Methylene Chloride

Concen: 5.72 ug/l

RT: 3.07 min Scan# 289

Delta R.T. 0.01 min

Lab File: VD058262.D

Acq: 21 Jun 2018 19:50

Tgt Ion: 84 Resp: 18448

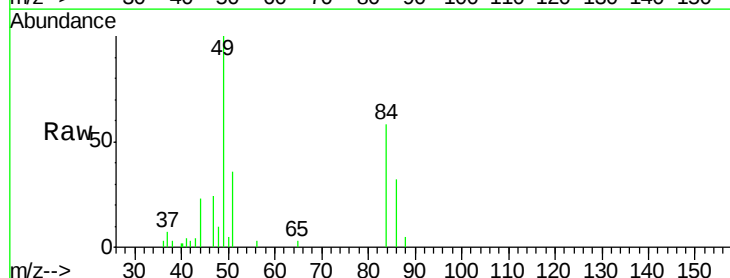
Ion Ratio Lower Upper

84 100

49 173.2 145.0 217.6

51 63.1 42.9 64.3

86 56.3 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

20000

15000

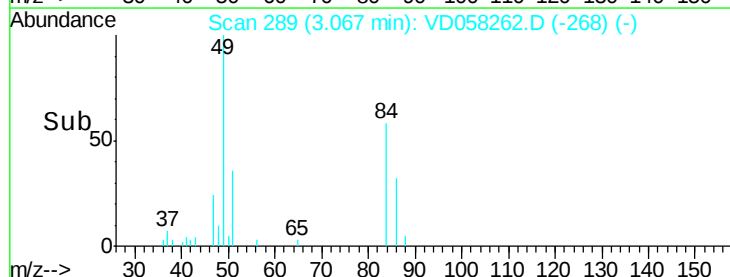
10000

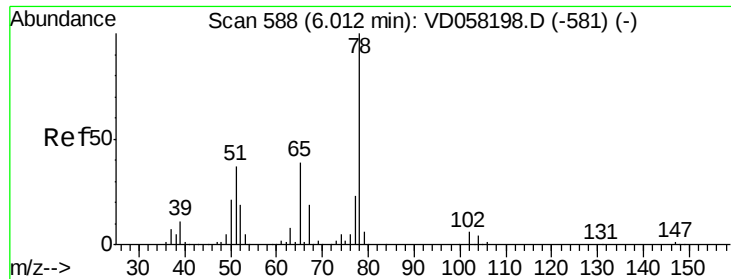
5000

0

Time-->

3.00 3.10 3.20

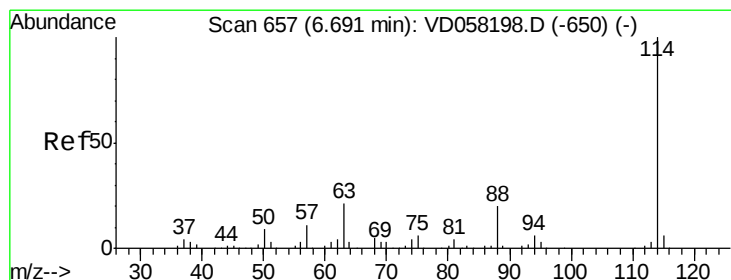
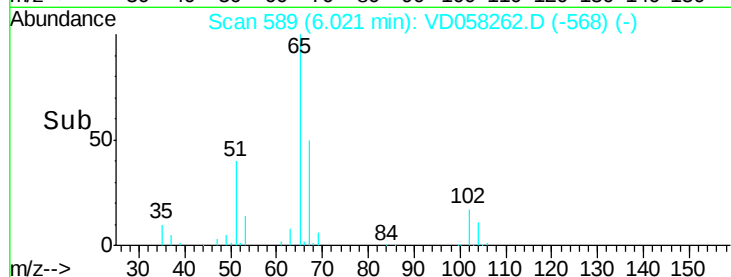
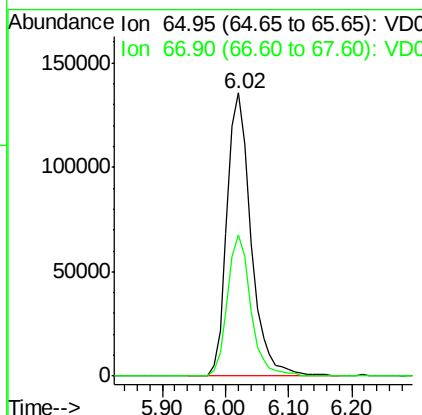
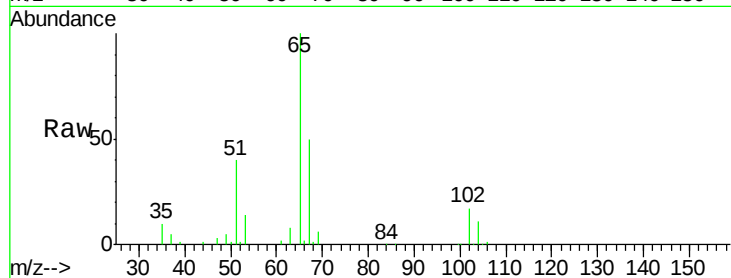




#33
 1,2-Dichloroethane-d4
 Concen: N.D. ug/l
 RT: 6.02 min Scan# 589
 Delta R.T. 0.01 min
 Lab File: VD058262.D
 Acq: 21 Jun 2018 19:50

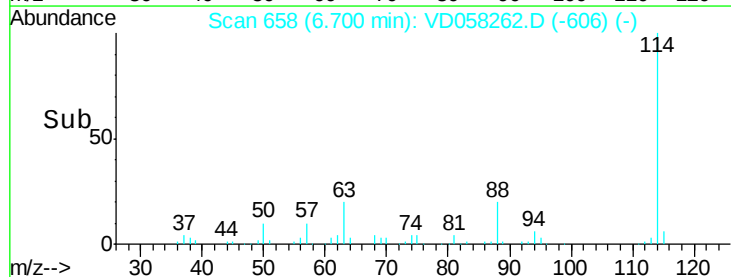
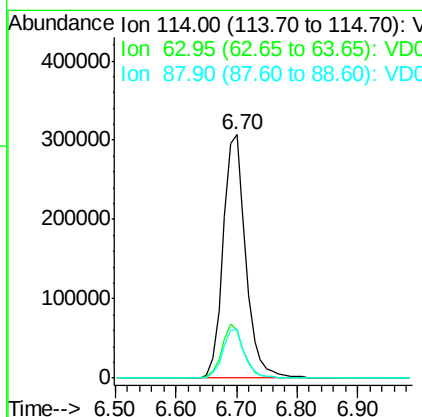
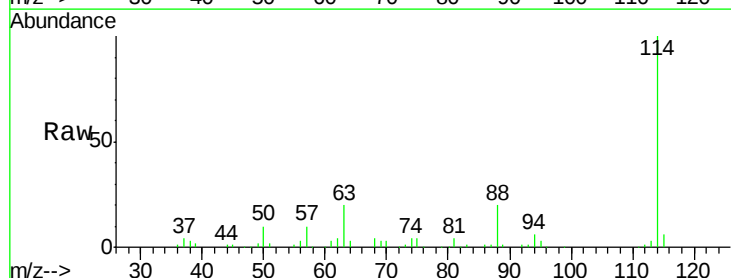
Instrument :
 MSVOA_D
 ClientSampleId :
 26KV-CSMRE

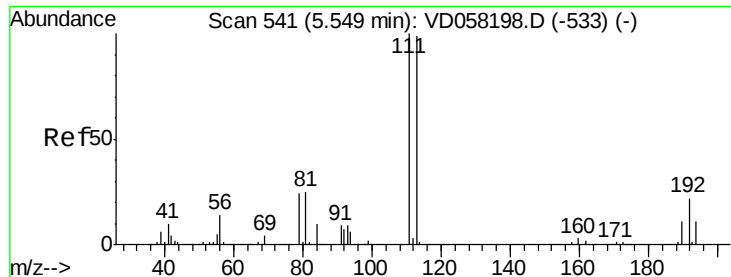
Tot Ion: 65 Resp: 359570
 Ion Ratio Lower Upper
 65 100
 67 50.1 0.0 97.8



#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 6.70 min Scan# 658
 Delta R.T. 0.01 min
 Lab File: VD058262.D
 Acq: 21 Jun 2018 19:50

Tgt Ion: 114 Resp: 795039
 Ion Ratio Lower Upper
 114 100
 63 19.5 0.0 42.6
 88 19.9 0.0 40.6





#35

Dibromofluoromethane

Concen: 50.00 ug/l

RT: 5.55 min Scan# 541

Delta R.T. -0.00 min

Lab File: VD058262.D

Acq: 21 Jun 2018 19:50

Instrument :

MSVOA_D

ClientSampleId :

26KV-CSMRE

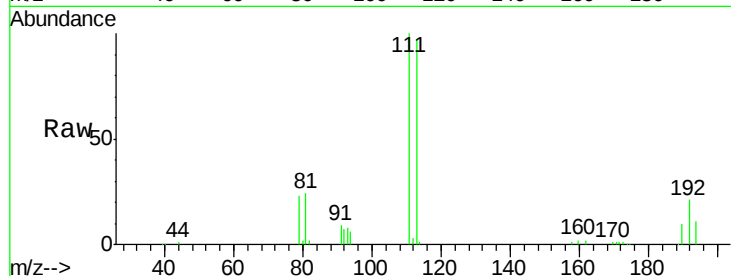
Tot Ion:113 Resp: 360079

Ion Ratio Lower Upper

113 100

111 102.9 80.6 121.0

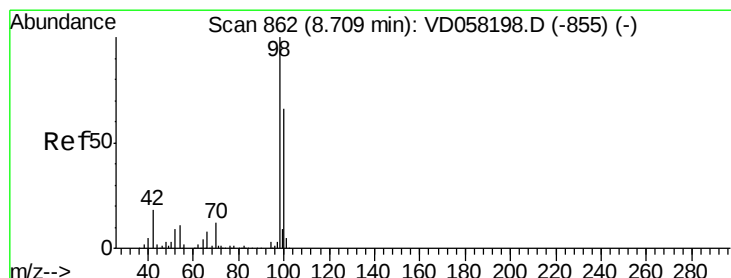
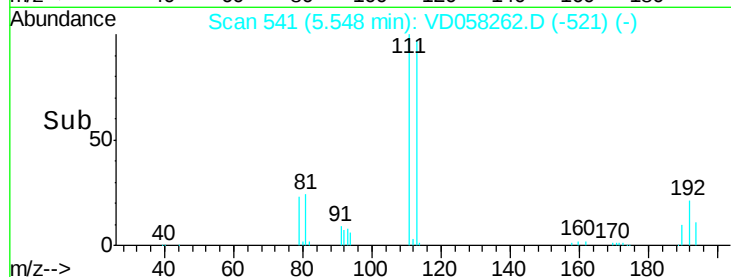
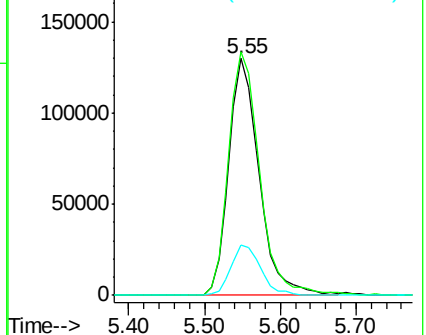
192 21.3 17.8 26.6



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: VD058262.D

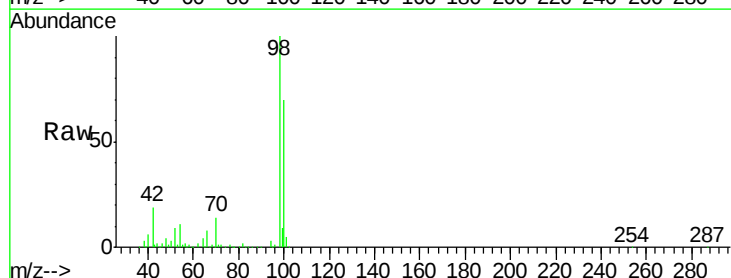
Acq: 21 Jun 2018 19:50

Tgt Ion: 98 Resp: 800665

Ion Ratio Lower Upper

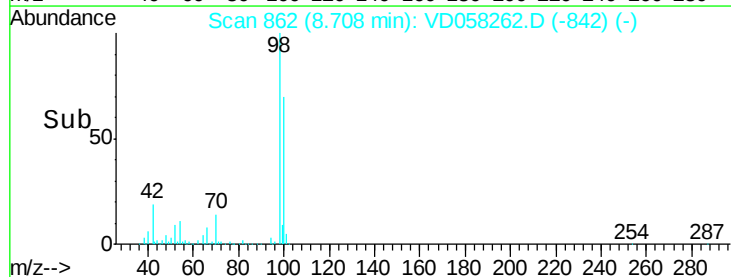
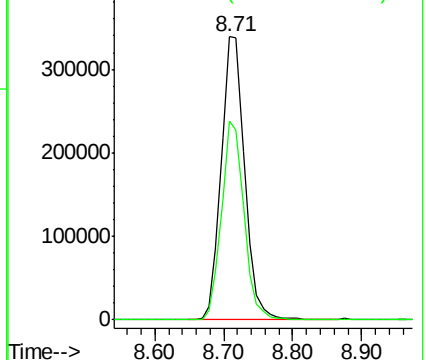
98 100

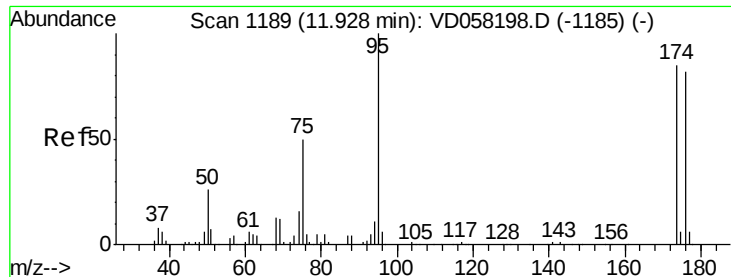
100 70.2 53.6 80.4



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: 11.94 min Scan# 1190

Delta R.T. 0.01 min

Lab File: VD058262.D

Acq: 21 Jun 2018 19:50

Instrument :

MSVOA_D

ClientSampleId :

26KV-CSMRE

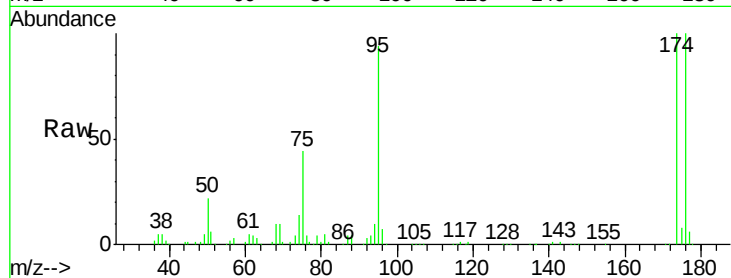
Tot Ion: 95 Resp: 358614

Ion Ratio Lower Upper

95 100

174 106.5 0.0 170.2

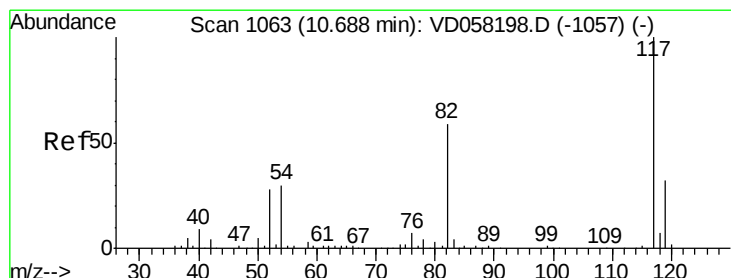
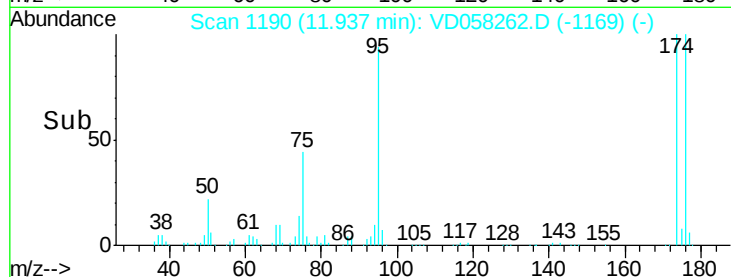
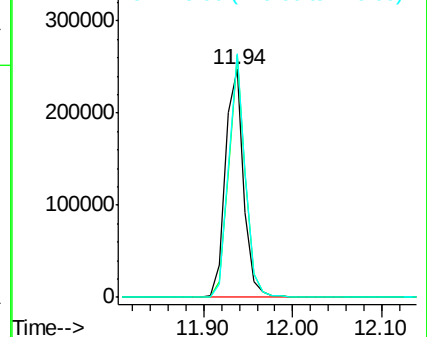
176 106.8 0.0 164.6



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: VD058262.D

Acq: 21 Jun 2018 19:50

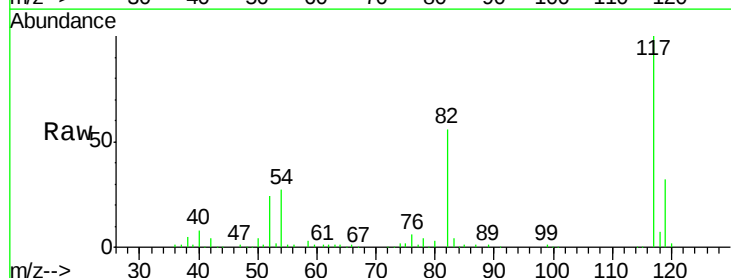
Tgt Ion: 117 Resp: 650137

Ion Ratio Lower Upper

117 100

82 55.5 47.0 70.6

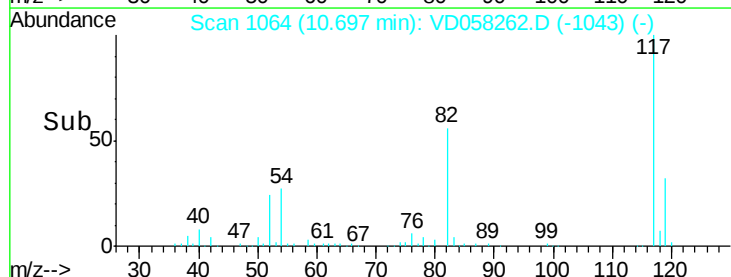
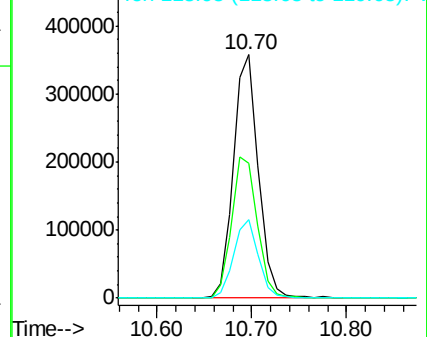
119 32.4 25.3 37.9

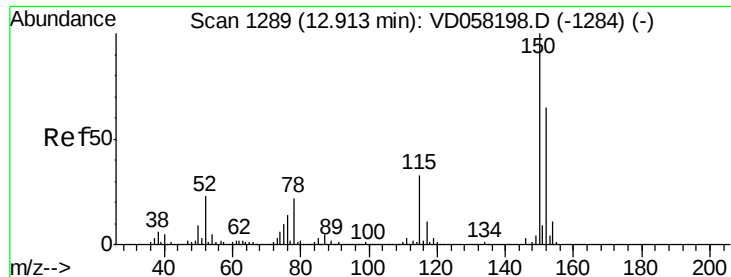


Abundance Ion 116.95 (116.65 to 117.65): V

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: VD058262.D

Acq: 21 Jun 2018 19:50

Instrument :

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ClientSampleId :

26KV-CSMRE

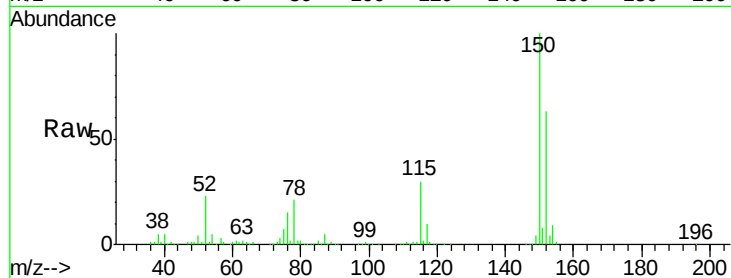
Tot Ion:152 Resp: 345662

Ion Ratio Lower Upper

152 100

115 47.8 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

