

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD062419\
 Data File : VD062850.D
 Acq On : 24 Jun 2019 19:42
 Operator : VA/AP
 Sample : K3500-07
 Misc : 5.98g/5ml/MSVOA D/SOIL
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 B-7(9-10)

Quant Time: Jun 25 05:51:05 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D061919S.M
 Quant Title : SW846 8260
 QLast Update : Thu Jun 20 01:50:56 2019
 Response via : Initial Calibration

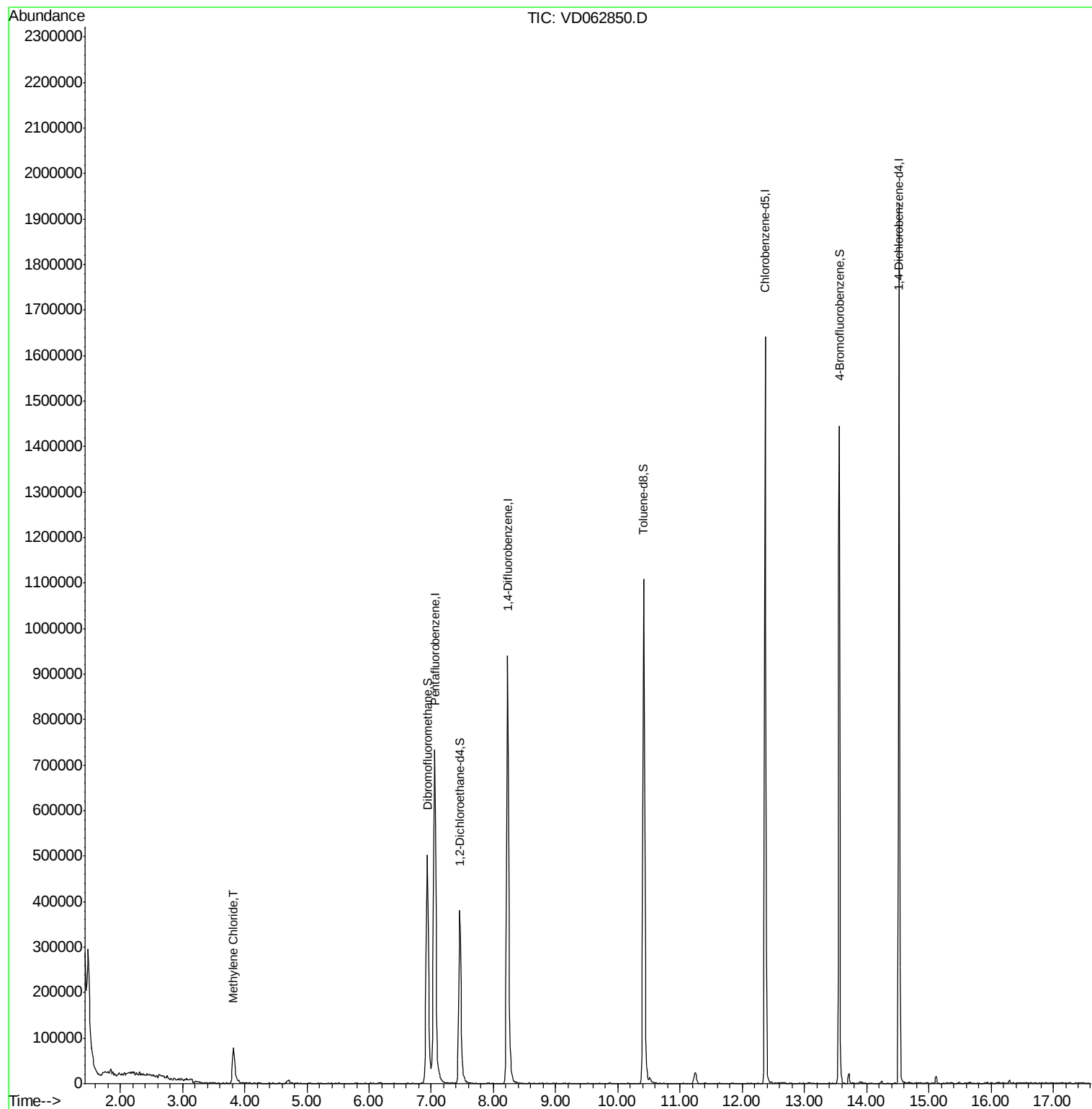
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.05	168	700380	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.23	114	967877	50.00	ug/l	0.00
63) Chlorobenzene-d5	12.37	117	821459	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	14.52	152	401302	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	7.46	65	438445	57.59	ug/l	0.00
Spiked Amount 50.000			Recovery	=	115.18%	
35) Dibromofluoromethane	6.94	113	445048	54.53	ug/l	0.00
Spiked Amount 50.000			Recovery	=	109.06%	
50) Toluene-d8	10.41	98	899315	50.63	ug/l	0.00
Spiked Amount 50.000			Recovery	=	101.26%	
62) 4-Bromofluorobenzene	13.56	95	403725	49.99	ug/l	0.00
Spiked Amount 50.000			Recovery	=	99.98%	
Target Compounds						
20) Methylene Chloride	3.82	84	50462	8.691	ug/l	Qvalue 93

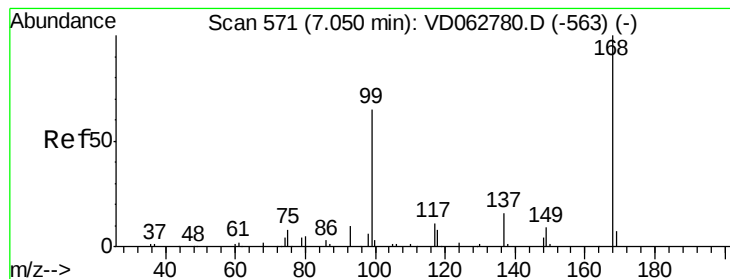
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.05 min Scan# 572

Delta R.T. 0.01 min

Lab File: VD062850.D

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Instrument :

MSVOA_D

ClientSampleId :

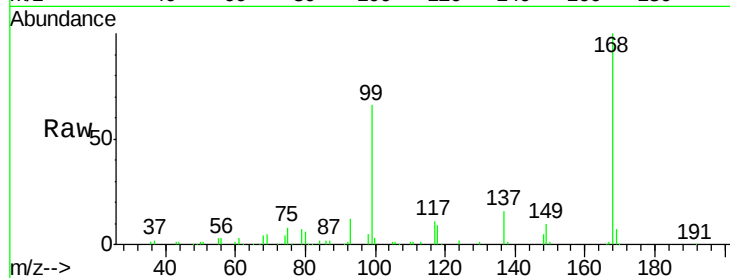
B-7(9-10)

Tot Ion:168 Resp: 700380

Ion Ratio Lower Upper

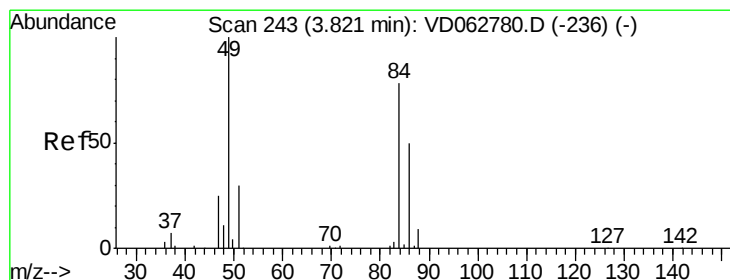
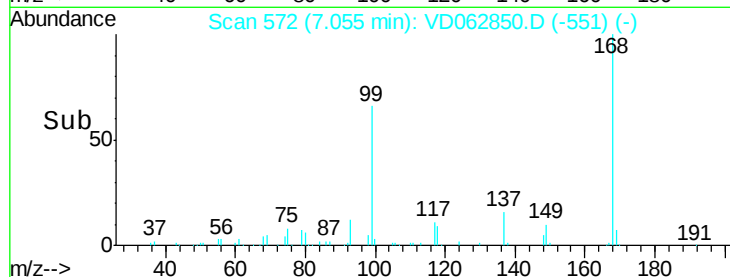
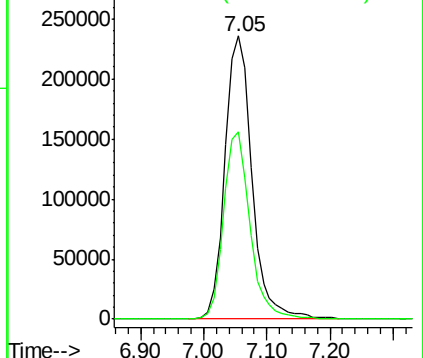
168 100

99 66.0 53.0 79.6



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.95 (98.65 to 99.65): VDC



#20

Methylene Chloride

Concen: 8.691 ug/l

RT: 3.82 min Scan# 243

Delta R.T. -0.00 min

Lab File: VD062850.D

Acq: 24 Jun 2019 19:42

Tgt Ion: 84 Resp: 50462

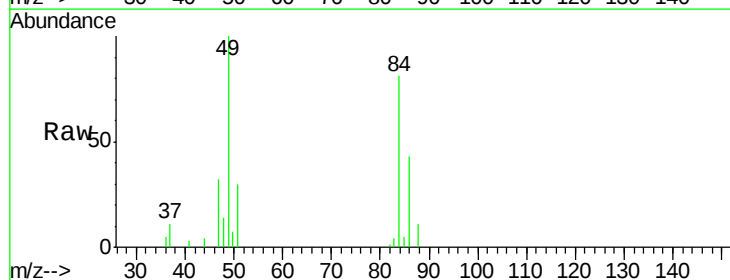
Ion Ratio Lower Upper

84 100

49 122.9 102.9 154.3

51 37.0 31.2 46.8

86 52.7 51.4 77.2

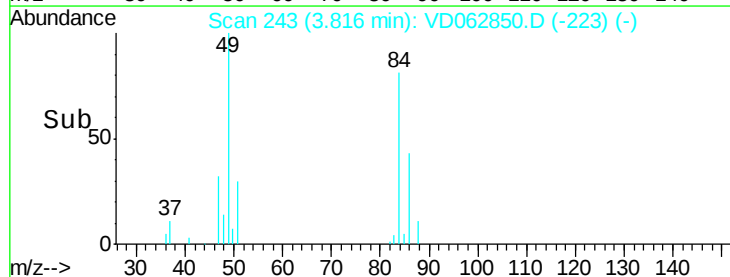
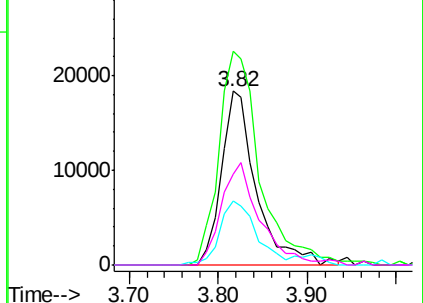


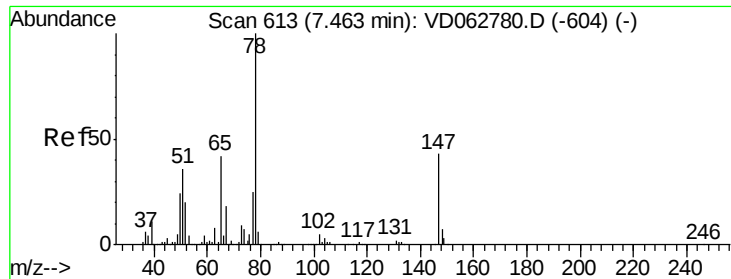
Abundance Ion 83.95 (83.65 to 84.65): VDC

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





#33

1,2-Dichloroethane-d4

Concen: 57.591 ug/l

RT: 7.46 min Scan# 613

Delta R.T. -0.00 min

Lab File: VD062850.D

Acq: 24 Jun 2019 19:42

Instrument :

MSVOA_D

ClientSampleId :

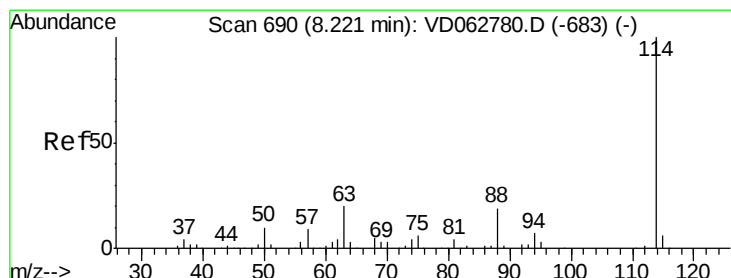
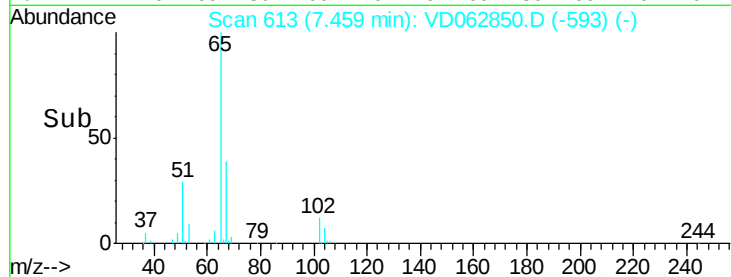
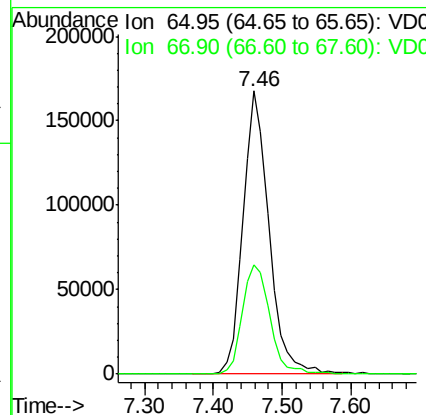
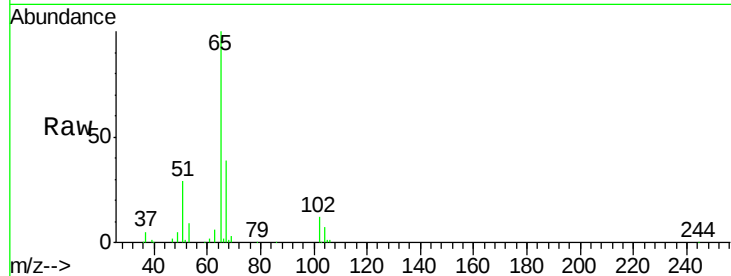
B-7(9-10)

Tot Ion: 65 Resp: 438445

Ion Ratio Lower Upper

65 100

67 38.8 0.0 87.4



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.23 min Scan# 691

Delta R.T. 0.01 min

Lab File: VD062850.D

Acq: 24 Jun 2019 19:42

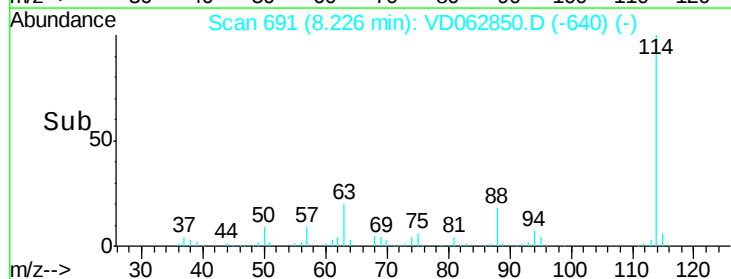
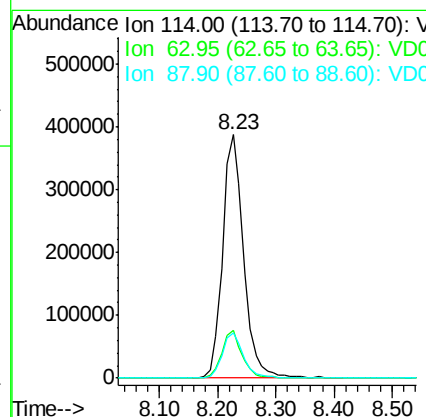
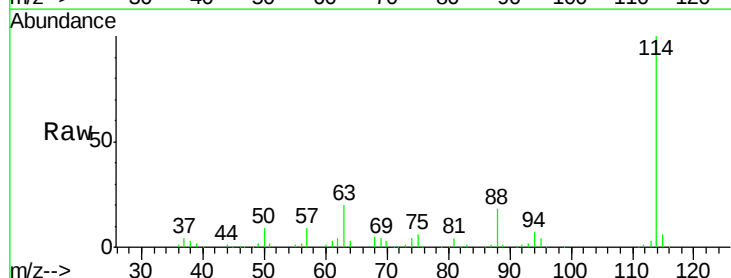
Tgt Ion: 114 Resp: 967877

Ion Ratio Lower Upper

114 100

63 19.7 0.0 40.0

88 18.3 0.0 38.8





#35

Dibromofluoromethane

Concen: 54.533 ug/l

RT: 6.94 min Scan# 560

Delta R.T. 0.01 min

Lab File: VD062850.D

Acq: 24 Jun 2019 19:42

Instrument :

MSVOA_D

ClientSampleId :

B-7(9-10)

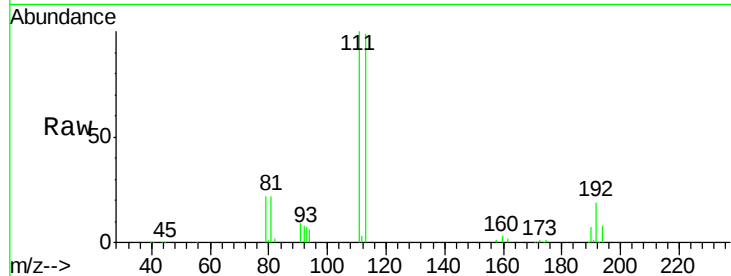
Tot Ion:113 Resp: 445048

Ion Ratio Lower Upper

113 100

111 101.2 81.2 121.8

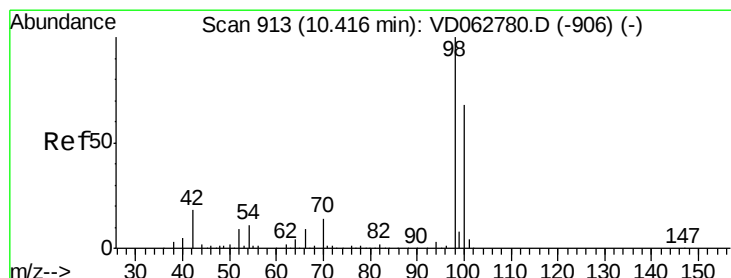
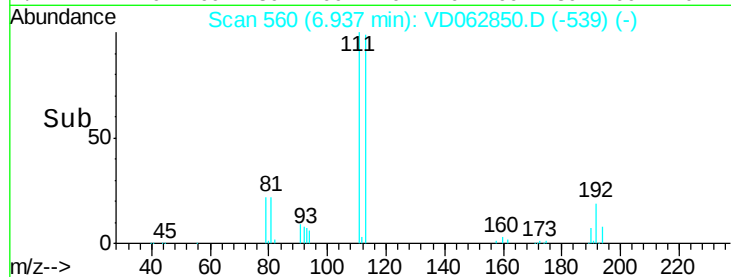
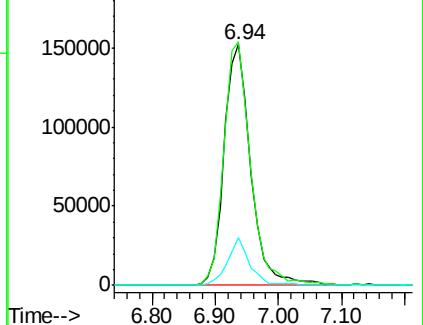
192 19.7 12.9 19.3#



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: 50.631 ug/l

RT: 10.41 min Scan# 913

Delta R.T. -0.00 min

Lab File: VD062850.D

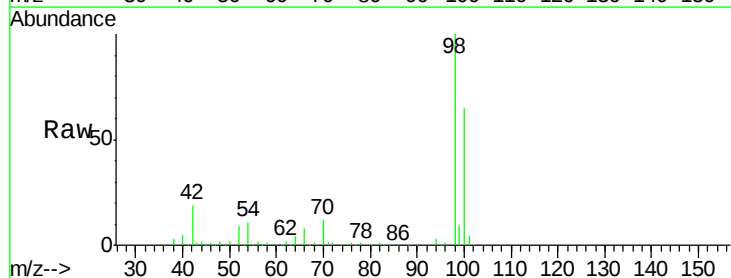
Acq: 24 Jun 2019 19:42

Tgt Ion: 98 Resp: 899315

Ion Ratio Lower Upper

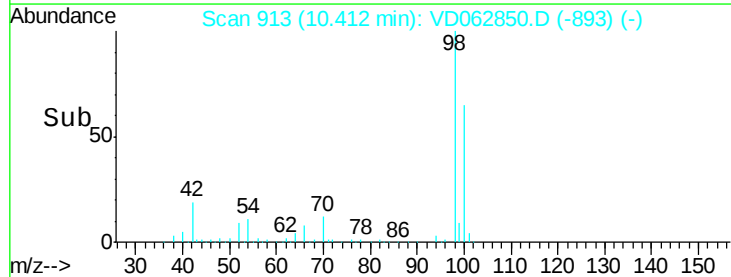
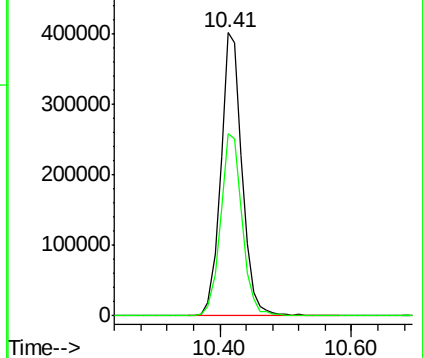
98 100

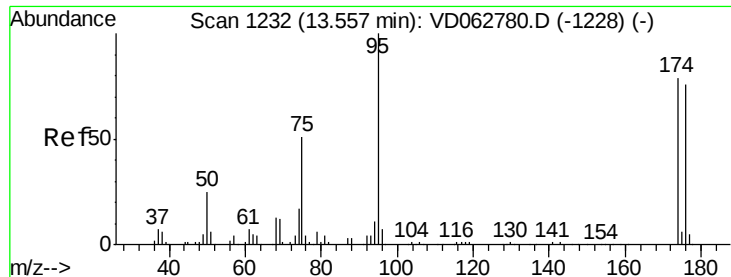
100 64.5 54.7 82.1



Abundance Ion 98.05 (97.75 to 98.75): V

Ion 100.05 (99.75 to 100.75): V





#62

4-Bromofluorobenzene

Concen: 49.987 ug/l

RT: 13.56 min Scan# 1233

Delta R.T. 0.01 min

Lab File: VD062850.D

Acq: 24 Jun 2019 19:42

Instrument :

MSVOA_D

ClientSampleId :

B-7(9-10)

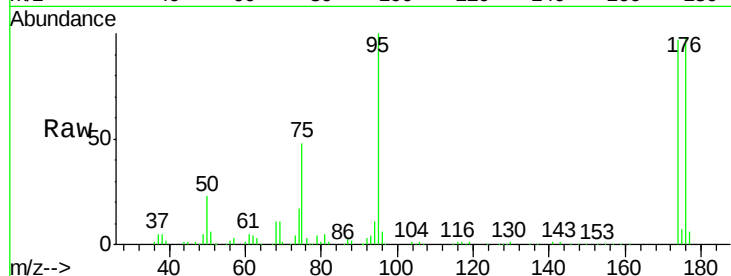
Tot Ion: 95 Resp: 403725

Ion Ratio Lower Upper

95 100

174 97.1 0.0 158.0

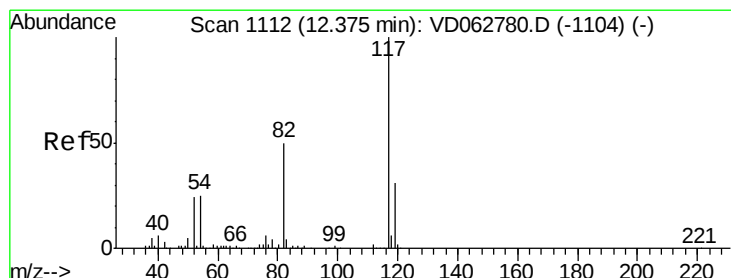
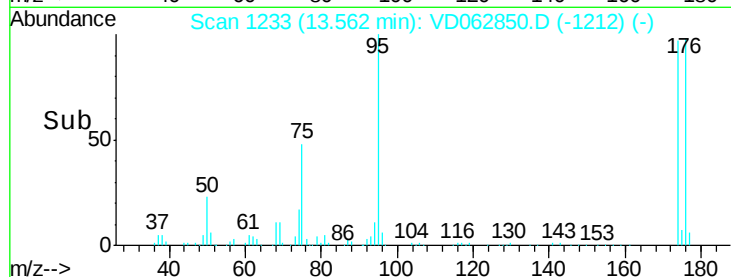
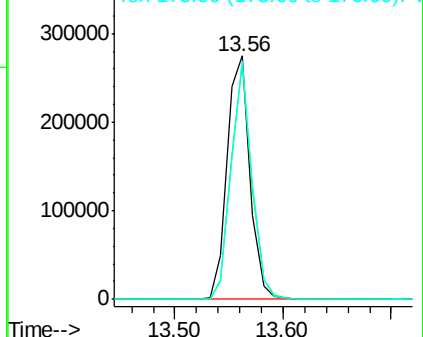
176 97.7 0.0 151.6



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: 50.000 ug/l

RT: 12.37 min Scan# 1112

Delta R.T. -0.00 min

Lab File: VD062850.D

Acq: 24 Jun 2019 19:42

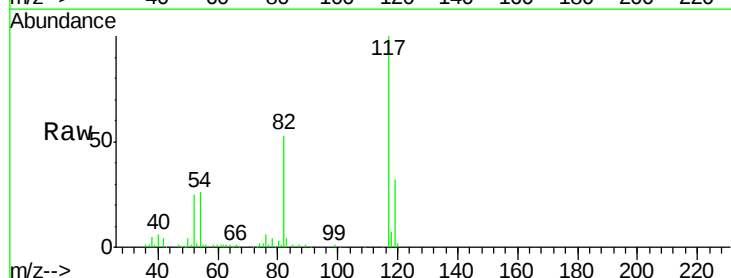
Tgt Ion: 117 Resp: 821459

Ion Ratio Lower Upper

117 100

82 52.9 40.4 60.6

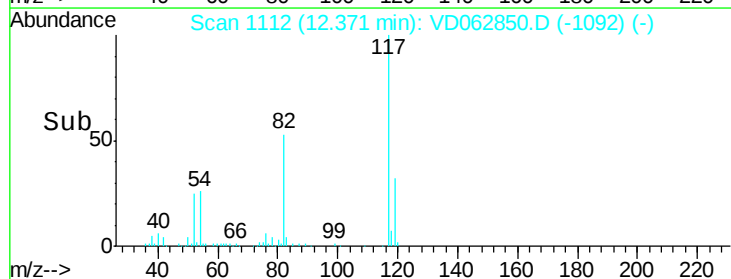
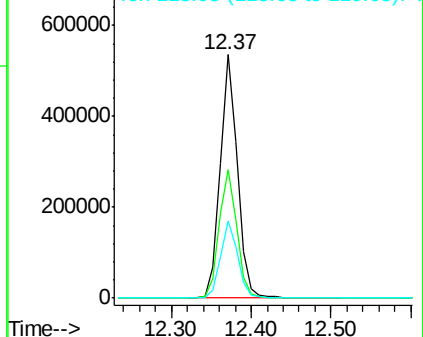
119 31.8 25.2 37.8

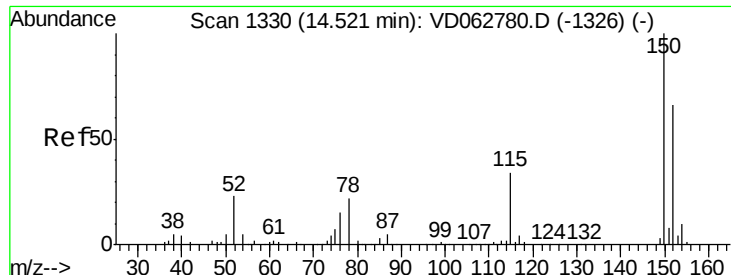


Abundance Ion 116.95 (116.65 to 117.65): V

Ion 82.05 (81.75 to 82.75): V

Ion 118.95 (118.65 to 119.65): V





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 14.52 min Scan# 1330

Delta R.T. -0.00 min

Lab File: VD062850.D

Acq: 24 Jun 2019 19:42

Instrument :

MSVOA_D

ClientSampleId :

B-7(9-10)

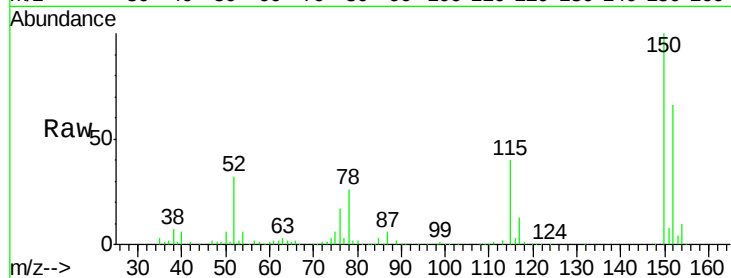
Tot Ion:152 Resp: 401302

Ion Ratio Lower Upper

152 100

115 61.4 29.2 87.6

150 152.2 0.0 305.8



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

