

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD080319\
 Data File : VD063368.D
 Acq On : 3 Aug 2019 18:17
 Operator : VA/AP
 Sample : K4135-05
 Misc : 6.68g/5ml/MSVOA D/SOIL
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 1S-A4-(0-1)

Quant Time: Aug 04 06:45:59 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D072919S.M
 Quant Title : SW846 8260
 QLast Update : Tue Jul 30 03:04:50 2019
 Response via : Initial Calibration

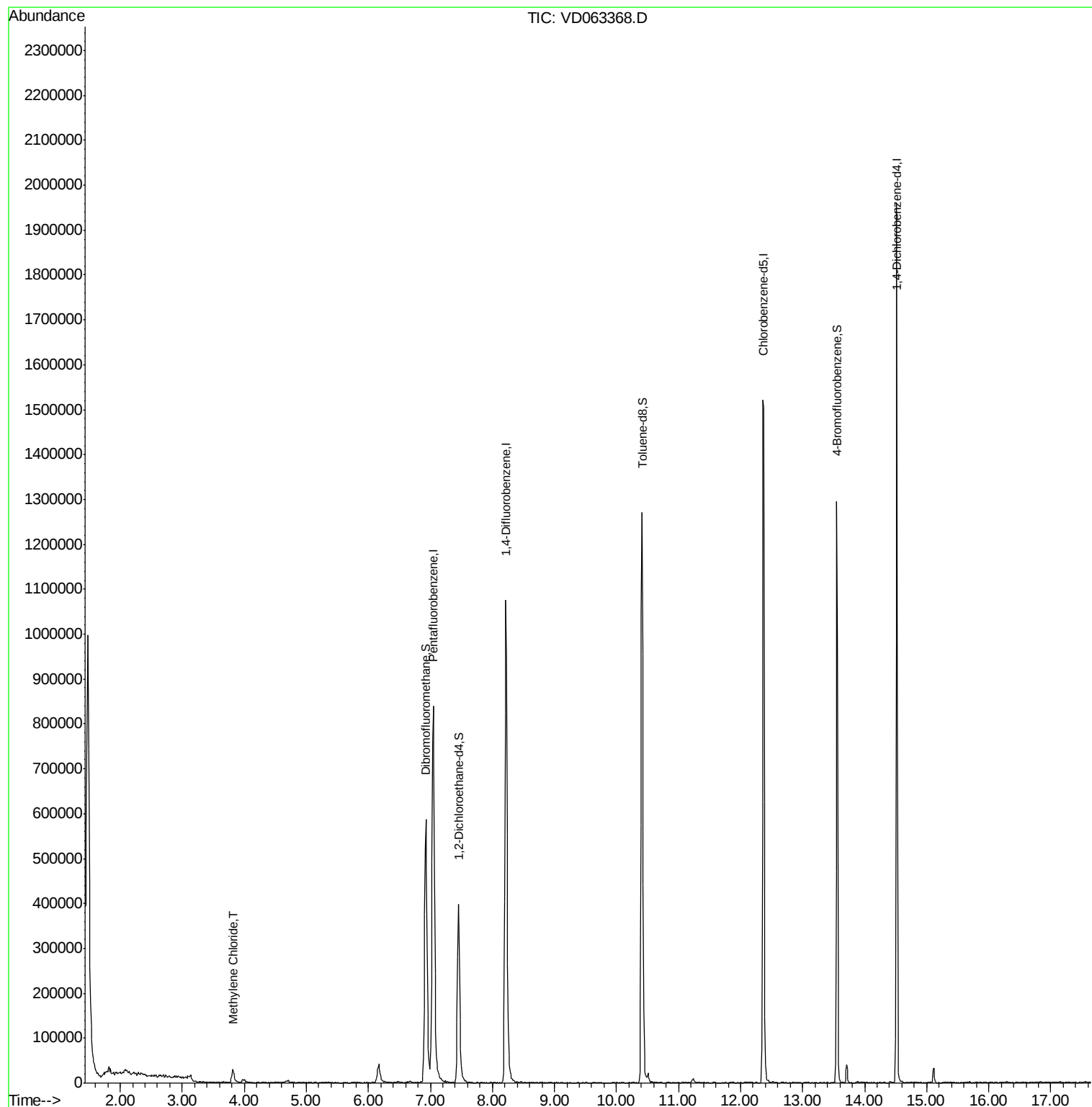
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.05	168	805456	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.22	114	1134119	50.00	ug/l	0.00
63) Chlorobenzene-d5	12.37	117	881777	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	14.52	152	388960	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	7.45	65	461295	51.61	ug/l	0.00
Spiked Amount 50.000			Recovery	=	103.22%	
35) Dibromofluoromethane	6.93	113	505301	52.18	ug/l	0.02
Spiked Amount 50.000			Recovery	=	104.36%	
50) Toluene-d8	10.41	98	1009784	46.60	ug/l	0.00
Spiked Amount 50.000			Recovery	=	93.20%	
62) 4-Bromofluorobenzene	13.55	95	357270	36.18	ug/l	0.00
Spiked Amount 50.000			Recovery	=	72.36%	
Target Compounds						
20) Methylene Chloride	3.82	84	18289	2.598	ug/l	Qvalue 94

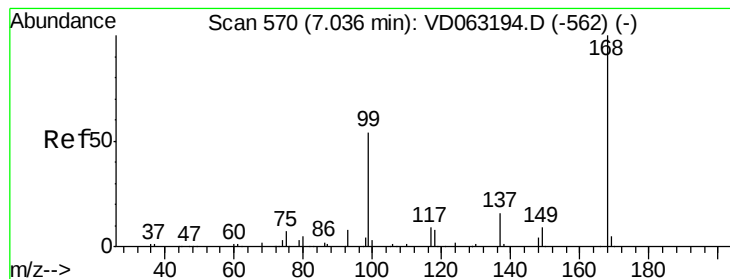
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
QLast Update : Tue Jul 30 03:04:50 2019
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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.05 min Scan# 571

Delta R.T. 0.01 min

Lab File: VD063368.D

Acq: 3 Aug 2019 18:17

Instrument :

MSVOA_D

ClientSampleId :

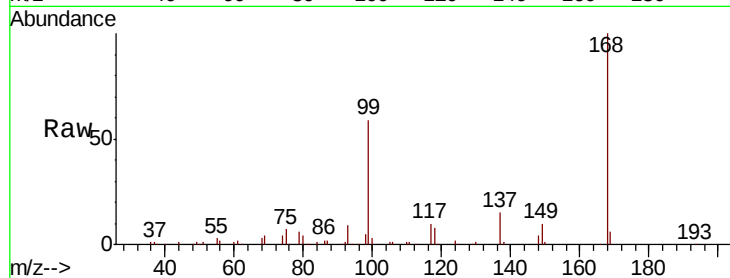
1S-A4-(0-1)

Tot Ion:168 Resp: 805456

Ion Ratio Lower Upper

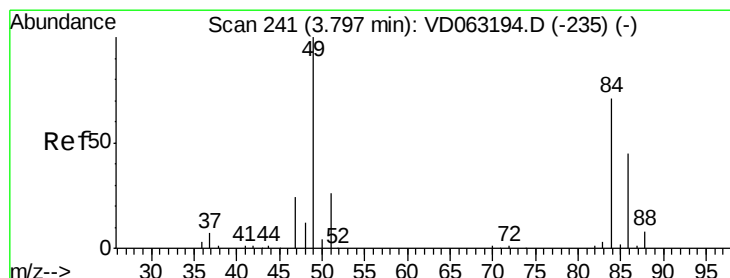
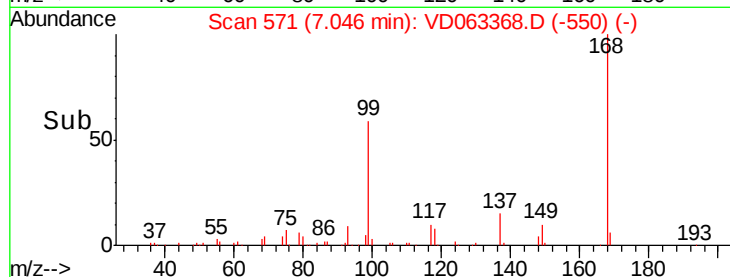
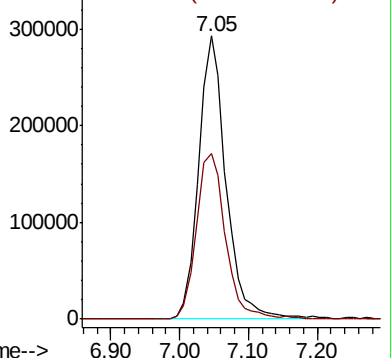
168 100

99 58.7 43.7 65.5



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.95 (98.65 to 99.65): VDC



#20

Methylene Chloride

Concen: 2.598 ug/l

RT: 3.82 min Scan# 243

Delta R.T. 0.02 min

Lab File: VD063368.D

Acq: 3 Aug 2019 18:17

Tgt Ion: 84 Resp: 18289

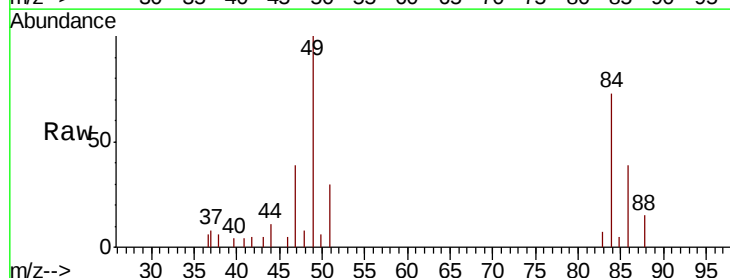
Ion Ratio Lower Upper

84 100

49 137.1 112.5 168.7

51 41.5 29.6 44.4

86 53.6 50.4 75.6

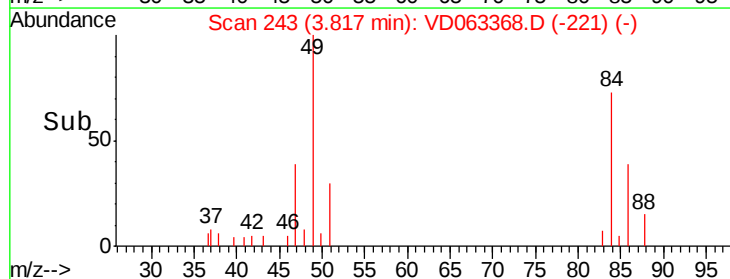
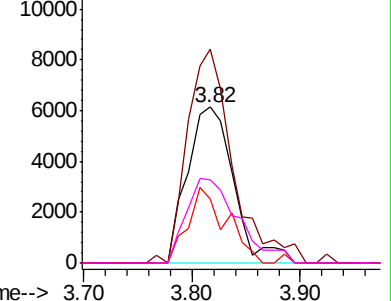


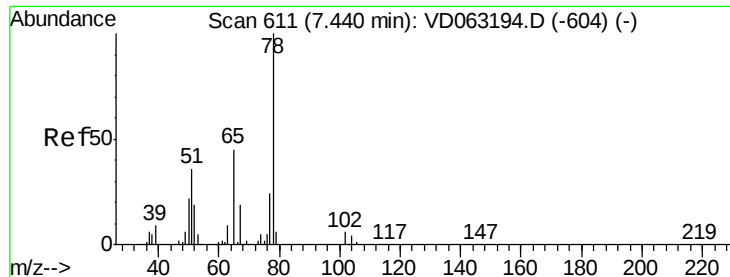
Abundance Ion 83.95 (83.65 to 84.65): VDC

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: 51.615 ug/l

RT: 7.45 min Scan# 612

Delta R.T. 0.01 min

Lab File: VD063368.D

Acq: 3 Aug 2019 18:17

Instrument :

MSVOA_D

ClientSampleId :

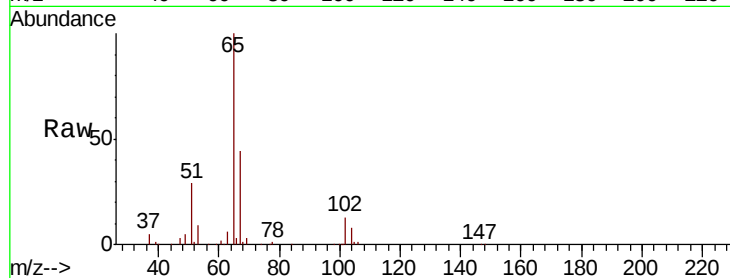
1S-A4(0-1)

Tot Ion: 65 Resp: 461295

Ion Ratio Lower Upper

65 100

67 43.7 0.0 85.8



Abundance Ion 64.95 (64.65 to 65.65): VDC

Ion 66.90 (66.60 to 67.60): VDC

7.45

150000

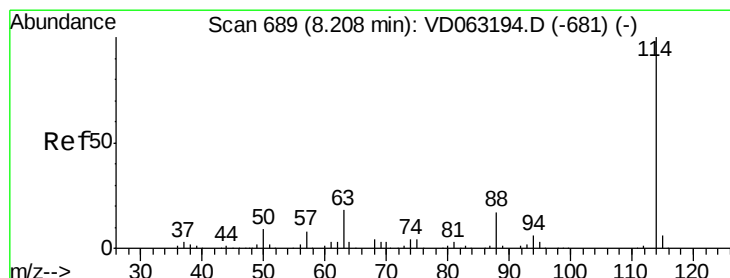
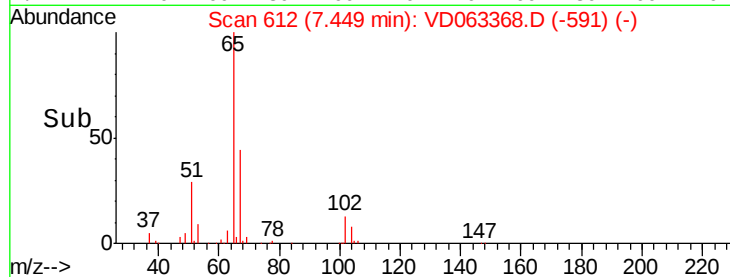
100000

50000

0

Time-->

7.30 7.40 7.50 7.60



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.22 min Scan# 690

Delta R.T. 0.01 min

Lab File: VD063368.D

Acq: 3 Aug 2019 18:17

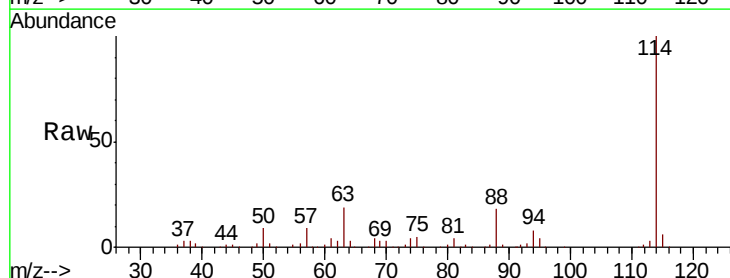
Tgt Ion: 114 Resp: 1134119

Ion Ratio Lower Upper

114 100

63 18.9 0.0 35.2

88 17.7 0.0 34.6



Abundance Ion 114.00 (113.70 to 114.70): VDC

Ion 62.95 (62.65 to 63.65): VDC

Ion 87.90 (87.60 to 88.60): VDC

600000

500000

400000

300000

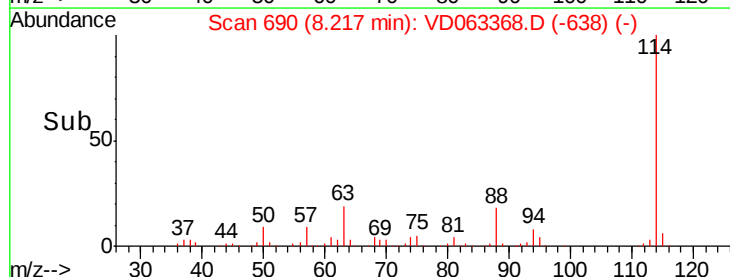
200000

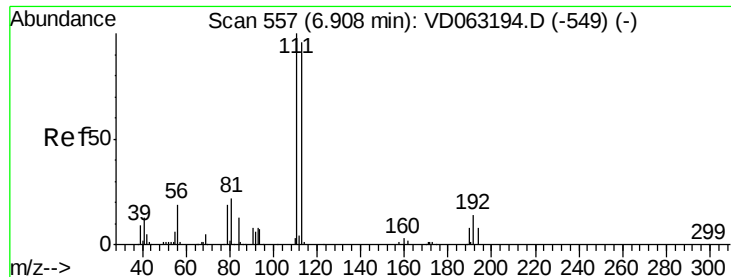
100000

0

Time-->

8.20 8.40





#35

Dibromofluoromethane

Concen: 52.185 ug/l

RT: 6.93 min Scan# 559

Delta R.T. 0.02 min

Lab File: VD063368.D

Acq: 3 Aug 2019 18:17

Instrument :

MSVOA_D

ClientSampleId :

1S-A4-(0-1)

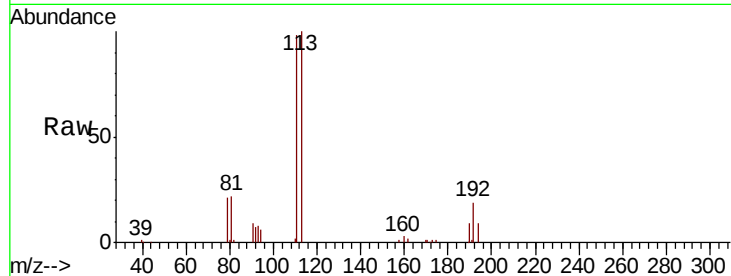
Tot Ion:113 Resp: 505301

Ion Ratio Lower Upper

113 100

111 97.7 83.2 124.8

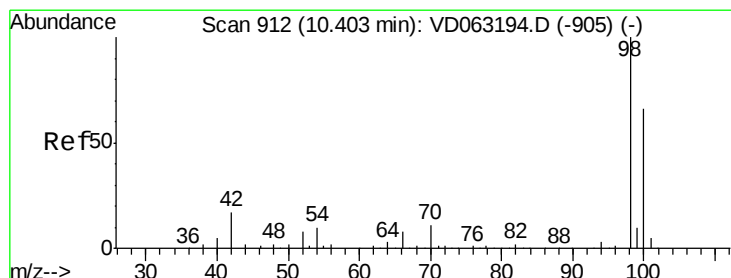
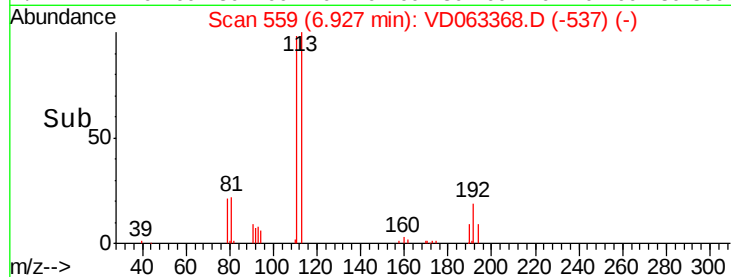
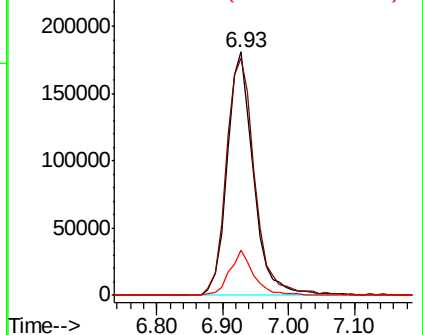
192 18.8 11.8 17.8#



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: 46.597 ug/l

RT: 10.41 min Scan# 913

Delta R.T. 0.01 min

Lab File: VD063368.D

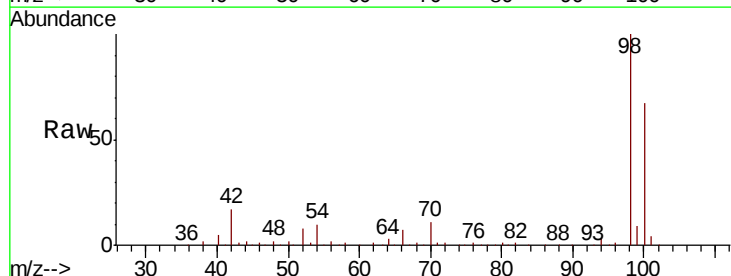
Acq: 3 Aug 2019 18:17

Tgt Ion: 98 Resp: 1009784

Ion Ratio Lower Upper

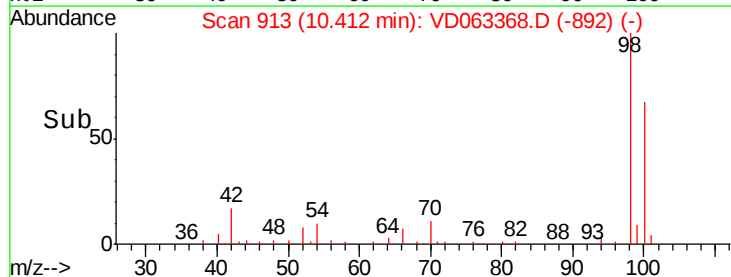
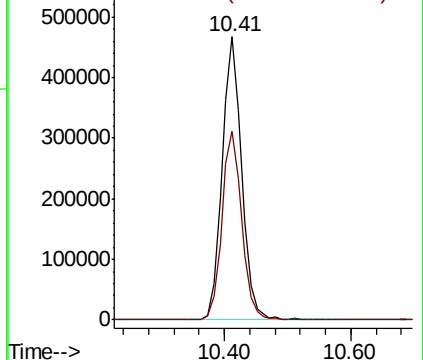
98 100

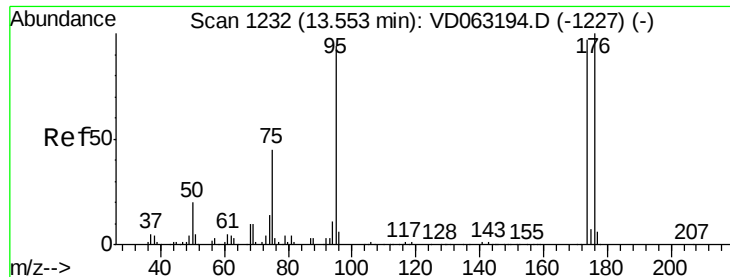
100 66.7 53.2 79.8



Abundance Ion 98.05 (97.75 to 98.75): V

Ion 100.05 (99.75 to 100.75): V





#62

4-Bromofluorobenzene

Concen: 36.179 ug/l

RT: 13.55 min Scan# 1232

Delta R.T. -0.00 min

Lab File: VD063368.D

Acq: 3 Aug 2019 18:17

Instrument :

MSVOA_D

ClientSampleId :

1S-A4-(0-1)

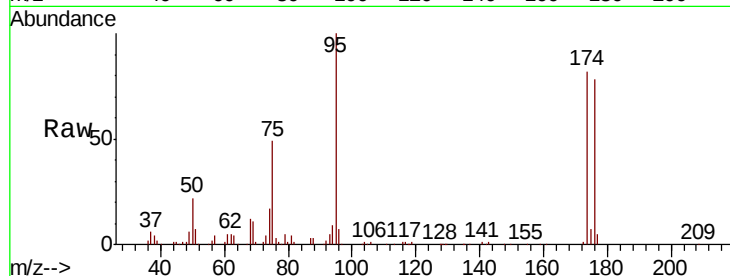
Tot Ion: 95 Resp: 357270

Ion Ratio Lower Upper

95 100

174 82.1 0.0 205.4

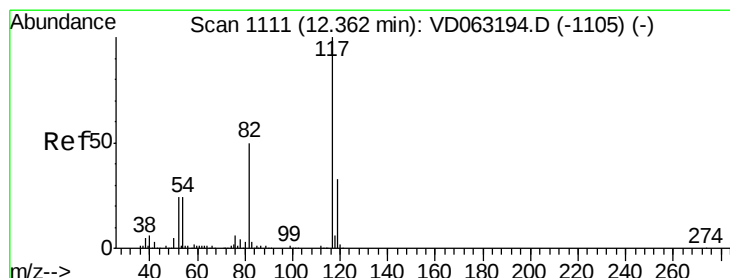
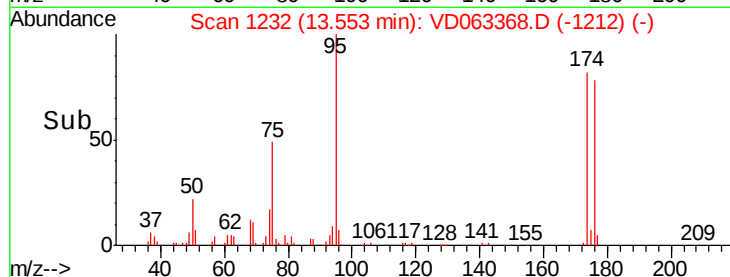
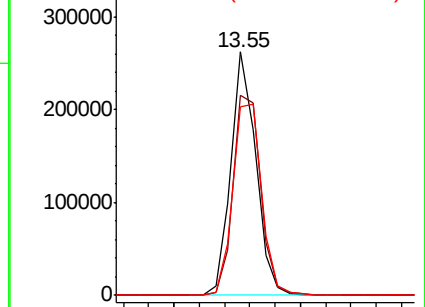
176 77.7 0.0 211.8



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. 0.01 min

Lab File: VD063368.D

Acq: 3 Aug 2019 18:17

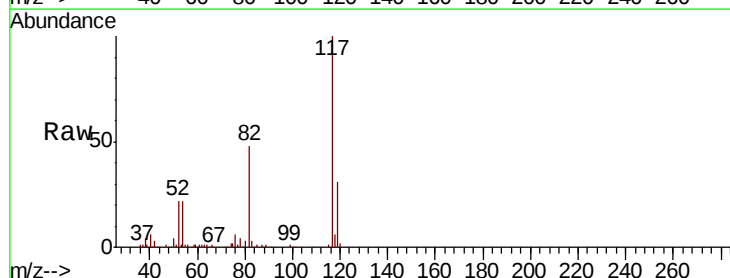
Tgt Ion: 117 Resp: 881777

Ion Ratio Lower Upper

117 100

82 48.0 40.1 60.1

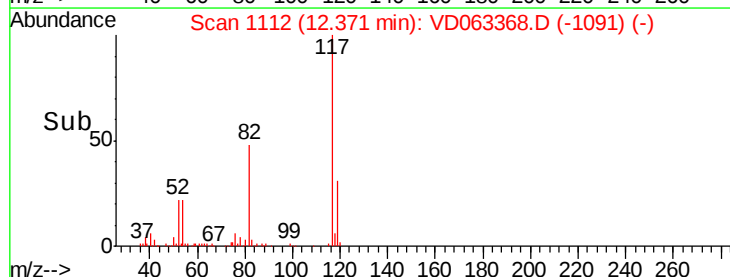
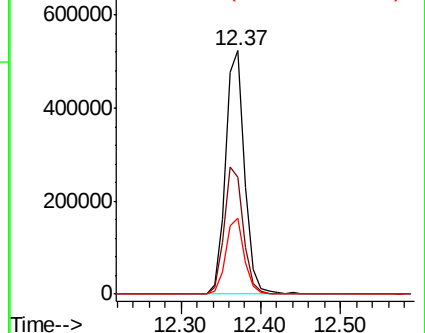
119 31.0 26.5 39.7

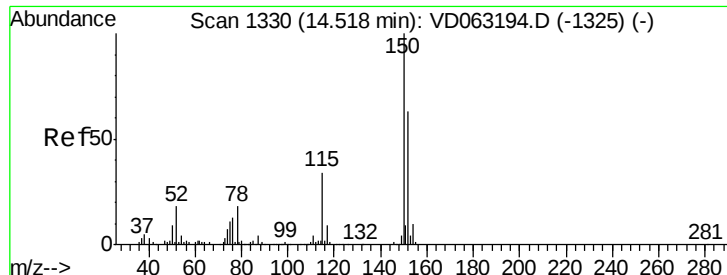


Abundance Ion 116.95 (116.65 to 117.65): V

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: VD063368.D

Acq: 3 Aug 2019 18:17

Instrument :

MSVOA_D

ClientSampleId :

1S-A4-(0-1)

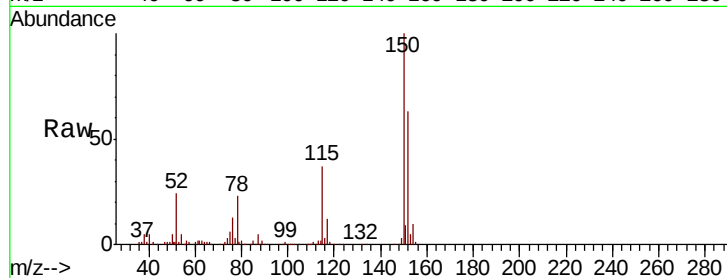
Tot Ion:152 Resp: 388960

Ion Ratio Lower Upper

152 100

115 58.4 27.5 82.4

150 158.6 0.0 320.6



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

