

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD080619\
 Data File : VD063409.D
 Acq On : 6 Aug 2019 19:55
 Operator : JC/SY
 Sample : K4192-04
 Misc : 4.92g/5ml/MSVOA D/SOIL
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 TRIPLE-BARREL-BC-EAST

Quant Time: Aug 07 08:16:02 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

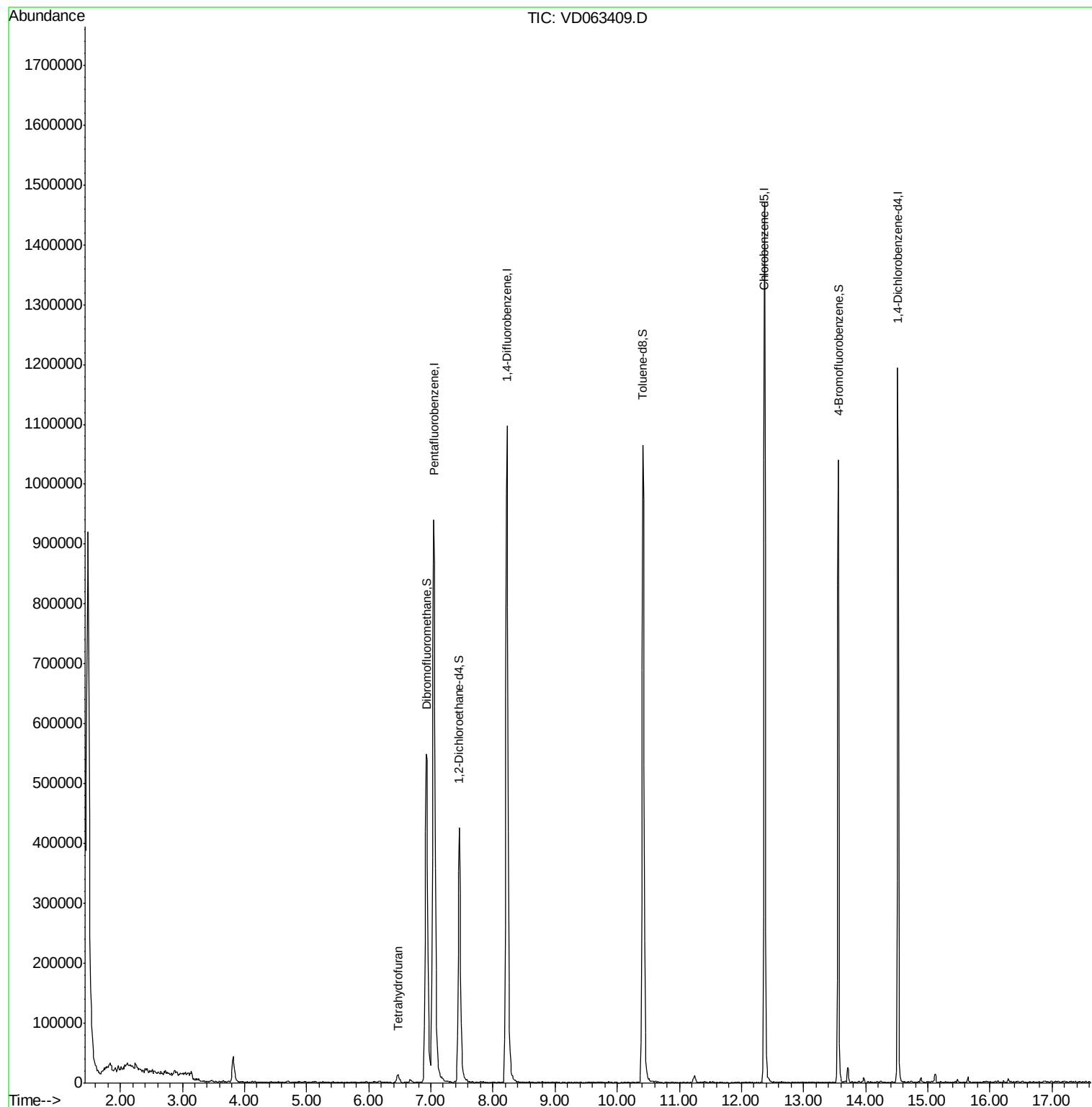
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.05	168	904462	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.23	114	1205111	50.00	ug/l	0.02
63) Chlorobenzene-d5	12.37	117	772902	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	14.53	152	280599	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	7.46	65	462044	46.04	ug/l	0.02
Spiked Amount 50.000			Recovery	=	92.08%	
35) Dibromofluoromethane	6.93	113	492223	47.84	ug/l	0.02
Spiked Amount 50.000			Recovery	=	95.68%	
50) Toluene-d8	10.41	98	864158	37.53	ug/l	0.00
Spiked Amount 50.000			Recovery	=	75.06%	
62) 4-Bromofluorobenzene	13.56	95	299832	28.57	ug/l	0.00
Spiked Amount 50.000			Recovery	=	57.14%	
Target Compounds						
29) Tetrahydrofuran	6.47	42	9892	10.647	ug/l	Qvalue 98

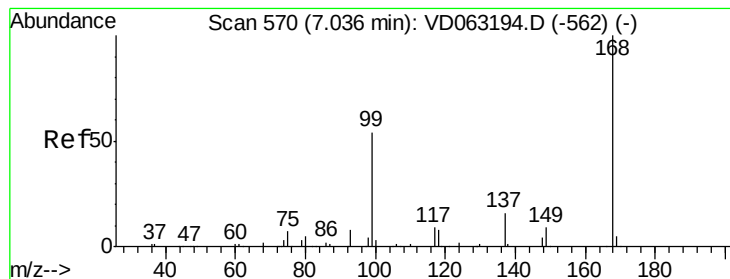
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.05 min Scan# 571

Delta R.T. 0.01 min

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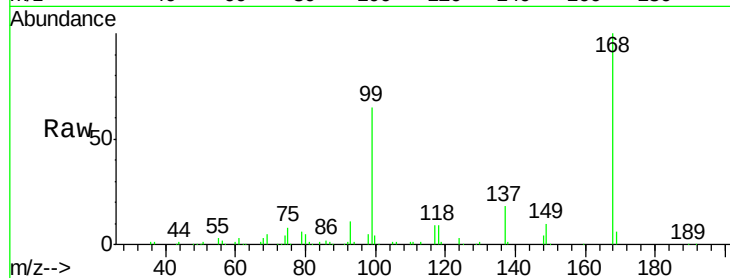
TRIPLE-BARREL-BC-EAST

Tot Ion:168 Resp: 904462

Ion Ratio Lower Upper

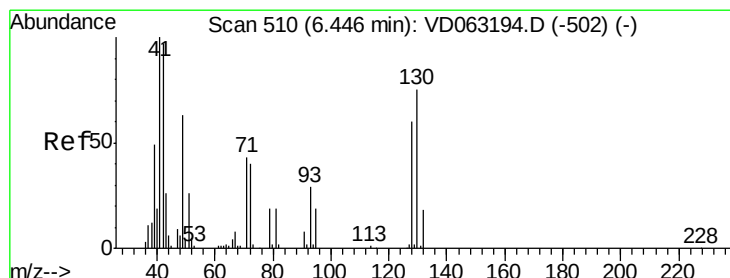
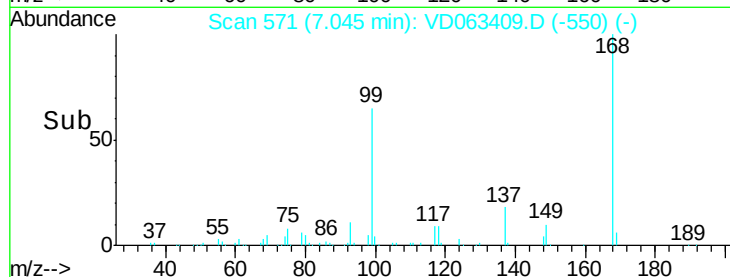
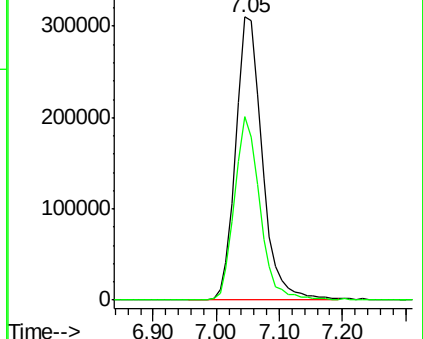
168 100

99 64.9 43.7 65.5



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.95 (98.65 to 99.65): VDC



#29

Tetrahydrofuran

Concen: 10.647 ug/l

RT: 6.47 min Scan# 513

Delta R.T. 0.03 min

Lab File: VD063409.D

Acq: 6 Aug 2019 19:55

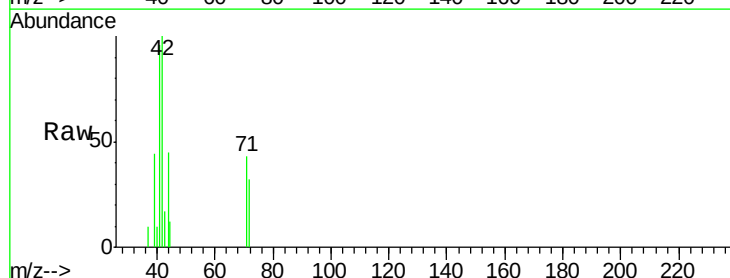
Tgt Ion: 42 Resp: 9892

Ion Ratio Lower Upper

42 100

72 42.4 33.4 50.2

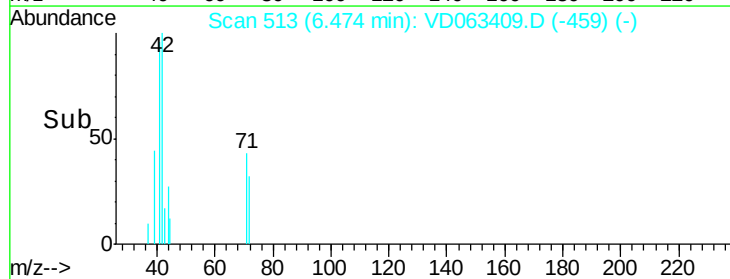
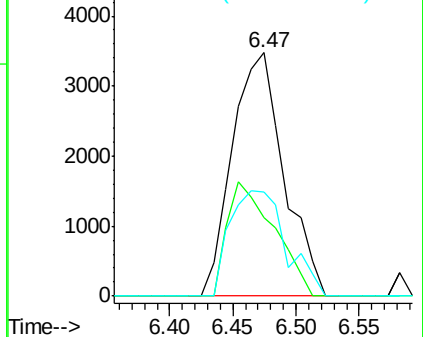
71 47.0 35.7 53.5

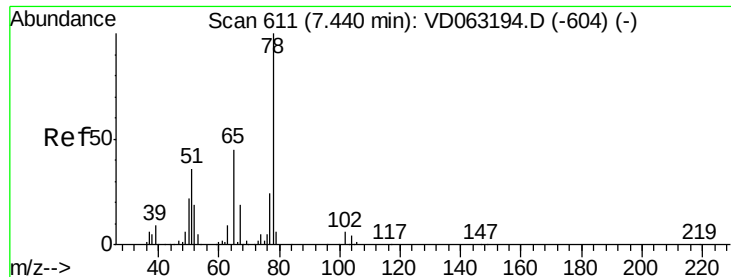


Abundance Ion 42.00 (41.70 to 42.70): VDC

Ion 72.00 (71.70 to 72.70): VDC

Ion 71.00 (70.70 to 71.70): VDC

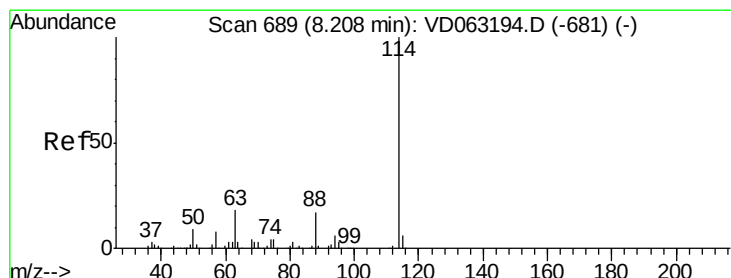
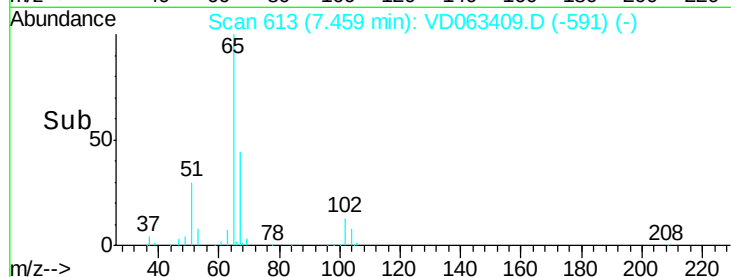
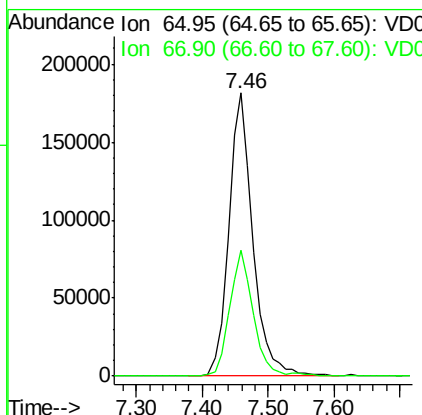
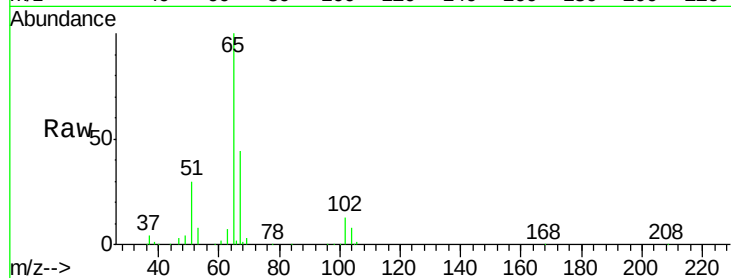




#33
 1,2-Dichloroethane-d4
 Concen: 46.039 ug/l
 RT: 7.46 min Scan# 613
 Delta R.T. 0.02 min
 Lab File: VD063409.D
 Acq: 6 Aug 2019 19:55

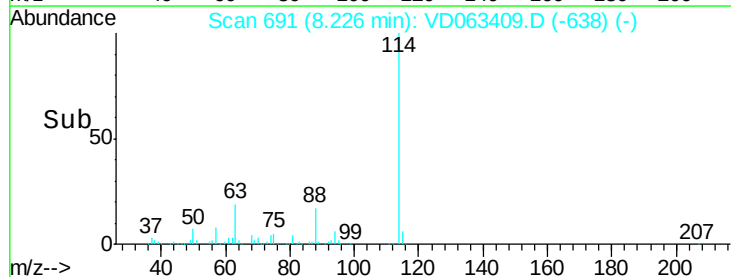
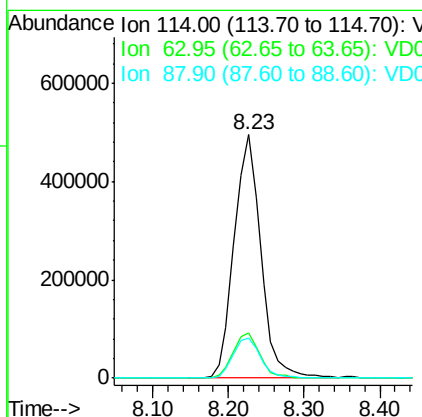
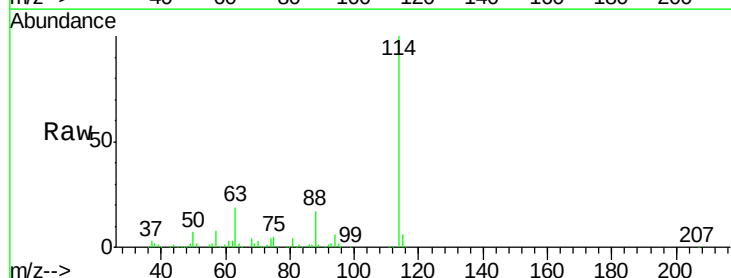
Instrument :
 MSVOA_D
 ClientSampleId :
 TRIPLE-BARREL-BC-EAST

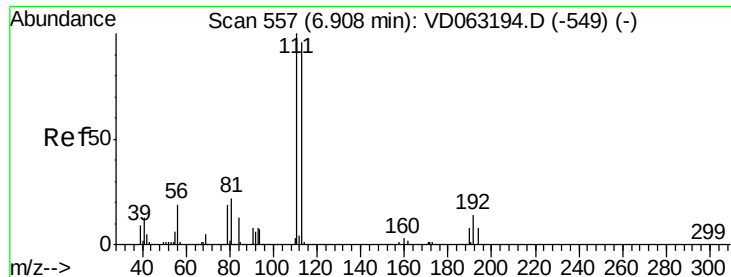
Tot Ion: 65 Resp: 462044
 Ion Ratio Lower Upper
 65 100
 67 44.3 0.0 85.8



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.23 min Scan# 691
 Delta R.T. 0.02 min
 Lab File: VD063409.D
 Acq: 6 Aug 2019 19:55

Tgt Ion: 114 Resp: 1205111
 Ion Ratio Lower Upper
 114 100
 63 18.7 0.0 35.2
 88 16.7 0.0 34.6





#35

Dibromofluoromethane

Concen: 47.839 ug/l

RT: 6.93 min Scan# 559

Delta R.T. 0.02 min

Lab File: VD063409.D

Acq: 6 Aug 2019 19:55

Instrument :
MSVOA_D
ClientSampleId :
TRIPLE-BARREL-BC-EAST

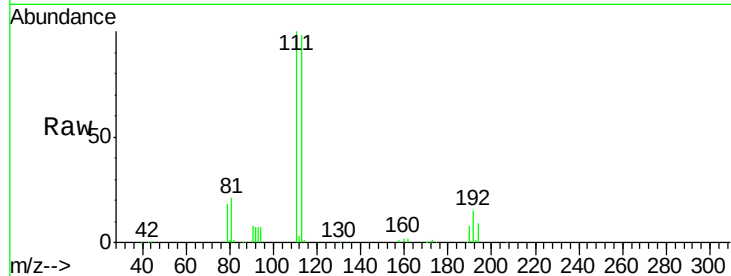
Tot Ion:113 Resp: 492223

Ion Ratio Lower Upper

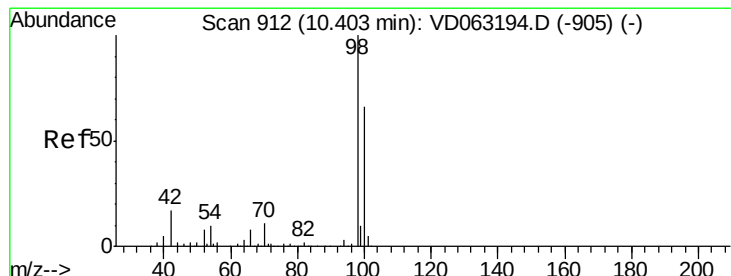
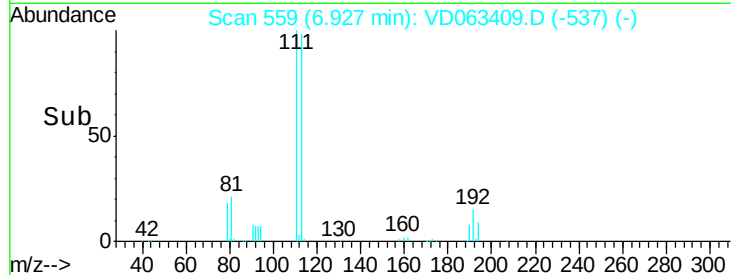
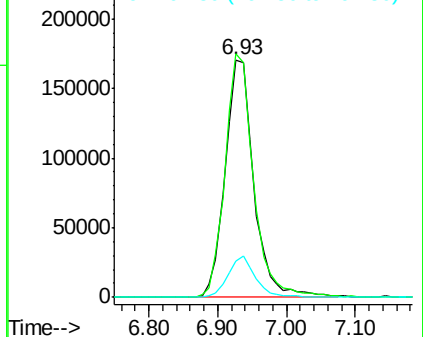
113 100

111 102.5 83.2 124.8

192 15.1 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: 37.528 ug/l

RT: 10.41 min Scan# 913

Delta R.T. 0.01 min

Lab File: VD063409.D

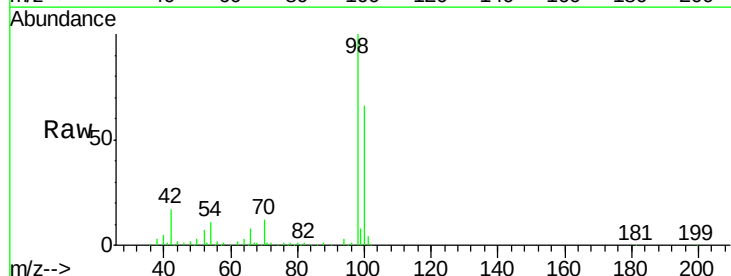
Acq: 6 Aug 2019 19:55

Tgt Ion: 98 Resp: 864158

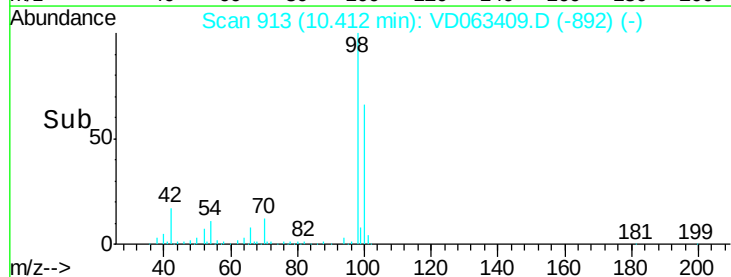
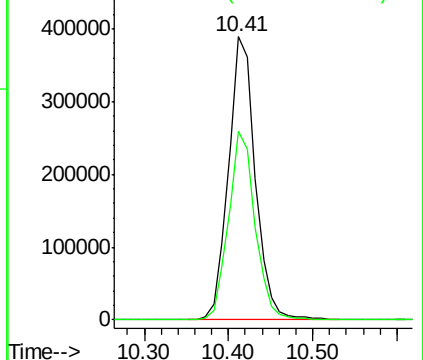
Ion Ratio Lower Upper

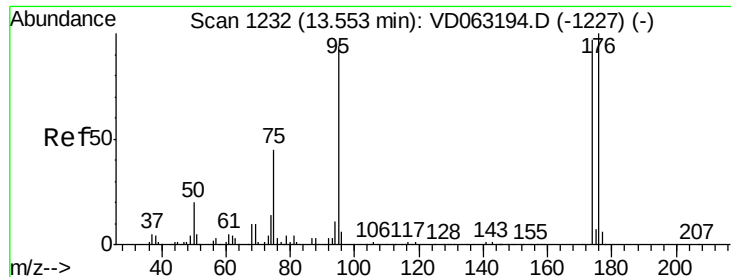
98 100

100 66.4 53.2 79.8



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





#62

4-Bromofluorobenzene

Concen: 28.574 ug/l

RT: 13.56 min Scan# 1233

Delta R.T. 0.01 min

Lab File: VD063409.D

Acq: 6 Aug 2019 19:55

Instrument :

MSVOA_D

ClientSampleId :

TRIPLE-BARREL-BC-EAST

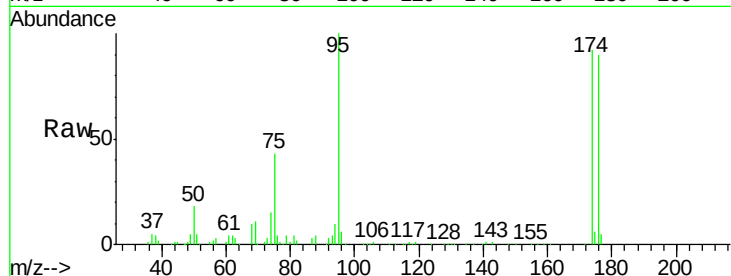
Tot Ion: 95 Resp: 299832

Ion Ratio Lower Upper

95 100

174 92.0 0.0 205.4

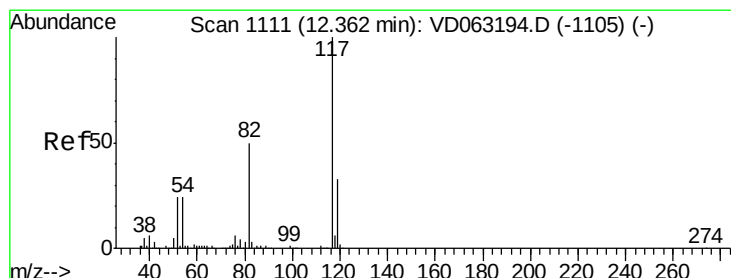
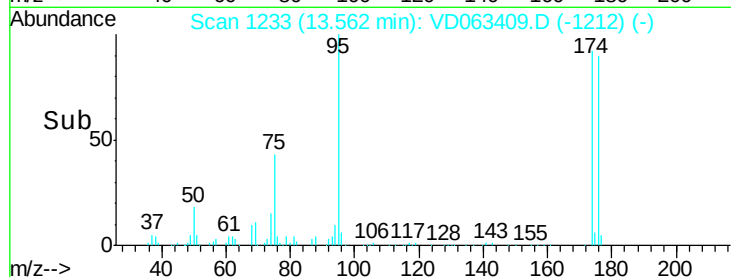
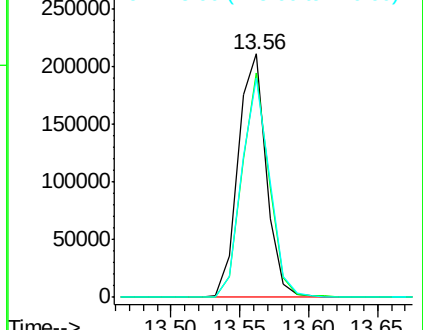
176 89.9 0.0 211.8



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: VD063409.D

Acq: 6 Aug 2019 19:55

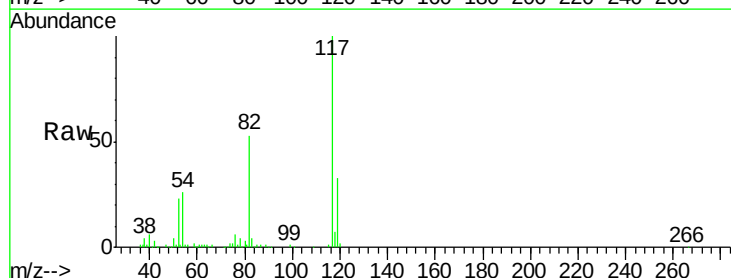
Tgt Ion: 117 Resp: 772902

Ion Ratio Lower Upper

117 100

82 53.0 40.1 60.1

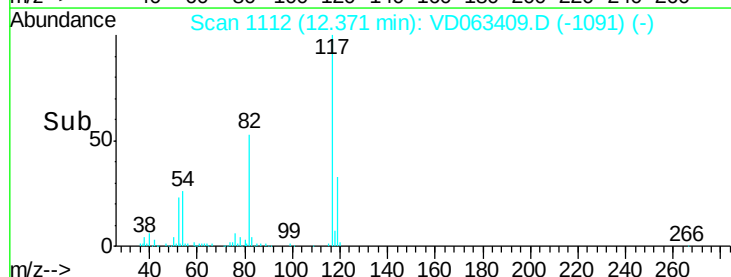
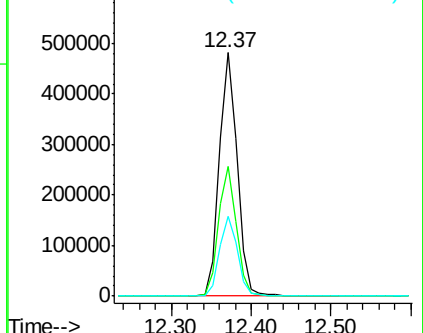
119 32.8 26.5 39.7

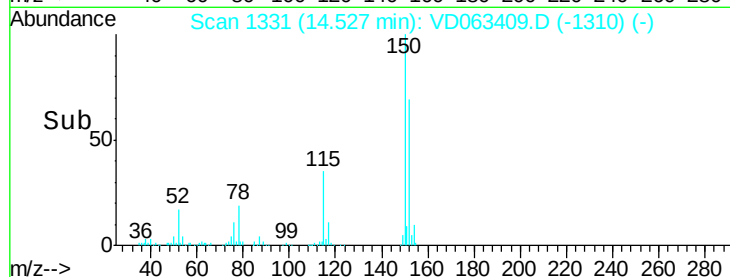
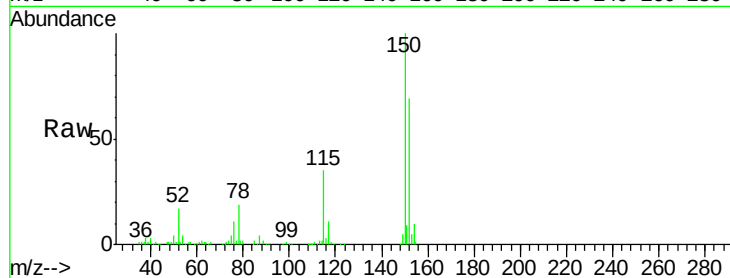
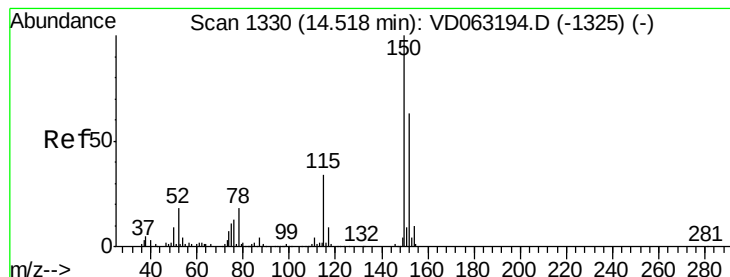


Abundance Ion 116.95 (116.65 to 117.65): V

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: 14.53 min Scan# 1331

Delta R.T. 0.01 min

Lab File: VD063409.D

Acq: 6 Aug 2019 19:55

Instrument :

MSVOA_D

ClientSampleId :

TRIPLE-BARREL-BC-EAST

Tot Ion:152 Resp: 280599

Ion Ratio Lower Upper

152 100

115 50.5 27.5 82.4

150 145.3 0.0 320.6

