

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD082119\
 Data File : VD063720.D
 Acq On : 21 Aug 2019 18:32
 Operator : JC/SY
 Sample : K4404-04
 Misc : 5.56g/5ml/MSVOA D/SOIL
 ALS Vial : 26 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 T1-L-(2.5)

Quant Time: Aug 22 02:05:00 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D080919S.M
 Quant Title : SW846 8260
 QLast Update : Sat Aug 10 06:42:47 2019
 Response via : Initial Calibration

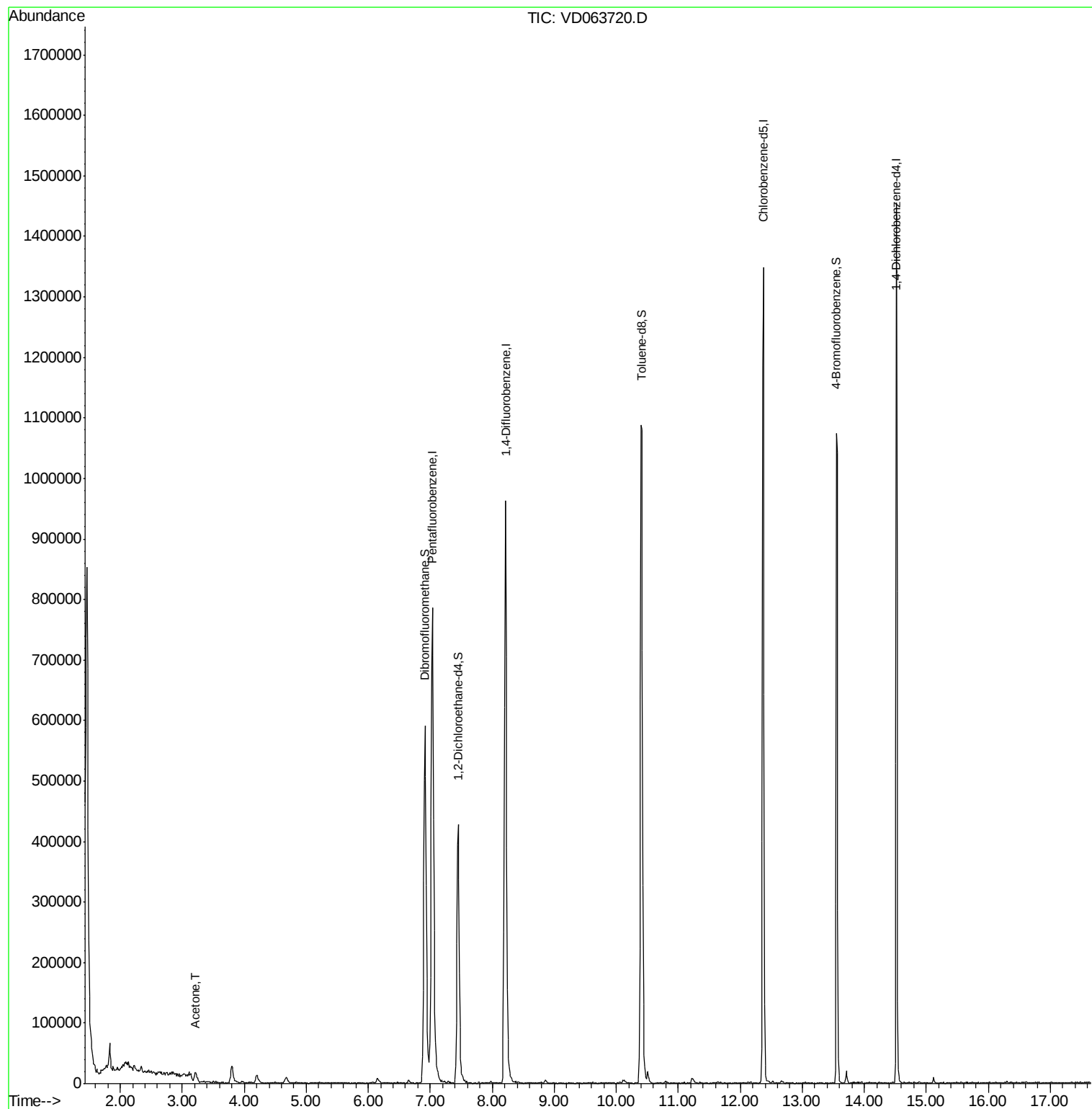
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.03	168	771102	50.00	ug/l	-0.03
34) 1,4-Difluorobenzene	8.22	114	1102099	50.00	ug/l	-0.02
63) Chlorobenzene-d5	12.37	117	735459	50.00	ug/l	-0.01
72) 1,4-Dichlorobenzene-d4	14.52	152	292637	50.00	ug/l	-0.01
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	7.45	65	473127	57.40	ug/l	-0.02
Spiked Amount 50.000			Recovery	=	114.80%	
35) Dibromofluoromethane	6.92	113	515944	55.59	ug/l	-0.02
Spiked Amount 50.000			Recovery	=	111.18%	
50) Toluene-d8	10.40	98	924349	45.30	ug/l	-0.02
Spiked Amount 50.000			Recovery	=	90.60%	
62) 4-Bromofluorobenzene	13.55	95	322036	34.82	ug/l	-0.01
Spiked Amount 50.000			Recovery	=	69.64%	
Target Compounds						
16) Acetone	3.21	43	31114	18.570	ug/l	Qvalue 99

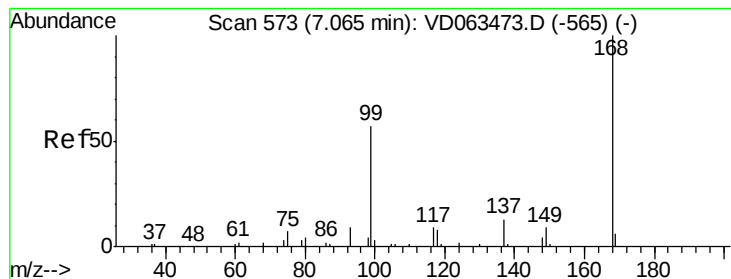
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.03 min Scan# 570

Delta R.T. -0.03 min

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MSVOA_D

ClientSampleId :

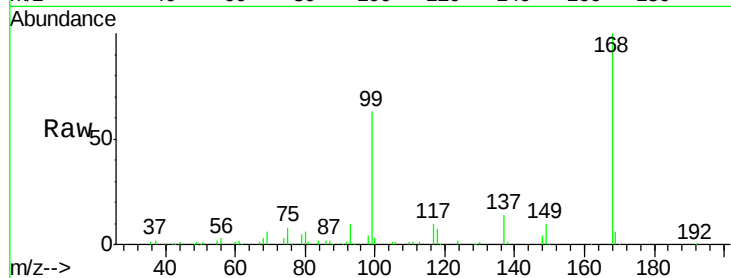
T1-L-(2.5)

Tot Ion:168 Resp: 771102

Ion Ratio Lower Upper

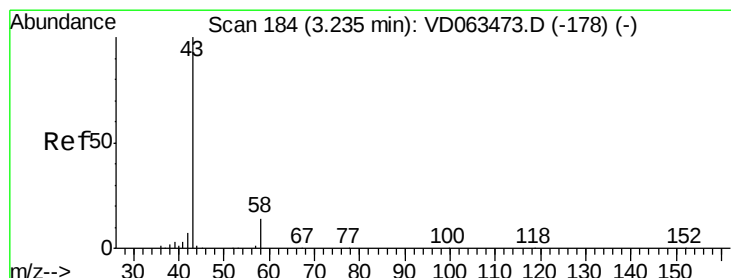
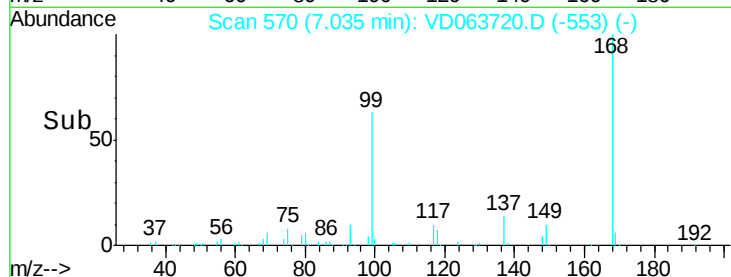
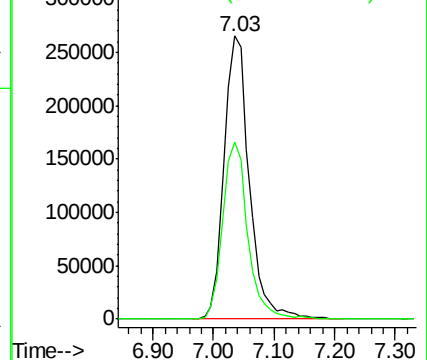
168 100

99 62.6 46.7 70.1



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.95 (98.65 to 99.65): VDC



#16

Acetone

Concen: 18.570 ug/l

RT: 3.21 min Scan# 181

Delta R.T. -0.03 min

Lab File: VD063720.D

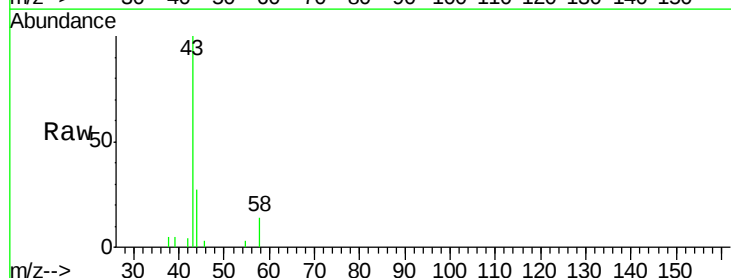
Acq: 21 Aug 2019 18:32

Tgt Ion: 43 Resp: 31114

Ion Ratio Lower Upper

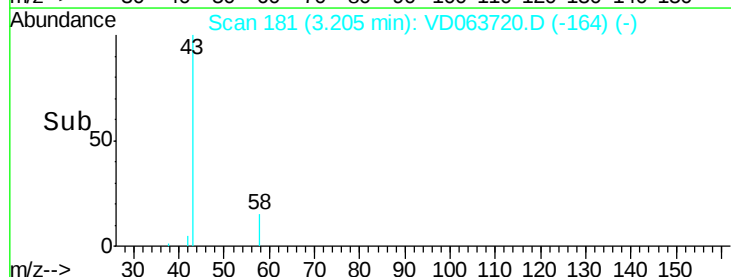
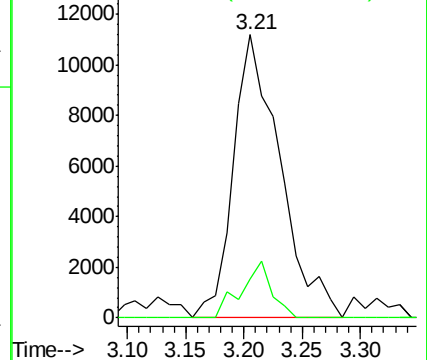
43 100

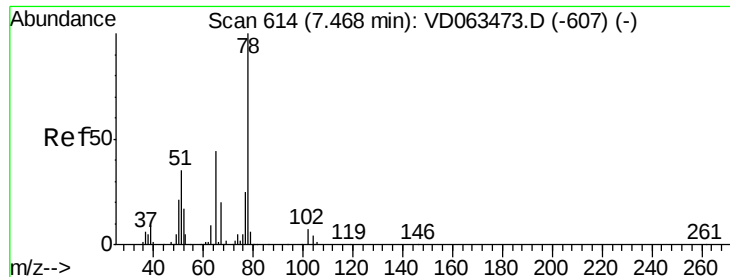
58 13.9 11.4 17.2



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: 57.401 ug/l

RT: 7.45 min Scan# 612

Delta R.T. -0.02 min

Lab File: VD063720.D

Acq: 21 Aug 2019 18:32

Instrument :

MSVOA_D

ClientSampleId :

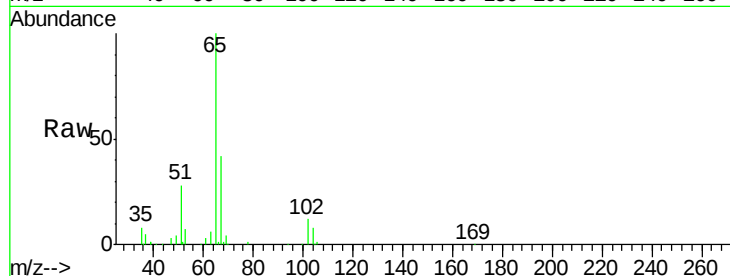
T1-L-(2.5)

Tot Ion: 65 Resp: 473127

Ion Ratio Lower Upper

65 100

67 42.3 0.0 89.2



Abundance Ion 64.95 (64.65 to 65.65): VDC

Ion 66.90 (66.60 to 67.60): VDC

7.45

200000

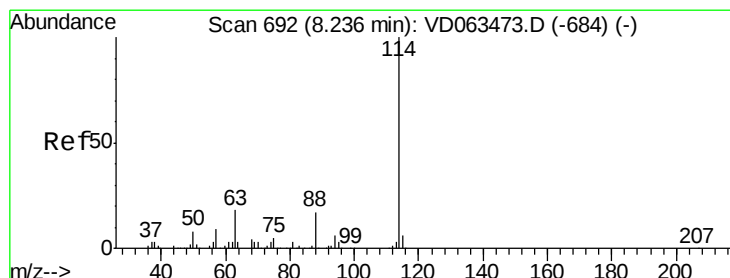
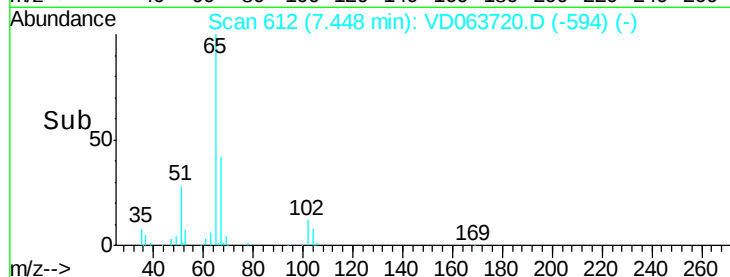
150000

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. -0.02 min

Lab File: VD063720.D

Acq: 21 Aug 2019 18:32

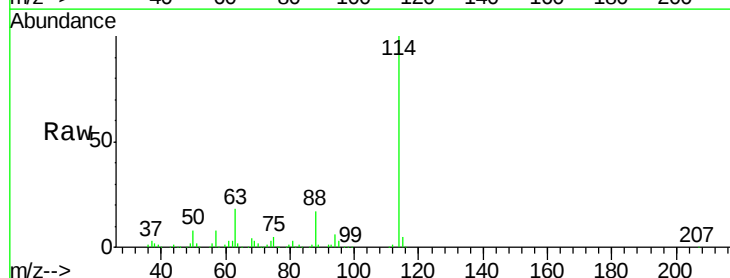
Tgt Ion: 114 Resp: 1102099

Ion Ratio Lower Upper

114 100

63 17.7 0.0 36.2

88 17.2 0.0 35.0



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

8.22

600000

500000

400000

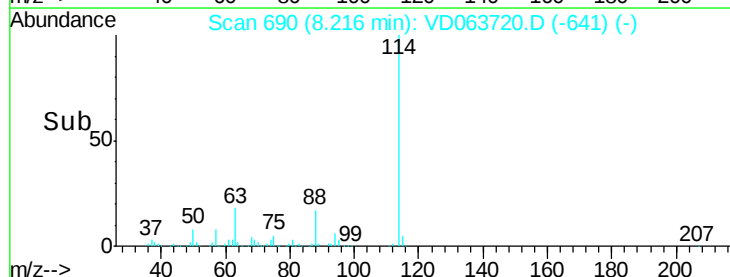
300000

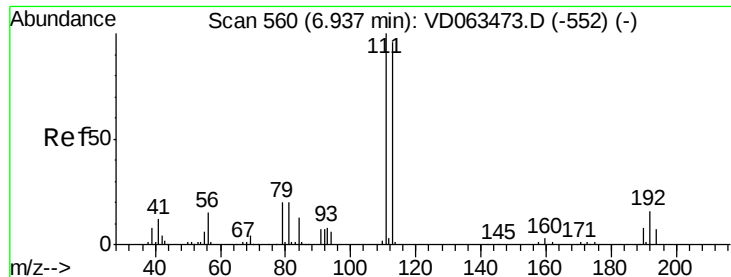
200000

100000

0

Time--> 8.10 8.20 8.30 8.40





#35

Dibromofluoromethane

Concen: 55.586 ug/l

RT: 6.92 min Scan# 558

Delta R.T. -0.02 min

Lab File: VD063720.D

Acq: 21 Aug 2019 18:32

Instrument :

MSVOA_D

ClientSampleId :

T1-L-(2.5)

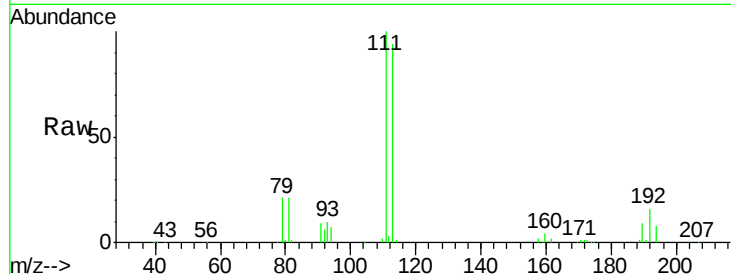
Tot Ion:113 Resp: 515944

Ion Ratio Lower Upper

113 100

111 106.1 83.1 124.7

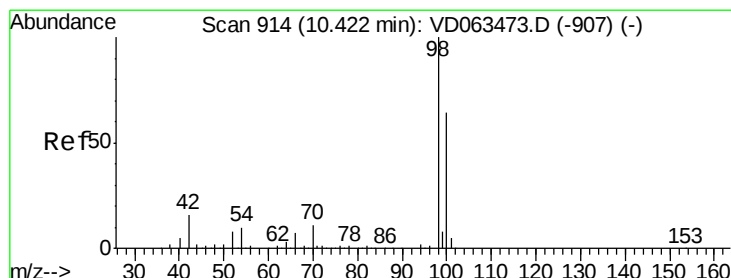
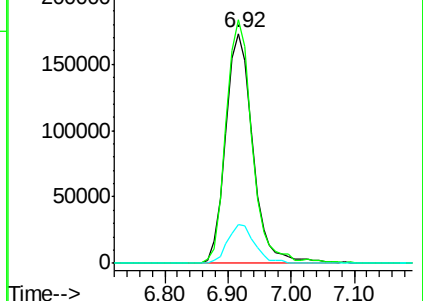
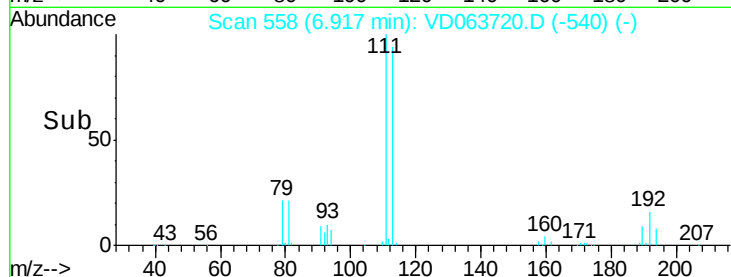
192 16.9 13.1 19.7



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: 45.296 ug/l

RT: 10.40 min Scan# 912

Delta R.T. -0.02 min

Lab File: VD063720.D

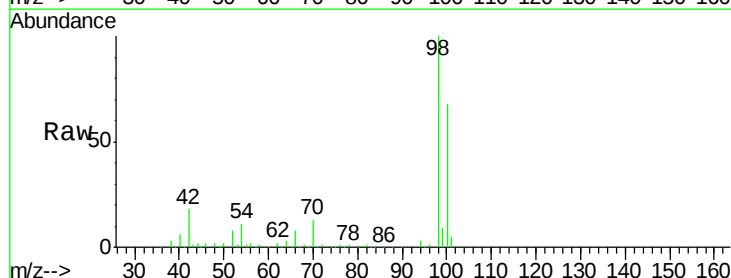
Acq: 21 Aug 2019 18:32

Tgt Ion: 98 Resp: 924349

Ion Ratio Lower Upper

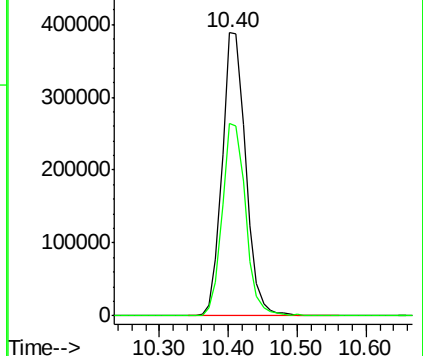
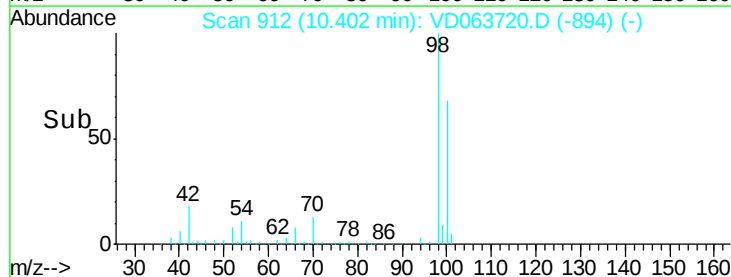
98 100

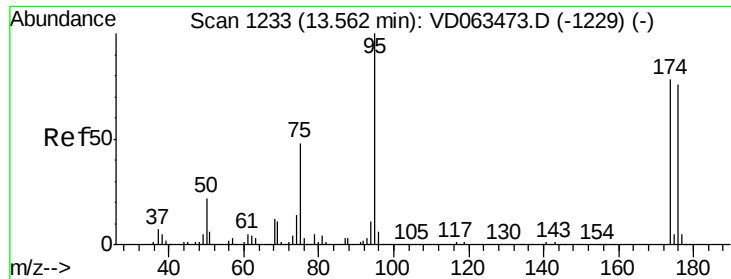
100 67.8 51.7 77.5



Abundance Ion 98.05 (97.75 to 98.75): V

Ion 100.05 (99.75 to 100.75): V





#62

4-Bromofluorobenzene

Concen: 34.818 ug/l

RT: 13.55 min Scan# 1232

Delta R.T. -0.01 min

Lab File: VD063720.D

Acq: 21 Aug 2019 18:32

Instrument :

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ClientSampleId :

T1-L-(2.5)

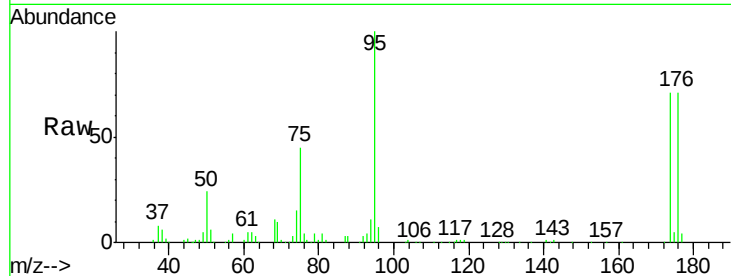
Tot Ion: 95 Resp: 322036

Ion Ratio Lower Upper

95 100

174 71.0 0.0 155.4

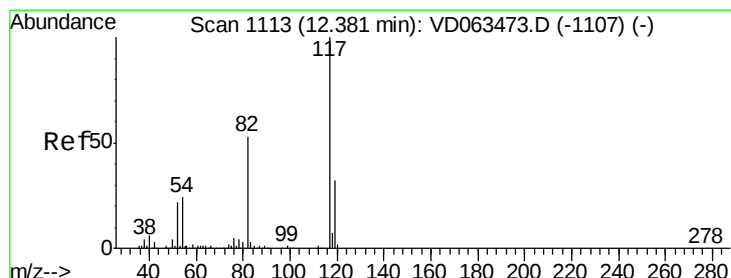
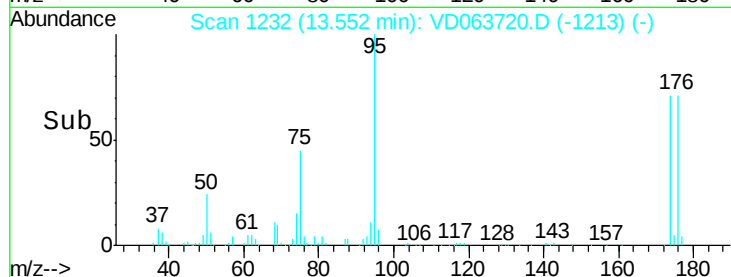
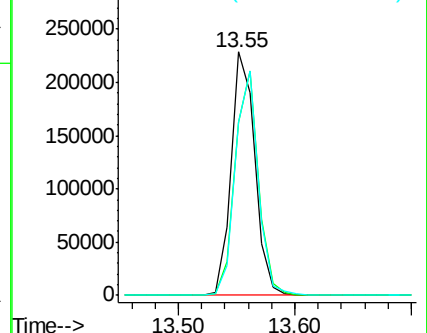
176 71.4 0.0 152.4



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: VD063720.D

Acq: 21 Aug 2019 18:32

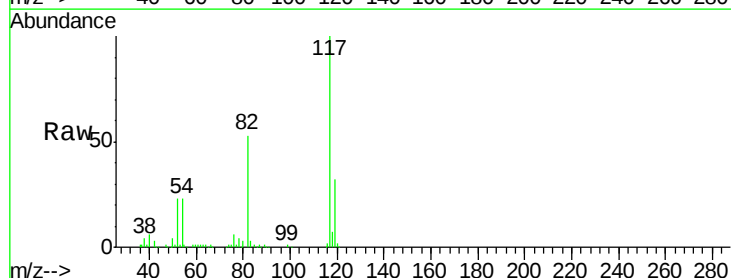
Tgt Ion: 117 Resp: 735459

Ion Ratio Lower Upper

117 100

82 53.0 42.0 63.0

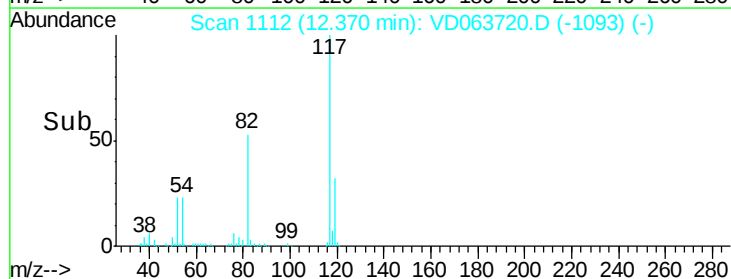
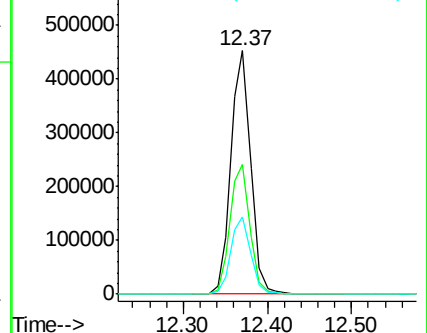
119 31.9 25.4 38.0

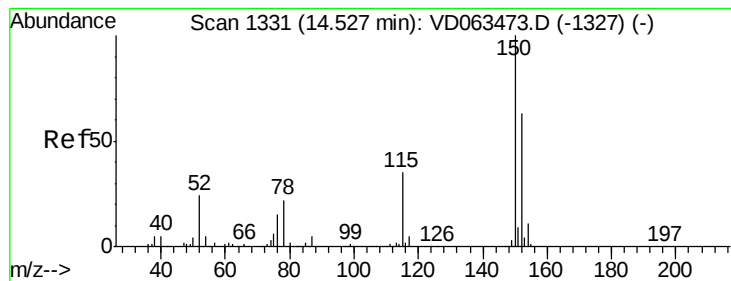


Abundance Ion 116.95 (116.65 to 117.65): V

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. -0.01 min

Lab File: VD063720.D

Acq: 21 Aug 2019 18:32

Instrument :

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ClientSampleId :

T1-L-(2.5)

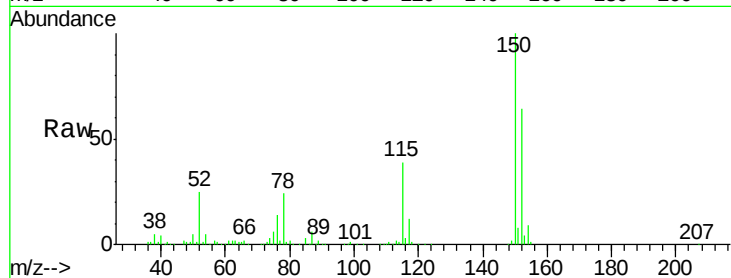
Tot Ion:152 Resp: 292637

Ion Ratio Lower Upper

152 100

115 61.5 30.9 92.7

150 157.2 0.0 318.6



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

