

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD080319\
 Data File : VD063358.D
 Acq On : 3 Aug 2019 13:46
 Operator : VA/AP
 Sample : K4136-03
 Misc : 5.46g/5ml/MSVOA D/SOIL
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 1S-C2-(0-1)

Quant Time: Aug 04 06:25:06 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

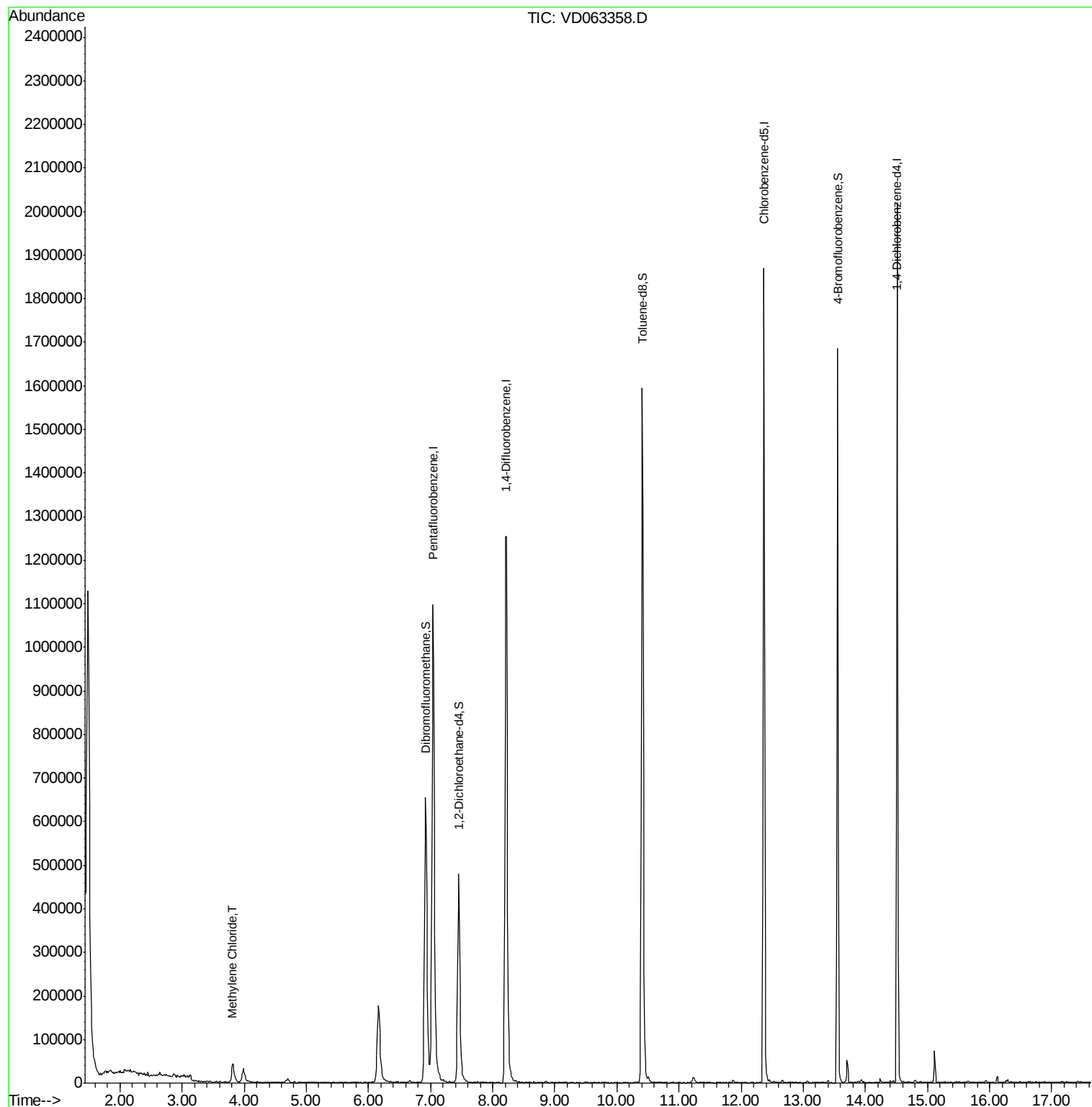
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.04	168	1017005	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.22	114	1434554	50.00	ug/l	0.01
63) Chlorobenzene-d5	12.37	117	1062123	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	14.51	152	447725	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	7.45	65	531413	47.09	ug/l	0.01
Spiked Amount 50.000			Recovery	=	94.18%	
35) Dibromofluoromethane	6.92	113	582270	47.54	ug/l	0.01
Spiked Amount 50.000			Recovery	=	95.08%	
50) Toluene-d8	10.41	98	1299284	47.40	ug/l	0.00
Spiked Amount 50.000			Recovery	=	94.80%	
62) 4-Bromofluorobenzene	13.56	95	476971	38.18	ug/l	0.00
Spiked Amount 50.000			Recovery	=	76.36%	
Target Compounds						
20) Methylene Chloride	3.81	84	25563	2.876	ug/l #	Qvalue 85

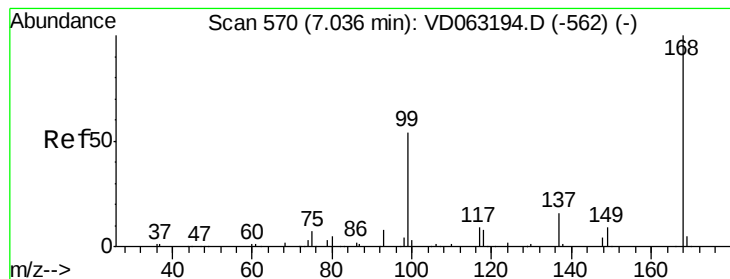
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.04 min Scan# 570

Delta R.T. 0.00 min

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MSVOA_D

ClientSampleId :

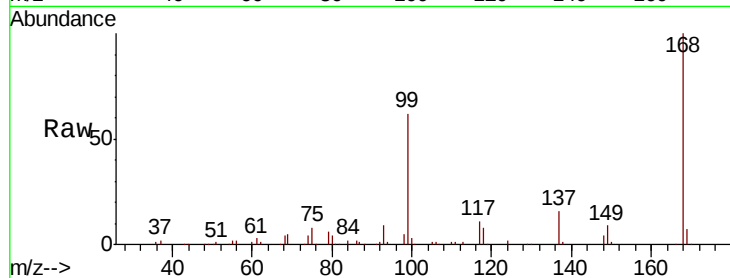
1S-C2-(0-1)

Tot Ion:168 Resp: 1017005

Ion Ratio Lower Upper

168 100

99 61.7 43.7 65.5



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.95 (98.65 to 99.65): VDC

7.04

400000

300000

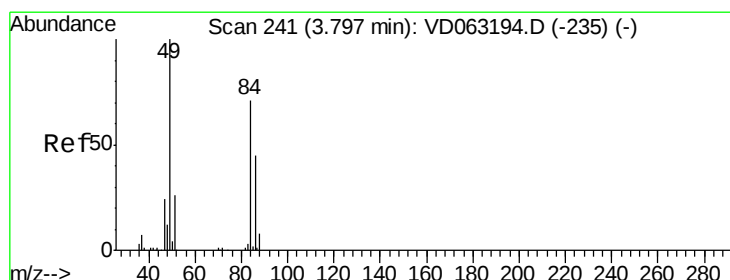
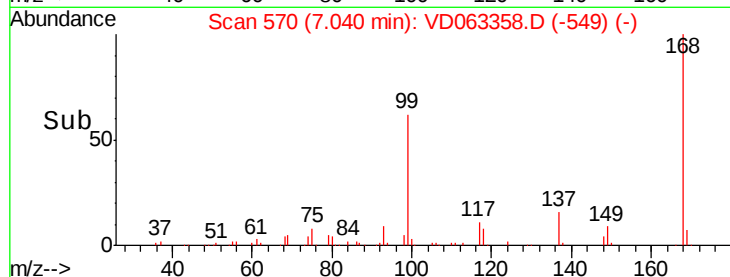
200000

100000

0

6.90 7.00 7.10 7.20

Time-->



#20

Methylene Chloride

Concen: 2.876 ug/l

RT: 3.81 min Scan# 242

Delta R.T. 0.01 min

Lab File: VD063358.D

Acq: 3 Aug 2019 13:46

Tgt Ion: 84 Resp: 25563

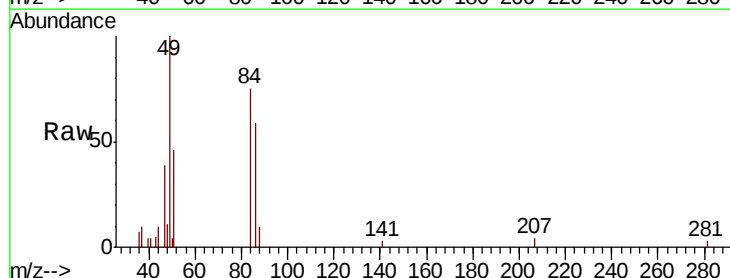
Ion Ratio Lower Upper

84 100

49 133.2 112.5 168.7

51 61.5 29.6 44.4#

86 78.8 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

15000

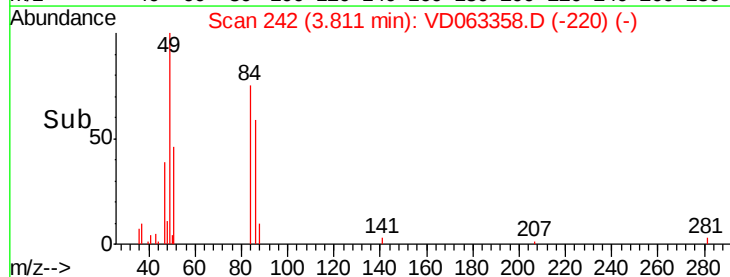
10000

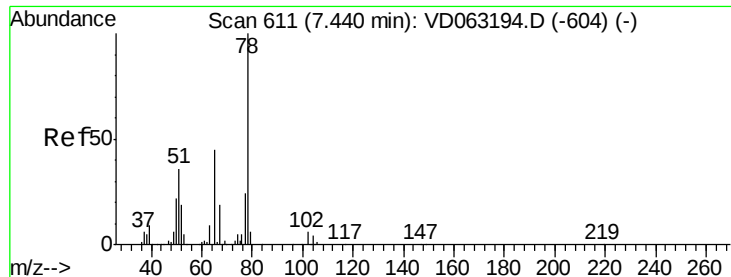
5000

0

3.70 3.80 3.90

Time-->





#33

1,2-Dichloroethane-d4

Concen: 47.092 ug/l

RT: 7.45 min Scan# 612

Delta R.T. 0.01 min

Lab File: VD063358.D

Acq: 3 Aug 2019 13:46

Instrument :

MSVOA_D

ClientSampleId :

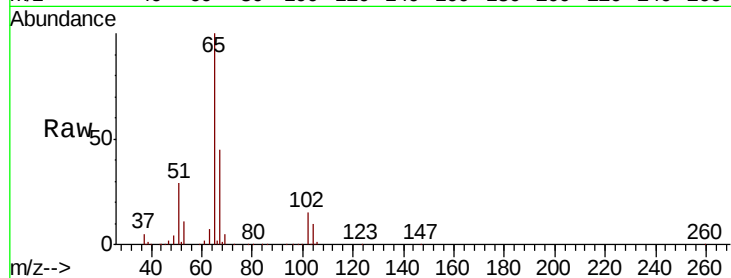
1S-C2-(0-1)

Tot Ion: 65 Resp: 531413

Ion Ratio Lower Upper

65 100

67 45.4 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

200000

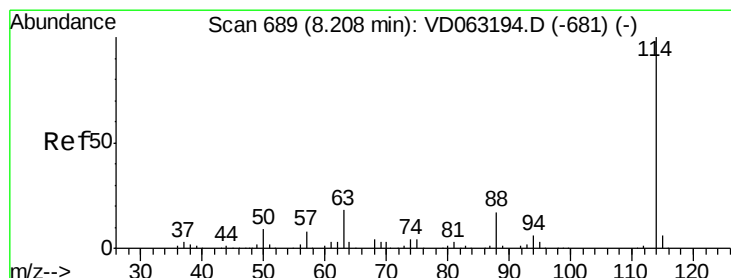
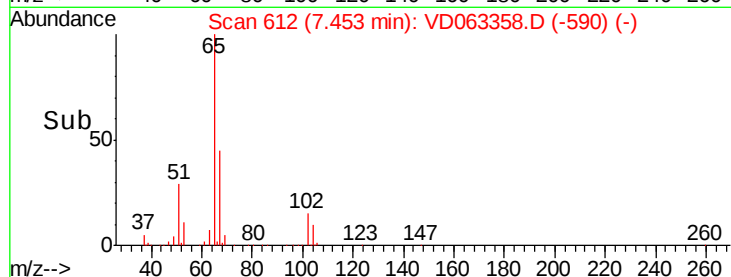
150000

100000

50000

0

Time-->



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.22 min Scan# 690

Delta R.T. 0.01 min

Lab File: VD063358.D

Acq: 3 Aug 2019 13:46

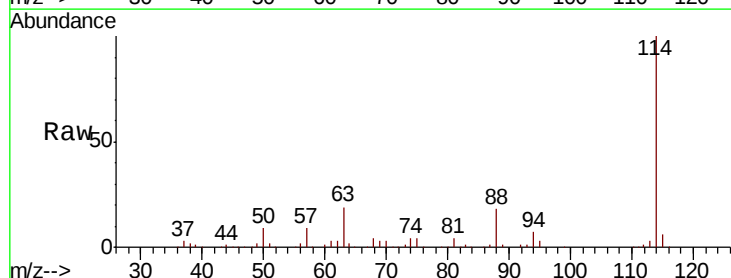
Tgt Ion: 114 Resp: 1434554

Ion Ratio Lower Upper

114 100

63 19.0 0.0 35.2

88 17.7 0.0 34.6



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

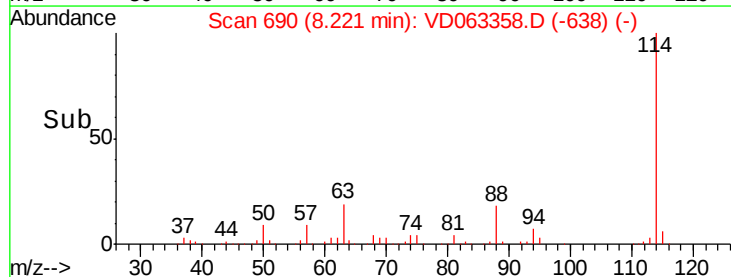
600000

400000

200000

0

Time-->

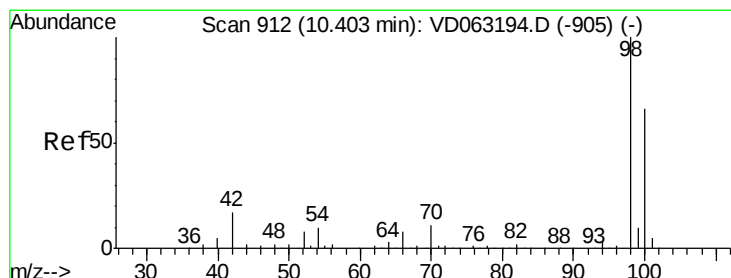
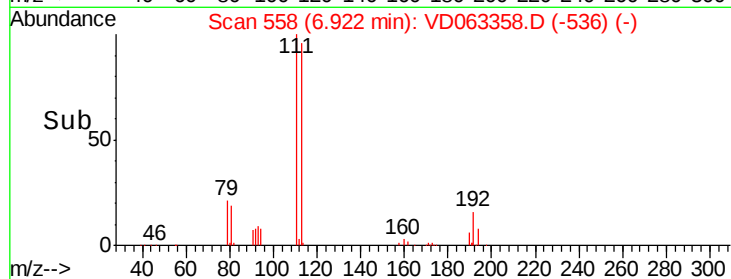
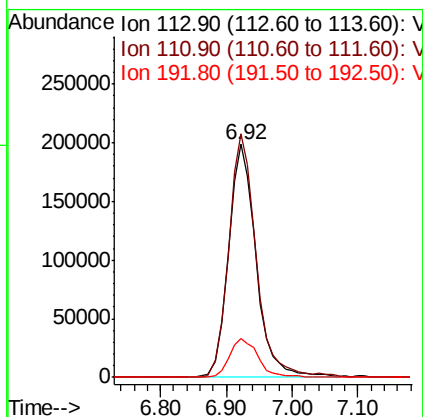
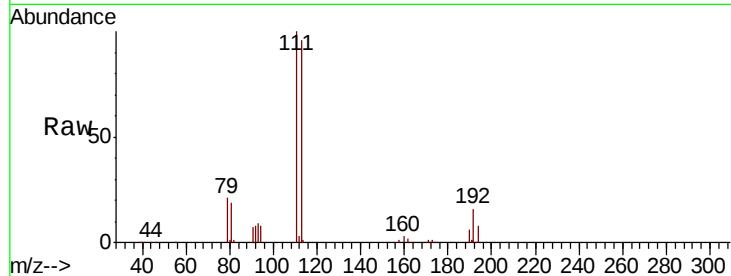




#35
Dibromofluoromethane
Concen: 47.540 ug/l
RT: 6.92 min Scan# 558
Delta R.T. 0.01 min
Lab File: VD063358.D
Acq: 3 Aug 2019 13:46

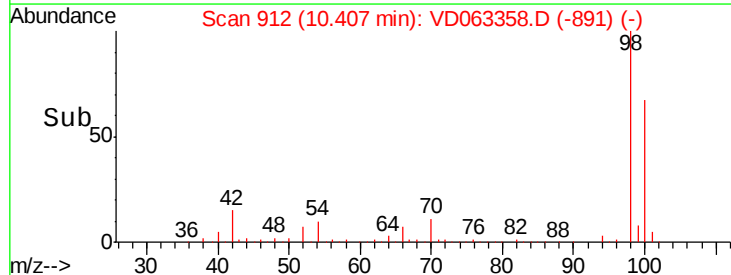
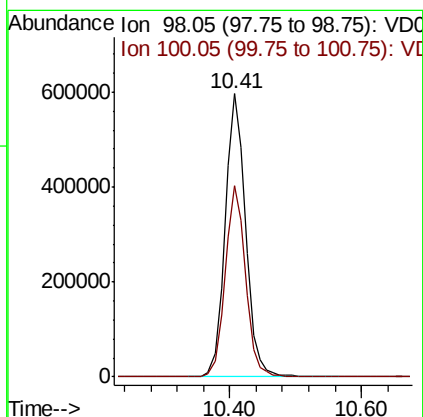
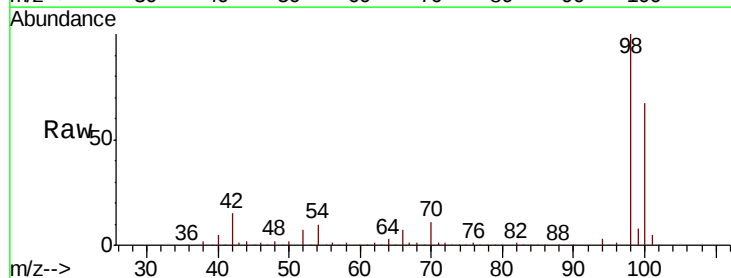
Instrument :
MSVOA_D
ClientSampleId :
1S-C2-(0-1)

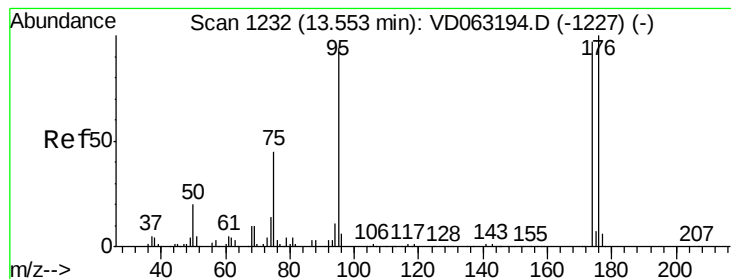
Tot Ion:113 Resp: 582270
Ion Ratio Lower Upper
113 100
111 104.5 83.2 124.8
192 16.6 11.8 17.8



#50
Toluene-d8
Concen: 47.400 ug/l
RT: 10.41 min Scan# 912
Delta R.T. 0.00 min
Lab File: VD063358.D
Acq: 3 Aug 2019 13:46

Tgt Ion: 98 Resp: 1299284
Ion Ratio Lower Upper
98 100
100 67.5 53.2 79.8





#62

4-Bromofluorobenzene

Concen: 38.185 ug/l

RT: 13.56 min Scan# 1232

Delta R.T. 0.00 min

Lab File: VD063358.D

Acq: 3 Aug 2019 13:46

Instrument :

MSVOA_D

ClientSampleId :

1S-C2-(0-1)

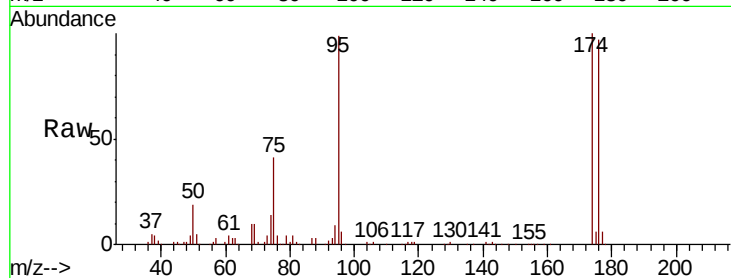
Tot Ion: 95 Resp: 476971

Ion Ratio Lower Upper

95 100

174 101.4 0.0 205.4

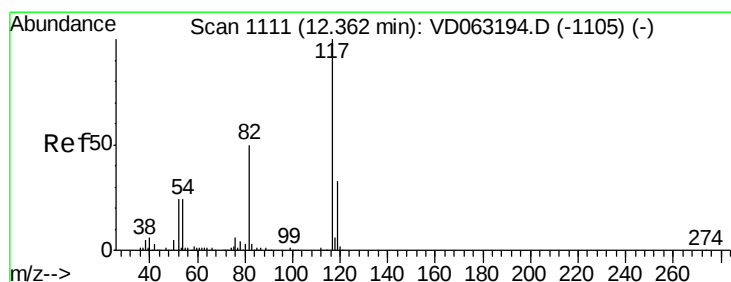
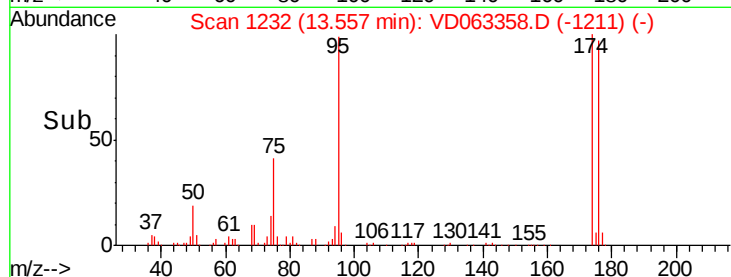
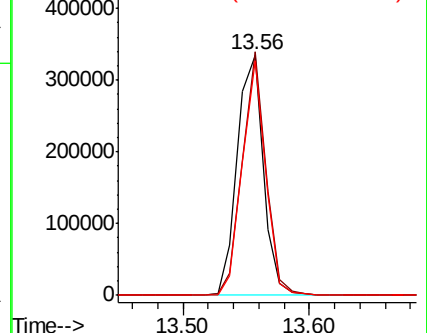
176 98.0 0.0 211.8



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# 1111

Delta R.T. 0.00 min

Lab File: VD063358.D

Acq: 3 Aug 2019 13:46

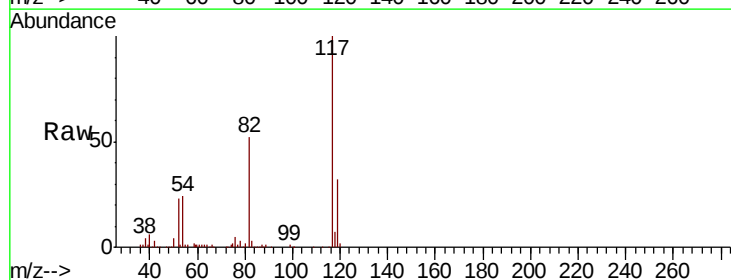
Tgt Ion: 117 Resp: 1062123

Ion Ratio Lower Upper

117 100

82 52.0 40.1 60.1

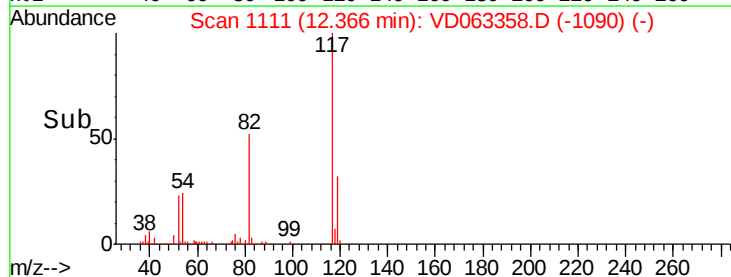
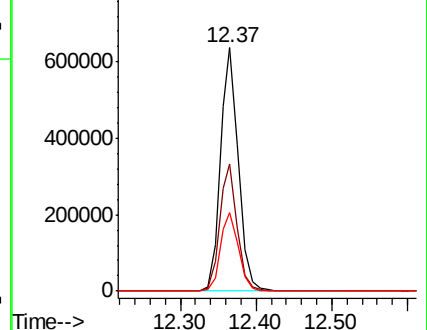
119 32.0 26.5 39.7

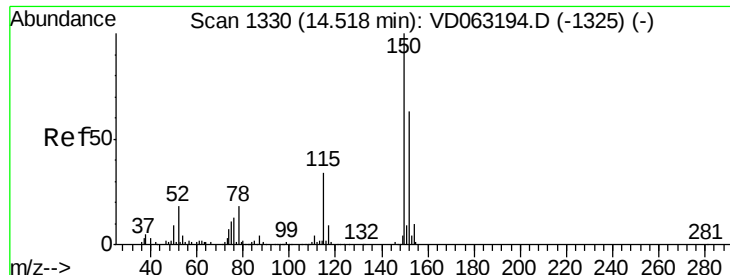


Abundance Ion 116.95 (116.65 to 117.65): V

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: 14.51 min Scan# 1329

Delta R.T. -0.01 min

Lab File: VD063358.D

Acq: 3 Aug 2019 13:46

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1S-C2-(0-1)

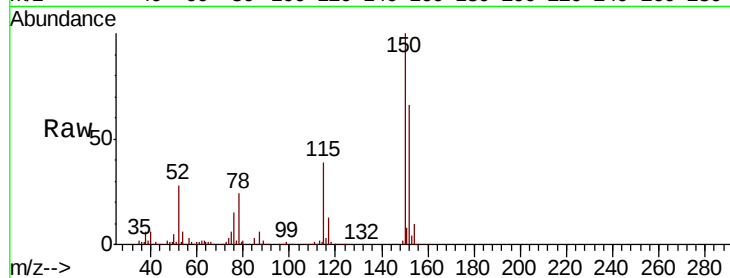
Tot Ion:152 Resp: 447725

Ion Ratio Lower Upper

152 100

115 59.4 27.5 82.4

150 151.6 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

