

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD080219\
 Data File : VD063348.D
 Acq On : 3 Aug 2019 7:21
 Operator : VA/AP
 Sample : K4129-10
 Misc : 5.68g/5ml/MSVOA D/SOIL
 ALS Vial : 47 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 2S-E2-(30)

Quant Time: Aug 04 05:13:30 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

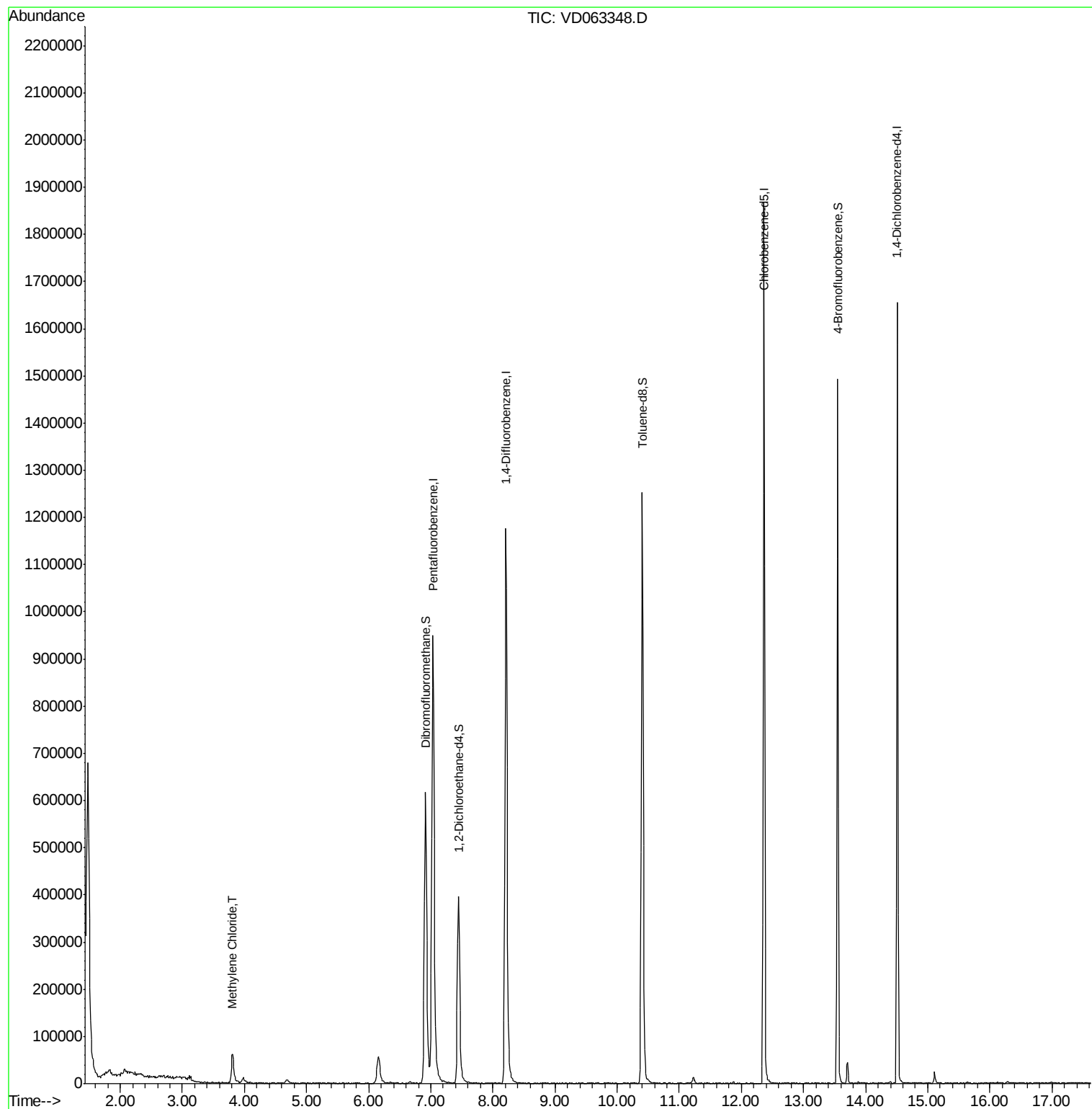
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.04	168	907989	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.21	114	1248463	50.00	ug/l	0.00
63) Chlorobenzene-d5	12.36	117	958821	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	14.52	152	401798	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	7.45	65	493652	49.00	ug/l	0.00
Spiked Amount 50.000			Recovery	=	98.00%	
35) Dibromofluoromethane	6.92	113	532230	49.93	ug/l	0.00
Spiked Amount 50.000			Recovery	=	99.86%	
50) Toluene-d8	10.40	98	1012886	42.46	ug/l	0.00
Spiked Amount 50.000			Recovery	=	84.92%	
62) 4-Bromofluorobenzene	13.55	95	408500	37.58	ug/l	0.00
Spiked Amount 50.000			Recovery	=	75.16%	
Target Compounds						
20) Methylene Chloride	3.81	84	36712	4.627	ug/l #	91

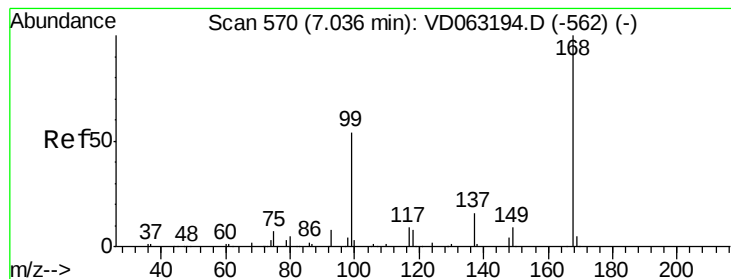
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
QLast Update : Tue Jul 30 03:04:50 2019
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.04 min Scan# 570

Delta R.T. -0.00 min

Lab File: VD063348.D

Acq: 3 Aug 2019 7:21

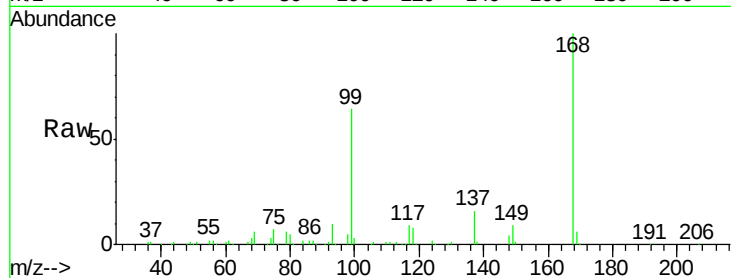
Instrument :
MSVOA_D
ClientSampleId :
2S-E2-(30)

Tot Ion:168 Resp: 907989

Ion Ratio Lower Upper

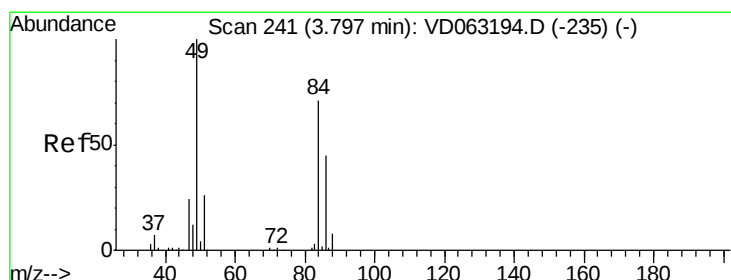
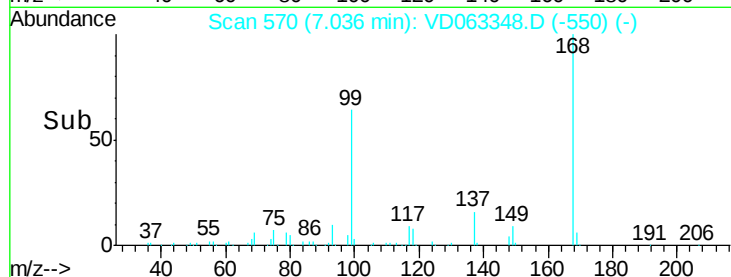
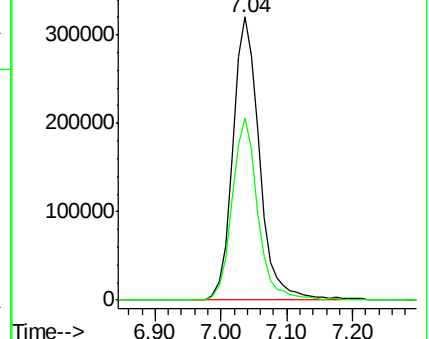
168 100

99 64.2 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: 4.627 ug/l

RT: 3.81 min Scan# 242

Delta R.T. 0.01 min

Lab File: VD063348.D

Acq: 3 Aug 2019 7:21

Tgt Ion: 84 Resp: 36712

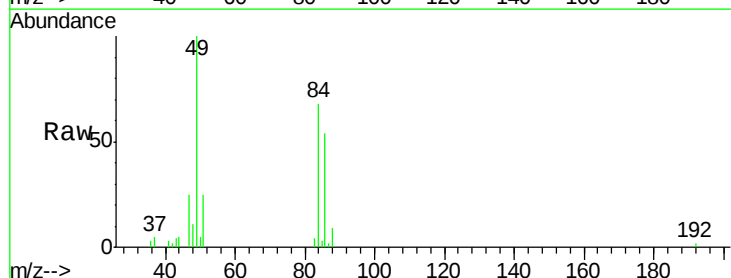
Ion Ratio Lower Upper

84 100

49 147.6 112.5 168.7

51 37.2 29.6 44.4

86 80.3 50.4 75.6#

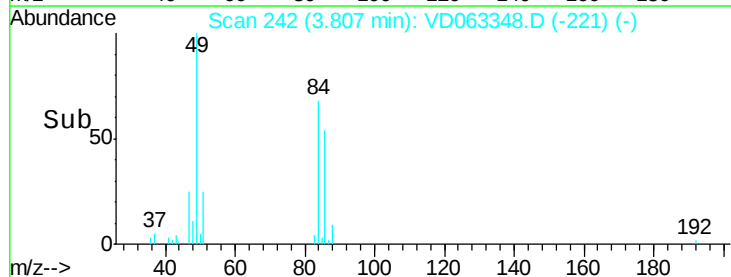
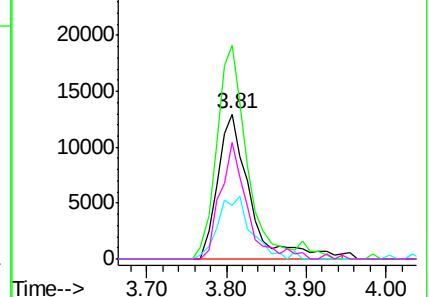


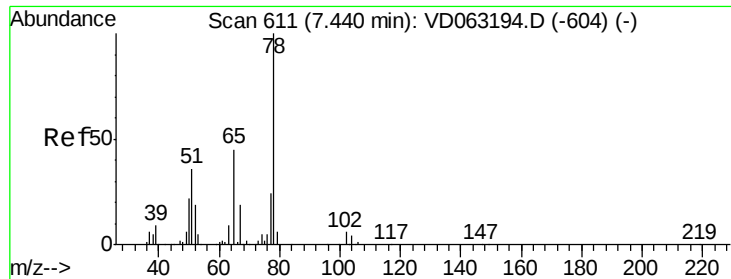
Abundance Ion 83.95 (83.65 to 84.65): VDC

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: 48.998 ug/l

RT: 7.45 min Scan# 612

Delta R.T. 0.01 min

Lab File: VD063348.D

Acq: 3 Aug 2019 7:21

Instrument :

MSVOA_D

ClientSampleId :

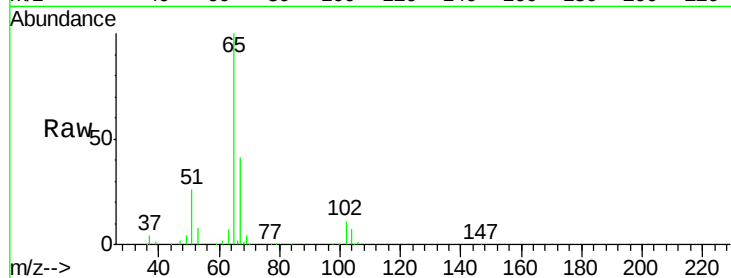
2S-E2-(30)

Tot Ion: 65 Resp: 493652

Ion Ratio Lower Upper

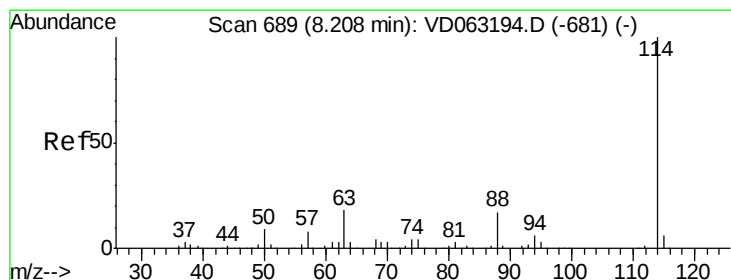
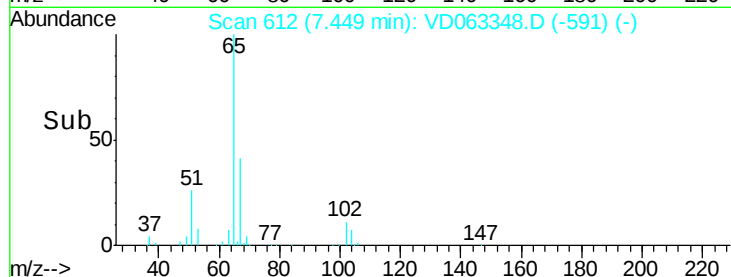
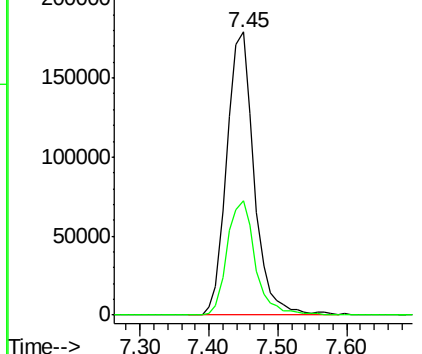
65 100

67 40.6 0.0 85.8



Abundance Ion 64.95 (64.65 to 65.65): VDC

Ion 66.90 (66.60 to 67.60): VDC



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.21 min Scan# 689

Delta R.T. -0.00 min

Lab File: VD063348.D

Acq: 3 Aug 2019 7:21

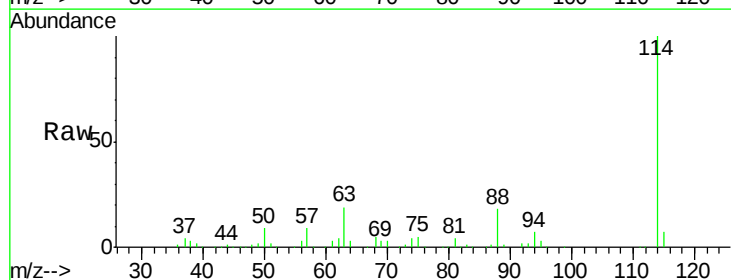
Tgt Ion: 114 Resp: 1248463

Ion Ratio Lower Upper

114 100

63 19.1 0.0 35.2

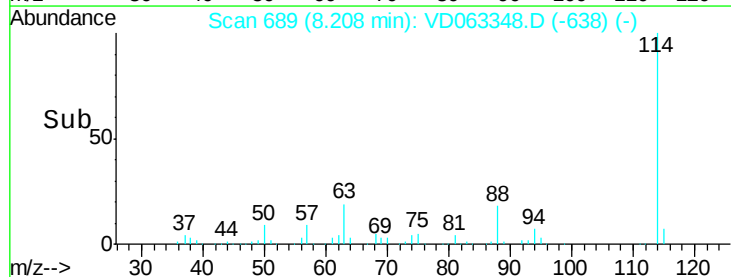
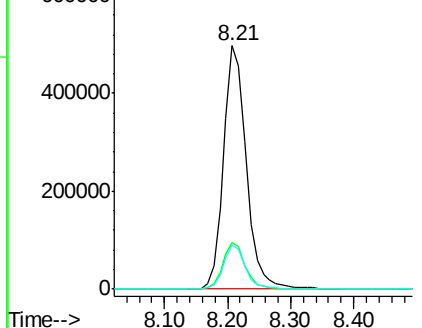
88 17.9 0.0 34.6

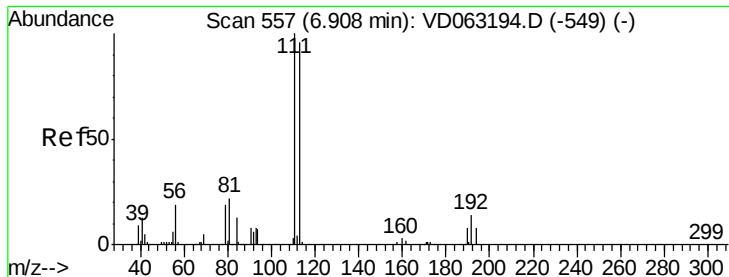


Abundance Ion 114.00 (113.70 to 114.70): V

Ion 62.95 (62.65 to 63.65): VDC

Ion 87.90 (87.60 to 88.60): VDC





#35

Dibromofluoromethane

Concen: 49.931 ug/l

RT: 6.92 min Scan# 558

Delta R.T. 0.01 min

Lab File: VD063348.D

Acq: 3 Aug 2019 7:21

Instrument :

MSVOA_D

ClientSampleId :

2S-E2-(30)

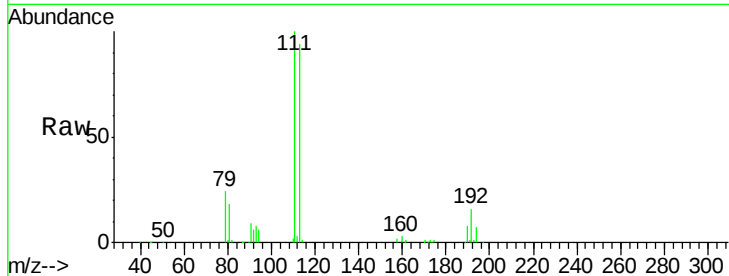
Tot Ion:113 Resp: 532230

Ion Ratio Lower Upper

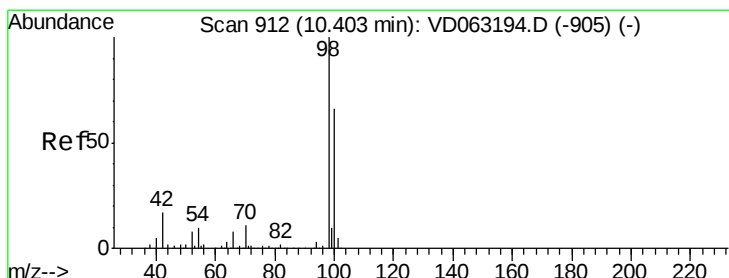
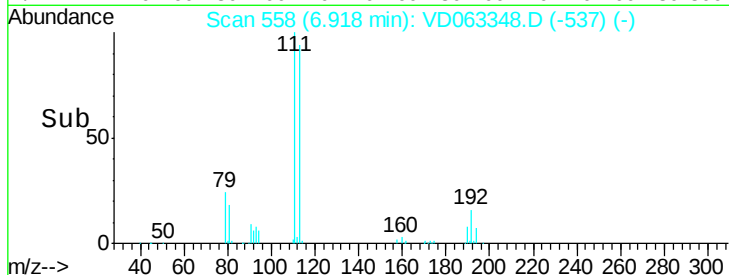
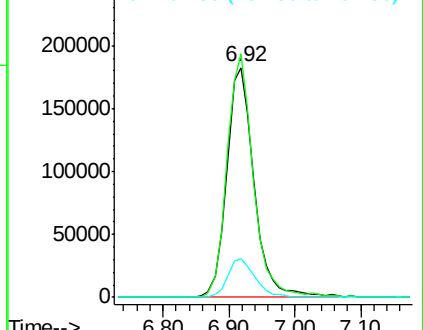
113 100

111 106.0 83.2 124.8

192 16.9 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: 42.460 ug/l

RT: 10.40 min Scan# 912

Delta R.T. -0.00 min

Lab File: VD063348.D

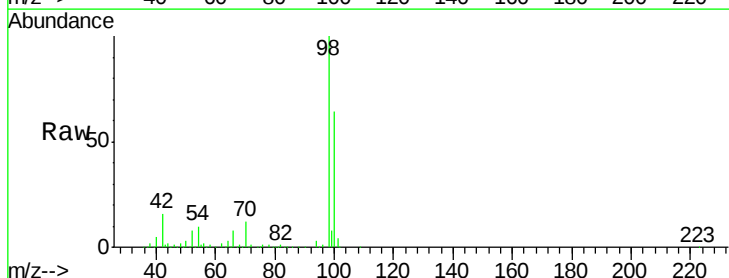
Acq: 3 Aug 2019 7:21

Tgt Ion: 98 Resp: 1012886

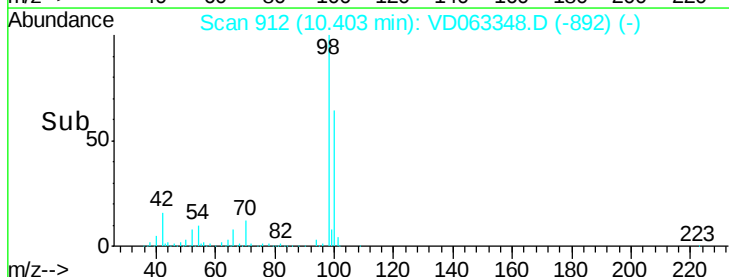
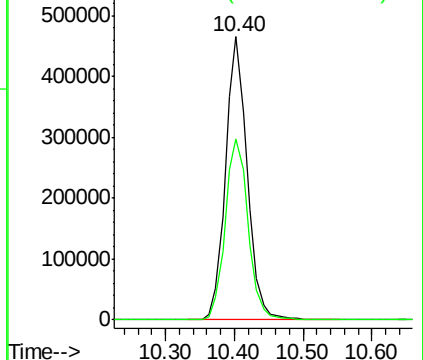
Ion Ratio Lower Upper

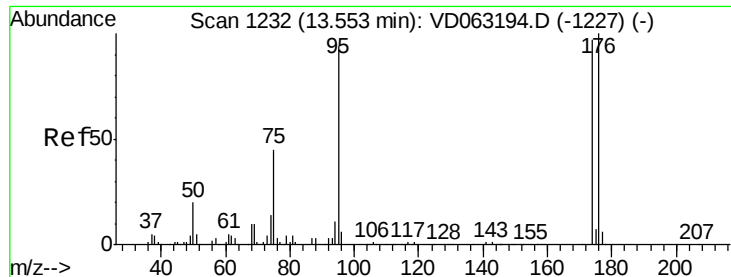
98 100

100 64.0 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: 37.578 ug/l

RT: 13.55 min Scan# 1232

Delta R.T. -0.00 min

Lab File: VD063348.D

Acq: 3 Aug 2019 7:21

Instrument :

MSVOA_D

ClientSampleId :

2S-E2-(30)

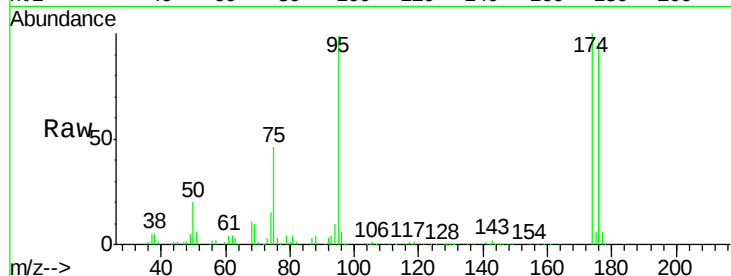
Tot Ion: 95 Resp: 408500

Ion Ratio Lower Upper

95 100

174 101.1 0.0 205.4

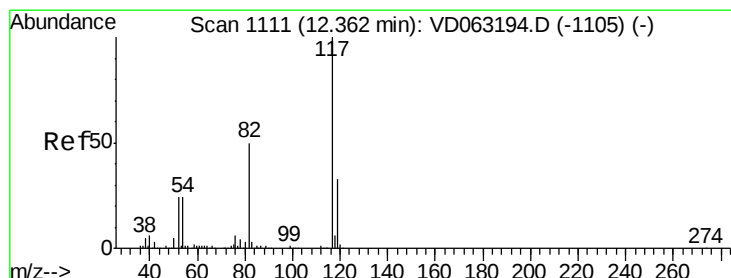
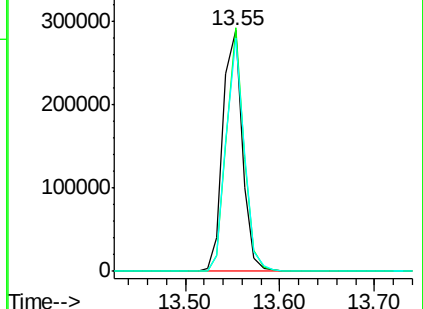
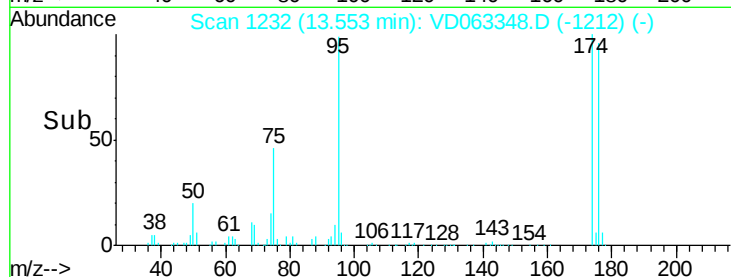
176 97.0 0.0 211.8



Abundance Ion 95.00 (94.70 to 95.70): VD063348.D (-1212) (-)

Ion 173.90 (173.60 to 174.60): VD063348.D (-1212) (-)

Ion 175.90 (175.60 to 176.60): VD063348.D (-1212) (-)



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 12.36 min Scan# 1111

Delta R.T. -0.00 min

Lab File: VD063348.D

Acq: 3 Aug 2019 7:21

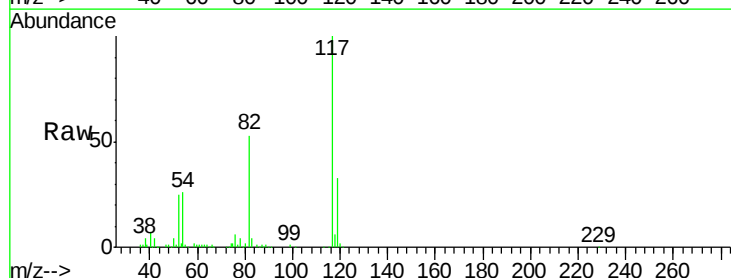
Tgt Ion: 117 Resp: 958821

Ion Ratio Lower Upper

117 100

82 53.1 40.1 60.1

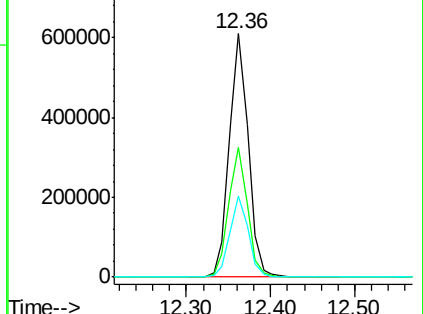
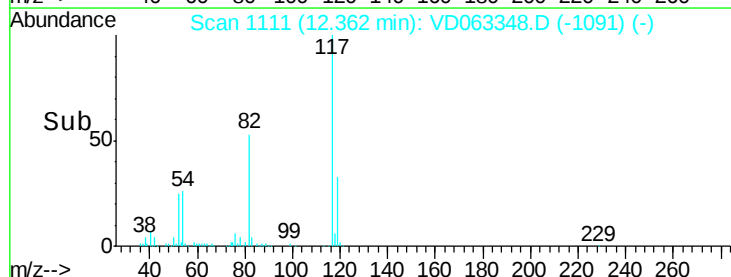
119 33.3 26.5 39.7

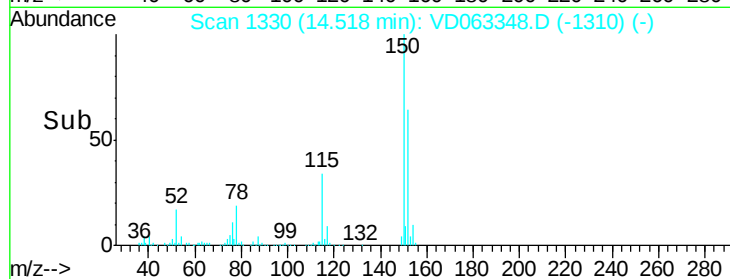
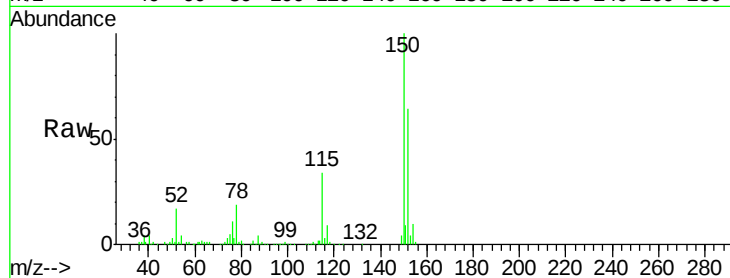
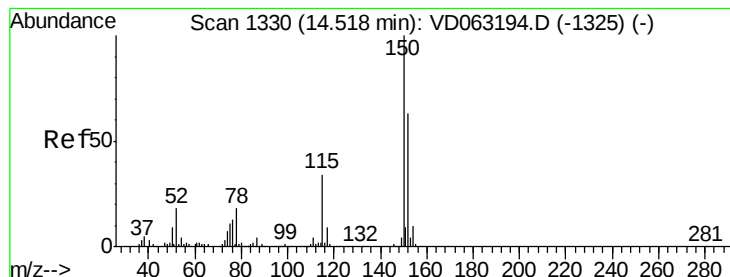


Abundance Ion 116.95 (116.65 to 117.65): VD063348.D (-1091) (-)

Ion 82.05 (81.75 to 82.75): VD063348.D (-1091) (-)

Ion 118.95 (118.65 to 119.65): VD063348.D (-1091) (-)





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 14.52 min Scan# 1330

Delta R.T. -0.00 min

Lab File: VD063348.D

Acq: 3 Aug 2019 7:21

Instrument :

MSVOA_D

ClientSampleId :

2S-E2-(30)

Tot Ion:152 Resp: 401798

Ion Ratio Lower Upper

152 100

115 53.6 27.5 82.4

150 155.9 0.0 320.6

