

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD080219\
 Data File : VD063345.D
 Acq On : 3 Aug 2019 5:59
 Operator : VA/AP
 Sample : K4129-06
 Misc : 5.59g/5ml/MSVOA D/SOIL
 ALS Vial : 44 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 2S-E3-(0-1)

Quant Time: Aug 04 05:09:49 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

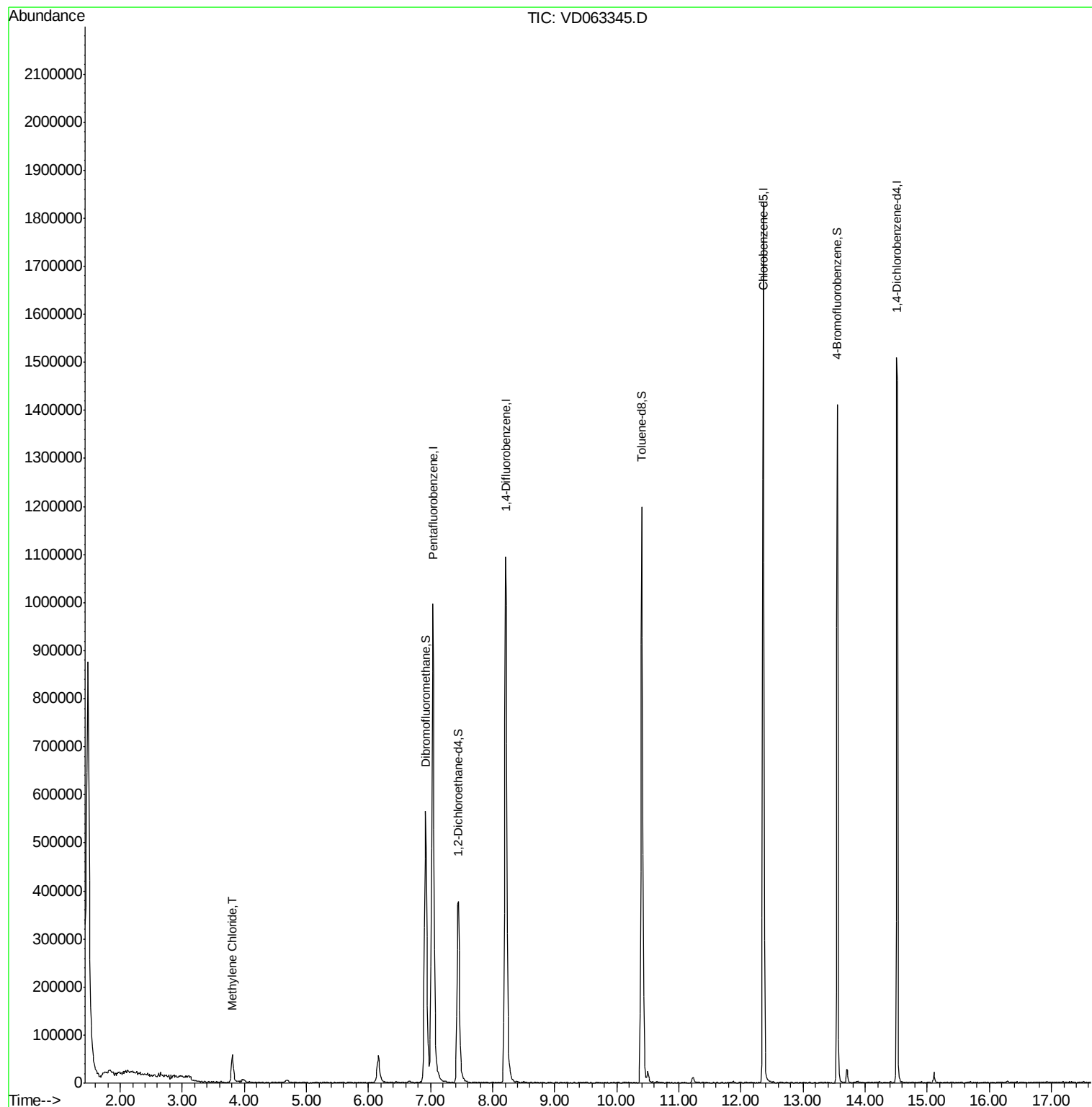
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.04	168	940676	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.21	114	1174842	50.00	ug/l	0.00
63) Chlorobenzene-d5	12.36	117	964829	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	14.52	152	361030	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	7.45	65	462553	44.32	ug/l	0.00
Spiked Amount 50.000			Recovery	=	88.64%	
35) Dibromofluoromethane	6.92	113	489463	48.80	ug/l	0.00
Spiked Amount 50.000			Recovery	=	97.60%	
50) Toluene-d8	10.40	98	954456	42.52	ug/l	0.00
Spiked Amount 50.000			Recovery	=	85.04%	
62) 4-Bromofluorobenzene	13.55	95	367676	35.94	ug/l	0.00
Spiked Amount 50.000			Recovery	=	71.88%	
Target Compounds						
20) Methylene Chloride	3.81	84	31038	3.776	ug/l #	Qvalue 86

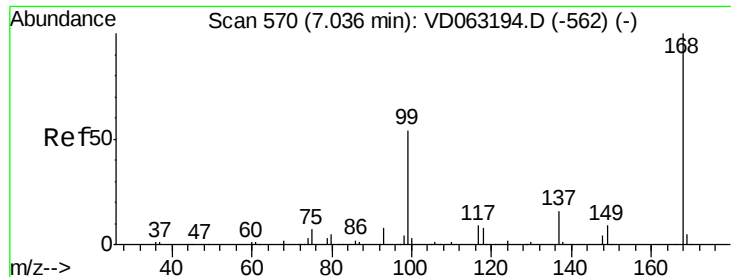
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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

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MSVOA_D

ClientSampleId :

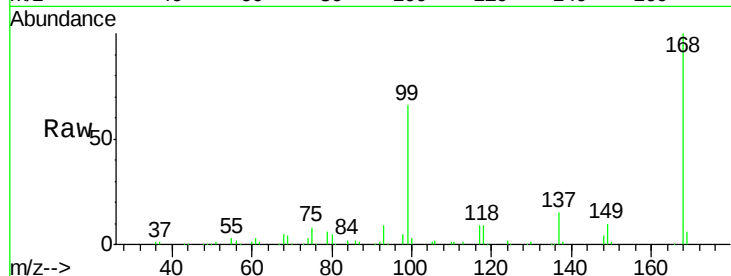
2S-E3-(0-1)

Tot Ion:168 Resp: 940676

Ion Ratio Lower Upper

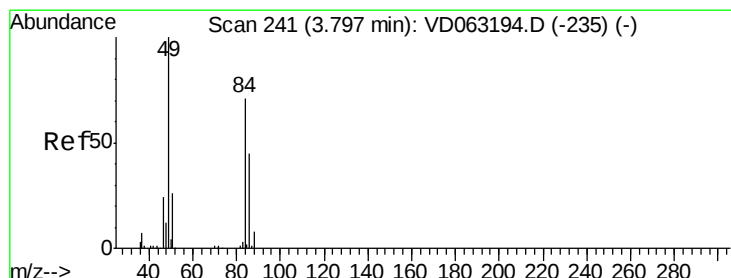
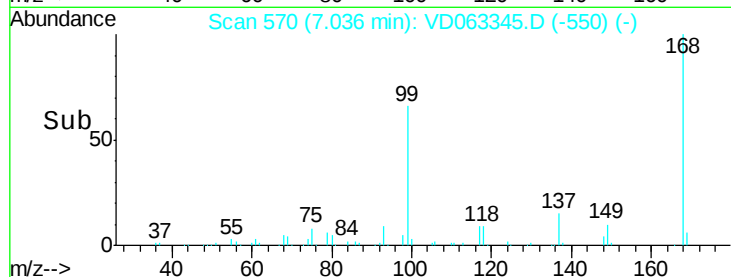
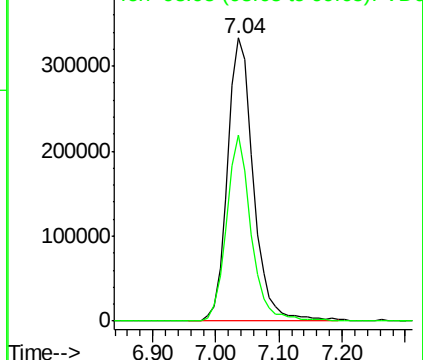
168 100

99 65.6 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: 3.776 ug/l

RT: 3.81 min Scan# 242

Delta R.T. 0.01 min

Lab File: VD063345.D

Acq: 3 Aug 2019 5:59

Tgt Ion: 84 Resp: 31038

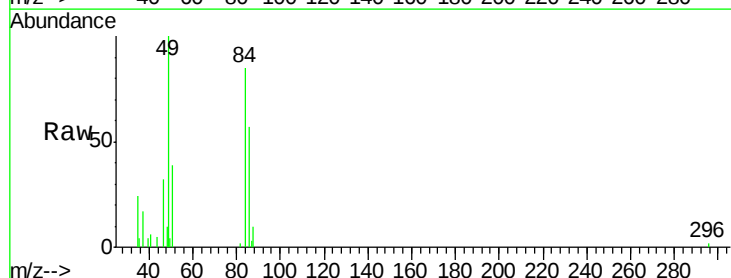
Ion Ratio Lower Upper

84 100

49 118.0 112.5 168.7

51 46.2 29.6 44.4#

86 66.8 50.4 75.6

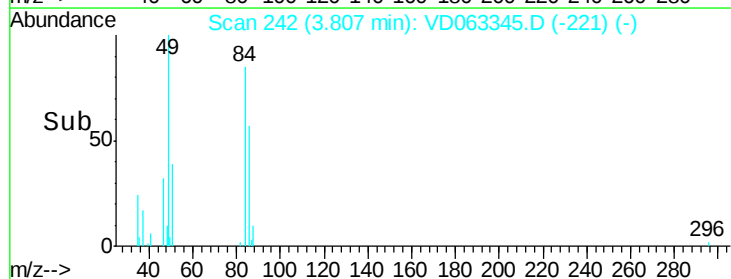
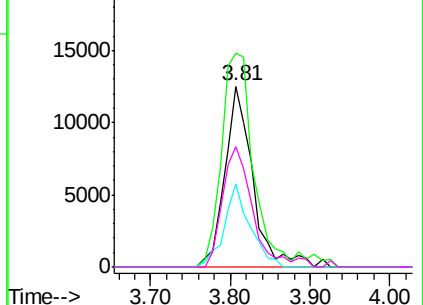


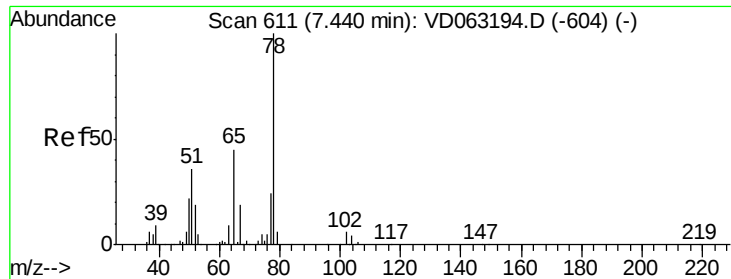
Abundance Ion 83.95 (83.65 to 84.65): VDC

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





#33

1,2-Dichloroethane-d4

Concen: 44.316 ug/l

RT: 7.45 min Scan# 612

Delta R.T. 0.01 min

Lab File: VD063345.D

Acq: 3 Aug 2019 5:59

Instrument :

MSVOA_D

ClientSampleId :

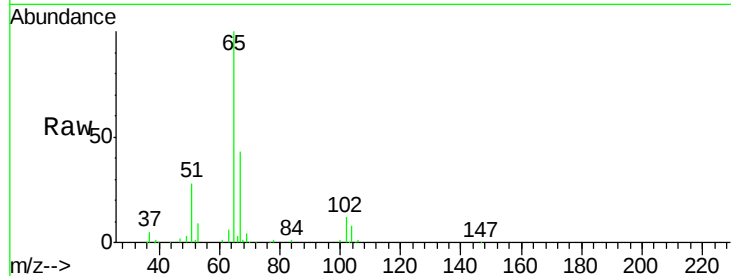
2S-E3-(0-1)

Tot Ion: 65 Resp: 462553

Ion Ratio Lower Upper

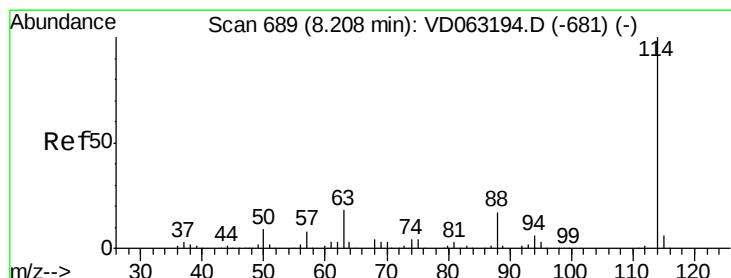
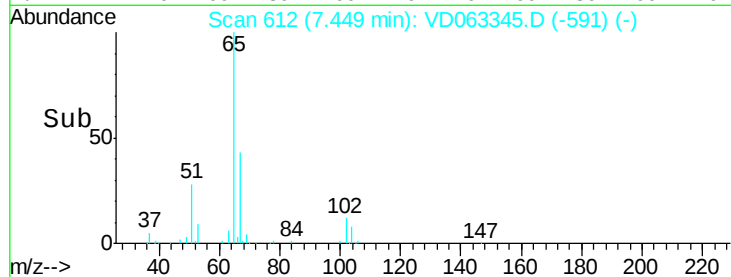
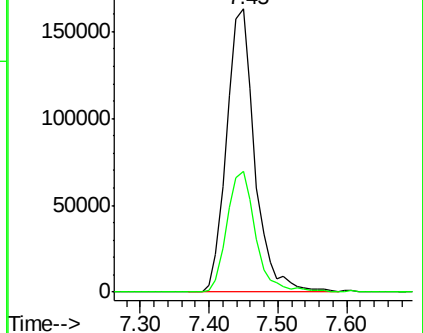
65 100

67 42.9 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: VD063345.D

Acq: 3 Aug 2019 5:59

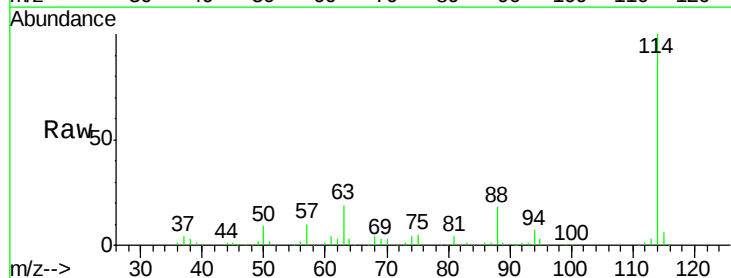
Tgt Ion: 114 Resp: 1174842

Ion Ratio Lower Upper

114 100

63 19.5 0.0 35.2

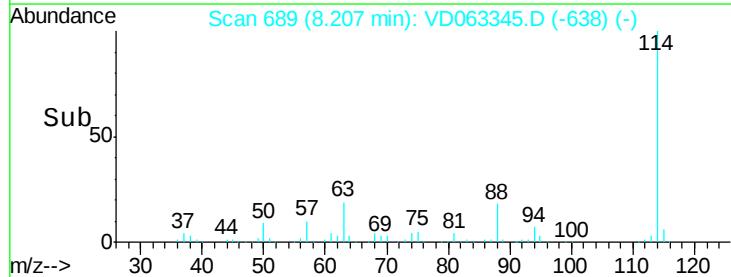
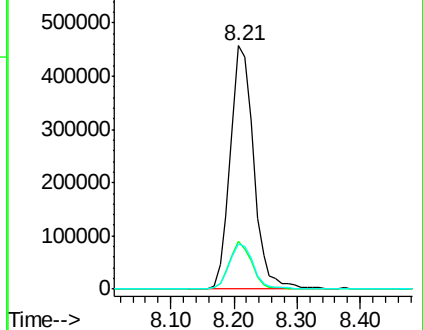
88 18.5 0.0 34.6

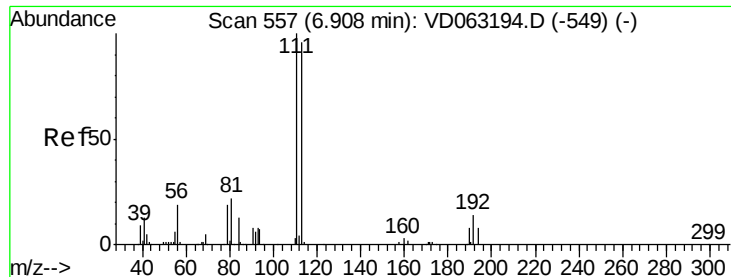


Abundance Ion 114.00 (113.70 to 114.70): V

Ion 62.95 (62.65 to 63.65): VDC

Ion 87.90 (87.60 to 88.60): VDC





#35

Dibromofluoromethane

Concen: 48.797 ug/l

RT: 6.92 min Scan# 558

Delta R.T. 0.01 min

Lab File: VD063345.D

Acq: 3 Aug 2019 5:59

Instrument :

MSVOA_D

ClientSampleId :

2S-E3-(0-1)

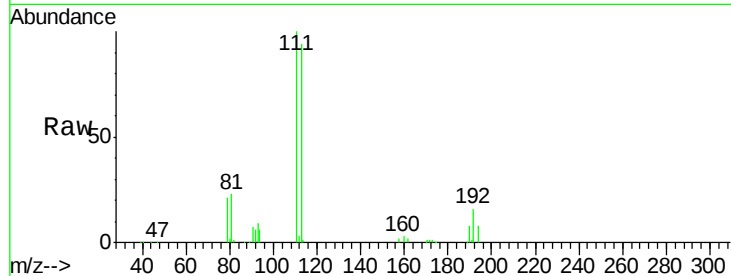
Tot Ion:113 Resp: 489463

Ion Ratio Lower Upper

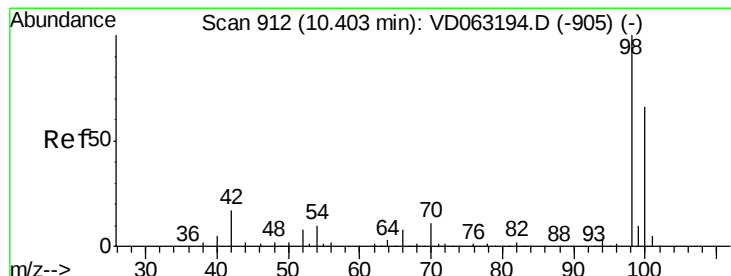
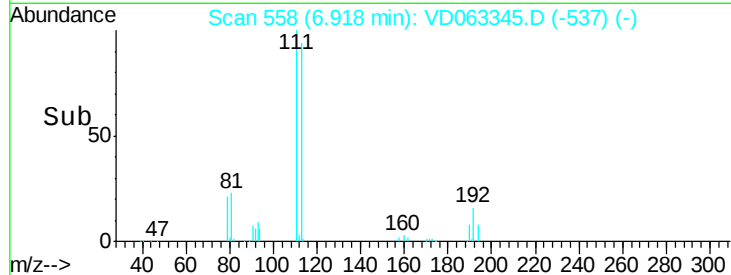
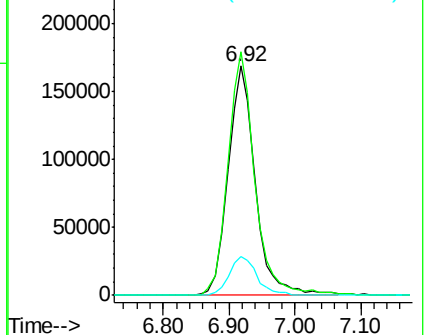
113 100

111 106.2 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: 42.518 ug/l

RT: 10.40 min Scan# 912

Delta R.T. -0.00 min

Lab File: VD063345.D

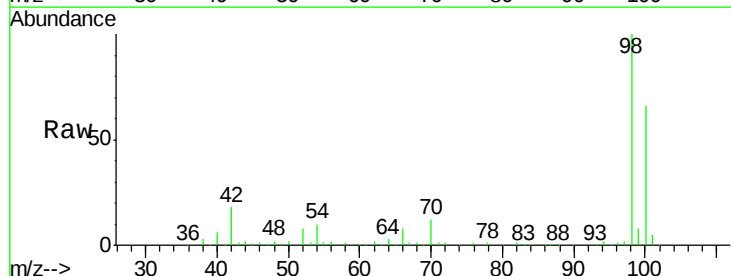
Acq: 3 Aug 2019 5:59

Tgt Ion: 98 Resp: 954456

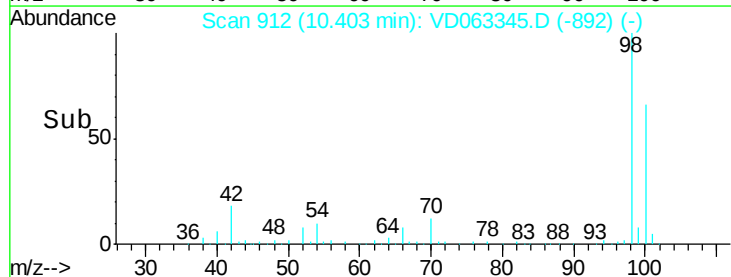
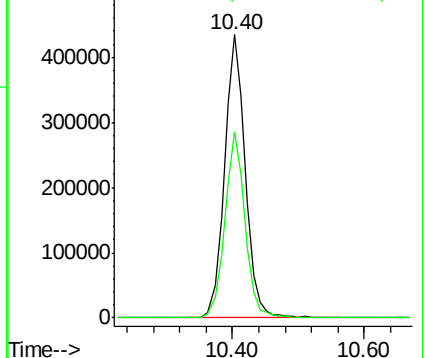
Ion Ratio Lower Upper

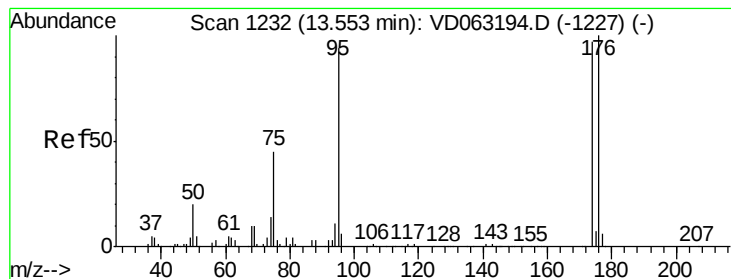
98 100

100 65.8 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: 35.942 ug/l

RT: 13.55 min Scan# 1232

Delta R.T. -0.00 min

Lab File: VD063345.D

Acq: 3 Aug 2019 5:59

Instrument :

MSVOA_D

ClientSampleId :

2S-E3-(0-1)

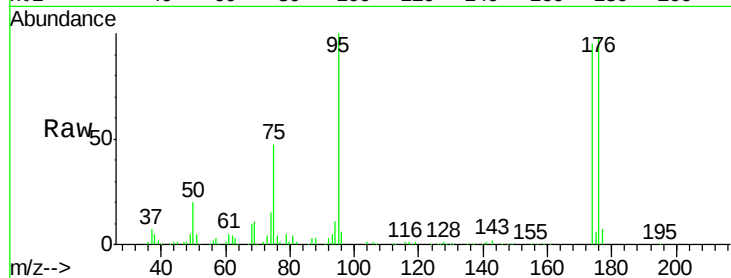
Tot Ion: 95 Resp: 367676

Ion Ratio Lower Upper

95 100

174 95.0 0.0 205.4

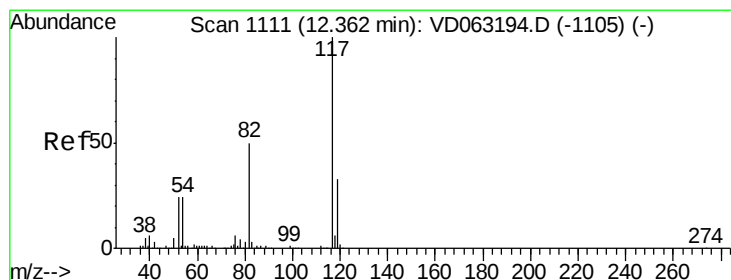
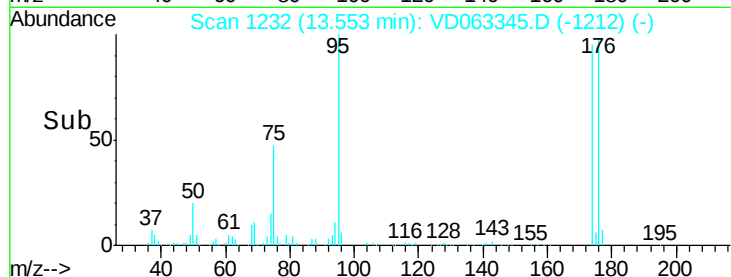
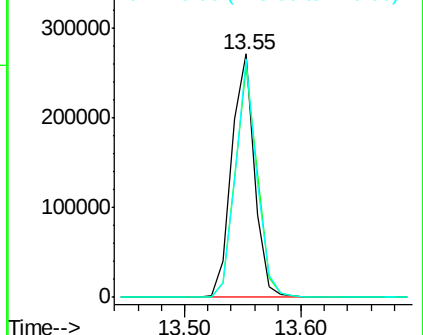
176 97.7 0.0 211.8



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: 12.36 min Scan# 1111

Delta R.T. -0.00 min

Lab File: VD063345.D

Acq: 3 Aug 2019 5:59

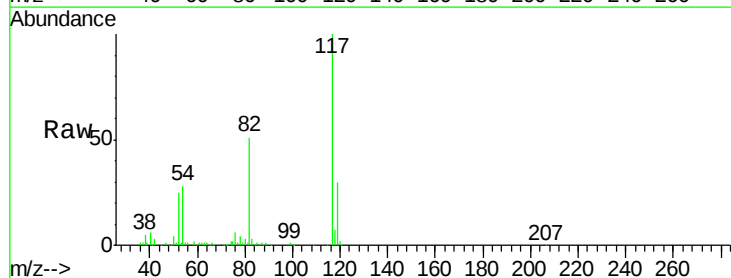
Tgt Ion: 117 Resp: 964829

Ion Ratio Lower Upper

117 100

82 51.4 40.1 60.1

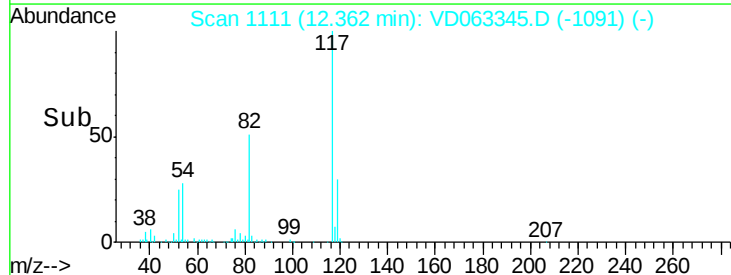
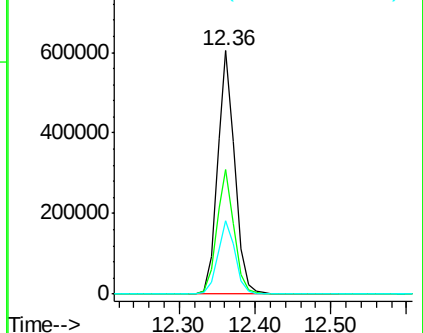
119 30.4 26.5 39.7

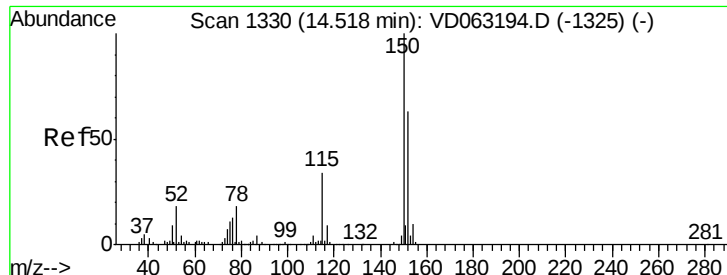


Abundance Ion 116.95 (116.65 to 117.65): V

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: VD063345.D

Acq: 3 Aug 2019 5:59

Instrument :

MSVOA_D

ClientSampleId :

2S-E3-(0-1)

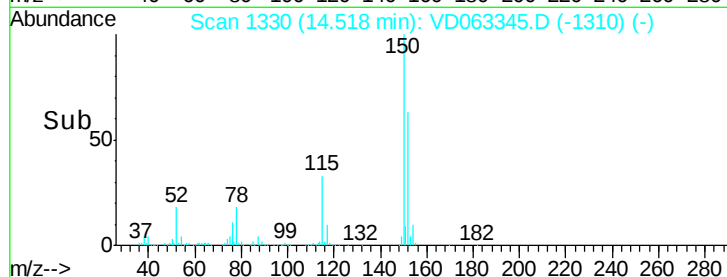
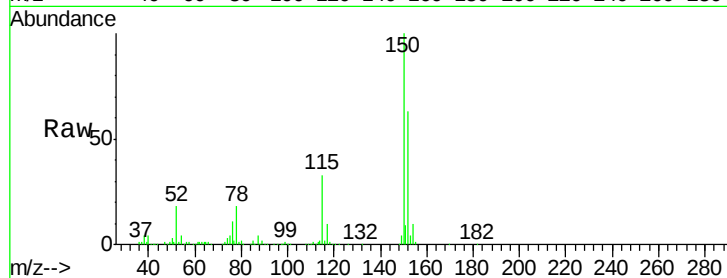
Tot Ion:152 Resp: 361030

Ion Ratio Lower Upper

152 100

115 51.7 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

