

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD080619\
 Data File : VD063412.D
 Acq On : 6 Aug 2019 21:16
 Operator : JC/SY
 Sample : K4165-05RE
 Misc : 4.99g/5ml/MSVOA D/SOIL
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 CP-SHALLOW-PIPE-SOILRE

Quant Time: Aug 07 08:21:06 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

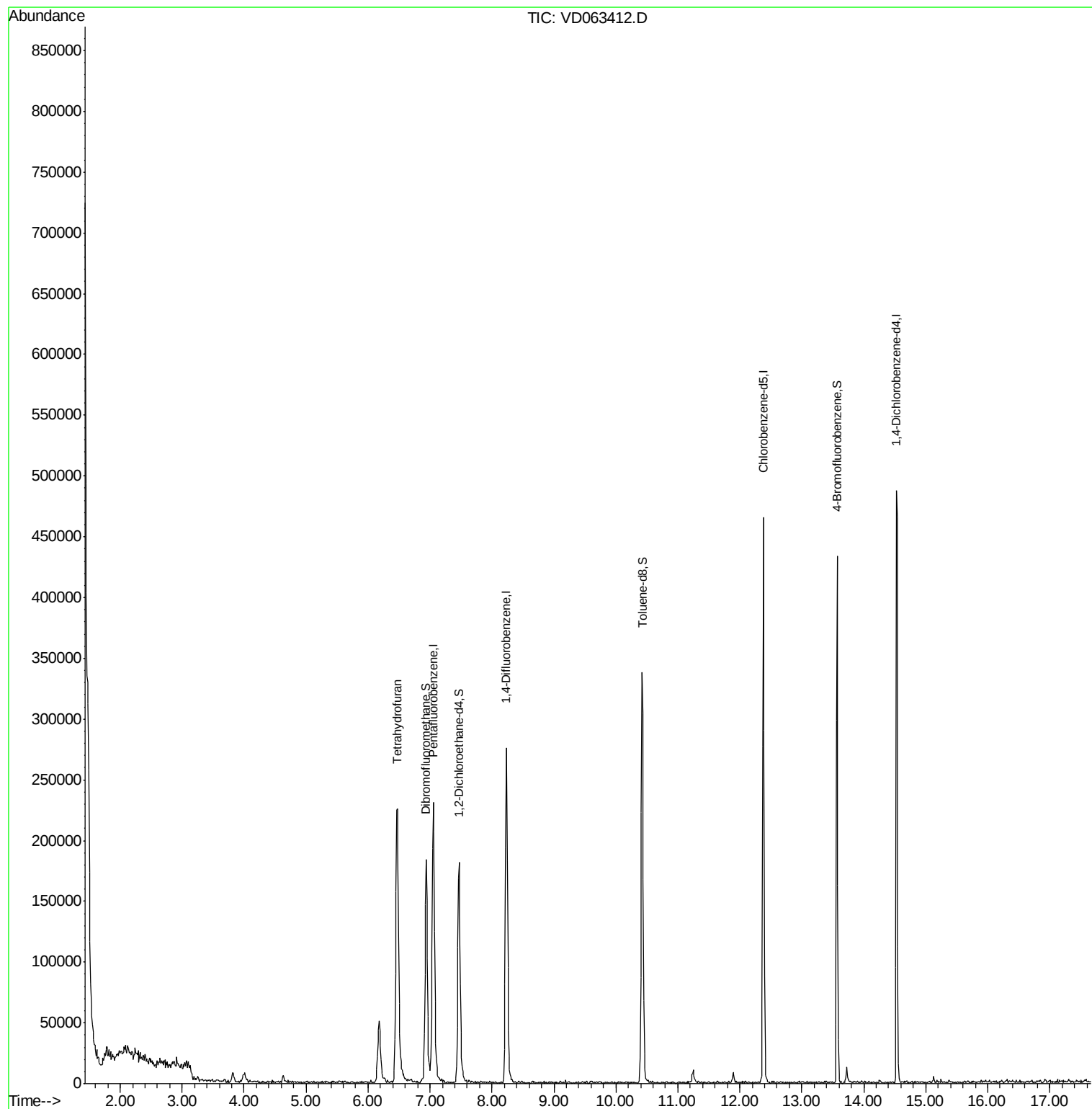
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.06	168	210016	50.00	ug/l	0.03
34) 1,4-Difluorobenzene	8.24	114	305229	50.00	ug/l	0.03
63) Chlorobenzene-d5	12.38	117	231498	50.00	ug/l	0.02
72) 1,4-Dichlorobenzene-d4	14.54	152	117369	50.00	ug/l	0.02
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	7.47	65	209651	89.97	ug/l	0.03
Spiked Amount 50.000			Recovery	=	179.94%	
35) Dibromofluoromethane	6.94	113	149966	57.55	ug/l	0.03
Spiked Amount 50.000			Recovery	=	115.10%	
50) Toluene-d8	10.42	98	270300	46.35	ug/l	0.02
Spiked Amount 50.000			Recovery	=	92.70%	
62) 4-Bromofluorobenzene	13.57	95	112769	42.43	ug/l	0.02
Spiked Amount 50.000			Recovery	=	84.86%	
Target Compounds						
29) Tetrahydrofuran	6.46	42	191835	889.216	ug/l	Qvalue 97

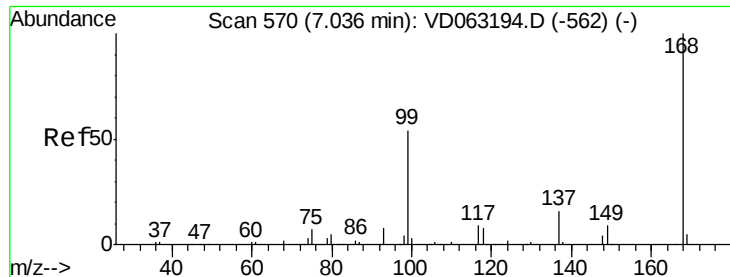
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
QLast Update : Tue Jul 30 03:04:50 2019
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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.06 min Scan# 573

Delta R.T. 0.03 min

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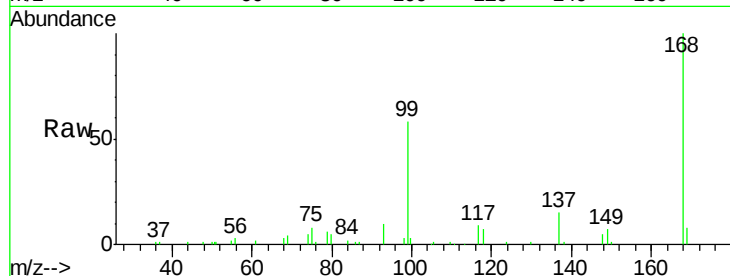
CP-SHALLOW-PIPE-SOILRE

Tot Ion:168 Resp: 210016

Ion Ratio Lower Upper

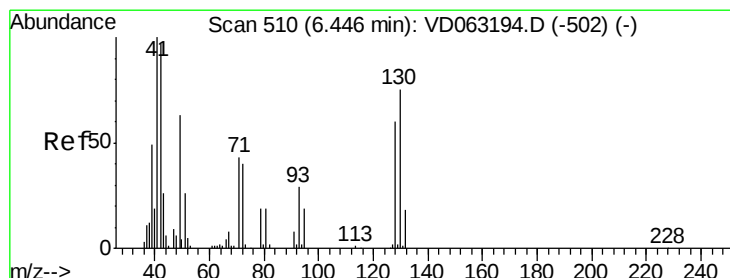
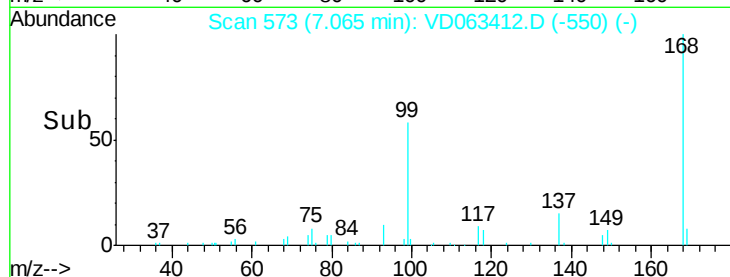
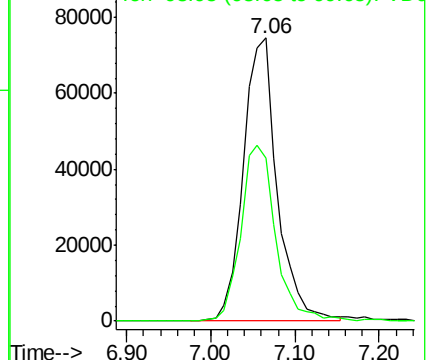
168 100

99 57.6 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: 889.216 ug/l

RT: 6.46 min Scan# 512

Delta R.T. 0.02 min

Lab File: VD063412.D

Acq: 6 Aug 2019 21:16

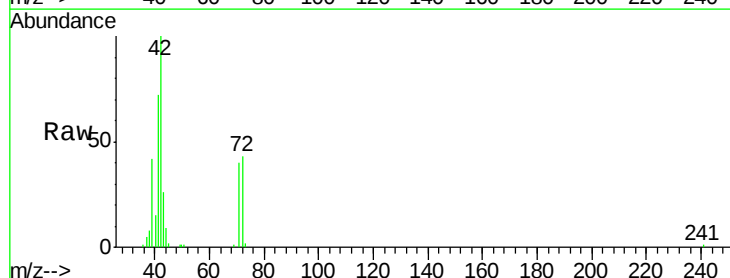
Tgt Ion: 42 Resp: 191835

Ion Ratio Lower Upper

42 100

72 43.8 33.4 50.2

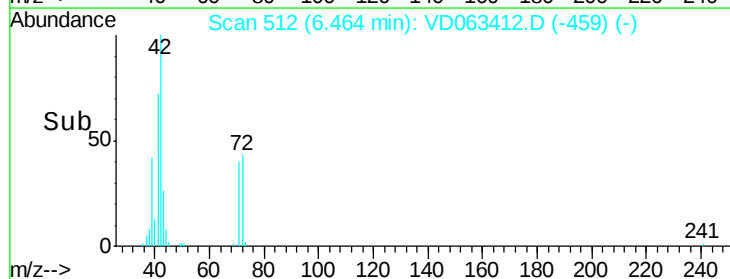
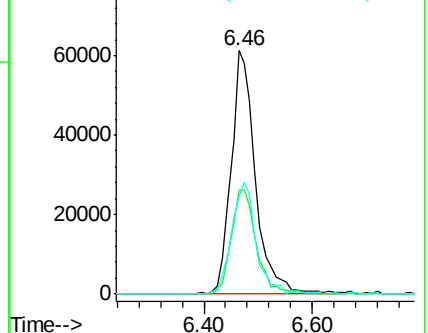
71 45.9 35.7 53.5

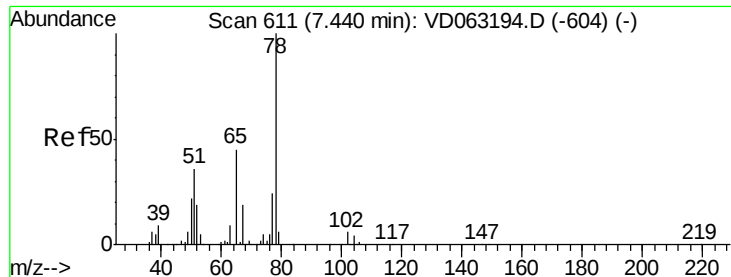


Abundance Ion 42.00 (41.70 to 42.70): VDC

Ion 72.00 (71.70 to 72.70): VDC

Ion 71.00 (70.70 to 71.70): VDC





#33

1,2-Dichloroethane-d4

Concen: 89.966 ug/l

RT: 7.47 min Scan# 614

Delta R.T. 0.03 min

Lab File: VD063412.D

Acq: 6 Aug 2019 21:16

Instrument :

MSVOA_D

ClientSampleId :

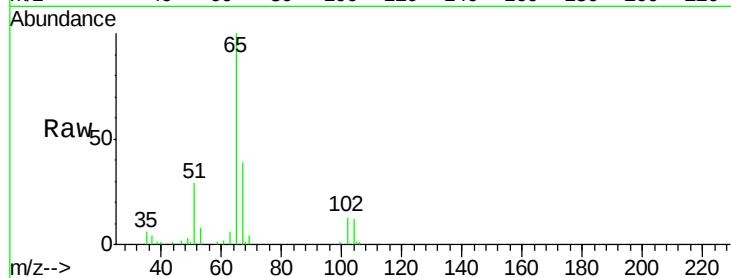
CP-SHALLOW-PIPE-SOILRE

Tot Ion: 65 Resp: 209651

Ion Ratio Lower Upper

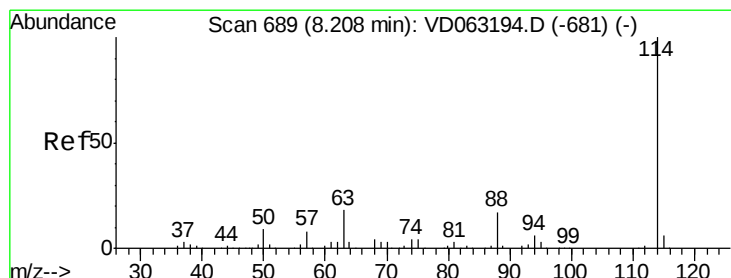
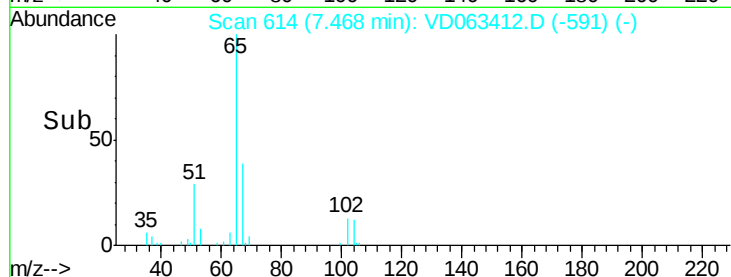
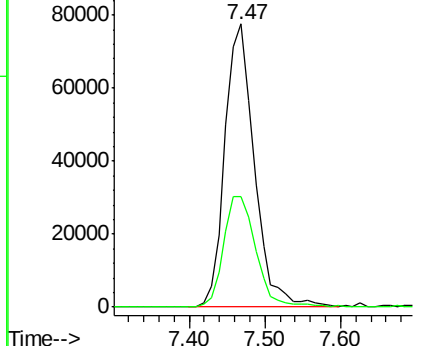
65 100

67 39.0 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: 8.24 min Scan# 692

Delta R.T. 0.03 min

Lab File: VD063412.D

Acq: 6 Aug 2019 21:16

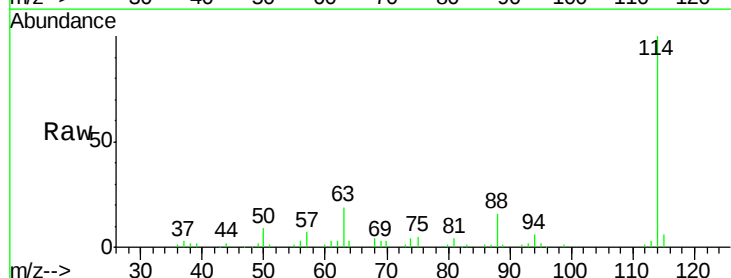
Tgt Ion: 114 Resp: 305229

Ion Ratio Lower Upper

114 100

63 18.6 0.0 35.2

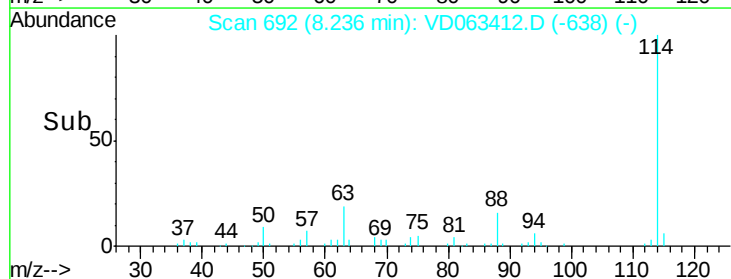
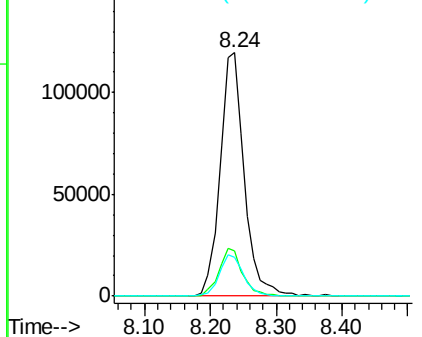
88 15.9 0.0 34.6



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: 57.546 ug/l

RT: 6.94 min Scan# 560

Delta R.T. 0.03 min

Lab File: VD063412.D

Acq: 6 Aug 2019 21:16

Instrument :

MSVOA_D

ClientSampleId :

CP-SHALLOW-PIPE-SOILRE

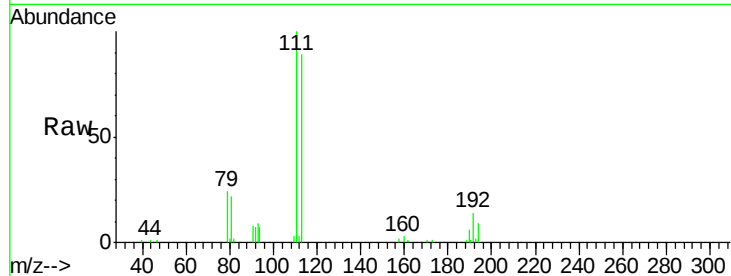
Tot Ion:113 Resp: 149966

Ion Ratio Lower Upper

113 100

111 112.2 83.2 124.8

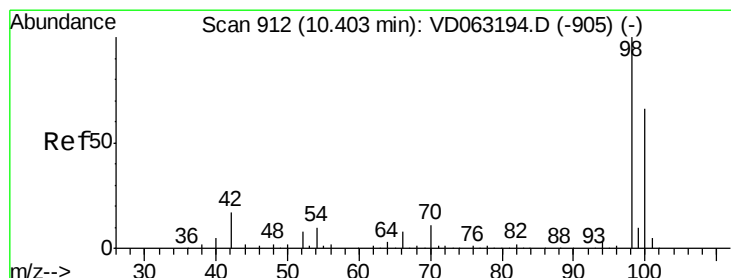
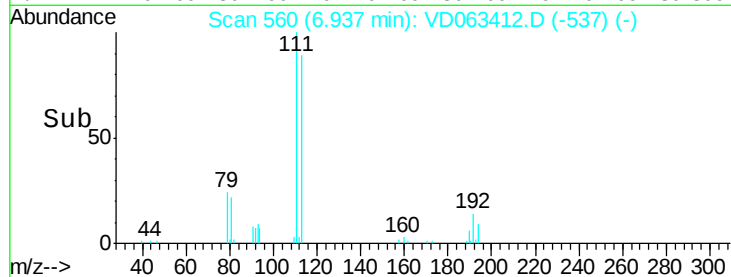
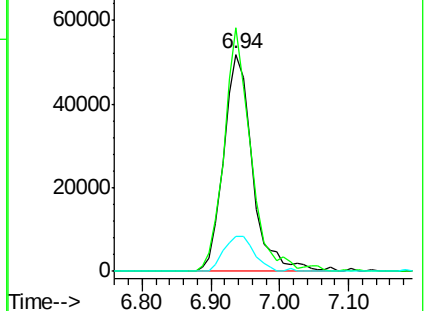
192 15.9 11.8 17.8



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: 46.346 ug/l

RT: 10.42 min Scan# 914

Delta R.T. 0.02 min

Lab File: VD063412.D

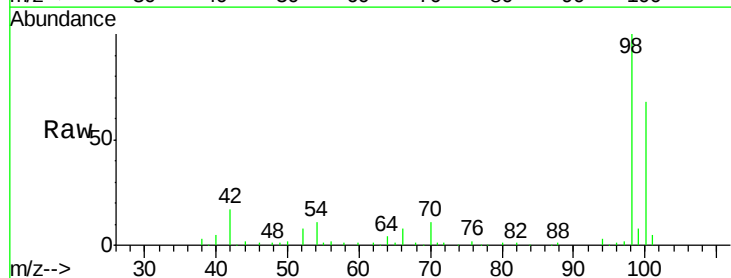
Acq: 6 Aug 2019 21:16

Tgt Ion: 98 Resp: 270300

Ion Ratio Lower Upper

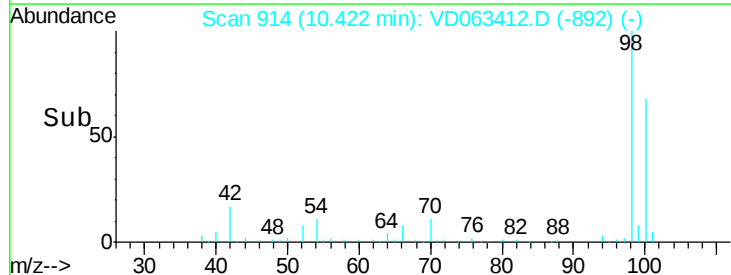
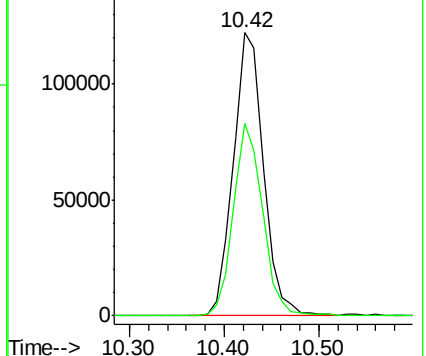
98 100

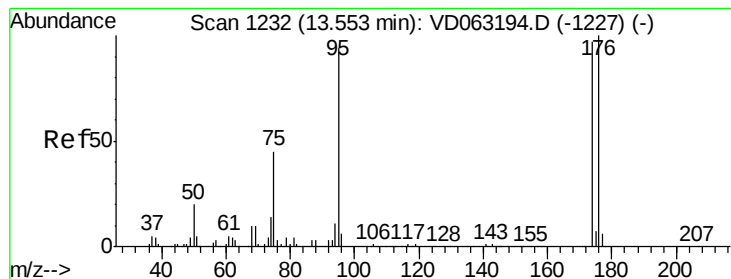
100 68.2 53.2 79.8



Abundance Ion 98.05 (97.75 to 98.75): V

Ion 100.05 (99.75 to 100.75): V





#62

4-Bromofluorobenzene

Concen: 42.431 ug/l

RT: 13.57 min Scan# 1234

Delta R.T. 0.02 min

Lab File: VD063412.D

Acq: 6 Aug 2019 21:16

Instrument :

MSVOA_D

ClientSampleId :

CP-SHALLOW-PIPE-SOILRE

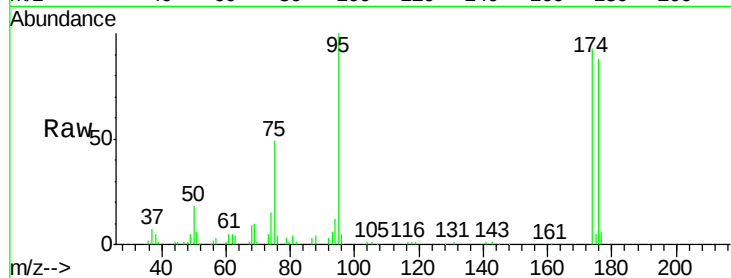
Tot Ion: 95 Resp: 112769

Ion Ratio Lower Upper

95 100

174 93.2 0.0 205.4

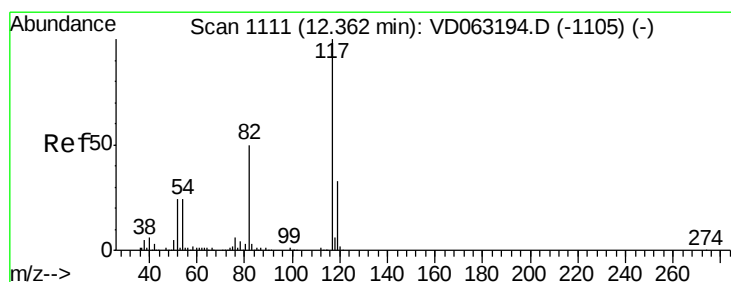
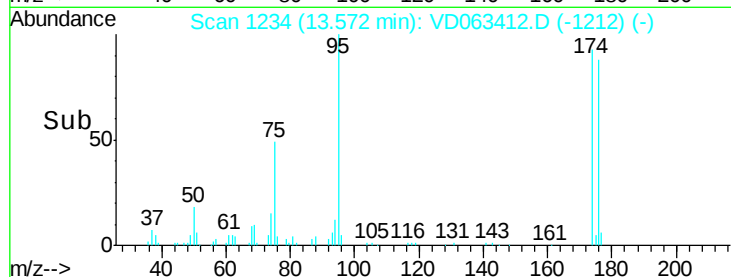
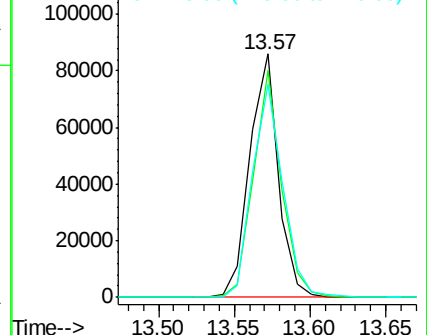
176 87.7 0.0 211.8



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: 12.38 min Scan# 1113

Delta R.T. 0.02 min

Lab File: VD063412.D

Acq: 6 Aug 2019 21:16

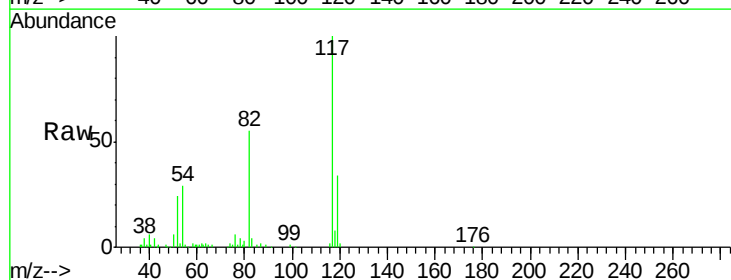
Tgt Ion: 117 Resp: 231498

Ion Ratio Lower Upper

117 100

82 55.3 40.1 60.1

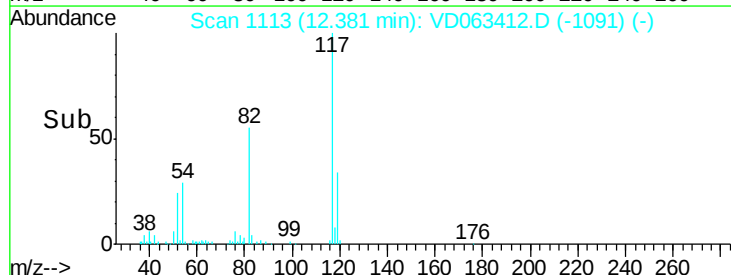
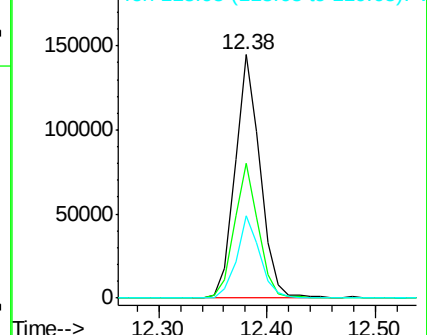
119 33.7 26.5 39.7

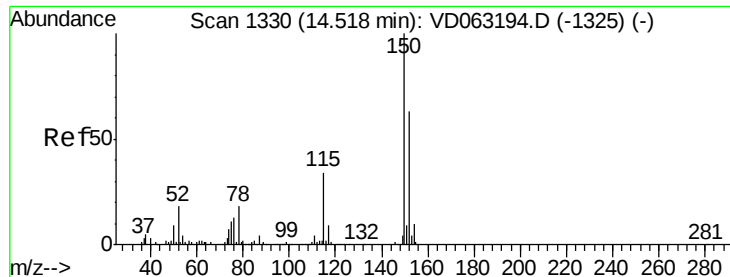


Abundance Ion 116.95 (116.65 to 117.65): V

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: 14.54 min Scan# 1332

Delta R.T. 0.02 min

Lab File: VD063412.D

Acq: 6 Aug 2019 21:16

Instrument :

MSVOA_D

ClientSampleId :

CP-SHALLOW-PIPE-SOILRE

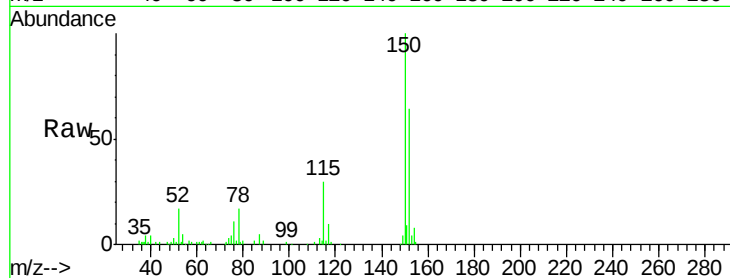
Tot Ion:152 Resp: 117369

Ion Ratio Lower Upper

152 100

115 47.1 27.5 82.4

150 157.3 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

