

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD080219\
 Data File : VD063322.D
 Acq On : 2 Aug 2019 17:44
 Operator : VA/AP
 Sample : K4130-03
 Misc : 6.15g/5ml/MSVOA D/SOIL
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 1S-F2-(0-1)

Quant Time: Aug 04 04:28:10 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

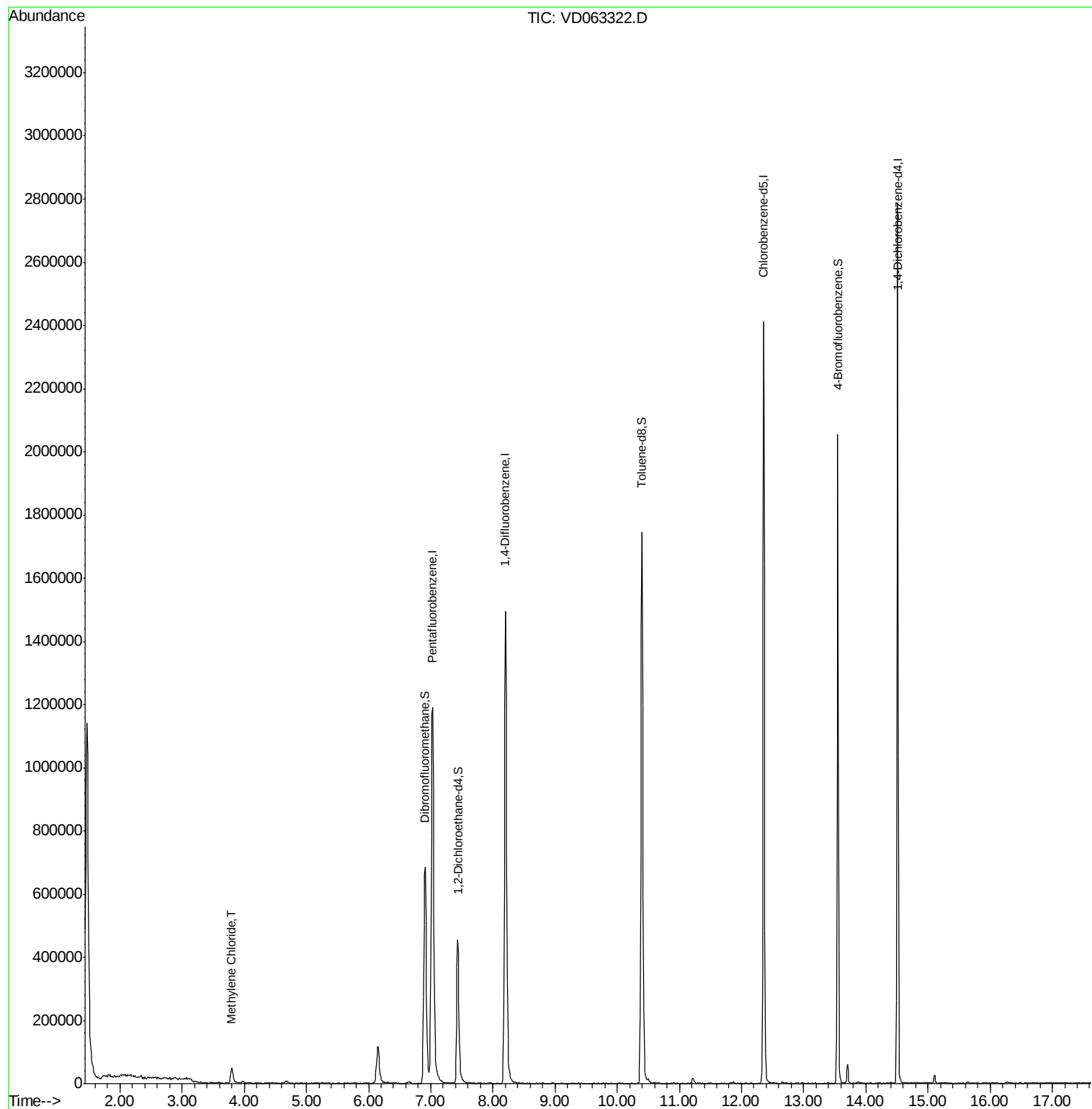
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.03	168	1178469	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.20	114	1585669	50.00	ug/l	0.00
63) Chlorobenzene-d5	12.36	117	1275163	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	14.51	152	592118	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	7.43	65	510457	39.04	ug/l	0.00
Spiked Amount	50.000		Recovery	=	78.08%	
35) Dibromofluoromethane	6.91	113	616615	45.55	ug/l	0.00
Spiked Amount	50.000		Recovery	=	91.10%	
50) Toluene-d8	10.40	98	1368820	45.18	ug/l	0.00
Spiked Amount	50.000		Recovery	=	90.36%	
62) 4-Bromofluorobenzene	13.55	95	519450	37.62	ug/l	0.00
Spiked Amount	50.000		Recovery	=	75.24%	
Target Compounds						
20) Methylene Chloride	3.79	84	29939	2.907	ug/l #	Qvalue 86

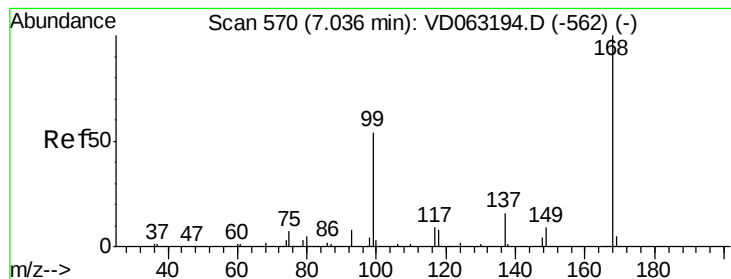
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
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Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.03 min Scan# 569

Delta R.T. -0.01 min

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MSVOA_D

ClientSampleId :

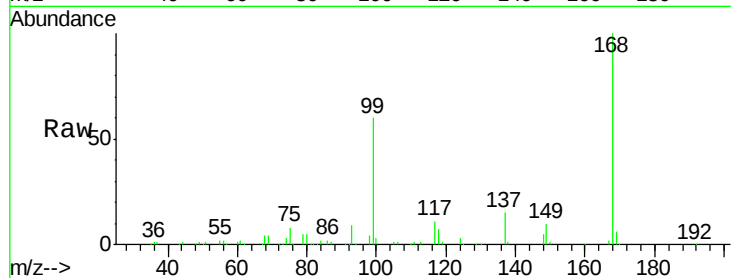
1S-F2-(0-1)

Tot Ion:168 Resp: 1178469

Ion Ratio Lower Upper

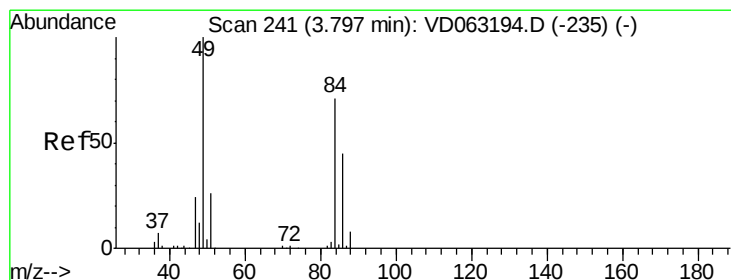
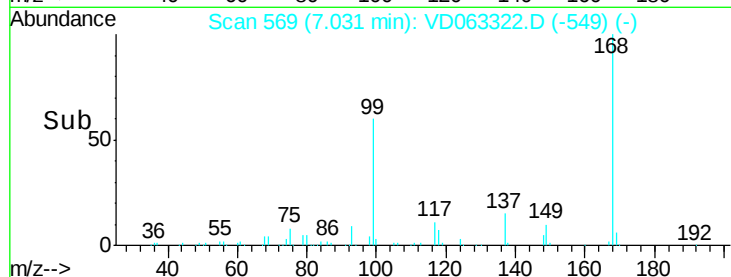
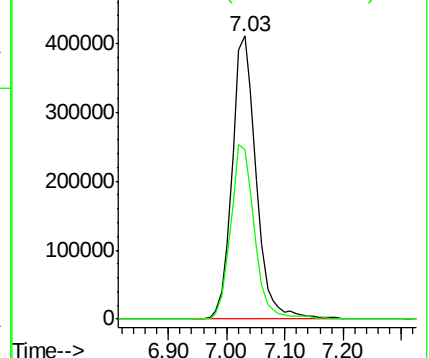
168 100

99 59.7 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: 2.907 ug/l

RT: 3.79 min Scan# 240

Delta R.T. -0.01 min

Lab File: VD063322.D

Acq: 2 Aug 2019 17:44

Tgt Ion: 84 Resp: 29939

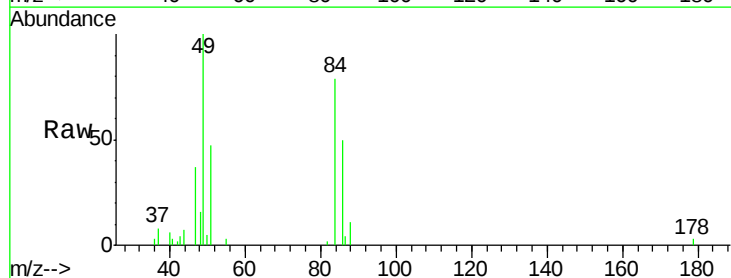
Ion Ratio Lower Upper

84 100

49 126.2 112.5 168.7

51 59.5 29.6 44.4#

86 68.2 50.4 75.6

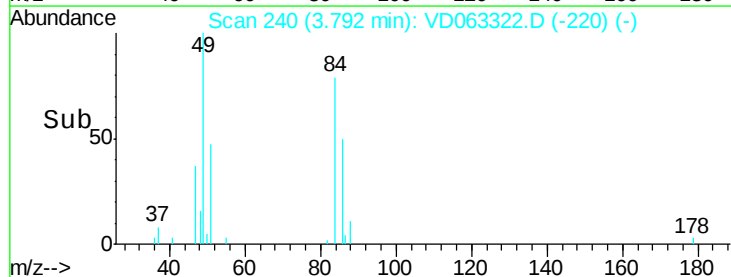
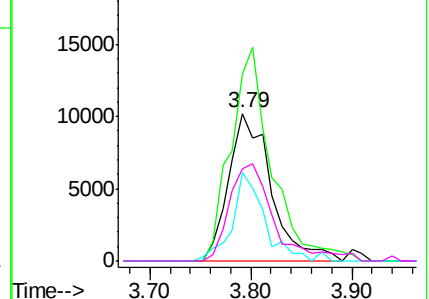


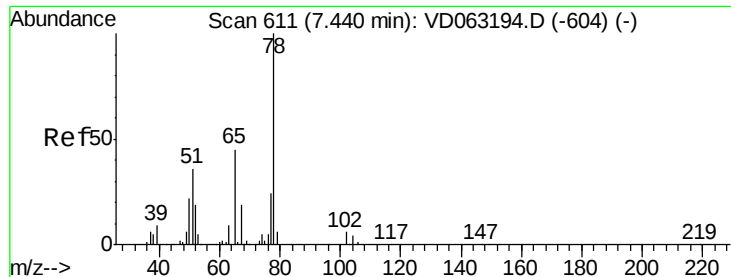
Abundance Ion 83.95 (83.65 to 84.65): VDC

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: 39.037 ug/l

RT: 7.43 min Scan# 610

Delta R.T. -0.01 min

Lab File: VD063322.D

Acq: 2 Aug 2019 17:44

Instrument :

MSVOA_D

ClientSampleId :

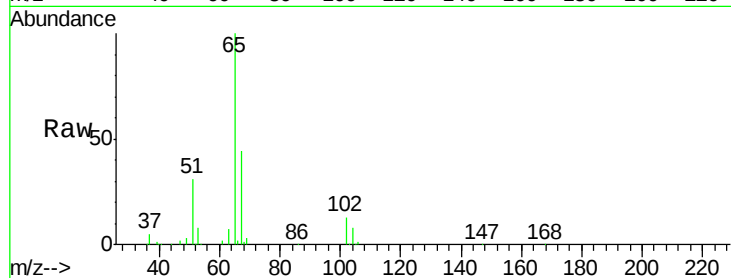
1S-F2-(0-1)

Tot Ion: 65 Resp: 510457

Ion Ratio Lower Upper

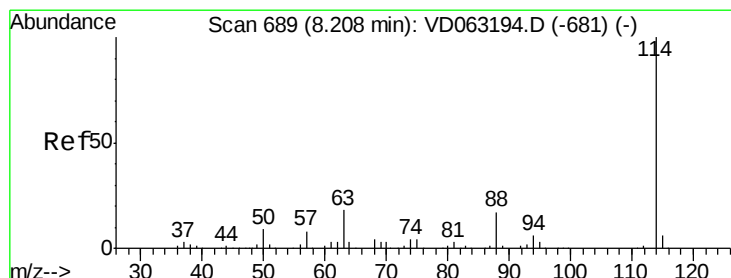
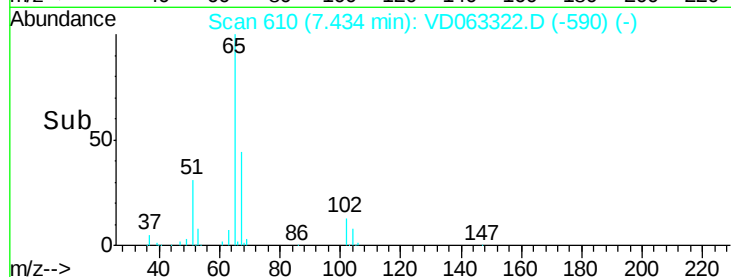
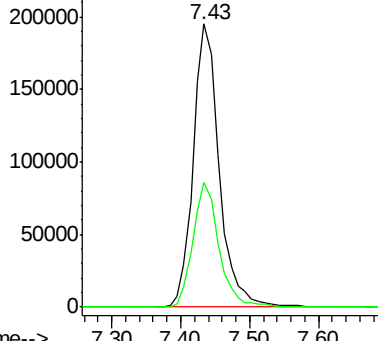
65 100

67 44.2 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: 8.20 min Scan# 688

Delta R.T. -0.01 min

Lab File: VD063322.D

Acq: 2 Aug 2019 17:44

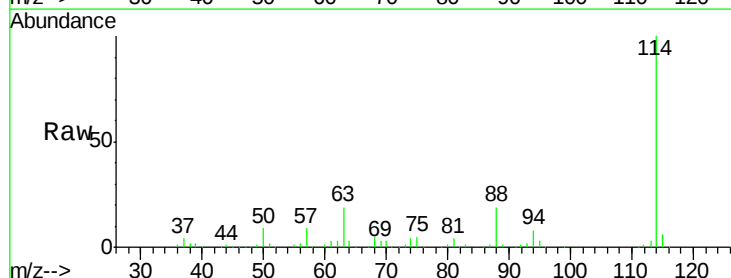
Tgt Ion: 114 Resp: 1585669

Ion Ratio Lower Upper

114 100

63 18.9 0.0 35.2

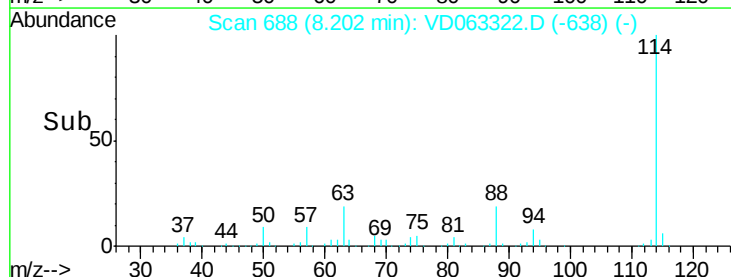
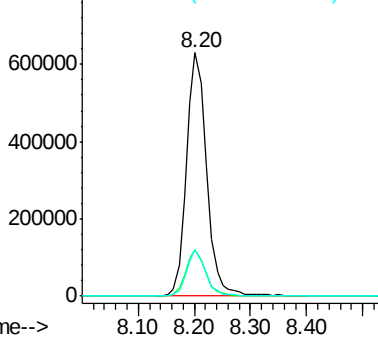
88 19.3 0.0 34.6



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: 45.546 ug/l

RT: 6.91 min Scan# 557

Delta R.T. 0.00 min

Lab File: VD063322.D

Acq: 2 Aug 2019 17:44

Instrument :

MSVOA_D

ClientSampleId :

1S-F2-(0-1)

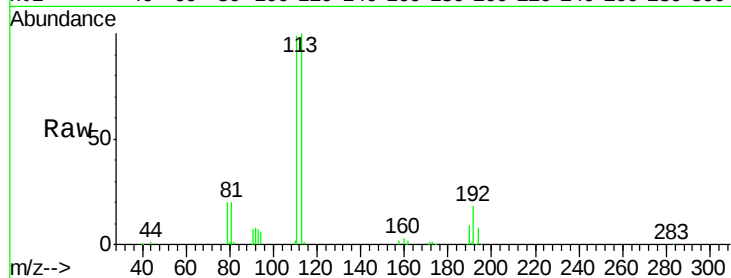
Tot Ion:113 Resp: 616615

Ion Ratio Lower Upper

113 100

111 98.6 83.2 124.8

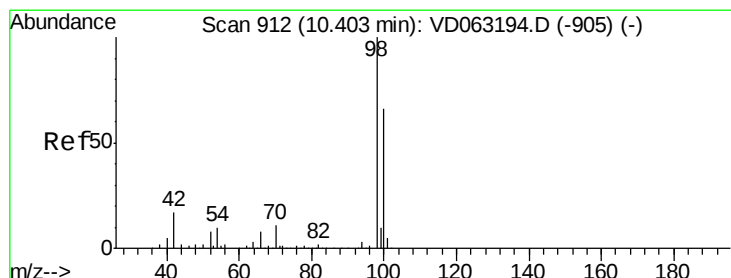
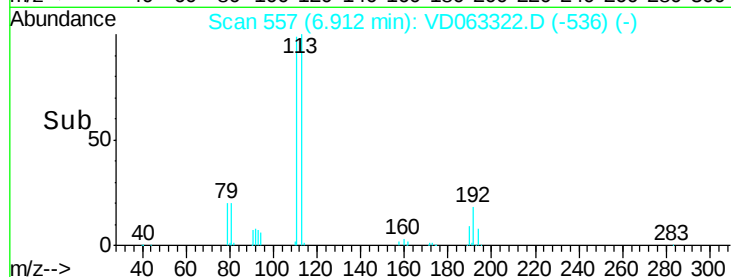
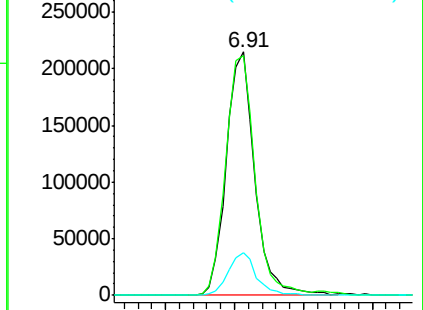
192 17.7 11.8 17.8



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: 45.178 ug/l

RT: 10.40 min Scan# 911

Delta R.T. -0.01 min

Lab File: VD063322.D

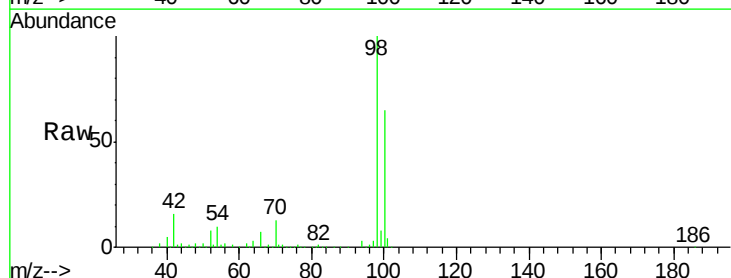
Acq: 2 Aug 2019 17:44

Tgt Ion: 98 Resp: 1368820

Ion Ratio Lower Upper

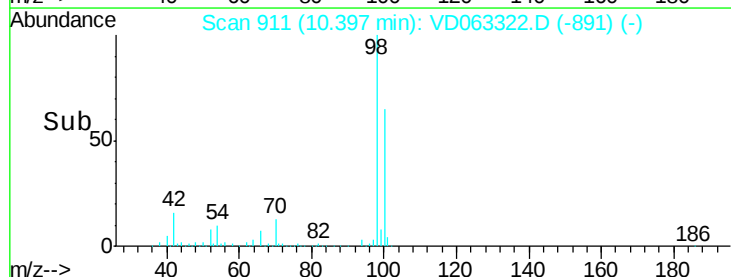
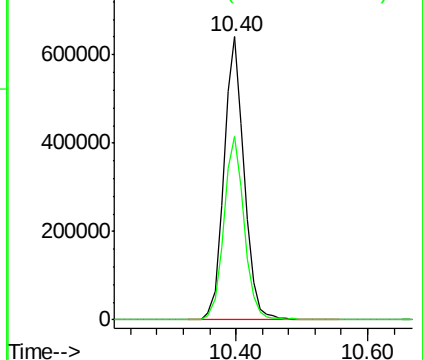
98 100

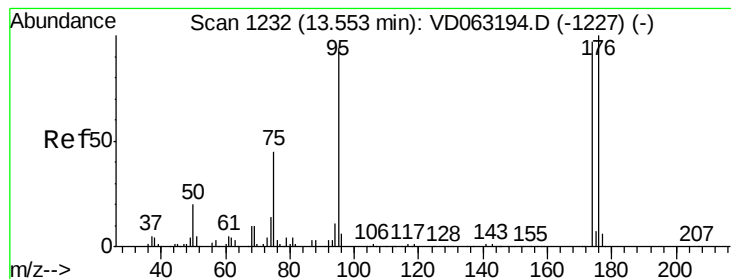
100 64.9 53.2 79.8



Abundance Ion 98.05 (97.75 to 98.75): V

Ion 100.05 (99.75 to 100.75): V





#62

4-Bromofluorobenzene

Concen: 37.623 ug/l

RT: 13.55 min Scan# 1231

Delta R.T. -0.01 min

Lab File: VD063322.D

Acq: 2 Aug 2019 17:44

Instrument :

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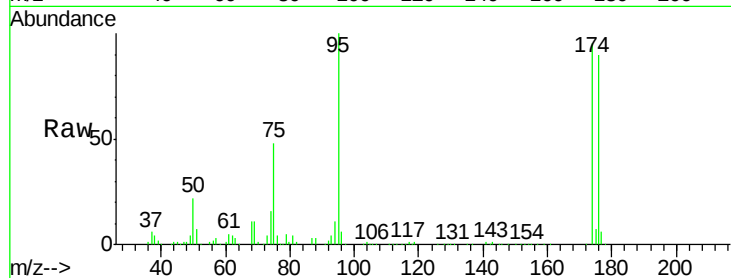
Tot Ion: 95 Resp: 519450

Ion Ratio Lower Upper

95 100

174 94.5 0.0 205.4

176 90.5 0.0 211.8



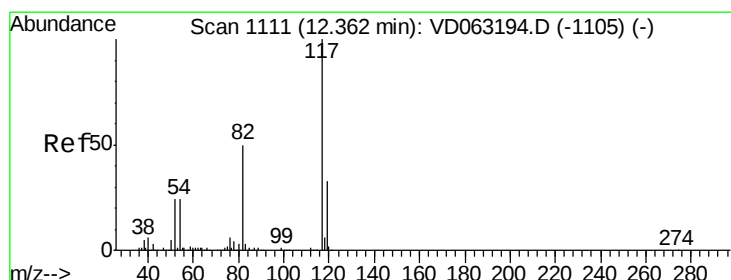
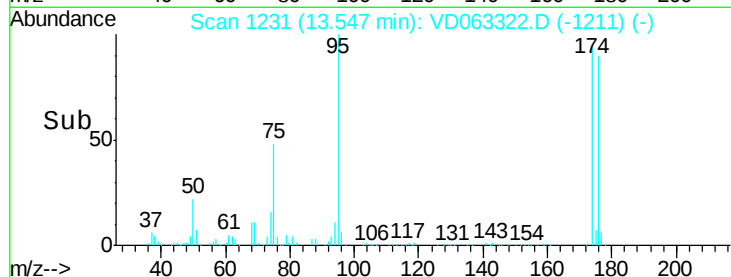
Abundance Ion 95.00 (94.70 to 95.70): V

Ion 173.90 (173.60 to 174.60): V

Ion 175.90 (175.60 to 176.60): V

13.55

Time-->



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 12.36 min Scan# 1110

Delta R.T. -0.01 min

Lab File: VD063322.D

Acq: 2 Aug 2019 17:44

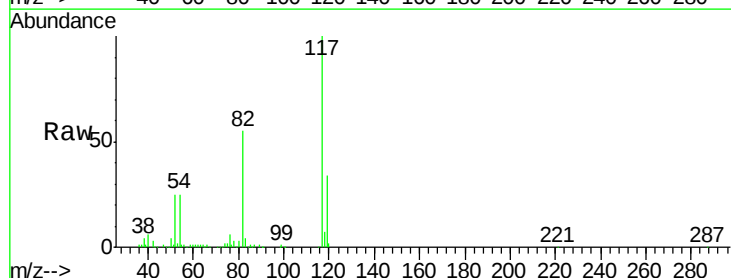
Tgt Ion: 117 Resp: 1275163

Ion Ratio Lower Upper

117 100

82 55.0 40.1 60.1

119 33.8 26.5 39.7



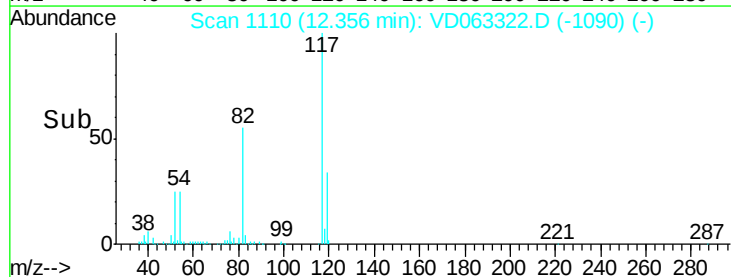
Abundance Ion 116.95 (116.65 to 117.65): V

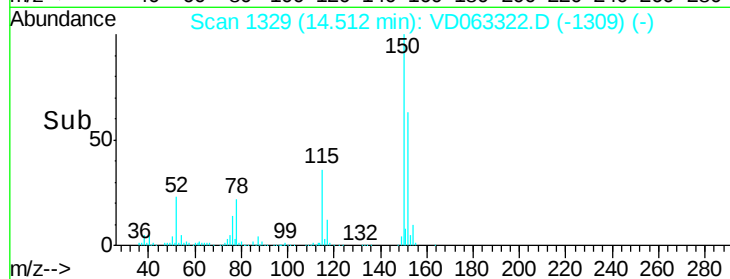
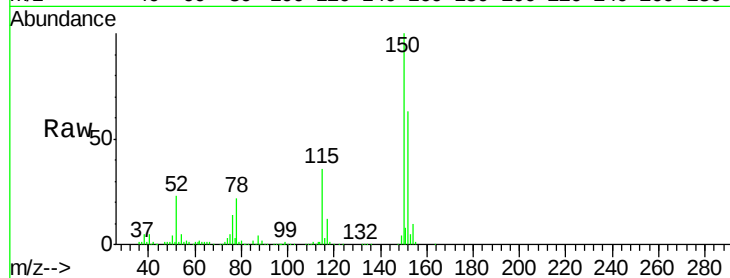
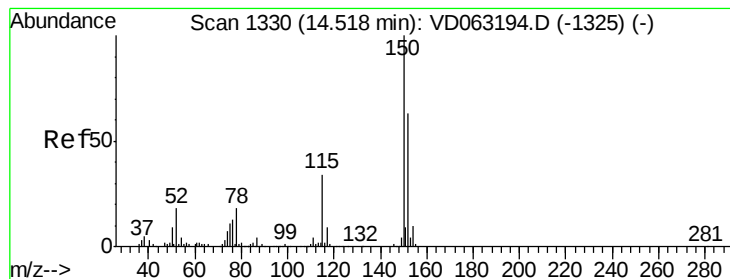
Ion 82.05 (81.75 to 82.75): V

Ion 118.95 (118.65 to 119.65): V

12.36

Time-->





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 14.51 min Scan# 1329

Delta R.T. -0.01 min

Lab File: VD063322.D

Acq: 2 Aug 2019 17:44

Instrument :

MSVOA_D

ClientSampleId :

1S-F2-(0-1)

Tot Ion:152 Resp: 592118

Ion Ratio Lower Upper

152 100

115 57.9 27.5 82.4

150 159.4 0.0 320.6

