

Data Path : Z:\voasrv\HPCHEM1\MSVOA D\Data\VD080319\
 Data File : VD063371.D
 Acq On : 3 Aug 2019 19:39
 Operator : VA/AP
 Sample : K4135-09
 Misc : 6.85g/5ml/MSVOA D/SOIL
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 1S-A3-(30)

Quant Time: Aug 04 06:49:35 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

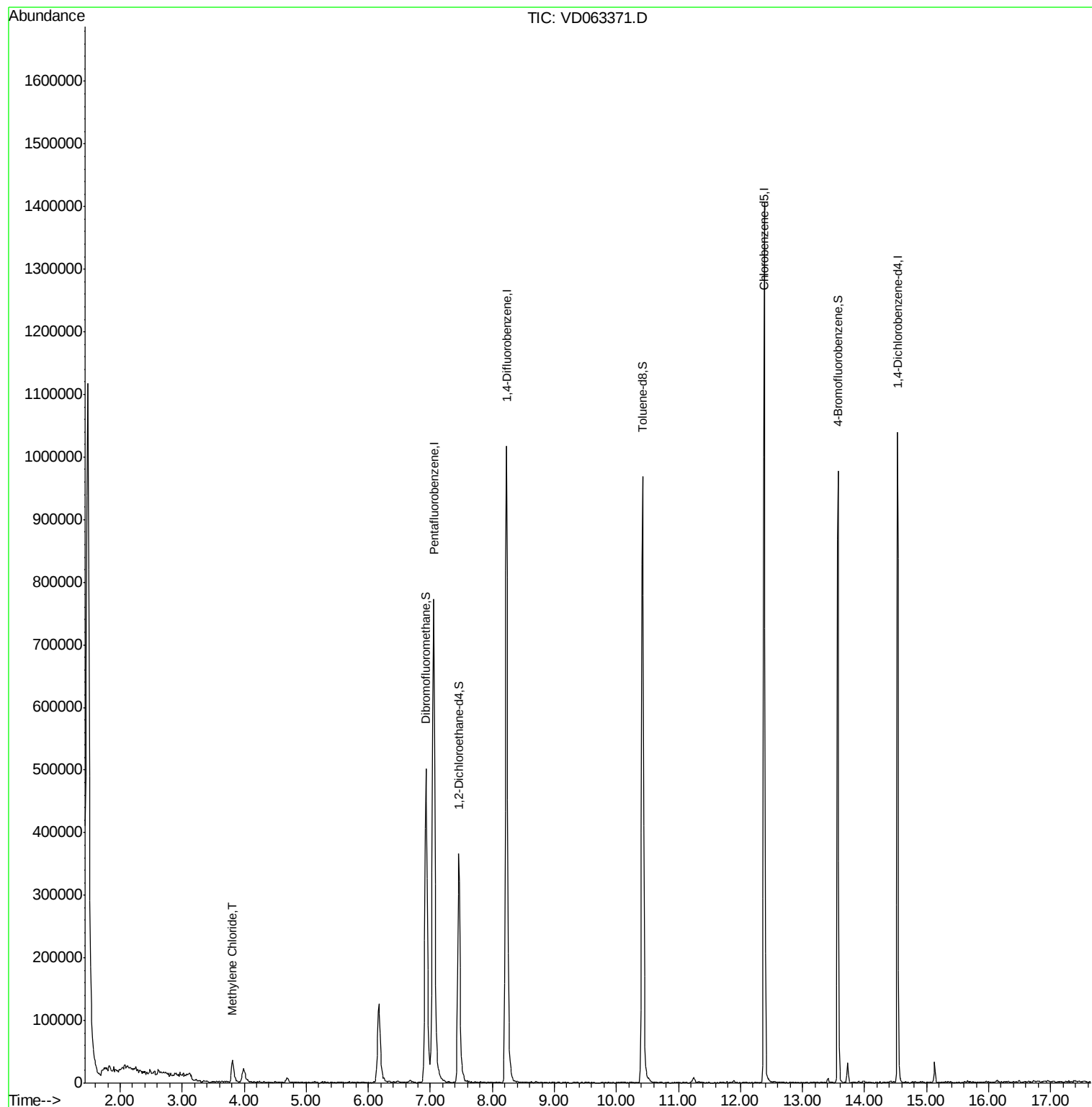
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.06	168	769937	50.00	ug/l	0.02
34) 1,4-Difluorobenzene	8.23	114	1045312	50.00	ug/l	0.02
63) Chlorobenzene-d5	12.38	117	714356	50.00	ug/l	0.02
72) 1,4-Dichlorobenzene-d4	14.53	152	238276	50.00	ug/l	0.01
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	7.46	65	421439	49.33	ug/l	0.02
Spiked Amount 50.000			Recovery	=	98.66%	
35) Dibromofluoromethane	6.93	113	446323	50.01	ug/l	0.02
Spiked Amount 50.000			Recovery	=	100.02%	
50) Toluene-d8	10.42	98	815389	40.82	ug/l	0.02
Spiked Amount 50.000			Recovery	=	81.64%	
62) 4-Bromofluorobenzene	13.56	95	281377	30.91	ug/l	0.01
Spiked Amount 50.000			Recovery	=	61.82%	
Target Compounds						
20) Methylene Chloride	3.82	84	19388	2.882	ug/l #	Qvalue 90

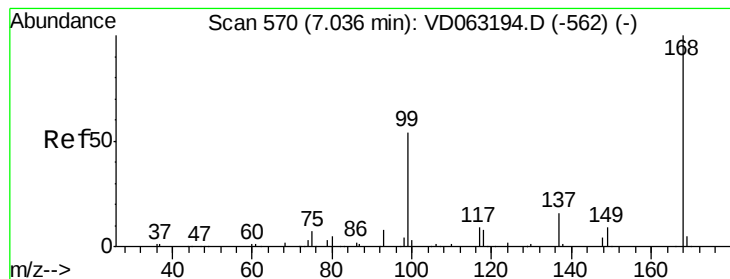
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.06 min Scan# 572

Delta R.T. 0.02 min

Lab File: VD063371.D

Acq: 3 Aug 2019 19:39

Instrument :

MSVOA_D

ClientSampleId :

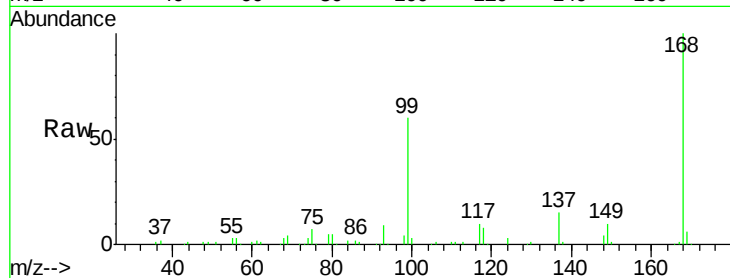
1S-A3-(30)

Tot Ion:168 Resp: 769937

Ion Ratio Lower Upper

168 100

99 59.6 43.7 65.5



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.95 (98.65 to 99.65): VDC

7.06

250000

200000

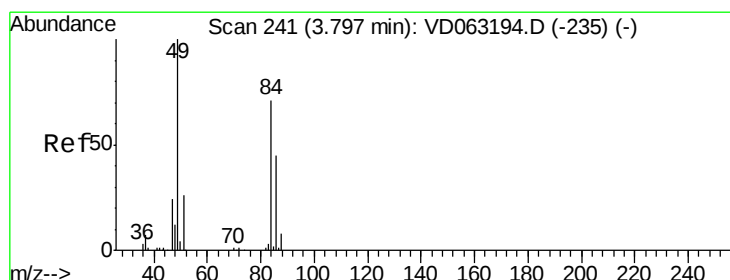
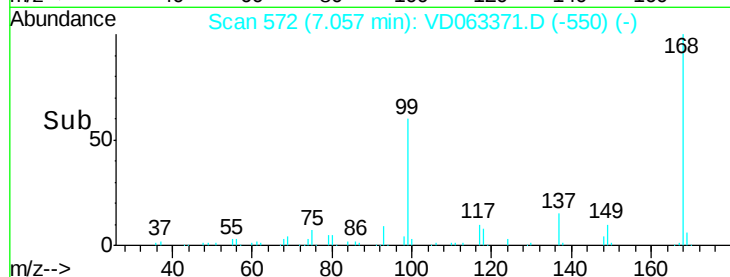
150000

100000

50000

0

Time-->



#20

Methylene Chloride

Concen: 2.882 ug/l

RT: 3.82 min Scan# 243

Delta R.T. 0.02 min

Lab File: VD063371.D

Acq: 3 Aug 2019 19:39

Tgt Ion: 84 Resp: 19388

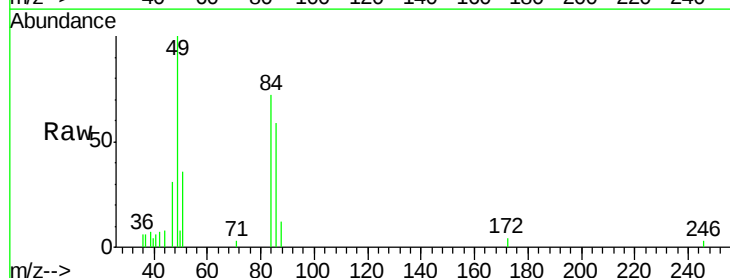
Ion Ratio Lower Upper

84 100

49 138.3 112.5 168.7

51 49.3 29.6 44.4#

86 81.1 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

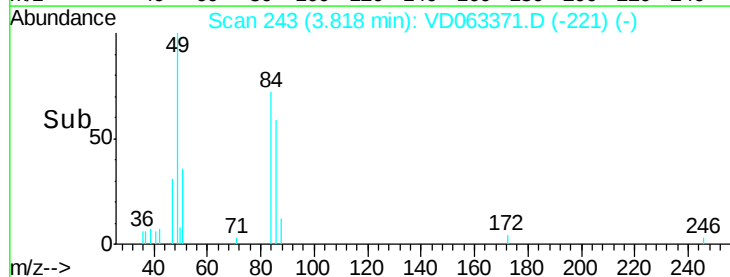
15000

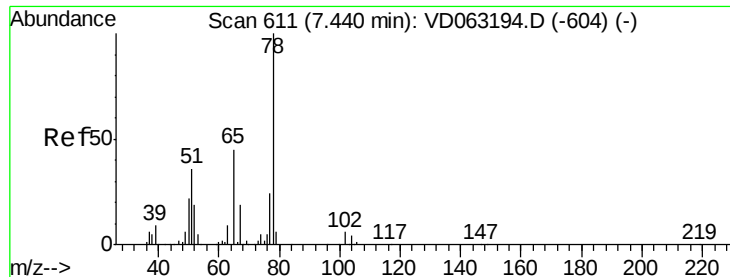
10000

5000

0

Time-->

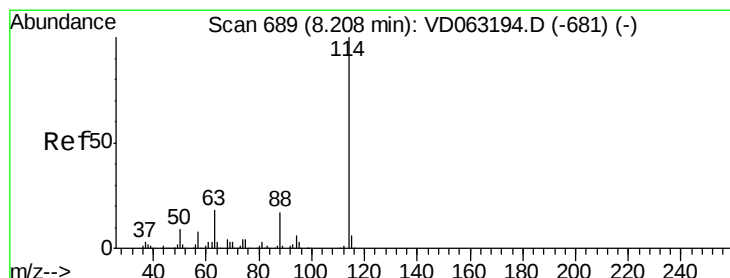
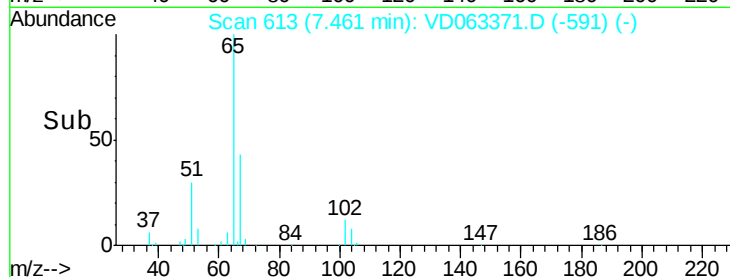
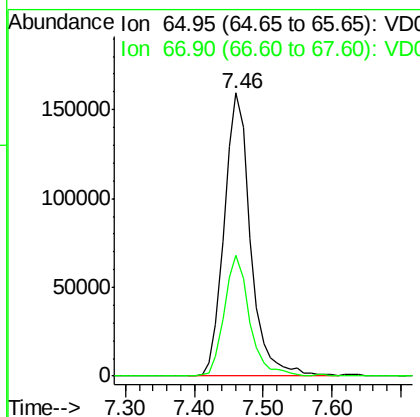
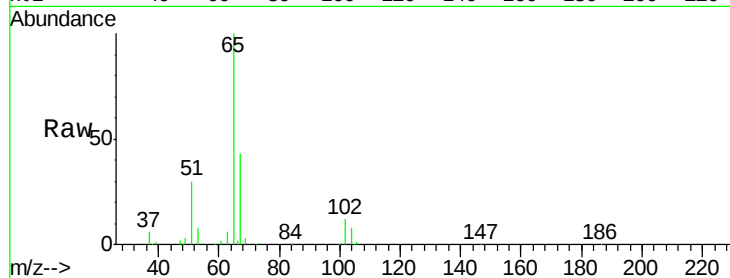




#33
 1,2-Dichloroethane-d4
 Concen: 49.330 ug/l
 RT: 7.46 min Scan# 613
 Delta R.T. 0.02 min
 Lab File: VD063371.D
 Acq: 3 Aug 2019 19:39

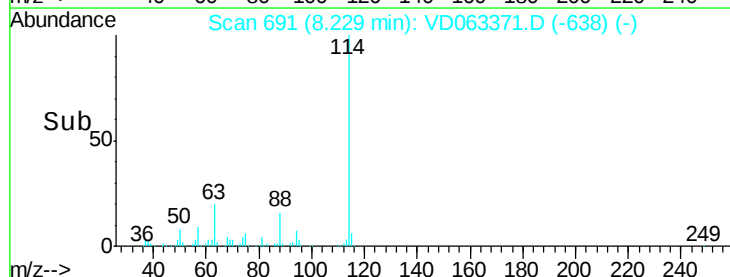
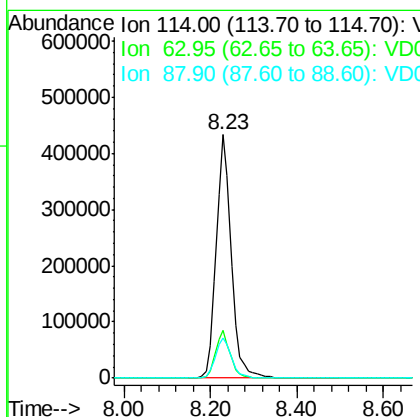
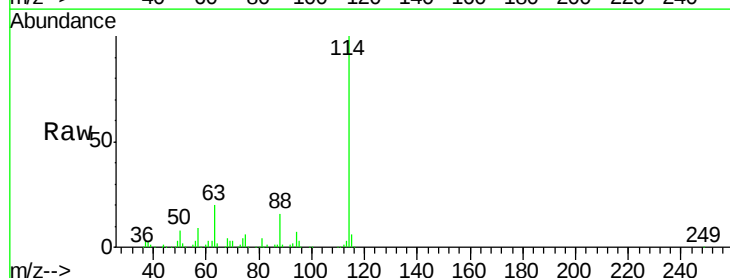
Instrument :
 MSVOA_D
 ClientSampleId :
 1S-A3-(30)

Tot Ion: 65 Resp: 421439
 Ion Ratio Lower Upper
 65 100
 67 42.8 0.0 85.8



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.23 min Scan# 691
 Delta R.T. 0.02 min
 Lab File: VD063371.D
 Acq: 3 Aug 2019 19:39

Tgt Ion: 114 Resp: 1045312
 Ion Ratio Lower Upper
 114 100
 63 19.8 0.0 35.2
 88 16.5 0.0 34.6





#35

Dibromofluoromethane

Concen: 50.010 ug/l

RT: 6.93 min Scan# 559

Delta R.T. 0.02 min

Lab File: VD063371.D

Acq: 3 Aug 2019 19:39

Instrument :

MSVOA_D

ClientSampleId :

1S-A3-(30)

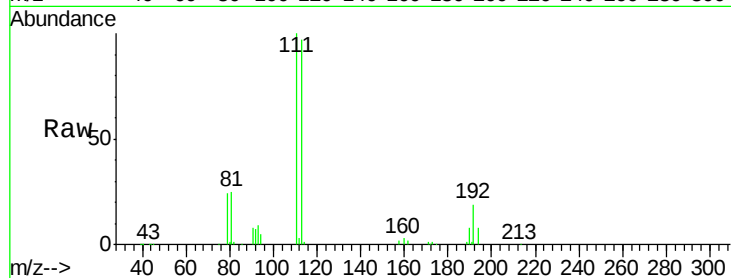
Tot Ion:113 Resp: 446323

Ion Ratio Lower Upper

113 100

111 102.9 83.2 124.8

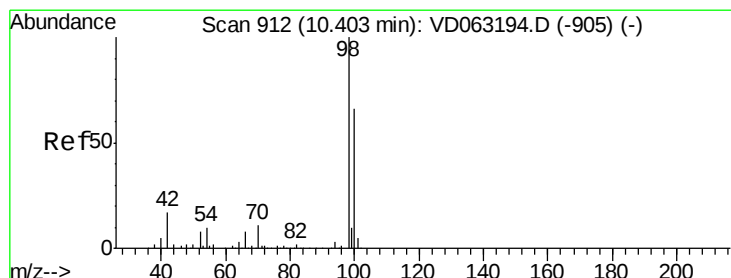
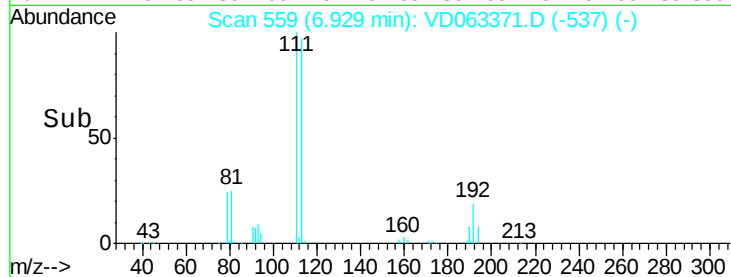
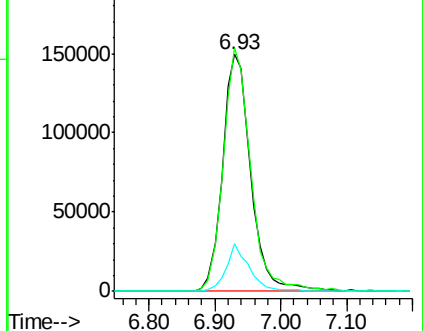
192 20.0 11.8 17.8#



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: 40.824 ug/l

RT: 10.42 min Scan# 914

Delta R.T. 0.02 min

Lab File: VD063371.D

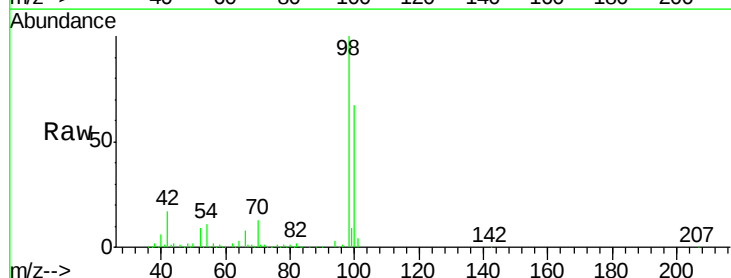
Acq: 3 Aug 2019 19:39

Tgt Ion: 98 Resp: 815389

Ion Ratio Lower Upper

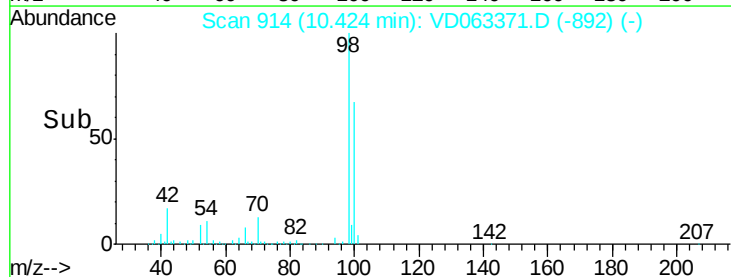
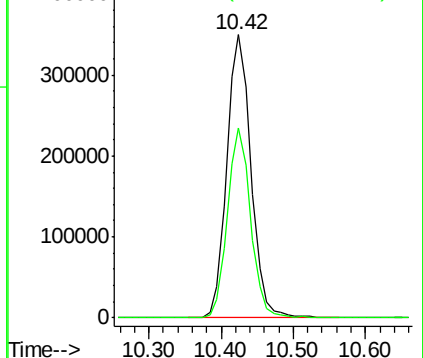
98 100

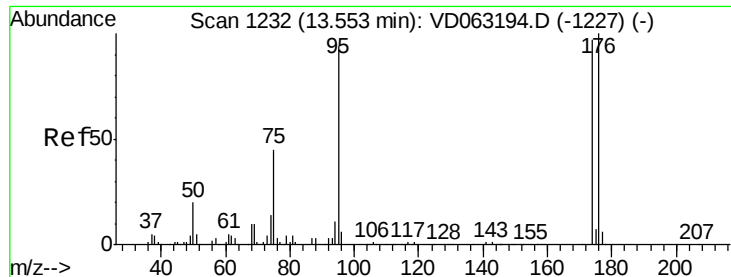
100 67.3 53.2 79.8



Abundance Ion 98.05 (97.75 to 98.75): V

Ion 100.05 (99.75 to 100.75): V





#62

4-Bromofluorobenzene

Concen: 30.914 ug/l

RT: 13.56 min Scan# 1233

Delta R.T. 0.01 min

Lab File: VD063371.D

Acq: 3 Aug 2019 19:39

Instrument :

MSVOA_D

ClientSampleId :

1S-A3-(30)

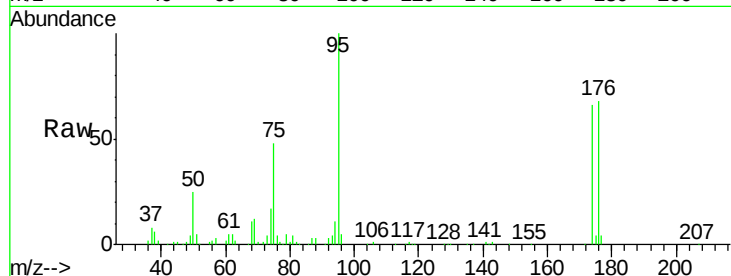
Tot Ion: 95 Resp: 281377

Ion Ratio Lower Upper

95 100

174 66.0 0.0 205.4

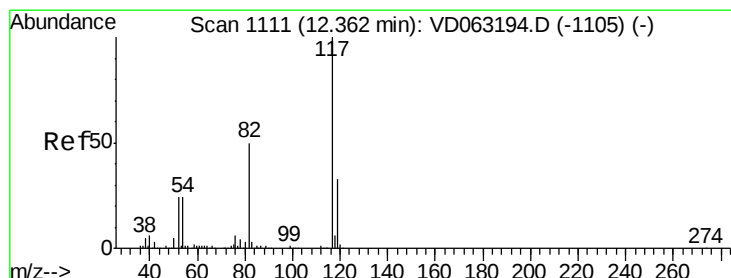
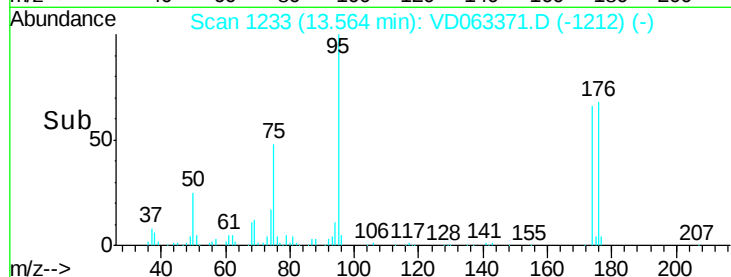
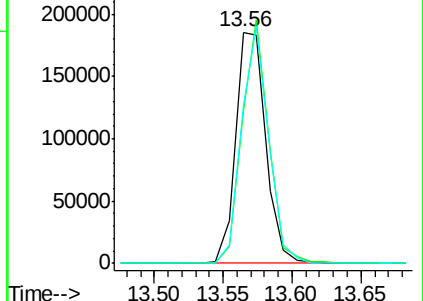
176 68.4 0.0 211.8



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: VD063371.D

Acq: 3 Aug 2019 19:39

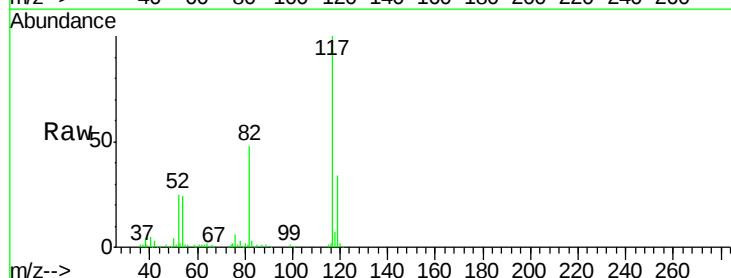
Tgt Ion: 117 Resp: 714356

Ion Ratio Lower Upper

117 100

82 48.1 40.1 60.1

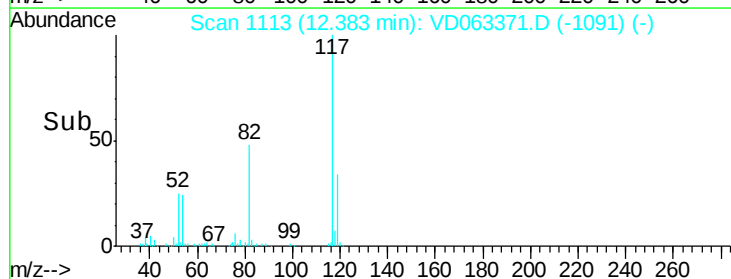
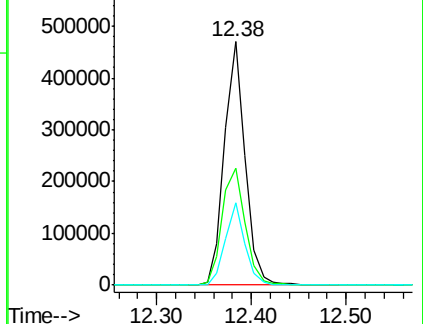
119 33.7 26.5 39.7

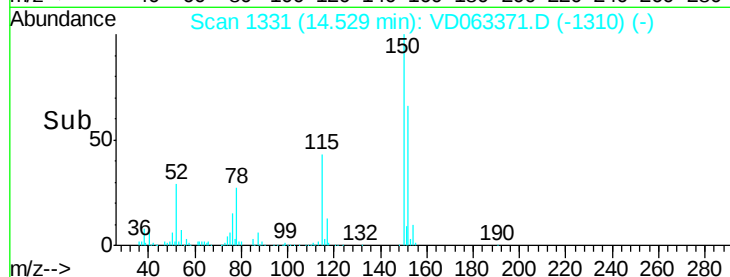
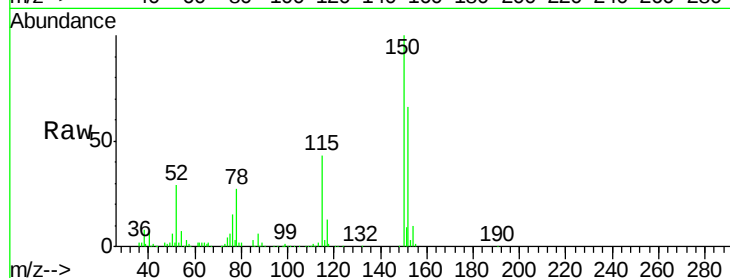
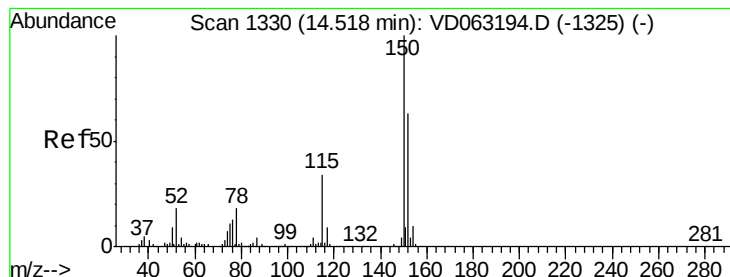


Abundance Ion 116.95 (116.65 to 117.65): V

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: 14.53 min Scan# 1331

Delta R.T. 0.01 min

Lab File: VD063371.D

Acq: 3 Aug 2019 19:39

Instrument :

MSVOA_D

ClientSampleId :

1S-A3-(30)

Tot Ion:152 Resp: 238276

Ion Ratio Lower Upper

152 100

115 65.4 27.5 82.4

150 152.2 0.0 320.6

