

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD082019\
 Data File : VD063691.D
 Acq On : 20 Aug 2019 18:13
 Operator : JC/SY
 Sample : K4388-06
 Misc : 5.09g/5ml/MSVOA D/SOIL
 ALS Vial : 28 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 T4-B4-(2)

Quant Time: Aug 21 04:40:52 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D080919S.M
 Quant Title : SW846 8260
 QLast Update : Sat Aug 10 06:42:47 2019
 Response via : Initial Calibration

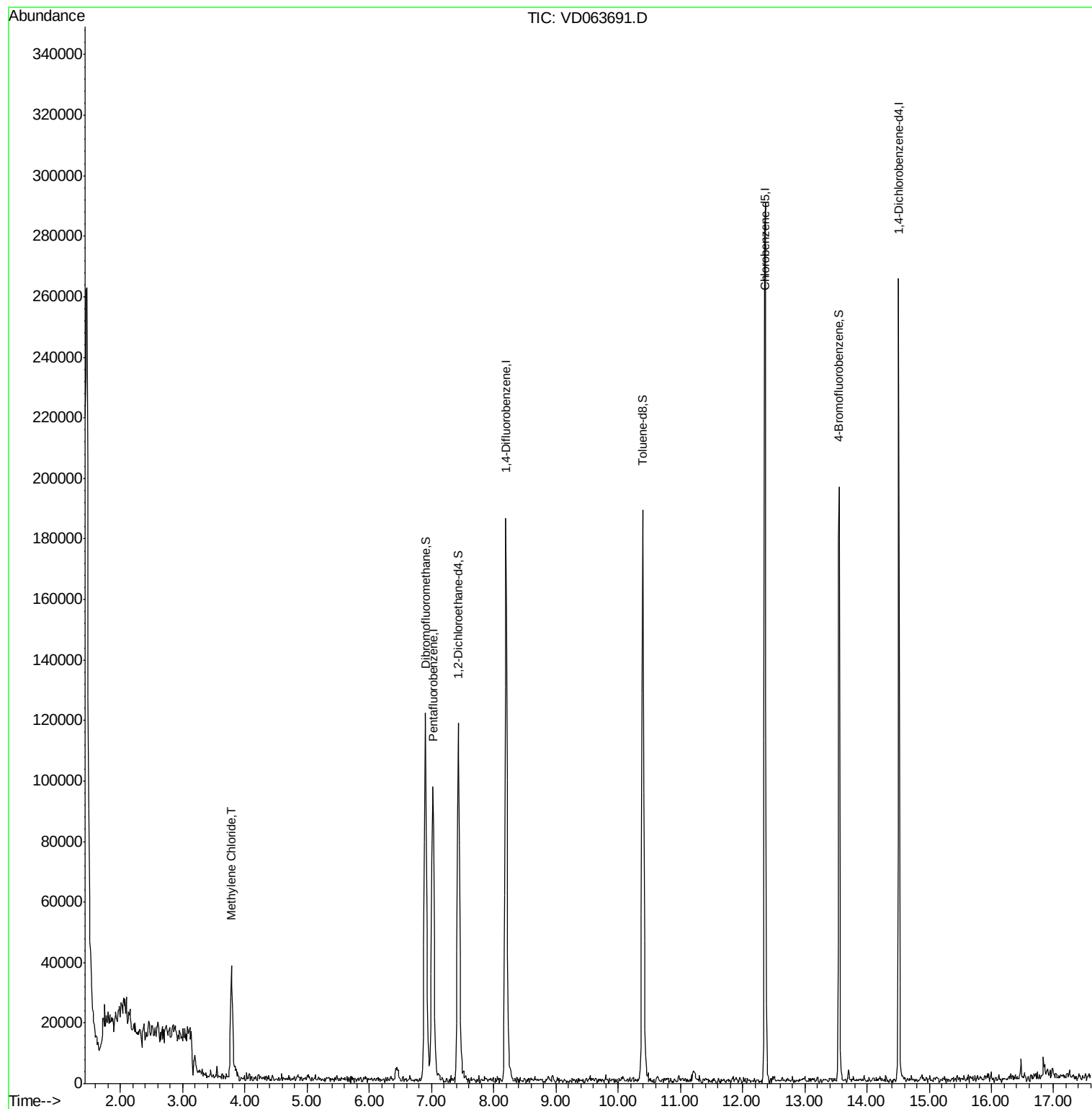
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.03	168	99927	50.00	ug/l	-0.04
34) 1,4-Difluorobenzene	8.20	114	186666	50.00	ug/l	-0.04
63) Chlorobenzene-d5	12.36	117	168802	50.00	ug/l	-0.02
72) 1,4-Dichlorobenzene-d4	14.51	152	52754	50.00	ug/l	-0.02
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	7.43	65	132759	124.29	ug/l	-0.04
Spiked Amount 50.000			Recovery	=	248.58%	
35) Dibromofluoromethane	6.91	113	105002	66.79	ug/l	-0.03
Spiked Amount 50.000			Recovery	=	133.58%	
50) Toluene-d8	10.39	98	157426	45.55	ug/l	-0.03
Spiked Amount 50.000			Recovery	=	91.10%	
62) 4-Bromofluorobenzene	13.54	95	56719	36.21	ug/l	-0.02
Spiked Amount 50.000			Recovery	=	72.42%	
Target Compounds						
20) Methylene Chloride	3.79	84	23297	24.813	ug/l #	93

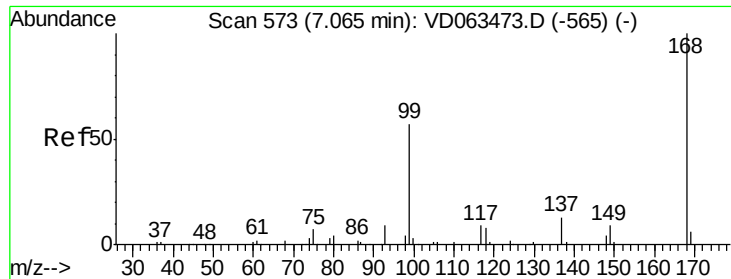
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
QLast Update : Sat Aug 10 06:42:47 2019
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.03 min Scan# 569

Delta R.T. -0.04 min

Lab File: VD063691.D

Acq: 20 Aug 2019 18:13

Instrument :

MSVOA_D

ClientSampleId :

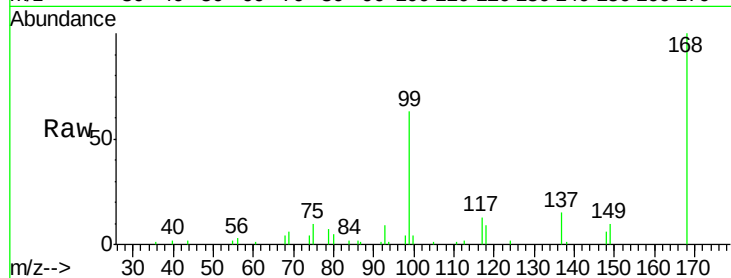
T4-B4-(2)

Tot Ion:168 Resp: 99927

Ion Ratio Lower Upper

168 100

99 62.5 46.7 70.1



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.95 (98.65 to 99.65): VDC

7.03

30000

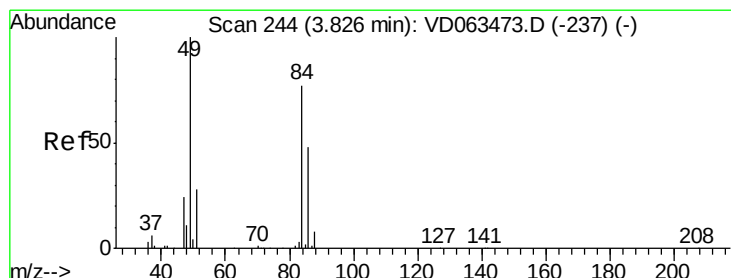
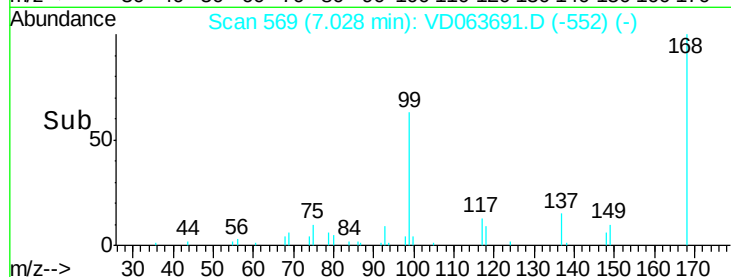
20000

10000

0

Time-->

6.90 7.00 7.10 7.20



#20

Methylene Chloride

Concen: 24.813 ug/l

RT: 3.79 min Scan# 240

Delta R.T. -0.04 min

Lab File: VD063691.D

Acq: 20 Aug 2019 18:13

Tgt Ion: 84 Resp: 23297

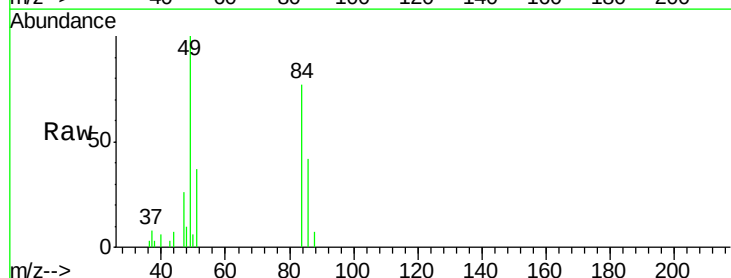
Ion Ratio Lower Upper

84 100

49 130.6 103.4 155.2

51 48.8 28.5 42.7#

86 54.4 49.4 74.2



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

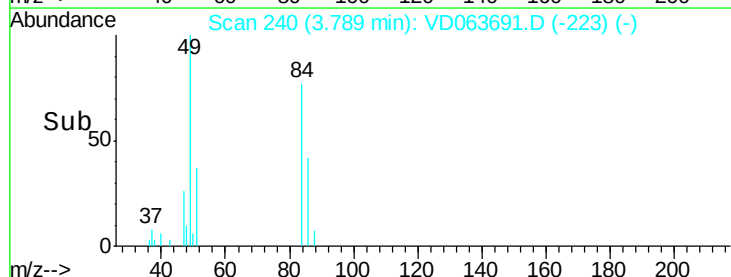
10000

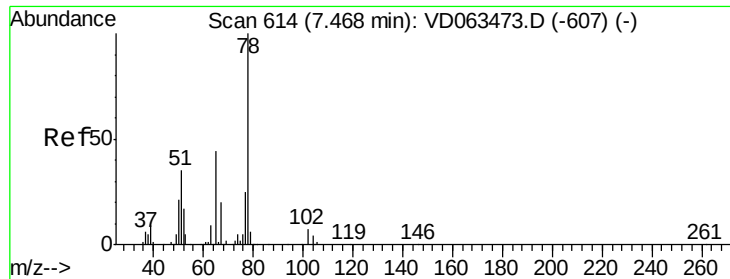
5000

0

Time-->

3.70 3.80 3.90

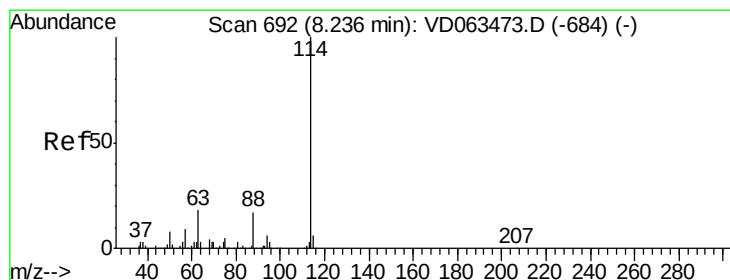
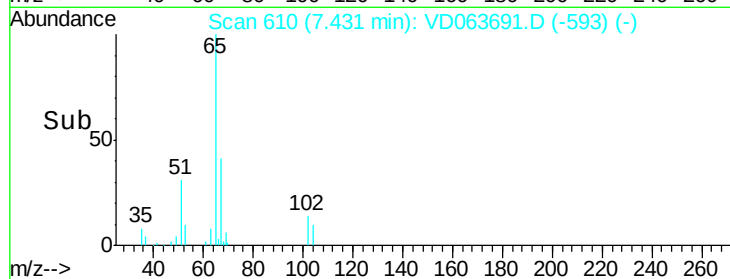
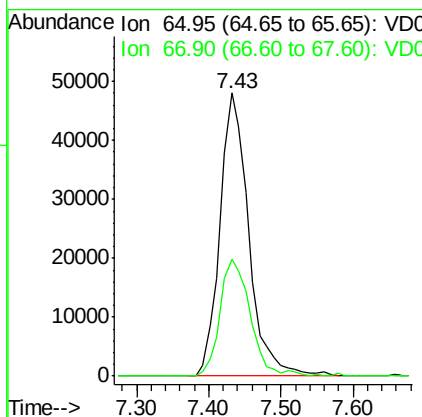
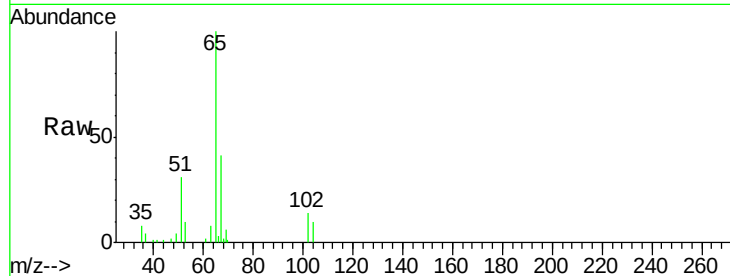




#33
 1,2-Dichloroethane-d4
 Concen: 124.290 ug/l
 RT: 7.43 min Scan# 610
 Delta R.T. -0.04 min
 Lab File: VD063691.D
 Acq: 20 Aug 2019 18:13

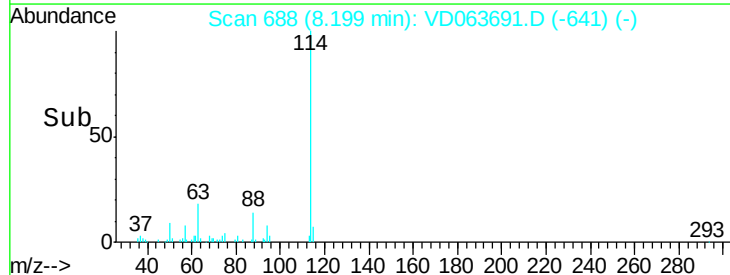
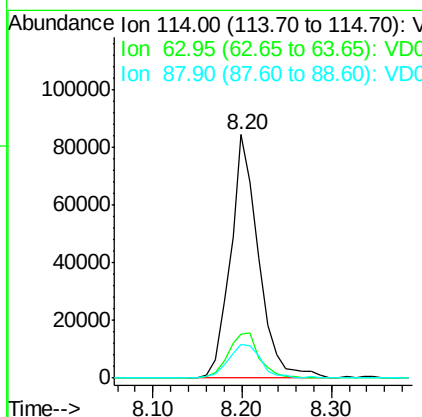
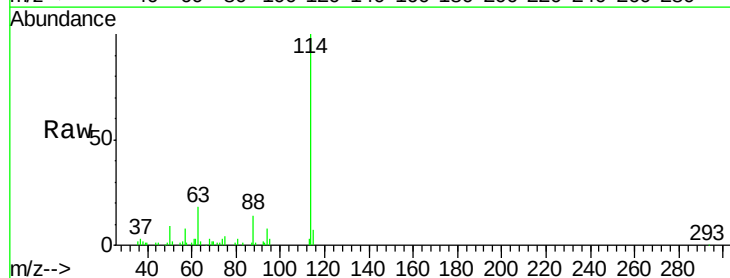
Instrument :
 MSVOA_D
 ClientSampleId :
 T4-B4-(2)

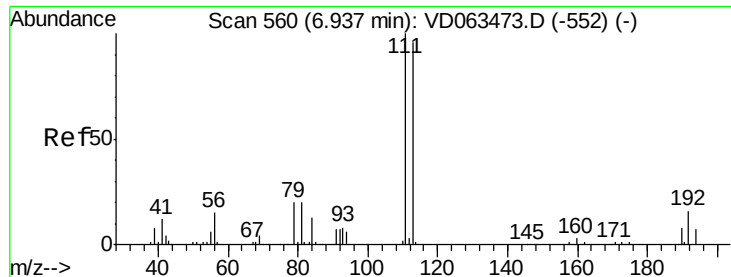
Tot Ion: 65 Resp: 132759
 Ion Ratio Lower Upper
 65 100
 67 41.2 0.0 89.2



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.20 min Scan# 688
 Delta R.T. -0.04 min
 Lab File: VD063691.D
 Acq: 20 Aug 2019 18:13

Tgt Ion: 114 Resp: 186666
 Ion Ratio Lower Upper
 114 100
 63 17.8 0.0 36.2
 88 13.9 0.0 35.0





#35

Dibromofluoromethane

Concen: 66.790 ug/l

RT: 6.91 min Scan# 557

Delta R.T. -0.03 min

Lab File: VD063691.D

Acq: 20 Aug 2019 18:13

Instrument :

MSVOA_D

ClientSampleId :

T4-B4-(2)

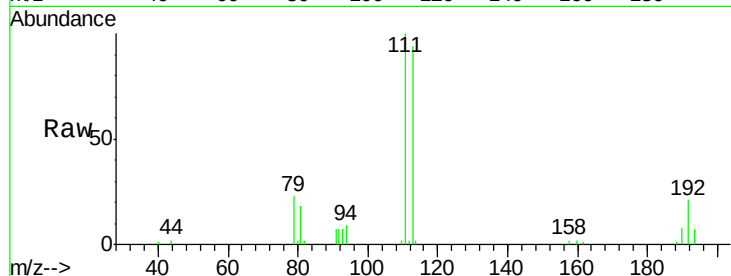
Tot Ion:113 Resp: 105002

Ion Ratio Lower Upper

113 100

111 106.6 83.1 124.7

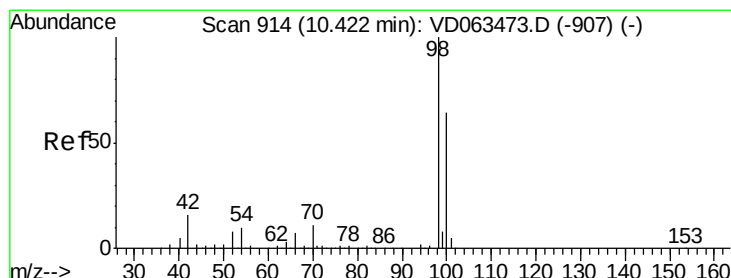
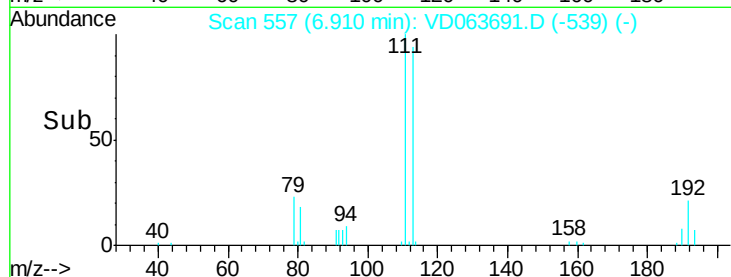
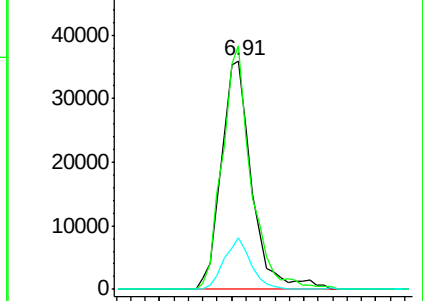
192 22.6 13.1 19.7#



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: 45.547 ug/l

RT: 10.39 min Scan# 911

Delta R.T. -0.03 min

Lab File: VD063691.D

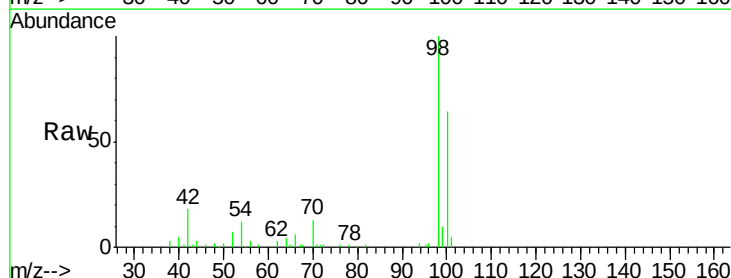
Acq: 20 Aug 2019 18:13

Tgt Ion: 98 Resp: 157426

Ion Ratio Lower Upper

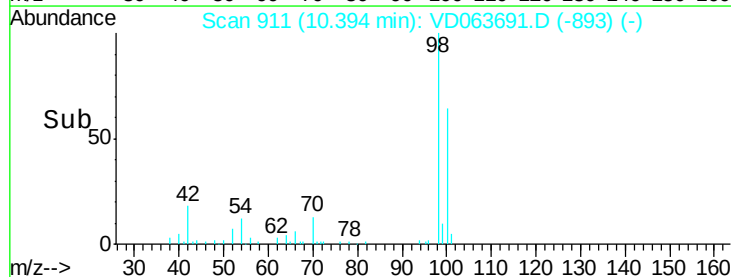
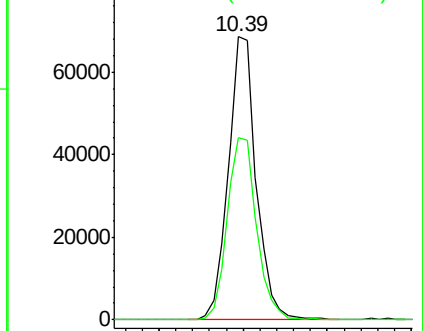
98 100

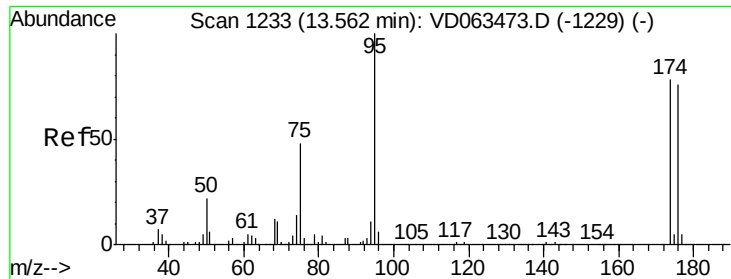
100 64.3 51.7 77.5



Abundance Ion 98.05 (97.75 to 98.75): V

Ion 100.05 (99.75 to 100.75): V

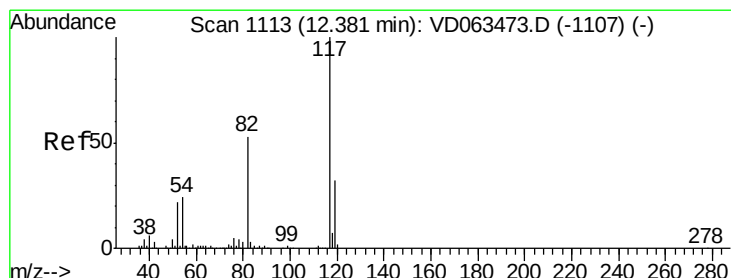
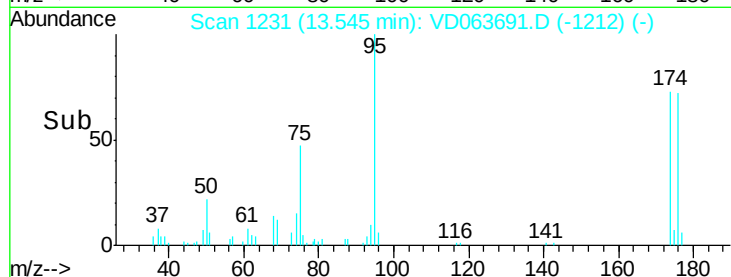
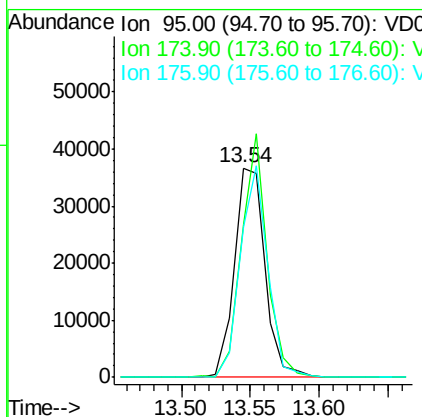
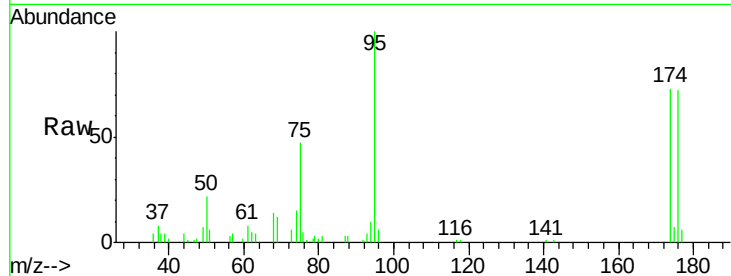




#62
4-Bromofluorobenzene
Concen: 36.206 ug/l
RT: 13.54 min Scan# 1231
Delta R.T. -0.02 min
Lab File: VD063691.D
Acq: 20 Aug 2019 18:13

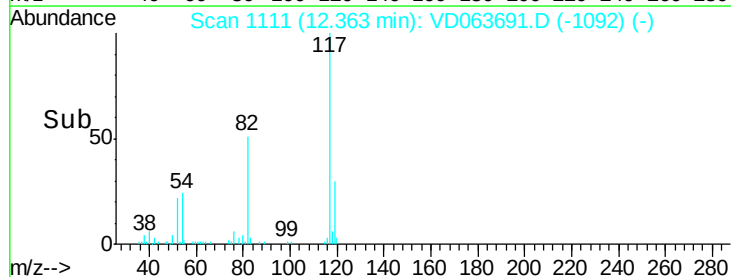
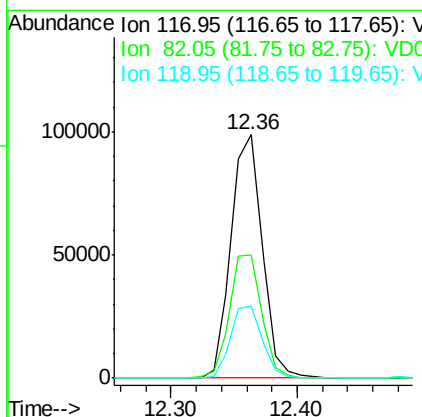
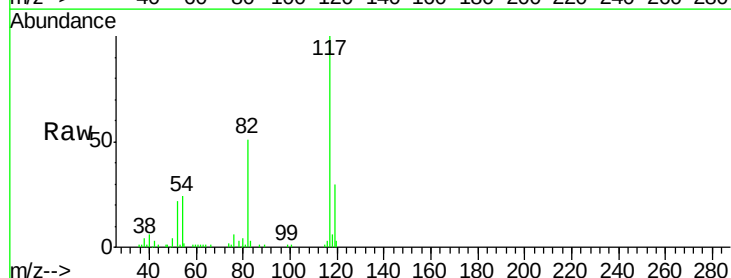
Instrument :
MSVOA_D
ClientSampleId :
T4-B4-(2)

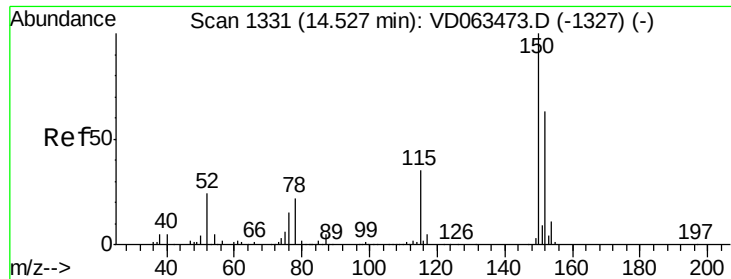
Tot Ion: 95 Resp: 56719
Ion Ratio Lower Upper
95 100
174 72.9 0.0 155.4
176 71.8 0.0 152.4



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 12.36 min Scan# 1111
Delta R.T. -0.02 min
Lab File: VD063691.D
Acq: 20 Aug 2019 18:13

Tgt Ion: 117 Resp: 168802
Ion Ratio Lower Upper
117 100
82 50.6 42.0 63.0
119 29.6 25.4 38.0





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 14.51 min Scan# 1329

Delta R.T. -0.02 min

Lab File: VD063691.D

Acq: 20 Aug 2019 18:13

Instrument :

MSVOA_D

ClientSampleId :

T4-B4-(2)

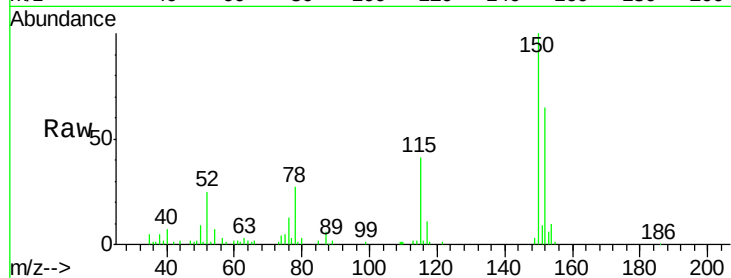
Tot Ion:152 Resp: 52754

Ion Ratio Lower Upper

152 100

115 62.7 30.9 92.7

150 152.9 0.0 318.6



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

