

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD081919\
 Data File : VD063670.D
 Acq On : 19 Aug 2019 20:55
 Operator : JC/SY
 Sample : K4389-03RE
 Misc : 6.79g/5ml/MSVOA D/SOIL
 ALS Vial : 31 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 T6-E3(2)RE

Quant Time: Aug 20 09:02:44 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

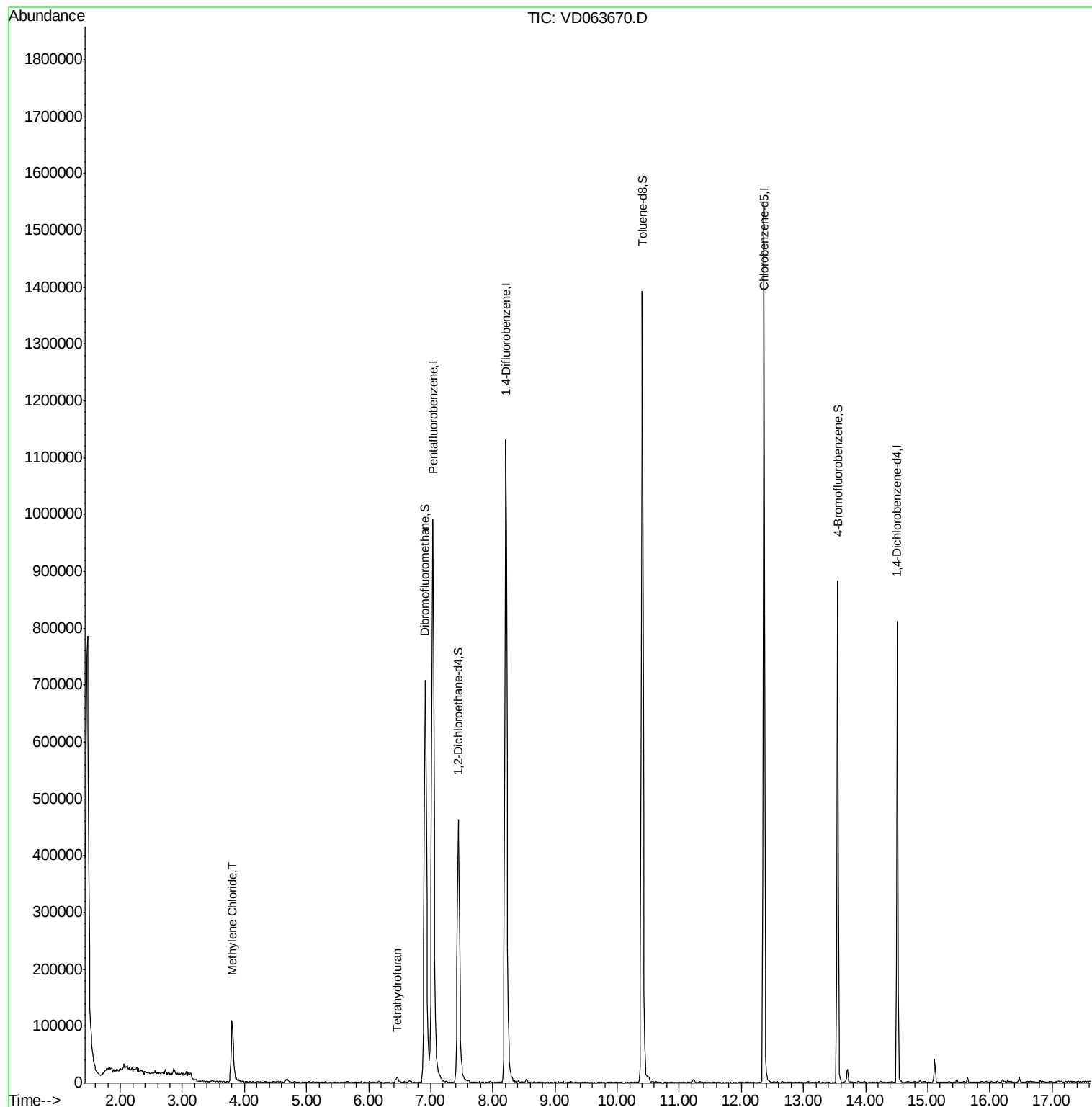
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.04	168	996010	50.00	ug/l	-0.03
34) 1,4-Difluorobenzene	8.21	114	1291326	50.00	ug/l	-0.03
63) Chlorobenzene-d5	12.36	117	828629	50.00	ug/l	-0.02
72) 1,4-Dichlorobenzene-d4	14.52	152	195174	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	7.44	65	549856	51.65	ug/l	-0.03
Spiked Amount 50.000			Recovery	=	103.30%	
35) Dibromofluoromethane	6.92	113	639976	58.84	ug/l	-0.02
Spiked Amount 50.000			Recovery	=	117.68%	
50) Toluene-d8	10.40	98	1121918	46.92	ug/l	-0.02
Spiked Amount 50.000			Recovery	=	93.84%	
62) 4-Bromofluorobenzene	13.55	95	269594	24.88	ug/l	0.00
Spiked Amount 50.000			Recovery	=	49.76%	
Target Compounds						
20) Methylene Chloride	3.80	84	66259	7.080	ug/l #	79
29) Tetrahydrofuran	6.46	42	8049	8.081	ug/l	91

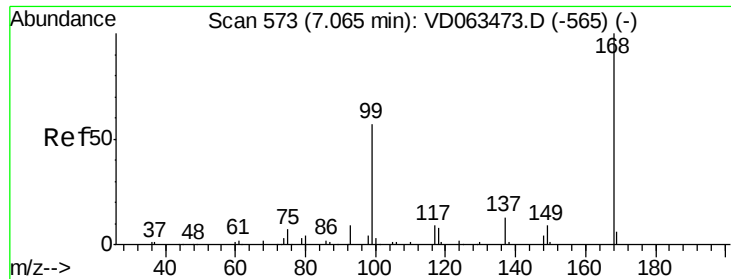
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
QLast Update : Sat Aug 10 06:42:47 2019
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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.04 min Scan# 570

Delta R.T. -0.03 min

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Acq: 19 Aug 2019 20:55

Instrument :

MSVOA_D

ClientSampleId :

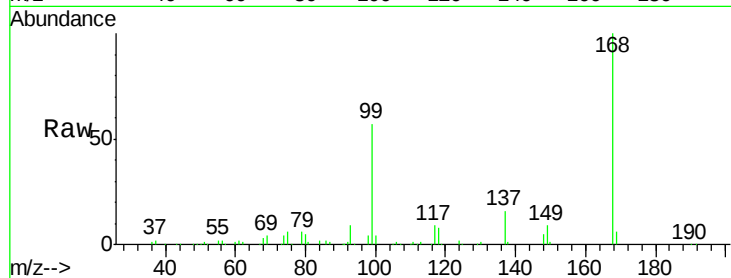
T6-E3(2)RE

Tot Ion:168 Resp: 996010

Ion Ratio Lower Upper

168 100

99 56.8 46.7 70.1



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.95 (98.65 to 99.65): VDC

7.04

400000

300000

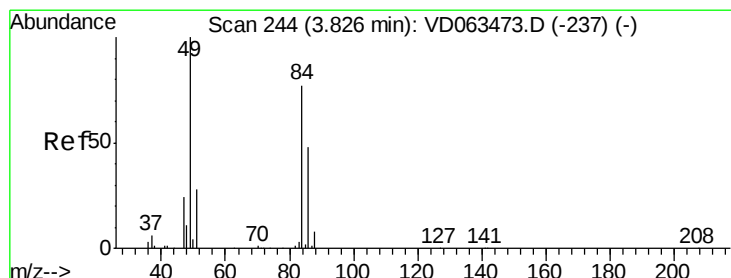
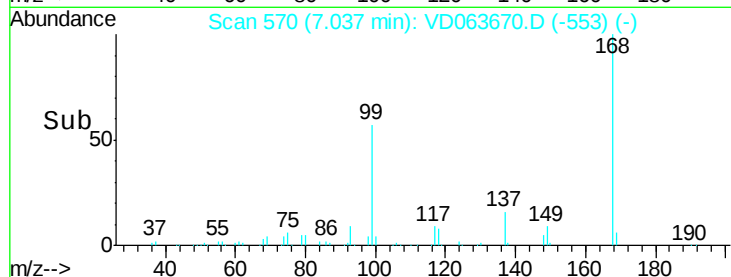
200000

100000

0

6.90 7.00 7.10 7.20 7.30

Time-->



#20

Methylene Chloride

Concen: 7.080 ug/l

RT: 3.80 min Scan# 241

Delta R.T. -0.03 min

Lab File: VD063670.D

Acq: 19 Aug 2019 20:55

Tgt Ion: 84 Resp: 66259

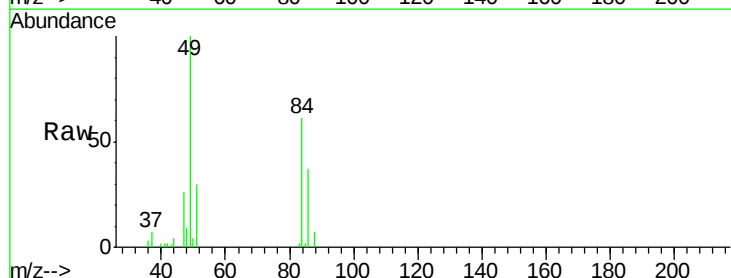
Ion Ratio Lower Upper

84 100

49 163.7 103.4 155.2#

51 48.7 28.5 42.7#

86 60.2 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

50000

40000

30000

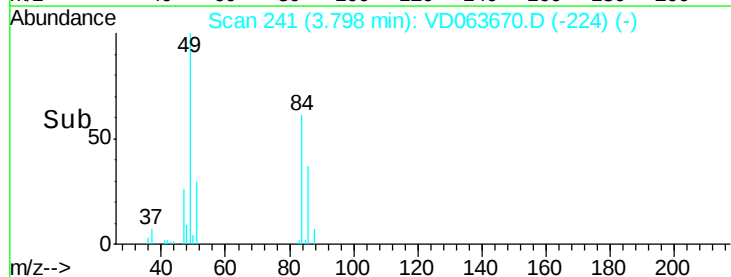
20000

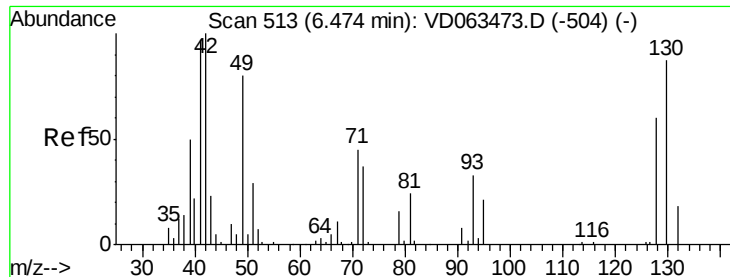
10000

0

3.70 3.80 3.90

Time-->





#29

Tetrahydrofuran

Concen: 8.081 ug/l

RT: 6.46 min Scan# 511

Delta R.T. -0.02 min

Lab File: VD063670.D

Acq: 19 Aug 2019 20:55

Instrument :

MSVOA_D

ClientSampleId :

T6-E3(2)RE

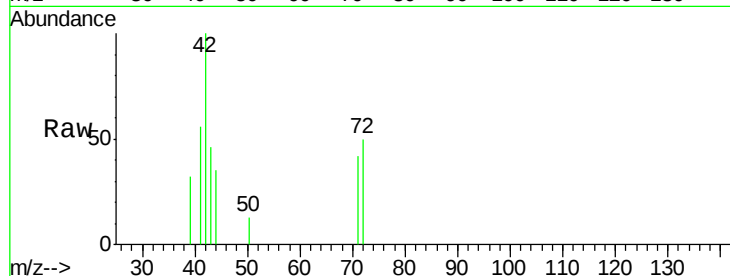
Tot Ion: 42 Resp: 8049

Ion Ratio Lower Upper

42 100

72 33.5 31.5 47.3

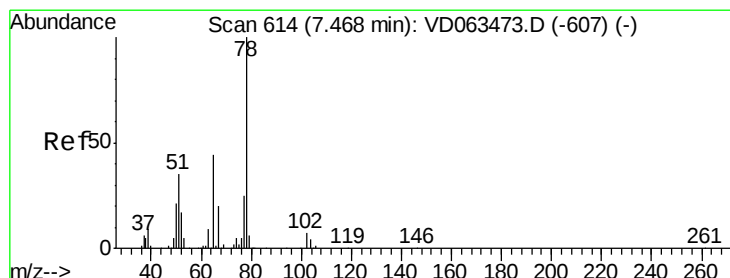
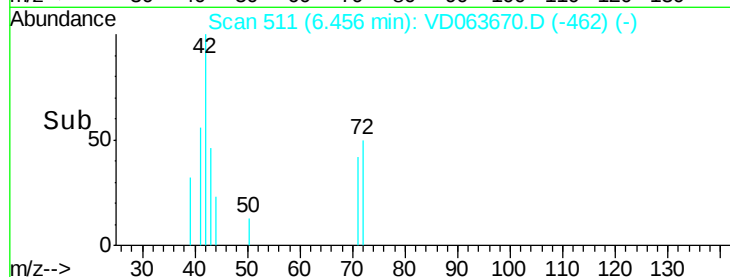
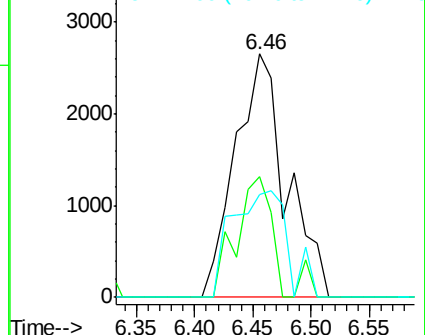
71 47.9 33.8 50.8



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: 51.646 ug/l

RT: 7.44 min Scan# 611

Delta R.T. -0.03 min

Lab File: VD063670.D

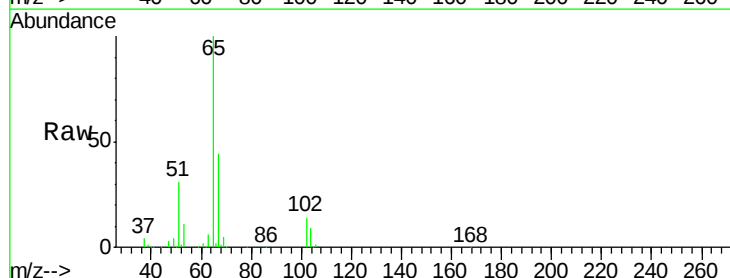
Acq: 19 Aug 2019 20:55

Tgt Ion: 65 Resp: 549856

Ion Ratio Lower Upper

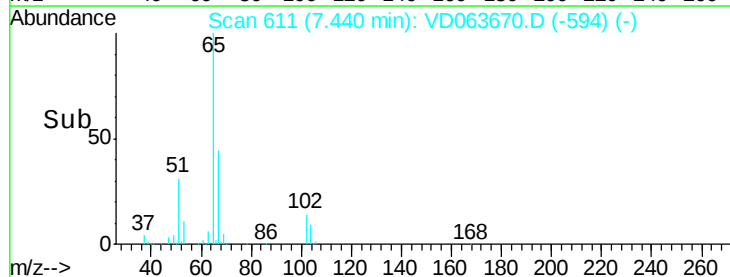
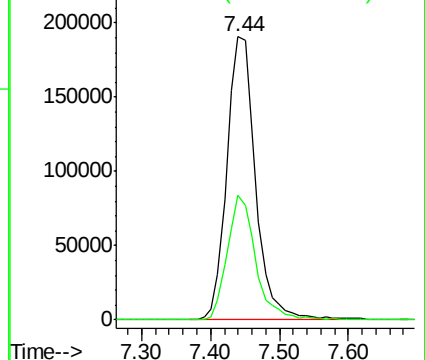
65 100

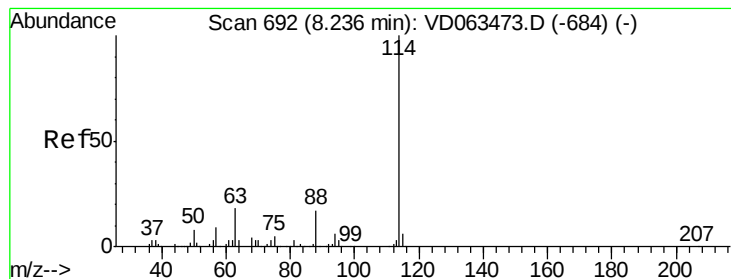
67 44.0 0.0 89.2



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. -0.03 min

Lab File: VD063670.D

Acq: 19 Aug 2019 20:55

Instrument :

MSVOA_D

ClientSampleId :

T6-E3(2)RE

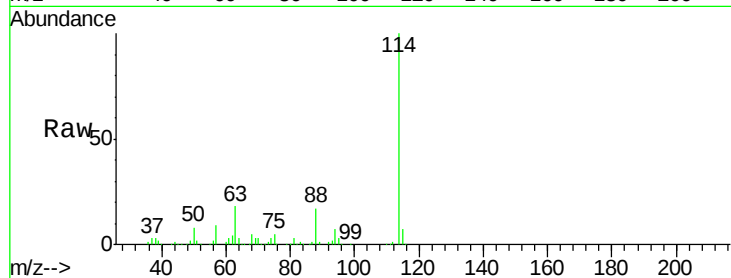
Tot Ion:114 Resp: 1291326

Ion Ratio Lower Upper

114 100

63 17.6 0.0 36.2

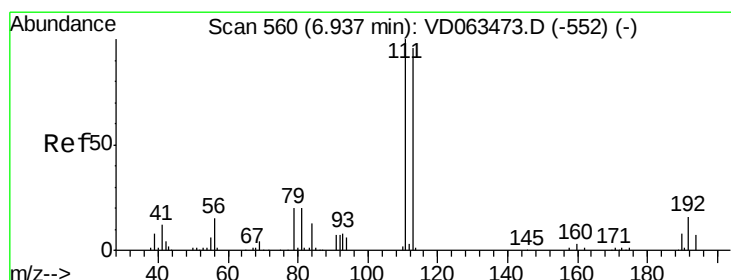
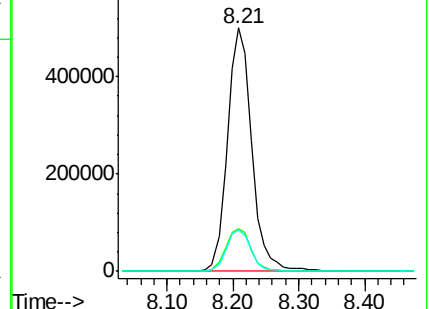
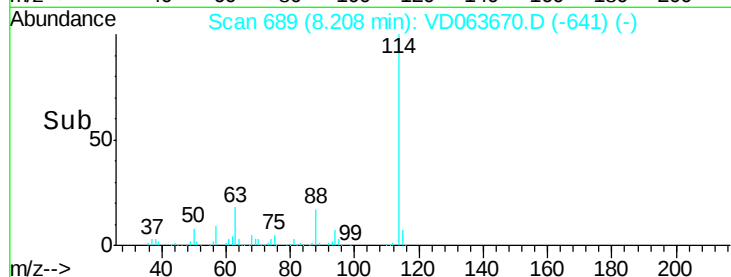
88 16.9 0.0 35.0



Abundance Ion 114.00 (113.70 to 114.70): V

Ion 62.95 (62.65 to 63.65): V

Ion 87.90 (87.60 to 88.60): V



#35

Dibromofluoromethane

Concen: 58.845 ug/l

RT: 6.92 min Scan# 558

Delta R.T. -0.02 min

Lab File: VD063670.D

Acq: 19 Aug 2019 20:55

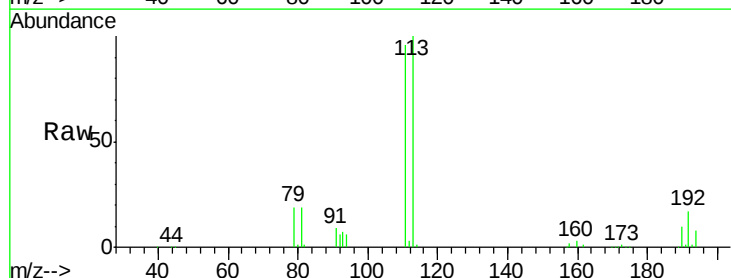
Tgt Ion:113 Resp: 639976

Ion Ratio Lower Upper

113 100

111 95.6 83.1 124.7

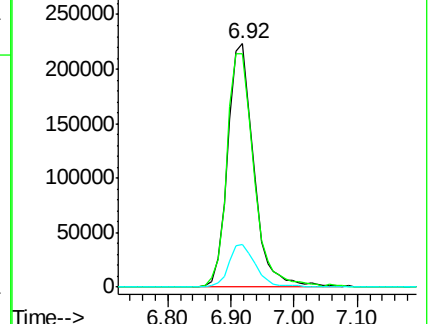
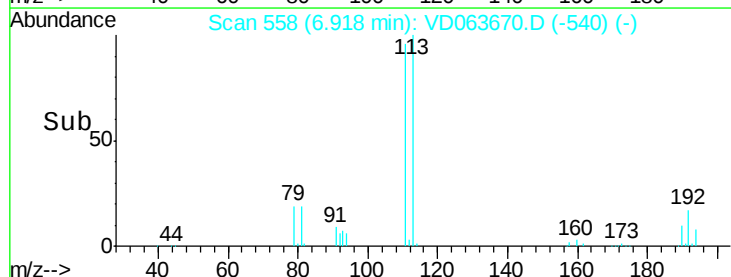
192 17.4 13.1 19.7

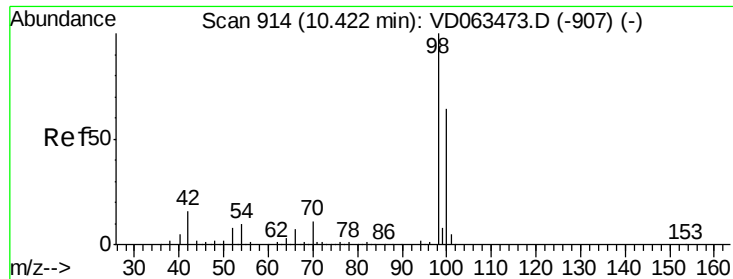


Abundance Ion 112.90 (112.60 to 113.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 191.80 (191.50 to 192.50): V

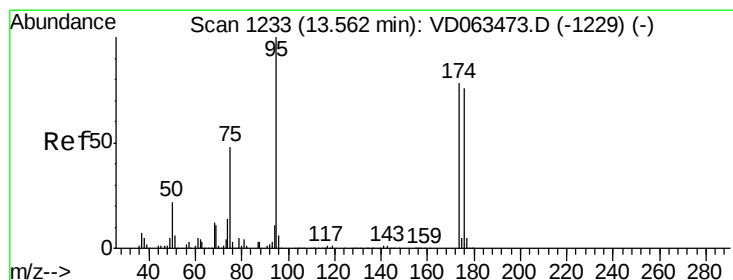
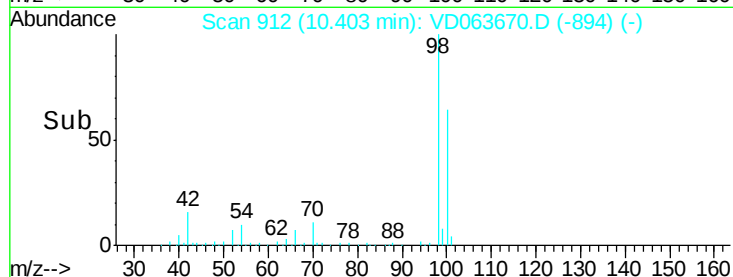
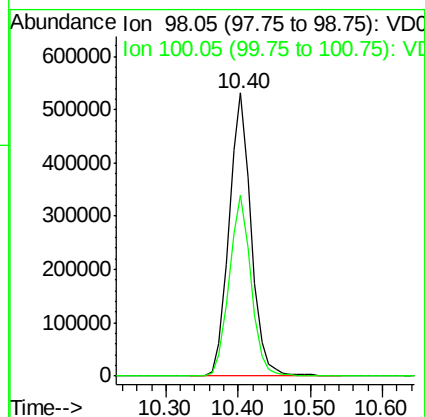
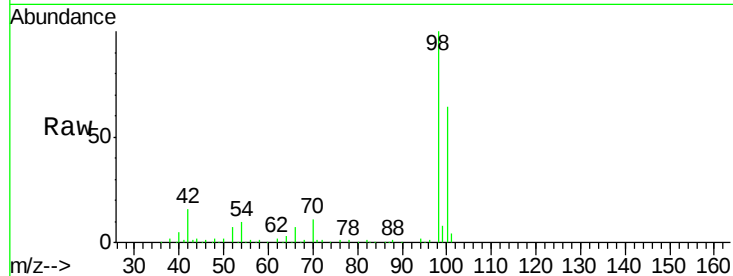




#50
Toluene-d8
Concen: 46.921 ug/l
RT: 10.40 min Scan# 912
Delta R.T. -0.02 min
Lab File: VD063670.D
Acq: 19 Aug 2019 20:55

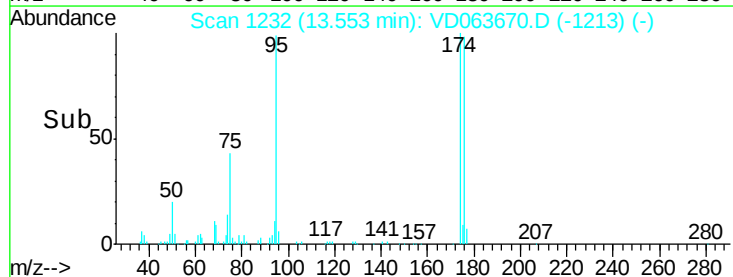
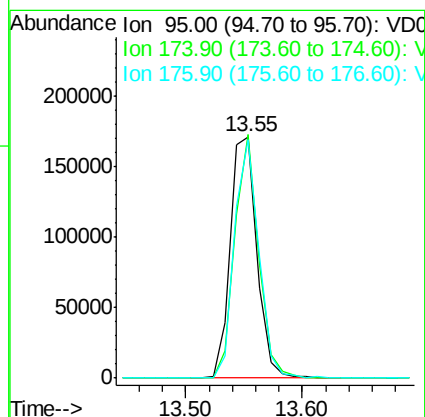
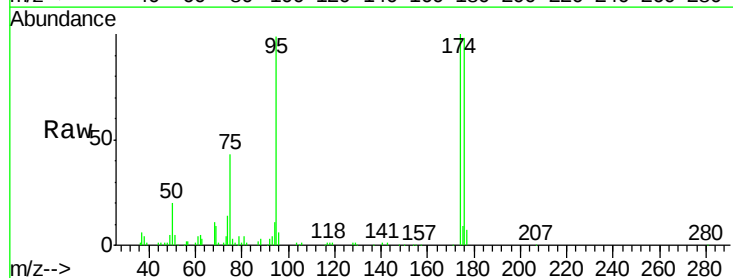
Instrument :
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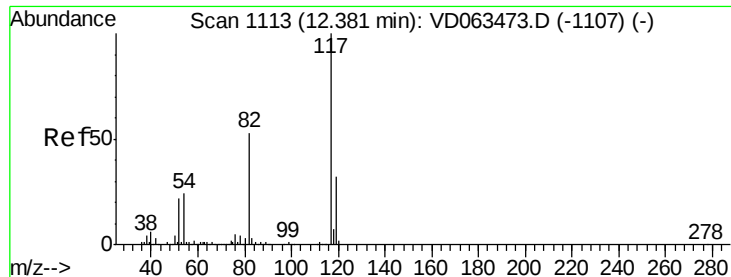
Tot Ion: 98 Resp: 1121918
Ion Ratio Lower Upper
98 100
100 64.0 51.7 77.5



#62
4-Bromofluorobenzene
Concen: 24.877 ug/l
RT: 13.55 min Scan# 1232
Delta R.T. -0.01 min
Lab File: VD063670.D
Acq: 19 Aug 2019 20:55

Tgt Ion: 95 Resp: 269594
Ion Ratio Lower Upper
95 100
174 100.8 0.0 155.4
176 98.9 0.0 152.4

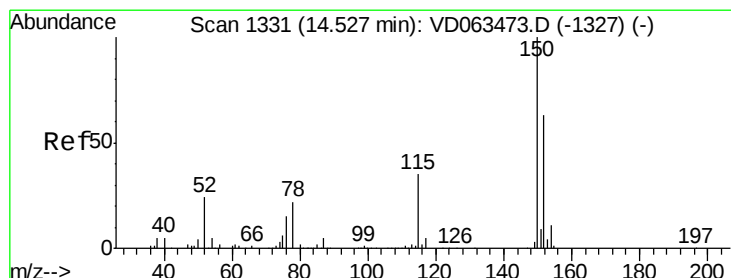
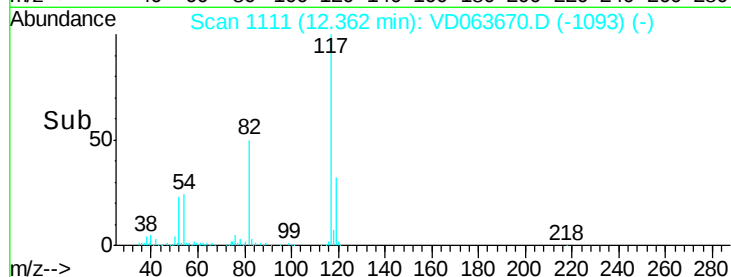
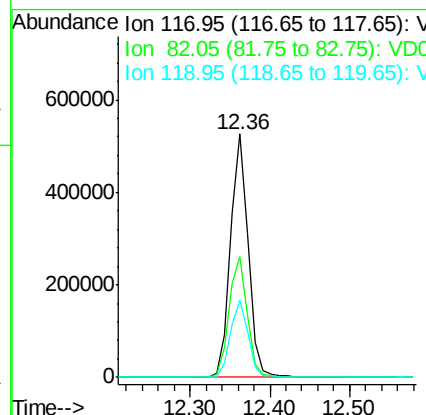
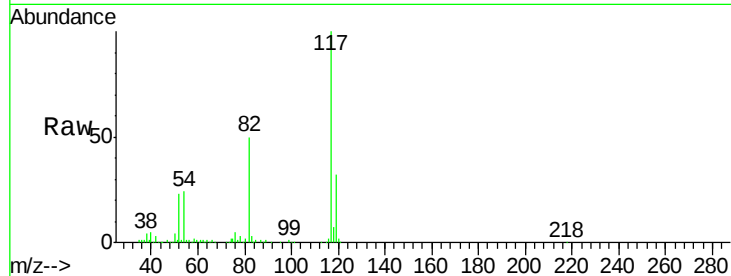




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 12.36 min Scan# 1111
Delta R.T. -0.02 min
Lab File: VD063670.D
Acq: 19 Aug 2019 20:55

Instrument :
MSVOA_D
ClientSampleId :
T6-E3(2)RE

Tot Ion:117 Resp: 828629
Ion Ratio Lower Upper
117 100
82 49.6 42.0 63.0
119 31.8 25.4 38.0



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 14.52 min Scan# 1330
Delta R.T. -0.01 min
Lab File: VD063670.D
Acq: 19 Aug 2019 20:55

Tgt Ion:152 Resp: 195174
Ion Ratio Lower Upper
152 100
115 47.8 30.9 92.7
150 157.7 0.0 318.6

