

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD021320\
 Data File : VD065171.D
 Acq On : 13 Feb 2020 10:46
 Operator : VA/SY
 Sample : VD0213SBL01
 Misc : 5.00G/5.00ml/MSVOA D/SOIL
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0213SBL01

Quant Time: Feb 14 07:24:20 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D020520S.M
 Quant Title : SW846 8260
 QLast Update : Wed Feb 05 15:53:00 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.99	168	513428	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	828073	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.65	117	903535	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	453015	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.34	65	240930	55.21	ug/l	0.00
Spiked Amount	50.000		Recovery	=	110.42%	
35) Dibromofluoromethane	7.92	113	257297	55.69	ug/l	0.00
Spiked Amount	50.000		Recovery	=	111.38%	
50) Toluene-d8	10.34	98	1018968	55.41	ug/l	0.00
Spiked Amount	50.000		Recovery	=	110.82%	
62) 4-Bromofluorobenzene	12.64	95	400934	68.81	ug/l	0.00
Spiked Amount	50.000		Recovery	=	137.62%	

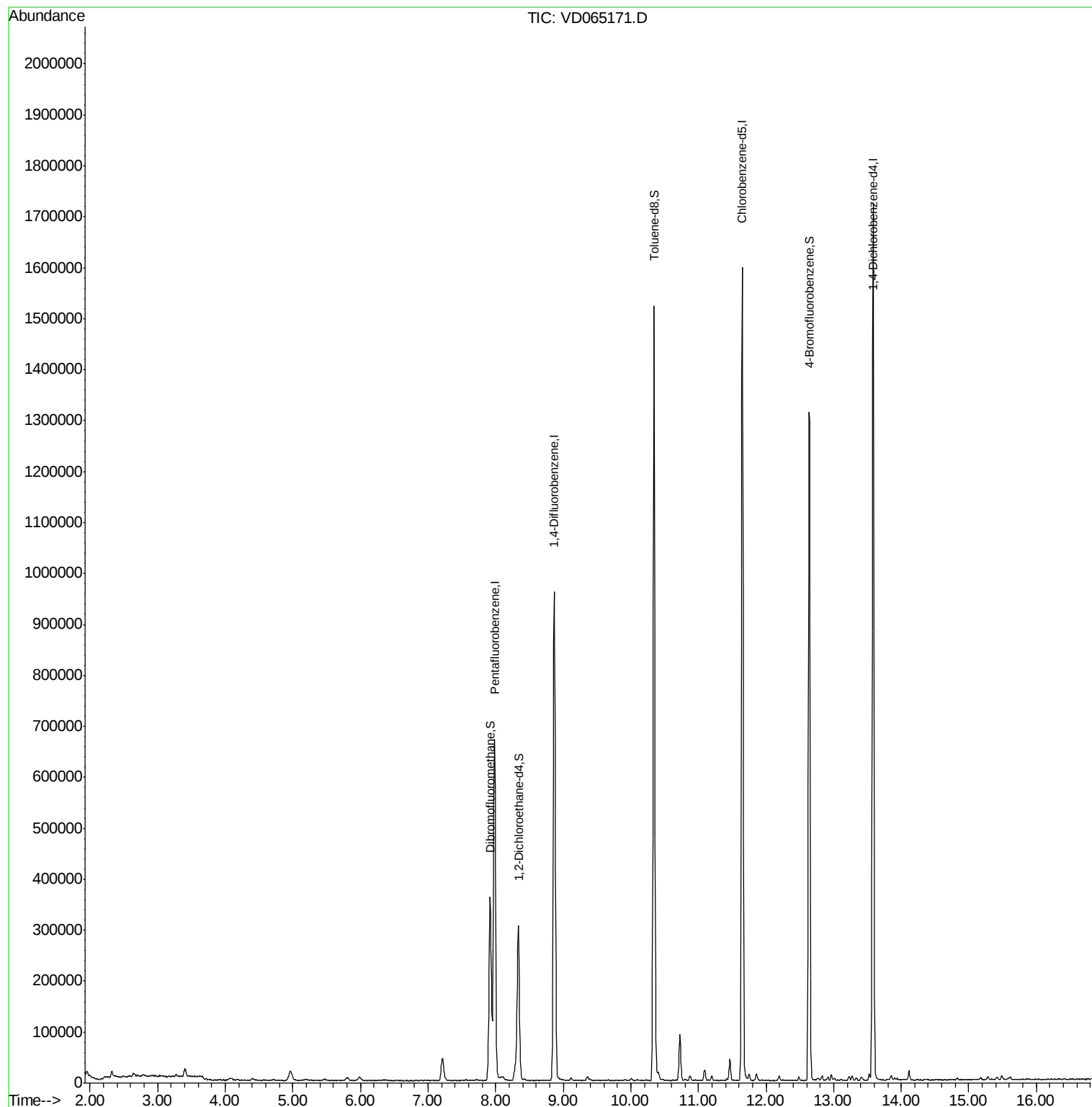
Target Compounds	Qvalue

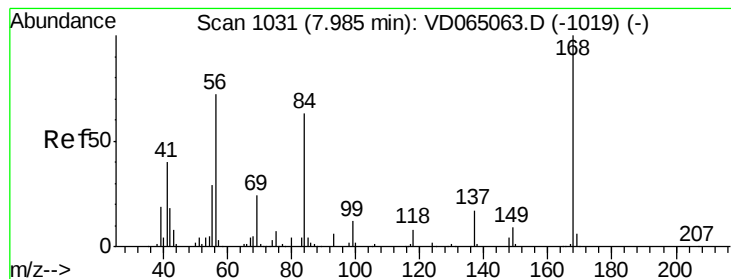
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Wed Feb 05 15:53:00 2020
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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.99 min Scan# 1031

Delta R.T. 0.00 min

Lab File: VD065171.D

Acq: 13 Feb 2020 10:46

Instrument :

MSVOA_D

ClientSampleId :

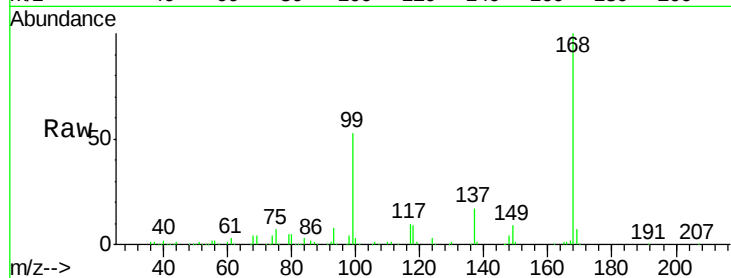
VD0213SBL01

Tot Ion:168 Resp: 513428

Ion Ratio Lower Upper

168 100

99 53.2 41.0 61.6



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VDC

7.99

250000

200000

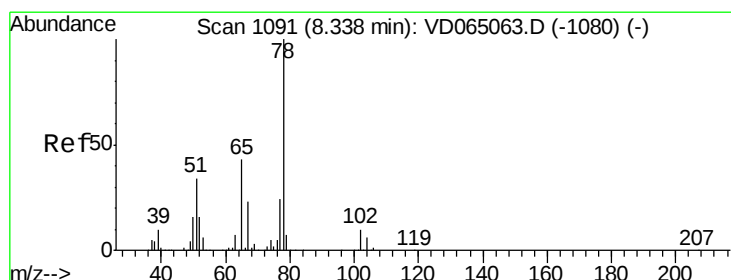
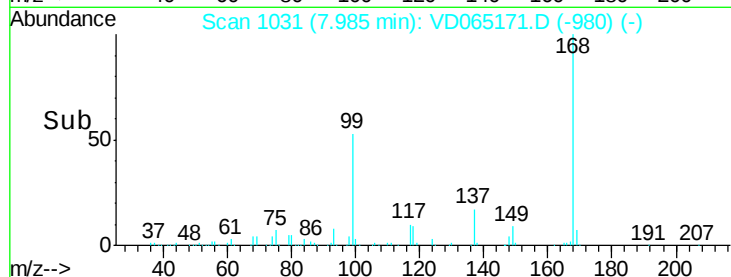
150000

100000

50000

0

Time-->



#33

1,2-Dichloroethane-d4

Concen: 55.212 ug/l

RT: 8.34 min Scan# 1091

Delta R.T. 0.00 min

Lab File: VD065171.D

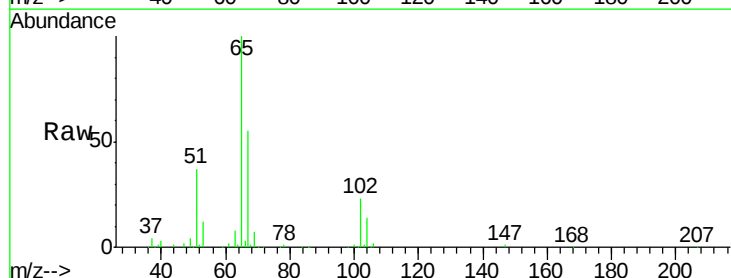
Acq: 13 Feb 2020 10:46

Tgt Ion: 65 Resp: 240930

Ion Ratio Lower Upper

65 100

67 53.4 0.0 105.8



Abundance Ion 64.90 (64.60 to 65.60): VDC

Ion 66.90 (66.60 to 67.60): VDC

8.34

120000

100000

80000

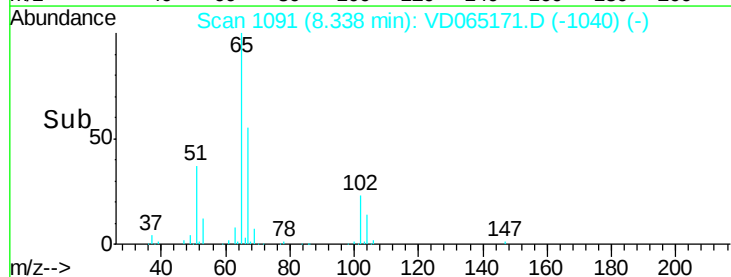
60000

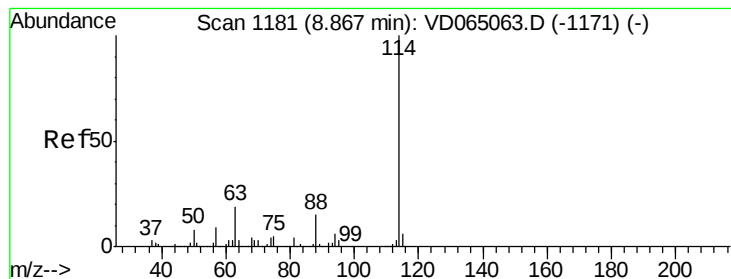
40000

20000

0

Time-->





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.87 min Scan# 1181

Delta R.T. 0.00 min

Lab File: VD065171.D

Acq: 13 Feb 2020 10:46

Instrument :

MSVOA_D

ClientSampleId :

VD0213SBL01

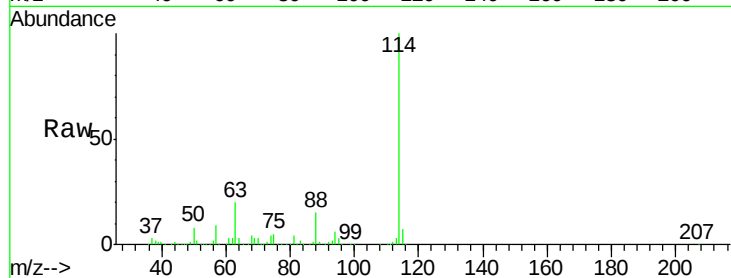
Tot Ion:114 Resp: 828073

Ion Ratio Lower Upper

114 100

63 19.7 0.0 38.8

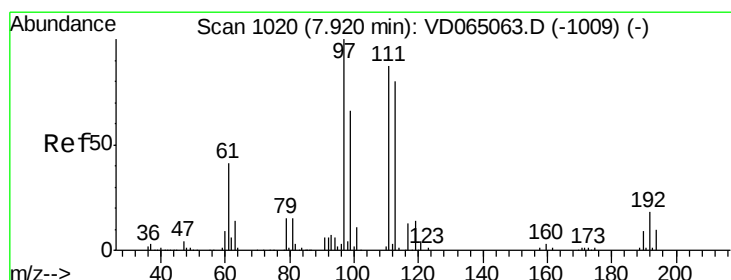
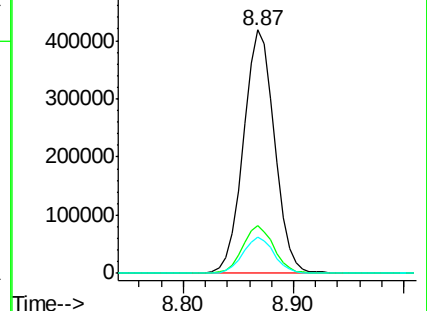
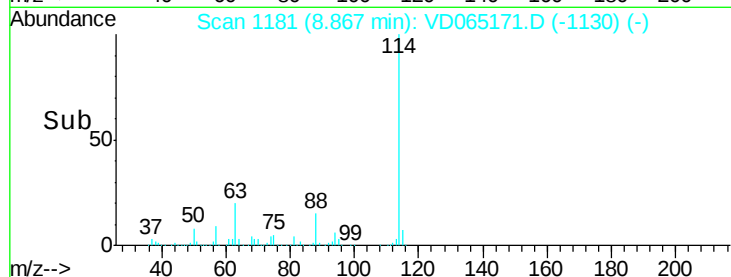
88 15.1 0.0 29.6



Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): V

Ion 87.90 (87.60 to 88.60): V



#35

Dibromofluoromethane

Concen: 55.690 ug/l

RT: 7.92 min Scan# 1020

Delta R.T. 0.00 min

Lab File: VD065171.D

Acq: 13 Feb 2020 10:46

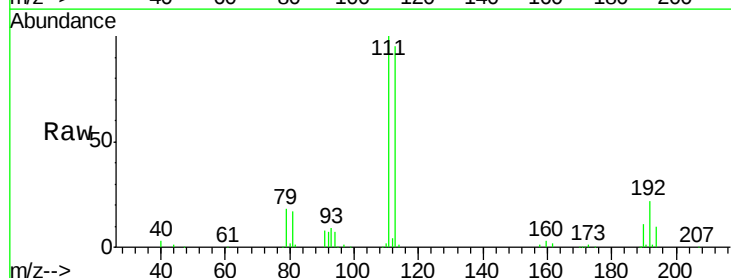
Tgt Ion:113 Resp: 257297

Ion Ratio Lower Upper

113 100

111 103.9 83.1 124.7

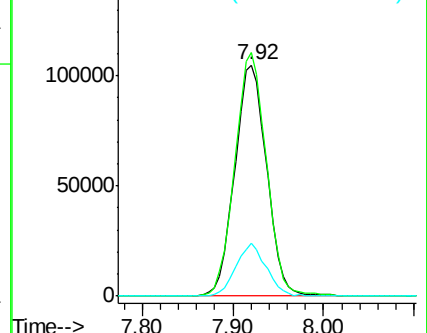
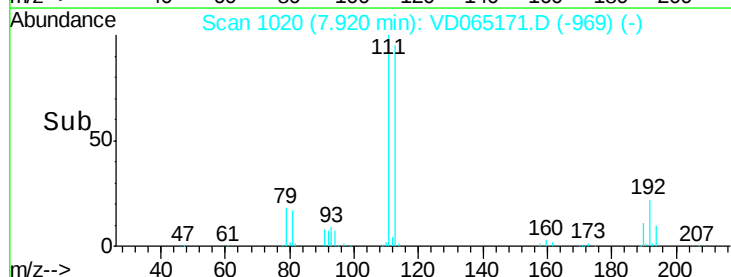
192 21.6 18.1 27.1

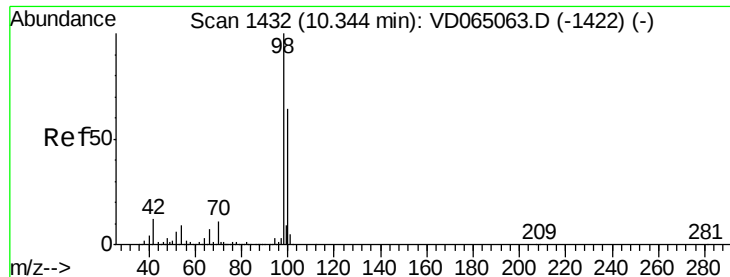


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V





#50

Toluene-d8

Concen: 55.410 ug/l

RT: 10.34 min Scan# 1432

Delta R.T. 0.00 min

Lab File: VD065171.D

Acq: 13 Feb 2020 10:46

Instrument :

MSVOA_D

ClientSampleId :

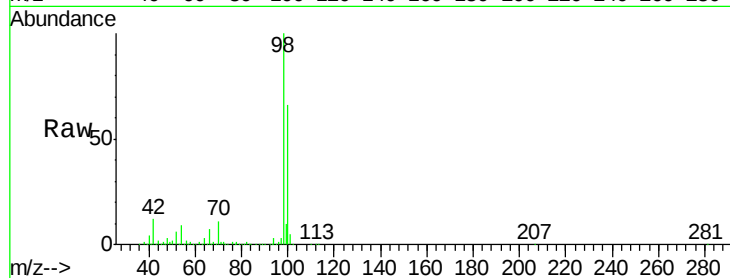
VD0213SBL01

Tot Ion: 98 Resp: 1018968

Ion Ratio Lower Upper

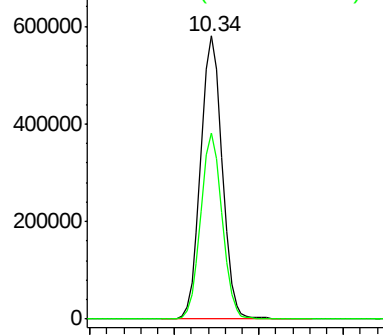
98 100

100 65.3 52.1 78.1

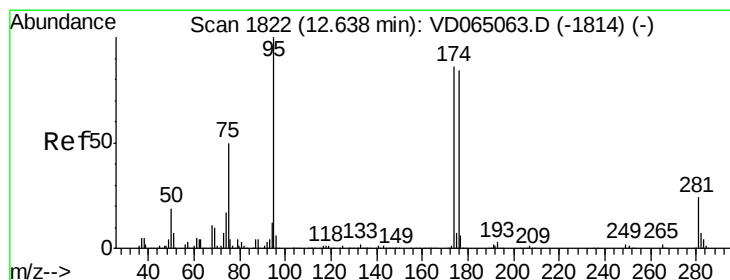
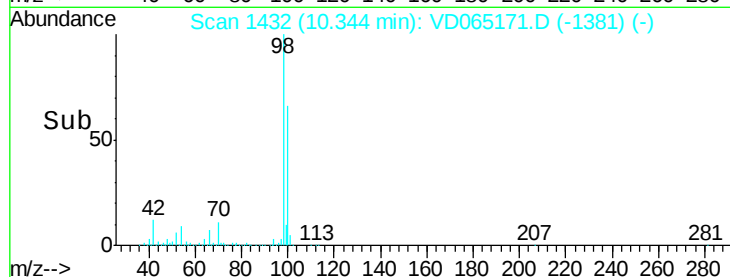


Abundance Ion 98.00 (97.70 to 98.70): VDC

Ion 100.00 (99.70 to 100.70): VDC



Time--> 10.20 10.30 10.40 10.50



#62

4-Bromofluorobenzene

Concen: 68.807 ug/l

RT: 12.64 min Scan# 1822

Delta R.T. 0.00 min

Lab File: VD065171.D

Acq: 13 Feb 2020 10:46

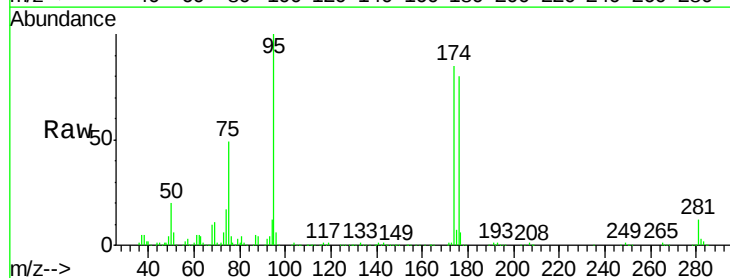
Tgt Ion: 95 Resp: 400934

Ion Ratio Lower Upper

95 100

174 89.1 0.0 180.0

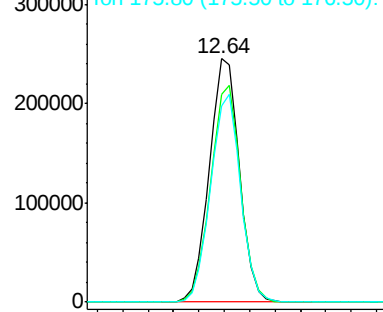
176 85.2 0.0 173.2



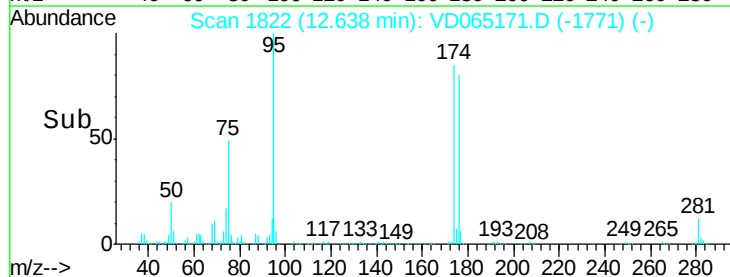
Abundance Ion 94.90 (94.60 to 95.60): VDC

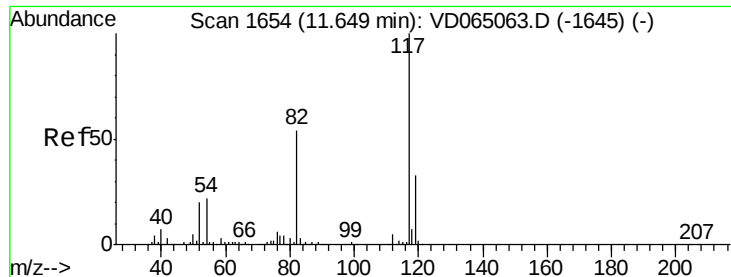
Ion 173.80 (173.50 to 174.50): VDC

Ion 175.80 (175.50 to 176.50): VDC



Time--> 12.60 12.70

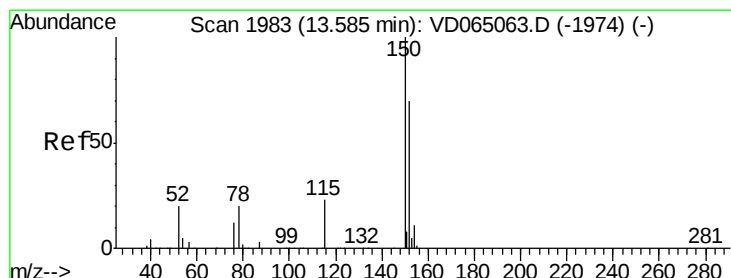
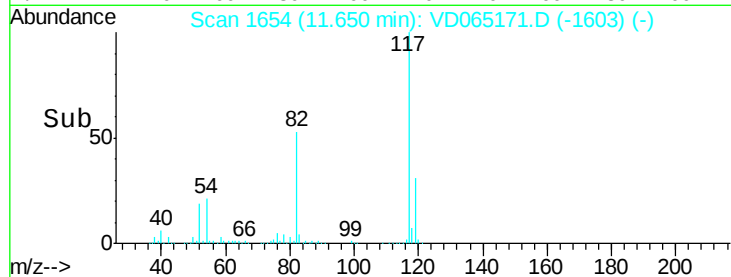
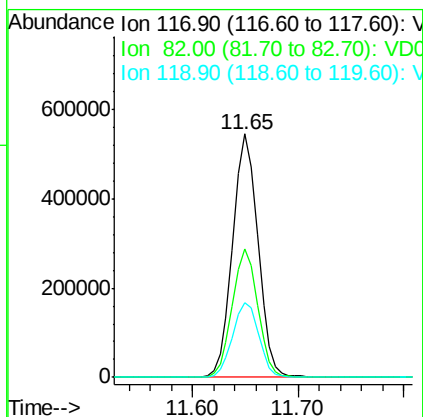
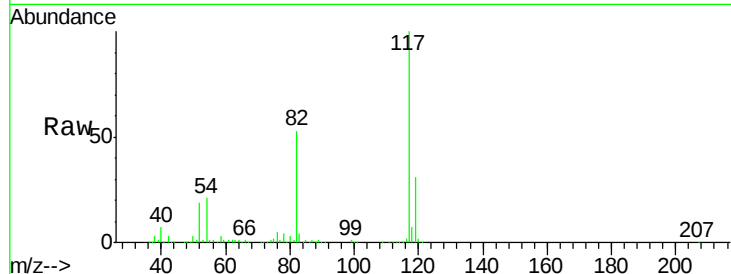




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.65 min Scan# 1654
Delta R.T. 0.00 min
Lab File: VD065171.D
Acq: 13 Feb 2020 10:46

Instrument :
MSVOA_D
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VD0213SBL01

Tot Ion	Ratio	Lower	Upper
117	100		
82	52.8	43.1	64.7
119	30.8	26.0	39.0



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.58 min Scan# 1983
Delta R.T. 0.00 min
Lab File: VD065171.D
Acq: 13 Feb 2020 10:46

Tgt Ion	Ratio	Lower	Upper
152	100		
115	56.0	27.5	82.4
150	158.2	0.0	343.2

