

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD102319\
 Data File : VD064030.D
 Acq On : 23 Oct 2019 19:37
 Operator : VA/SY
 Sample : K5497-20
 Misc : 5.90G/5.00ml/MSVOA D/SOIL
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 189-04-(1.2)

Quant Time: Oct 24 06:56:21 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D100219S.M
 Quant Title : SW846 8260
 QLast Update : Sat Oct 05 03:51:17 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.99	168	35432	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	69581	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.65	117	75653	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	35908	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.34	65	32310	93.66	ug/l	0.00
Spiked Amount	50.000		Recovery	=	187.32%	
35) Dibromofluoromethane	7.93	113	26514	62.35	ug/l	0.01
Spiked Amount	50.000		Recovery	=	124.70%	
50) Toluene-d8	10.34	98	93617	54.24	ug/l	0.00
Spiked Amount	50.000		Recovery	=	108.48%	
62) 4-Bromofluorobenzene	12.64	95	27718	46.21	ug/l	0.00
Spiked Amount	50.000		Recovery	=	92.42%	

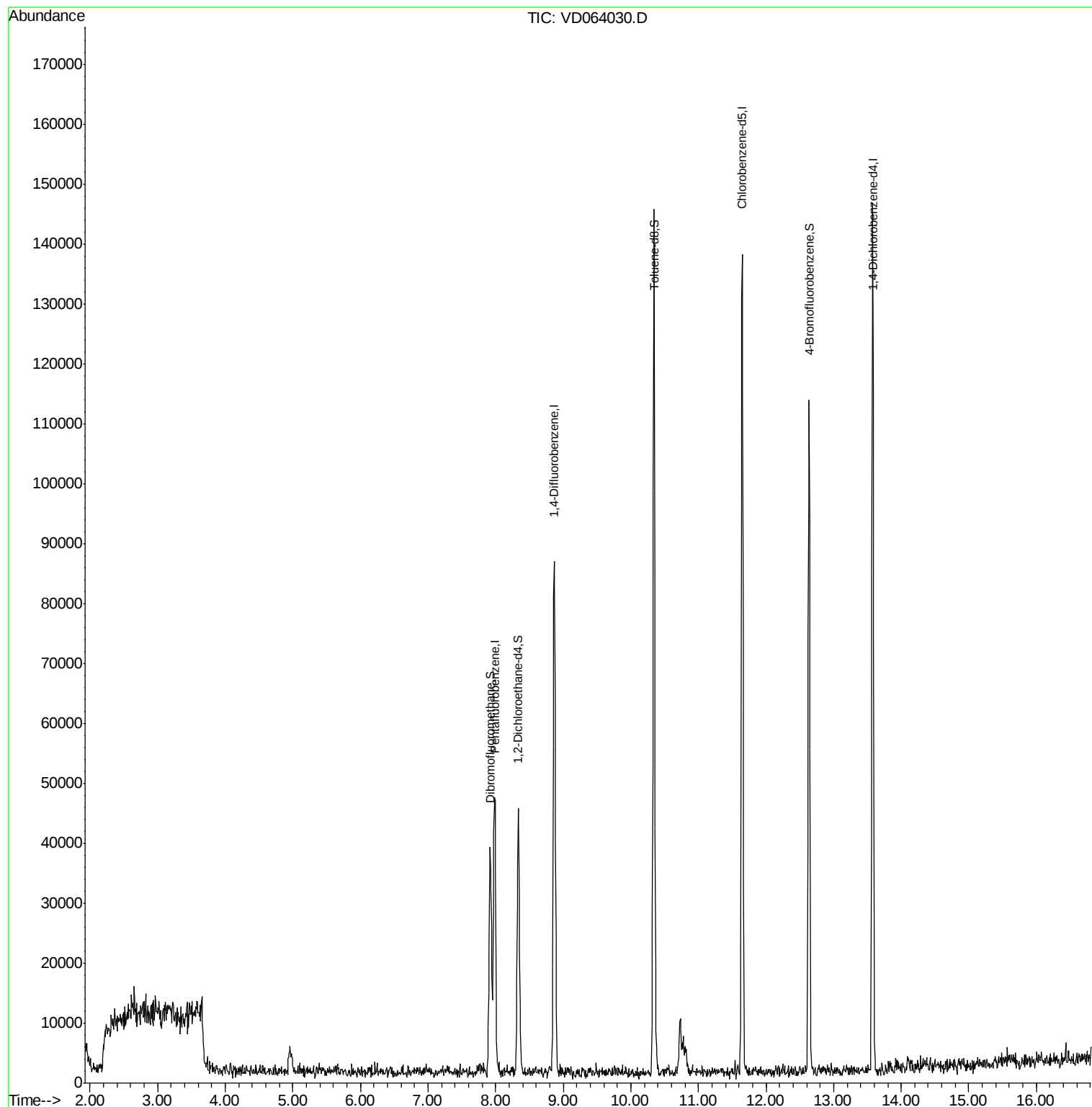
Target Compounds	Qvalue

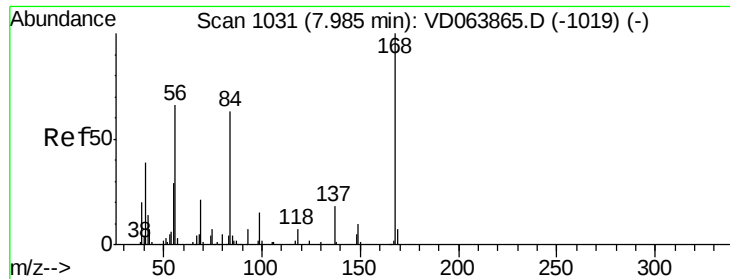
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.99 min Scan# 1032

Delta R.T. 0.01 min

Lab File: VD064030.D

Acq: 23 Oct 2019 19:37

Instrument :

MSVOA_D

ClientSampleId :

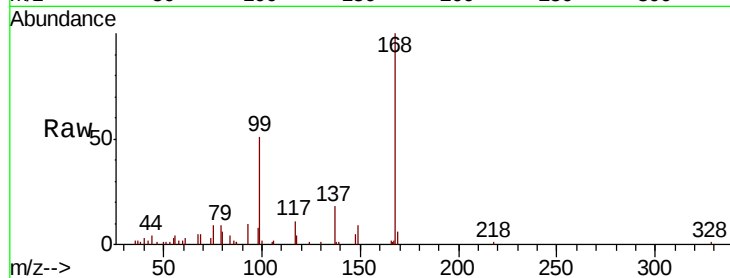
189-04-(1.2)

Tot Ion:168 Resp: 35432

Ion Ratio Lower Upper

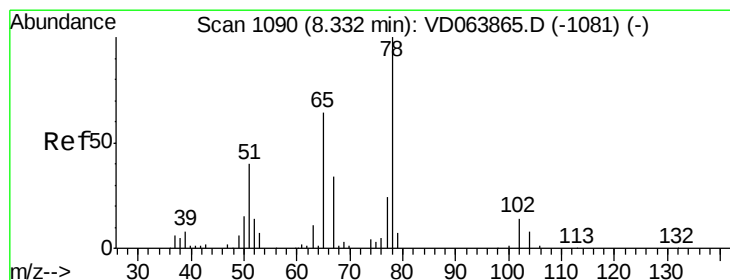
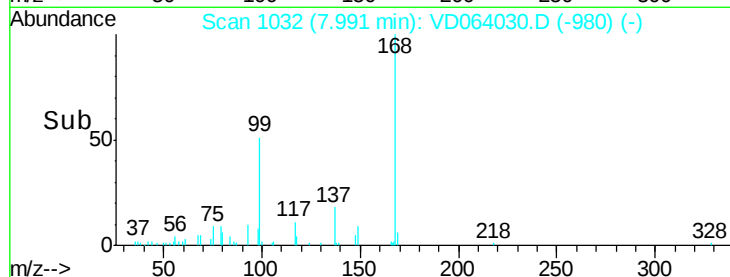
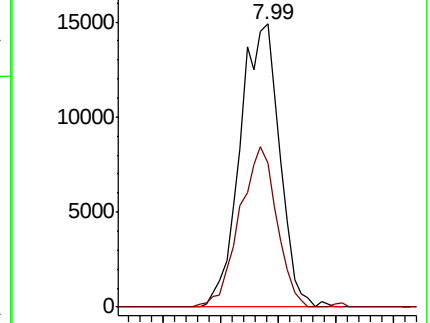
168 100

99 51.0 43.0 64.4



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VDC



#33

1,2-Dichloroethane-d4

Concen: 93.664 ug/l

RT: 8.34 min Scan# 1091

Delta R.T. 0.01 min

Lab File: VD064030.D

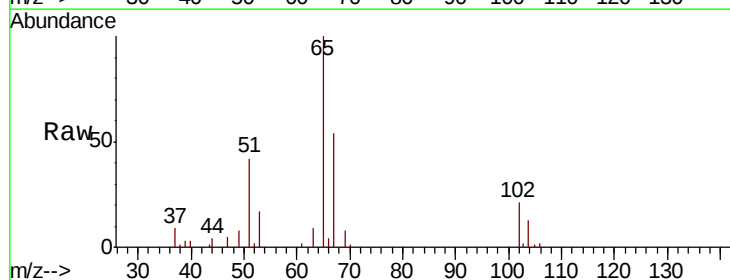
Acq: 23 Oct 2019 19:37

Tgt Ion: 65 Resp: 32310

Ion Ratio Lower Upper

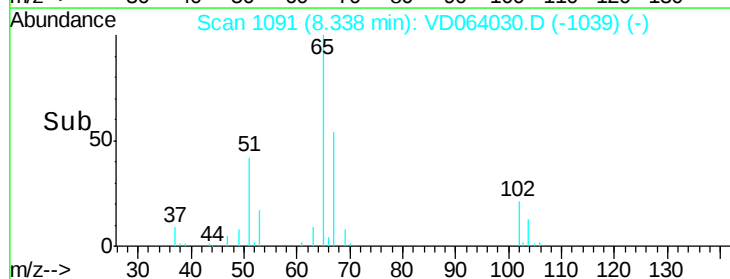
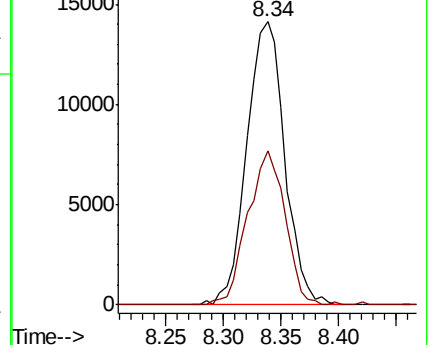
65 100

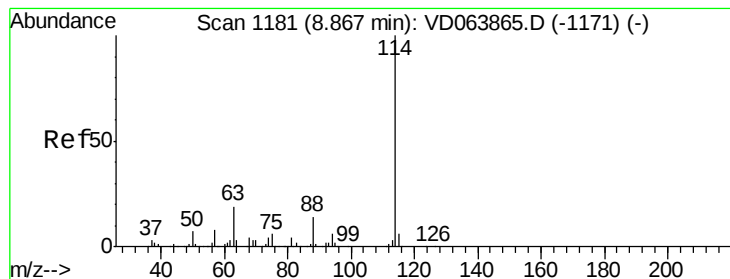
67 53.6 0.0 106.4



Abundance Ion 64.90 (64.60 to 65.60): VDC

Ion 66.90 (66.60 to 67.60): VDC





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.87 min Scan# 1181

Delta R.T. -0.00 min

Lab File: VD064030.D

Acq: 23 Oct 2019 19:37

Instrument :

MSVOA_D

ClientSampleId :

189-04-(1.2)

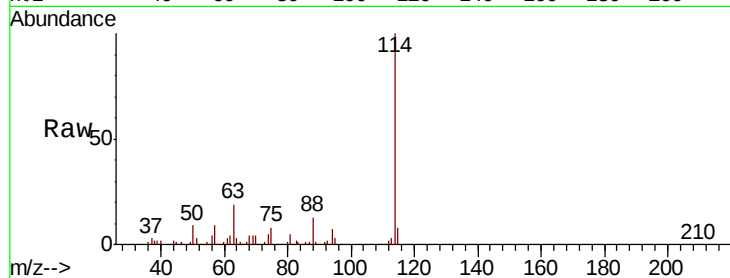
Tot Ion:114 Resp: 69581

Ion Ratio Lower Upper

114 100

63 18.8 0.0 38.4

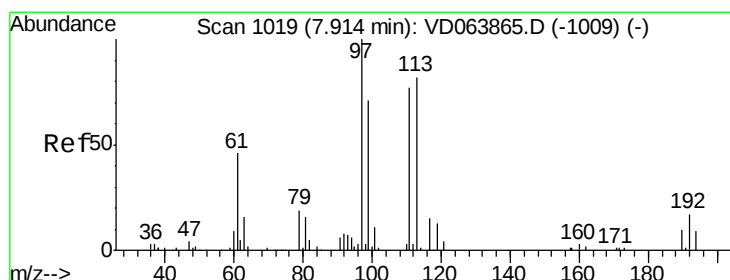
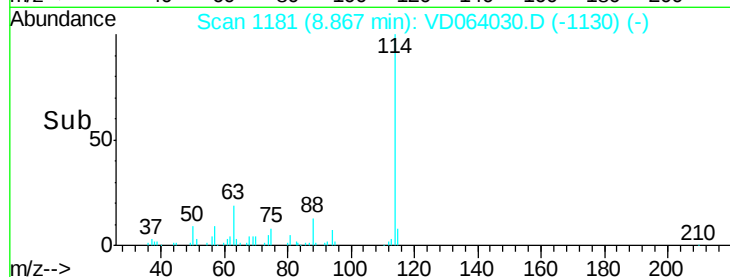
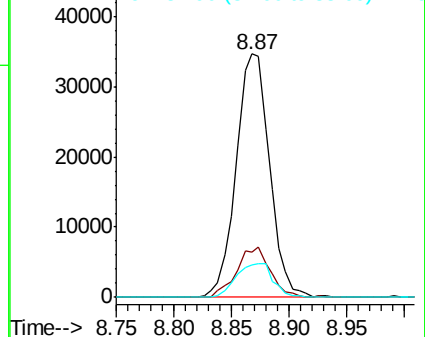
88 13.3 0.0 27.4



Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VDC

Ion 87.90 (87.60 to 88.60): VDC



#35

Dibromofluoromethane

Concen: 62.352 ug/l

RT: 7.93 min Scan# 1021

Delta R.T. 0.01 min

Lab File: VD064030.D

Acq: 23 Oct 2019 19:37

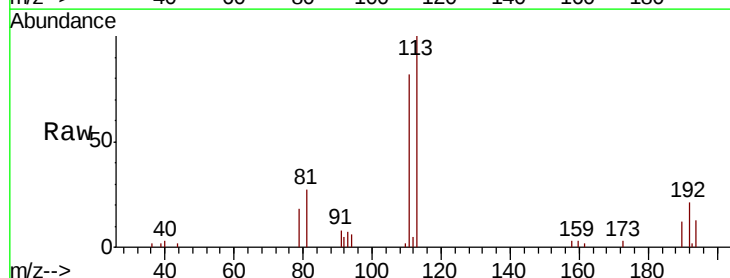
Tgt Ion:113 Resp: 26514

Ion Ratio Lower Upper

113 100

111 101.7 82.6 123.8

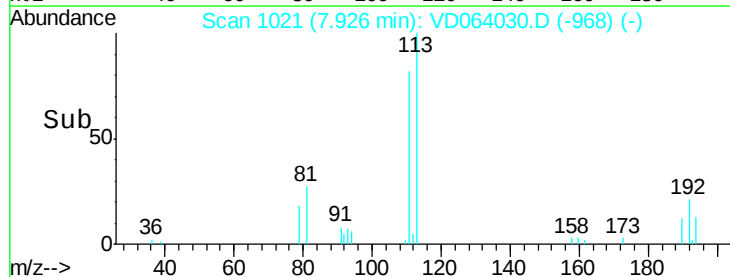
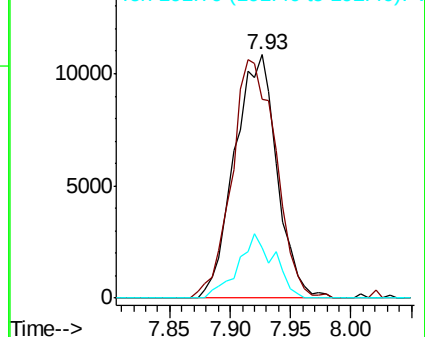
192 22.5 17.1 25.7

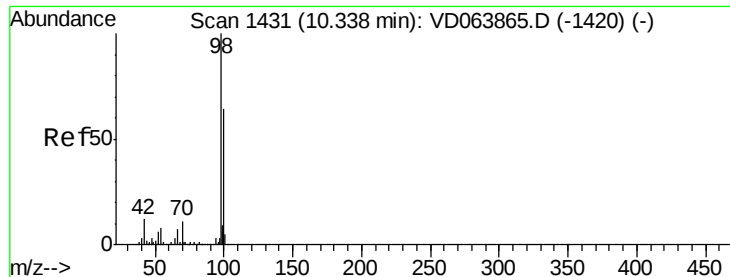


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V





#50

Toluene-d8

Concen: 54.241 ug/l

RT: 10.34 min Scan# 1432

Delta R.T. 0.01 min

Lab File: VD064030.D

Acq: 23 Oct 2019 19:37

Instrument :

MSVOA_D

ClientSampleId :

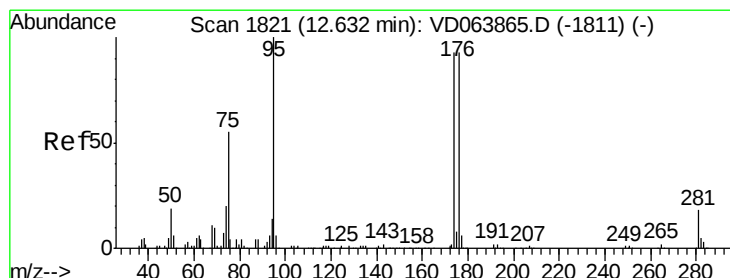
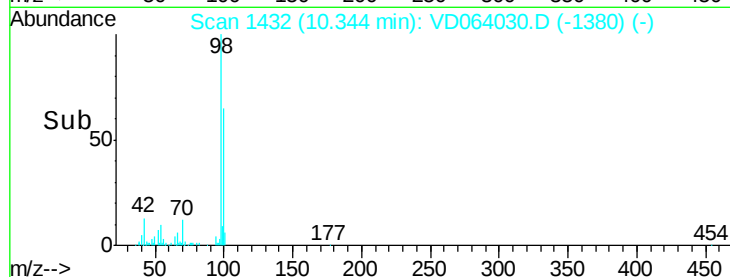
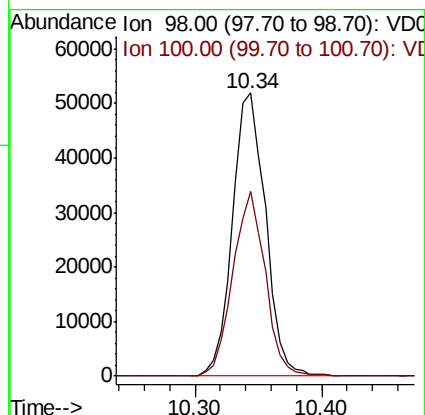
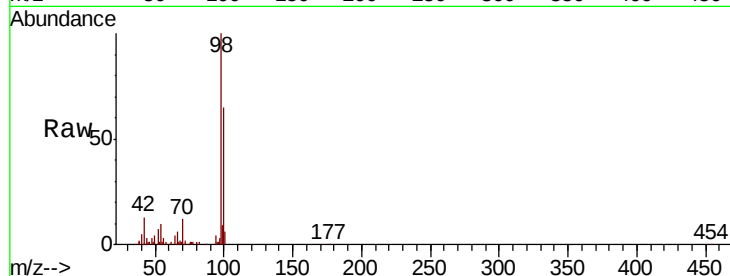
189-04-(1.2)

Tot Ion: 98 Resp: 93617

Ion Ratio Lower Upper

98 100

100 63.8 52.1 78.1



#62

4-Bromofluorobenzene

Concen: 46.215 ug/l

RT: 12.64 min Scan# 1822

Delta R.T. 0.01 min

Lab File: VD064030.D

Acq: 23 Oct 2019 19:37

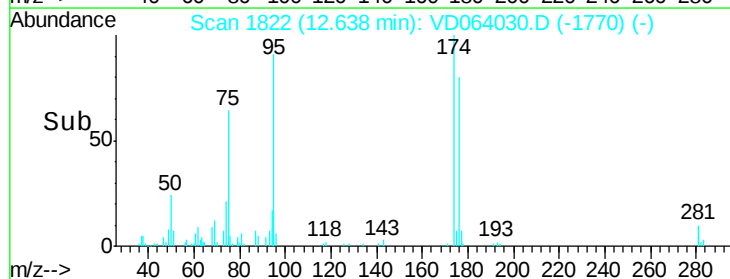
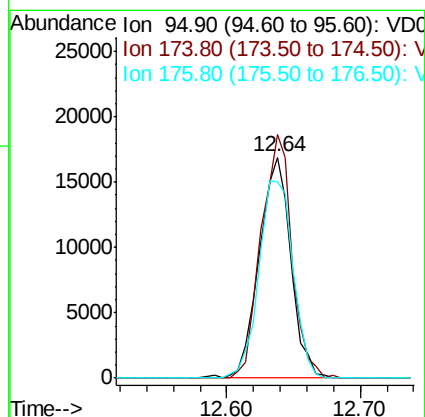
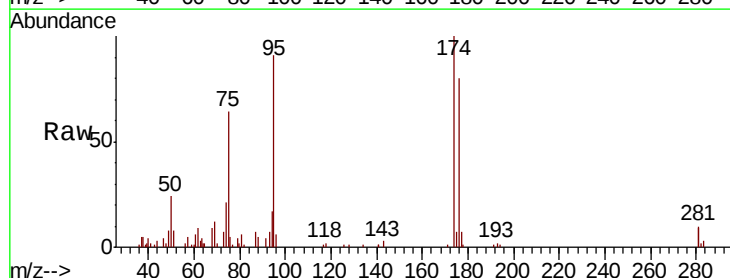
Tgt Ion: 95 Resp: 27718

Ion Ratio Lower Upper

95 100

174 106.7 0.0 186.4

176 96.3 0.0 184.2





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.65 min Scan# 1654

Delta R.T. 0.01 min

Lab File: VD064030.D

Acq: 23 Oct 2019 19:37

Instrument :

MSVOA_D

ClientSampleId :

189-04-(1.2)

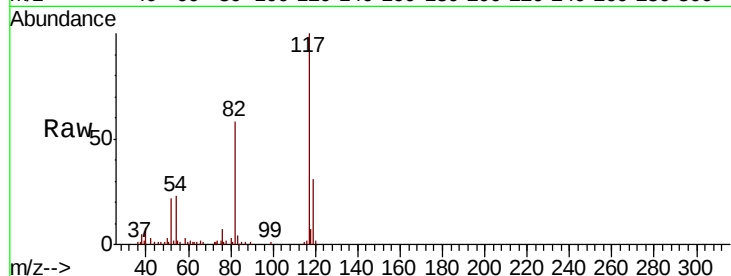
Tot Ion:117 Resp: 75653

Ion Ratio Lower Upper

117 100

82 57.6 42.8 64.2

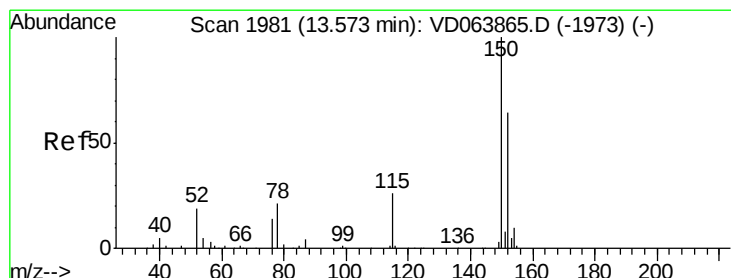
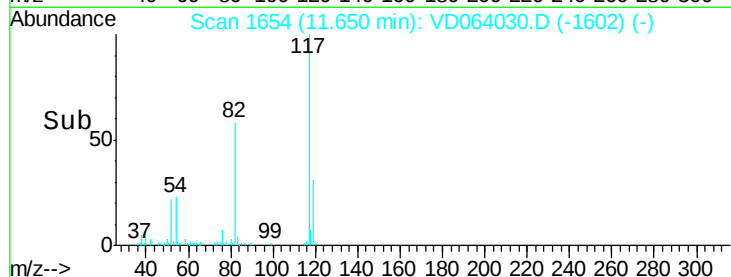
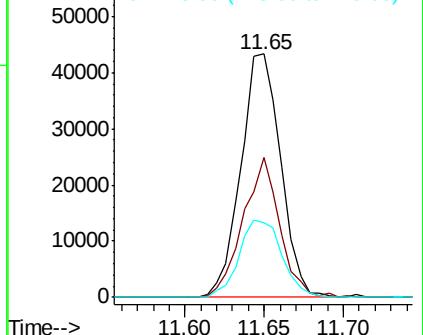
119 30.6 24.4 36.6



Abundance Ion 116.90 (116.60 to 117.60): V

Ion 82.00 (81.70 to 82.70): V

Ion 118.90 (118.60 to 119.60): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.58 min Scan# 1982

Delta R.T. 0.01 min

Lab File: VD064030.D

Acq: 23 Oct 2019 19:37

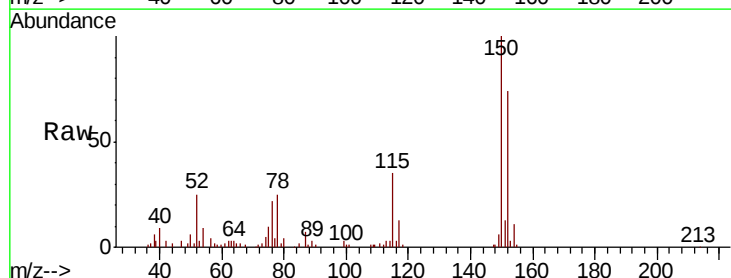
Tgt Ion:152 Resp: 35908

Ion Ratio Lower Upper

152 100

115 53.9 25.9 77.7

150 145.6 0.0 344.2



Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V

