

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD090220\
 Data File : VD066526.D
 Acq On : 02 Sep 2020 16:48
 Operator : VA/SY
 Sample : L3876-12
 Misc : 6.90G/5.00ml/MSVOA D/SOIL
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VNJ-215

Quant Time: Sep 03 03:58:45 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D090220S.M
 Quant Title : SW846 8260
 QLast Update : Wed Sep 02 15:08:44 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.98	168	172283	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.86	114	249570	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.64	117	223005	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	114171	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.33	65	96476	52.07	ug/l	0.00
Spiked Amount	50.000		Recovery	=	104.14%	
35) Dibromofluoromethane	7.91	113	75869	50.54	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.08%	
50) Toluene-d8	10.34	98	285842	50.71	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.42%	
62) 4-Bromofluorobenzene	12.63	95	95984	47.77	ug/l	0.00
Spiked Amount	50.000		Recovery	=	95.54%	

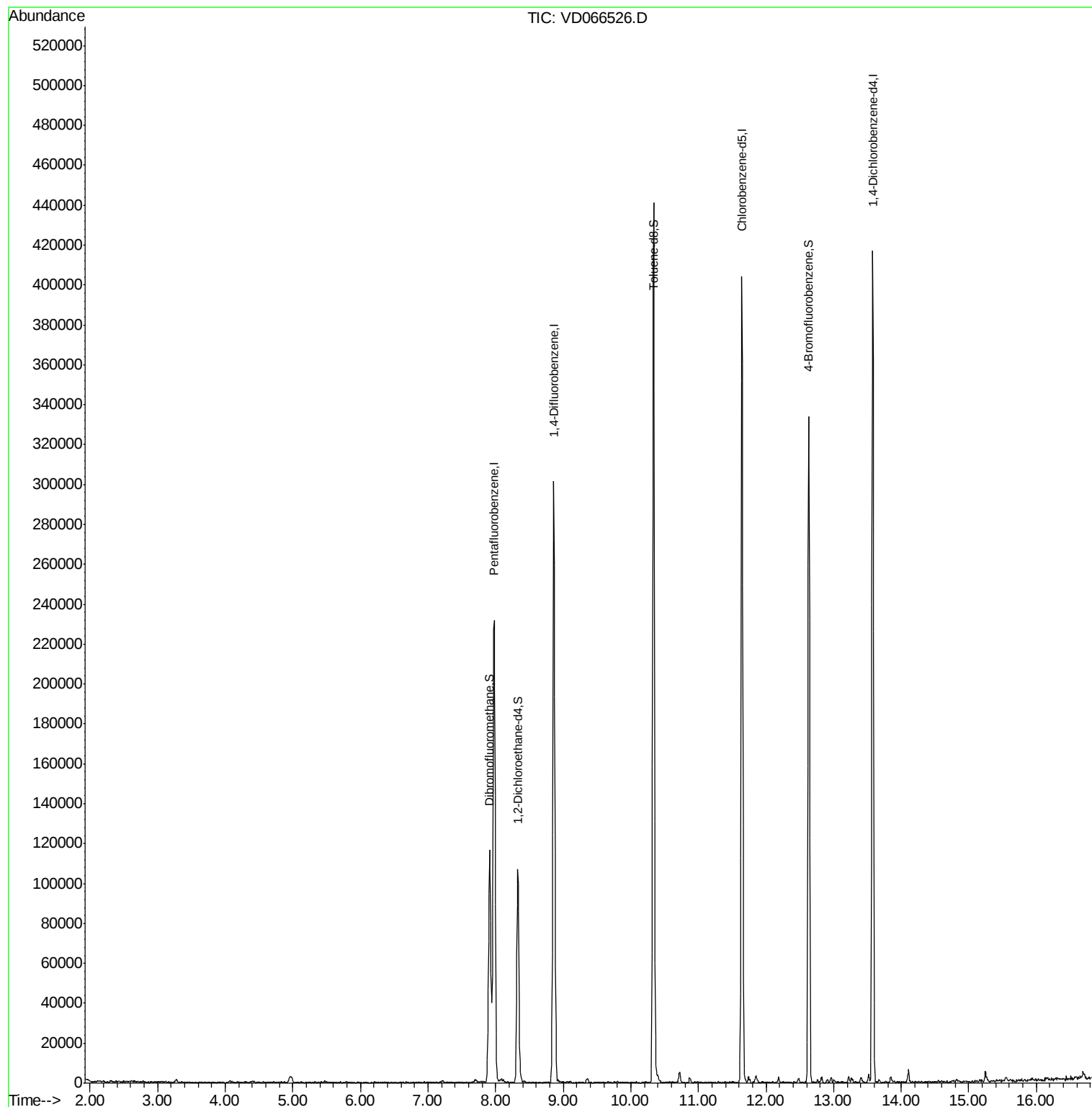
Target Compounds	Qvalue

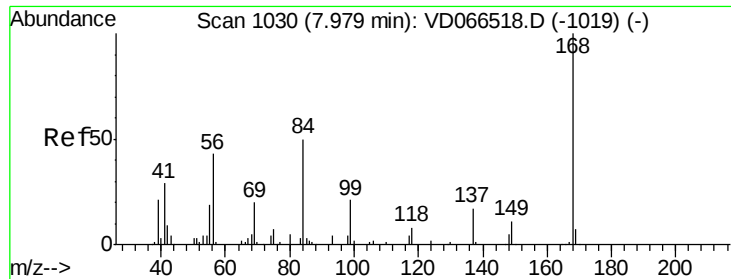
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.98 min Scan# 1030

Delta R.T. 0.00 min

Lab File: VD066526.D

Acq: 02 Sep 2020 16:48

Instrument :

MSVOA_D

ClientSampleId :

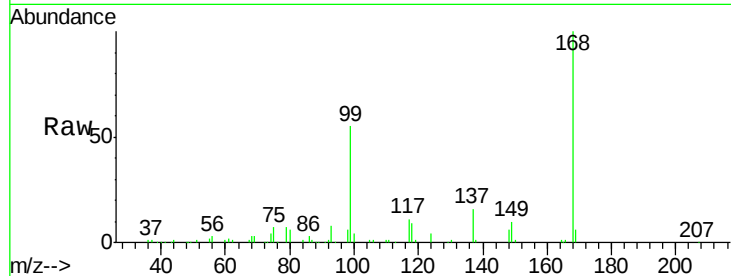
VNJ-215

Tot Ion:168 Resp: 172283

Ion Ratio Lower Upper

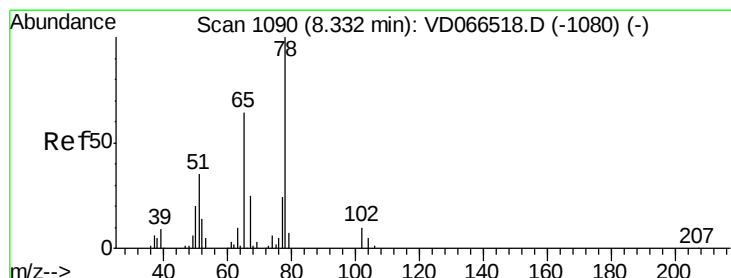
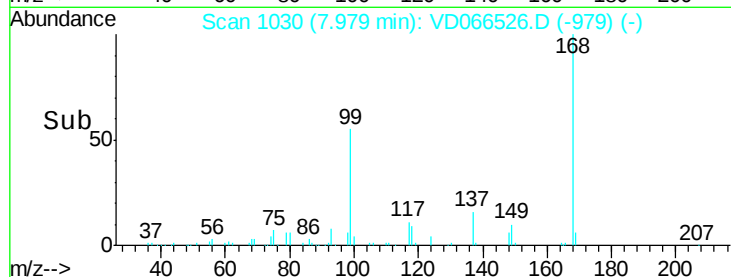
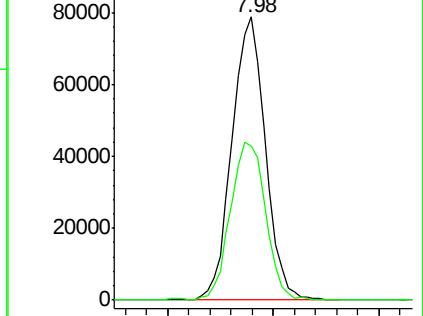
168 100

99 54.5 45.1 67.7



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: 52.070 ug/l

RT: 8.33 min Scan# 1089

Delta R.T. -0.01 min

Lab File: VD066526.D

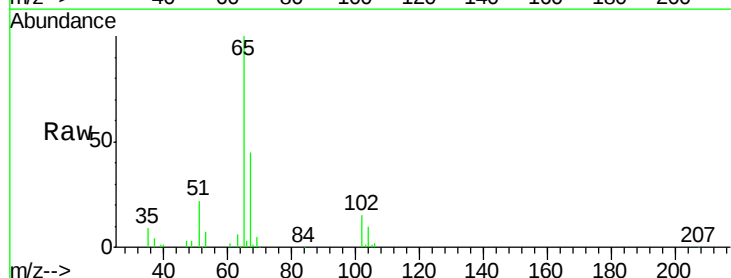
Acq: 02 Sep 2020 16:48

Tgt Ion: 65 Resp: 96476

Ion Ratio Lower Upper

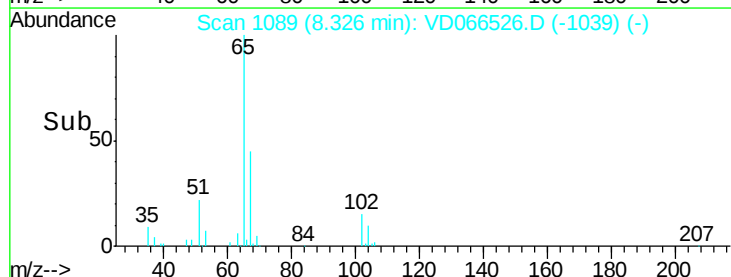
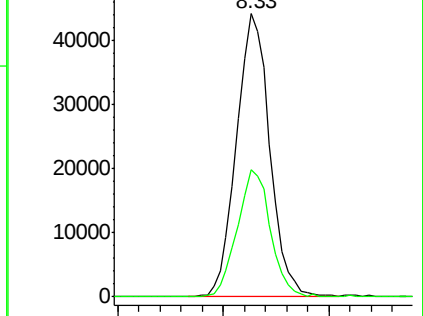
65 100

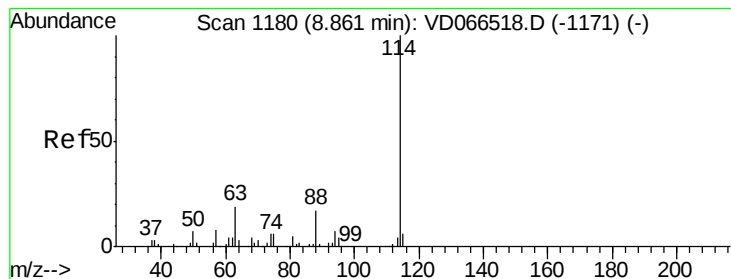
67 44.7 0.0 88.2



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: 8.86 min Scan# 1180

Delta R.T. 0.00 min

Lab File: VD066526.D

Acq: 02 Sep 2020 16:48

Instrument :

MSVOA_D

ClientSampleId :

VNJ-215

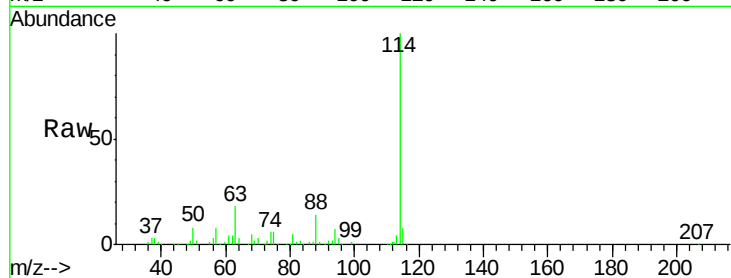
Tot Ion:114 Resp: 249570

Ion Ratio Lower Upper

114 100

63 17.6 0.0 38.6

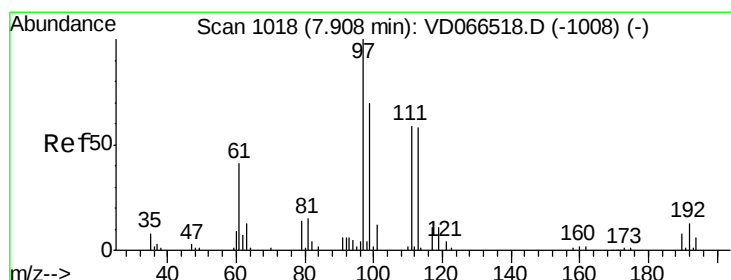
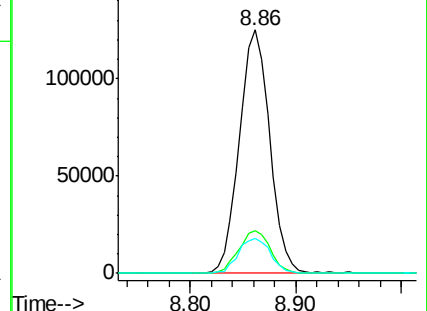
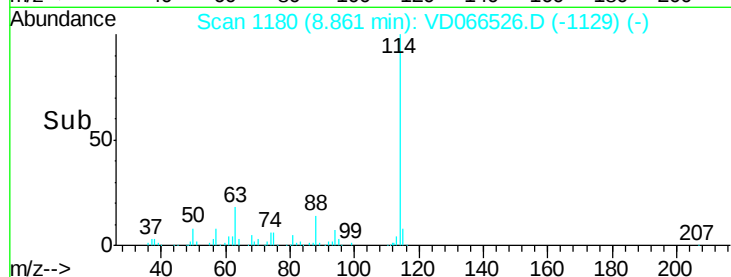
88 14.2 0.0 33.6



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: 50.544 ug/l

RT: 7.91 min Scan# 1019

Delta R.T. 0.01 min

Lab File: VD066526.D

Acq: 02 Sep 2020 16:48

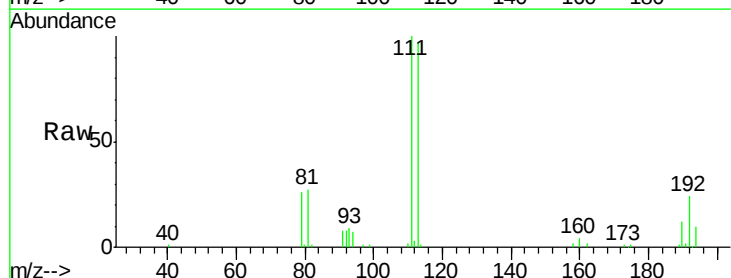
Tgt Ion:113 Resp: 75869

Ion Ratio Lower Upper

113 100

111 102.7 82.5 123.7

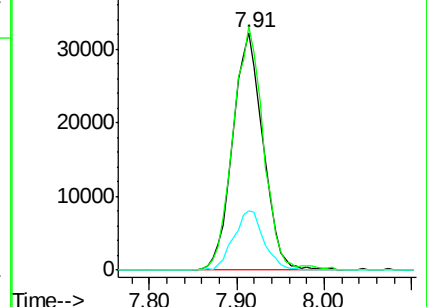
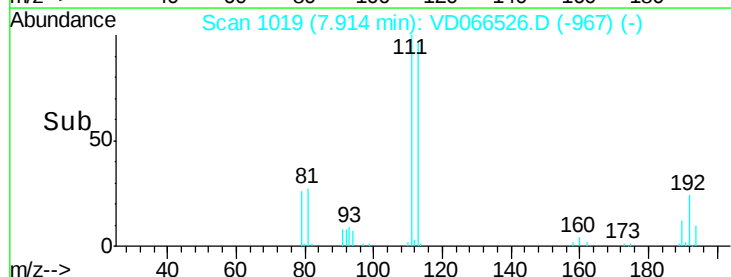
192 24.7 20.7 31.1

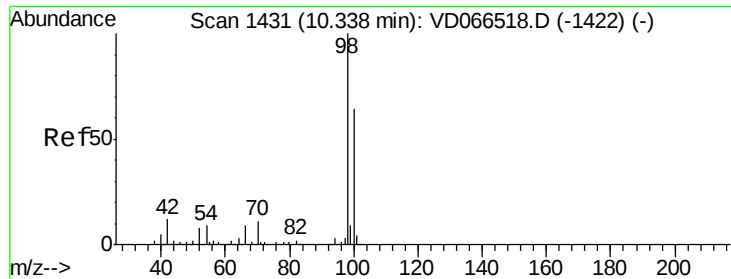


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V





#50

Toluene-d8

Concen: 50.714 ug/l

RT: 10.34 min Scan# 1431

Delta R.T. 0.00 min

Lab File: VD066526.D

Acq: 02 Sep 2020 16:48

Instrument :

MSVOA_D

ClientSampleId :

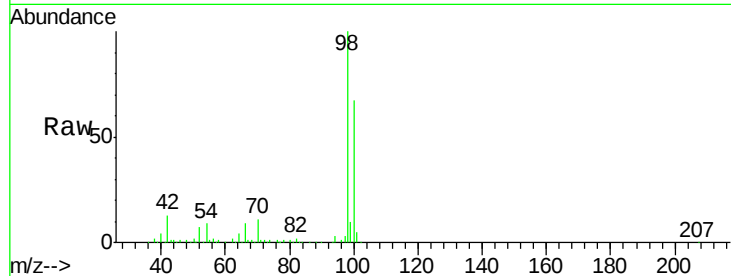
VNJ-215

Tot Ion: 98 Resp: 285842

Ion Ratio Lower Upper

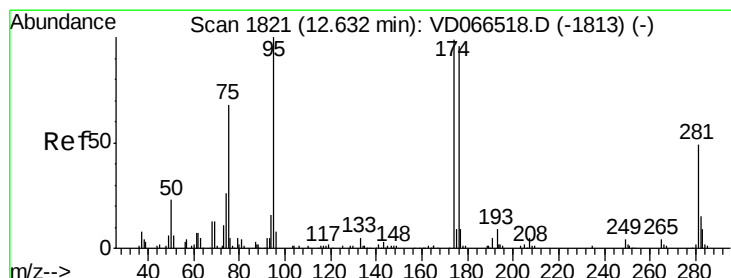
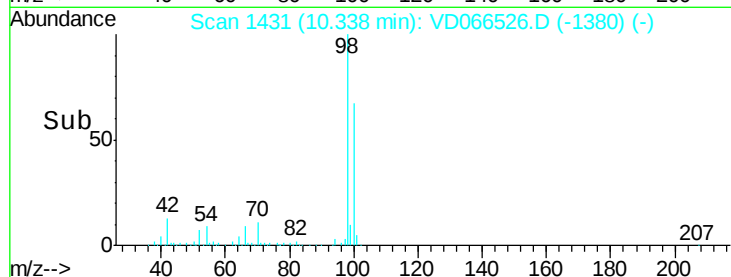
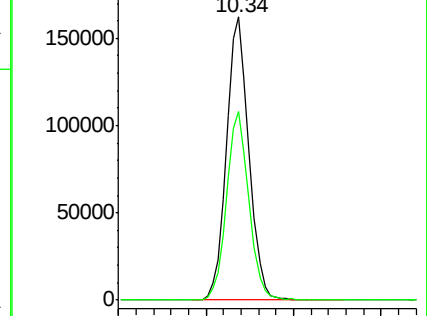
98 100

100 66.2 52.8 79.2



Abundance Ion 98.00 (97.70 to 98.70): VDC

Ion 100.00 (99.70 to 100.70): VDC



#62

4-Bromofluorobenzene

Concen: 47.773 ug/l

RT: 12.63 min Scan# 1821

Delta R.T. 0.00 min

Lab File: VD066526.D

Acq: 02 Sep 2020 16:48

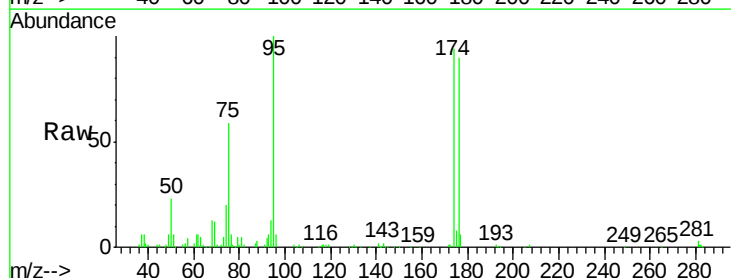
Tgt Ion: 95 Resp: 95984

Ion Ratio Lower Upper

95 100

174 99.0 0.0 203.2

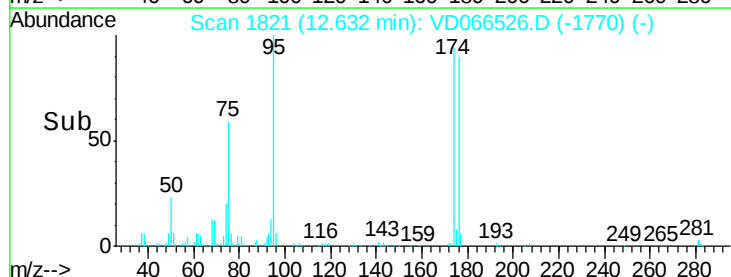
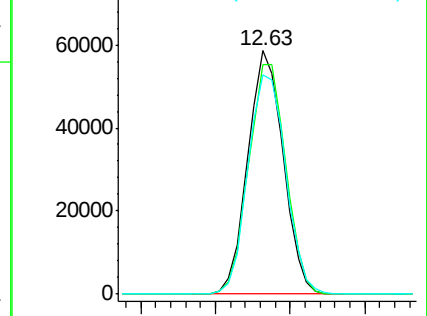
176 96.2 0.0 198.6

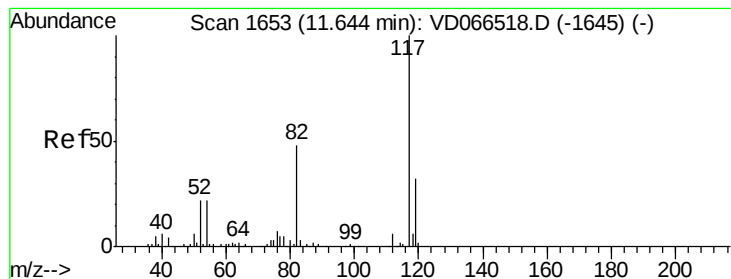


Abundance Ion 94.90 (94.60 to 95.60): VDC

Ion 173.80 (173.50 to 174.50): VDC

Ion 175.80 (175.50 to 176.50): VDC





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.64 min Scan# 1653

Delta R.T. 0.00 min

Lab File: VD066526.D

Acq: 02 Sep 2020 16:48

Instrument :

MSVOA_D

ClientSampleId :

VNJ-215

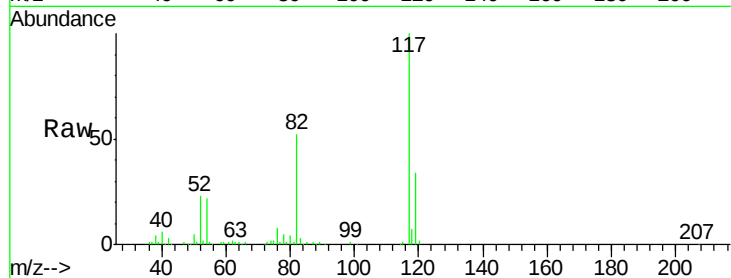
Tot Ion:117 Resp: 223005

Ion Ratio Lower Upper

117 100

82 51.8 38.5 57.7

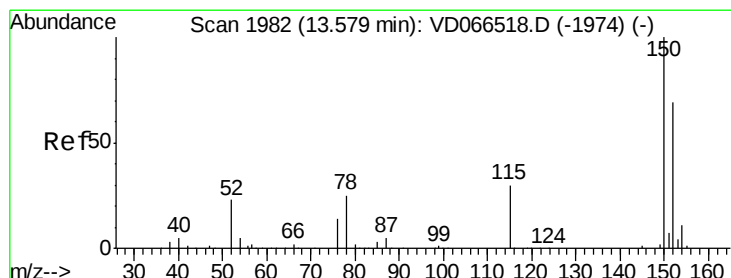
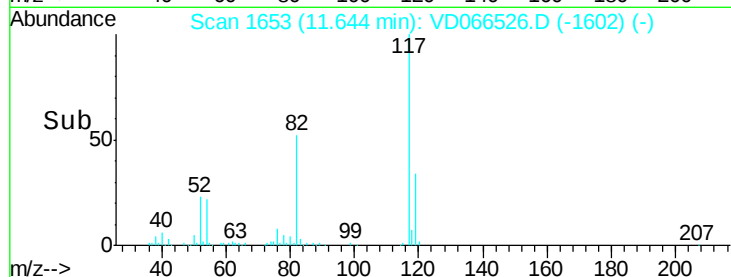
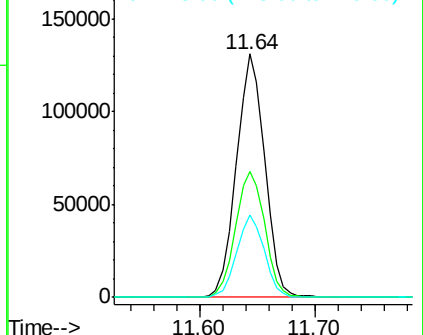
119 33.8 25.9 38.9



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. 0.00 min

Lab File: VD066526.D

Acq: 02 Sep 2020 16:48

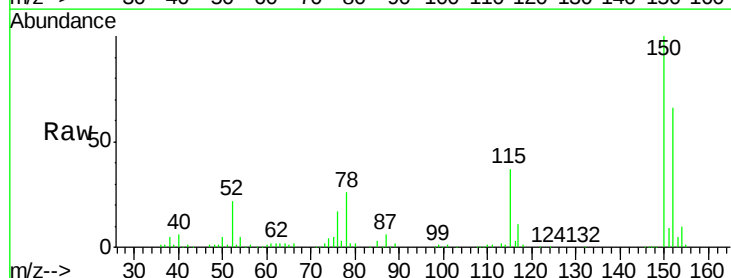
Tgt Ion:152 Resp: 114171

Ion Ratio Lower Upper

152 100

115 57.3 28.9 86.8

150 151.7 0.0 339.6



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

