

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD111919\
 Data File : VD064291.D
 Acq On : 19 Nov 2019 15:53
 Operator : VA/SY
 Sample : K5923-02
 Misc : 5.01G/5.00ml/MSVOA D/SOIL
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 SP-1A

Quant Time: Nov 20 05:35:05 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D110819S.M
 Quant Title : SW846 8260
 QLast Update : Tue Nov 12 02:43:24 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.99	168	84833	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	127344	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.65	117	116375	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	59186	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.34	65	45673	65.46	ug/l	0.00
Spiked Amount	50.000		Recovery	=	130.92%	
35) Dibromofluoromethane	7.92	113	37803	51.72	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.44%	
50) Toluene-d8	10.34	98	147641	53.54	ug/l	0.00
Spiked Amount	50.000		Recovery	=	107.08%	
62) 4-Bromofluorobenzene	12.64	95	50177	52.54	ug/l	0.00
Spiked Amount	50.000		Recovery	=	105.08%	

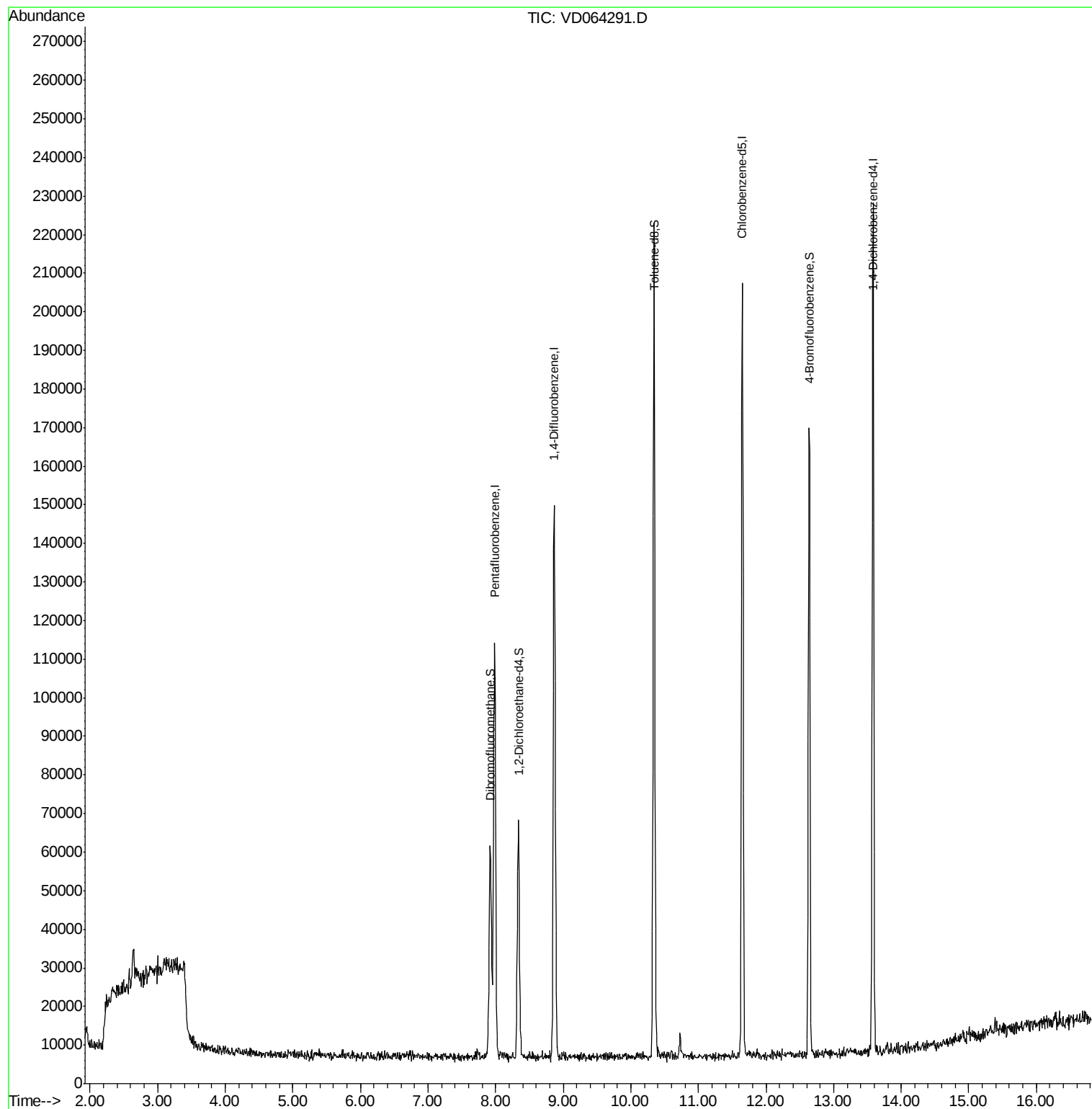
Target Compounds	Qvalue

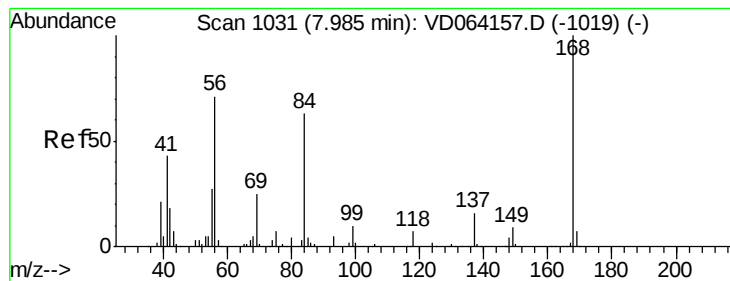
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.99 min Scan# 1031

Delta R.T. 0.00 min

Lab File: VD064291.D

Acq: 19 Nov 2019 15:53

Instrument :

MSVOA_D

ClientSampleId :

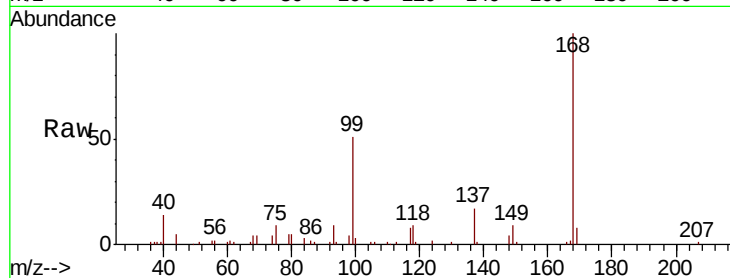
SP-1A

Tot Ion:168 Resp: 84833

Ion Ratio Lower Upper

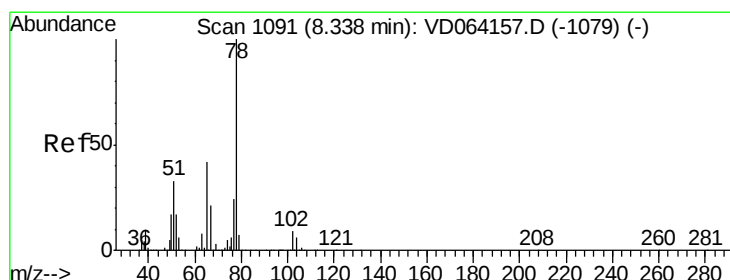
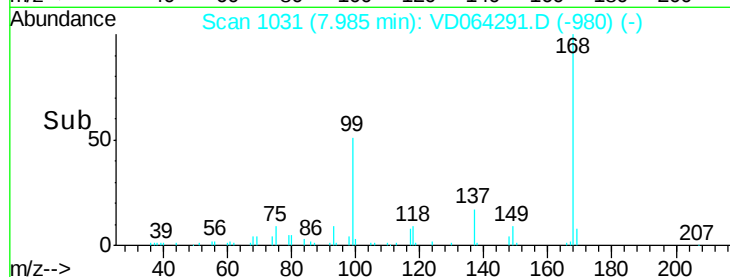
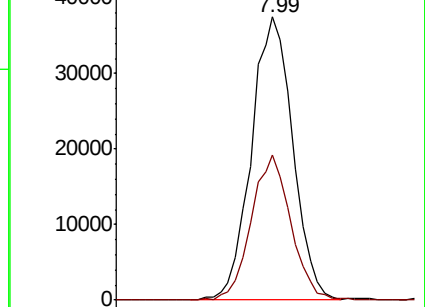
168 100

99 51.2 41.6 62.4



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: 65.462 ug/l

RT: 8.34 min Scan# 1091

Delta R.T. 0.00 min

Lab File: VD064291.D

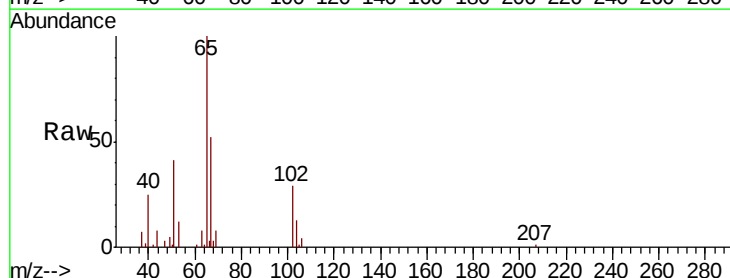
Acq: 19 Nov 2019 15:53

Tgt Ion: 65 Resp: 45673

Ion Ratio Lower Upper

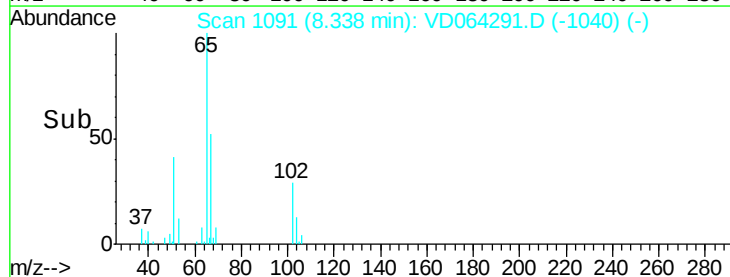
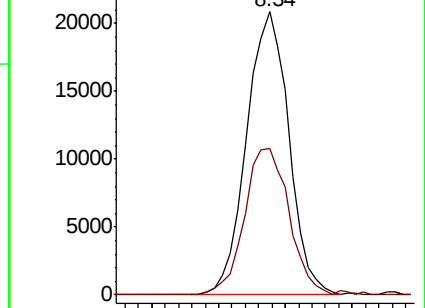
65 100

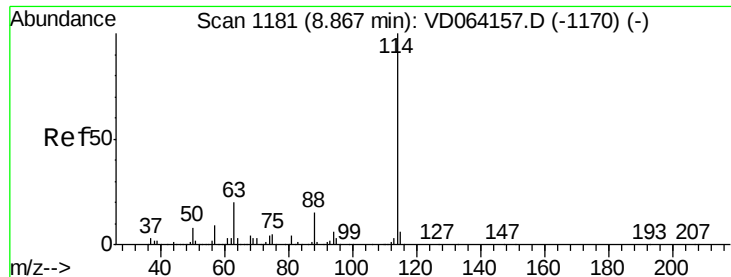
67 54.5 0.0 104.4



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: VD064291.D

Acq: 19 Nov 2019 15:53

Instrument :

MSVOA_D

ClientSampleId :

SP-1A

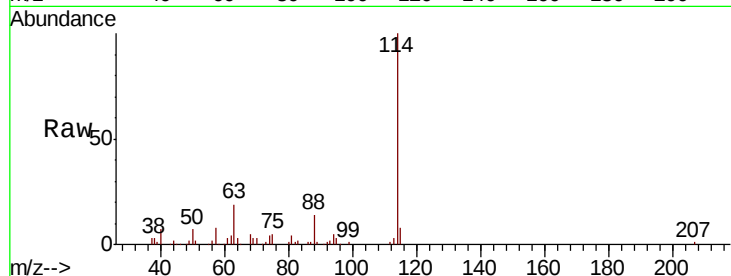
Tot Ion:114 Resp: 127344

Ion Ratio Lower Upper

114 100

63 18.9 0.0 40.0

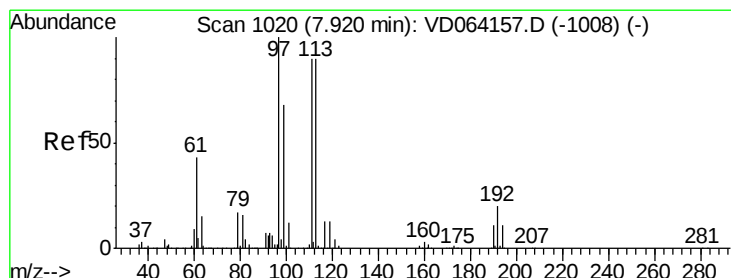
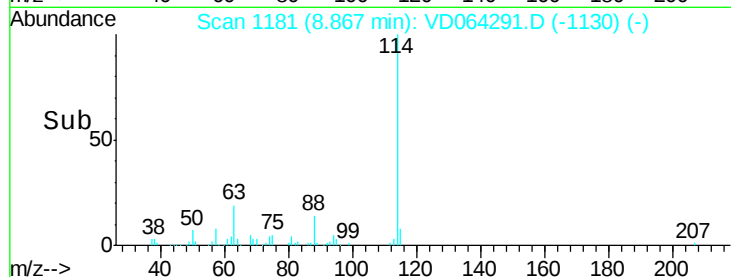
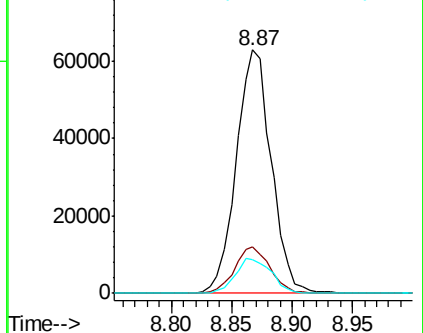
88 14.1 0.0 30.2



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: 51.716 ug/l

RT: 7.92 min Scan# 1020

Delta R.T. 0.00 min

Lab File: VD064291.D

Acq: 19 Nov 2019 15:53

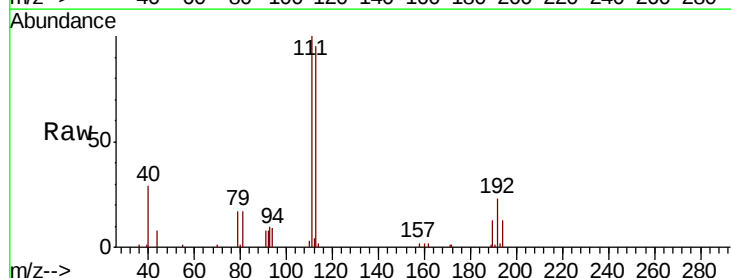
Tgt Ion:113 Resp: 37803

Ion Ratio Lower Upper

113 100

111 105.1 81.5 122.3

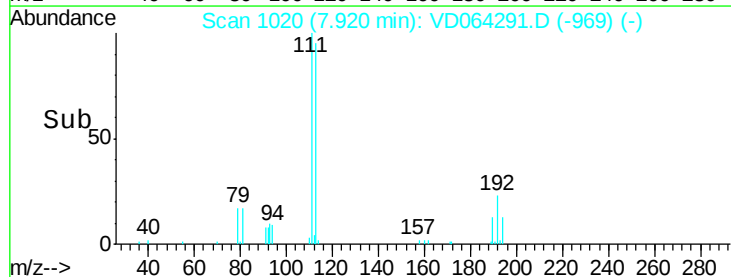
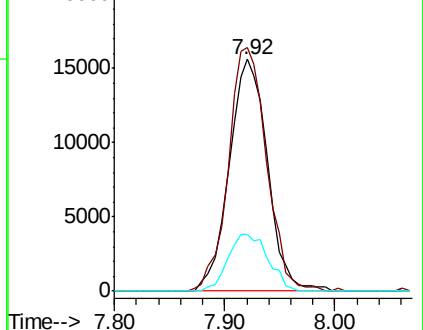
192 25.9 18.8 28.2

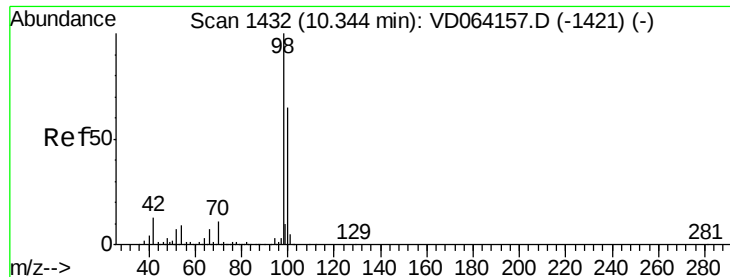


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V





#50

Toluene-d8

Concen: 53.541 ug/l

RT: 10.34 min Scan# 1432

Delta R.T. 0.00 min

Lab File: VD064291.D

Acq: 19 Nov 2019 15:53

Instrument :

MSVOA_D

ClientSampleId :

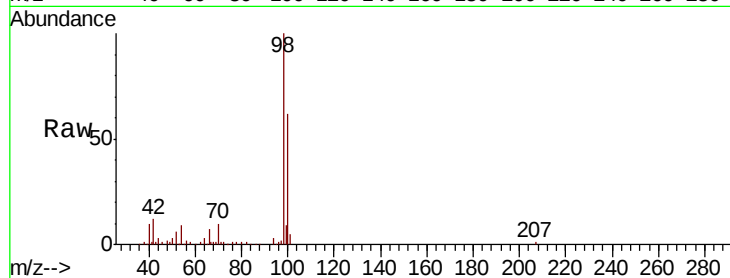
SP-1A

Tot Ion: 98 Resp: 147641

Ion Ratio Lower Upper

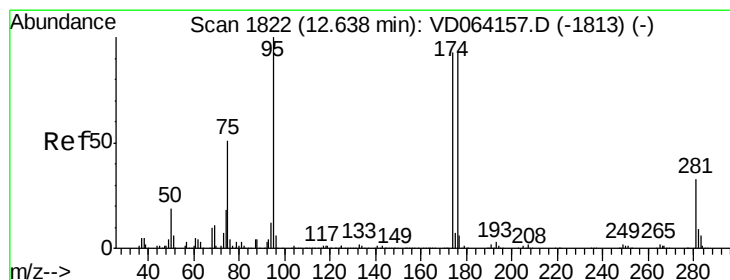
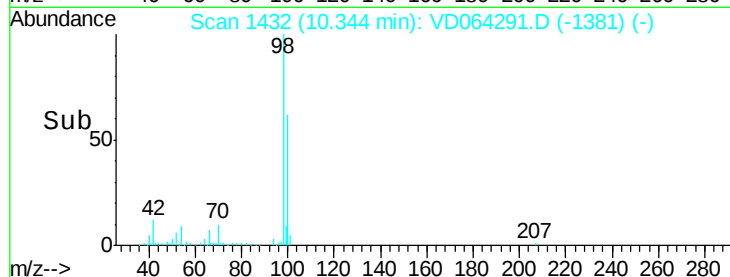
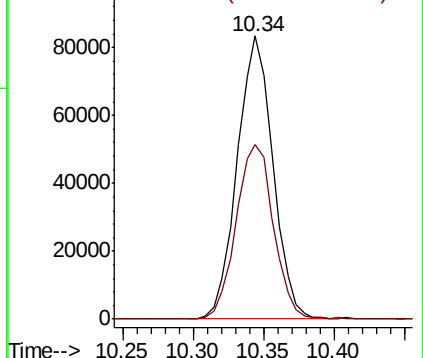
98 100

100 64.3 52.6 78.8



Abundance Ion 98.00 (97.70 to 98.70): VDC

Ion 100.00 (99.70 to 100.70): VDC



#62

4-Bromofluorobenzene

Concen: 52.544 ug/l

RT: 12.64 min Scan# 1822

Delta R.T. 0.00 min

Lab File: VD064291.D

Acq: 19 Nov 2019 15:53

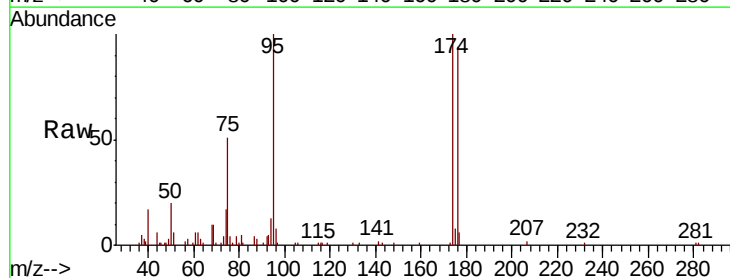
Tgt Ion: 95 Resp: 50177

Ion Ratio Lower Upper

95 100

174 101.3 0.0 183.6

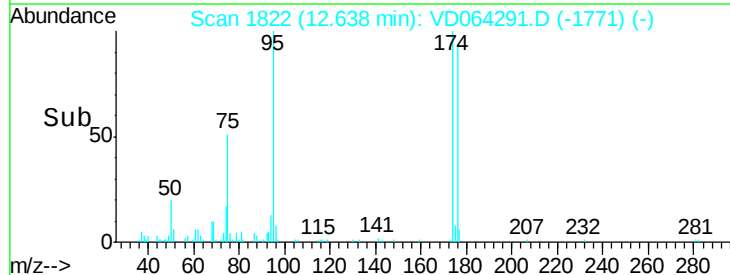
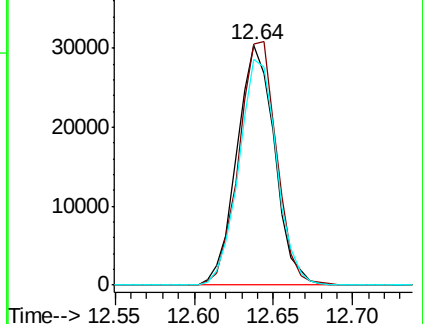
176 94.7 0.0 180.2

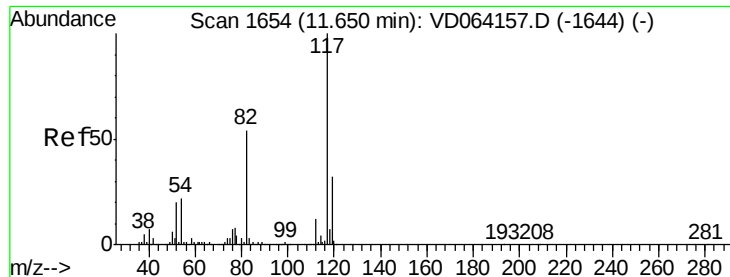


Abundance Ion 94.90 (94.60 to 95.60): VDC

Ion 173.80 (173.50 to 174.50): VDC

Ion 175.80 (175.50 to 176.50): VDC

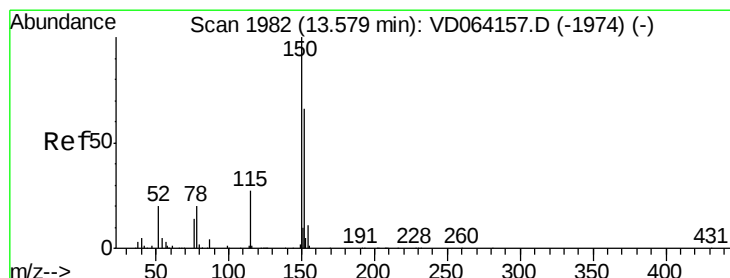
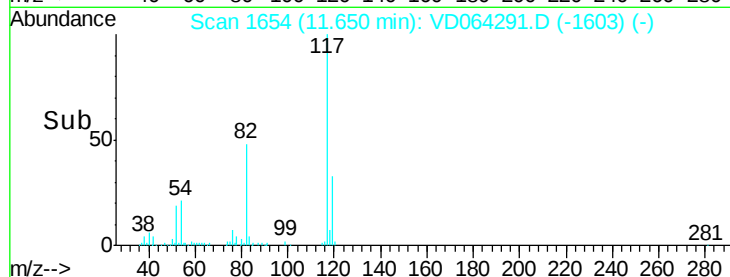
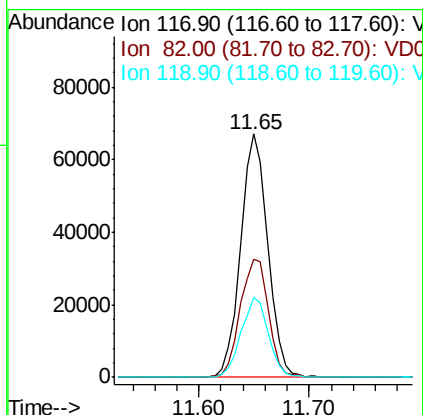
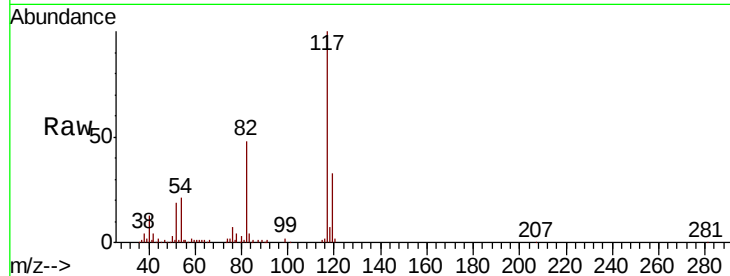




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.65 min Scan# 1654
Delta R.T. 0.00 min
Lab File: VD064291.D
Acq: 19 Nov 2019 15:53

Instrument :
MSVOA_D
ClientSampleId :
SP-1A

Tot Ion:117 Resp: 116375
Ion Ratio Lower Upper
117 100
82 48.4 42.8 64.2
119 32.7 25.6 38.4



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.58 min Scan# 1983
Delta R.T. 0.01 min
Lab File: VD064291.D
Acq: 19 Nov 2019 15:53

Tgt Ion:152 Resp: 59186
Ion Ratio Lower Upper
152 100
115 55.1 27.4 82.2
150 160.1 0.0 351.6

