

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD102419\
 Data File : VD064050.D
 Acq On : 24 Oct 2019 17:17
 Operator : VA/SY
 Sample : K5498-20RE
 Misc : 3.86G/5.00ml/MSVOA D/SOIL
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 193-68-(1)RE

Quant Time: Oct 25 05:22:42 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	7.98	168	135301	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	251495	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.65	117	267773	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	125902	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.34	65	81044	61.52	ug/l	0.00
Spiked Amount	50.000		Recovery	=	123.04%	
35) Dibromofluoromethane	7.92	113	79037	51.42	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.84%	
50) Toluene-d8	10.34	98	357178	57.26	ug/l	0.00
Spiked Amount	50.000		Recovery	=	114.52%	
62) 4-Bromofluorobenzene	12.64	95	99731	46.01	ug/l	0.00
Spiked Amount	50.000		Recovery	=	92.02%	

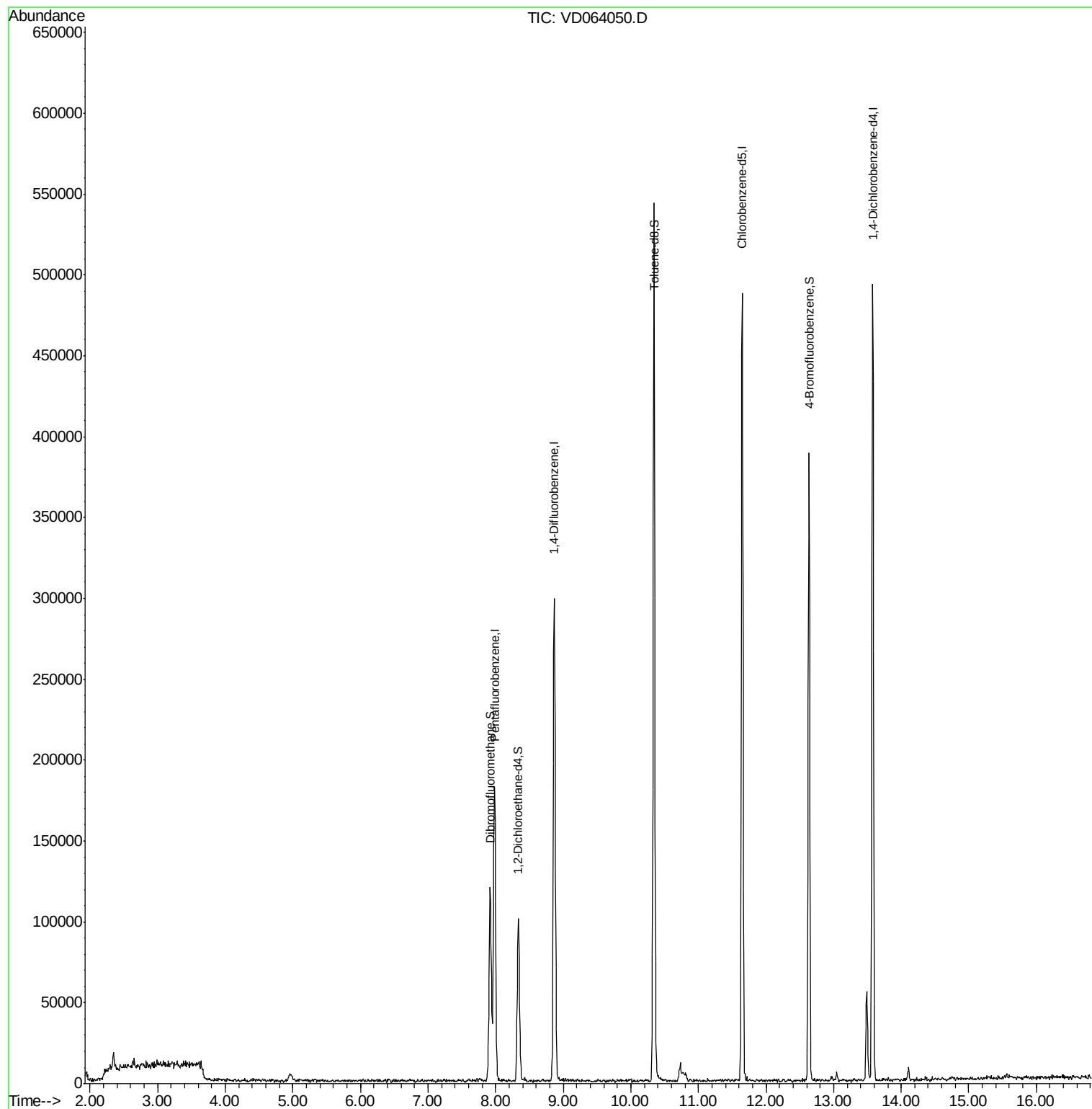
Target Compounds	Qvalue

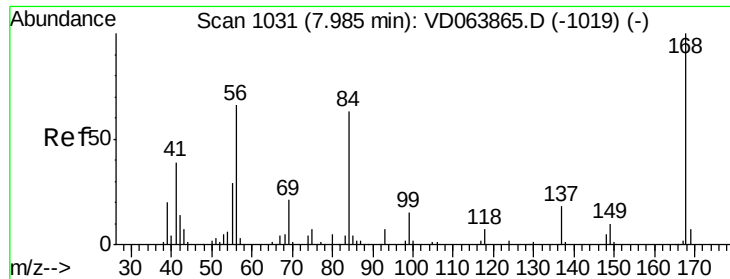
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.98 min Scan# 1031

Delta R.T. -0.00 min

Lab File: VD064050.D

Acq: 24 Oct 2019 17:17

Instrument :

MSVOA_D

ClientSampleId :

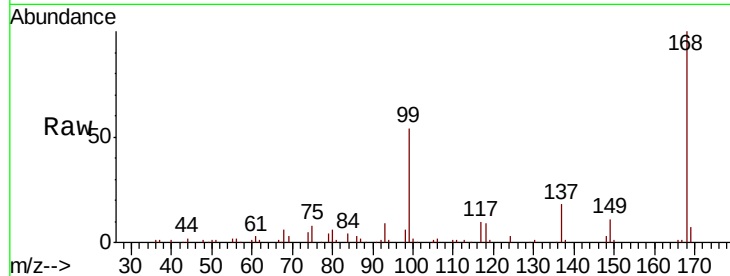
193-68-(1)RE

Tot Ion:168 Resp: 135301

Ion Ratio Lower Upper

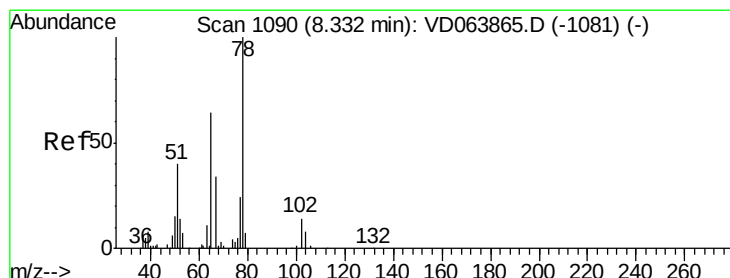
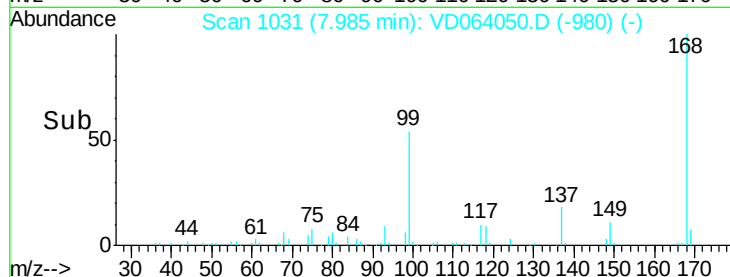
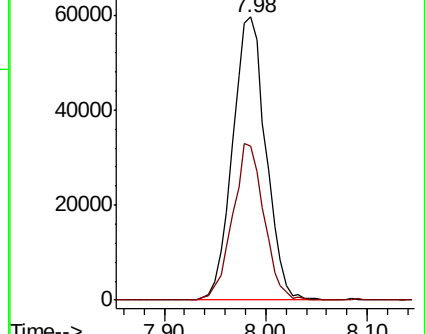
168 100

99 54.2 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: 61.525 ug/l

RT: 8.34 min Scan# 1091

Delta R.T. 0.01 min

Lab File: VD064050.D

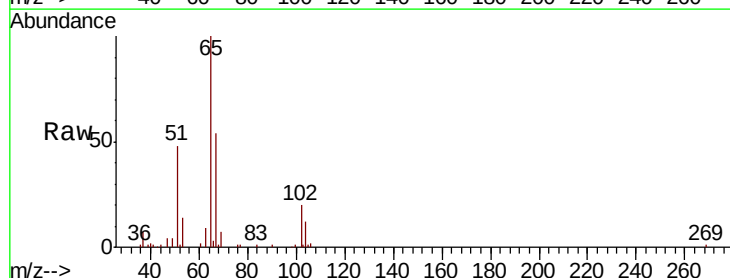
Acq: 24 Oct 2019 17:17

Tgt Ion: 65 Resp: 81044

Ion Ratio Lower Upper

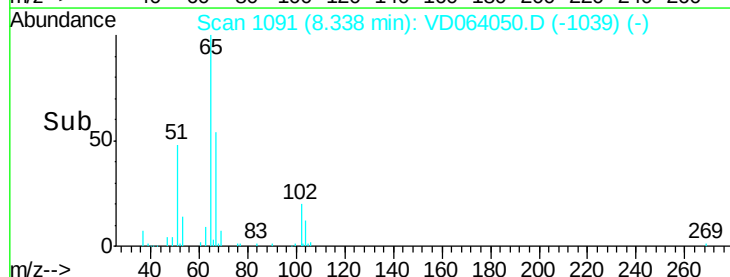
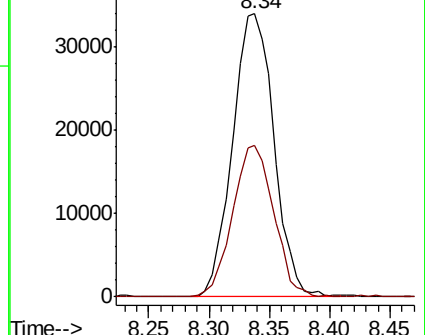
65 100

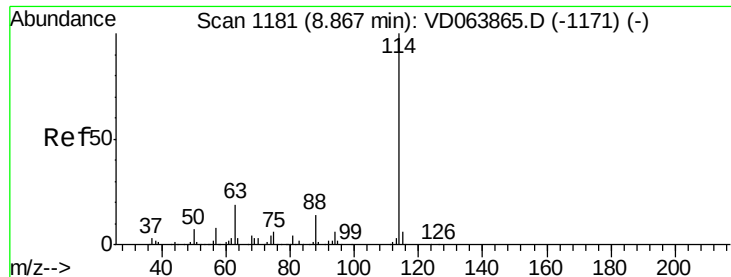
67 53.3 0.0 106.4



Abundance Ion 64.90 (64.60 to 65.60): VDC

Ion 66.90 (66.60 to 67.60): VDC

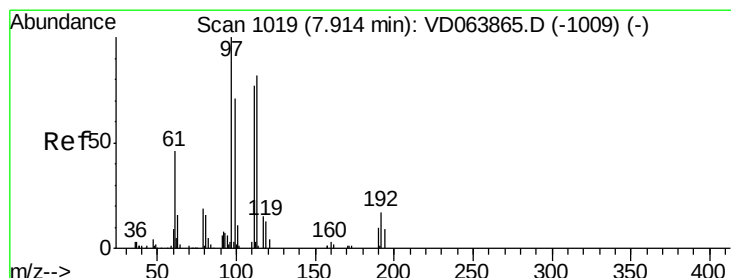
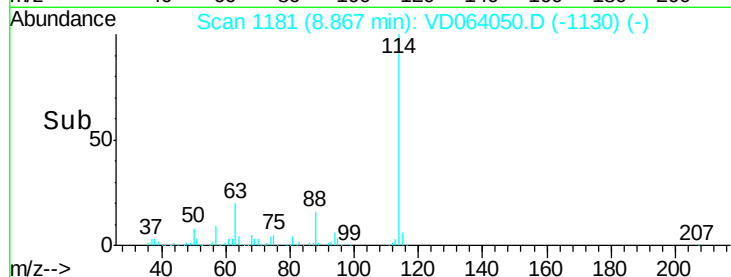
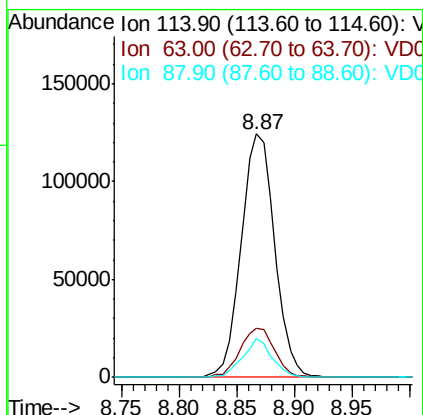
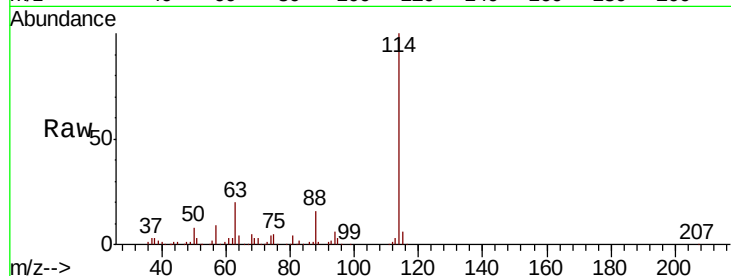




#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.87 min Scan# 1181
 Delta R.T. -0.00 min
 Lab File: VD064050.D
 Acq: 24 Oct 2019 17:17

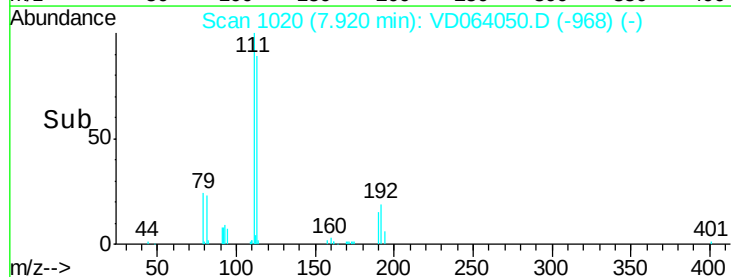
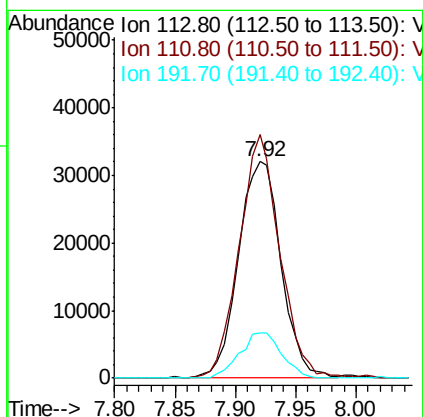
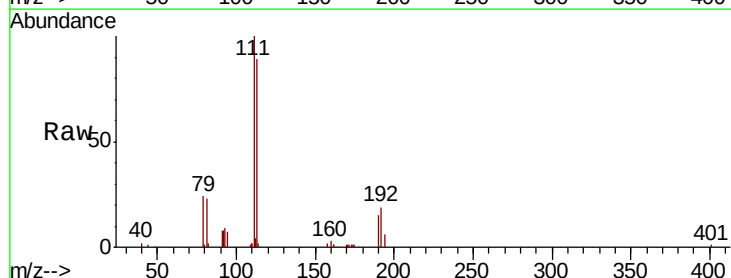
Instrument :
 MSVOA_D
 ClientSampleId :
 193-68-(1)RE

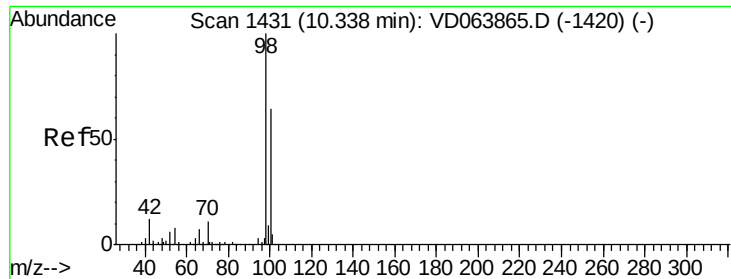
Tot Ion	Ratio	Lower	Upper
114	100		
63	20.4	0.0	38.4
88	15.8	0.0	27.4



#35
 Dibromofluoromethane
 Concen: 51.424 ug/l
 RT: 7.92 min Scan# 1020
 Delta R.T. 0.01 min
 Lab File: VD064050.D
 Acq: 24 Oct 2019 17:17

Tgt Ion	Ratio	Lower	Upper
113	100		
111	106.8	82.6	123.8
192	20.4	17.1	25.7





#50

Toluene-d8

Concen: 57.256 ug/l

RT: 10.34 min Scan# 1432

Delta R.T. 0.01 min

Lab File: VD064050.D

Acq: 24 Oct 2019 17:17

Instrument :

MSVOA_D

ClientSampleId :

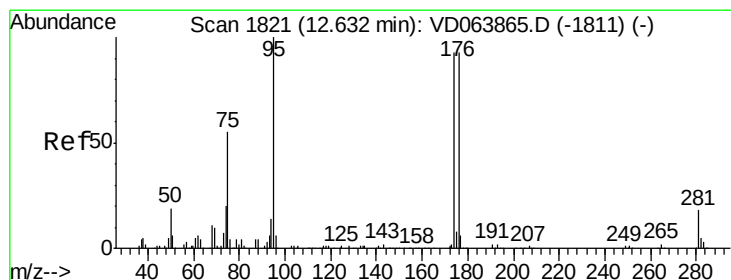
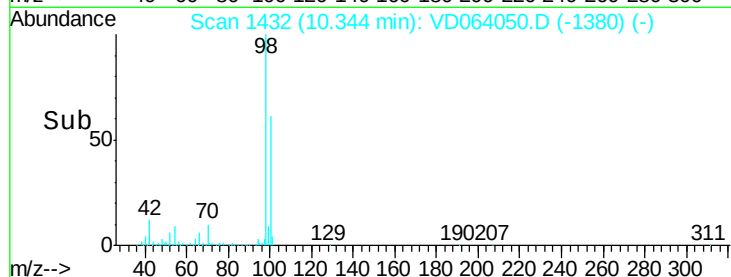
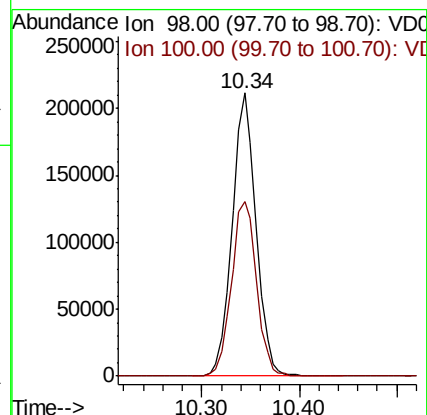
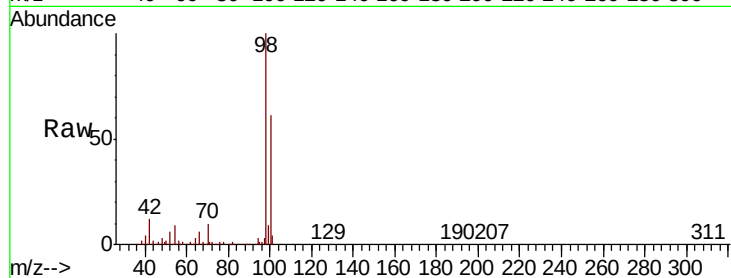
193-68-(1)RE

Tot Ion: 98 Resp: 357178

Ion Ratio Lower Upper

98 100

100 64.9 52.1 78.1



#62

4-Bromofluorobenzene

Concen: 46.006 ug/l

RT: 12.64 min Scan# 1822

Delta R.T. 0.01 min

Lab File: VD064050.D

Acq: 24 Oct 2019 17:17

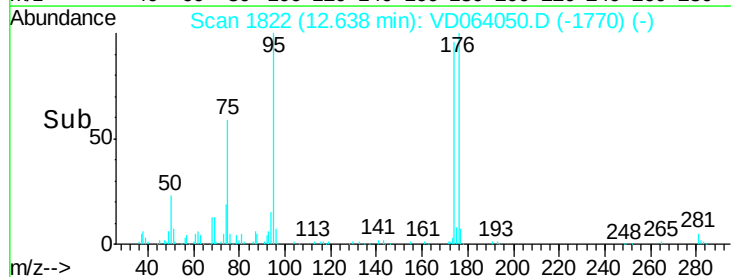
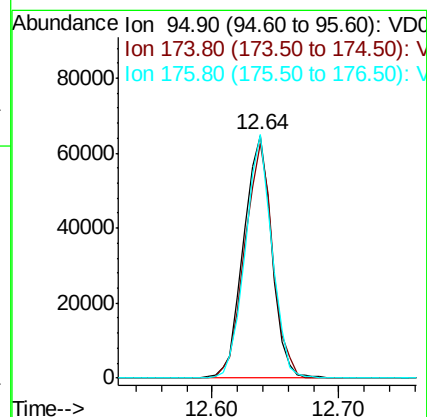
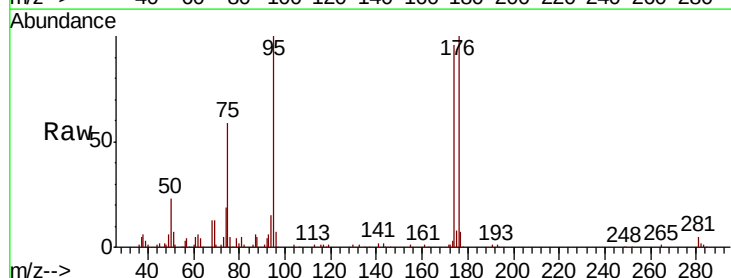
Tgt Ion: 95 Resp: 99731

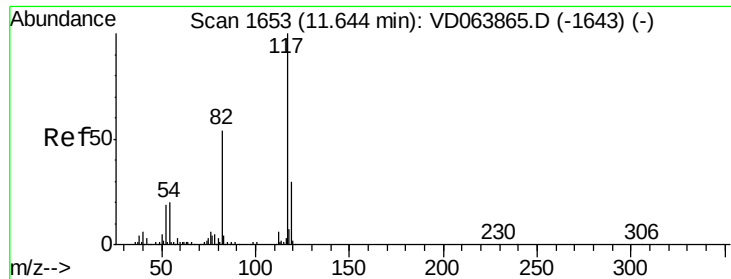
Ion Ratio Lower Upper

95 100

174 96.0 0.0 186.4

176 95.3 0.0 184.2

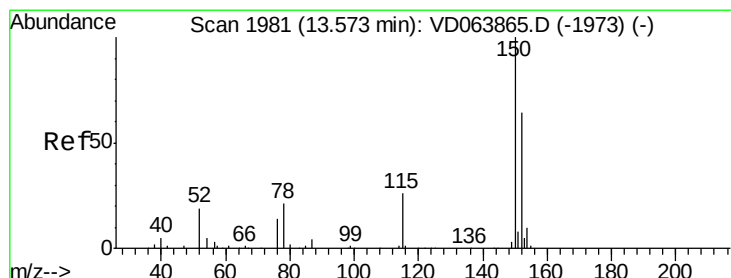
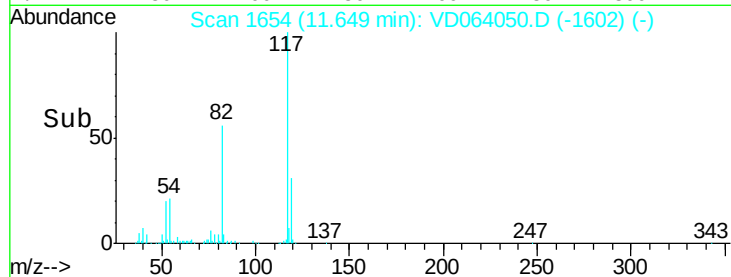
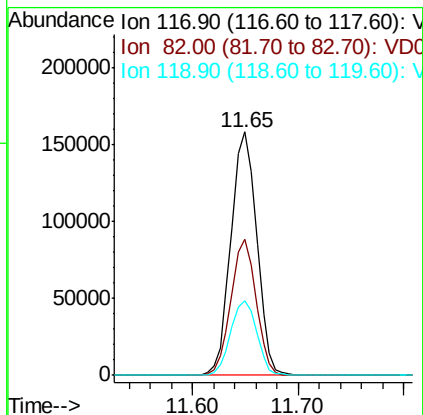
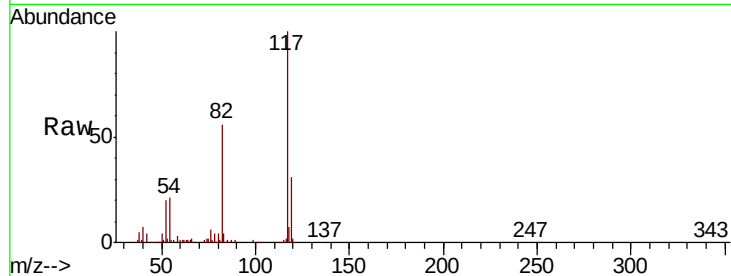




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.65 min Scan# 1654
Delta R.T. 0.01 min
Lab File: VD064050.D
Acq: 24 Oct 2019 17:17

Instrument :
MSVOA_D
ClientSampleId :
193-68-(1)RE

Tot Ion:117 Resp: 267773
Ion Ratio Lower Upper
117 100
82 55.8 42.8 64.2
119 30.8 24.4 36.6



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.58 min Scan# 1982
Delta R.T. 0.01 min
Lab File: VD064050.D
Acq: 24 Oct 2019 17:17

Tgt Ion:152 Resp: 125902
Ion Ratio Lower Upper
152 100
115 54.6 25.9 77.7
150 154.8 0.0 344.2

