

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD082318\
 Data File : VD059891.D
 Acq On : 23 Aug 2018 16:36
 Operator : JC/SY
 Sample : J4559-08
 Misc : 5.08g/5ml/MSVOA D/SOIL
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 RA-081718-SSW-145-052

Quant Time: Aug 24 06:39:07 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D082218S.M
 Quant Title : SW846 8260
 QLast Update : Thu Aug 23 03:03:08 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	6.40	168	911281	50.00	ug/l	-0.01
34) 1,4-Difluorobenzene	7.43	114	1302695	50.00	ug/l	-0.01
63) Chlorobenzene-d5	11.28	117	838446	50.00	ug/l	-0.01
72) 1,4-Dichlorobenzene-d4	13.37	152	278348	50.00	ug/l	-0.01

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	6.77	65	479758	62.46	ug/l	-0.02
Spiked Amount			Recovery	=	124.92%	
35) Dibromofluoromethane	6.31	113	571983	56.00	ug/l	-0.02
Spiked Amount			Recovery	=	112.00%	
50) Toluene-d8	9.45	98	1224157	43.19	ug/l	-0.01
Spiked Amount			Recovery	=	86.38%	
62) 4-Bromofluorobenzene	12.42	95	392402	34.09	ug/l	-0.01
Spiked Amount			Recovery	=	68.18%	

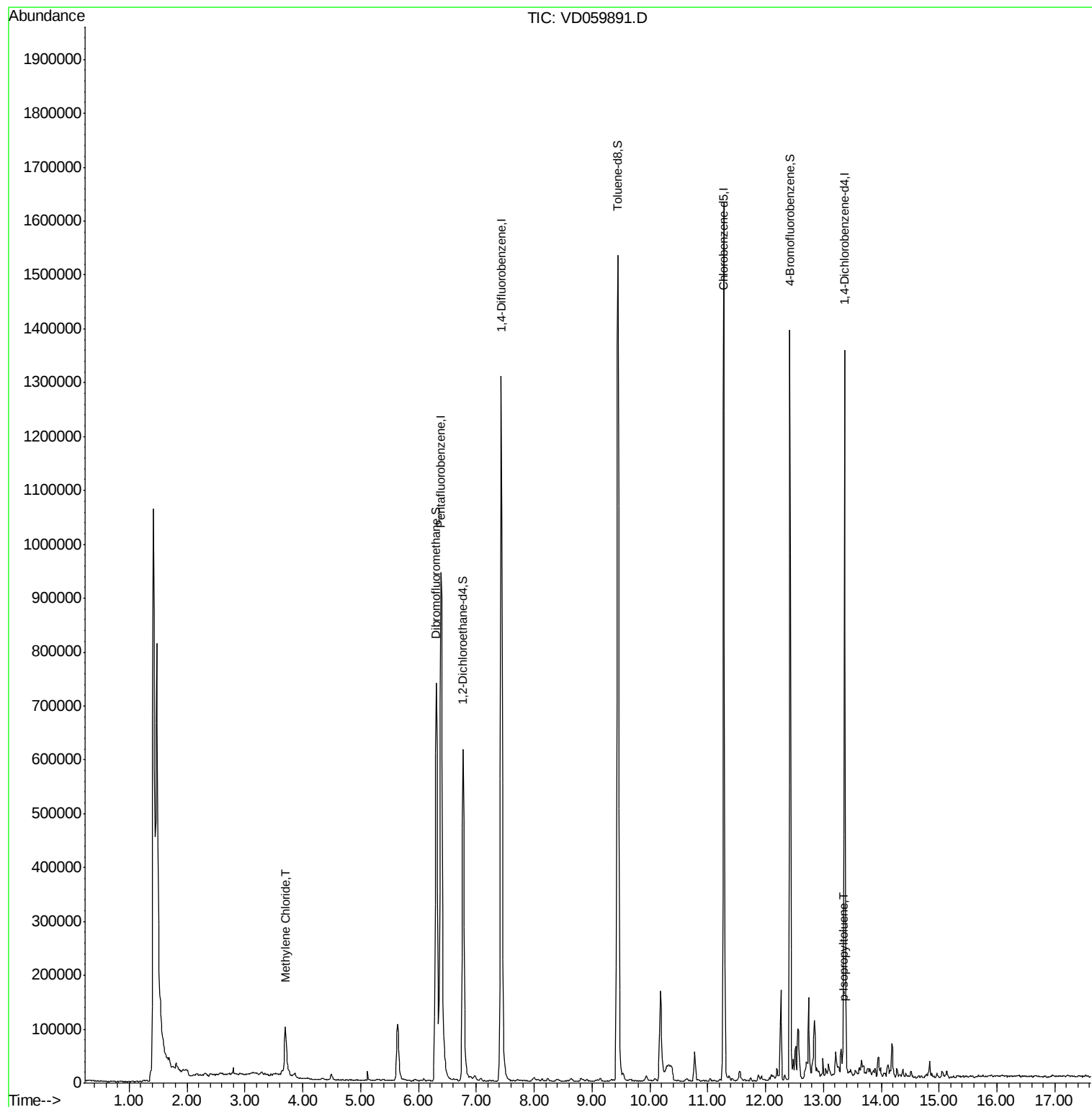
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
20) Methylene Chloride	3.70	84	53911	2.22	ug/l	98
86) p-Isopropyltoluene	13.34	119	18947	1.23	ug/l	97

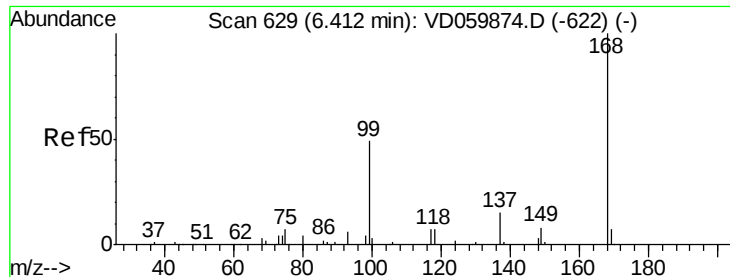
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 6.40 min Scan# 627

Delta R.T. -0.01 min

Lab File: VD059891.D

Acq: 23 Aug 2018 16:36

Instrument :

MSVOA_D

ClientSampleId :

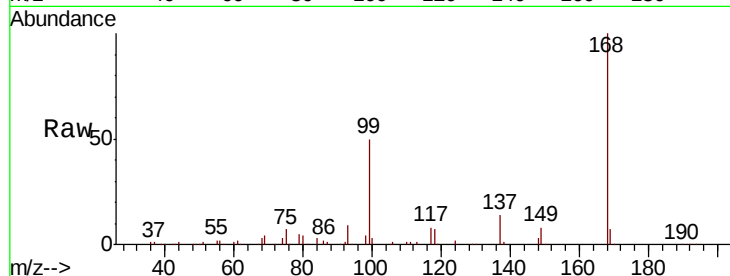
RA-081718-SSW-145-052

Tot Ion:168 Resp: 911281

Ion Ratio Lower Upper

168 100

99 49.8 42.2 63.2



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.95 (98.65 to 99.65): VDC

6.40

400000

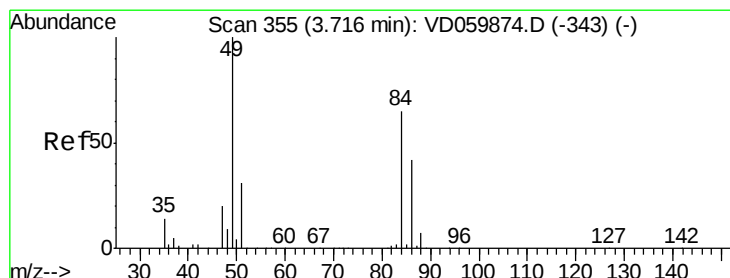
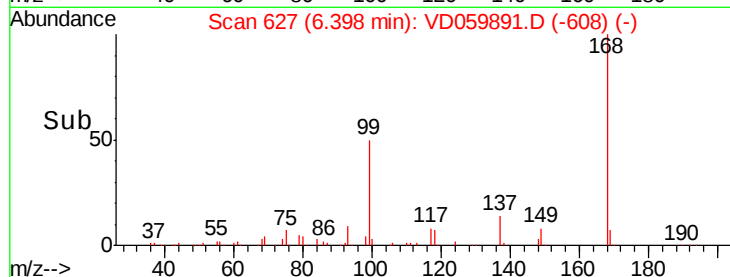
300000

200000

100000

0

Time--> 6.20 6.30 6.40 6.50 6.60



#20

Methylene Chloride

Concen: 2.22 ug/l

RT: 3.70 min Scan# 353

Delta R.T. -0.01 min

Lab File: VD059891.D

Acq: 23 Aug 2018 16:36

Tgt Ion: 84 Resp: 53911

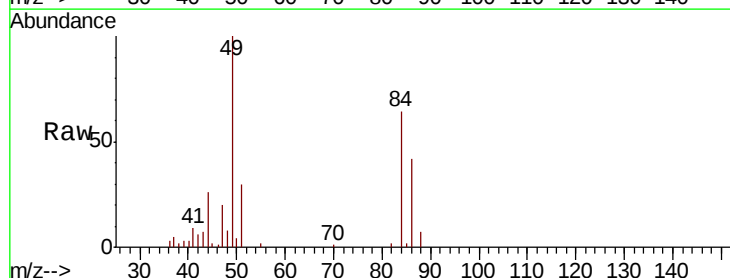
Ion Ratio Lower Upper

84 100

49 157.3 122.6 183.8

51 46.8 38.4 57.6

86 65.3 51.5 77.3



Abundance Ion 83.95 (83.65 to 84.65): VDC

Ion 48.90 (48.60 to 49.60): VDC

Ion 50.90 (50.60 to 51.60): VDC

Ion 85.90 (85.60 to 86.60): VDC

40000

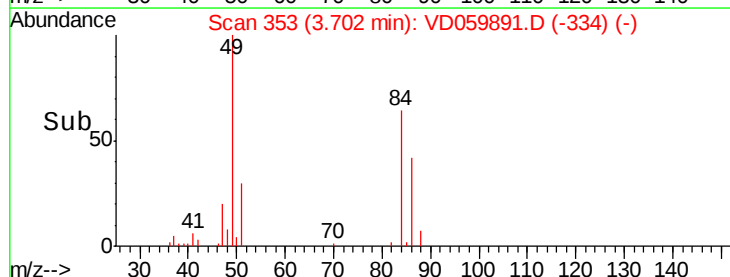
30000

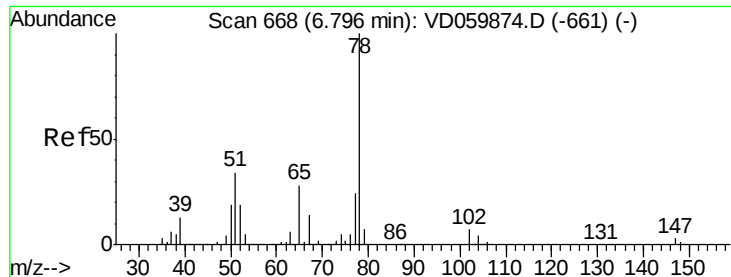
20000

10000

0

Time--> 3.60 3.70 3.80 3.90





#33

1,2-Dichloroethane-d4

Concen: N.D. ug/l

RT: 6.77 min Scan# 665

Delta R.T. -0.02 min

Lab File: VD059891.D

Acq: 23 Aug 2018 16:36

Instrument :

MSVOA_D

ClientSampleId :

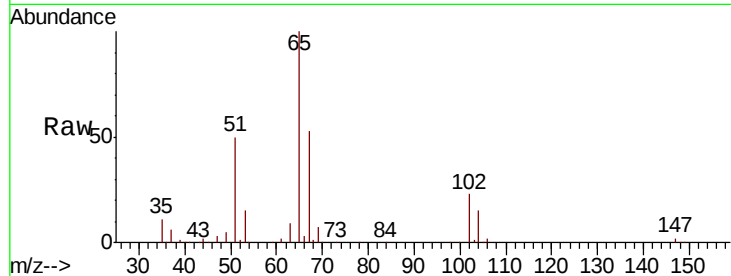
RA-081718-SSW-145-052

Tot Ion: 65 Resp: 479758

Ion Ratio Lower Upper

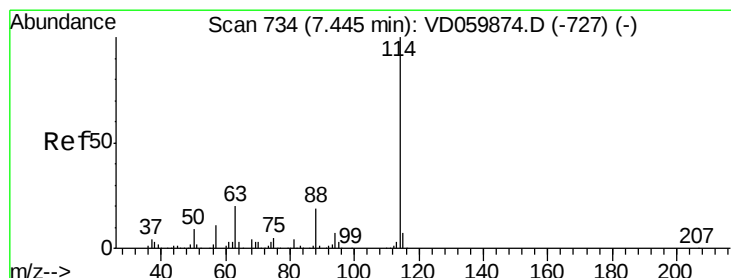
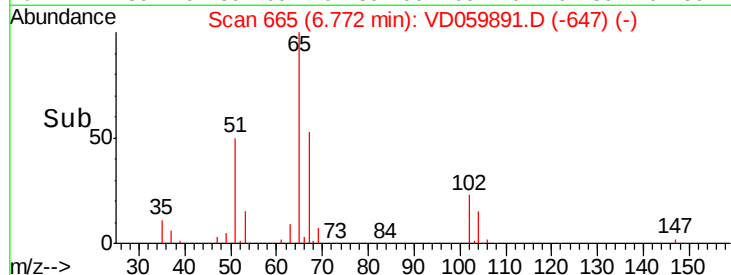
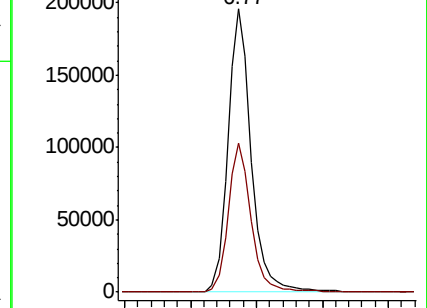
65 100

67 52.9 0.0 103.8



Abundance Ion 64.95 (64.65 to 65.65): VDC

Ion 66.90 (66.60 to 67.60): VDC



#34

1,4-Difluorobenzene

Concen: 50.00 ug/l

RT: 7.43 min Scan# 732

Delta R.T. -0.01 min

Lab File: VD059891.D

Acq: 23 Aug 2018 16:36

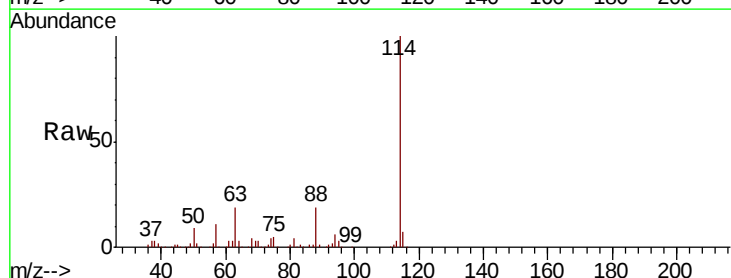
Tgt Ion: 114 Resp: 1302695

Ion Ratio Lower Upper

114 100

63 19.5 0.0 39.4

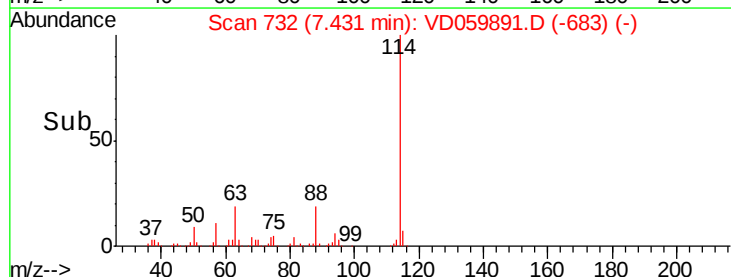
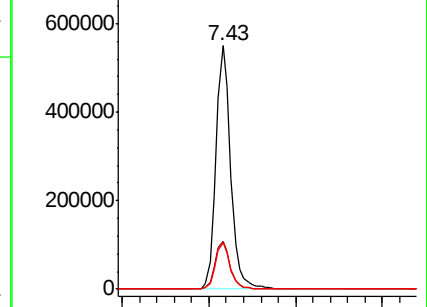
88 19.0 0.0 37.6

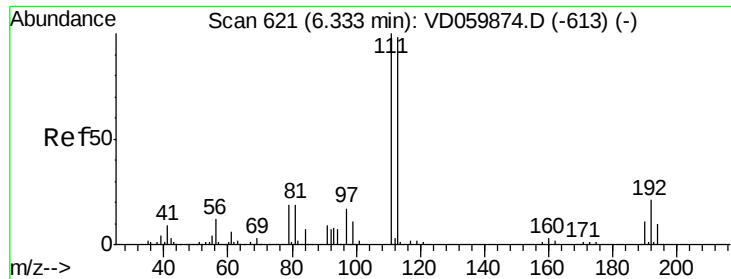


Abundance Ion 114.00 (113.70 to 114.70): V

Ion 62.95 (62.65 to 63.65): VDC

Ion 87.90 (87.60 to 88.60): VDC

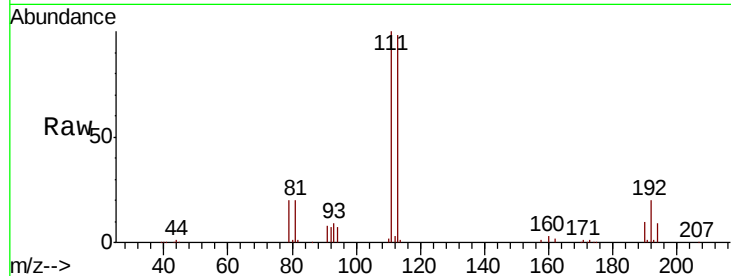




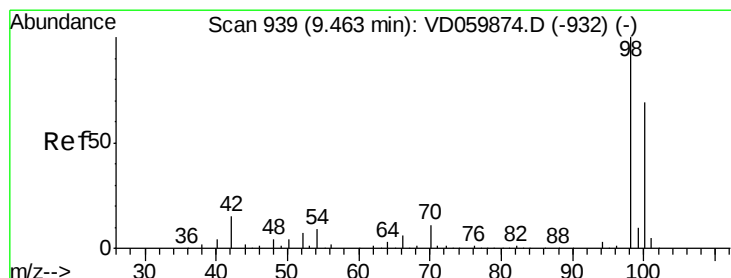
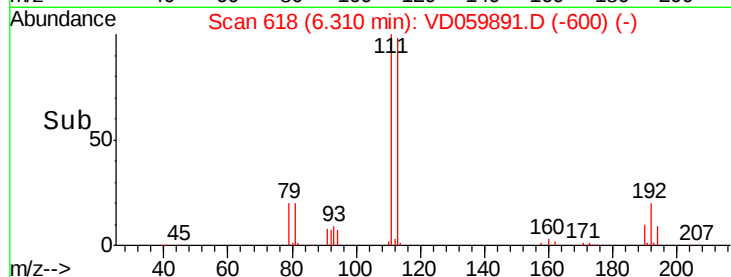
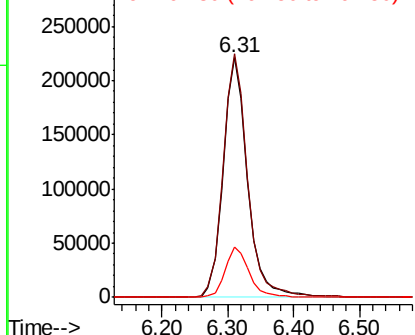
#35
Dibromofluoromethane
Concen: 50.00 ug/l
RT: 6.31 min Scan# 618
Delta R.T. -0.02 min
Lab File: VD059891.D
Acq: 23 Aug 2018 16:36

Instrument :
MSVOA_D
ClientSampleId :
RA-081718-SSW-145-052

Tot Ion:113 Resp: 571983
Ion Ratio Lower Upper
113 100
111 101.6 81.4 122.2
192 20.8 17.0 25.6

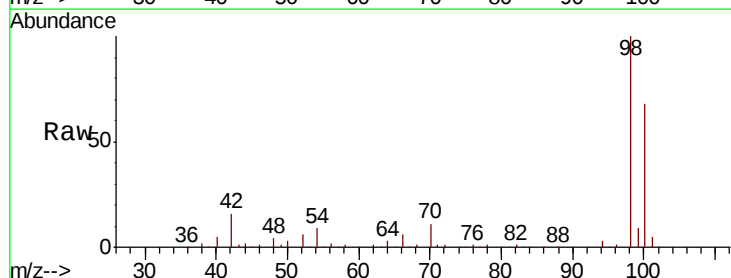


Abundance Ion 112.90 (112.60 to 113.60): V
Ion 110.90 (110.60 to 111.60): V
Ion 191.80 (191.50 to 192.50): V

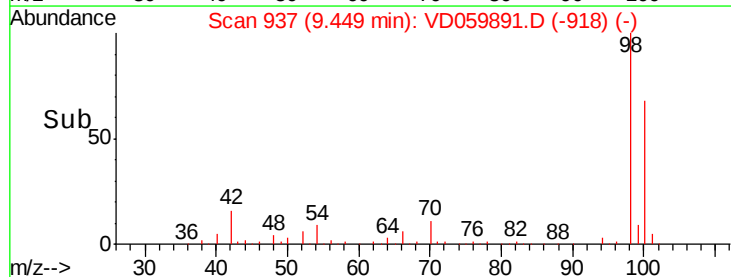
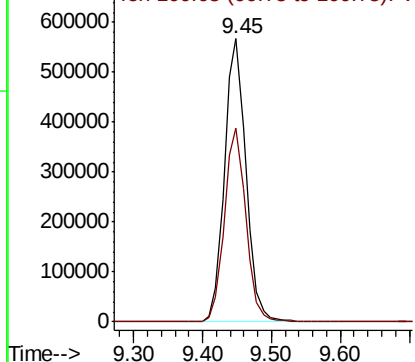


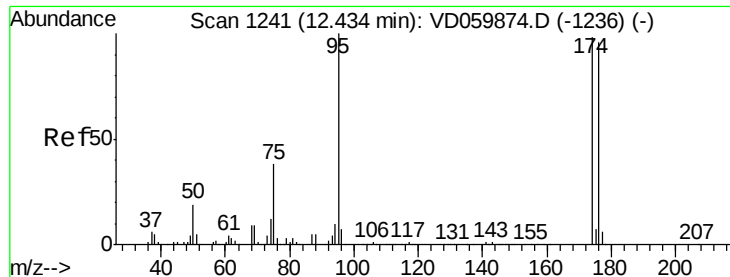
#50
Toluene-d8
Concen: N.D. ug/l
RT: 9.45 min Scan# 937
Delta R.T. -0.01 min
Lab File: VD059891.D
Acq: 23 Aug 2018 16:36

Tgt Ion: 98 Resp: 1224157
Ion Ratio Lower Upper
98 100
100 68.4 55.8 83.6



Abundance Ion 98.05 (97.75 to 98.75): VDC
Ion 100.05 (99.75 to 100.75): VD

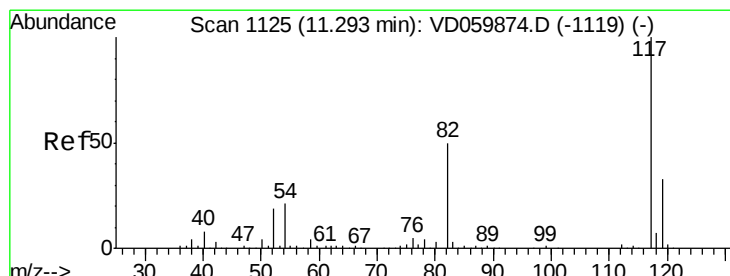
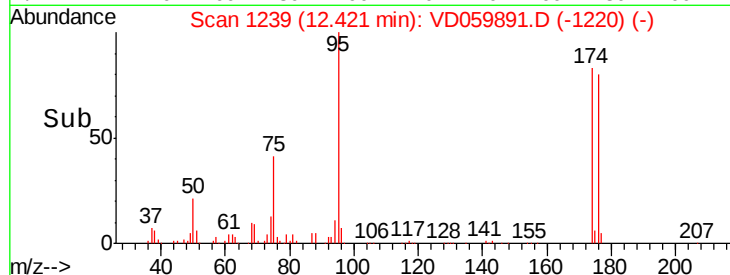
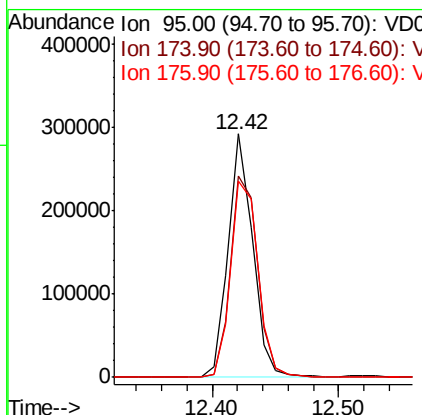
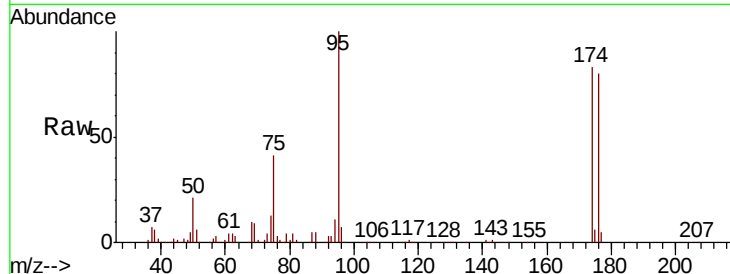




#62
4-Bromofluorobenzene
Concen: N.D. ug/l
RT: 12.42 min Scan# 1239
Delta R.T. -0.01 min
Lab File: VD059891.D
Acq: 23 Aug 2018 16:36

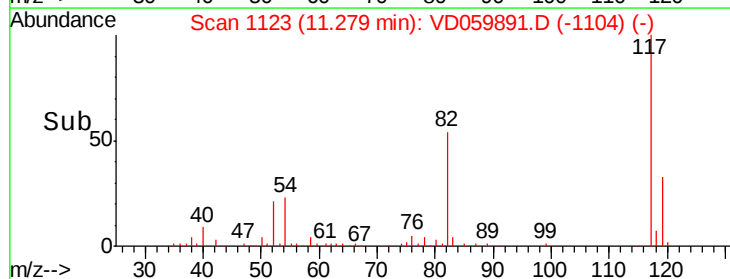
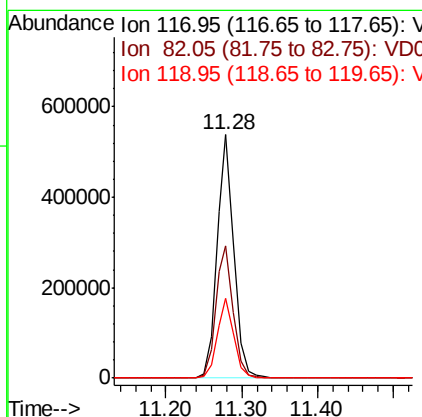
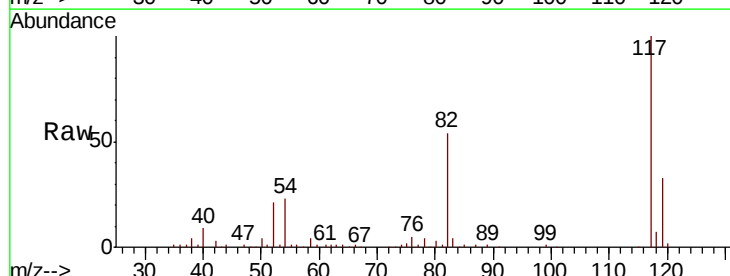
Instrument :
MSVOA_D
ClientSampleId :
RA-081718-SSW-145-052

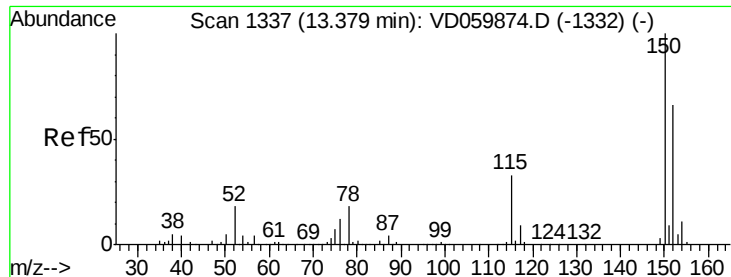
Tot Ion: 95 Resp: 392402
Ion Ratio Lower Upper
95 100
174 82.6 0.0 195.6
176 80.5 0.0 191.2



#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 11.28 min Scan# 1123
Delta R.T. -0.01 min
Lab File: VD059891.D
Acq: 23 Aug 2018 16:36

Tgt Ion: 117 Resp: 838446
Ion Ratio Lower Upper
117 100
82 54.1 40.1 60.1
119 33.0 26.7 40.1





#72

1,4-Dichlorobenzene-d4

Concen: 50.00 ug/l

RT: 13.37 min Scan# 1335

Delta R.T. -0.01 min

Lab File: VD059891.D

Acq: 23 Aug 2018 16:36

Instrument :

MSVOA_D

ClientSampleId :

RA-081718-SSW-145-052

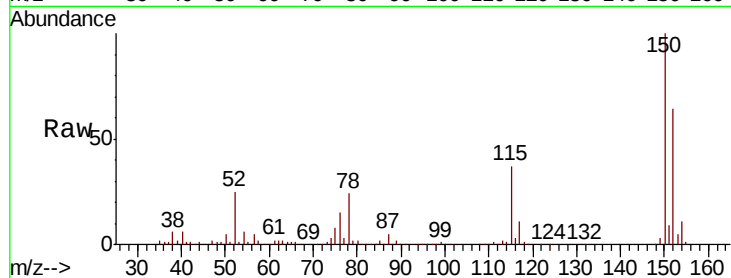
Tot Ion:152 Resp: 278348

Ion Ratio Lower Upper

152 100

115 56.9 25.7 77.0

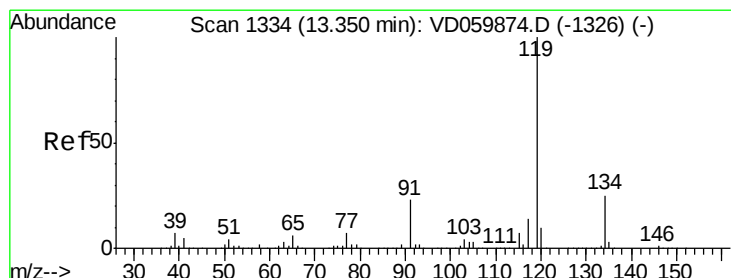
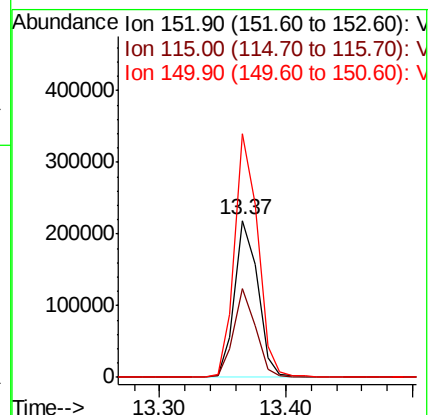
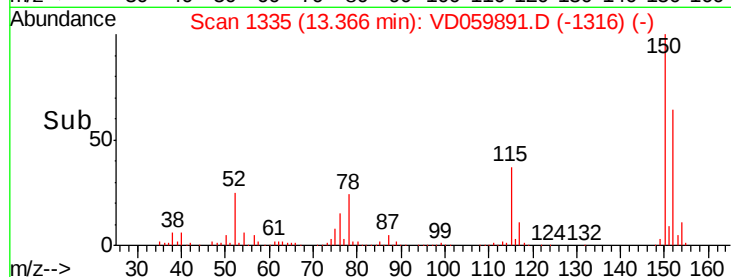
150 155.4 0.0 310.2



Abundance Ion 151.90 (151.60 to 152.60): V

Ion 115.00 (114.70 to 115.70): V

Ion 149.90 (149.60 to 150.60): V



#86

p-Isopropyltoluene

Concen: 1.23 ug/l

RT: 13.34 min Scan# 1332

Delta R.T. -0.01 min

Lab File: VD059891.D

Acq: 23 Aug 2018 16:36

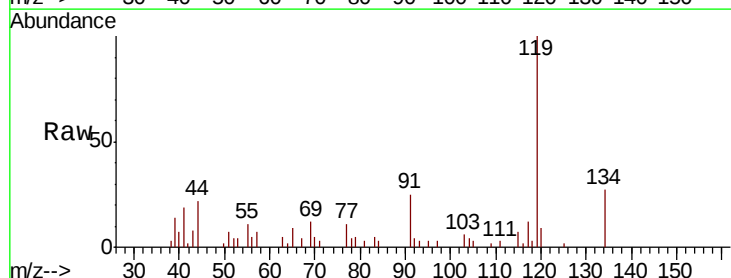
Tgt Ion:119 Resp: 18947

Ion Ratio Lower Upper

119 100

134 27.1 12.7 38.1

91 24.6 11.7 35.0



Abundance Ion 119.05 (118.75 to 119.75): V

Ion 134.10 (133.80 to 134.80): V

Ion 91.00 (90.70 to 91.70): V

