

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD040819\
 Data File : VD061655.D
 Acq On : 8 Apr 2019 17:14
 Operator : VA/AP
 Sample : K2240-09
 Misc : 5.00µl/5ml/MSVOA D/SOIL
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 SB-03-COMP

Quant Time: Apr 09 01:46:49 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D040619S.M
 Quant Title : SW846 8260
 QLast Update : Mon Apr 08 10:04:03 2019
 Response via : Initial Calibration

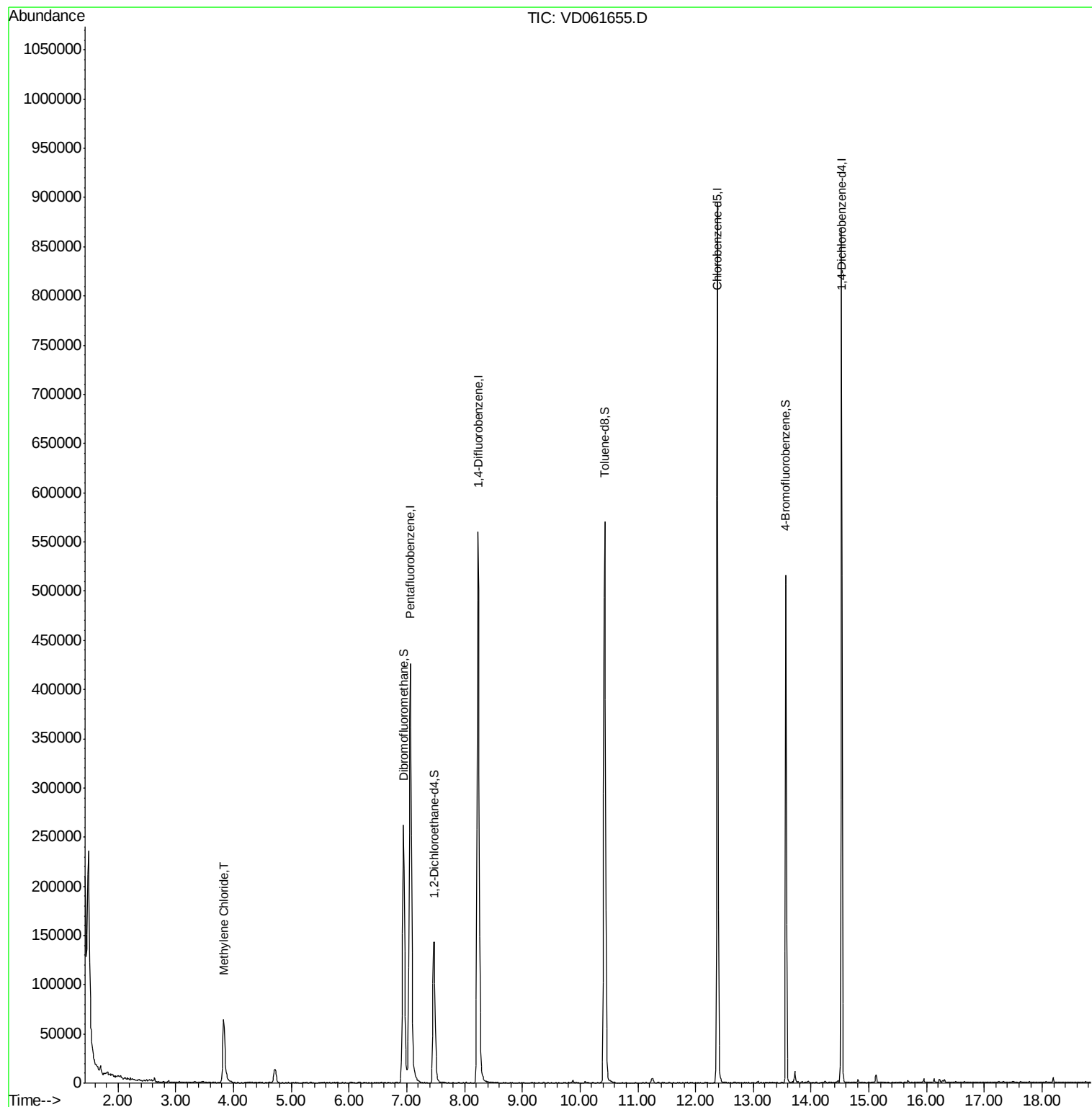
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.06	168	453832	50.00	ug/l	0.02
34) 1,4-Difluorobenzene	8.23	114	729337	50.00	ug/l	0.02
63) Chlorobenzene-d5	12.38	117	555391	50.00	ug/l	0.01
72) 1,4-Dichlorobenzene-d4	14.52	152	190065	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	7.47	65	145324	42.25	ug/l	0.01
Spiked Amount 50.000			Recovery	=	84.50%	
35) Dibromofluoromethane	6.94	113	244671	48.42	ug/l	0.02
Spiked Amount 50.000			Recovery	=	96.84%	
50) Toluene-d8	10.43	98	497604	39.20	ug/l	0.02
Spiked Amount 50.000			Recovery	=	78.40%	
62) 4-Bromofluorobenzene	13.56	95	177238	37.71	ug/l	0.00
Spiked Amount 50.000			Recovery	=	75.42%	
Target Compounds						
20) Methylene Chloride	3.83	84	51758	8.870	ug/l	Qvalue 96

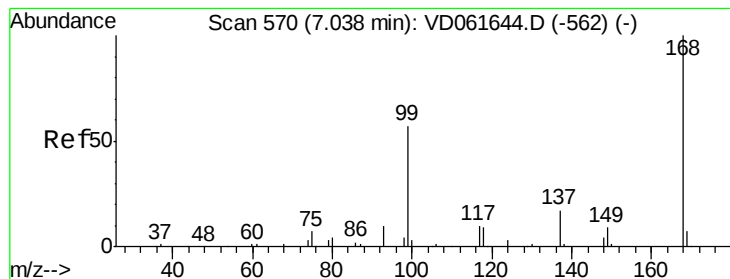
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.06 min Scan# 573

Delta R.T. 0.02 min

Lab File: VD061655.D

Acq: 8 Apr 2019 17:14

Instrument :

MSVOA_D

ClientSampleId :

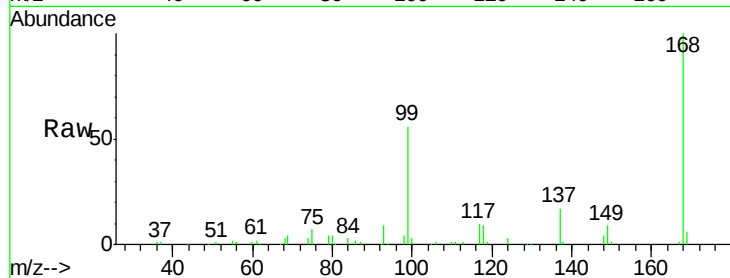
SB-03-COMP

Tot Ion:168 Resp: 453832

Ion Ratio Lower Upper

168 100

99 56.1 46.8 70.2



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.95 (98.65 to 99.65): VDC

7.06

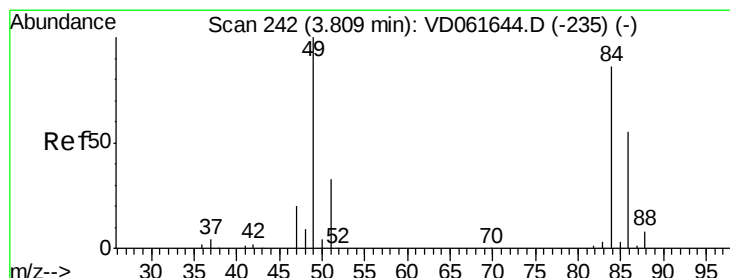
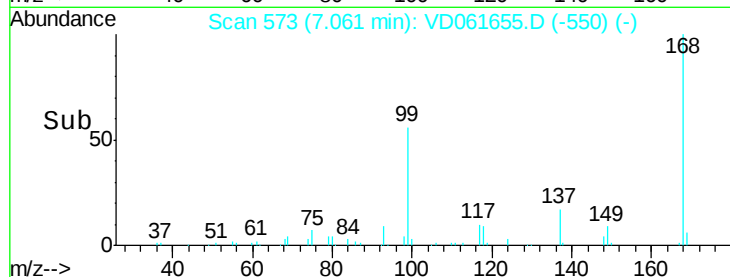
150000

100000

50000

0

Time--> 6.90 7.00 7.10 7.20



#20

Methylene Chloride

Concen: 8.870 ug/l

RT: 3.83 min Scan# 245

Delta R.T. 0.02 min

Lab File: VD061655.D

Acq: 8 Apr 2019 17:14

Tgt Ion: 84 Resp: 51758

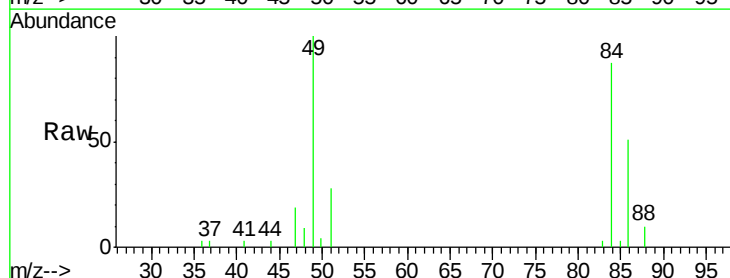
Ion Ratio Lower Upper

84 100

49 115.5 93.0 139.4

51 32.6 30.4 45.6

86 58.7 51.0 76.4



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

3.83

30000

25000

20000

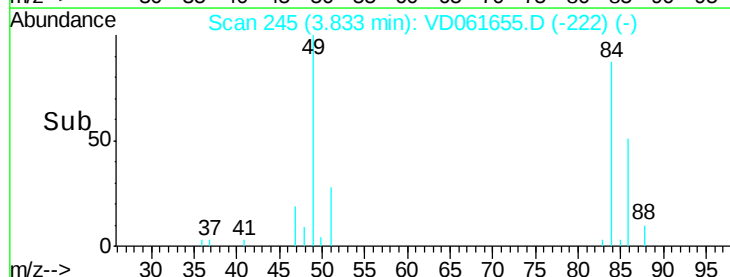
15000

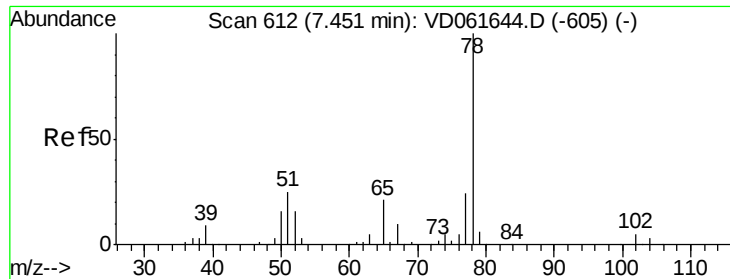
10000

5000

0

Time--> 3.70 3.80 3.90 4.00





#33

1,2-Dichloroethane-d4

Concen: N.D. ug/l

RT: 7.47 min Scan# 614

Delta R.T. 0.01 min

Lab File: VD061655.D

Acq: 8 Apr 2019 17:14

Instrument :

MSVOA_D

ClientSampleId :

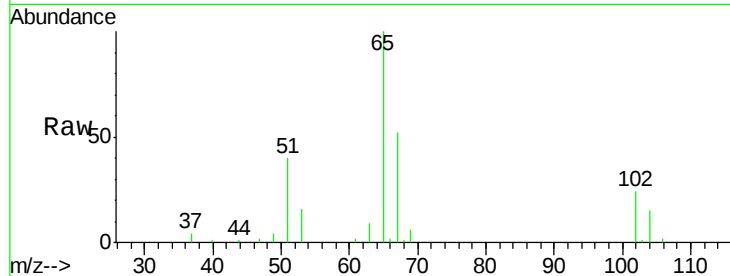
SB-03-COMP

Tot Ion: 65 Resp: 145324

Ion Ratio Lower Upper

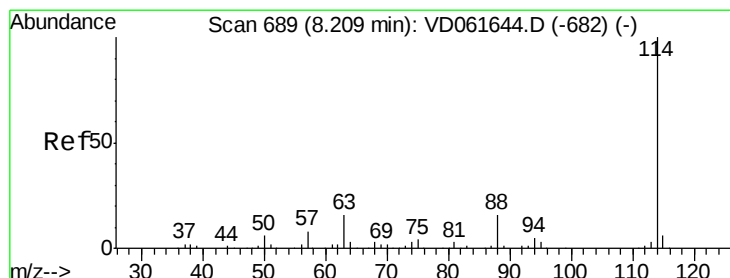
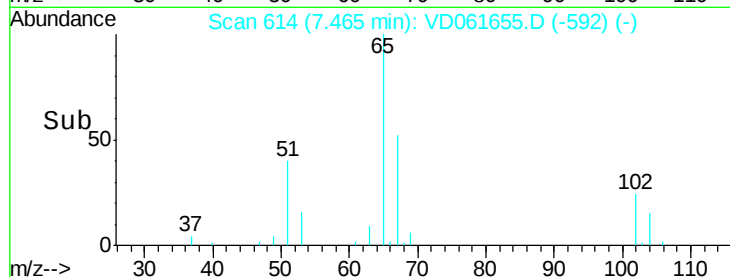
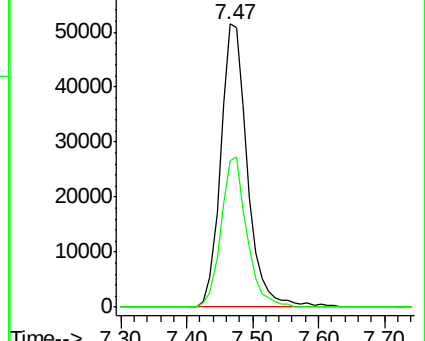
65 100

67 51.7 0.0 99.4



Abundance Ion 64.95 (64.65 to 65.65): VDC

Ion 66.90 (66.60 to 67.60): VDC



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.23 min Scan# 692

Delta R.T. 0.02 min

Lab File: VD061655.D

Acq: 8 Apr 2019 17:14

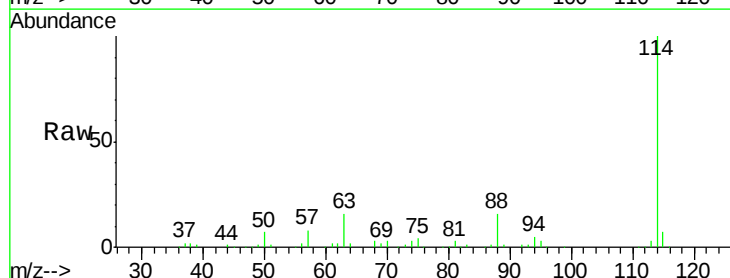
Tgt Ion: 114 Resp: 729337

Ion Ratio Lower Upper

114 100

63 16.1 0.0 31.2

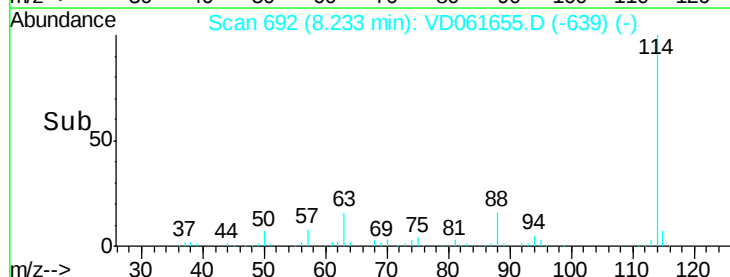
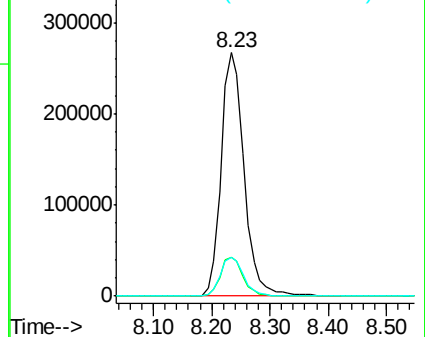
88 16.2 0.0 31.8

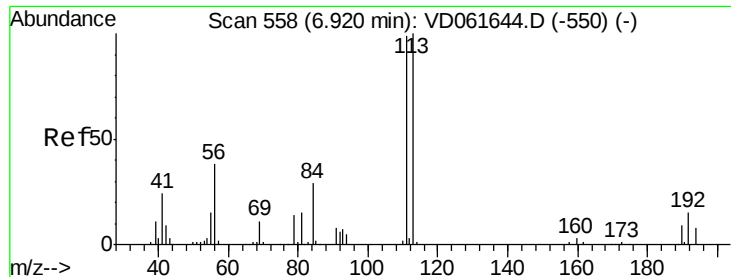


Abundance Ion 114.00 (113.70 to 114.70): V

Ion 62.95 (62.65 to 63.65): VDC

Ion 87.90 (87.60 to 88.60): VDC

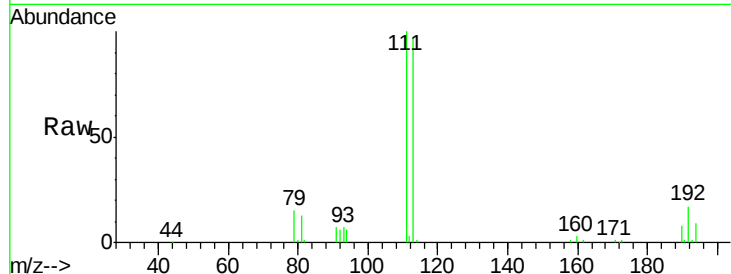




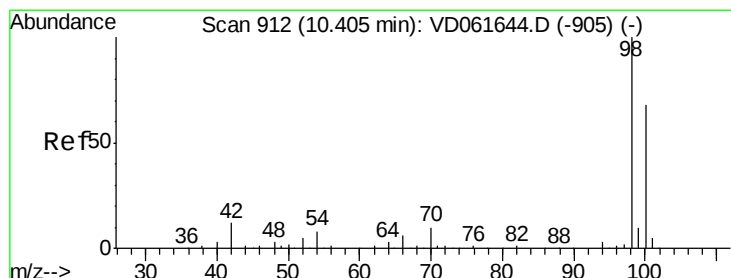
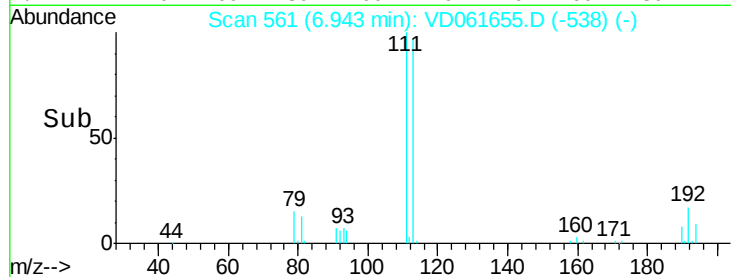
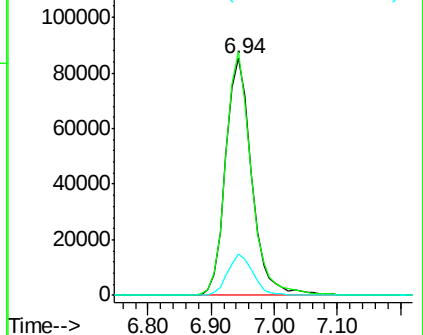
#35
 Dibromofluoromethane
 Concen: 50.000 ug/l
 RT: 6.94 min Scan# 561
 Delta R.T. 0.02 min
 Lab File: VD061655.D
 Acq: 8 Apr 2019 17:14

Instrument :
 MSVOA_D
 ClientSampleId :
 SB-03-COMP

Tot Ion:113 Resp: 244671
 Ion Ratio Lower Upper
 113 100
 111 102.8 79.3 118.9
 192 17.3 12.3 18.5

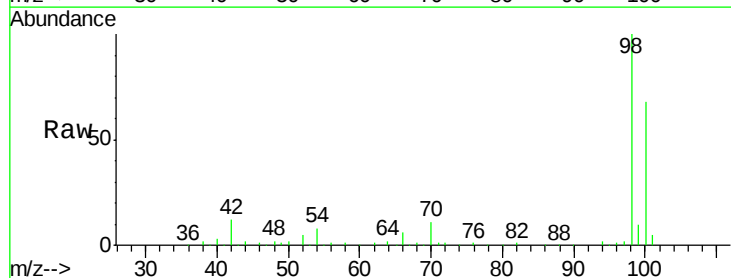


Abundance Ion 112.90 (112.60 to 113.60): V
 Ion 110.90 (110.60 to 111.60): V
 Ion 191.80 (191.50 to 192.50): V

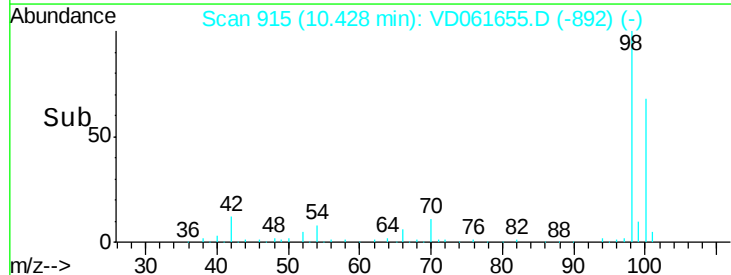
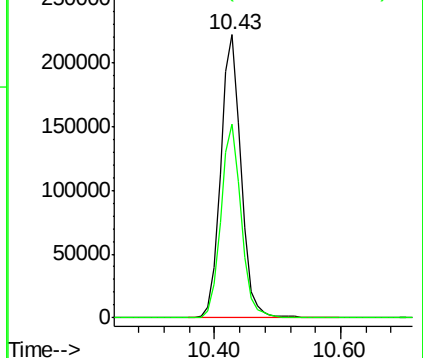


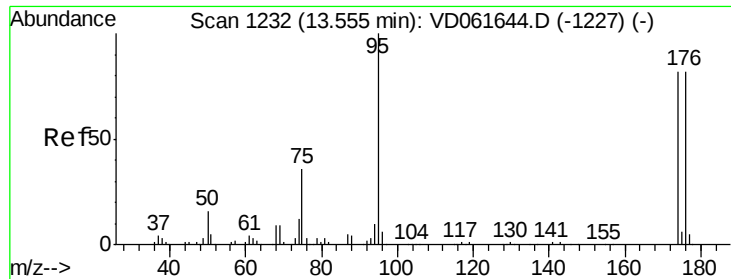
#50
 Toluene-d8
 Concen: N.D. ug/l
 RT: 10.43 min Scan# 915
 Delta R.T. 0.02 min
 Lab File: VD061655.D
 Acq: 8 Apr 2019 17:14

Tgt Ion: 98 Resp: 497604
 Ion Ratio Lower Upper
 98 100
 100 68.3 55.4 83.0



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





#62

4-Bromofluorobenzene

Concen: N.D. ug/l

RT: 13.56 min Scan# 1233

Delta R.T. 0.00 min

Lab File: VD061655.D

Acq: 8 Apr 2019 17:14

Instrument :

MSVOA_D

ClientSampleId :

SB-03-COMP

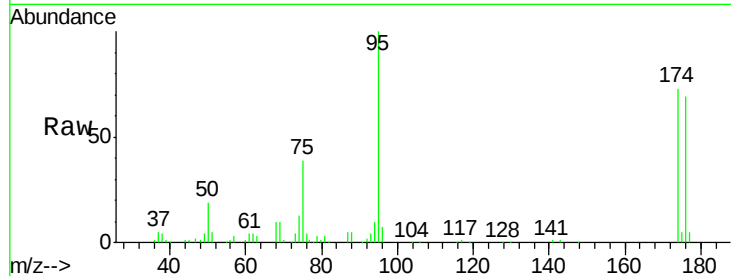
Tot Ion: 95 Resp: 177238

Ion Ratio Lower Upper

95 100

174 73.2 0.0 164.6

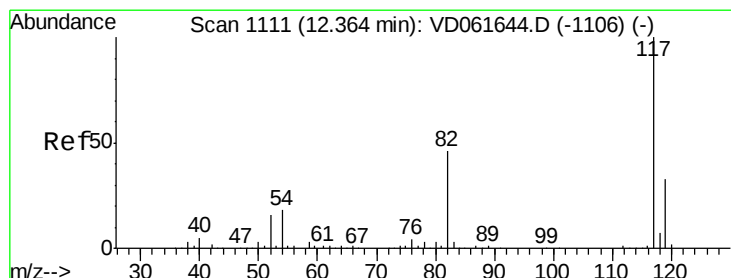
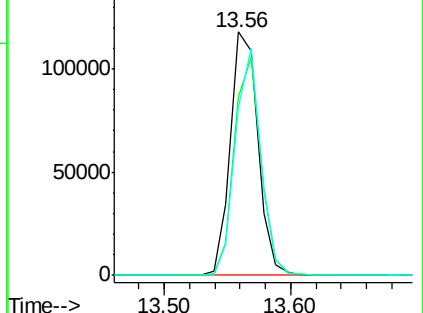
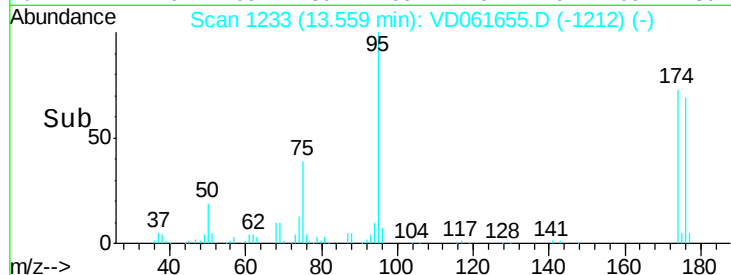
176 69.3 0.0 165.0



Abundance Ion 95.00 (94.70 to 95.70): V

Ion 173.90 (173.60 to 174.60): V

Ion 175.90 (175.60 to 176.60): V



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 12.38 min Scan# 1113

Delta R.T. 0.01 min

Lab File: VD061655.D

Acq: 8 Apr 2019 17:14

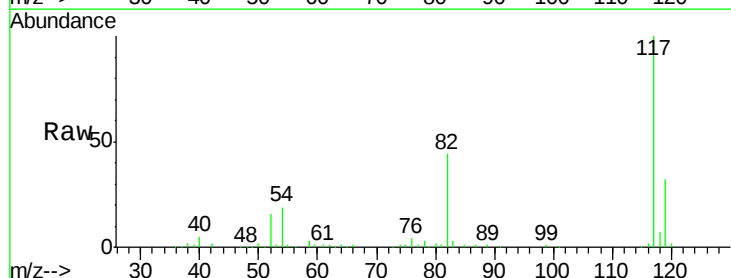
Tgt Ion: 117 Resp: 555391

Ion Ratio Lower Upper

117 100

82 44.4 36.8 55.2

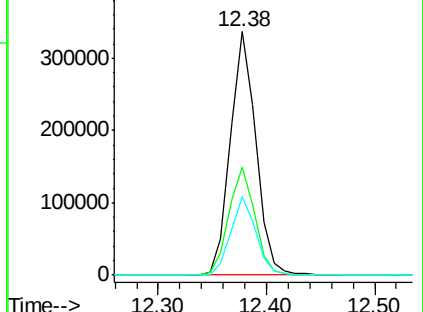
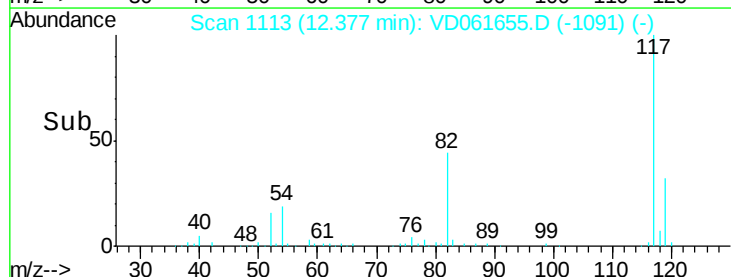
119 32.5 26.1 39.1

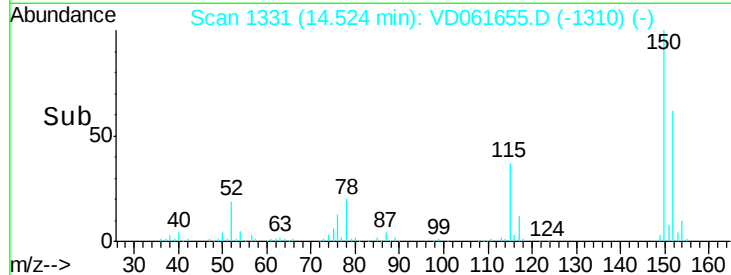
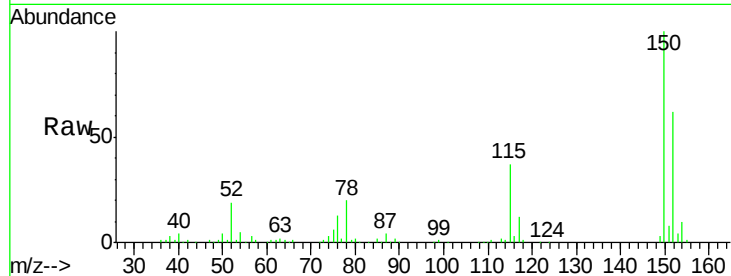
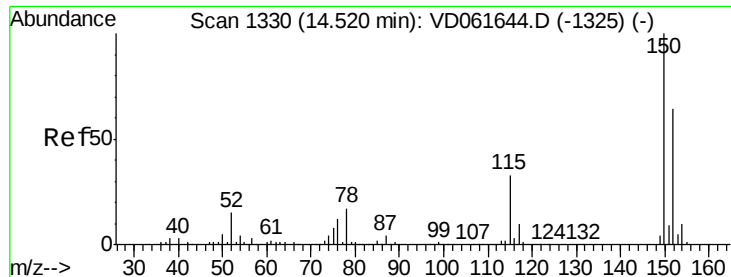


Abundance Ion 116.95 (116.65 to 117.65): V

Ion 82.05 (81.75 to 82.75): V

Ion 118.95 (118.65 to 119.65): V





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 14.52 min Scan# 1331

Delta R.T. 0.00 min

Lab File: VD061655.D

Acq: 8 Apr 2019 17:14

Instrument :

MSVOA_D

ClientSampleId :

SB-03-COMP

Tot Ion:152 Resp: 190065

Ion Ratio Lower Upper

152 100

115 59.7 26.4 79.2

150 160.2 0.0 320.6

