

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD040119\
 Data File : VD061474.D
 Acq On : 1 Apr 2019 17:51
 Operator : VA/AP
 Sample : K2178-09
 Misc : 5.12g/5ml/MSVOA D/SOIL
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VOC-18

Quant Time: Apr 02 02:05:26 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D032719S.M
 Quant Title : SW846 8260
 QLast Update : Thu Mar 28 09:22:37 2019
 Response via : Initial Calibration

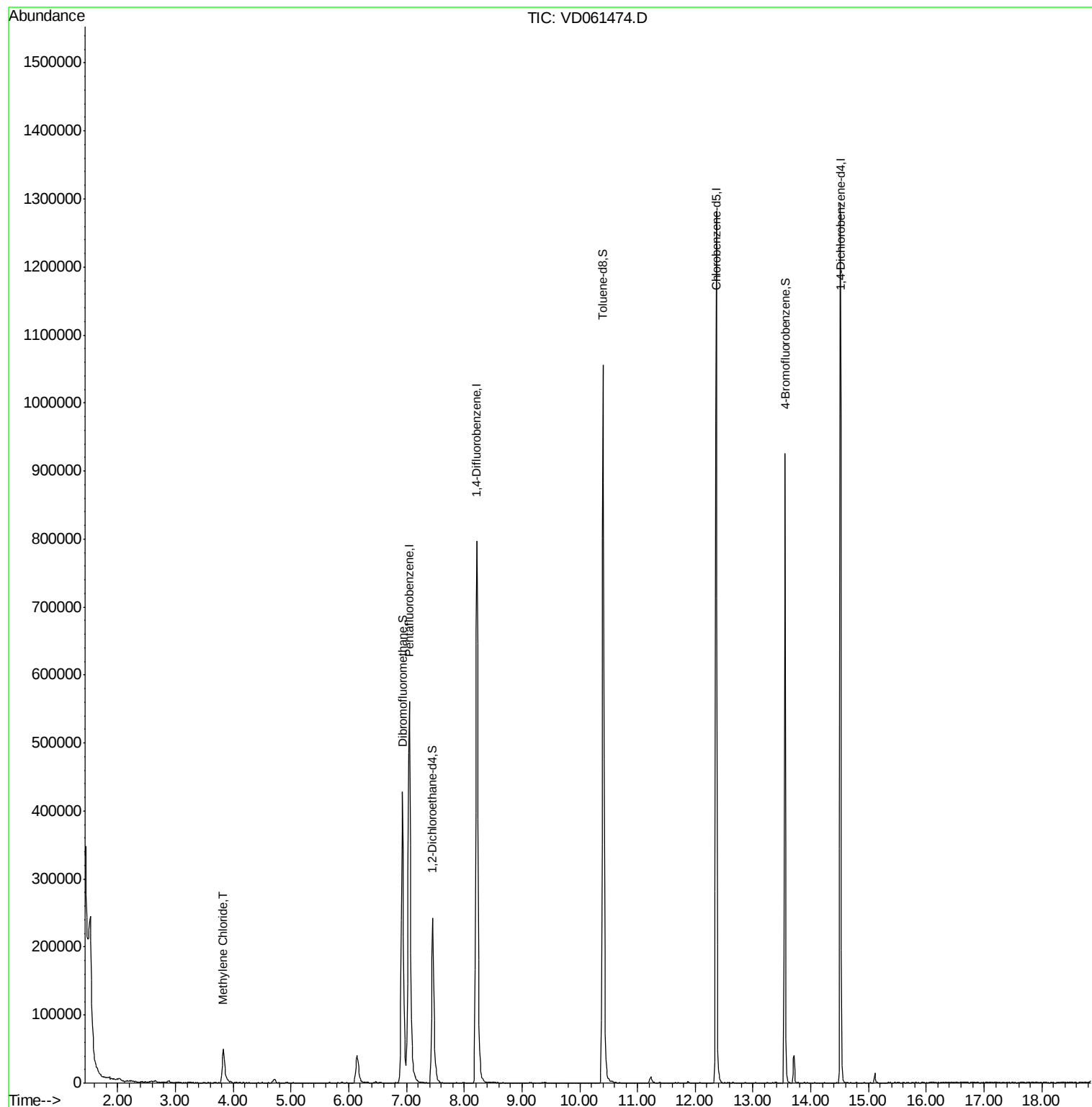
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.06	168	614124	50.00	ug/l	0.04
34) 1,4-Difluorobenzene	8.22	114	1015207	50.00	ug/l	0.03
63) Chlorobenzene-d5	12.36	117	797296	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	14.51	152	301348	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	7.45	65	245552	46.81	ug/l	0.02
Spiked Amount 50.000			Recovery	=	93.62%	
35) Dibromofluoromethane	6.93	113	402980	51.94	ug/l	0.03
Spiked Amount 50.000			Recovery	=	103.88%	
50) Toluene-d8	10.40	98	923336	49.62	ug/l	0.02
Spiked Amount 50.000			Recovery	=	99.24%	
62) 4-Bromofluorobenzene	13.55	95	292304	40.97	ug/l	0.00
Spiked Amount 50.000			Recovery	=	81.94%	
Target Compounds						
20) Methylene Chloride	3.83	84	42569	3.863	ug/l	Qvalue 95

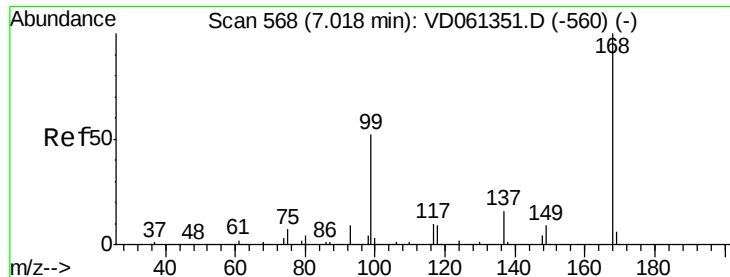
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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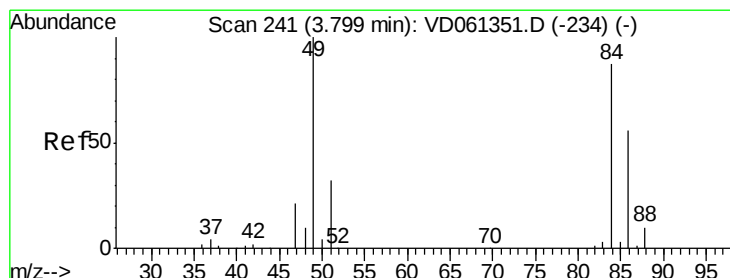
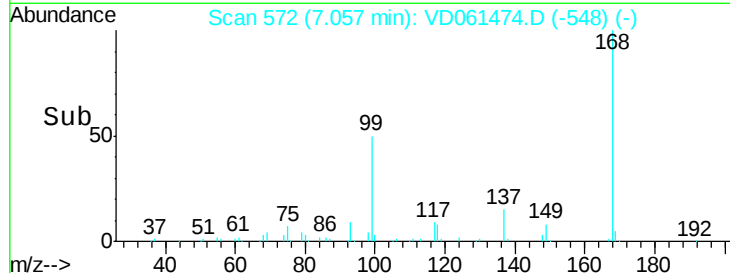
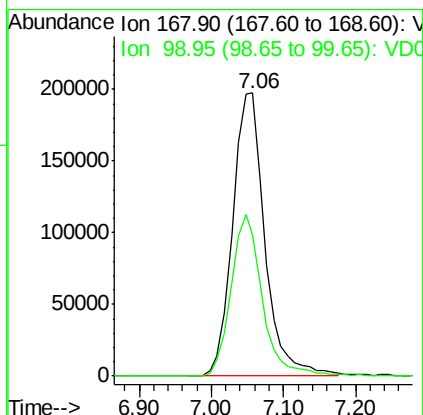
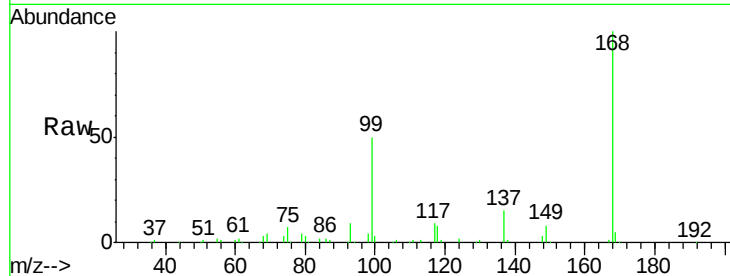




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.06 min Scan# 572
Delta R.T. 0.04 min
Lab File: VD061474.D
Acq: 1 Apr 2019 17:51

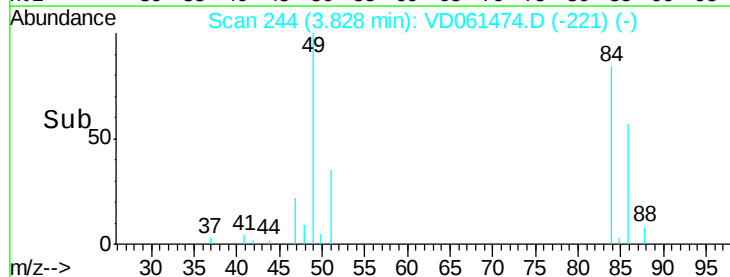
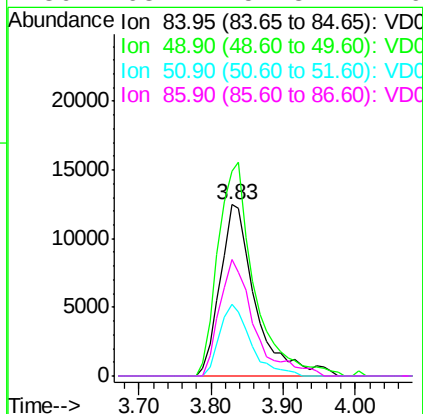
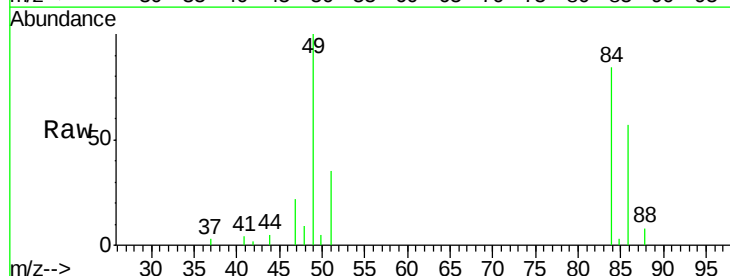
Instrument :
MSVOA_D
ClientSampled :
VOC-18

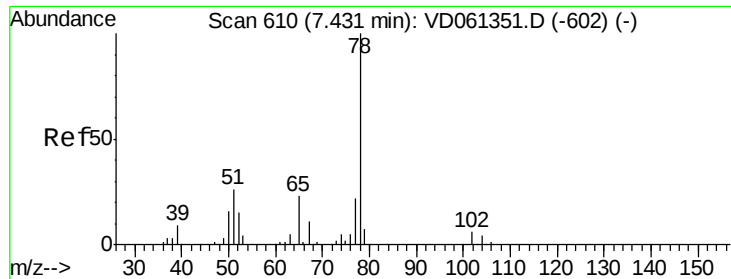
Tot Ion:168 Resp: 614124
Ion Ratio Lower Upper
168 100
99 50.1 43.1 64.7



#20
Methylene Chloride
Concen: 3.863 ug/l
RT: 3.83 min Scan# 244
Delta R.T. 0.03 min
Lab File: VD061474.D
Acq: 1 Apr 2019 17:51

Tgt Ion: 84 Resp: 42569
Ion Ratio Lower Upper
84 100
49 119.6 91.8 137.8
51 41.8 29.8 44.8
86 68.2 51.8 77.6





#33

1,2-Dichloroethane-d4

Concen: N.D. ug/l

RT: 7.45 min Scan# 612

Delta R.T. 0.02 min

Lab File: VD061474.D

Acq: 1 Apr 2019 17:51

Instrument :

MSVOA_D

ClientSampleId :

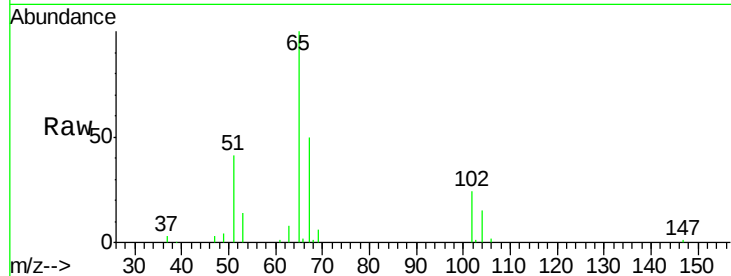
VOC-18

Tot Ion: 65 Resp: 24552

Ion Ratio Lower Upper

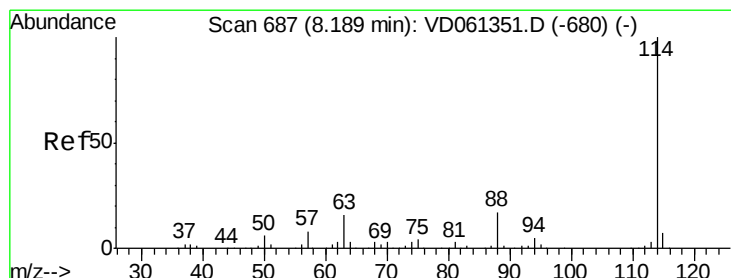
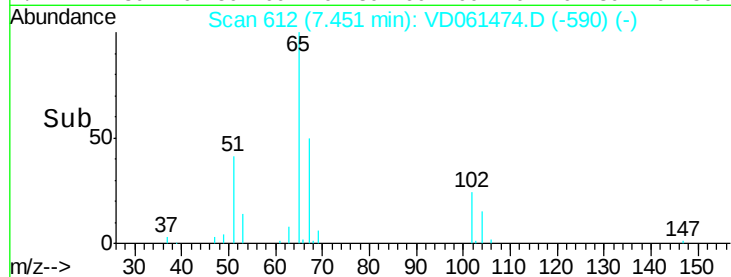
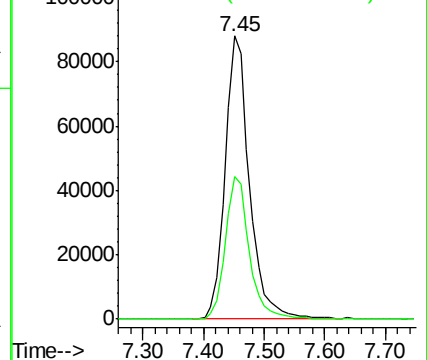
65 100

67 50.4 0.0 99.8



Abundance Ion 64.95 (64.65 to 65.65): VDC

Ion 66.90 (66.60 to 67.60): VDC



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.22 min Scan# 690

Delta R.T. 0.03 min

Lab File: VD061474.D

Acq: 1 Apr 2019 17:51

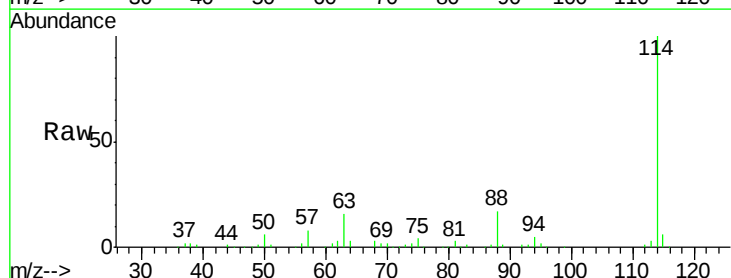
Tgt Ion: 114 Resp: 1015207

Ion Ratio Lower Upper

114 100

63 16.0 0.0 31.6

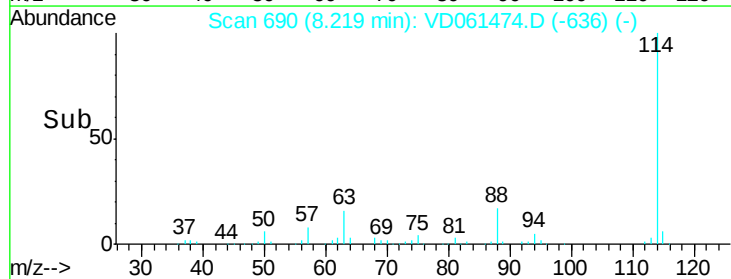
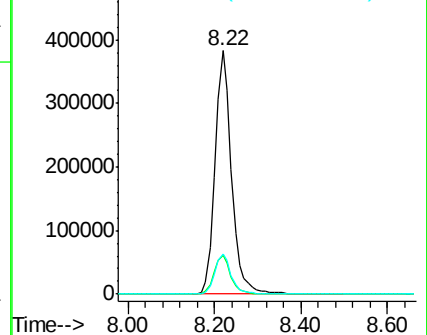
88 16.7 0.0 33.4



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: 6.93 min Scan# 559

Delta R.T. 0.03 min

Lab File: VD061474.D

Acq: 1 Apr 2019 17:51

Instrument :

MSVOA_D

ClientSampleId :

VOC-18

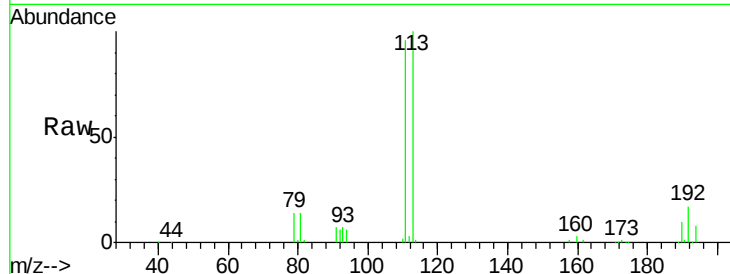
Tot Ion:113 Resp: 402980

Ion Ratio Lower Upper

113 100

111 96.3 81.0 121.6

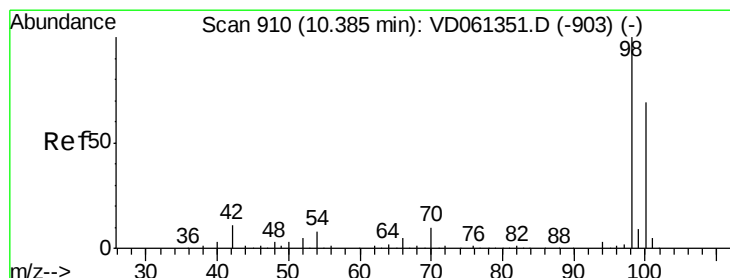
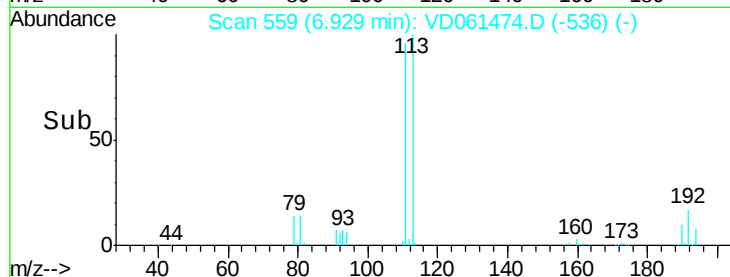
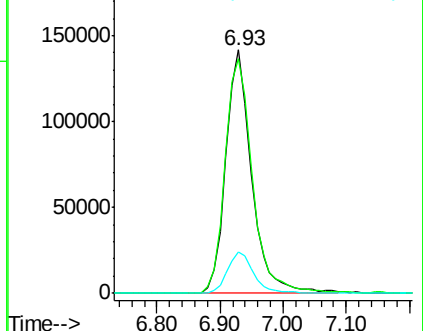
192 17.1 14.4 21.6



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: 10.40 min Scan# 912

Delta R.T. 0.02 min

Lab File: VD061474.D

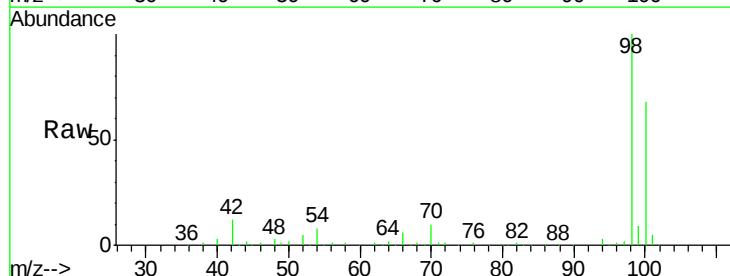
Acq: 1 Apr 2019 17:51

Tgt Ion: 98 Resp: 923336

Ion Ratio Lower Upper

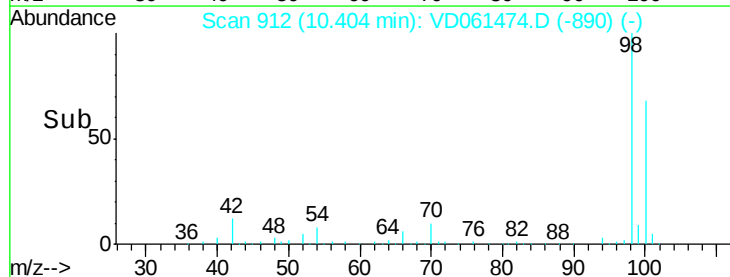
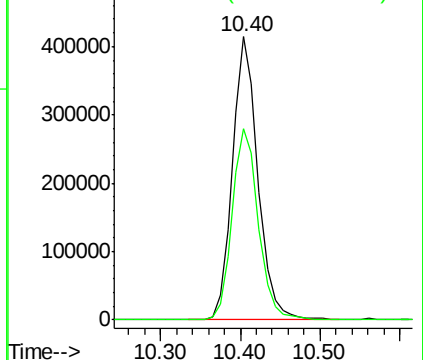
98 100

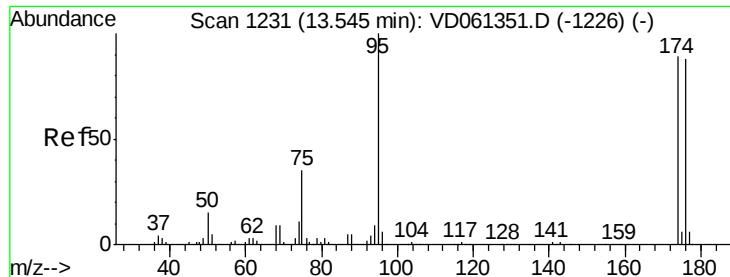
100 67.8 56.2 84.2



Abundance Ion 98.05 (97.75 to 98.75): V

Ion 100.05 (99.75 to 100.75): V





#62

4-Bromofluorobenzene

Concen: N.D. ug/l

RT: 13.55 min Scan# 1232

Delta R.T. 0.01 min

Lab File: VD061474.D

Acq: 1 Apr 2019 17:51

Instrument :

MSVOA_D

ClientSampleId :

VOC-18

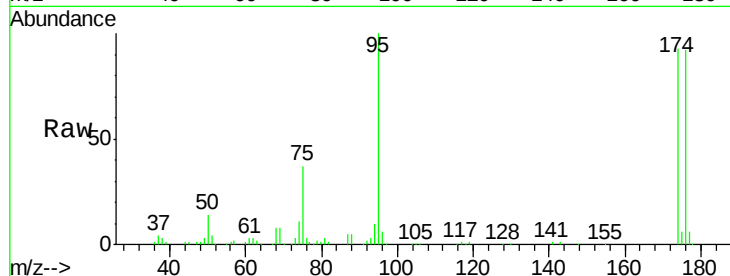
Tot Ion: 95 Resp: 292304

Ion Ratio Lower Upper

95 100

174 93.1 0.0 178.0

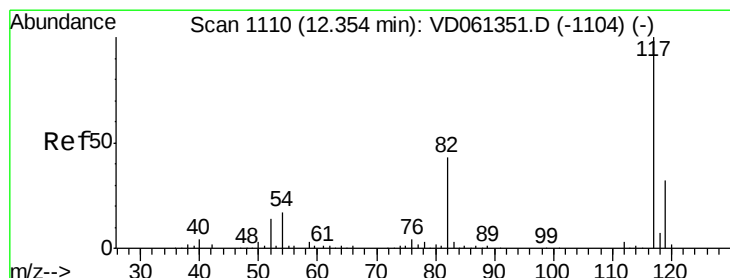
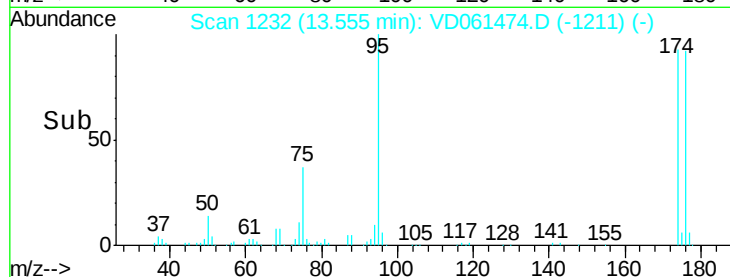
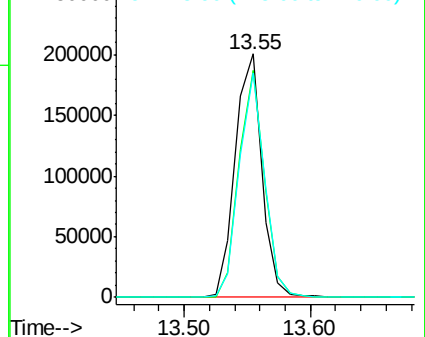
176 92.1 0.0 175.0



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: 12.36 min Scan# 1111

Delta R.T. 0.01 min

Lab File: VD061474.D

Acq: 1 Apr 2019 17:51

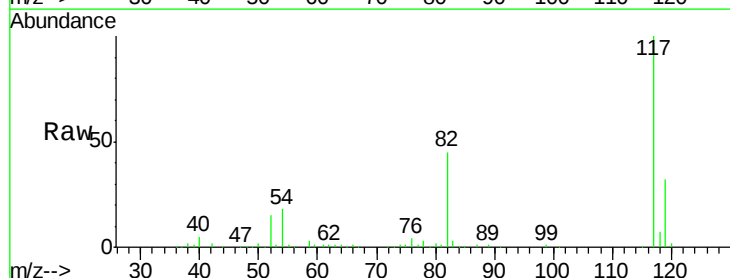
Tgt Ion: 117 Resp: 797296

Ion Ratio Lower Upper

117 100

82 45.0 34.4 51.6

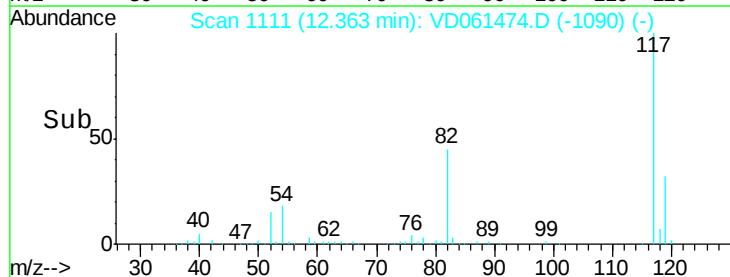
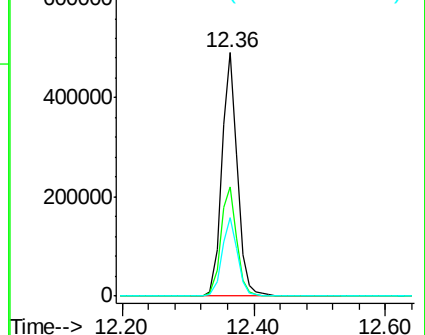
119 32.0 25.8 38.6

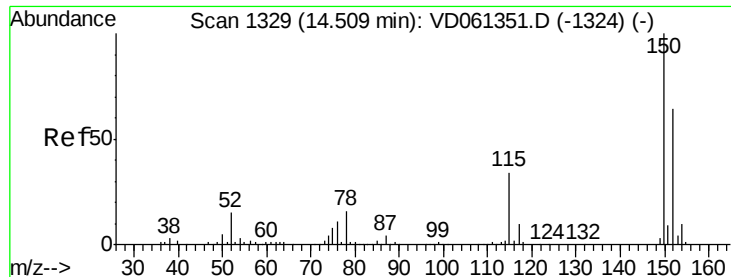


Abundance Ion 116.95 (116.65 to 117.65): V

Ion 82.05 (81.75 to 82.75): V

Ion 118.95 (118.65 to 119.65): V

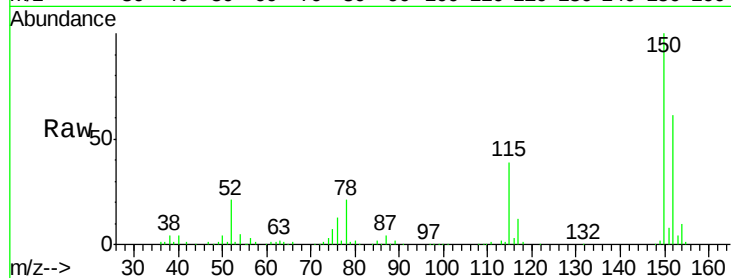




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 14.51 min Scan# 1329
 Delta R.T. -0.00 min
 Lab File: VD061474.D
 Acq: 1 Apr 2019 17:51

Instrument :
 MSVOA_D
 ClientSampleId :
 VOC-18

Tot Ion:152 Resp: 301348
 Ion Ratio Lower Upper
 152 100
 115 62.9 26.9 80.6
 150 162.9 0.0 318.0



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

