

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD040119\
 Data File : VD061478.D
 Acq On : 1 Apr 2019 19:42
 Operator : VA/AP
 Sample : K2174-01
 Misc : 6.08g/5ml/MSVOA D/SOIL
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 RBR200030

Quant Time: Apr 02 05:52:24 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

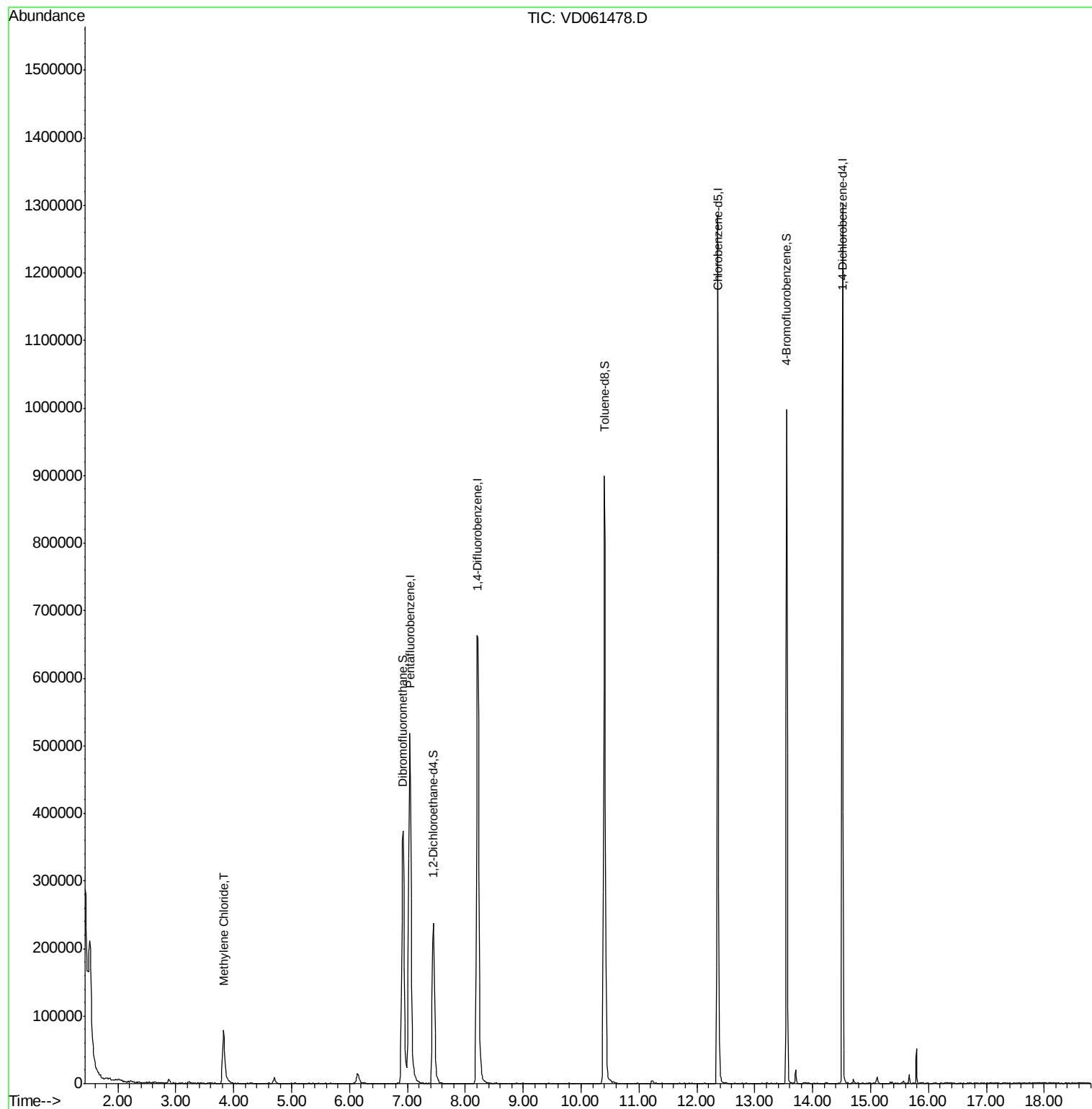
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.04	168	549325	50.00	ug/l	0.02
34) 1,4-Difluorobenzene	8.21	114	890656	50.00	ug/l	0.02
63) Chlorobenzene-d5	12.36	117	775345	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	14.51	152	299972	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	7.45	65	254911	54.32	ug/l	0.02
Spiked Amount 50.000			Recovery	=	108.64%	
35) Dibromofluoromethane	6.92	113	364832	53.60	ug/l	0.02
Spiked Amount 50.000			Recovery	=	107.20%	
50) Toluene-d8	10.40	98	776575	47.57	ug/l	0.02
Spiked Amount 50.000			Recovery	=	95.14%	
62) 4-Bromofluorobenzene	13.55	95	298007	47.61	ug/l	0.00
Spiked Amount 50.000			Recovery	=	95.22%	
Target Compounds						
20) Methylene Chloride	3.82	84	63554	7.784	ug/l	Qvalue 95

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

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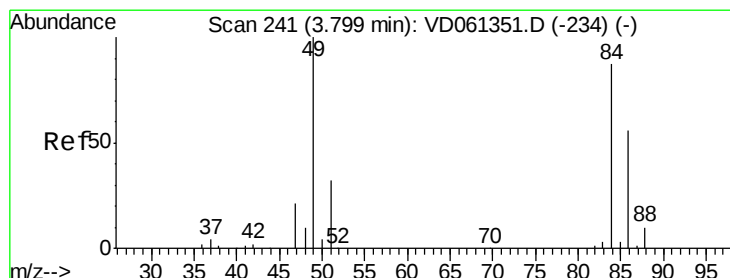
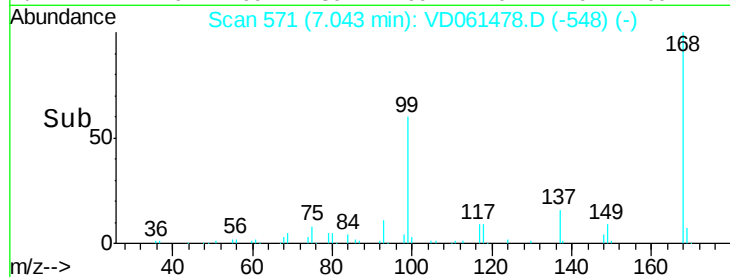
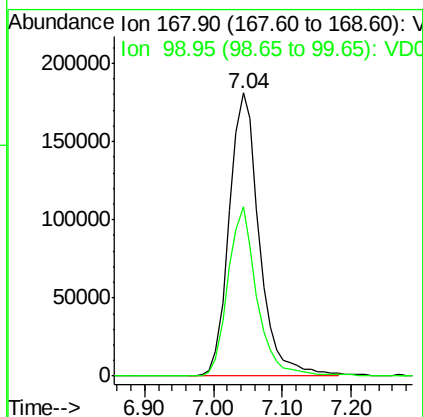
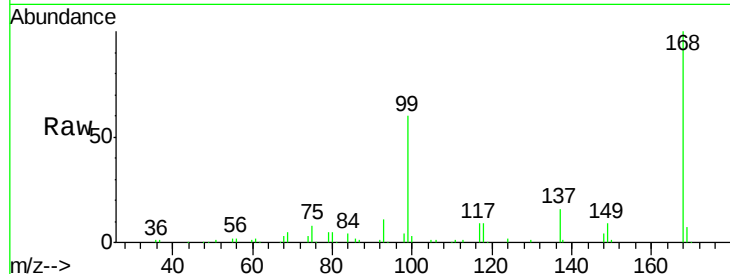




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.04 min Scan# 571
Delta R.T. 0.02 min
Lab File: VD061478.D
Acq: 1 Apr 2019 19:42

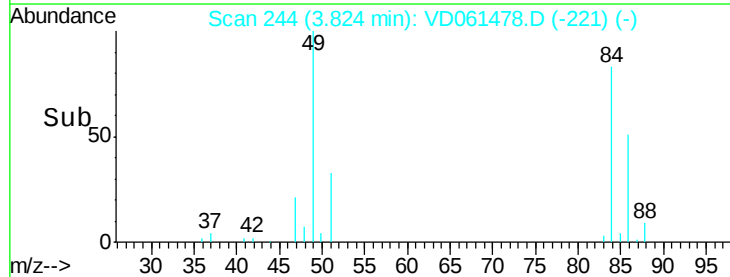
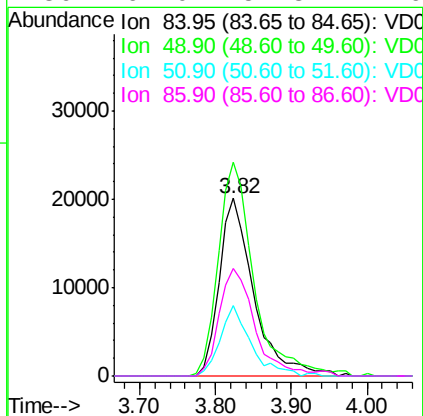
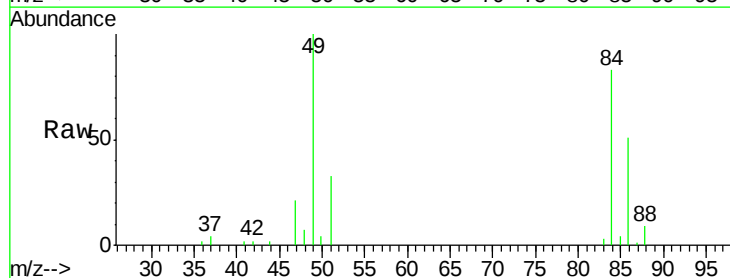
Instrument :
MSVOA_D
ClientSampleId :
RBR200030

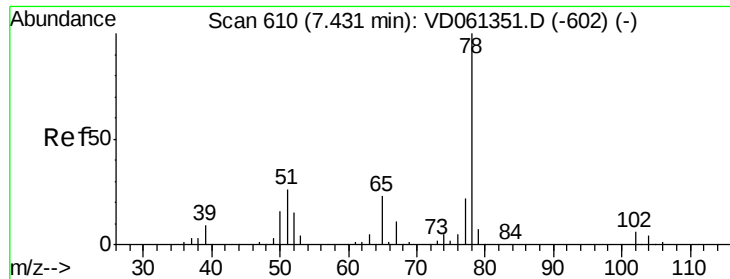
Tot Ion:168 Resp: 549325
Ion Ratio Lower Upper
168 100
99 59.8 43.1 64.7



#20
Methylene Chloride
Concen: 7.784 ug/l
RT: 3.82 min Scan# 244
Delta R.T. 0.02 min
Lab File: VD061478.D
Acq: 1 Apr 2019 19:42

Tgt Ion: 84 Resp: 63554
Ion Ratio Lower Upper
84 100
49 120.4 91.8 137.8
51 39.6 29.8 44.8
86 61.0 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: VD061478.D

Acq: 1 Apr 2019 19:42

Instrument :

MSVOA_D

ClientSampleId :

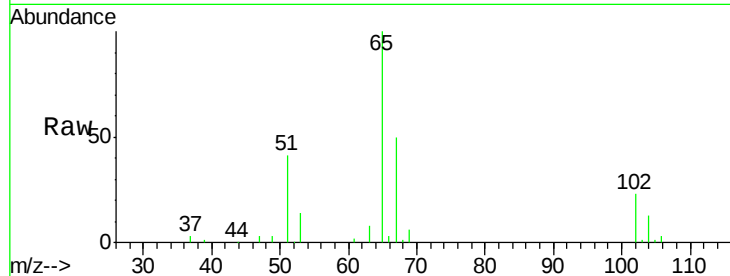
RBR200030

Tot Ion: 65 Resp: 254911

Ion Ratio Lower Upper

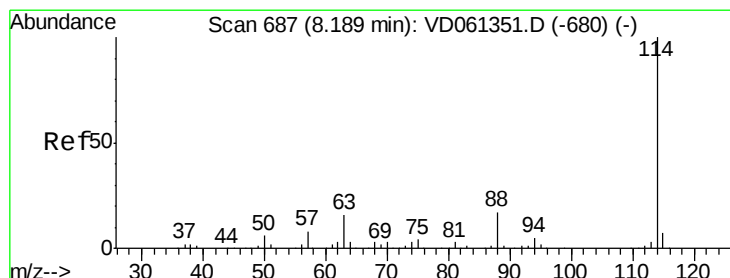
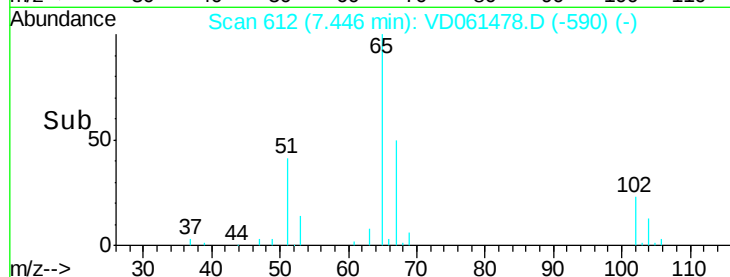
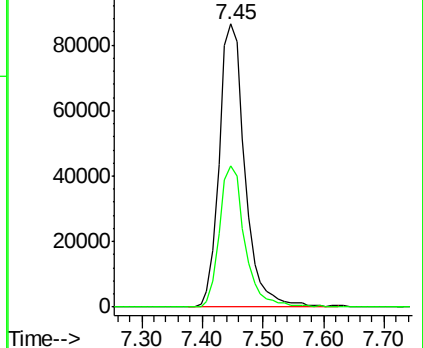
65 100

67 49.8 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: 8.21 min Scan# 690

Delta R.T. 0.02 min

Lab File: VD061478.D

Acq: 1 Apr 2019 19:42

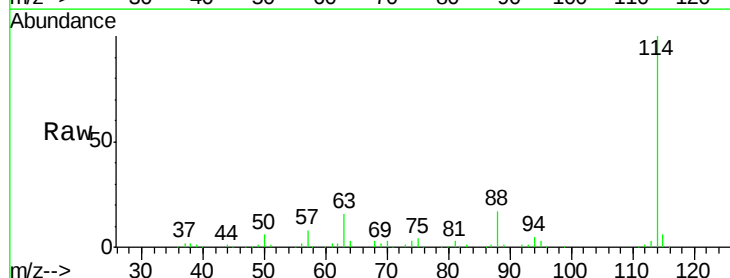
Tgt Ion: 114 Resp: 890656

Ion Ratio Lower Upper

114 100

63 16.3 0.0 31.6

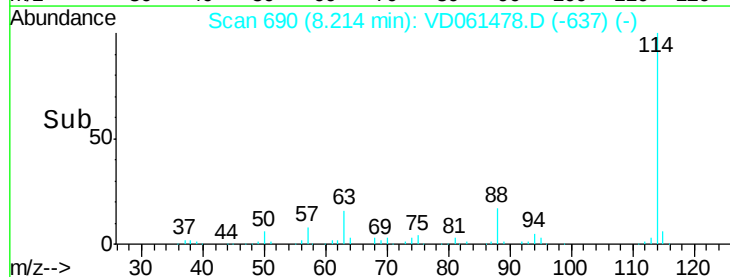
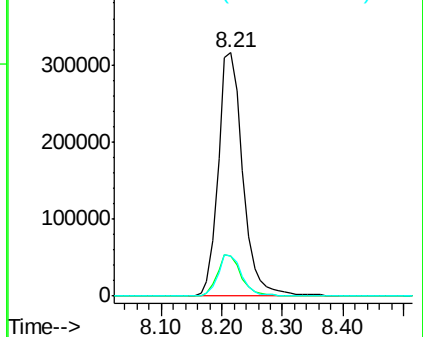
88 16.6 0.0 33.4

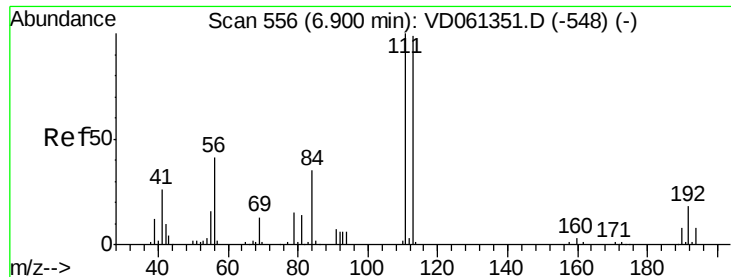


Abundance Ion 114.00 (113.70 to 114.70): V

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: 6.92 min Scan# 559

Delta R.T. 0.02 min

Lab File: VD061478.D

Acq: 1 Apr 2019 19:42

Instrument :

MSVOA_D

ClientSampleId :

RBR200030

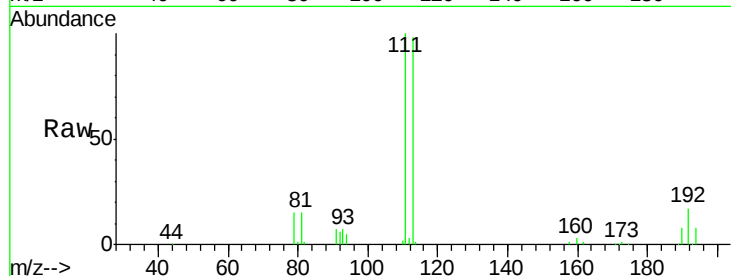
Tot Ion:113 Resp: 364832

Ion Ratio Lower Upper

113 100

111 102.0 81.0 121.6

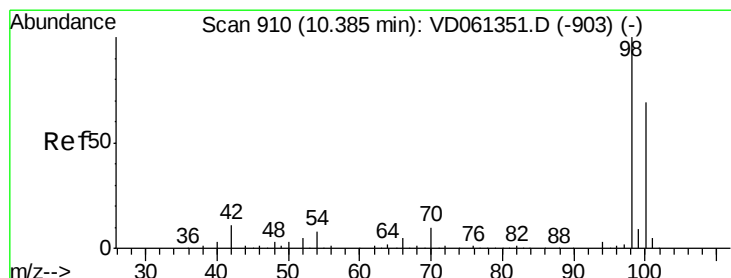
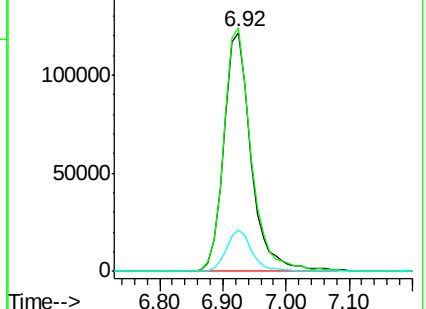
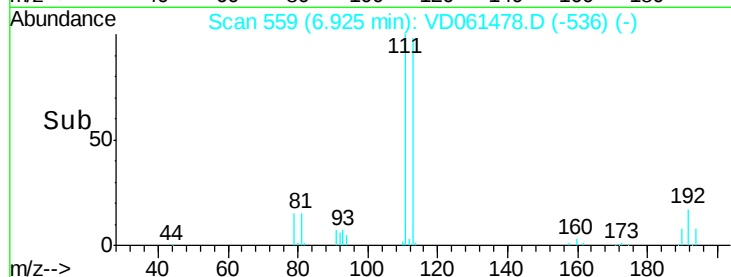
192 17.2 14.4 21.6



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: VD061478.D

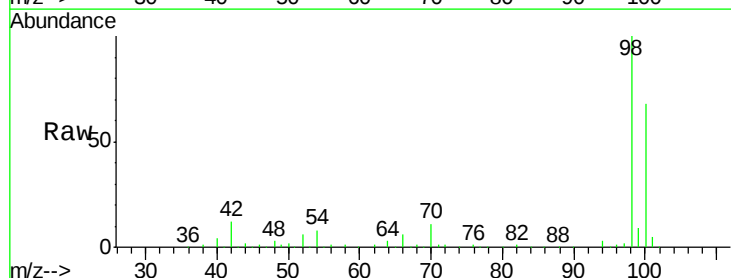
Acq: 1 Apr 2019 19:42

Tgt Ion: 98 Resp: 776575

Ion Ratio Lower Upper

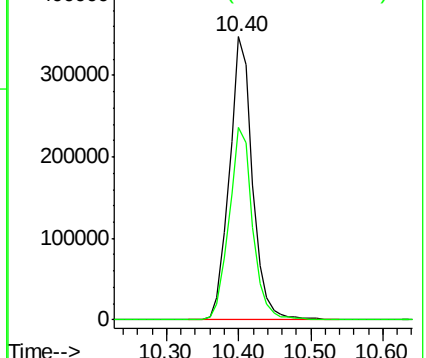
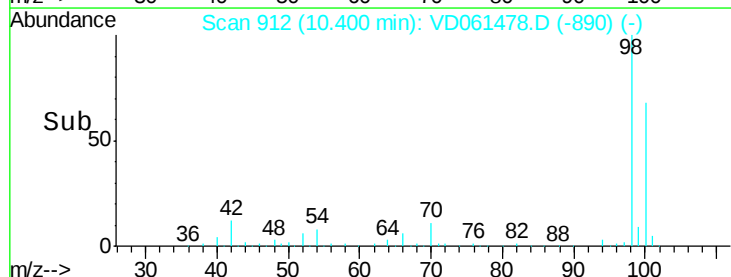
98 100

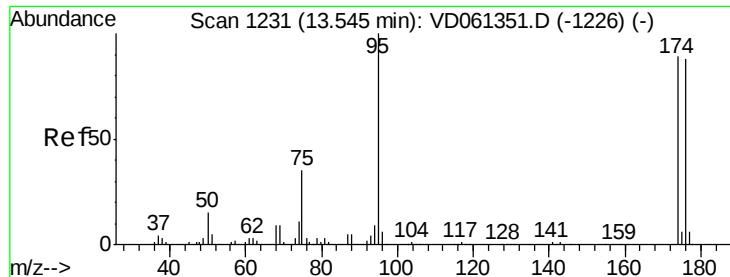
100 68.1 56.2 84.2



Abundance Ion 98.05 (97.75 to 98.75): V

Ion 100.05 (99.75 to 100.75): V

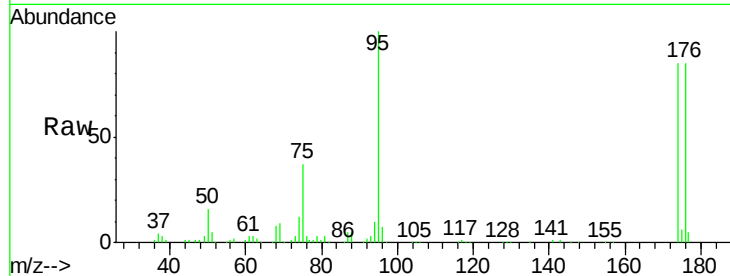




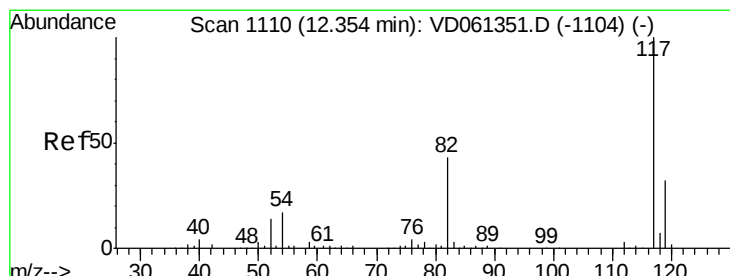
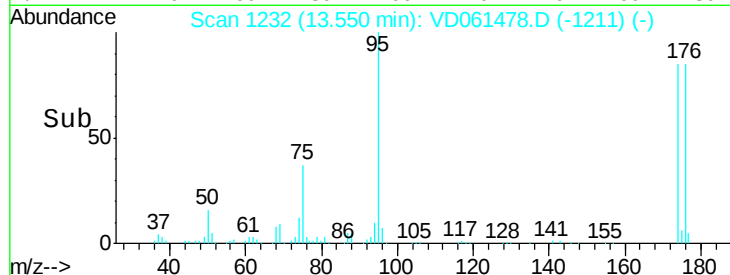
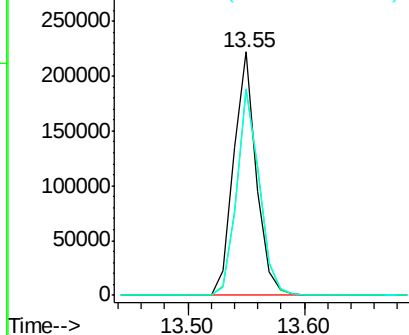
#62
4-Bromofluorobenzene
Concen: N.D. ug/l
RT: 13.55 min Scan# 1232
Delta R.T. 0.01 min
Lab File: VD061478.D
Acq: 1 Apr 2019 19:42

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Tot Ion: 95 Resp: 298007
Ion Ratio Lower Upper
95 100
174 84.6 0.0 178.0
176 84.6 0.0 175.0

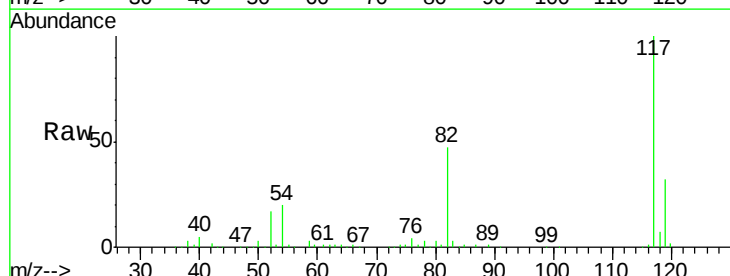


Abundance Ion 95.00 (94.70 to 95.70): V
Ion 173.90 (173.60 to 174.60): V
Ion 175.90 (175.60 to 176.60): V

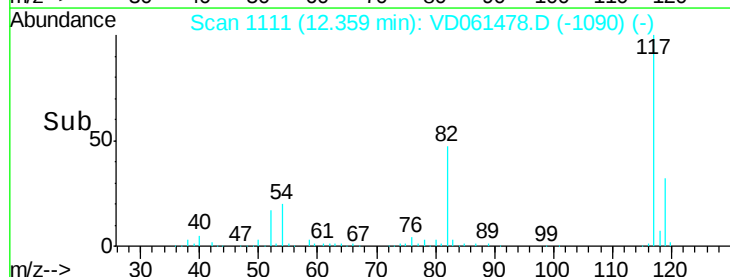
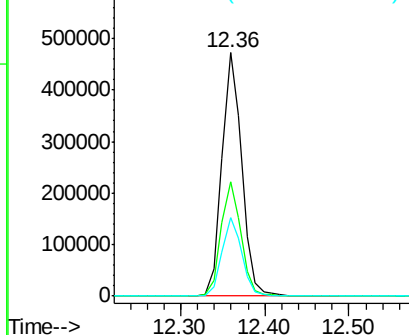


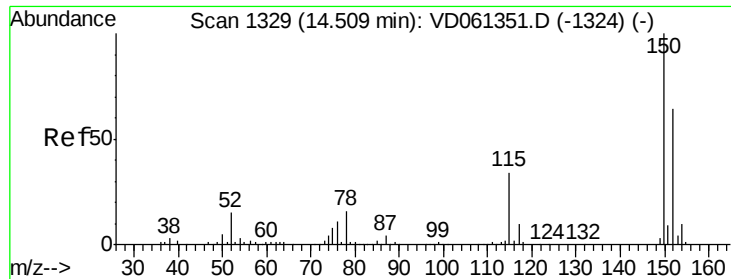
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 12.36 min Scan# 1111
Delta R.T. 0.01 min
Lab File: VD061478.D
Acq: 1 Apr 2019 19:42

Tgt Ion: 117 Resp: 775345
Ion Ratio Lower Upper
117 100
82 47.2 34.4 51.6
119 32.5 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# 1330

Delta R.T. 0.01 min

Lab File: VD061478.D

Acq: 1 Apr 2019 19:42

Instrument :

MSVOA_D

ClientSampleId :

RBR200030

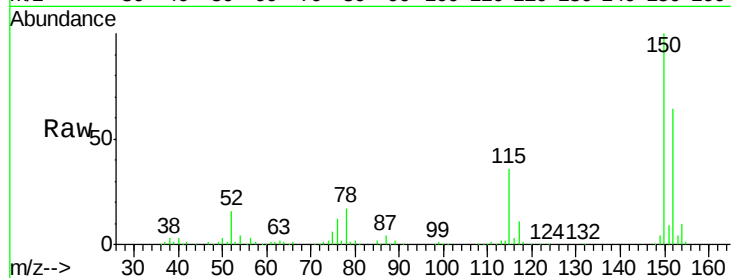
Tot Ion:152 Resp: 299972

Ion Ratio Lower Upper

152 100

115 56.2 26.9 80.6

150 155.4 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

