

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_D\DATA\VD031519\
 Data File : VD061088.D
 Acq On : 15 Mar 2019 15:46
 Operator : VA/AP
 Sample : K1901-06RE
 Misc : 3.00g/5ml/MSVOA_D/SOIL
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 SB-4(7-8)RE

Quant Time: Mar 16 06:25:38 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D030719S.M
 Quant Title : SW846 8260
 QLast Update : Fri Mar 08 02:35:39 2019
 Response via : Initial Calibration

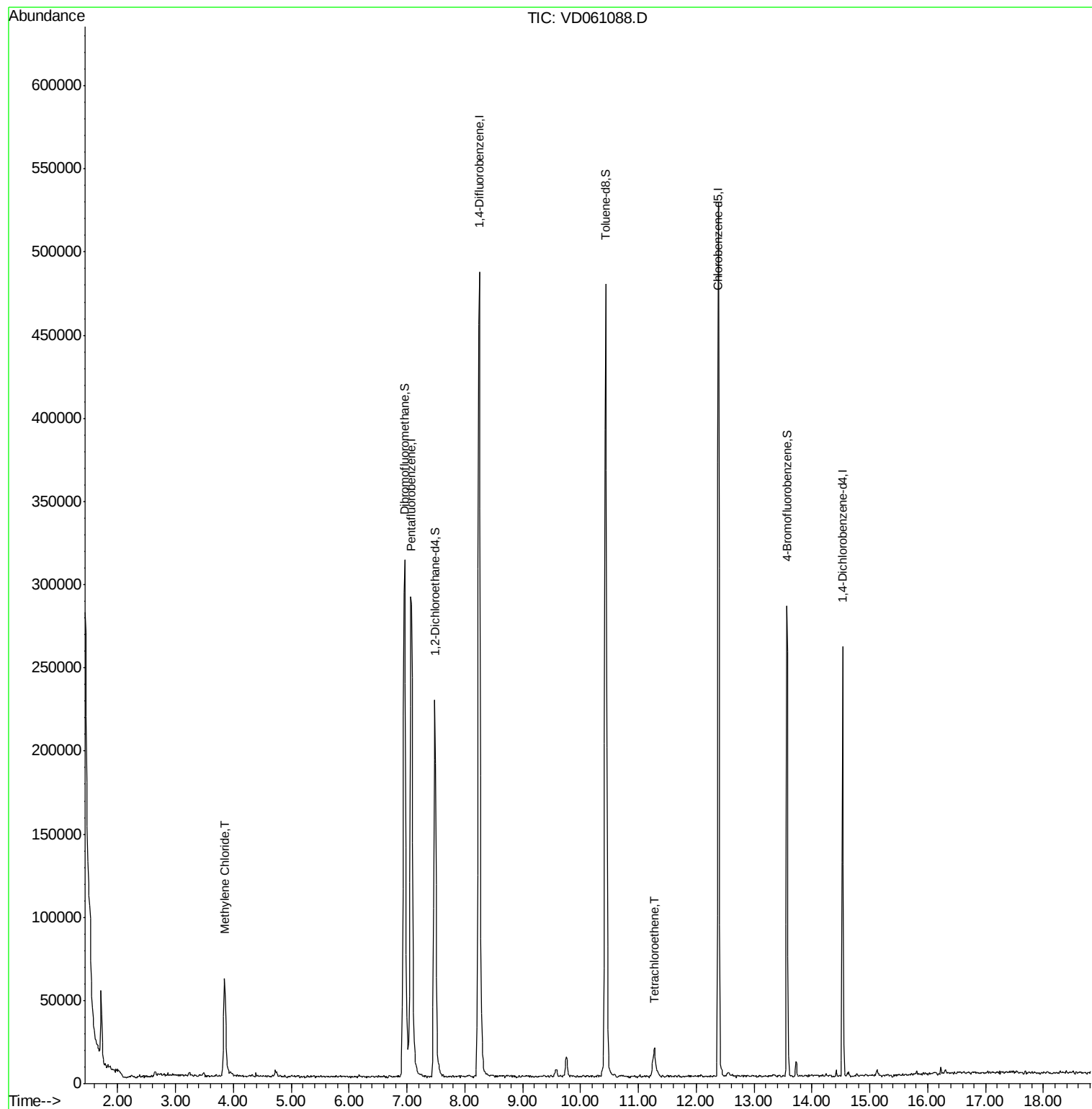
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.08	168	321497	50.00	ug/l	0.04
34) 1,4-Difluorobenzene	8.25	114	615045	50.00	ug/l	0.04
63) Chlorobenzene-d5	12.38	117	322535	50.00	ug/l	0.03
72) 1,4-Dichlorobenzene-d4	14.53	152	58280	50.00	ug/l	0.02
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	7.48	65	206771	77.27	ug/l	0.04
Spiked Amount 50.000			Recovery	=	154.54%	
35) Dibromofluoromethane	6.96	113	302208	66.21	ug/l	0.04
Spiked Amount 50.000			Recovery	=	132.42%	
50) Toluene-d8	10.43	98	430341	37.54	ug/l	0.04
Spiked Amount 50.000			Recovery	=	75.08%	
62) 4-Bromofluorobenzene	13.57	95	97801	21.99	ug/l	0.02
Spiked Amount 50.000			Recovery	=	43.98%	
Target Compounds						
20) Methylene Chloride	3.85	84	45463	9.226	ug/l	99
64) Tetrachloroethene	11.29	164	3709	1.704	ug/l #	63

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

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Quant Title : SW846 8260
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Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.08 min Scan# 574

Delta R.T. 0.04 min

Lab File: VD061088.D

Acq: 15 Mar 2019 15:46

Instrument :

MSVOA_D

ClientSampleId :

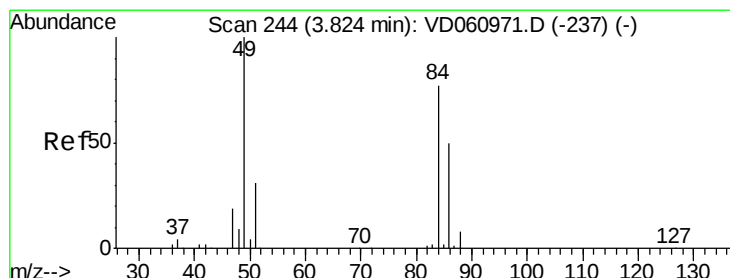
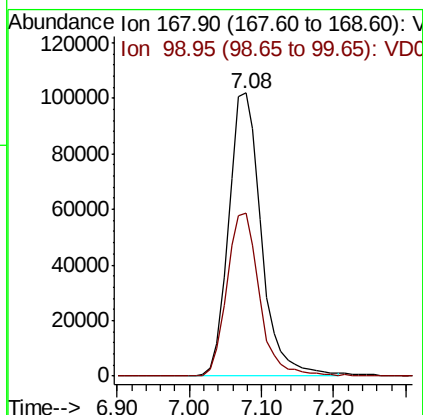
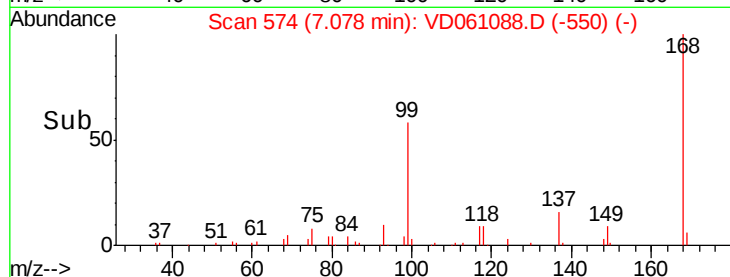
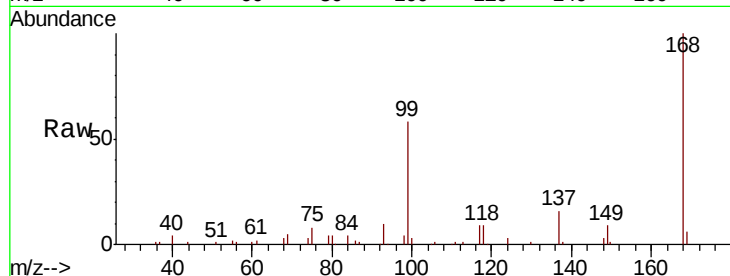
SB-4(7-8)RE

Tgt Ion:168 Resp: 321497

Ion Ratio Lower Upper

168 100

99 57.7 47.3 70.9



#20

Methylene Chloride

Concen: 9.226 ug/l

RT: 3.85 min Scan# 246

Delta R.T. 0.03 min

Lab File: VD061088.D

Acq: 15 Mar 2019 15:46

Tgt Ion: 84 Resp: 45463

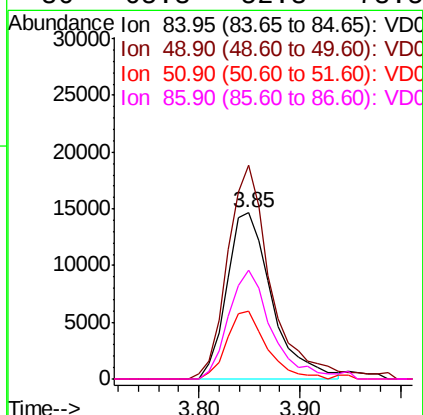
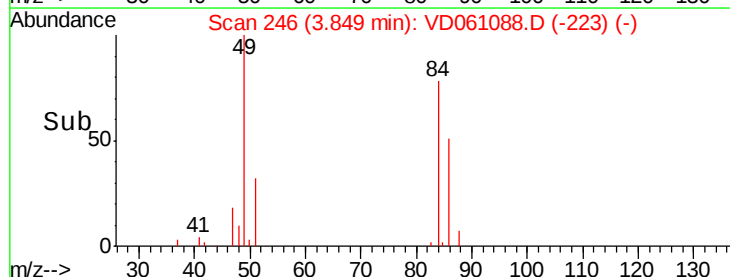
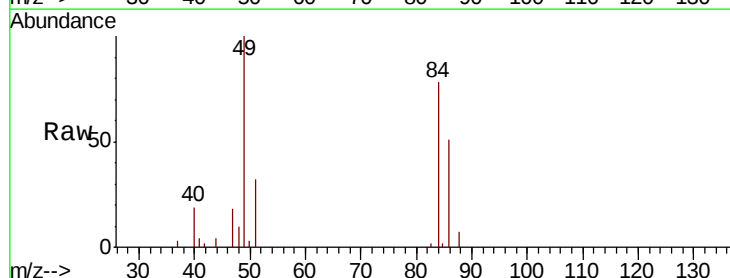
Ion Ratio Lower Upper

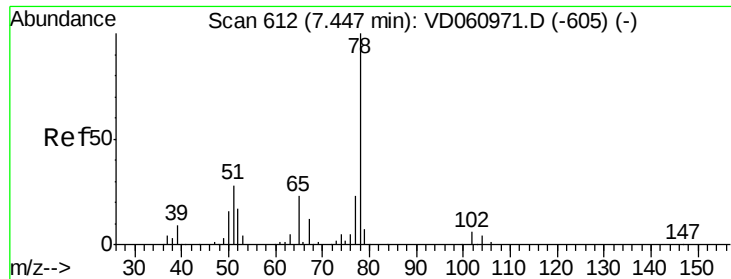
84 100

49 128.5 104.2 156.2

51 41.1 32.3 48.5

86 65.3 52.3 78.5





#33

1,2-Dichloroethane-d4

Concen: N.D. ug/l

RT: 7.48 min Scan# 615

Delta R.T. 0.04 min

Lab File: VD061088.D

Acq: 15 Mar 2019 15:46

Instrument :

MSVOA_D

ClientSampleId :

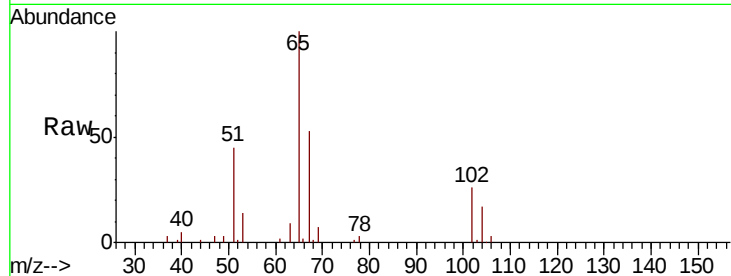
SB-4(7-8)RE

Tgt Ion: 65 Resp: 206771

Ion Ratio Lower Upper

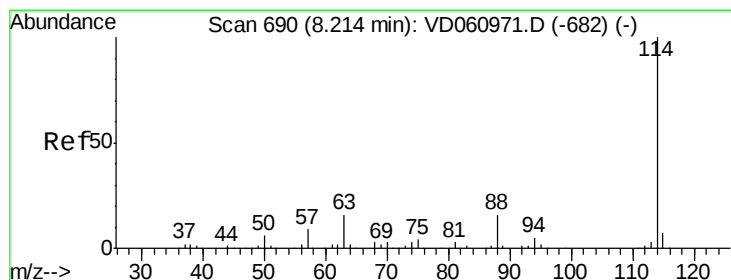
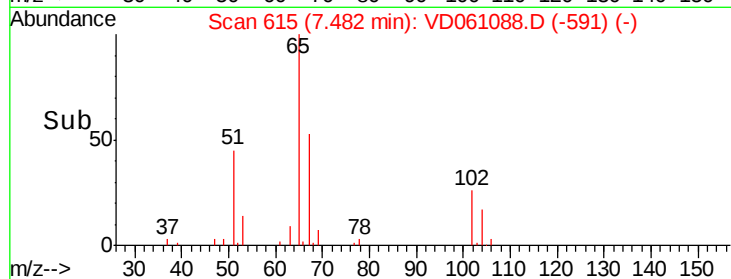
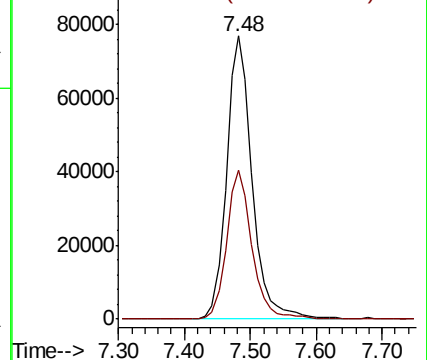
65 100

67 52.7 0.0 105.2



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: 8.25 min Scan# 693

Delta R.T. 0.04 min

Lab File: VD061088.D

Acq: 15 Mar 2019 15:46

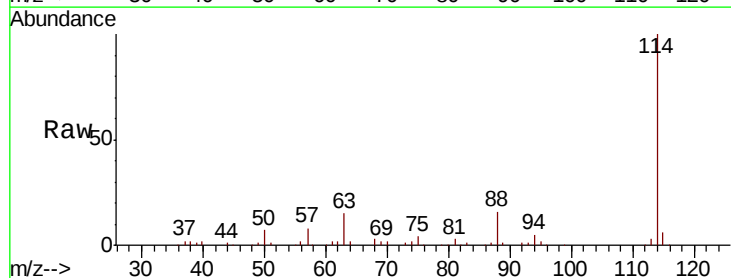
Tgt Ion: 114 Resp: 615045

Ion Ratio Lower Upper

114 100

63 15.0 0.0 31.4

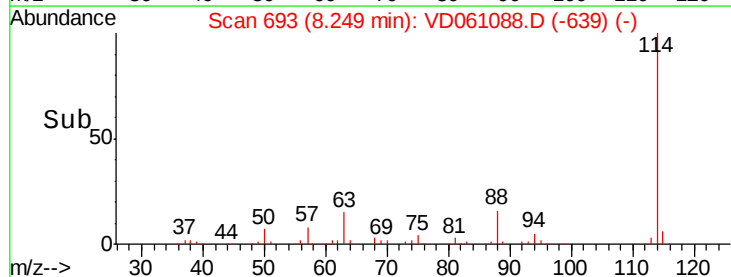
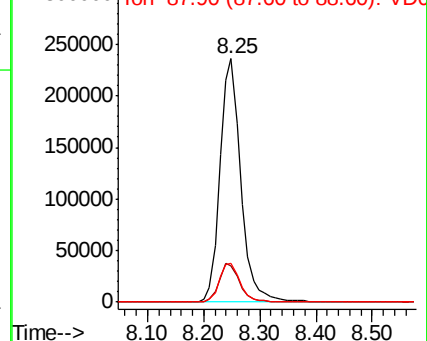
88 16.0 0.0 33.0

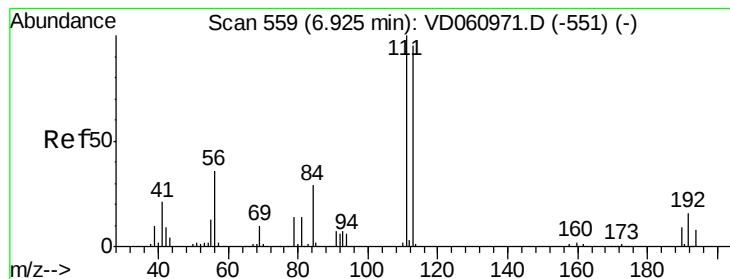


Abundance Ion 114.00 (113.70 to 114.70): VDC

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: 6.96 min Scan# 562

Delta R.T. 0.04 min

Lab File: VD061088.D

Acq: 15 Mar 2019 15:46

Instrument :

MSVOA_D

ClientSampleId :

SB-4(7-8)RE

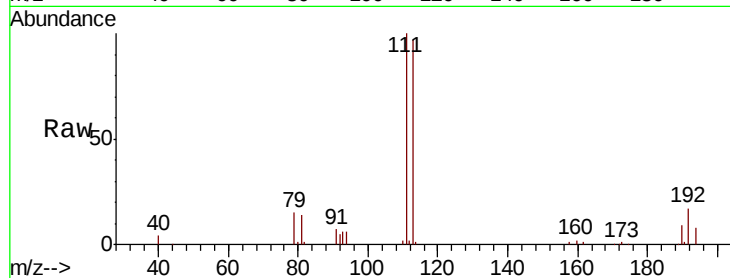
Tgt Ion:113 Resp: 302208

Ion Ratio Lower Upper

113 100

111 103.2 84.2 126.4

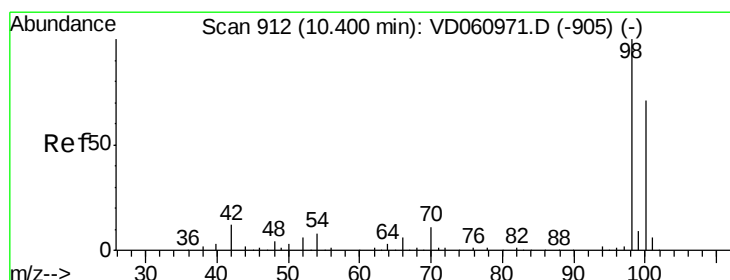
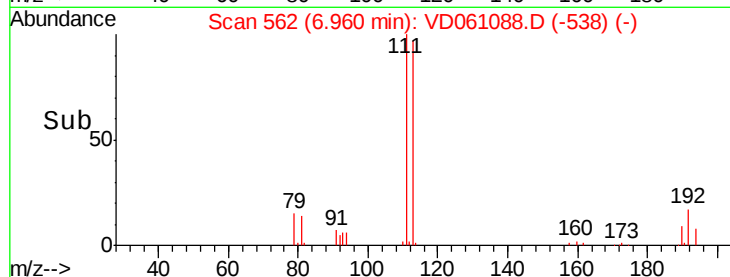
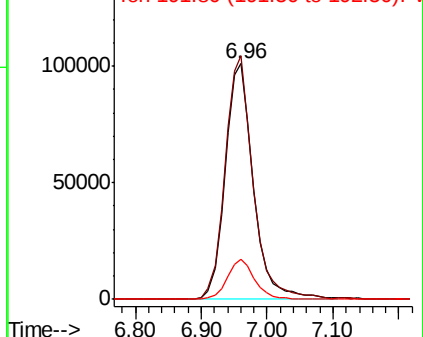
192 17.1 13.1 19.7



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. 0.04 min

Lab File: VD061088.D

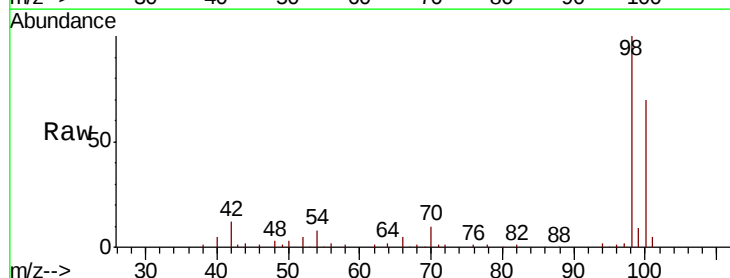
Acq: 15 Mar 2019 15:46

Tgt Ion: 98 Resp: 430341

Ion Ratio Lower Upper

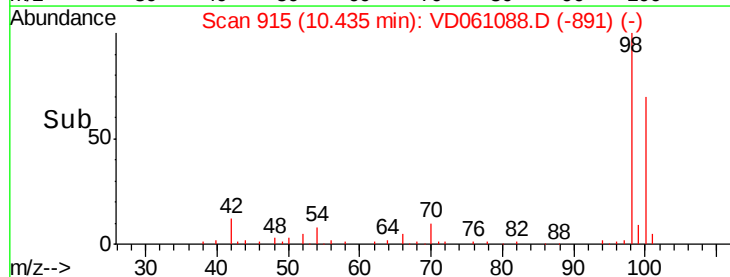
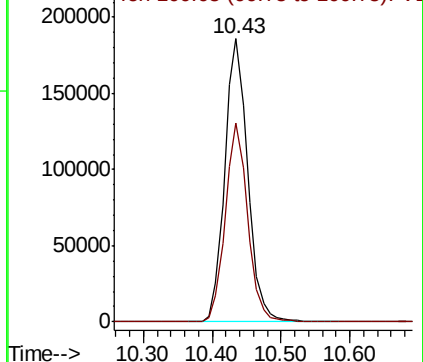
98 100

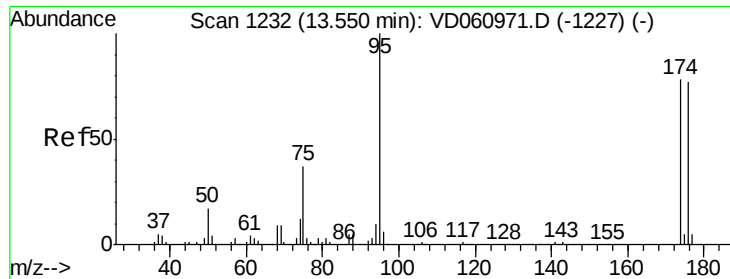
100 70.3 57.4 86.2



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: 13.57 min Scan# 1233

Delta R.T. 0.02 min

Lab File: VD061088.D

Acq: 15 Mar 2019 15:46

Instrument :

MSVOA_D

ClientSampleId :

SB-4(7-8)RE

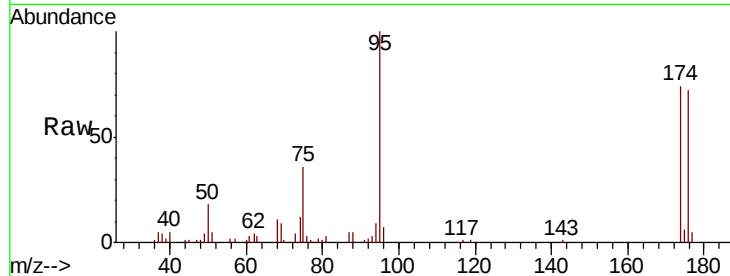
Tgt Ion: 95 Resp: 97801

Ion Ratio Lower Upper

95 100

174 74.1 0.0 155.6

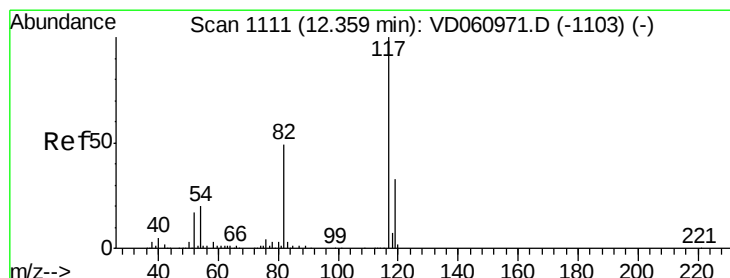
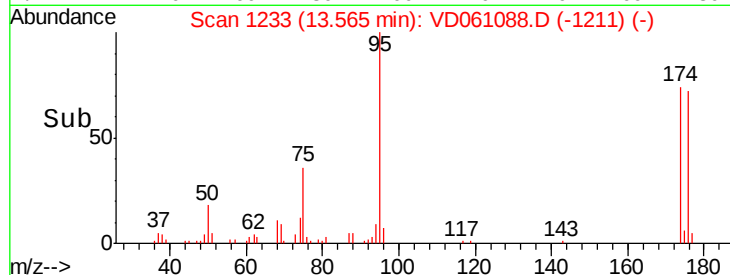
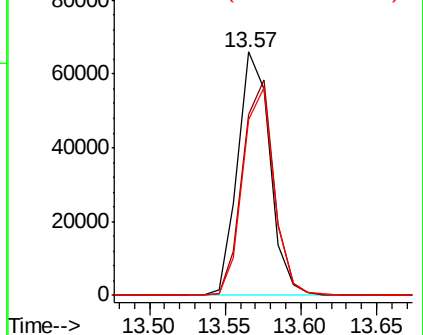
176 72.1 0.0 153.8



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. 0.03 min

Lab File: VD061088.D

Acq: 15 Mar 2019 15:46

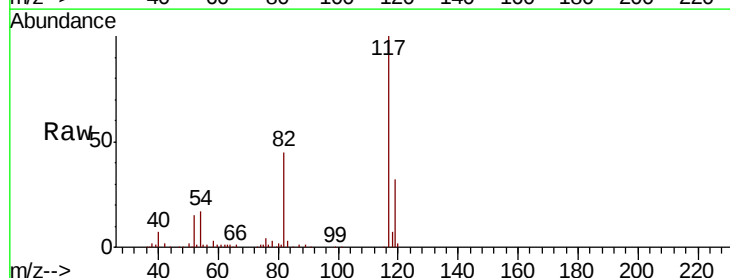
Tgt Ion: 117 Resp: 322535

Ion Ratio Lower Upper

117 100

82 45.2 38.9 58.3

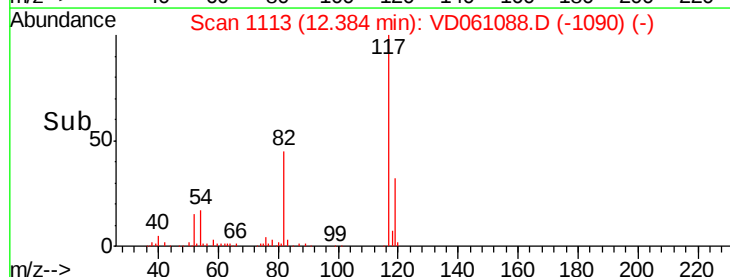
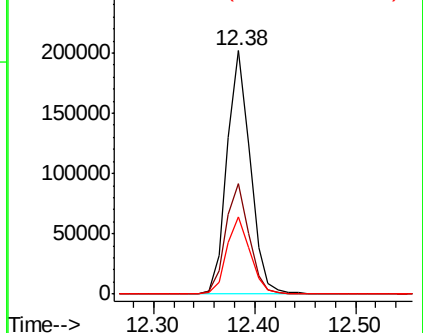
119 31.5 26.6 39.8

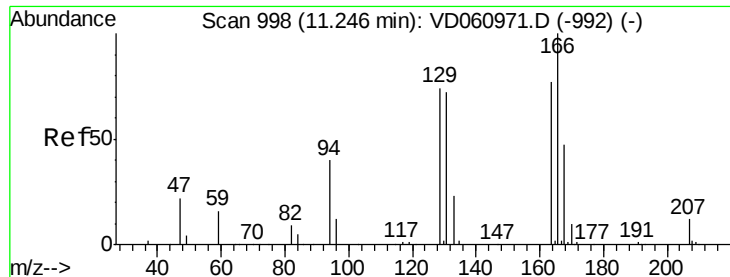


Abundance Ion 116.95 (116.65 to 117.65): V

Ion 82.05 (81.75 to 82.75): V

Ion 118.95 (118.65 to 119.65): V





#64

Tetrachloroethene

Concen: 1.704 ug/l

RT: 11.29 min Scan# 1002

Delta R.T. 0.04 min

Lab File: VD061088.D

Acq: 15 Mar 2019 15:46

Instrument :

MSVOA_D

ClientSampleId :

SB-4(7-8)RE

Tgt Ion:164 Resp: 3709

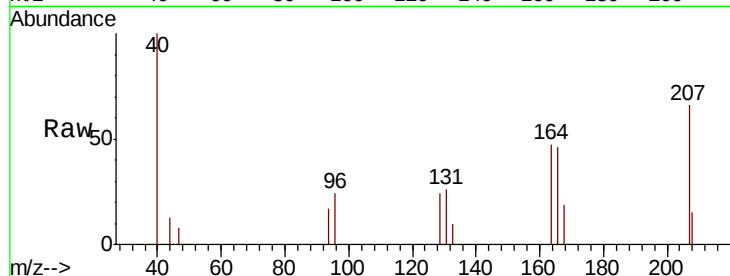
Ion Ratio Lower Upper

164 100

166 97.6 103.4 155.0#

129 49.7 76.9 115.3#

131 54.9 74.4 111.6#



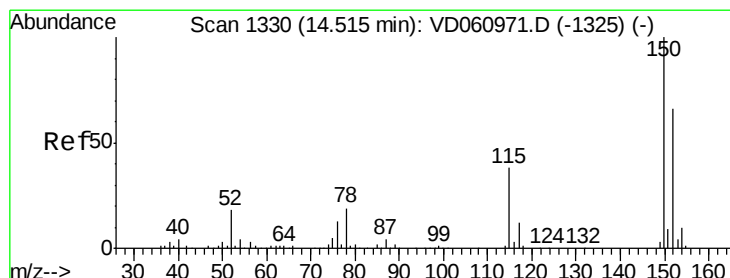
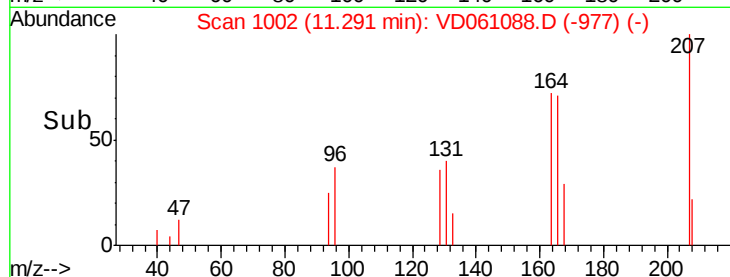
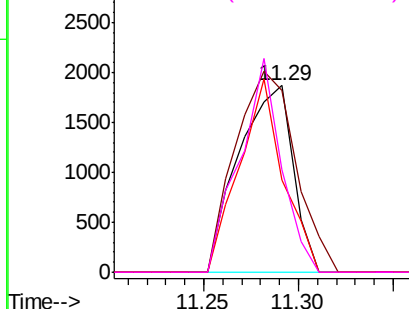
Abundance

Ion 163.85 (163.55 to 164.55): V

Ion 165.85 (165.55 to 166.55): V

Ion 128.80 (128.50 to 129.50): V

Ion 130.80 (130.50 to 131.50): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 14.53 min Scan# 1331

Delta R.T. 0.02 min

Lab File: VD061088.D

Acq: 15 Mar 2019 15:46

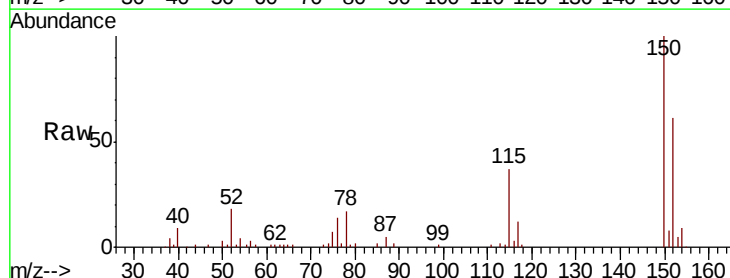
Tgt Ion:152 Resp: 58280

Ion Ratio Lower Upper

152 100

115 60.6 28.6 85.9

150 162.9 0.0 310.6



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

