

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD031919\
 Data File : VD061188.D
 Acq On : 19 Mar 2019 16:39
 Operator : VA/AP
 Sample : K1935-01
 Misc : 3.09g/5ml/MSVOA D/SOIL
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 SB-17(0.5-1.5)

Quant Time: Mar 20 02:06:54 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

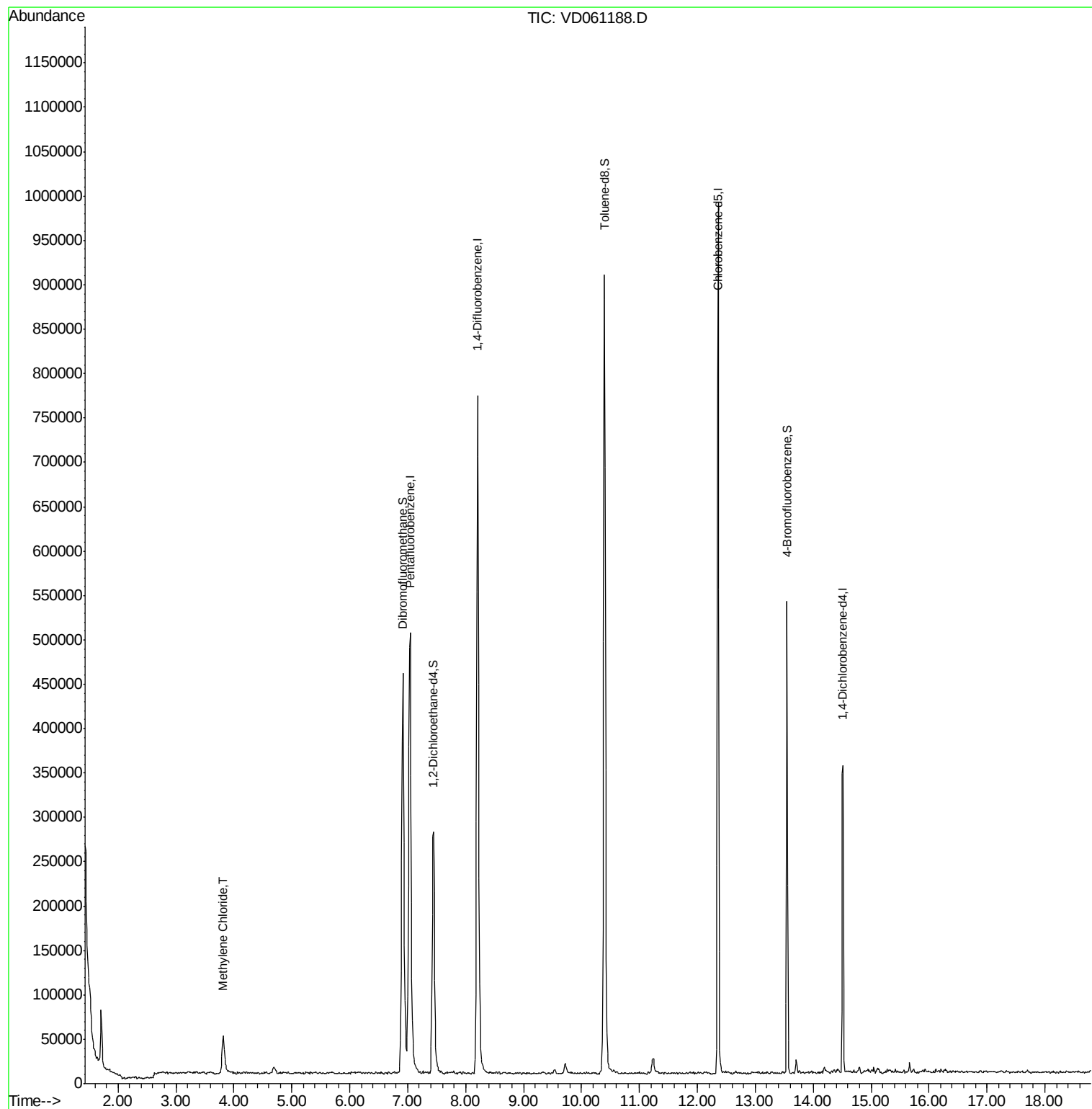
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.04	168	529192	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.20	114	954777	50.00	ug/l	-0.01
63) Chlorobenzene-d5	12.36	117	625219	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	14.51	152	92538	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	7.45	65	272272	61.81	ug/l	0.00
Spiked Amount 50.000			Recovery	=	123.62%	
35) Dibromofluoromethane	6.91	113	444019	62.66	ug/l	-0.01
Spiked Amount 50.000			Recovery	=	125.32%	
50) Toluene-d8	10.40	98	854769	48.04	ug/l	0.00
Spiked Amount 50.000			Recovery	=	96.08%	
62) 4-Bromofluorobenzene	13.55	95	169471	24.55	ug/l	0.00
Spiked Amount 50.000			Recovery	=	49.10%	
Target Compounds						
20) Methylene Chloride	3.81	84	34519	1.485	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: 7.04 min Scan# 571

Delta R.T. -0.00 min

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Instrument :

MSVOA_D

ClientSampleId :

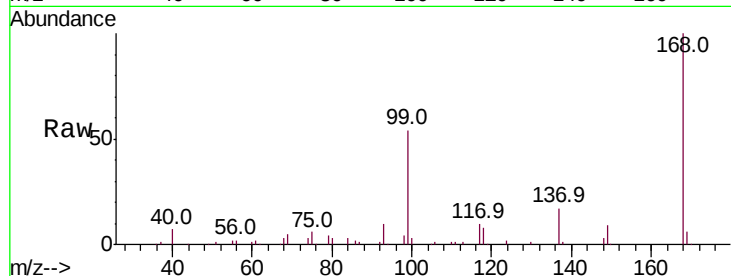
SB-17(0.5-1.5)

Tot Ion:168 Resp: 529192

Ion Ratio Lower Upper

168 100

99 54.4 47.3 70.9



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.95 (98.65 to 99.65): VDC

7.04

200000

150000

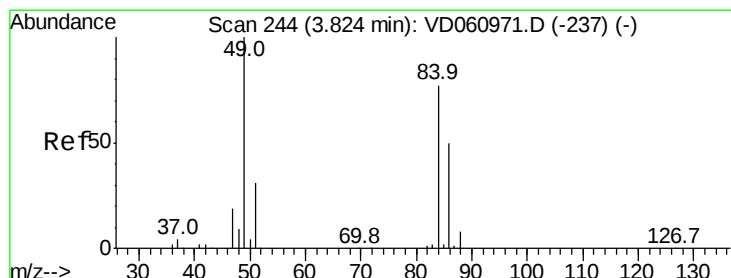
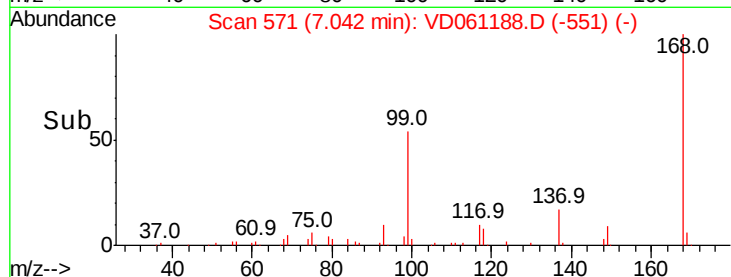
100000

50000

0

Time-->

6.90 7.00 7.10 7.20



#20

Methylene Chloride

Concen: 1.485 ug/l

RT: 3.81 min Scan# 243

Delta R.T. -0.01 min

Lab File: VD061188.D

Acq: 19 Mar 2019 16:39

Tgt Ion: 84 Resp: 34519

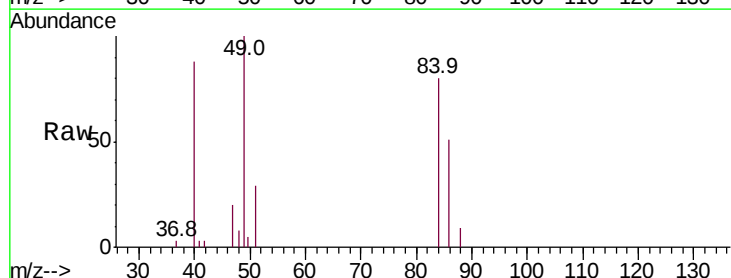
Ion Ratio Lower Upper

84 100

49 124.7 104.2 156.2

51 35.8 32.3 48.5

86 63.9 52.3 78.5



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

20000

15000

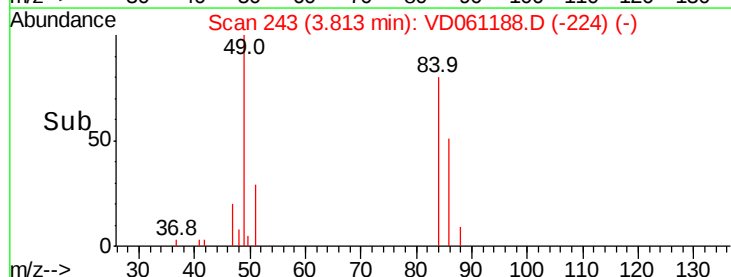
10000

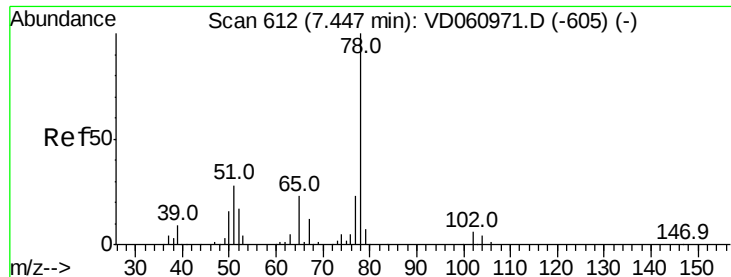
5000

0

Time-->

3.70 3.80 3.90 4.00





#33

1,2-Dichloroethane-d4

Concen: N.D. ug/l

RT: 7.45 min Scan# 612

Delta R.T. -0.00 min

Lab File: VD061188.D

Acq: 19 Mar 2019 16:39

Instrument :

MSVOA_D

ClientSampleId :

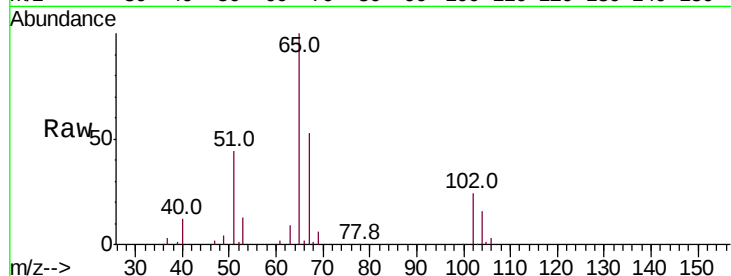
SB-17(0.5-1.5)

Tot Ion: 65 Resp: 272272

Ion Ratio Lower Upper

65 100

67 52.6 0.0 105.2



Abundance Ion 64.95 (64.65 to 65.65): VDC

Ion 66.90 (66.60 to 67.60): VDC

7.45

100000

80000

60000

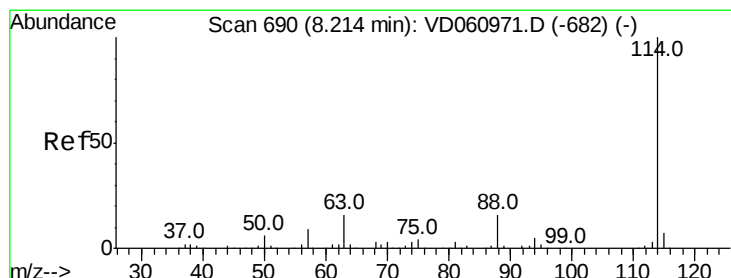
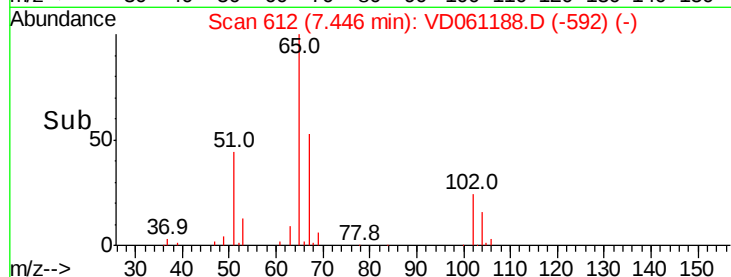
40000

20000

0

Time-->

7.30 7.40 7.50 7.60



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.20 min Scan# 689

Delta R.T. -0.01 min

Lab File: VD061188.D

Acq: 19 Mar 2019 16:39

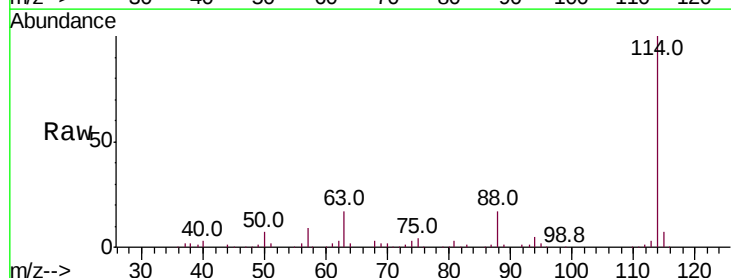
Tgt Ion:114 Resp: 954777

Ion Ratio Lower Upper

114 100

63 17.2 0.0 31.4

88 17.4 0.0 33.0



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

500000

400000

300000

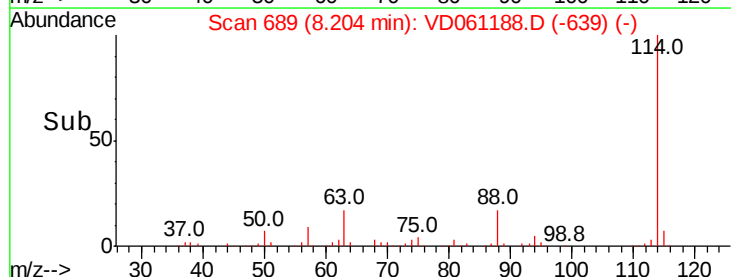
200000

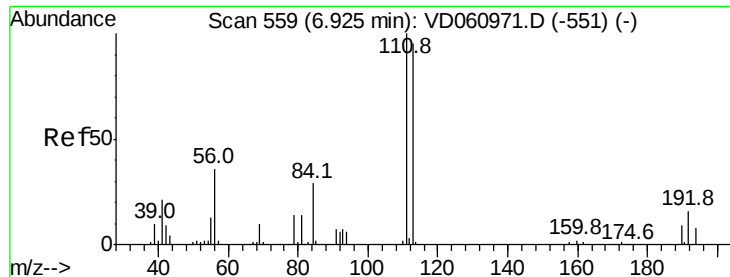
100000

0

Time-->

8.00 8.20 8.40 8.60





#35

Dibromofluoromethane

Concen: 50.000 ug/l

RT: 6.91 min Scan# 558

Delta R.T. -0.01 min

Lab File: VD061188.D

Acq: 19 Mar 2019 16:39

Instrument :

MSVOA_D

ClientSampleId :

SB-17(0.5-1.5)

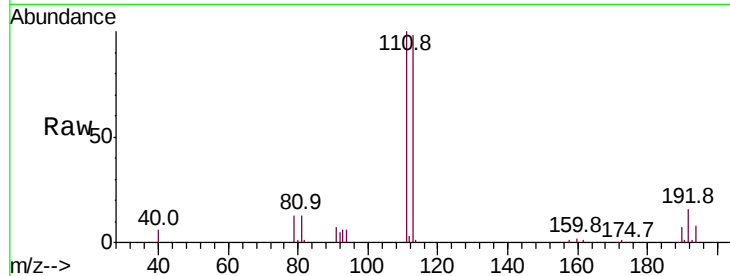
Tot Ion:113 Resp: 444019

Ion Ratio Lower Upper

113 100

111 102.2 84.2 126.4

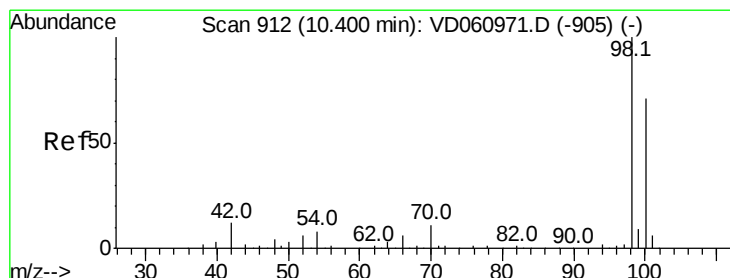
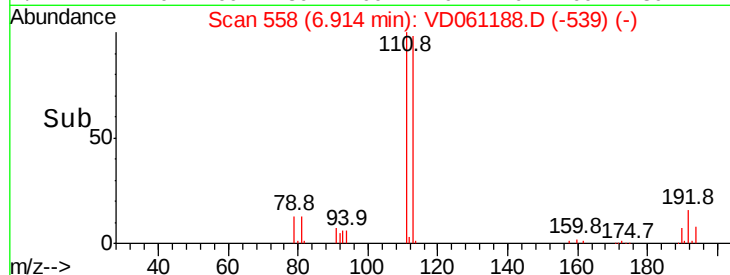
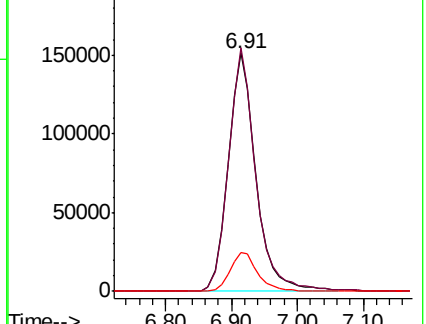
192 16.5 13.1 19.7



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: 10.40 min Scan# 912

Delta R.T. -0.00 min

Lab File: VD061188.D

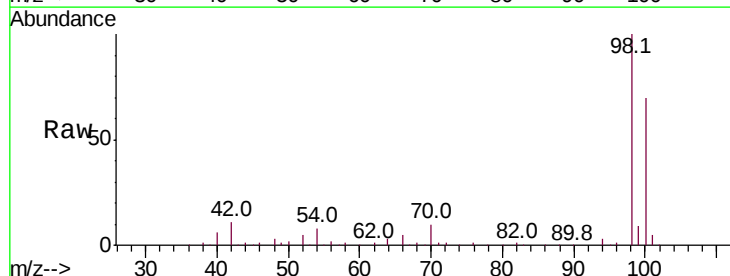
Acq: 19 Mar 2019 16:39

Tgt Ion: 98 Resp: 854769

Ion Ratio Lower Upper

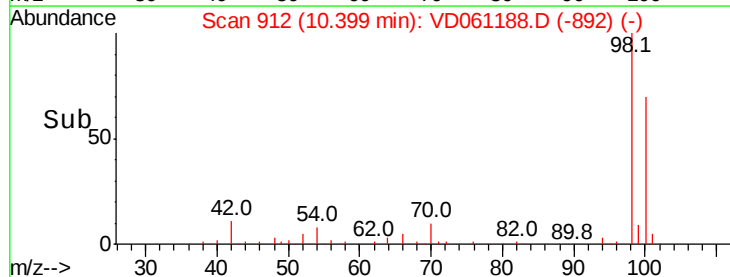
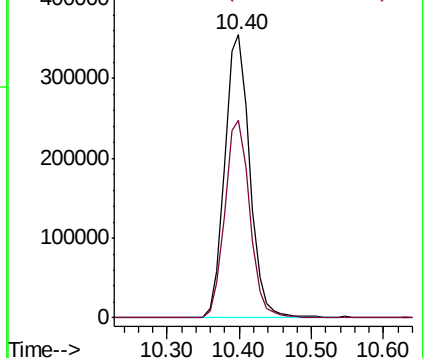
98 100

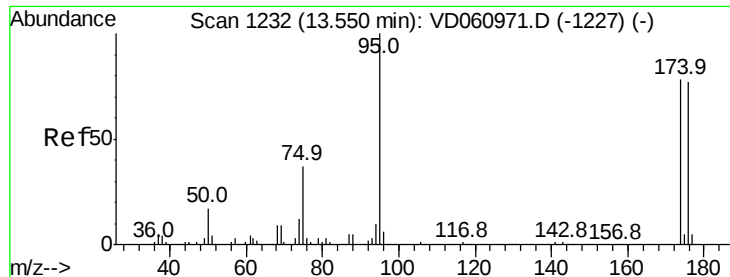
100 69.9 57.4 86.2



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: 13.55 min Scan# 1232

Delta R.T. -0.00 min

Lab File: VD061188.D

Acq: 19 Mar 2019 16:39

Instrument :

MSVOA_D

ClientSampleId :

SB-17(0.5-1.5)

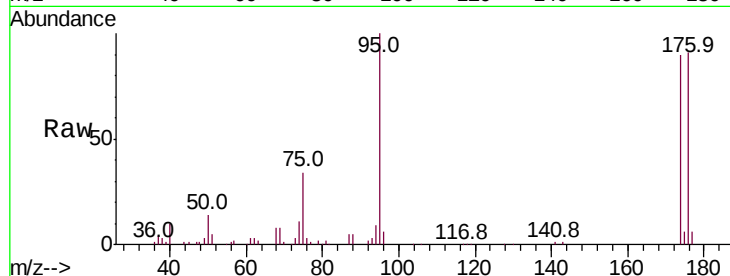
Tot Ion: 95 Resp: 169471

Ion Ratio Lower Upper

95 100

174 90.0 0.0 155.6

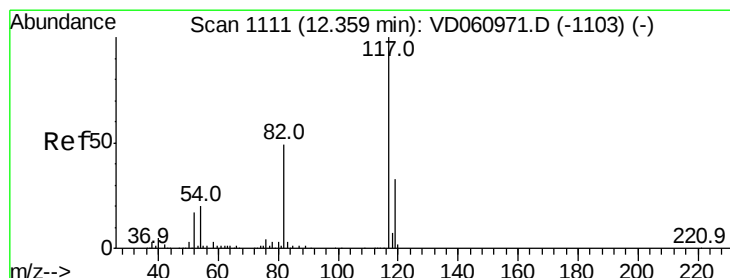
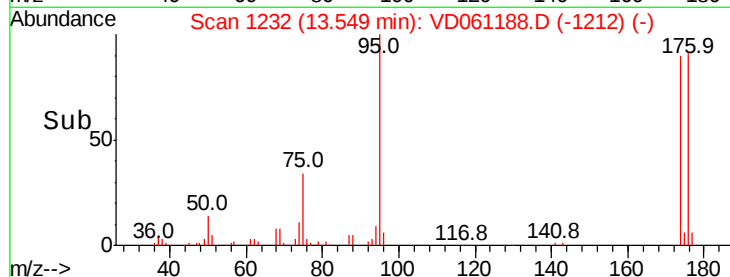
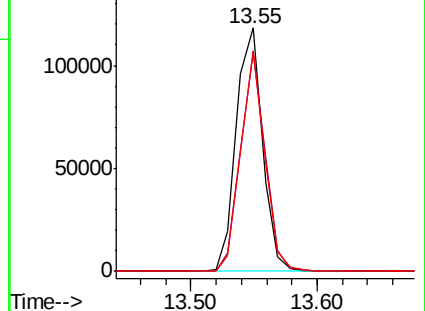
176 90.6 0.0 153.8



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: 12.36 min Scan# 1111

Delta R.T. -0.00 min

Lab File: VD061188.D

Acq: 19 Mar 2019 16:39

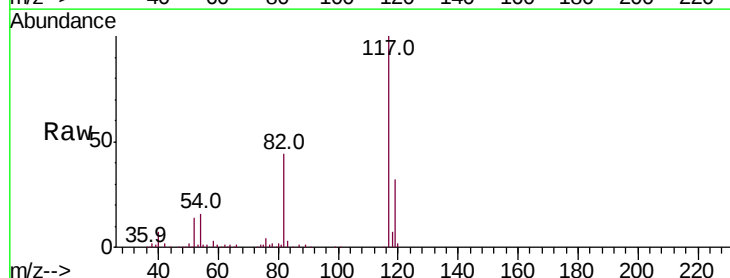
Tgt Ion: 117 Resp: 625219

Ion Ratio Lower Upper

117 100

82 44.3 38.9 58.3

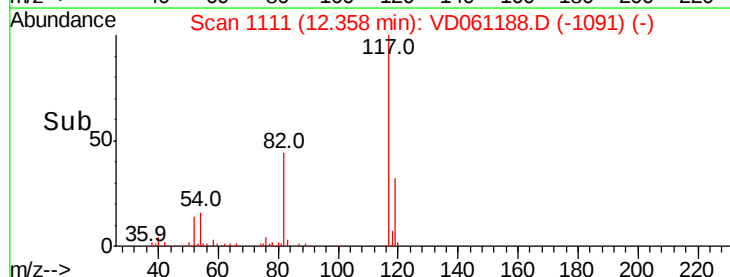
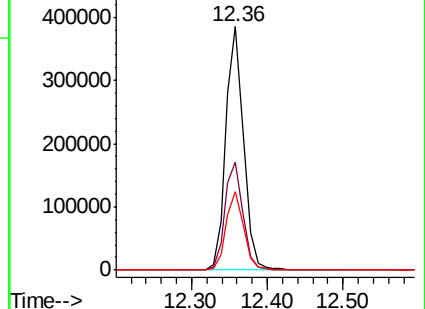
119 32.0 26.6 39.8

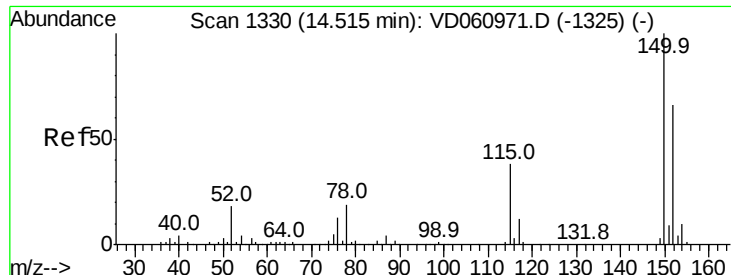


Abundance Ion 116.95 (116.65 to 117.65): V

Ion 82.05 (81.75 to 82.75): V

Ion 118.95 (118.65 to 119.65): V





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 14.51 min Scan# 1330

Delta R.T. -0.00 min

Lab File: VD061188.D

Acq: 19 Mar 2019 16:39

Instrument :

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ClientSampleId :

SB-17(0.5-1.5)

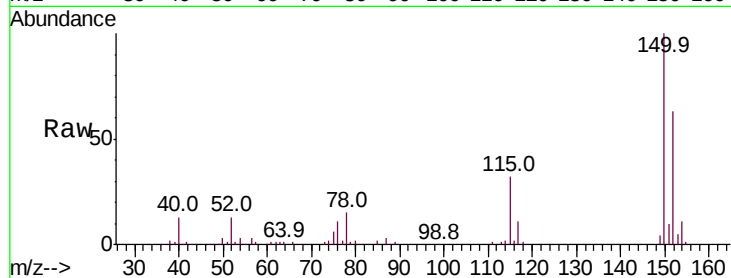
Tot Ion:152 Resp: 92538

Ion Ratio Lower Upper

152 100

115 51.4 28.6 85.9

150 158.7 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

