

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD031819\
 Data File : VD061144.D
 Acq On : 18 Mar 2019 14:42
 Operator : VA/AP
 Sample : K1685-05
 Misc : 7.59g/5ml/MSVOA D/SOIL
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 AU-05-031419-C

Quant Time: Mar 19 04:05:05 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

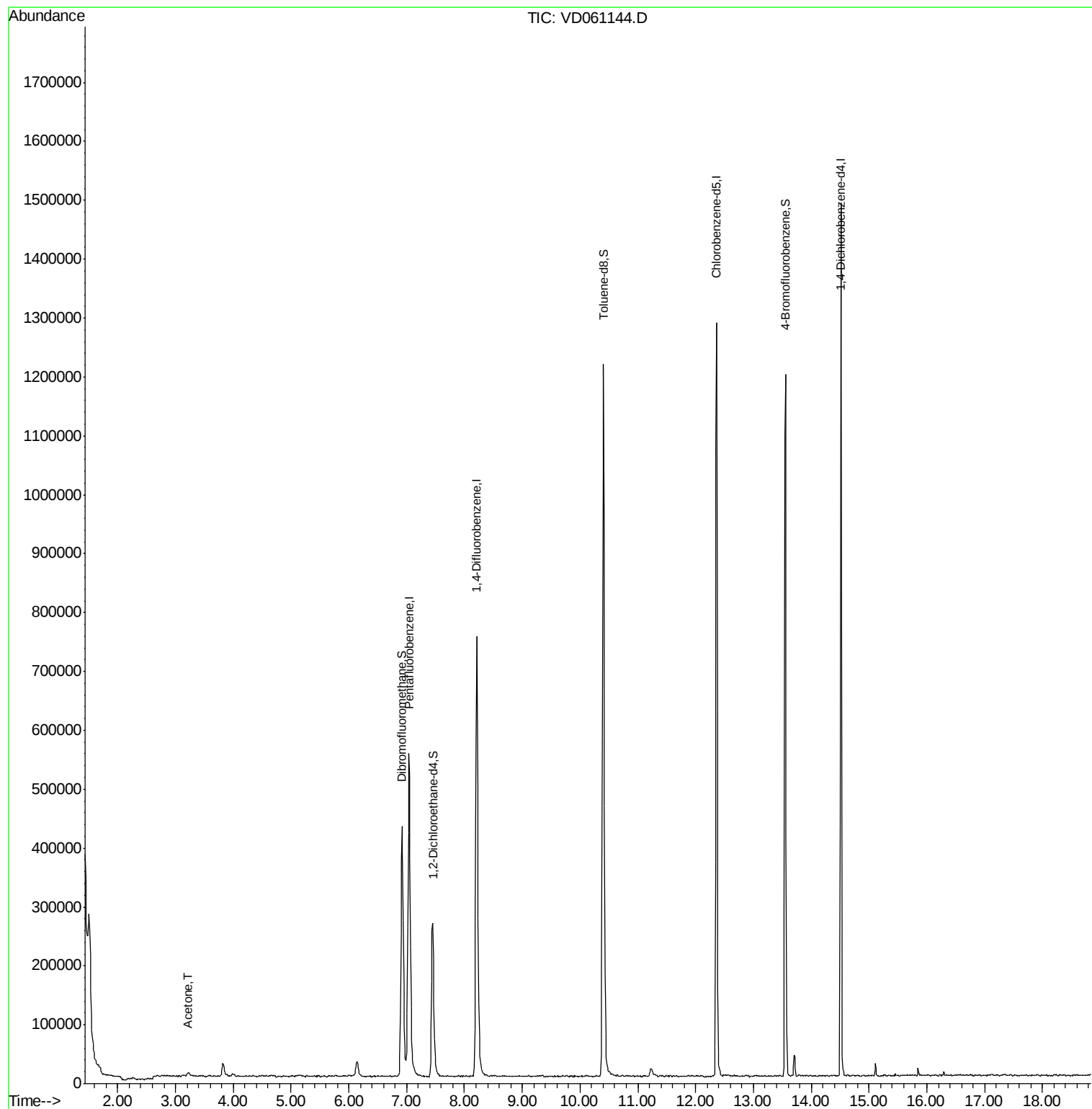
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.04	168	585244	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.22	114	1004077	50.00	ug/l	0.00
63) Chlorobenzene-d5	12.36	117	808759	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	14.51	152	371308	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	7.45	65	263043	54.00	ug/l	0.00
Spiked Amount 50.000			Recovery	=	108.00%	
35) Dibromofluoromethane	6.92	113	434953	58.37	ug/l	0.00
Spiked Amount 50.000			Recovery	=	116.74%	
50) Toluene-d8	10.40	98	1085696	58.02	ug/l	0.00
Spiked Amount 50.000			Recovery	=	116.04%	
62) 4-Bromofluorobenzene	13.54	95	406425	55.98	ug/l	0.00
Spiked Amount 50.000			Recovery	=	111.96%	
Target Compounds						
16) Acetone	3.22	43	11535	8.280	ug/l #	Qvalue 84

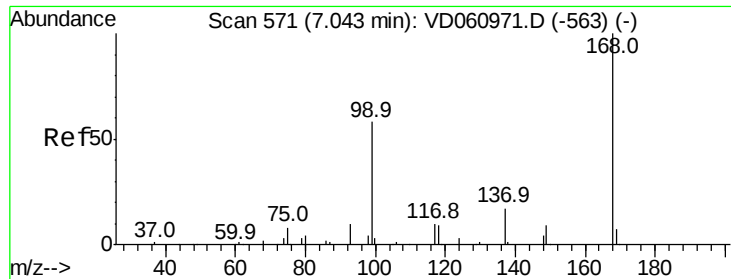
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.04 min Scan# 570

Delta R.T. -0.01 min

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MSVOA_D

ClientSampleId :

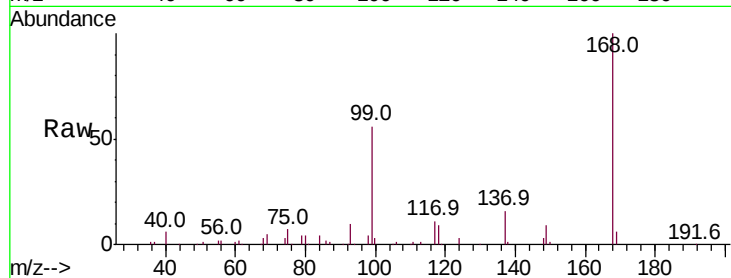
AU-05-031419-C

Tot Ion:168 Resp: 585244

Ion Ratio Lower Upper

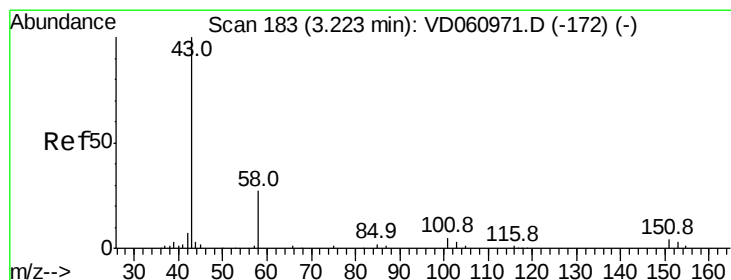
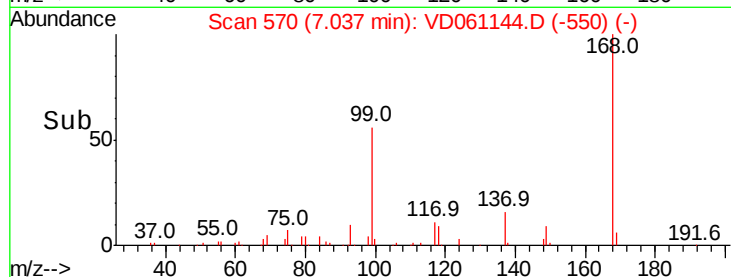
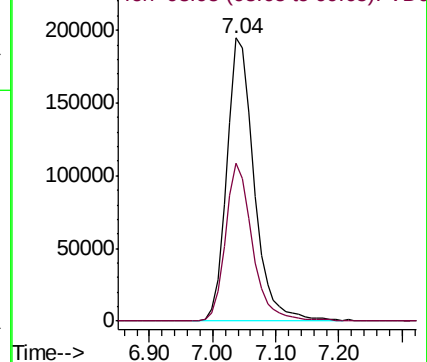
168 100

99 55.7 47.3 70.9



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.95 (98.65 to 99.65): VDC



#16

Acetone

Concen: 8.280 ug/l

RT: 3.22 min Scan# 182

Delta R.T. -0.01 min

Lab File: VD061144.D

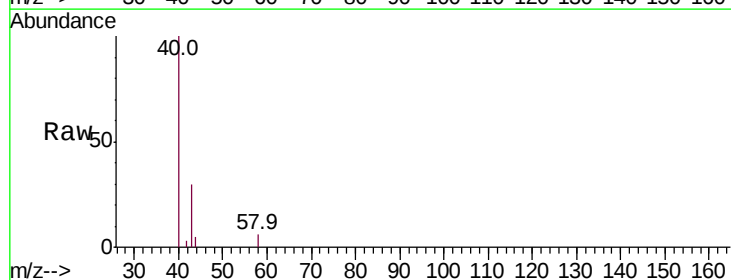
Acq: 18 Mar 2019 14:42

Tgt Ion: 43 Resp: 11535

Ion Ratio Lower Upper

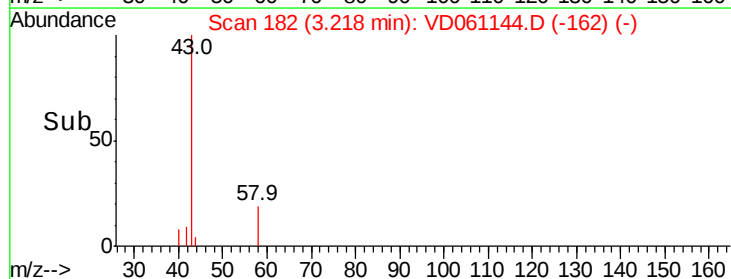
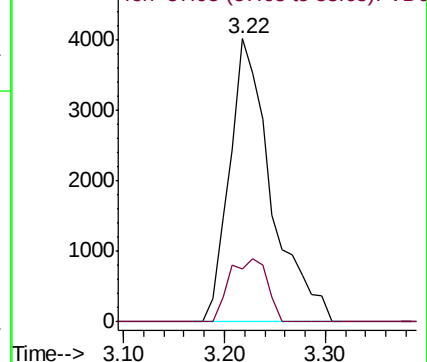
43 100

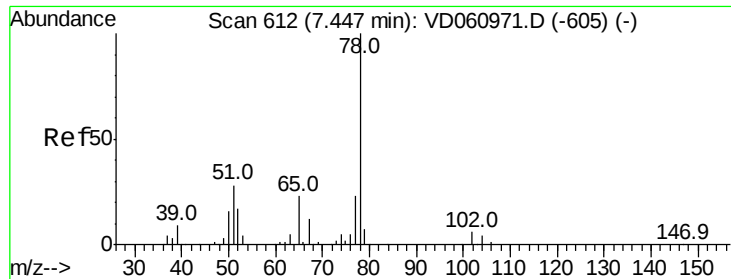
58 18.6 21.6 32.4#



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 57.95 (57.65 to 58.65): VDC





#33

1,2-Dichloroethane-d4

Concen: N.D. ug/l

RT: 7.45 min Scan# 612

Delta R.T. 0.00 min

Lab File: VD061144.D

Acq: 18 Mar 2019 14:42

Instrument :

MSVOA_D

ClientSampleId :

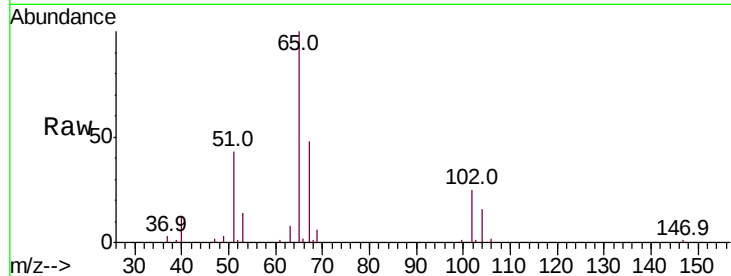
AU-05-031419-C

Tot Ion: 65 Resp: 263043

Ion Ratio Lower Upper

65 100

67 47.7 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

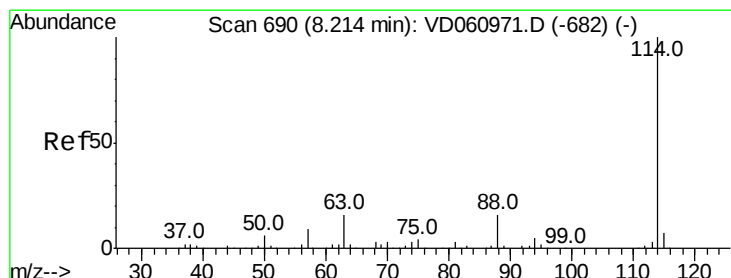
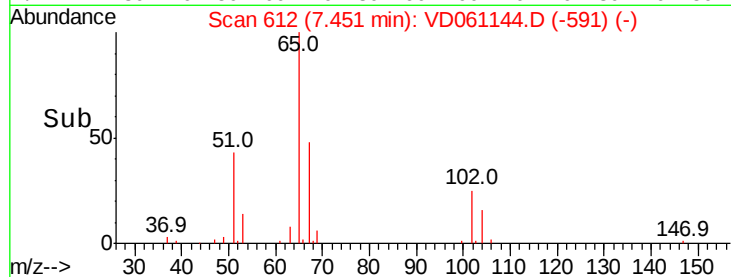
60000

40000

20000

0

Time--> 7.30 7.40 7.50 7.60



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.22 min Scan# 690

Delta R.T. 0.00 min

Lab File: VD061144.D

Acq: 18 Mar 2019 14:42

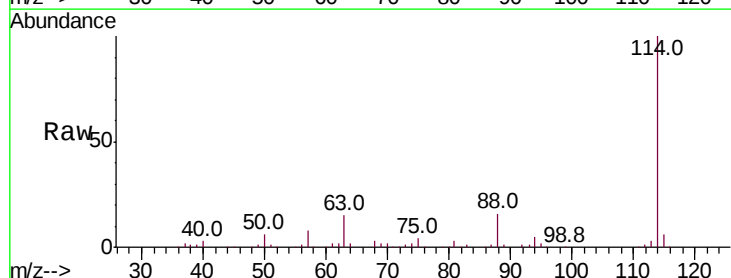
Tgt Ion:114 Resp: 1004077

Ion Ratio Lower Upper

114 100

63 15.1 0.0 31.4

88 15.7 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

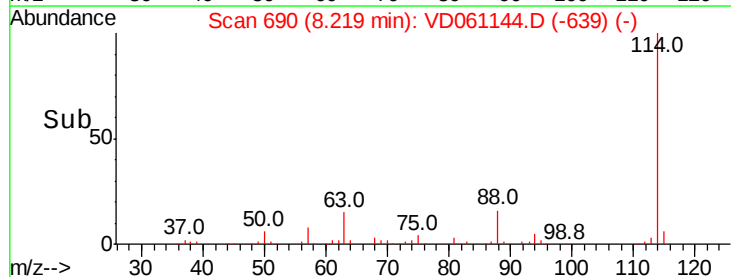
300000

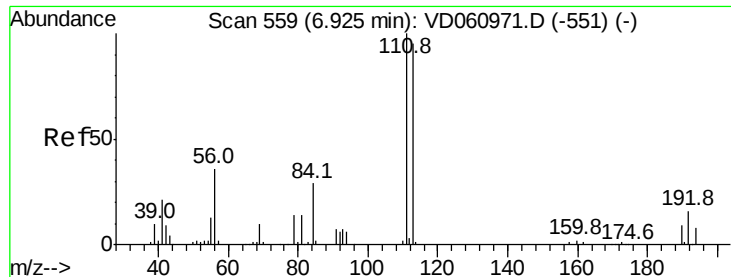
200000

100000

0

Time--> 8.00 8.20 8.40





#35

Dibromofluoromethane

Concen: 50.000 ug/l

RT: 6.92 min Scan# 558

Delta R.T. -0.01 min

Lab File: VD061144.D

Acq: 18 Mar 2019 14:42

Instrument :

MSVOA_D

ClientSampleId :

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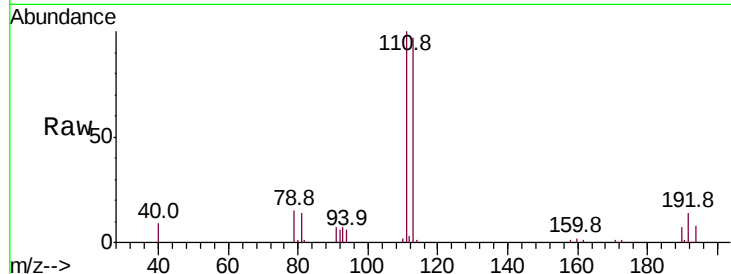
Tot Ion:113 Resp: 434953

Ion Ratio Lower Upper

113 100

111 103.2 84.2 126.4

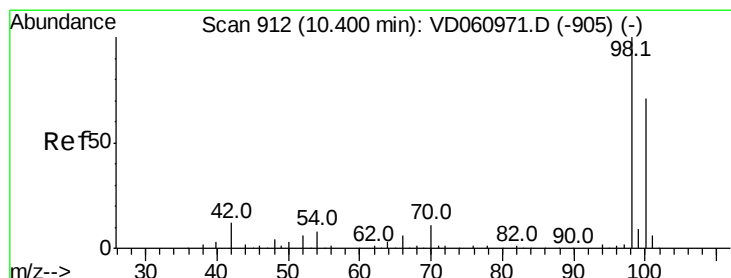
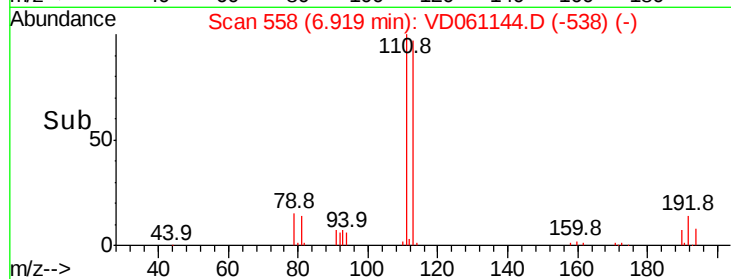
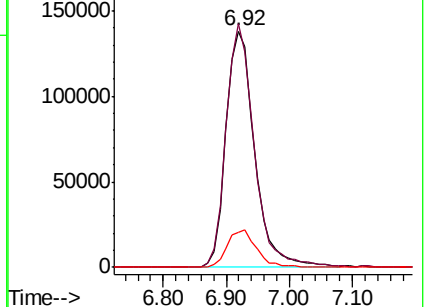
192 14.7 13.1 19.7



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: VD061144.D

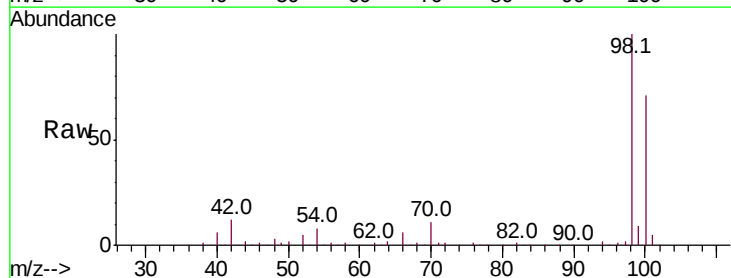
Acq: 18 Mar 2019 14:42

Tgt Ion: 98 Resp: 1085696

Ion Ratio Lower Upper

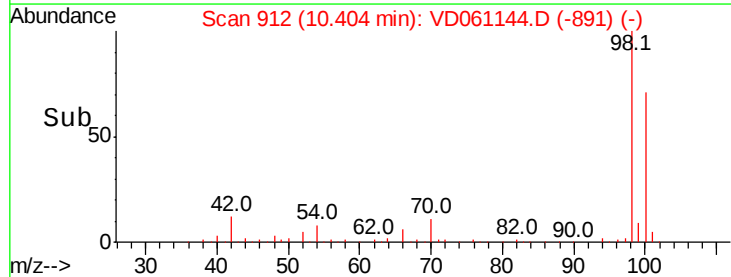
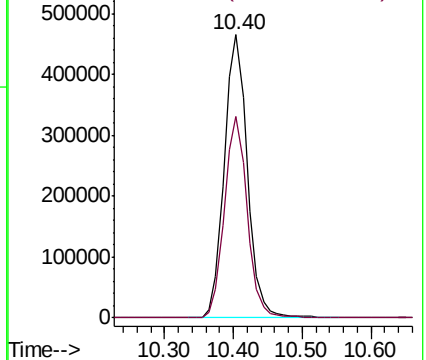
98 100

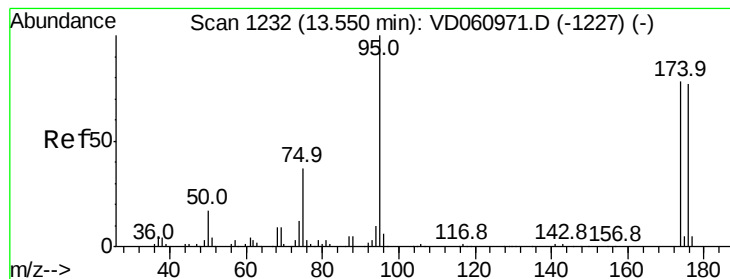
100 71.0 57.4 86.2



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: 13.54 min Scan# 1231

Delta R.T. -0.01 min

Lab File: VD061144.D

Acq: 18 Mar 2019 14:42

Instrument :

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ClientSampleId :

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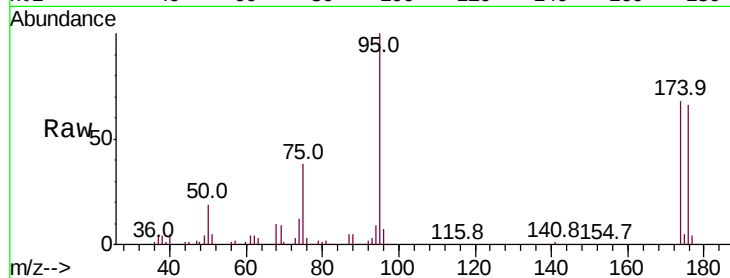
Tot Ion: 95 Resp: 406425

Ion Ratio Lower Upper

95 100

174 68.1 0.0 155.6

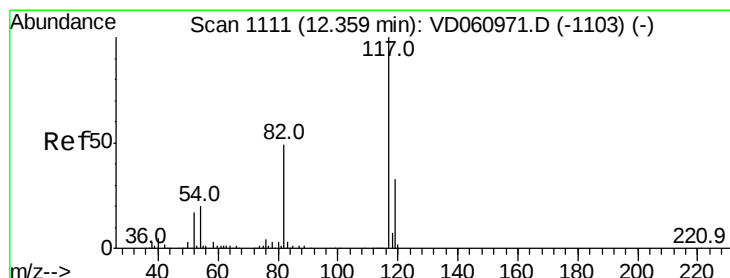
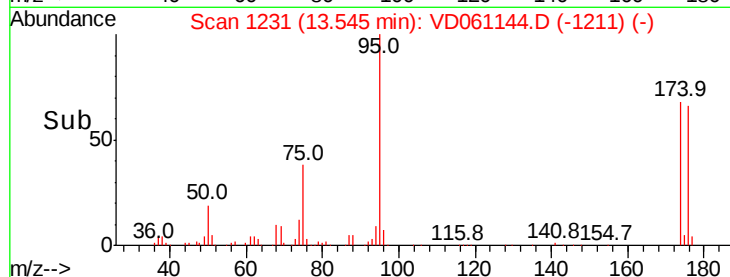
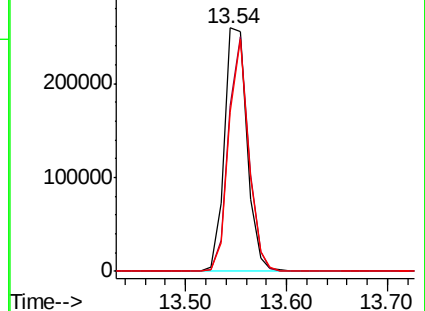
176 65.5 0.0 153.8



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: VD061144.D

Acq: 18 Mar 2019 14:42

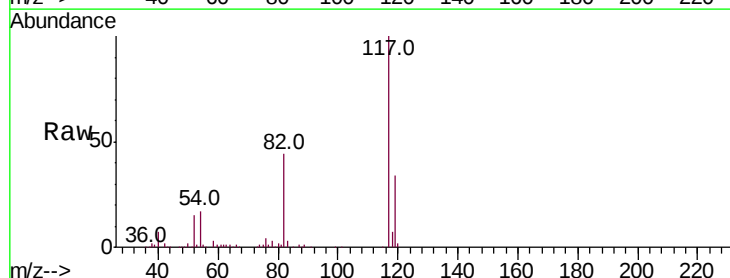
Tgt Ion: 117 Resp: 808759

Ion Ratio Lower Upper

117 100

82 43.9 38.9 58.3

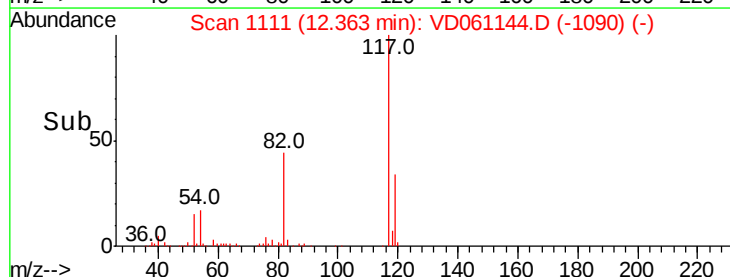
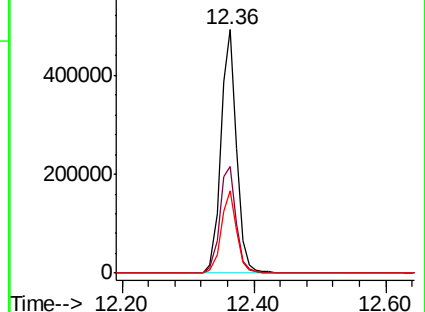
119 33.6 26.6 39.8

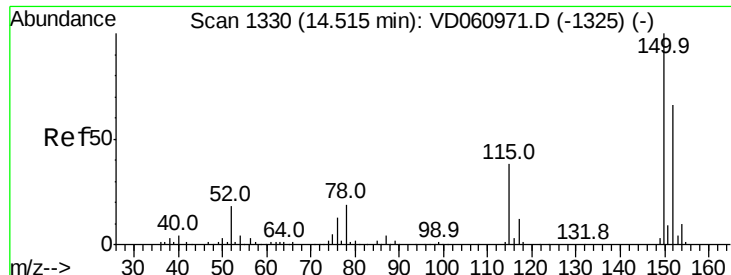


Abundance Ion 116.95 (116.65 to 117.65): V

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# 1329

Delta R.T. -0.01 min

Lab File: VD061144.D

Acq: 18 Mar 2019 14:42

Instrument :

MSVOA_D

ClientSampleId :

AU-05-031419-C

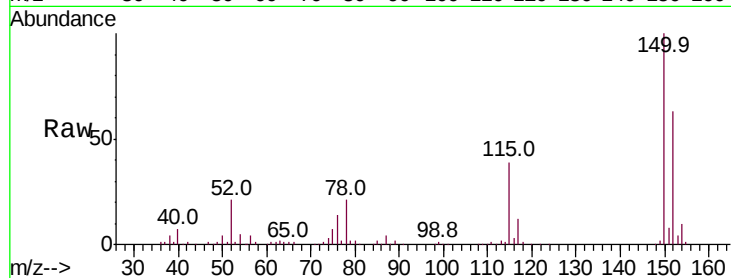
Tot Ion:152 Resp: 371308

Ion Ratio Lower Upper

152 100

115 61.6 28.6 85.9

150 158.1 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

