

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX072118\
 Data File : VX003576.D
 Acq On : 22 Jul 2018 01:56
 Operator : JC/SP
 Sample : J4070-04
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 36 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 LC-SD-EB02-180718

Quant Time: Jul 23 09:37:31 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X071918W.M
 Quant Title : SW846 8260
 QLast Update : Thu Jul 19 17:09:44 2018
 Response via : Initial Calibration

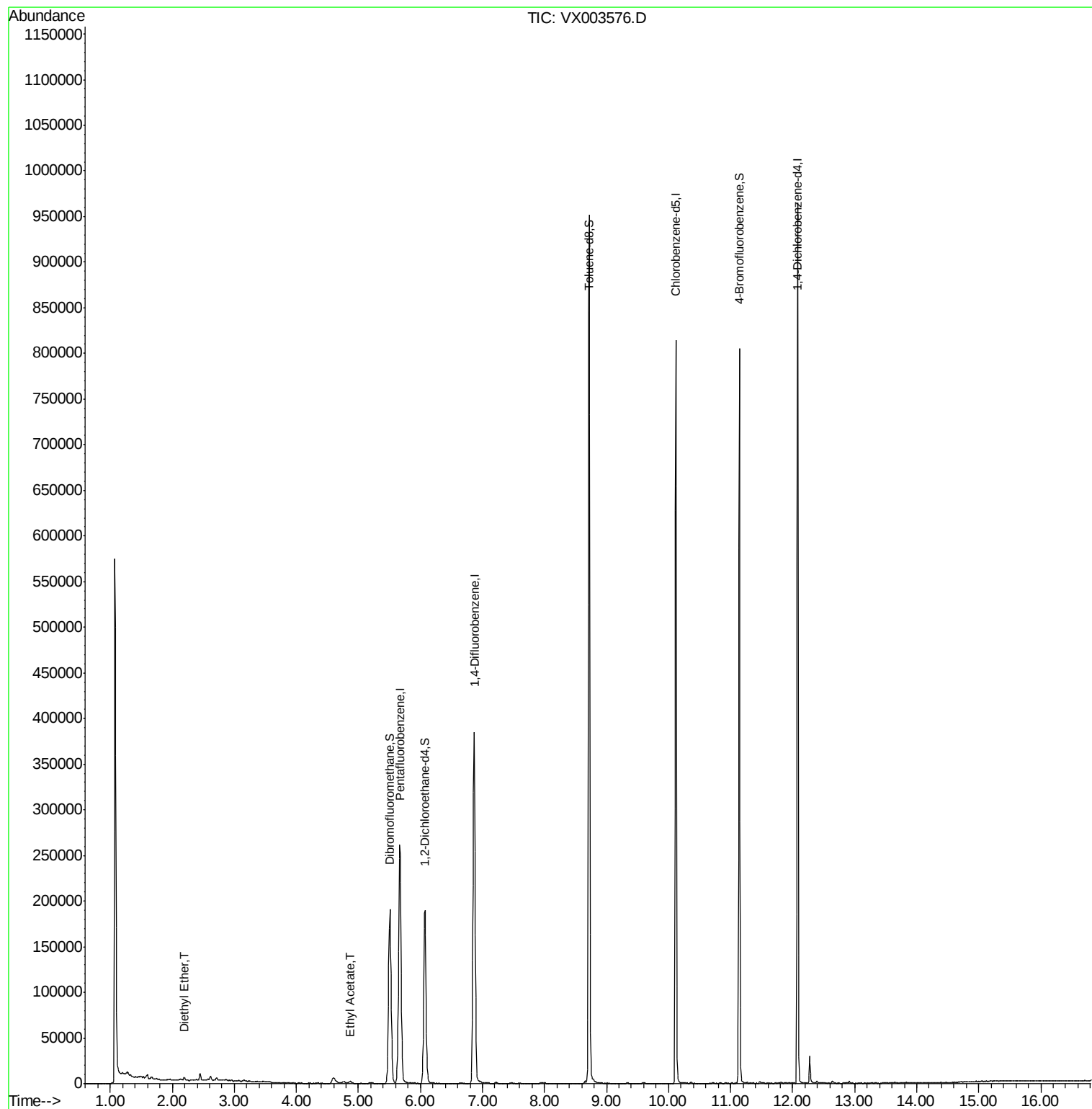
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.67	168	275625	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.87	114	407650	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	386949	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	214747	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	6.07	65	176864	54.21	ug/l	0.00
Spiked Amount 50.000			Recovery	=	108.42%	
35) Dibromofluoromethane	5.50	113	166857	53.74	ug/l	0.00
Spiked Amount 50.000			Recovery	=	107.48%	
50) Toluene-d8	8.72	98	582783	49.94	ug/l	0.00
Spiked Amount 50.000			Recovery	=	99.88%	
62) 4-Bromofluorobenzene	11.14	95	199526	46.85	ug/l	0.00
Spiked Amount 50.000			Recovery	=	93.70%	
Target Compounds						
8) Diethyl Ether	2.19	74	1451	0.72	ug/l	97
37) Ethyl Acetate	4.87	43	3778	0.91	ug/l #	86

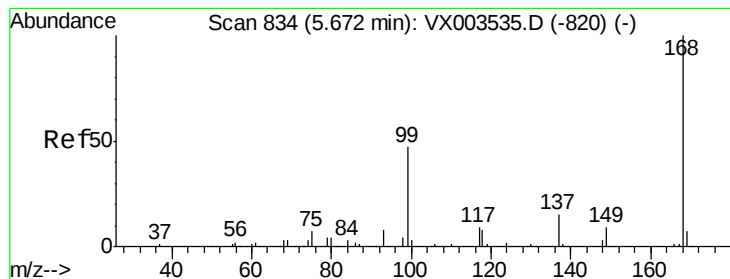
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 5.67 min Scan# 833

Delta R.T. 0.00 min

Lab File: VX003576.D

Acq: 22 Jul 2018 01:56

Instrument :

MSVOA_X

ClientSampleId :

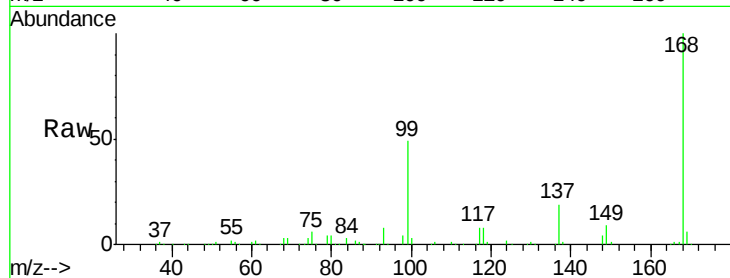
LC-SD-EB02-180718

Tot Ion:168 Resp: 275625

Ion Ratio Lower Upper

168 100

99 49.0 39.3 58.9



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.67

100000

80000

60000

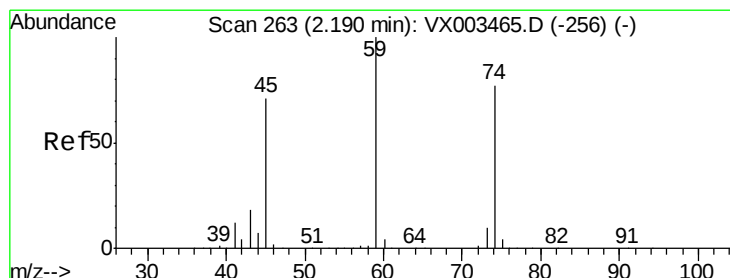
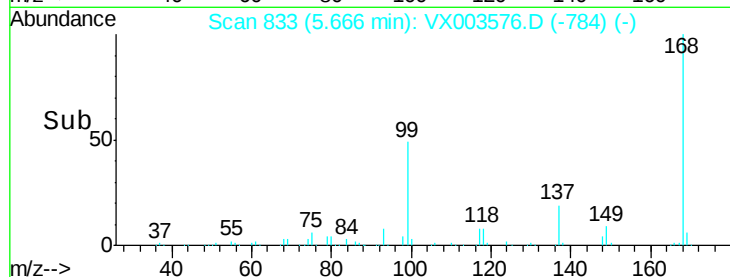
40000

20000

0

Time-->

5.50 5.60 5.70 5.80 5.90



#8

Diethyl Ether

Concen: 0.72 ug/l

RT: 2.19 min Scan# 263

Delta R.T. 0.00 min

Lab File: VX003576.D

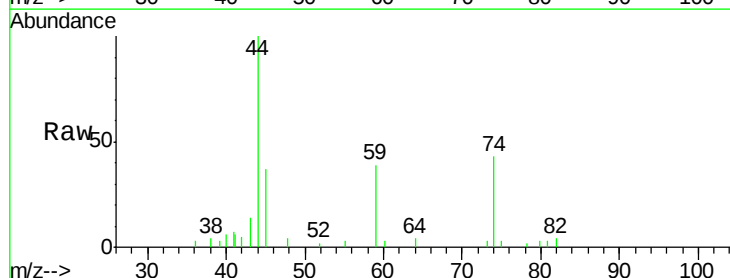
Acq: 22 Jul 2018 01:56

Tgt Ion: 74 Resp: 1451

Ion Ratio Lower Upper

74 100

45 103.1 53.1 159.4



Abundance Ion 74.00 (73.70 to 74.70): VX0

Ion 45.00 (44.70 to 45.70): VX0

2.19

1200

1000

800

600

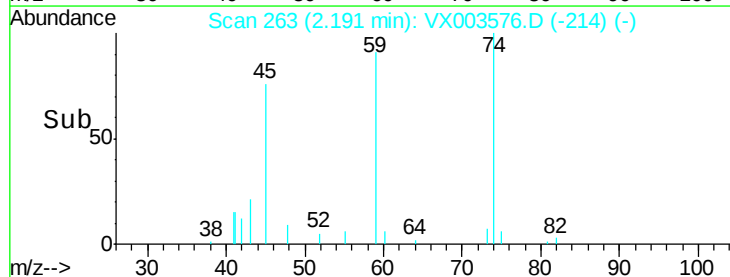
400

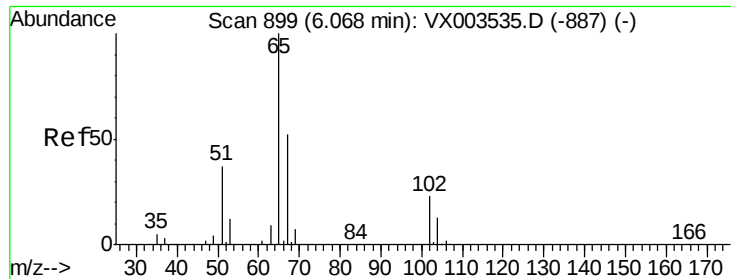
200

0

Time-->

2.15 2.20 2.25





#33

1,2-Dichloroethane-d4

Concen: 54.21 ug/l

RT: 6.07 min Scan# 899

Delta R.T. 0.00 min

Lab File: VX003576.D

Acq: 22 Jul 2018 01:56

Instrument :

MSVOA_X

ClientSampleId :

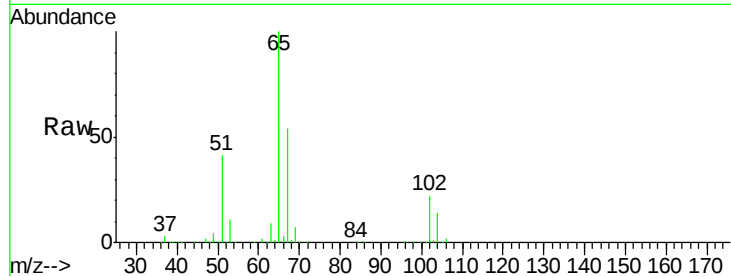
LC-SD-EB02-180718

Tot Ion: 65 Resp: 176864

Ion Ratio Lower Upper

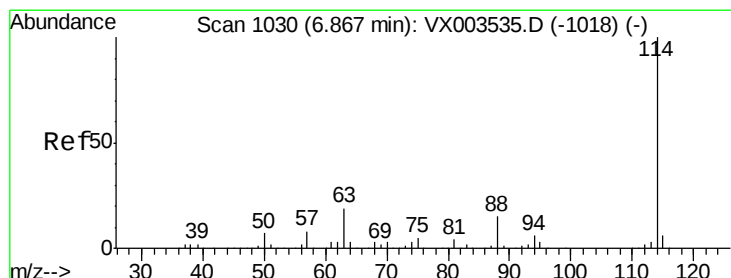
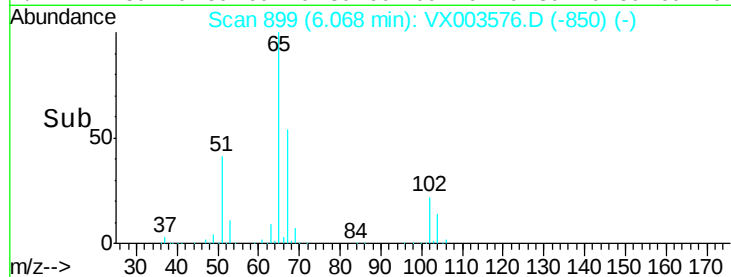
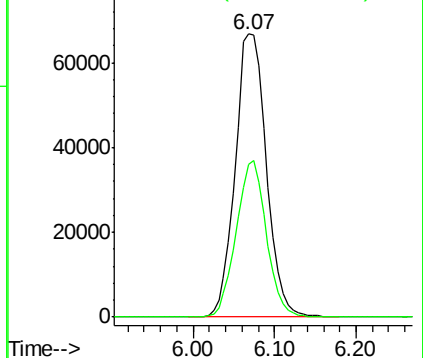
65 100

67 53.4 0.0 102.6



Abundance Ion 64.90 (64.60 to 65.60): VX0

Ion 66.90 (66.60 to 67.60): VX0



#34

1,4-Difluorobenzene

Concen: 50.00 ug/l

RT: 6.87 min Scan# 1030

Delta R.T. 0.00 min

Lab File: VX003576.D

Acq: 22 Jul 2018 01:56

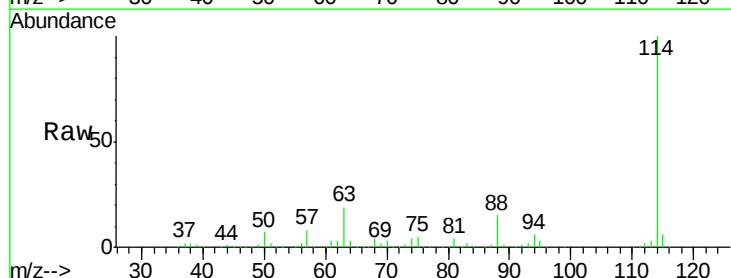
Tgt Ion: 114 Resp: 407650

Ion Ratio Lower Upper

114 100

63 18.6 0.0 41.4

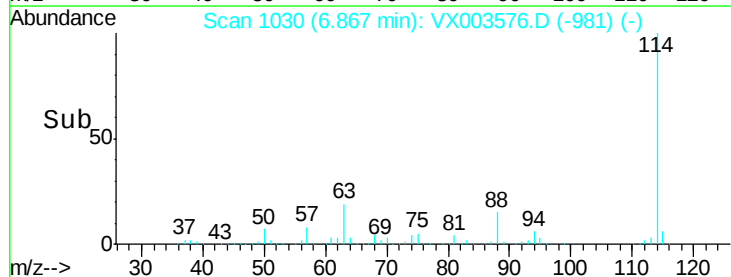
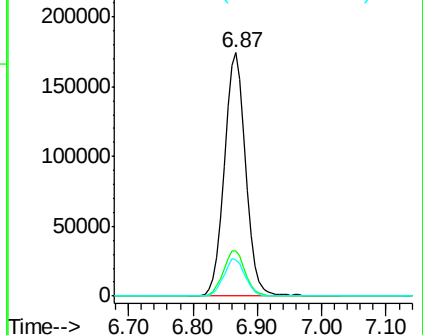
88 14.8 0.0 30.0

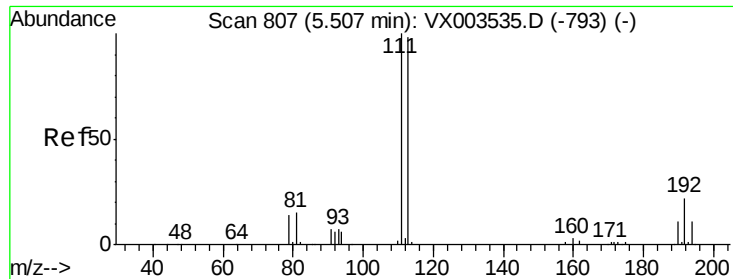


Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VX0

Ion 87.90 (87.60 to 88.60): VX0





#35

Dibromofluoromethane

Concen: 53.74 ug/l

RT: 5.50 min Scan# 806

Delta R.T. -0.01 min

Lab File: VX003576.D

Acq: 22 Jul 2018 01:56

Instrument :

MSVOA_X

ClientSampleId :

LC-SD-EB02-180718

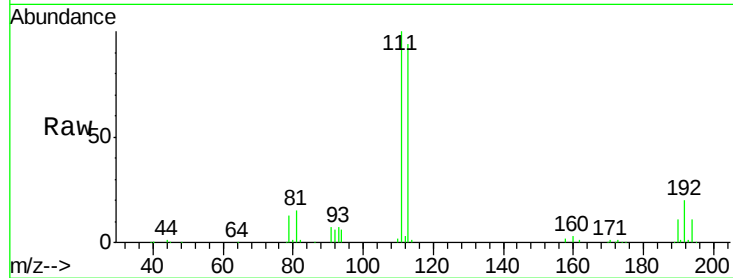
Tot Ion:113 Resp: 166857

Ion Ratio Lower Upper

113 100

111 104.4 81.4 122.0

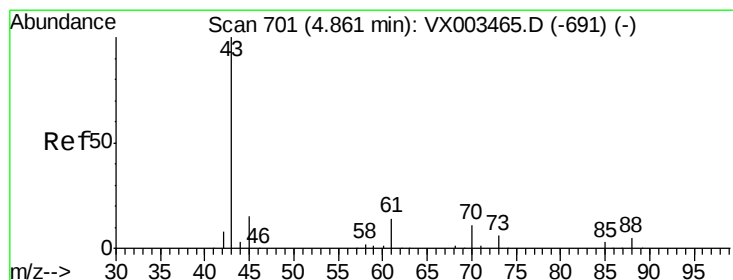
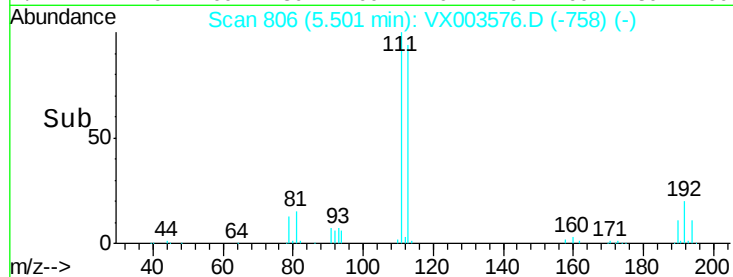
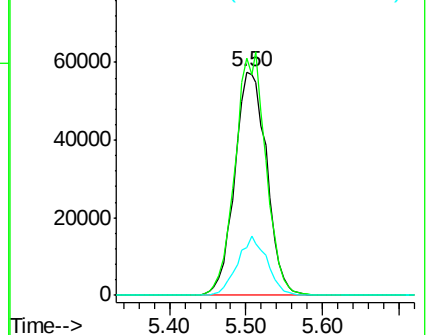
192 24.6 19.1 28.7



Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V



#37

Ethyl Acetate

Concen: 0.91 ug/l

RT: 4.87 min Scan# 702

Delta R.T. 0.01 min

Lab File: VX003576.D

Acq: 22 Jul 2018 01:56

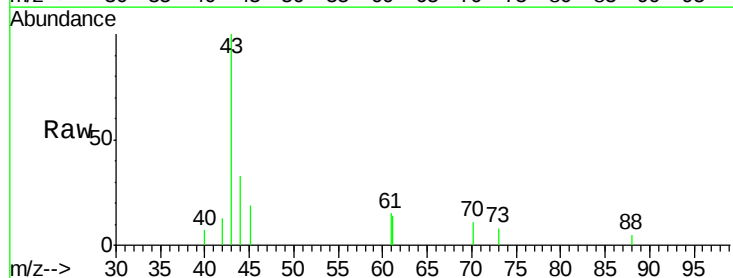
Tgt Ion: 43 Resp: 3778

Ion Ratio Lower Upper

43 100

61 22.5 10.4 15.6#

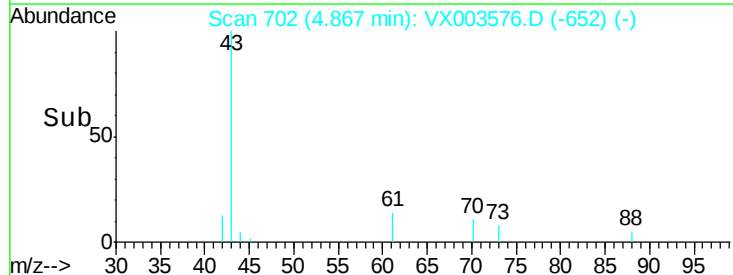
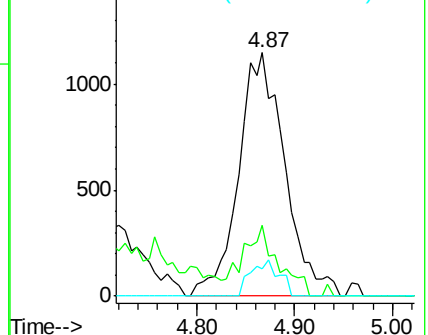
70 9.2 7.6 11.4

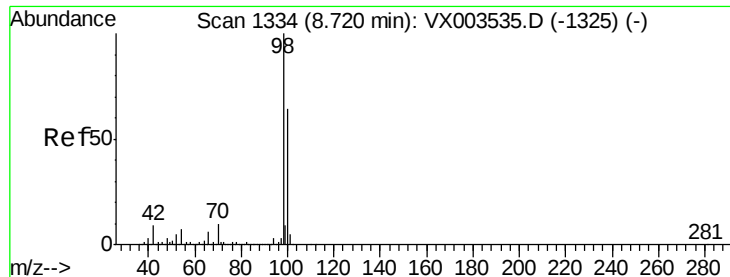


Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 60.90 (60.60 to 61.60): VX0

Ion 70.00 (69.70 to 70.70): VX0





#50

Toluene-d8

Concen: 49.94 ug/l

RT: 8.72 min Scan# 1334

Delta R.T. 0.00 min

Lab File: VX003576.D

Acq: 22 Jul 2018 01:56

Instrument :

MSVOA_X

ClientSampleId :

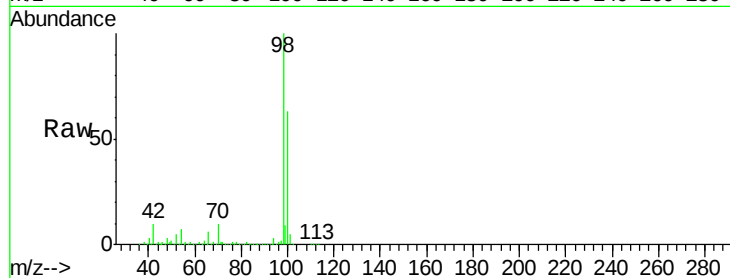
LC-SD-EB02-180718

Tot Ion: 98 Resp: 582783

Ion Ratio Lower Upper

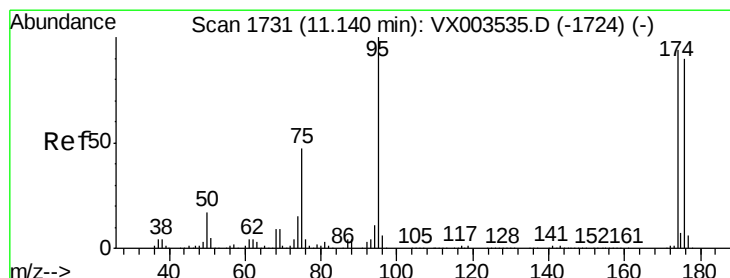
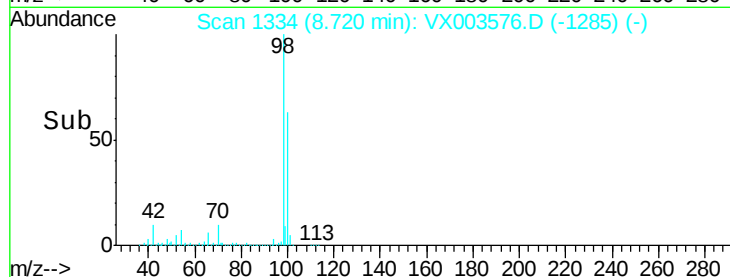
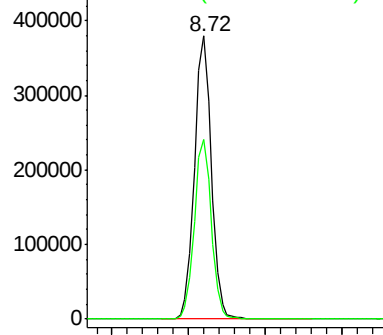
98 100

100 64.0 50.9 76.3



Abundance Ion 98.00 (97.70 to 98.70): VX0

Ion 100.00 (99.70 to 100.70): VX



#62

4-Bromofluorobenzene

Concen: 46.85 ug/l

RT: 11.14 min Scan# 1731

Delta R.T. 0.00 min

Lab File: VX003576.D

Acq: 22 Jul 2018 01:56

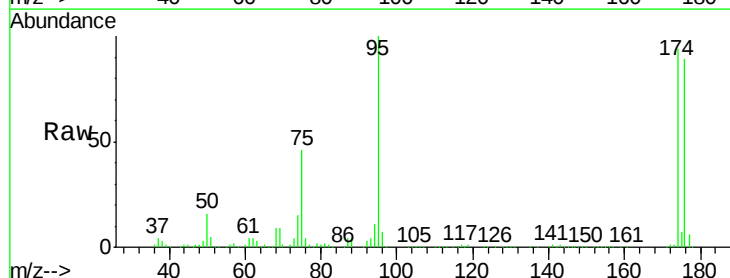
Tgt Ion: 95 Resp: 199526

Ion Ratio Lower Upper

95 100

174 96.9 0.0 187.4

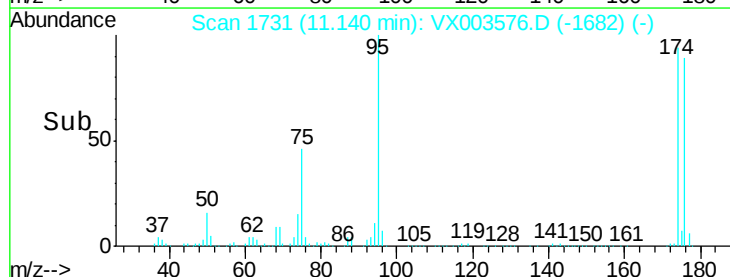
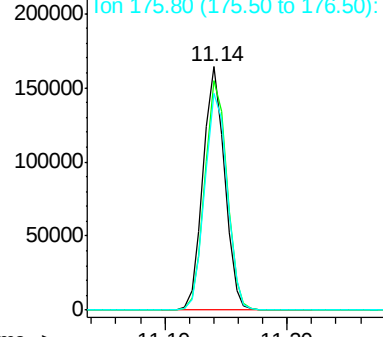
176 93.2 0.0 181.0

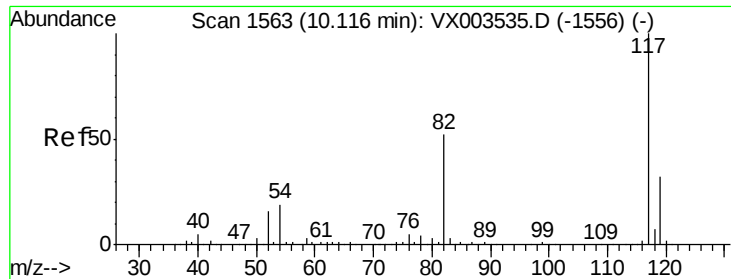


Abundance Ion 94.90 (94.60 to 95.60): VX0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V





#63

Chlorobenzene-d5

Concen: 50.00 ug/l

RT: 10.12 min Scan# 1563

Delta R.T. 0.00 min

Lab File: VX003576.D

Acq: 22 Jul 2018 01:56

Instrument :

MSVOA_X

ClientSampleId :

LC-SD-EB02-180718

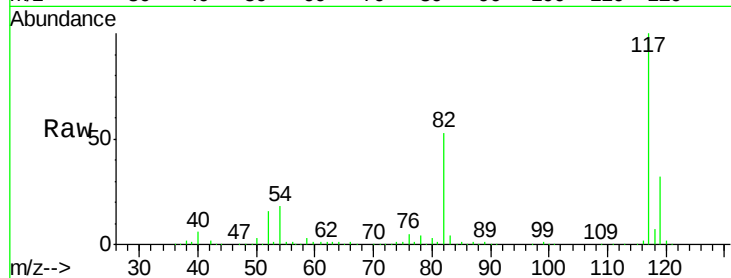
Tot Ion:117 Resp: 386949

Ion Ratio Lower Upper

117 100

82 53.1 45.0 67.4

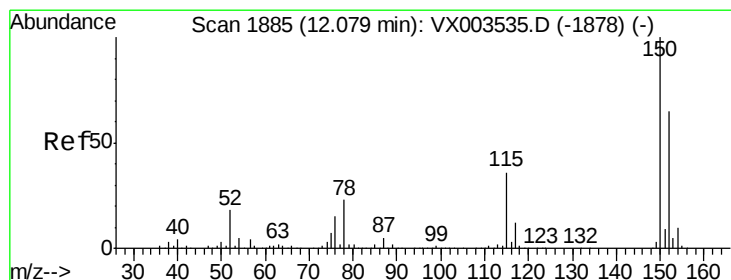
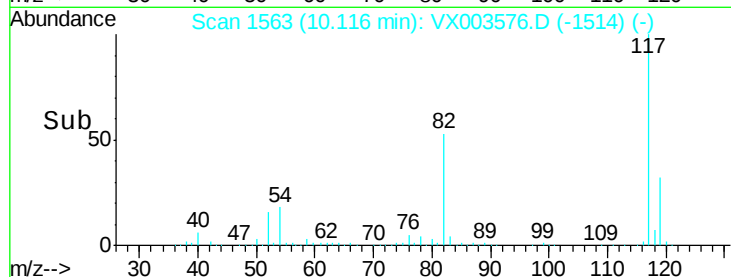
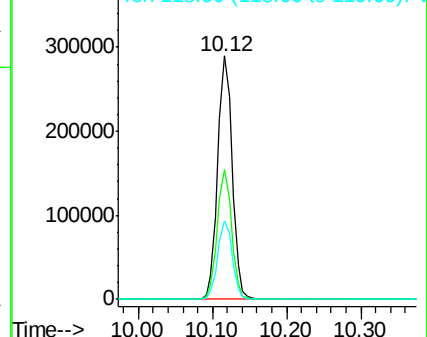
119 32.0 25.8 38.6



Abundance Ion 116.90 (116.60 to 117.60): V

Ion 82.00 (81.70 to 82.70): VX0

Ion 118.90 (118.60 to 119.60): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.00 ug/l

RT: 12.08 min Scan# 1885

Delta R.T. 0.00 min

Lab File: VX003576.D

Acq: 22 Jul 2018 01:56

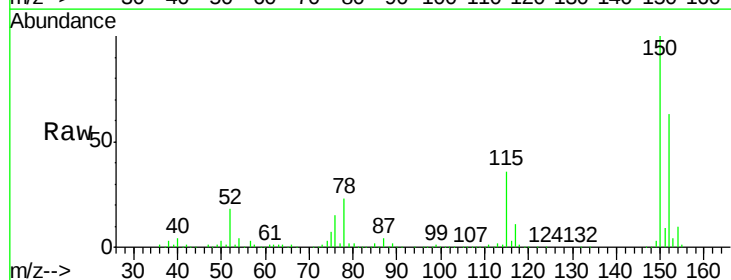
Tgt Ion:152 Resp: 214747

Ion Ratio Lower Upper

152 100

115 53.6 40.1 120.2

150 156.1 0.0 347.2



Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V

