

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX071618\
 Data File : VX003402.D
 Acq On : 16 Jul 2018 20:59
 Operator : JC/MD
 Sample : PB111123ZHE#10
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 PB111123ZHE#10

Quant Time: Jul 17 02:23:17 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X071618W.M
 Quant Title : SW846 8260
 QLast Update : Mon Jul 16 13:15:28 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.67	168	268029	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.87	114	386762	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	362014	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.09	152	200070	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	6.08	65	165480	47.14	ug/l	0.00
Spiked Amount			Recovery	=	94.28%	
35) Dibromofluoromethane	5.51	113	147494	47.13	ug/l	0.00
Spiked Amount			Recovery	=	94.26%	
50) Toluene-d8	8.72	98	647212	56.04	ug/l	0.00
Spiked Amount			Recovery	=	112.08%	
62) 4-Bromofluorobenzene	11.14	95	199720	48.44	ug/l	0.00
Spiked Amount			Recovery	=	96.88%	

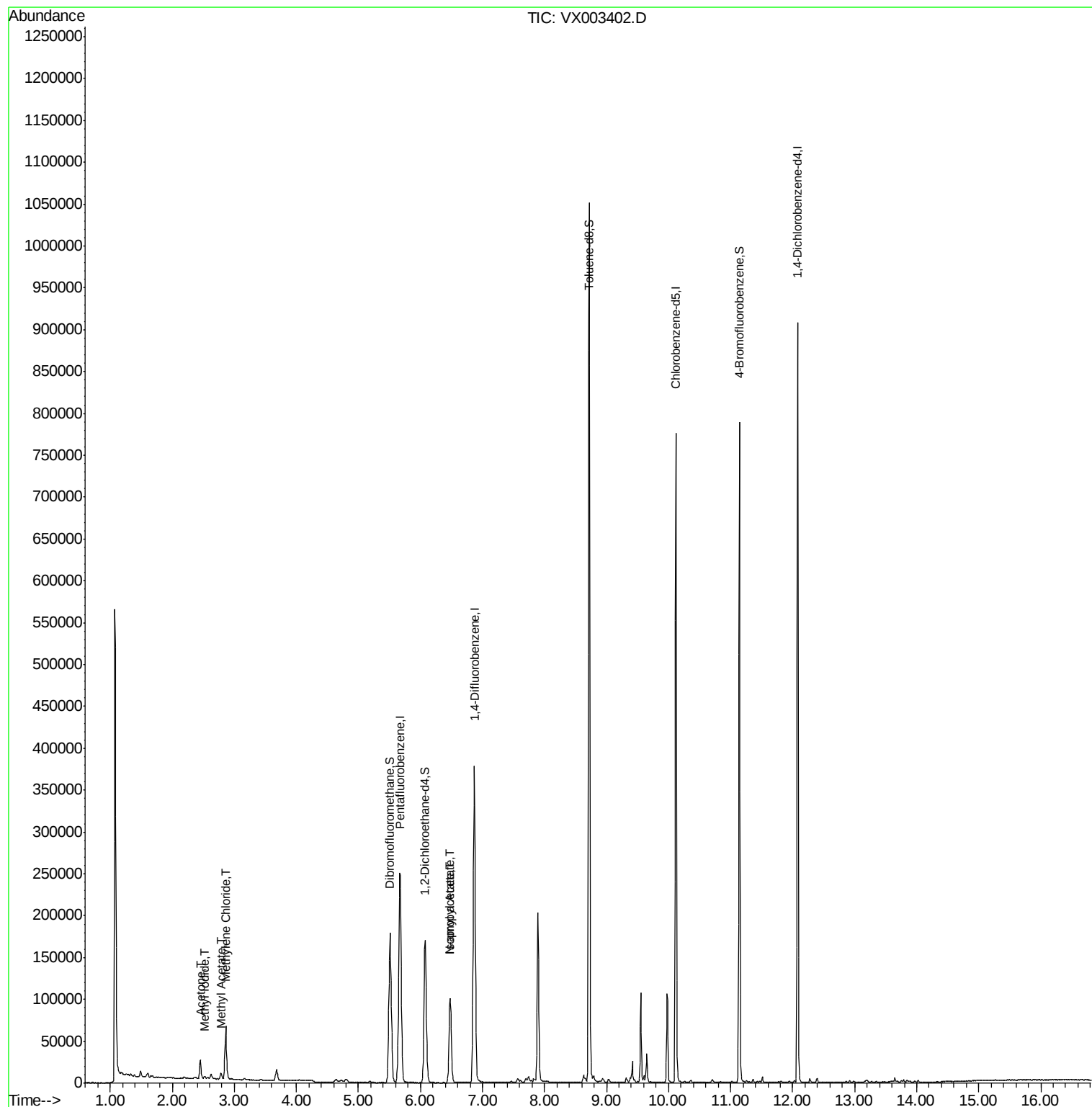
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
10) Methyl Iodide	2.52	142	3314	1.04	ug/l	96
16) Acetone	2.45	43	24322	16.66	ug/l #	87
18) Methyl Acetate	2.78	43	8684	1.83	ug/l #	91
20) Methylene Chloride	2.86	84	30556	8.98	ug/l	90
43) Isopropyl Acetate	6.48	43	130215	19.55	ug/l #	93
74) N-amyl acetate	6.48	43	130215	21.14	ug/l #	93

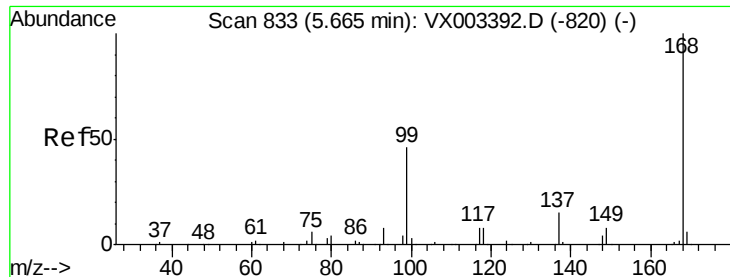
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Mon Jul 16 13:15:28 2018
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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: VX003402.D

Acq: 16 Jul 2018 20:59

Instrument :

MSVOA_X

ClientSampleId :

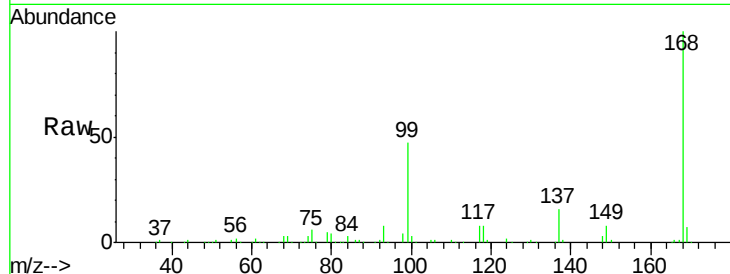
PB111123ZHE#10

Tot Ion:168 Resp: 268029

Ion Ratio Lower Upper

168 100

99 46.7 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

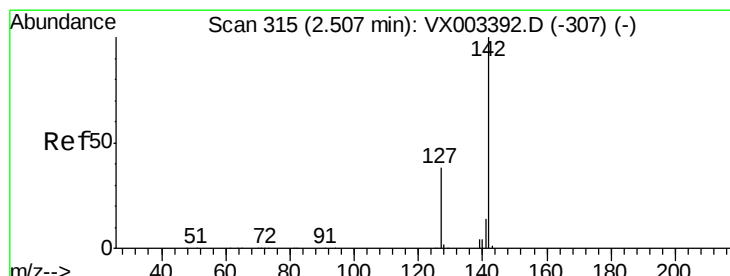
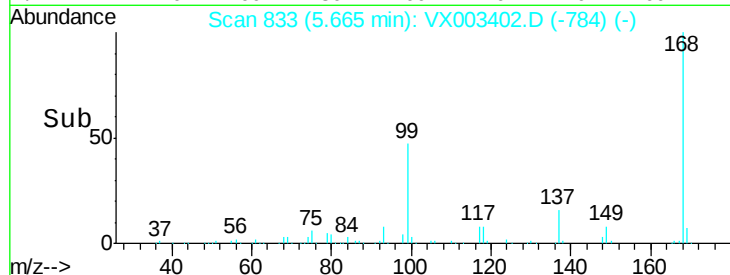
60000

40000

20000

0

Time--> 5.50 5.60 5.70 5.80



#10

Methyl Iodide

Concen: 1.04 ug/l

RT: 2.52 min Scan# 317

Delta R.T. 0.01 min

Lab File: VX003402.D

Acq: 16 Jul 2018 20:59

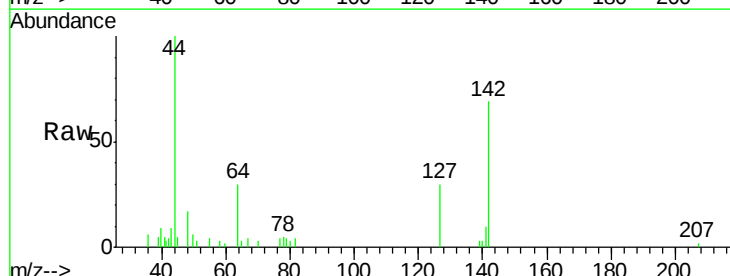
Tgt Ion:142 Resp: 3314

Ion Ratio Lower Upper

142 100

127 42.4 36.6 55.0

141 14.3 11.3 16.9



Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V

2000

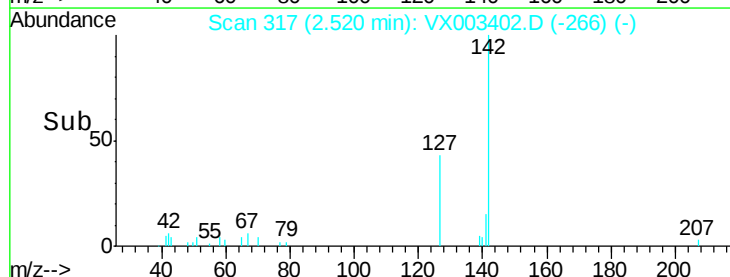
1500

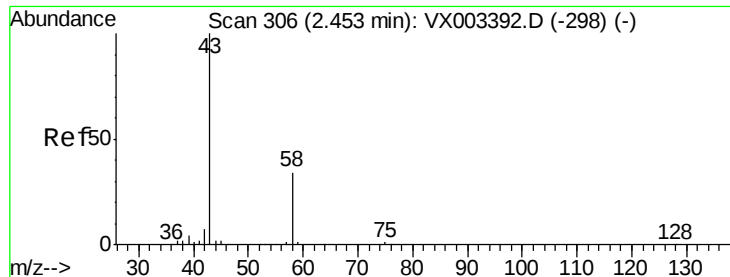
1000

500

0

Time--> 2.45 2.50 2.55 2.60





#16

Acetone

Concen: 16.66 ug/l

RT: 2.45 min Scan# 306

Delta R.T. -0.00 min

Lab File: VX003402.D

Acq: 16 Jul 2018 20:59

Instrument :

MSVOA_X

ClientSampleId :

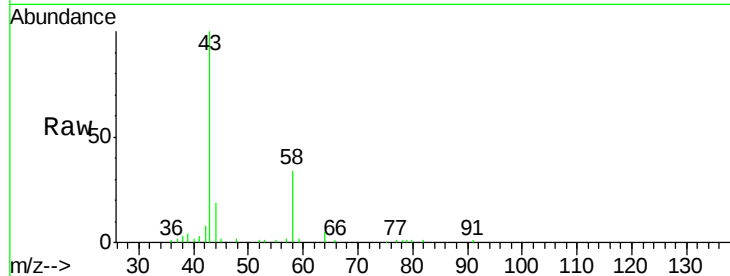
PB111123ZHE#10

Tot Ion: 43 Resp: 24322

Ion Ratio Lower Upper

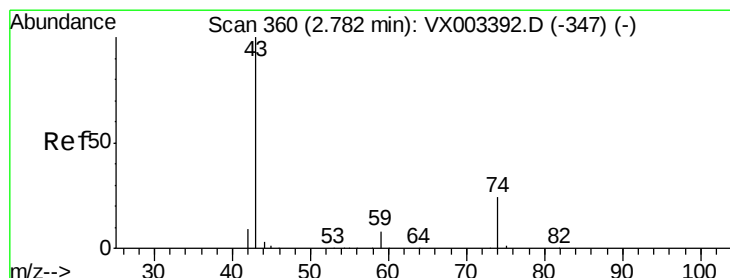
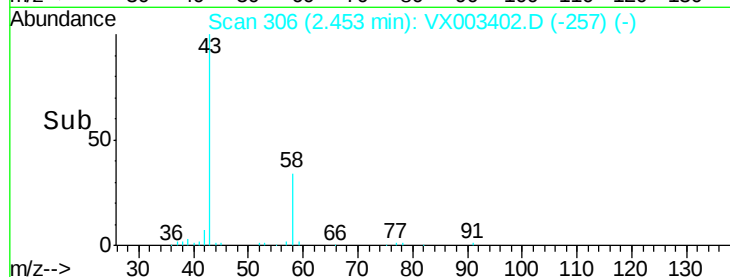
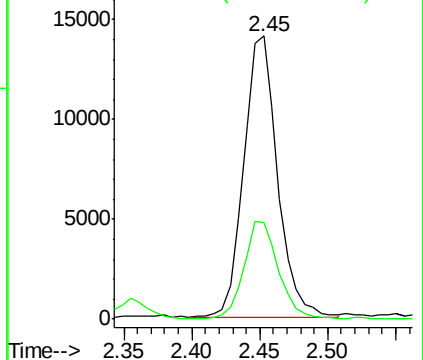
43 100

58 34.5 22.1 33.1#



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0



#18

Methyl Acetate

Concen: 1.83 ug/l

RT: 2.78 min Scan# 360

Delta R.T. -0.00 min

Lab File: VX003402.D

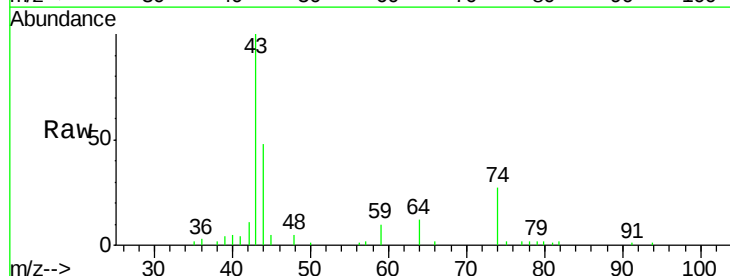
Acq: 16 Jul 2018 20:59

Tgt Ion: 43 Resp: 8684

Ion Ratio Lower Upper

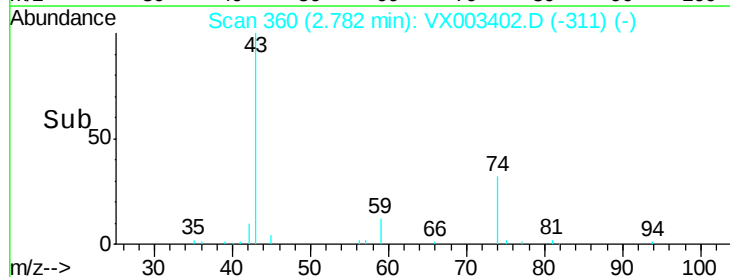
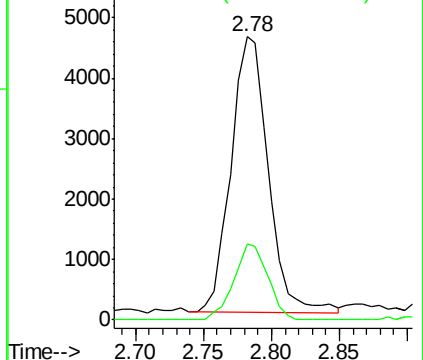
43 100

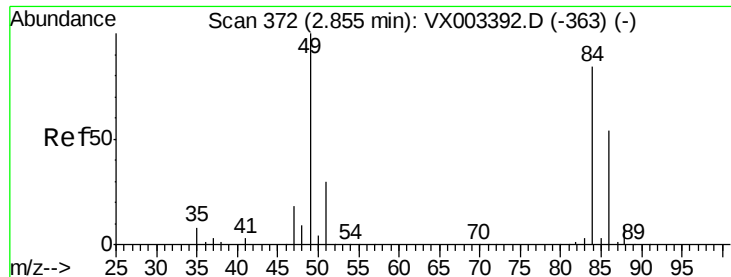
74 25.2 16.7 25.1#



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 74.00 (73.70 to 74.70): VX0

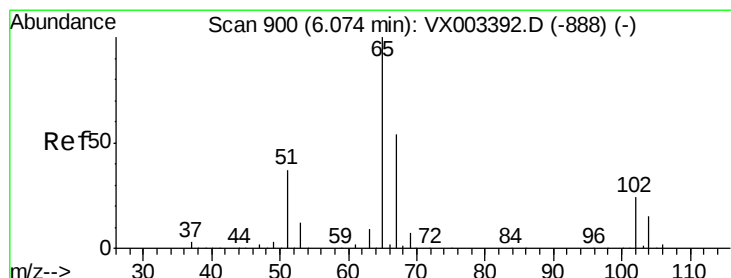
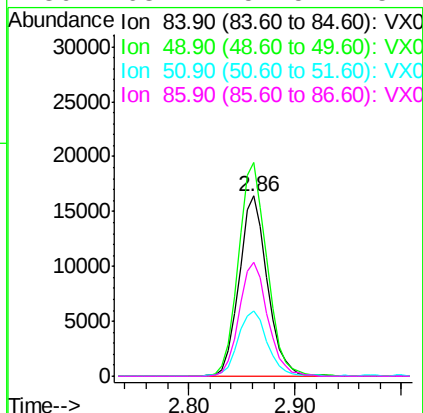
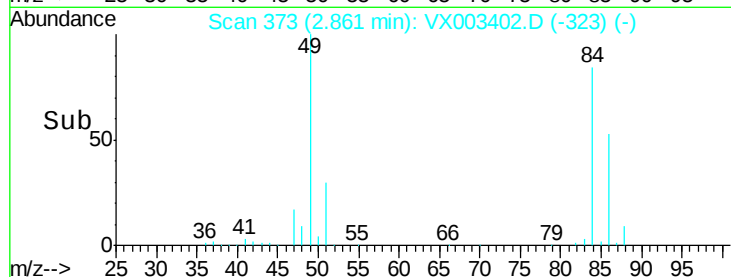
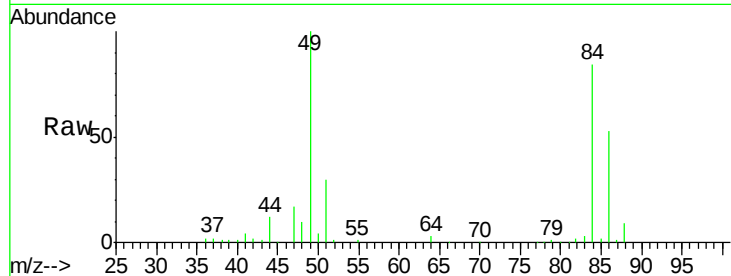




#20
Methvlene Chloride
Concen: 8.98 ug/l
RT: 2.86 min Scan# 373
Delta R.T. 0.01 min
Lab File: VX003402.D
Acq: 16 Jul 2018 20:59

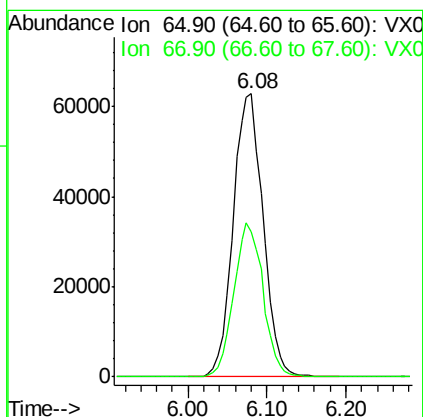
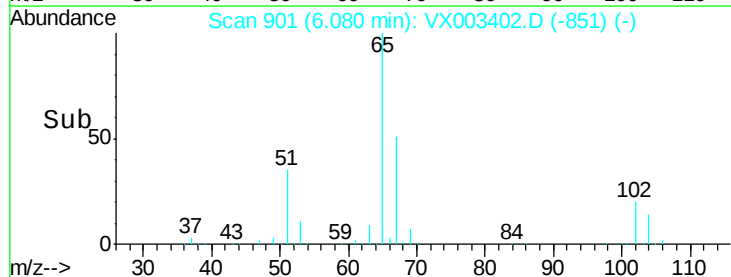
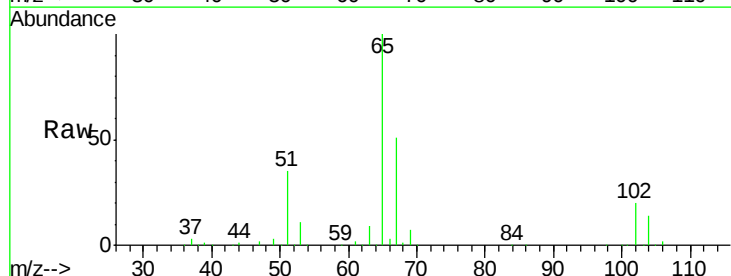
Instrument :
MSVOA_X
ClientSampleId :
PB111123ZHE#10

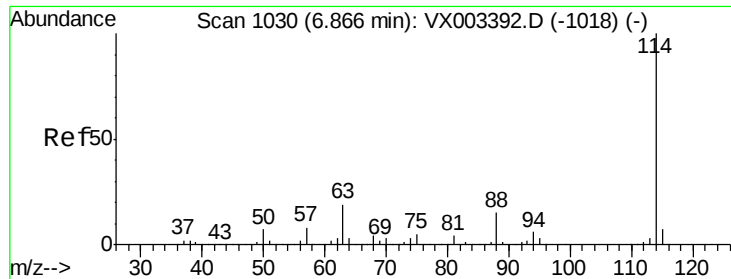
Tot Ion: 84 Resp: 30556
Ion Ratio Lower Upper
84 100
49 118.6 107.8 161.6
51 35.9 32.8 49.2
86 63.1 52.5 78.7



#33
1,2-Dichloroethane-d4
Concen: 47.14 ug/l
RT: 6.08 min Scan# 901
Delta R.T. 0.01 min
Lab File: VX003402.D
Acq: 16 Jul 2018 20:59

Tgt Ion: 65 Resp: 165480
Ion Ratio Lower Upper
65 100
67 53.3 0.0 102.6





#34

1,4-Difluorobenzene

Concen: 50.00 ug/l

RT: 6.87 min Scan# 1030

Delta R.T. -0.00 min

Lab File: VX003402.D

Acq: 16 Jul 2018 20:59

Instrument :

MSVOA_X

ClientSampleId :

PB111123ZHE#10

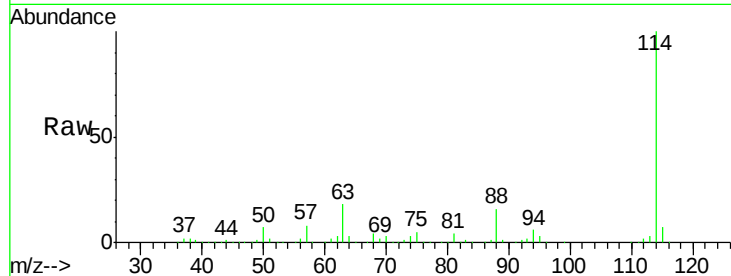
Tot Ion:114 Resp: 386762

Ion Ratio Lower Upper

114 100

63 17.9 0.0 41.4

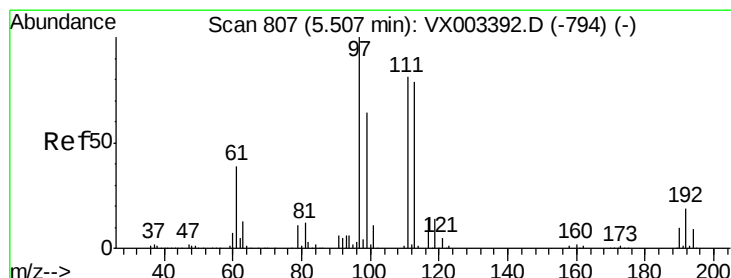
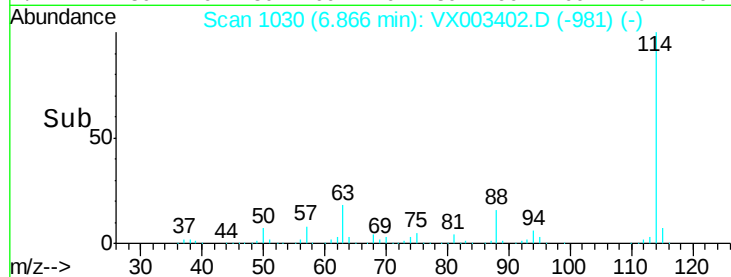
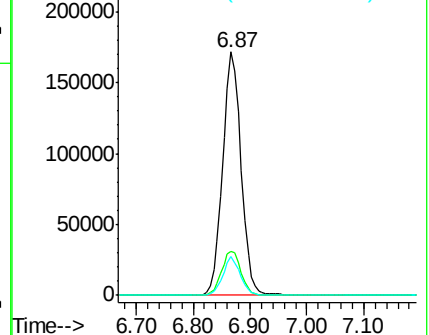
88 16.1 0.0 30.0



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: 47.13 ug/l

RT: 5.51 min Scan# 807

Delta R.T. -0.00 min

Lab File: VX003402.D

Acq: 16 Jul 2018 20:59

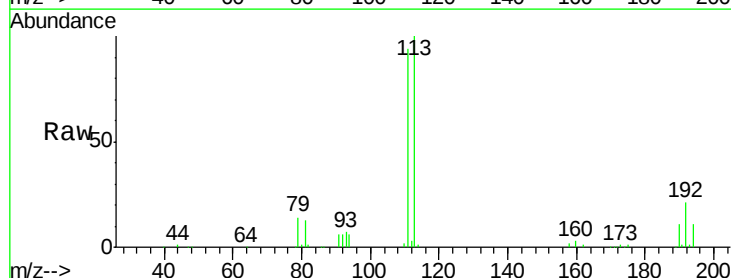
Tgt Ion:113 Resp: 147494

Ion Ratio Lower Upper

113 100

111 102.1 81.4 122.0

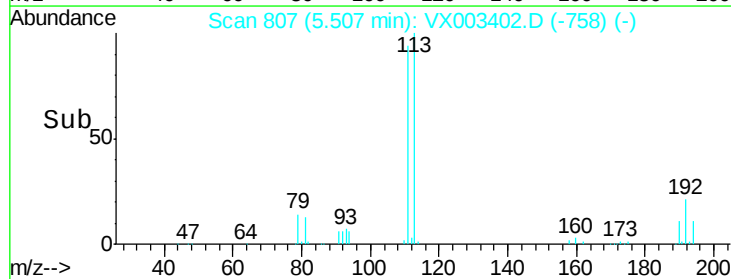
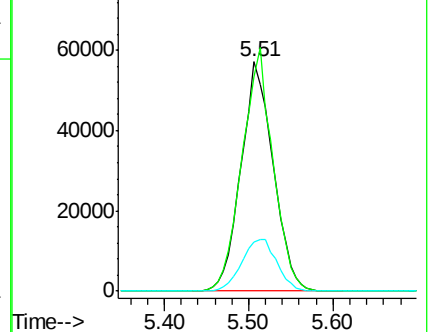
192 24.6 19.1 28.7

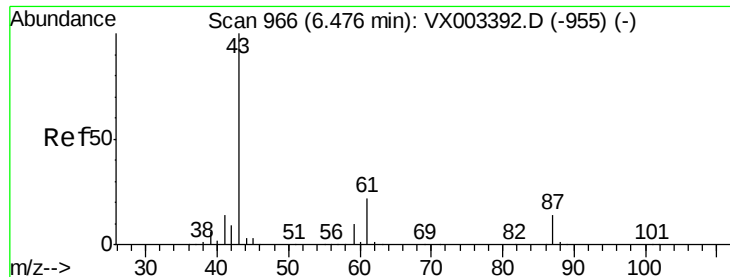


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V





#43

Isopropyl Acetate

Concen: 19.55 ug/l

RT: 6.48 min Scan# 966

Delta R.T. -0.00 min

Lab File: VX003402.D

Acq: 16 Jul 2018 20:59

Instrument :

MSVOA_X

ClientSampleId :

PB111123ZHE#10

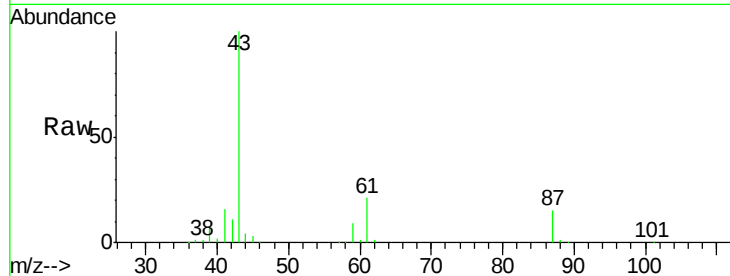
Tot Ion: 43 Resp: 130215

Ion Ratio Lower Upper

43 100

61 21.2 14.4 21.6

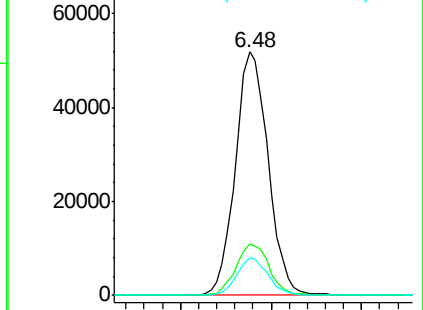
87 14.5 9.5 14.3#



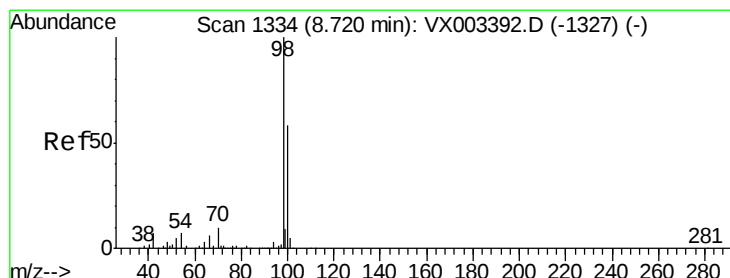
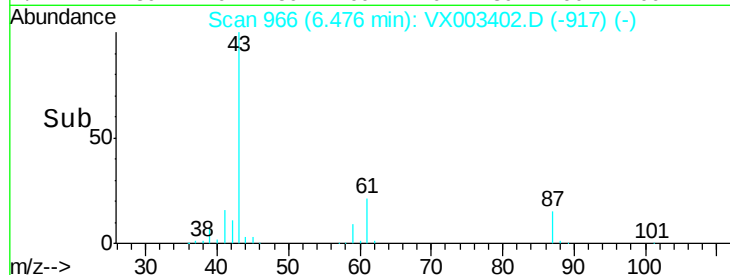
Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 61.00 (60.70 to 61.70): VX0

Ion 87.00 (86.70 to 87.70): VX0



Time-->



#50

Toluene-d8

Concen: 56.04 ug/l

RT: 8.72 min Scan# 1334

Delta R.T. -0.00 min

Lab File: VX003402.D

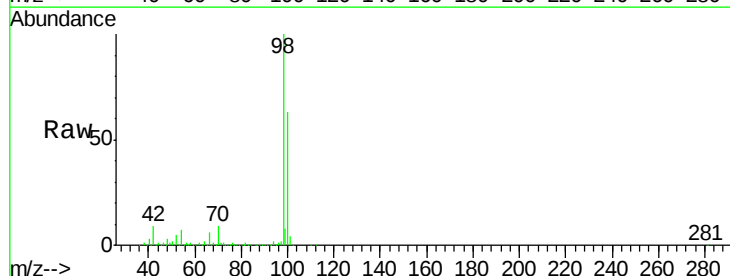
Acq: 16 Jul 2018 20:59

Tgt Ion: 98 Resp: 647212

Ion Ratio Lower Upper

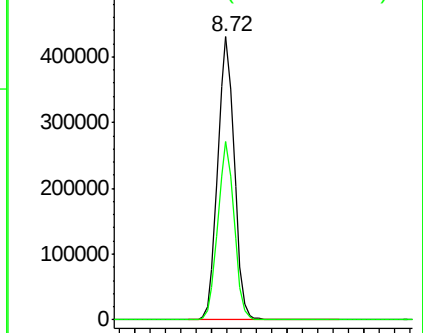
98 100

100 62.2 50.9 76.3

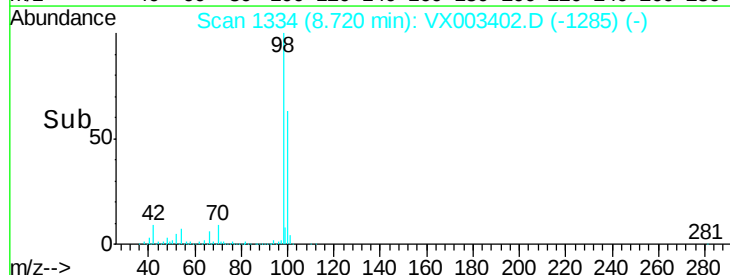


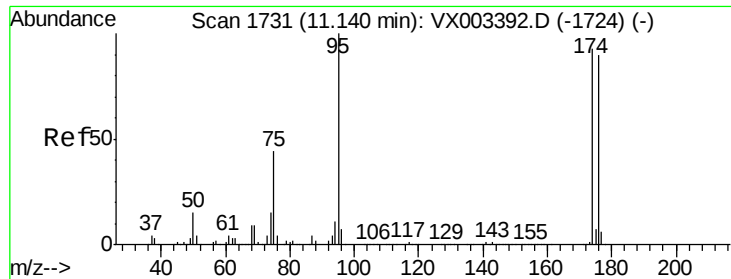
Abundance Ion 98.00 (97.70 to 98.70): VX0

Ion 100.00 (99.70 to 100.70): VX0



Time-->





#62

4-Bromofluorobenzene

Concen: 48.44 ug/l

RT: 11.14 min Scan# 1731

Delta R.T. -0.00 min

Lab File: VX003402.D

Acq: 16 Jul 2018 20:59

Instrument :

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ClientSampleId :

PB111123ZHE#10

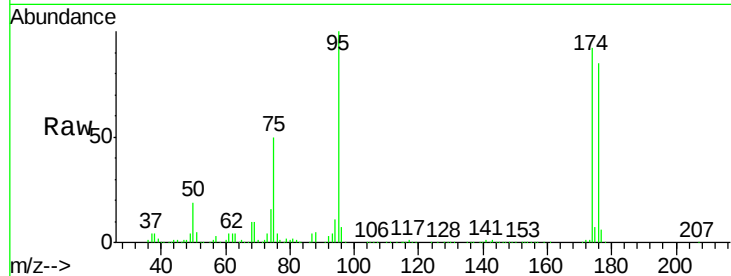
Tot Ion: 95 Resp: 199720

Ion Ratio Lower Upper

95 100

174 98.5 0.0 187.4

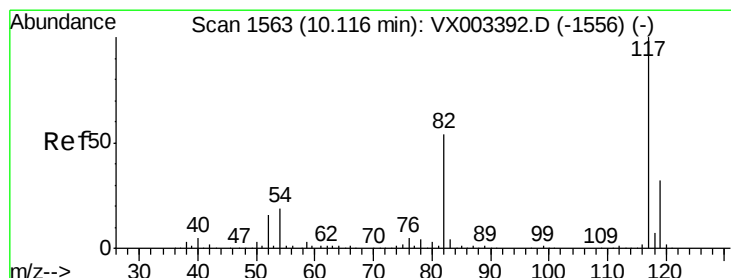
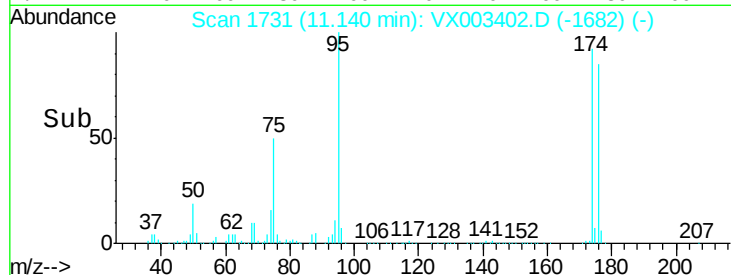
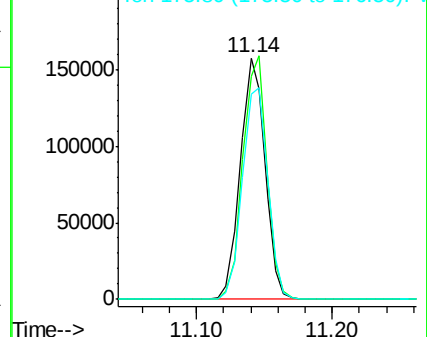
176 90.5 0.0 181.0



Abundance Ion 94.90 (94.60 to 95.60): VX003392.D (-1724) (-)

Ion 173.80 (173.50 to 174.50): VX003392.D (-1724) (-)

Ion 175.80 (175.50 to 176.50): VX003392.D (-1724) (-)



#63

Chlorobenzene-d5

Concen: 50.00 ug/l

RT: 10.12 min Scan# 1563

Delta R.T. -0.00 min

Lab File: VX003402.D

Acq: 16 Jul 2018 20:59

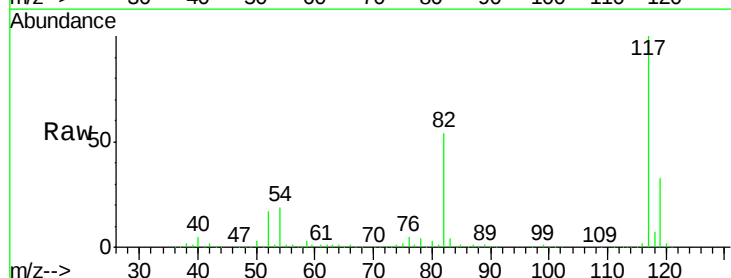
Tgt Ion: 117 Resp: 362014

Ion Ratio Lower Upper

117 100

82 54.0 45.0 67.4

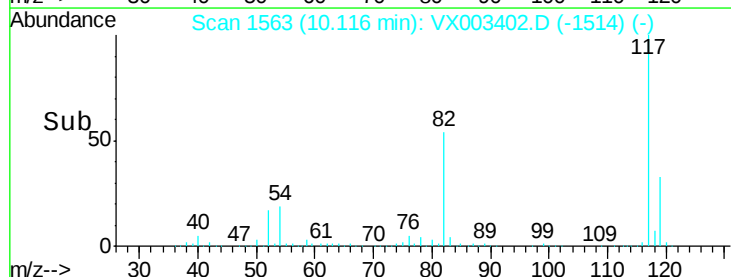
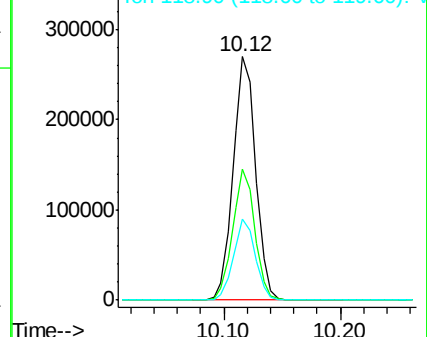
119 33.0 25.8 38.6

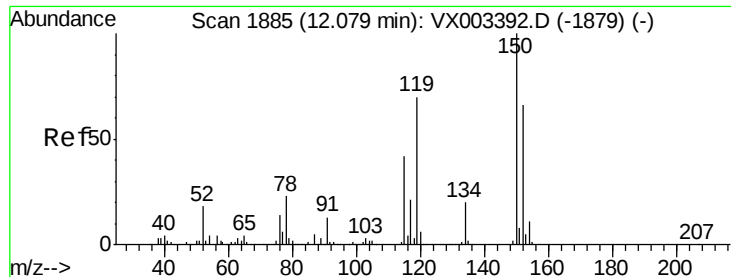


Abundance Ion 116.90 (116.60 to 117.60): VX003392.D (-1556) (-)

Ion 82.00 (81.70 to 82.70): VX003392.D (-1556) (-)

Ion 118.90 (118.60 to 119.60): VX003392.D (-1556) (-)





#72

1,4-Dichlorobenzene-d4

Concen: 50.00 ug/l

RT: 12.09 min Scan# 1886

Delta R.T. 0.01 min

Lab File: VX003402.D

Acq: 16 Jul 2018 20:59

Instrument :

MSVOA_X

ClientSampleId :

PB111123ZHE#10

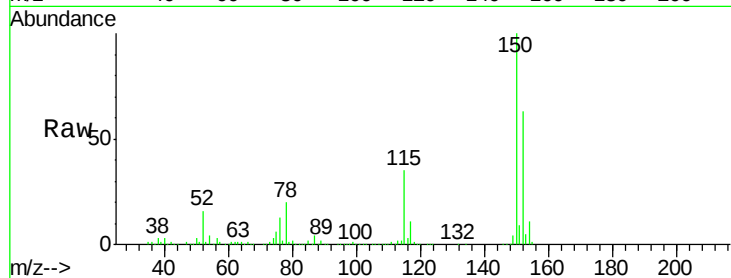
Tot Ion:152 Resp: 200070

Ion Ratio Lower Upper

152 100

115 56.0 40.1 120.2

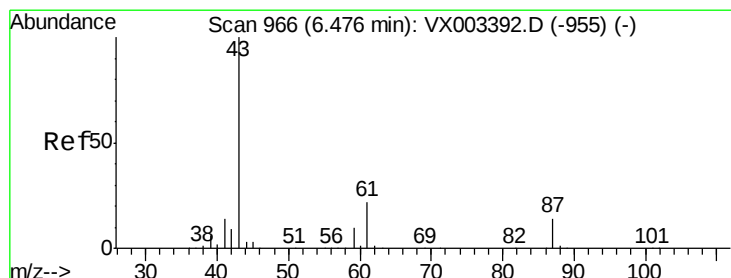
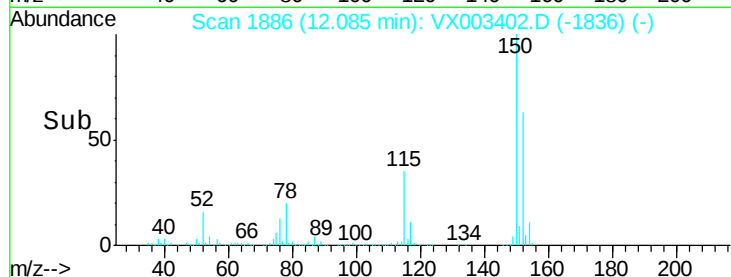
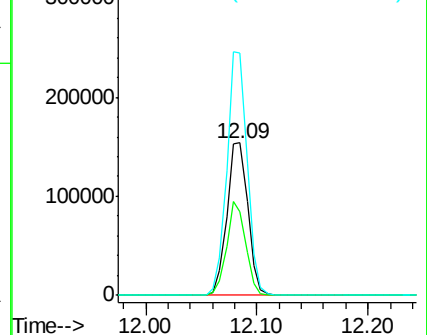
150 155.5 0.0 347.2



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



#74

N-amil acetate

Concen: 21.14 ug/l

RT: 6.48 min Scan# 966

Delta R.T. -0.00 min

Lab File: VX003402.D

Acq: 16 Jul 2018 20:59

Tgt Ion: 43 Resp: 130215

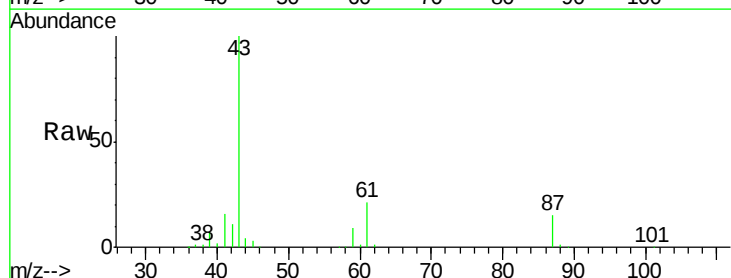
Ion Ratio Lower Upper

43 100

70 0.0 0.0 0.0

55 0.0 0.0 0.0

61 21.2 14.4 21.6



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 70.00 (69.70 to 70.70): VX0

Ion 55.00 (54.70 to 55.70): VX0

Ion 61.00 (60.70 to 61.70): VX0

