

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX062819\
 Data File : VX010548.D
 Acq On : 28 Jun 2019 20:28
 Operator : JC/SP
 Sample : K3521-38
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 25 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 PK-101

Quant Time: Jun 29 06:32:34 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X061919W.M
 Quant Title : SW846 8260
 QLast Update : Thu Jun 20 03:31:56 2019
 Response via : Initial Calibration

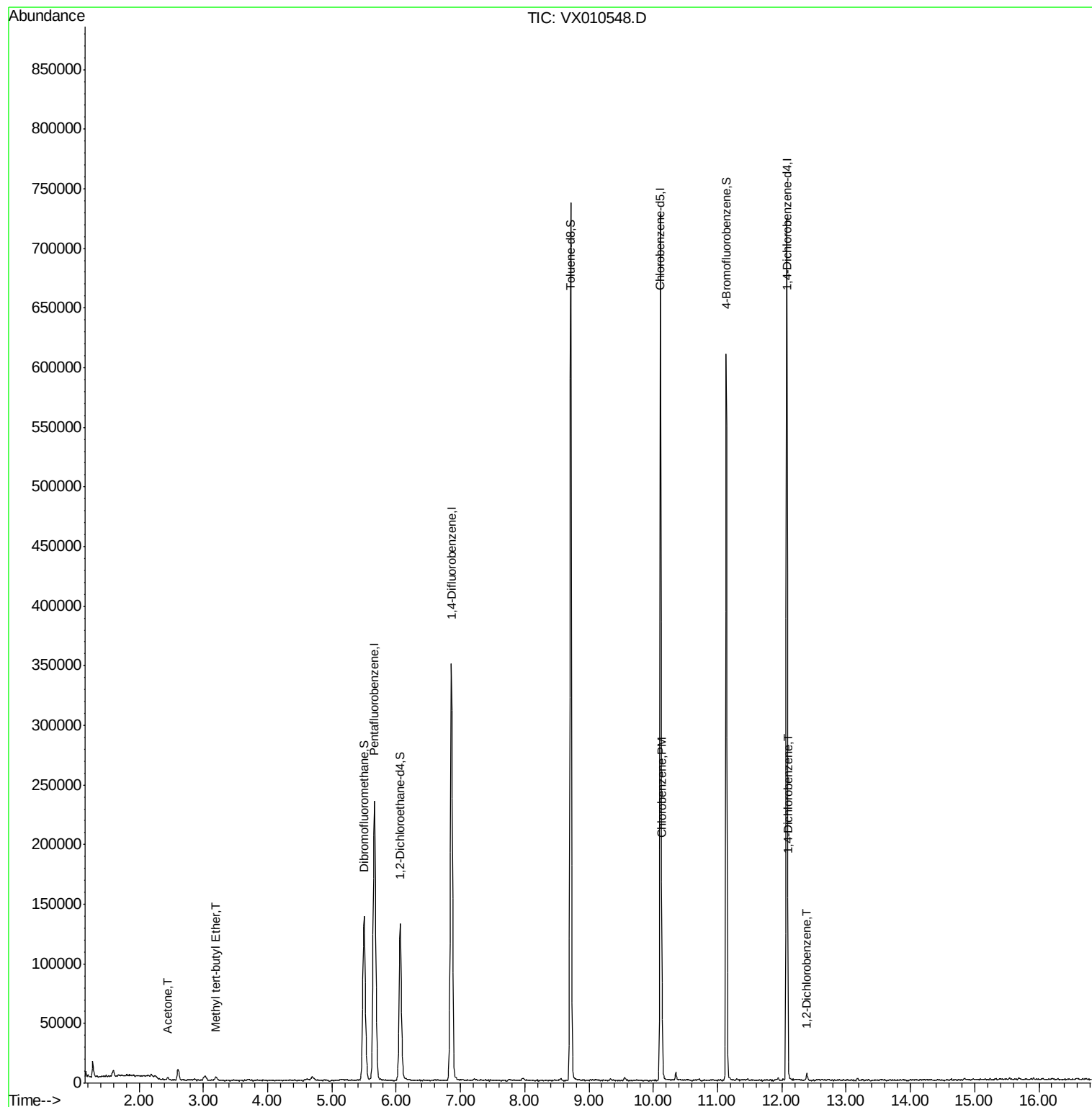
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.67	168	246651	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	382251	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	348726	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	162999	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	6.06	65	117740	50.91	ug/l	0.00
Spiked Amount 50.000			Recovery	=	101.82%	
35) Dibromofluoromethane	5.50	113	114449	48.94	ug/l	0.00
Spiked Amount 50.000			Recovery	=	97.88%	
50) Toluene-d8	8.71	98	452178	50.54	ug/l	0.00
Spiked Amount 50.000			Recovery	=	101.08%	
62) 4-Bromofluorobenzene	11.13	95	153392	47.48	ug/l	0.00
Spiked Amount 50.000			Recovery	=	94.96%	
Target Compounds						
16) Acetone	2.45	43	2228	1.922	ug/l #	87
19) Methyl tert-butyl Ether	3.20	73	3463	0.515	ug/l	94
65) Chlorobenzene	10.13	112	22234	3.140	ug/l	93
88) 1,4-Dichlorobenzene	12.10	146	4686	0.855	ug/l #	65
91) 1,2-Dichlorobenzene	12.39	146	1630	0.305	ug/l	83

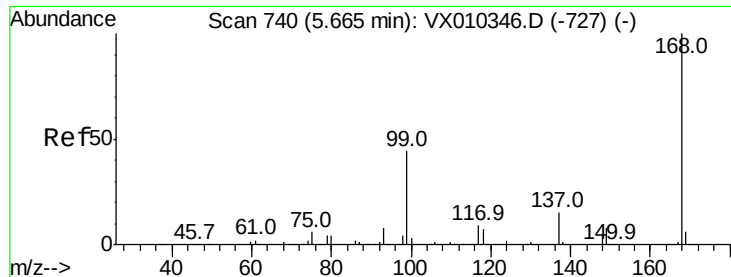
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_X\METHOD\82X061919W.M
Quant Title : SW846 8260
QLast Update : Thu Jun 20 03:31:56 2019
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.67 min Scan# 740

Delta R.T. 0.00 min

Lab File: VX010548.D

Acq: 28 Jun 2019 20:28

Instrument :

MSVOA_X

ClientSampled :

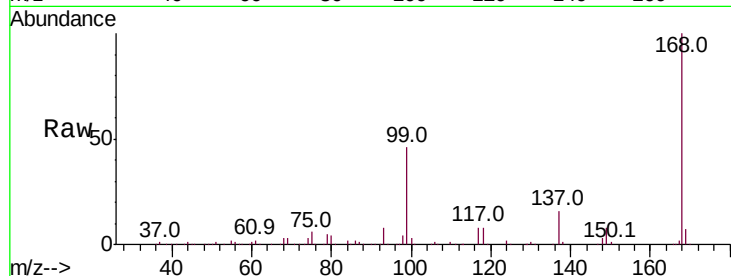
PK-10I

Tot Ion:168 Resp: 246651

Ion Ratio Lower Upper

168 100

99 45.7 35.5 53.3



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.67

80000

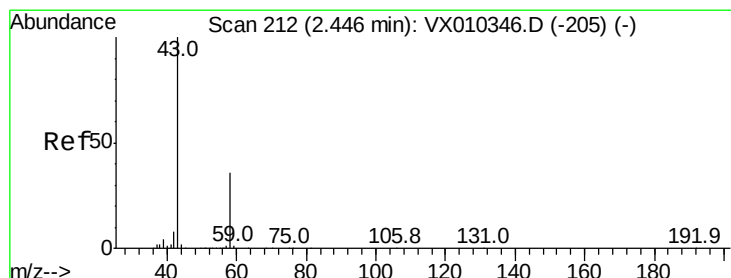
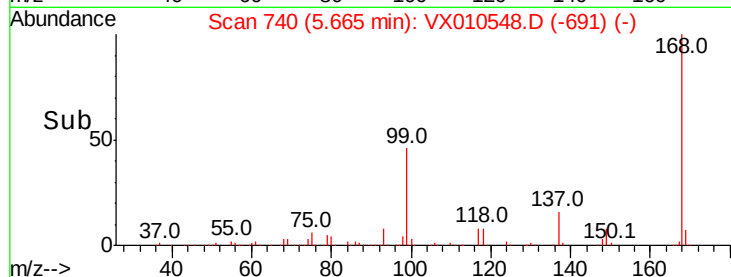
60000

40000

20000

0

Time--> 5.50 5.60 5.70 5.80



#16

Acetone

Concen: 1.922 ug/l

RT: 2.45 min Scan# 212

Delta R.T. 0.00 min

Lab File: VX010548.D

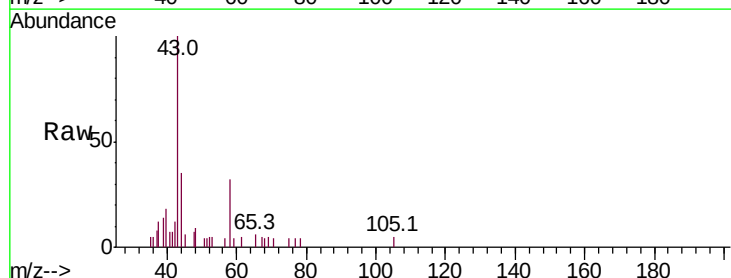
Acq: 28 Jun 2019 20:28

Tgt Ion: 43 Resp: 2228

Ion Ratio Lower Upper

43 100

58 28.3 28.9 43.3#



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0

2.45

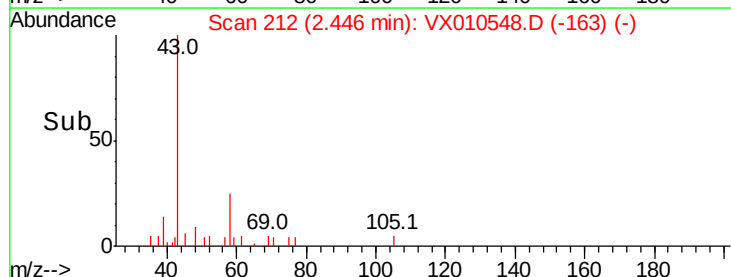
1500

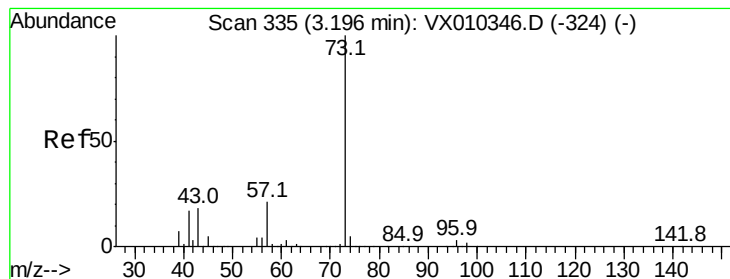
1000

500

0

Time--> 2.40 2.45 2.50





#19

Methyl tert-butyl Ether

Concen: 0.515 ug/l

RT: 3.20 min Scan# 335

Delta R.T. 0.00 min

Lab File: VX010548.D

Acq: 28 Jun 2019 20:28

Instrument :

MSVOA_X

ClientSampleId :

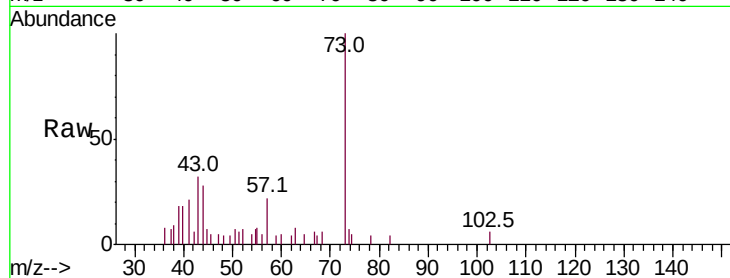
PK-101

Tot Ion: 73 Resp: 3463

Ion Ratio Lower Upper

73 100

57 17.6 16.4 24.6



Abundance Ion 73.00 (72.70 to 73.70): VX0

Ion 57.00 (56.70 to 57.70): VX0

3.20

1500

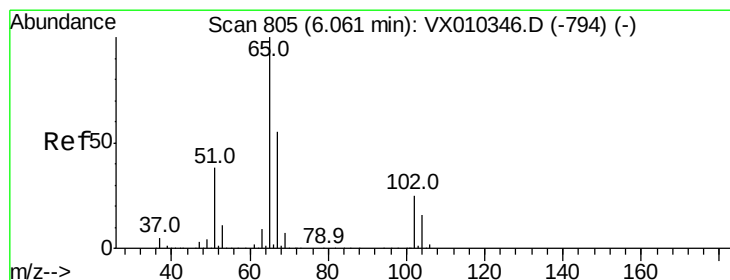
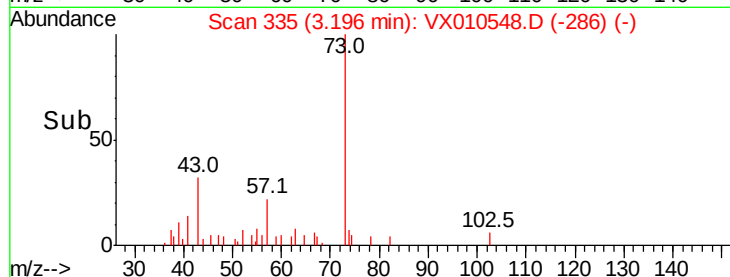
1000

500

0

Time-->

3.10 3.15 3.20 3.25 3.30



#33

1,2-Dichloroethane-d4

Concen: 50.912 ug/l

RT: 6.06 min Scan# 805

Delta R.T. 0.00 min

Lab File: VX010548.D

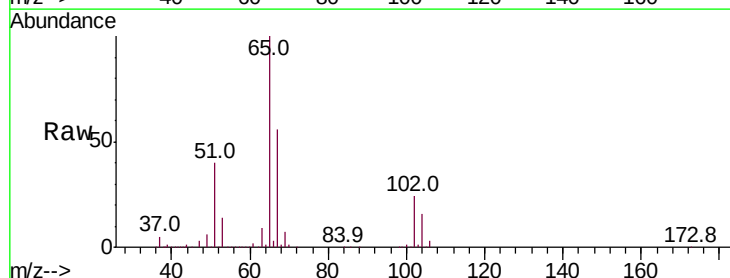
Acq: 28 Jun 2019 20:28

Tgt Ion: 65 Resp: 117740

Ion Ratio Lower Upper

65 100

67 56.0 0.0 110.2



Abundance Ion 64.90 (64.60 to 65.60): VX0

Ion 66.90 (66.60 to 67.60): VX0

6.06

50000

40000

30000

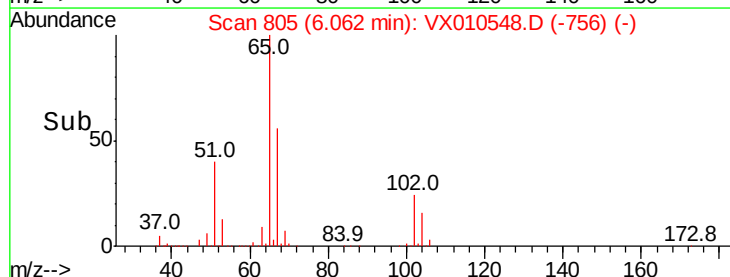
20000

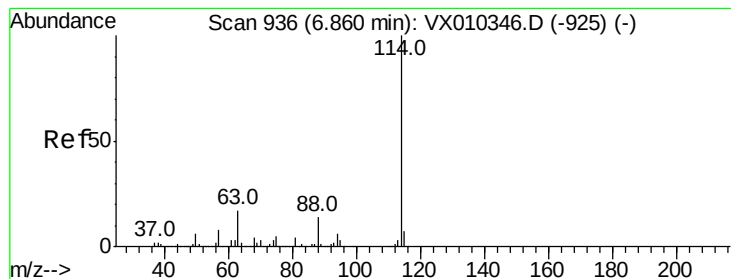
10000

0

Time-->

5.90 6.00 6.10 6.20





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.86 min Scan# 936

Delta R.T. 0.00 min

Lab File: VX010548.D

Acq: 28 Jun 2019 20:28

Instrument :

MSVOA_X

ClientSampleId :

PK-10I

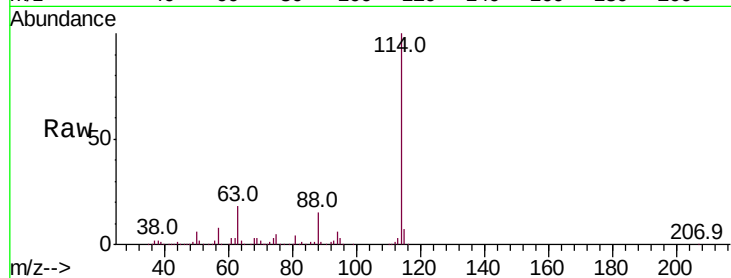
Tot Ion:114 Resp: 382251

Ion Ratio Lower Upper

114 100

63 17.7 0.0 33.8

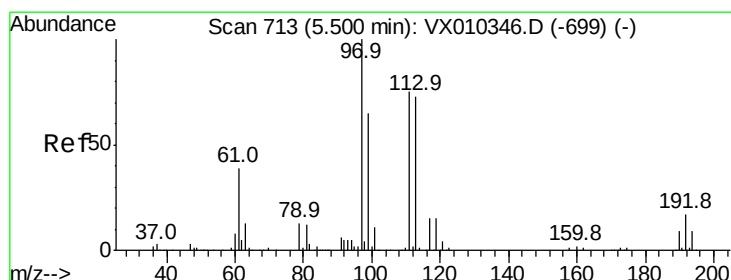
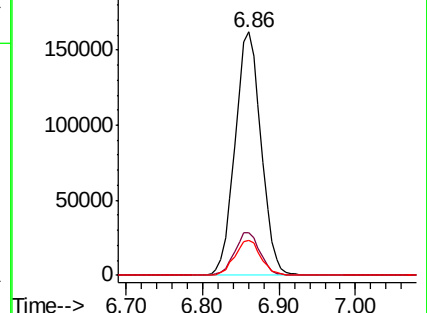
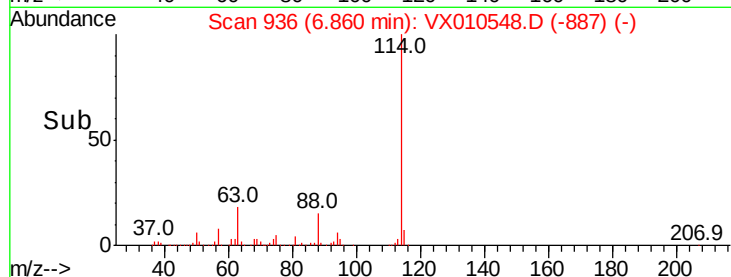
88 14.6 0.0 27.6



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: 48.936 ug/l

RT: 5.50 min Scan# 713

Delta R.T. 0.00 min

Lab File: VX010548.D

Acq: 28 Jun 2019 20:28

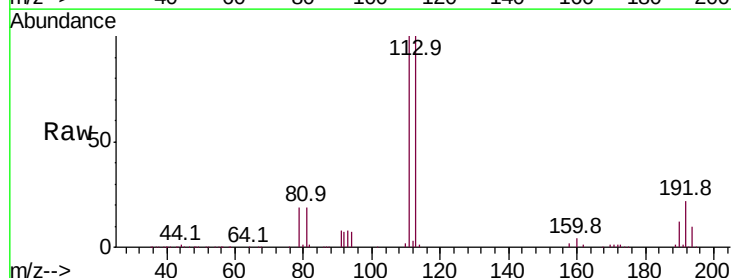
Tgt Ion:113 Resp: 114449

Ion Ratio Lower Upper

113 100

111 101.2 81.2 121.8

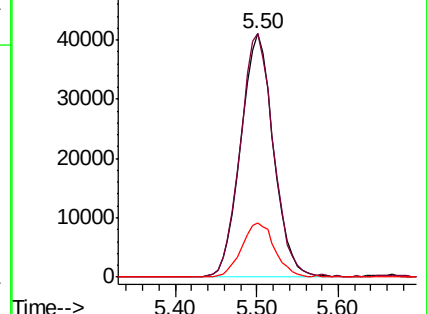
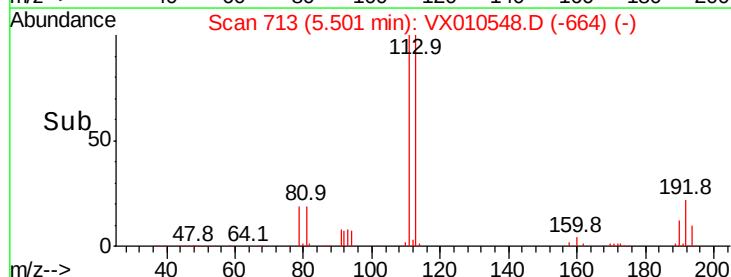
192 22.6 18.6 27.8

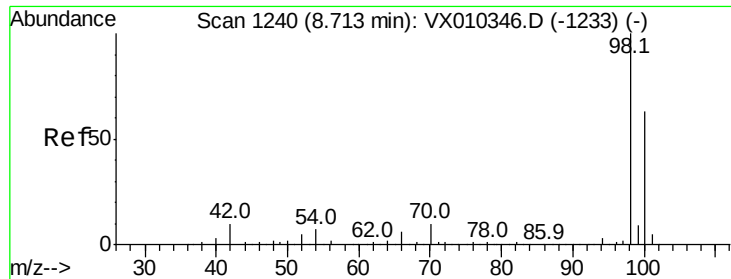


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V

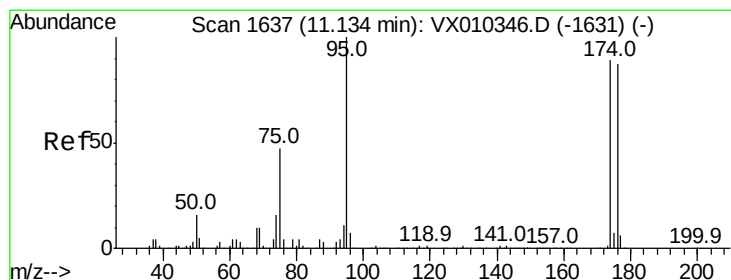
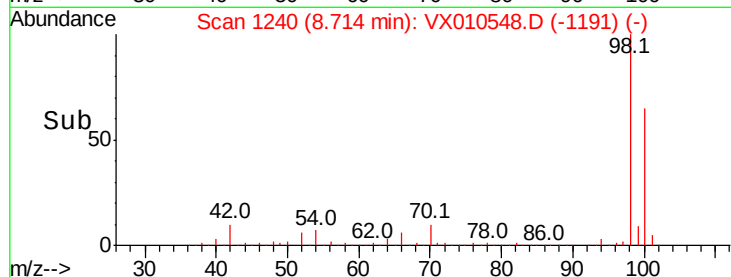
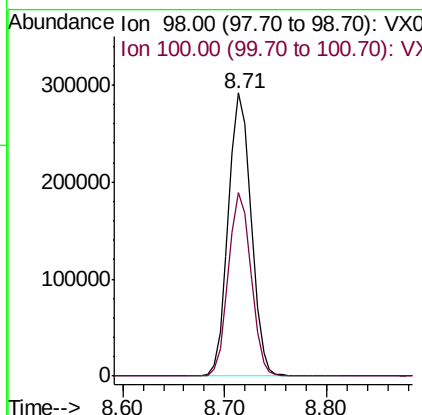
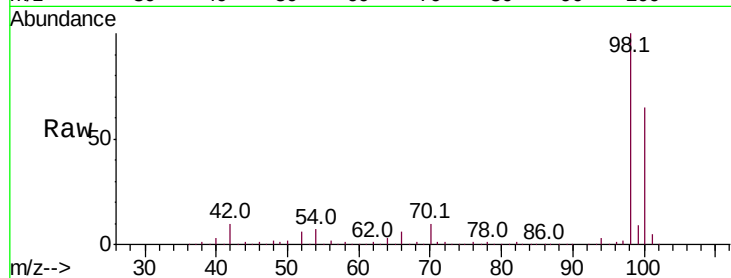




#50
Toluene-d8
Concen: 50.536 ug/l
RT: 8.71 min Scan# 1240
Delta R.T. 0.00 min
Lab File: VX010548.D
Acq: 28 Jun 2019 20:28

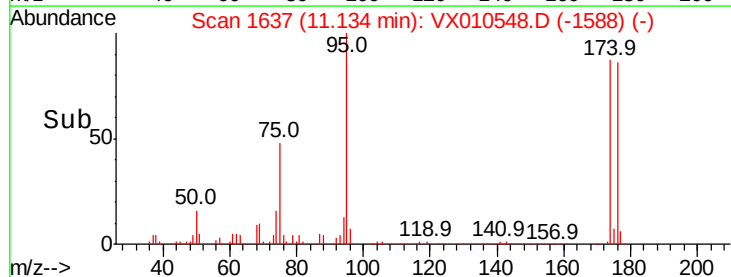
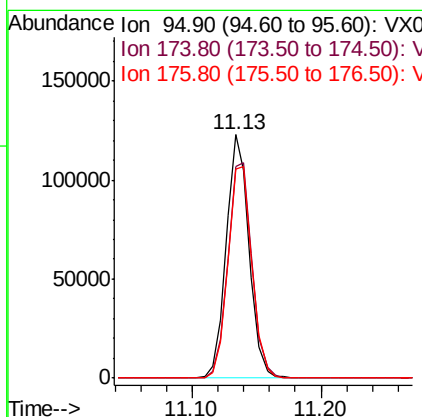
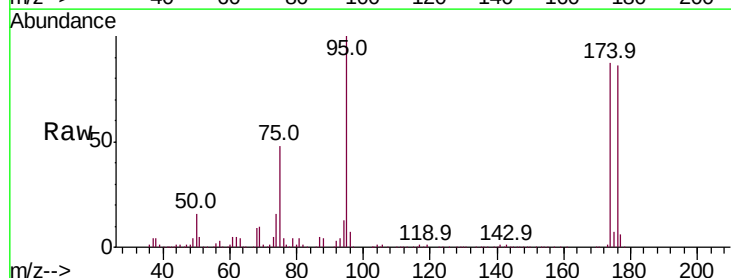
Instrument :
MSVOA_X
ClientSampleId :
PK-101

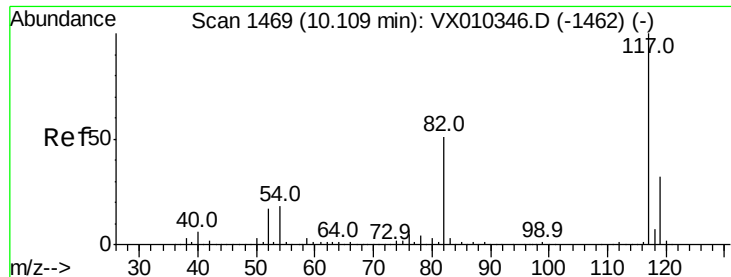
Tot Ion: 98 Resp: 452178
Ion Ratio Lower Upper
98 100
100 64.1 51.6 77.4



#62
4-Bromofluorobenzene
Concen: 47.485 ug/l
RT: 11.13 min Scan# 1637
Delta R.T. 0.00 min
Lab File: VX010548.D
Acq: 28 Jun 2019 20:28

Tgt Ion: 95 Resp: 153392
Ion Ratio Lower Upper
95 100
174 93.4 0.0 187.6
176 91.6 0.0 184.0

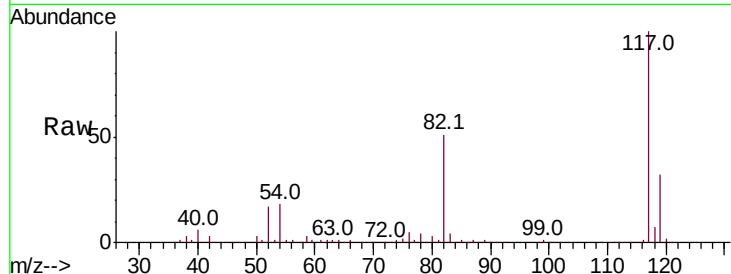




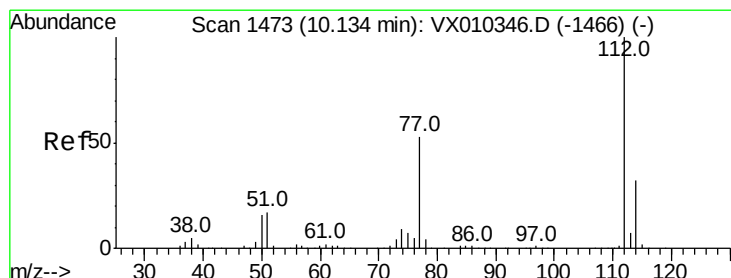
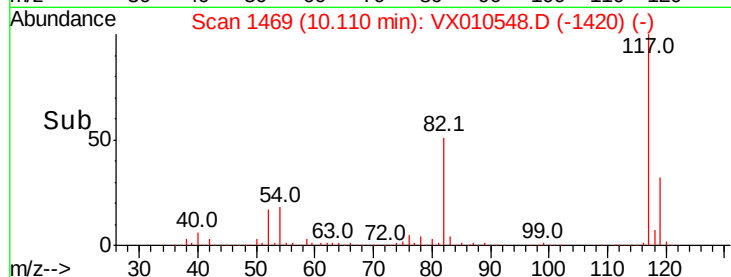
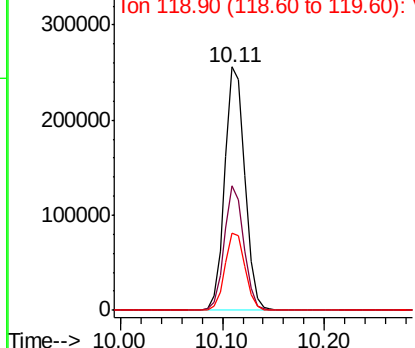
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.11 min Scan# 1469
Delta R.T. 0.00 min
Lab File: VX010548.D
Acq: 28 Jun 2019 20:28

Instrument :
MSVOA_X
ClientSampleId :
PK-10I

Tot Ion:117 Resp: 348726
Ion Ratio Lower Upper
117 100
82 51.1 41.2 61.8
119 31.8 25.5 38.3

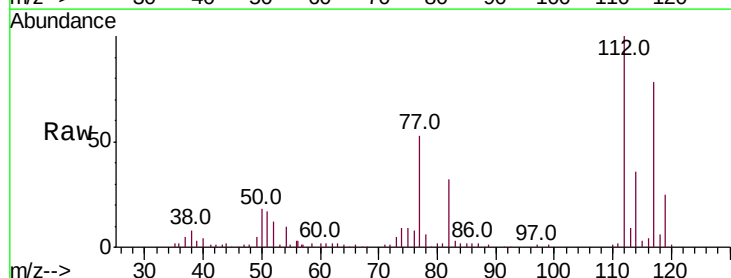


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): VX0
Ion 118.90 (118.60 to 119.60): V

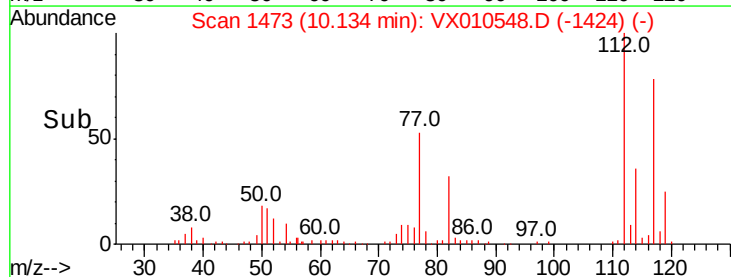
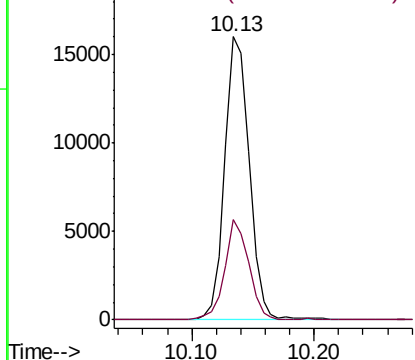


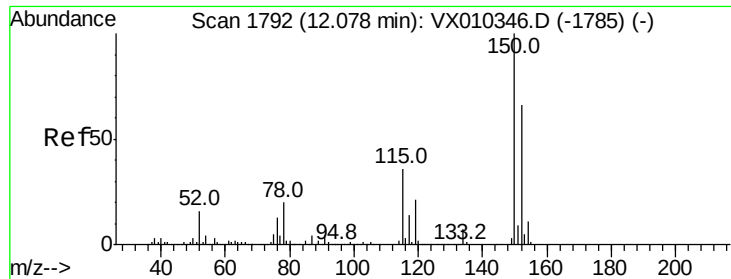
#65
Chlorobenzene
Concen: 3.140 ug/l
RT: 10.13 min Scan# 1473
Delta R.T. 0.00 min
Lab File: VX010548.D
Acq: 28 Jun 2019 20:28

Tgt Ion:112 Resp: 22234
Ion Ratio Lower Upper
112 100
114 35.6 25.4 38.2



Abundance Ion 111.90 (111.60 to 112.60): V
Ion 113.90 (113.60 to 114.60): V





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.08 min Scan# 1792

Delta R.T. 0.00 min

Lab File: VX010548.D

Acq: 28 Jun 2019 20:28

Instrument :

MSVOA_X

ClientSampleId :

PK-10I

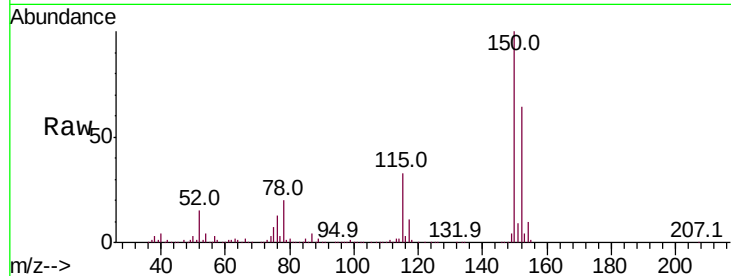
Tot Ion:152 Resp: 162999

Ion Ratio Lower Upper

152 100

115 54.3 38.6 115.7

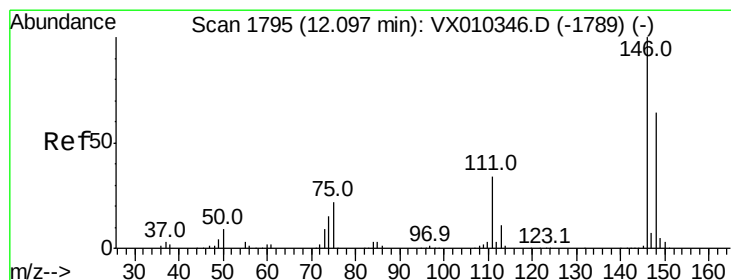
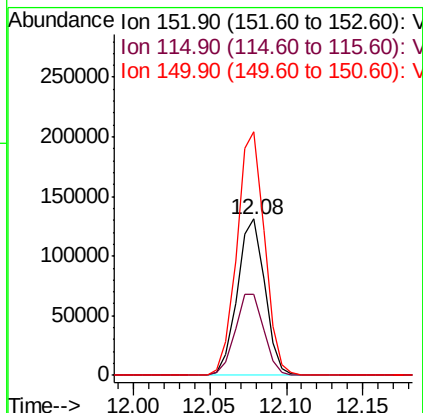
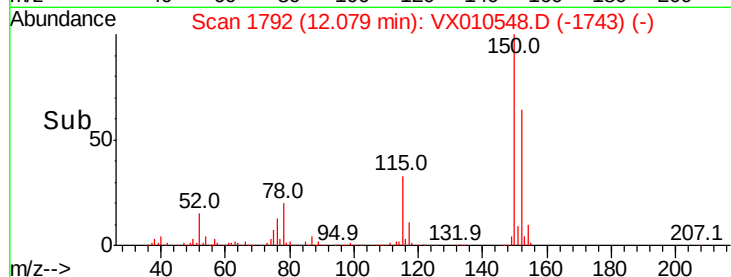
150 157.3 0.0 347.4



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



#88

1,4-Dichlorobenzene

Concen: 0.855 ug/l

RT: 12.10 min Scan# 1795

Delta R.T. 0.00 min

Lab File: VX010548.D

Acq: 28 Jun 2019 20:28

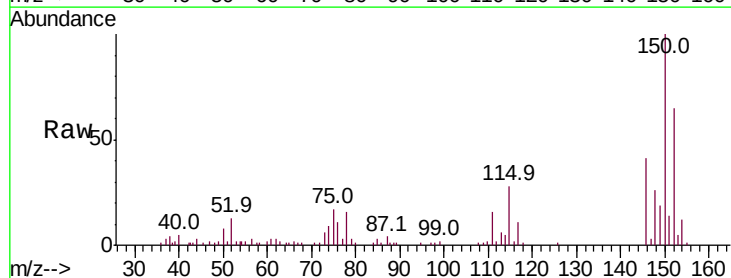
Tgt Ion:146 Resp: 4686

Ion Ratio Lower Upper

146 100

111 79.4 18.1 54.3#

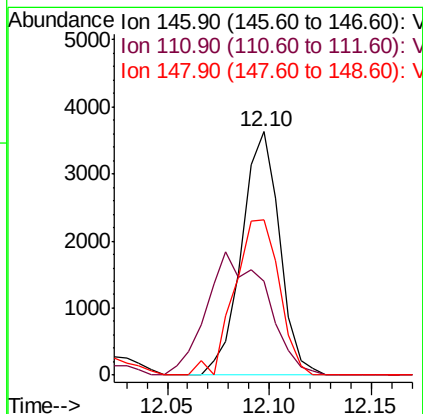
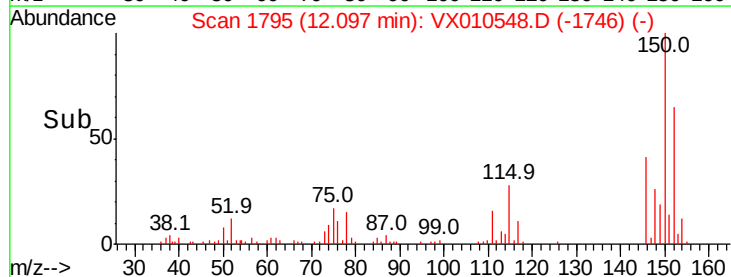
148 75.0 32.1 96.3

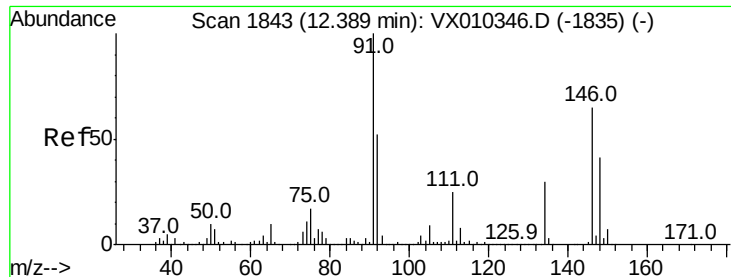


Abundance Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V





#91

1,2-Dichlorobenzene

Concen: 0.305 ug/l

RT: 12.39 min Scan# 1843

Delta R.T. 0.00 min

Lab File: VX010548.D

Acq: 28 Jun 2019 20:28

Instrument :

MSVOA_X

ClientSampleId :

PK-10I

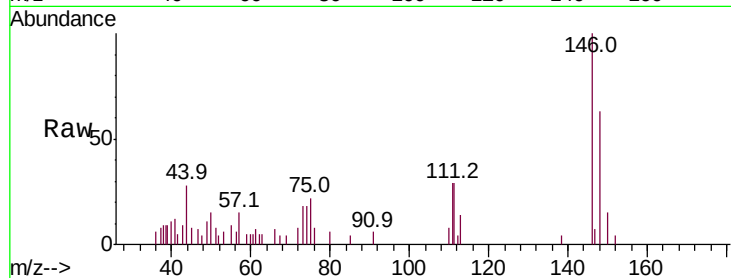
Tot Ion:146 Resp: 1630

Ion Ratio Lower Upper

146 100

111 52.9 19.2 57.6

148 74.5 32.0 96.0



Abundance Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V

