

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX061419\
 Data File : VX010302.D
 Acq On : 14 Jun 2019 15:52
 Operator : JC/SP
 Sample : K3309-04
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 LF001MW002-190610

Quant Time: Jun 15 01:59:52 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X060719W.M
 Quant Title : SW846 8260
 QLast Update : Sat Jun 08 02:12:13 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.66	168	317763	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	489487	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	438926	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	208379	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	6.06	65	144761	46.67	ug/l	0.00
Spiked Amount			Recovery	=	93.34%	
35) Dibromofluoromethane	5.50	113	146464	48.51	ug/l	0.00
Spiked Amount			Recovery	=	97.02%	
50) Toluene-d8	8.71	98	568993	50.28	ug/l	0.00
Spiked Amount			Recovery	=	100.56%	
62) 4-Bromofluorobenzene	11.13	95	196836	46.58	ug/l	0.00
Spiked Amount			Recovery	=	93.16%	

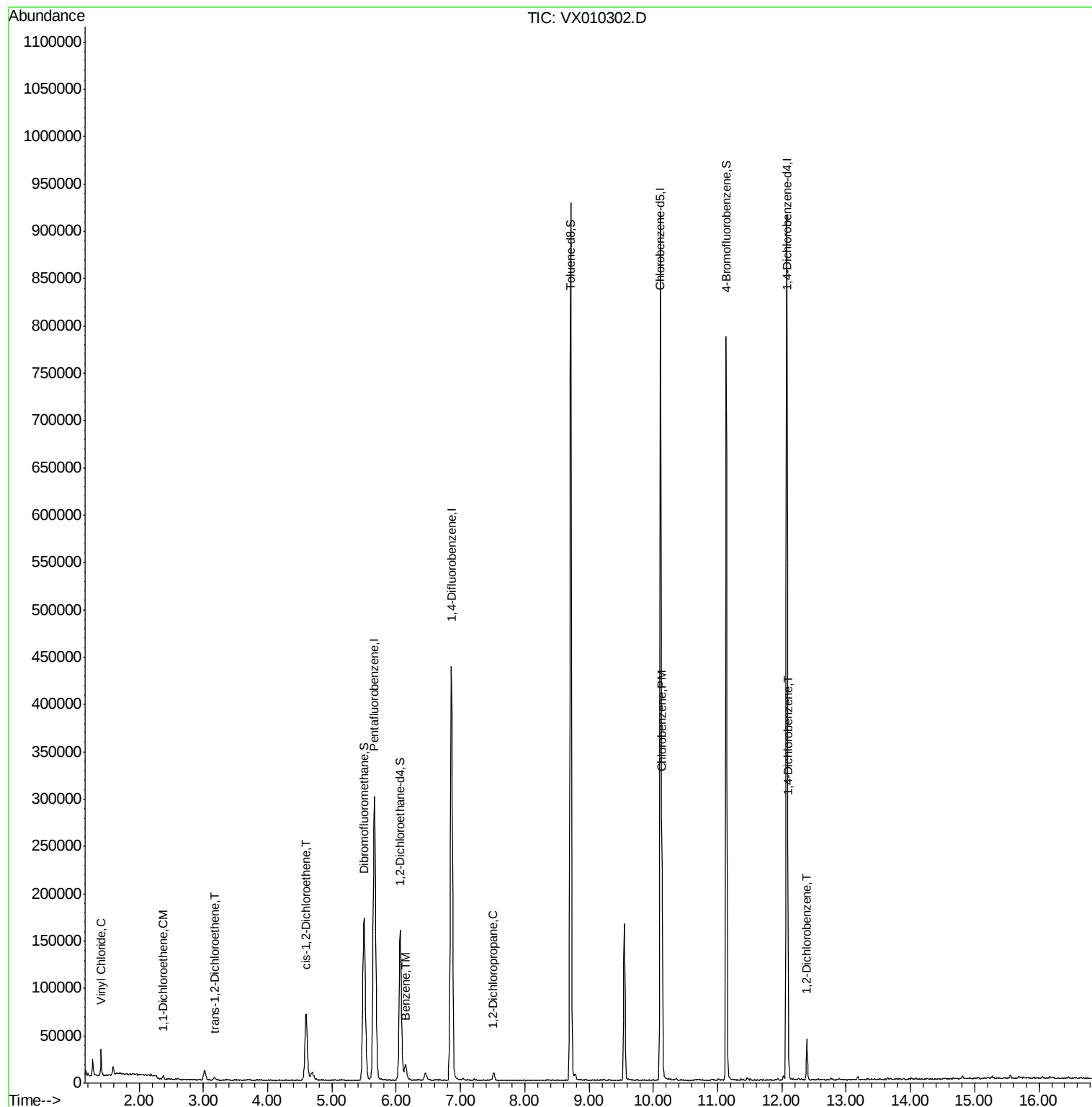
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
4) Vinyl Chloride	1.41	62	18123	6.641	ug/l	100
12) 1,1-Dichloroethene	2.38	96	1267	0.444	ug/l	84
21) trans-1,2-Dichloroethene	3.17	96	1096	0.347	ug/l #	74
27) cis-1,2-Dichloroethene	4.60	96	50037	14.240	ug/l	69
40) Benzene	6.15	78	19573	1.585	ug/l	98
45) 1,2-Dichloropropane	7.51	63	3708	1.200	ug/l	96
65) Chlorobenzene	10.13	112	91355	10.084	ug/l	99
88) 1,4-Dichlorobenzene	12.10	146	33140	4.666	ug/l	97
91) 1,2-Dichlorobenzene	12.39	146	14650	2.139	ug/l	97

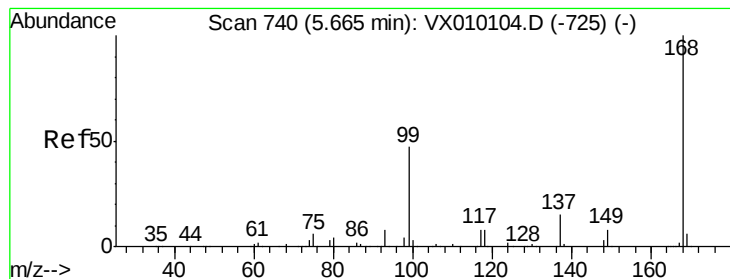
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA X\DATA\VX061419\
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Quant Time: Jun 15 01:59:52 2019
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_X\METHOD\82X060719W.M
Quant Title : SW846 8260
QLast Update : Sat Jun 08 02:12:13 2019
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.66 min Scan# 739

Delta R.T. -0.01 min

Lab File: VX010302.D

Acq: 14 Jun 2019 15:52

Instrument :

MSVOA_X

ClientSampleId :

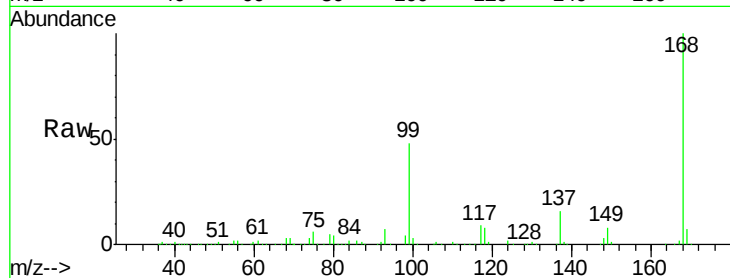
LF001MW002-190610

Tot Ion:168 Resp: 317763

Ion Ratio Lower Upper

168 100

99 48.5 43.0 64.6



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.66

120000

100000

80000

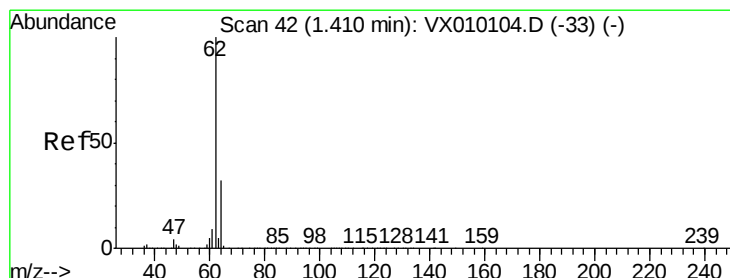
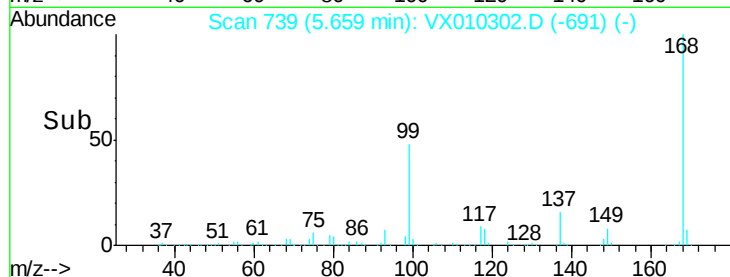
60000

40000

20000

0

Time--> 5.50 5.60 5.70 5.80



#4

Vinyl Chloride

Concen: 6.641 ug/l

RT: 1.41 min Scan# 42

Delta R.T. -0.00 min

Lab File: VX010302.D

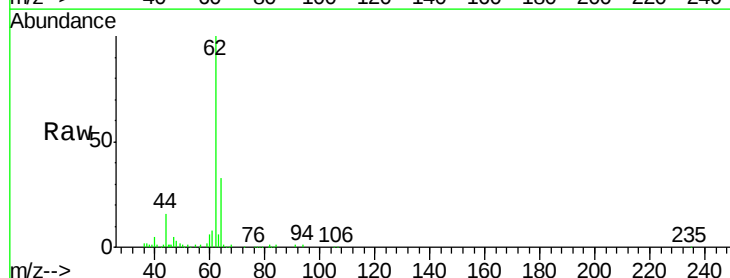
Acq: 14 Jun 2019 15:52

Tgt Ion: 62 Resp: 18123

Ion Ratio Lower Upper

62 100

64 32.2 25.7 38.5



Abundance Ion 61.90 (61.60 to 62.60): VX0

Ion 63.90 (63.60 to 64.60): VX0

1.41

20000

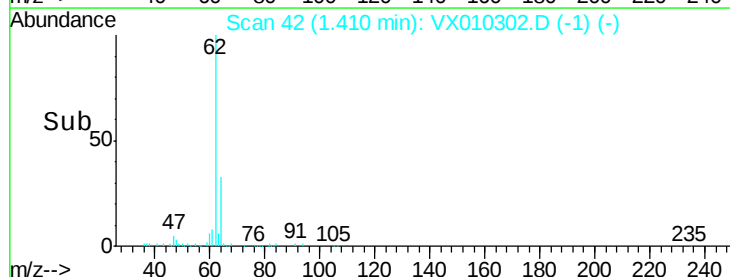
15000

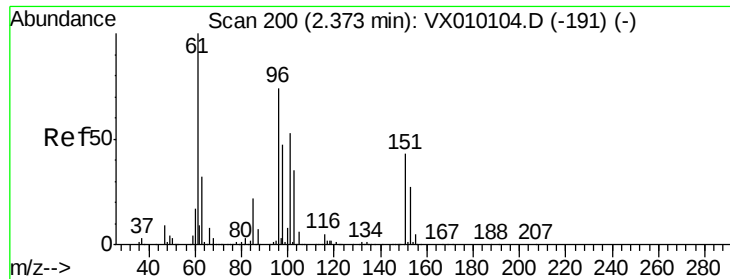
10000

5000

0

Time--> 1.35 1.40 1.45 1.50





#12

1,1-Dichloroethene

Concen: 0.444 ug/l

RT: 2.38 min Scan# 201

Delta R.T. 0.01 min

Lab File: VX010302.D

Acq: 14 Jun 2019 15:52

Instrument :

MSVOA_X

ClientSampleId :

LF001MW002-190610

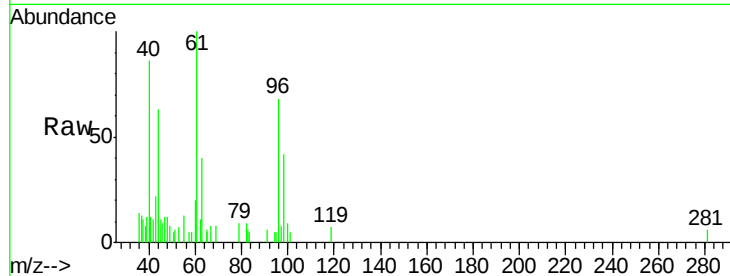
Tot Ion: 96 Resp: 1267

Ion Ratio Lower Upper

96 100

61 147.0 140.7 211.1

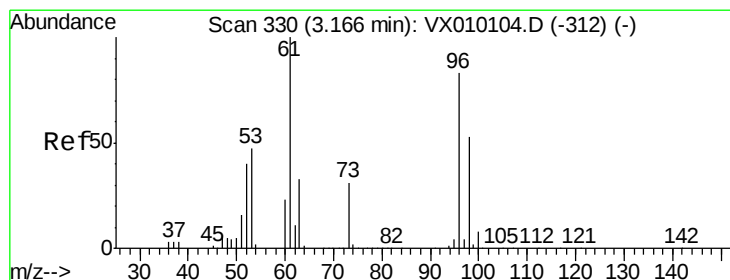
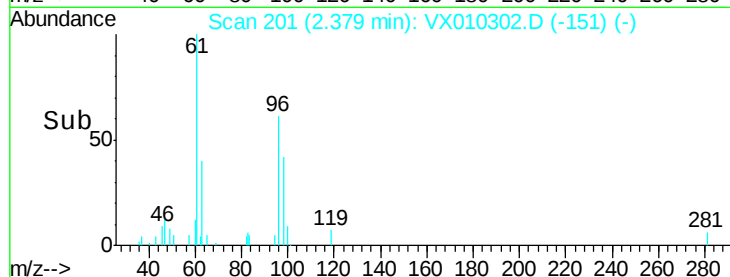
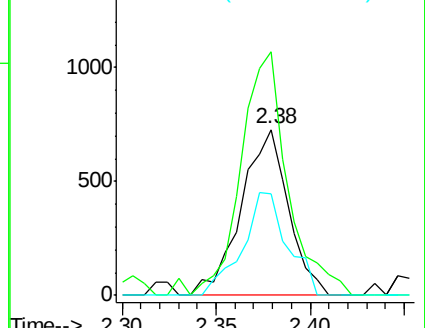
98 61.6 50.1 75.1



Abundance Ion 95.90 (95.60 to 96.60): VX0

Ion 60.90 (60.60 to 61.60): VX0

Ion 97.90 (97.60 to 98.60): VX0



#21

trans-1,2-Dichloroethene

Concen: 0.347 ug/l

RT: 3.17 min Scan# 330

Delta R.T. -0.00 min

Lab File: VX010302.D

Acq: 14 Jun 2019 15:52

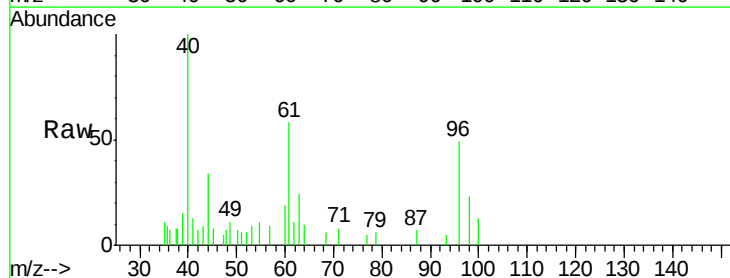
Tgt Ion: 96 Resp: 1096

Ion Ratio Lower Upper

96 100

61 119.3 125.7 188.5#

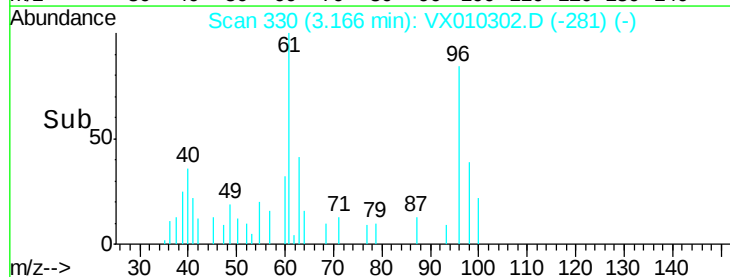
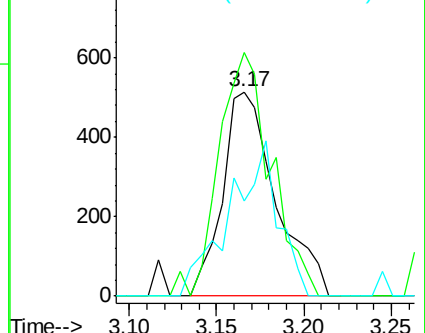
98 46.9 49.0 73.6#

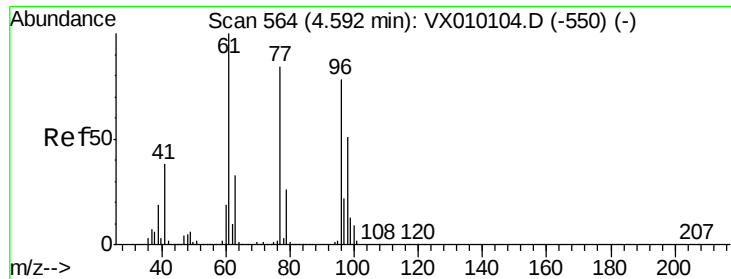


Abundance Ion 95.90 (95.60 to 96.60): VX0

Ion 60.90 (60.60 to 61.60): VX0

Ion 97.90 (97.60 to 98.60): VX0



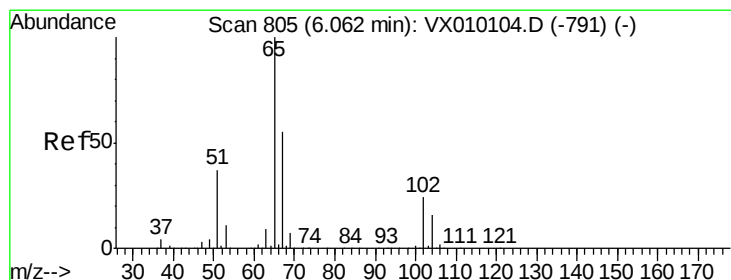
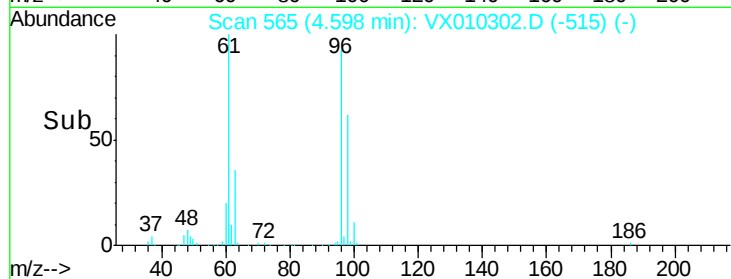
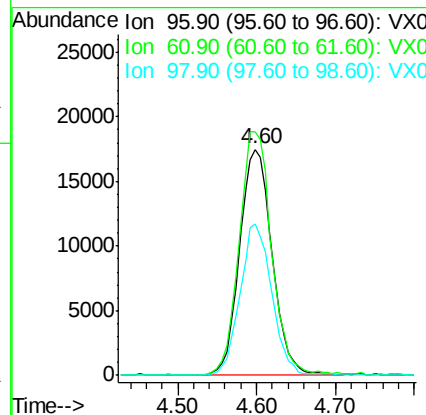
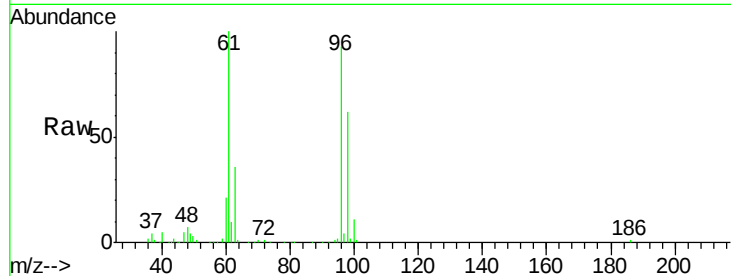


#27

cis-1,2-Dichloroethene
 Concen: 14.240 ug/l
 RT: 4.60 min Scan# 565
 Delta R.T. 0.01 min
 Lab File: VX010302.D
 Acq: 14 Jun 2019 15:52

Instrument :
 MSVOA_X
 ClientSampleId :
 LF001MW002-190610

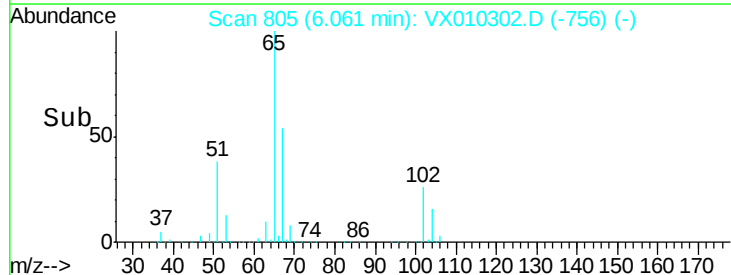
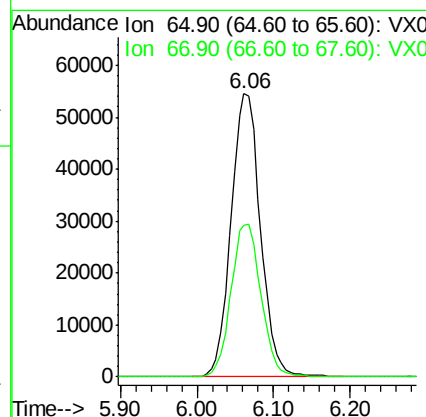
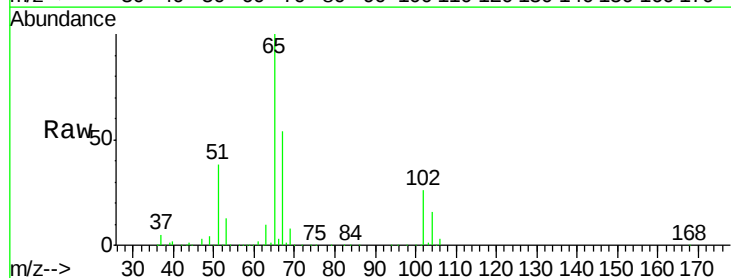
Tot Ion	96	Resp	50037
Ion	Ratio	Lower	Upper
96	100		
61	108.6	0.0	334.0
98	65.2	0.0	131.6

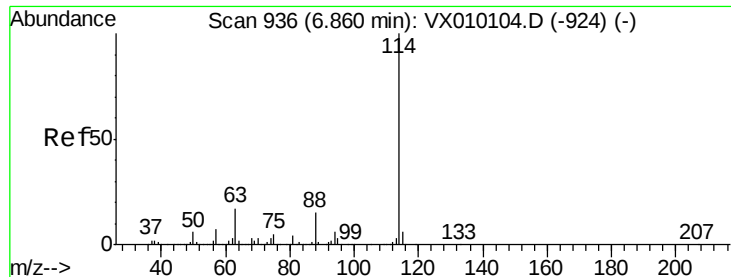


#33

1,2-Dichloroethane-d4
 Concen: 46.671 ug/l
 RT: 6.06 min Scan# 805
 Delta R.T. 0.00 min
 Lab File: VX010302.D
 Acq: 14 Jun 2019 15:52

Tgt Ion	65	Resp	144761
Ion	Ratio	Lower	Upper
65	100		
67	55.2	0.0	108.4





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.86 min Scan# 936

Delta R.T. -0.00 min

Lab File: VX010302.D

Acq: 14 Jun 2019 15:52

Instrument :

MSVOA_X

ClientSampleId :

LF001MW002-190610

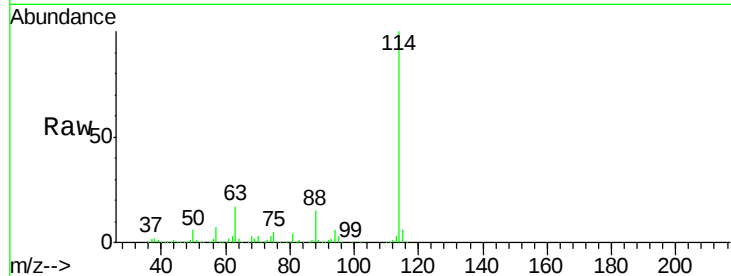
Tot Ion:114 Resp: 489487

Ion Ratio Lower Upper

114 100

63 16.9 0.0 47.4

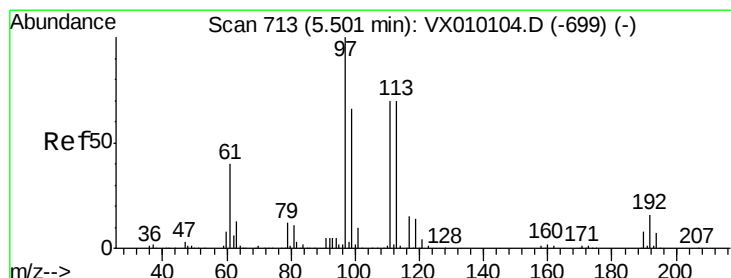
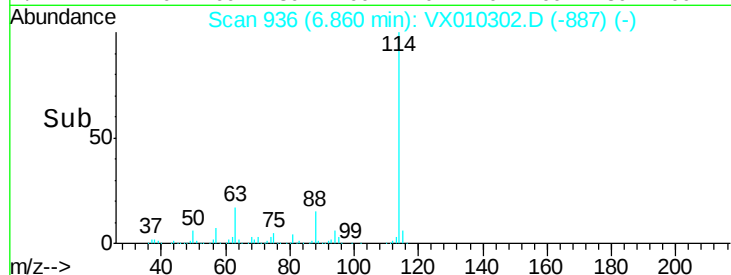
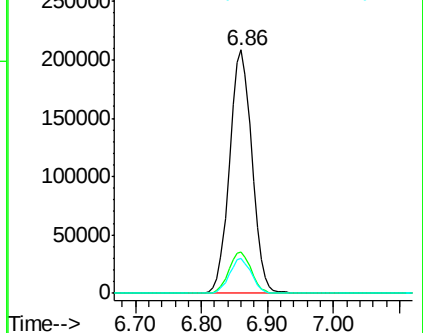
88 14.5 0.0 33.0



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: 48.510 ug/l

RT: 5.50 min Scan# 713

Delta R.T. -0.00 min

Lab File: VX010302.D

Acq: 14 Jun 2019 15:52

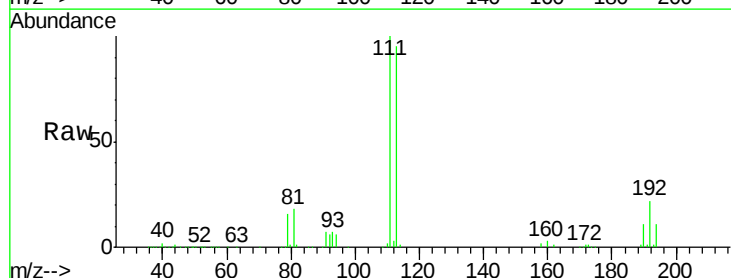
Tgt Ion:113 Resp: 146464

Ion Ratio Lower Upper

113 100

111 103.7 82.2 123.2

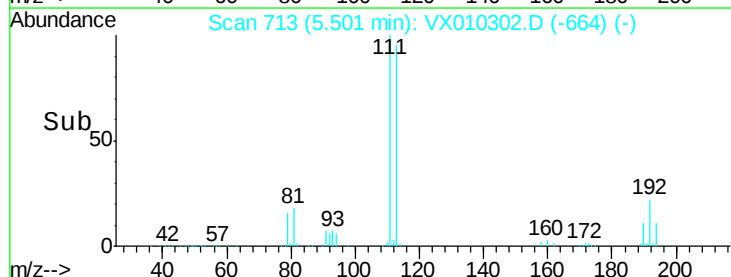
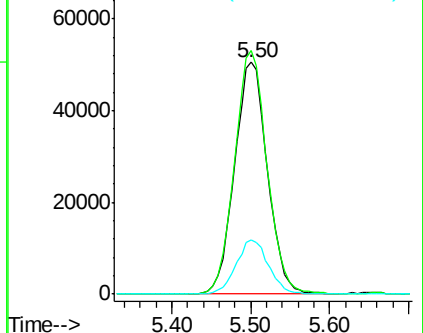
192 22.9 17.1 25.7

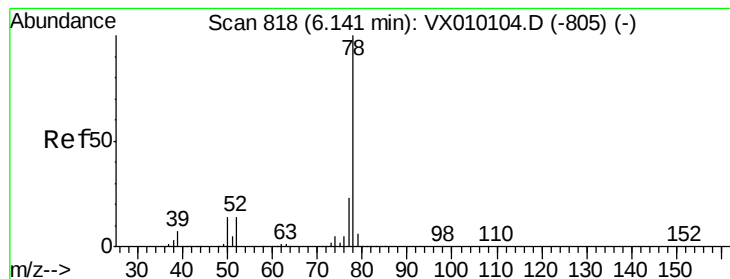


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V





#40

Benzene

Concen: 1.585 ug/l

RT: 6.15 min Scan# 819

Delta R.T. 0.01 min

Lab File: VX010302.D

Acq: 14 Jun 2019 15:52

Instrument :

MSVOA_X

ClientSampleId :

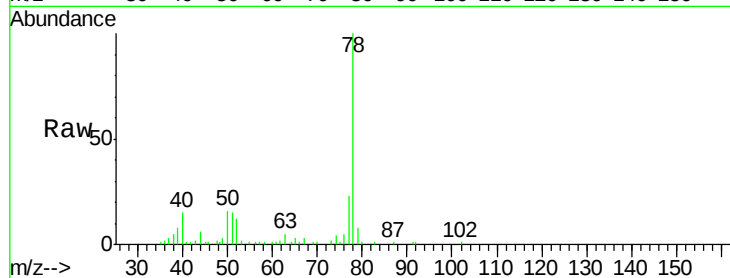
LF001MW002-190610

Tot Ion: 78 Resp: 19573

Ion Ratio Lower Upper

78 100

77 22.8 19.2 28.8



Abundance Ion 78.00 (77.70 to 78.70): VX0

Ion 77.00 (76.70 to 77.70): VX0

6.15

8000

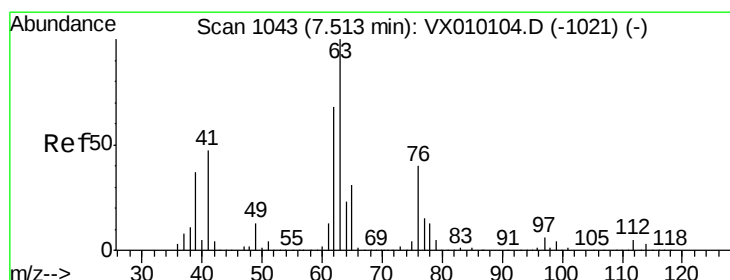
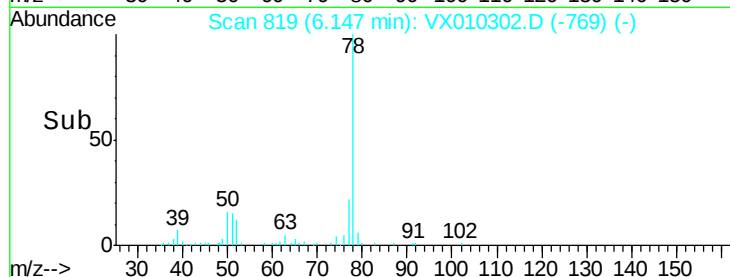
6000

4000

2000

0

Time-->



#45

1,2-Dichloropropane

Concen: 1.200 ug/l

RT: 7.51 min Scan# 1043

Delta R.T. -0.00 min

Lab File: VX010302.D

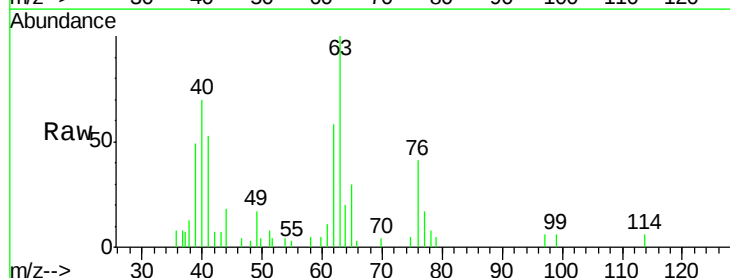
Acq: 14 Jun 2019 15:52

Tgt Ion: 63 Resp: 3708

Ion Ratio Lower Upper

63 100

65 29.8 25.7 38.5



Abundance Ion 62.90 (62.60 to 63.60): VX0

Ion 64.90 (64.60 to 65.60): VX0

2000

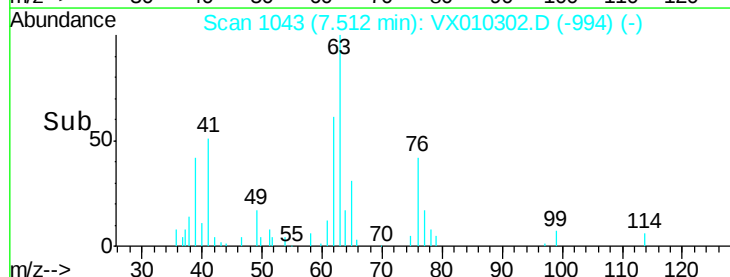
1500

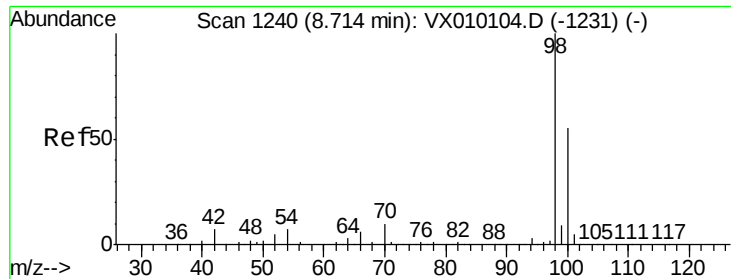
1000

500

0

Time-->





#50

Toluene-d8

Concen: 50.283 ug/l

RT: 8.71 min Scan# 1240

Delta R.T. 0.00 min

Lab File: VX010302.D

Acq: 14 Jun 2019 15:52

Instrument :

MSVOA_X

ClientSampleId :

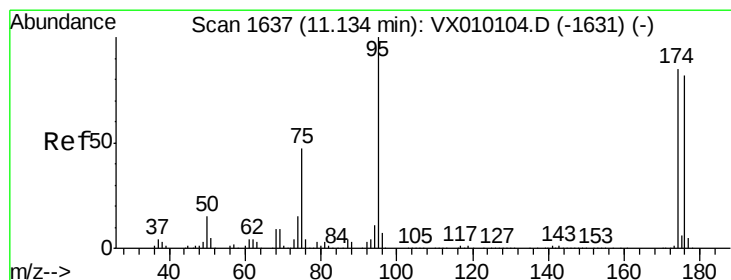
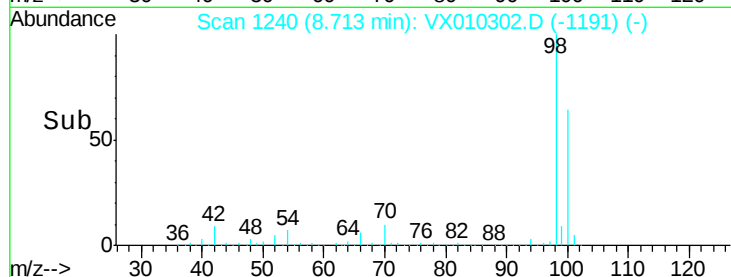
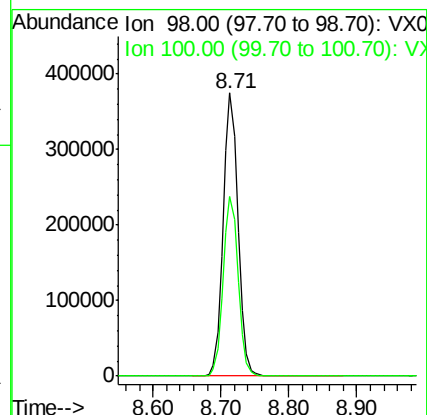
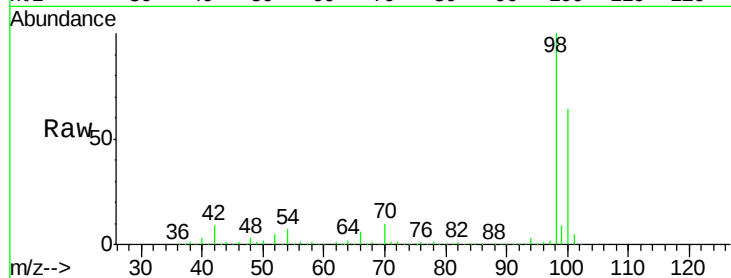
LF001MW002-190610

Tot Ion: 98 Resp: 568993

Ion Ratio Lower Upper

98 100

100 64.0 51.5 77.3



#62

4-Bromofluorobenzene

Concen: 46.578 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. 0.00 min

Lab File: VX010302.D

Acq: 14 Jun 2019 15:52

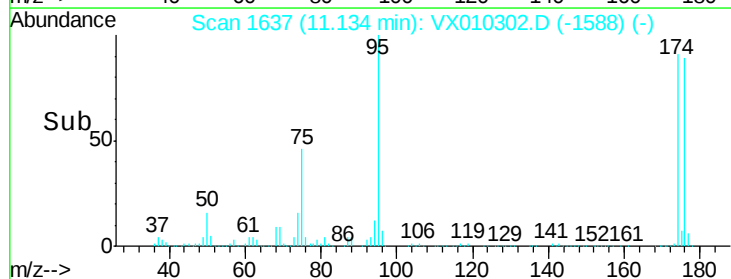
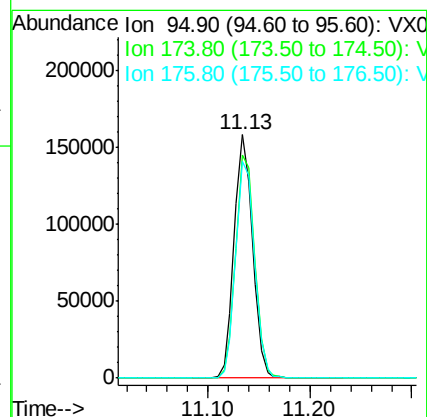
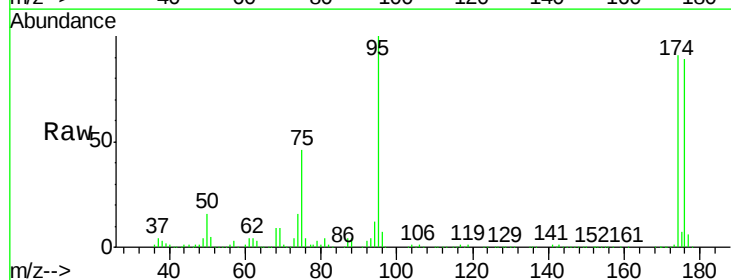
Tgt Ion: 95 Resp: 196836

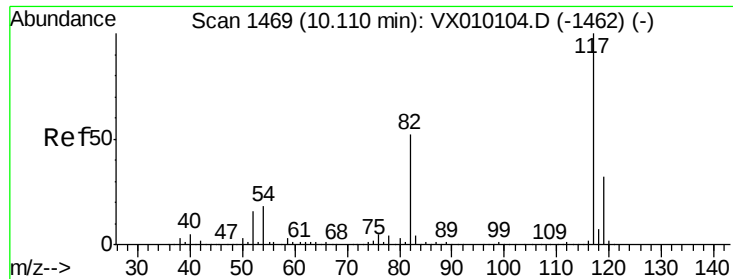
Ion Ratio Lower Upper

95 100

174 94.3 0.0 160.4

176 91.6 0.0 154.6

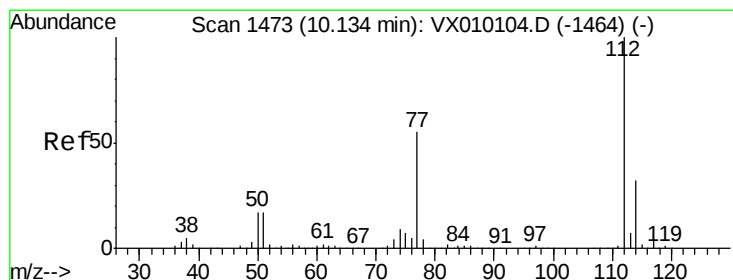
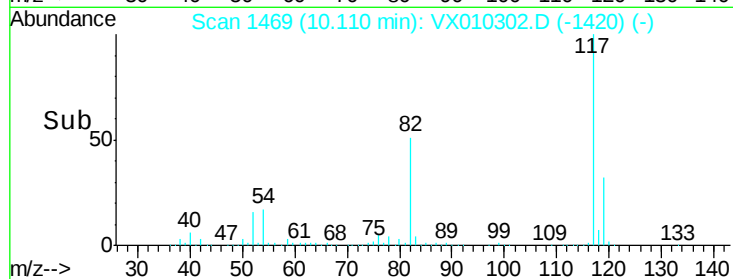
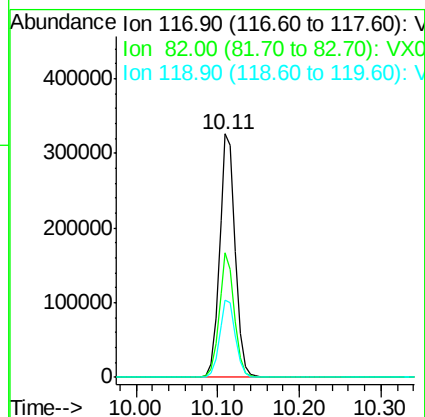
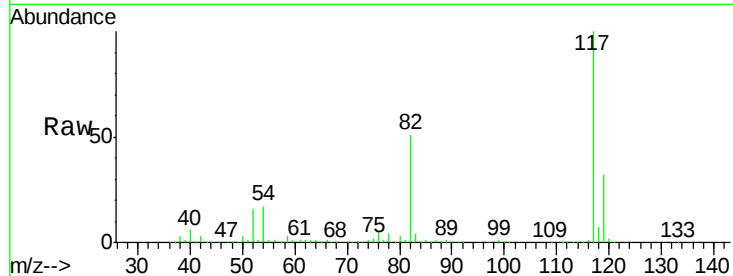




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.11 min Scan# 1469
Delta R.T. -0.00 min
Lab File: VX010302.D
Acq: 14 Jun 2019 15:52

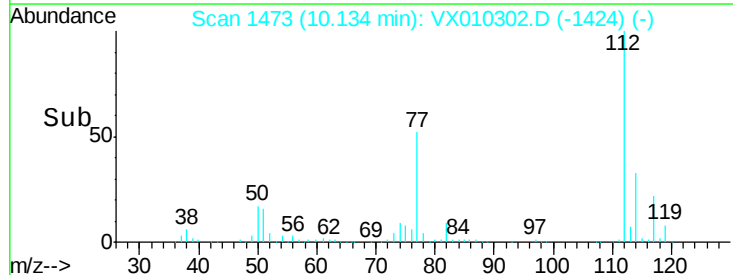
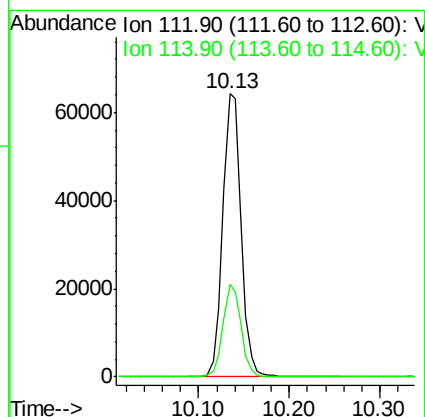
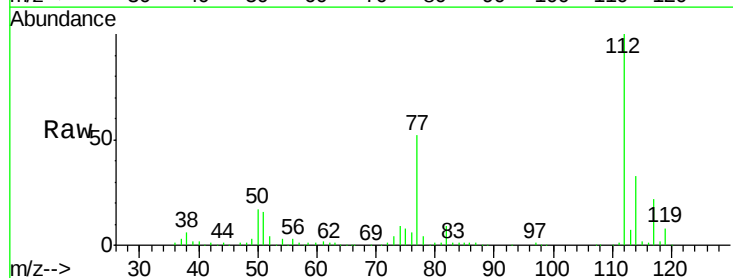
Instrument :
MSVOA_X
ClientSampleId :
LF001MW002-190610

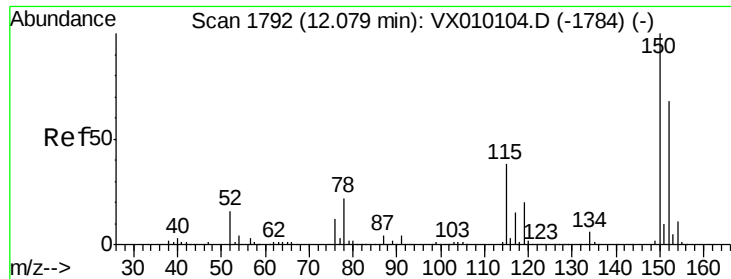
Tot Ion:117 Resp: 438926
Ion Ratio Lower Upper
117 100
82 51.0 49.2 73.8
119 31.9 25.2 37.8



#65
Chlorobenzene
Concen: 10.084 ug/l
RT: 10.13 min Scan# 1473
Delta R.T. -0.00 min
Lab File: VX010302.D
Acq: 14 Jun 2019 15:52

Tgt Ion:112 Resp: 91355
Ion Ratio Lower Upper
112 100
114 32.9 25.8 38.8





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.08 min Scan# 1792

Delta R.T. -0.00 min

Lab File: VX010302.D

Acq: 14 Jun 2019 15:52

Instrument :

MSVOA_X

ClientSampleId :

LF001MW002-190610

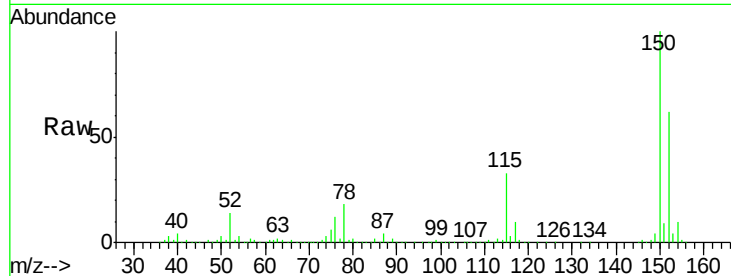
Tot Ion:152 Resp: 208379

Ion Ratio Lower Upper

152 100

115 54.6 41.4 124.2

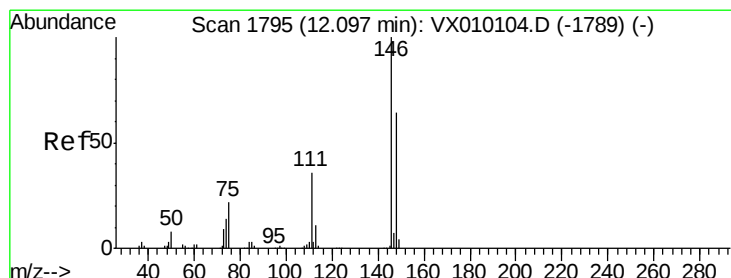
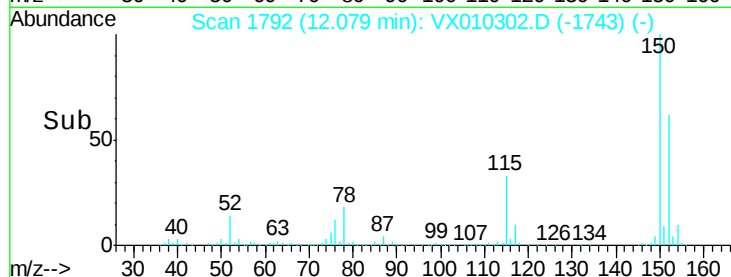
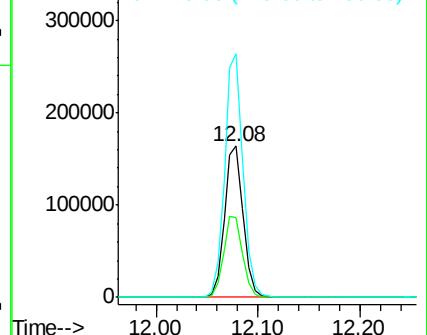
150 159.3 0.0 345.2



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



#88

1,4-Dichlorobenzene

Concen: 4.666 ug/l

RT: 12.10 min Scan# 1795

Delta R.T. -0.00 min

Lab File: VX010302.D

Acq: 14 Jun 2019 15:52

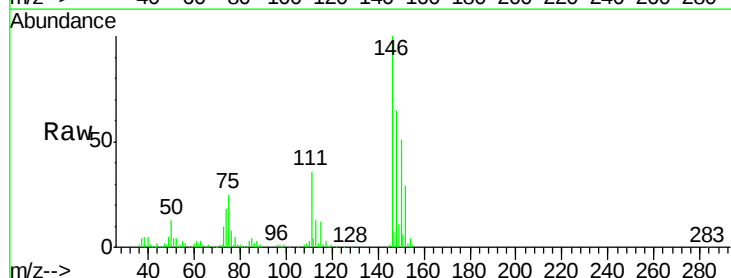
Tgt Ion:146 Resp: 33140

Ion Ratio Lower Upper

146 100

111 43.4 20.0 59.9

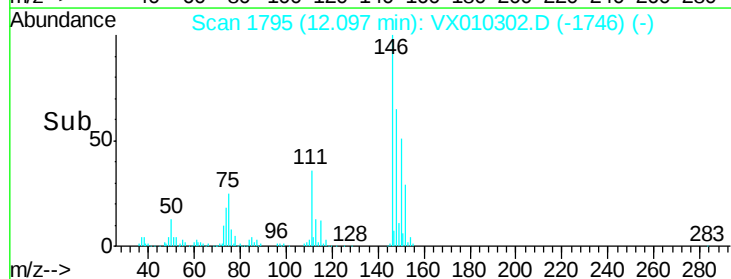
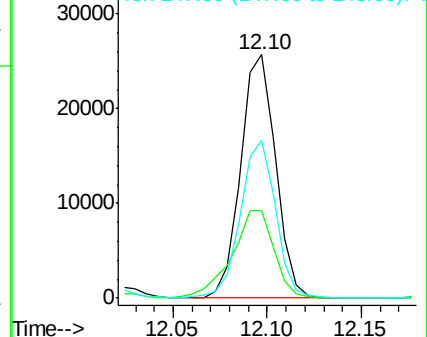
148 65.2 32.3 96.9

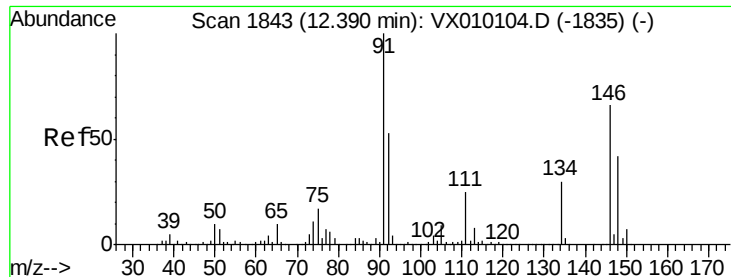


Abundance Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V





#91
 1,2-Dichlorobenzene
 Concen: 2.139 ug/l
 RT: 12.39 min Scan# 1843
 Delta R.T. -0.00 min
 Lab File: VX010302.D
 Acq: 14 Jun 2019 15:52

Instrument :
 MSVOA_X
 ClientSampleId :
 LF001MW002-190610

Tot Ion	Ratio	Lower	Upper
146	100		
111	38.9	21.1	63.1
148	62.7	32.3	96.8

