

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX061319\
 Data File : VX010284.D
 Acq On : 13 Jun 2019 19:43
 Operator : JC/SP
 Sample : K3309-06DL 5X
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 SS043MW011-190611DL

Quant Time: Jun 14 04:27:49 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	5.67	168	330512	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	496359	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	440665	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	210236	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	148294	45.97	ug/l	0.00
Spiked Amount			Recovery	=	91.94%	
35) Dibromofluoromethane	5.50	113	149848	48.94	ug/l	0.00
Spiked Amount			Recovery	=	97.88%	
50) Toluene-d8	8.71	98	576843	50.27	ug/l	0.00
Spiked Amount			Recovery	=	100.54%	
62) 4-Bromofluorobenzene	11.13	95	196716	45.90	ug/l	0.00
Spiked Amount			Recovery	=	91.80%	

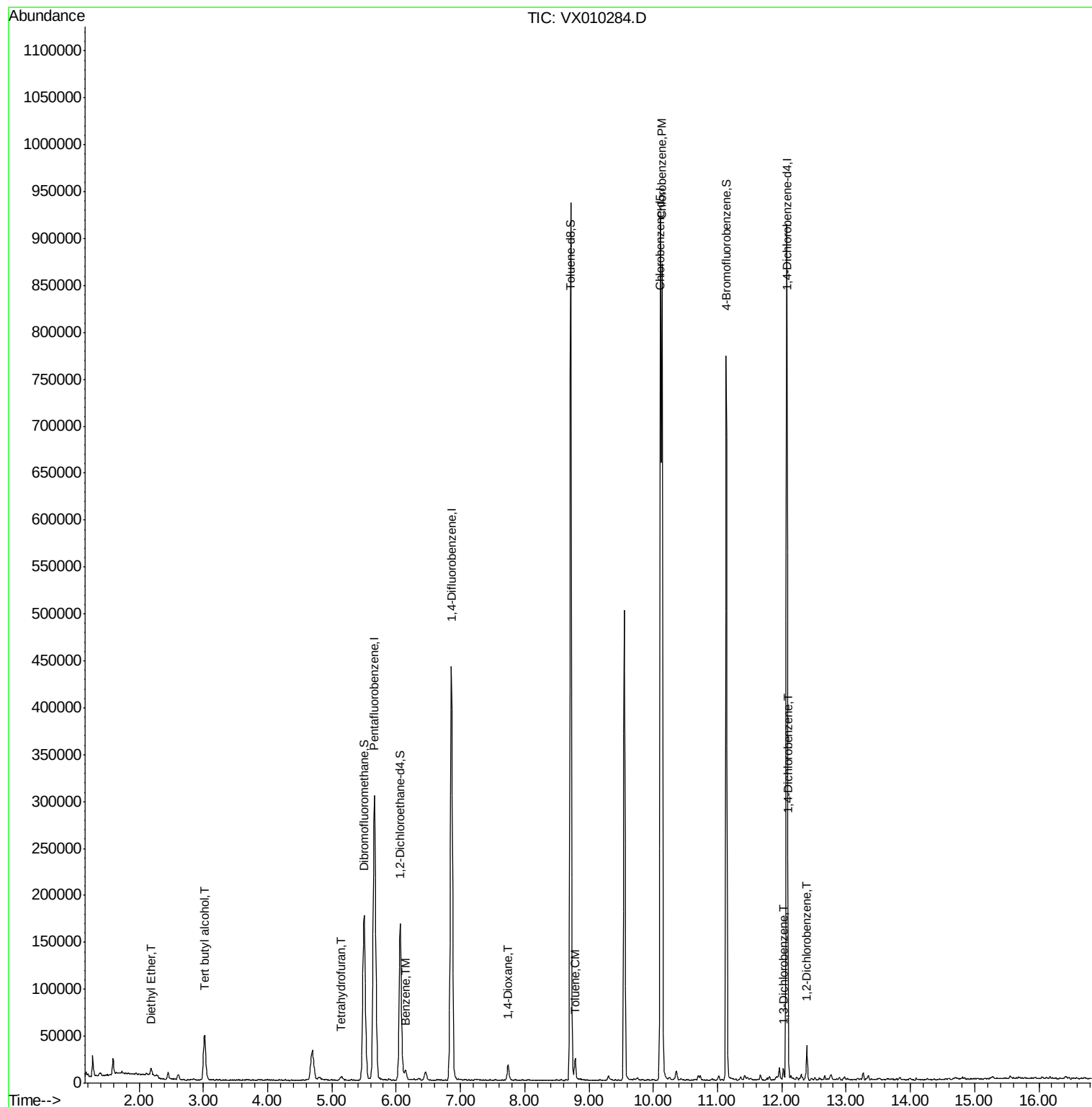
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
8) Diethyl Ether	2.19	74	2956	2.034	ug/l	73
11) Tert butyl alcohol	3.02	59	31734	40.153	ug/l #	79
29) Tetrahydrofuran	5.14	42	3365	2.370	ug/l #	70
40) Benzene	6.14	78	12174	0.972	ug/l	94
49) 1,4-Dioxane	7.74	88	14520	154.576	ug/l #	76
52) Toluene	8.79	92	8054	0.978	ug/l	98
65) Chlorobenzene	10.14	112	397726	43.730	ug/l	100
87) 1,3-Dichlorobenzene	12.02	146	3128	0.440	ug/l	96
88) 1,4-Dichlorobenzene	12.10	146	21903	3.056	ug/l	92
91) 1,2-Dichlorobenzene	12.39	146	11144	1.613	ug/l	95

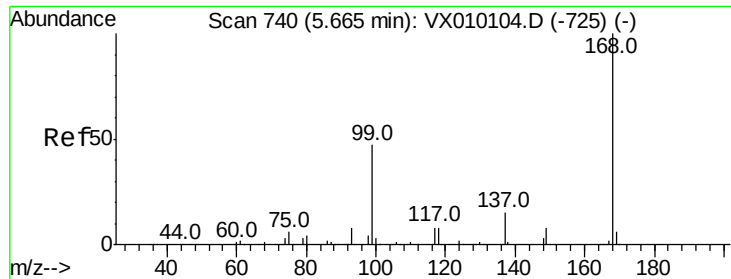
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: 5.67 min Scan# 740

Delta R.T. 0.00 min

Lab File: VX010284.D

Acq: 13 Jun 2019 19:43

Instrument :

MSVOA_X

ClientSampleId :

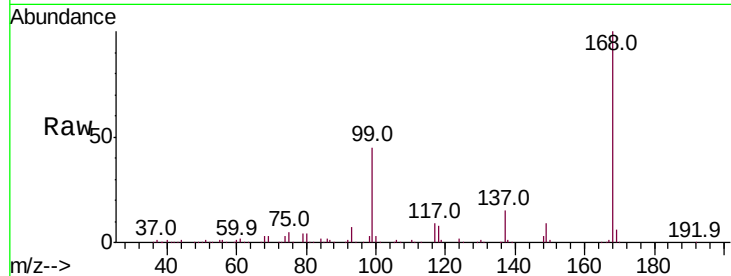
SS043MW011-190611DL

Tot Ion:168 Resp: 330512

Ion Ratio Lower Upper

168 100

99 44.7 43.0 64.6



Abundance Ion 167.90 (167.60 to 168.60): VX010104.D (-725) (-)

Ion 98.90 (98.60 to 99.60): VX010104.D (-725) (-)

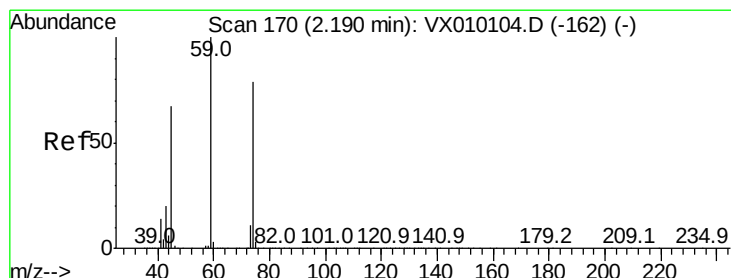
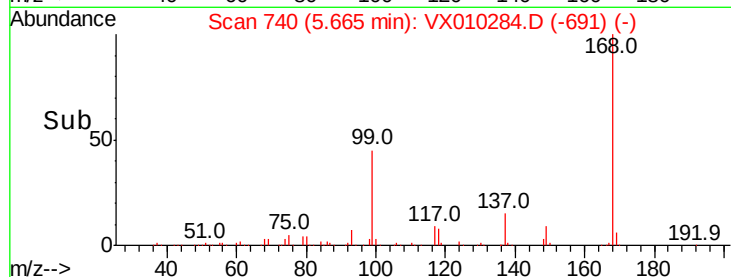
5.67

100000

50000

0

Time--> 5.50 5.60 5.70 5.80



#8

Diethyl Ether

Concen: 2.034 ug/l

RT: 2.19 min Scan# 170

Delta R.T. 0.00 min

Lab File: VX010284.D

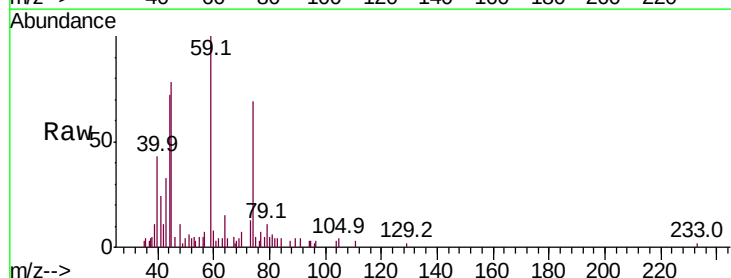
Acq: 13 Jun 2019 19:43

Tgt Ion: 74 Resp: 2956

Ion Ratio Lower Upper

74 100

45 83.3 56.1 168.3



Abundance Ion 74.00 (73.70 to 74.70): VX010104.D (-162) (-)

Ion 45.00 (44.70 to 45.70): VX010104.D (-162) (-)

2.19

2000

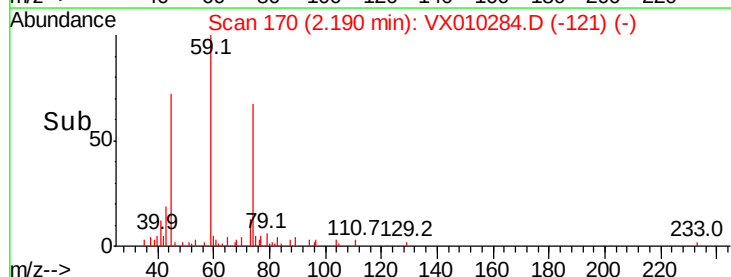
1500

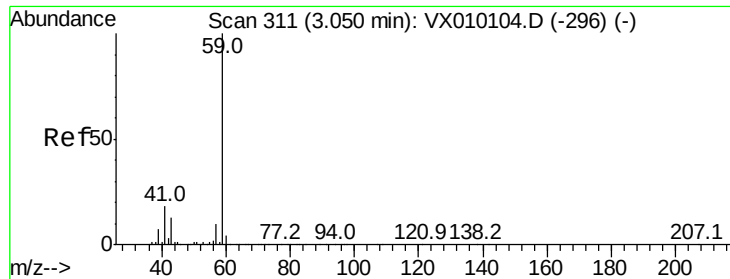
1000

500

0

Time--> 2.10 2.15 2.20 2.25



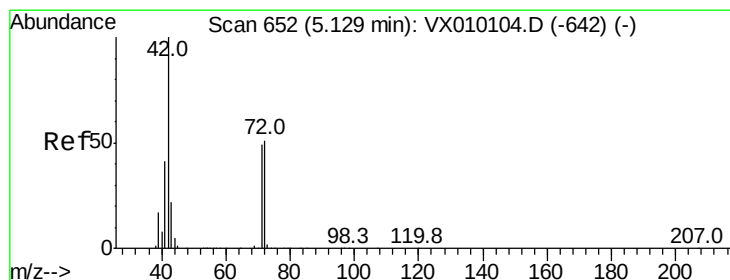
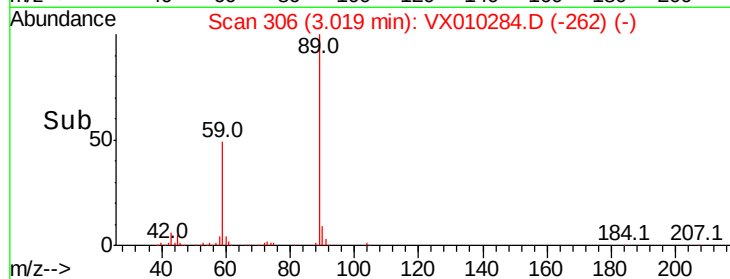
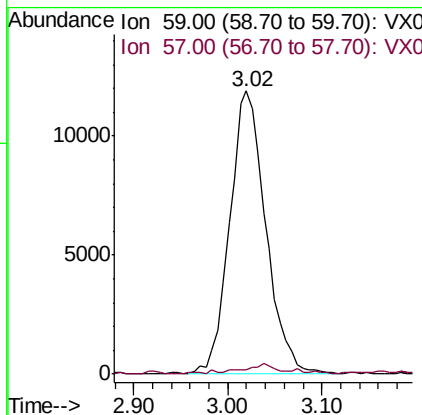
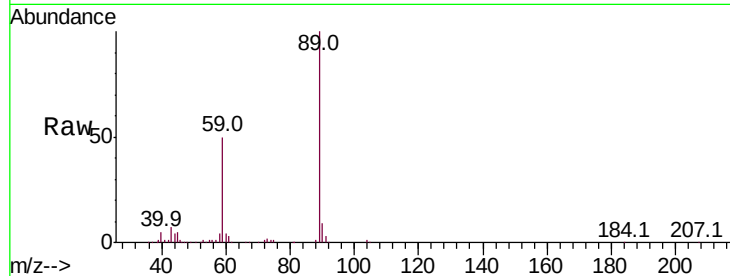


#11

Tert butyl alcohol
 Concen: 40.153 ug/l
 RT: 3.02 min Scan# 306
 Delta R.T. -0.03 min
 Lab File: VX010284.D
 Acq: 13 Jun 2019 19:43

Instrument :
 MSVOA_X
 ClientSampleId :
 SS043MW011-190611DL

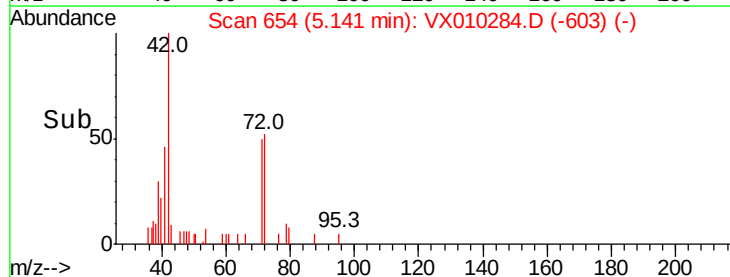
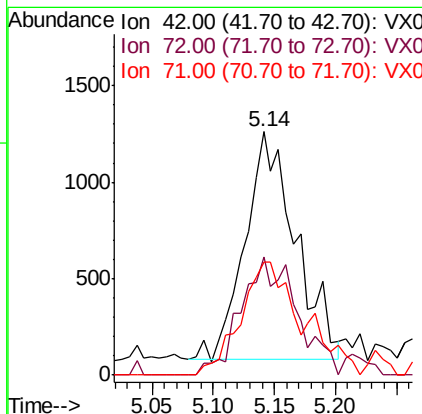
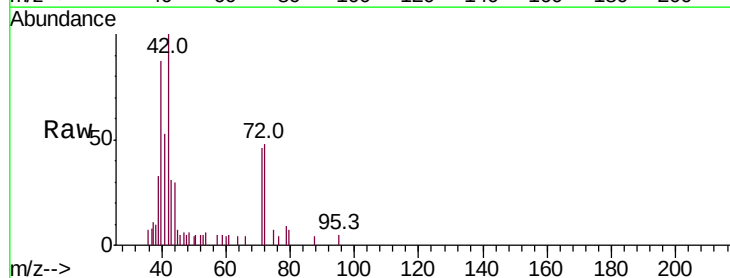
Tot Ion: 59 Resp: 31734
 Ion Ratio Lower Upper
 59 100
 57 2.5 8.2 12.2#

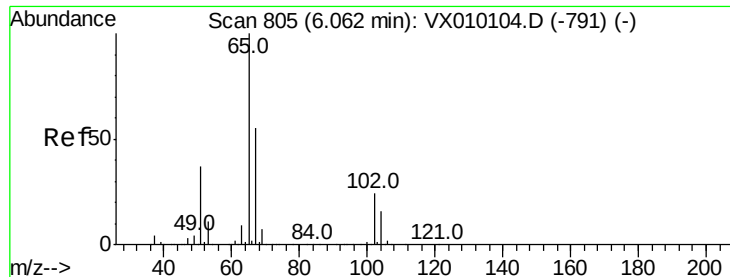


#29

Tetrahydrofuran
 Concen: 2.370 ug/l
 RT: 5.14 min Scan# 654
 Delta R.T. 0.01 min
 Lab File: VX010284.D
 Acq: 13 Jun 2019 19:43

Tgt Ion: 42 Resp: 3365
 Ion Ratio Lower Upper
 42 100
 72 57.3 29.2 43.8#
 71 48.4 27.6 41.4#





#33

1,2-Dichloroethane-d4

Concen: 45.966 ug/l

RT: 6.06 min Scan# 805

Delta R.T. 0.00 min

Lab File: VX010284.D

Acq: 13 Jun 2019 19:43

Instrument :

MSVOA_X

ClientSampleId :

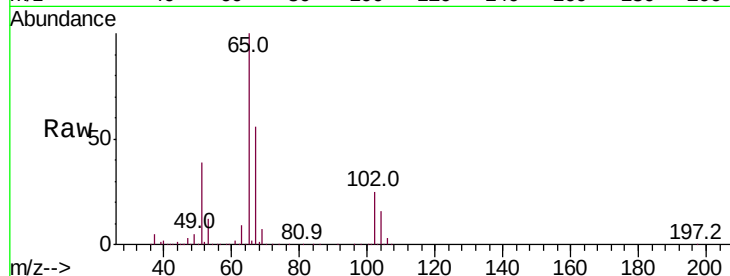
SS043MW011-190611DL

Tot Ion: 65 Resp: 148294

Ion Ratio Lower Upper

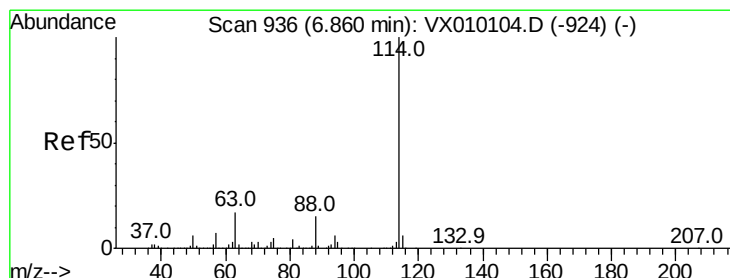
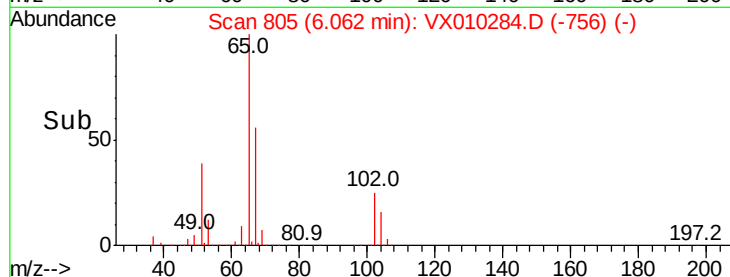
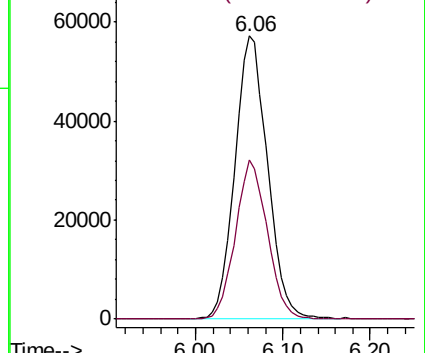
65 100

67 55.1 0.0 108.4



Abundance Ion 64.90 (64.60 to 65.60): VX0

Ion 66.90 (66.60 to 67.60): VX0



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.86 min Scan# 936

Delta R.T. 0.00 min

Lab File: VX010284.D

Acq: 13 Jun 2019 19:43

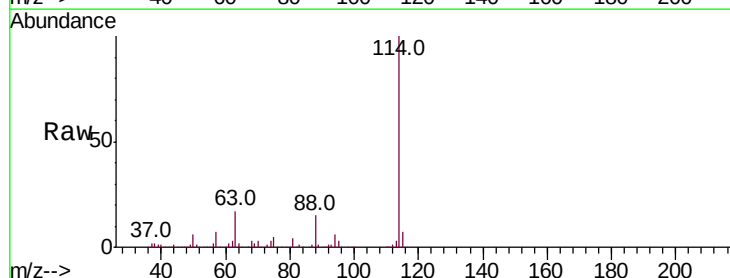
Tgt Ion: 114 Resp: 496359

Ion Ratio Lower Upper

114 100

63 16.8 0.0 47.4

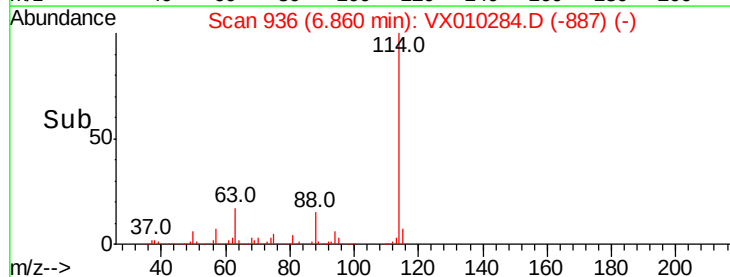
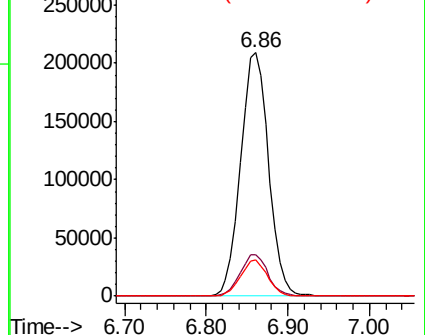
88 14.8 0.0 33.0

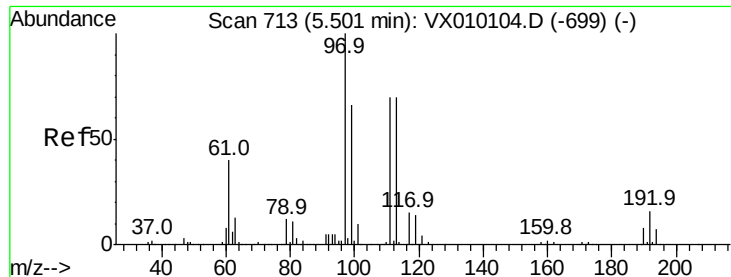


Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VX0

Ion 87.90 (87.60 to 88.60): VX0





#35

Dibromofluoromethane

Concen: 48.943 ug/l

RT: 5.50 min Scan# 713

Delta R.T. 0.00 min

Lab File: VX010284.D

Acq: 13 Jun 2019 19:43

Instrument :

MSVOA_X

ClientSampleId :

SS043MW011-190611DL

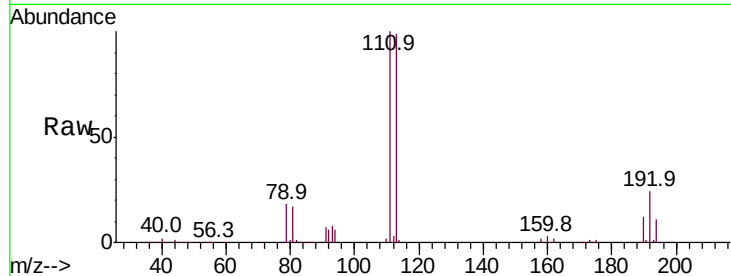
Tot Ion:113 Resp: 149848

Ion Ratio Lower Upper

113 100

111 102.0 82.2 123.2

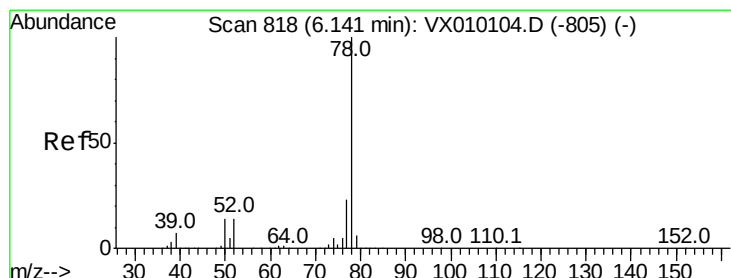
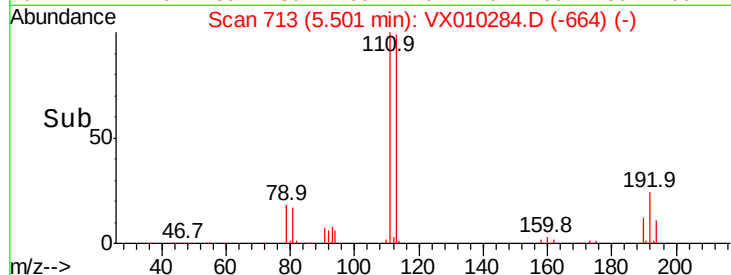
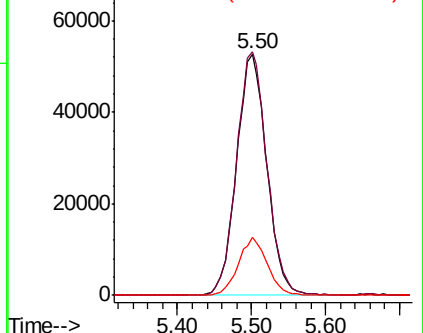
192 23.0 17.1 25.7



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: 0.972 ug/l

RT: 6.14 min Scan# 818

Delta R.T. 0.00 min

Lab File: VX010284.D

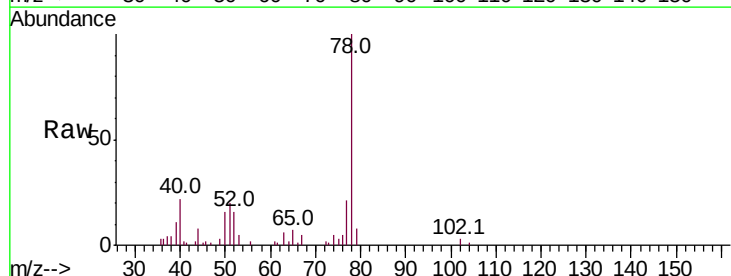
Acq: 13 Jun 2019 19:43

Tgt Ion: 78 Resp: 12174

Ion Ratio Lower Upper

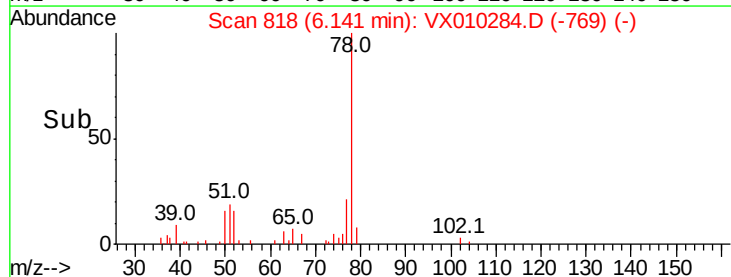
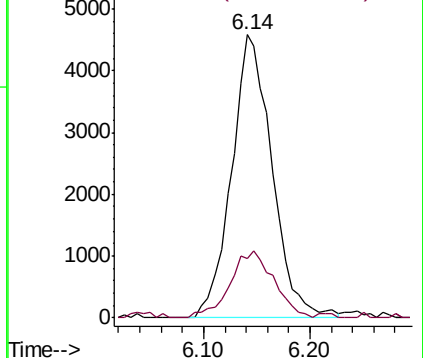
78 100

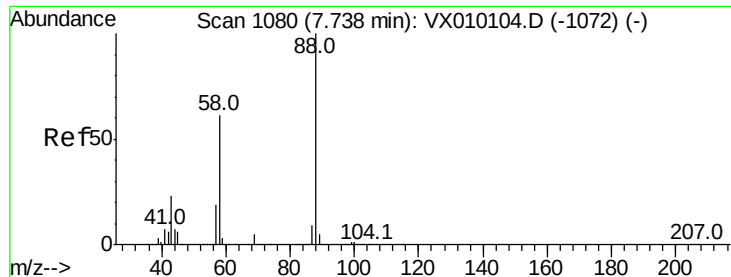
77 20.9 19.2 28.8



Abundance Ion 78.00 (77.70 to 78.70): VX0

Ion 77.00 (76.70 to 77.70): VX0





#49

1,4-Dioxane

Concen: 154.576 ug/l

RT: 7.74 min Scan# 1080

Delta R.T. 0.00 min

Lab File: VX010284.D

Acq: 13 Jun 2019 19:43

Instrument :

MSVOA_X

ClientSampleId :

SS043MW011-190611DL

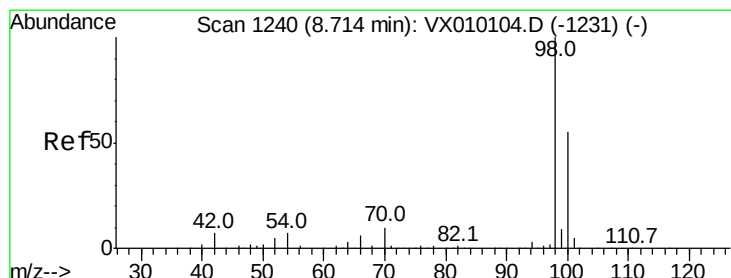
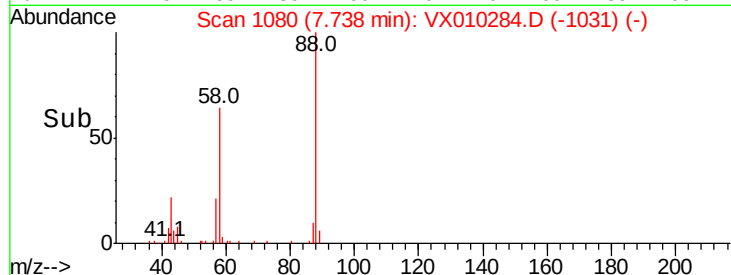
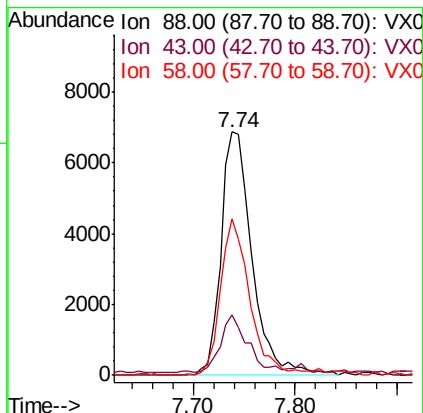
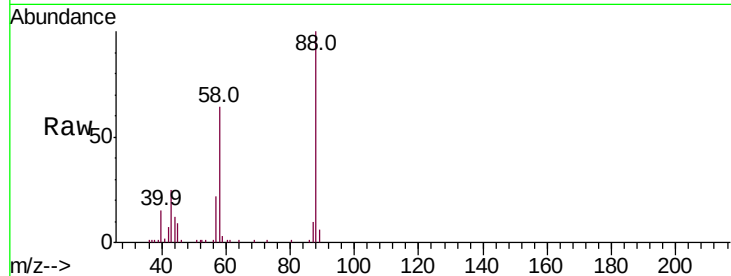
Tot Ion: 88 Resp: 14520

Ion Ratio Lower Upper

88 100

43 19.7 30.2 45.4#

58 61.0 64.0 96.0#



#50

Toluene-d8

Concen: 50.271 ug/l

RT: 8.71 min Scan# 1240

Delta R.T. 0.00 min

Lab File: VX010284.D

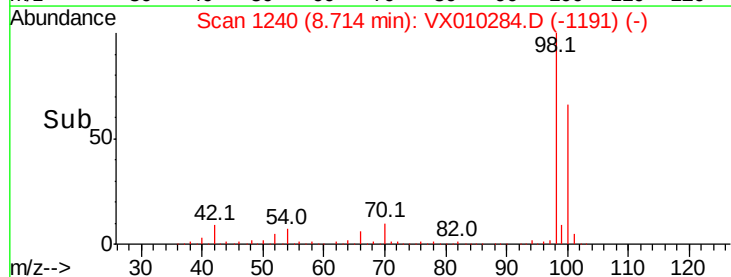
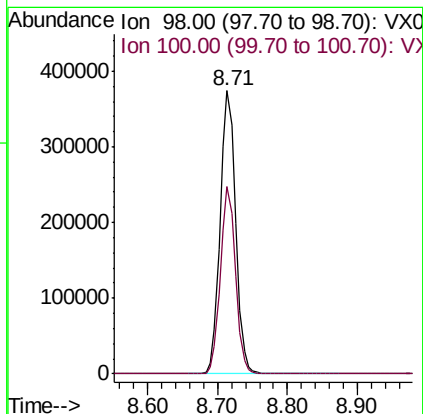
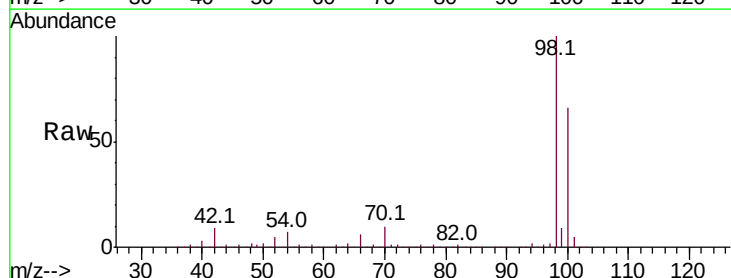
Acq: 13 Jun 2019 19:43

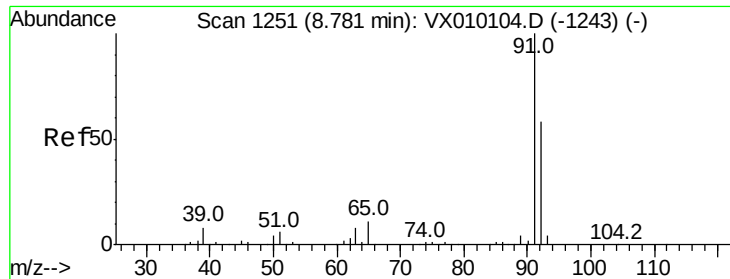
Tgt Ion: 98 Resp: 576843

Ion Ratio Lower Upper

98 100

100 64.4 51.5 77.3





#52

Toluene

Concen: 0.978 ug/l

RT: 8.79 min Scan# 1252

Delta R.T. 0.01 min

Lab File: VX010284.D

Acq: 13 Jun 2019 19:43

Instrument :

MSVOA_X

ClientSampleId :

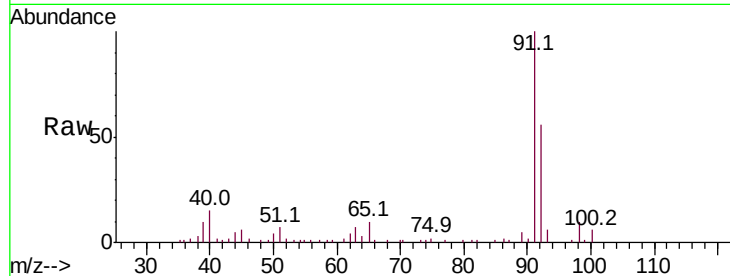
SS043MW011-190611DL

Tot Ion: 92 Resp: 8054

Ion Ratio Lower Upper

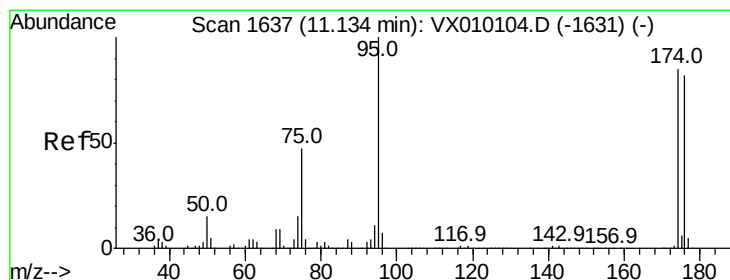
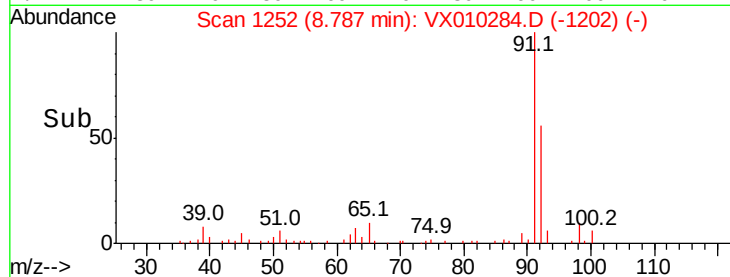
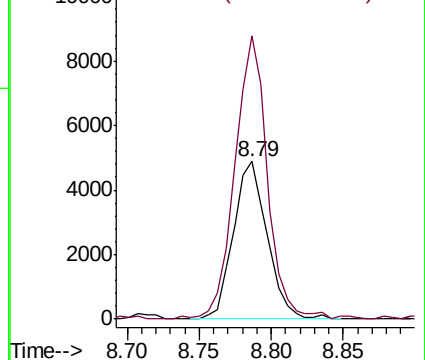
92 100

91 172.0 139.9 209.9



Abundance Ion 92.00 (91.70 to 92.70): VX0

Ion 91.00 (90.70 to 91.70): VX0



#62

4-Bromofluorobenzene

Concen: 45.905 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. 0.00 min

Lab File: VX010284.D

Acq: 13 Jun 2019 19:43

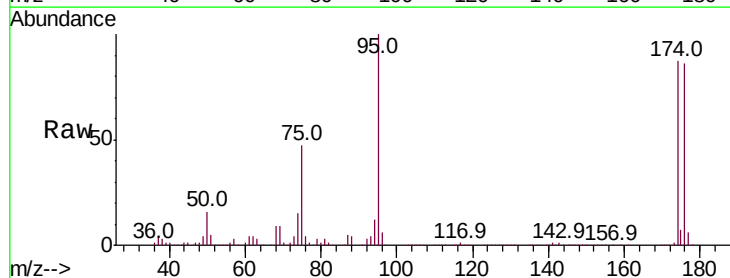
Tgt Ion: 95 Resp: 196716

Ion Ratio Lower Upper

95 100

174 94.2 0.0 160.4

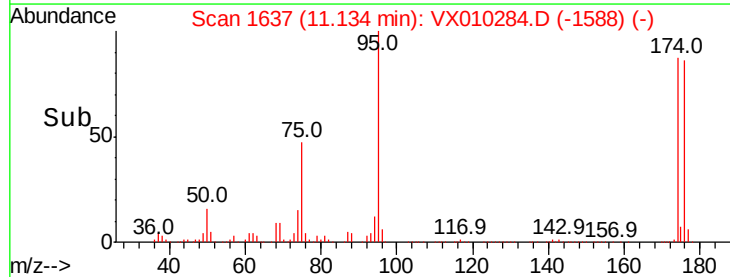
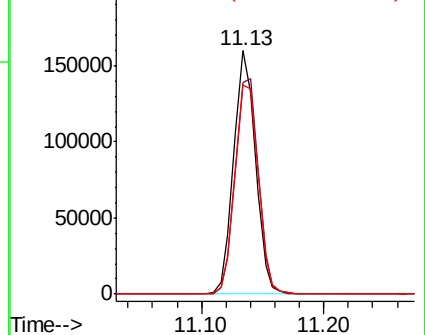
176 92.1 0.0 154.6

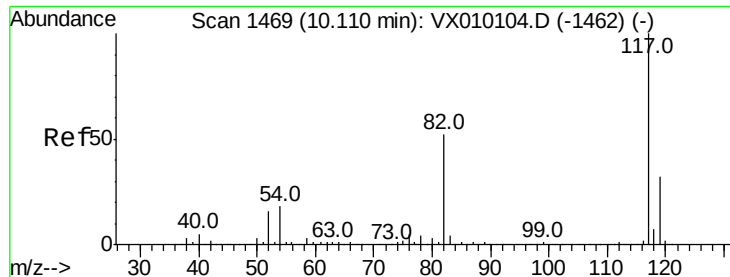


Abundance Ion 94.90 (94.60 to 95.60): VX0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

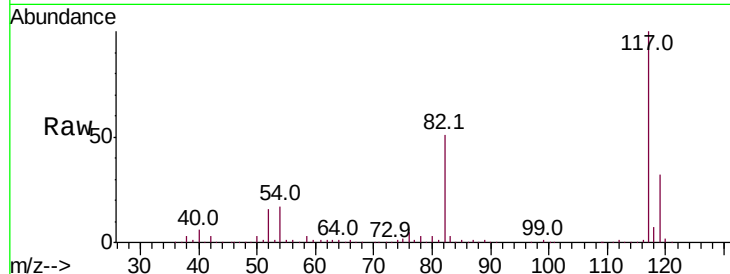




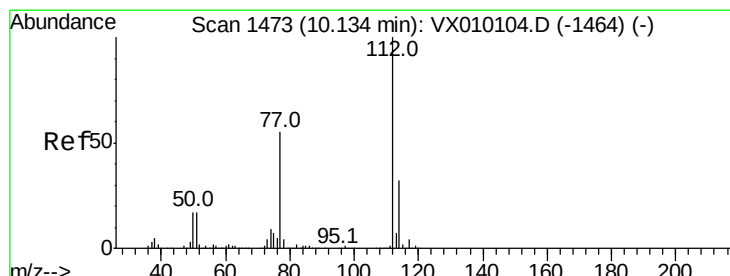
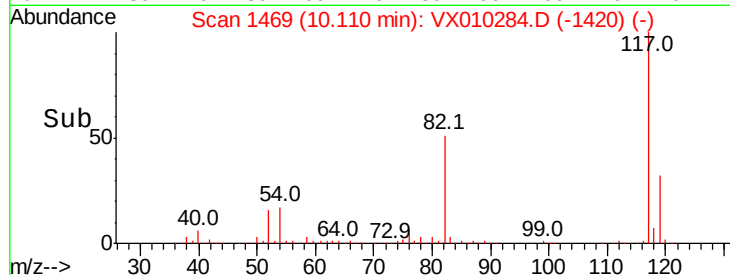
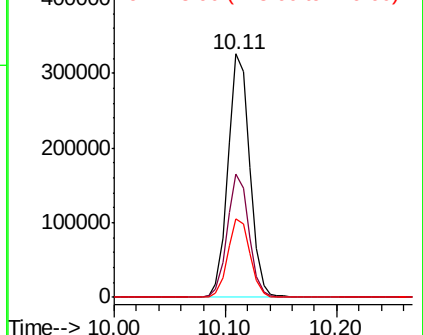
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.11 min Scan# 1469
Delta R.T. 0.00 min
Lab File: VX010284.D
Acq: 13 Jun 2019 19:43

Instrument :
MSVOA_X
ClientSampleId :
SS043MW011-190611DL

Tot Ion:117 Resp: 440665
Ion Ratio Lower Upper
117 100
82 50.7 49.2 73.8
119 32.2 25.2 37.8

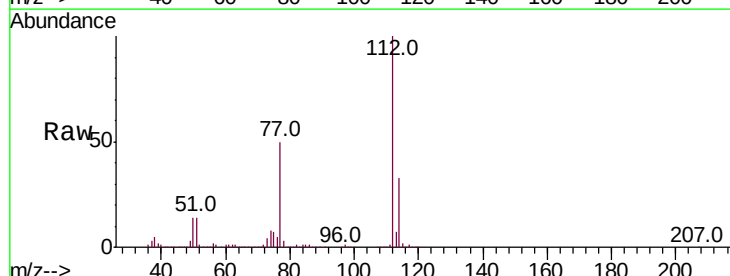


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): VX0
Ion 118.90 (118.60 to 119.60): V

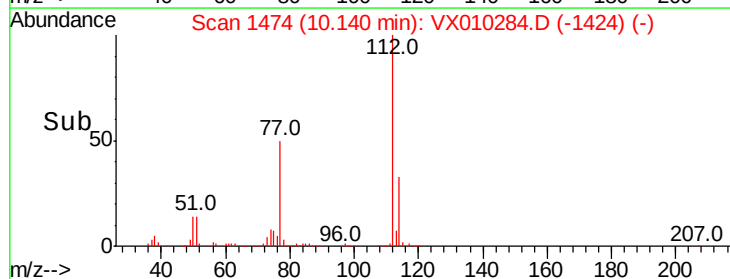
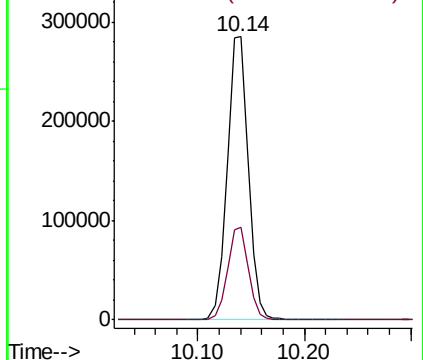


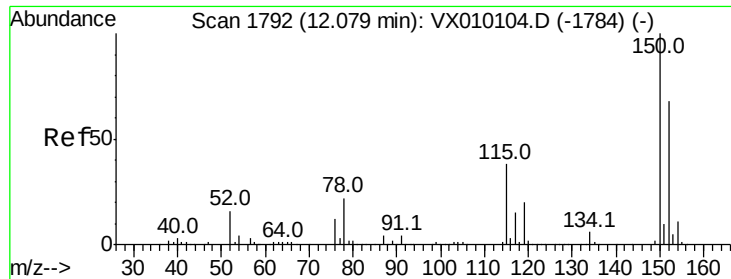
#65
Chlorobenzene
Concen: 43.730 ug/l
RT: 10.14 min Scan# 1474
Delta R.T. 0.01 min
Lab File: VX010284.D
Acq: 13 Jun 2019 19:43

Tgt Ion:112 Resp: 397726
Ion Ratio Lower Upper
112 100
114 32.5 25.8 38.8



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: VX010284.D

Acq: 13 Jun 2019 19:43

Instrument :

MSVOA_X

ClientSampleId :

SS043MW011-190611DL

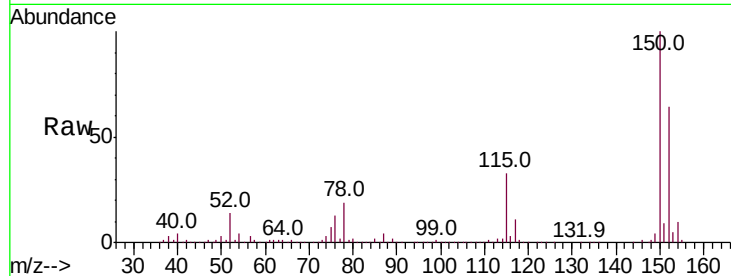
Tot Ion:152 Resp: 210236

Ion Ratio Lower Upper

152 100

115 53.2 41.4 124.2

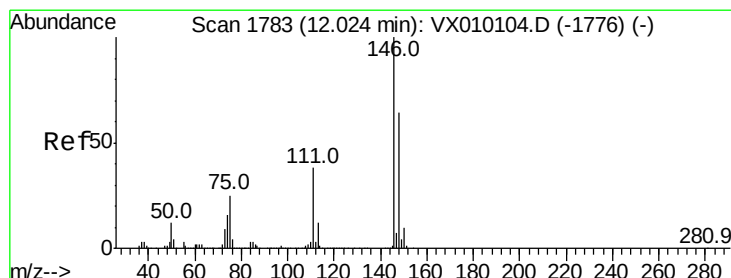
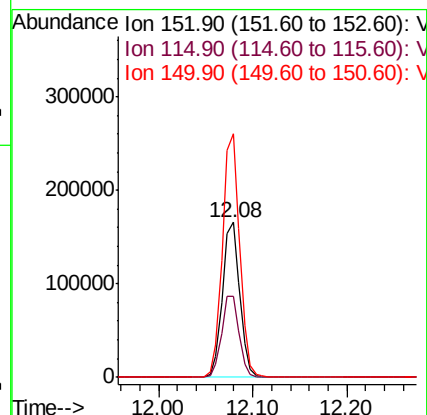
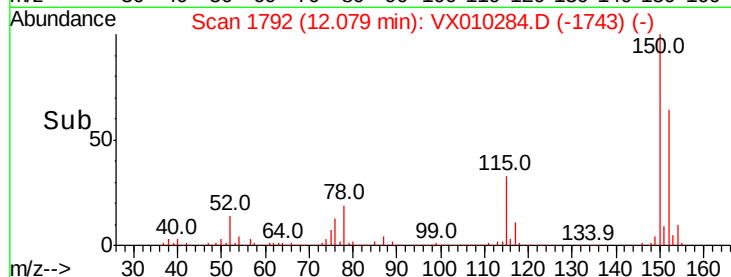
150 156.8 0.0 345.2



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



#87

1,3-Dichlorobenzene

Concen: 0.440 ug/l

RT: 12.02 min Scan# 1783

Delta R.T. 0.00 min

Lab File: VX010284.D

Acq: 13 Jun 2019 19:43

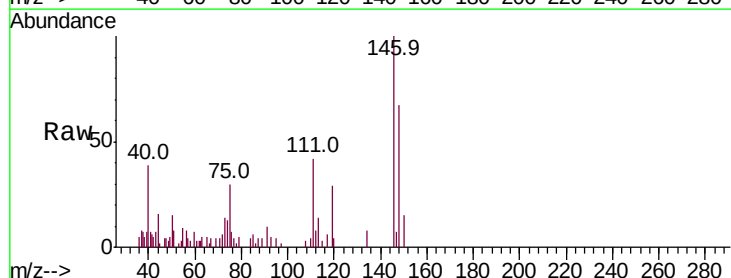
Tgt Ion:146 Resp: 3128

Ion Ratio Lower Upper

146 100

111 38.8 20.1 60.2

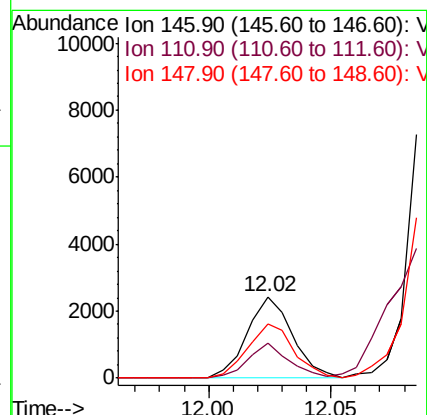
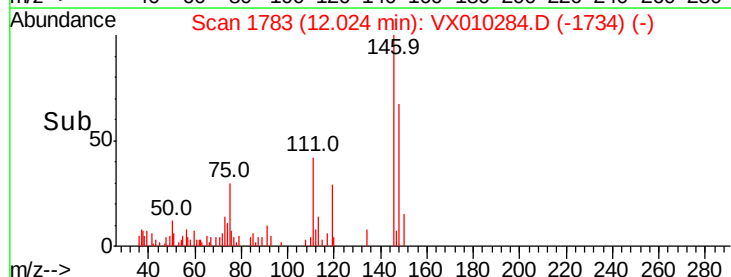
148 67.6 31.9 95.5

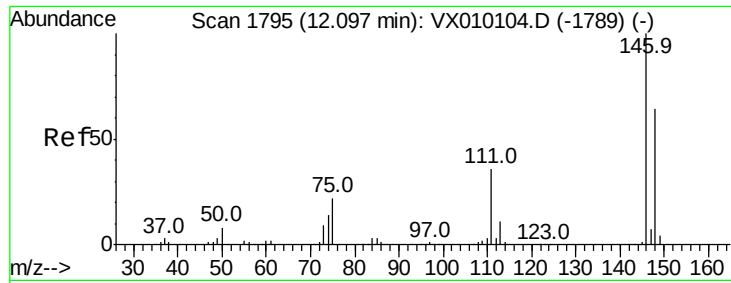


Abundance Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V

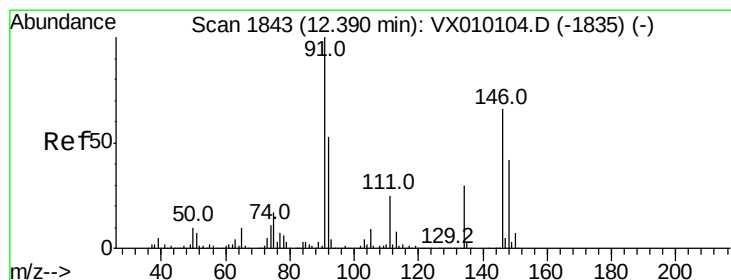
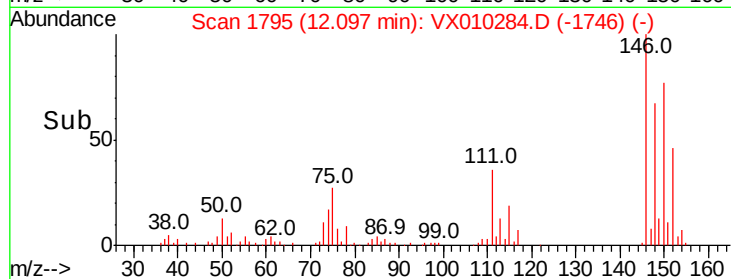
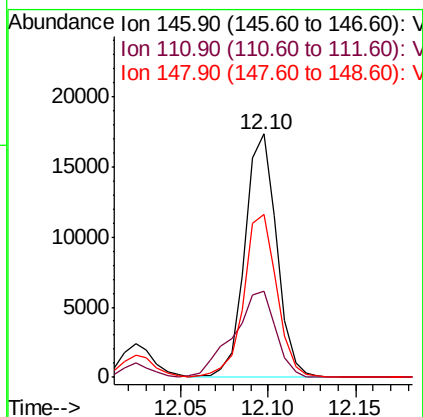
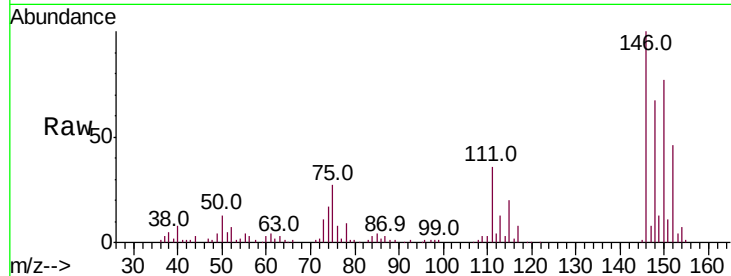




#88
 1,4-Dichlorobenzene
 Concen: 3.056 ug/l
 RT: 12.10 min Scan# 1795
 Delta R.T. 0.00 min
 Lab File: VX010284.D
 Acq: 13 Jun 2019 19:43

Instrument :
 MSVOA_X
 ClientSampleId :
 SS043MW011-190611DL

Tot Ion	Ratio	Lower	Upper
146	100		
111	46.9	20.0	59.9
148	69.4	32.3	96.9



#91
 1,2-Dichlorobenzene
 Concen: 1.613 ug/l
 RT: 12.39 min Scan# 1843
 Delta R.T. 0.00 min
 Lab File: VX010284.D
 Acq: 13 Jun 2019 19:43

Tgt Ion	Ratio	Lower	Upper
146	100		
111	39.8	21.1	63.1
148	68.8	32.3	96.8

