

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX092618\
 Data File : VX004757.D
 Acq On : 27 Sep 2018 06:52
 Operator : JC/MD
 Sample : J5020-07
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 40 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 T11-MW-5-9.0-091918

Quant Time: Sep 27 07:31:29 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X092618W.M
 Quant Title : SW846 8260
 QLast Update : Wed Sep 26 14:17:02 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.67	168	259328	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	427577	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	400128	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	236212	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	6.07	65	193864	52.33	ug/l	0.00
Spiked Amount			Recovery	=	104.66%	
35) Dibromofluoromethane	5.50	113	164294	45.34	ug/l	0.00
Spiked Amount			Recovery	=	90.68%	
50) Toluene-d8	8.71	98	600813	49.87	ug/l	0.00
Spiked Amount			Recovery	=	99.74%	
62) 4-Bromofluorobenzene	11.14	95	231394	53.32	ug/l	0.00
Spiked Amount			Recovery	=	106.64%	

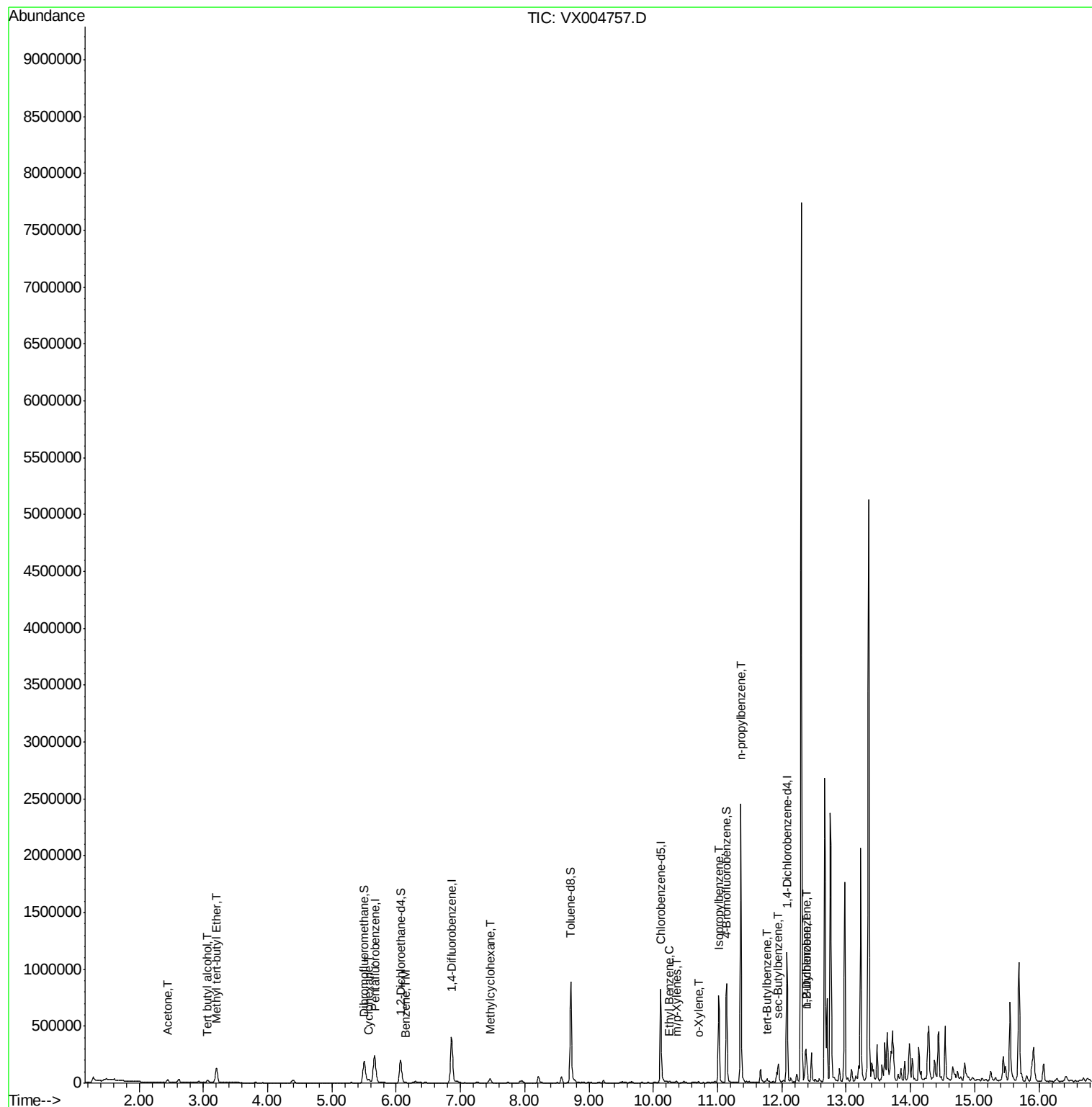
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
11) Tert butyl alcohol	3.07	59	22580	21.799	ug/l	97
16) Acetone	2.45	43	22714	10.502	ug/l	98
19) Methyl tert-butyl Ether	3.20	73	141844	14.635	ug/l	95
31) Cyclohexane	5.57	56	20048	4.253	ug/l	95
39) Methylcyclohexane	7.46	83	15797	3.129	ug/l	93
40) Benzene	6.15	78	6048	0.391	ug/l	96
67) Ethyl Benzene	10.25	91	10627	0.652	ug/l	99
68) m/p-Xylenes	10.36	106	3719	0.584	ug/l	99
69) o-Xylene	10.70	106	2228	0.381	ug/l	96
73) Isopropylbenzene	11.02	105	403074	27.072	ug/l	100
78) n-propylbenzene	11.36	91	1496883	87.624	ug/l	98
83) tert-Butylbenzene	11.77	119	7069	0.577	ug/l	74
85) sec-Butylbenzene	11.94	105	86844	5.816	ug/l #	75
89) n-Butylbenzene	12.39	91	120015	9.769	ug/l #	75
91) 1,2-Dichlorobenzene	12.39	146	2429	0.288	ug/l	91

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

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.67 min Scan# 740

Delta R.T. 0.01 min

Lab File: VX004757.D

Acq: 27 Sep 2018 06:52

Instrument :

MSVOA_X

ClientSampleId :

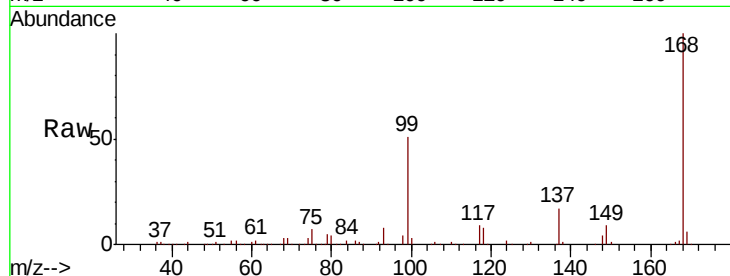
T11-MW-5-9.0-091918

Tot Ion:168 Resp: 259328

Ion Ratio Lower Upper

168 100

99 50.6 39.9 59.9



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.67

80000

60000

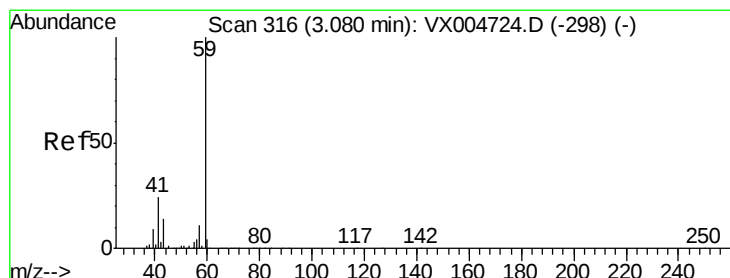
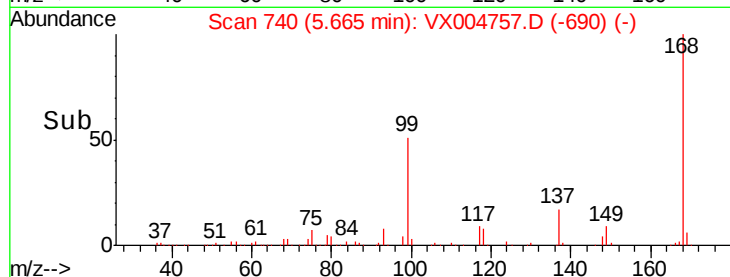
40000

20000

0

Time-->

5.50 5.60 5.70 5.80 5.90



#11

Tert butyl alcohol

Concen: 21.799 ug/l

RT: 3.07 min Scan# 314

Delta R.T. -0.01 min

Lab File: VX004757.D

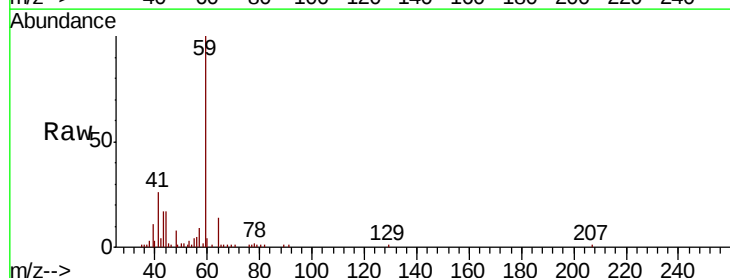
Acq: 27 Sep 2018 06:52

Tgt Ion: 59 Resp: 22580

Ion Ratio Lower Upper

59 100

57 9.1 8.2 12.4



Abundance Ion 59.00 (58.70 to 59.70): VX0

Ion 57.00 (56.70 to 57.70): VX0

15000

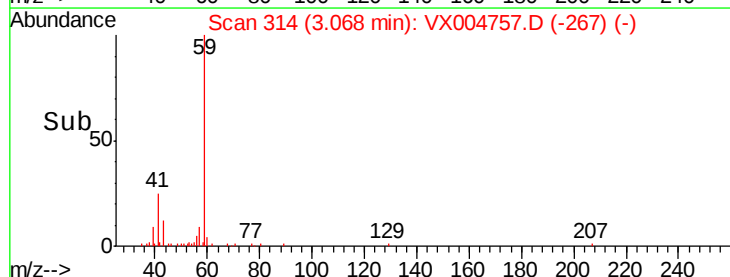
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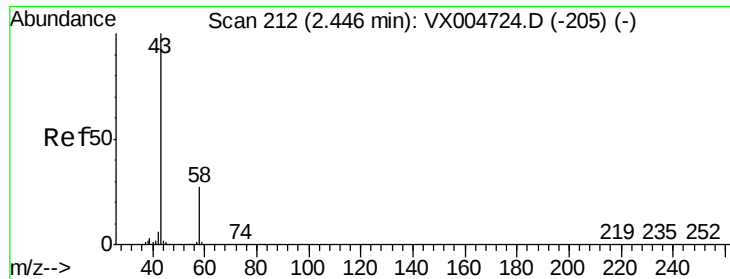
5000

0

Time-->

2.90 3.00 3.10 3.20





#16

Acetone

Concen: 10.502 ug/l

RT: 2.45 min Scan# 212

Delta R.T. 0.00 min

Lab File: VX004757.D

Acq: 27 Sep 2018 06:52

Instrument :

MSVOA_X

ClientSampleId :

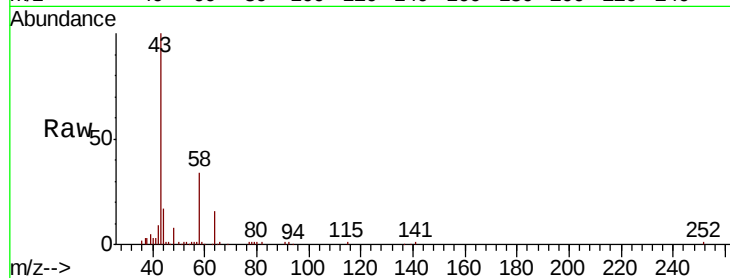
T11-MW-5-9.0-091918

Tot Ion: 43 Resp: 22714

Ion Ratio Lower Upper

43 100

58 34.1 26.2 39.4



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0

15000

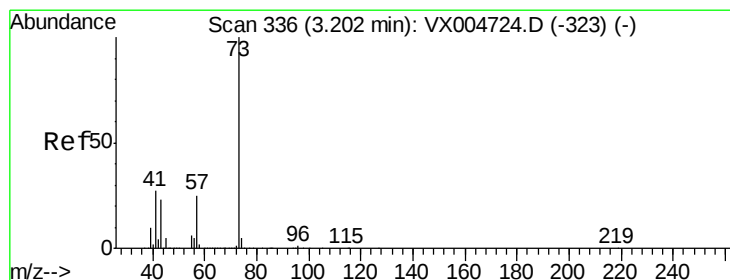
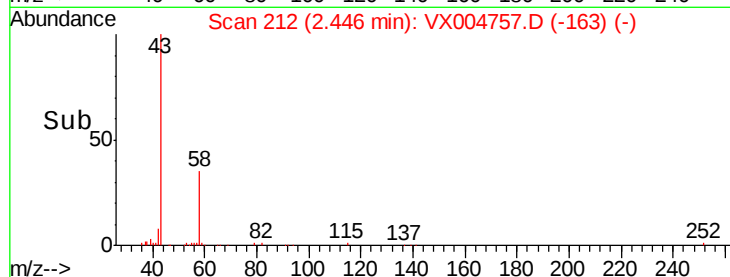
10000

5000

0

2.35 2.40 2.45 2.50 2.55

Time-->



#19

Methyl tert-butyl Ether

Concen: 14.635 ug/l

RT: 3.20 min Scan# 336

Delta R.T. 0.00 min

Lab File: VX004757.D

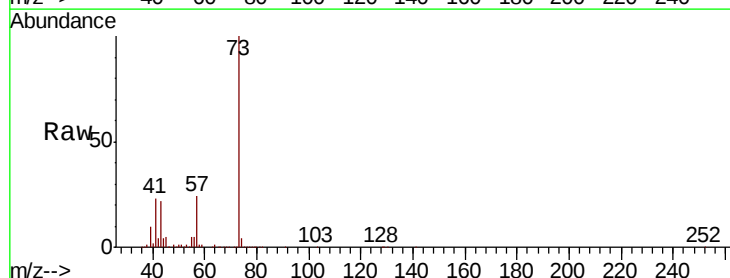
Acq: 27 Sep 2018 06:52

Tgt Ion: 73 Resp: 141844

Ion Ratio Lower Upper

73 100

57 23.6 17.1 25.7



Abundance Ion 73.00 (72.70 to 73.70): VX0

Ion 57.00 (56.70 to 57.70): VX0

60000

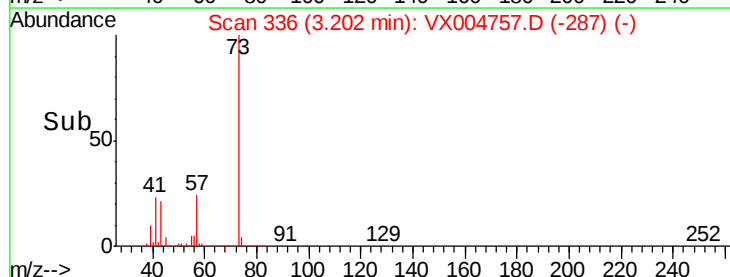
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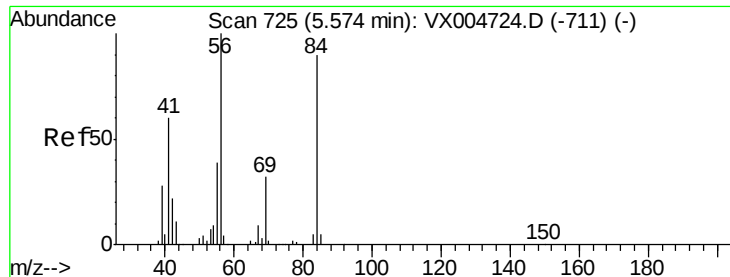
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0

3.10 3.20 3.30

Time-->

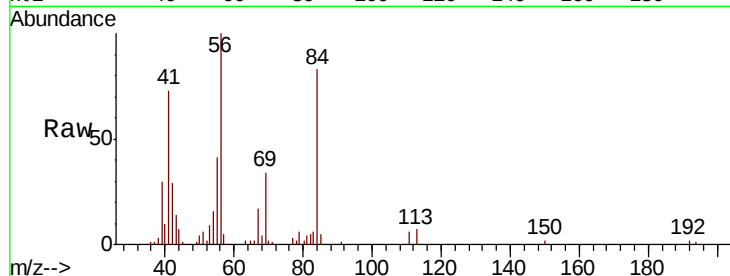




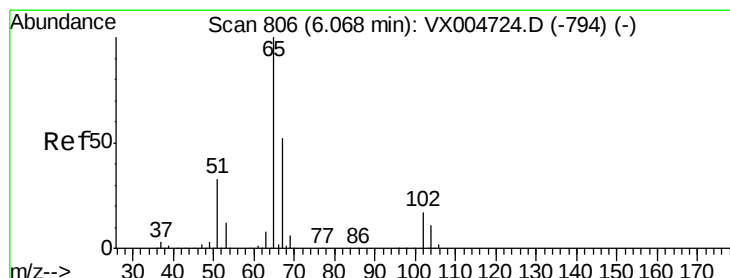
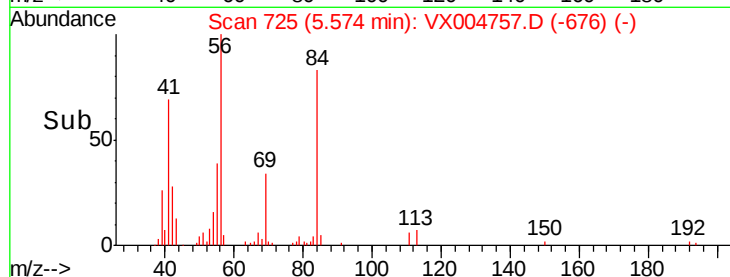
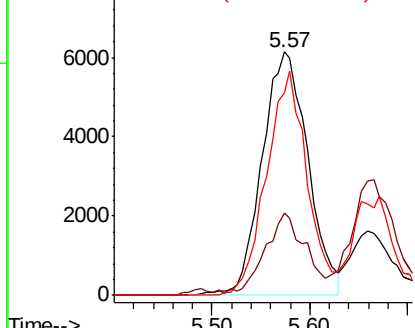
#31
Cyclohexane
Concen: 4.253 ug/l
RT: 5.57 min Scan# 725
Delta R.T. 0.00 min
Lab File: VX004757.D
Acq: 27 Sep 2018 06:52

Instrument :
MSVOA_X
ClientSampleId :
T11-MW-5-9.0-091918

Tot Ion: 56 Resp: 20048
Ion Ratio Lower Upper
56 100
69 32.7 25.4 38.2
84 83.4 71.4 107.2

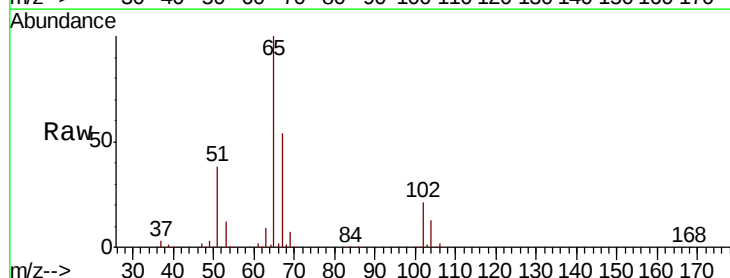


Abundance Ion 56.00 (55.70 to 56.70): VX0
Ion 69.00 (68.70 to 69.70): VX0
Ion 84.00 (83.70 to 84.70): VX0

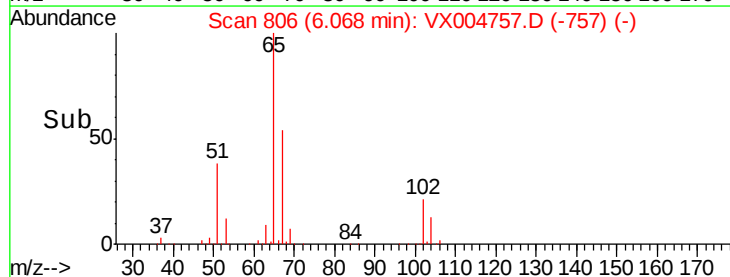
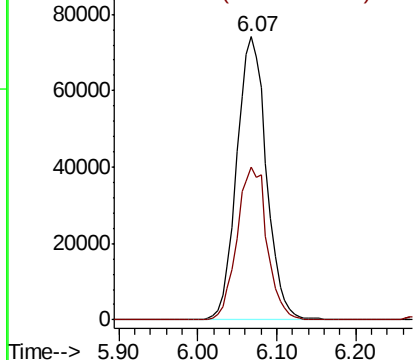


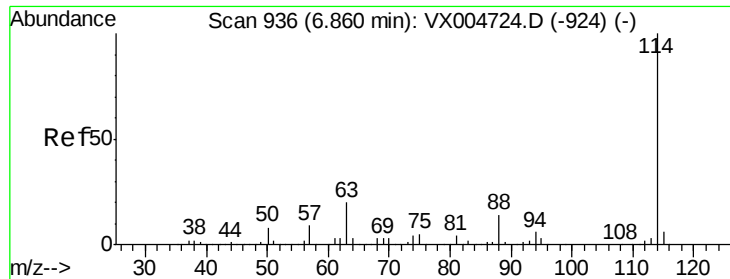
#33
1,2-Dichloroethane-d4
Concen: 52.332 ug/l
RT: 6.07 min Scan# 806
Delta R.T. 0.00 min
Lab File: VX004757.D
Acq: 27 Sep 2018 06:52

Tgt Ion: 65 Resp: 193864
Ion Ratio Lower Upper
65 100
67 54.6 0.0 106.8



Abundance Ion 64.90 (64.60 to 65.60): VX0
Ion 66.90 (66.60 to 67.60): VX0

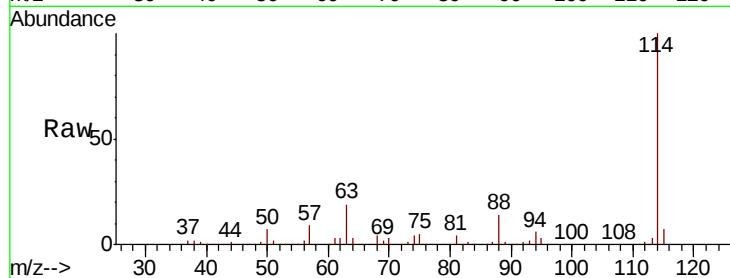




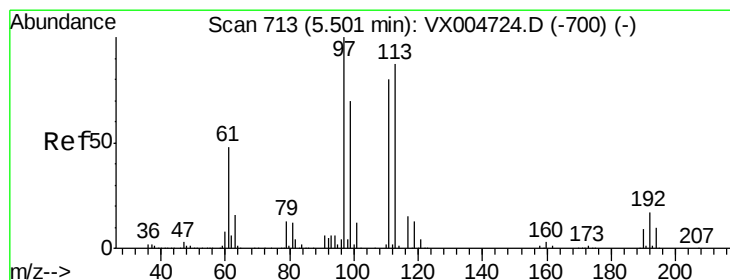
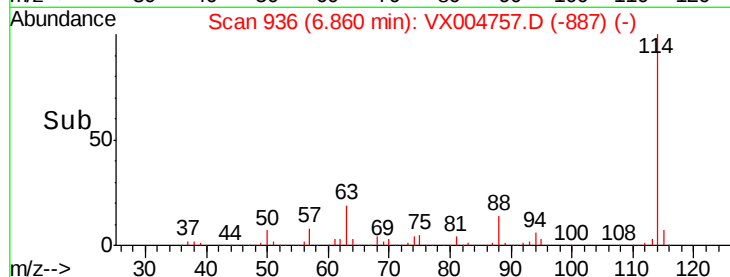
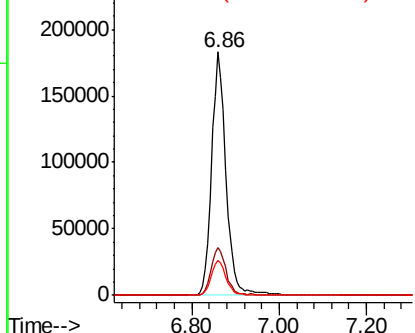
#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.86 min Scan# 936
 Delta R.T. 0.00 min
 Lab File: VX004757.D
 Acq: 27 Sep 2018 06:52

Instrument :
 MSVOA_X
 ClientSampleId :
 T11-MW-5-9.0-091918

Tot Ion:114 Resp: 427577
 Ion Ratio Lower Upper
 114 100
 63 19.4 0.0 39.0
 88 14.2 0.0 30.4

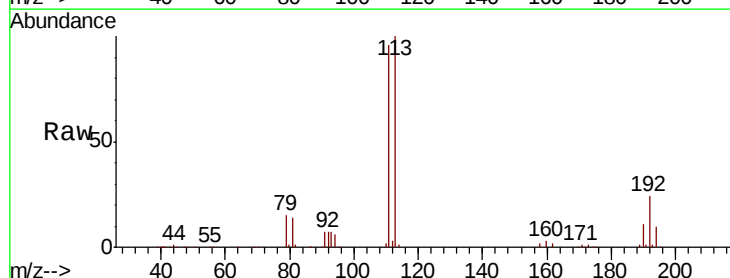


Abundance Ion 113.90 (113.60 to 114.60): V
 Ion 63.00 (62.70 to 63.70): VX0
 Ion 87.90 (87.60 to 88.60): VX0

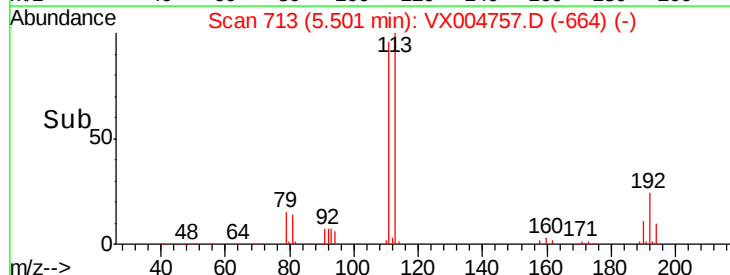
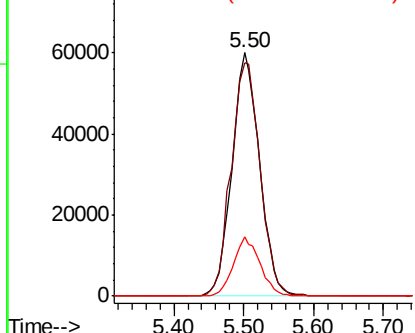


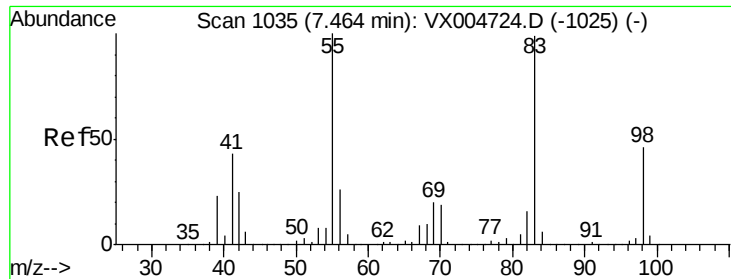
#35
 Dibromofluoromethane
 Concen: 45.338 ug/l
 RT: 5.50 min Scan# 713
 Delta R.T. 0.00 min
 Lab File: VX004757.D
 Acq: 27 Sep 2018 06:52

Tgt Ion:113 Resp: 164294
 Ion Ratio Lower Upper
 113 100
 111 101.0 82.4 123.6
 192 23.4 19.4 29.2



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

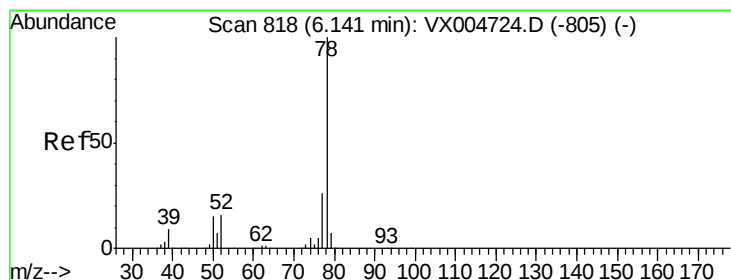
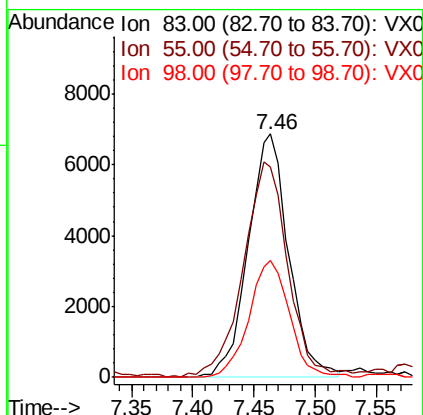
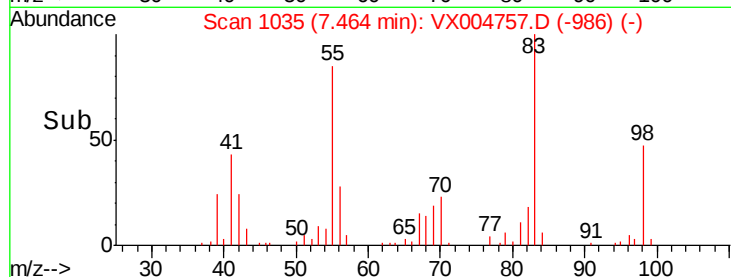
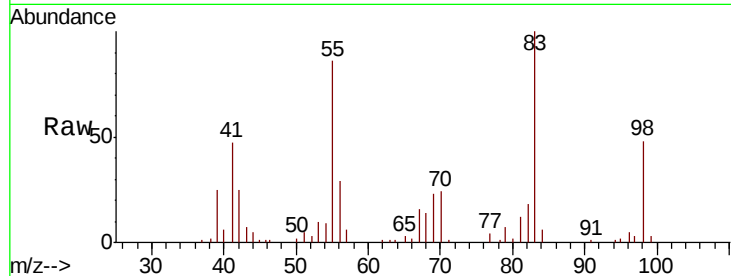




#39
Methvlcvclohexane
Concen: 3.129 ug/l
RT: 7.46 min Scan# 1035
Delta R.T. 0.00 min
Lab File: VX004757.D
Acq: 27 Sep 2018 06:52

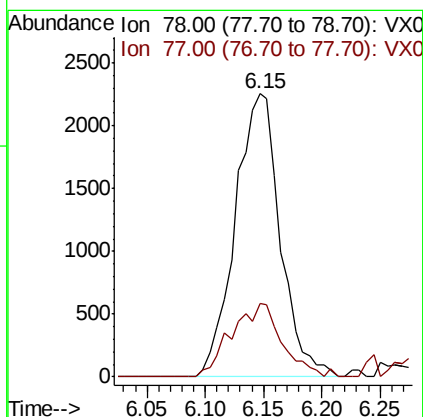
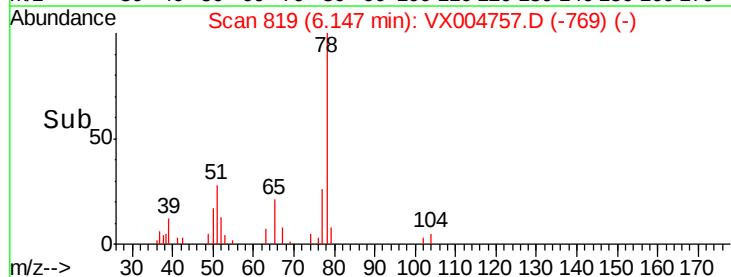
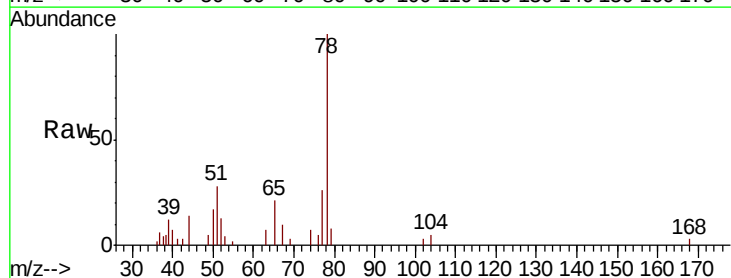
Instrument :
MSVOA_X
ClientSampleId :
T11-MW-5-9.0-091918

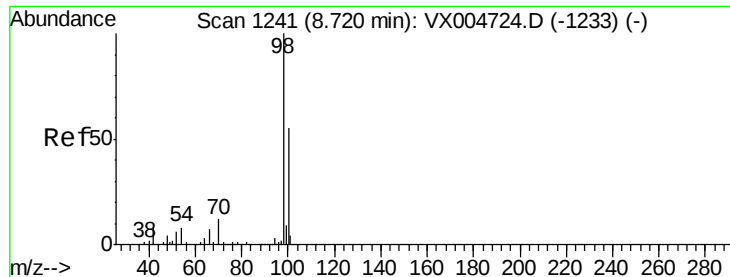
Tot Ion: 83 Resp: 15797
Ion Ratio Lower Upper
83 100
55 84.6 61.0 91.4
98 47.9 39.6 59.4



#40
Benzene
Concen: 0.391 ug/l
RT: 6.15 min Scan# 819
Delta R.T. 0.01 min
Lab File: VX004757.D
Acq: 27 Sep 2018 06:52

Tgt Ion: 78 Resp: 6048
Ion Ratio Lower Upper
78 100
77 25.7 19.0 28.4





#50

Toluene-d8

Concen: 49.872 ug/l

RT: 8.71 min Scan# 1240

Delta R.T. -0.01 min

Lab File: VX004757.D

Acq: 27 Sep 2018 06:52

Instrument :

MSVOA_X

ClientSampleId :

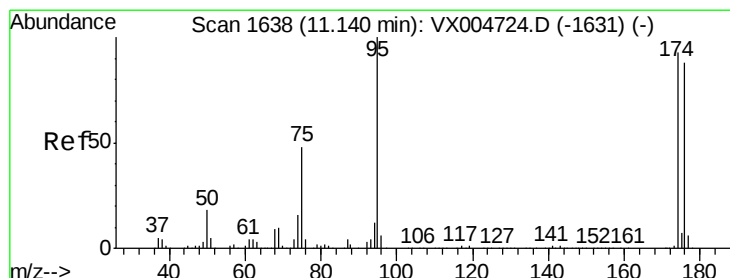
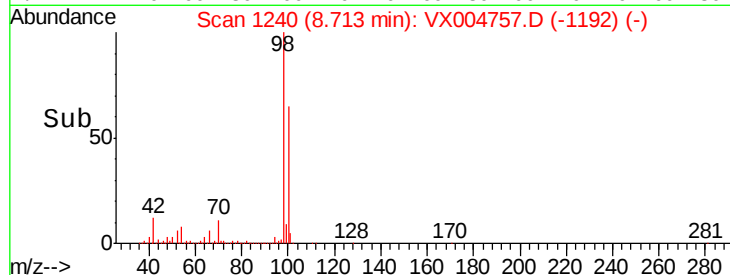
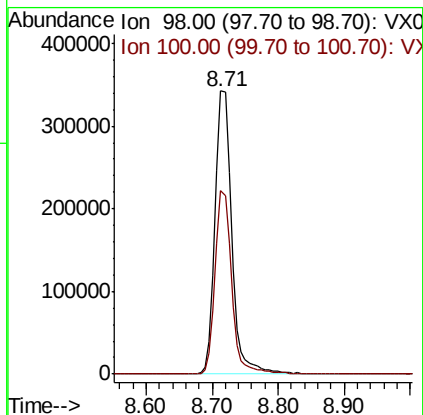
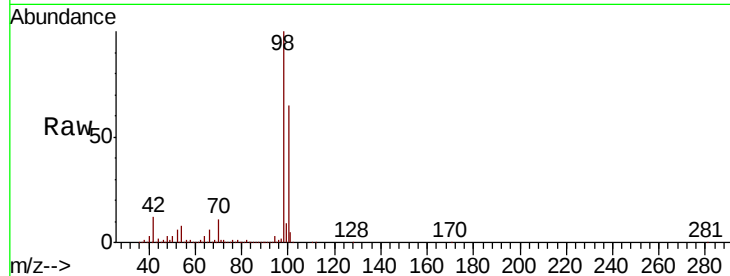
T11-MW-5-9.0-091918

Tot Ion: 98 Resp: 600813

Ion Ratio Lower Upper

98 100

100 64.1 52.9 79.3



#62

4-Bromofluorobenzene

Concen: 53.316 ug/l

RT: 11.14 min Scan# 1638

Delta R.T. 0.00 min

Lab File: VX004757.D

Acq: 27 Sep 2018 06:52

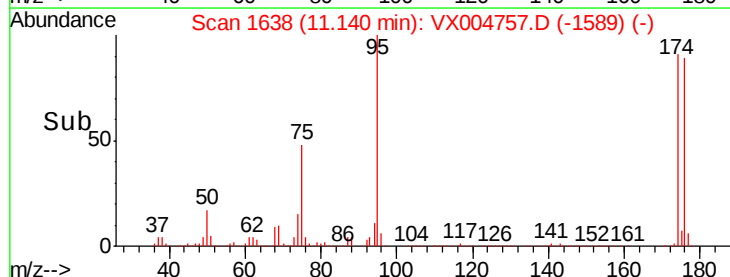
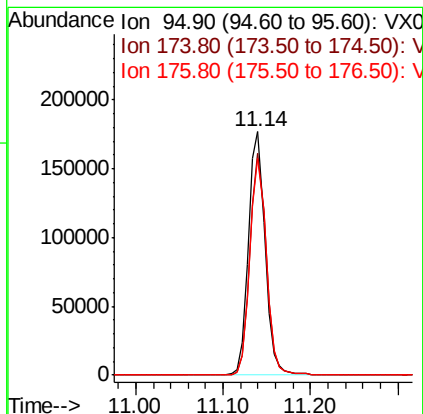
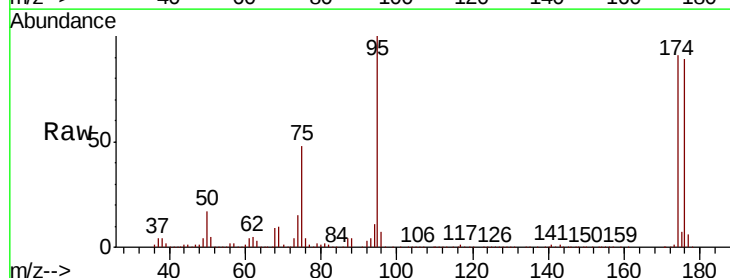
Tgt Ion: 95 Resp: 231394

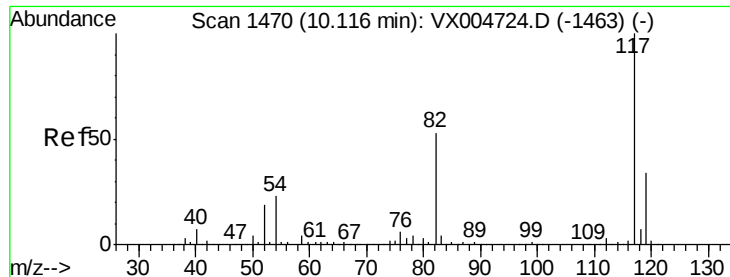
Ion Ratio Lower Upper

95 100

174 89.5 0.0 185.2

176 88.3 0.0 178.6

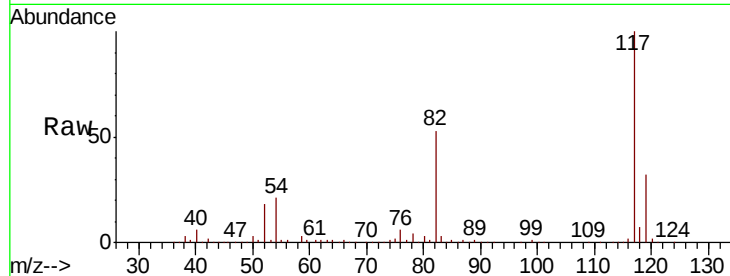




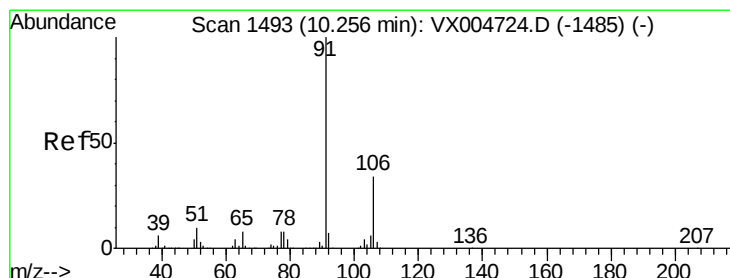
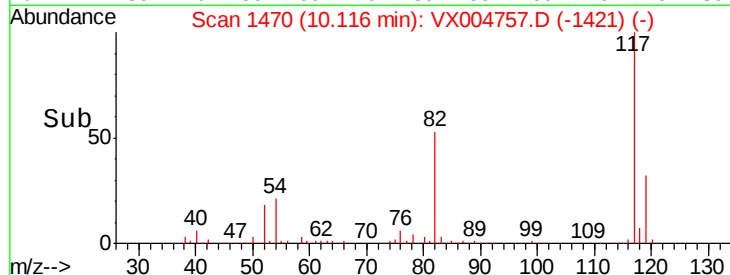
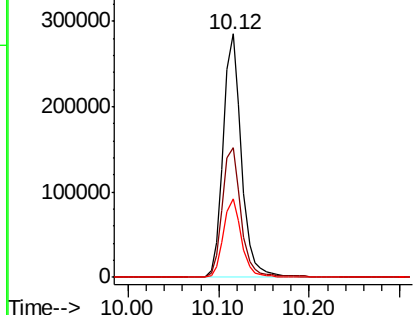
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.12 min Scan# 1470
Delta R.T. 0.00 min
Lab File: VX004757.D
Acq: 27 Sep 2018 06:52

Instrument :
MSVOA_X
ClientSampleId :
T11-MW-5-9.0-091918

Tot Ion:117 Resp: 400128
Ion Ratio Lower Upper
117 100
82 53.4 47.8 71.6
119 32.3 29.3 43.9

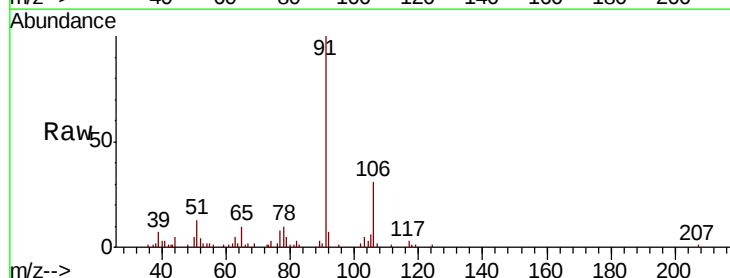


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): VX0
Ion 118.90 (118.60 to 119.60): V

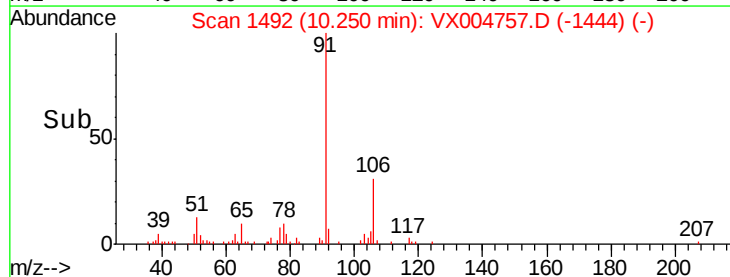
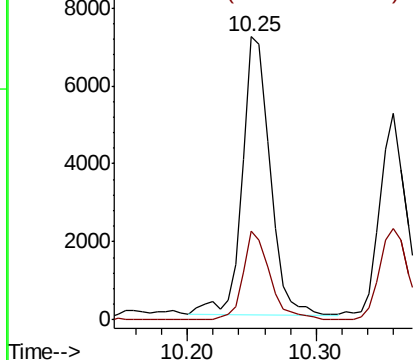


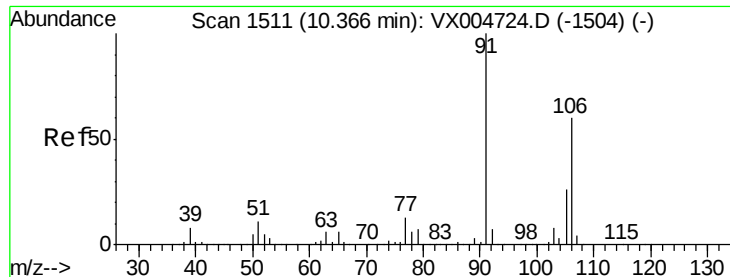
#67
Ethyl Benzene
Concen: 0.652 ug/l
RT: 10.25 min Scan# 1492
Delta R.T. -0.01 min
Lab File: VX004757.D
Acq: 27 Sep 2018 06:52

Tgt Ion: 91 Resp: 10627
Ion Ratio Lower Upper
91 100
106 31.9 25.9 38.9



Abundance Ion 91.00 (90.70 to 91.70): VX0
Ion 106.00 (105.70 to 106.70): V

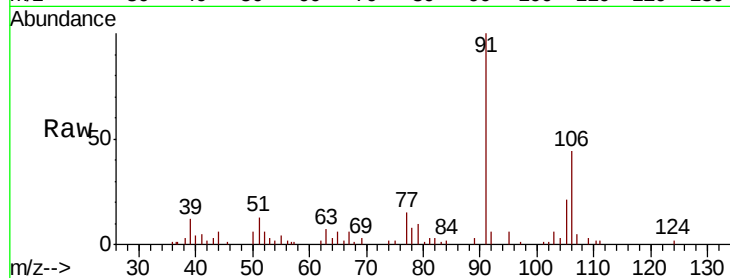




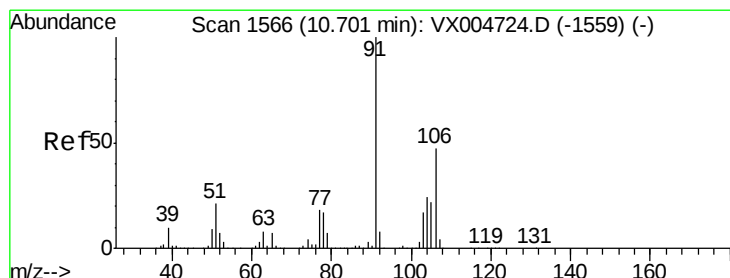
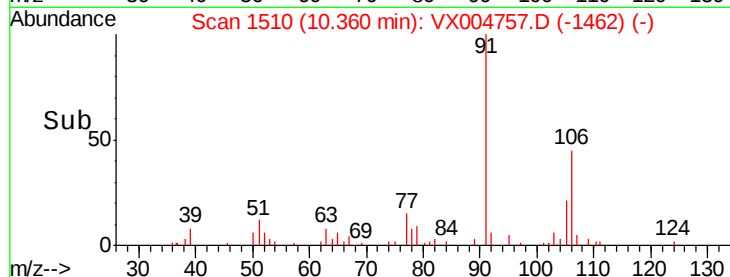
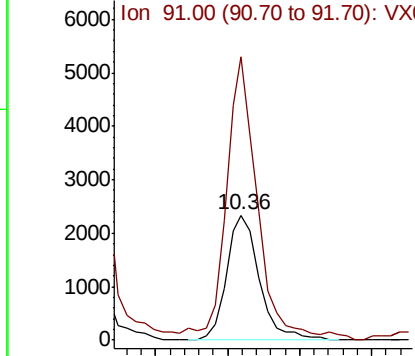
#68
m/p-Xylenes
Concen: 0.584 ug/l
RT: 10.36 min Scan# 1510
Delta R.T. -0.01 min
Lab File: VX004757.D
Acq: 27 Sep 2018 06:52

Instrument :
MSVOA_X
ClientSampleId :
T11-MW-5-9.0-091918

Tot Ion:106 Resp: 3719
Ion Ratio Lower Upper
106 100
91 197.7 157.1 235.7

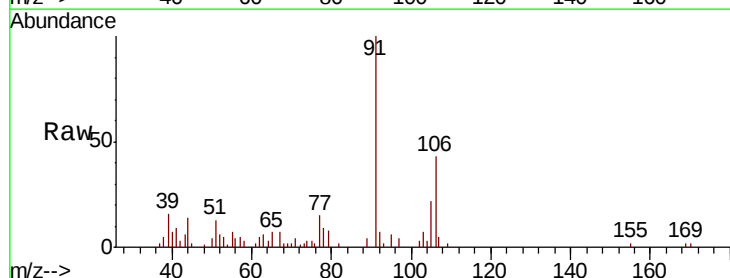


Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): VX0

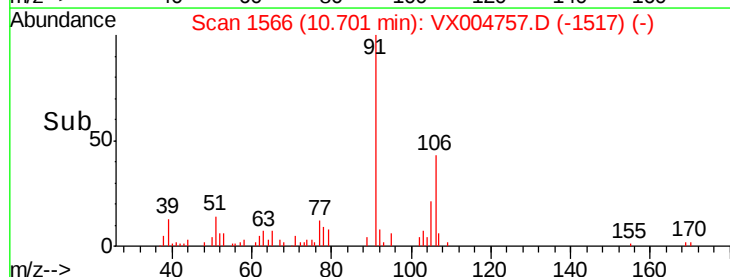
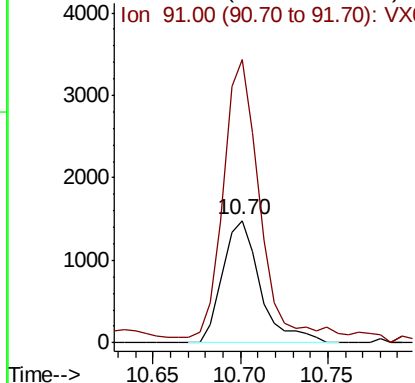


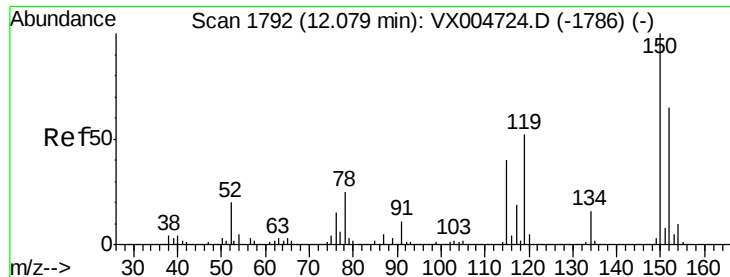
#69
o-Xylene
Concen: 0.381 ug/l
RT: 10.70 min Scan# 1566
Delta R.T. 0.00 min
Lab File: VX004757.D
Acq: 27 Sep 2018 06:52

Tgt Ion:106 Resp: 2228
Ion Ratio Lower Upper
106 100
91 215.7 105.1 315.1



Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): VX0





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.08 min Scan# 1792

Delta R.T. 0.00 min

Lab File: VX004757.D

Acq: 27 Sep 2018 06:52

Instrument :

MSVOA_X

ClientSampleId :

T11-MW-5-9.0-091918

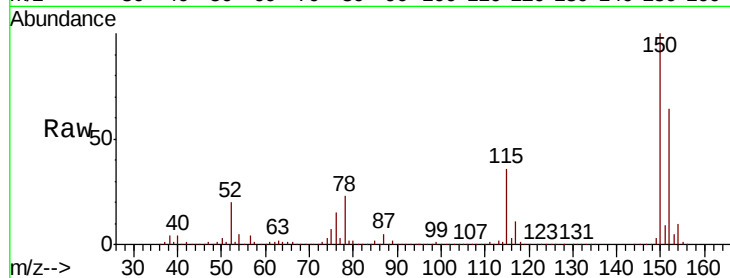
Tot Ion:152 Resp: 236212

Ion Ratio Lower Upper

152 100

115 56.5 39.0 117.0

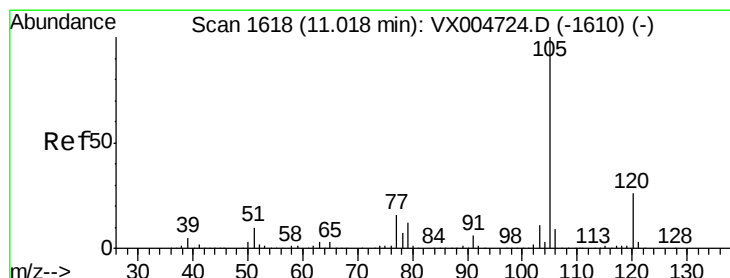
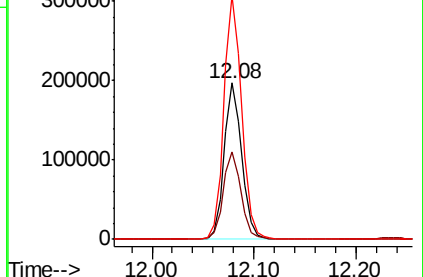
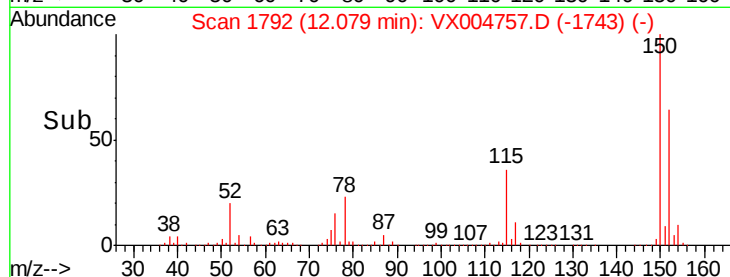
150 157.0 0.0 351.0



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



#73

Isopropylbenzene

Concen: 27.072 ug/l

RT: 11.02 min Scan# 1618

Delta R.T. 0.00 min

Lab File: VX004757.D

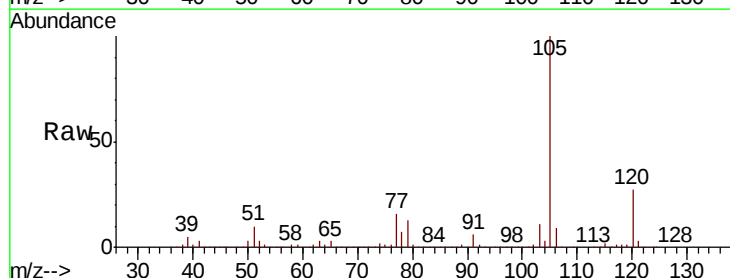
Acq: 27 Sep 2018 06:52

Tgt Ion:105 Resp: 403074

Ion Ratio Lower Upper

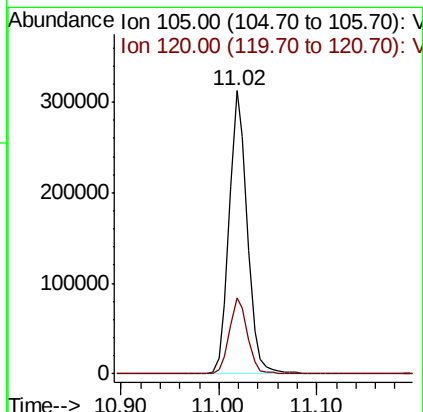
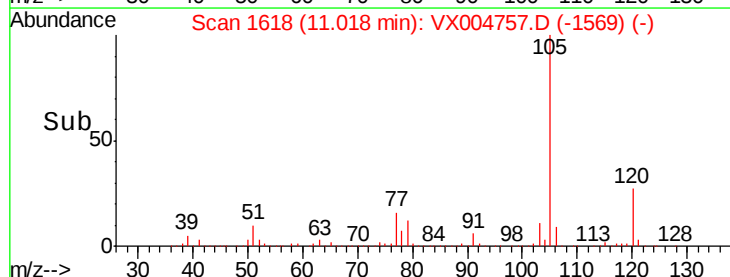
105 100

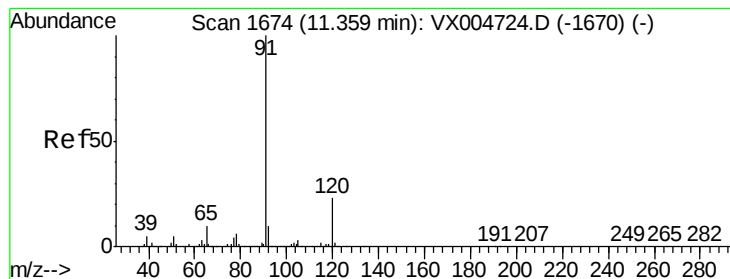
120 26.9 13.5 40.4



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#78

n-propylbenzene

Concen: 87.624 ug/l

RT: 11.36 min Scan# 1674

Delta R.T. 0.00 min

Lab File: VX004757.D

Acq: 27 Sep 2018 06:52

Instrument :

MSVOA_X

ClientSampleId :

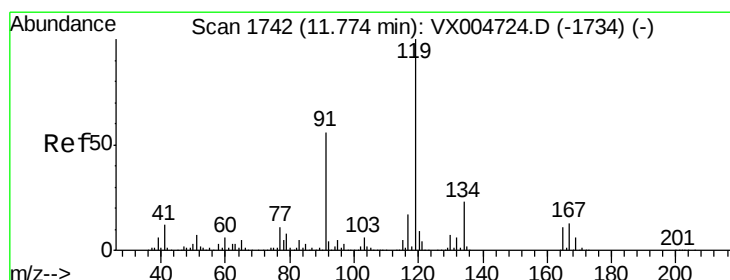
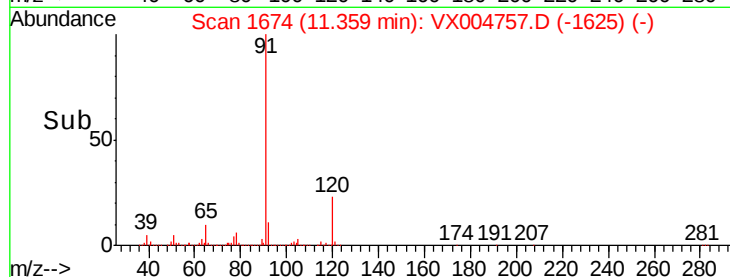
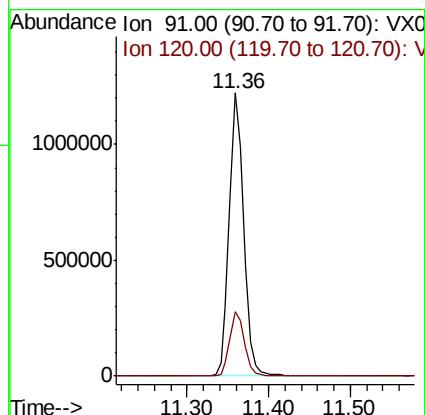
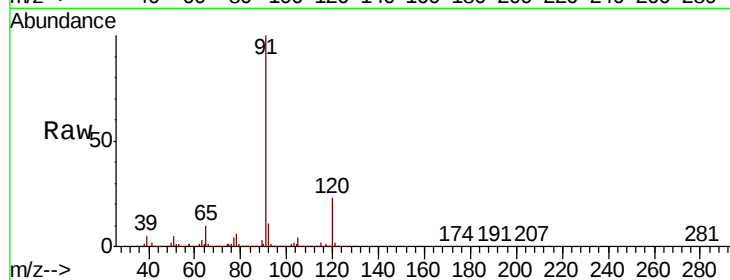
T11-MW-5-9.0-091918

Tot Ion: 91 Resp: 1496883

Ion Ratio Lower Upper

91 100

120 23.0 11.9 35.9



#83

tert-Butylbenzene

Concen: 0.577 ug/l

RT: 11.77 min Scan# 1741

Delta R.T. -0.01 min

Lab File: VX004757.D

Acq: 27 Sep 2018 06:52

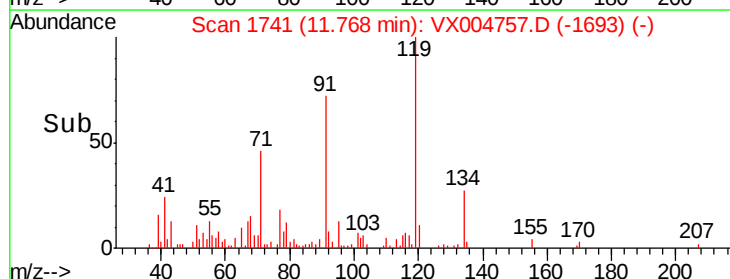
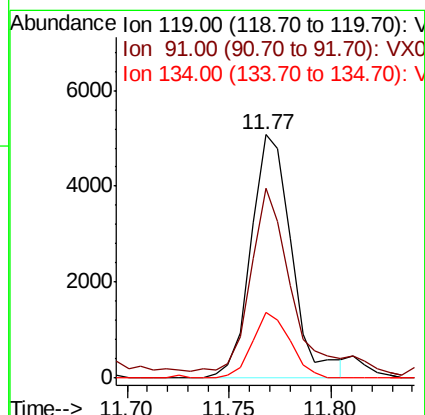
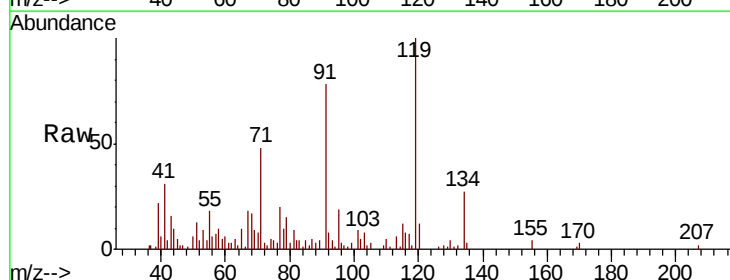
Tgt Ion: 119 Resp: 7069

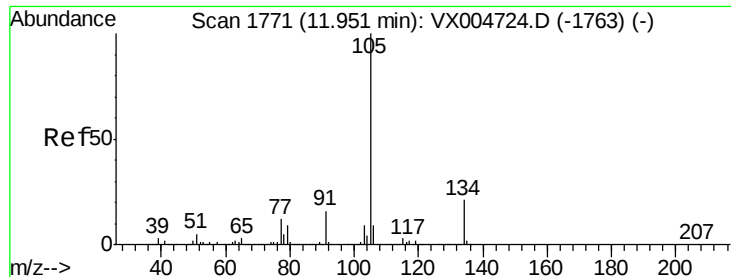
Ion Ratio Lower Upper

119 100

91 80.0 27.0 81.0

134 25.0 11.7 35.1





#85

sec-Butylbenzene

Concen: 5.816 ug/l

RT: 11.94 min Scan# 1770

Delta R.T. -0.01 min

Lab File: VX004757.D

Acq: 27 Sep 2018 06:52

Instrument :

MSVOA_X

ClientSampleId :

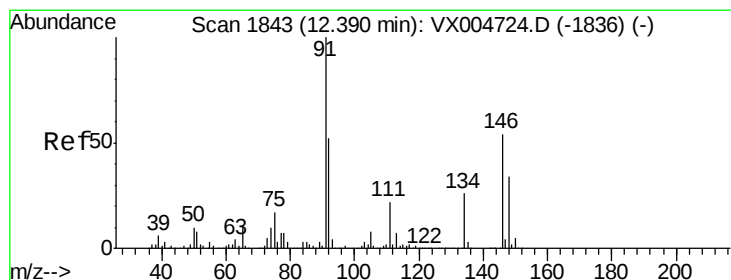
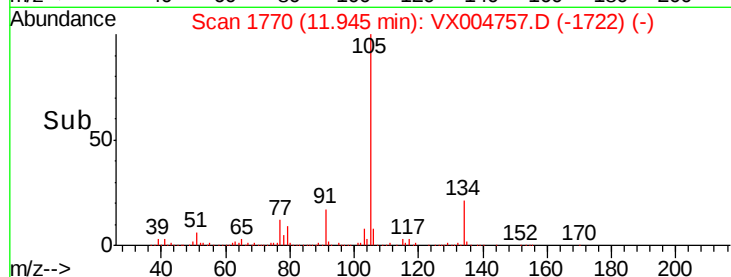
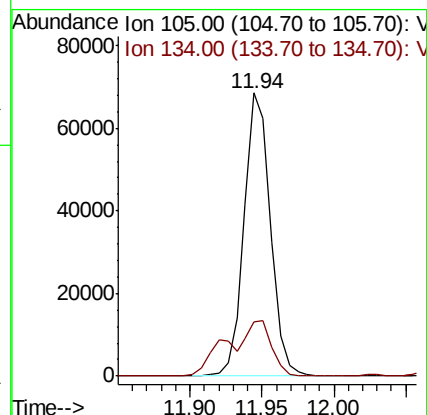
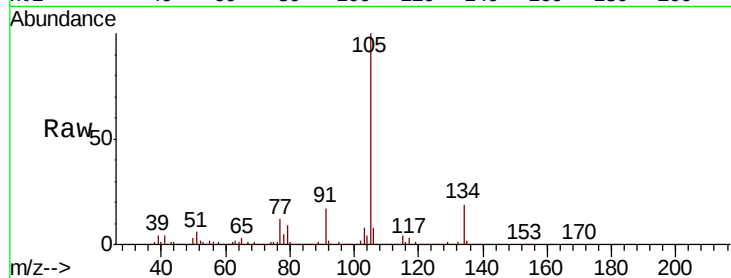
T11-MW-5-9.0-091918

Tot Ion:105 Resp: 86844

Ion Ratio Lower Upper

105 100

134 32.6 10.5 31.5#



#89

n-Butylbenzene

Concen: 9.769 ug/l

RT: 12.39 min Scan# 1843

Delta R.T. 0.00 min

Lab File: VX004757.D

Acq: 27 Sep 2018 06:52

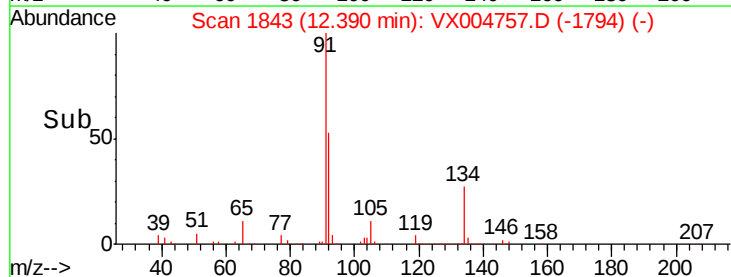
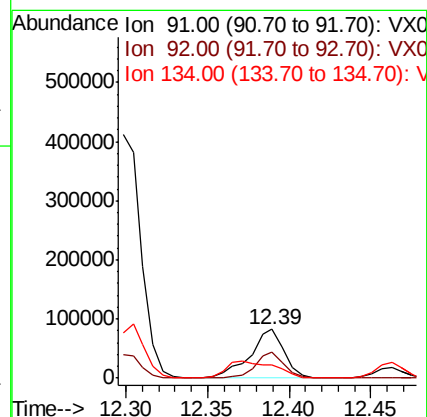
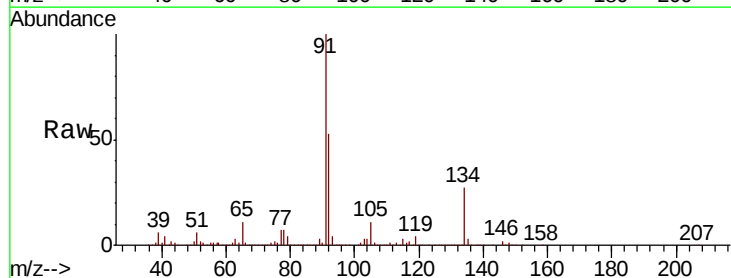
Tgt Ion: 91 Resp: 120015

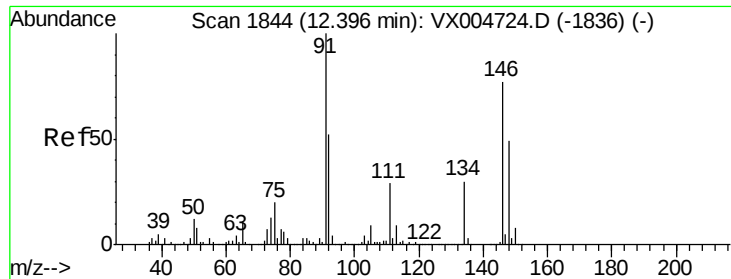
Ion Ratio Lower Upper

91 100

92 43.6 27.3 81.9

134 49.7 13.6 40.7#





#91

1,2-Dichlorobenzene

Concen: 0.288 ug/l

RT: 12.39 min Scan# 1843

Delta R.T. -0.01 min

Lab File: VX004757.D

Acq: 27 Sep 2018 06:52

Instrument :

MSVOA_X

ClientSampleId :

T11-MW-5-9.0-091918

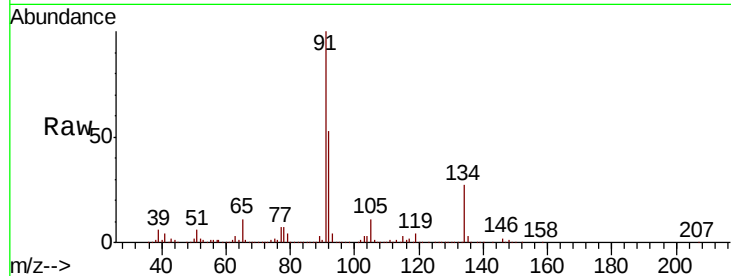
Tot Ion:146 Resp: 2429

Ion Ratio Lower Upper

146 100

111 52.1 19.4 58.1

148 64.1 32.8 98.3



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

