

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX071219\
 Data File : VX010845.D
 Acq On : 12 Jul 2019 18:46
 Operator : JC/SP
 Sample : K3786-10
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 24 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 FL-0591

Quant Time: Jul 13 04:38:28 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	212160	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	337524	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	307694	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	148533	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	109493	55.04	ug/l	0.00
Spiked Amount			Recovery	=	110.08%	
35) Dibromofluoromethane	5.50	113	102742	49.75	ug/l	0.00
Spiked Amount			Recovery	=	99.50%	
50) Toluene-d8	8.71	98	403832	51.11	ug/l	0.00
Spiked Amount			Recovery	=	102.22%	
62) 4-Bromofluorobenzene	11.13	95	139556	48.93	ug/l	0.00
Spiked Amount			Recovery	=	97.86%	

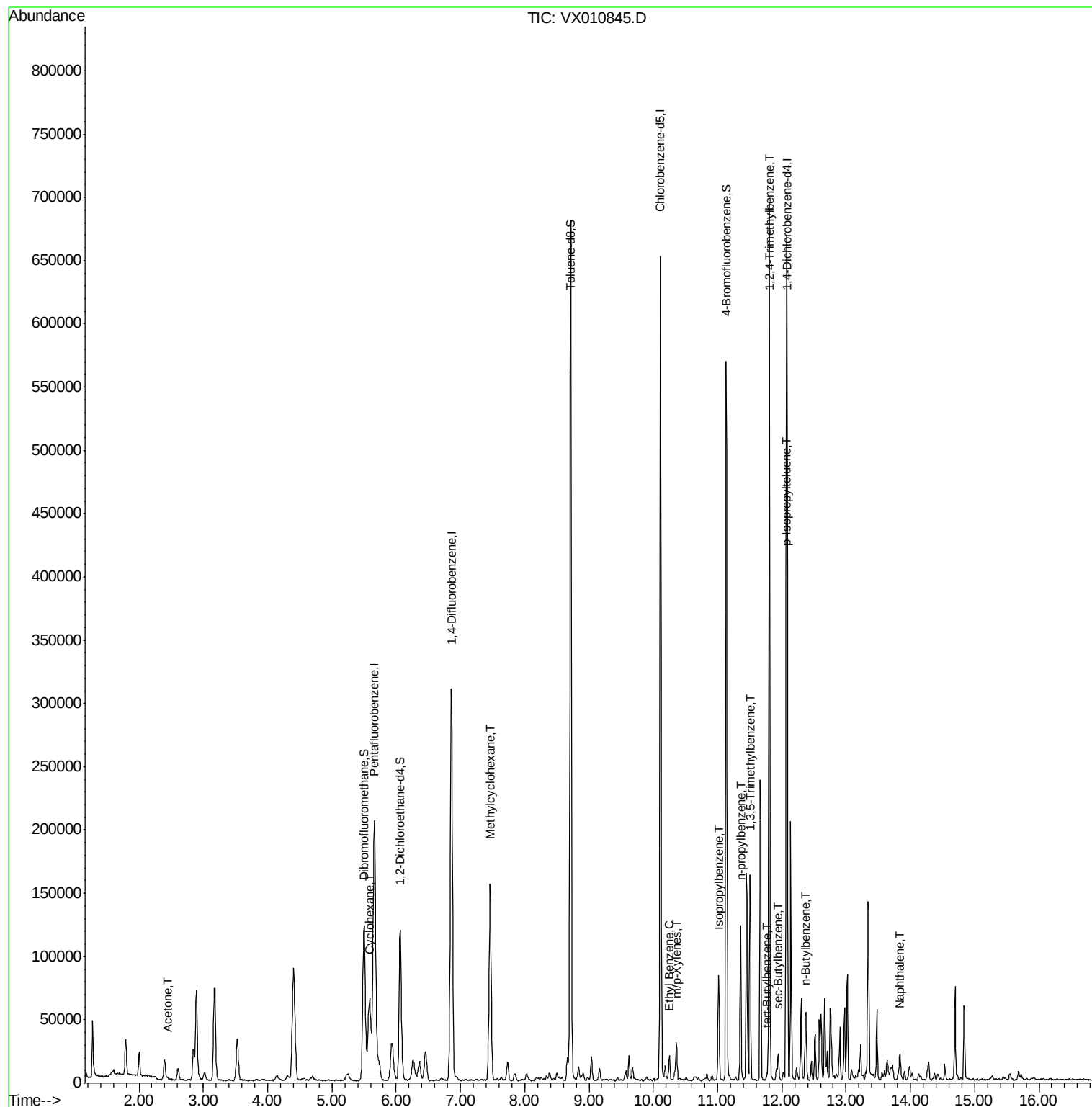
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
16) Acetone	2.45	43	2386	2.393	ug/l	95
31) Cyclohexane	5.58	56	44891	15.624	ug/l	96
39) Methylcyclohexane	7.46	83	73130	20.742	ug/l	99
67) Ethyl Benzene	10.25	91	11036	1.046	ug/l	93
68) m/p-Xylenes	10.36	106	6332	1.550	ug/l	100
73) Isopropylbenzene	11.02	105	44419	4.412	ug/l	100
78) n-propylbenzene	11.36	91	73121	6.608	ug/l	98
80) 1,3,5-Trimethylbenzene	11.51	105	68406	8.241	ug/l	100
83) tert-Butylbenzene	11.77	119	2160	0.259	ug/l	83
84) 1,2,4-Trimethylbenzene	11.80	105	281138	33.712	ug/l	100
85) sec-Butylbenzene	11.94	105	11068	1.131	ug/l	80
86) p-Isopropyltoluene	12.06	119	8341	0.922	ug/l	92
89) n-Butylbenzene	12.38	91	8869	1.154	ug/l #	34
95) Naphthalene	13.83	128	12614	1.214	ug/l #	94

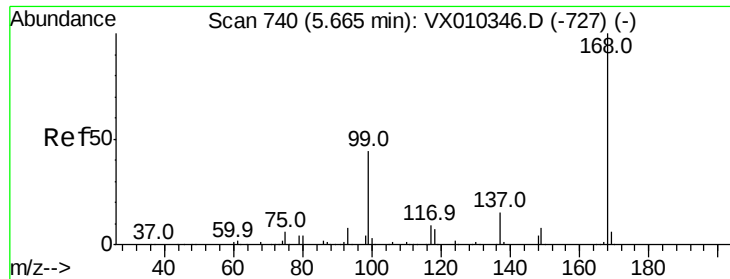
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: VX010845.D

Acq: 12 Jul 2019 18:46

Instrument :

MSVOA_X

ClientSampled :

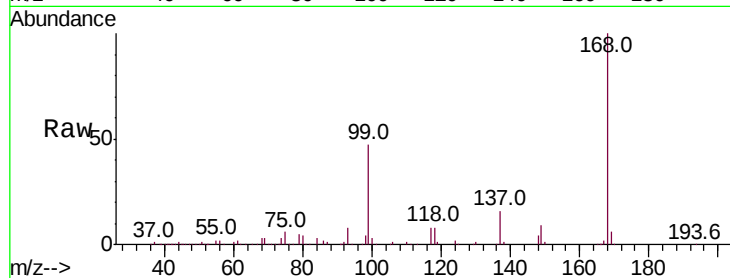
FL-0591

Tot Ion:168 Resp: 212160

Ion Ratio Lower Upper

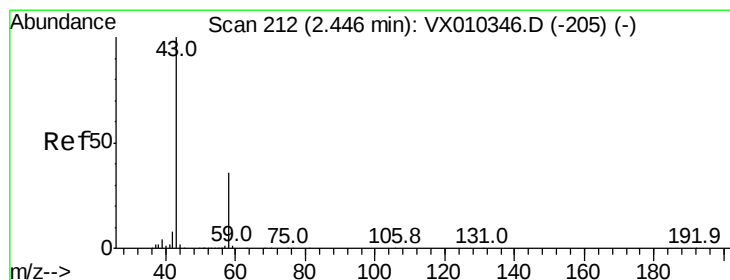
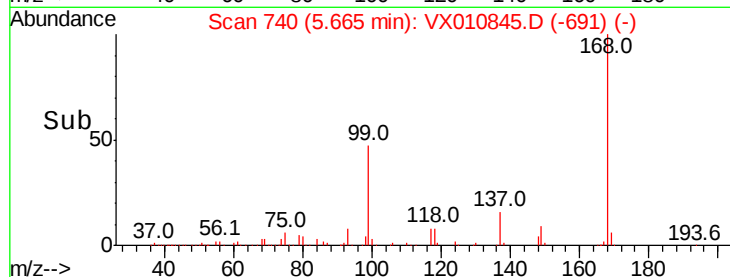
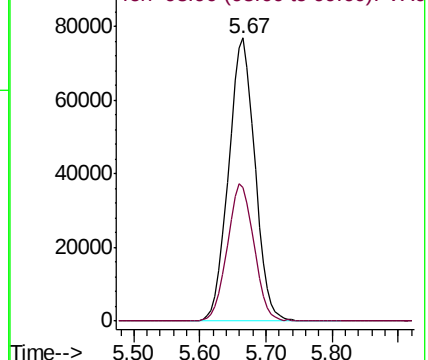
168 100

99 47.1 35.5 53.3



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0



#16

Acetone

Concen: 2.393 ug/l

RT: 2.45 min Scan# 212

Delta R.T. 0.00 min

Lab File: VX010845.D

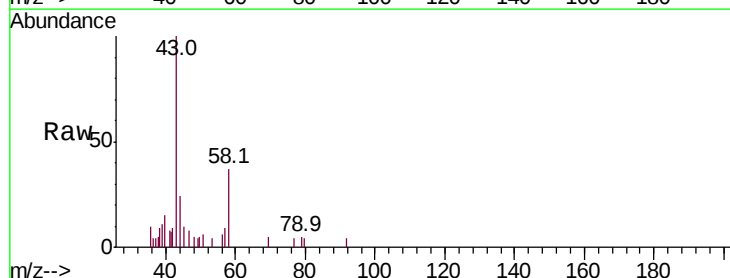
Acq: 12 Jul 2019 18:46

Tgt Ion: 43 Resp: 2386

Ion Ratio Lower Upper

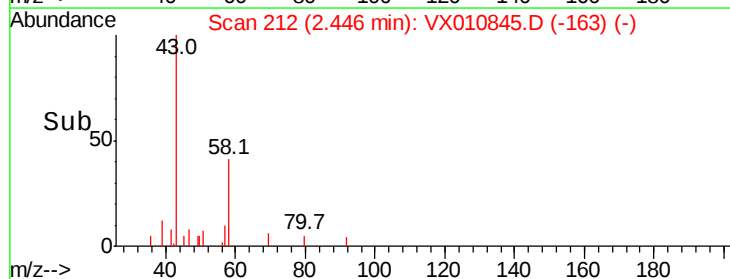
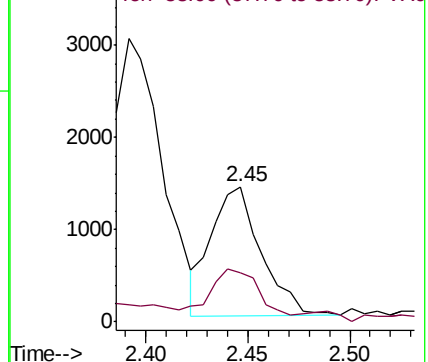
43 100

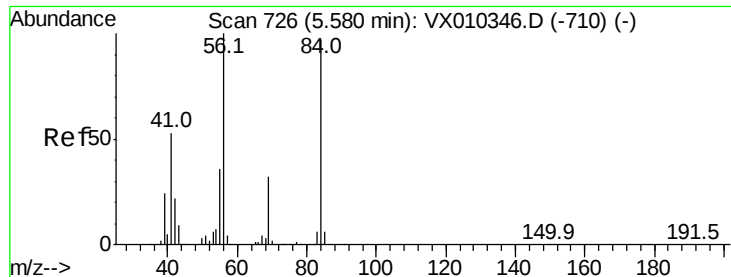
58 33.4 28.9 43.3



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0

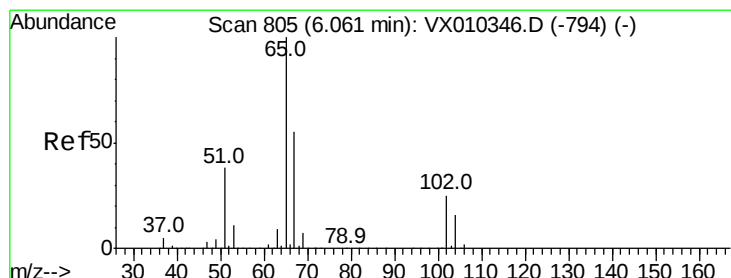
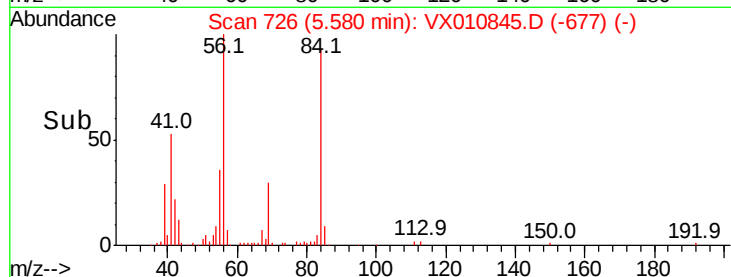
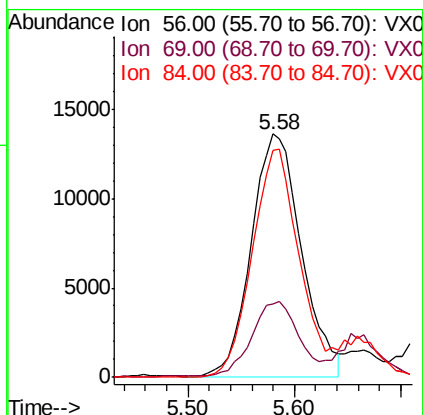
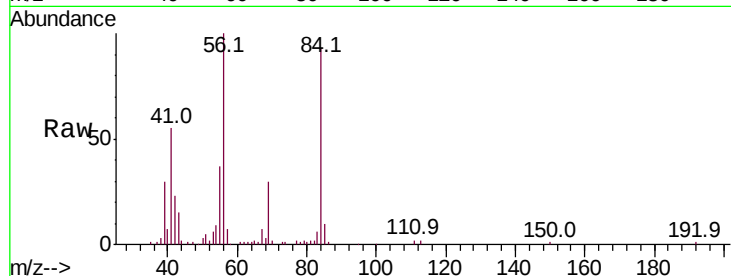




#31
Cyclohexane
Concen: 15.624 ug/l
RT: 5.58 min Scan# 726
Delta R.T. 0.00 min
Lab File: VX010845.D
Acq: 12 Jul 2019 18:46

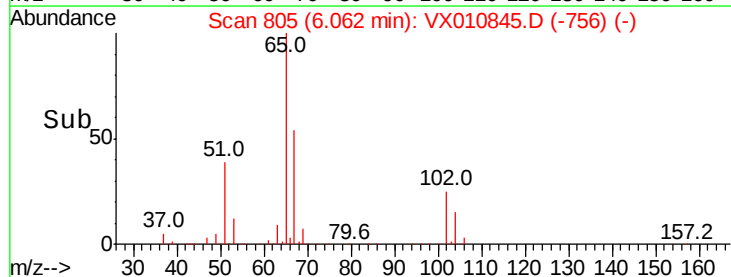
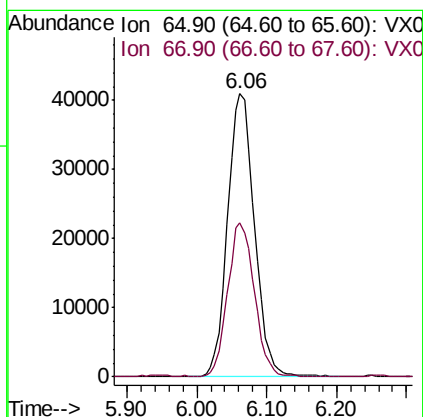
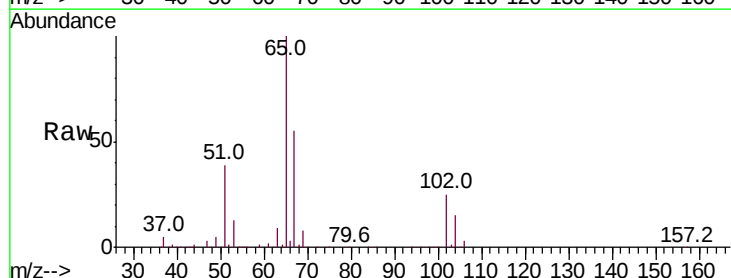
Instrument :
MSVOA_X
ClientSampleId :
FL-0591

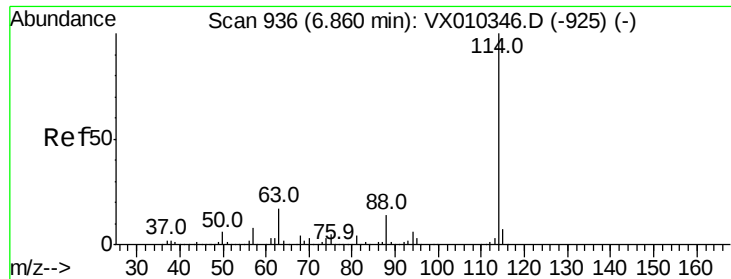
Tot Ion: 56 Resp: 44891
Ion Ratio Lower Upper
56 100
69 29.7 25.9 38.9
84 93.4 78.0 117.0



#33
1,2-Dichloroethane-d4
Concen: 55.043 ug/l
RT: 6.06 min Scan# 805
Delta R.T. 0.00 min
Lab File: VX010845.D
Acq: 12 Jul 2019 18:46

Tgt Ion: 65 Resp: 109493
Ion Ratio Lower Upper
65 100
67 54.1 0.0 110.2

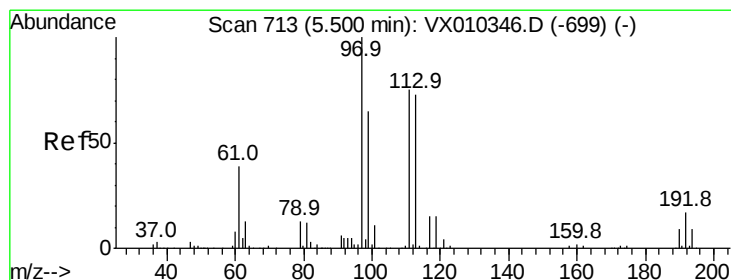
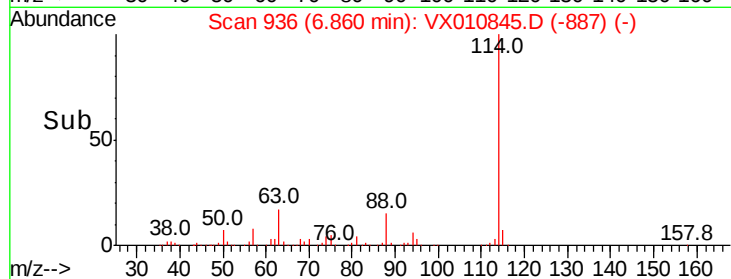
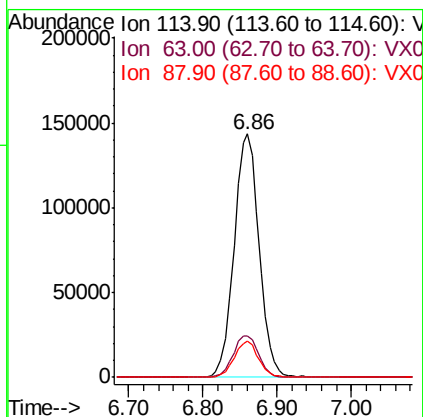
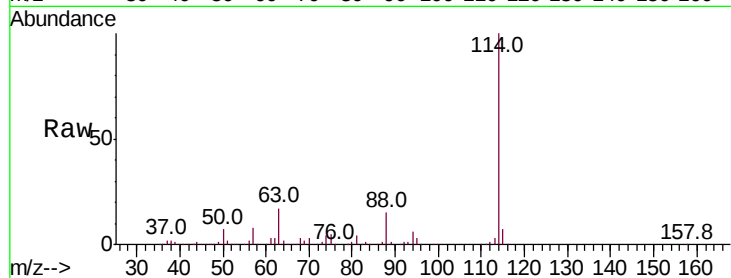




#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.86 min Scan# 936
 Delta R.T. 0.00 min
 Lab File: VX010845.D
 Acq: 12 Jul 2019 18:46

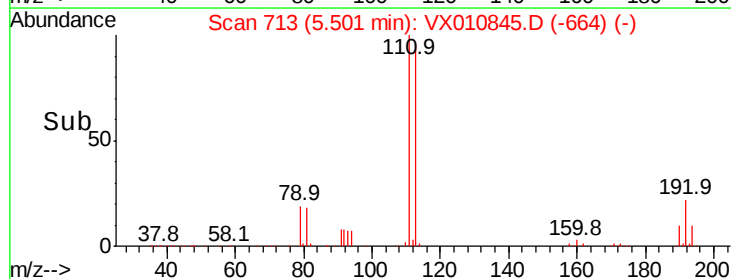
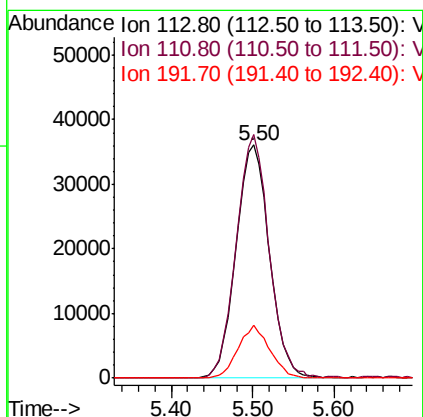
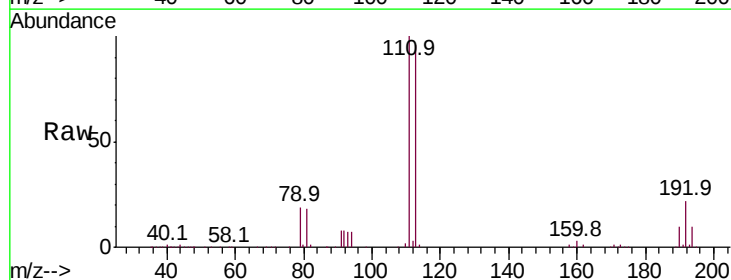
Instrument :
 MSVOA_X
 ClientSampleId :
 FL-0591

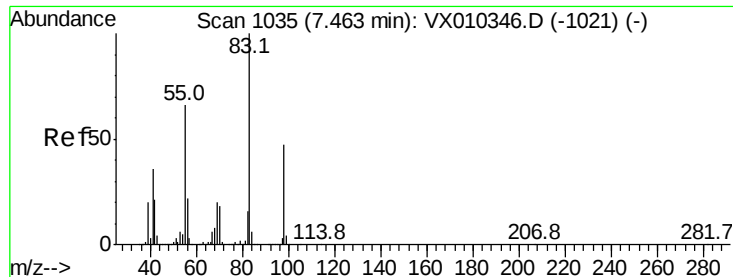
Tot Ion:114 Resp: 337524
 Ion Ratio Lower Upper
 114 100
 63 17.0 0.0 33.8
 88 14.9 0.0 27.6



#35
 Dibromofluoromethane
 Concen: 49.752 ug/l
 RT: 5.50 min Scan# 713
 Delta R.T. 0.00 min
 Lab File: VX010845.D
 Acq: 12 Jul 2019 18:46

Tgt Ion:113 Resp: 102742
 Ion Ratio Lower Upper
 113 100
 111 102.2 81.2 121.8
 192 21.4 18.6 27.8

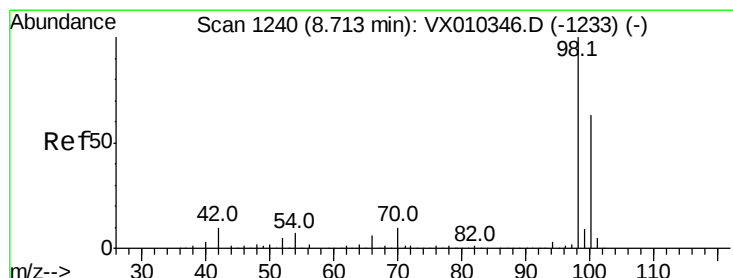
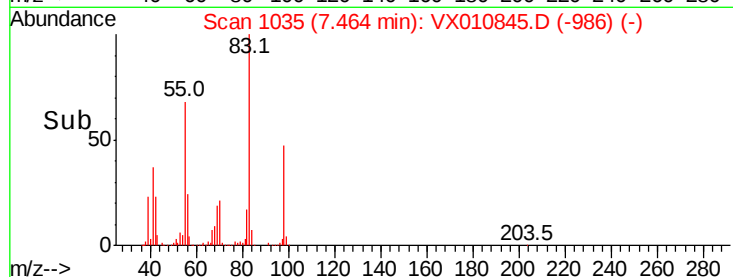
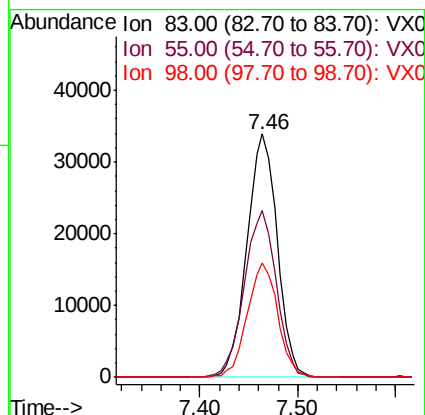
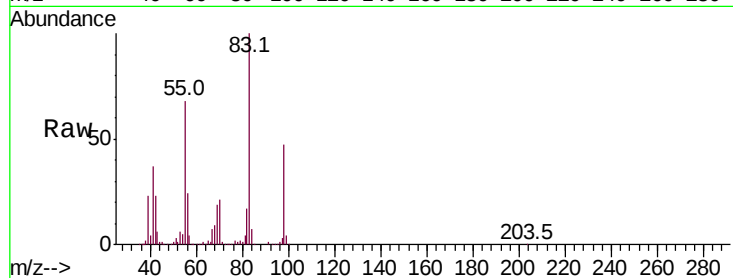




#39
Methvlcvclohexane
Concen: 20.742 ug/l
RT: 7.46 min Scan# 1035
Delta R.T. 0.00 min
Lab File: VX010845.D
Acq: 12 Jul 2019 18:46

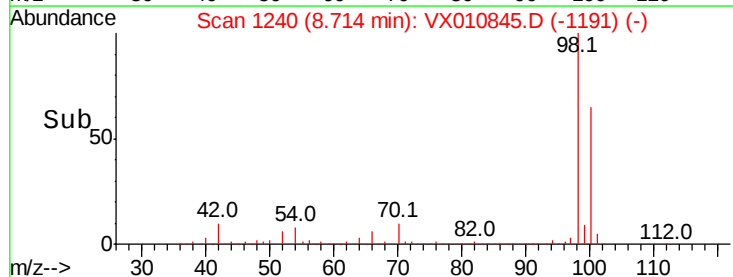
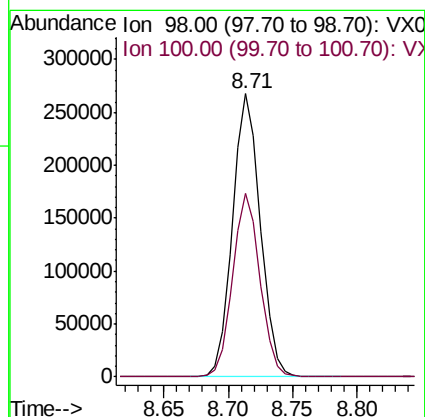
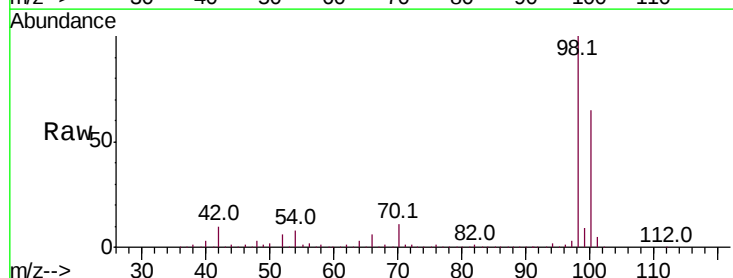
Instrument :
MSVOA_X
ClientSampled :
FL-0591

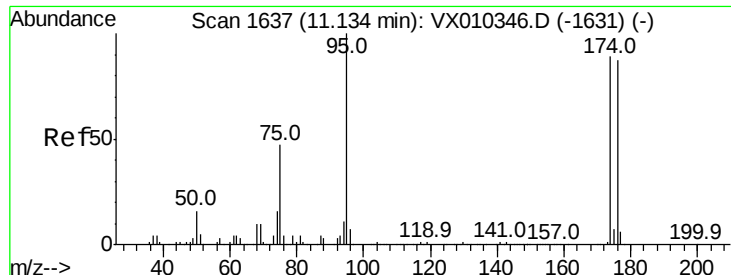
Tot Ion: 83 Resp: 73130
Ion Ratio Lower Upper
83 100
55 68.1 53.0 79.6
98 47.0 37.8 56.8



#50
Toluene-d8
Concen: 51.114 ug/l
RT: 8.71 min Scan# 1240
Delta R.T. 0.00 min
Lab File: VX010845.D
Acq: 12 Jul 2019 18:46

Tgt Ion: 98 Resp: 403832
Ion Ratio Lower Upper
98 100
100 63.8 51.6 77.4





#62

4-Bromofluorobenzene

Concen: 48.927 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. 0.00 min

Lab File: VX010845.D

Acq: 12 Jul 2019 18:46

Instrument :

MSVOA_X

ClientSampleId :

FL-0591

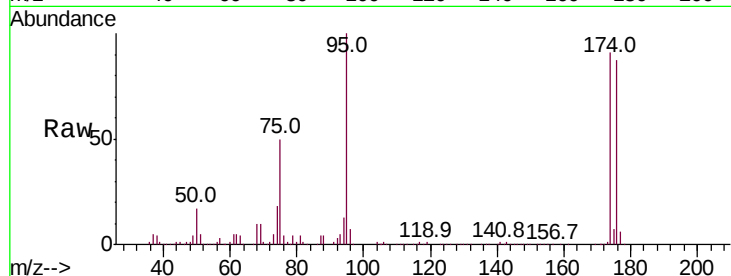
Tot Ion: 95 Resp: 139556

Ion Ratio Lower Upper

95 100

174 92.4 0.0 187.6

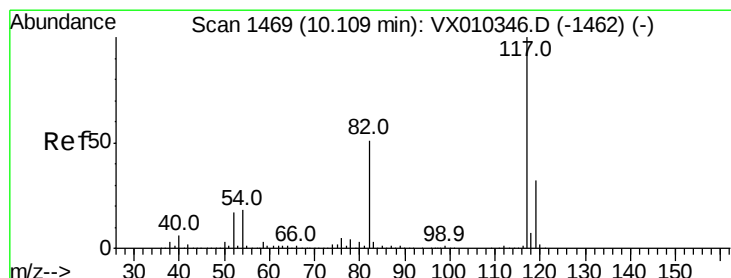
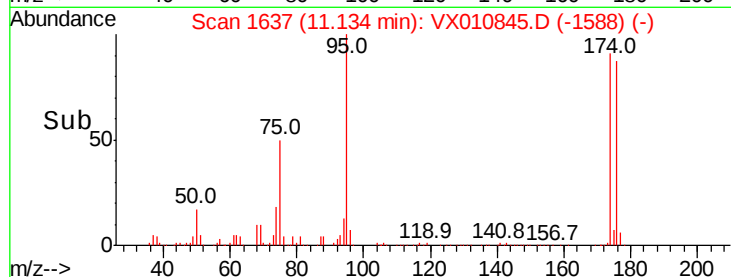
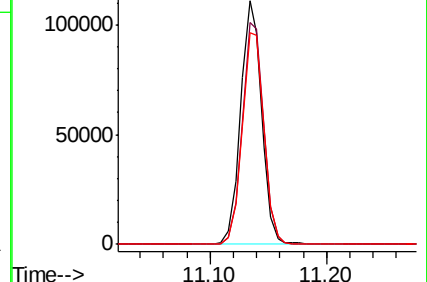
176 89.6 0.0 184.0



Abundance Ion 94.90 (94.60 to 95.60): VX010346.D (-1631) (-)

Ion 173.80 (173.50 to 174.50): VX010346.D (-1631) (-)

Ion 175.80 (175.50 to 176.50): VX010346.D (-1631) (-)



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 10.11 min Scan# 1469

Delta R.T. 0.00 min

Lab File: VX010845.D

Acq: 12 Jul 2019 18:46

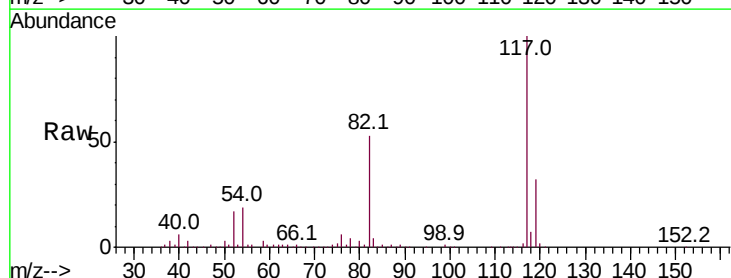
Tgt Ion: 117 Resp: 307694

Ion Ratio Lower Upper

117 100

82 53.3 41.2 61.8

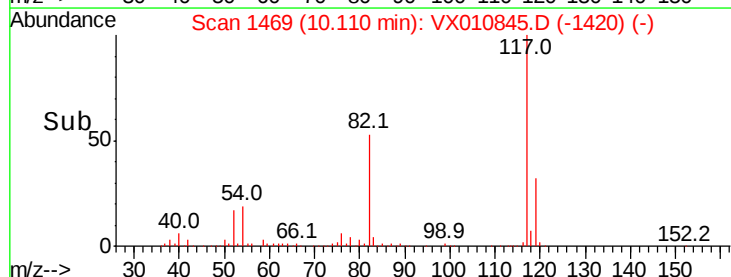
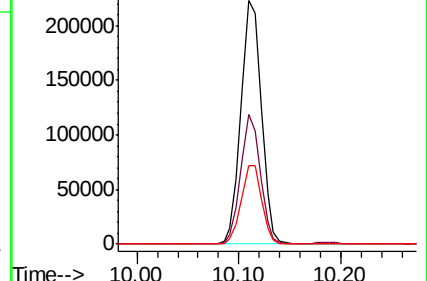
119 32.4 25.5 38.3

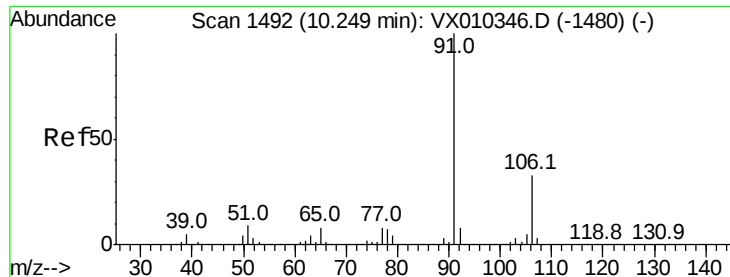


Abundance Ion 116.90 (116.60 to 117.60): VX010346.D (-1462) (-)

Ion 82.00 (81.70 to 82.70): VX010346.D (-1462) (-)

Ion 118.90 (118.60 to 119.60): VX010346.D (-1462) (-)

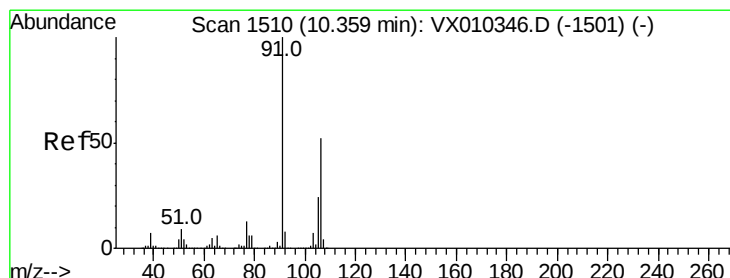
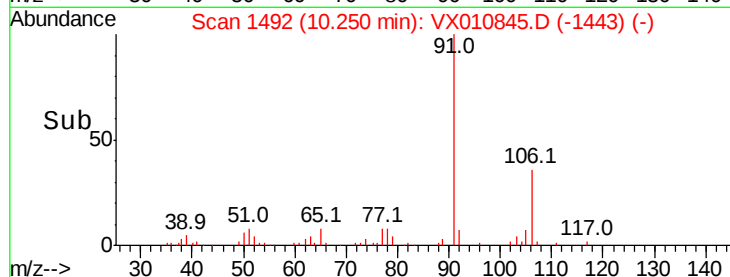
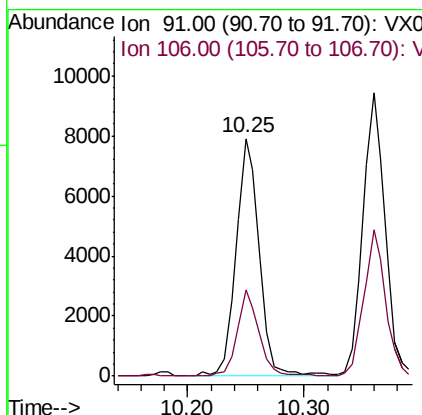
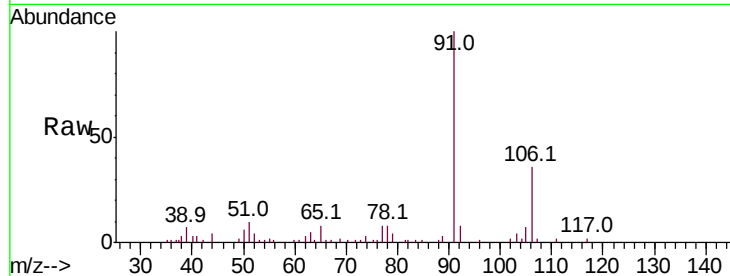




#67
Ethyl Benzene
Concen: 1.046 ug/l
RT: 10.25 min Scan# 1492
Delta R.T. 0.00 min
Lab File: VX010845.D
Acq: 12 Jul 2019 18:46

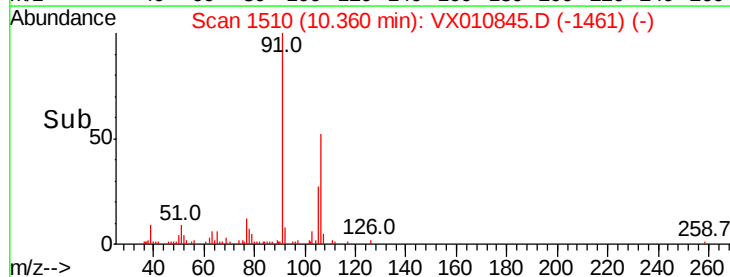
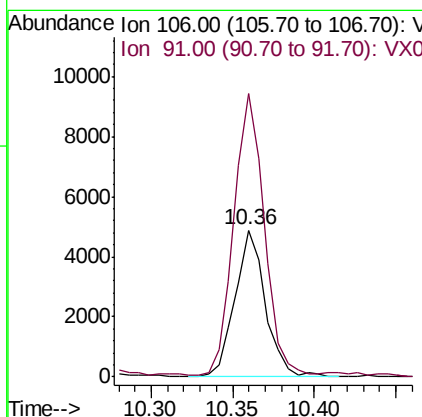
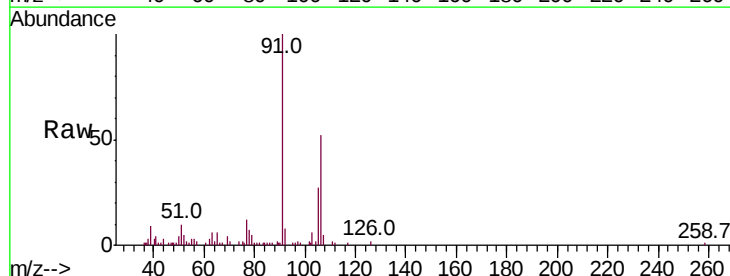
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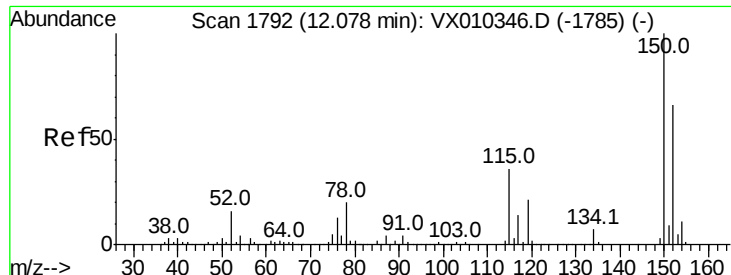
Tot Ion: 91 Resp: 11036
Ion Ratio Lower Upper
91 100
106 36.5 26.2 39.2



#68
m/p-Xylenes
Concen: 1.550 ug/l
RT: 10.36 min Scan# 1510
Delta R.T. 0.00 min
Lab File: VX010845.D
Acq: 12 Jul 2019 18:46

Tgt Ion: 106 Resp: 6332
Ion Ratio Lower Upper
106 100
91 194.8 155.3 232.9





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.08 min Scan# 1792

Delta R.T. 0.00 min

Lab File: VX010845.D

Acq: 12 Jul 2019 18:46

Instrument :

MSVOA_X

ClientSampleId :

FL-0591

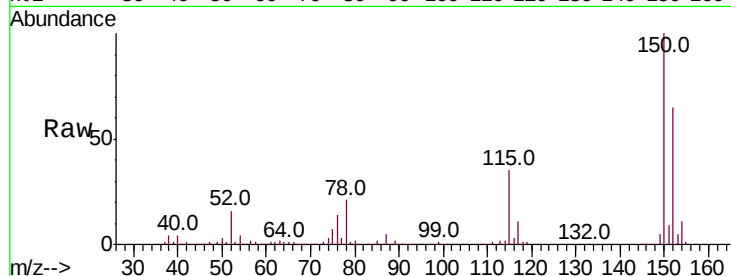
Tot Ion:152 Resp: 148533

Ion Ratio Lower Upper

152 100

115 55.5 38.6 115.7

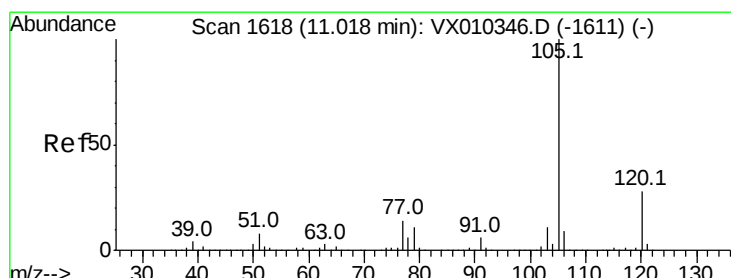
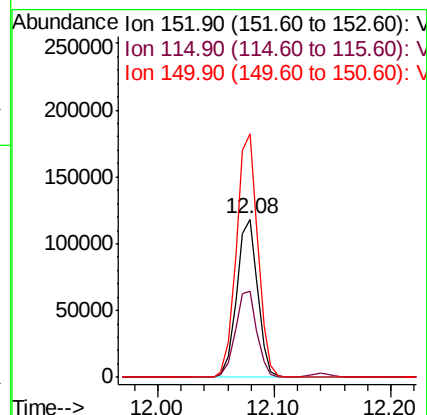
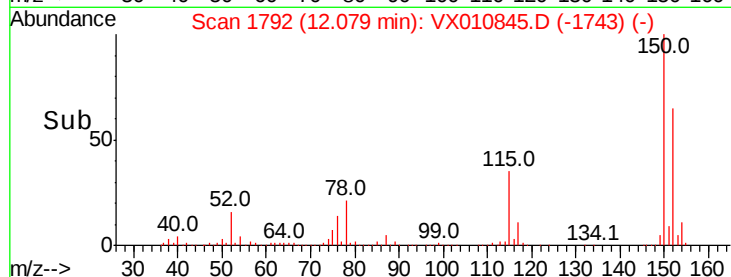
150 157.3 0.0 347.4



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



#73

Isopropylbenzene

Concen: 4.412 ug/l

RT: 11.02 min Scan# 1618

Delta R.T. 0.00 min

Lab File: VX010845.D

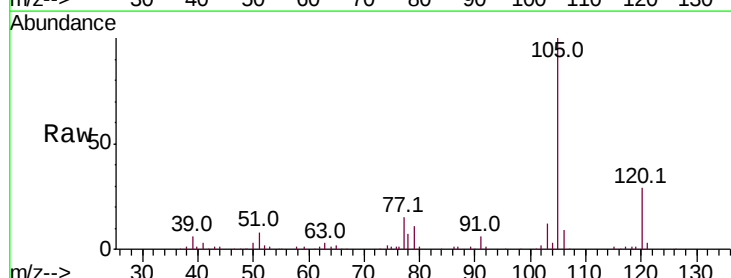
Acq: 12 Jul 2019 18:46

Tgt Ion:105 Resp: 44419

Ion Ratio Lower Upper

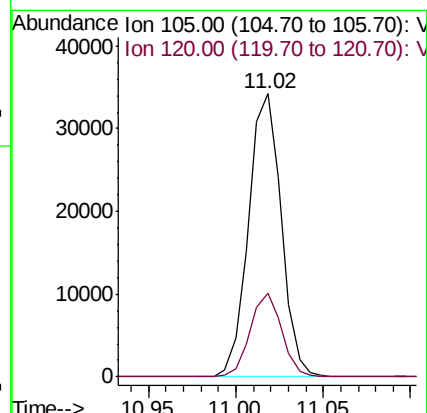
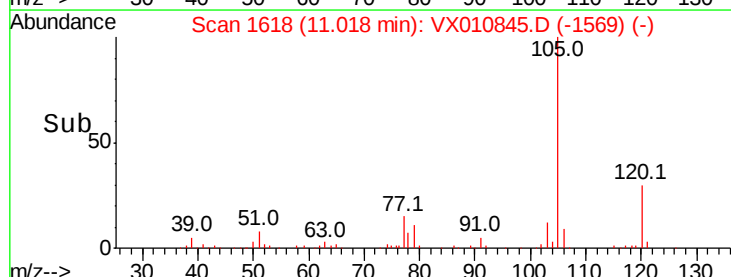
105 100

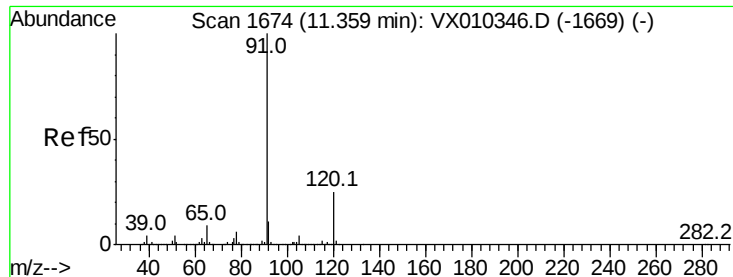
120 28.4 14.1 42.4



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#78

n-propylbenzene

Concen: 6.608 ug/l

RT: 11.36 min Scan# 1674

Delta R.T. 0.00 min

Lab File: VX010845.D

Acq: 12 Jul 2019 18:46

Instrument :

MSVOA_X

ClientSampleId :

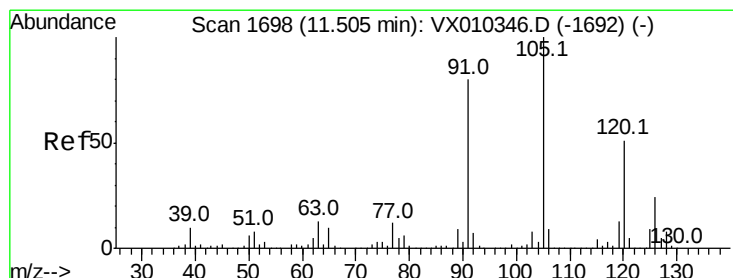
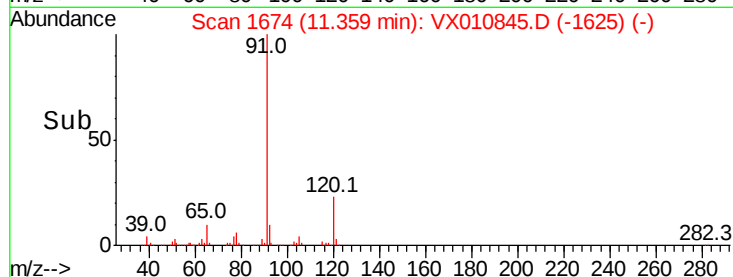
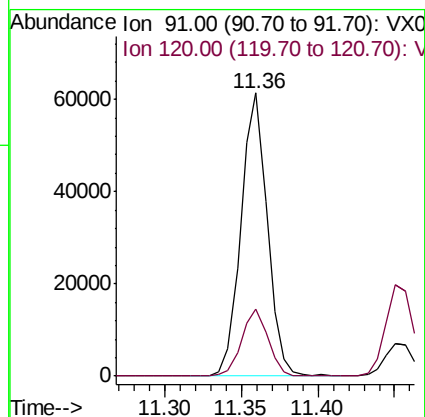
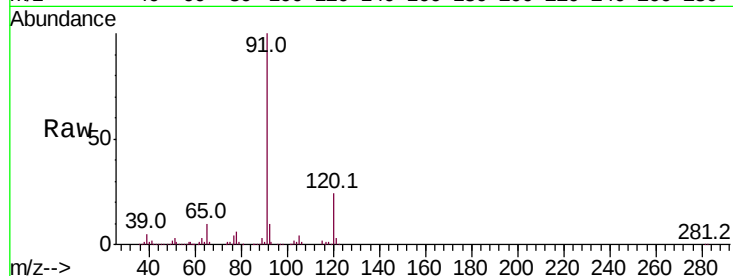
FL-0591

Tot Ion: 91 Resp: 73121

Ion Ratio Lower Upper

91 100

120 23.8 12.4 37.4



#80

1,3,5-Trimethylbenzene

Concen: 8.241 ug/l

RT: 11.51 min Scan# 1698

Delta R.T. 0.00 min

Lab File: VX010845.D

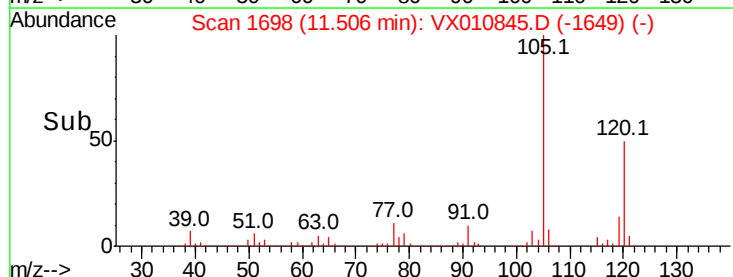
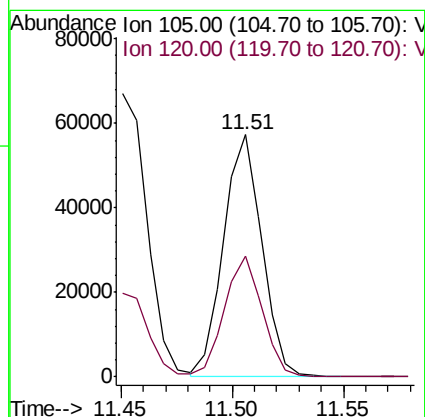
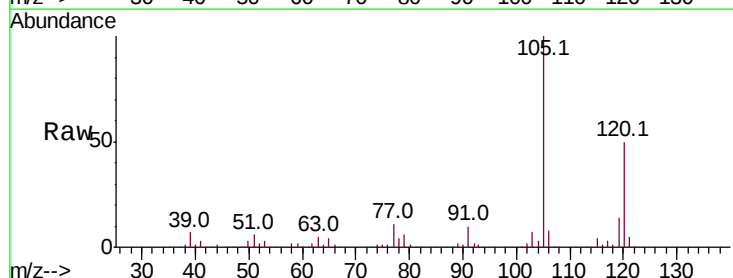
Acq: 12 Jul 2019 18:46

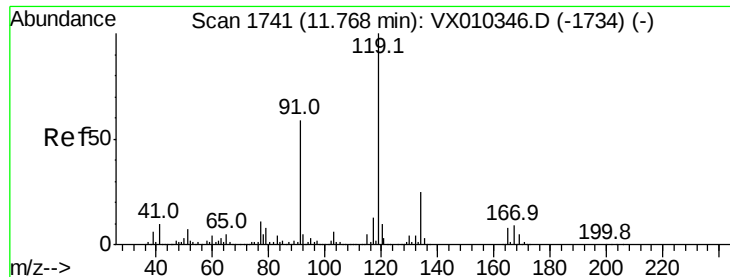
Tgt Ion:105 Resp: 68406

Ion Ratio Lower Upper

105 100

120 50.1 25.2 75.6





#83

tert-Butylbenzene

Concen: 0.259 ug/l

RT: 11.77 min Scan# 1741

Delta R.T. 0.00 min

Lab File: VX010845.D

Acq: 12 Jul 2019 18:46

Instrument :

MSVOA_X

ClientSampled :

FL-0591

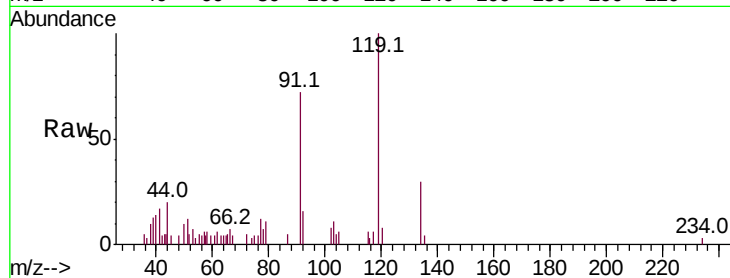
Tot Ion:119 Resp: 2160

Ion Ratio Lower Upper

119 100

91 69.8 27.6 82.7

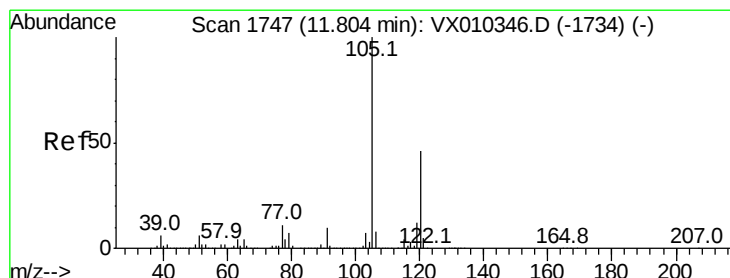
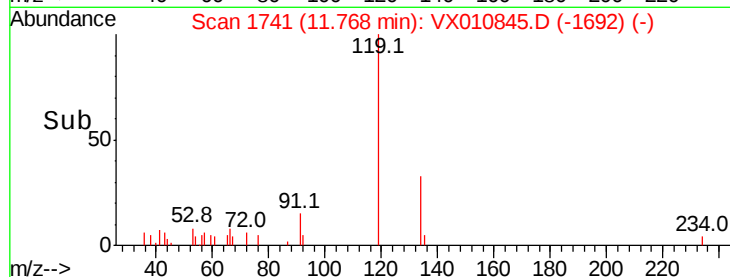
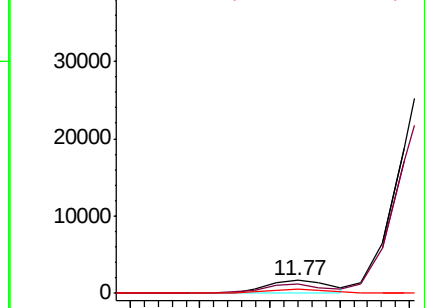
134 27.3 11.8 35.4



Abundance Ion 119.00 (118.70 to 119.70): V

Ion 91.00 (90.70 to 91.70): VX0

Ion 134.00 (133.70 to 134.70): V



#84

1,2,4-Trimethylbenzene

Concen: 33.712 ug/l

RT: 11.80 min Scan# 1747

Delta R.T. 0.00 min

Lab File: VX010845.D

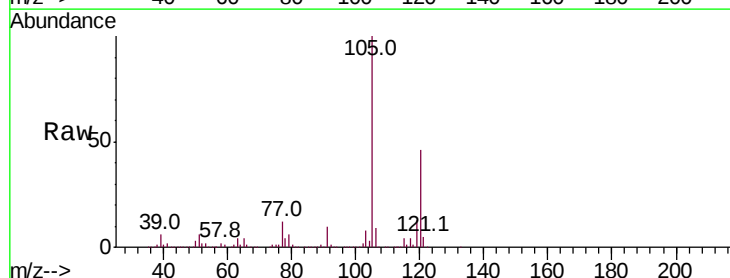
Acq: 12 Jul 2019 18:46

Tgt Ion:105 Resp: 281138

Ion Ratio Lower Upper

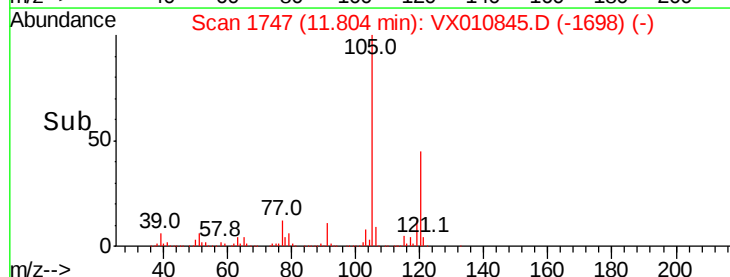
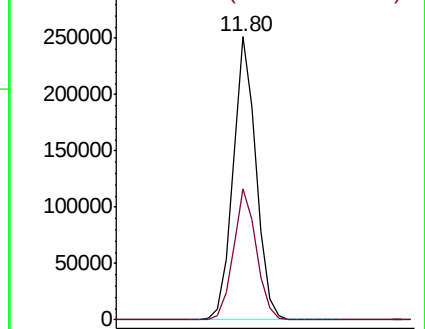
105 100

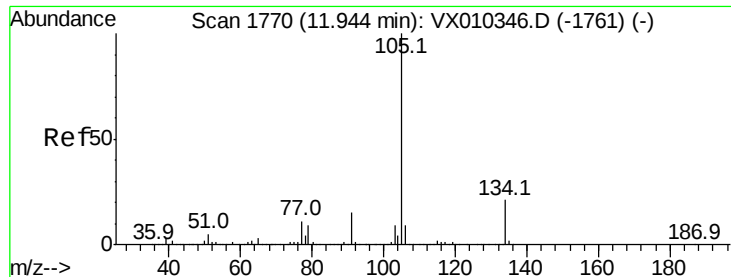
120 46.4 23.1 69.2



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#85

sec-Butylbenzene

Concen: 1.131 ug/l

RT: 11.94 min Scan# 1770

Delta R.T. 0.00 min

Lab File: VX010845.D

Acq: 12 Jul 2019 18:46

Instrument :

MSVOA_X

ClientSampleId :

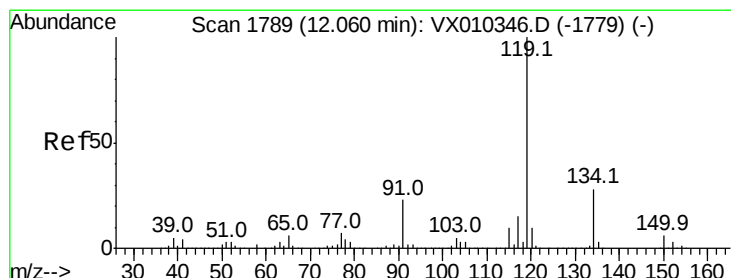
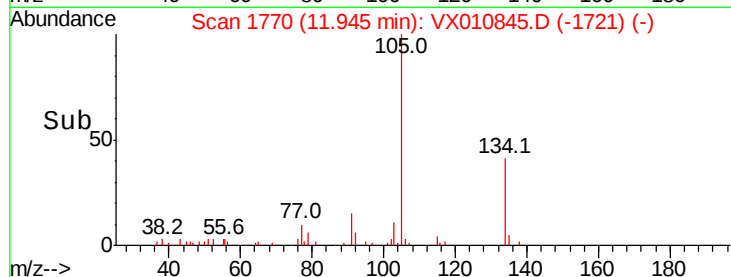
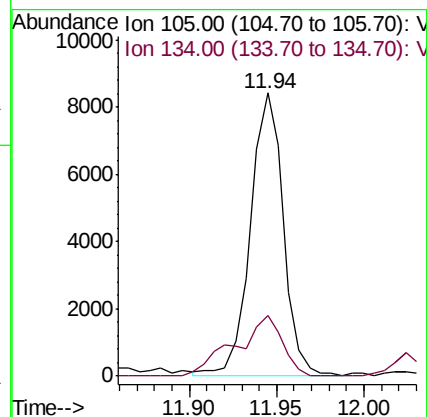
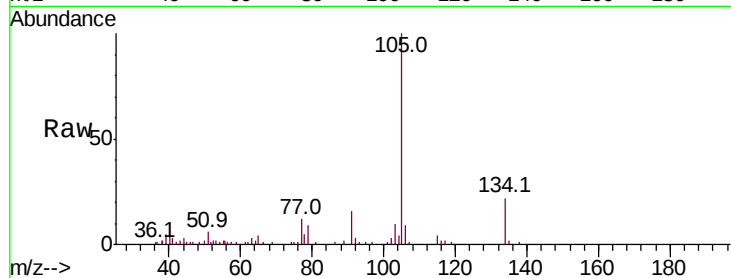
FL-0591

Tot Ion:105 Resp: 11068

Ion Ratio Lower Upper

105 100

134 30.5 10.7 31.9



#86

p-Isopropyltoluene

Concen: 0.922 ug/l

RT: 12.06 min Scan# 1789

Delta R.T. 0.00 min

Lab File: VX010845.D

Acq: 12 Jul 2019 18:46

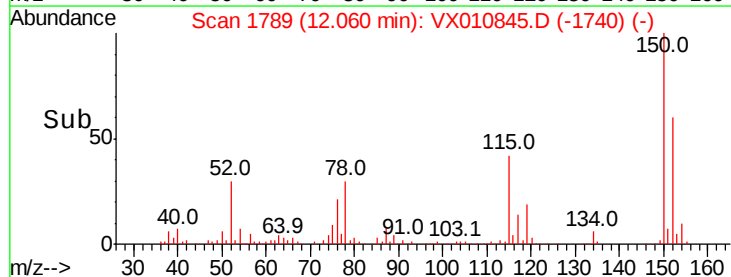
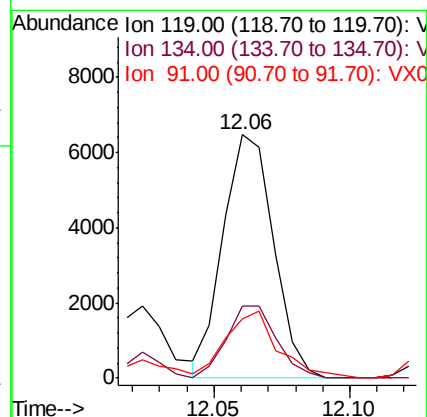
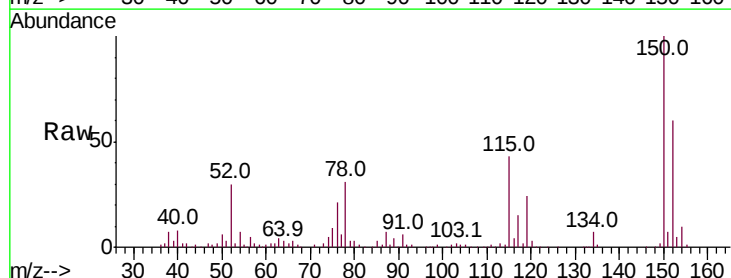
Tgt Ion:119 Resp: 8341

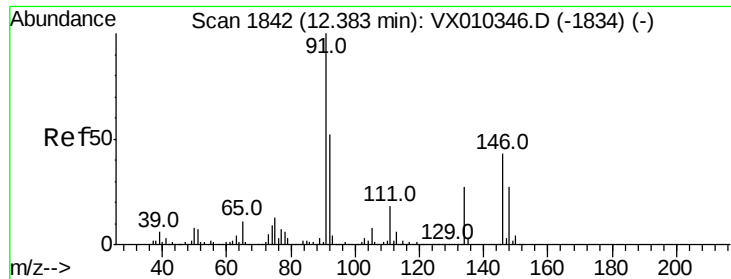
Ion Ratio Lower Upper

119 100

134 29.7 13.7 41.1

91 28.6 11.3 33.8

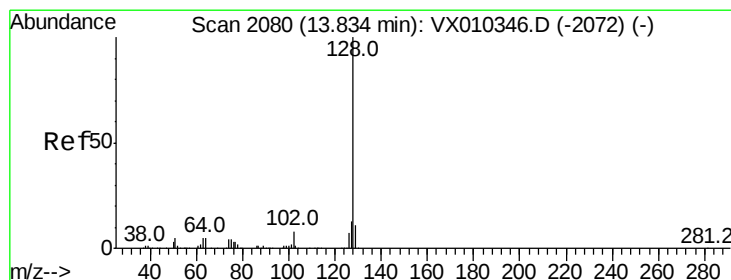
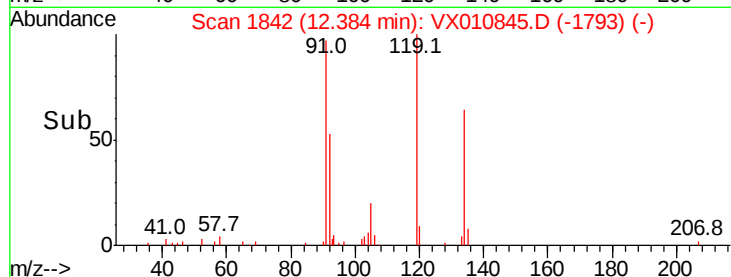
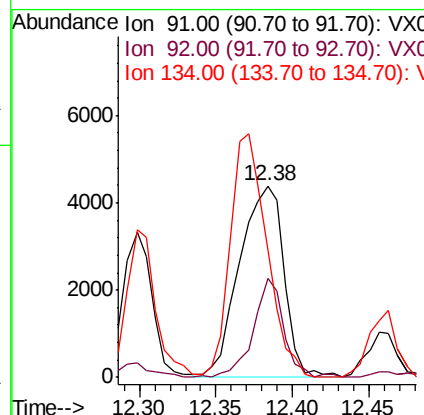
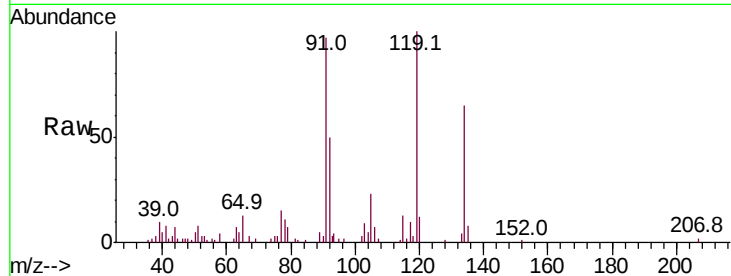




#89
n-Butylbenzene
Concen: 1.154 ug/l
RT: 12.38 min Scan# 1842
Delta R.T. 0.00 min
Lab File: VX010845.D
Acq: 12 Jul 2019 18:46

Instrument :
MSVOA_X
ClientSampleId :
FL-0591

Tot Ion: 91 Resp: 8869
Ion Ratio Lower Upper
91 100
92 35.5 26.2 78.5
134 104.3 14.1 42.4#



#95
Naphthalene
Concen: 1.214 ug/l
RT: 13.83 min Scan# 2080
Delta R.T. 0.00 min
Lab File: VX010845.D
Acq: 12 Jul 2019 18:46

Tgt Ion: 128 Resp: 12614
Ion Ratio Lower Upper
128 100
127 14.4 10.2 15.4
129 14.4 8.9 13.3#

