

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX071119\
 Data File : VX010819.D
 Acq On : 11 Jul 2019 19:53
 Operator : JC/SP
 Sample : K3749-06
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 27 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 MW-3

Quant Time: Jul 12 09:41:39 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	228373	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	359422	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	334403	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	169246	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	115686	54.03	ug/l	0.00
Spiked Amount			Recovery	=	108.06%	
35) Dibromofluoromethane	5.50	113	108955	49.55	ug/l	0.00
Spiked Amount			Recovery	=	99.10%	
50) Toluene-d8	8.71	98	440315	52.34	ug/l	0.00
Spiked Amount			Recovery	=	104.68%	
62) 4-Bromofluorobenzene	11.13	95	166056	54.67	ug/l	0.00
Spiked Amount			Recovery	=	109.34%	

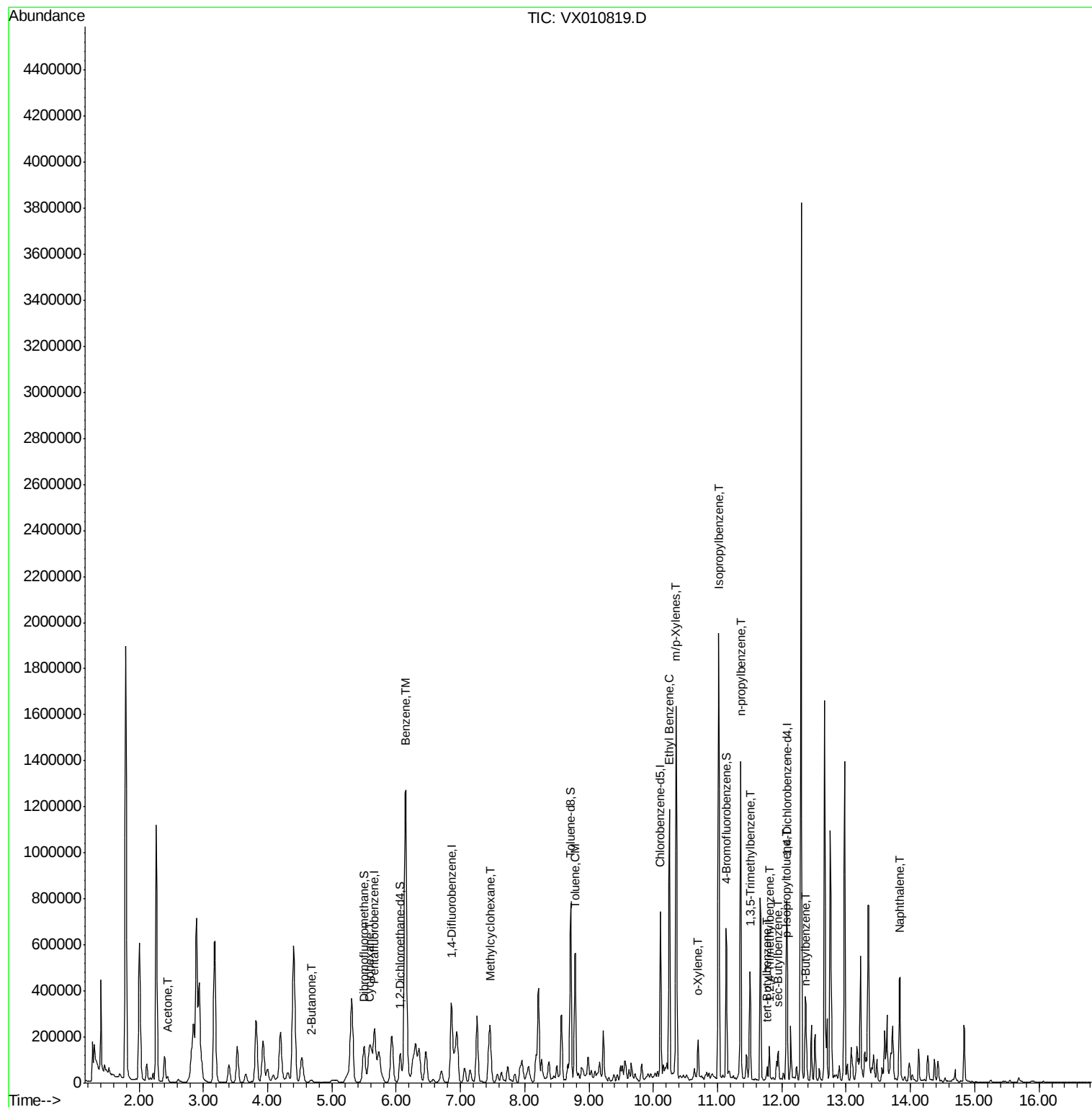
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
16) Acetone	2.44	43	24468	22.801	ug/l	91
25) 2-Butanone	4.68	43	13769	8.747	ug/l	99
31) Cyclohexane	5.58	56	113813	36.798	ug/l #	92
39) Methylcyclohexane	7.46	83	105298	28.047	ug/l	91
40) Benzene	6.15	78	1565987	175.987	ug/l	99
52) Toluene	8.78	92	208660	35.608	ug/l	100
67) Ethyl Benzene	10.25	91	667607	58.249	ug/l	99
68) m/p-Xylenes	10.36	106	401098	90.317	ug/l	98
69) o-Xylene	10.70	106	38251	8.758	ug/l	99
73) Isopropylbenzene	11.02	105	985739	85.920	ug/l	98
78) n-propylbenzene	11.36	91	845401	67.047	ug/l	98
80) 1,3,5-Trimethylbenzene	11.51	105	201179	21.271	ug/l	100
83) tert-Butylbenzene	11.77	119	20291	2.138	ug/l	89
84) 1,2,4-Trimethylbenzene	11.80	105	60556	6.373	ug/l	99
85) sec-Butylbenzene	11.94	105	60987	5.472	ug/l	97
86) p-Isopropyltoluene	12.06	119	13989	1.357	ug/l #	78
89) n-Butylbenzene	12.38	91	78818	8.997	ug/l #	52
95) Naphthalene	13.83	128	291038	24.572	ug/l	98

(#) = 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: VX010819.D

Acq: 11 Jul 2019 19:53

Instrument :

MSVOA_X

ClientSampleId :

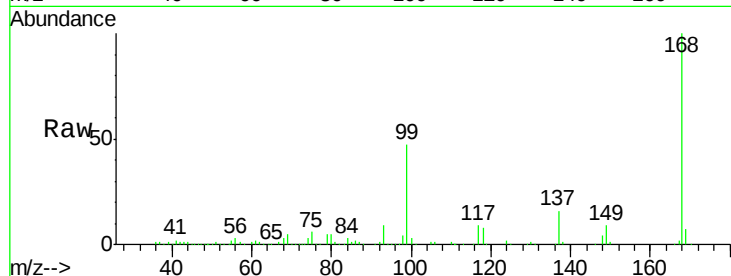
MW-3

Tot Ion:168 Resp: 228373

Ion Ratio Lower Upper

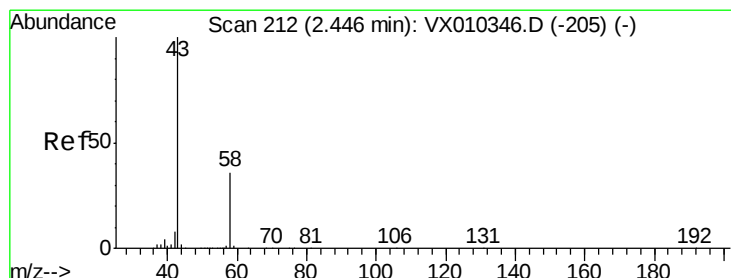
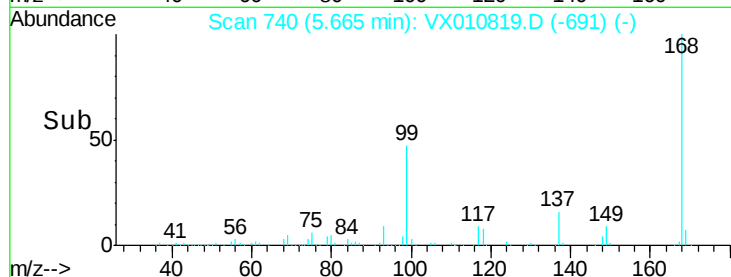
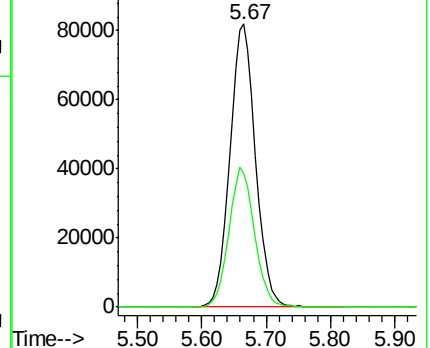
168 100

99 47.3 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: 22.801 ug/l

RT: 2.44 min Scan# 211

Delta R.T. -0.01 min

Lab File: VX010819.D

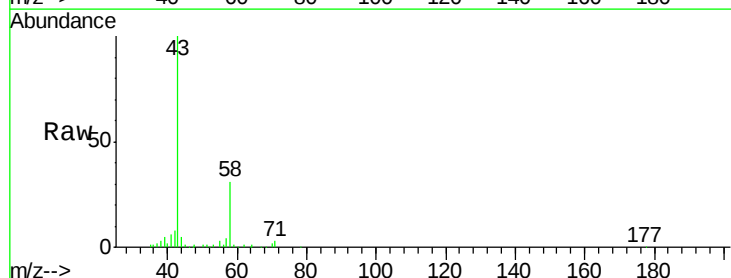
Acq: 11 Jul 2019 19:53

Tgt Ion: 43 Resp: 24468

Ion Ratio Lower Upper

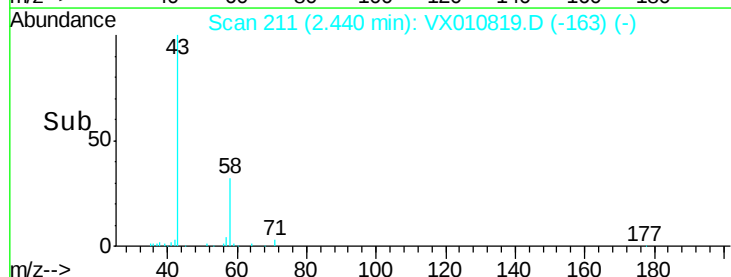
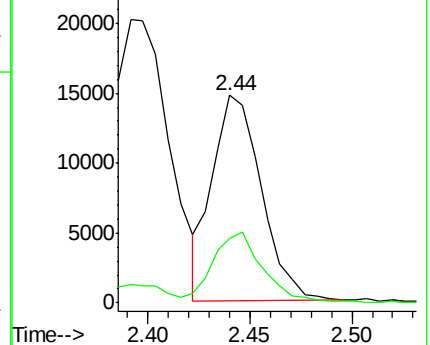
43 100

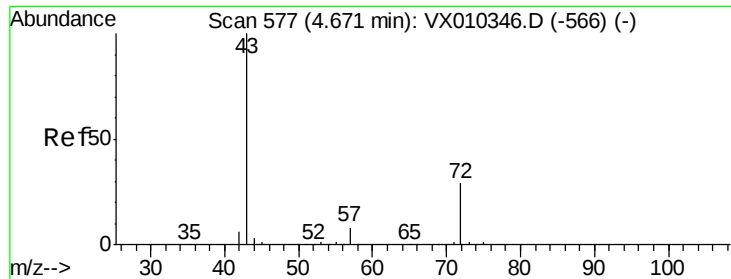
58 31.0 28.9 43.3



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0





#25

2-Butanone

Concen: 8.747 ug/l

RT: 4.68 min Scan# 578

Delta R.T. 0.01 min

Lab File: VX010819.D

Acq: 11 Jul 2019 19:53

Instrument :

MSVOA_X

ClientSampled :

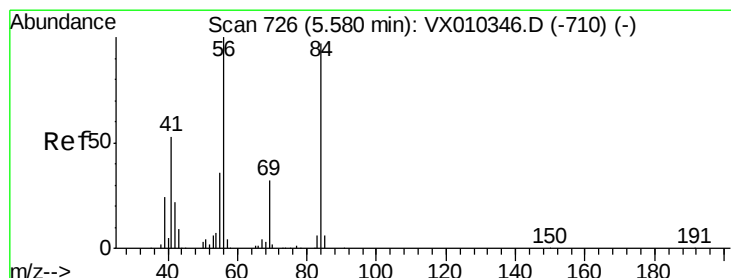
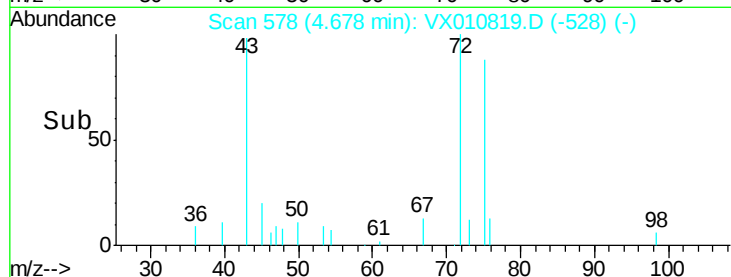
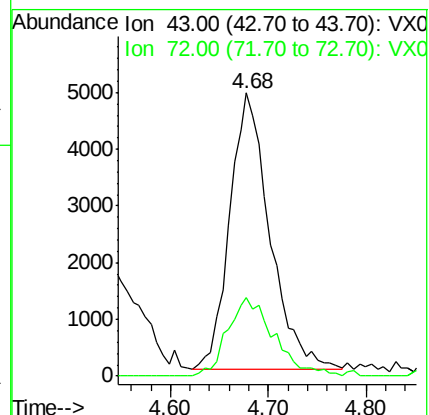
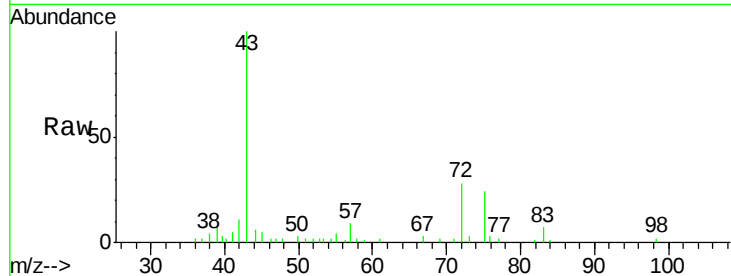
MW-3

Tot Ion: 43 Resp: 13769

Ion Ratio Lower Upper

43 100

72 28.7 23.3 34.9



#31

Cyclohexane

Concen: 36.798 ug/l

RT: 5.58 min Scan# 726

Delta R.T. 0.00 min

Lab File: VX010819.D

Acq: 11 Jul 2019 19:53

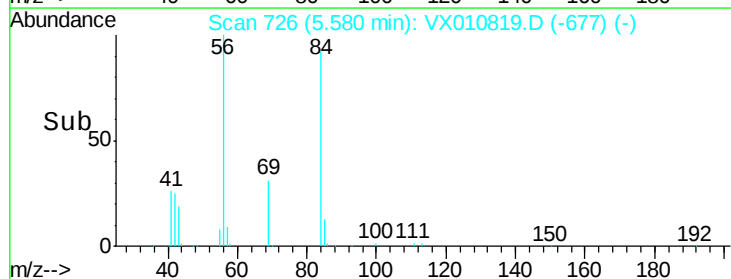
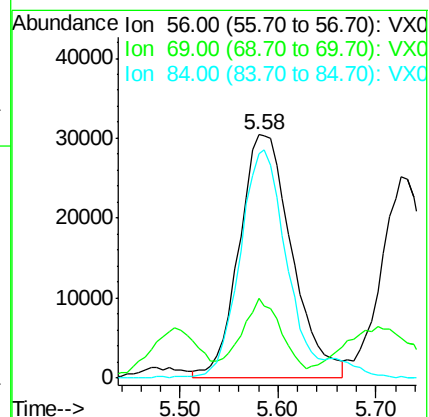
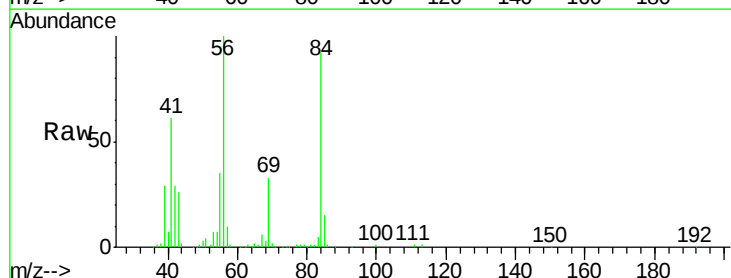
Tgt Ion: 56 Resp: 113813

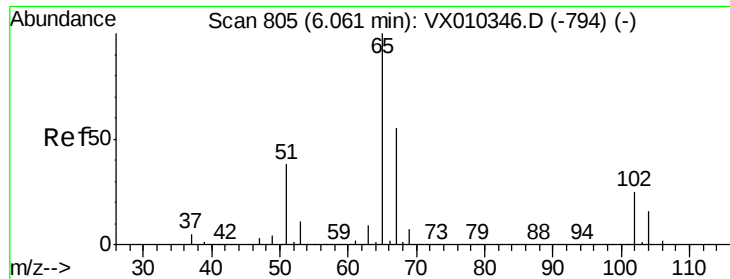
Ion Ratio Lower Upper

56 100

69 20.3 25.9 38.9#

84 94.3 78.0 117.0

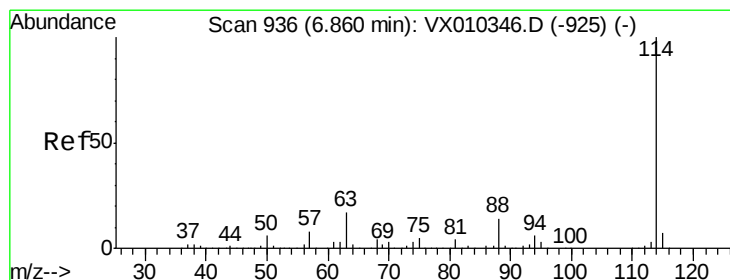
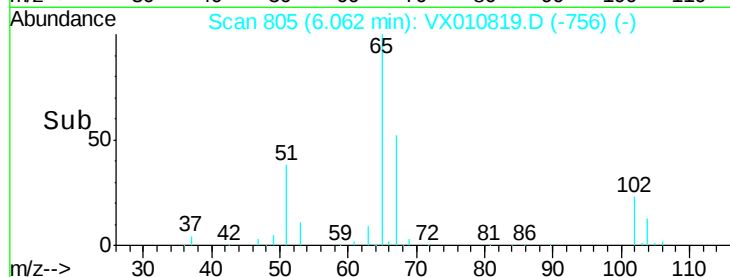
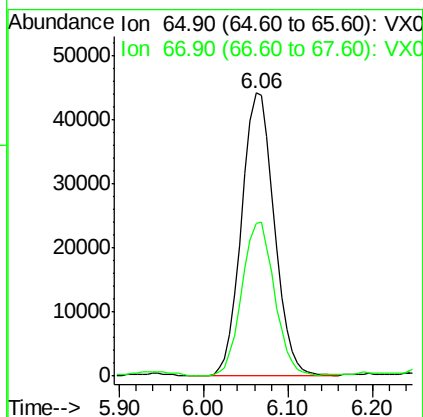
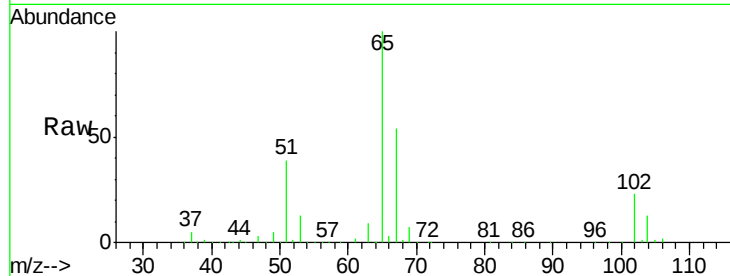




#33
 1,2-Dichloroethane-d4
 Concen: 54.028 ug/l
 RT: 6.06 min Scan# 805
 Delta R.T. 0.00 min
 Lab File: VX010819.D
 Acq: 11 Jul 2019 19:53

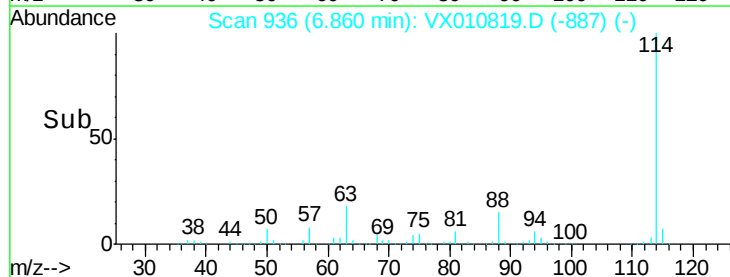
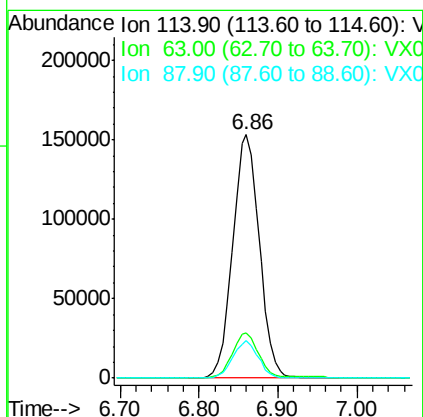
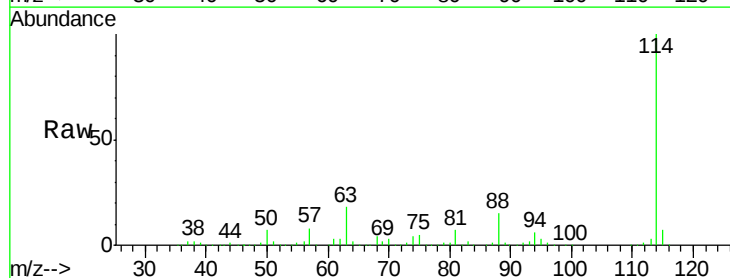
Instrument :
 MSVOA_X
 ClientSampleId :
 MW-3

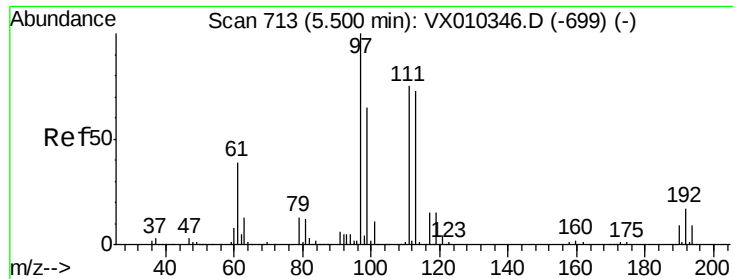
Tot Ion: 65 Resp: 115686
 Ion Ratio Lower Upper
 65 100
 67 53.9 0.0 110.2



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.86 min Scan# 936
 Delta R.T. 0.00 min
 Lab File: VX010819.D
 Acq: 11 Jul 2019 19:53

Tgt Ion: 114 Resp: 359422
 Ion Ratio Lower Upper
 114 100
 63 18.3 0.0 33.8
 88 15.2 0.0 27.6





#35

Dibromofluoromethane

Concen: 49.546 ug/l

RT: 5.50 min Scan# 713

Delta R.T. 0.00 min

Lab File: VX010819.D

Acq: 11 Jul 2019 19:53

Instrument :

MSVOA_X

ClientSampled :

MW-3

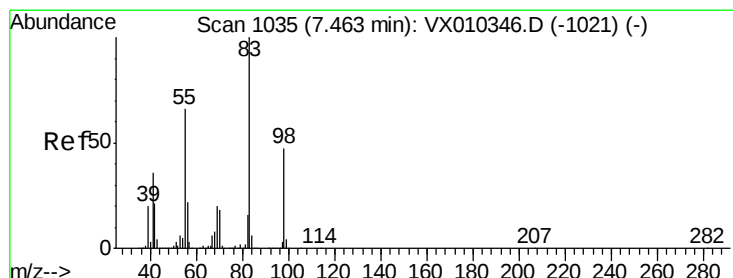
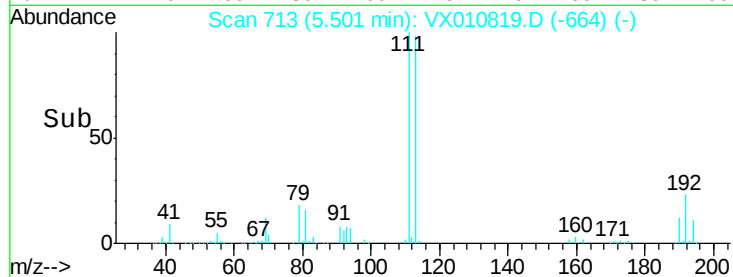
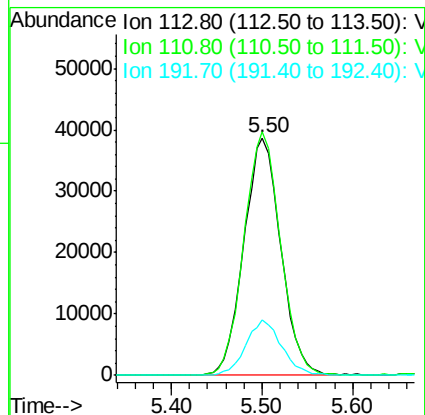
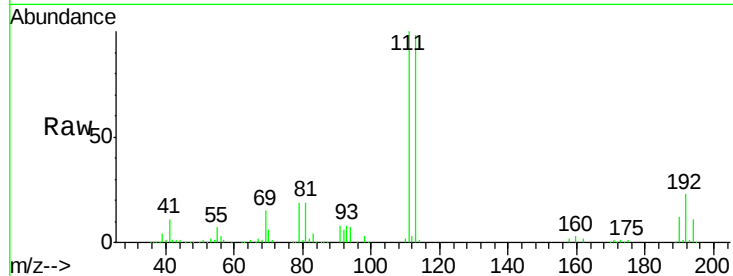
Tot Ion:113 Resp: 108955

Ion Ratio Lower Upper

113 100

111 101.7 81.2 121.8

192 22.7 18.6 27.8



#39

Methylcyclohexane

Concen: 28.047 ug/l

RT: 7.46 min Scan# 1035

Delta R.T. 0.00 min

Lab File: VX010819.D

Acq: 11 Jul 2019 19:53

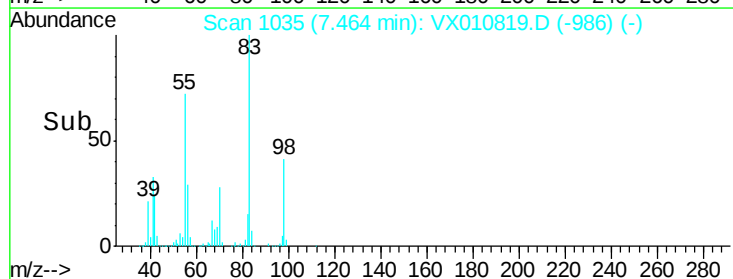
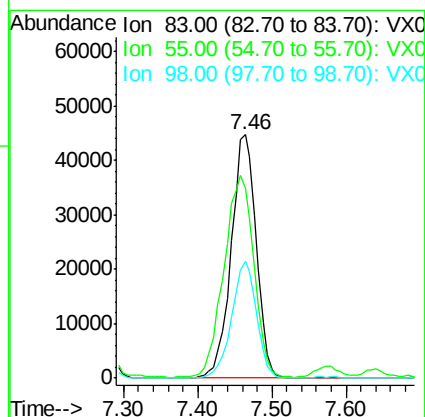
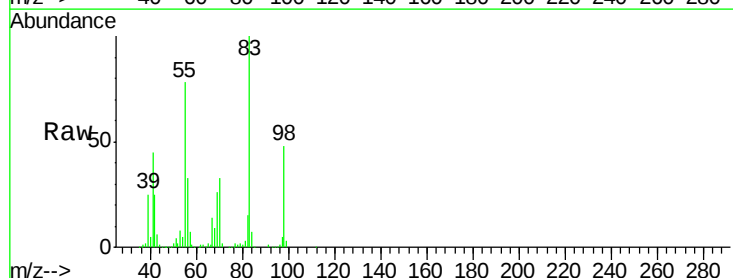
Tgt Ion: 83 Resp: 105298

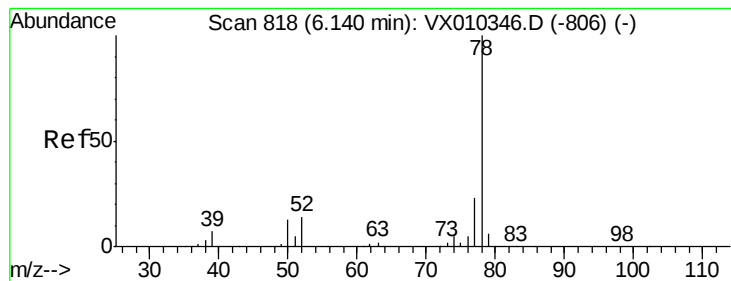
Ion Ratio Lower Upper

83 100

55 77.7 53.0 79.6

98 47.8 37.8 56.8





#40

Benzene

Concen: 175.987 ug/l

RT: 6.15 min Scan# 819

Delta R.T. 0.01 min

Lab File: VX010819.D

Acq: 11 Jul 2019 19:53

Instrument :

MSVOA_X

ClientSampleId :

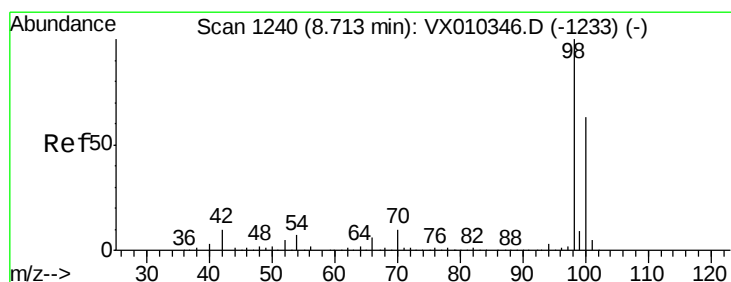
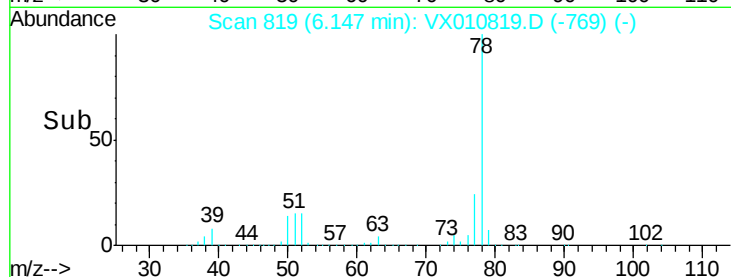
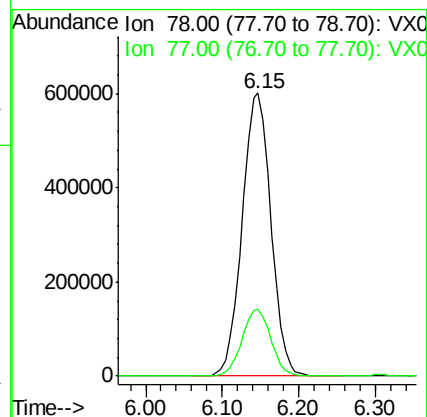
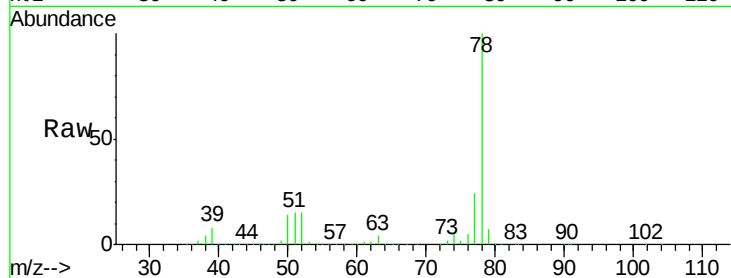
MW-3

Tot Ion: 78 Resp: 1565987

Ion Ratio Lower Upper

78 100

77 23.6 18.6 28.0



#50

Toluene-d8

Concen: 52.336 ug/l

RT: 8.71 min Scan# 1240

Delta R.T. 0.00 min

Lab File: VX010819.D

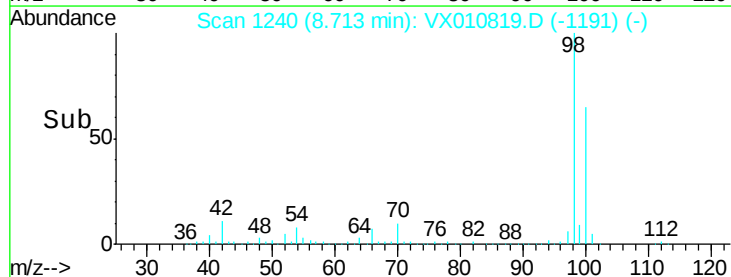
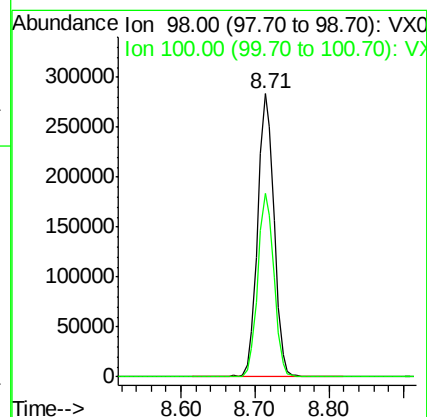
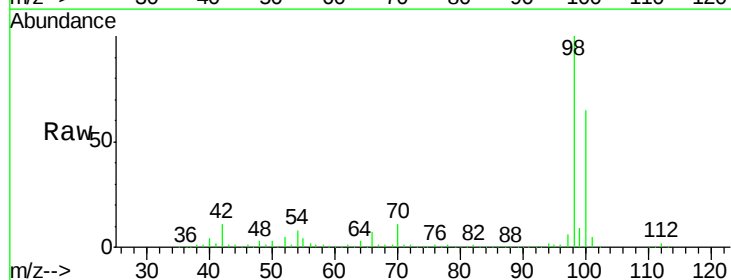
Acq: 11 Jul 2019 19:53

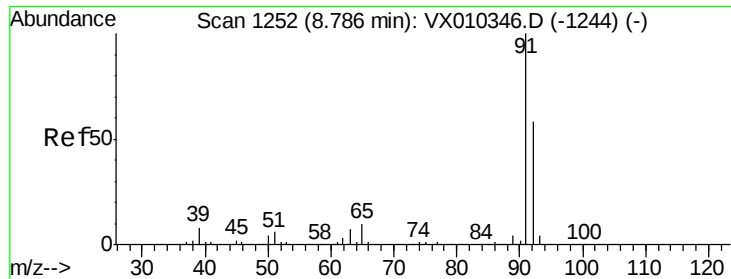
Tgt Ion: 98 Resp: 440315

Ion Ratio Lower Upper

98 100

100 64.0 51.6 77.4





#52

Toluene

Concen: 35.608 ug/l

RT: 8.78 min Scan# 1251

Delta R.T. -0.01 min

Lab File: VX010819.D

Acq: 11 Jul 2019 19:53

Instrument :

MSVOA_X

ClientSampled :

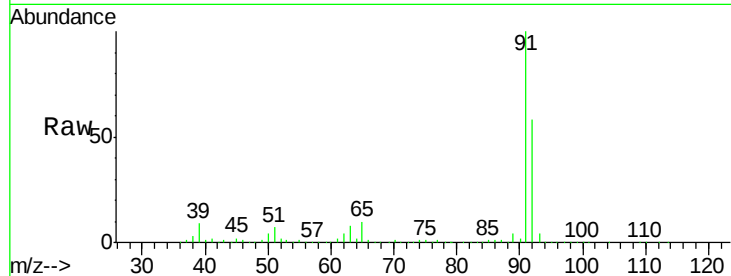
MW-3

Tot Ion: 92 Resp: 208660

Ion Ratio Lower Upper

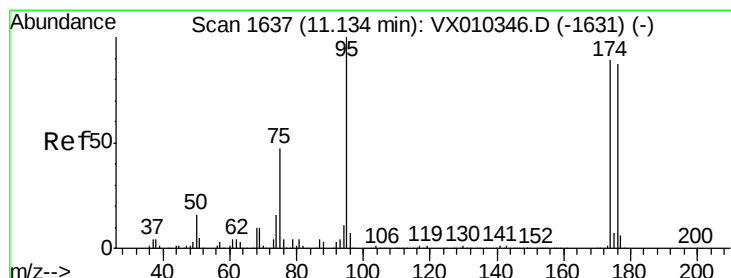
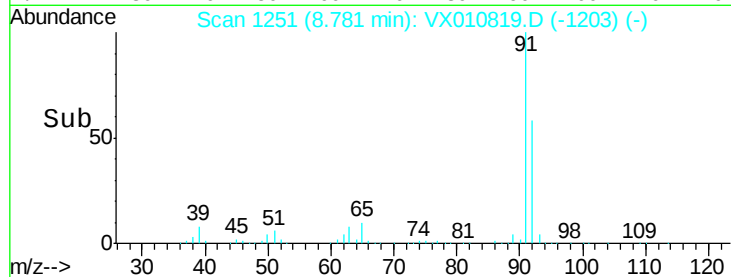
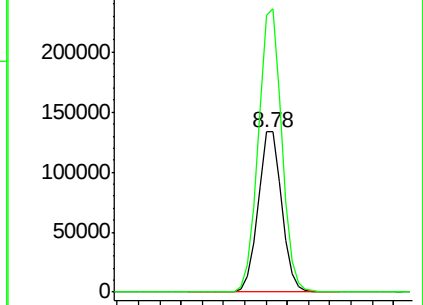
92 100

91 174.4 139.8 209.6



Abundance Ion 92.00 (91.70 to 92.70): VX0

Ion 91.00 (90.70 to 91.70): VX0



#62

4-Bromofluorobenzene

Concen: 54.670 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. 0.00 min

Lab File: VX010819.D

Acq: 11 Jul 2019 19:53

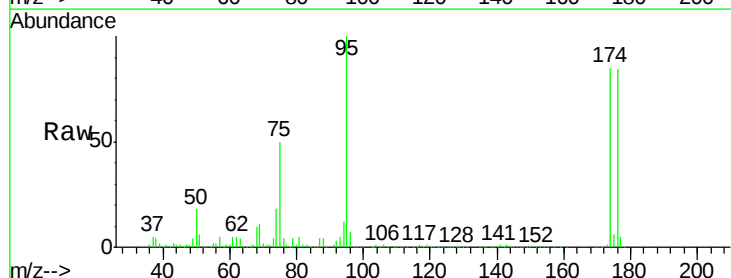
Tgt Ion: 95 Resp: 166056

Ion Ratio Lower Upper

95 100

174 87.0 0.0 187.6

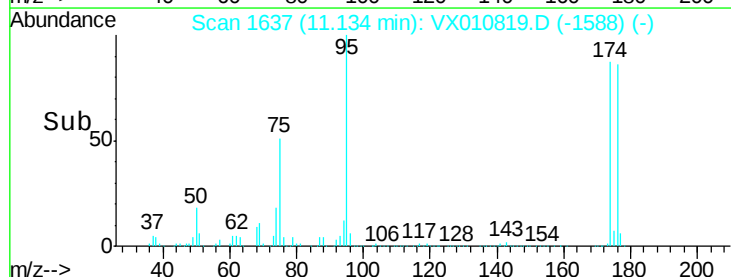
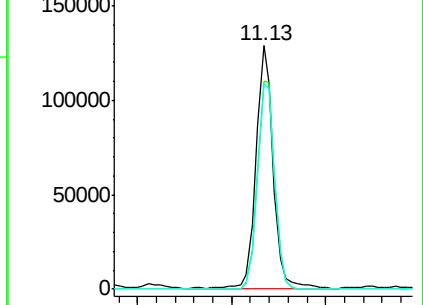
176 84.8 0.0 184.0

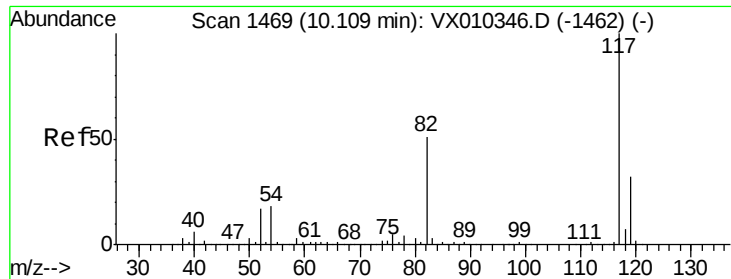


Abundance Ion 94.90 (94.60 to 95.60): VX0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

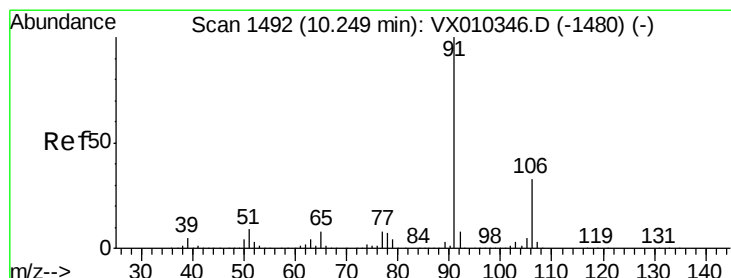
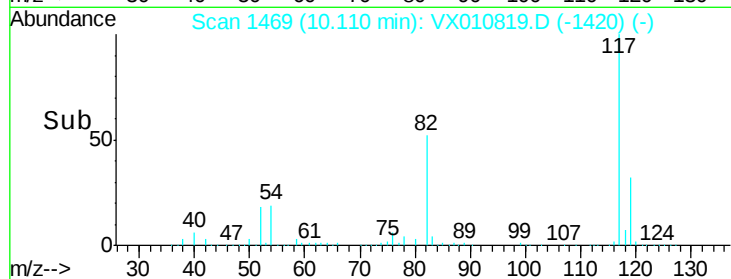
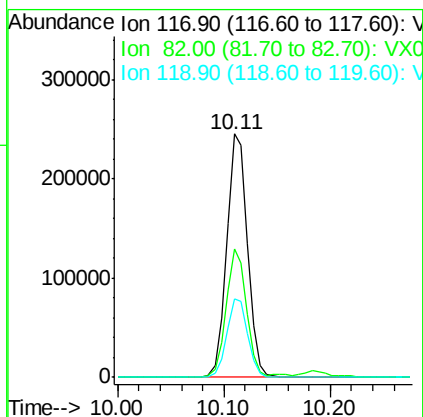
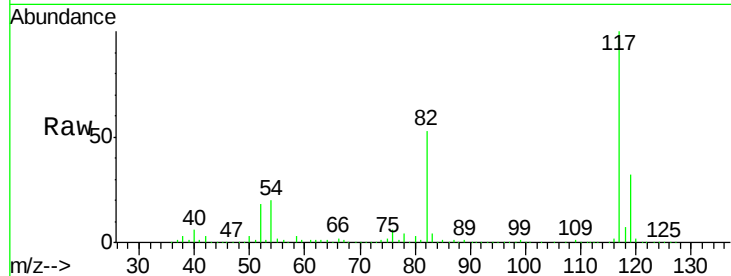




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.11 min Scan# 1469
Delta R.T. 0.00 min
Lab File: VX010819.D
Acq: 11 Jul 2019 19:53

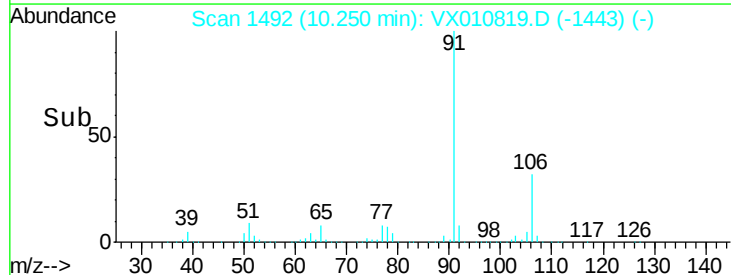
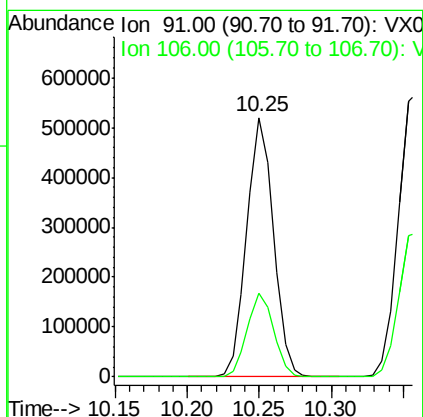
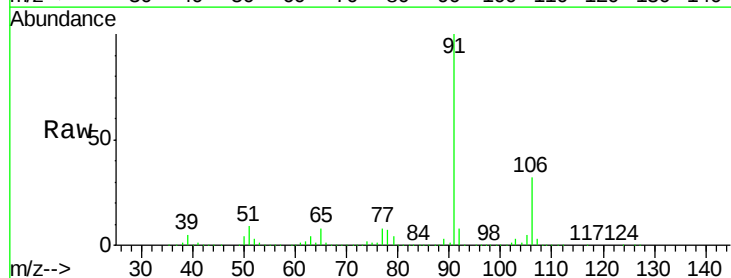
Instrument :
MSVOA_X
ClientSampleId :
MW-3

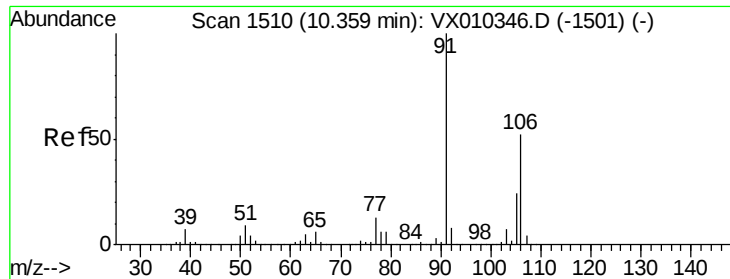
Tot Ion:117 Resp: 334403
Ion Ratio Lower Upper
117 100
82 52.4 41.2 61.8
119 32.5 25.5 38.3



#67
Ethyl Benzene
Concen: 58.249 ug/l
RT: 10.25 min Scan# 1492
Delta R.T. 0.00 min
Lab File: VX010819.D
Acq: 11 Jul 2019 19:53

Tgt Ion: 91 Resp: 667607
Ion Ratio Lower Upper
91 100
106 32.3 26.2 39.2

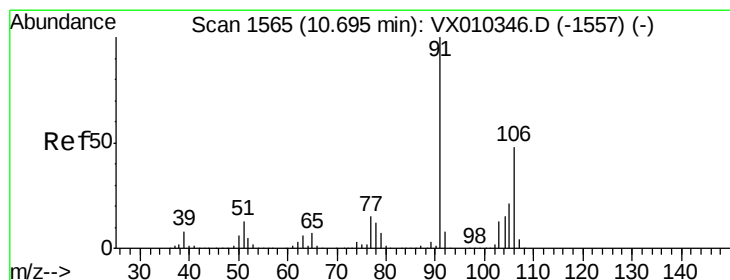
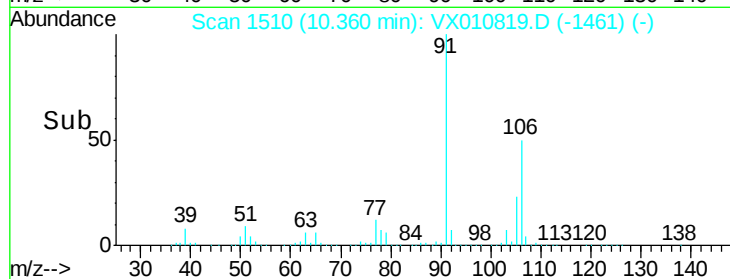
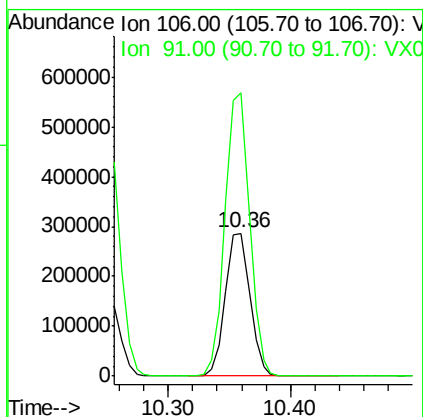
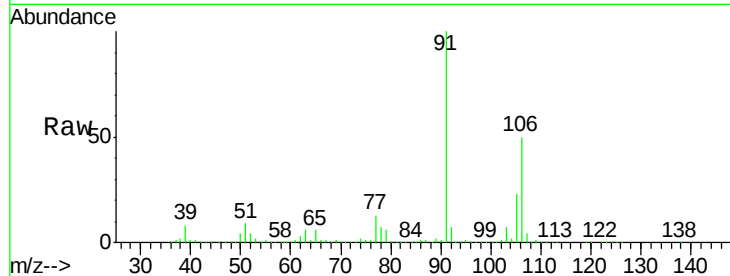




#68
m/p-Xylenes
Concen: 90.317 ug/l
RT: 10.36 min Scan# 1510
Delta R.T. 0.00 min
Lab File: VX010819.D
Acq: 11 Jul 2019 19:53

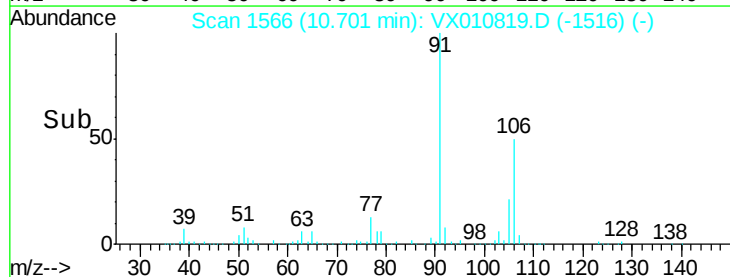
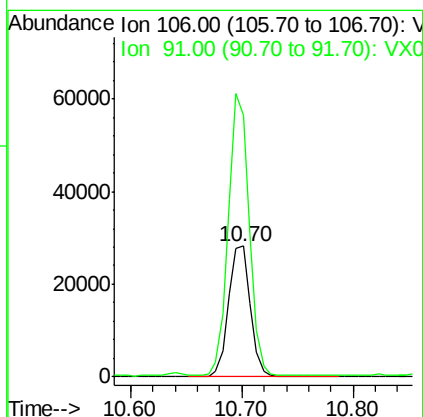
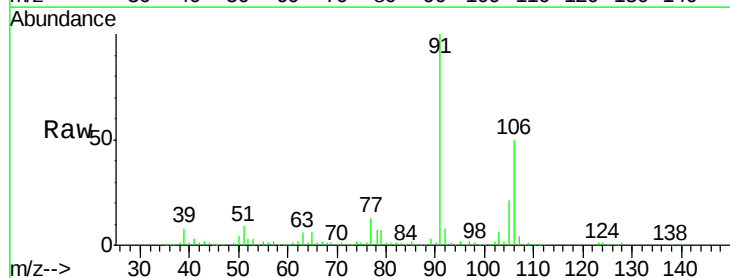
Instrument :
MSVOA_X
ClientSampled :
MW-3

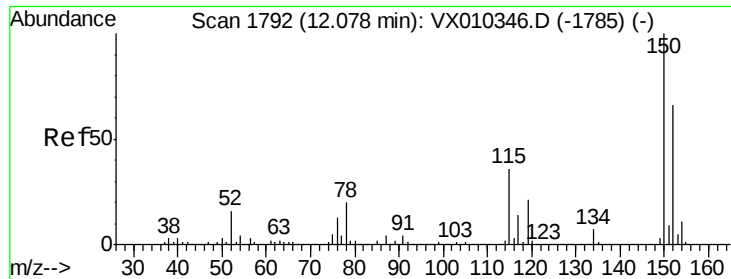
Tot Ion:106 Resp: 401098
Ion Ratio Lower Upper
106 100
91 197.1 155.3 232.9



#69
o-Xylene
Concen: 8.758 ug/l
RT: 10.70 min Scan# 1566
Delta R.T. 0.01 min
Lab File: VX010819.D
Acq: 11 Jul 2019 19:53

Tgt Ion:106 Resp: 38251
Ion Ratio Lower Upper
106 100
91 206.8 102.7 308.1





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.08 min Scan# 1792

Delta R.T. 0.00 min

Lab File: VX010819.D

Acq: 11 Jul 2019 19:53

Instrument :

MSVOA_X

ClientSampleId :

MW-3

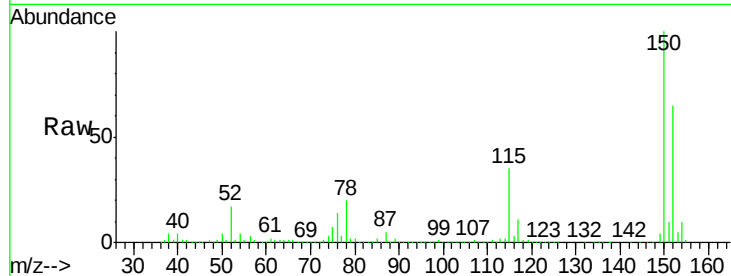
Tot Ion:152 Resp: 169246

Ion Ratio Lower Upper

152 100

115 56.3 38.6 115.7

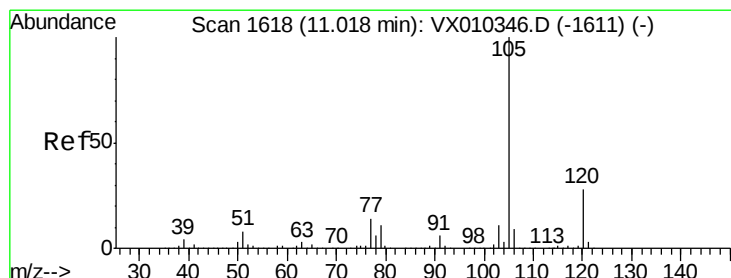
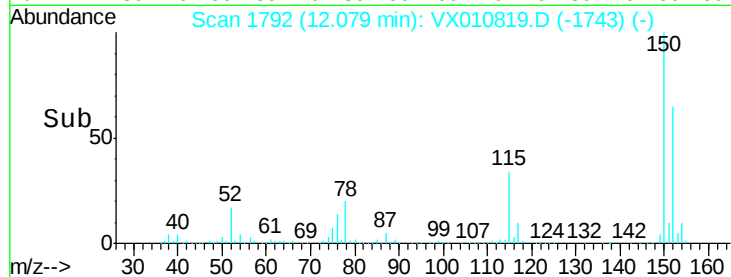
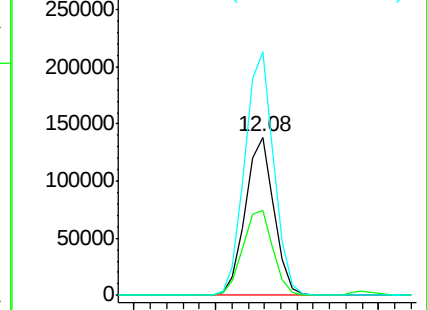
150 156.4 0.0 347.4



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: 85.920 ug/l

RT: 11.02 min Scan# 1618

Delta R.T. 0.00 min

Lab File: VX010819.D

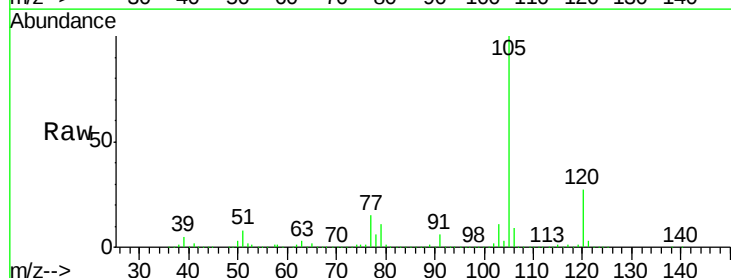
Acq: 11 Jul 2019 19:53

Tgt Ion:105 Resp: 985739

Ion Ratio Lower Upper

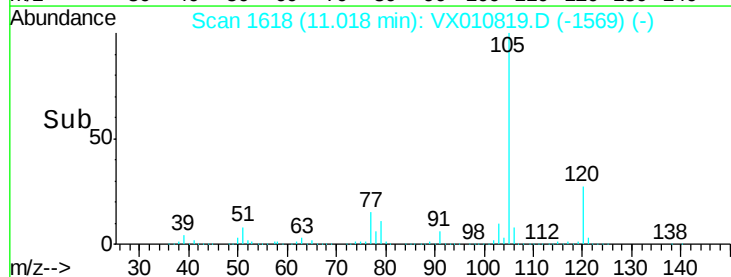
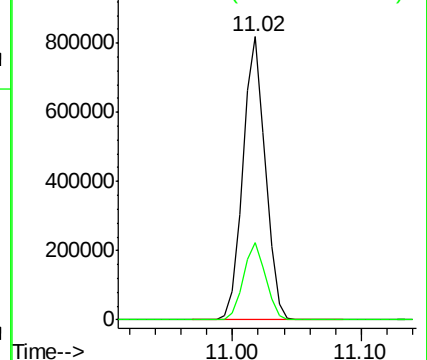
105 100

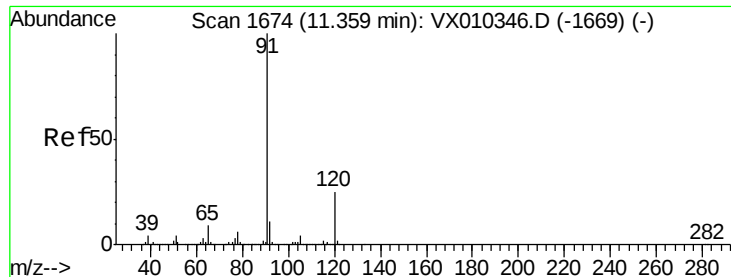
120 27.2 14.1 42.4



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#78

n-propylbenzene

Concen: 67.047 ug/l

RT: 11.36 min Scan# 1674

Delta R.T. 0.00 min

Lab File: VX010819.D

Acq: 11 Jul 2019 19:53

Instrument :

MSVOA_X

ClientSampled :

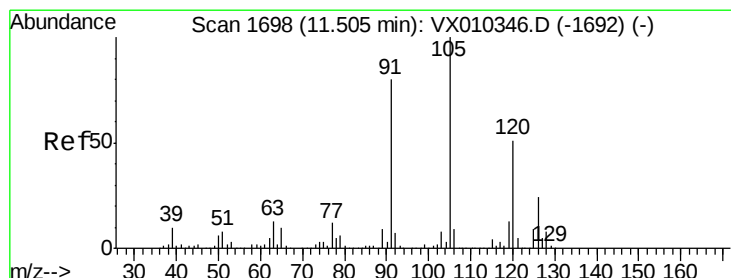
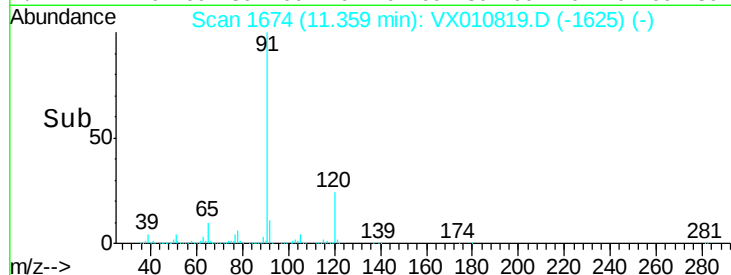
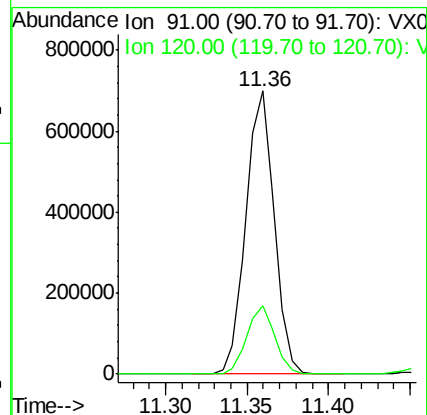
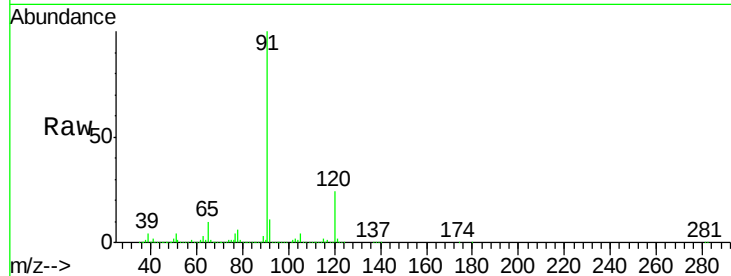
MW-3

Tot Ion: 91 Resp: 845401

Ion Ratio Lower Upper

91 100

120 24.0 12.4 37.4



#80

1,3,5-Trimethylbenzene

Concen: 21.271 ug/l

RT: 11.51 min Scan# 1698

Delta R.T. 0.00 min

Lab File: VX010819.D

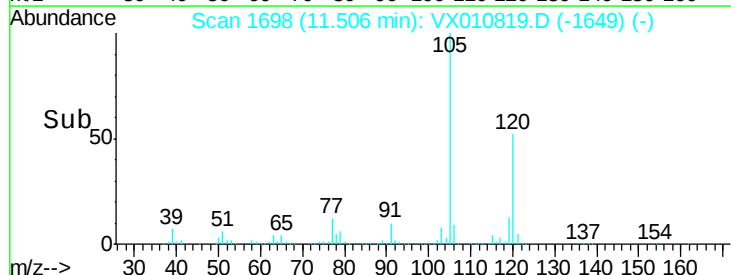
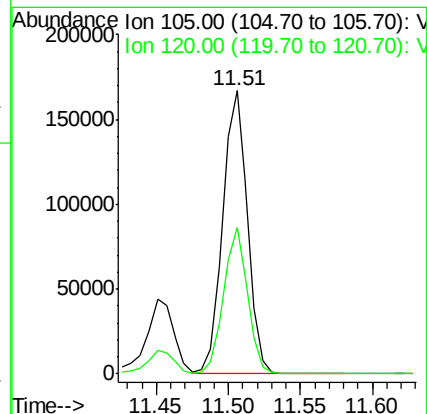
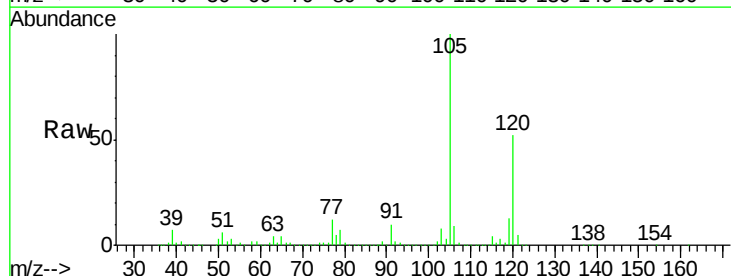
Acq: 11 Jul 2019 19:53

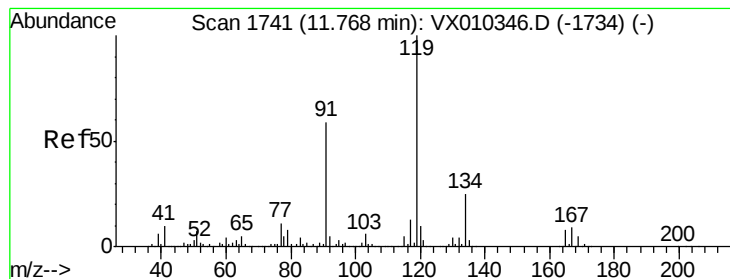
Tgt Ion: 105 Resp: 201179

Ion Ratio Lower Upper

105 100

120 50.2 25.2 75.6





#83

tert-Butylbenzene

Concen: 2.138 ug/l

RT: 11.77 min Scan# 1741

Delta R.T. 0.00 min

Lab File: VX010819.D

Acq: 11 Jul 2019 19:53

Instrument :

MSVOA_X

ClientSampled :

MW-3

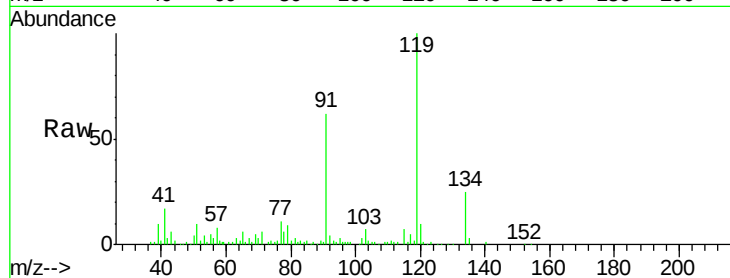
Tot Ion:119 Resp: 20291

Ion Ratio Lower Upper

119 100

91 64.2 27.6 82.7

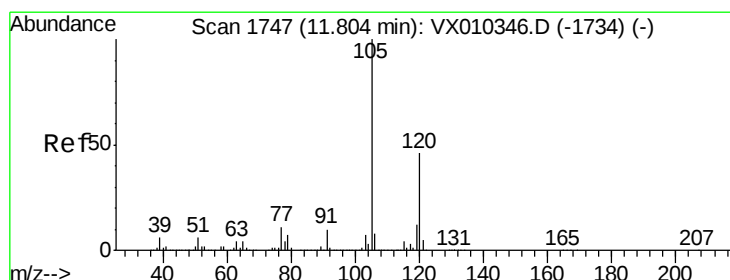
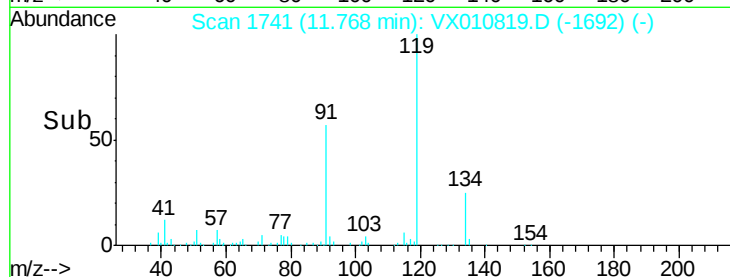
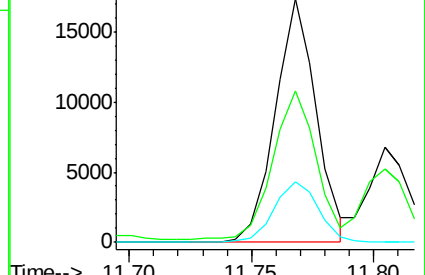
134 26.9 11.8 35.4



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: 6.373 ug/l

RT: 11.80 min Scan# 1747

Delta R.T. 0.00 min

Lab File: VX010819.D

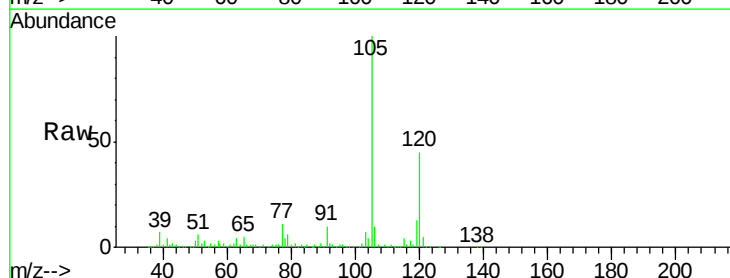
Acq: 11 Jul 2019 19:53

Tgt Ion:105 Resp: 60556

Ion Ratio Lower Upper

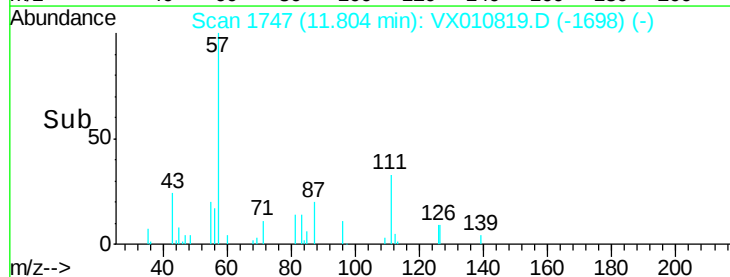
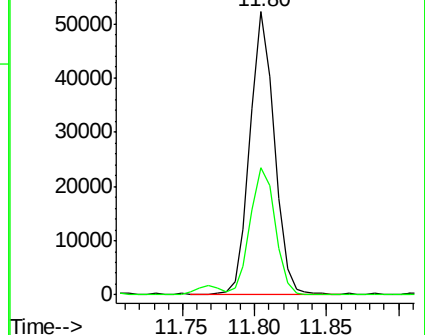
105 100

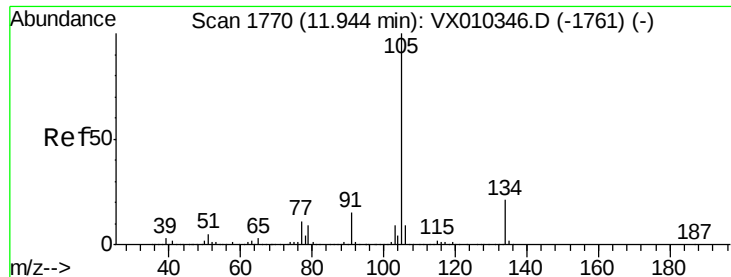
120 46.5 23.1 69.2



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#85

sec-Butylbenzene

Concen: 5.472 ug/l

RT: 11.94 min Scan# 1770

Delta R.T. 0.00 min

Lab File: VX010819.D

Acq: 11 Jul 2019 19:53

Instrument :

MSVOA_X

ClientSampled :

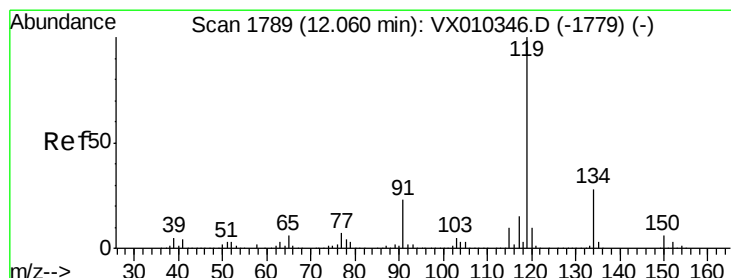
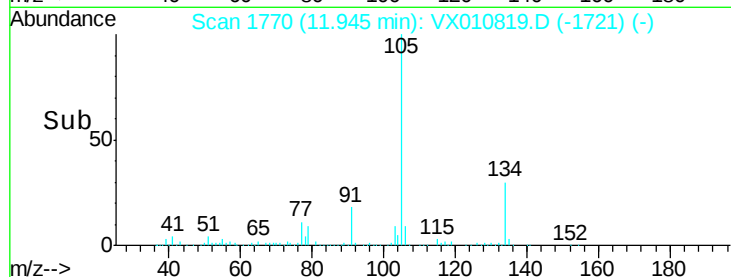
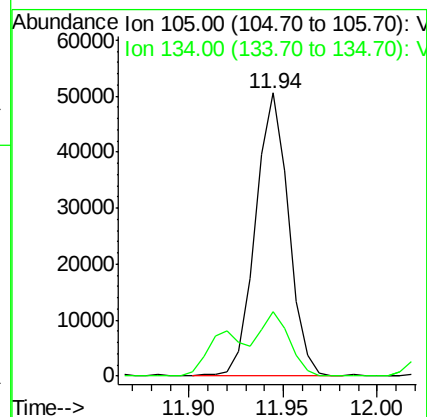
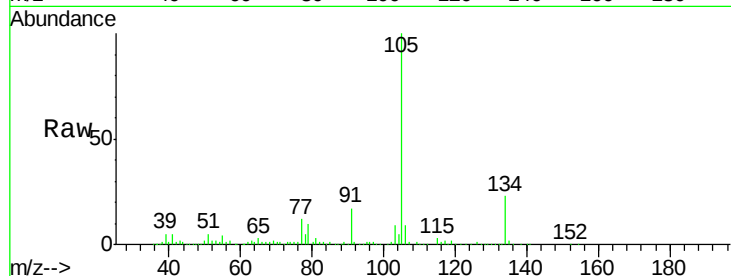
MW-3

Tot Ion:105 Resp: 60987

Ion Ratio Lower Upper

105 100

134 20.1 10.7 31.9



#86

p-Isopropyltoluene

Concen: 1.357 ug/l

RT: 12.06 min Scan# 1789

Delta R.T. 0.00 min

Lab File: VX010819.D

Acq: 11 Jul 2019 19:53

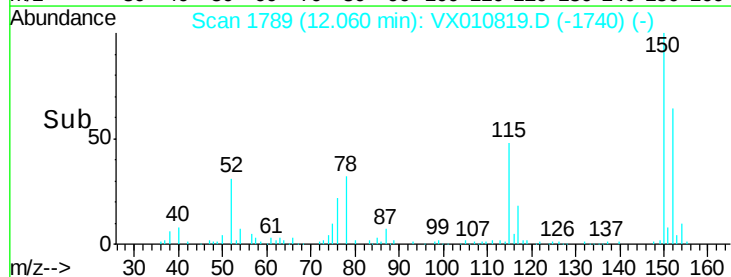
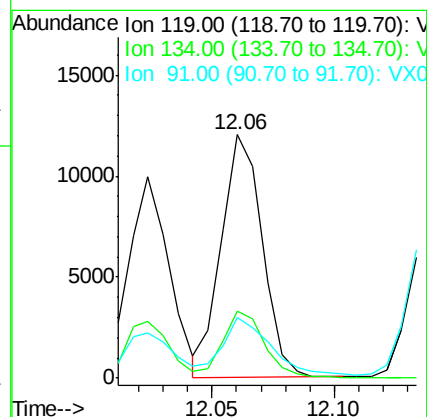
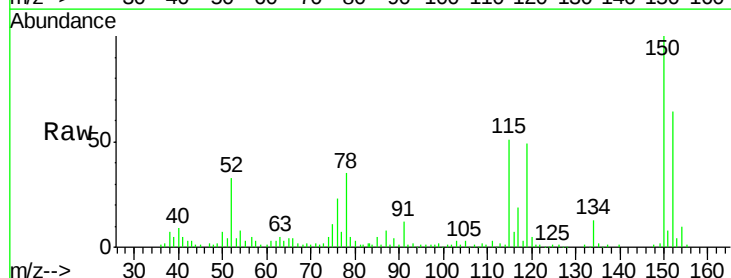
Tgt Ion:119 Resp: 13989

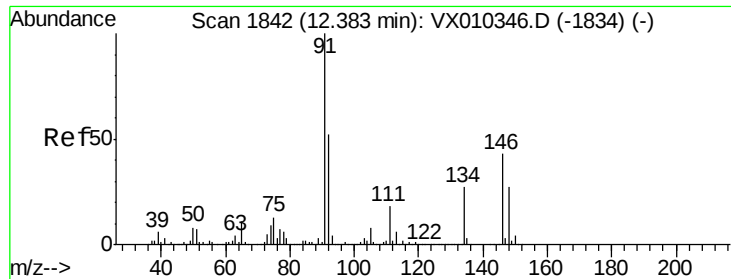
Ion Ratio Lower Upper

119 100

134 28.1 13.7 41.1

91 0.0 11.3 33.8#





#89

n-Butylbenzene

Concen: 8.997 ug/l

RT: 12.38 min Scan# 1842

Delta R.T. 0.00 min

Lab File: VX010819.D

Acq: 11 Jul 2019 19:53

Instrument :

MSVOA_X

ClientSampled :

MW-3

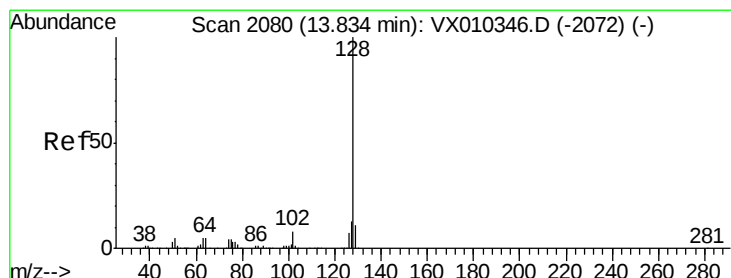
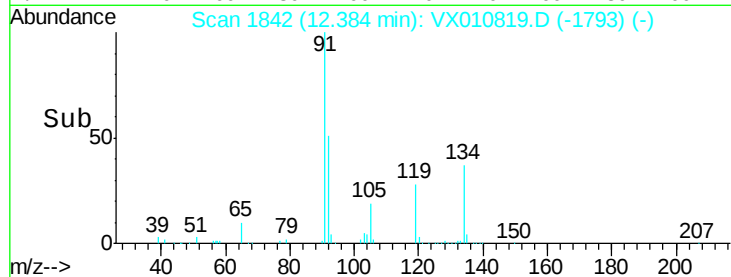
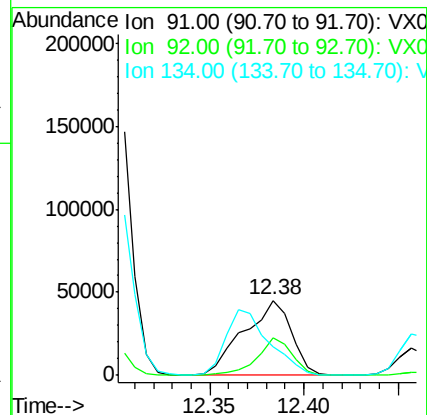
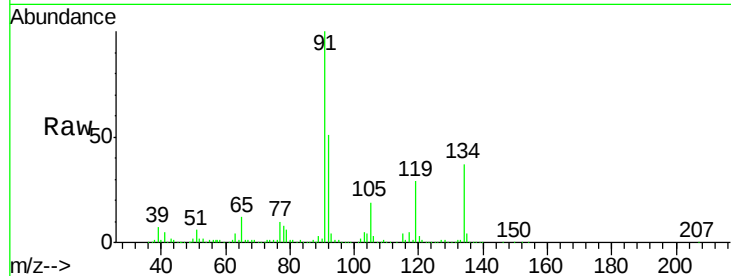
Tot Ion: 91 Resp: 78818

Ion Ratio Lower Upper

91 100

92 37.2 26.2 78.5

134 79.6 14.1 42.4#



#95

Naphthalene

Concen: 24.572 ug/l

RT: 13.83 min Scan# 2080

Delta R.T. 0.00 min

Lab File: VX010819.D

Acq: 11 Jul 2019 19:53

Tgt Ion: 128 Resp: 291038

Ion Ratio Lower Upper

128 100

127 13.4 10.2 15.4

129 11.7 8.9 13.3

