

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX112119\
 Data File : VX013508.D
 Acq On : 21 Nov 2019 17:10
 Operator : JC/SP
 Sample : K5958-03DL 20X
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 MW-3DL

Quant Time: Nov 22 07:59:55 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X103119W.M
 Quant Title : SW846 8260
 QLast Update : Sat Nov 02 07:06:38 2019
 Response via : Initial Calibration

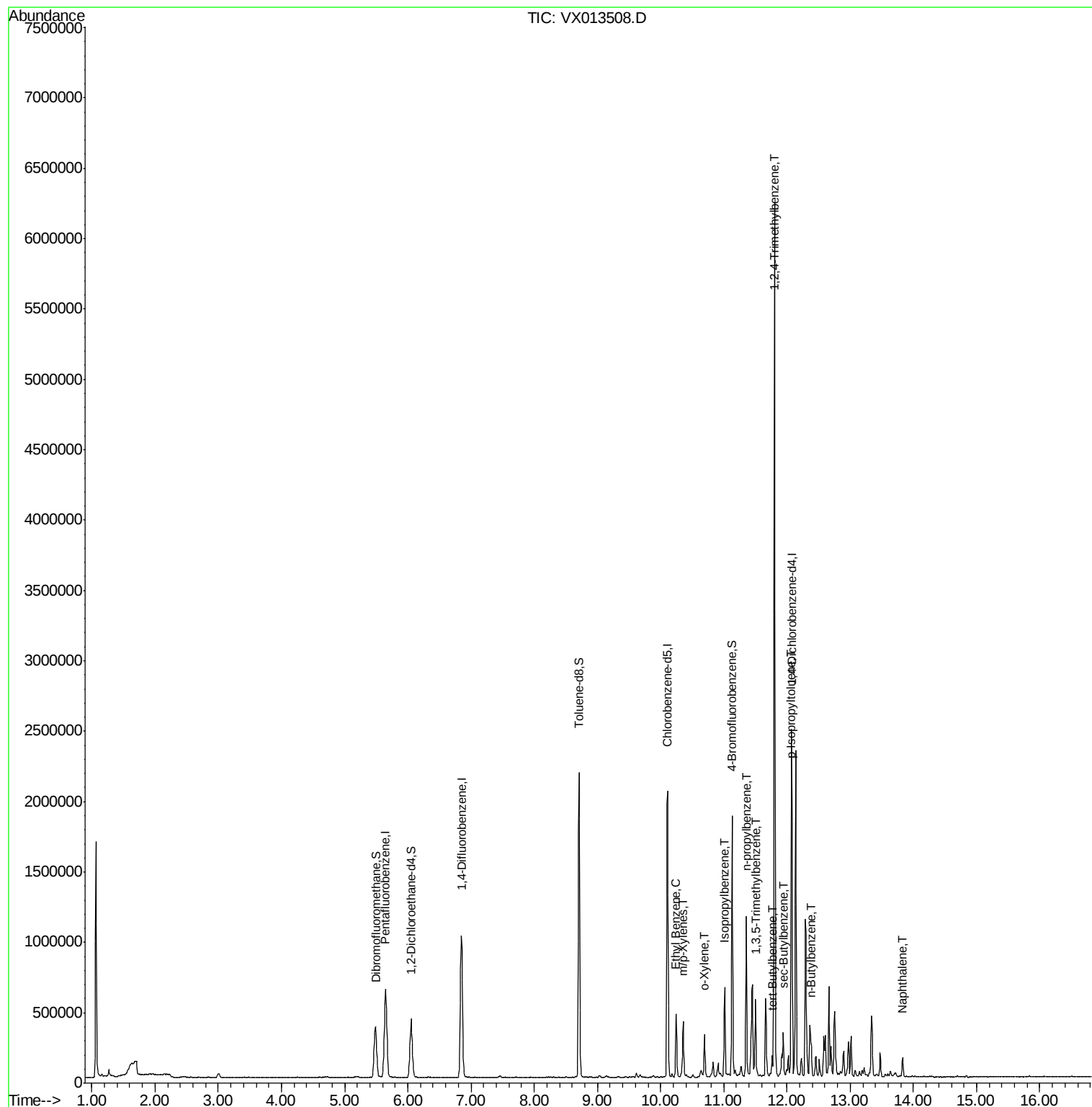
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.65	168	654120	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.85	114	1052538	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	960321	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.07	152	505738	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	6.05	65	382632	49.38	ug/l	0.00
Spiked Amount 50.000			Recovery	=	98.76%	
35) Dibromofluoromethane	5.49	113	317811	48.14	ug/l	0.00
Spiked Amount 50.000			Recovery	=	96.28%	
50) Toluene-d8	8.71	98	1277316	51.32	ug/l	0.00
Spiked Amount 50.000			Recovery	=	102.64%	
62) 4-Bromofluorobenzene	11.14	95	469794	52.30	ug/l	0.00
Spiked Amount 50.000			Recovery	=	104.60%	
Target Compounds						
					Qvalue	
67) Ethyl Benzene	10.25	91	269238	8.024	ug/l	99
68) m/p-Xylenes	10.35	106	90239	7.111	ug/l	99
69) o-Xylene	10.70	106	66038	5.315	ug/l	98
73) Isopropylbenzene	11.01	105	327838	9.777	ug/l	99
78) n-propylbenzene	11.35	91	673302	18.026	ug/l	100
80) 1,3,5-Trimethylbenzene	11.50	105	234841	8.408	ug/l	99
83) tert-Butylbenzene	11.76	119	33446	1.190	ug/l	85
84) 1,2,4-Trimethylbenzene	11.81	105	2766674	98.748	ug/l	97
85) sec-Butylbenzene	11.94	105	160483	4.967	ug/l #	75
86) p-Isopropyltoluene	12.06	119	73277	2.463	ug/l	99
89) n-Butylbenzene	12.38	91	100479	3.870	ug/l #	67
95) Naphthalene	13.83	128	87600	2.513	ug/l	100

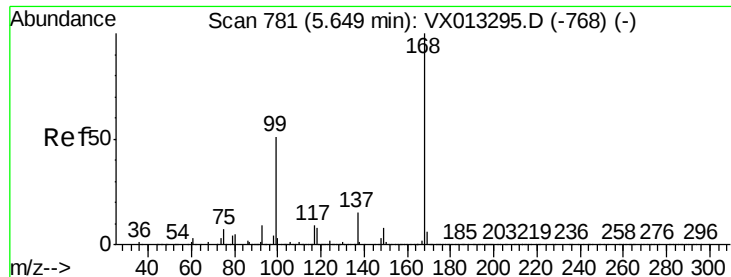
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
QLast Update : Sat Nov 02 07:06:38 2019
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.65 min Scan# 781

Delta R.T. -0.00 min

Lab File: VX013508.D

Acq: 21 Nov 2019 17:10

Instrument :

MSVOA_X

ClientSampled :

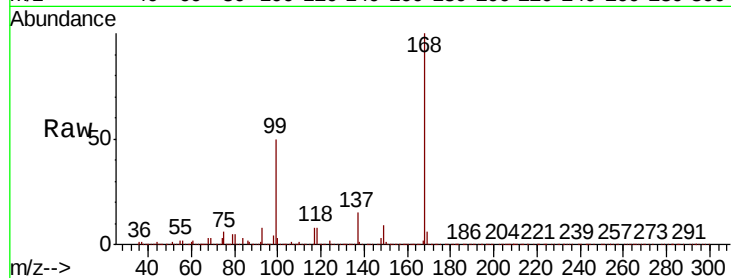
MW-3DL

Tot Ion:168 Resp: 654120

Ion Ratio Lower Upper

168 100

99 49.9 40.8 61.2



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.65

250000

200000

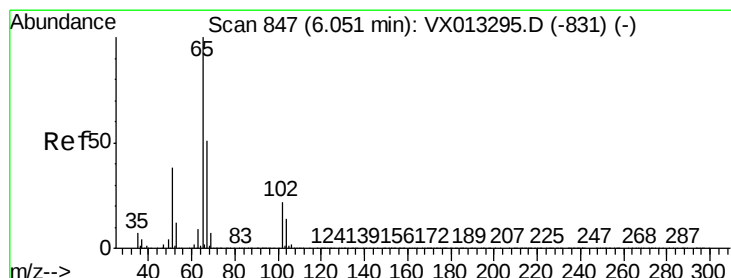
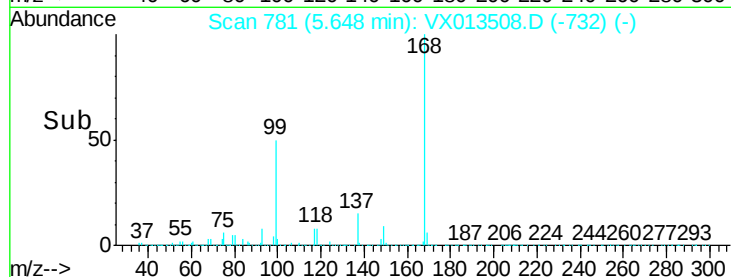
150000

100000

50000

0

Time--> 5.50 5.60 5.70 5.80



#33

1,2-Dichloroethane-d4

Concen: 49.376 ug/l

RT: 6.05 min Scan# 847

Delta R.T. -0.00 min

Lab File: VX013508.D

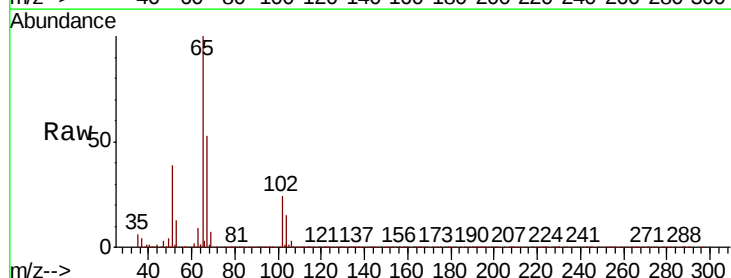
Acq: 21 Nov 2019 17:10

Tgt Ion: 65 Resp: 382632

Ion Ratio Lower Upper

65 100

67 53.1 0.0 104.2



Abundance Ion 64.90 (64.60 to 65.60): VX0

Ion 66.90 (66.60 to 67.60): VX0

6.05

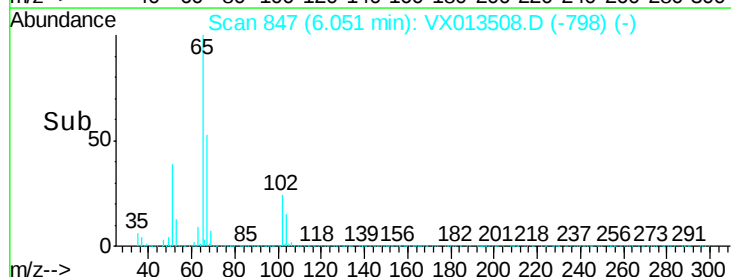
150000

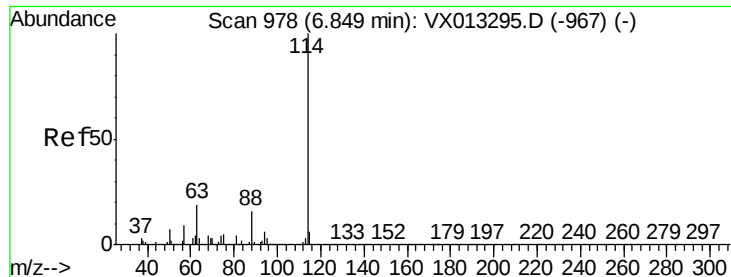
100000

50000

0

Time--> 5.90 6.00 6.10 6.20





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.85 min Scan# 978

Delta R.T. -0.00 min

Lab File: VX013508.D

Acq: 21 Nov 2019 17:10

Instrument :

MSVOA_X

ClientSampleId :

MW-3DL

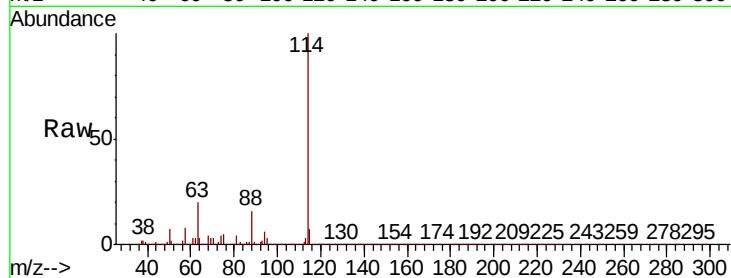
Tot Ion:114 Resp: 1052538

Ion Ratio Lower Upper

114 100

63 19.9 0.0 38.4

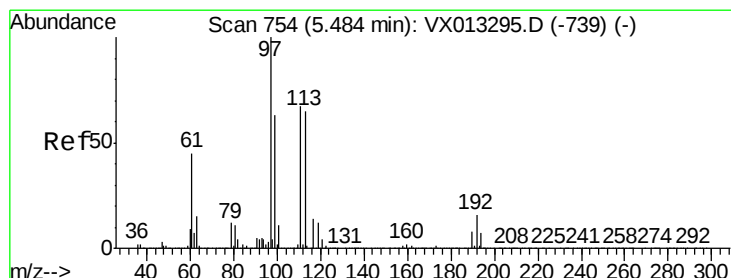
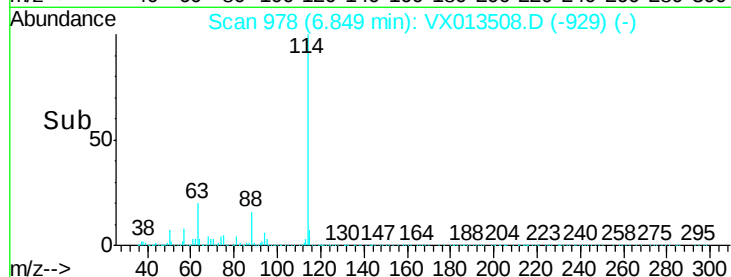
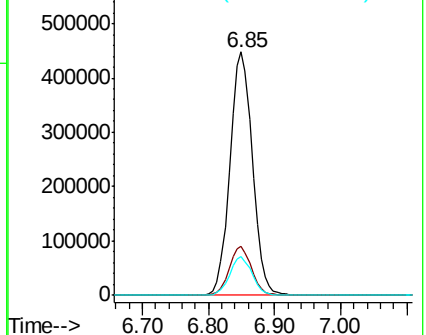
88 15.7 0.0 32.2



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: 48.141 ug/l

RT: 5.49 min Scan# 755

Delta R.T. 0.01 min

Lab File: VX013508.D

Acq: 21 Nov 2019 17:10

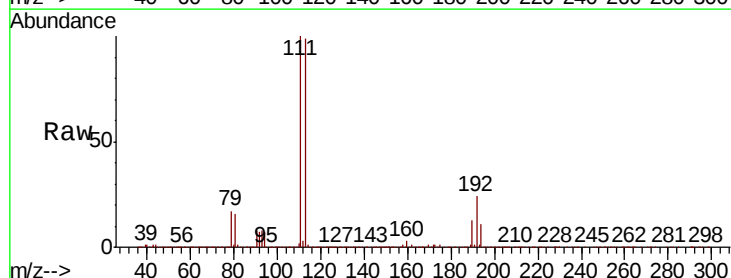
Tgt Ion:113 Resp: 317811

Ion Ratio Lower Upper

113 100

111 100.6 81.9 122.9

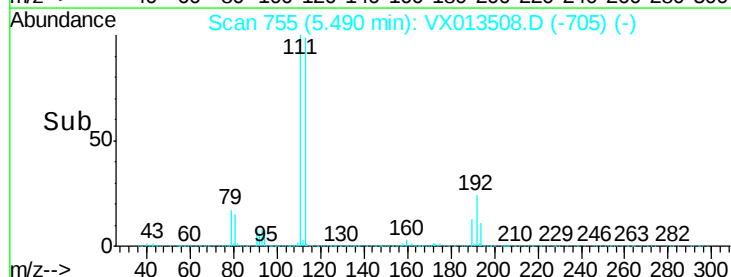
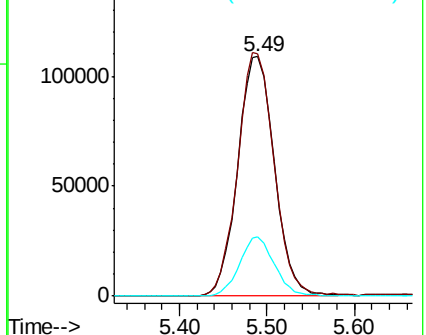
192 23.6 19.1 28.7

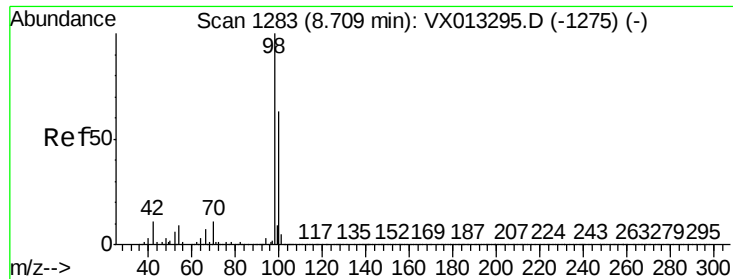


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V





#50

Toluene-d8

Concen: 51.324 ug/l

RT: 8.71 min Scan# 1283

Delta R.T. -0.00 min

Lab File: VX013508.D

Acq: 21 Nov 2019 17:10

Instrument :

MSVOA_X

ClientSampleId :

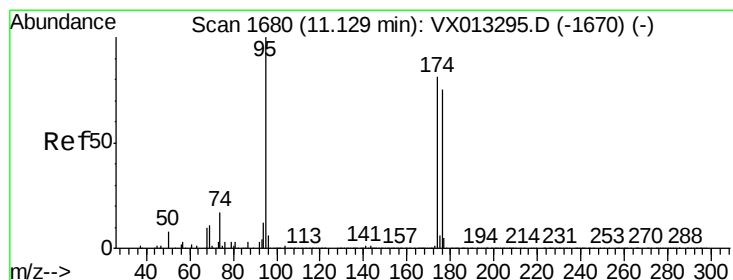
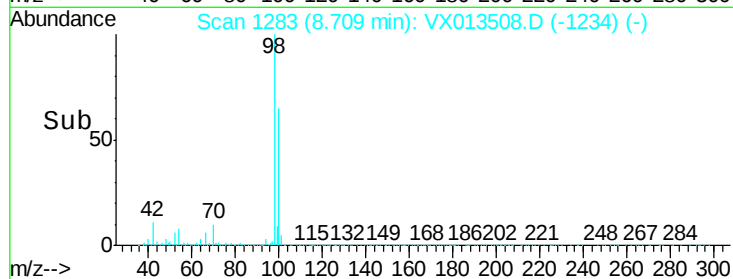
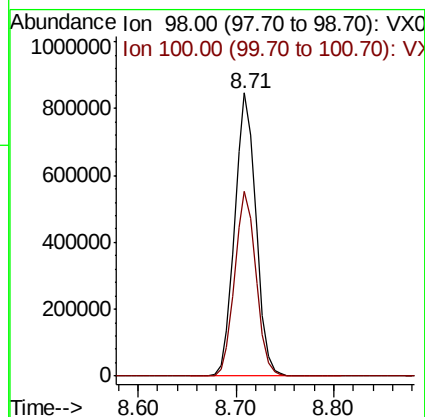
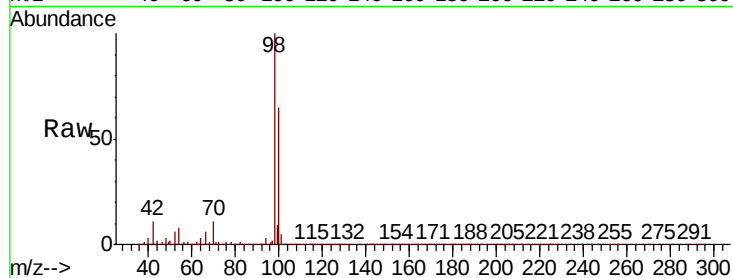
MW-3DL

Tot Ion: 98 Resp: 1277316

Ion Ratio Lower Upper

98 100

100 65.5 52.2 78.2



#62

4-Bromofluorobenzene

Concen: 52.304 ug/l

RT: 11.14 min Scan# 1681

Delta R.T. 0.01 min

Lab File: VX013508.D

Acq: 21 Nov 2019 17:10

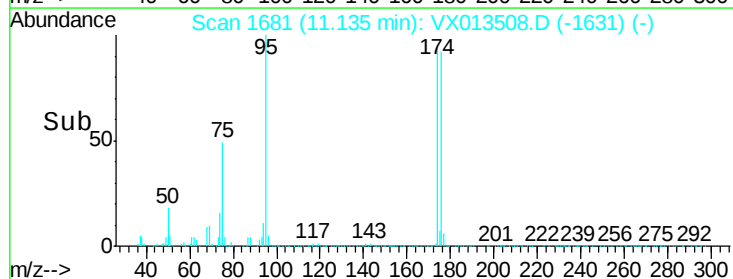
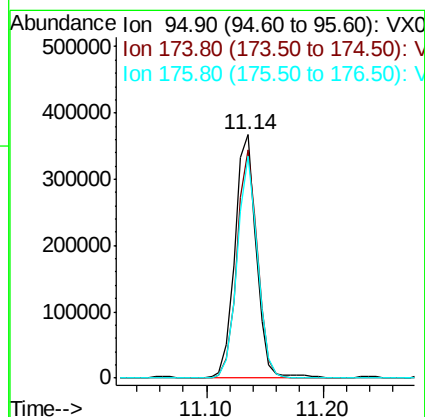
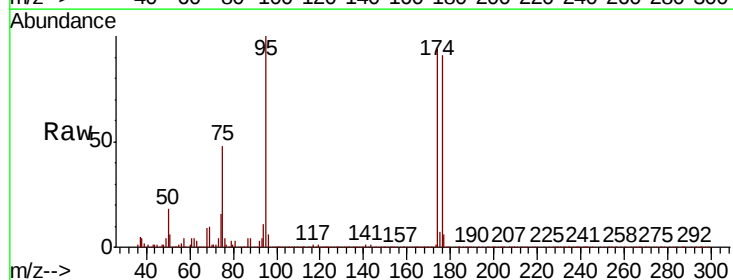
Tgt Ion: 95 Resp: 469794

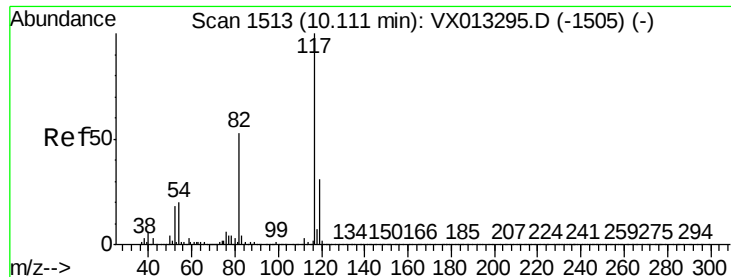
Ion Ratio Lower Upper

95 100

174 90.1 0.0 179.8

176 86.8 0.0 173.0





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 10.11 min Scan# 1513

Delta R.T. -0.00 min

Lab File: VX013508.D

Acq: 21 Nov 2019 17:10

Instrument :

MSVOA_X

ClientSampleId :

MW-3DL

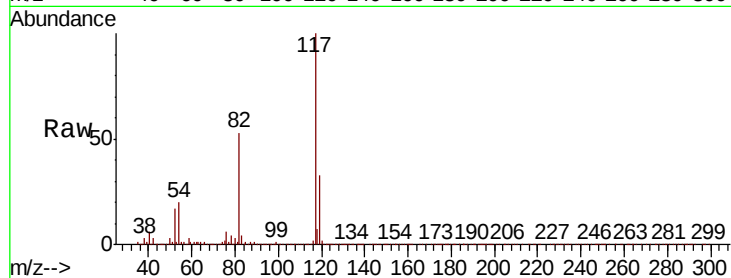
Tot Ion:117 Resp: 960321

Ion Ratio Lower Upper

117 100

82 52.9 42.6 64.0

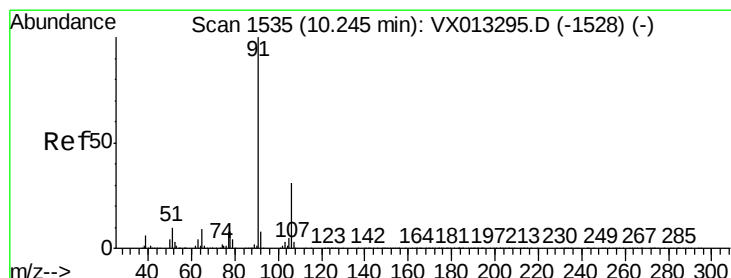
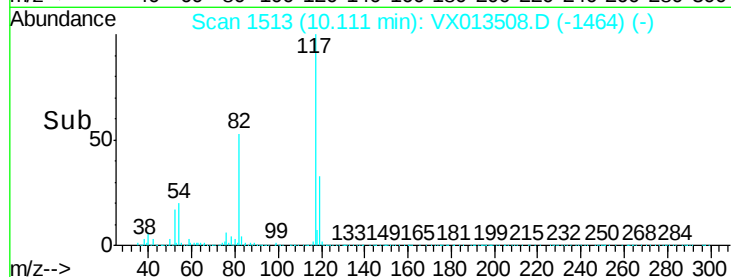
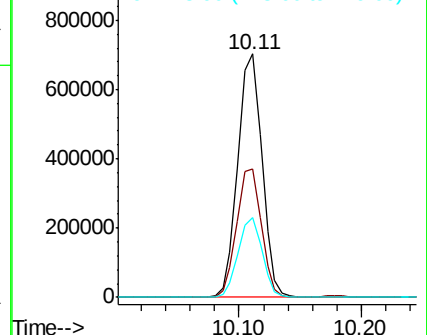
119 32.9 24.8 37.2



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: 8.024 ug/l

RT: 10.25 min Scan# 1535

Delta R.T. -0.00 min

Lab File: VX013508.D

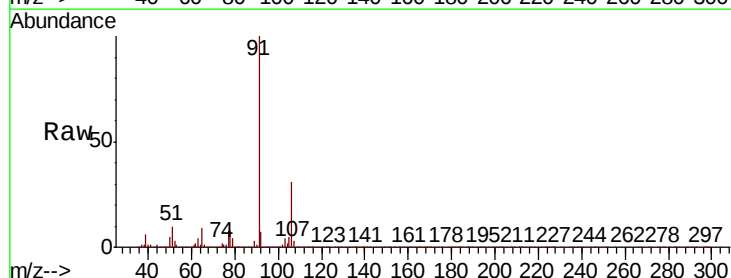
Acq: 21 Nov 2019 17:10

Tgt Ion: 91 Resp: 269238

Ion Ratio Lower Upper

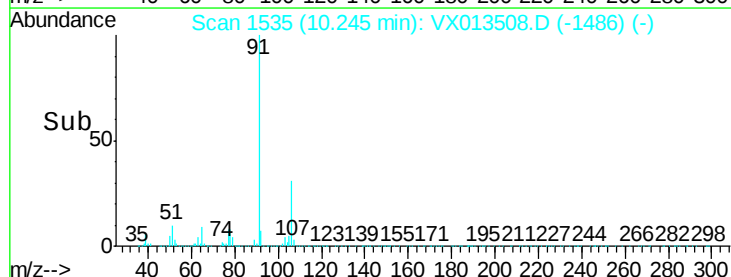
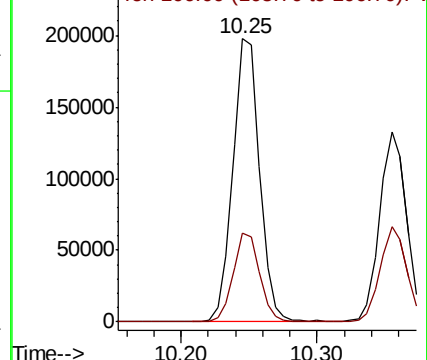
91 100

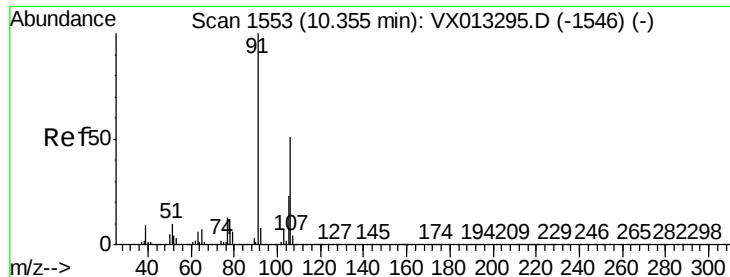
106 31.3 24.6 36.8



Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 106.00 (105.70 to 106.70): V

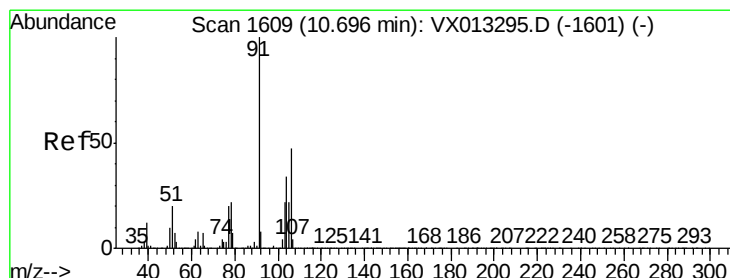
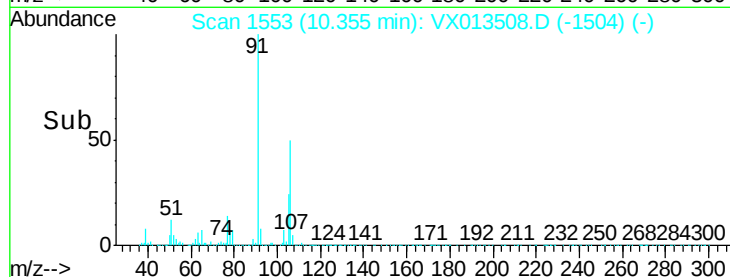
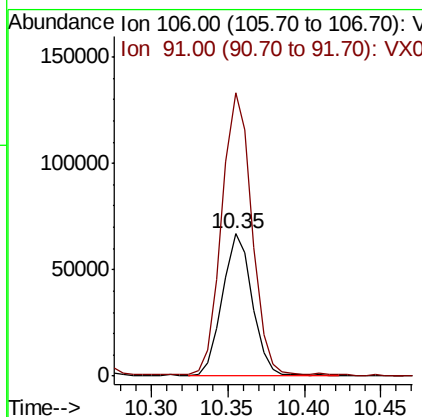
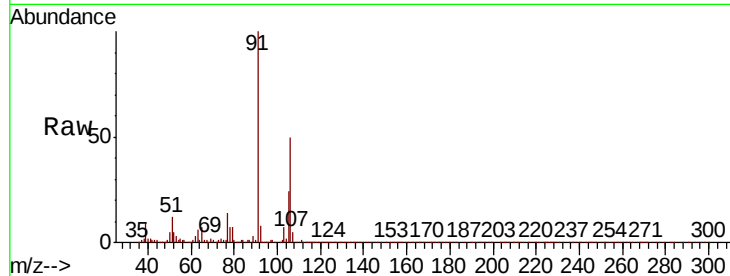




#68
m/p-Xylenes
Concen: 7.111 ug/l
RT: 10.35 min Scan# 1553
Delta R.T. -0.00 min
Lab File: VX013508.D
Acq: 21 Nov 2019 17:10

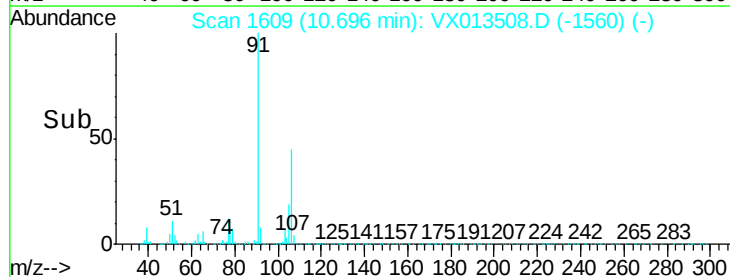
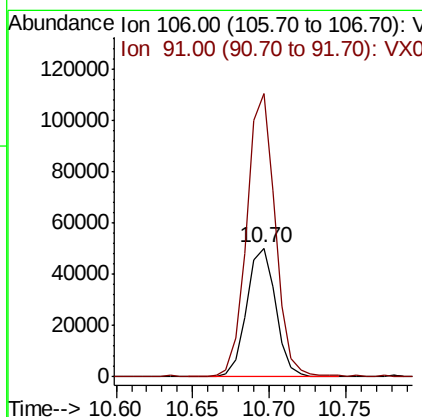
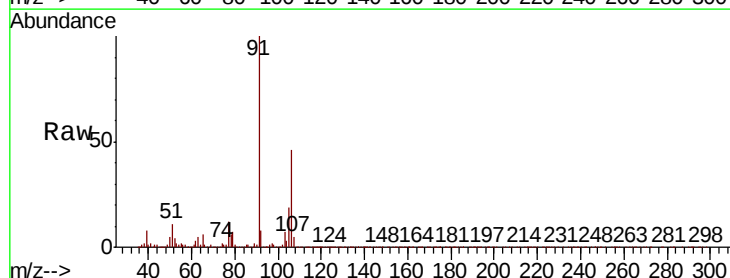
Instrument :
MSVOA_X
ClientSampleId :
MW-3DL

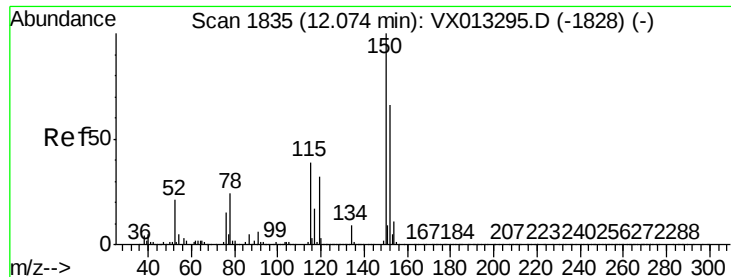
Tot Ion:106 Resp: 90239
Ion Ratio Lower Upper
106 100
91 200.0 159.3 238.9



#69
o-Xylene
Concen: 5.315 ug/l
RT: 10.70 min Scan# 1609
Delta R.T. -0.00 min
Lab File: VX013508.D
Acq: 21 Nov 2019 17:10

Tgt Ion:106 Resp: 66038
Ion Ratio Lower Upper
106 100
91 214.6 105.7 317.0



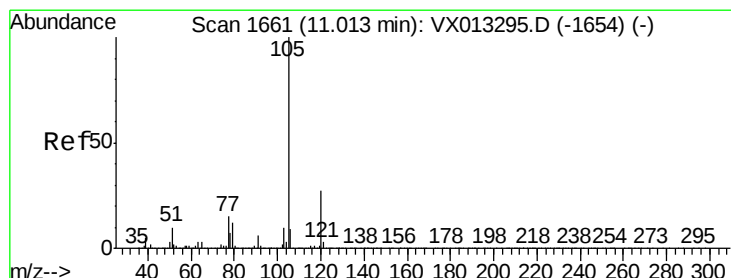
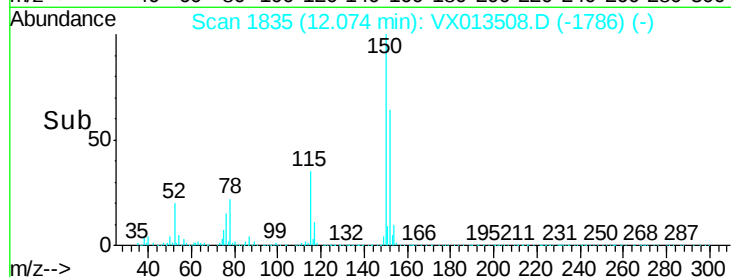
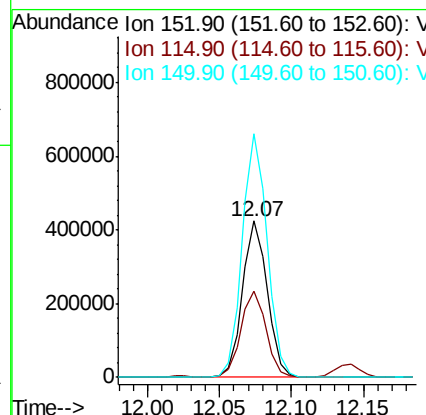
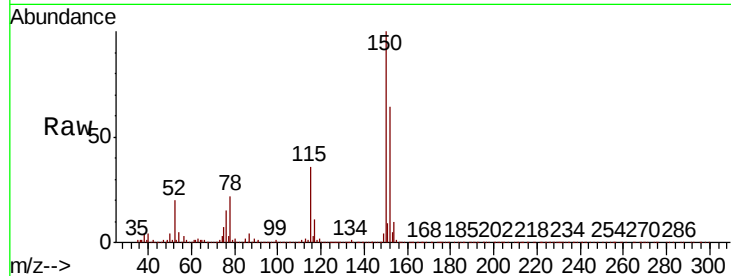


#72

1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.07 min Scan# 1835
Delta R.T. -0.00 min
Lab File: VX013508.D
Acq: 21 Nov 2019 17:10

Instrument :
MSVOA_X
ClientSampleId :
MW-3DL

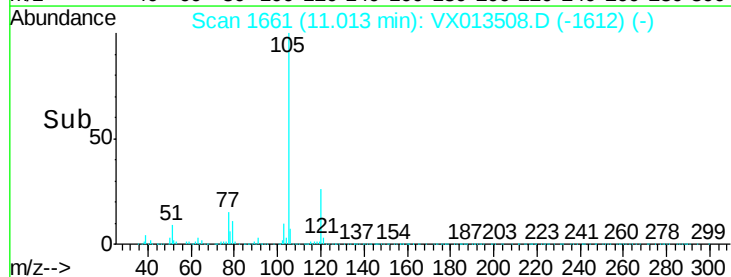
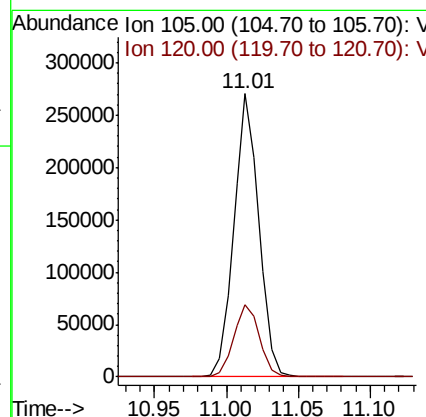
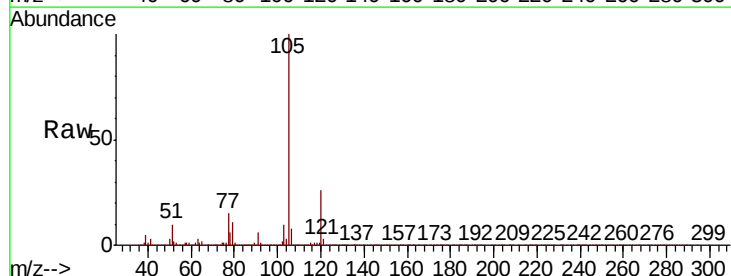
Tot Ion	Ratio	Lower	Upper
152	100		
115	56.2	39.5	118.3
150	157.1	0.0	344.4

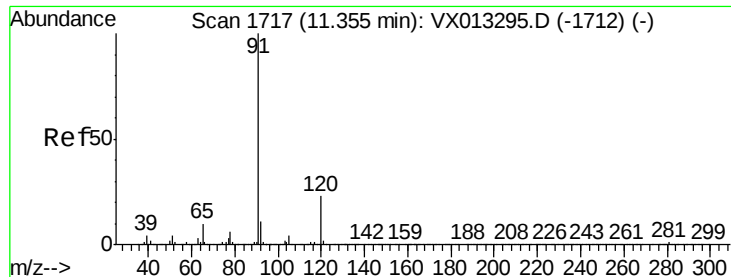


#73

Isopropylbenzene
Concen: 9.777 ug/l
RT: 11.01 min Scan# 1661
Delta R.T. -0.00 min
Lab File: VX013508.D
Acq: 21 Nov 2019 17:10

Tgt Ion	Ratio	Lower	Upper
105	100		
120	26.3	13.5	40.5





#78

n-propylbenzene

Concen: 18.026 ug/l

RT: 11.35 min Scan# 1717

Delta R.T. -0.00 min

Lab File: VX013508.D

Acq: 21 Nov 2019 17:10

Instrument :

MSVOA_X

ClientSampleId :

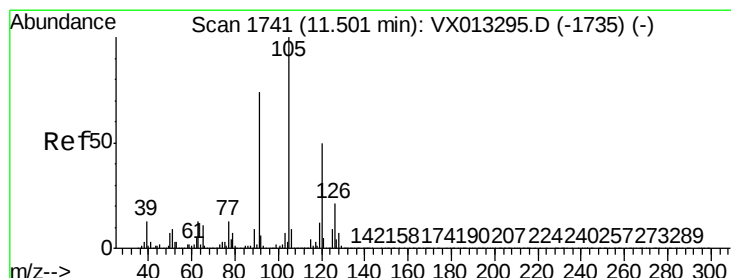
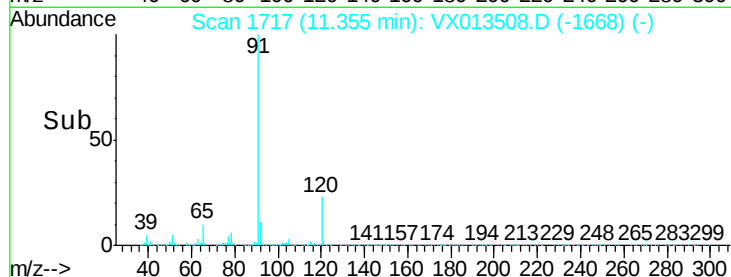
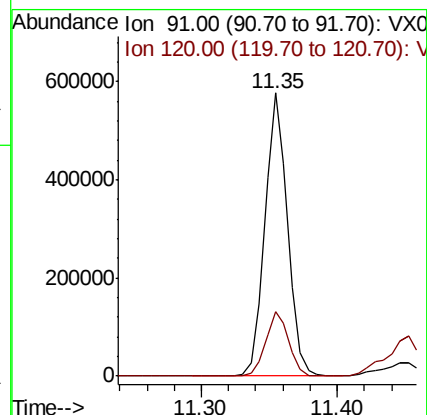
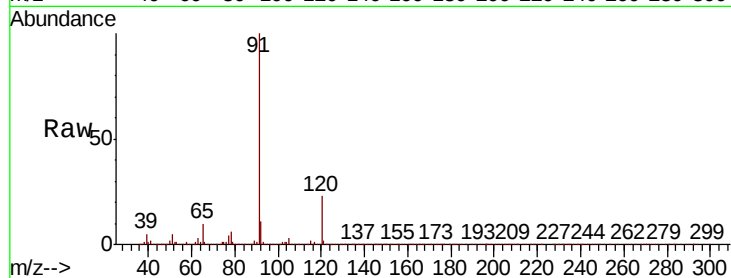
MW-3DL

Tot Ion: 91 Resp: 673302

Ion Ratio Lower Upper

91 100

120 23.1 11.6 34.8



#80

1,3,5-Trimethylbenzene

Concen: 8.408 ug/l

RT: 11.50 min Scan# 1741

Delta R.T. -0.00 min

Lab File: VX013508.D

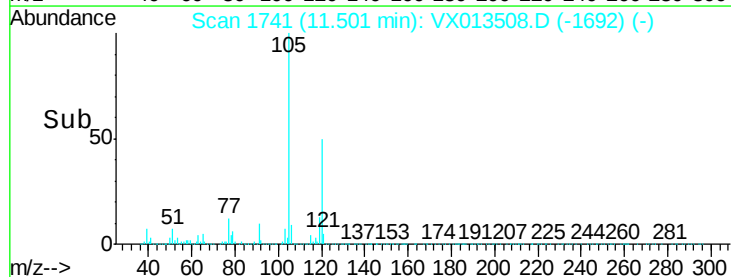
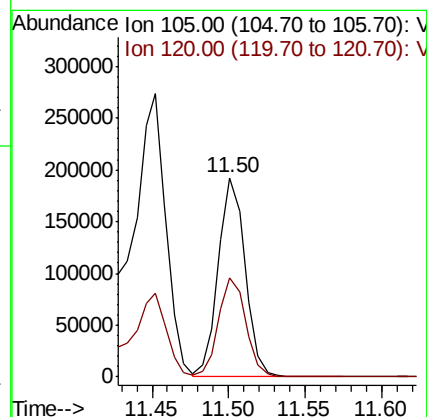
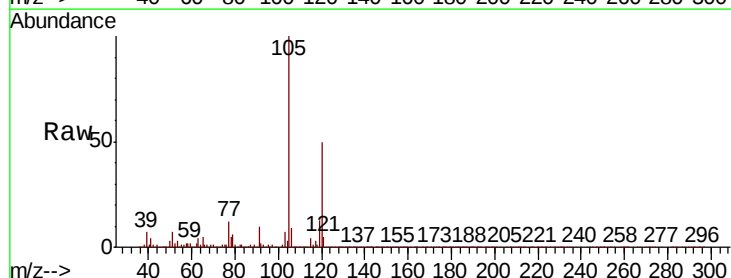
Acq: 21 Nov 2019 17:10

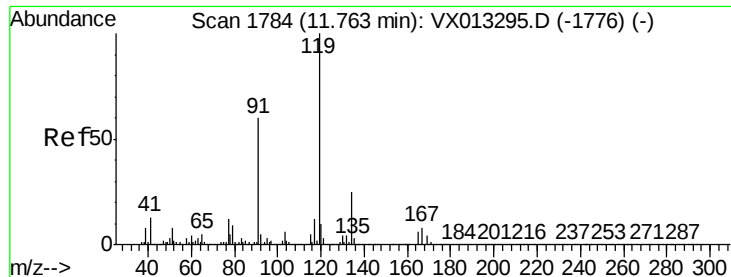
Tgt Ion: 105 Resp: 234841

Ion Ratio Lower Upper

105 100

120 50.6 24.9 74.8





#83

tert-Butylbenzene

Concen: 1.190 ug/l

RT: 11.76 min Scan# 1784

Delta R.T. -0.00 min

Lab File: VX013508.D

Acq: 21 Nov 2019 17:10

Instrument :

MSVOA_X

ClientSampleId :

MW-3DL

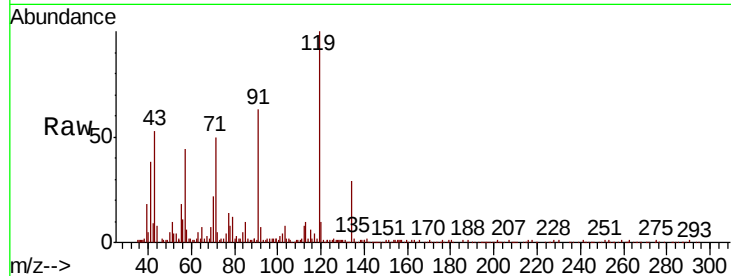
Tot Ion:119 Resp: 33446

Ion Ratio Lower Upper

119 100

91 66.0 26.9 80.7

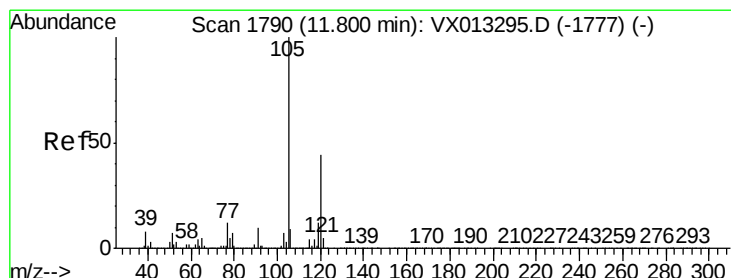
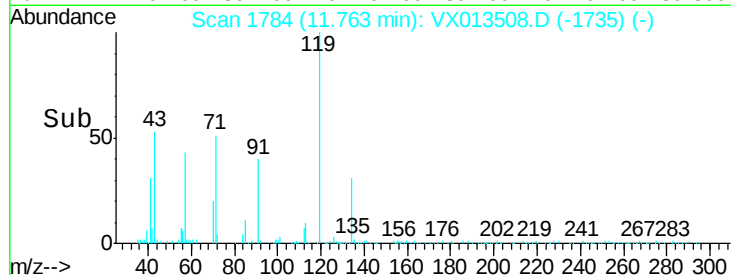
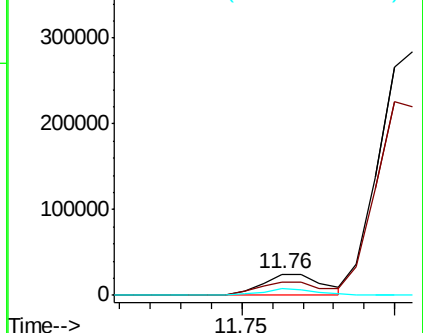
134 28.5 11.7 35.1



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: 98.748 ug/l

RT: 11.81 min Scan# 1791

Delta R.T. 0.01 min

Lab File: VX013508.D

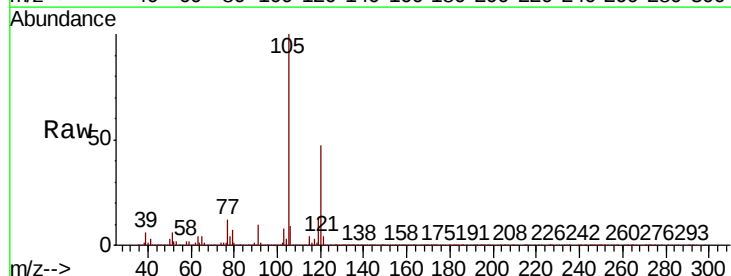
Acq: 21 Nov 2019 17:10

Tgt Ion:105 Resp: 2766674

Ion Ratio Lower Upper

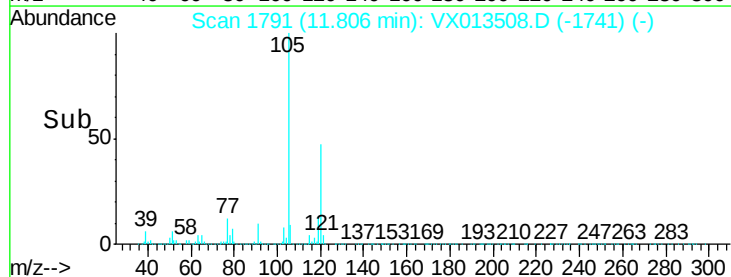
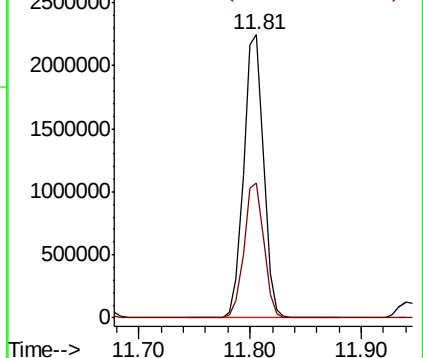
105 100

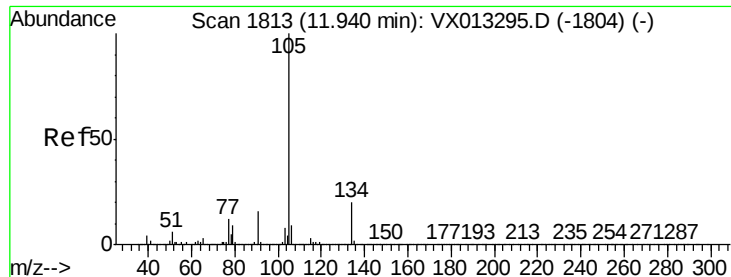
120 47.5 22.7 68.1



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

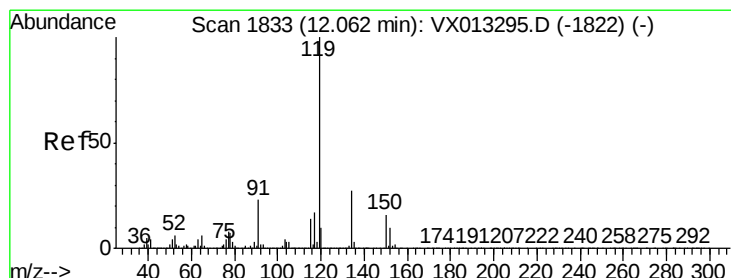
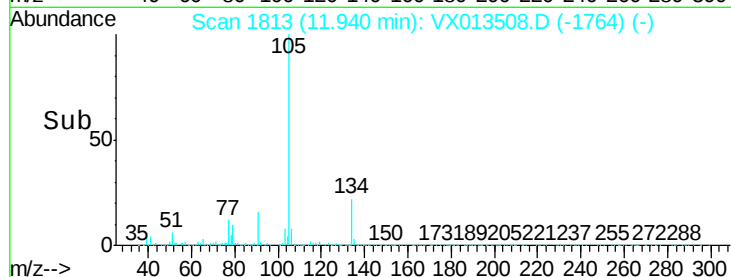
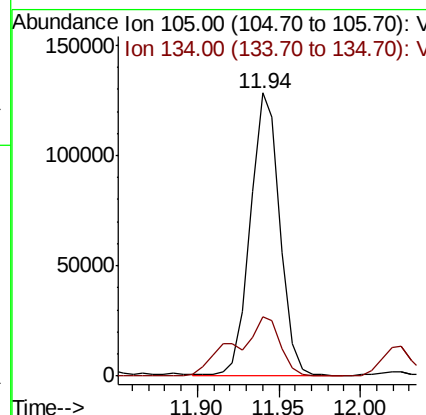
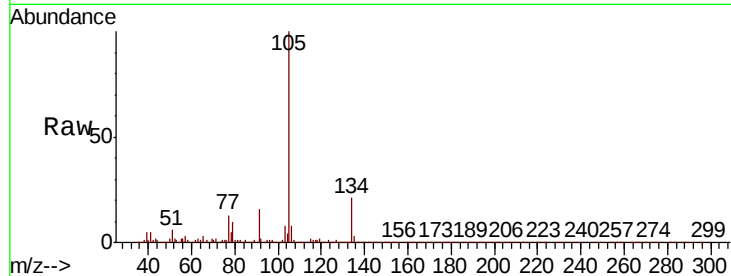




#85
 sec-Butylbenzene
 Concen: 4.967 ug/l
 RT: 11.94 min Scan# 1813
 Delta R.T. -0.00 min
 Lab File: VX013508.D
 Acq: 21 Nov 2019 17:10

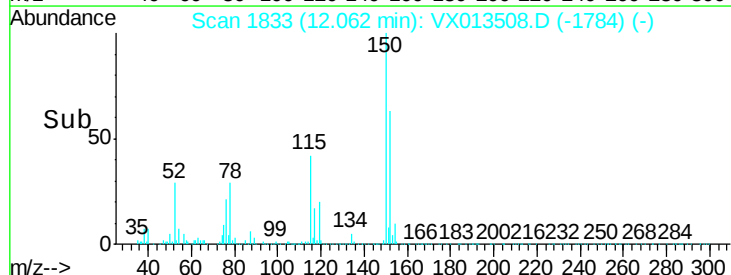
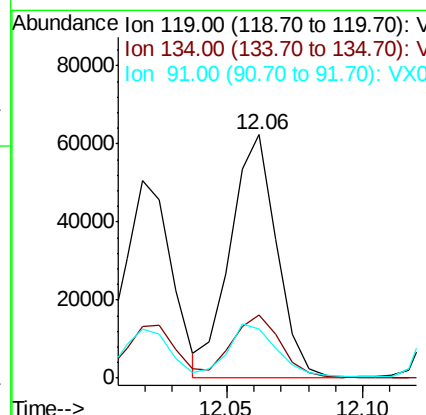
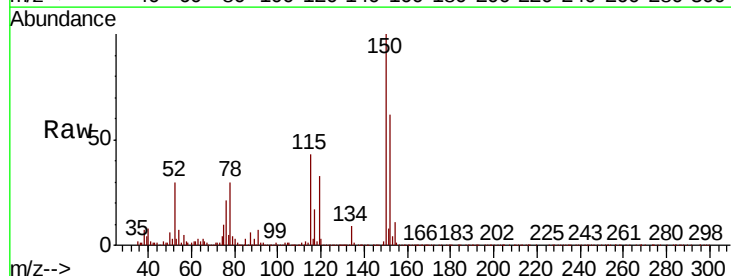
Instrument :
 MSVOA_X
 ClientSampled :
 MW-3DL

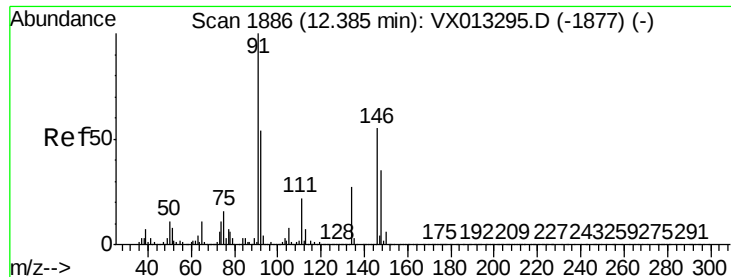
Tot Ion:105 Resp: 160483
 Ion Ratio Lower Upper
 105 100
 134 32.4 10.3 30.9#



#86
 p-Isopropyltoluene
 Concen: 2.463 ug/l
 RT: 12.06 min Scan# 1833
 Delta R.T. -0.00 min
 Lab File: VX013508.D
 Acq: 21 Nov 2019 17:10

Tgt Ion:119 Resp: 73277
 Ion Ratio Lower Upper
 119 100
 134 26.1 13.3 39.8
 91 22.6 11.5 34.4





#89

n-Butylbenzene

Concen: 3.870 ug/l

RT: 12.38 min Scan# 1886

Delta R.T. -0.00 min

Lab File: VX013508.D

Acq: 21 Nov 2019 17:10

Instrument :

MSVOA_X

ClientSampled :

MW-3DL

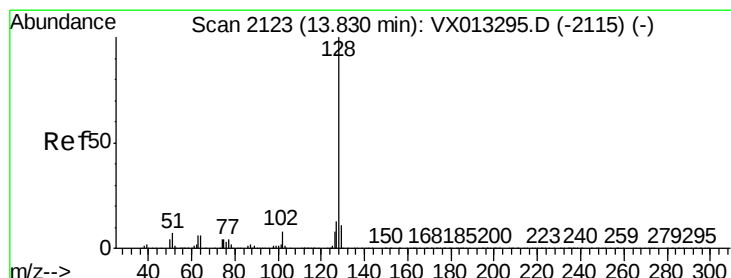
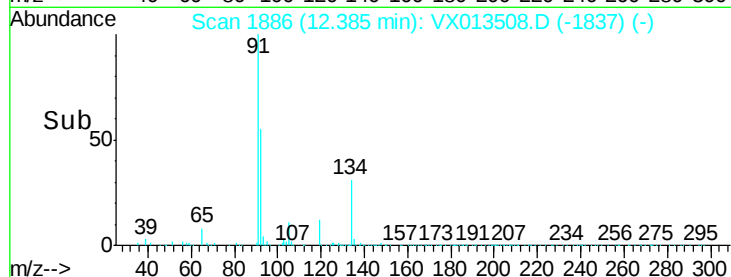
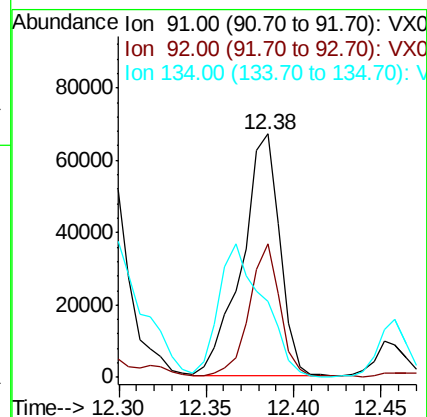
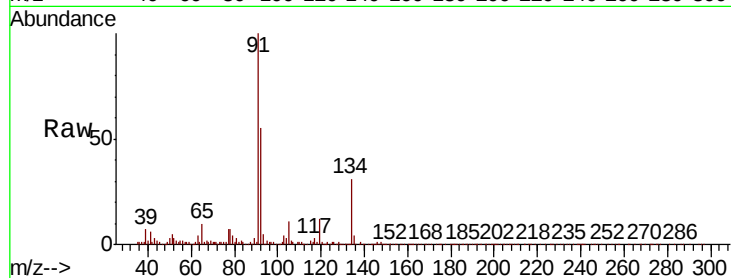
Tot Ion: 91 Resp: 100479

Ion Ratio Lower Upper

91 100

92 44.4 27.3 81.8

134 64.5 13.5 40.5#



#95

Naphthalene

Concen: 2.513 ug/l

RT: 13.83 min Scan# 2123

Delta R.T. -0.00 min

Lab File: VX013508.D

Acq: 21 Nov 2019 17:10

Tgt Ion: 128 Resp: 87600

Ion Ratio Lower Upper

128 100

127 12.6 10.2 15.2

129 10.9 8.5 12.7

