

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX061719\
 Data File : VX010326.D
 Acq On : 17 Jun 2019 15:59
 Operator : JC/SP
 Sample : K3121-01ME
 Misc : 5.00µ/10mL/100uL/5.00mL/MSVOA_X/MEOH
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 WASTEME

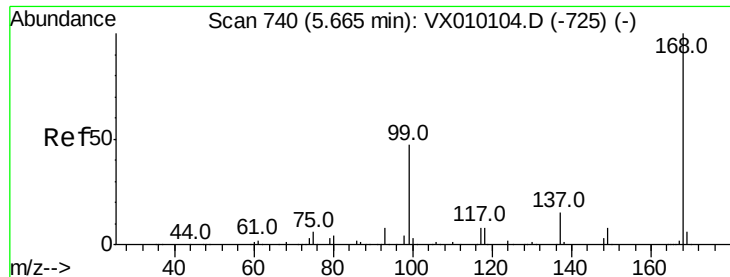
Quant Time: Jun 17 16:30:33 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X060719W.M
 Quant Title : SW846 8260
 QLast Update : Sat Jun 08 02:12:13 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.65	168	330737	50.00	ug/l	-0.01
34) 1,4-Difluorobenzene	6.85	114	486115	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	422074	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	217503	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	145285	45.00	ug/l	0.00
Spiked Amount			Recovery	=	90.00%	
35) Dibromofluoromethane	5.50	113	145566	48.55	ug/l	0.00
Spiked Amount			Recovery	=	97.10%	
50) Toluene-d8	8.71	98	571045	50.81	ug/l	0.00
Spiked Amount			Recovery	=	101.62%	
62) 4-Bromofluorobenzene	11.14	95	245629	58.53	ug/l	0.00
Spiked Amount			Recovery	=	117.06%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
31) Cyclohexane	5.56	56	16875	3.592	ug/l #	83
39) Methylcyclohexane	7.45	83	244266	45.231	ug/l #	84
52) Toluene	8.78	92	196142	24.331	ug/l	99
67) Ethyl Benzene	10.25	91	759004	51.182	ug/l	95
68) m/p-Xylenes	10.36	106	1522130	265.243	ug/l	92
69) o-Xylene	10.70	106	917553	160.848	ug/l	91
73) Isopropylbenzene	11.02	105	632515	41.659	ug/l	95
78) n-propylbenzene	11.36	91	1961522	116.045	ug/l	95
80) 1,3,5-Trimethylbenzene	11.51	105	2409960	188.451	ug/l	99
84) 1,2,4-Trimethylbenzene	11.81	105	7604119	588.677	ug/l	94
85) sec-Butylbenzene	11.95	105	1560445	103.480	ug/l	85
86) p-Isopropyltoluene	12.07	119	851728	61.784	ug/l	98
89) n-Butylbenzene	12.39	91	2737939	230.728	ug/l #	46

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.65 min Scan# 738

Delta R.T. -0.01 min

Lab File: VX010326.D

Acq: 17 Jun 2019 15:59

Instrument :

MSVOA_X

ClientSampleId :

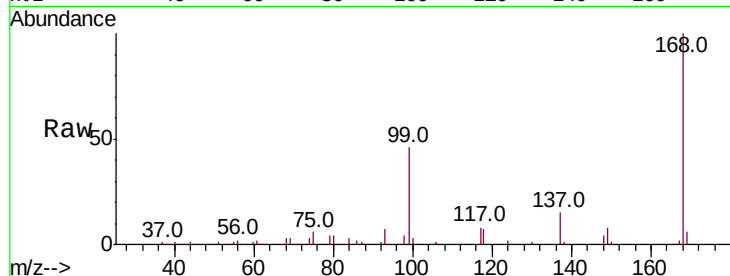
WASTEME

Tot Ion:168 Resp: 330737

Ion Ratio Lower Upper

168 100

99 46.4 43.0 64.6



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

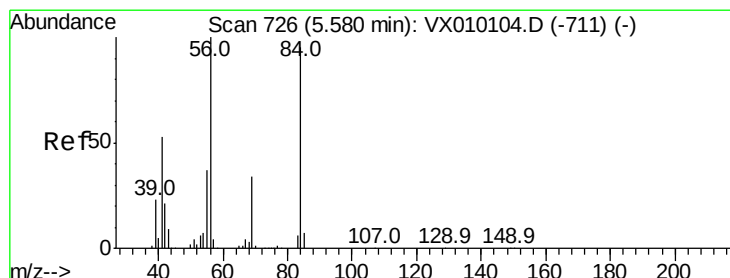
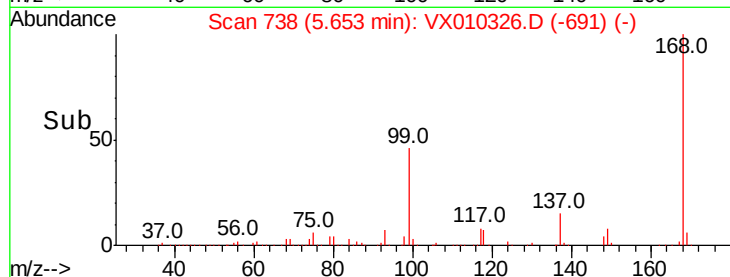
5.65

100000

50000

0

Time-->



#31

Cyclohexane

Concen: 3.592 ug/l

RT: 5.56 min Scan# 723

Delta R.T. -0.02 min

Lab File: VX010326.D

Acq: 17 Jun 2019 15:59

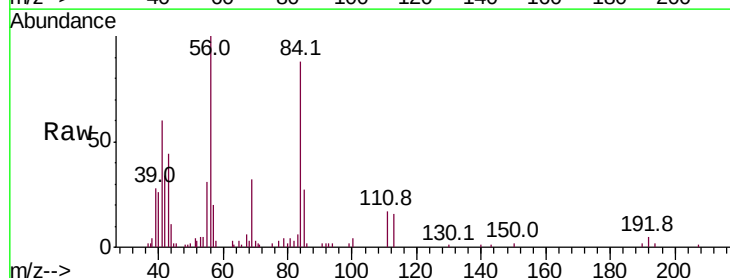
Tgt Ion: 56 Resp: 16875

Ion Ratio Lower Upper

56 100

69 31.9 21.6 32.4

84 87.7 56.8 85.2#



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

5.56

6000

5000

4000

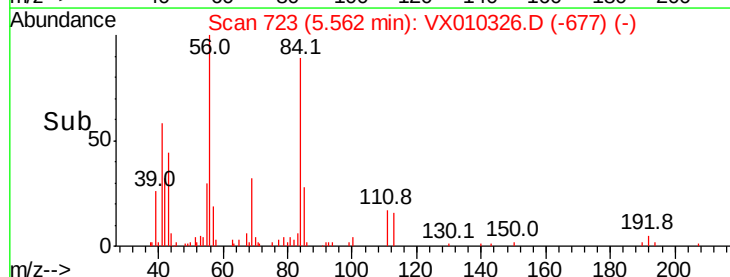
3000

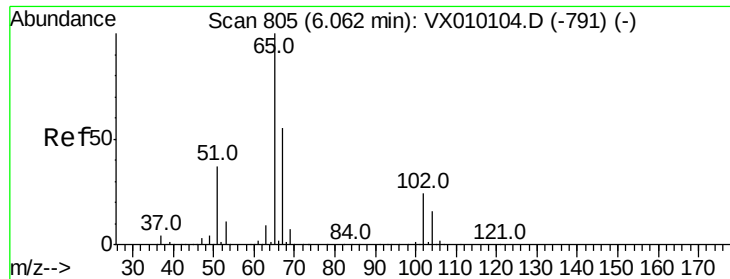
2000

1000

0

Time-->

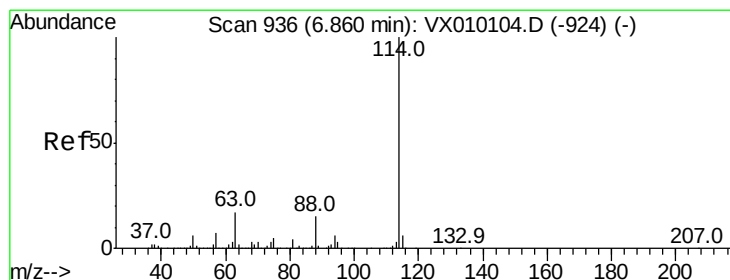
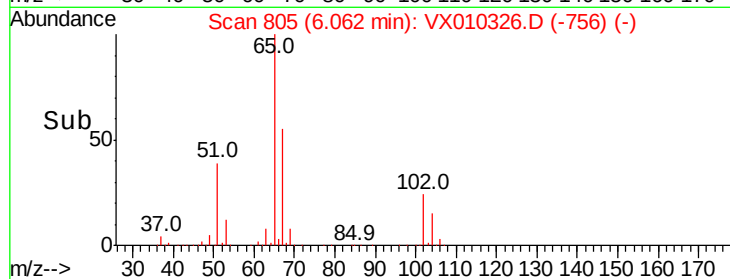
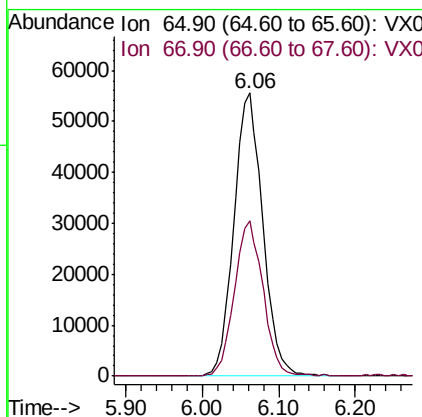
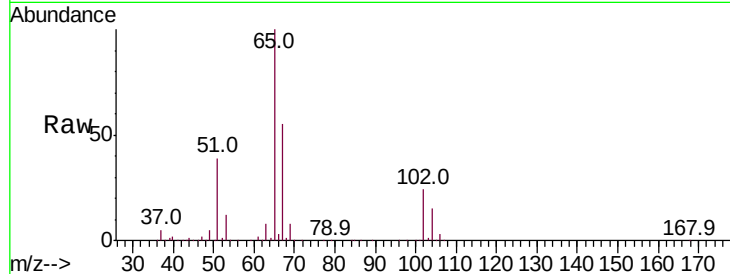




#33
 1,2-Dichloroethane-d4
 Concen: 45.003 ug/l
 RT: 6.06 min Scan# 805
 Delta R.T. 0.00 min
 Lab File: VX010326.D
 Acq: 17 Jun 2019 15:59

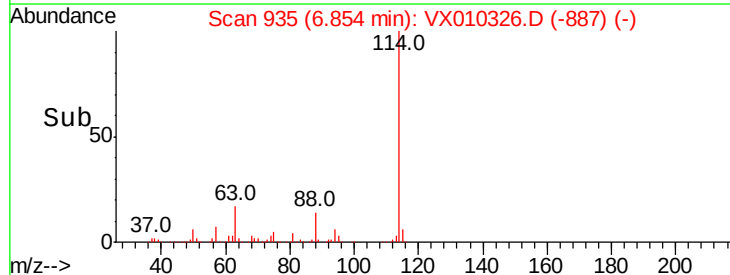
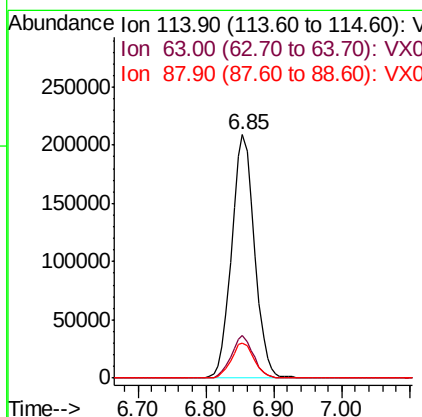
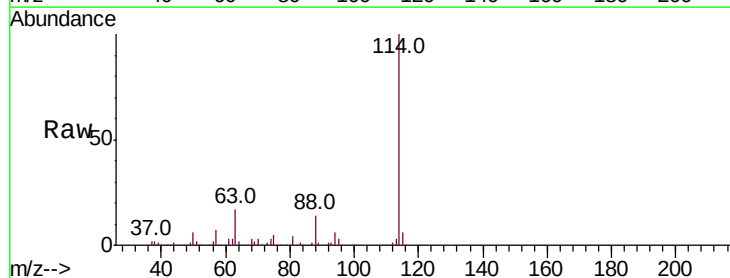
Instrument :
 MSVOA_X
 ClientSampleId :
 WASTEME

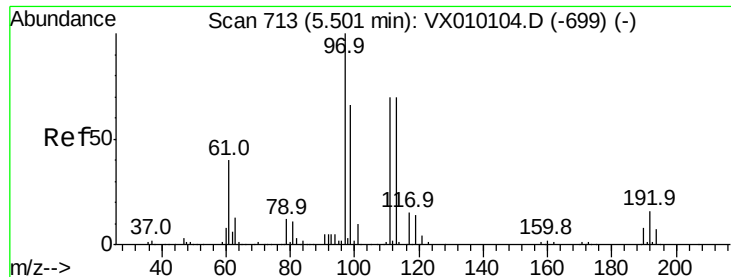
Tot Ion: 65 Resp: 145285
 Ion Ratio Lower Upper
 65 100
 67 54.4 0.0 108.4



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.85 min Scan# 935
 Delta R.T. -0.01 min
 Lab File: VX010326.D
 Acq: 17 Jun 2019 15:59

Tgt Ion:114 Resp: 486115
 Ion Ratio Lower Upper
 114 100
 63 17.4 0.0 47.4
 88 14.4 0.0 33.0

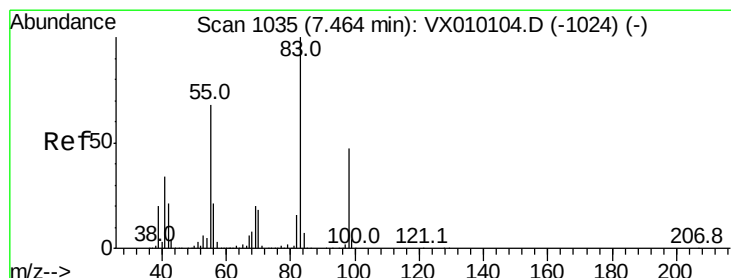
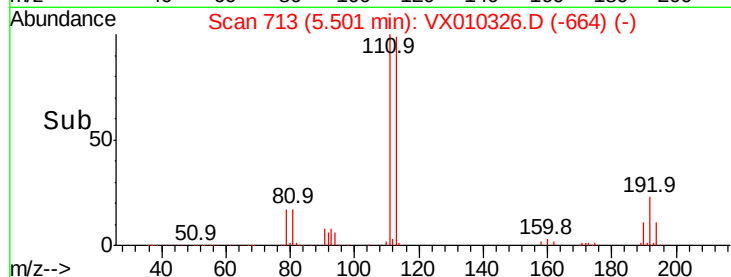
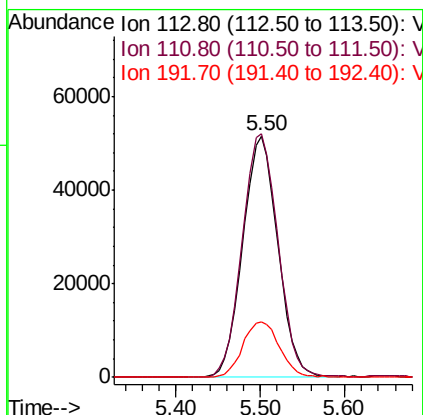
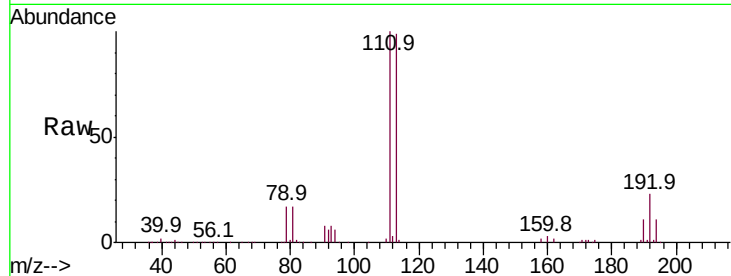




#35
Dibromofluoromethane
Concen: 48.547 ug/l
RT: 5.50 min Scan# 713
Delta R.T. -0.00 min
Lab File: VX010326.D
Acq: 17 Jun 2019 15:59

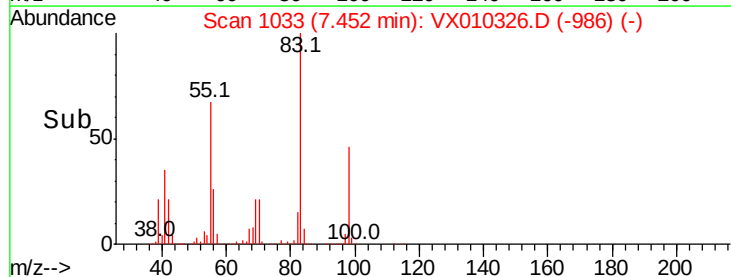
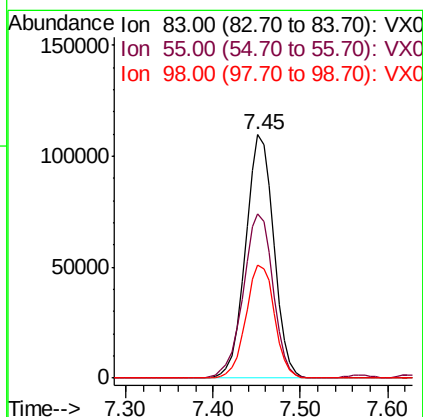
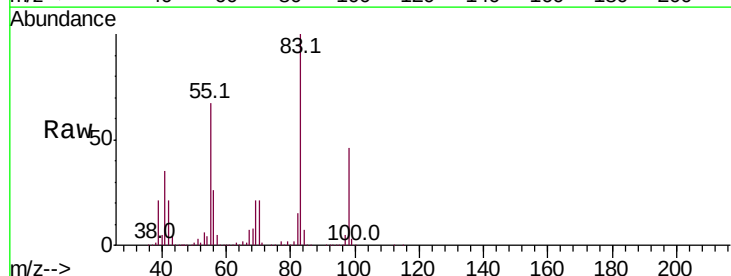
Instrument :
MSVOA_X
ClientSampleId :
WASTEME

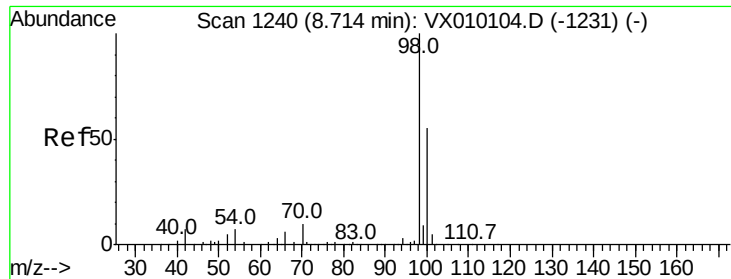
Tot Ion	Ratio	Lower	Upper
113	100		
111	103.2	82.2	123.2
192	24.1	17.1	25.7



#39
Methylcyclohexane
Concen: 45.231 ug/l
RT: 7.45 min Scan# 1033
Delta R.T. -0.01 min
Lab File: VX010326.D
Acq: 17 Jun 2019 15:59

Tgt Ion	Ratio	Lower	Upper
83	100		
55	67.2	69.9	104.9#
98	46.4	35.1	52.7





#50

Toluene-d8

Concen: 50.815 ug/l

RT: 8.71 min Scan# 1240

Delta R.T. 0.00 min

Lab File: VX010326.D

Acq: 17 Jun 2019 15:59

Instrument :

MSVOA_X

ClientSampleId :

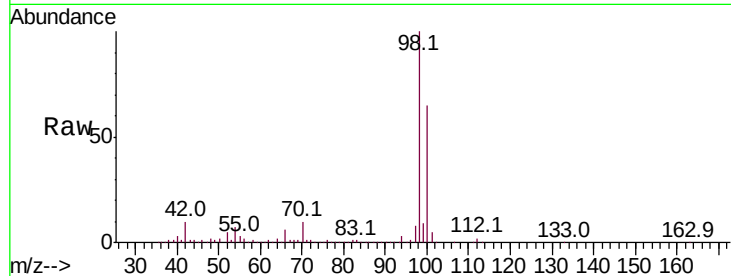
WASTEME

Tot Ion: 98 Resp: 571045

Ion Ratio Lower Upper

98 100

100 63.7 51.5 77.3



Abundance Ion 98.00 (97.70 to 98.70): VX0

Ion 100.00 (99.70 to 100.70): VX

8.71

400000

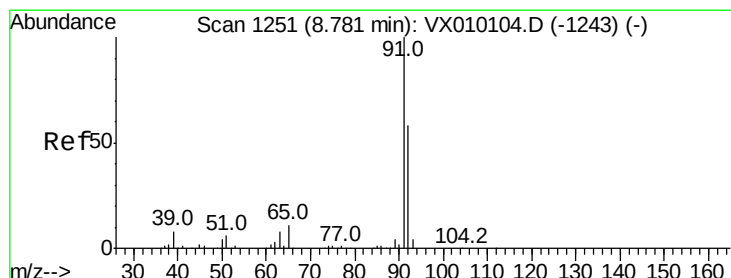
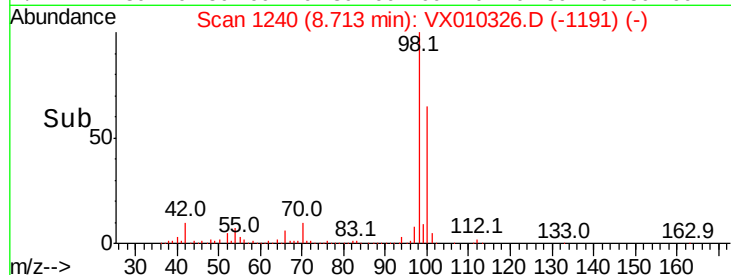
300000

200000

100000

0

Time-->



#52

Toluene

Concen: 24.331 ug/l

RT: 8.78 min Scan# 1251

Delta R.T. -0.00 min

Lab File: VX010326.D

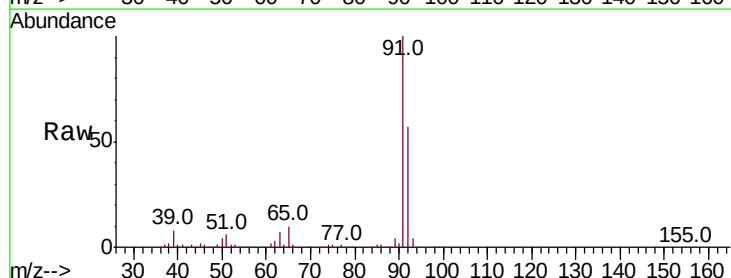
Acq: 17 Jun 2019 15:59

Tgt Ion: 92 Resp: 196142

Ion Ratio Lower Upper

92 100

91 176.2 139.9 209.9



Abundance Ion 92.00 (91.70 to 92.70): VX0

Ion 91.00 (90.70 to 91.70): VX0

250000

200000

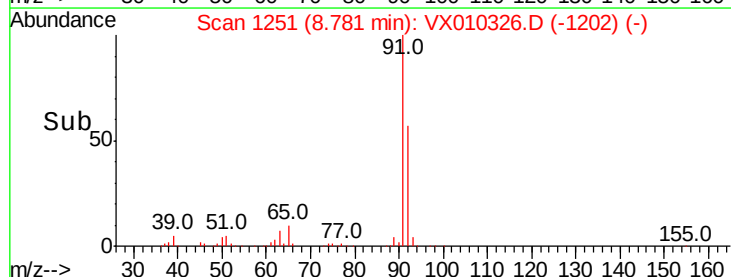
150000

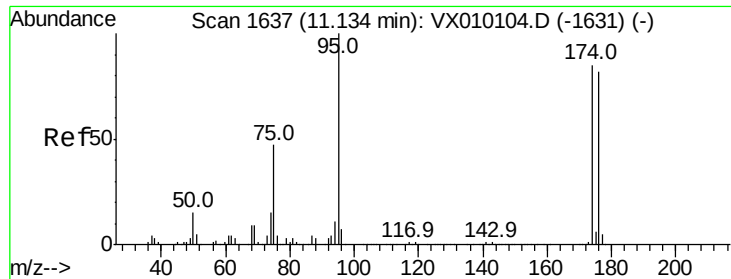
100000

50000

0

Time-->





#62

4-Bromofluorobenzene

Concen: 58.527 ug/l

RT: 11.14 min Scan# 1638

Delta R.T. 0.01 min

Lab File: VX010326.D

Acq: 17 Jun 2019 15:59

Instrument :

MSVOA_X

ClientSampleId :

WASTEME

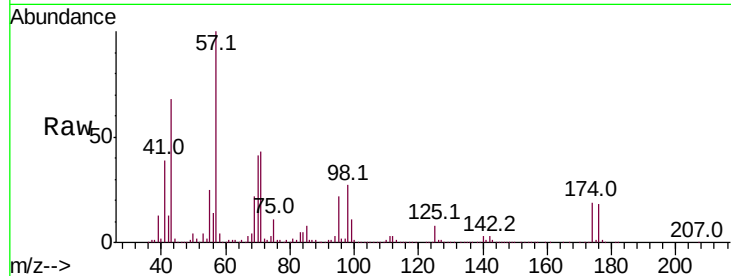
Tot Ion: 95 Resp: 245629

Ion Ratio Lower Upper

95 100

174 71.5 0.0 160.4

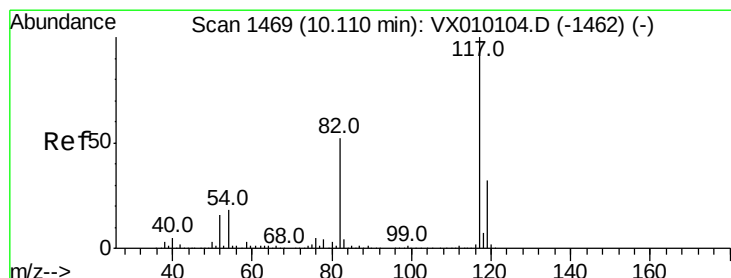
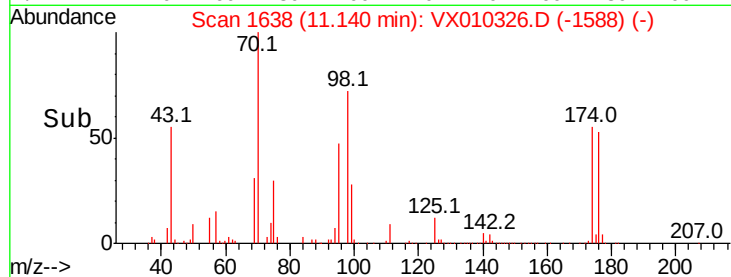
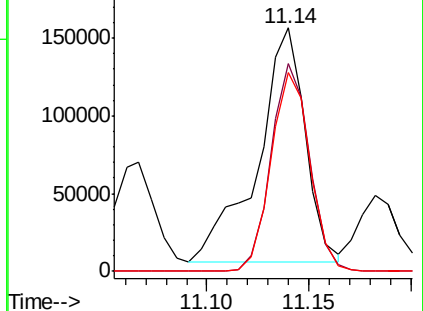
176 69.4 0.0 154.6



Abundance Ion 94.90 (94.60 to 95.60): VX0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 10.12 min Scan# 1470

Delta R.T. 0.01 min

Lab File: VX010326.D

Acq: 17 Jun 2019 15:59

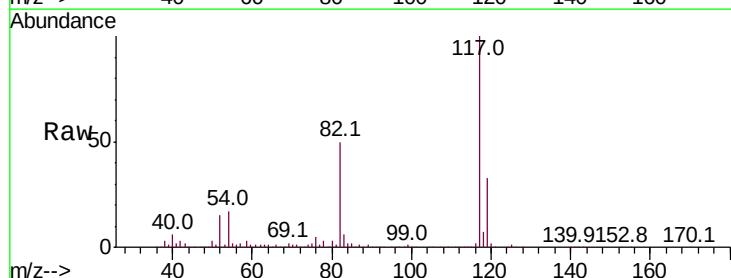
Tgt Ion: 117 Resp: 422074

Ion Ratio Lower Upper

117 100

82 49.4 49.2 73.8

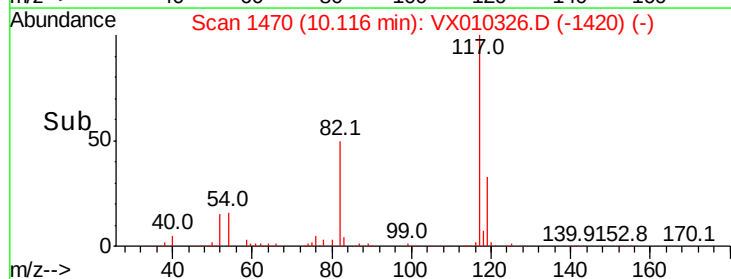
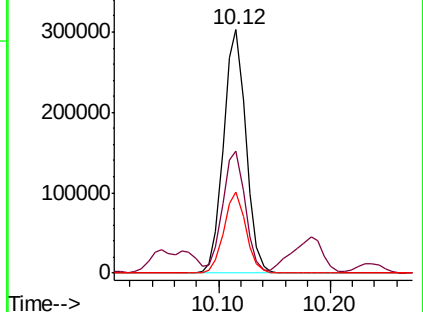
119 33.1 25.2 37.8

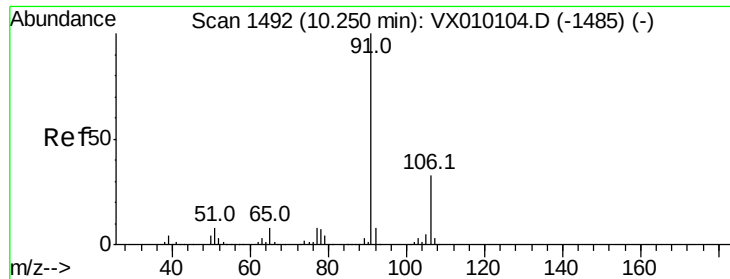


Abundance Ion 116.90 (116.60 to 117.60): V

Ion 82.00 (81.70 to 82.70): VX0

Ion 118.90 (118.60 to 119.60): V





#67

Ethyl Benzene

Concen: 51.182 ug/l

RT: 10.25 min Scan# 1492

Delta R.T. -0.00 min

Lab File: VX010326.D

Acq: 17 Jun 2019 15:59

Instrument :

MSVOA_X

ClientSampled :

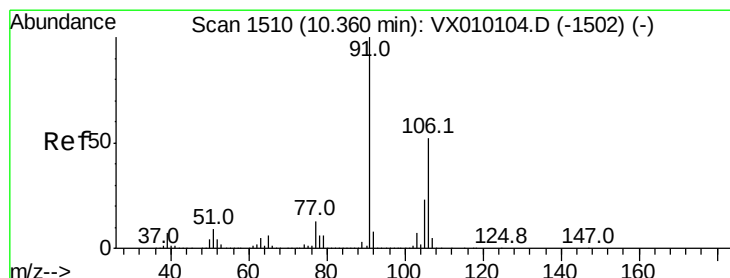
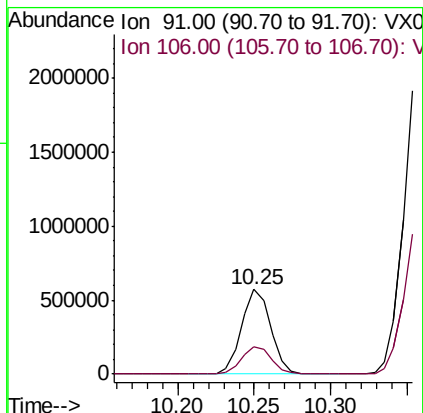
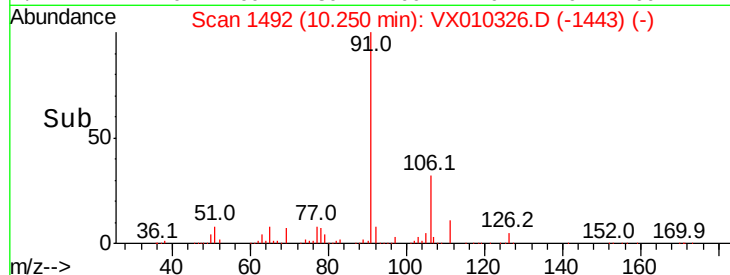
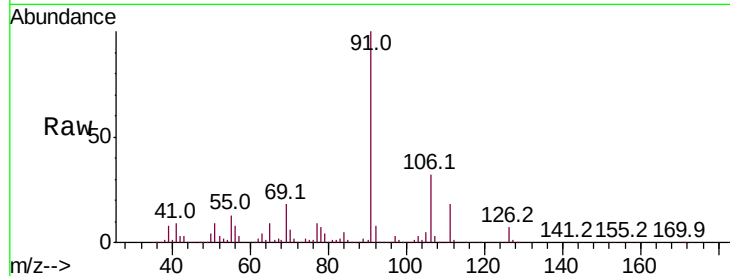
WASTEME

Tot Ion: 91 Resp: 759004

Ion Ratio Lower Upper

91 100

106 32.4 23.9 35.9



#68

m/p-Xylenes

Concen: 265.243 ug/l

RT: 10.36 min Scan# 1510

Delta R.T. -0.00 min

Lab File: VX010326.D

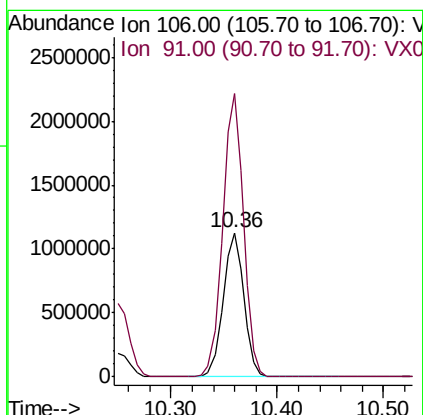
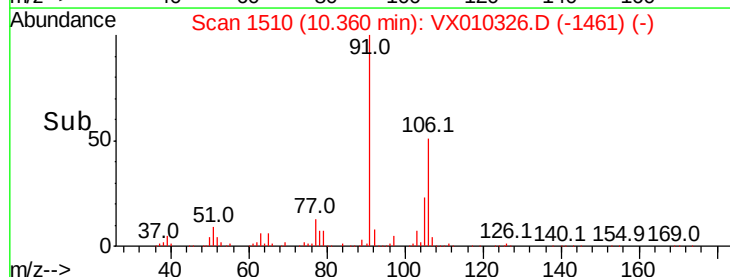
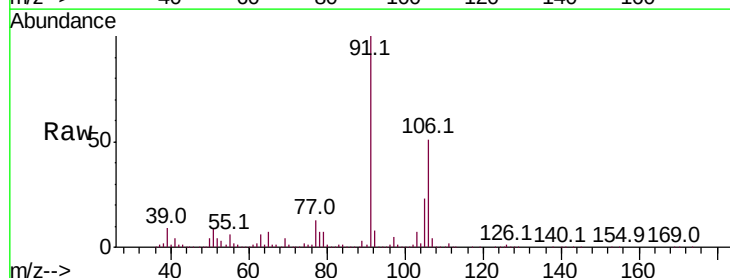
Acq: 17 Jun 2019 15:59

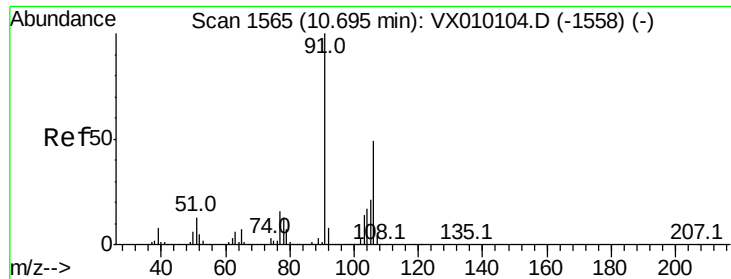
Tgt Ion: 106 Resp: 1522130

Ion Ratio Lower Upper

106 100

91 197.0 167.3 250.9

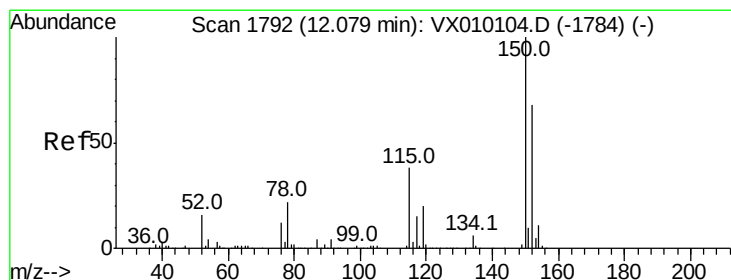
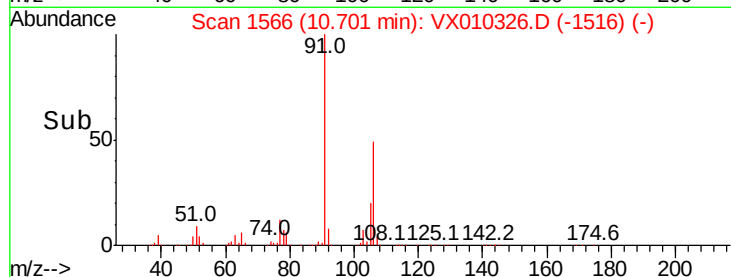
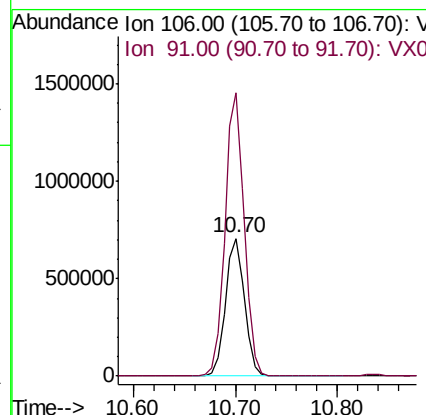
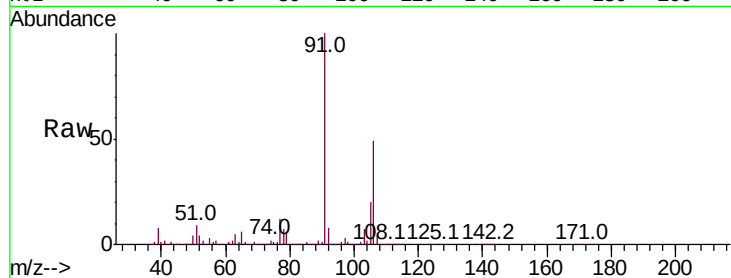




#69
o-Xylene
Concen: 160.848 ug/l
RT: 10.70 min Scan# 1566
Delta R.T. 0.01 min
Lab File: VX010326.D
Acq: 17 Jun 2019 15:59

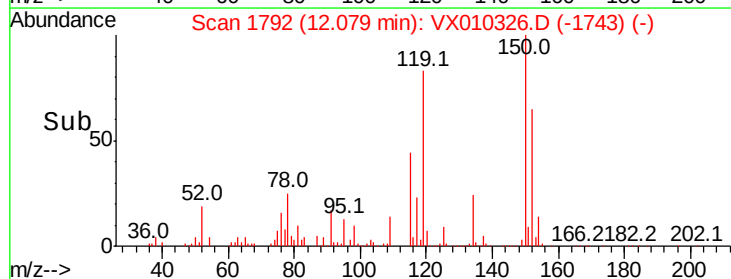
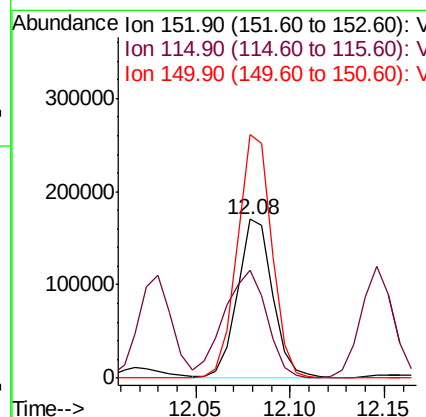
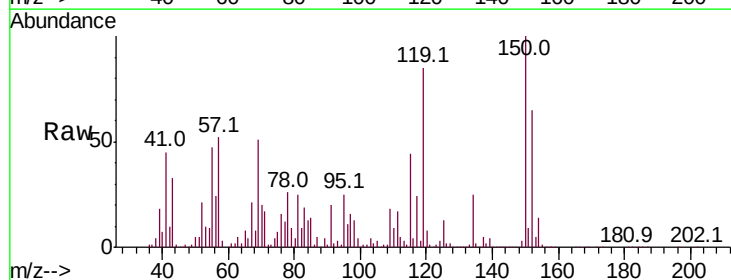
Instrument :
MSVOA_X
ClientSampleId :
WASTEME

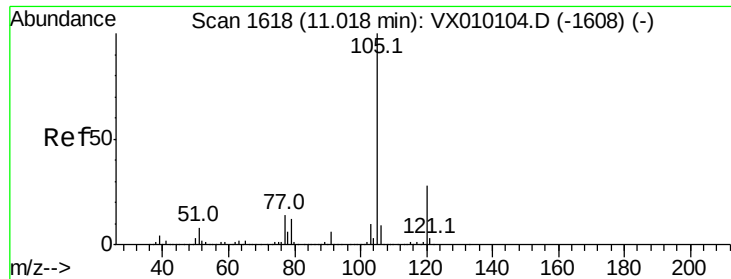
Tot Ion:106 Resp: 917553
Ion Ratio Lower Upper
106 100
91 205.9 110.4 331.2



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.08 min Scan# 1792
Delta R.T. -0.00 min
Lab File: VX010326.D
Acq: 17 Jun 2019 15:59

Tgt Ion:152 Resp: 217503
Ion Ratio Lower Upper
152 100
115 83.0 41.4 124.2
150 151.8 0.0 345.2





#73

Isopropylbenzene

Concen: 41.659 ug/l

RT: 11.02 min Scan# 1618

Delta R.T. -0.00 min

Lab File: VX010326.D

Acq: 17 Jun 2019 15:59

Instrument :

MSVOA_X

ClientSampled :

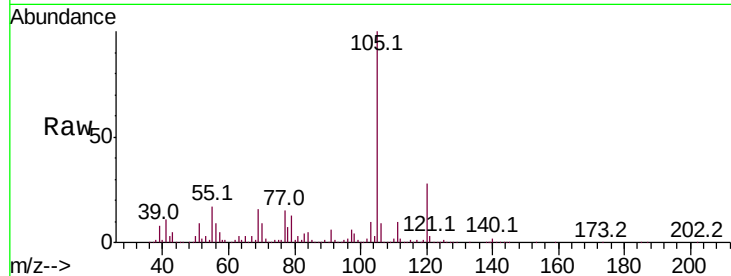
WASTEME

Tot Ion:105 Resp: 632515

Ion Ratio Lower Upper

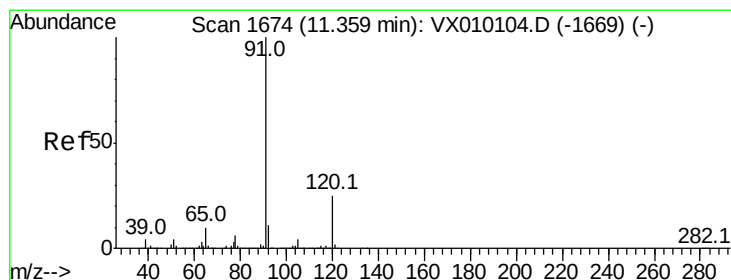
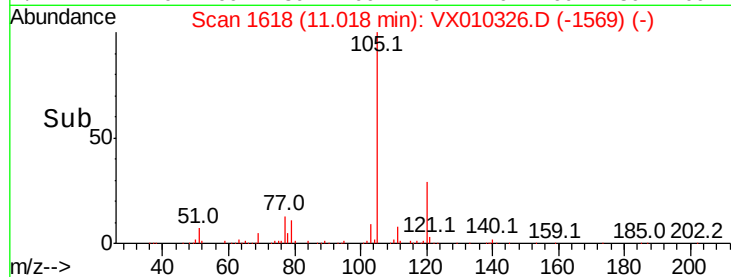
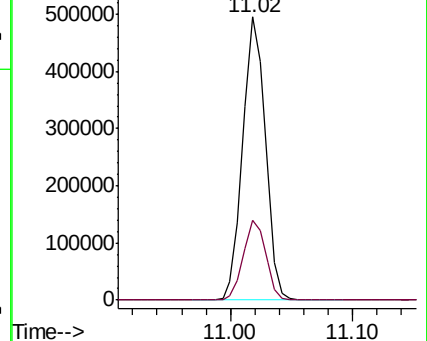
105 100

120 28.2 12.8 38.4



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#78

n-propylbenzene

Concen: 116.045 ug/l

RT: 11.36 min Scan# 1674

Delta R.T. -0.00 min

Lab File: VX010326.D

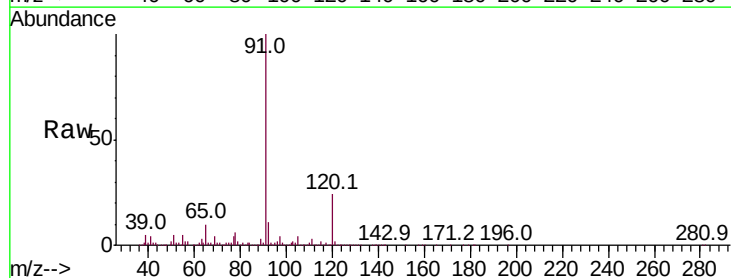
Acq: 17 Jun 2019 15:59

Tgt Ion: 91 Resp: 1961522

Ion Ratio Lower Upper

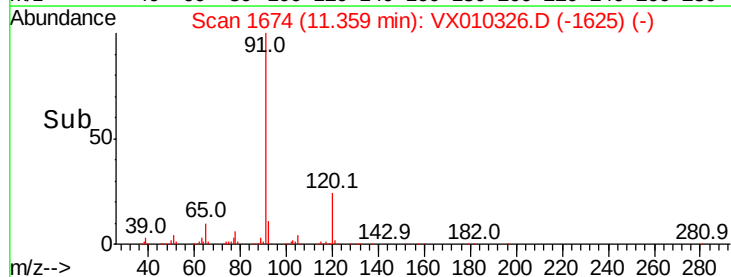
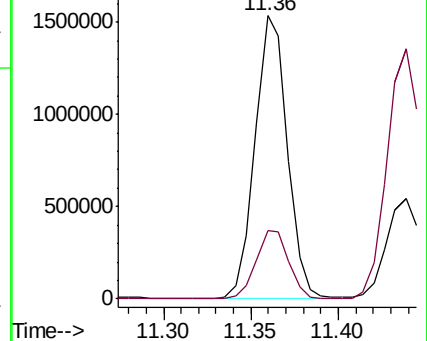
91 100

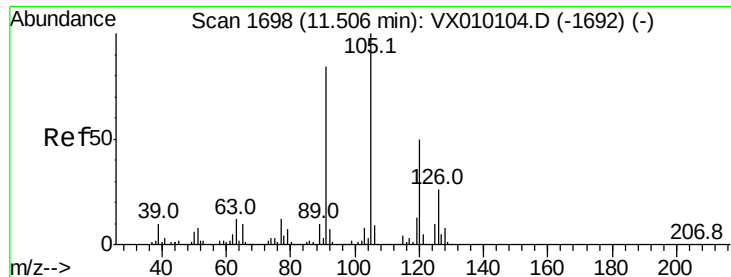
120 24.6 11.1 33.3



Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 120.00 (119.70 to 120.70): V





#80

1,3,5-Trimethylbenzene

Concen: 188.451 ug/l

RT: 11.51 min Scan# 1699

Delta R.T. 0.01 min

Lab File: VX010326.D

Acq: 17 Jun 2019 15:59

Instrument :

MSVOA_X

ClientSampled :

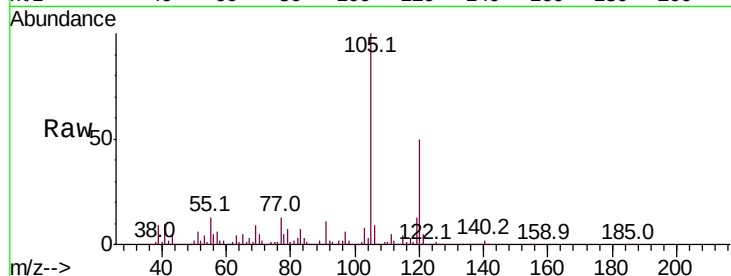
WASTEME

Tot Ion:105 Resp: 2409960

Ion Ratio Lower Upper

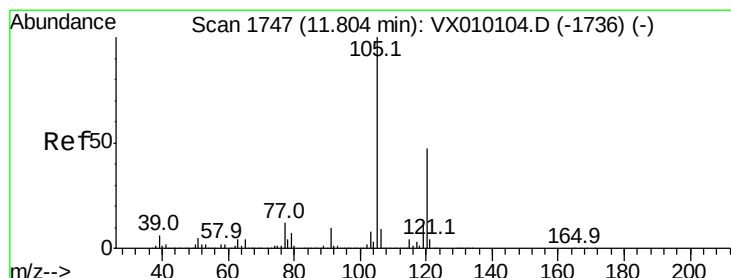
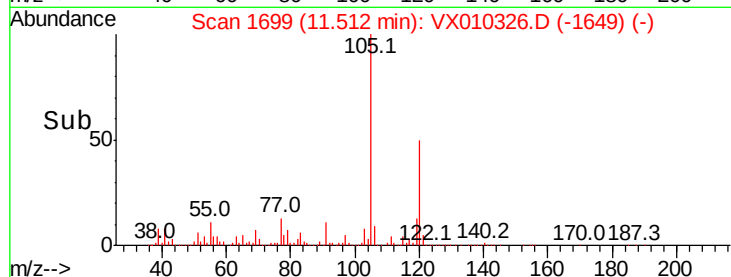
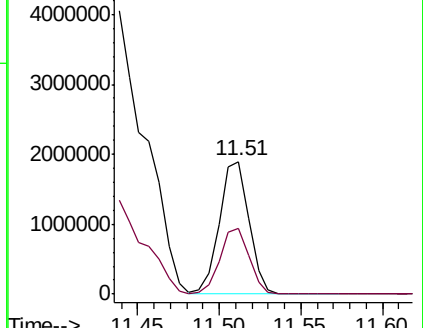
105 100

120 49.2 24.1 72.3



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#84

1,2,4-Trimethylbenzene

Concen: 588.677 ug/l

RT: 11.81 min Scan# 1748

Delta R.T. 0.01 min

Lab File: VX010326.D

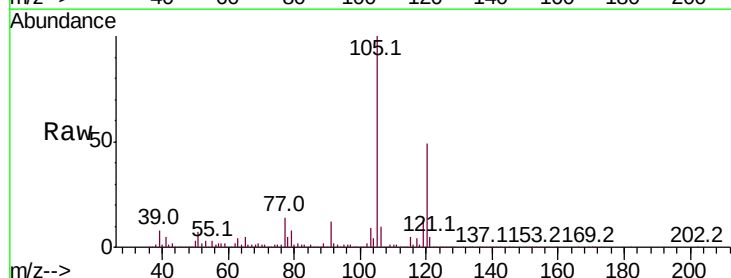
Acq: 17 Jun 2019 15:59

Tgt Ion:105 Resp: 7604119

Ion Ratio Lower Upper

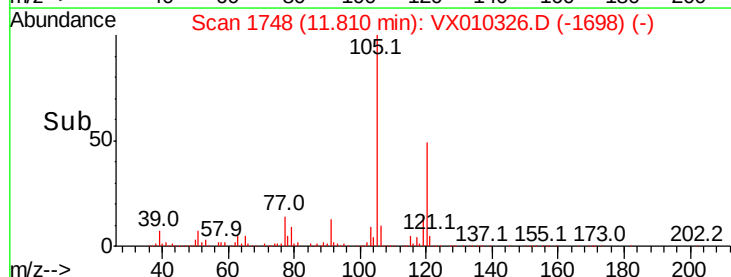
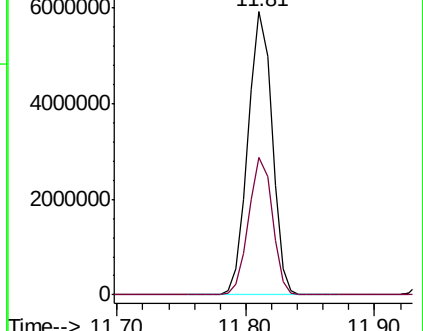
105 100

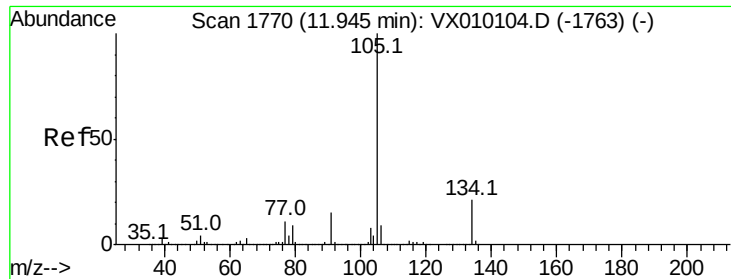
120 47.9 22.1 66.1



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#85

sec-Butylbenzene

Concen: 103.480 ug/l

RT: 11.95 min Scan# 1771

Delta R.T. 0.01 min

Lab File: VX010326.D

Acq: 17 Jun 2019 15:59

Instrument :

MSVOA_X

ClientSampled :

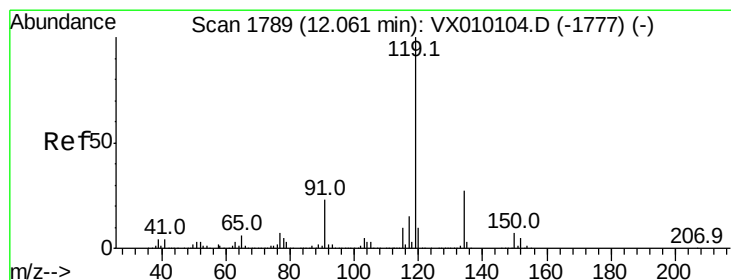
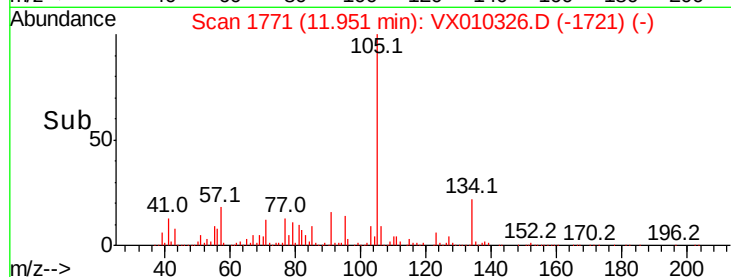
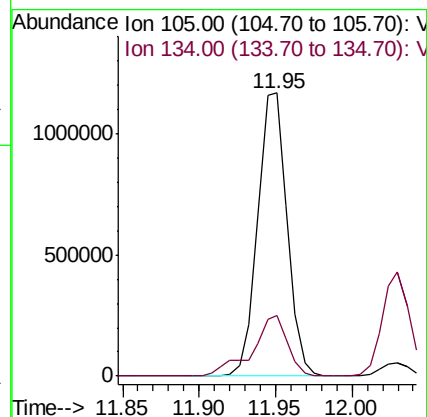
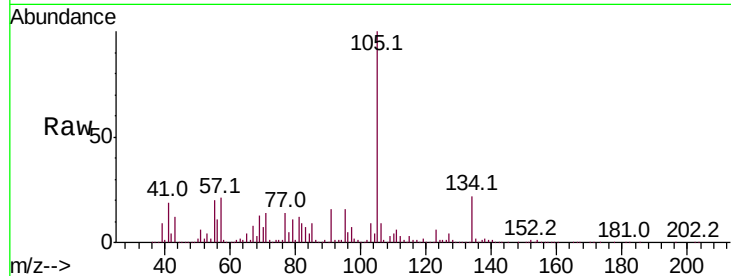
WASTEME

Tot Ion:105 Resp: 1560445

Ion Ratio Lower Upper

105 100

134 26.0 9.7 28.9



#86

p-Isopropyltoluene

Concen: 61.784 ug/l

RT: 12.07 min Scan# 1790

Delta R.T. 0.01 min

Lab File: VX010326.D

Acq: 17 Jun 2019 15:59

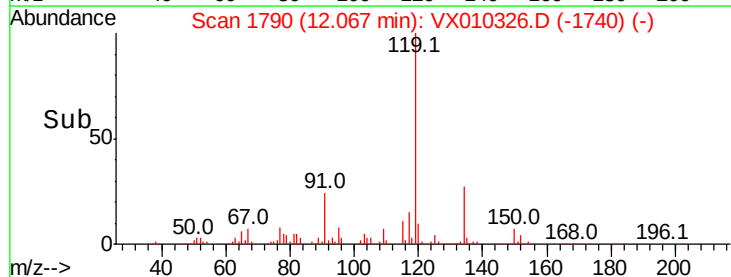
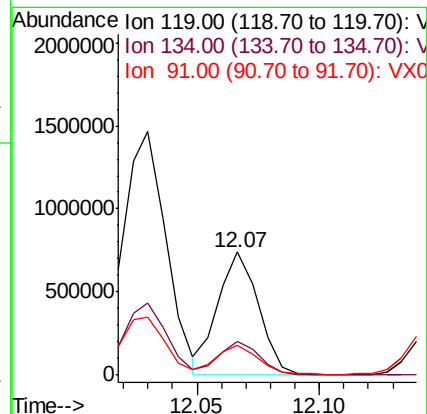
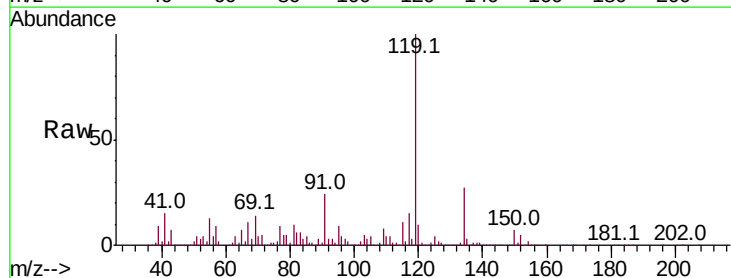
Tgt Ion:119 Resp: 851728

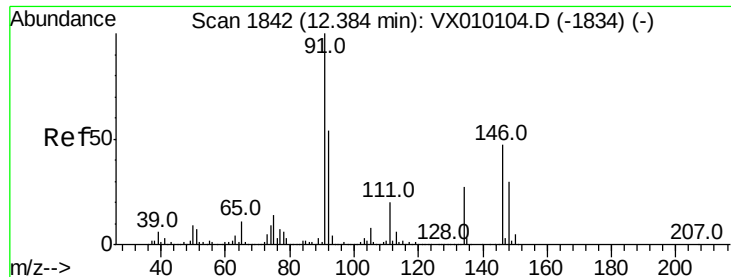
Ion Ratio Lower Upper

119 100

134 27.4 12.9 38.6

91 23.3 11.9 35.9





#89
 n-Butylbenzene
 Concen: 230.728 ug/l
 RT: 12.39 min Scan# 1843
 Delta R.T. 0.01 min
 Lab File: VX010326.D
 Acq: 17 Jun 2019 15:59

Instrument :
 MSVOA_X
 ClientSampleId :
 WASTEME

Tot Ion: 91 Resp: 2737939
 Ion Ratio Lower Upper
 91 100
 92 37.8 26.3 78.8
 134 86.6 12.3 36.8#

