

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW102819\
 Data File : VW013780.D
 Acq On : 28 Oct 2019 21:09
 Operator : SY/VA
 Sample : K5563-11
 Misc : 7.10G/5ML/MSVOA W/SOIL
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 TP-2

Quant Time: Oct 29 12:12:59 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W102319S.M
 Quant Title : SW846 8260
 QLast Update : Wed Oct 23 14:11:46 2019
 Response via : Initial Calibration

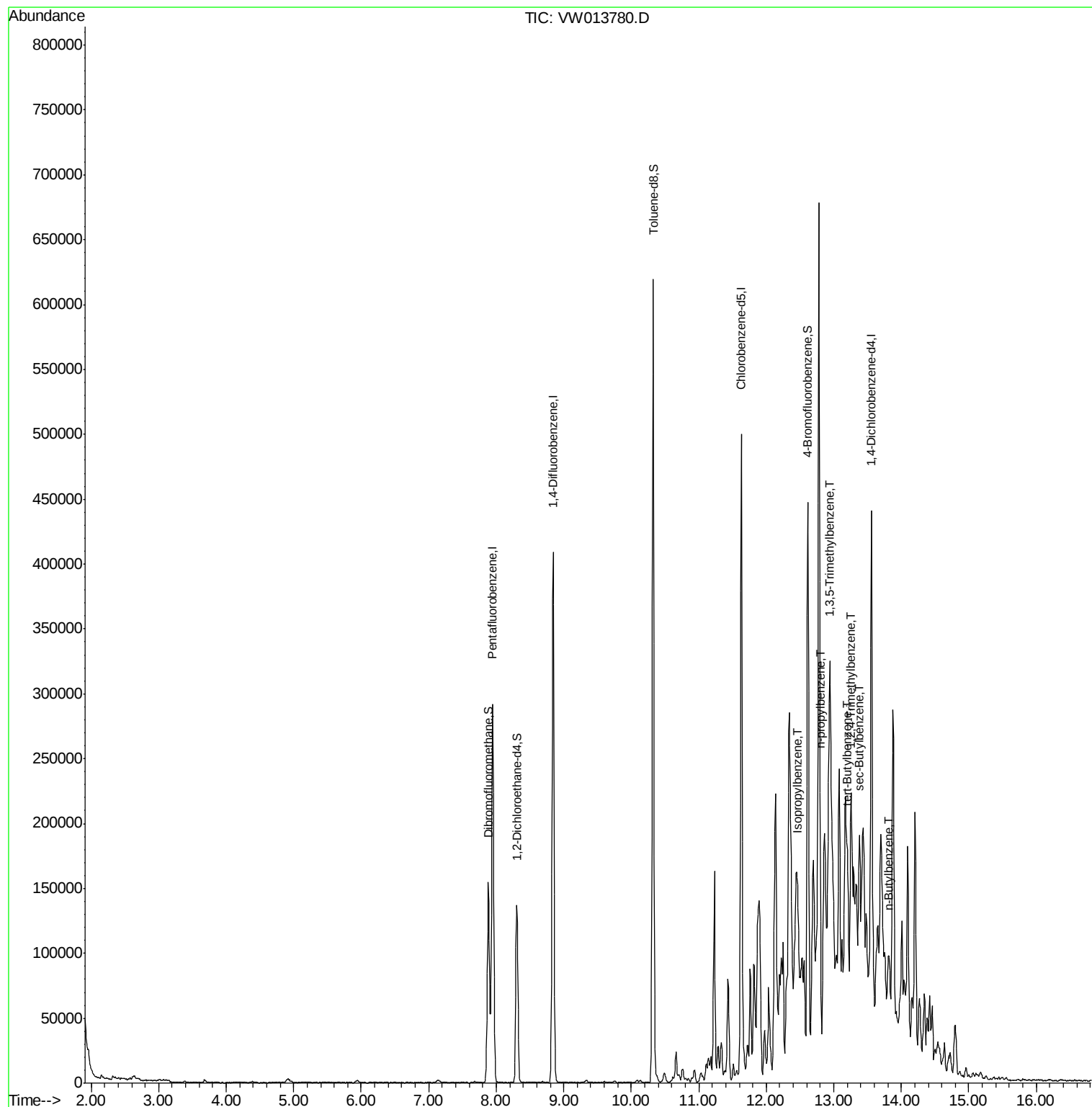
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	247233	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	366907	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	295221	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.55	152	115962	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.31	65	108910	58.72	ug/l	0.00
Spiked Amount 50.000			Recovery	=	117.44%	
35) Dibromofluoromethane	7.88	113	111223	54.55	ug/l	0.00
Spiked Amount 50.000			Recovery	=	109.10%	
50) Toluene-d8	10.32	98	416801	50.17	ug/l	0.00
Spiked Amount 50.000			Recovery	=	100.34%	
62) 4-Bromofluorobenzene	12.62	95	122976	43.72	ug/l	0.00
Spiked Amount 50.000			Recovery	=	87.44%	
Target Compounds						
73) Isopropylbenzene	12.46	105	26601	3.194	ug/l	96
78) n-propylbenzene	12.80	91	29508	3.061	ug/l	99
80) 1,3,5-Trimethylbenzene	12.94	105	7081	1.007	ug/l	98
83) tert-Butylbenzene	13.21	119	8516	1.365	ug/l	81
84) 1,2,4-Trimethylbenzene	13.25	105	49676	7.164	ug/l	99
85) sec-Butylbenzene	13.38	105	37989	4.452	ug/l #	70
89) n-Butylbenzene	13.82	91	10920	1.522	ug/l #	78

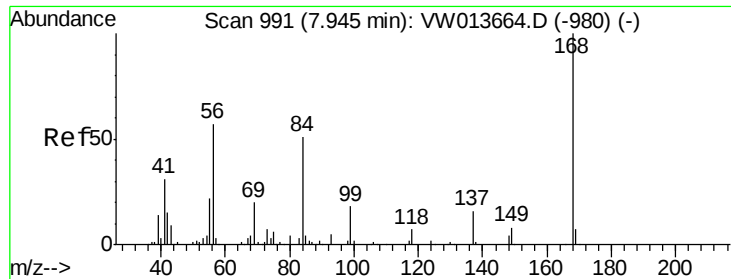
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA W\DATA\VW102819\
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QLast Update : Wed Oct 23 14:11:46 2019
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.95 min Scan# 992

Delta R.T. 0.01 min

Lab File: VW013780.D

Acq: 28 Oct 2019 21:09

Instrument :

MSVOA_W

ClientSampled :

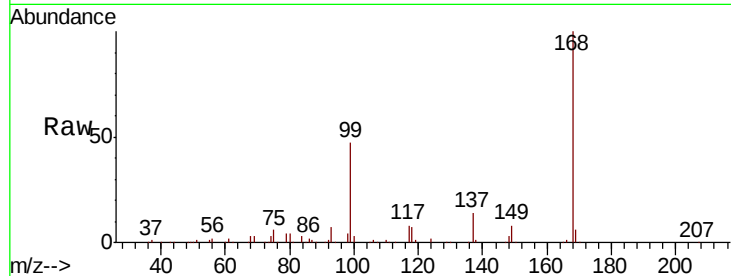
TP-2

Tot Ion:168 Resp: 247233

Ion Ratio Lower Upper

168 100

99 46.7 39.0 58.6



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW

7.95

120000

100000

80000

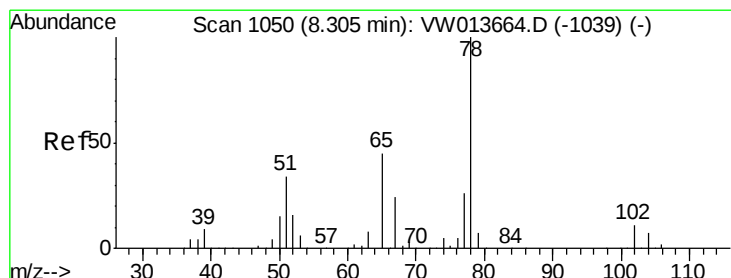
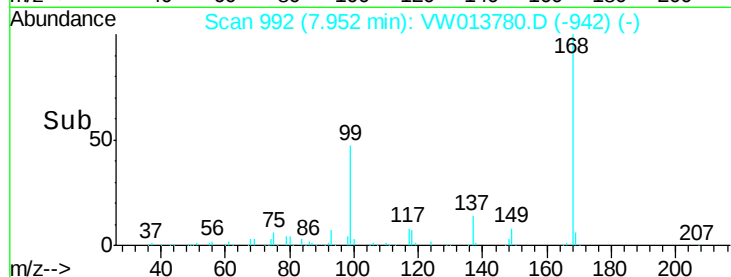
60000

40000

20000

0

Time-->



#33

1,2-Dichloroethane-d4

Concen: 58.723 ug/l

RT: 8.31 min Scan# 1050

Delta R.T. 0.00 min

Lab File: VW013780.D

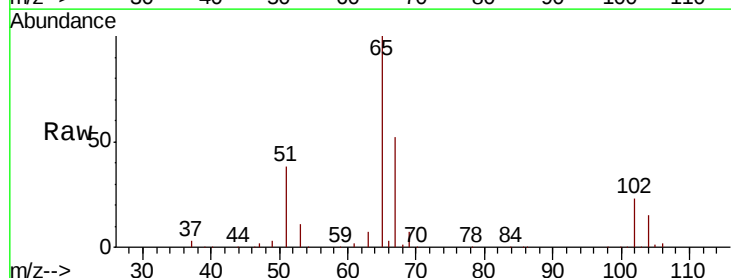
Acq: 28 Oct 2019 21:09

Tgt Ion: 65 Resp: 108910

Ion Ratio Lower Upper

65 100

67 52.4 0.0 109.4



Abundance Ion 64.90 (64.60 to 65.60): VW

Ion 66.90 (66.60 to 67.60): VW

8.31

50000

40000

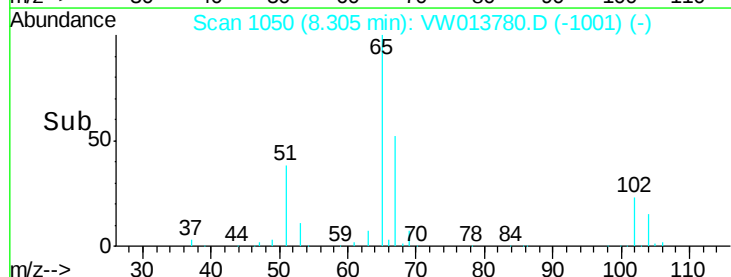
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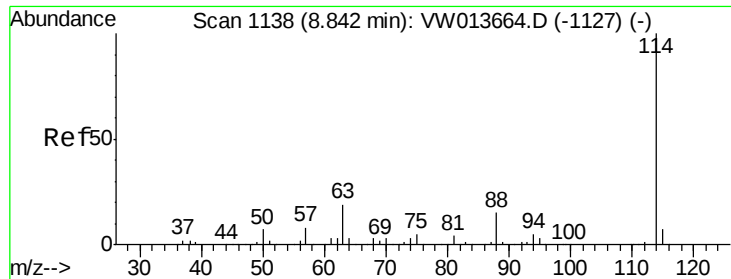
20000

10000

0

Time-->

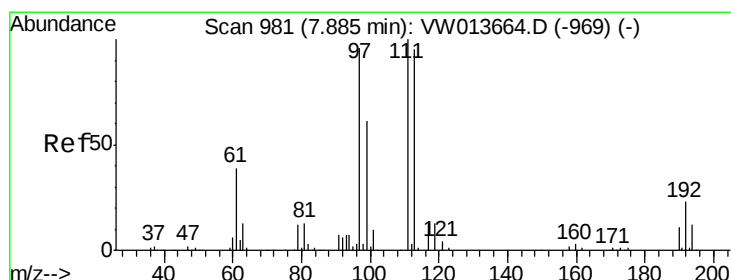
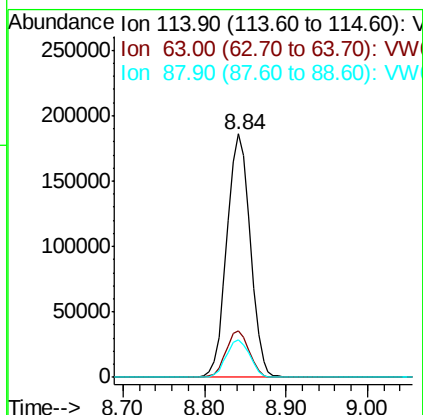
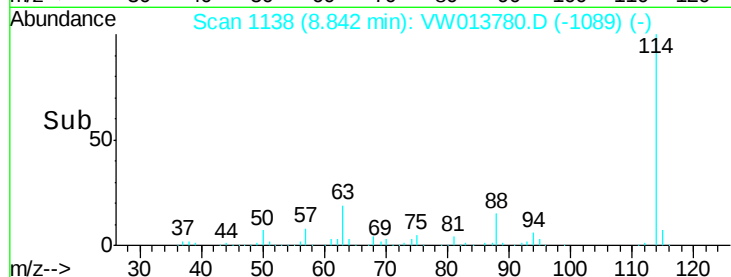
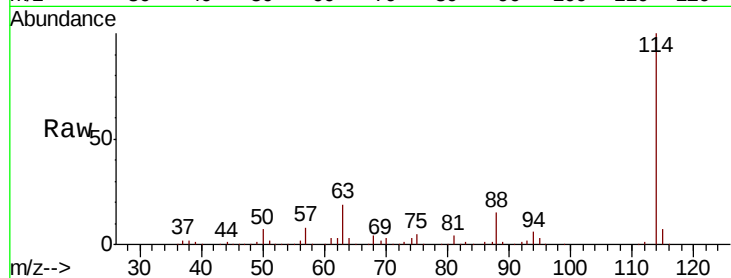




#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.84 min Scan# 1138
 Delta R.T. 0.00 min
 Lab File: VW013780.D
 Acq: 28 Oct 2019 21:09

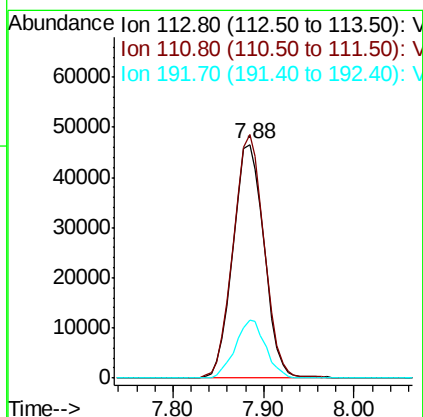
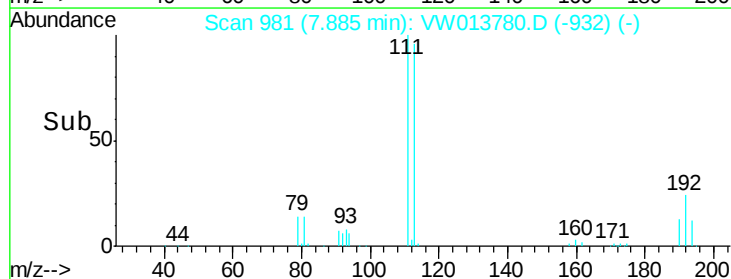
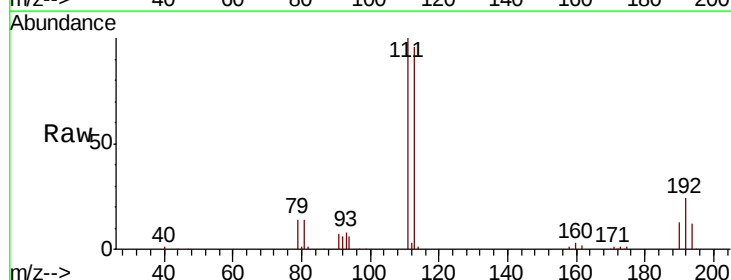
Instrument :
 MSVOA_W
 ClientSampled :
 TP-2

Tot Ion	Ratio	Lower	Upper
114	100		
63	18.9	0.0	37.6
88	15.2	0.0	30.2



#35
 Dibromofluoromethane
 Concen: 54.555 ug/l
 RT: 7.88 min Scan# 981
 Delta R.T. 0.00 min
 Lab File: VW013780.D
 Acq: 28 Oct 2019 21:09

Tgt Ion	Ratio	Lower	Upper
113	100		
111	103.0	83.0	124.6
192	24.0	19.4	29.2





#50

Toluene-d8

Concen: 50.173 ug/l

RT: 10.32 min Scan# 1381

Delta R.T. 0.00 min

Lab File: VW013780.D

Acq: 28 Oct 2019 21:09

Instrument :

MSVOA_W

ClientSampled :

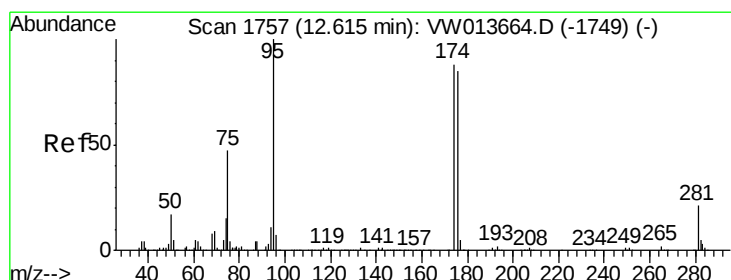
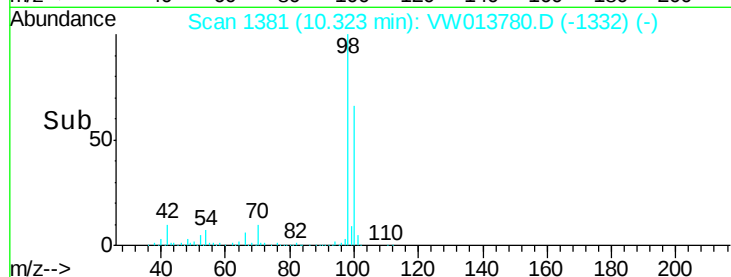
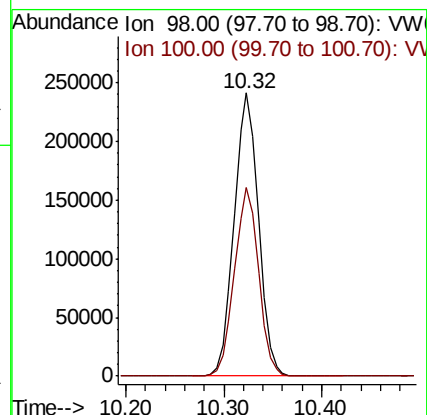
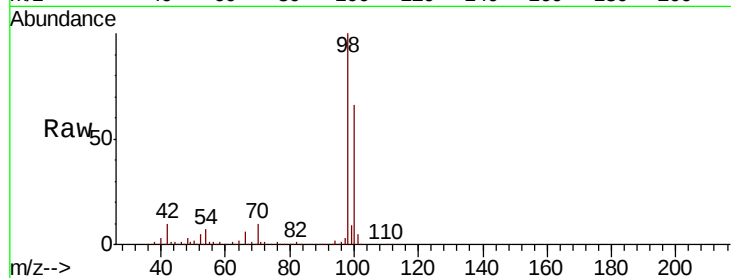
TP-2

Tot Ion: 98 Resp: 416801

Ion Ratio Lower Upper

98 100

100 66.1 53.4 80.0



#62

4-Bromofluorobenzene

Concen: 43.719 ug/l

RT: 12.62 min Scan# 1757

Delta R.T. 0.00 min

Lab File: VW013780.D

Acq: 28 Oct 2019 21:09

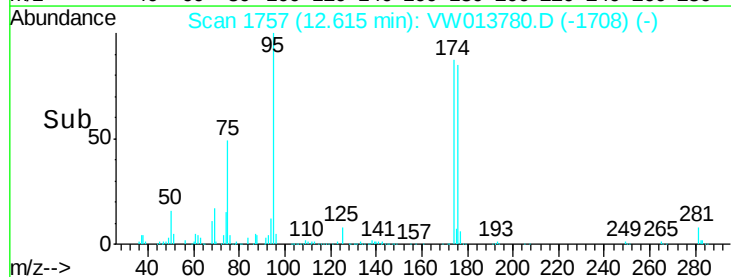
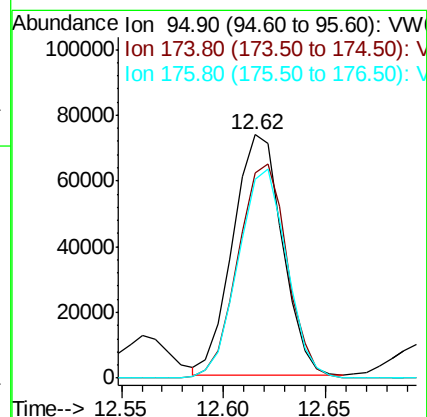
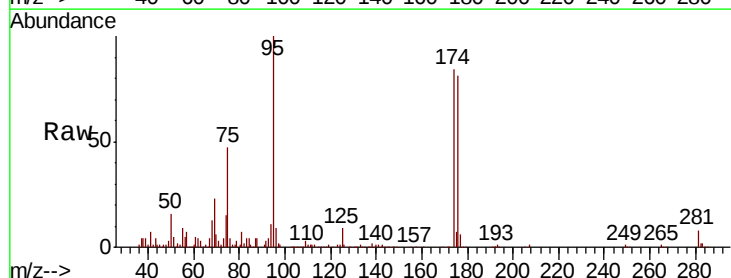
Tgt Ion: 95 Resp: 122976

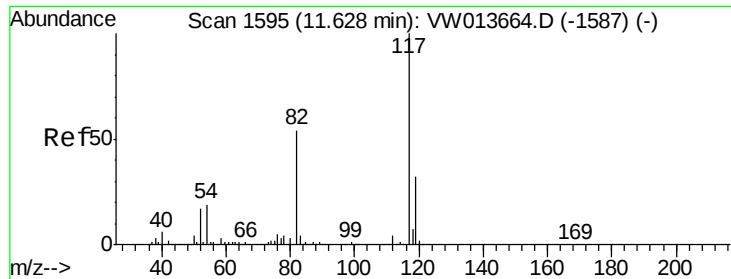
Ion Ratio Lower Upper

95 100

174 88.6 0.0 183.6

176 85.9 0.0 178.0

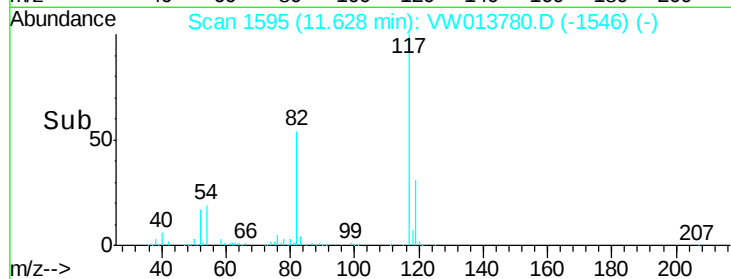
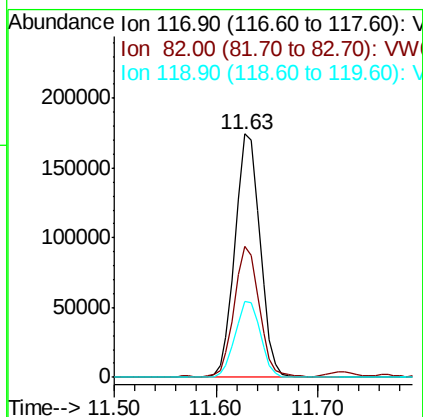
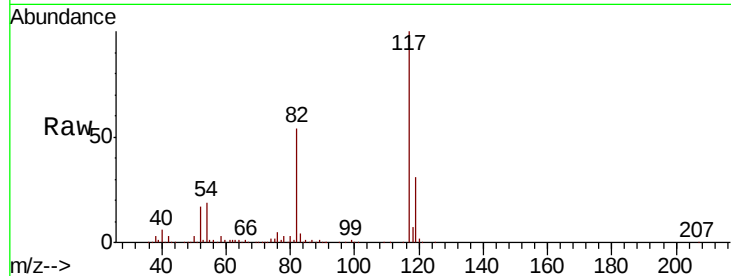




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1595
Delta R.T. 0.00 min
Lab File: VW013780.D
Acq: 28 Oct 2019 21:09

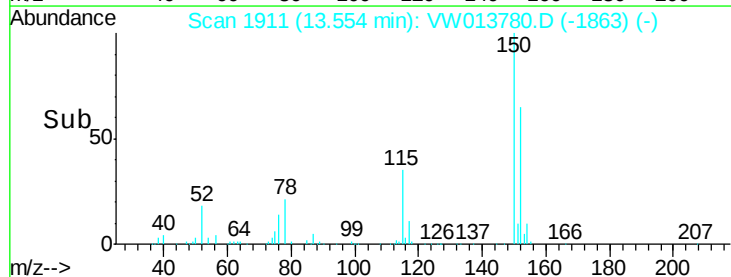
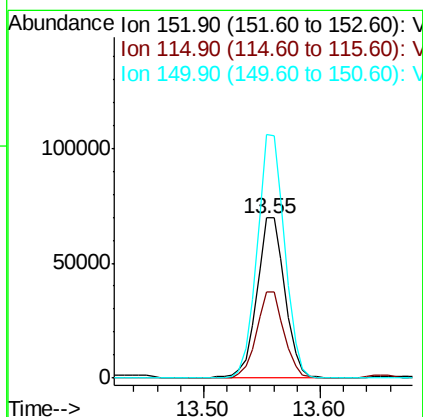
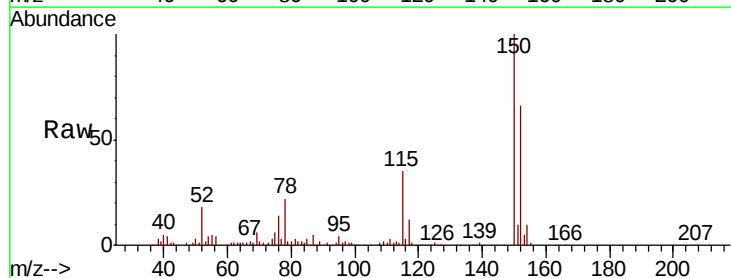
Instrument :
MSVOA_W
ClientSampleId :
TP-2

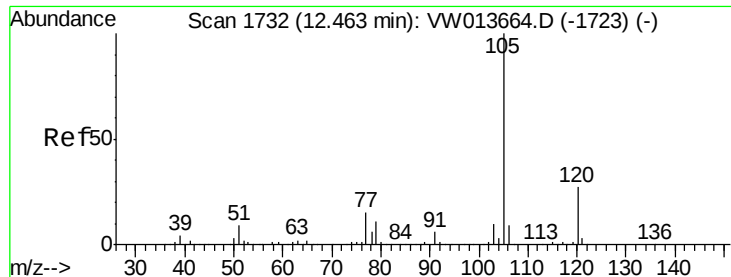
Tot Ion	Ratio	Lower	Upper
117	100		
82	53.5	43.6	65.4
119	31.2	25.4	38.2



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.55 min Scan# 1911
Delta R.T. -0.01 min
Lab File: VW013780.D
Acq: 28 Oct 2019 21:09

Tgt Ion	Ratio	Lower	Upper
152	100		
115	52.6	27.4	82.2
150	149.2	0.0	345.4





#73

Isopropylbenzene

Concen: 3.194 ug/l

RT: 12.46 min Scan# 1732

Delta R.T. 0.00 min

Lab File: VW013780.D

Acq: 28 Oct 2019 21:09

Instrument :

MSVOA_W

ClientSampled :

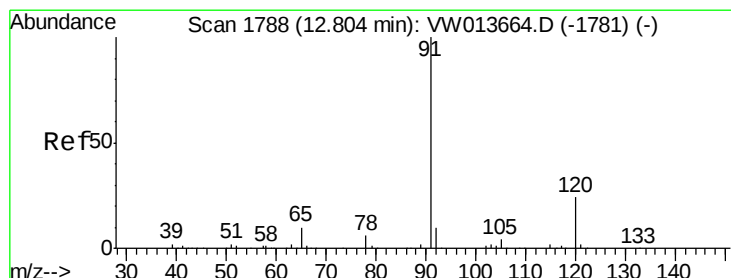
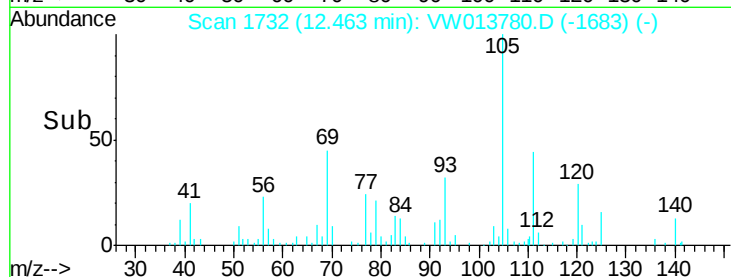
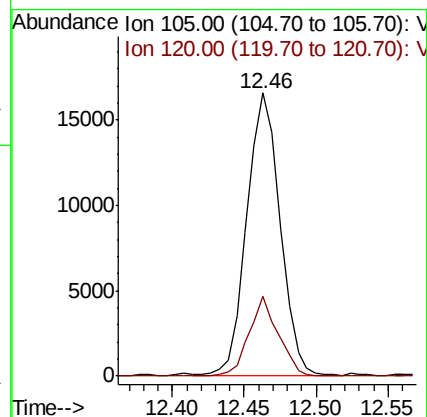
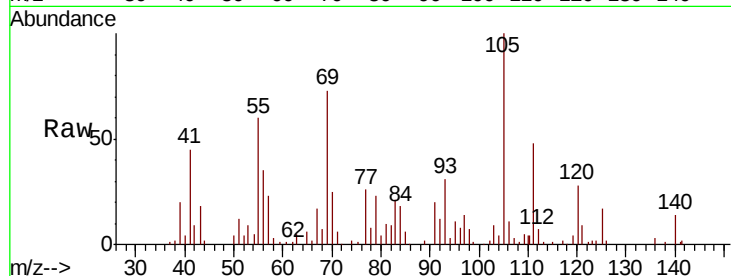
TP-2

Tot Ion: 105 Resp: 26601

Ion Ratio Lower Upper

105 100

120 24.8 13.5 40.4



#78

n-propylbenzene

Concen: 3.061 ug/l

RT: 12.80 min Scan# 1788

Delta R.T. 0.00 min

Lab File: VW013780.D

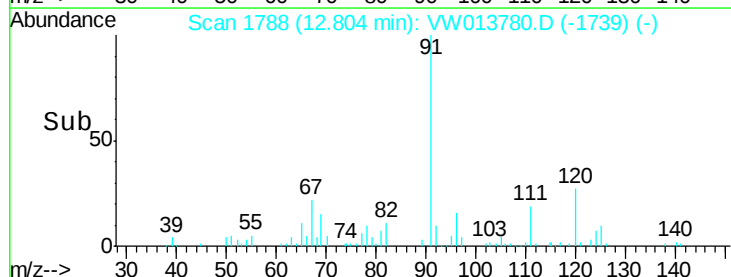
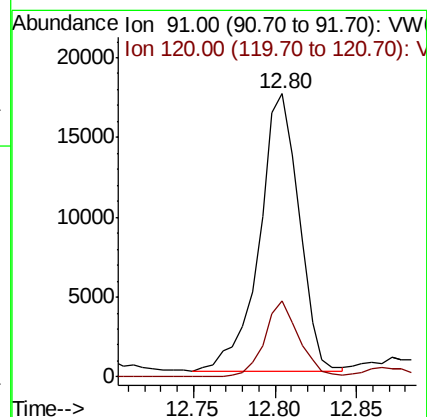
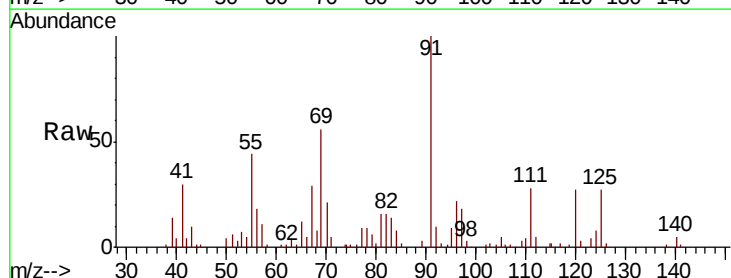
Acq: 28 Oct 2019 21:09

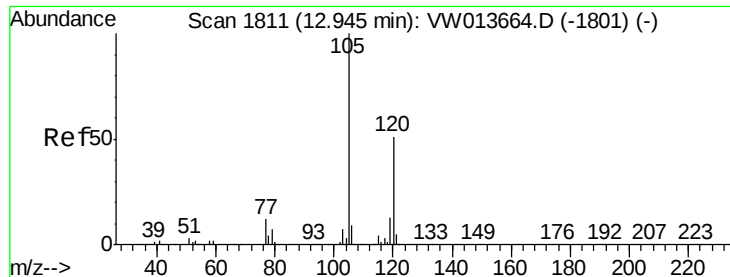
Tgt Ion: 91 Resp: 29508

Ion Ratio Lower Upper

91 100

120 23.7 12.0 36.0





#80

1,3,5-Trimethylbenzene

Concen: 1.007 ug/l

RT: 12.94 min Scan# 1810

Delta R.T. -0.01 min

Lab File: VW013780.D

Acq: 28 Oct 2019 21:09

Instrument :

MSVOA_W

ClientSampleId :

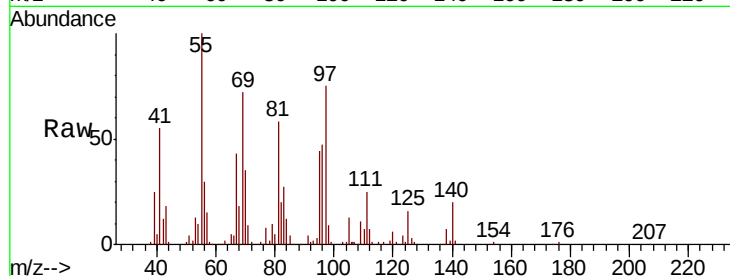
TP-2

Tot Ion:105 Resp: 7081

Ion Ratio Lower Upper

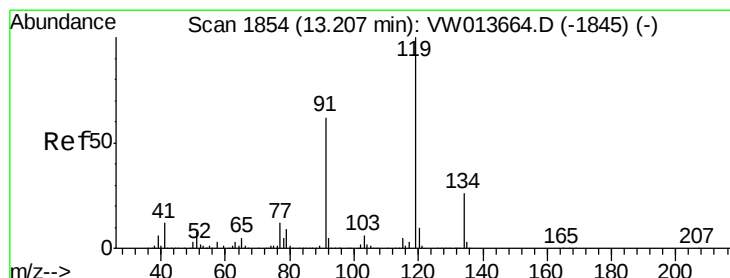
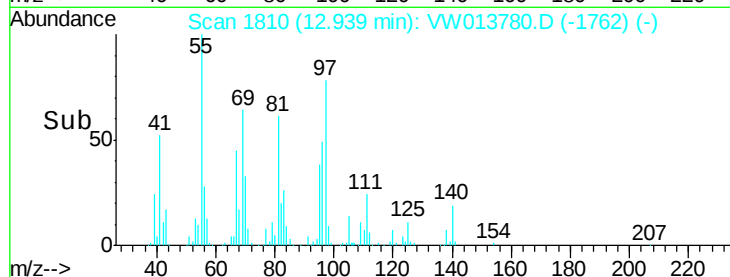
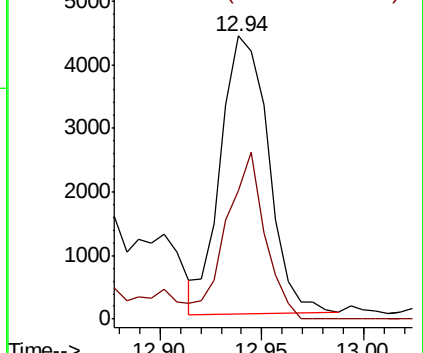
105 100

120 48.7 25.1 75.3



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#83

tert-Butylbenzene

Concen: 1.365 ug/l

RT: 13.21 min Scan# 1854

Delta R.T. 0.00 min

Lab File: VW013780.D

Acq: 28 Oct 2019 21:09

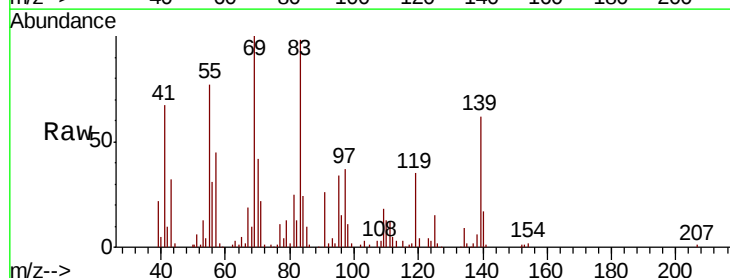
Tgt Ion:119 Resp: 8516

Ion Ratio Lower Upper

119 100

91 81.5 30.4 91.3

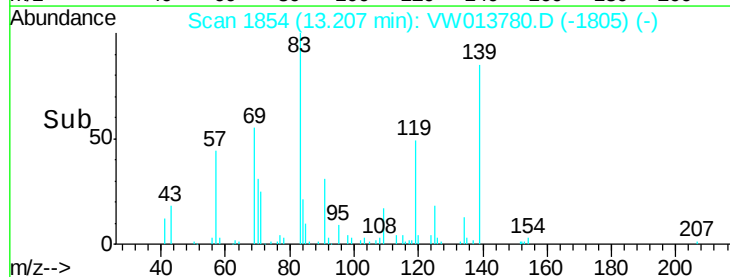
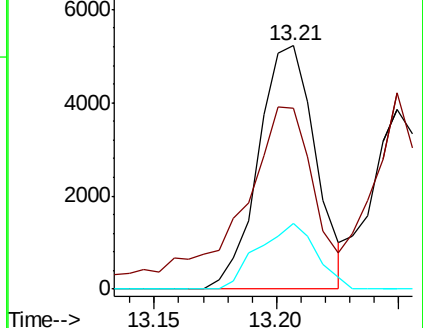
134 27.3 13.6 40.8

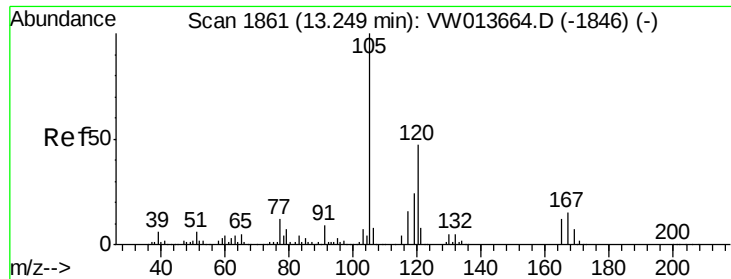


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 91.00 (90.70 to 91.70): VV

Ion 134.00 (133.70 to 134.70): V

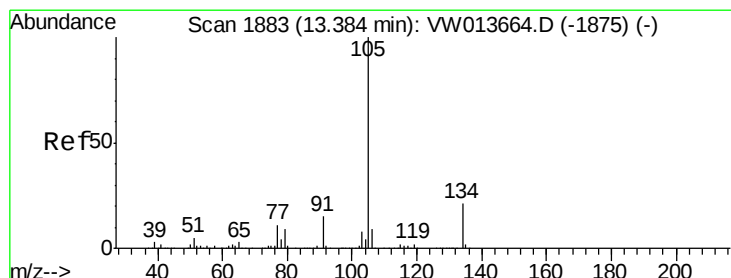
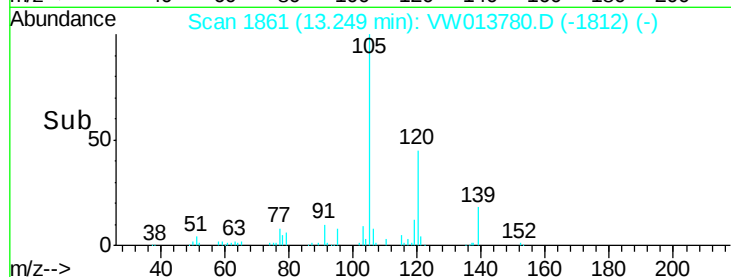
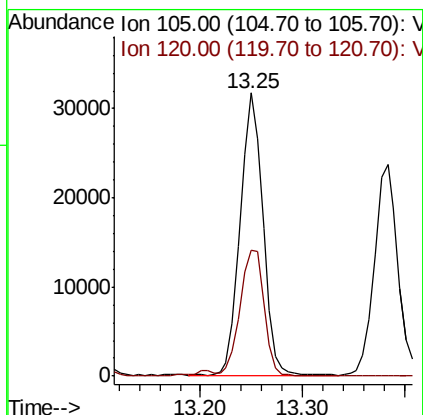
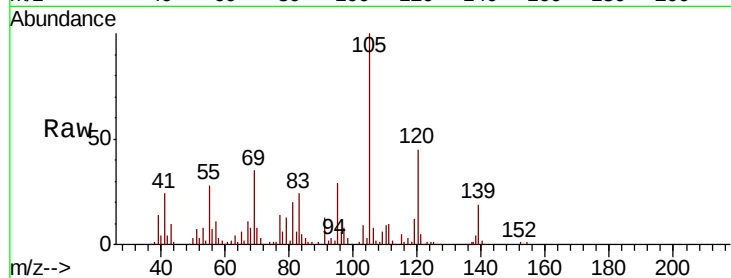




#84
1,2,4-Trimethylbenzene
Concen: 7.164 ug/l
RT: 13.25 min Scan# 1861
Delta R.T. 0.00 min
Lab File: VW013780.D
Acq: 28 Oct 2019 21:09

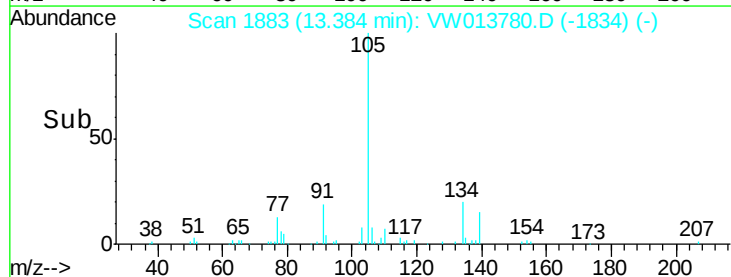
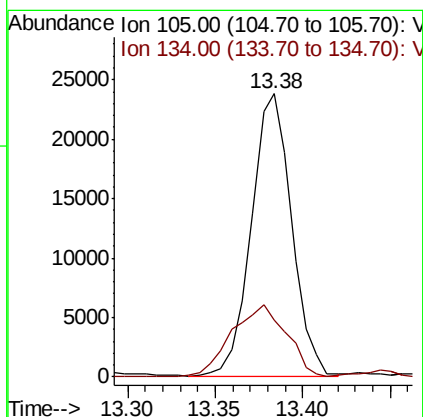
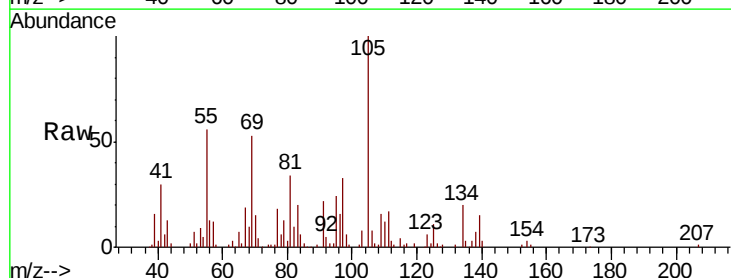
Instrument :
MSVOA_W
ClientSampled :
TP-2

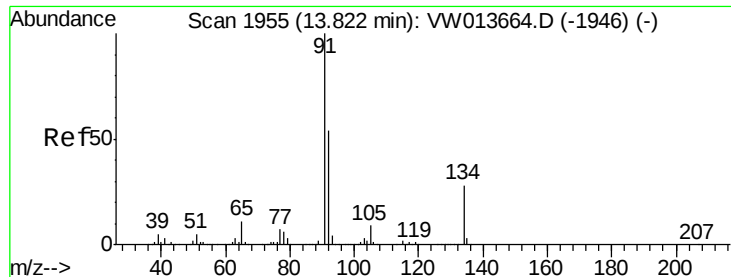
Tot Ion:105 Resp: 49676
Ion Ratio Lower Upper
105 100
120 46.4 23.5 70.5



#85
sec-Butylbenzene
Concen: 4.452 ug/l
RT: 13.38 min Scan# 1883
Delta R.T. 0.00 min
Lab File: VW013780.D
Acq: 28 Oct 2019 21:09

Tgt Ion:105 Resp: 37989
Ion Ratio Lower Upper
105 100
134 34.8 10.5 31.5#





#89

n-Butylbenzene

Concen: 1.522 ug/l

RT: 13.82 min Scan# 1955

Delta R.T. 0.00 min

Lab File: VW013780.D

Acq: 28 Oct 2019 21:09

Instrument :

MSVOA_W

ClientSampleId :

TP-2

Tot Ion: 91 Resp: 10920

Ion Ratio Lower Upper

91 100

92 50.4 27.5 82.4

134 0.0 14.0 41.9#

