

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW112118\
 Data File : VW006991.D
 Acq On : 20 Nov 2018 22:39
 Operator : SY/AP
 Sample : J5993-05RE
 Misc : 5.08G/5ML/MSVOA_W/SOIL
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 20180929-AMENDED-WCC-2-COMP

Quant Time: Nov 21 12:49:17 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W112118S.M
 Quant Title : SW846 8260
 QLast Update : Wed Nov 21 03:23:02 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	90776	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	158668	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	124002	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	39827	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.31	65	41211	46.37	ug/l	0.00
Spiked Amount	50.000		Recovery	=	92.74%	
35) Dibromofluoromethane	7.89	113	123	0.14	ug/l	0.00
Spiked Amount	50.000		Recovery	=	0.28%	
50) Toluene-d8	10.32	98	148519	37.54	ug/l	0.00
Spiked Amount	50.000		Recovery	=	75.08%	
62) 4-Bromofluorobenzene	12.62	95	47936	30.79	ug/l	0.00
Spiked Amount	50.000		Recovery	=	61.58%	

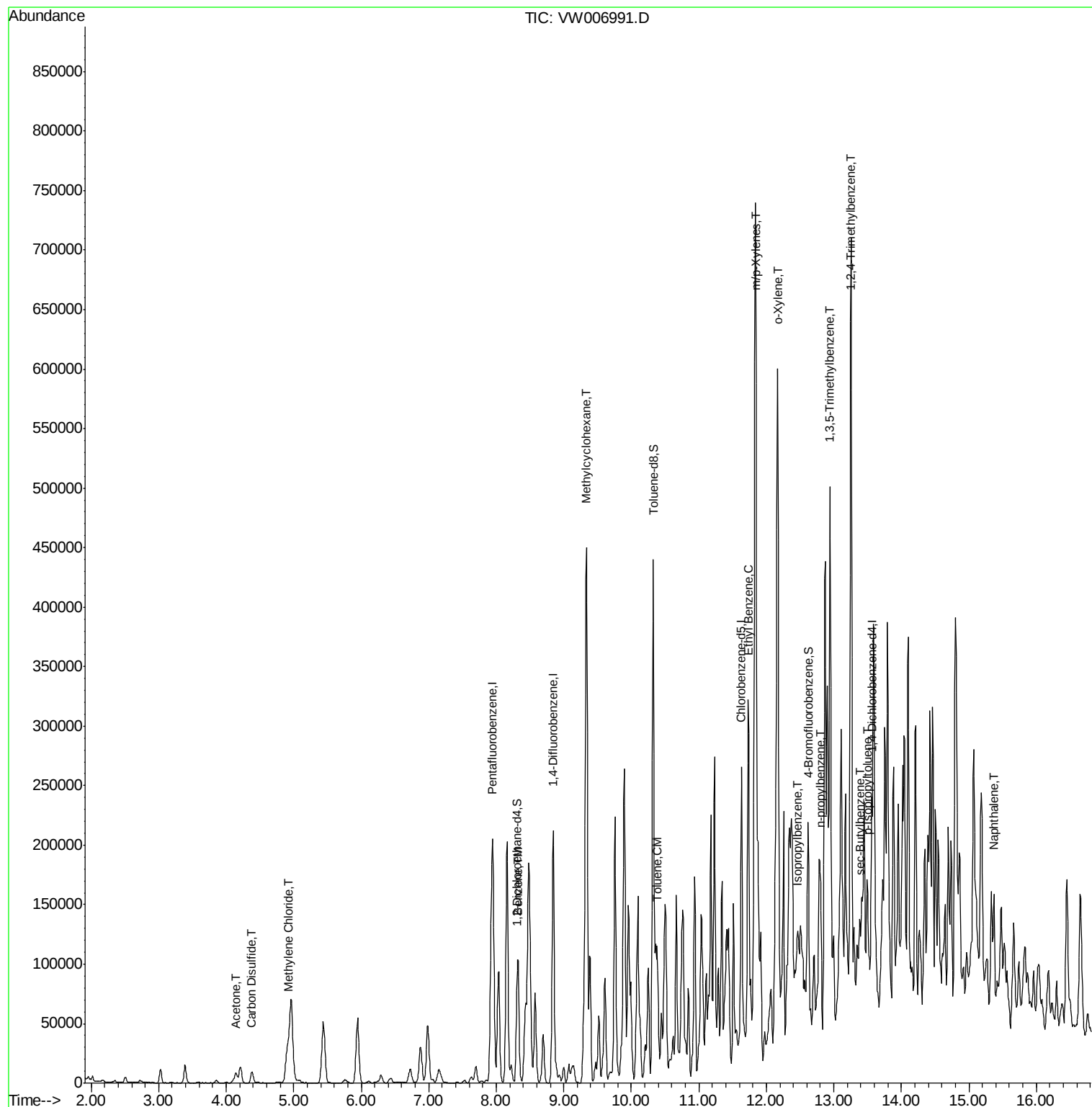
Target Compounds					Qvalue	
16) Acetone	4.15	43	17243	133.63	ug/l	99
17) Carbon Disulfide	4.39	76	19563	7.36	ug/l #	94
20) Methylene Chloride	4.92	84	13078	8.20	ug/l	97
39) Methylcyclohexane	9.34	83	167673	86.41	ug/l	94
40) Benzene	8.32	78	74662	17.84	ug/l	100
52) Toluene	10.39	92	43596	15.31	ug/l	99
67) Ethyl Benzene	11.73	91	187860	39.51	ug/l	99
68) m/p-Xylenes	11.84	106	222410	119.23	ug/l	99
69) o-Xylene	12.17	106	143202	81.42	ug/l	98
73) Isopropylbenzene	12.47	105	29559	9.55	ug/l	99
78) n-propylbenzene	12.80	91	79891	21.31	ug/l	98
80) 1,3,5-Trimethylbenzene	12.94	105	161668	60.40	ug/l	99
84) 1,2,4-Trimethylbenzene	13.26	105	359180	134.69	ug/l	99
85) sec-Butylbenzene	13.39	105	26811	8.19	ug/l #	60
86) p-Isopropyltoluene	13.50	119	29123	10.08	ug/l	97
95) Naphthalene	15.37	128	69820	49.05	ug/l #	95

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

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA_W\DATA\VW112118\
Data File : VW006991.D
Acq On : 20 Nov 2018 22:39
Operator : SY/AP
Sample : J5993-05RE
Misc : 5.08G/5ML/MSVOA_W/SOIL
ALS Vial : 23 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
20180929-AMENDED-WCC-2-COMP

Quant Time: Nov 21 12:49:17 2018
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_W\METHOD\82W112118S.M
Quant Title : SW846 8260
QLast Update : Wed Nov 21 03:23:02 2018
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 7.95 min Scan# 992

Delta R.T. -0.00 min

Lab File: VW006991.D

Acq: 20 Nov 2018 22:39

Instrument :

MSVOA_W

ClientSampleId :

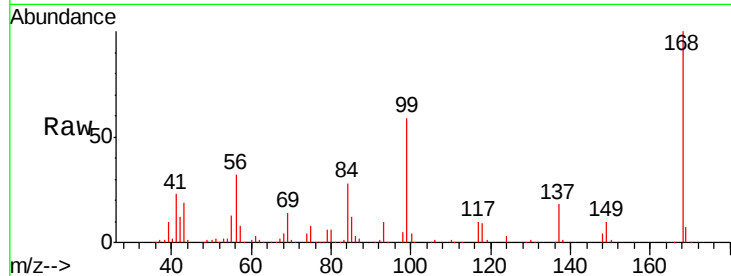
20180929-AMENDED-WCC-2-COMP

Tgt Ion:168 Resp: 90776

Ion Ratio Lower Upper

168 100

99 59.1 48.2 72.4



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW

7.95

40000

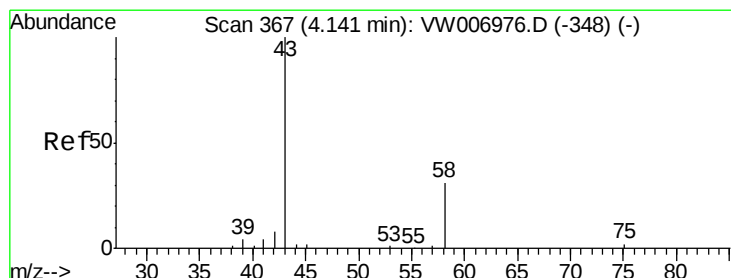
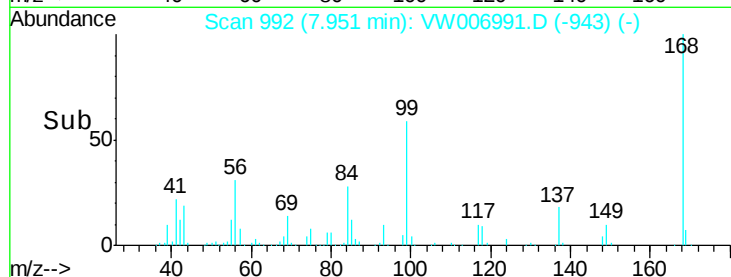
30000

20000

10000

0

Time-->



#16

Acetone

Concen: 133.63 ug/l

RT: 4.15 min Scan# 368

Delta R.T. 0.01 min

Lab File: VW006991.D

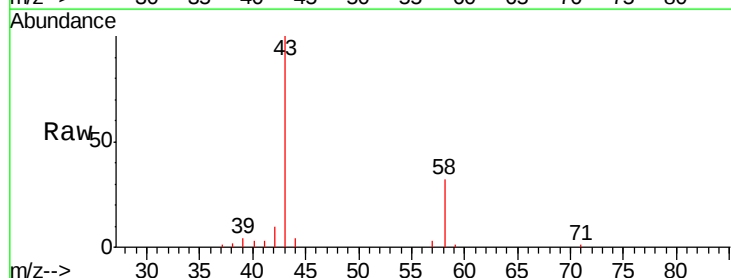
Acq: 20 Nov 2018 22:39

Tgt Ion: 43 Resp: 17243

Ion Ratio Lower Upper

43 100

58 31.6 24.8 37.2



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW

4.15

6000

5000

4000

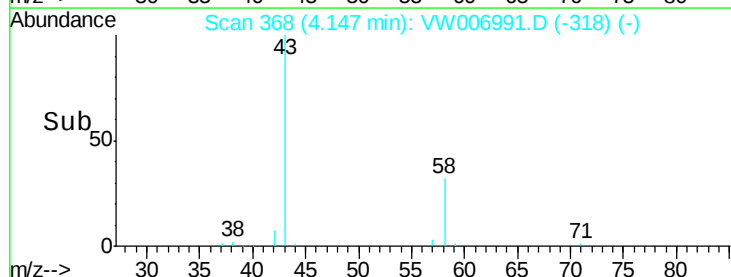
3000

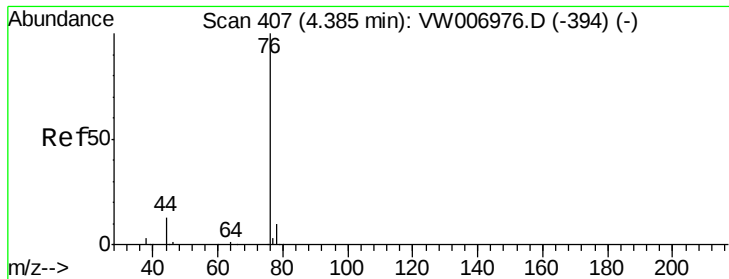
2000

1000

0

Time-->





#17

Carbon Disulfide

Concen: 7.36 ug/l

RT: 4.39 min Scan# 407

Delta R.T. -0.00 min

Lab File: VW006991.D

Acq: 20 Nov 2018 22:39

Instrument :

MSVOA_W

ClientSampleId :

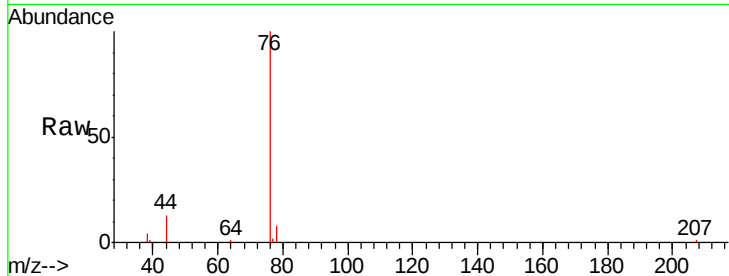
20180929-AMENDED-WCC-2-COMP

Tgt Ion: 76 Resp: 19563

Ion Ratio Lower Upper

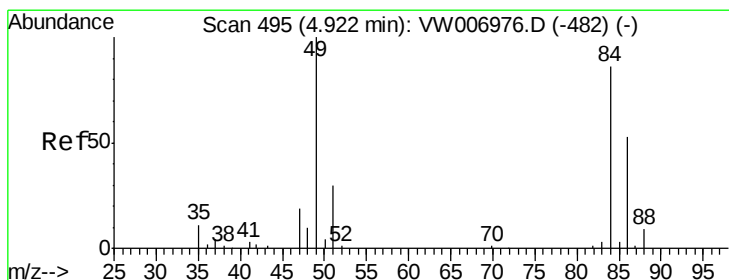
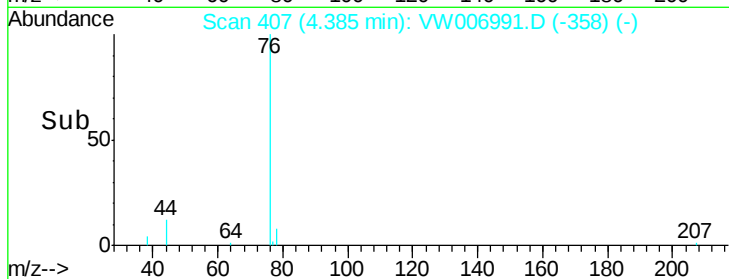
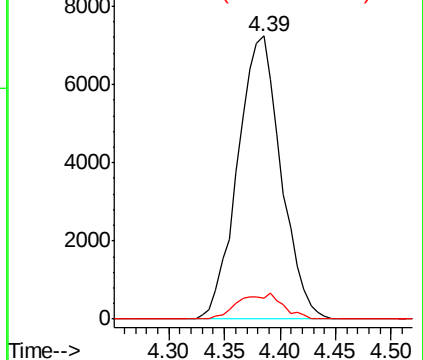
76 100

78 7.6 7.8 11.6#



Abundance Ion 75.90 (75.60 to 76.60): VW

Ion 77.90 (77.60 to 78.60): VW



#20

Methylene Chloride

Concen: 8.20 ug/l

RT: 4.92 min Scan# 495

Delta R.T. 0.00 min

Lab File: VW006991.D

Acq: 20 Nov 2018 22:39

Tgt Ion: 84 Resp: 13078

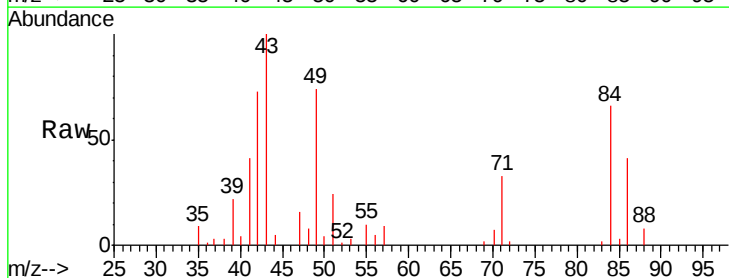
Ion Ratio Lower Upper

84 100

49 111.8 93.4 140.0

51 35.8 28.4 42.6

86 60.8 49.8 74.8

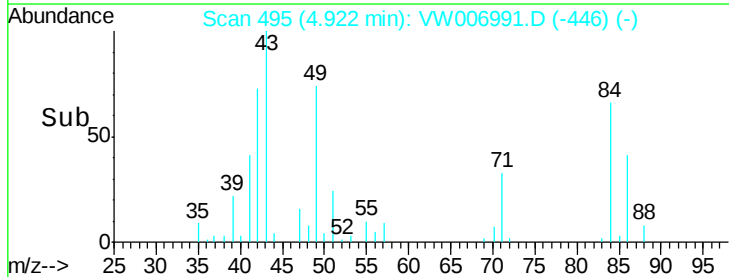
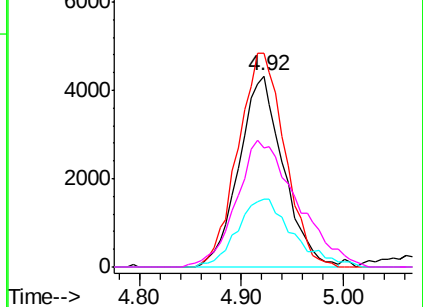


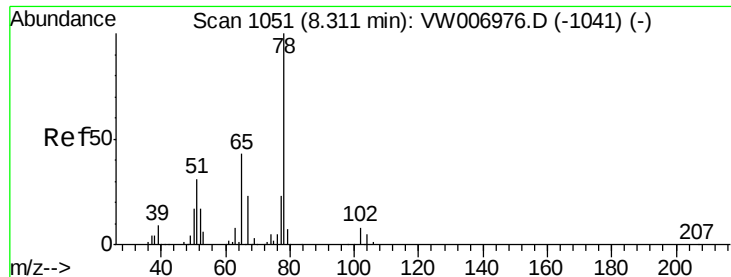
Abundance Ion 83.90 (83.60 to 84.60): VW

Ion 48.90 (48.60 to 49.60): VW

Ion 50.90 (50.60 to 51.60): VW

Ion 85.90 (85.60 to 86.60): VW





#33

1,2-Dichloroethane-d4

Concen: 46.37 ug/l

RT: 8.31 min Scan# 1050

Delta R.T. -0.01 min

Lab File: VW006991.D

Acq: 20 Nov 2018 22:39

Instrument :

MSVOA_W

ClientSampleId :

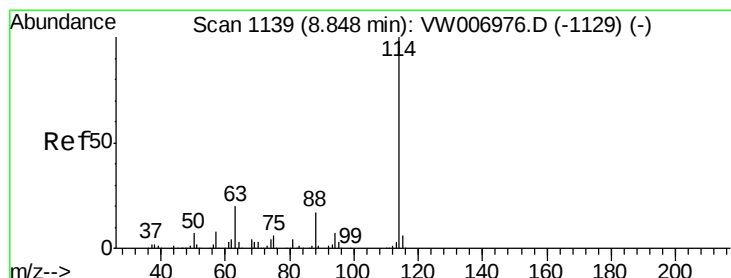
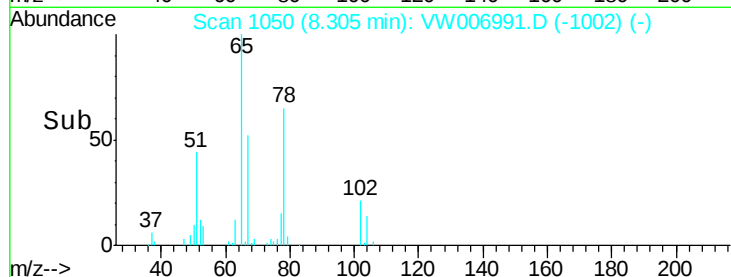
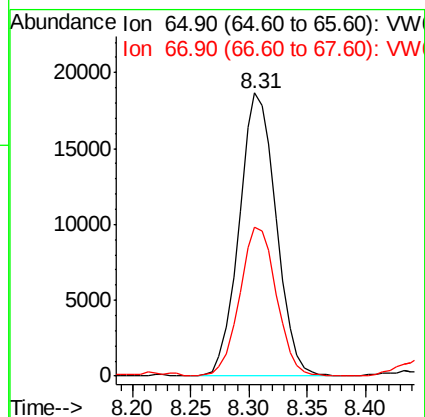
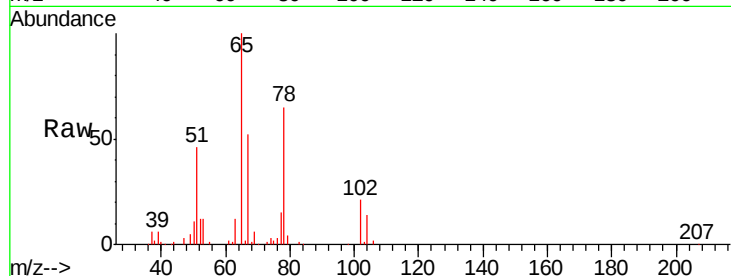
20180929-AMENDED-WCC-2-COMP

Tgt Ion: 65 Resp: 41211

Ion Ratio Lower Upper

65 100

67 52.5 0.0 106.2



#34

1,4-Difluorobenzene

Concen: 50.00 ug/l

RT: 8.84 min Scan# 1138

Delta R.T. -0.01 min

Lab File: VW006991.D

Acq: 20 Nov 2018 22:39

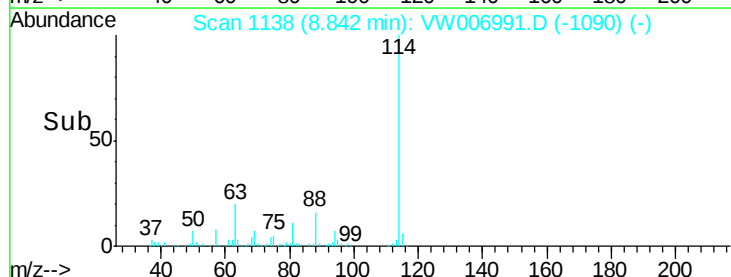
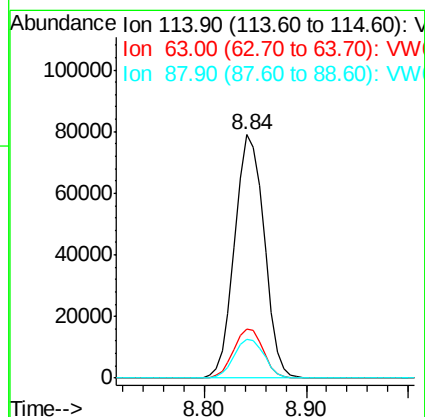
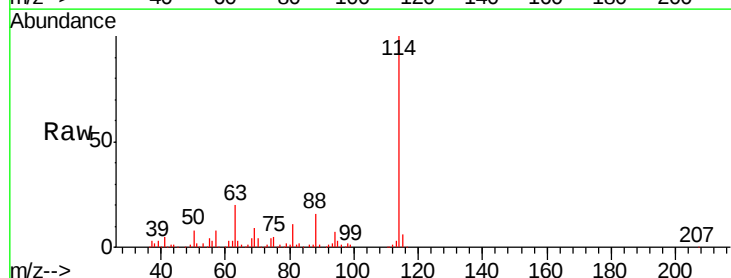
Tgt Ion: 114 Resp: 158668

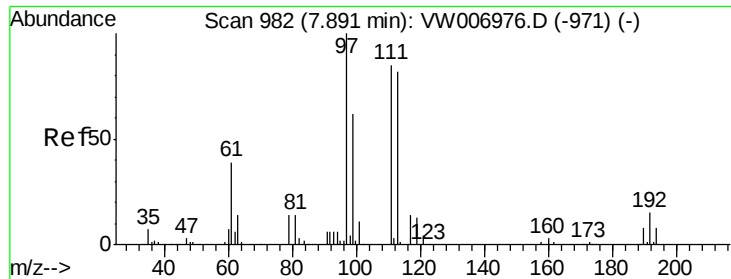
Ion Ratio Lower Upper

114 100

63 20.3 0.0 39.4

88 16.0 0.0 34.2

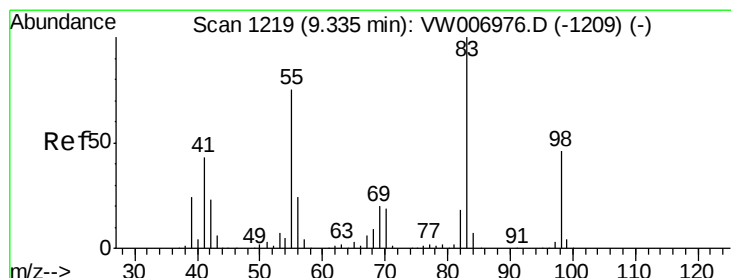
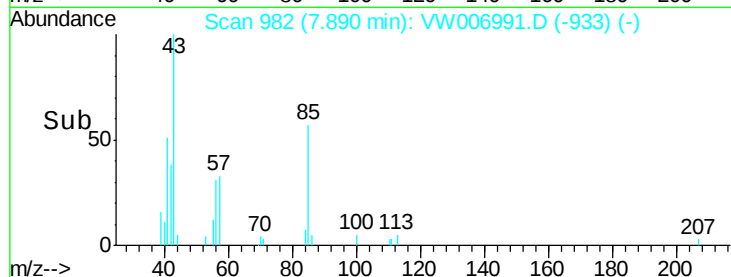
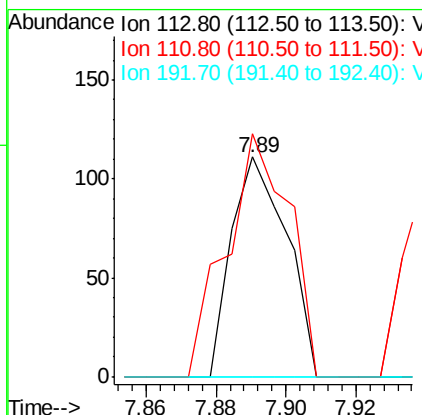
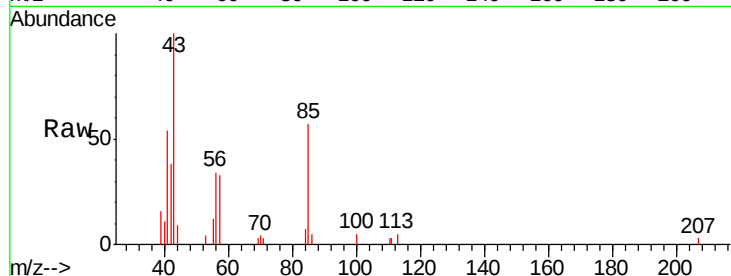




#35
Dibromofluoromethane
Concen: 0.14 ug/l
RT: 7.89 min Scan# 982
Delta R.T. -0.00 min
Lab File: VW006991.D
Acq: 20 Nov 2018 22:39

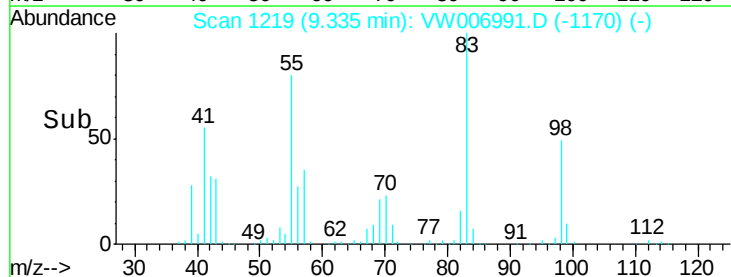
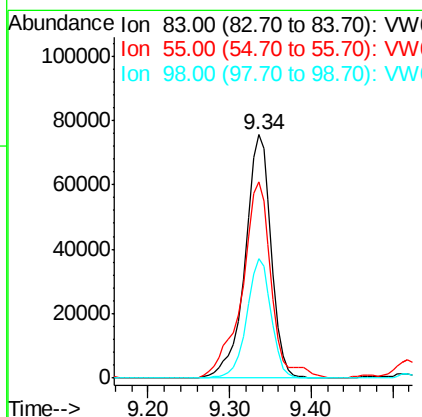
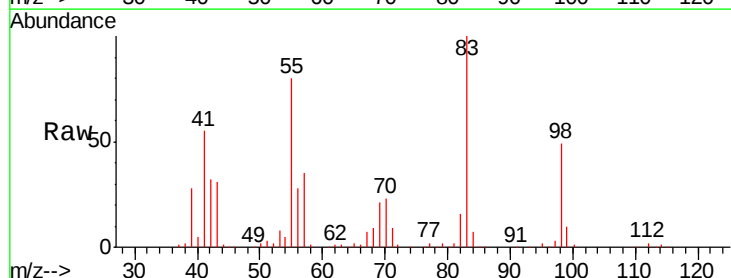
Instrument :
MSVOA_W
ClientSampleId :
20180929-AMENDED-WCC-2-COMP

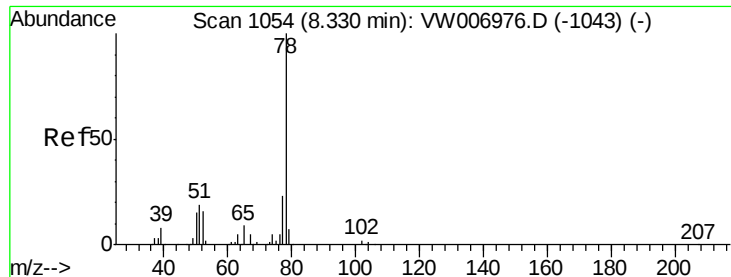
Tgt Ion:113 Resp: 123
Ion Ratio Lower Upper
113 100
111 125.2 81.0 121.6#
192 0.0 15.0 22.6#



#39
Methylcyclohexane
Concen: 86.41 ug/l
RT: 9.34 min Scan# 1219
Delta R.T. -0.00 min
Lab File: VW006991.D
Acq: 20 Nov 2018 22:39

Tgt Ion: 83 Resp: 167673
Ion Ratio Lower Upper
83 100
55 80.4 59.6 89.4
98 48.9 37.1 55.7





#40

Benzene

Concen: 17.84 ug/l

RT: 8.32 min Scan# 1053

Delta R.T. -0.01 min

Lab File: VW006991.D

Acq: 20 Nov 2018 22:39

Instrument :

MSVOA_W

ClientSampleId :

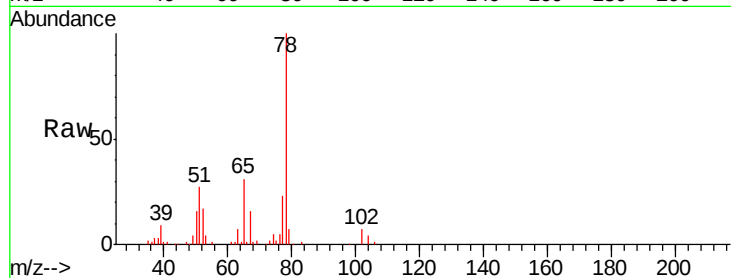
20180929-AMENDED-WCC-2-COMP

Tgt Ion: 78 Resp: 74662

Ion Ratio Lower Upper

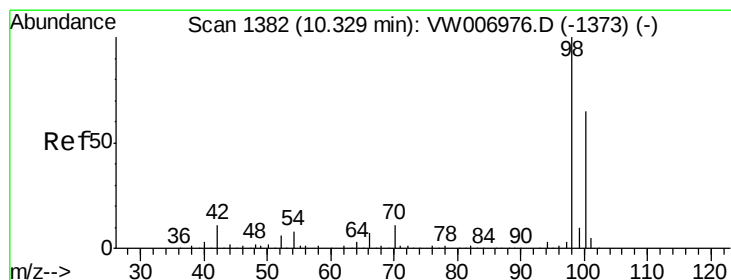
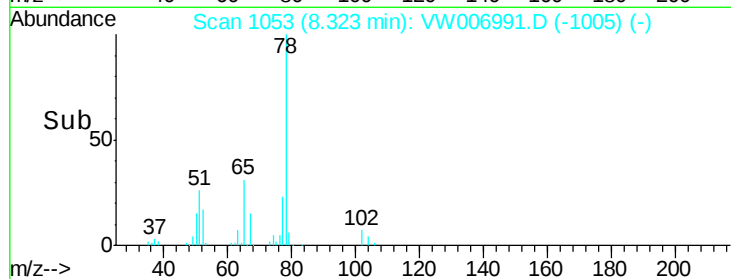
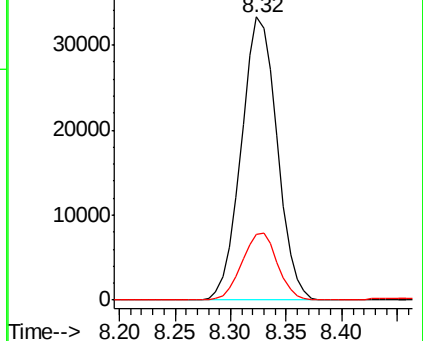
78 100

77 23.3 18.6 28.0



Abundance Ion 78.00 (77.70 to 78.70): VW

Ion 77.00 (76.70 to 77.70): VW



#50

Toluene-d8

Concen: 37.54 ug/l

RT: 10.32 min Scan# 1381

Delta R.T. -0.01 min

Lab File: VW006991.D

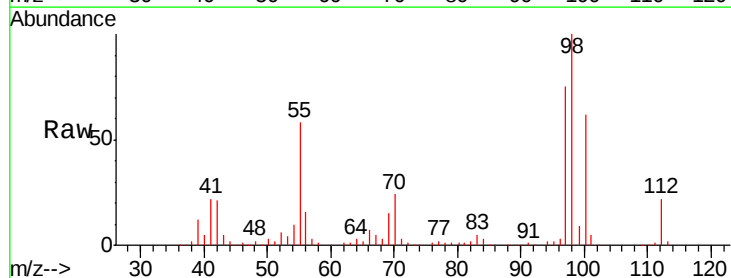
Acq: 20 Nov 2018 22:39

Tgt Ion: 98 Resp: 148519

Ion Ratio Lower Upper

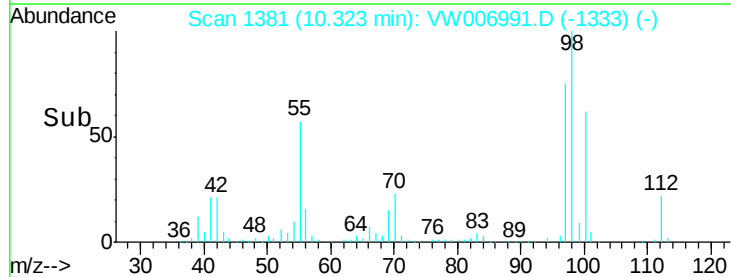
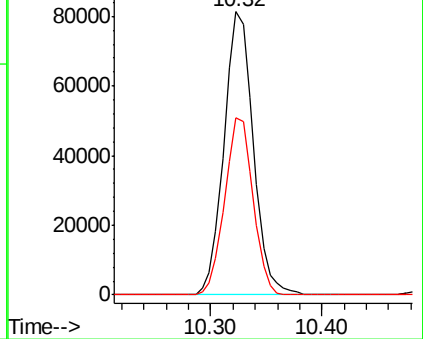
98 100

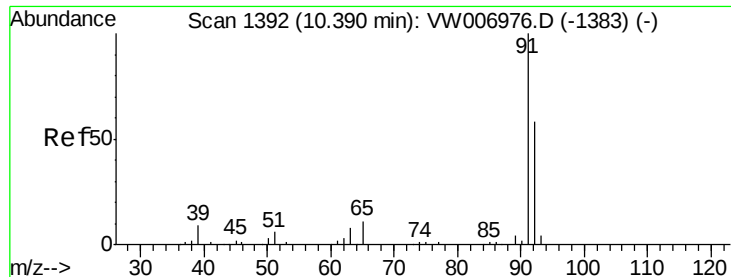
100 60.5 52.2 78.2



Abundance Ion 98.00 (97.70 to 98.70): VW

Ion 100.00 (99.70 to 100.70): VW





#52

Toluene

Concen: 15.31 ug/l

RT: 10.39 min Scan# 1392

Delta R.T. -0.00 min

Lab File: VW006991.D

Acq: 20 Nov 2018 22:39

Instrument :

MSVOA_W

ClientSampleId :

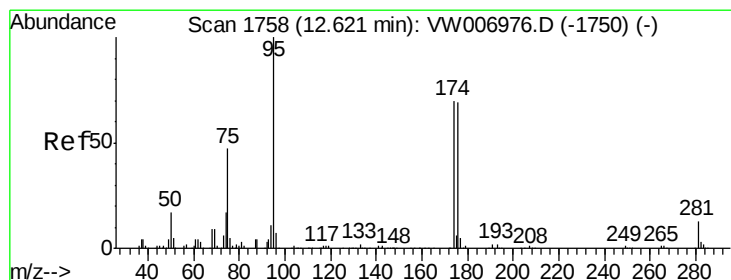
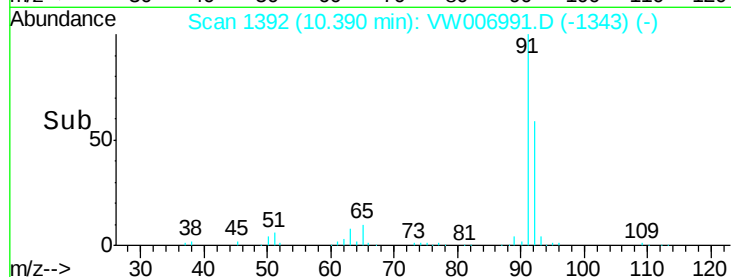
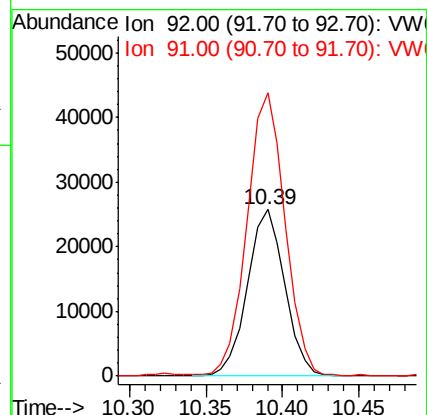
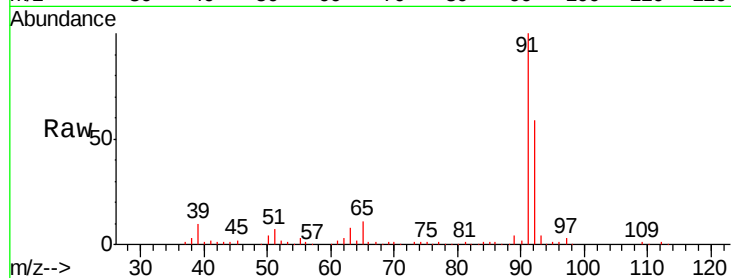
20180929-AMENDED-WCC-2-COMP

Tgt Ion: 92 Resp: 43596

Ion Ratio Lower Upper

92 100

91 172.6 137.3 205.9



#62

4-Bromofluorobenzene

Concen: 30.79 ug/l

RT: 12.62 min Scan# 1758

Delta R.T. -0.00 min

Lab File: VW006991.D

Acq: 20 Nov 2018 22:39

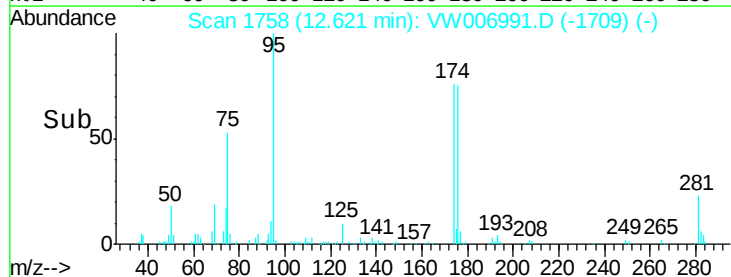
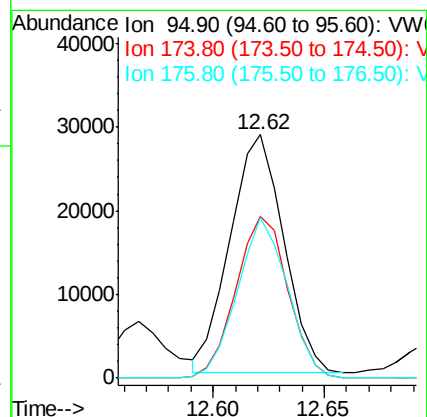
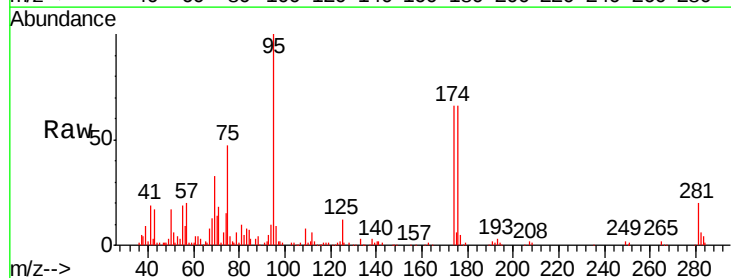
Tgt Ion: 95 Resp: 47936

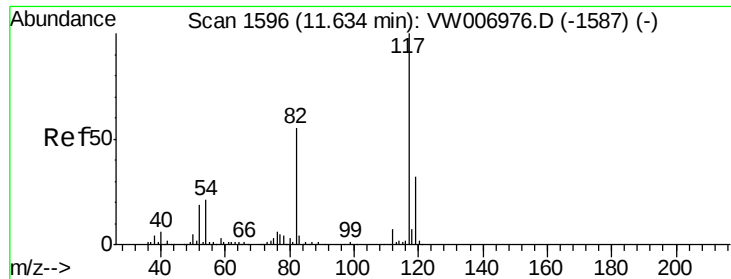
Ion Ratio Lower Upper

95 100

174 65.4 0.0 143.6

176 62.5 0.0 140.4

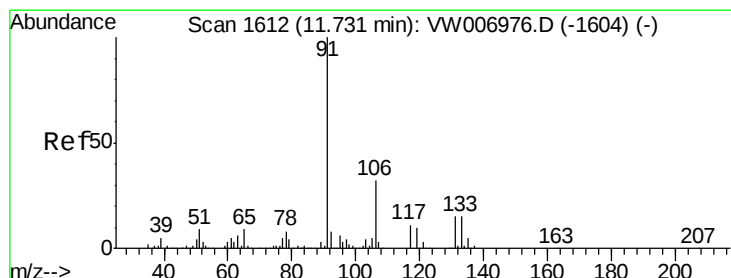
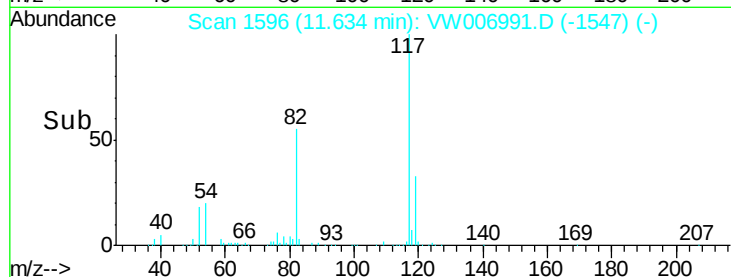
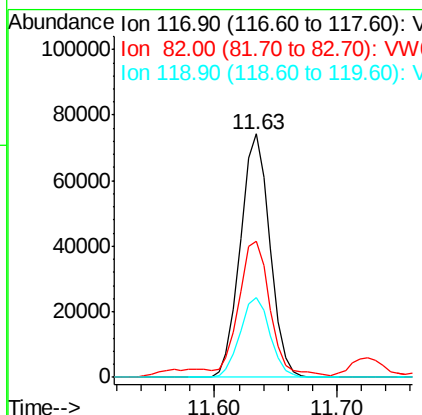
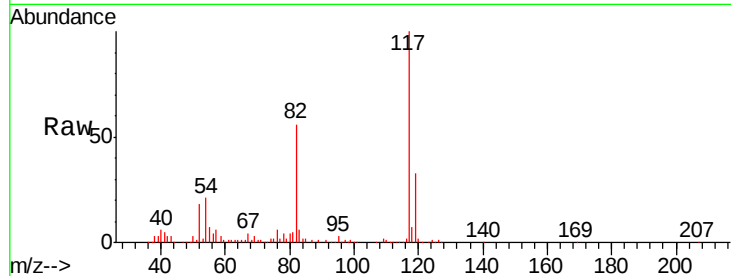




#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 11.63 min Scan# 1596
Delta R.T. -0.00 min
Lab File: VW006991.D
Acq: 20 Nov 2018 22:39

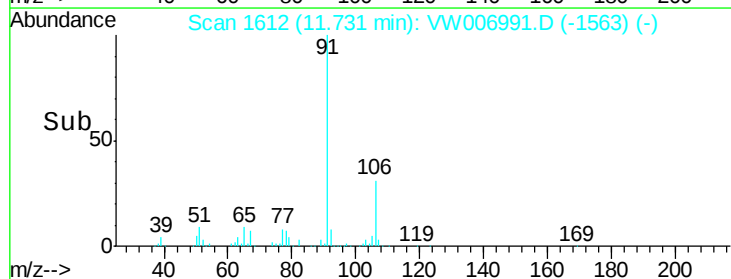
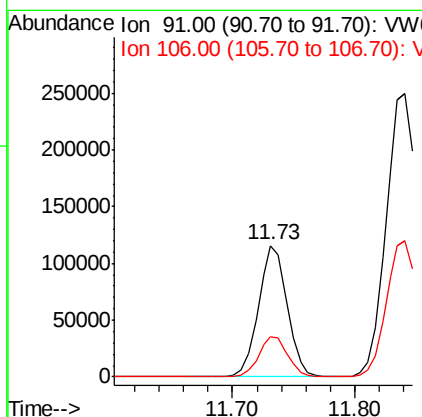
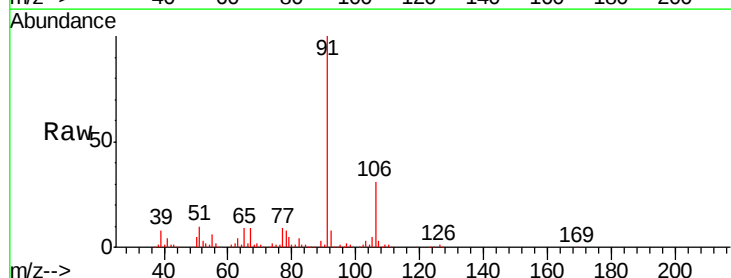
Instrument :
MSVOA_W
ClientSampleId :
20180929-AMENDED-WCC-2-COMP

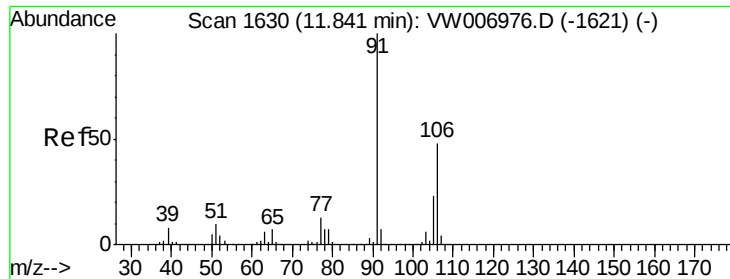
Tgt Ion: 117 Resp: 124002
Ion Ratio Lower Upper
117 100
82 54.6 44.2 66.2
119 32.9 25.9 38.9



#67
Ethyl Benzene
Concen: 39.51 ug/l
RT: 11.73 min Scan# 1612
Delta R.T. -0.00 min
Lab File: VW006991.D
Acq: 20 Nov 2018 22:39

Tgt Ion: 91 Resp: 187860
Ion Ratio Lower Upper
91 100
106 31.0 25.4 38.2

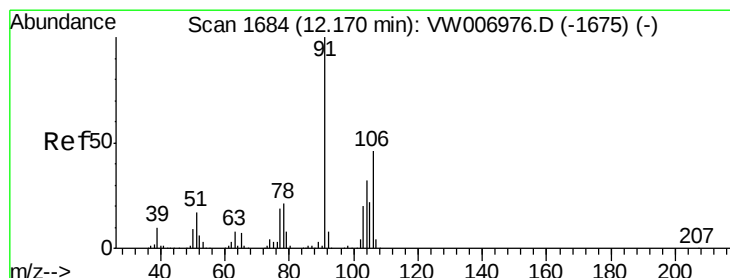
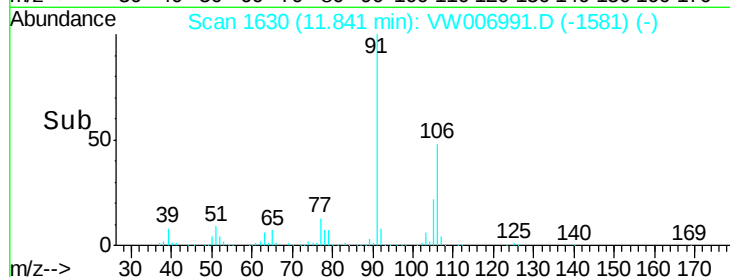
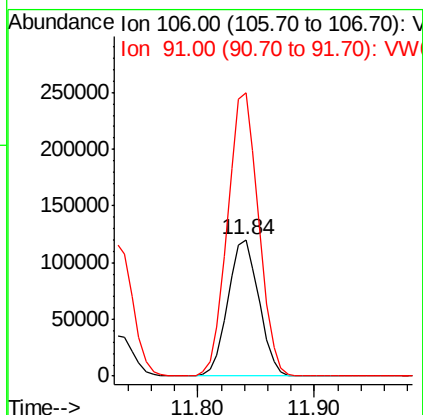
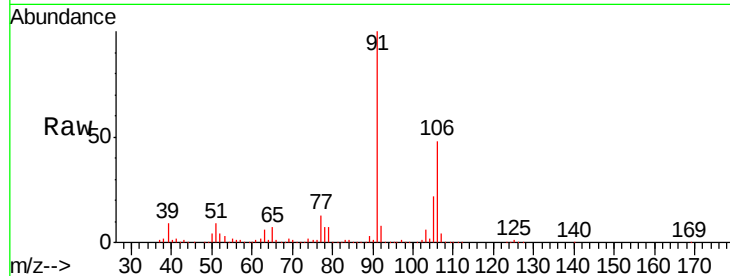




#68
m/p-Xylenes
Concen: 119.23 ug/l
RT: 11.84 min Scan# 1630
Delta R.T. -0.00 min
Lab File: VW006991.D
Acq: 20 Nov 2018 22:39

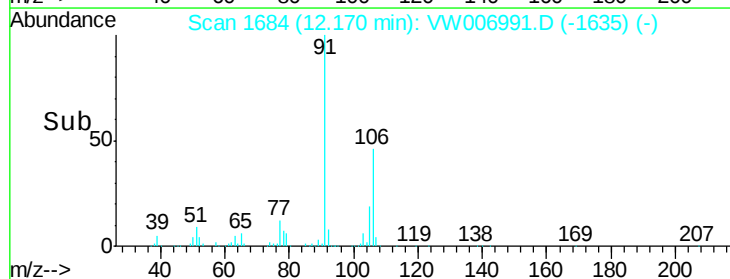
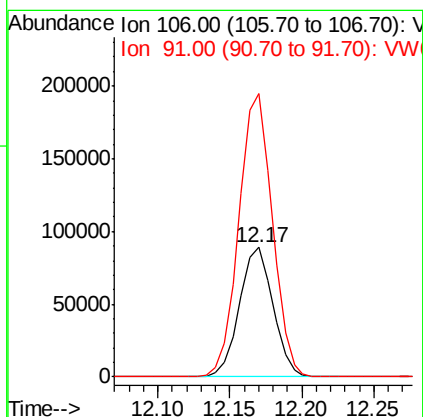
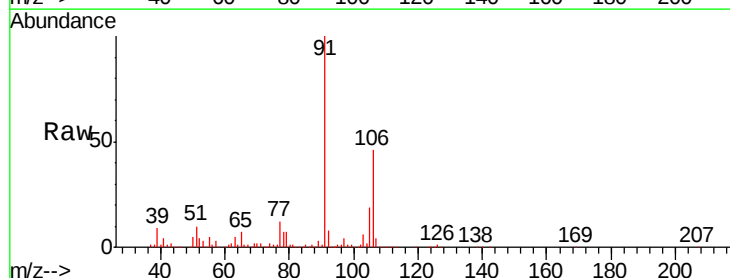
Instrument :
MSVOA_W
ClientSampleId :
20180929-AMENDED-WCC-2-COMP

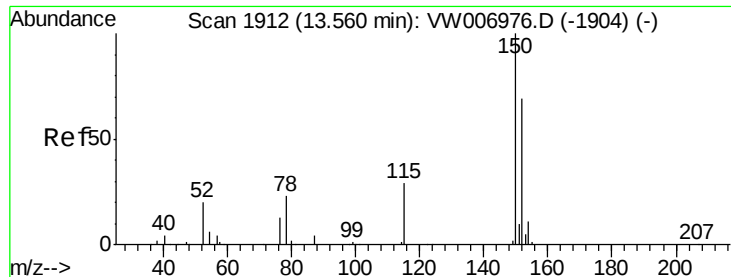
Tgt Ion:106 Resp: 222410
Ion Ratio Lower Upper
106 100
91 207.9 164.8 247.2



#69
o-Xylene
Concen: 81.42 ug/l
RT: 12.17 min Scan# 1684
Delta R.T. -0.00 min
Lab File: VW006991.D
Acq: 20 Nov 2018 22:39

Tgt Ion:106 Resp: 143202
Ion Ratio Lower Upper
106 100
91 219.4 107.9 323.8





#72

1,4-Dichlorobenzene-d4

Concen: 50.00 ug/l

RT: 13.56 min Scan# 1912

Delta R.T. -0.00 min

Lab File: VW006991.D

Acq: 20 Nov 2018 22:39

Instrument :

MSVOA_W

ClientSampleId :

20180929-AMENDED-WCC-2-COMP

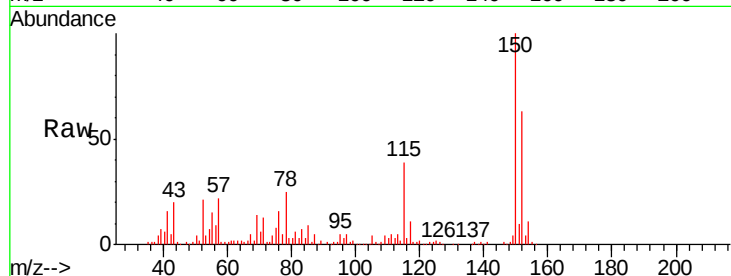
Tgt Ion:152 Resp: 39827

Ion Ratio Lower Upper

152 100

115 76.8 31.4 94.2

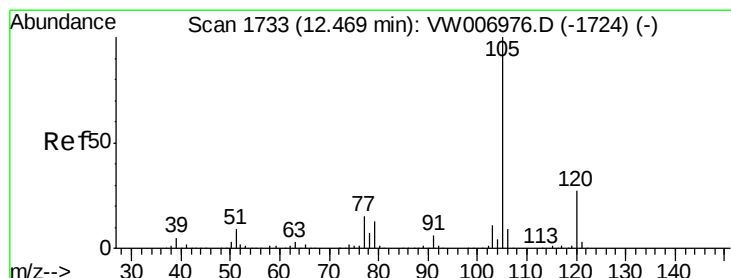
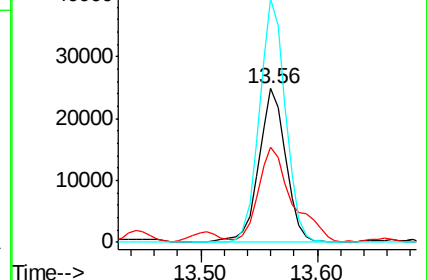
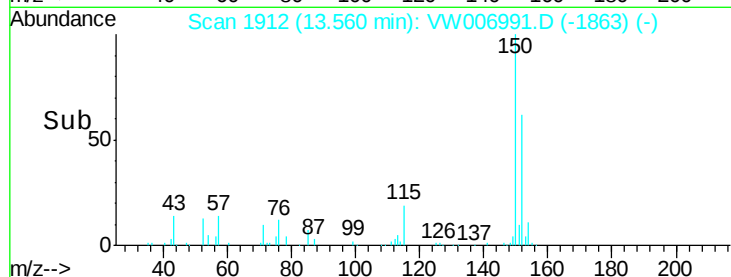
150 154.1 0.0 353.4



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: 9.55 ug/l

RT: 12.47 min Scan# 1733

Delta R.T. -0.00 min

Lab File: VW006991.D

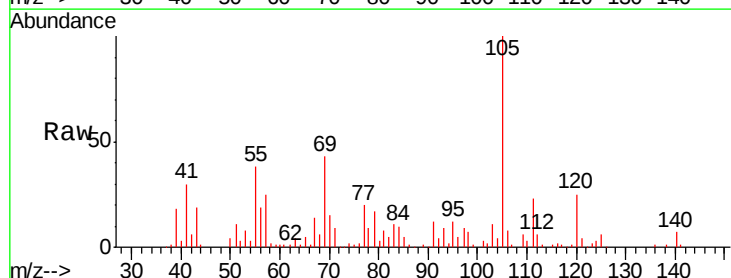
Acq: 20 Nov 2018 22:39

Tgt Ion:105 Resp: 29559

Ion Ratio Lower Upper

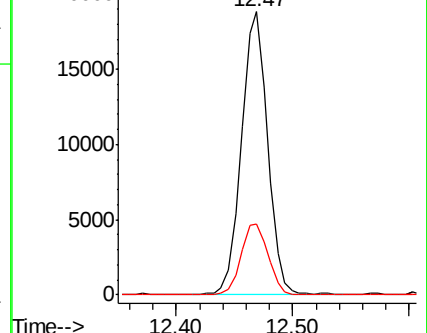
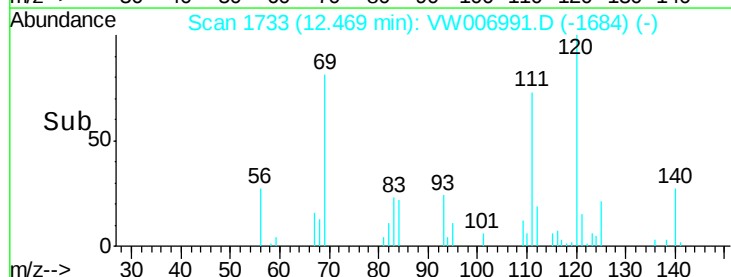
105 100

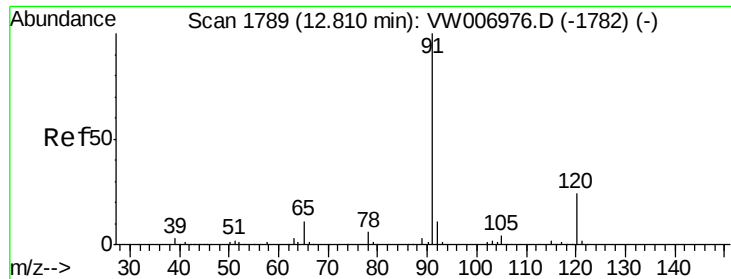
120 25.8 13.3 39.8



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#78

n-propylbenzene

Concen: 21.31 ug/l

RT: 12.80 min Scan# 1788

Delta R.T. -0.01 min

Lab File: VW006991.D

Acq: 20 Nov 2018 22:39

Instrument :

MSVOA_W

ClientSampleId :

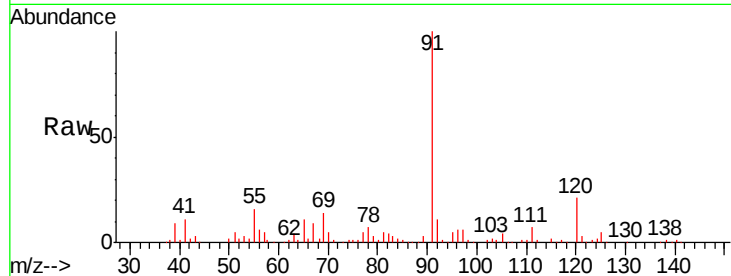
20180929-AMENDED-WCC-2-COMP

Tgt Ion: 91 Resp: 79891

Ion Ratio Lower Upper

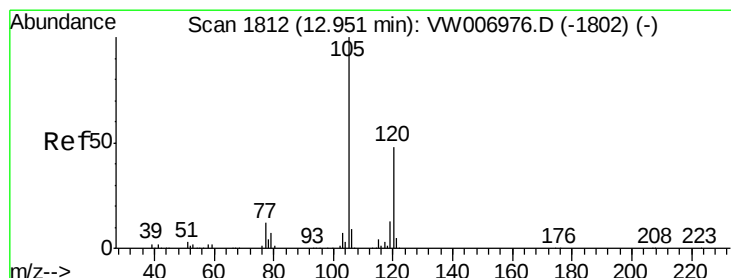
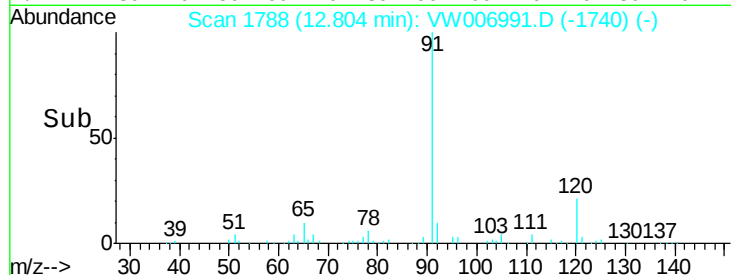
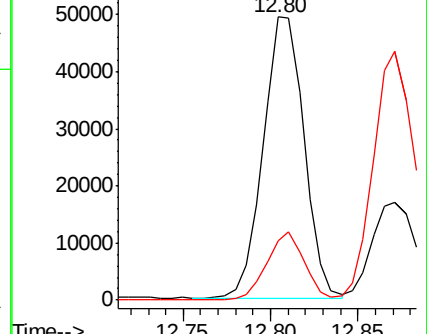
91 100

120 22.4 11.7 35.1



Abundance Ion 91.00 (90.70 to 91.70): VW

Ion 120.00 (119.70 to 120.70): V



#80

1,3,5-Trimethylbenzene

Concen: 60.40 ug/l

RT: 12.94 min Scan# 1811

Delta R.T. -0.01 min

Lab File: VW006991.D

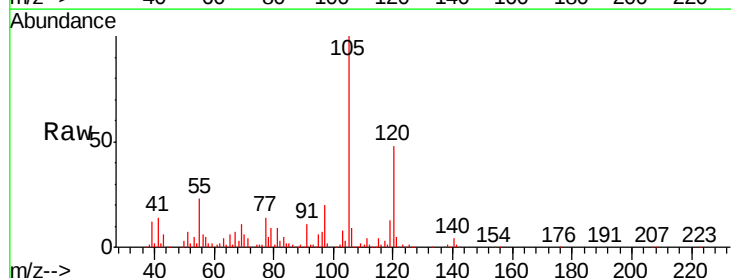
Acq: 20 Nov 2018 22:39

Tgt Ion: 105 Resp: 161668

Ion Ratio Lower Upper

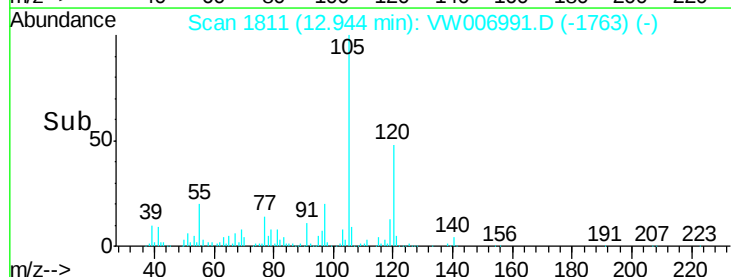
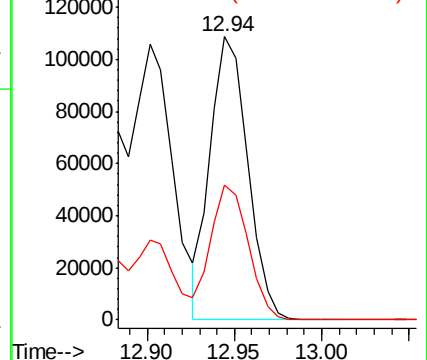
105 100

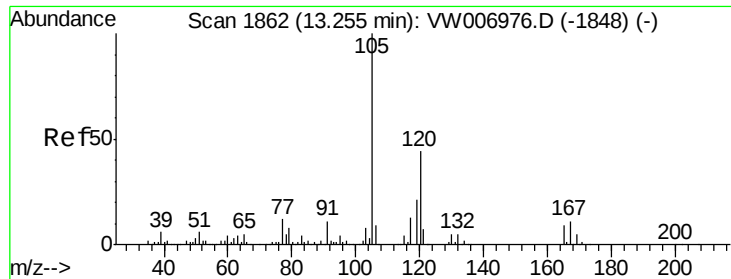
120 47.9 23.8 71.2



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

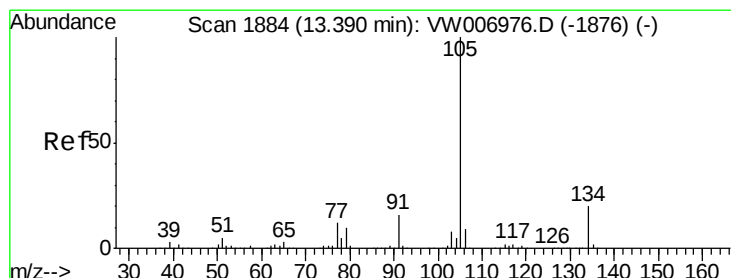
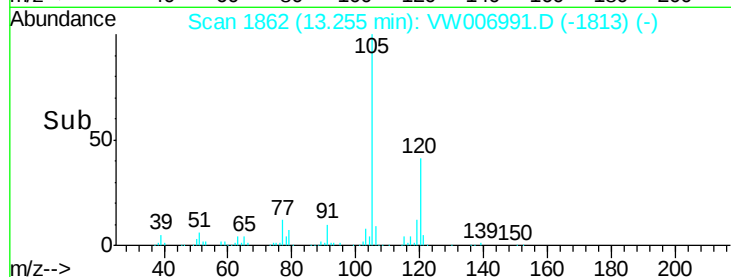
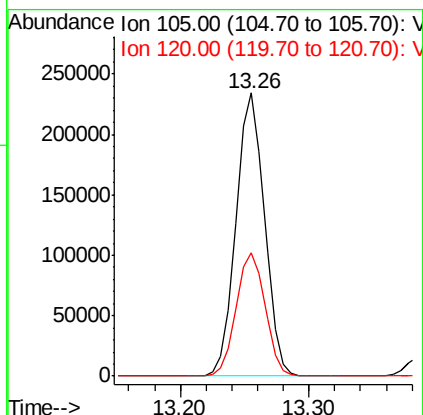
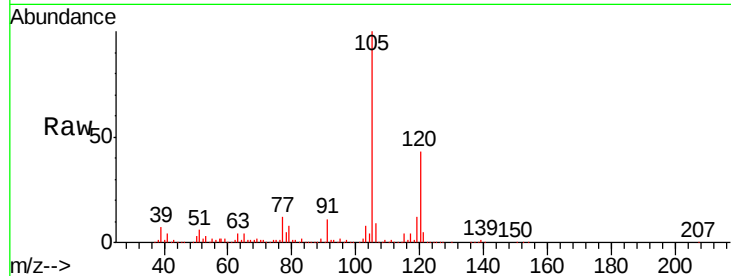




#84
1,2,4-Trimethylbenzene
Concen: 134.69 ug/l
RT: 13.26 min Scan# 1862
Delta R.T. -0.00 min
Lab File: VW006991.D
Acq: 20 Nov 2018 22:39

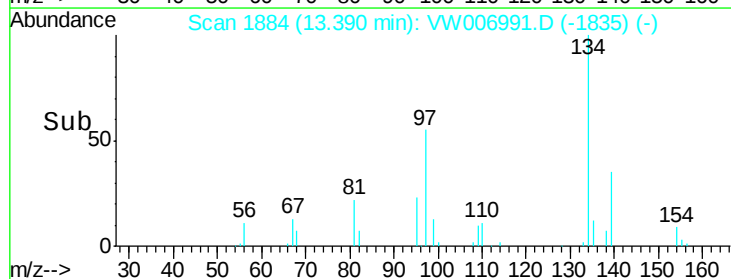
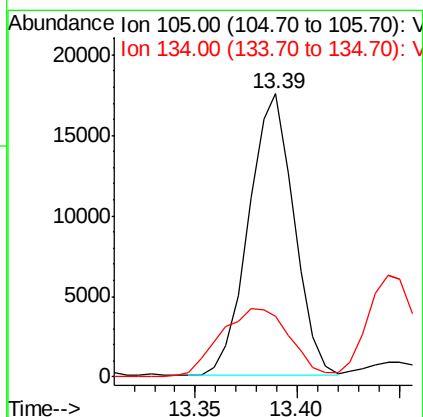
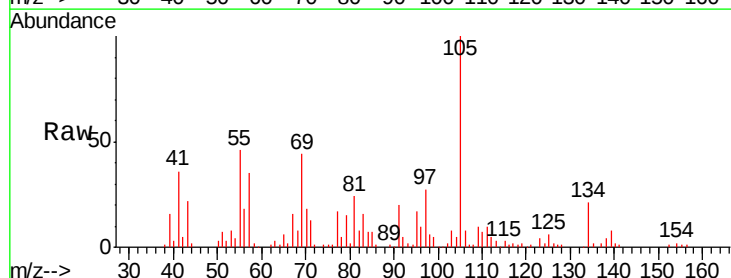
Instrument :
MSVOA_W
ClientSampleId :
20180929-AMENDED-WCC-2-COMP

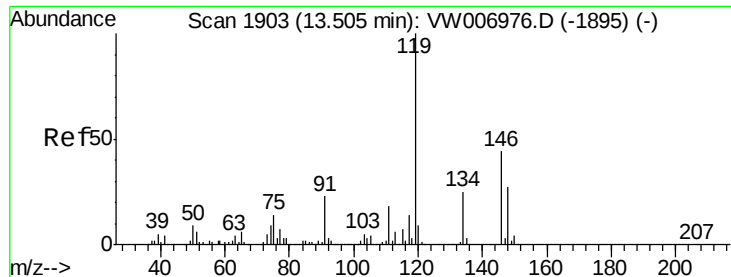
Tgt Ion:105 Resp: 359180
Ion Ratio Lower Upper
105 100
120 44.3 21.8 65.3



#85
sec-Butylbenzene
Concen: 8.19 ug/l
RT: 13.39 min Scan# 1884
Delta R.T. -0.00 min
Lab File: VW006991.D
Acq: 20 Nov 2018 22:39

Tgt Ion:105 Resp: 26811
Ion Ratio Lower Upper
105 100
134 37.6 9.8 29.3#

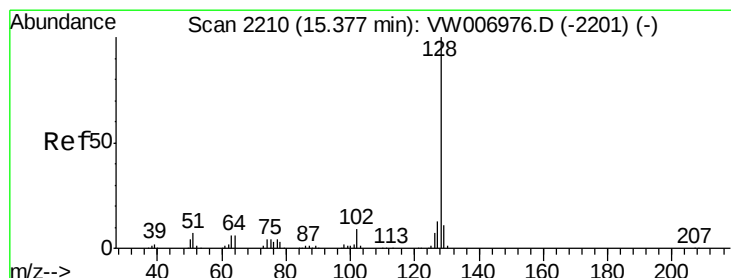
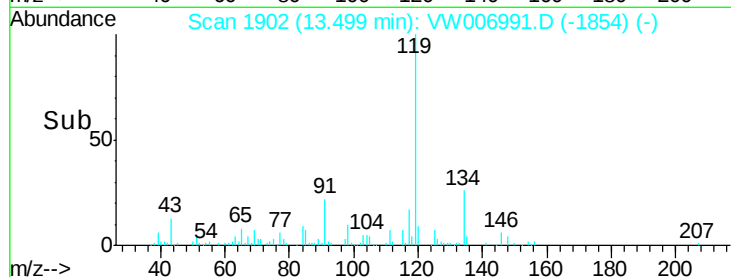
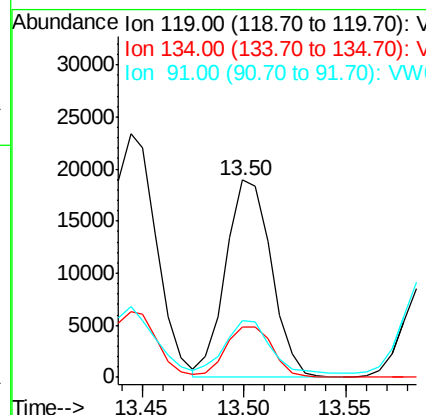
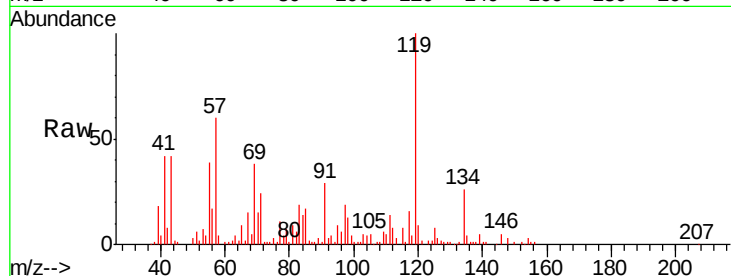




#86
p-Isopropyltoluene
Concen: 10.08 ug/l
RT: 13.50 min Scan# 1902
Delta R.T. -0.01 min
Lab File: VW006991.D
Acq: 20 Nov 2018 22:39

Instrument :
MSVOA_W
ClientSampleId :
20180929-AMENDED-WCC-2-COMP

Tgt Ion:119 Resp: 29123
Ion Ratio Lower Upper
119 100
134 26.7 12.8 38.3
91 26.6 12.2 36.6



#95
Naphthalene
Concen: 49.05 ug/l
RT: 15.37 min Scan# 2209
Delta R.T. -0.01 min
Lab File: VW006991.D
Acq: 20 Nov 2018 22:39

Tgt Ion:128 Resp: 69820
Ion Ratio Lower Upper
128 100
127 14.6 10.5 15.7
129 13.6 8.7 13.1#

