

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW112118\
 Data File : VW006988.D
 Acq On : 20 Nov 2018 21:23
 Operator : SY/AP
 Sample : J5993-02RE
 Misc : 5.00G/5ML/MSVOA_W/SOIL
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 20180926-WCC-2-COMPOSITERE

Quant Time: Nov 21 05:50:51 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	92482	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.85	114	157275	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	119665	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	41392	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.31	65	42288	46.71	ug/l	0.00
Spiked Amount	50.000		Recovery	=	93.42%	
35) Dibromofluoromethane	7.89	113	37420	42.13	ug/l	0.00
Spiked Amount	50.000		Recovery	=	84.26%	
50) Toluene-d8	10.32	98	163288	41.63	ug/l	0.00
Spiked Amount	50.000		Recovery	=	83.26%	
62) 4-Bromofluorobenzene	12.62	95	54075	35.04	ug/l	0.00
Spiked Amount	50.000		Recovery	=	70.08%	

Target Compounds

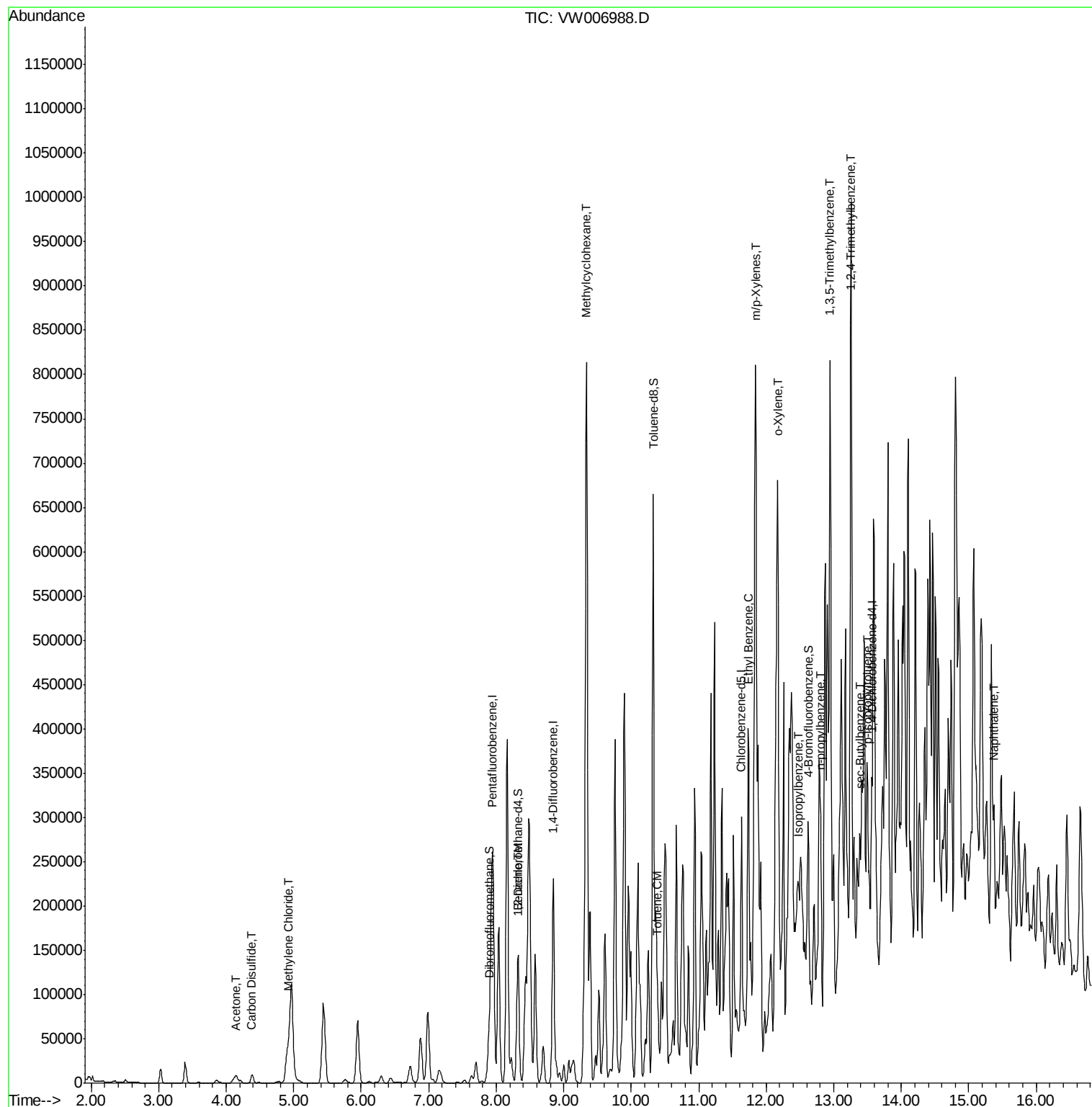
						Qvalue
16) Acetone	4.15	43	18532	140.97	ug/l #	88
17) Carbon Disulfide	4.38	76	19501	7.21	ug/l	99
20) Methylene Chloride	4.92	84	12939	7.79	ug/l	95
39) Methylcyclohexane	9.34	83	303715	157.91	ug/l	96
40) Benzene	8.33	78	115704	27.89	ug/l	100
52) Toluene	10.39	92	38670	13.70	ug/l	98
67) Ethyl Benzene	11.73	91	207291	45.18	ug/l	97
68) m/p-Xylenes	11.84	106	234913	130.50	ug/l	99
69) o-Xylene	12.17	106	145043	85.45	ug/l	97
73) Isopropylbenzene	12.47	105	48178	14.98	ug/l	98
78) n-propylbenzene	12.81	91	128754	33.04	ug/l	100
80) 1,3,5-Trimethylbenzene	12.94	105	238442	85.71	ug/l	99
84) 1,2,4-Trimethylbenzene	13.26	105	467299	168.60	ug/l	99
85) sec-Butylbenzene	13.39	105	50120	14.73	ug/l #	65
86) p-Isopropyltoluene	13.51	119	50702	16.89	ug/l	98
95) Naphthalene	15.38	128	86492	58.46	ug/l #	93

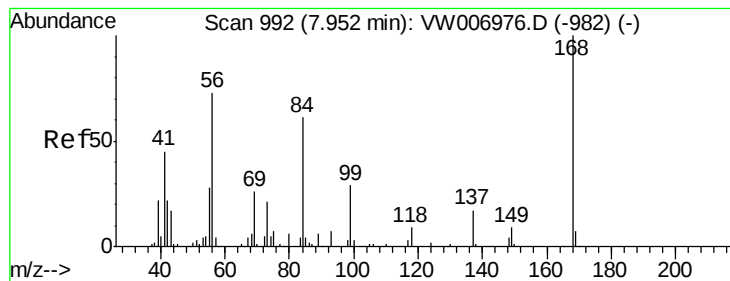
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
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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: VW006988.D

Acq: 20 Nov 2018 21:23

Instrument :

MSVOA_W

ClientSampleId :

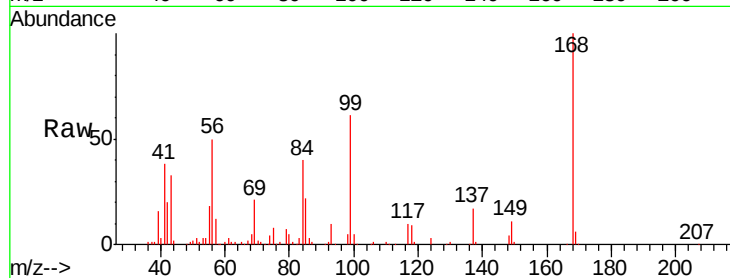
20180926-WCC-2-COMPOSITERE

Tgt Ion:168 Resp: 92482

Ion Ratio Lower Upper

168 100

99 61.0 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

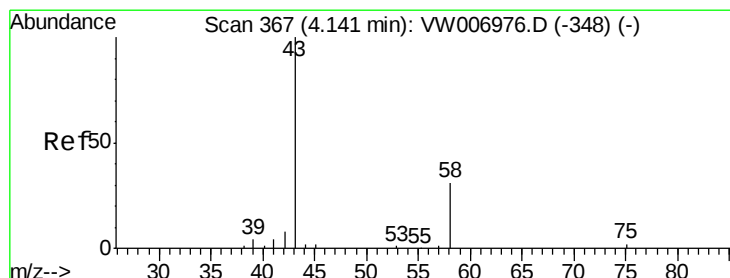
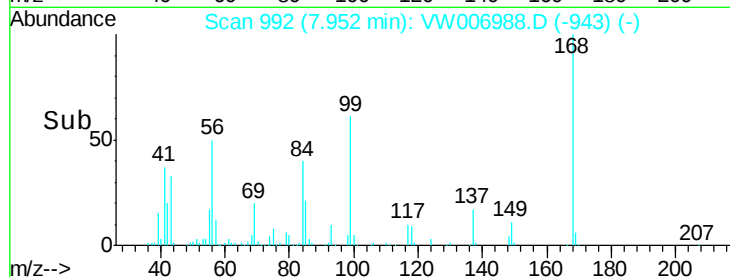
20000

10000

0

7.85 7.90 7.95 8.00 8.05

Time-->



#16

Acetone

Concen: 140.97 ug/l

RT: 4.15 min Scan# 368

Delta R.T. 0.01 min

Lab File: VW006988.D

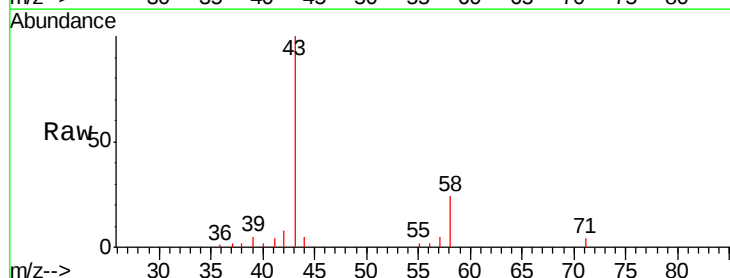
Acq: 20 Nov 2018 21:23

Tgt Ion: 43 Resp: 18532

Ion Ratio Lower Upper

43 100

58 24.3 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

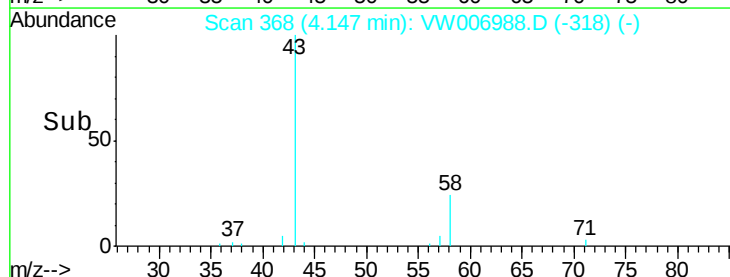
2000

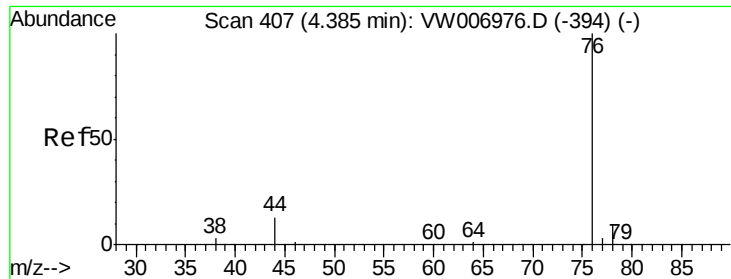
1000

0

4.00 4.10 4.20 4.30

Time-->

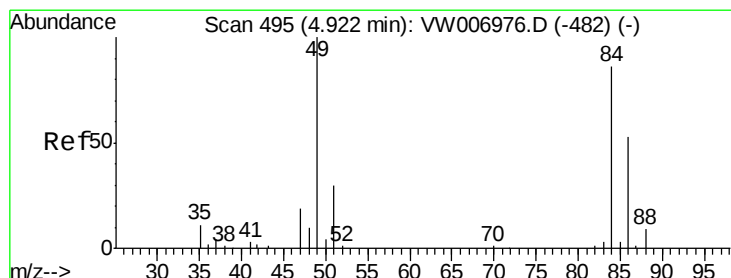
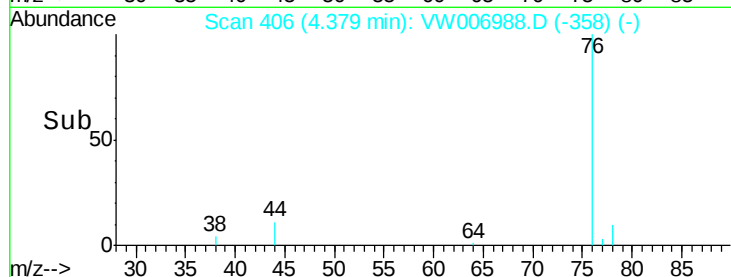
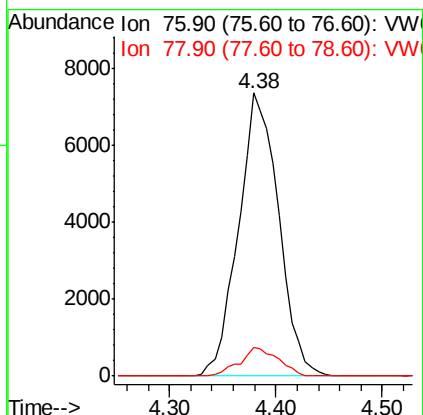
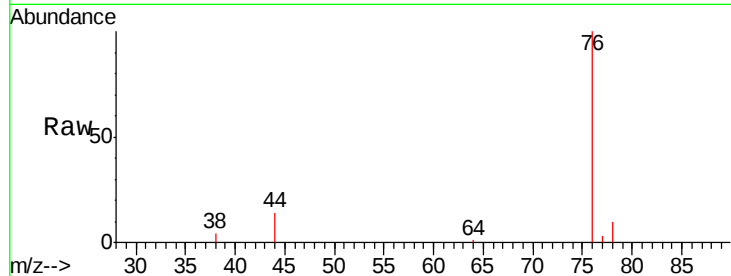




#17
Carbon Disulfide
Concen: 7.21 ug/l
RT: 4.38 min Scan# 406
Delta R.T. -0.01 min
Lab File: VW006988.D
Acq: 20 Nov 2018 21:23

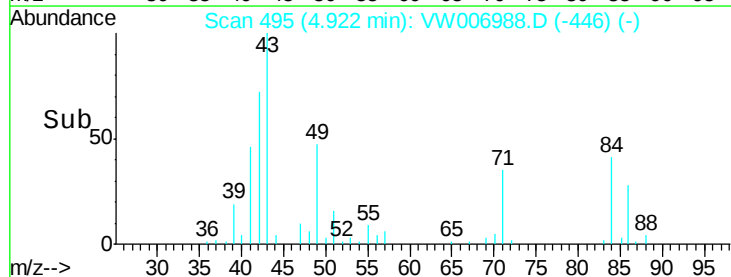
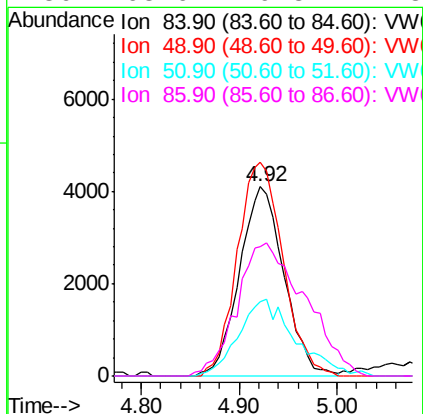
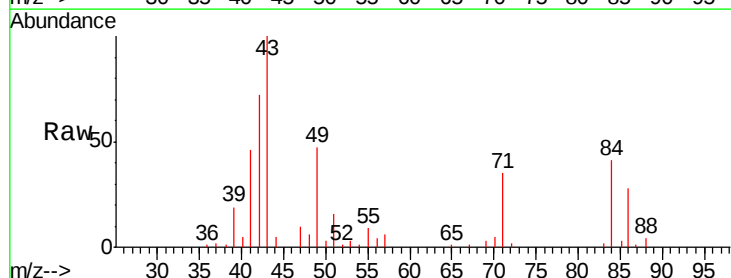
Instrument :
MSVOA_W
ClientSampleId :
20180926-WCC-2-COMPOSITERE

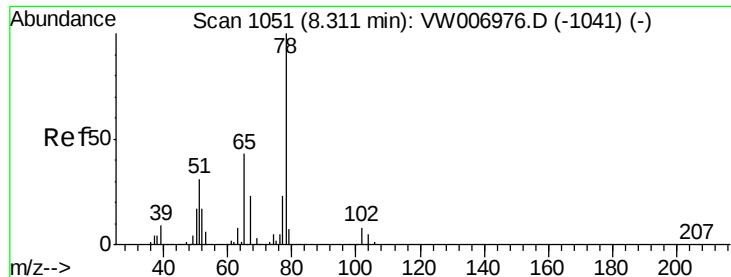
Tgt Ion: 76 Resp: 19501
Ion Ratio Lower Upper
76 100
78 10.2 7.8 11.6



#20
Methylene Chloride
Concen: 7.79 ug/l
RT: 4.92 min Scan# 495
Delta R.T. 0.00 min
Lab File: VW006988.D
Acq: 20 Nov 2018 21:23

Tgt Ion: 84 Resp: 12939
Ion Ratio Lower Upper
84 100
49 113.0 93.4 140.0
51 39.4 28.4 42.6
86 68.6 49.8 74.8





#33

1,2-Dichloroethane-d4

Concen: 46.71 ug/l

RT: 8.31 min Scan# 1051

Delta R.T. 0.00 min

Lab File: VW006988.D

Acq: 20 Nov 2018 21:23

Instrument :

MSVOA_W

ClientSampleId :

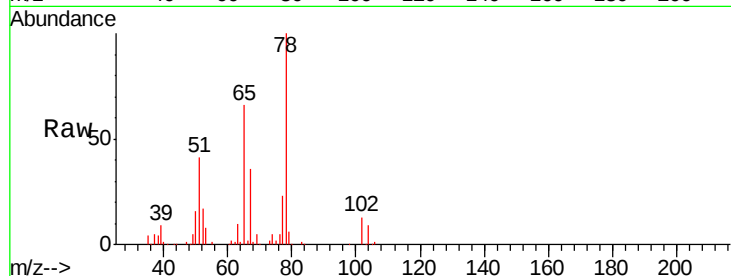
20180926-WCC-2-COMPOSITERE

Tgt Ion: 65 Resp: 42288

Ion Ratio Lower Upper

65 100

67 52.9 0.0 106.2



Abundance Ion 64.90 (64.60 to 65.60): VW

Ion 66.90 (66.60 to 67.60): VW

8.31

20000

15000

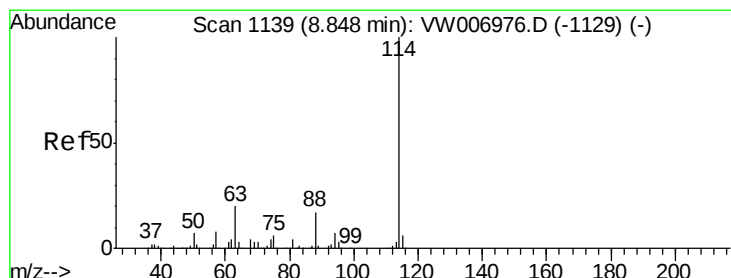
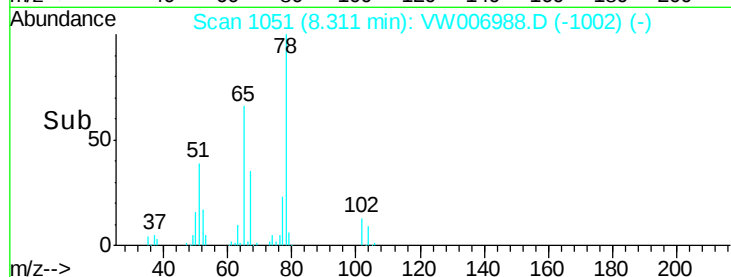
10000

5000

0

Time-->

8.20 8.25 8.30 8.35 8.40



#34

1,4-Difluorobenzene

Concen: 50.00 ug/l

RT: 8.85 min Scan# 1139

Delta R.T. 0.00 min

Lab File: VW006988.D

Acq: 20 Nov 2018 21:23

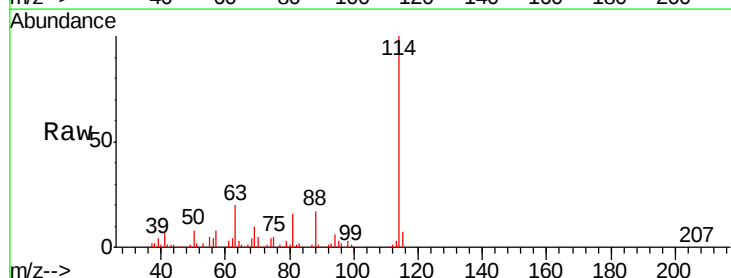
Tgt Ion: 114 Resp: 157275

Ion Ratio Lower Upper

114 100

63 20.4 0.0 39.4

88 16.9 0.0 34.2



Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VW

Ion 87.90 (87.60 to 88.60): VW

8.85

100000

80000

60000

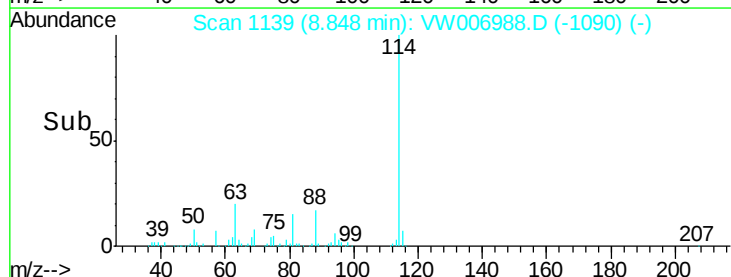
40000

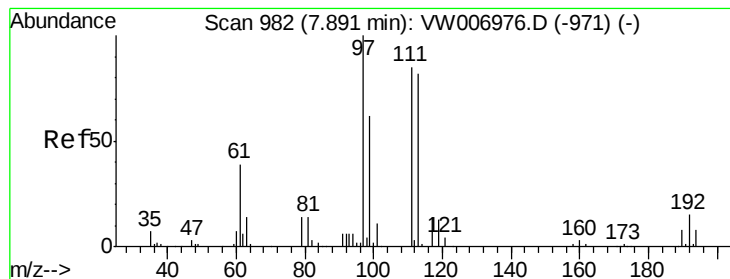
20000

0

Time-->

8.80 8.90 9.00





#35

Dibromofluoromethane

Concen: 42.13 ug/l

RT: 7.89 min Scan# 982

Delta R.T. 0.00 min

Lab File: VW006988.D

Acq: 20 Nov 2018 21:23

Instrument :

MSVOA_W

ClientSampleId :

20180926-WCC-2-COMPOSITERE

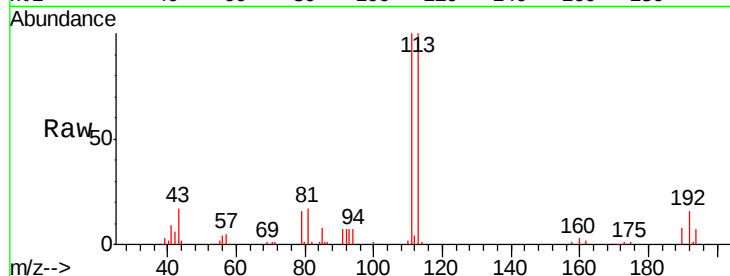
Tgt Ion:113 Resp: 37420

Ion Ratio Lower Upper

113 100

111 101.4 81.0 121.6

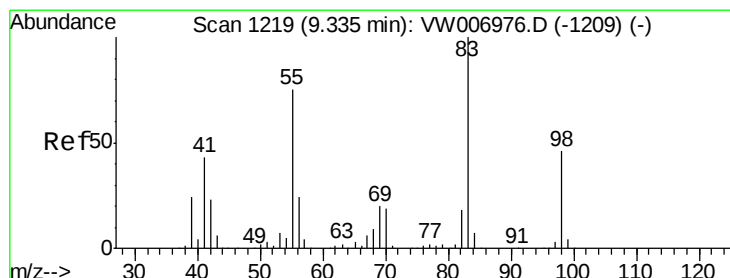
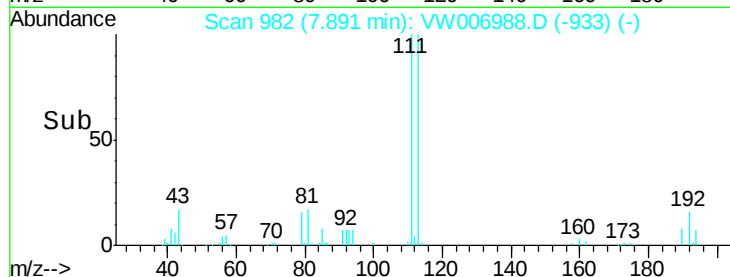
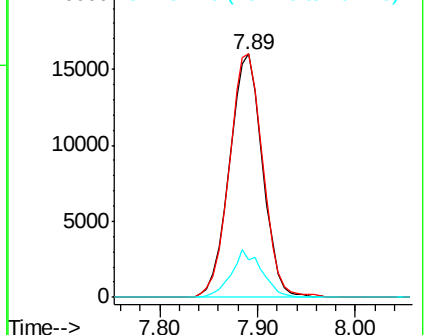
192 17.9 15.0 22.6



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



#39

Methylcyclohexane

Concen: 157.91 ug/l

RT: 9.34 min Scan# 1219

Delta R.T. 0.00 min

Lab File: VW006988.D

Acq: 20 Nov 2018 21:23

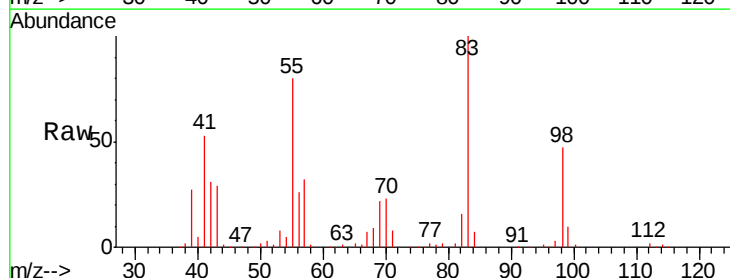
Tgt Ion: 83 Resp: 303715

Ion Ratio Lower Upper

83 100

55 80.1 59.6 89.4

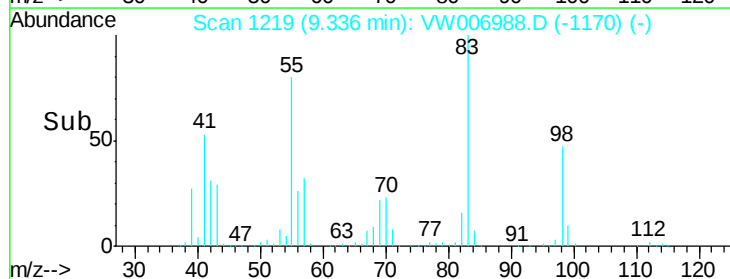
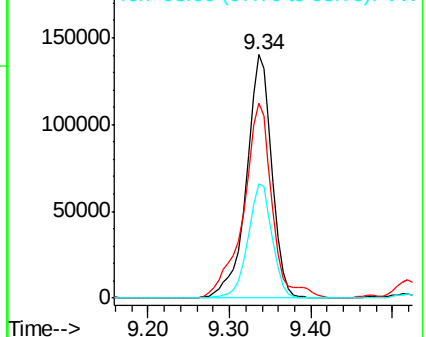
98 47.1 37.1 55.7

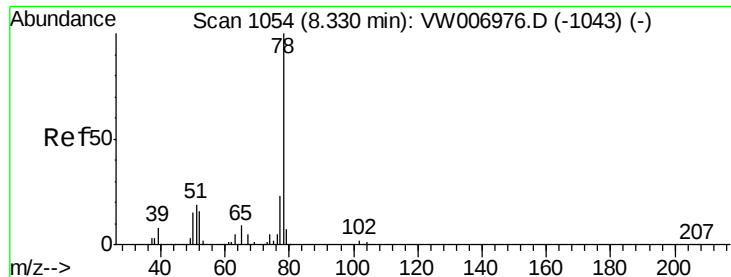


Abundance Ion 83.00 (82.70 to 83.70): VW

Ion 55.00 (54.70 to 55.70): VW

Ion 98.00 (97.70 to 98.70): VW





#40

Benzene

Concen: 27.89 ug/l

RT: 8.33 min Scan# 1054

Delta R.T. 0.00 min

Lab File: VW006988.D

Acq: 20 Nov 2018 21:23

Instrument :

MSVOA_W

ClientSampleId :

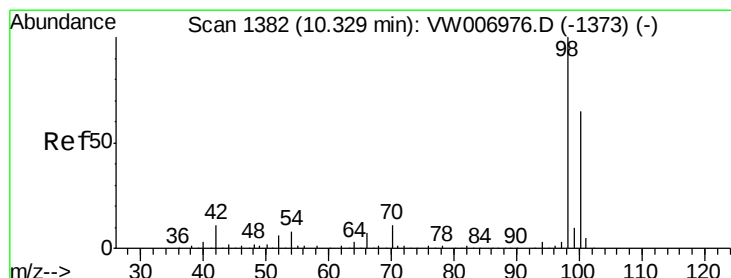
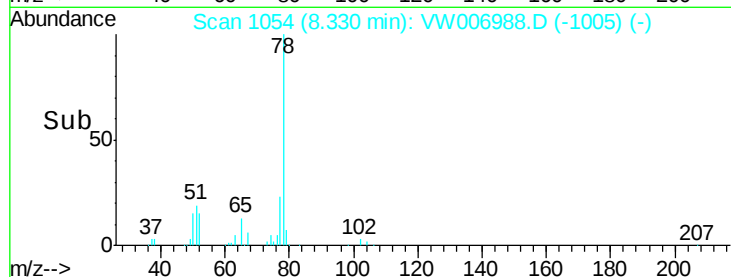
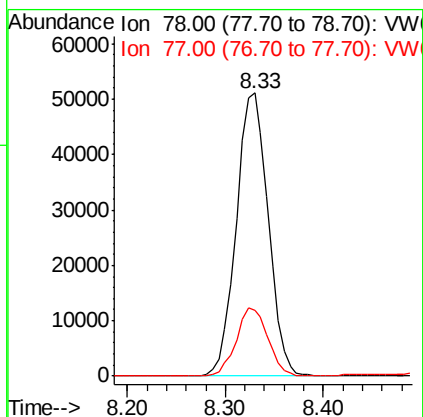
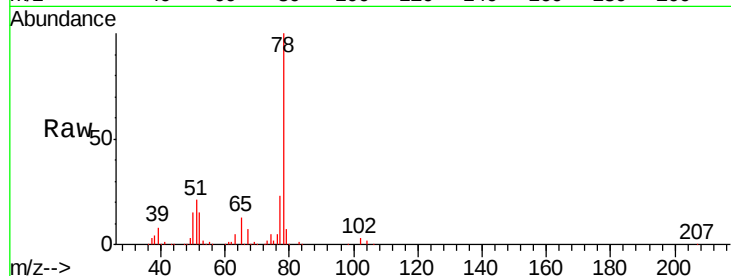
20180926-WCC-2-COMPOSITERE

Tgt Ion: 78 Resp: 115704

Ion Ratio Lower Upper

78 100

77 23.3 18.6 28.0



#50

Toluene-d8

Concen: 41.63 ug/l

RT: 10.32 min Scan# 1381

Delta R.T. -0.01 min

Lab File: VW006988.D

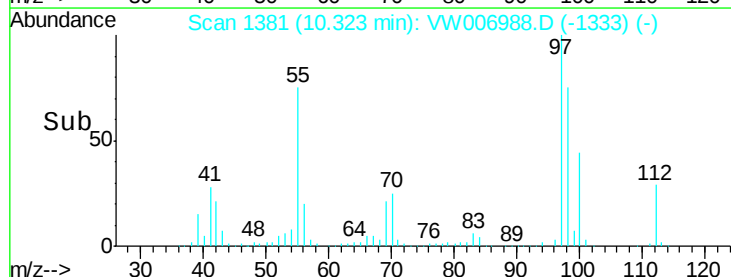
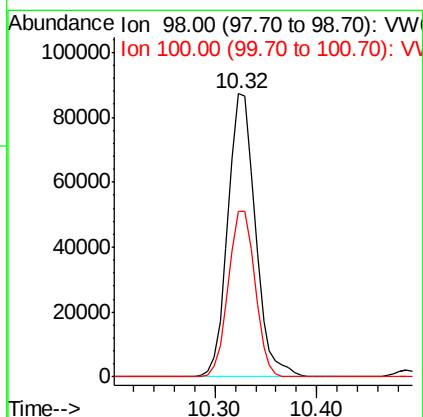
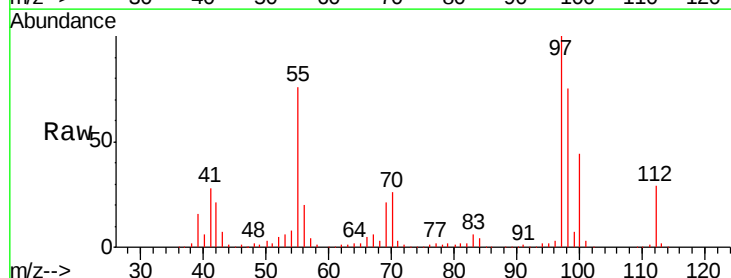
Acq: 20 Nov 2018 21:23

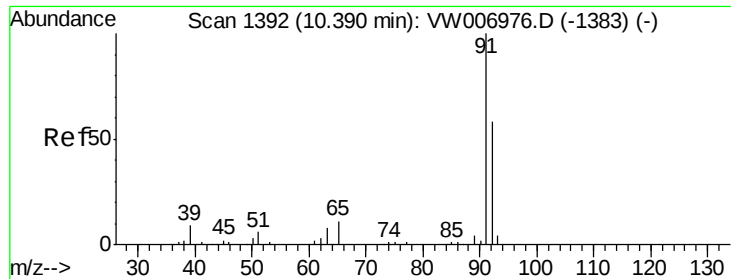
Tgt Ion: 98 Resp: 163288

Ion Ratio Lower Upper

98 100

100 56.5 52.2 78.2





#52

Toluene

Concen: 13.70 ug/l

RT: 10.39 min Scan# 1392

Delta R.T. 0.00 min

Lab File: VW006988.D

Acq: 20 Nov 2018 21:23

Instrument :

MSVOA_W

ClientSampleId :

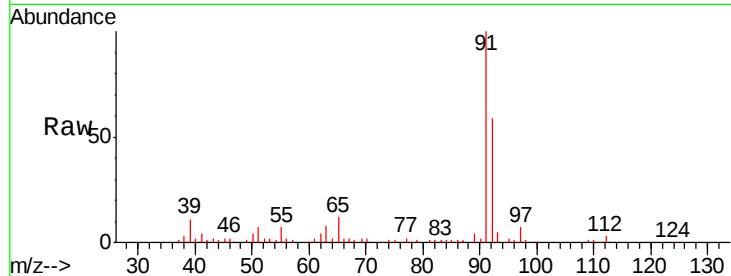
20180926-WCC-2-COMPOSITERE

Tgt Ion: 92 Resp: 38670

Ion Ratio Lower Upper

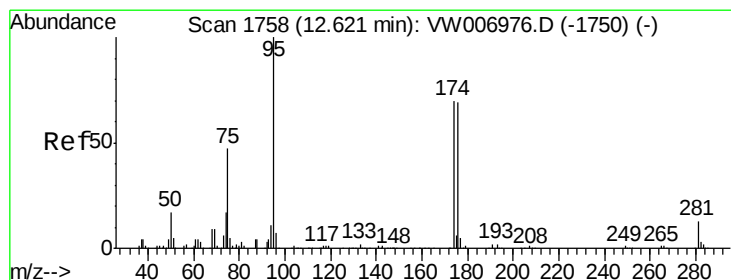
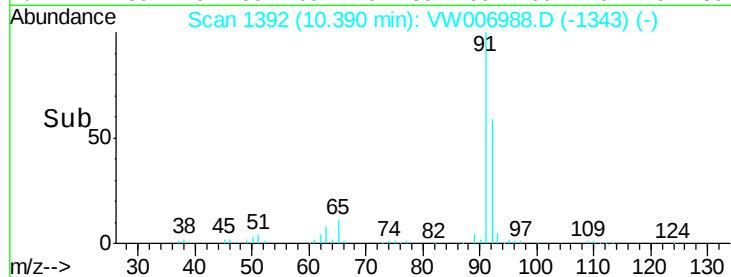
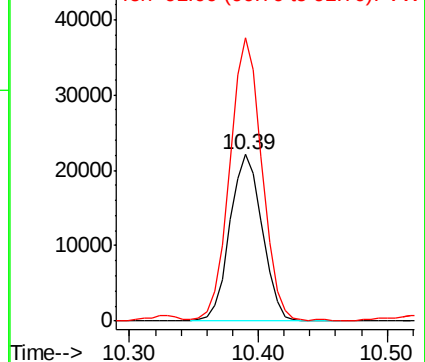
92 100

91 169.1 137.3 205.9



Abundance Ion 92.00 (91.70 to 92.70): VW

Ion 91.00 (90.70 to 91.70): VW



#62

4-Bromofluorobenzene

Concen: 35.04 ug/l

RT: 12.62 min Scan# 1758

Delta R.T. 0.00 min

Lab File: VW006988.D

Acq: 20 Nov 2018 21:23

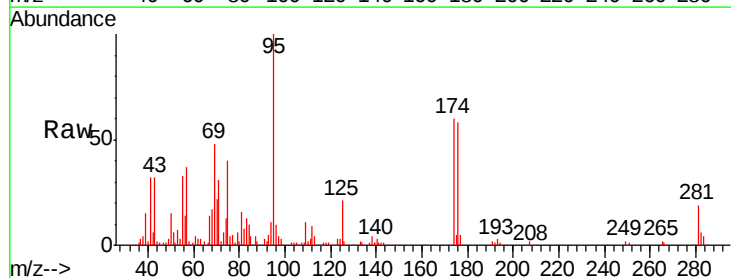
Tgt Ion: 95 Resp: 54075

Ion Ratio Lower Upper

95 100

174 59.8 0.0 143.6

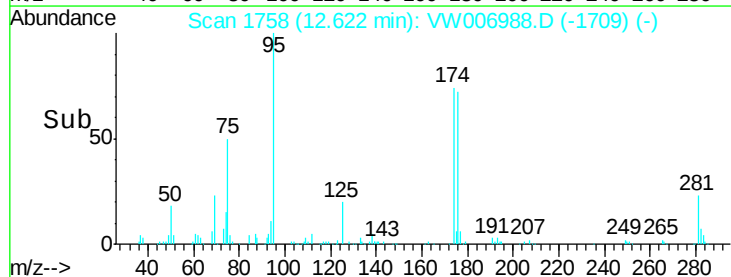
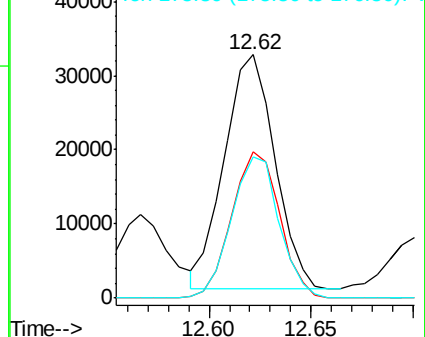
176 57.7 0.0 140.4

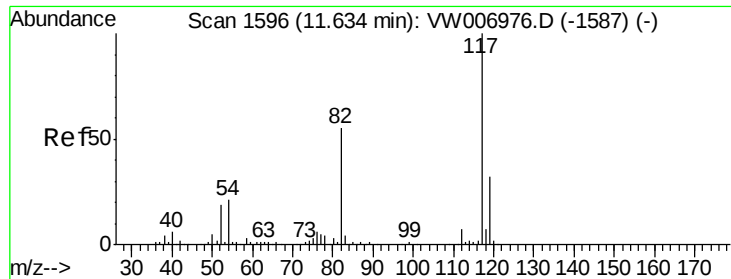


Abundance Ion 94.90 (94.60 to 95.60): VW

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

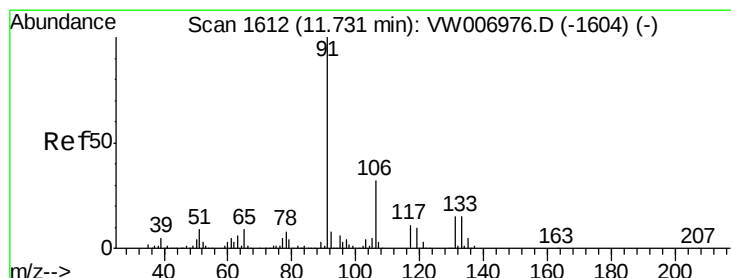
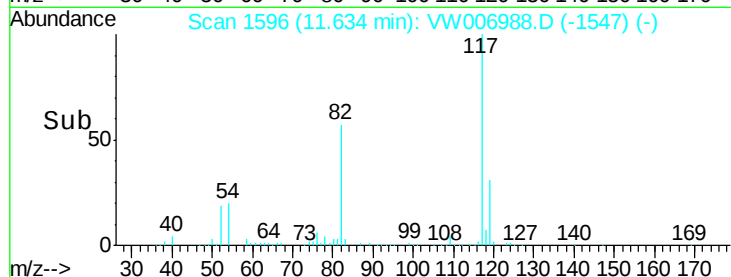
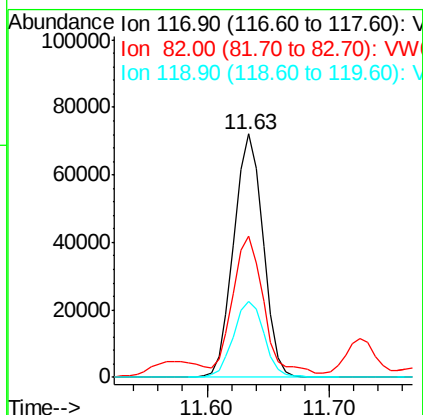
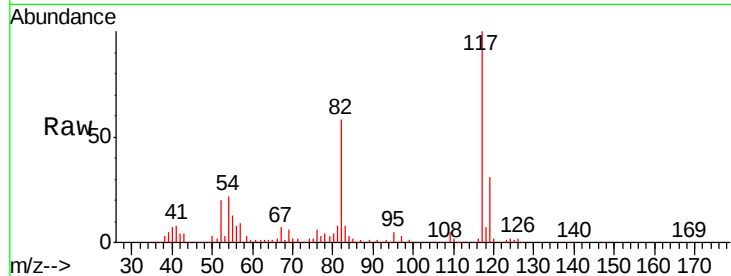




#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 11.63 min Scan# 1596
Delta R.T. 0.00 min
Lab File: VW006988.D
Acq: 20 Nov 2018 21:23

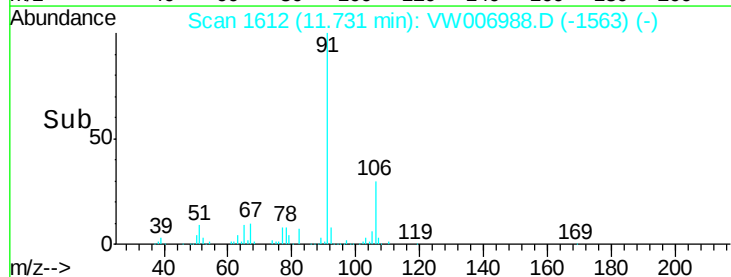
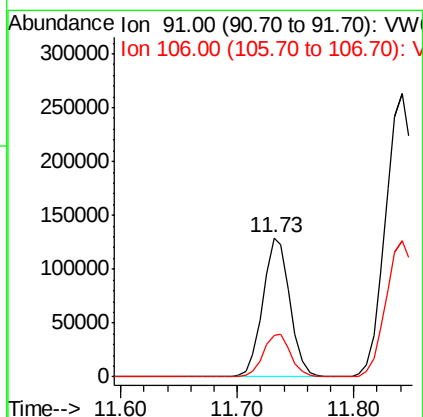
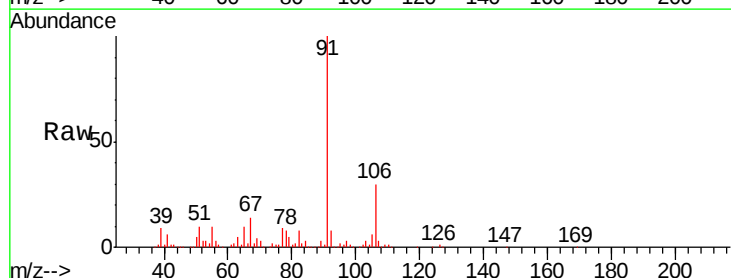
Instrument :
MSVOA_W
ClientSampleId :
20180926-WCC-2-COMPOSITERE

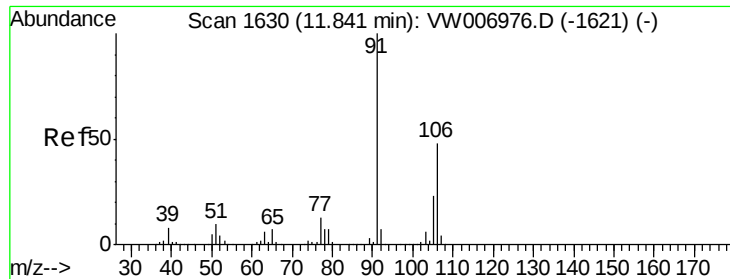
Tgt Ion:117 Resp: 119665
Ion Ratio Lower Upper
117 100
82 53.5 44.2 66.2
119 30.8 25.9 38.9



#67
Ethyl Benzene
Concen: 45.18 ug/l
RT: 11.73 min Scan# 1612
Delta R.T. 0.00 min
Lab File: VW006988.D
Acq: 20 Nov 2018 21:23

Tgt Ion: 91 Resp: 207291
Ion Ratio Lower Upper
91 100
106 30.1 25.4 38.2

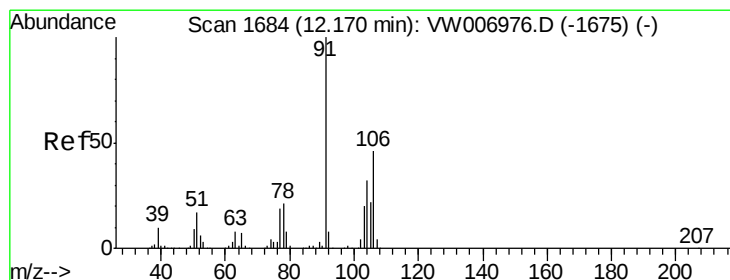
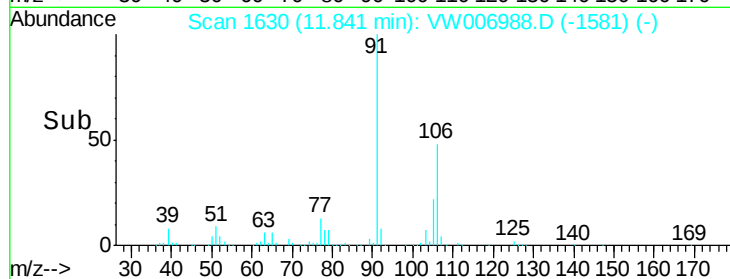
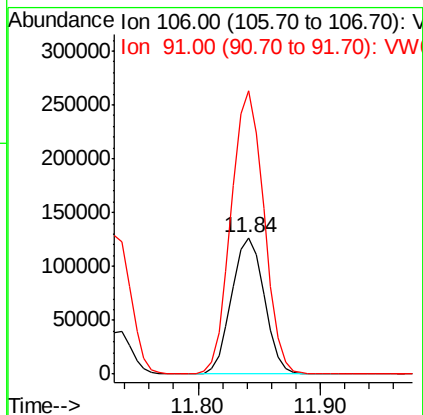
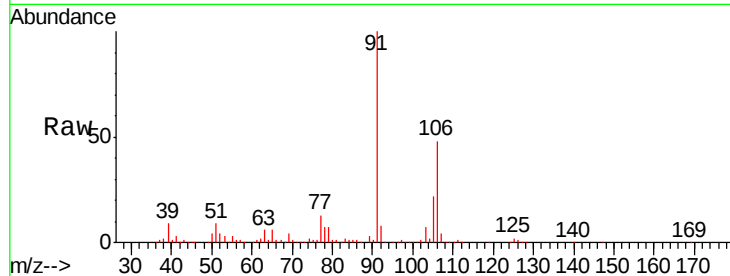




#68
m/p-Xylenes
Concen: 130.50 ug/l
RT: 11.84 min Scan# 1630
Delta R.T. 0.00 min
Lab File: VW006988.D
Acq: 20 Nov 2018 21:23

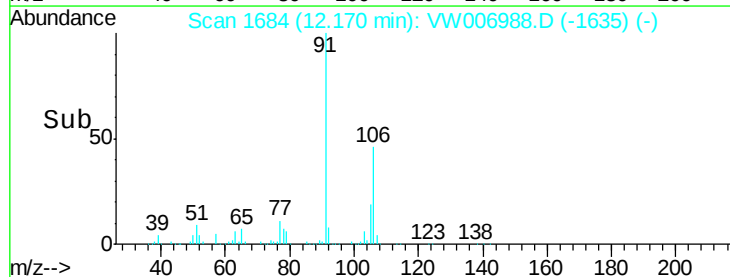
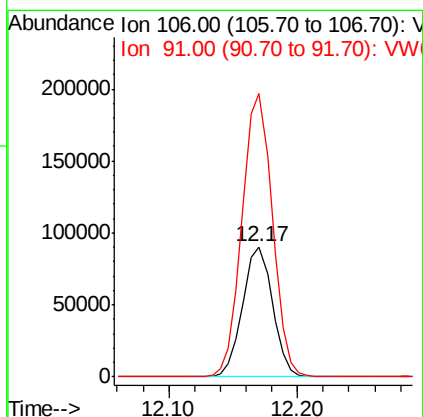
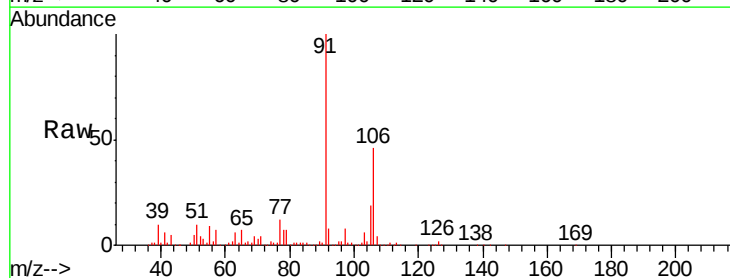
Instrument :
MSVOA_W
ClientSampleId :
20180926-WCC-2-COMPOSITERE

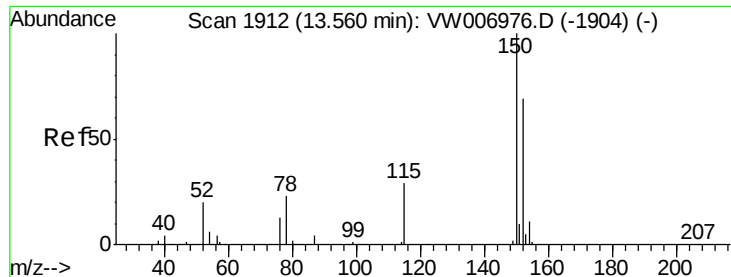
Tgt Ion:106 Resp: 234913
Ion Ratio Lower Upper
106 100
91 207.3 164.8 247.2



#69
o-Xylene
Concen: 85.45 ug/l
RT: 12.17 min Scan# 1684
Delta R.T. 0.00 min
Lab File: VW006988.D
Acq: 20 Nov 2018 21:23

Tgt Ion:106 Resp: 145043
Ion Ratio Lower Upper
106 100
91 220.9 107.9 323.8





#72

1,4-Dichlorobenzene-d4

Concen: 50.00 ug/l

RT: 13.56 min Scan# 1912

Delta R.T. 0.00 min

Lab File: VW006988.D

Acq: 20 Nov 2018 21:23

Instrument :

MSVOA_W

ClientSampleId :

20180926-WCC-2-COMPOSITE

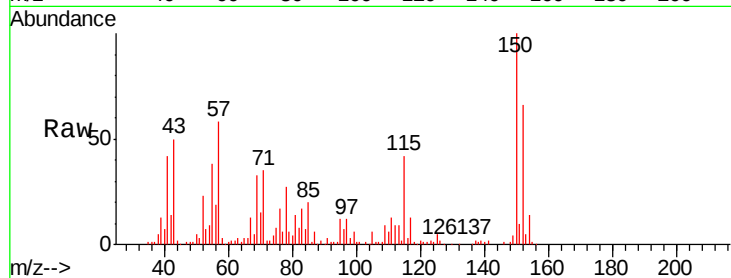
Tgt Ion:152 Resp: 41392

Ion Ratio Lower Upper

152 100

115 79.2 31.4 94.2

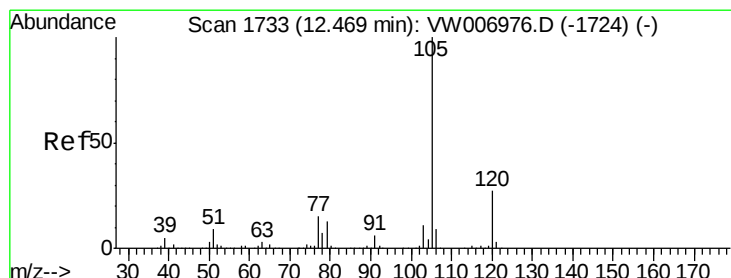
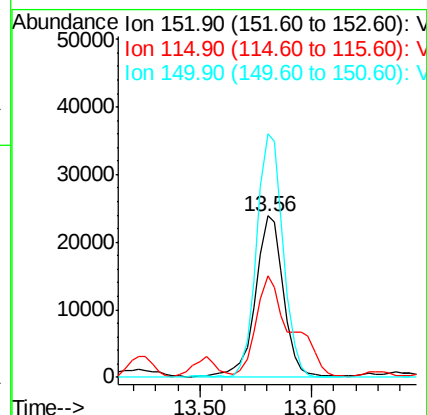
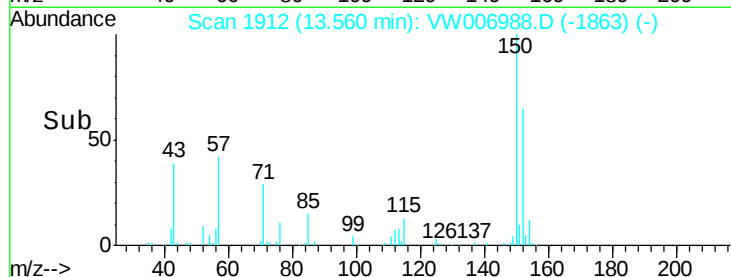
150 144.7 0.0 353.4



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: 14.98 ug/l

RT: 12.47 min Scan# 1733

Delta R.T. 0.00 min

Lab File: VW006988.D

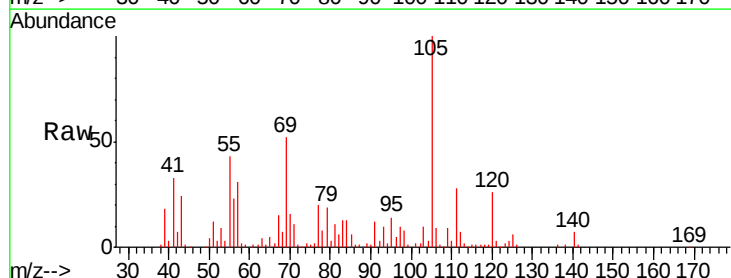
Acq: 20 Nov 2018 21:23

Tgt Ion:105 Resp: 48178

Ion Ratio Lower Upper

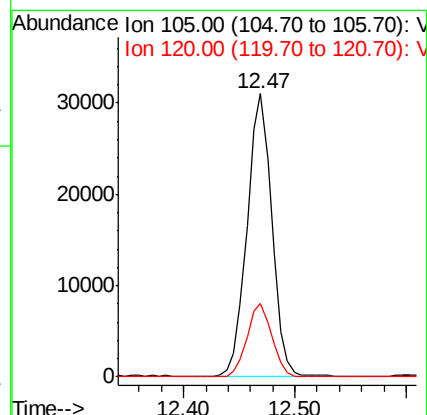
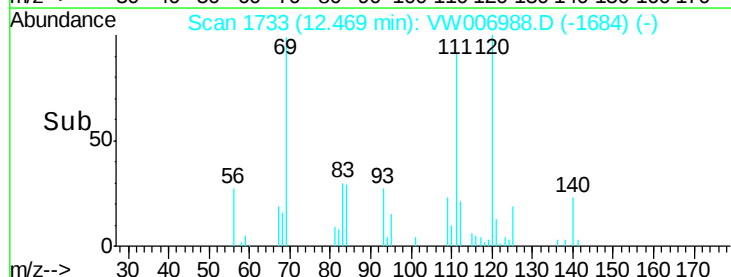
105 100

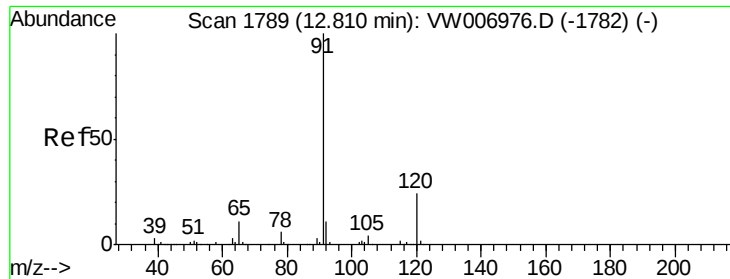
120 25.7 13.3 39.8



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#78

n-propylbenzene

Concen: 33.04 ug/l

RT: 12.81 min Scan# 1789

Delta R.T. 0.00 min

Lab File: VW006988.D

Acq: 20 Nov 2018 21:23

Instrument :

MSVOA_W

ClientSampleId :

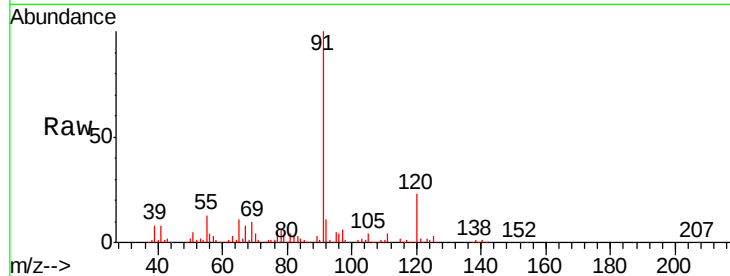
20180926-WCC-2-COMPOSITERE

Tgt Ion: 91 Resp: 128754

Ion Ratio Lower Upper

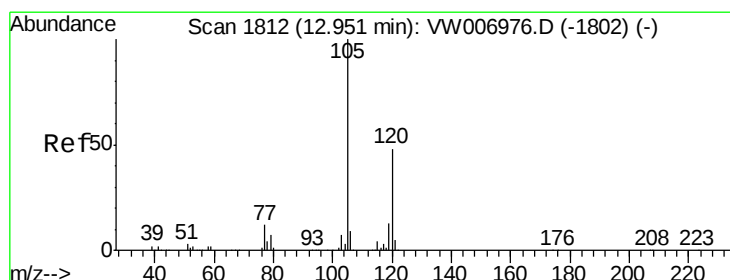
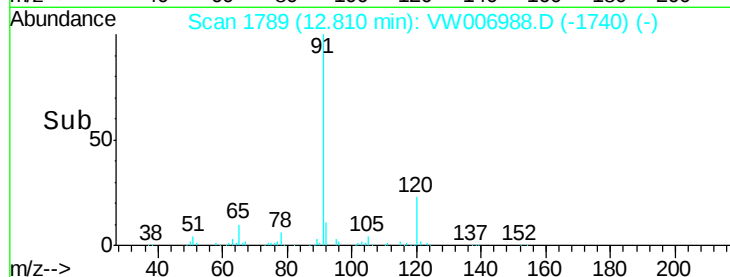
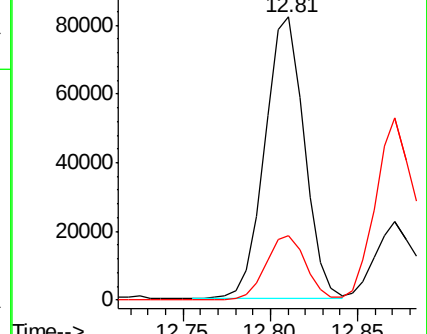
91 100

120 23.3 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: 85.71 ug/l

RT: 12.94 min Scan# 1811

Delta R.T. -0.01 min

Lab File: VW006988.D

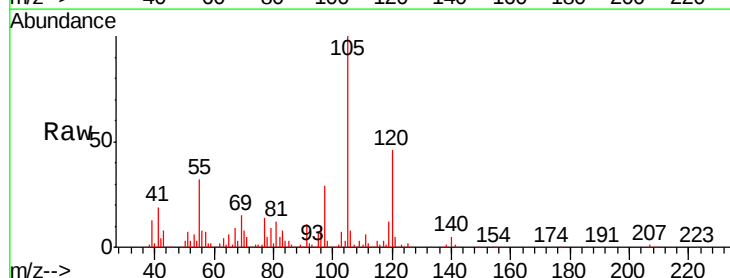
Acq: 20 Nov 2018 21:23

Tgt Ion: 105 Resp: 238442

Ion Ratio Lower Upper

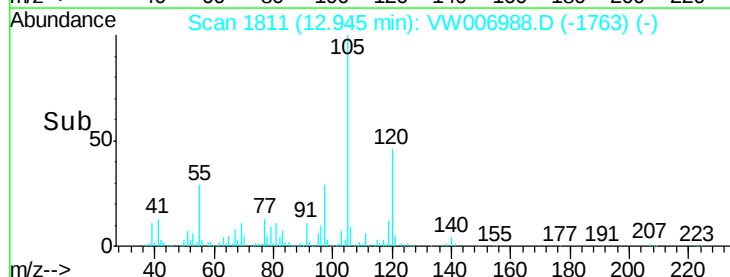
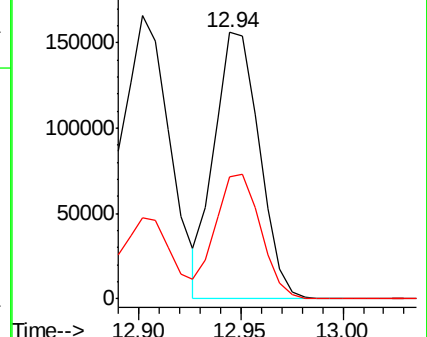
105 100

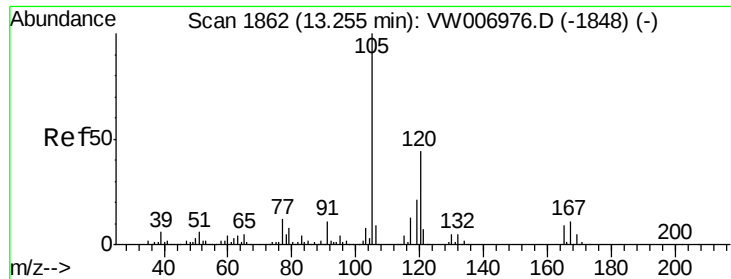
120 47.1 23.8 71.2



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

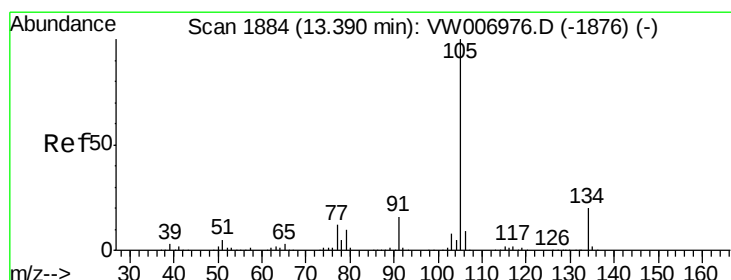
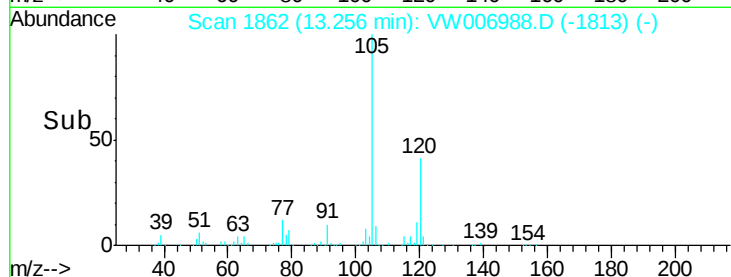
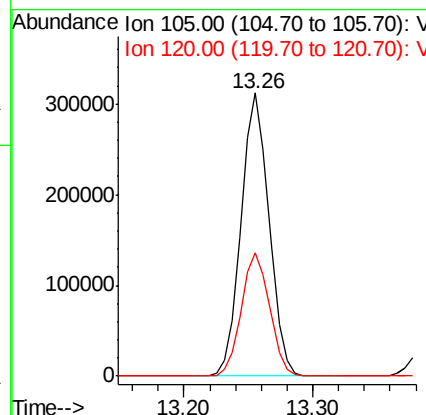
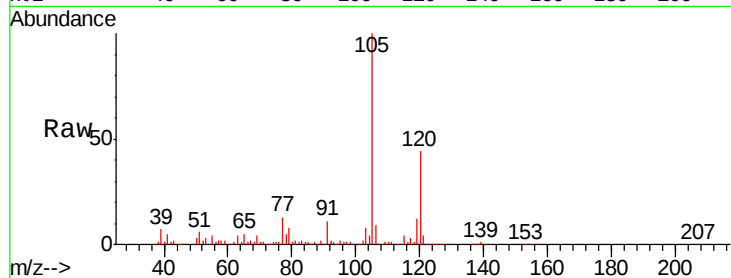




#84
1,2,4-Trimethylbenzene
Concen: 168.60 ug/l
RT: 13.26 min Scan# 1862
Delta R.T. 0.00 min
Lab File: VW006988.D
Acq: 20 Nov 2018 21:23

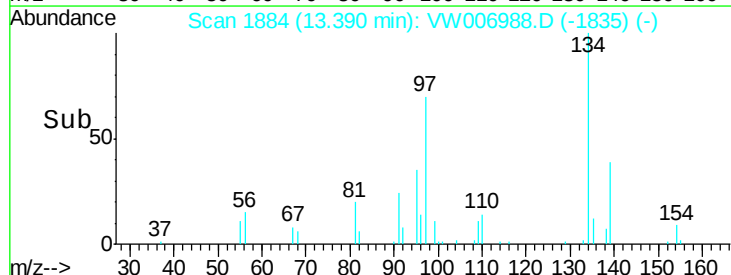
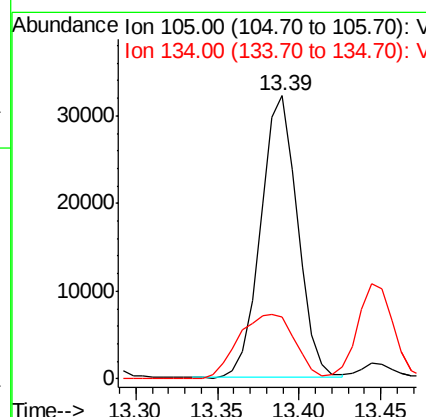
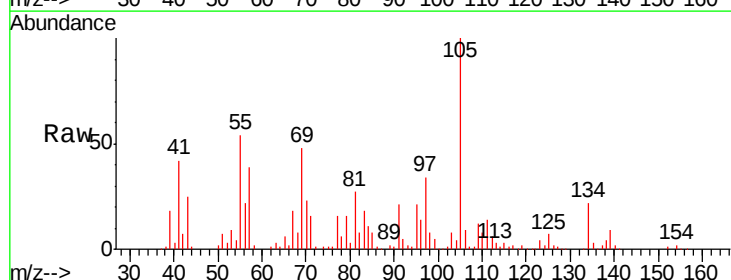
Instrument :
MSVOA_W
ClientSampleId :
20180926-WCC-2-COMPOSITERE

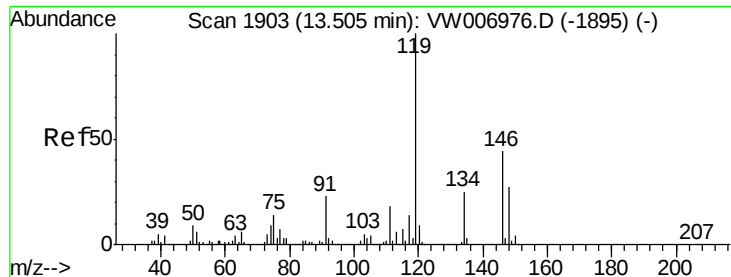
Tgt Ion:105 Resp: 467299
Ion Ratio Lower Upper
105 100
120 44.2 21.8 65.3



#85
sec-Butylbenzene
Concen: 14.73 ug/l
RT: 13.39 min Scan# 1884
Delta R.T. 0.00 min
Lab File: VW006988.D
Acq: 20 Nov 2018 21:23

Tgt Ion:105 Resp: 50120
Ion Ratio Lower Upper
105 100
134 35.5 9.8 29.3#

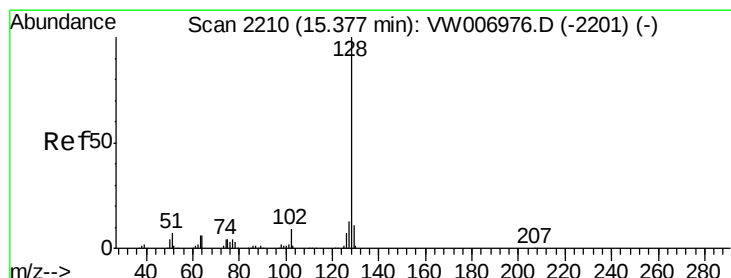
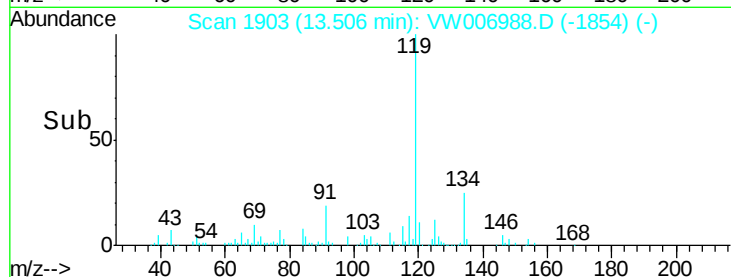
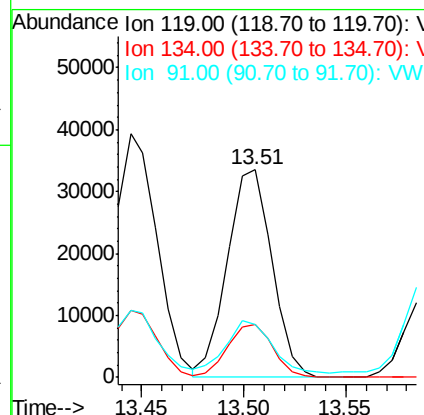
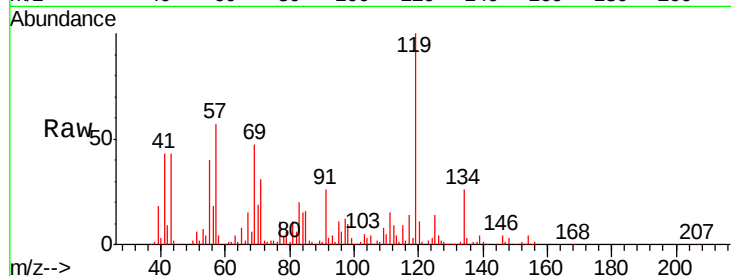




#86
p-Isopropyltoluene
Concen: 16.89 ug/l
RT: 13.51 min Scan# 1903
Delta R.T. 0.00 min
Lab File: VW006988.D
Acq: 20 Nov 2018 21:23

Instrument :
MSVOA_W
ClientSampleId :
20180926-WCC-2-COMPOSITERE

Tgt Ion:119 Resp: 50702
Ion Ratio Lower Upper
119 100
134 25.9 12.8 38.3
91 25.8 12.2 36.6



#95
Naphthalene
Concen: 58.46 ug/l
RT: 15.38 min Scan# 2210
Delta R.T. 0.00 min
Lab File: VW006988.D
Acq: 20 Nov 2018 21:23

Tgt Ion:128 Resp: 86492
Ion Ratio Lower Upper
128 100
127 16.4 10.5 15.7#
129 9.0 8.7 13.1

