

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW112018\
 Data File : VW006970.D
 Acq On : 20 Nov 2018 03:21
 Operator : SY/AP
 Sample : J5993-05
 Misc : 5.00G/5ML/MSVOA W/SOIL
 ALS Vial : 38 Sample Multiplier: 1

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

Quant Time: Nov 20 06:48:26 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W111718S.M
 Quant Title : SW846 8260
 QLast Update : Sat Nov 17 04:45:18 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	11671	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.85	114	21047	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	16791	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	6337	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.31	65	6356	48.87	ug/l	0.00
Spiked Amount			Recovery	=	97.74%	
35) Dibromofluoromethane	0.00	113	0	0.00	ug/l	
Spiked Amount			Recovery	=	0.00%	
50) Toluene-d8	10.33	98	21401	40.41	ug/l	0.00
Spiked Amount			Recovery	=	80.82%	
62) 4-Bromofluorobenzene	12.62	95	7423	35.95	ug/l	0.00
Spiked Amount			Recovery	=	71.90%	

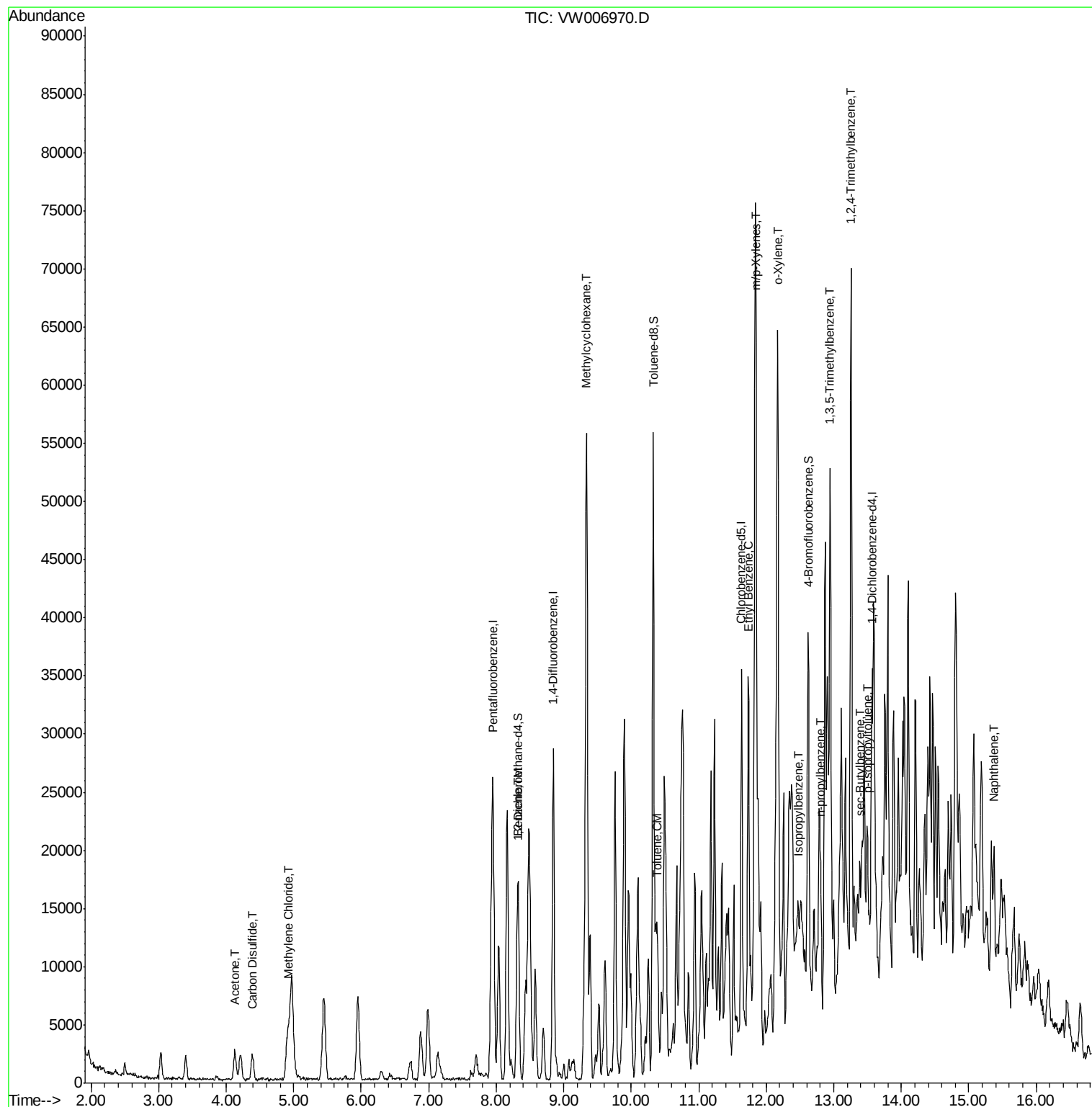
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
16) Acetone	4.13	43	4327	217.494	ug/l #	87
17) Carbon Disulfide	4.39	76	4350	12.788	ug/l	95
20) Methylene Chloride	4.92	84	1792	10.407	ug/l #	91
39) Methylcyclohexane	9.34	83	20336	81.724	ug/l	97
40) Benzene	8.33	78	12849	22.674	ug/l	97
52) Toluene	10.39	92	5090	13.426	ug/l	94
67) Ethyl Benzene	11.73	91	19929	31.177	ug/l	95
68) m/p-Xylenes	11.84	106	22269	89.462	ug/l	97
69) o-Xylene	12.17	106	14727	62.336	ug/l	97
73) Isopropylbenzene	12.47	105	3054	6.085	ug/l	97
78) n-propylbenzene	12.81	91	7809	12.949	ug/l	99
80) 1,3,5-Trimethylbenzene	12.95	105	15312	35.433	ug/l	97
84) 1,2,4-Trimethylbenzene	13.26	105	33304	76.715	ug/l	99
85) sec-Butylbenzene	13.39	105	2878	5.496	ug/l #	59
86) p-Isopropyltoluene	13.51	119	2940	6.424	ug/l	100
95) Naphthalene	15.38	128	8787	37.268	ug/l #	84

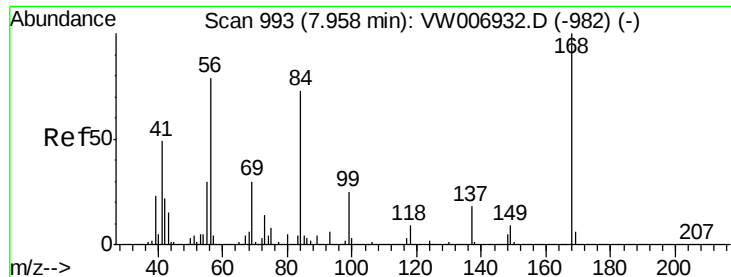
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.95 min Scan# 992

Delta R.T. -0.01 min

Lab File: VW006970.D

Acq: 20 Nov 2018 03:21

Instrument :

MSVOA_W

ClientSampleId :

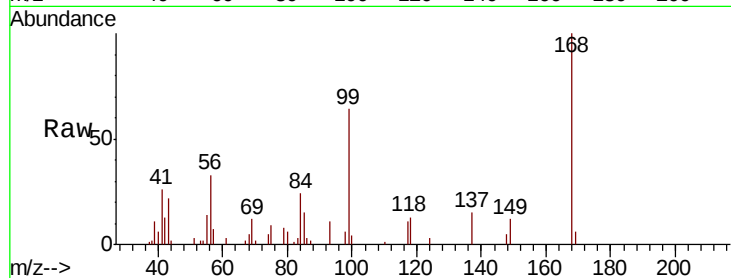
20180929-AMENDED-WCC-2-COMP

Tot Ion:168 Resp: 11671

Ion Ratio Lower Upper

168 100

99 64.1 49.3 73.9



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW

7.95

6000

5000

4000

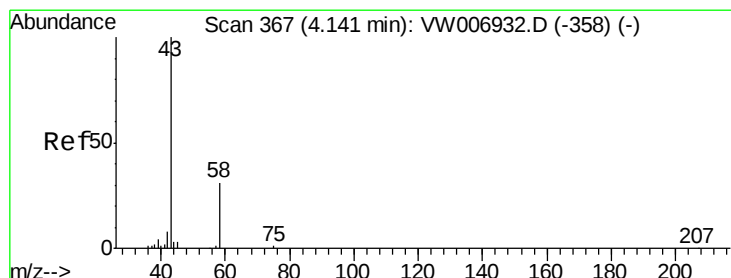
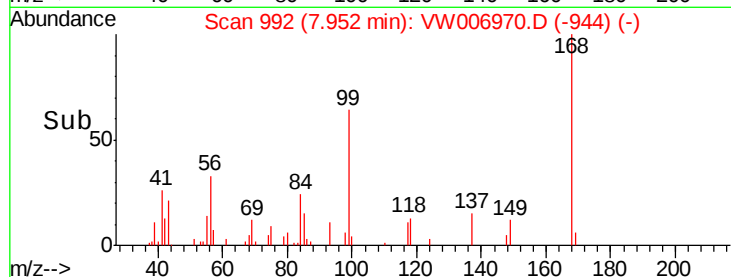
3000

2000

1000

0

Time--> 7.85 7.90 7.95 8.00 8.05



#16

Acetone

Concen: 217.494 ug/l

RT: 4.13 min Scan# 365

Delta R.T. -0.01 min

Lab File: VW006970.D

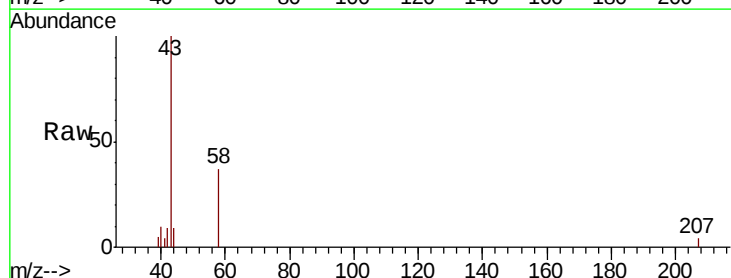
Acq: 20 Nov 2018 03:21

Tgt Ion: 43 Resp: 4327

Ion Ratio Lower Upper

43 100

58 37.3 24.2 36.4#



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW

4.13

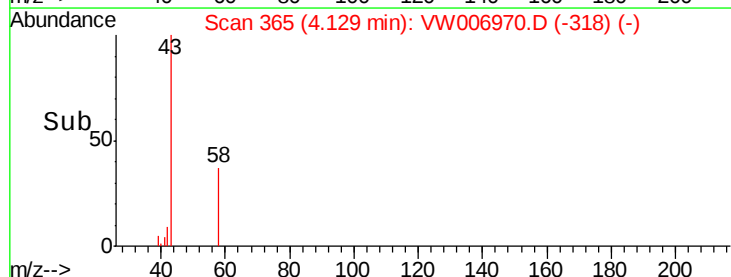
1500

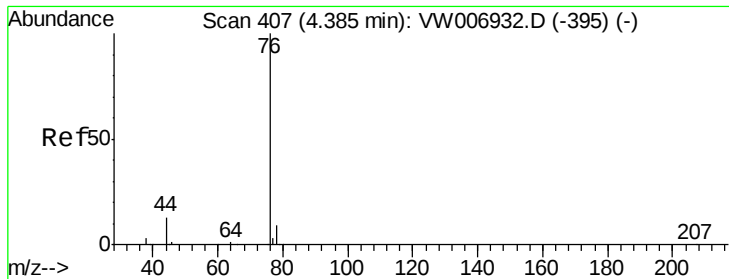
1000

500

0

Time--> 4.00 4.10 4.20





#17

Carbon Disulfide

Concen: 12.788 ug/l

RT: 4.39 min Scan# 407

Delta R.T. 0.00 min

Lab File: VW006970.D

Acq: 20 Nov 2018 03:21

Instrument :

MSVOA_W

ClientSampleId :

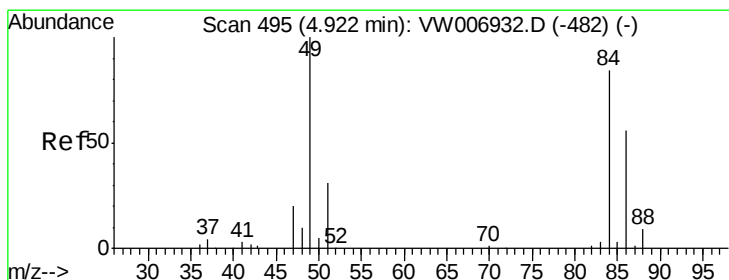
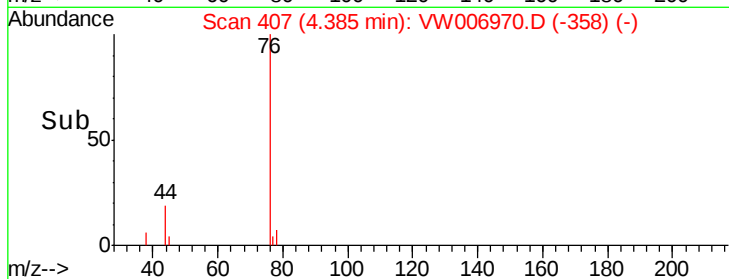
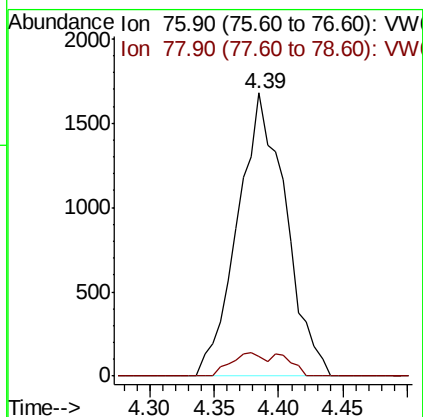
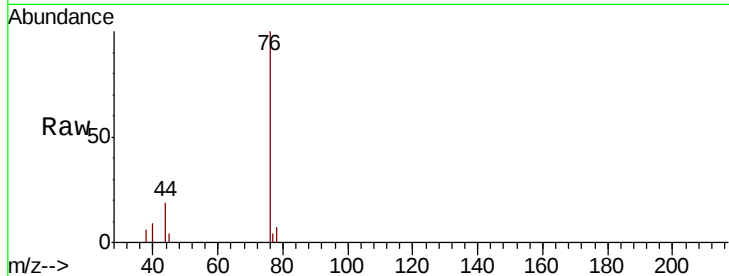
20180929-AMENDED-WCC-2-COMP

Tot Ion: 76 Resp: 4350

Ion Ratio Lower Upper

76 100

78 7.2 7.1 10.7



#20

Methylene Chloride

Concen: 10.407 ug/l

RT: 4.92 min Scan# 495

Delta R.T. 0.00 min

Lab File: VW006970.D

Acq: 20 Nov 2018 03:21

Tgt Ion: 84 Resp: 1792

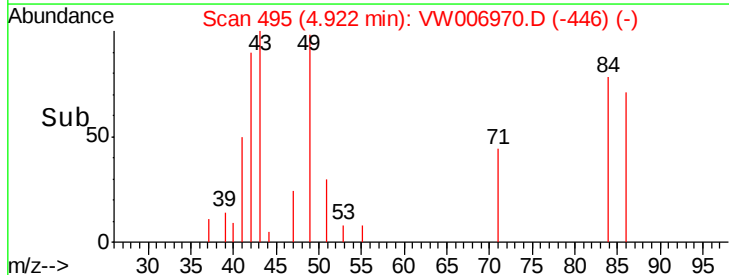
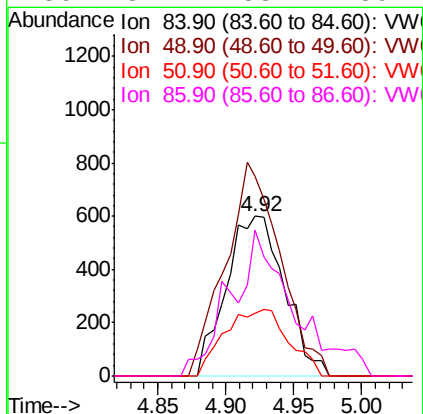
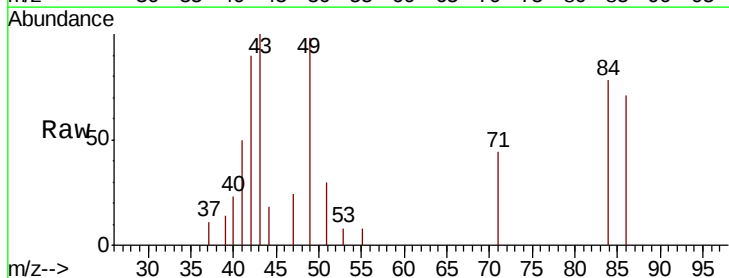
Ion Ratio Lower Upper

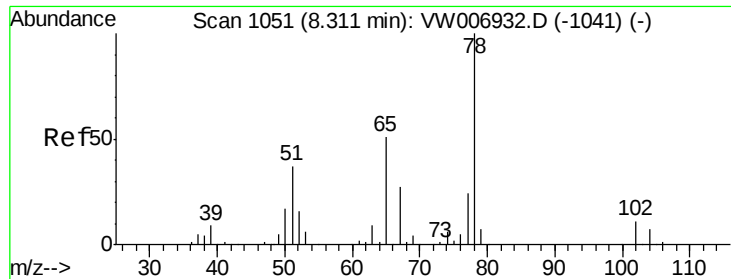
84 100

49 125.3 95.4 143.2

51 39.0 29.5 44.3

86 81.2 53.4 80.2#





#33

1,2-Dichloroethane-d4

Concen: 48.867 ug/l

RT: 8.31 min Scan# 1051

Delta R.T. 0.00 min

Lab File: VW006970.D

Acq: 20 Nov 2018 03:21

Instrument :

MSVOA_W

ClientSampleId :

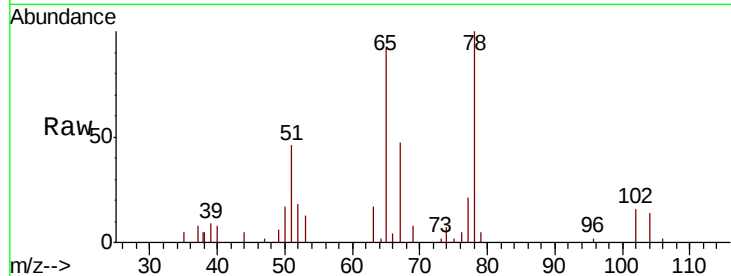
20180929-AMENDED-WCC-2-COMP

Tot Ion: 65 Resp: 6356

Ion Ratio Lower Upper

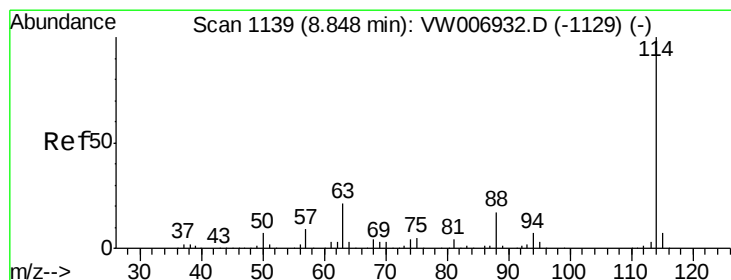
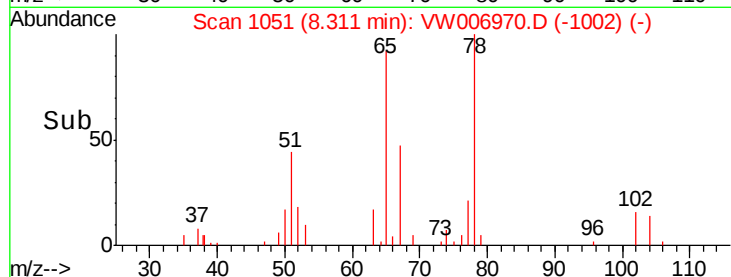
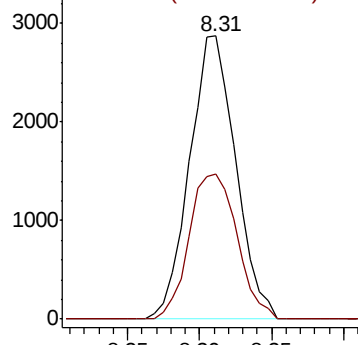
65 100

67 53.5 0.0 104.0



Abundance Ion 64.90 (64.60 to 65.60): VW

Ion 66.90 (66.60 to 67.60): VW



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.85 min Scan# 1139

Delta R.T. 0.00 min

Lab File: VW006970.D

Acq: 20 Nov 2018 03:21

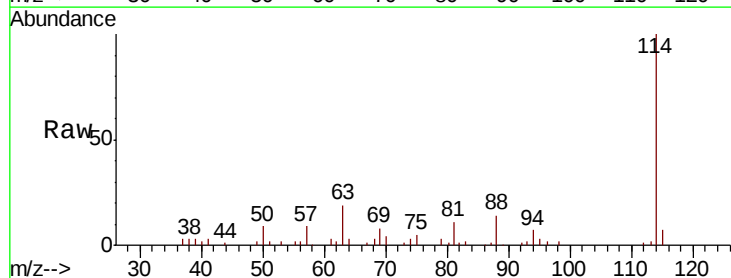
Tgt Ion: 114 Resp: 21047

Ion Ratio Lower Upper

114 100

63 19.0 0.0 42.2

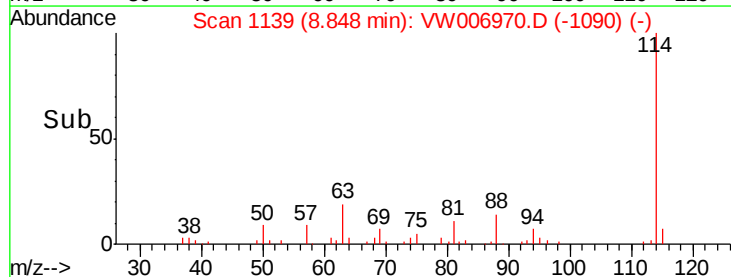
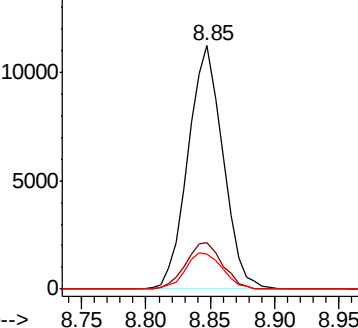
88 14.3 0.0 33.4

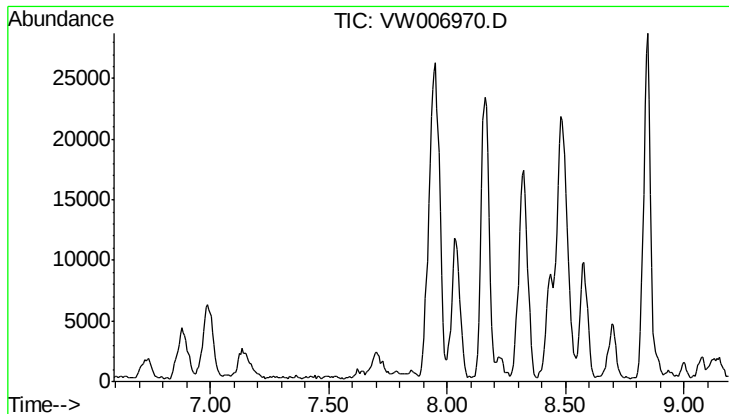


Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VW

Ion 87.90 (87.60 to 88.60): VW

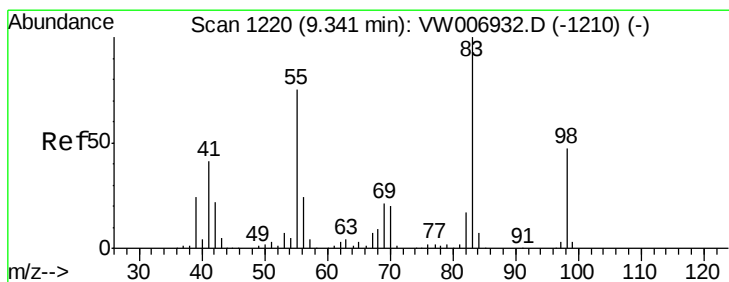
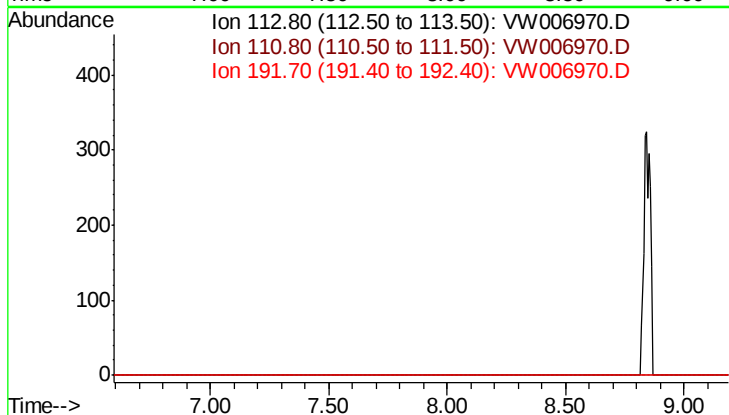




#35
 Dibromofluoromethane
 Concen: 0.000 ug/l
 Expected RT: 7.89 min
 Lab File: VW006970.D
 Acq: 20 Nov 2018 03:21

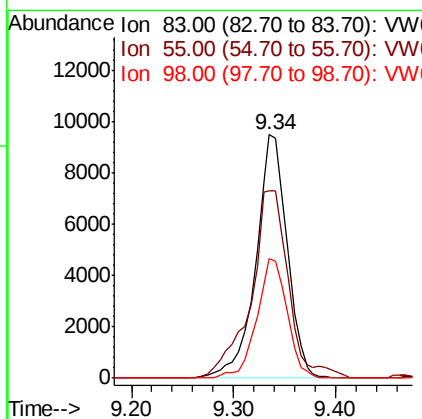
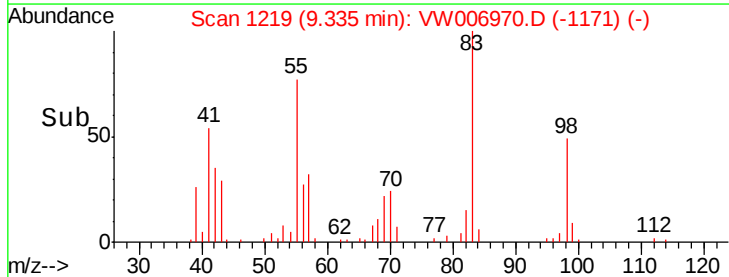
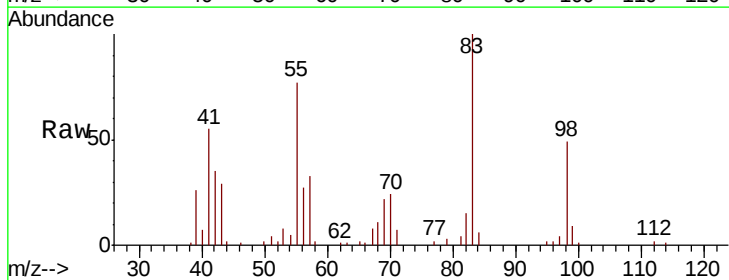
Instrument :
 MSVOA_W
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 20180929-AMENDED-WCC-2-COMP

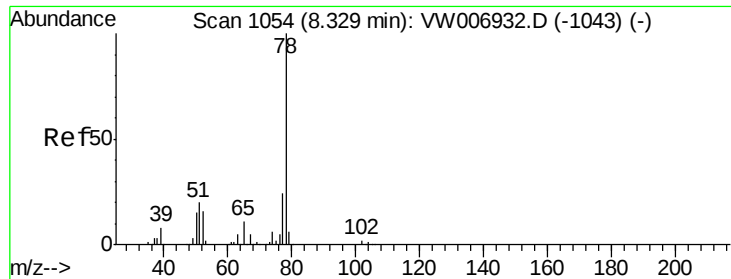
Tot Ion: 113
 Sig Exp Ratio
 113 100
 111 102.1
 192 17.4



#39
 Methylcyclohexane
 Concen: 81.724 ug/l
 RT: 9.34 min Scan# 1219
 Delta R.T. -0.01 min
 Lab File: VW006970.D
 Acq: 20 Nov 2018 03:21

Tgt Ion: 83 Resp: 20336
 Ion Ratio Lower Upper
 83 100
 55 77.2 60.2 90.4
 98 48.9 37.3 55.9

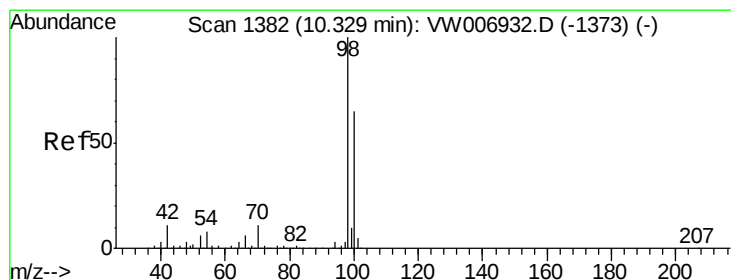
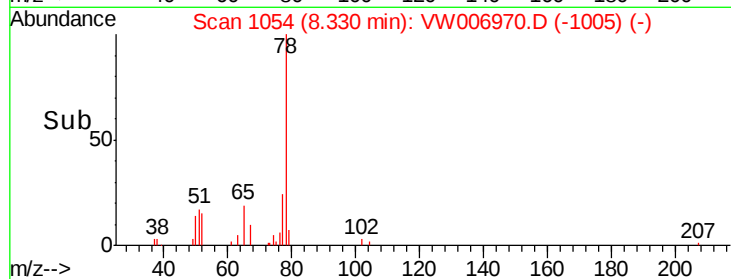
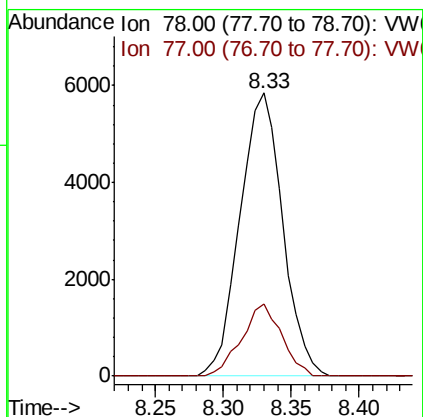
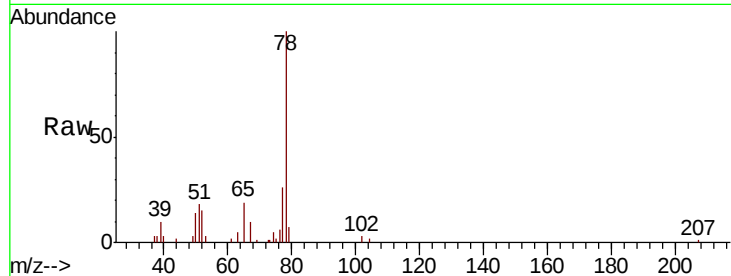




#40
Benzene
Concen: 22.674 ug/l
RT: 8.33 min Scan# 1054
Delta R.T. 0.00 min
Lab File: VW006970.D
Acq: 20 Nov 2018 03:21

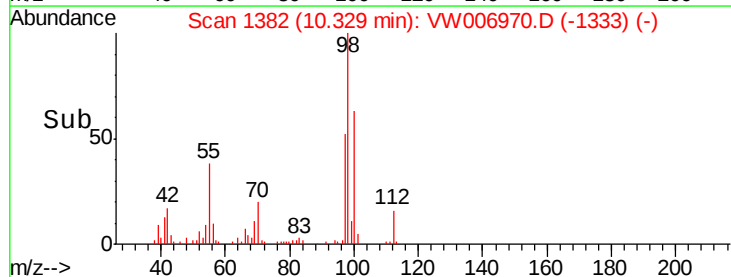
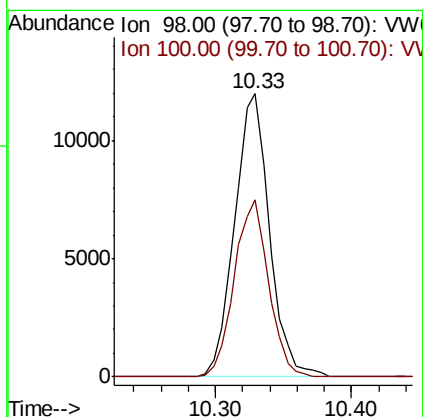
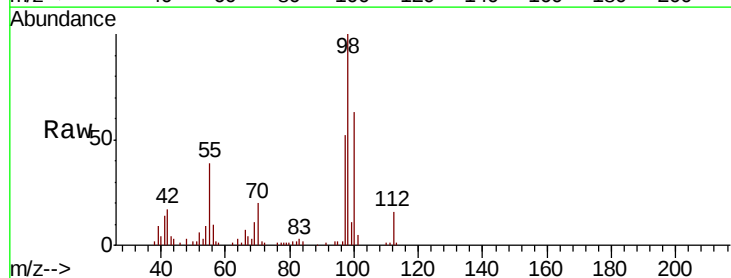
Instrument :
MSVOA_W
ClientSampleId :
20180929-AMENDED-WCC-2-COMP

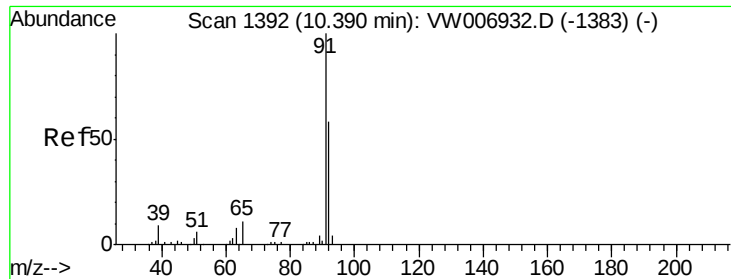
Tot Ion: 78 Resp: 12849
Ion Ratio Lower Upper
78 100
77 25.6 19.3 28.9



#50
Toluene-d8
Concen: 40.410 ug/l
RT: 10.33 min Scan# 1382
Delta R.T. 0.00 min
Lab File: VW006970.D
Acq: 20 Nov 2018 03:21

Tgt Ion: 98 Resp: 21401
Ion Ratio Lower Upper
98 100
100 61.4 52.3 78.5





#52

Toluene

Concen: 13.426 ug/l

RT: 10.39 min Scan# 1392

Delta R.T. 0.00 min

Lab File: VW006970.D

Acq: 20 Nov 2018 03:21

Instrument :

MSVOA_W

ClientSampleId :

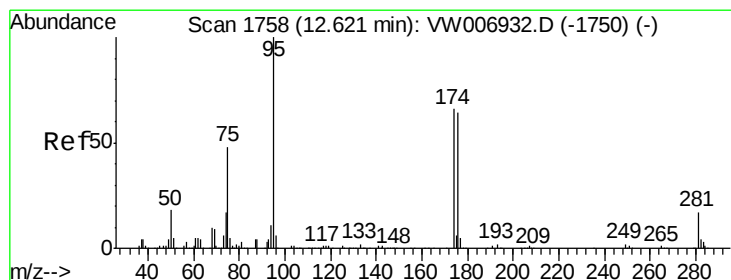
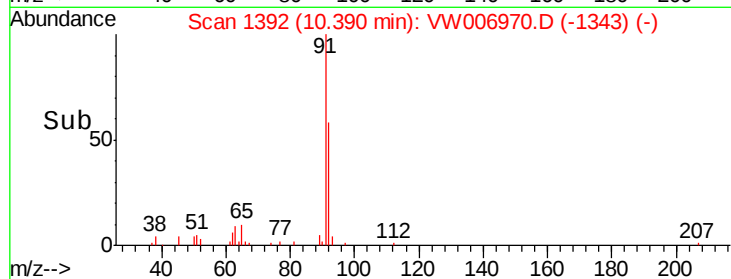
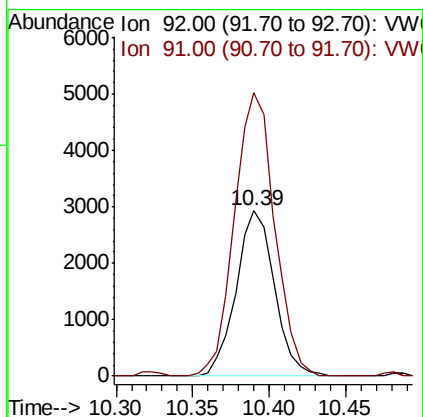
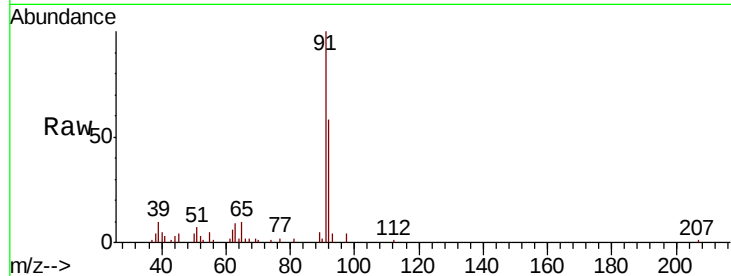
20180929-AMENDED-WCC-2-COMP

Tot Ion: 92 Resp: 5090

Ion Ratio Lower Upper

92 100

91 180.0 137.3 205.9



#62

4-Bromofluorobenzene

Concen: 35.946 ug/l

RT: 12.62 min Scan# 1758

Delta R.T. 0.00 min

Lab File: VW006970.D

Acq: 20 Nov 2018 03:21

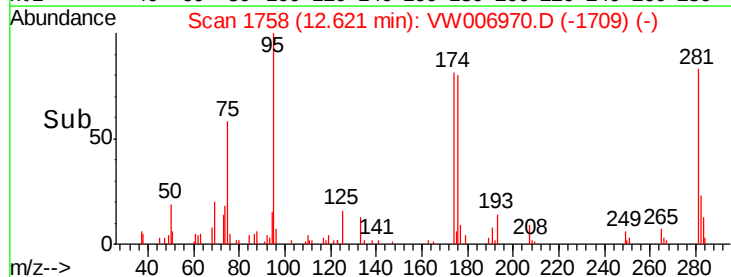
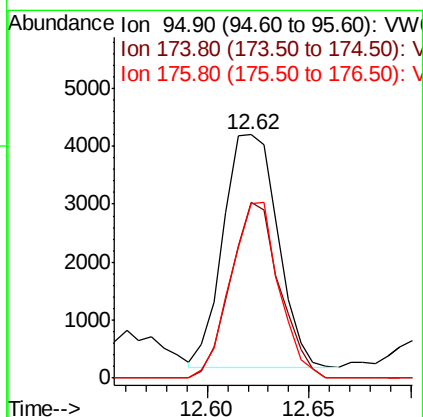
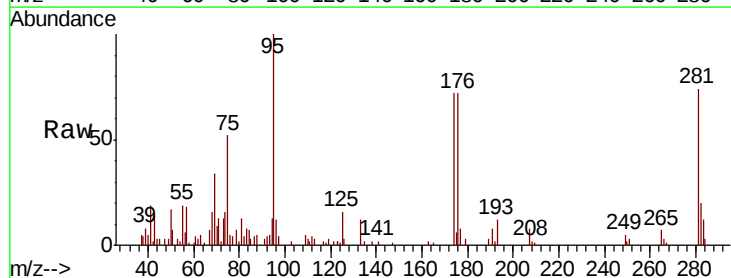
Tgt Ion: 95 Resp: 7423

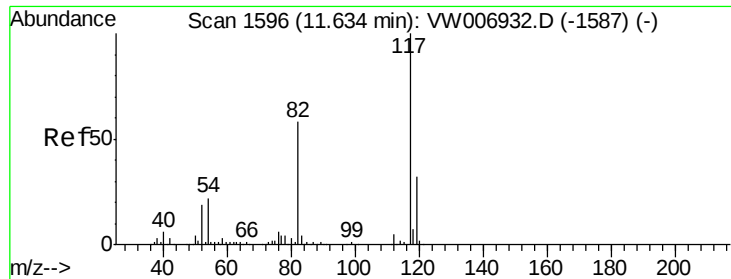
Ion Ratio Lower Upper

95 100

174 67.7 0.0 138.4

176 66.8 0.0 133.4

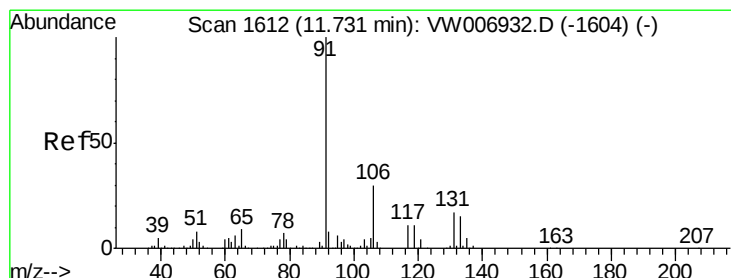
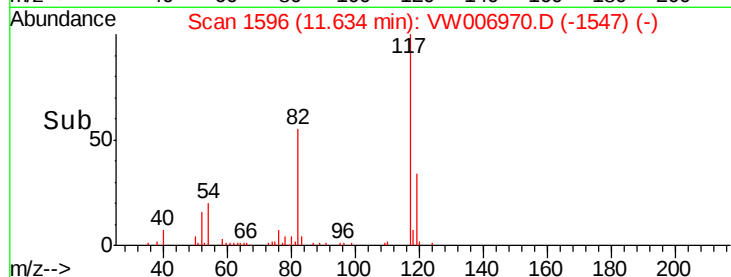
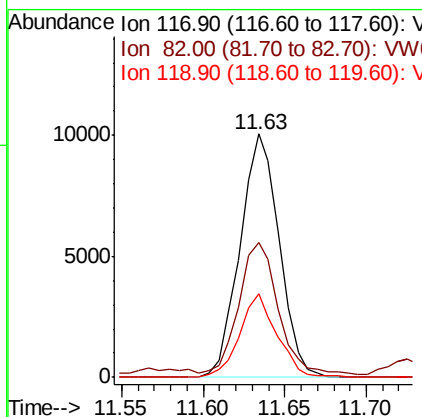
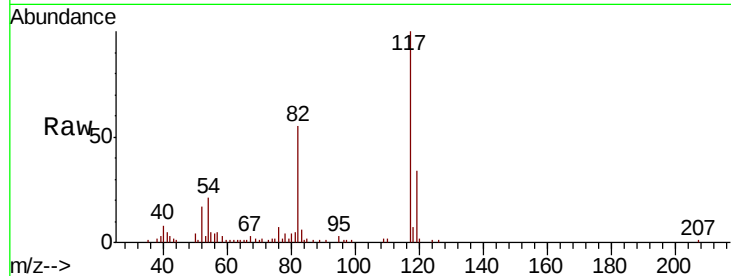




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1596
Delta R.T. 0.00 min
Lab File: VW006970.D
Acq: 20 Nov 2018 03:21

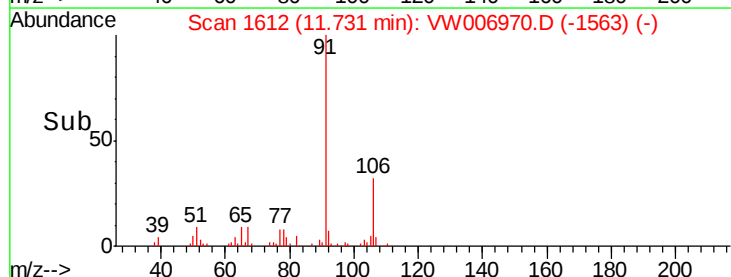
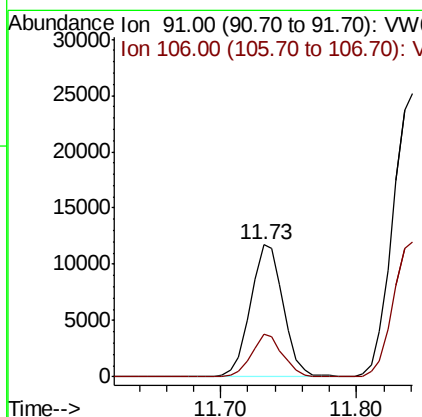
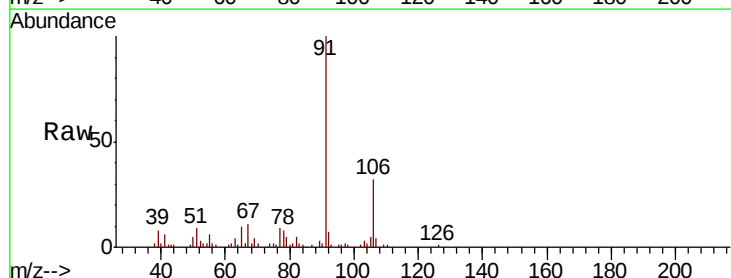
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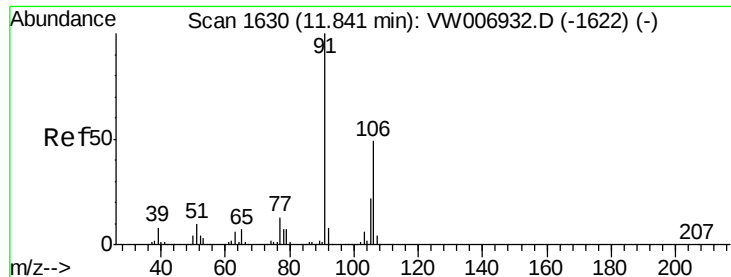
Tot Ion:117 Resp: 16791
Ion Ratio Lower Upper
117 100
82 53.3 46.2 69.2
119 34.4 25.5 38.3



#67
Ethyl Benzene
Concen: 31.177 ug/l
RT: 11.73 min Scan# 1612
Delta R.T. 0.00 min
Lab File: VW006970.D
Acq: 20 Nov 2018 03:21

Tgt Ion: 91 Resp: 19929
Ion Ratio Lower Upper
91 100
106 32.5 24.0 36.0

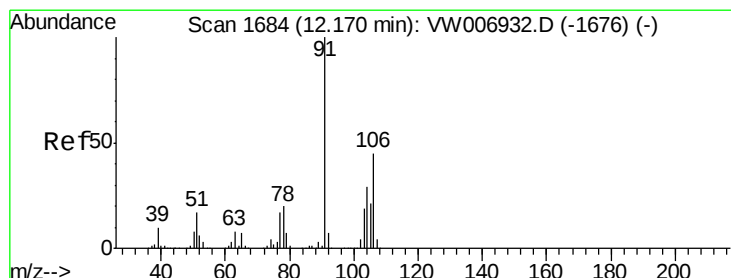
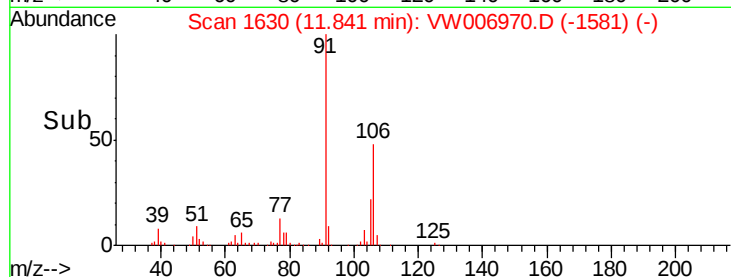
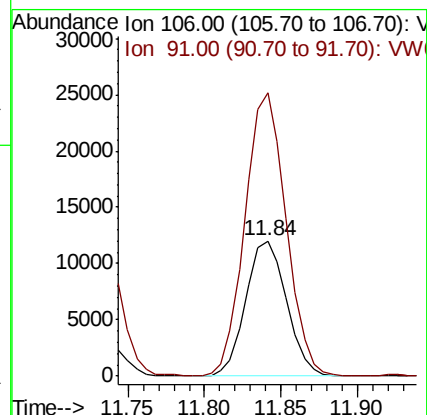
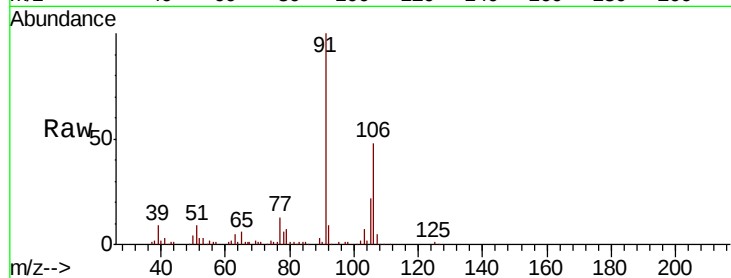




#68
m/p-Xylenes
Concen: 89.462 ug/l
RT: 11.84 min Scan# 1630
Delta R.T. 0.00 min
Lab File: VW006970.D
Acq: 20 Nov 2018 03:21

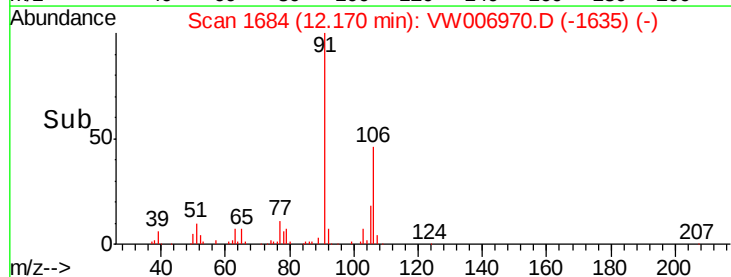
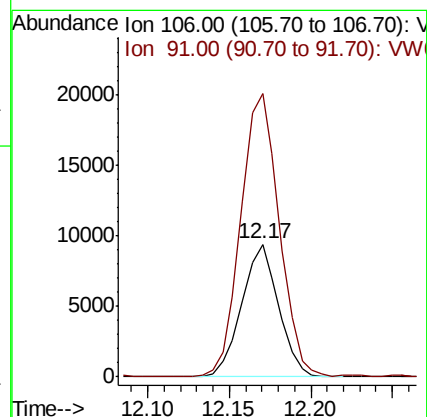
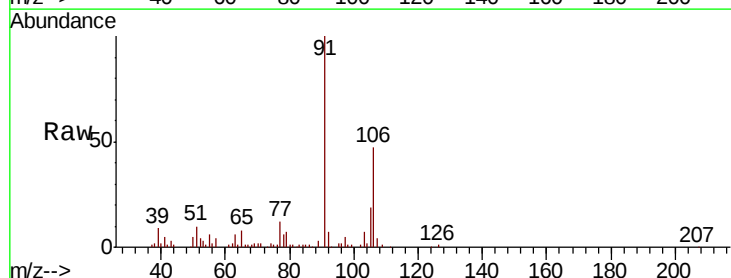
Instrument :
MSVOA_W
ClientSampleId :
20180929-AMENDED-WCC-2-COMP

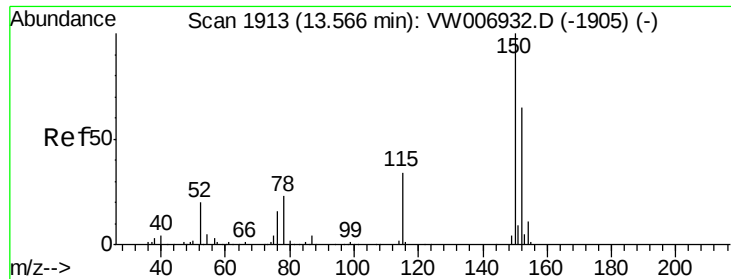
Tot Ion:106 Resp: 22269
Ion Ratio Lower Upper
106 100
91 211.0 165.0 247.4



#69
o-Xylene
Concen: 62.336 ug/l
RT: 12.17 min Scan# 1684
Delta R.T. 0.00 min
Lab File: VW006970.D
Acq: 20 Nov 2018 03:21

Tgt Ion:106 Resp: 14727
Ion Ratio Lower Upper
106 100
91 223.9 109.2 327.6



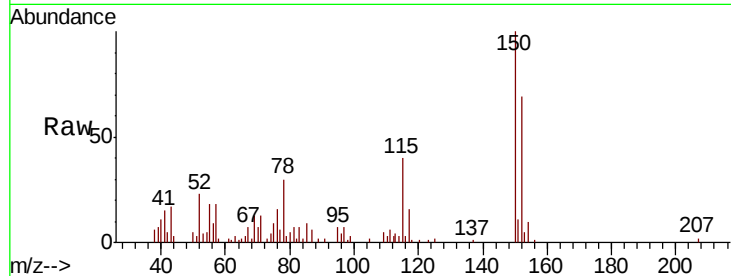


#72

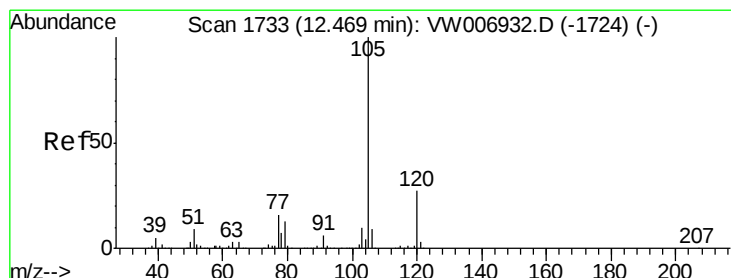
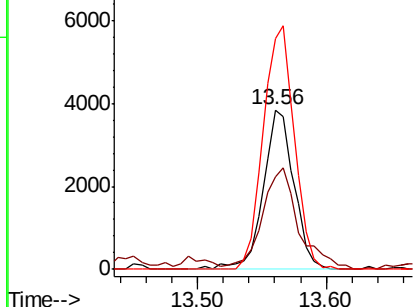
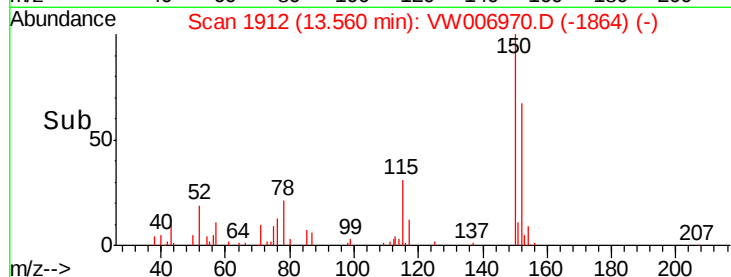
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.56 min Scan# 1912
Delta R.T. -0.01 min
Lab File: VW006970.D
Acq: 20 Nov 2018 03:21

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

Tot Ion:152 Resp: 6337
Ion Ratio Lower Upper
152 100
115 75.7 31.6 94.7
150 154.7 0.0 350.0



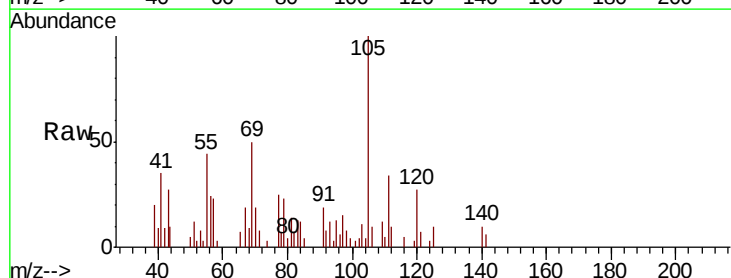
Abundance Ion 151.90 (151.60 to 152.60): V
Ion 114.90 (114.60 to 115.60): V
Ion 149.90 (149.60 to 150.60): V



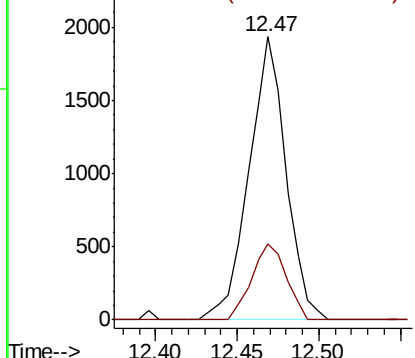
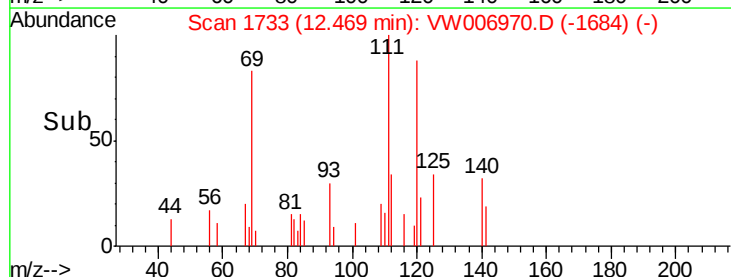
#73

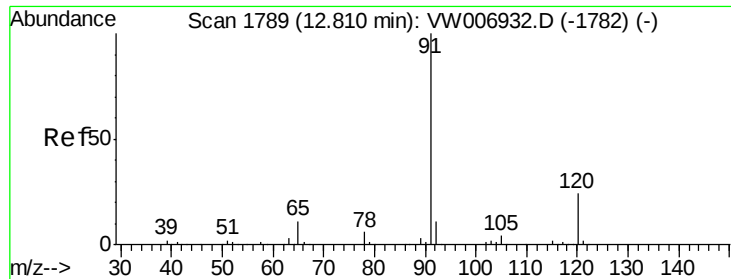
Isopropylbenzene
Concen: 6.085 ug/l
RT: 12.47 min Scan# 1733
Delta R.T. 0.00 min
Lab File: VW006970.D
Acq: 20 Nov 2018 03:21

Tgt Ion:105 Resp: 3054
Ion Ratio Lower Upper
105 100
120 25.0 13.2 39.6



Abundance Ion 105.00 (104.70 to 105.70): V
Ion 120.00 (119.70 to 120.70): V

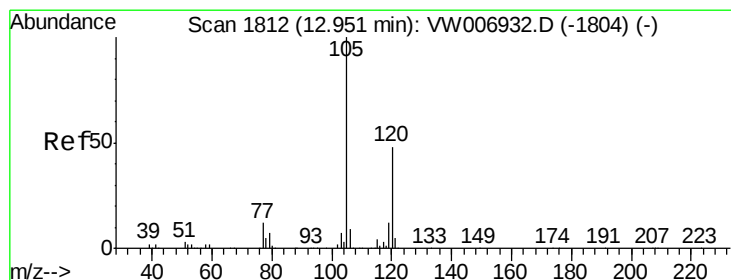
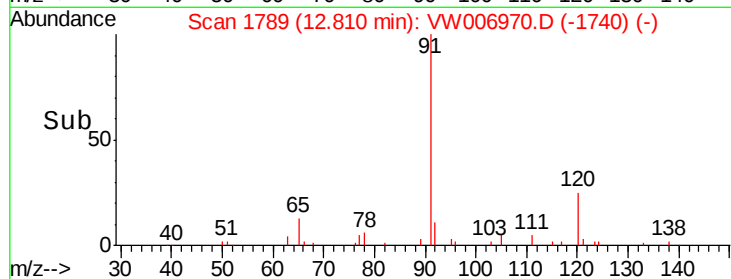
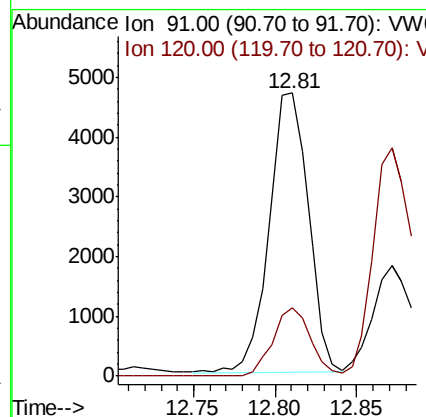
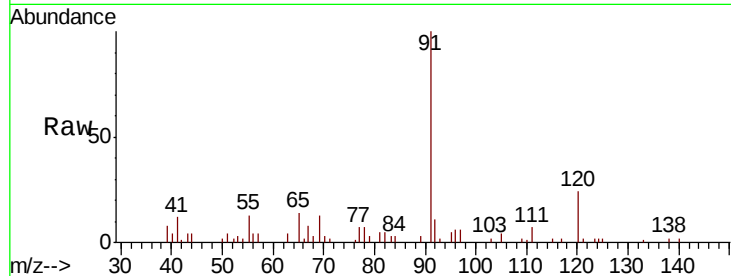




#78
n-propylbenzene
Concen: 12.949 ug/l
RT: 12.81 min Scan# 1789
Delta R.T. 0.00 min
Lab File: VW006970.D
Acq: 20 Nov 2018 03:21

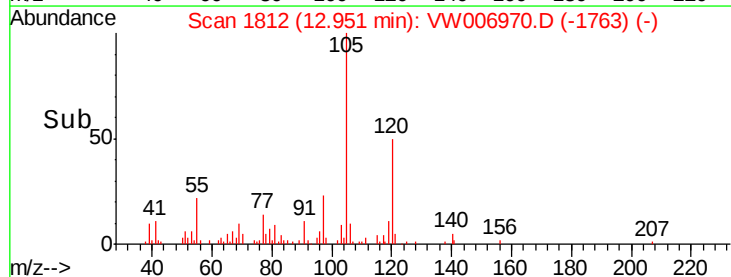
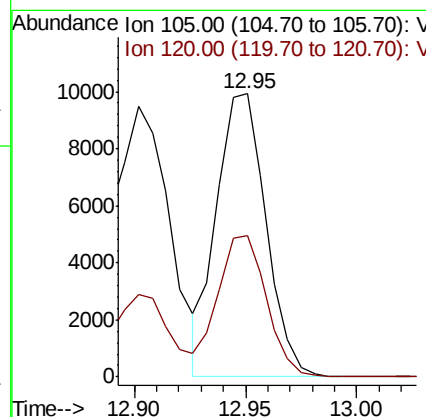
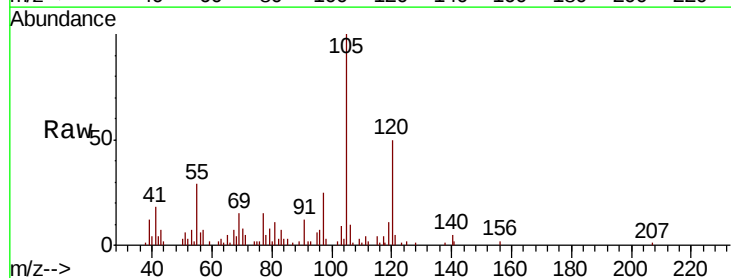
Instrument :
MSVOA_W
ClientSampleId :
20180929-AMENDED-WCC-2-COMP

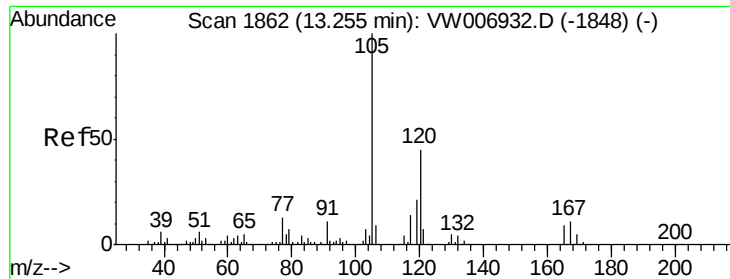
Tot Ion: 91 Resp: 7809
Ion Ratio Lower Upper
91 100
120 23.4 11.5 34.5



#80
1,3,5-Trimethylbenzene
Concen: 35.433 ug/l
RT: 12.95 min Scan# 1812
Delta R.T. 0.00 min
Lab File: VW006970.D
Acq: 20 Nov 2018 03:21

Tgt Ion: 105 Resp: 15312
Ion Ratio Lower Upper
105 100
120 49.1 23.5 70.5

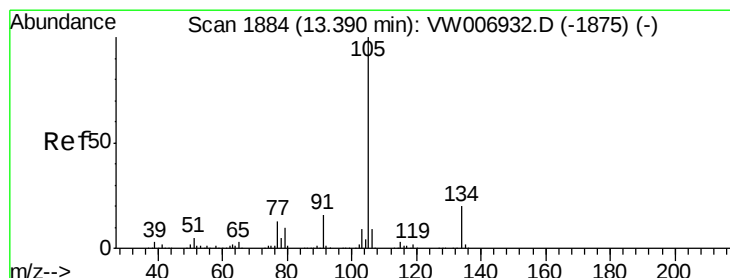
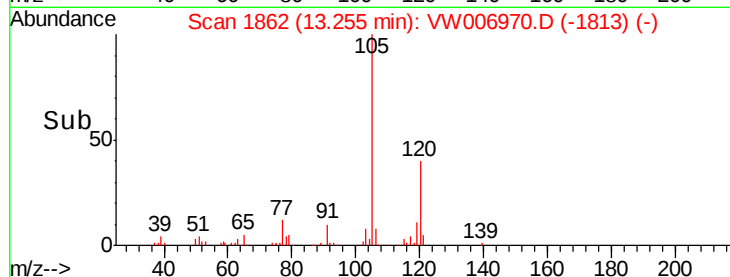
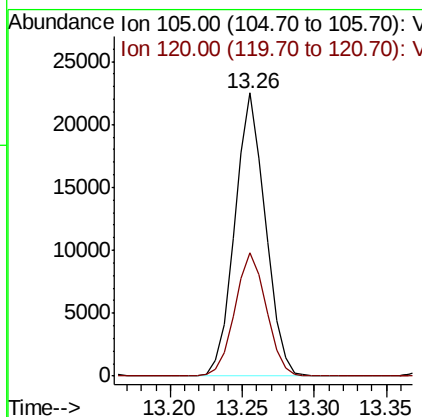
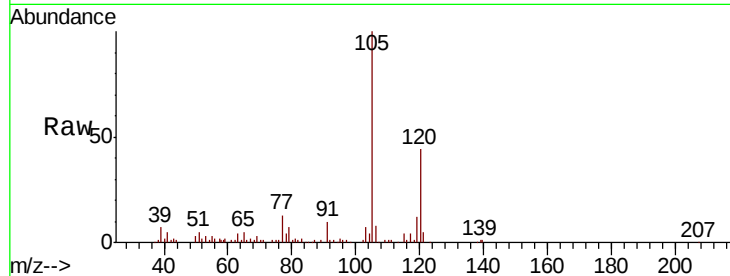




#84
 1,2,4-Trimethylbenzene
 Concen: 76.715 ug/l
 RT: 13.26 min Scan# 1862
 Delta R.T. 0.00 min
 Lab File: VW006970.D
 Acq: 20 Nov 2018 03:21

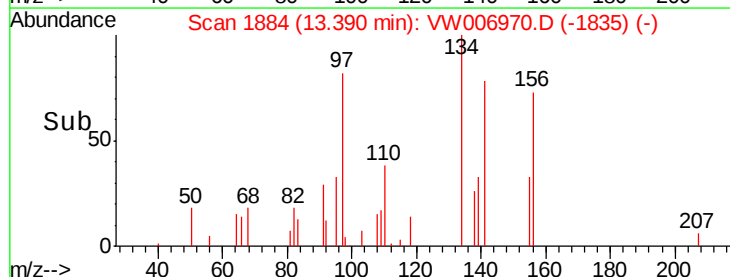
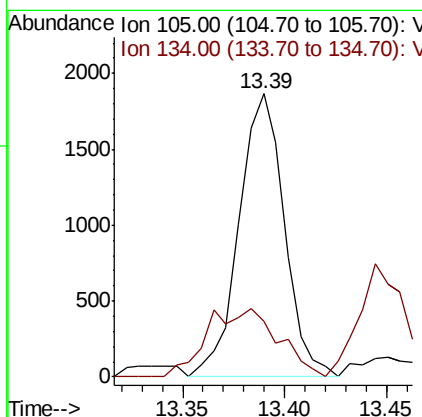
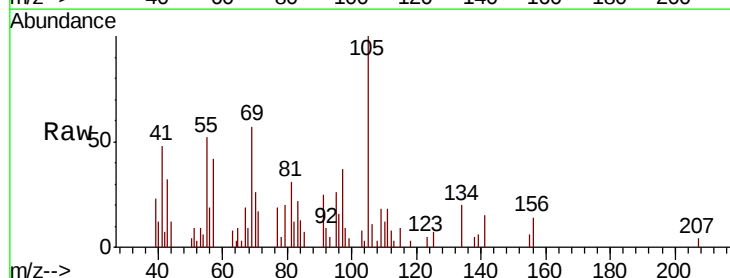
Instrument :
 MSVOA_W
 ClientSampleId :
 20180929-AMENDED-WCC-2-COMP

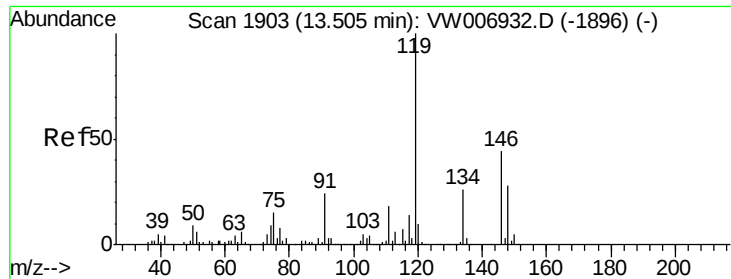
Tot Ion:105 Resp: 33304
 Ion Ratio Lower Upper
 105 100
 120 44.7 21.9 65.8



#85
 sec-Butylbenzene
 Concen: 5.496 ug/l
 RT: 13.39 min Scan# 1884
 Delta R.T. 0.00 min
 Lab File: VW006970.D
 Acq: 20 Nov 2018 03:21

Tgt Ion:105 Resp: 2878
 Ion Ratio Lower Upper
 105 100
 134 38.2 9.8 29.4#

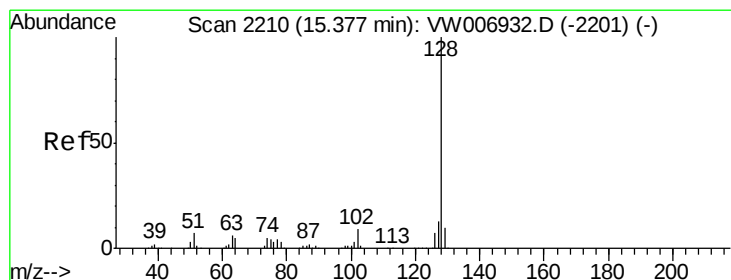
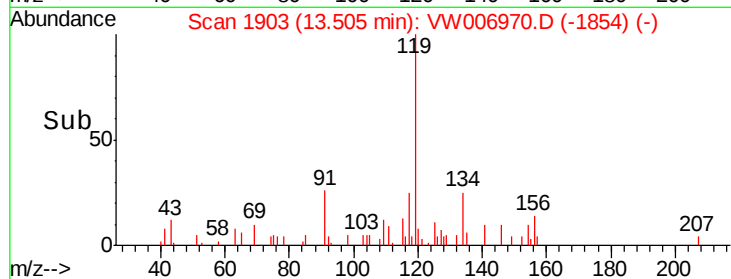
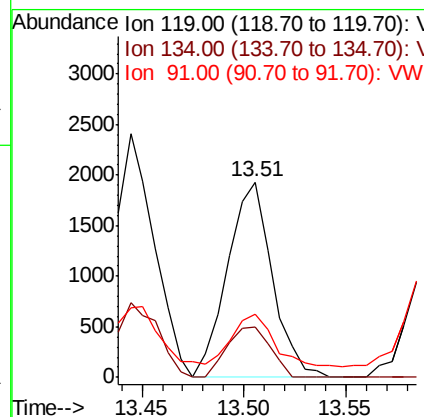
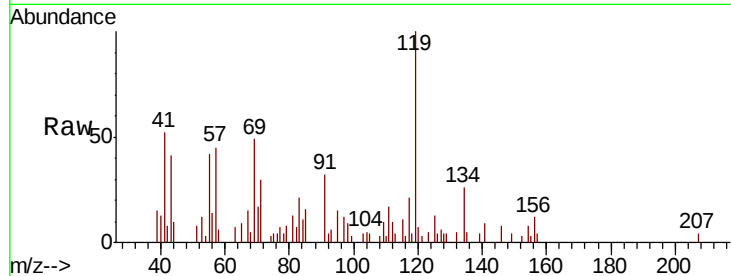




#86
 p-Isopropyltoluene
 Concen: 6.424 ug/l
 RT: 13.51 min Scan# 1903
 Delta R.T. 0.00 min
 Lab File: VW006970.D
 Acq: 20 Nov 2018 03:21

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

Tot Ion:119 Resp: 2940
 Ion Ratio Lower Upper
 119 100
 134 25.1 12.7 38.1
 91 24.7 12.4 37.2



#95
 Naphthalene
 Concen: 37.268 ug/l
 RT: 15.38 min Scan# 2210
 Delta R.T. 0.00 min
 Lab File: VW006970.D
 Acq: 20 Nov 2018 03:21

Tgt Ion:128 Resp: 8787
 Ion Ratio Lower Upper
 128 100
 127 17.7 10.6 15.8#
 129 18.6 8.5 12.7#

