

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW112118\
 Data File : VW006992.D
 Acq On : 20 Nov 2018 23:05
 Operator : SY/AP
 Sample : J5993-06RE
 Misc : 5.07G/5ML/MSVOA_W/SOIL
 ALS Vial : 24 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 20180930-AMENDED-WCC-3-COMP

Quant Time: Nov 21 13:42:27 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	98512	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	165969	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	130850	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	49847	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.30	65	42220	43.78	ug/l	0.00
Spiked Amount	50.000		Recovery	=	87.56%	
35) Dibromofluoromethane	7.94	113	135	0.14	ug/l	0.05
Spiked Amount	50.000		Recovery	=	0.28%	
50) Toluene-d8	10.32	98	179083	43.27	ug/l	0.00
Spiked Amount	50.000		Recovery	=	86.54%	
62) 4-Bromofluorobenzene	12.62	95	60037	36.86	ug/l	0.00
Spiked Amount	50.000		Recovery	=	73.72%	

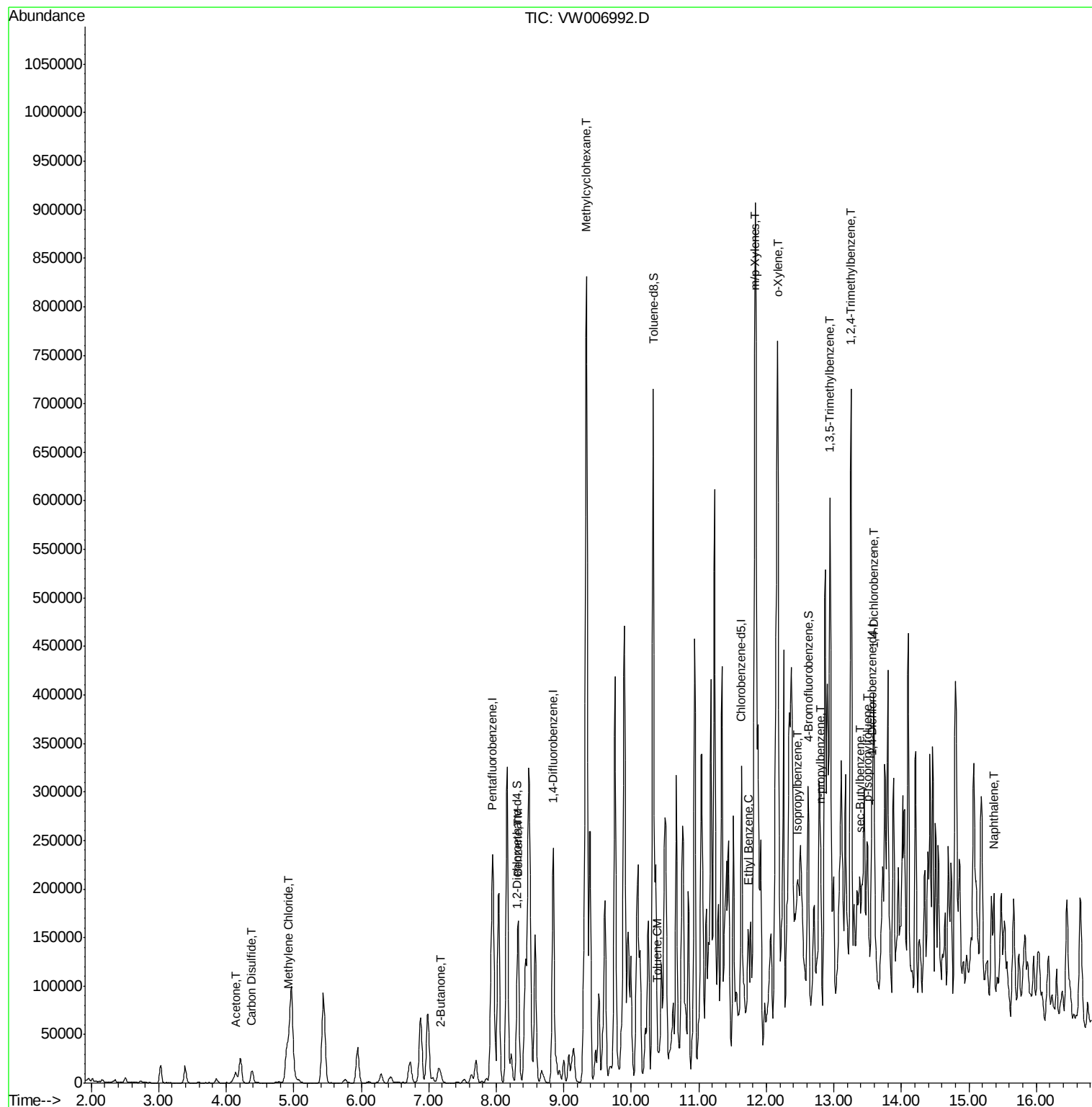
Target Compounds					Qvalue	
16) Acetone	4.14	43	21627	154.45	ug/l	96
17) Carbon Disulfide	4.38	76	27499	9.54	ug/l	100
20) Methylene Chloride	4.92	84	10712	4.71	ug/l #	90
25) 2-Butanone	7.18	43	8226	34.30	ug/l #	87
39) Methylcyclohexane	9.34	83	290935	143.34	ug/l	95
40) Benzene	8.32	78	138725	31.69	ug/l	100
52) Toluene	10.39	92	8328	2.80	ug/l	96
67) Ethyl Benzene	11.73	91	35045	6.99	ug/l	98
68) m/p-Xylenes	11.84	106	267008	135.65	ug/l	99
69) o-Xylene	12.17	106	170313	91.76	ug/l	98
73) Isopropylbenzene	12.47	105	36669	9.47	ug/l	100
78) n-propylbenzene	12.81	91	98225	20.93	ug/l	99
80) 1,3,5-Trimethylbenzene	12.94	105	157360	46.97	ug/l	99
84) 1,2,4-Trimethylbenzene	13.26	105	335969	100.66	ug/l	98
85) sec-Butylbenzene	13.39	105	31043	7.58	ug/l #	57
86) p-Isopropyltoluene	13.51	119	43626	12.07	ug/l	98
88) 1,4-Dichlorobenzene	13.58	146	16704	9.86	ug/l #	78
95) Naphthalene	15.37	128	77393	43.44	ug/l #	96

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

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#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 7.95 min Scan# 992

Delta R.T. -0.00 min

Lab File: VW006992.D

Acq: 20 Nov 2018 23:05

Instrument :

MSVOA_W

ClientSampleId :

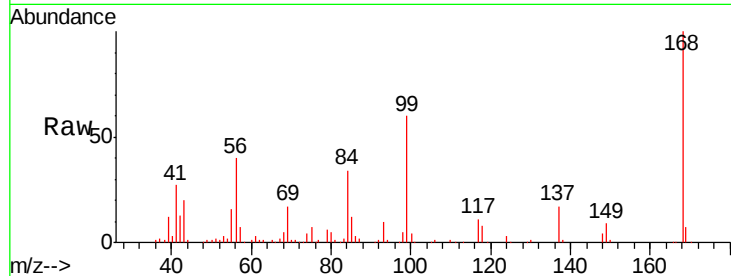
20180930-AMENDED-WCC-3-COMP

Tgt Ion:168 Resp: 98512

Ion Ratio Lower Upper

168 100

99 60.5 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

50000

40000

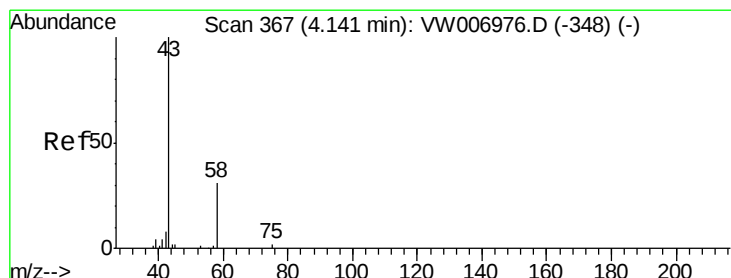
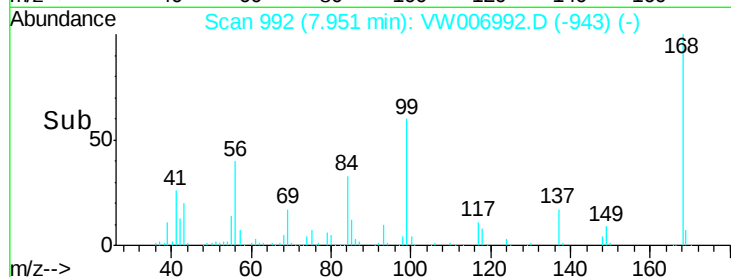
30000

20000

10000

0

Time-->



#16

Acetone

Concen: 154.45 ug/l

RT: 4.14 min Scan# 367

Delta R.T. -0.00 min

Lab File: VW006992.D

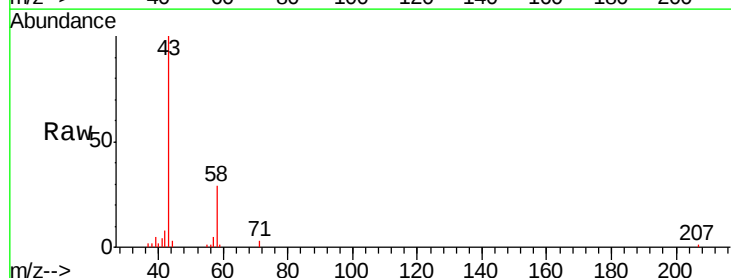
Acq: 20 Nov 2018 23:05

Tgt Ion: 43 Resp: 21627

Ion Ratio Lower Upper

43 100

58 28.9 24.8 37.2



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW

4.14

8000

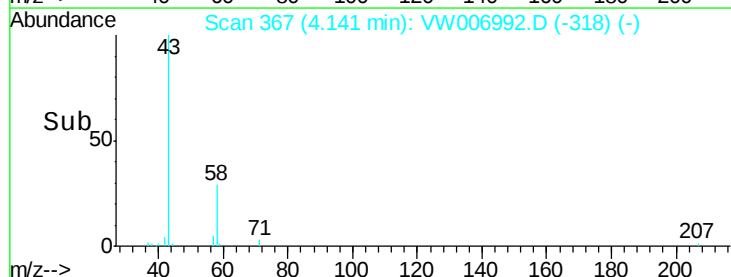
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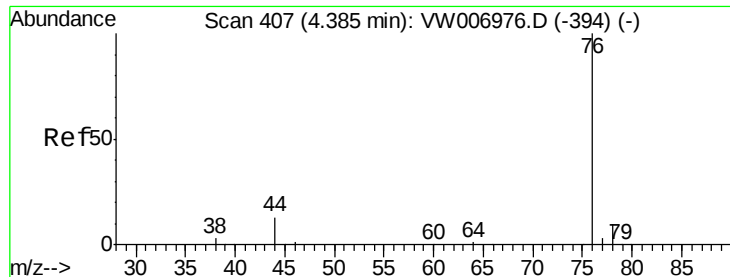
4000

2000

0

Time-->

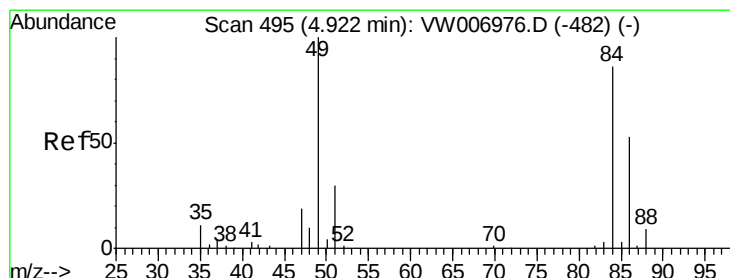
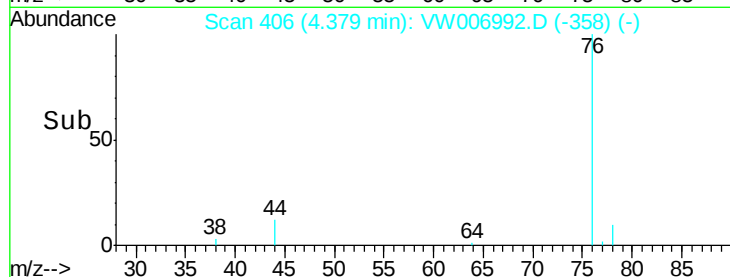
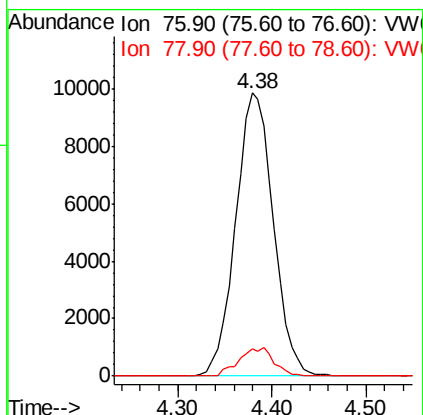
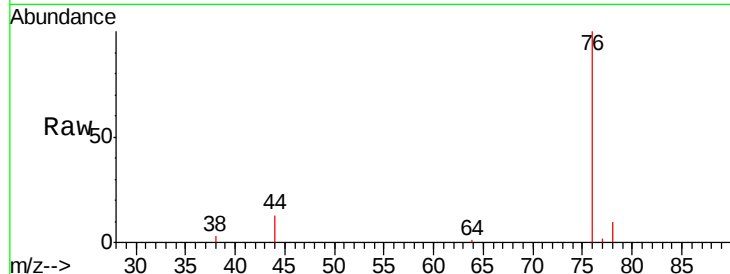




#17
Carbon Disulfide
Concen: 9.54 ug/l
RT: 4.38 min Scan# 406
Delta R.T. -0.01 min
Lab File: VW006992.D
Acq: 20 Nov 2018 23:05

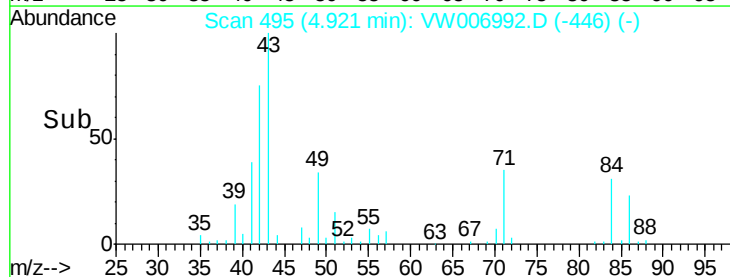
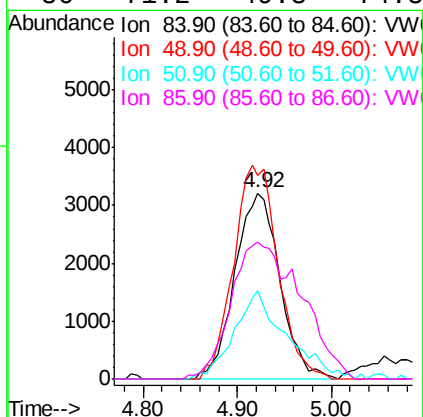
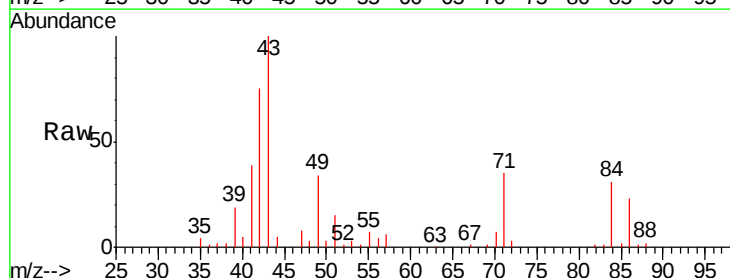
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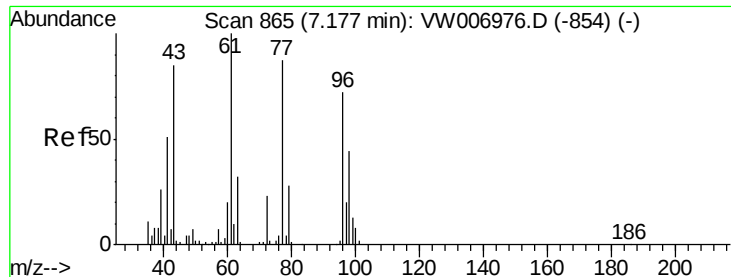
Tgt Ion: 76 Resp: 27499
Ion Ratio Lower Upper
76 100
78 9.8 7.8 11.6



#20
Methylene Chloride
Concen: 4.71 ug/l
RT: 4.92 min Scan# 495
Delta R.T. 0.00 min
Lab File: VW006992.D
Acq: 20 Nov 2018 23:05

Tgt Ion: 84 Resp: 10712
Ion Ratio Lower Upper
84 100
49 109.5 93.4 140.0
51 47.2 28.4 42.6#
86 71.2 49.8 74.8





#25

2-Butanone

Concen: 34.30 ug/l

RT: 7.18 min Scan# 865

Delta R.T. -0.00 min

Lab File: VW006992.D

Acq: 20 Nov 2018 23:05

Instrument :

MSVOA_W

ClientSampleId :

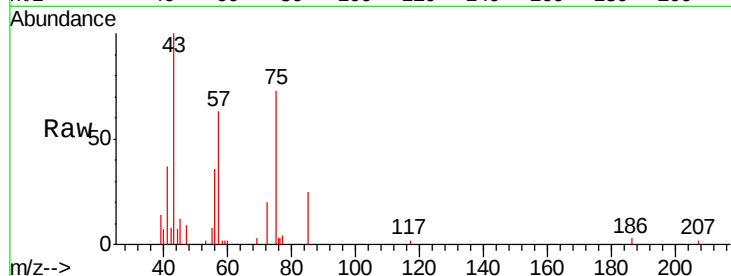
20180930-AMENDED-WCC-3-COMP

Tgt Ion: 43 Resp: 8226

Ion Ratio Lower Upper

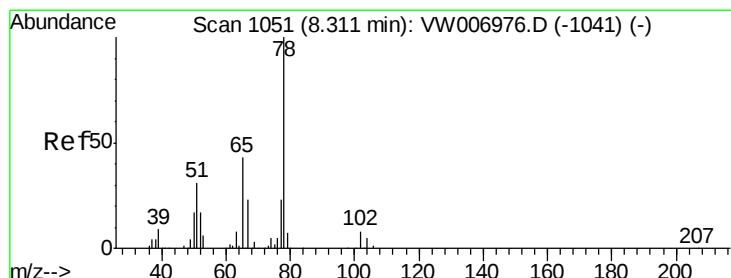
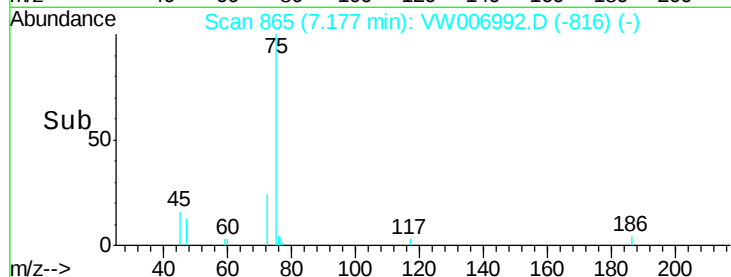
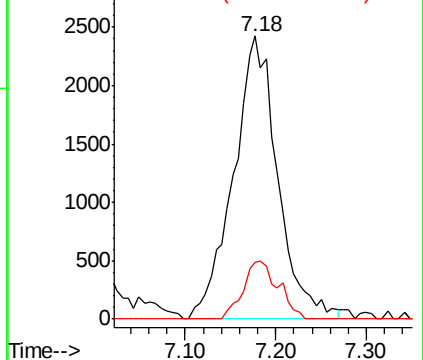
43 100

72 20.1 21.3 31.9#



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 72.00 (71.70 to 72.70): VW



#33

1,2-Dichloroethane-d4

Concen: 43.78 ug/l

RT: 8.30 min Scan# 1050

Delta R.T. -0.01 min

Lab File: VW006992.D

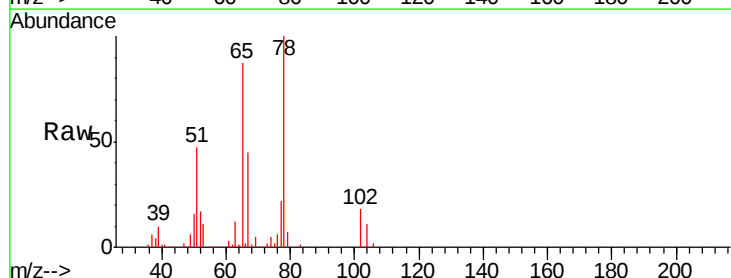
Acq: 20 Nov 2018 23:05

Tgt Ion: 65 Resp: 42220

Ion Ratio Lower Upper

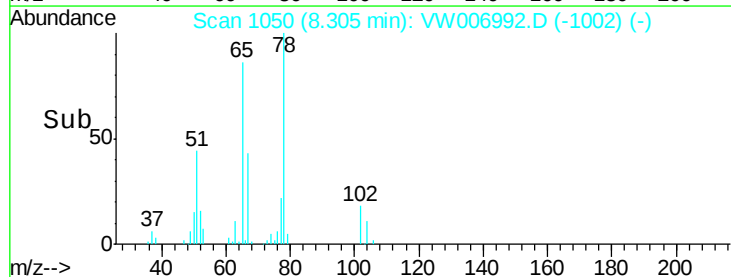
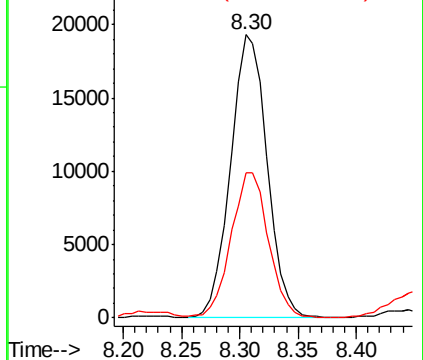
65 100

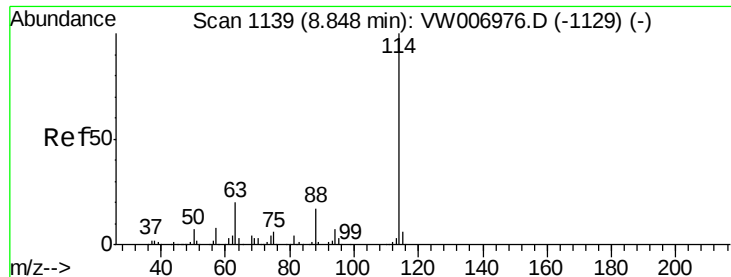
67 52.8 0.0 106.2



Abundance Ion 64.90 (64.60 to 65.60): VW

Ion 66.90 (66.60 to 67.60): VW

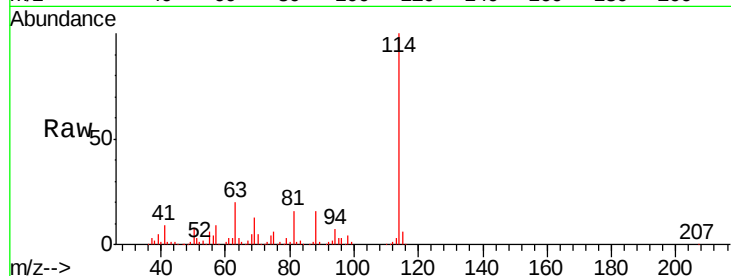




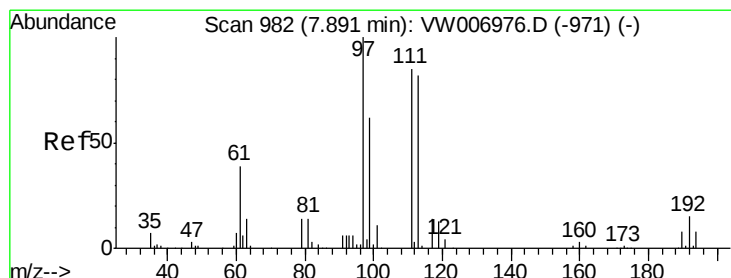
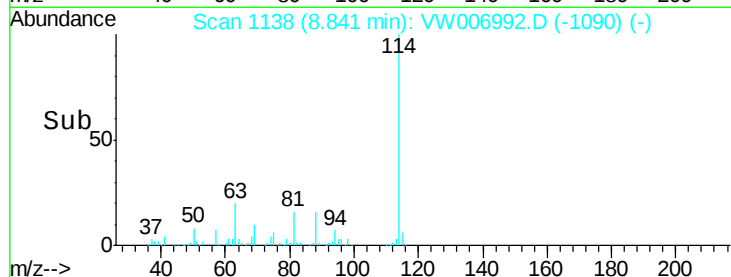
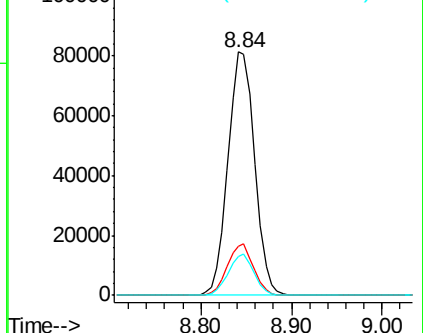
#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 8.84 min Scan# 1138
 Delta R.T. -0.01 min
 Lab File: VW006992.D
 Acq: 20 Nov 2018 23:05

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 20180930-AMENDED-WCC-3-COMP

Tgt Ion:114 Resp: 165969
 Ion Ratio Lower Upper
 114 100
 63 20.2 0.0 39.4
 88 16.2 0.0 34.2

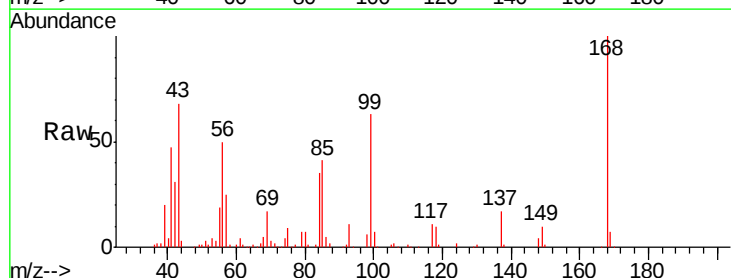


Abundance Ion 113.90 (113.60 to 114.60): V
 Ion 63.00 (62.70 to 63.70): VW
 Ion 87.90 (87.60 to 88.60): VW

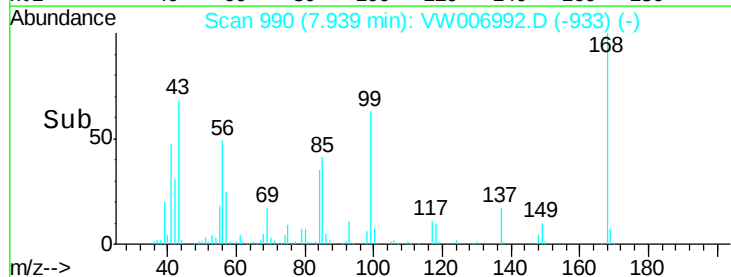
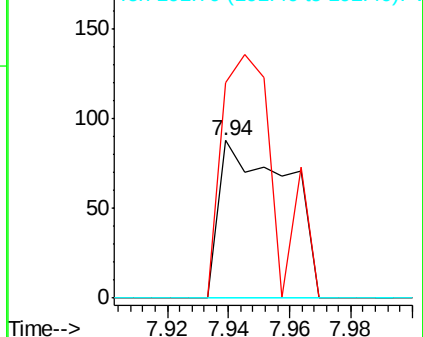


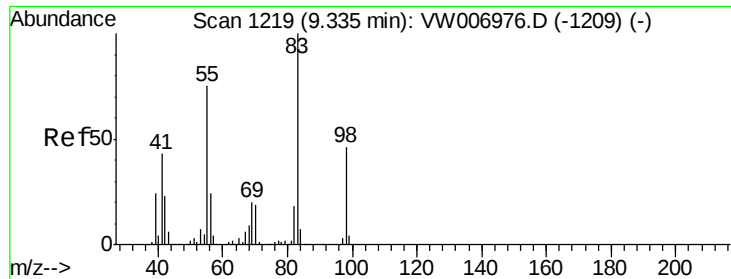
#35
 Dibromofluoromethane
 Concen: 0.14 ug/l
 RT: 7.94 min Scan# 990
 Delta R.T. 0.05 min
 Lab File: VW006992.D
 Acq: 20 Nov 2018 23:05

Tgt Ion:113 Resp: 135
 Ion Ratio Lower Upper
 113 100
 111 122.2 81.0 121.6#
 192 0.0 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

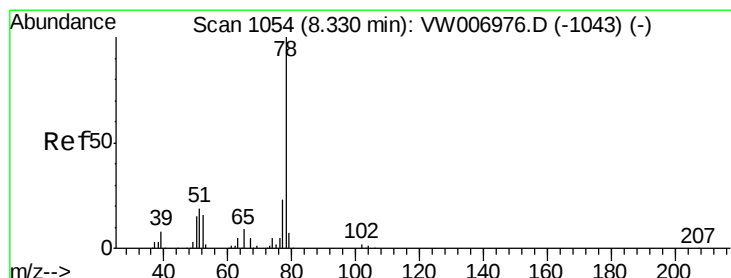
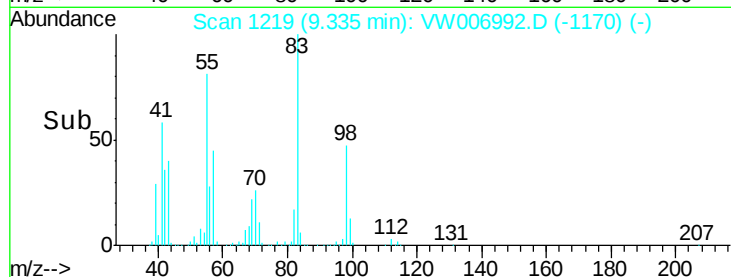
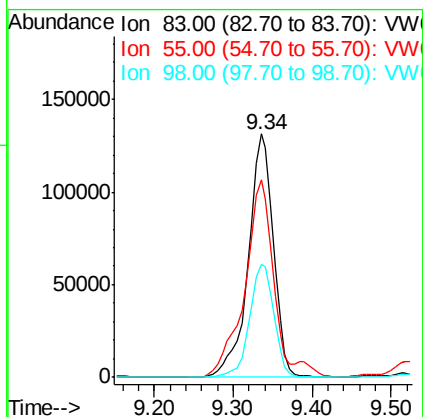
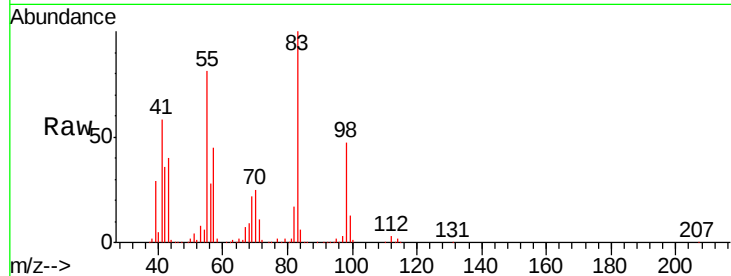




#39
Methylcyclohexane
Concen: 143.34 ug/l
RT: 9.34 min Scan# 1219
Delta R.T. -0.00 min
Lab File: VW006992.D
Acq: 20 Nov 2018 23:05

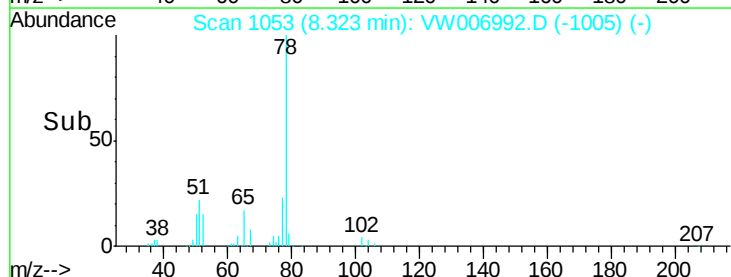
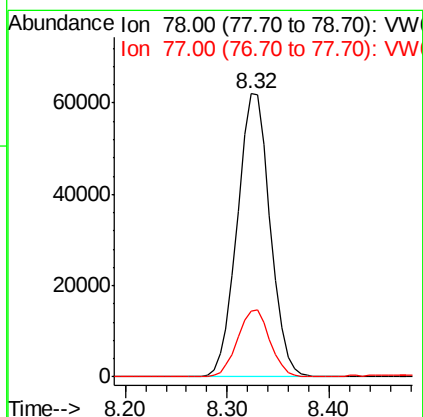
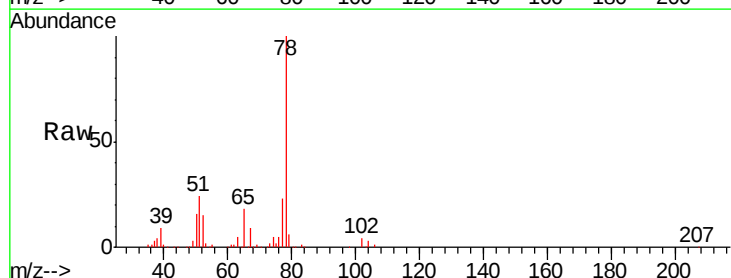
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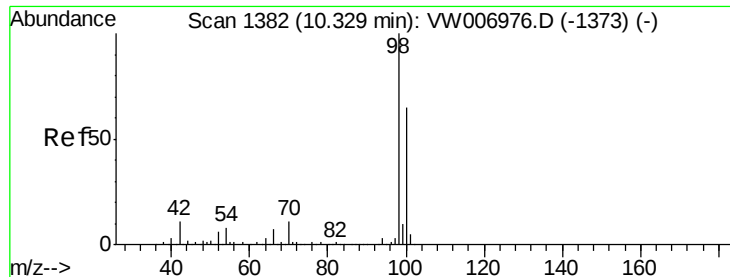
Tgt Ion: 83 Resp: 290935
Ion Ratio Lower Upper
83 100
55 81.0 59.6 89.4
98 46.6 37.1 55.7



#40
Benzene
Concen: 31.69 ug/l
RT: 8.32 min Scan# 1053
Delta R.T. -0.01 min
Lab File: VW006992.D
Acq: 20 Nov 2018 23:05

Tgt Ion: 78 Resp: 138725
Ion Ratio Lower Upper
78 100
77 23.4 18.6 28.0

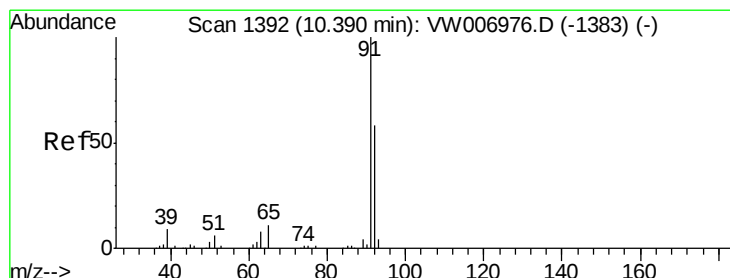
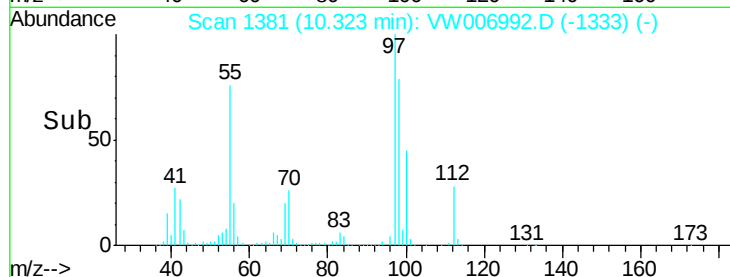
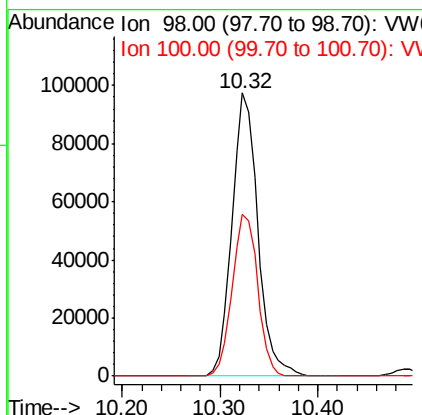
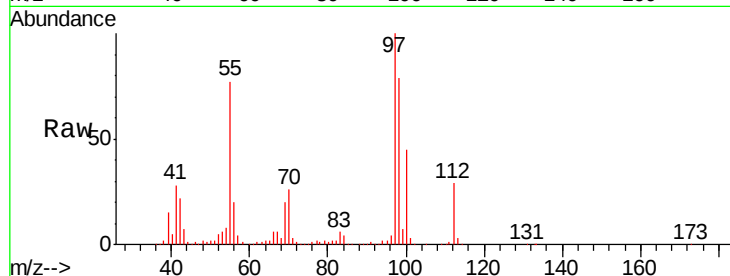




#50
Toluene-d8
Concen: 43.27 ug/l
RT: 10.32 min Scan# 1381
Delta R.T. -0.01 min
Lab File: VW006992.D
Acq: 20 Nov 2018 23:05

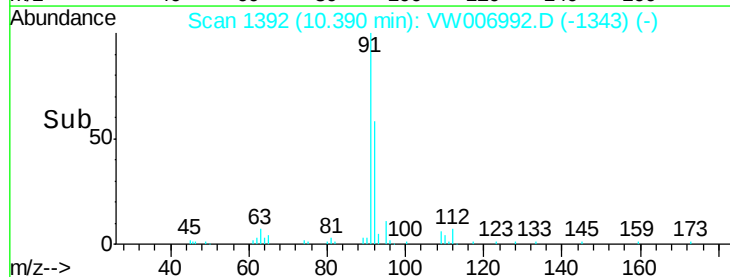
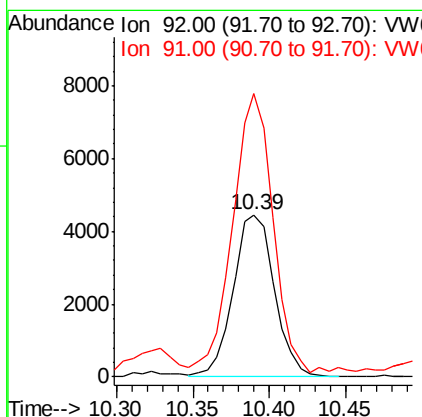
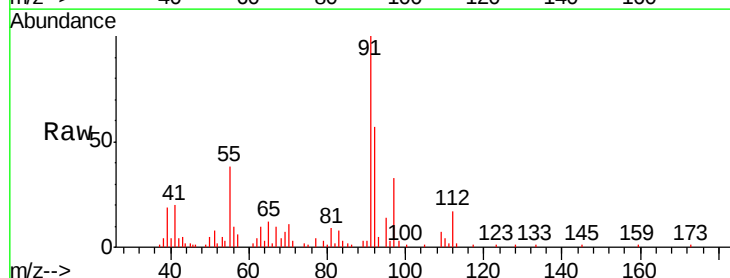
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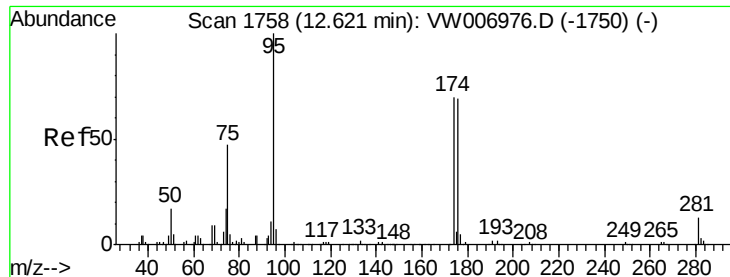
Tgt Ion: 98 Resp: 179083
Ion Ratio Lower Upper
98 100
100 56.1 52.2 78.2



#52
Toluene
Concen: 2.80 ug/l
RT: 10.39 min Scan# 1392
Delta R.T. -0.00 min
Lab File: VW006992.D
Acq: 20 Nov 2018 23:05

Tgt Ion: 92 Resp: 8328
Ion Ratio Lower Upper
92 100
91 165.8 137.3 205.9

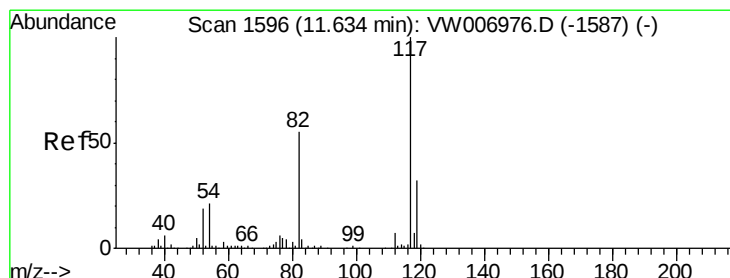
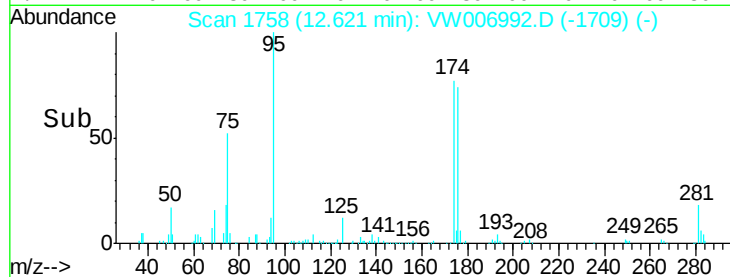
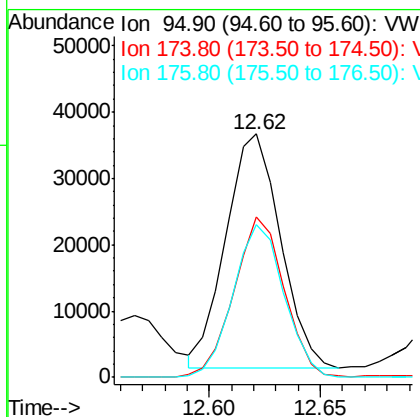
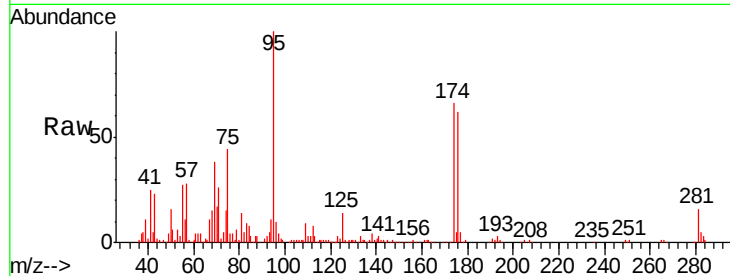




#62
4-Bromofluorobenzene
Concen: 36.86 ug/l
RT: 12.62 min Scan# 1758
Delta R.T. -0.00 min
Lab File: VW006992.D
Acq: 20 Nov 2018 23:05

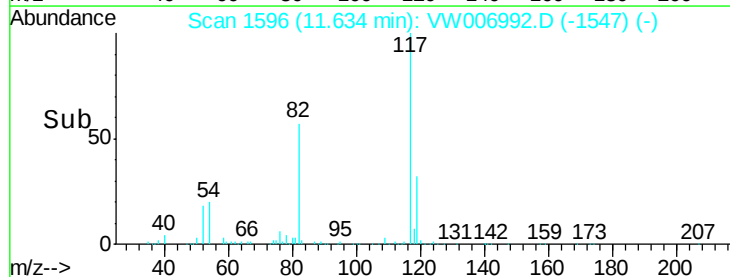
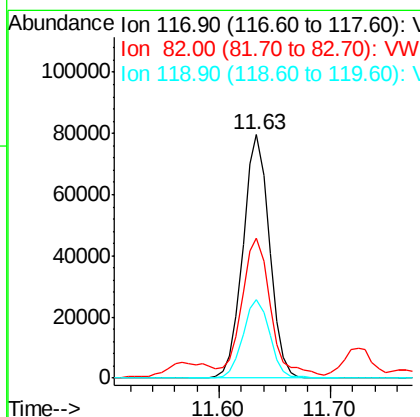
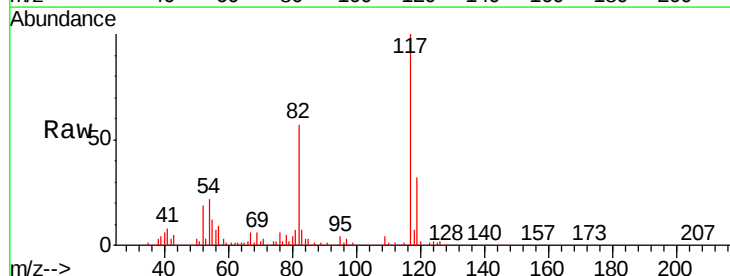
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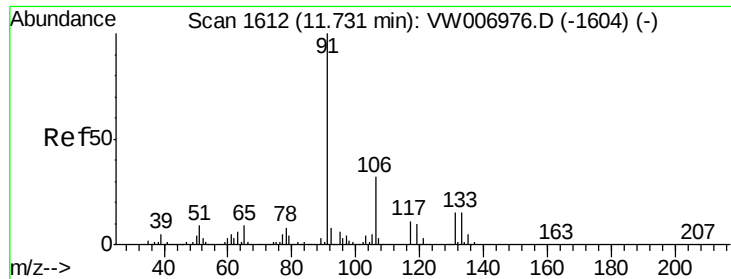
Tgt Ion: 95 Resp: 60037
Ion Ratio Lower Upper
95 100
174 63.1 0.0 143.6
176 61.1 0.0 140.4



#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 11.63 min Scan# 1596
Delta R.T. -0.00 min
Lab File: VW006992.D
Acq: 20 Nov 2018 23:05

Tgt Ion: 117 Resp: 130850
Ion Ratio Lower Upper
117 100
82 53.3 44.2 66.2
119 31.9 25.9 38.9

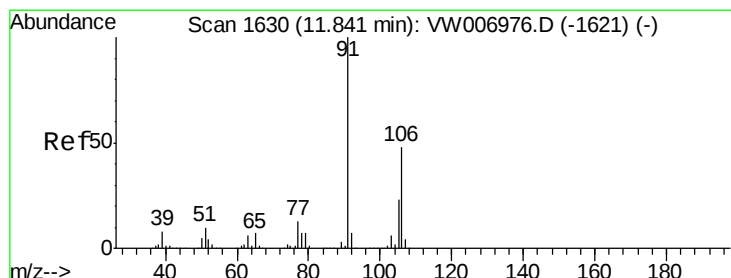
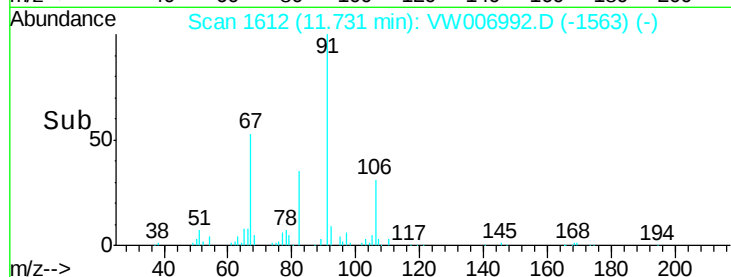
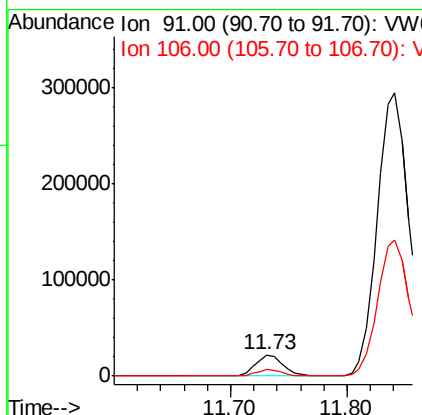
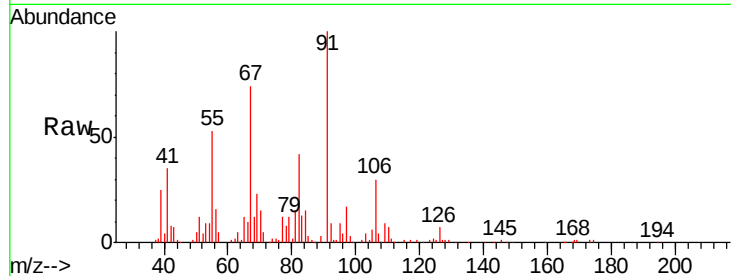




#67
Ethyl Benzene
Concen: 6.99 ug/l
RT: 11.73 min Scan# 1612
Delta R.T. -0.00 min
Lab File: VW006992.D
Acq: 20 Nov 2018 23:05

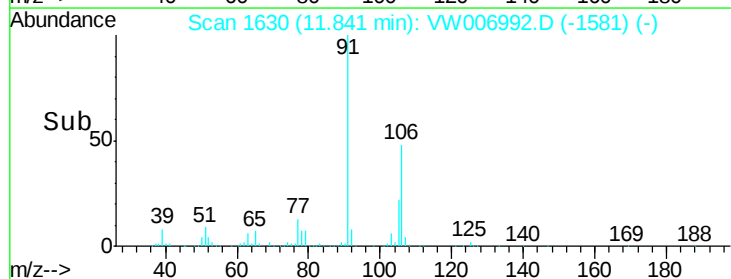
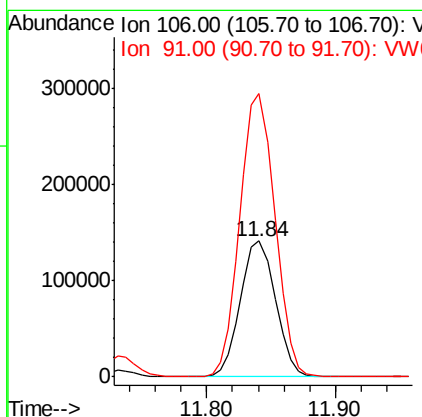
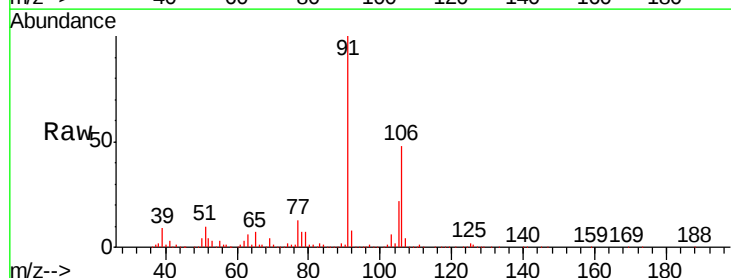
Instrument :
MSVOA_W
ClientSampleId :
20180930-AMENDED-WCC-3-COMP

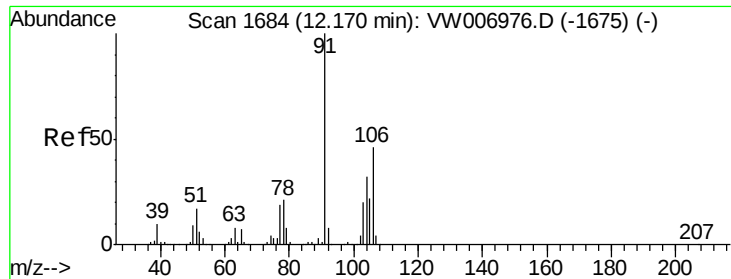
Tgt Ion: 91 Resp: 35045
Ion Ratio Lower Upper
91 100
106 30.7 25.4 38.2



#68
m/p-Xylenes
Concen: 135.65 ug/l
RT: 11.84 min Scan# 1630
Delta R.T. -0.00 min
Lab File: VW006992.D
Acq: 20 Nov 2018 23:05

Tgt Ion: 106 Resp: 267008
Ion Ratio Lower Upper
106 100
91 208.1 164.8 247.2

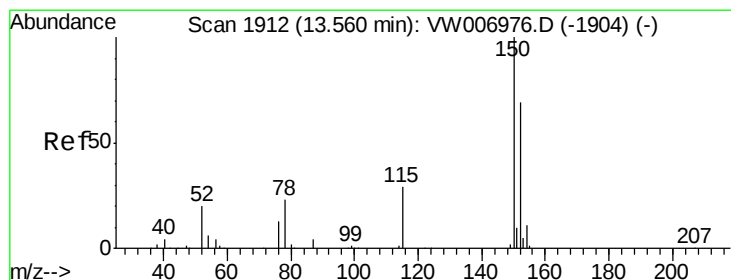
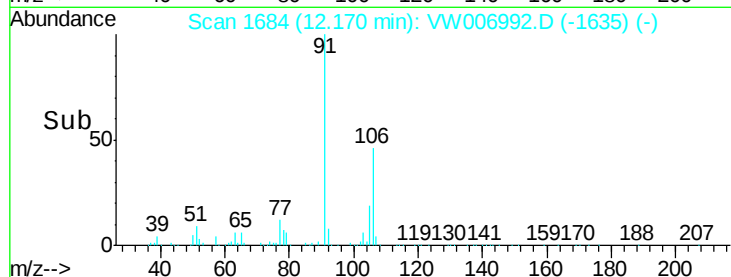
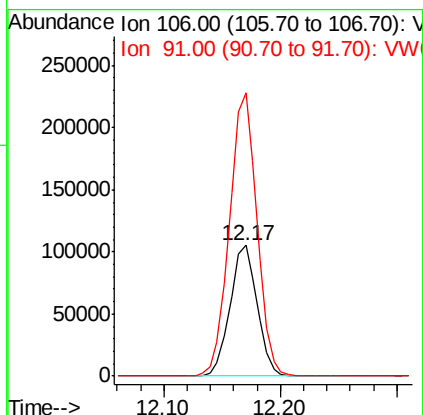
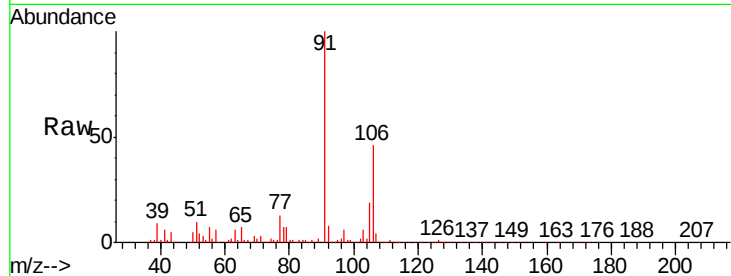




#69
o-Xylene
Concen: 91.76 ug/l
RT: 12.17 min Scan# 1684
Delta R.T. -0.00 min
Lab File: VW006992.D
Acq: 20 Nov 2018 23:05

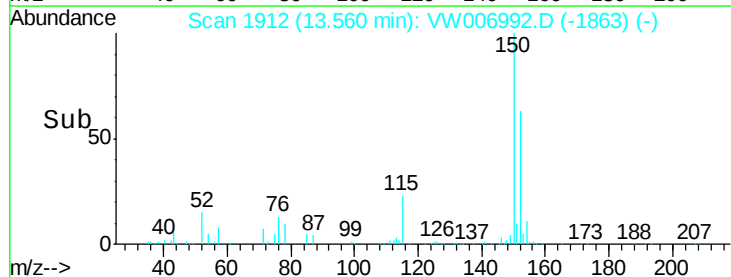
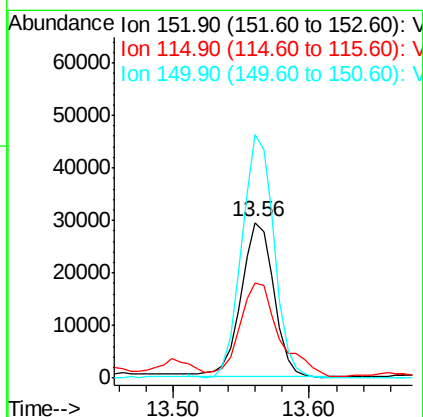
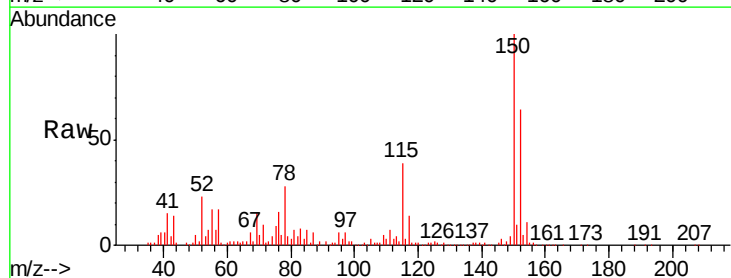
Instrument :
MSVOA_W
ClientSampleId :
20180930-AMENDED-WCC-3-COMP

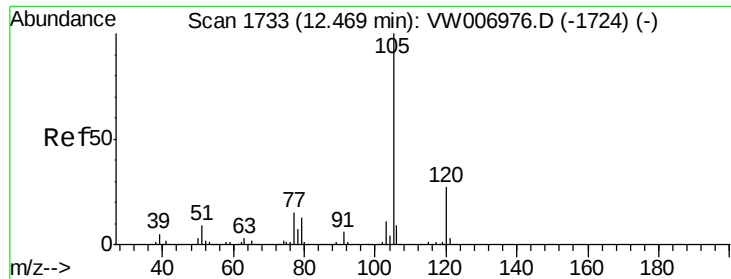
Tgt Ion:106 Resp: 170313
Ion Ratio Lower Upper
106 100
91 218.4 107.9 323.8



#72
1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 13.56 min Scan# 1912
Delta R.T. -0.00 min
Lab File: VW006992.D
Acq: 20 Nov 2018 23:05

Tgt Ion:152 Resp: 49847
Ion Ratio Lower Upper
152 100
115 72.5 31.4 94.2
150 154.6 0.0 353.4





#73

Isopropylbenzene

Concen: 9.47 ug/l

RT: 12.47 min Scan# 1733

Delta R.T. -0.00 min

Lab File: VW006992.D

Acq: 20 Nov 2018 23:05

Instrument :

MSVOA_W

ClientSampleId :

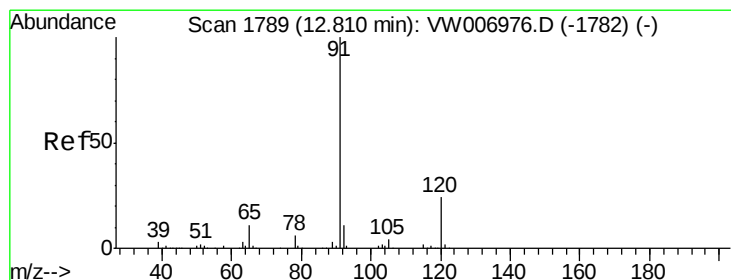
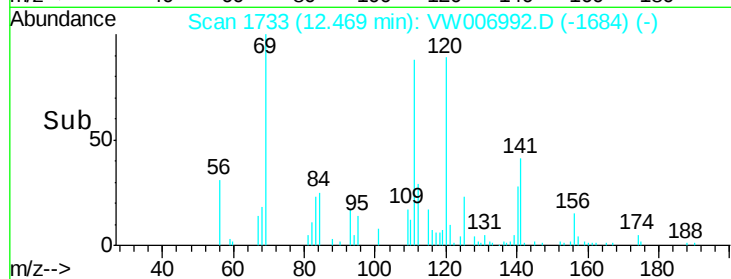
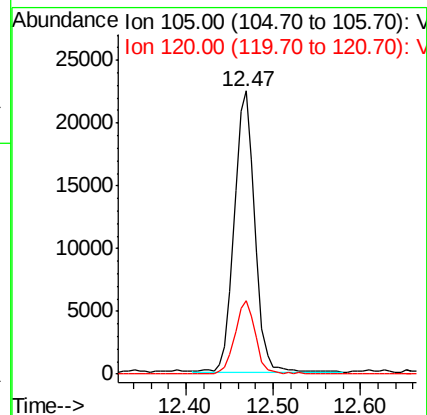
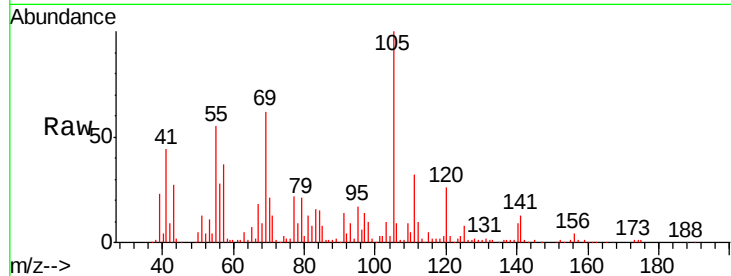
20180930-AMENDED-WCC-3-COMP

Tgt Ion:105 Resp: 36669

Ion Ratio Lower Upper

105 100

120 26.7 13.3 39.8



#78

n-propylbenzene

Concen: 20.93 ug/l

RT: 12.81 min Scan# 1789

Delta R.T. -0.00 min

Lab File: VW006992.D

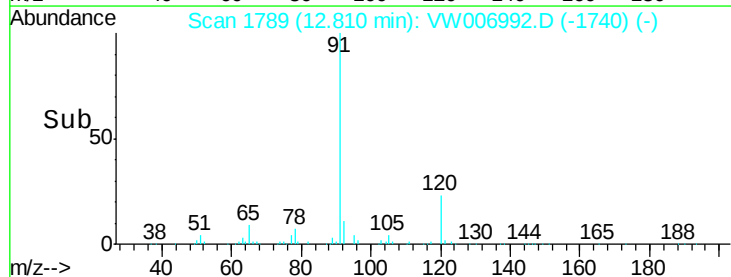
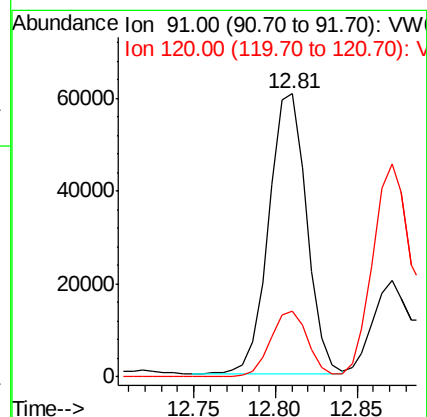
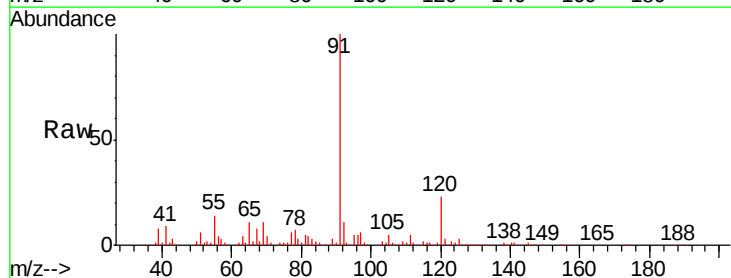
Acq: 20 Nov 2018 23:05

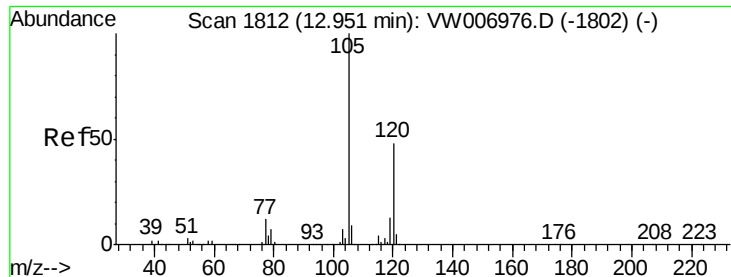
Tgt Ion: 91 Resp: 98225

Ion Ratio Lower Upper

91 100

120 22.7 11.7 35.1

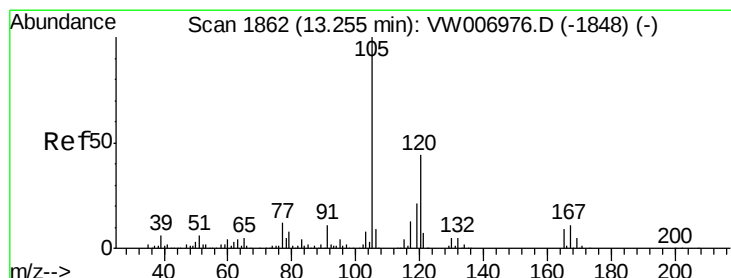
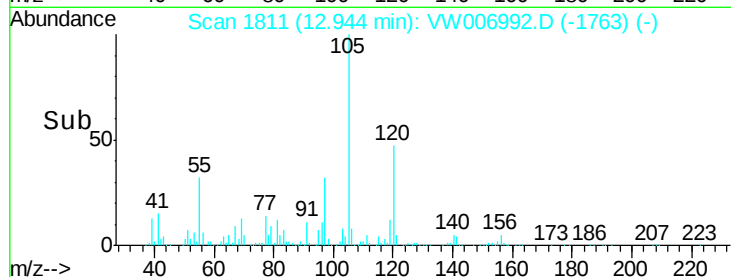
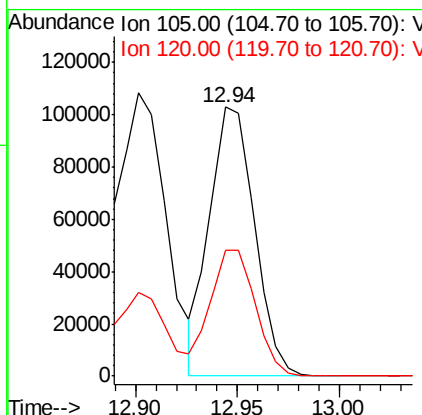
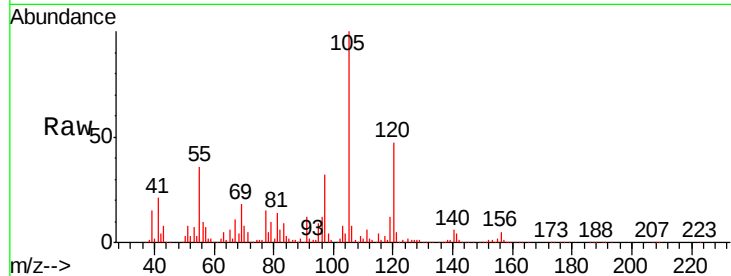




#80
 1,3,5-Trimethylbenzene
 Concen: 46.97 ug/l
 RT: 12.94 min Scan# 1811
 Delta R.T. -0.01 min
 Lab File: VW006992.D
 Acq: 20 Nov 2018 23:05

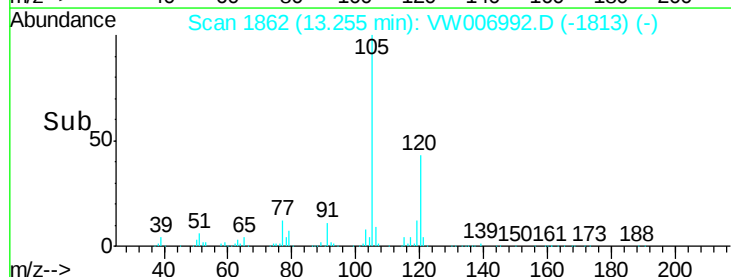
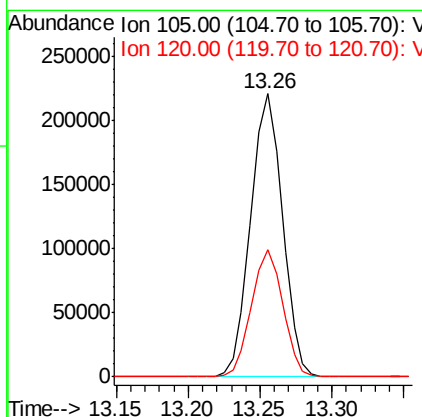
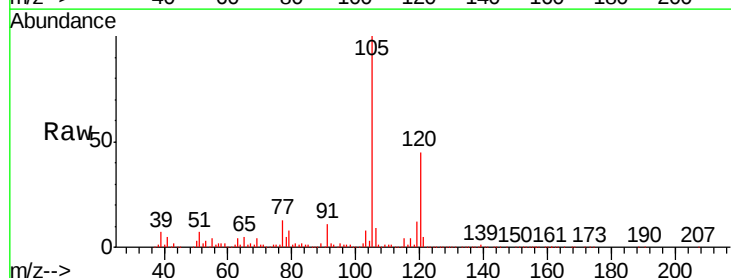
Instrument :
 MSVOA_W
 ClientSampleId :
 20180930-AMENDED-WCC-3-COMP

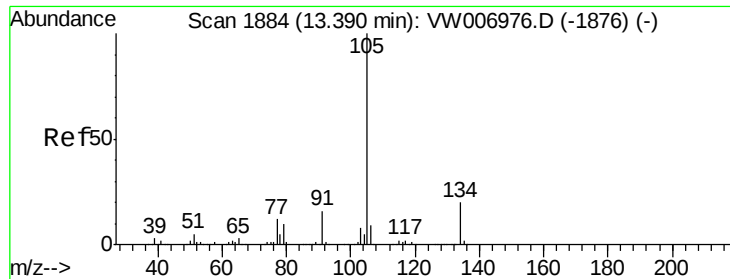
Tgt Ion:105 Resp: 157360
 Ion Ratio Lower Upper
 105 100
 120 46.9 23.8 71.2



#84
 1,2,4-Trimethylbenzene
 Concen: 100.66 ug/l
 RT: 13.26 min Scan# 1862
 Delta R.T. -0.00 min
 Lab File: VW006992.D
 Acq: 20 Nov 2018 23:05

Tgt Ion:105 Resp: 335969
 Ion Ratio Lower Upper
 105 100
 120 44.9 21.8 65.3

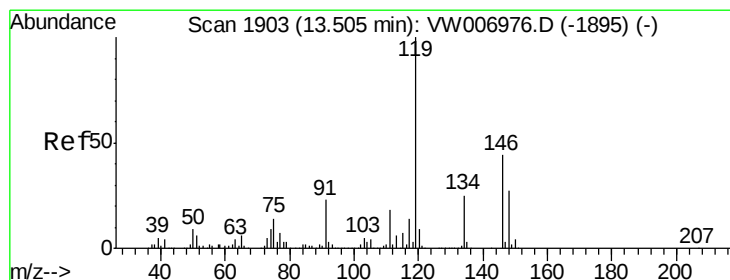
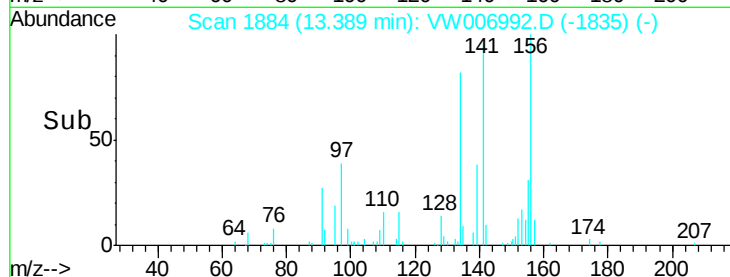
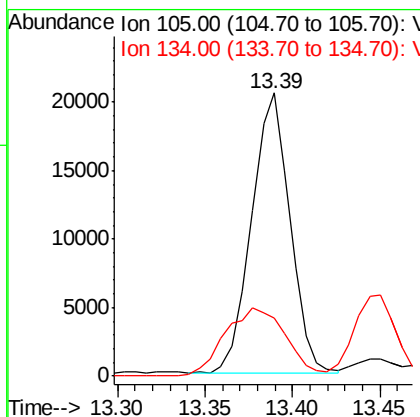
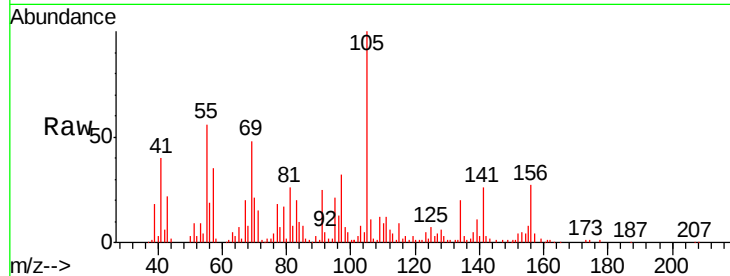




#85
 sec-Butylbenzene
 Concen: 7.58 ug/l
 RT: 13.39 min Scan# 1884
 Delta R.T. -0.00 min
 Lab File: VW006992.D
 Acq: 20 Nov 2018 23:05

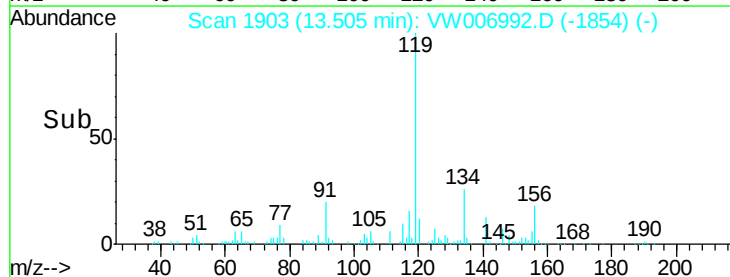
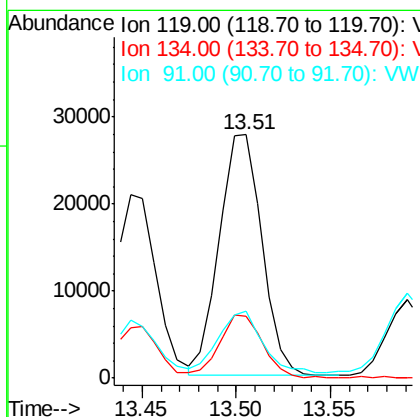
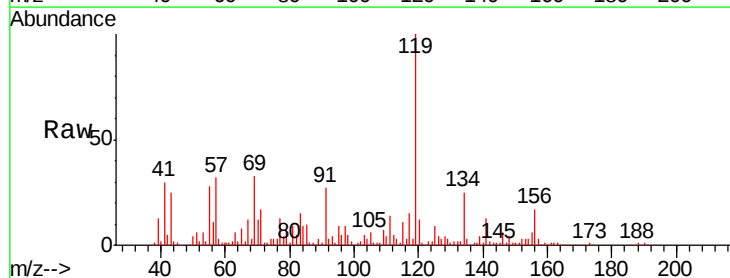
Instrument :
 MSVOA_W
 ClientSampleId :
 20180930-AMENDED-WCC-3-COMP

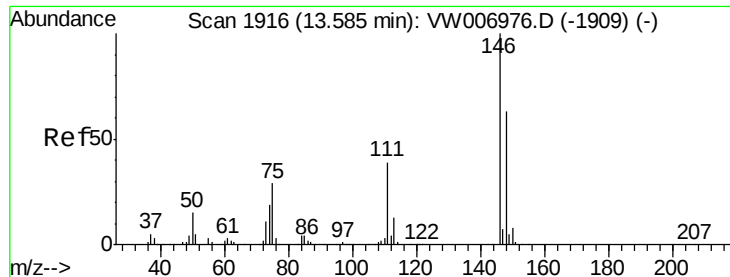
Tgt Ion:105 Resp: 31043
 Ion Ratio Lower Upper
 105 100
 134 38.9 9.8 29.3#



#86
 p-Isopropyltoluene
 Concen: 12.07 ug/l
 RT: 13.51 min Scan# 1903
 Delta R.T. -0.00 min
 Lab File: VW006992.D
 Acq: 20 Nov 2018 23:05

Tgt Ion:119 Resp: 43626
 Ion Ratio Lower Upper
 119 100
 134 26.5 12.8 38.3
 91 25.9 12.2 36.6

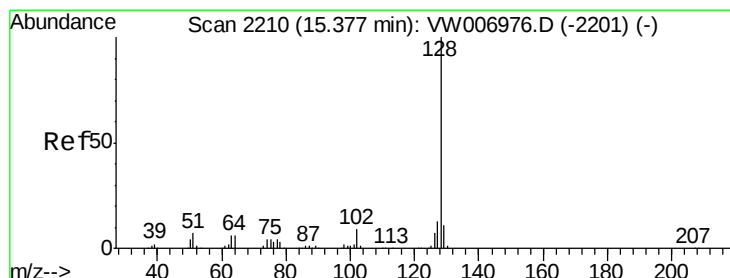
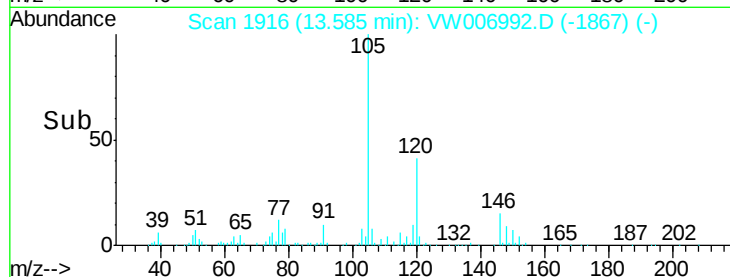
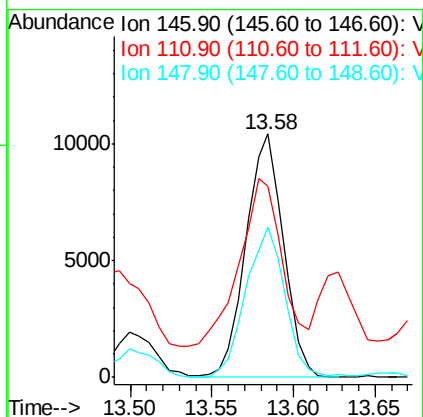
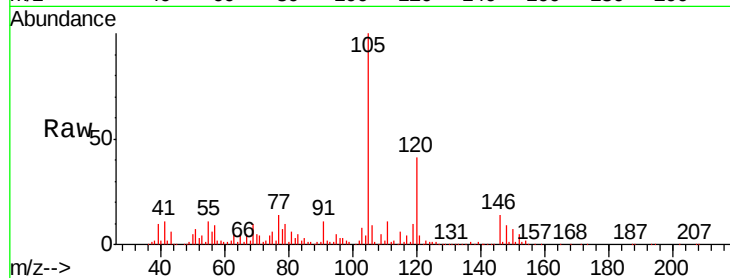




#88
 1,4-Dichlorobenzene
 Concen: 9.86 ug/l
 RT: 13.58 min Scan# 1916
 Delta R.T. -0.00 min
 Lab File: VW006992.D
 Acq: 20 Nov 2018 23:05

Instrument :
 MSVOA_W
 ClientSampleId :
 20180930-AMENDED-WCC-3-COMP

Tgt Ion:146 Resp: 16704
 Ion Ratio Lower Upper
 146 100
 111 76.7 20.6 61.8#
 148 64.3 32.3 96.8



#95
 Naphthalene
 Concen: 43.44 ug/l
 RT: 15.37 min Scan# 2209
 Delta R.T. -0.01 min
 Lab File: VW006992.D
 Acq: 20 Nov 2018 23:05

Tgt Ion:128 Resp: 77393
 Ion Ratio Lower Upper
 128 100
 127 15.9 10.5 15.7#
 129 10.8 8.7 13.1

