

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW011119\
 Data File : VW008222.D
 Acq On : 12 Jan 2019 05:48
 Operator : SY/VA
 Sample : K1119-01
 Misc : 5.25G/5ML/MSVOA W/SOIL
 ALS Vial : 37 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 DS-A

Quant Time: Jan 14 10:11:07 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W010819S.M
 Quant Title : SW846 8260
 QLast Update : Wed Jan 09 04:40:48 2019
 Response via : Initial Calibration

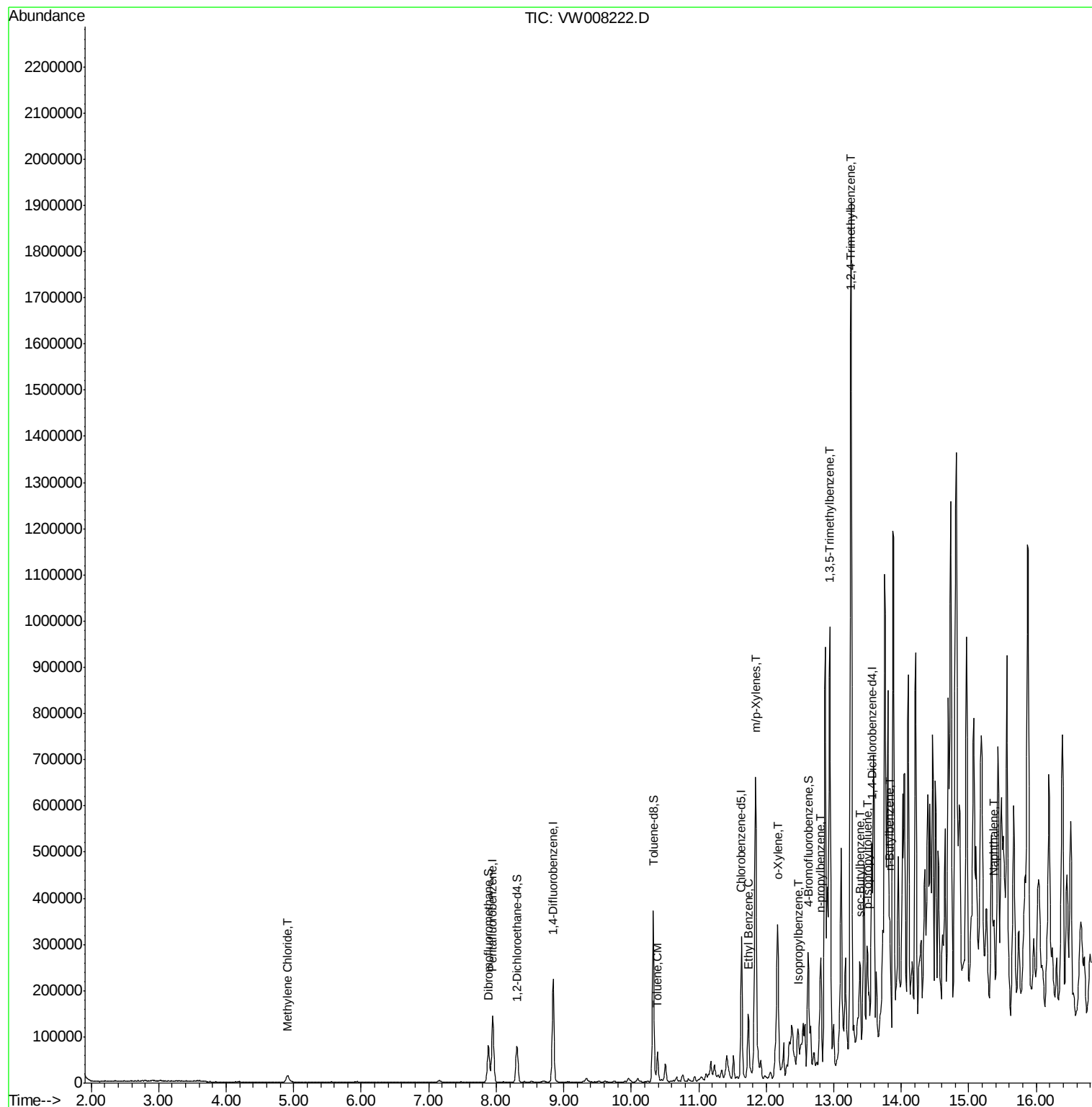
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	104866	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	184530	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	172755	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	74240	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.31	65	60372	51.22	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.44%	
35) Dibromofluoromethane	7.88	113	56312	52.32	ug/l	0.00
Spiked Amount	50.000		Recovery	=	104.64%	
50) Toluene-d8	10.32	98	233797	51.77	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.54%	
62) 4-Bromofluorobenzene	12.62	95	80774	49.89	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.78%	
Target Compounds						
					Qvalue	
20) Methylene Chloride	4.91	84	10801	4.979	ug/l	95
52) Toluene	10.39	92	26265	7.977	ug/l	97
67) Ethyl Benzene	11.73	91	89769	13.405	ug/l	97
68) m/p-Xylenes	11.84	106	148313	58.024	ug/l	97
69) o-Xylene	12.17	106	86611	36.591	ug/l	93
73) Isopropylbenzene	12.47	105	48406	8.305	ug/l	99
78) n-propylbenzene	12.81	91	179951	25.198	ug/l	99
80) 1,3,5-Trimethylbenzene	12.94	105	229076	47.827	ug/l	99
84) 1,2,4-Trimethylbenzene	13.26	105	961062	194.549	ug/l	98
85) sec-Butylbenzene	13.39	105	102571	16.525	ug/l	88
86) p-Isopropyltoluene	13.51	119	58596	10.932	ug/l	98
89) n-Butylbenzene	13.83	91	115271	21.958	ug/l #	78
95) Naphthalene	15.38	128	72433	26.612	ug/l #	93

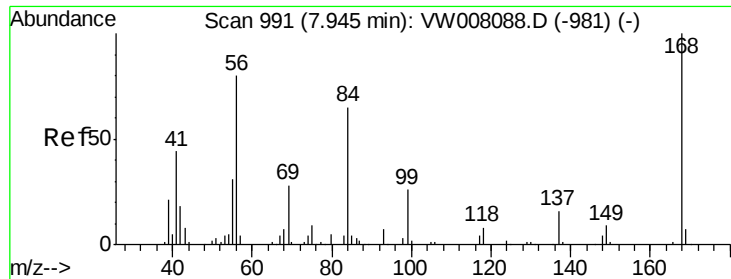
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.95 min Scan# 991

Delta R.T. -0.00 min

Lab File: VW008222.D

Acq: 12 Jan 2019 05:48

Instrument :

MSVOA_W

ClientSampled :

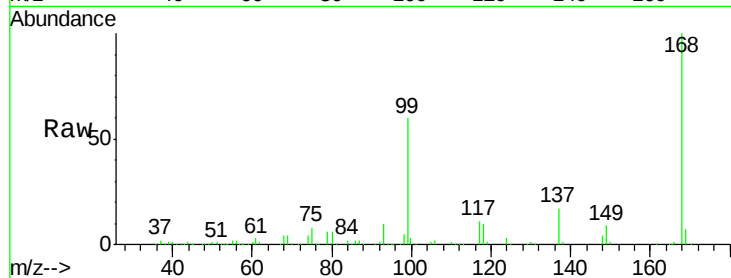
DS-A

Tot Ion:168 Resp: 104866

Ion Ratio Lower Upper

168 100

99 59.7 52.6 78.8



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW

7.95

50000

40000

30000

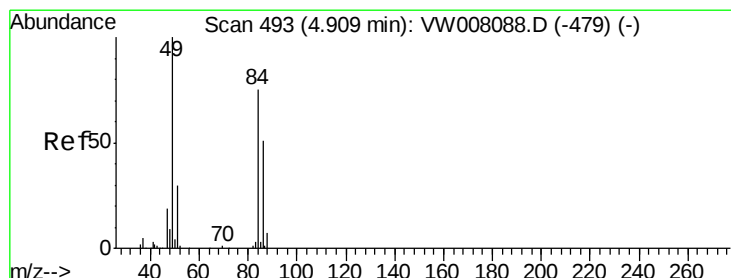
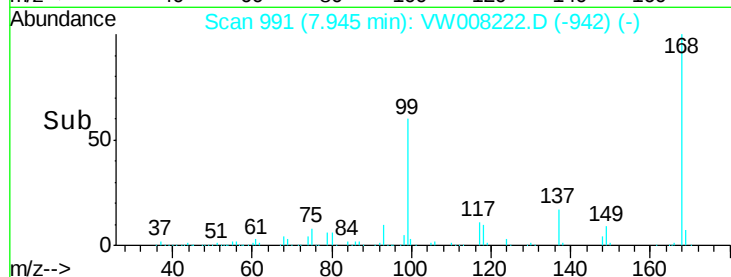
20000

10000

0

7.90 8.00

Time-->



#20

Methylene Chloride

Concen: 4.979 ug/l

RT: 4.91 min Scan# 493

Delta R.T. 0.00 min

Lab File: VW008222.D

Acq: 12 Jan 2019 05:48

Tgt Ion: 84 Resp: 10801

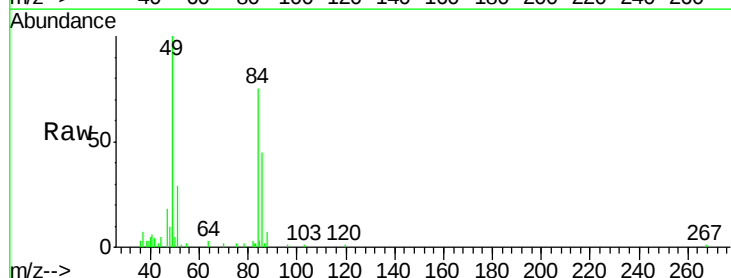
Ion Ratio Lower Upper

84 100

49 131.3 107.1 160.7

51 37.3 32.4 48.6

86 59.9 54.2 81.4



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

4.91

6000

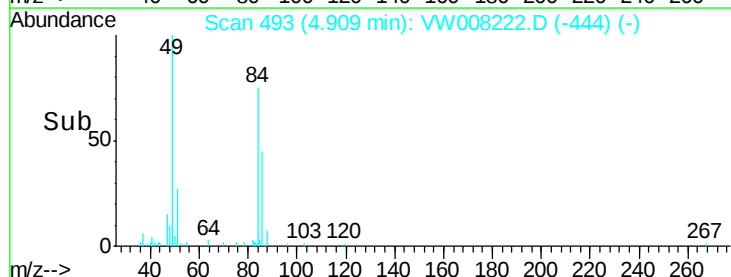
4000

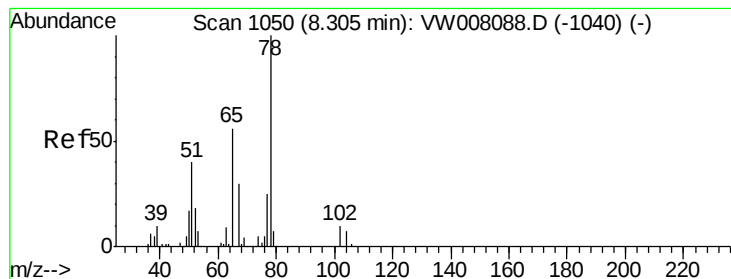
2000

0

4.80 4.90 5.00

Time-->





#33

1,2-Dichloroethane-d4

Concen: 51.223 ug/l

RT: 8.31 min Scan# 1050

Delta R.T. -0.00 min

Lab File: VW008222.D

Acq: 12 Jan 2019 05:48

Instrument :

MSVOA_W

ClientSampleId :

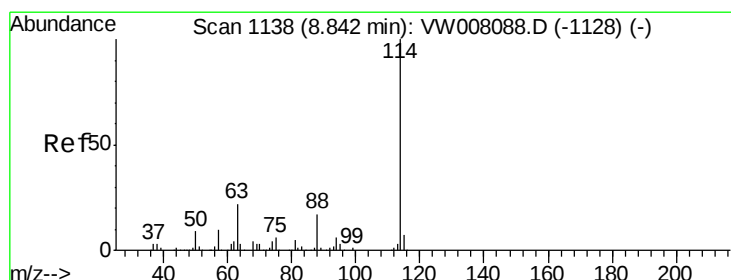
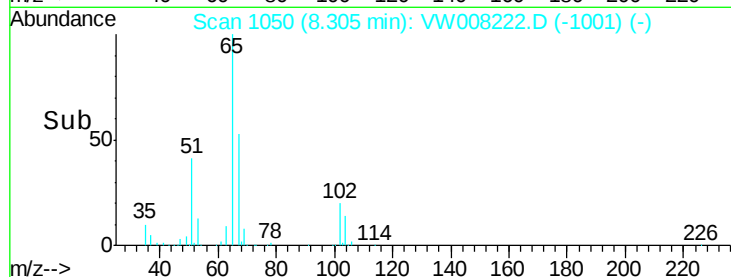
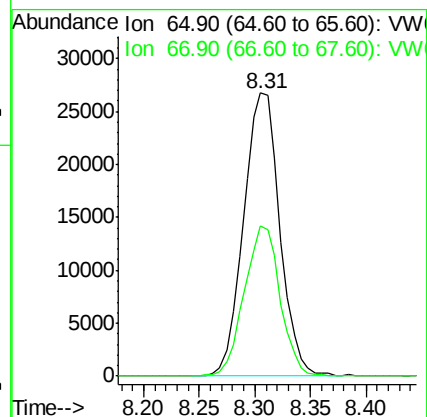
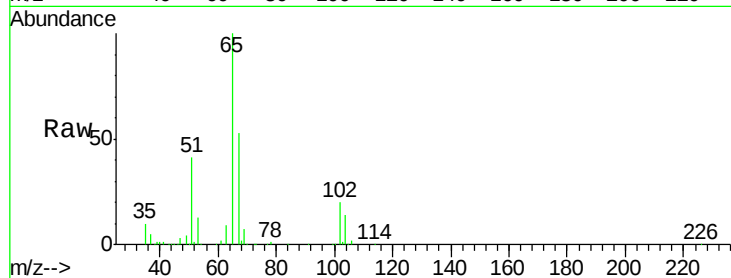
DS-A

Tot Ion: 65 Resp: 60372

Ion Ratio Lower Upper

65 100

67 52.3 0.0 106.8



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.84 min Scan# 1138

Delta R.T. -0.00 min

Lab File: VW008222.D

Acq: 12 Jan 2019 05:48

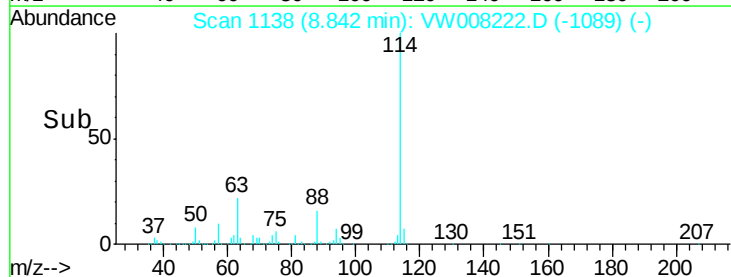
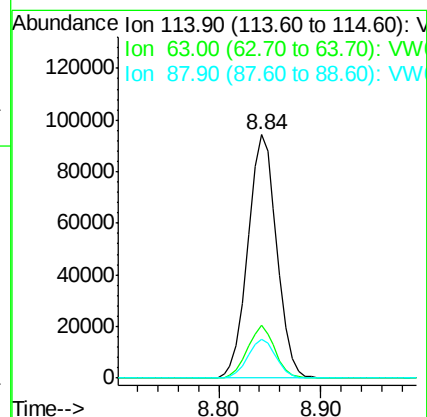
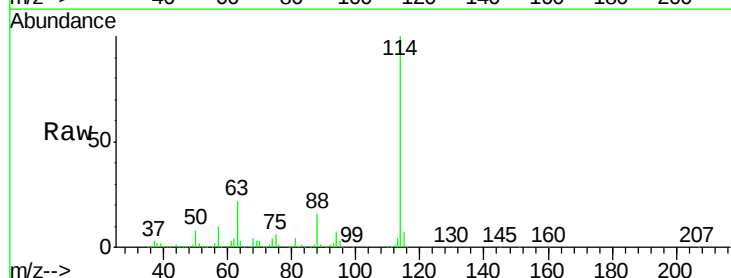
Tgt Ion: 114 Resp: 184530

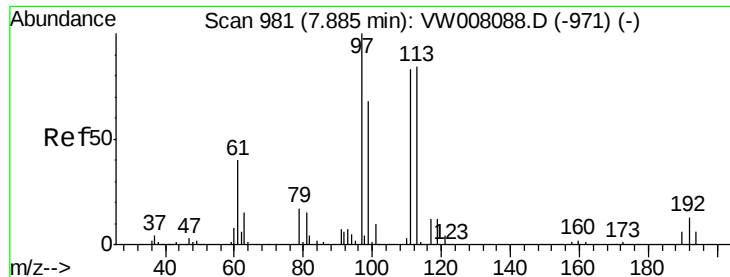
Ion Ratio Lower Upper

114 100

63 21.7 0.0 43.4

88 15.9 0.0 33.4





#35

Dibromofluoromethane

Concen: 52.322 ug/l

RT: 7.88 min Scan# 981

Delta R.T. -0.00 min

Lab File: VW008222.D

Acq: 12 Jan 2019 05:48

Instrument :

MSVOA_W

ClientSampleId :

DS-A

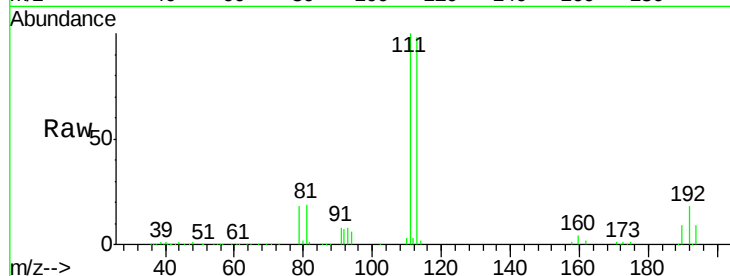
Tot Ion:113 Resp: 56312

Ion Ratio Lower Upper

113 100

111 105.2 81.8 122.8

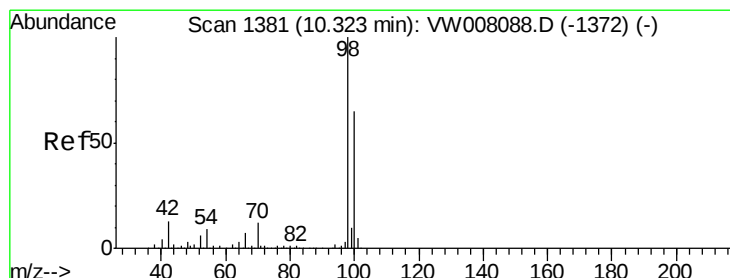
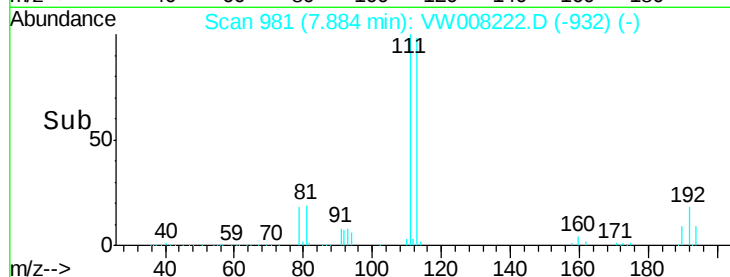
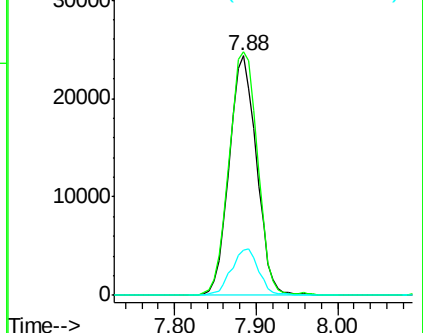
192 19.3 12.8 19.2#



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



#50

Toluene-d8

Concen: 51.767 ug/l

RT: 10.32 min Scan# 1381

Delta R.T. -0.00 min

Lab File: VW008222.D

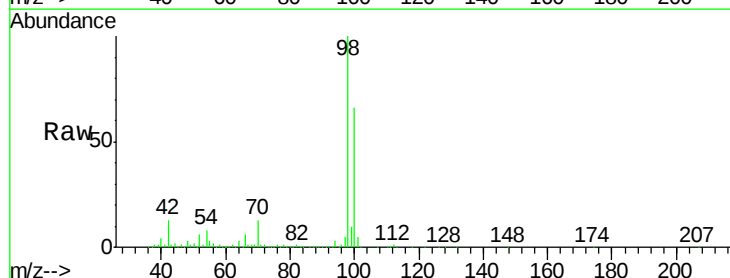
Acq: 12 Jan 2019 05:48

Tgt Ion: 98 Resp: 233797

Ion Ratio Lower Upper

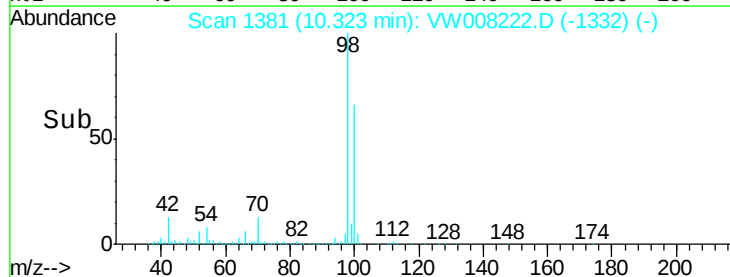
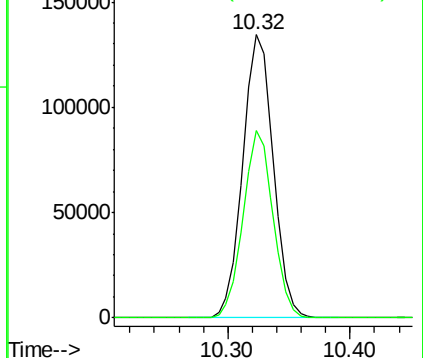
98 100

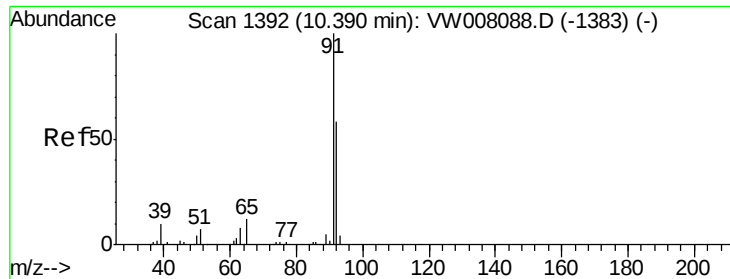
100 64.6 51.7 77.5



Abundance Ion 98.00 (97.70 to 98.70): VW

Ion 100.00 (99.70 to 100.70): VW





#52

Toluene

Concen: 7.977 ug/l

RT: 10.39 min Scan# 1392

Delta R.T. -0.00 min

Lab File: VW008222.D

Acq: 12 Jan 2019 05:48

Instrument :

MSVOA_W

ClientSampleId :

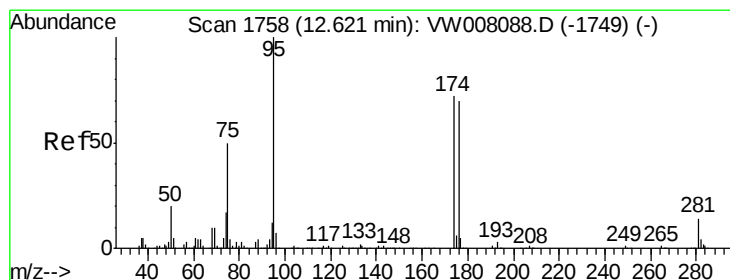
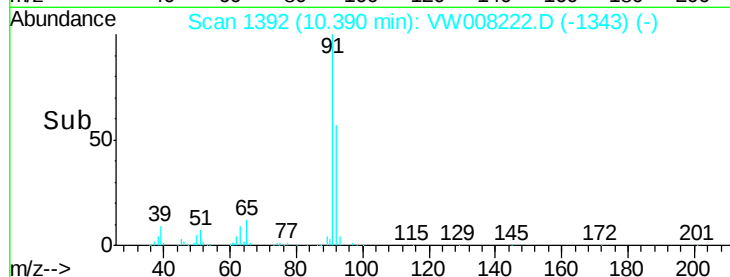
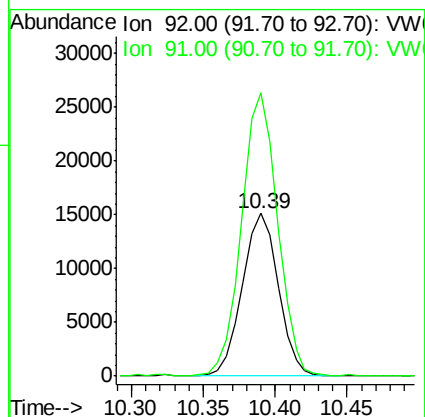
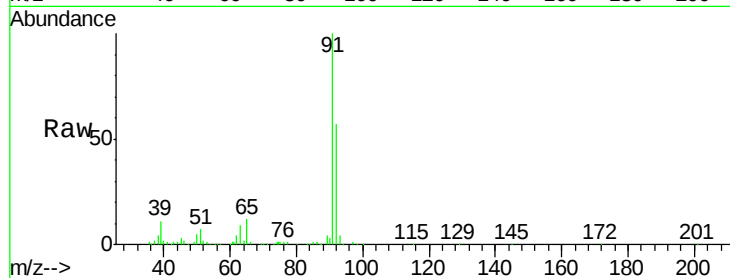
DS-A

Tot Ion: 92 Resp: 26265

Ion Ratio Lower Upper

92 100

91 174.7 137.0 205.4



#62

4-Bromofluorobenzene

Concen: 49.888 ug/l

RT: 12.62 min Scan# 1758

Delta R.T. -0.00 min

Lab File: VW008222.D

Acq: 12 Jan 2019 05:48

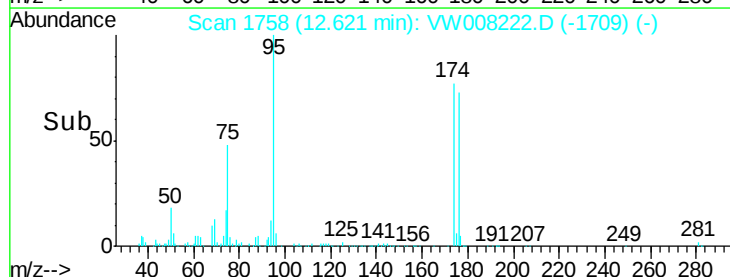
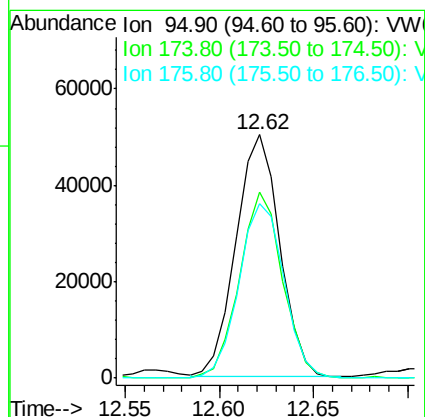
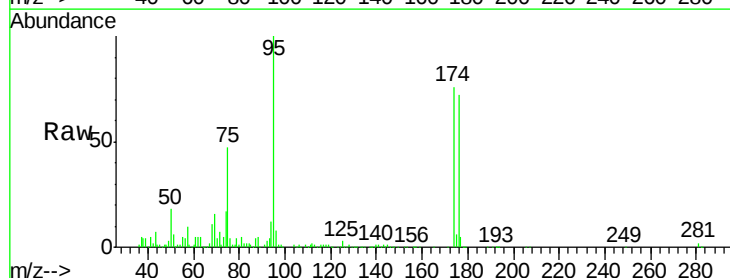
Tgt Ion: 95 Resp: 80774

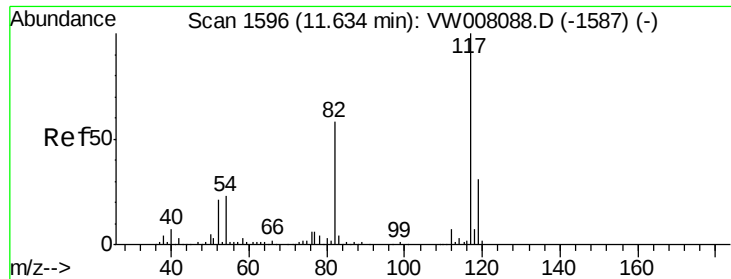
Ion Ratio Lower Upper

95 100

174 75.5 0.0 143.0

176 74.6 0.0 140.2

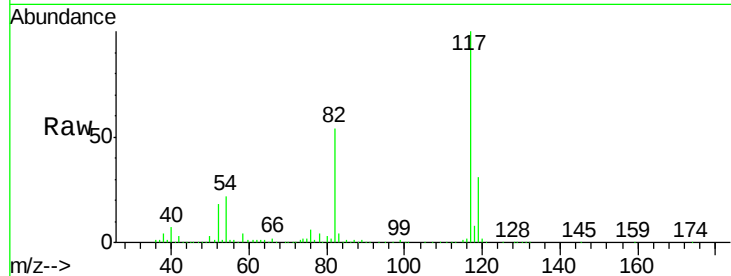




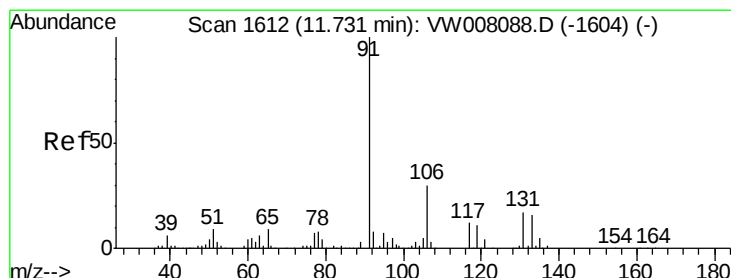
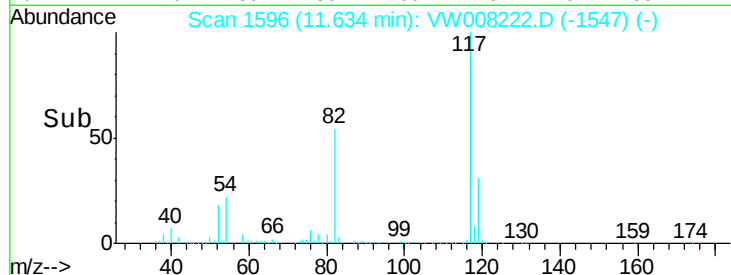
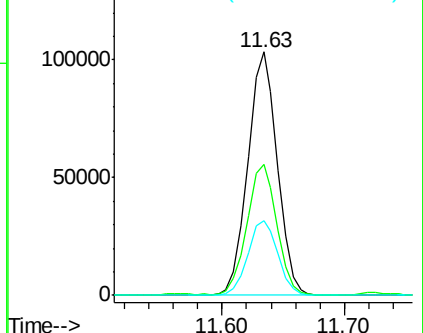
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1596
Delta R.T. -0.00 min
Lab File: VW008222.D
Acq: 12 Jan 2019 05:48

Instrument :
MSVOA_W
ClientSampled :
DS-A

Tot Ion:117 Resp: 172755
Ion Ratio Lower Upper
117 100
82 53.9 46.4 69.6
119 30.7 24.7 37.1

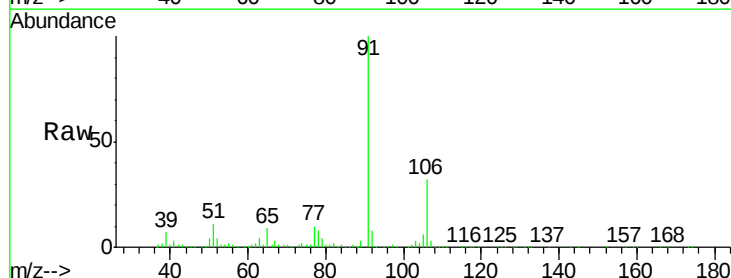


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): VW
Ion 118.90 (118.60 to 119.60): V

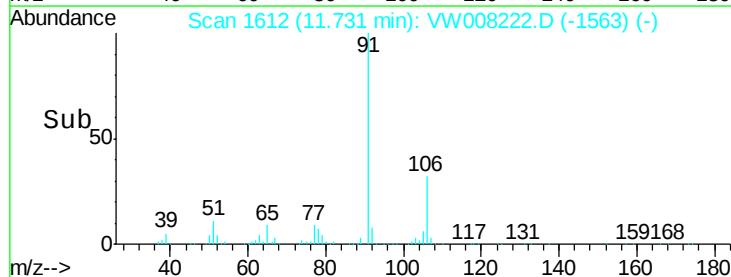
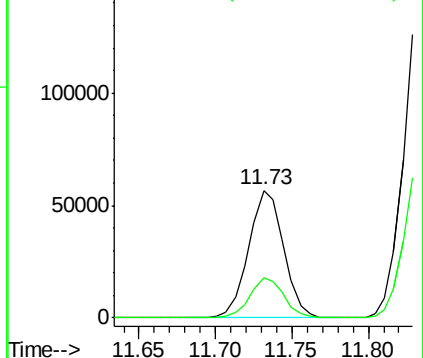


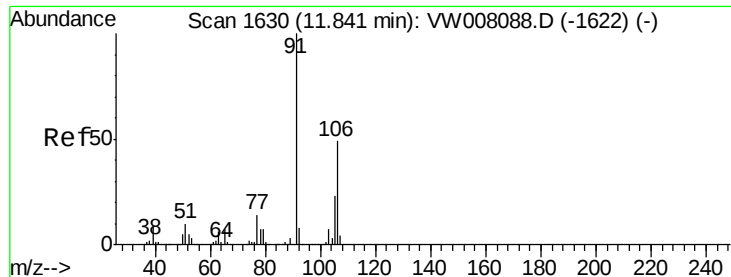
#67
Ethyl Benzene
Concen: 13.405 ug/l
RT: 11.73 min Scan# 1612
Delta R.T. -0.00 min
Lab File: VW008222.D
Acq: 12 Jan 2019 05:48

Tgt Ion: 91 Resp: 89769
Ion Ratio Lower Upper
91 100
106 32.0 24.2 36.4



Abundance Ion 91.00 (90.70 to 91.70): VW
Ion 106.00 (105.70 to 106.70): V

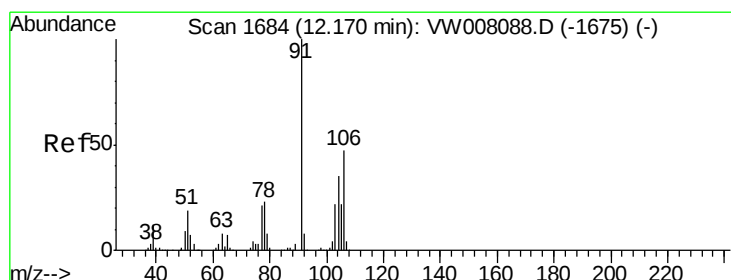
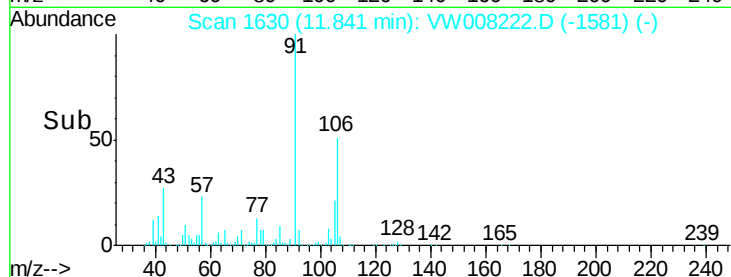
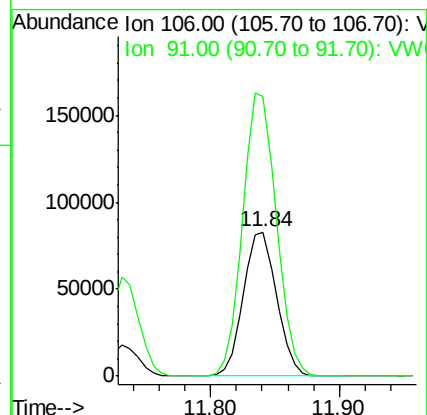
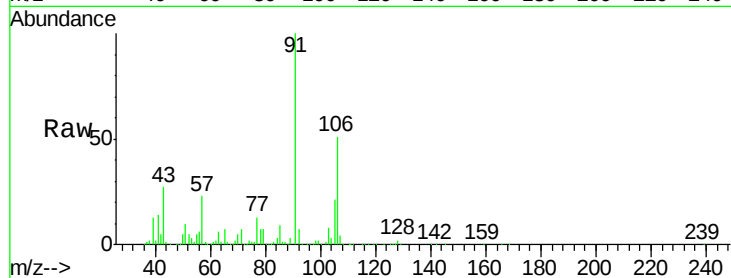




#68
m/p-Xylenes
Concen: 58.024 ug/l
RT: 11.84 min Scan# 1630
Delta R.T. -0.00 min
Lab File: VW008222.D
Acq: 12 Jan 2019 05:48

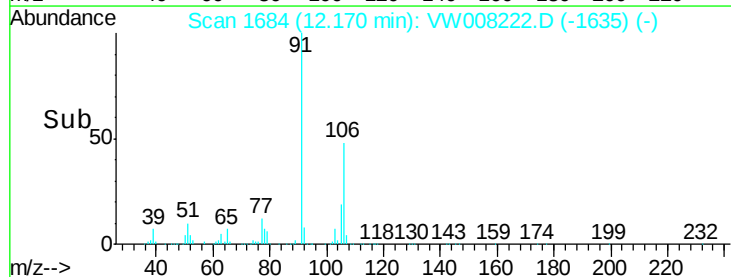
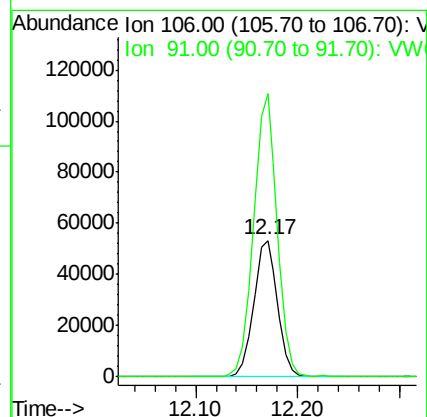
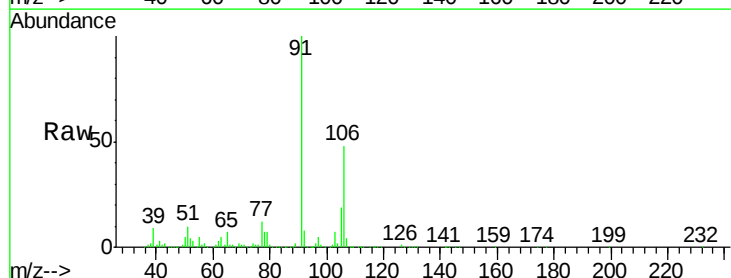
Instrument :
MSVOA_W
ClientSampled :
DS-A

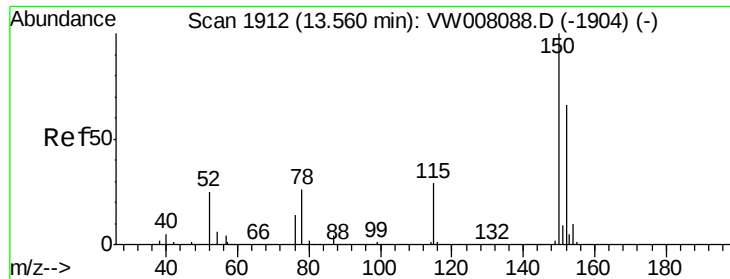
Tot Ion:106 Resp: 148313
Ion Ratio Lower Upper
106 100
91 198.4 162.4 243.6



#69
o-Xylene
Concen: 36.591 ug/l
RT: 12.17 min Scan# 1684
Delta R.T. -0.00 min
Lab File: VW008222.D
Acq: 12 Jan 2019 05:48

Tgt Ion:106 Resp: 86611
Ion Ratio Lower Upper
106 100
91 204.3 107.8 323.6



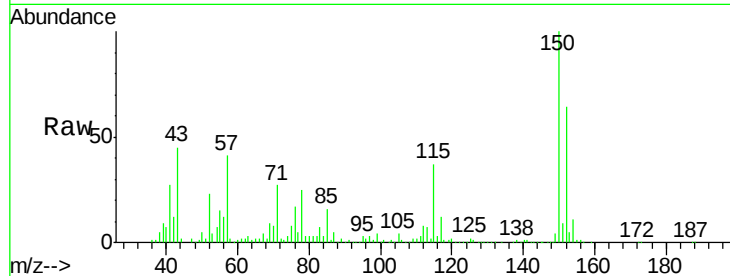


#72

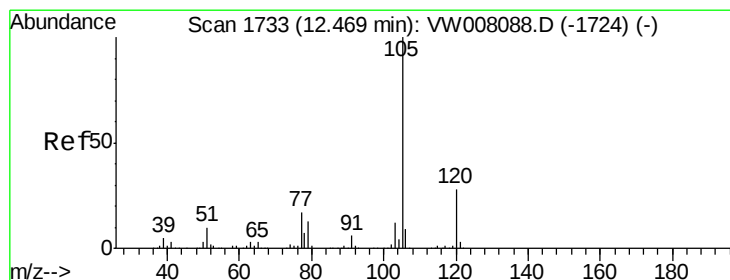
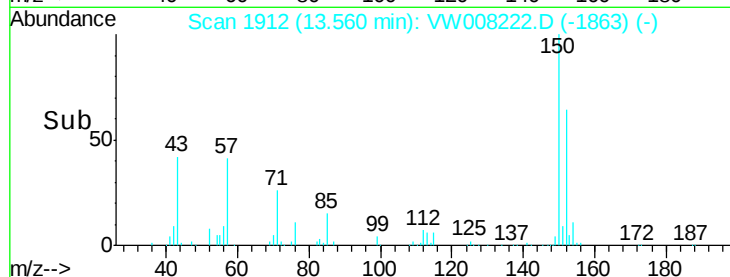
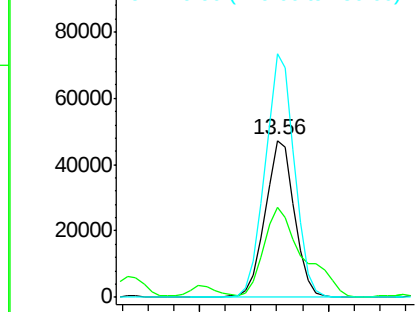
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.56 min Scan# 1912
Delta R.T. -0.00 min
Lab File: VW008222.D
Acq: 12 Jan 2019 05:48

Instrument :
MSVOA_W
ClientSampleId :
DS-A

Tot Ion:152 Resp: 74240
Ion Ratio Lower Upper
152 100
115 77.1 30.8 92.4
150 154.9 0.0 350.2



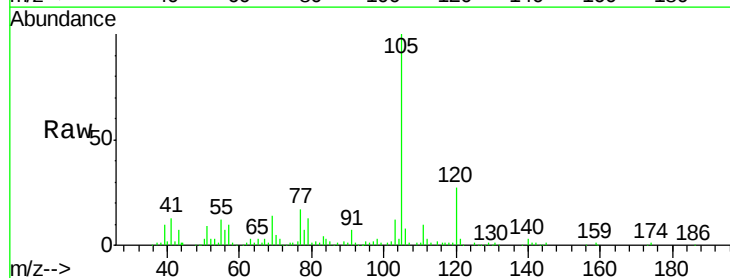
Abundance Ion 151.90 (151.60 to 152.60): V
Ion 114.90 (114.60 to 115.60): V
Ion 149.90 (149.60 to 150.60): V



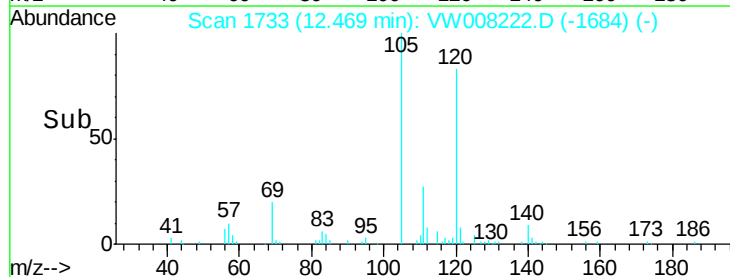
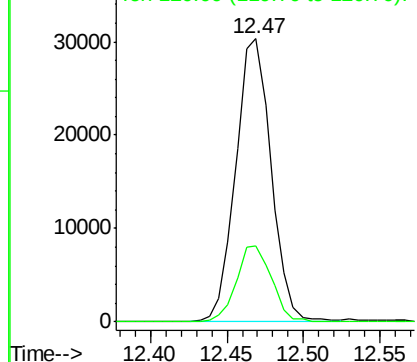
#73

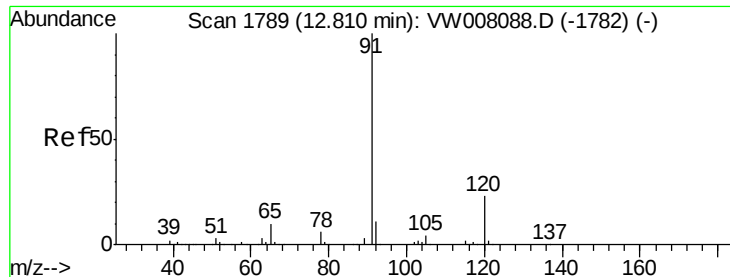
Isopropylbenzene
Concen: 8.305 ug/l
RT: 12.47 min Scan# 1733
Delta R.T. -0.00 min
Lab File: VW008222.D
Acq: 12 Jan 2019 05:48

Tgt Ion:105 Resp: 48406
Ion Ratio Lower Upper
105 100
120 26.9 13.6 40.8



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





#78

n-propylbenzene

Concen: 25.198 ug/l

RT: 12.81 min Scan# 1789

Delta R.T. -0.00 min

Lab File: VW008222.D

Acq: 12 Jan 2019 05:48

Instrument :

MSVOA_W

ClientSampled :

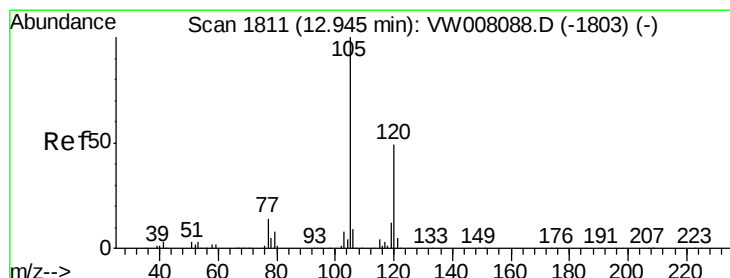
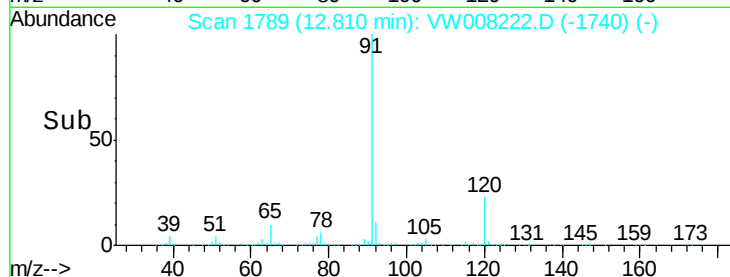
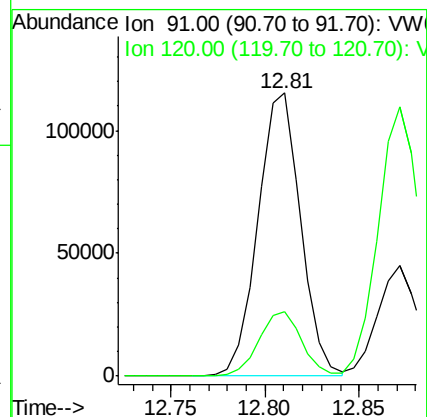
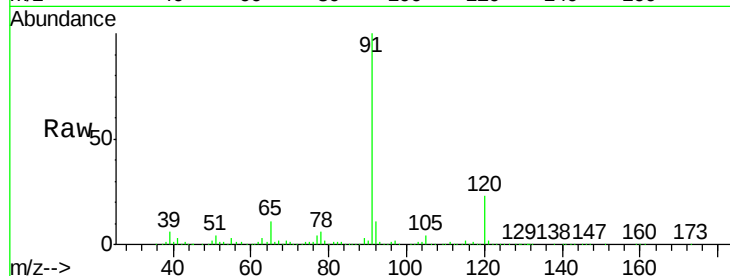
DS-A

Tot Ion: 91 Resp: 179951

Ion Ratio Lower Upper

91 100

120 22.8 11.3 33.8



#80

1,3,5-Trimethylbenzene

Concen: 47.827 ug/l

RT: 12.94 min Scan# 1811

Delta R.T. -0.00 min

Lab File: VW008222.D

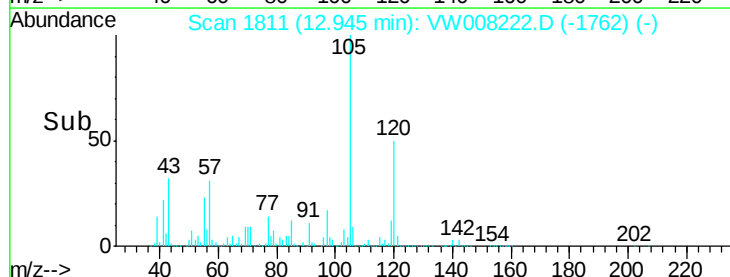
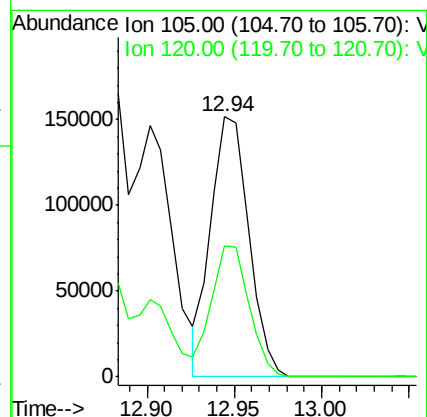
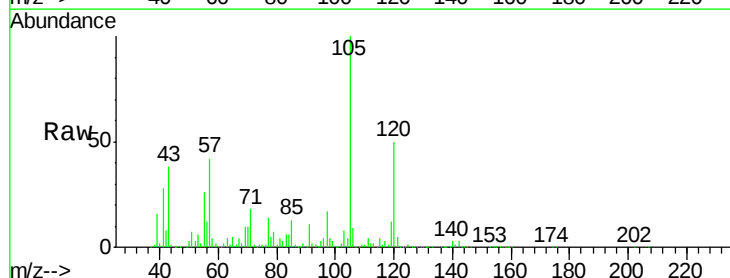
Acq: 12 Jan 2019 05:48

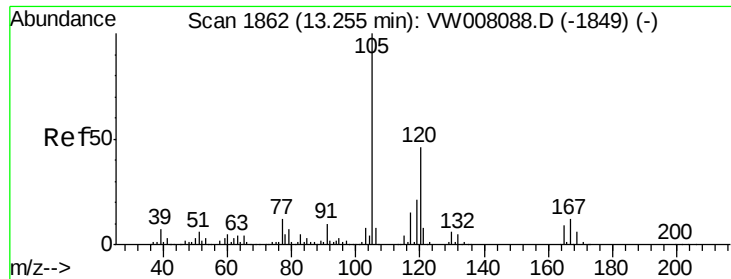
Tgt Ion: 105 Resp: 229076

Ion Ratio Lower Upper

105 100

120 50.0 24.7 74.1

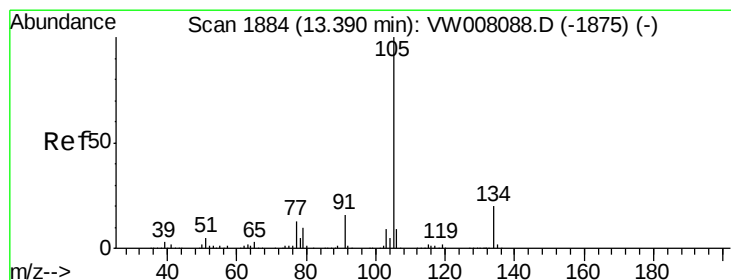
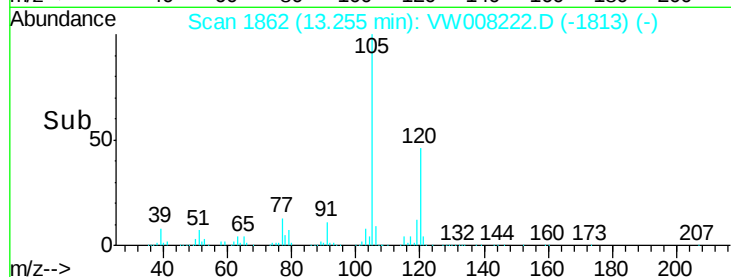
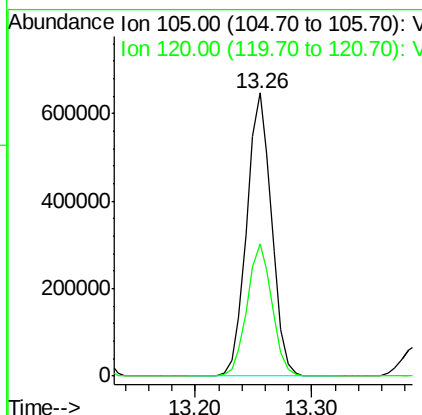
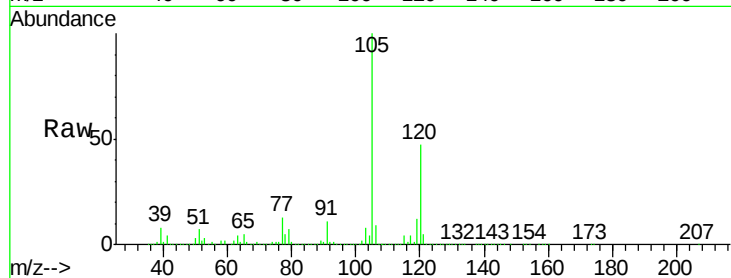




#84
 1,2,4-Trimethylbenzene
 Concen: 194.549 ug/l
 RT: 13.26 min Scan# 1862
 Delta R.T. -0.00 min
 Lab File: VW008222.D
 Acq: 12 Jan 2019 05:48

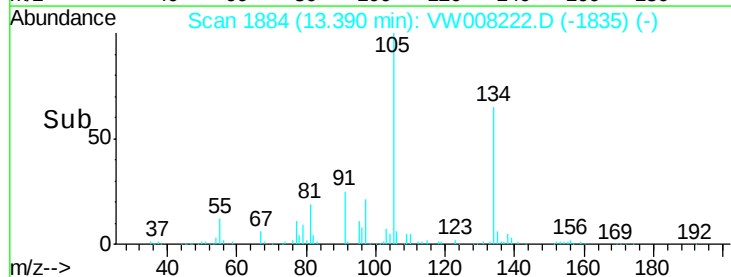
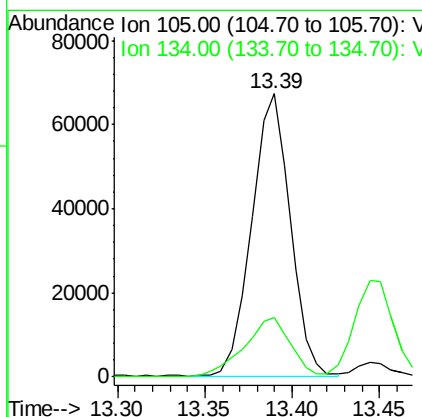
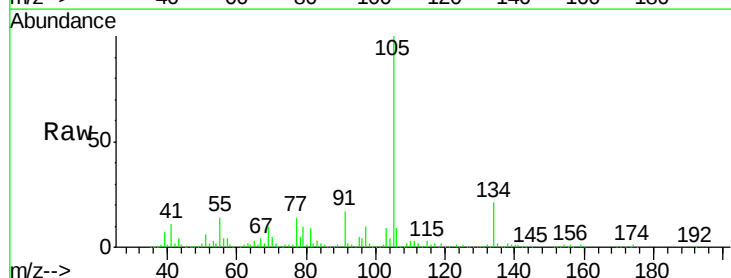
Instrument :
 MSVOA_W
 ClientSampled :
 DS-A

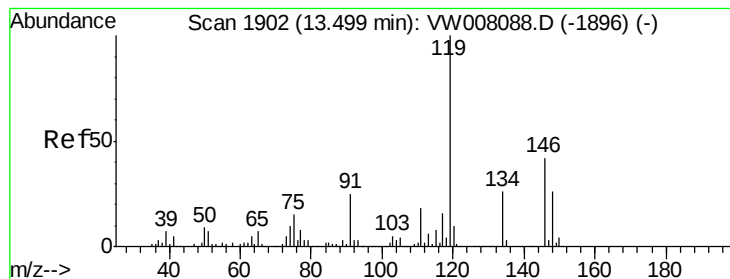
Tot Ion:105 Resp: 961062
 Ion Ratio Lower Upper
 105 100
 120 46.5 22.7 68.1



#85
 sec-Butylbenzene
 Concen: 16.525 ug/l
 RT: 13.39 min Scan# 1884
 Delta R.T. -0.00 min
 Lab File: VW008222.D
 Acq: 12 Jan 2019 05:48

Tgt Ion:105 Resp: 102571
 Ion Ratio Lower Upper
 105 100
 134 25.5 10.1 30.1





#86

p-Isopropyltoluene

Concen: 10.932 ug/l

RT: 13.51 min Scan# 1903

Delta R.T. 0.01 min

Lab File: VW008222.D

Acq: 12 Jan 2019 05:48

Instrument :

MSVOA_W

ClientSampled :

DS-A

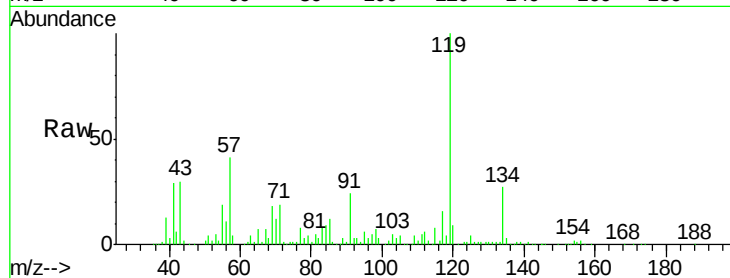
Tot Ion:119 Resp: 58596

Ion Ratio Lower Upper

119 100

134 27.1 13.3 39.8

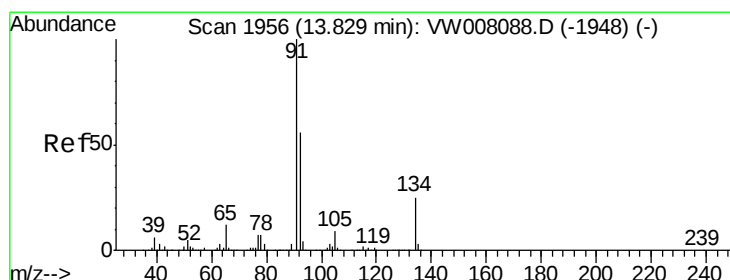
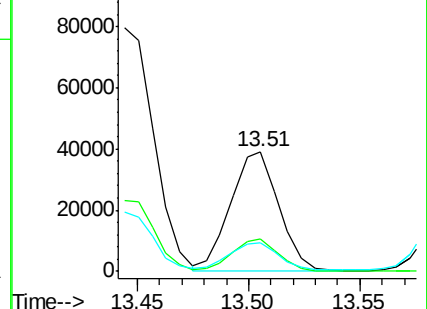
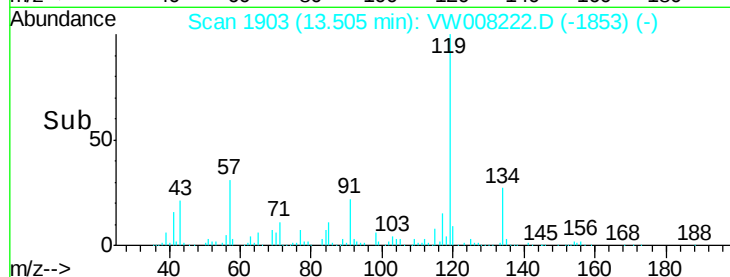
91 23.1 12.3 36.9



Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V



#89

n-Butylbenzene

Concen: 21.958 ug/l

RT: 13.83 min Scan# 1956

Delta R.T. -0.00 min

Lab File: VW008222.D

Acq: 12 Jan 2019 05:48

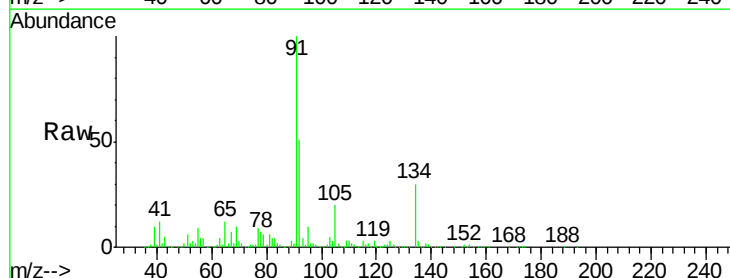
Tgt Ion: 91 Resp: 115271

Ion Ratio Lower Upper

91 100

92 61.6 27.4 82.2

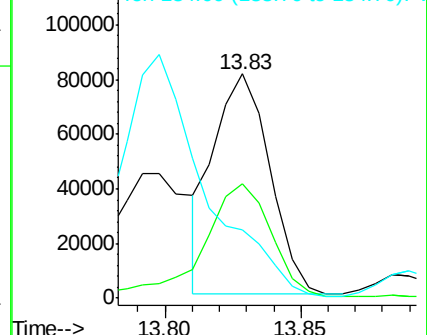
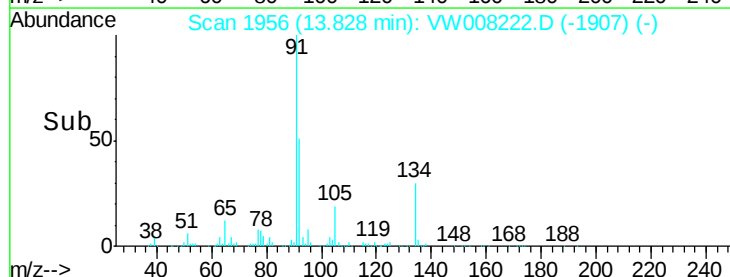
134 0.0 12.6 37.8#

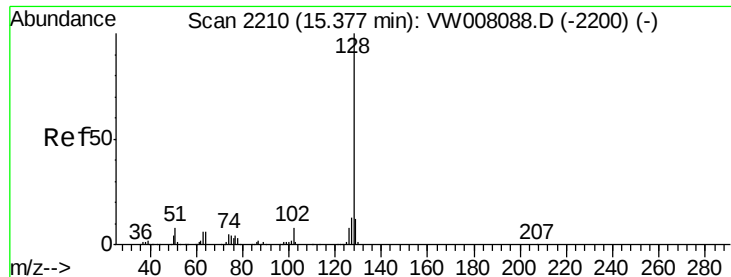


Abundance Ion 91.00 (90.70 to 91.70): VW

Ion 92.00 (91.70 to 92.70): VW

Ion 134.00 (133.70 to 134.70): V

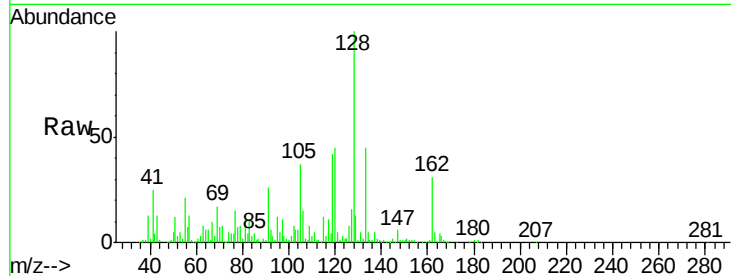




#95
 Naphthalene
 Concen: 26.612 ug/l
 RT: 15.38 min Scan# 2210
 Delta R.T. -0.00 min
 Lab File: VW008222.D
 Acq: 12 Jan 2019 05:48

Instrument :
 MSVOA_W
 ClientSampleId :
 DS-A

Tot Ion:128 Resp: 72433
 Ion Ratio Lower Upper
 128 100
 127 12.0 11.0 16.4
 129 7.6 9.0 13.6#



Abundance Ion 128.00 (127.70 to 128.70): V
 Ion 127.00 (126.70 to 127.70): V
 Ion 129.00 (128.70 to 129.70): V

