

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW011619\
 Data File : VW008309.D
 Acq On : 16 Jan 2019 15:35
 Operator : SY/VA
 Sample : K1010-05
 Misc : 5.14G/5ML/MSVOA W/SOIL
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 OK-01-011519-B

Quant Time: Jan 17 06:05:56 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

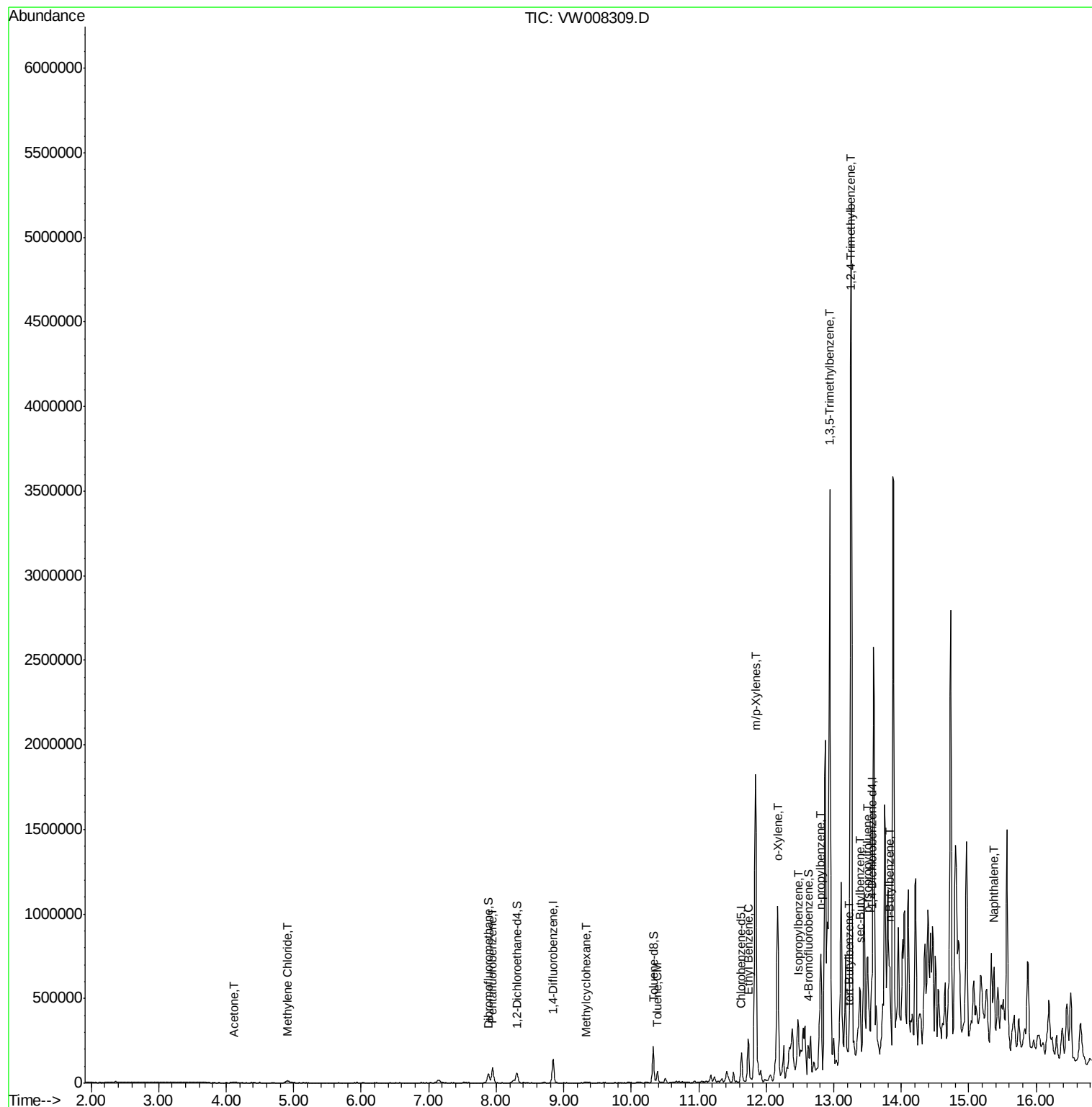
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	61524	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	115587	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	95254	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.57	152	36908	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.31	65	42543	61.52	ug/l	0.00
Spiked Amount 50.000			Recovery	=	123.04%	
35) Dibromofluoromethane	7.88	113	39493	58.58	ug/l	0.00
Spiked Amount 50.000			Recovery	=	117.16%	
50) Toluene-d8	10.32	98	136527	48.26	ug/l	0.00
Spiked Amount 50.000			Recovery	=	96.52%	
62) 4-Bromofluorobenzene	12.62	95	43788	43.18	ug/l	0.00
Spiked Amount 50.000			Recovery	=	86.36%	
Target Compounds						
					Qvalue	
16) Acetone	4.12	43	9708	62.220	ug/l #	83
20) Methylene Chloride	4.90	84	9932	10.821	ug/l	98
39) Methylcyclohexane	9.34	83	1899	1.258	ug/l	86
52) Toluene	10.39	92	29035	14.078	ug/l	100
67) Ethyl Benzene	11.73	91	169973	46.033	ug/l	99
68) m/p-Xylenes	11.84	106	410238	291.081	ug/l	98
69) o-Xylene	12.17	106	264868	202.945	ug/l	100
73) Isopropylbenzene	12.47	105	161811	55.843	ug/l	100
78) n-propylbenzene	12.81	91	534828	150.639	ug/l	98
80) 1,3,5-Trimethylbenzene	12.94	105	650135	273.034	ug/l	100
83) tert-Butylbenzene	13.21	119	17062	8.099	ug/l	95
84) 1,2,4-Trimethylbenzene	13.26	105	2653132	1080.326	ug/l	98
85) sec-Butylbenzene	13.39	105	246481	79.875	ug/l	81
86) p-Isopropyltoluene	13.51	119	218960	82.170	ug/l	97
89) n-Butylbenzene	13.83	91	364221	139.555	ug/l #	74
95) Naphthalene	15.37	128	374904	277.062	ug/l	100

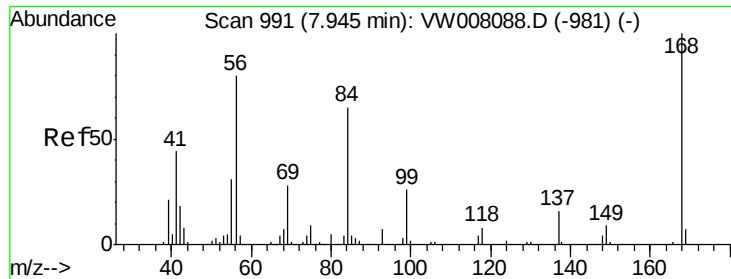
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: VW008309.D

Acq: 16 Jan 2019 15:35

Instrument :

MSVOA_W

ClientSampleId :

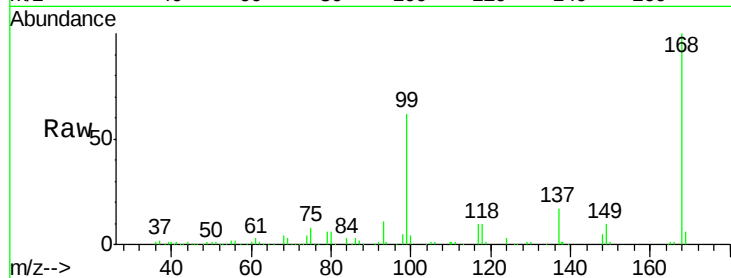
OK-01-011519-B

Tot Ion:168 Resp: 61524

Ion Ratio Lower Upper

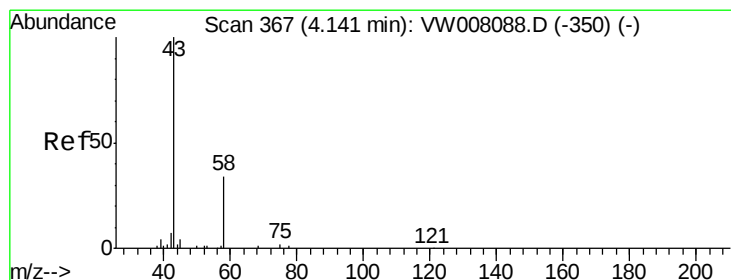
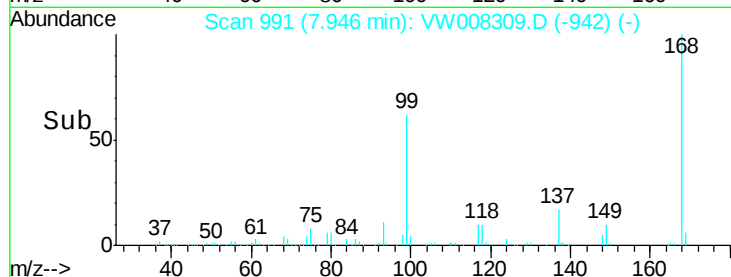
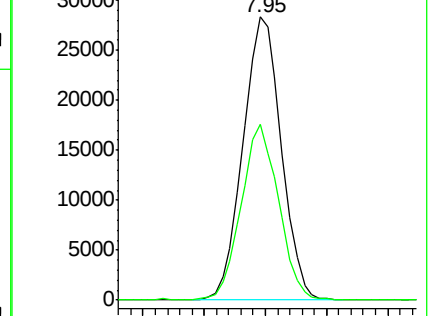
168 100

99 62.0 52.6 78.8



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW



#16

Acetone

Concen: 62.220 ug/l

RT: 4.12 min Scan# 364

Delta R.T. -0.02 min

Lab File: VW008309.D

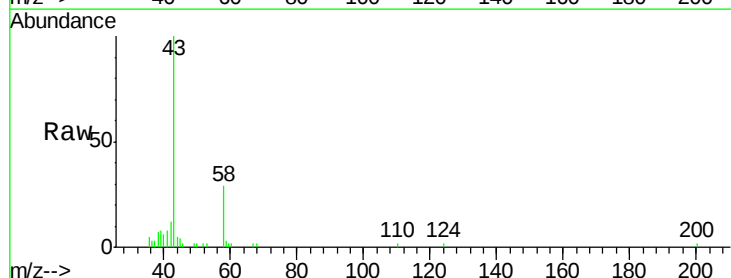
Acq: 16 Jan 2019 15:35

Tgt Ion: 43 Resp: 9708

Ion Ratio Lower Upper

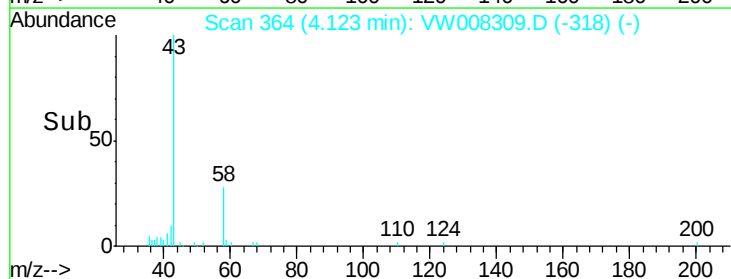
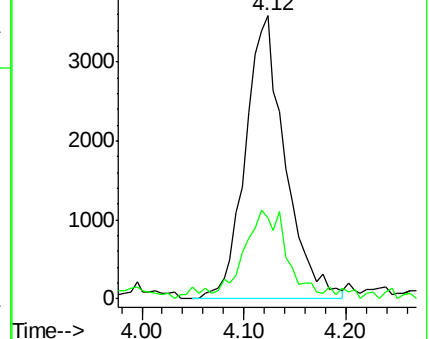
43 100

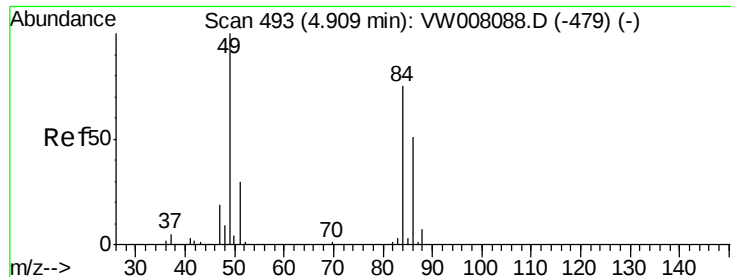
58 24.8 27.5 41.3#



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW





#20

Methylene Chloride

Concen: 10.821 ug/l

RT: 4.90 min Scan# 492

Delta R.T. -0.01 min

Lab File: VW008309.D

Acq: 16 Jan 2019 15:35

Instrument :

MSVOA_W

ClientSampleId :

OK-01-011519-B

Tot Ion: 84 Resp: 9932

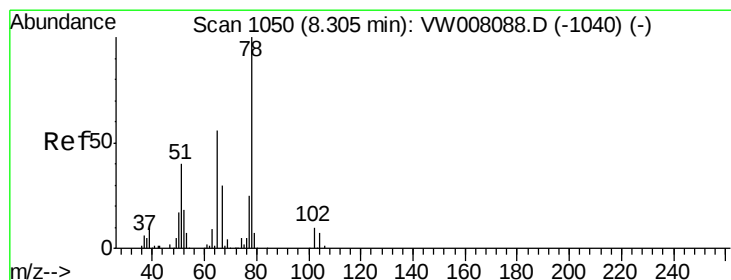
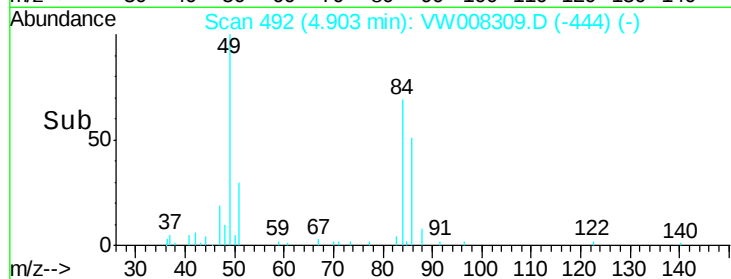
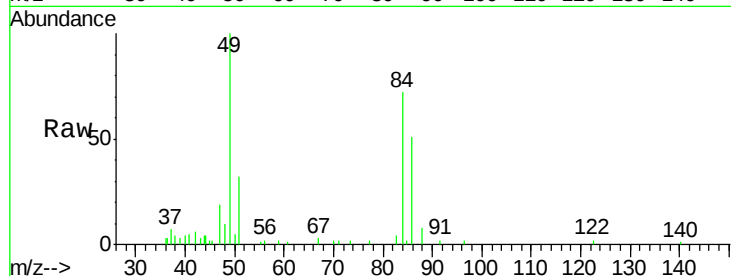
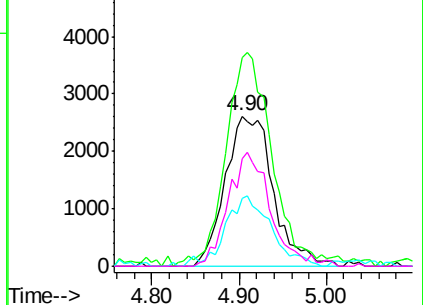
Ion	Ratio	Lower	Upper
84	100		
49	132.5	107.1	160.7
51	41.6	32.4	48.6
86	71.8	54.2	81.4

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



#33

1,2-Dichloroethane-d4

Concen: 61.525 ug/l

RT: 8.31 min Scan# 1050

Delta R.T. 0.00 min

Lab File: VW008309.D

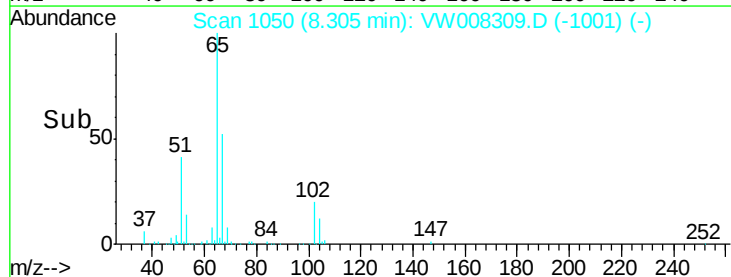
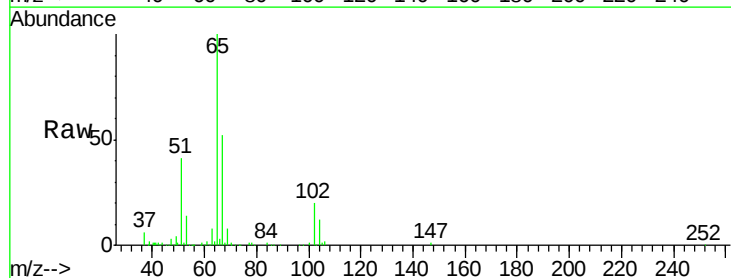
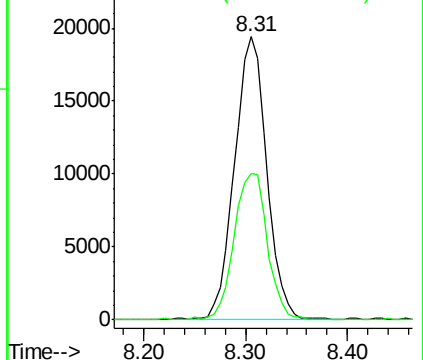
Acq: 16 Jan 2019 15:35

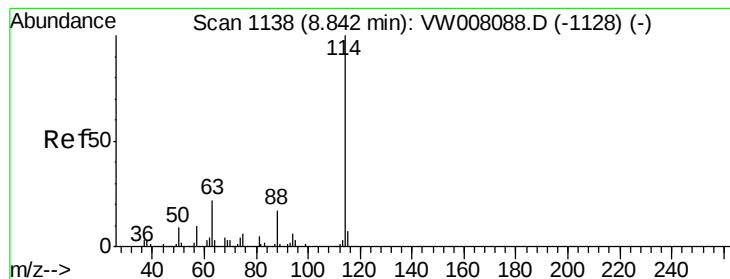
Tgt Ion: 65 Resp: 42543

Ion	Ratio	Lower	Upper
65	100		
67	53.4	0.0	106.8

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: 8.84 min Scan# 1138

Delta R.T. 0.00 min

Lab File: VW008309.D

Acq: 16 Jan 2019 15:35

Instrument :

MSVOA_W

ClientSampleId :

OK-01-011519-B

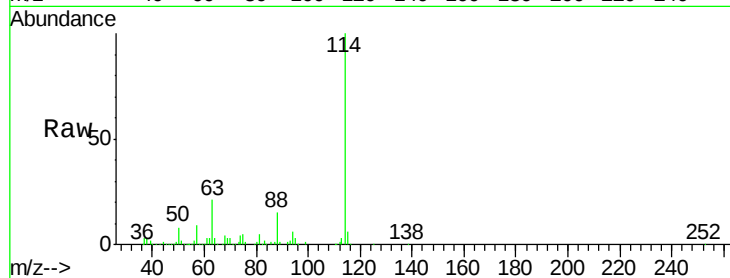
Tot Ion:114 Resp: 115587

Ion Ratio Lower Upper

114 100

63 20.7 0.0 43.4

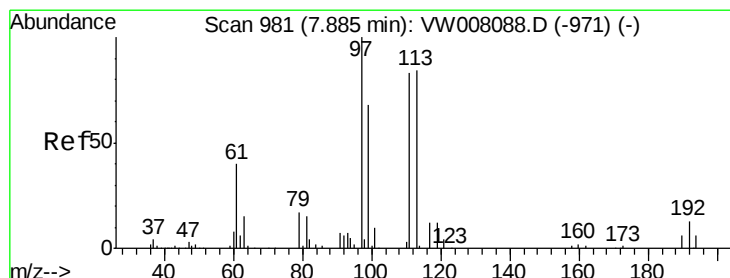
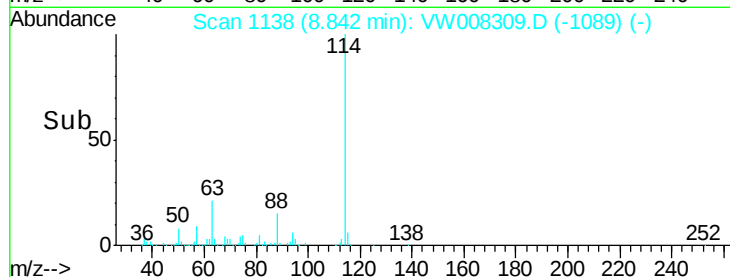
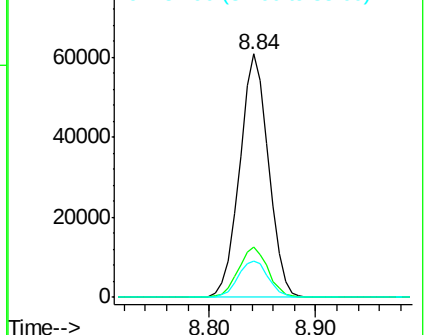
88 14.9 0.0 33.4



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: 58.582 ug/l

RT: 7.88 min Scan# 980

Delta R.T. -0.01 min

Lab File: VW008309.D

Acq: 16 Jan 2019 15:35

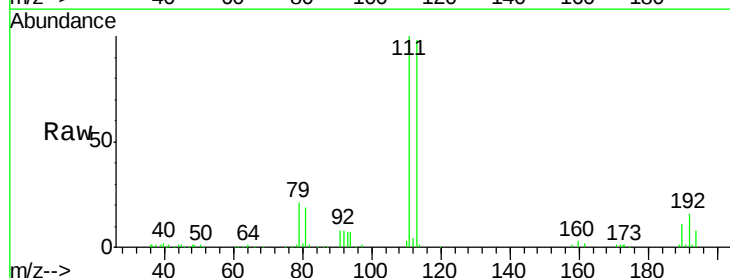
Tgt Ion:113 Resp: 39493

Ion Ratio Lower Upper

113 100

111 102.2 81.8 122.8

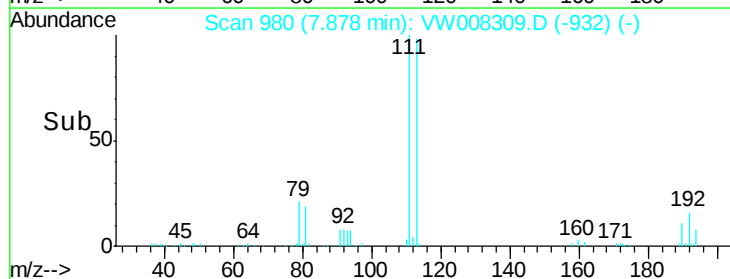
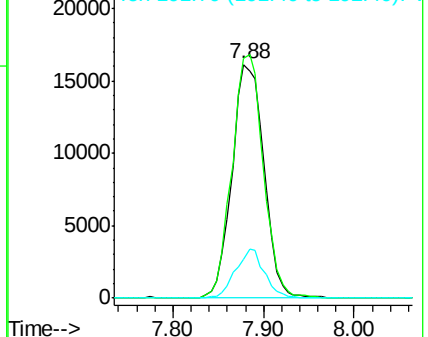
192 18.9 12.8 19.2

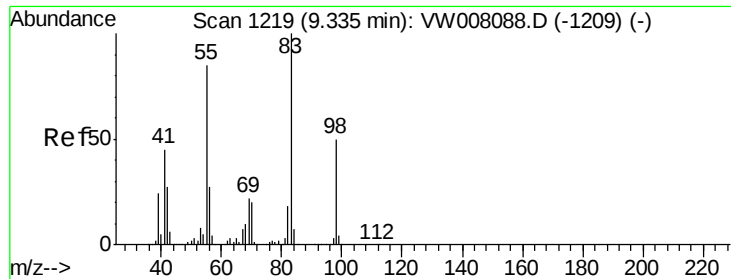


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V

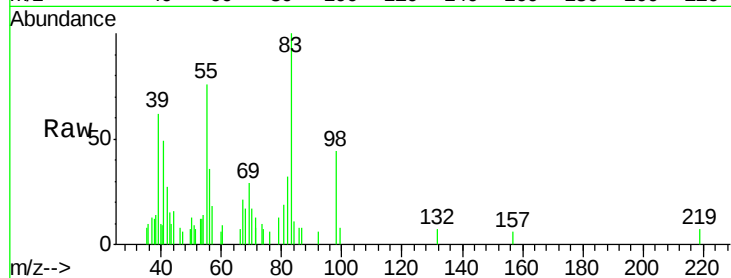




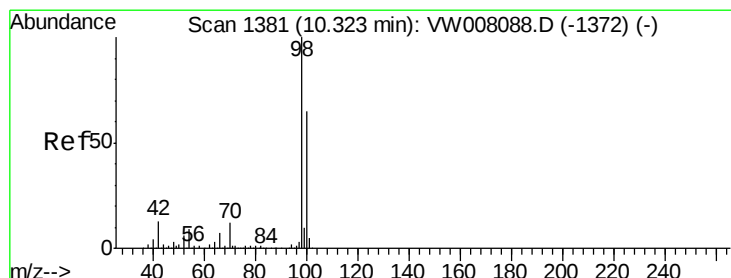
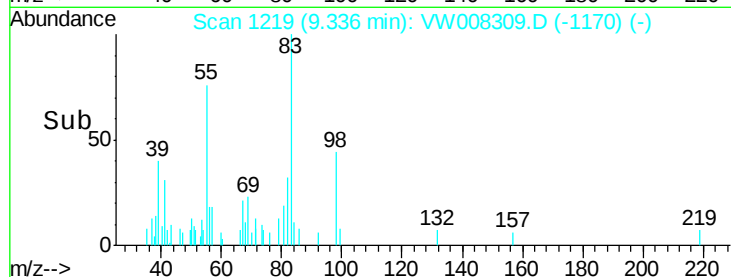
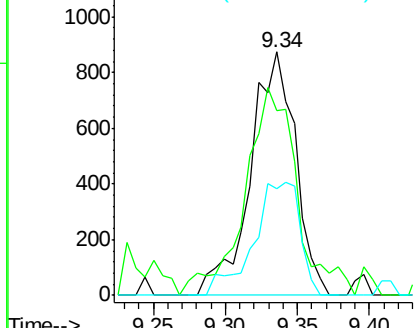
#39
Methvlcvclohexane
Concen: 1.258 ug/l
RT: 9.34 min Scan# 1219
Delta R.T. 0.00 min
Lab File: VW008309.D
Acq: 16 Jan 2019 15:35

Instrument :
MSVOA_W
ClientSampleId :
OK-01-011519-B

Tot Ion: 83 Resp: 1899
Ion Ratio Lower Upper
83 100
55 69.9 67.8 101.6
98 43.7 40.2 60.4

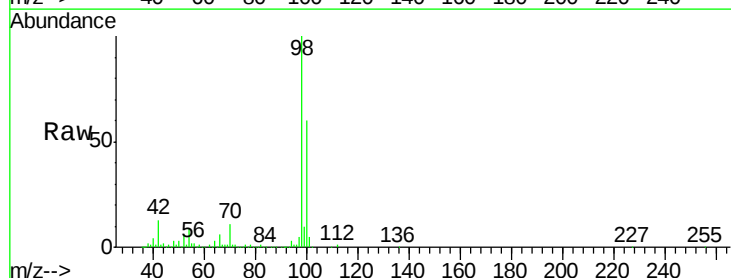


Abundance Ion 83.00 (82.70 to 83.70): VW
Ion 55.00 (54.70 to 55.70): VW
Ion 98.00 (97.70 to 98.70): VW

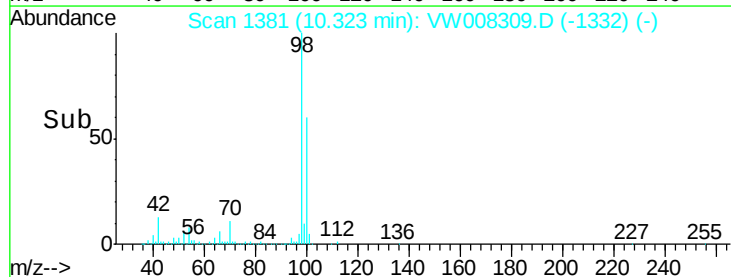
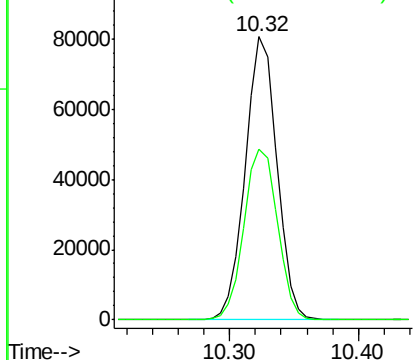


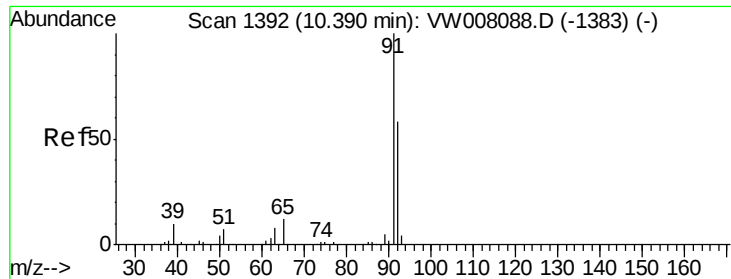
#50
Toluene-d8
Concen: 48.260 ug/l
RT: 10.32 min Scan# 1381
Delta R.T. 0.00 min
Lab File: VW008309.D
Acq: 16 Jan 2019 15:35

Tgt Ion: 98 Resp: 136527
Ion Ratio Lower Upper
98 100
100 64.1 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: 14.078 ug/l

RT: 10.39 min Scan# 1392

Delta R.T. 0.00 min

Lab File: VW008309.D

Acq: 16 Jan 2019 15:35

Instrument :

MSVOA_W

ClientSampleId :

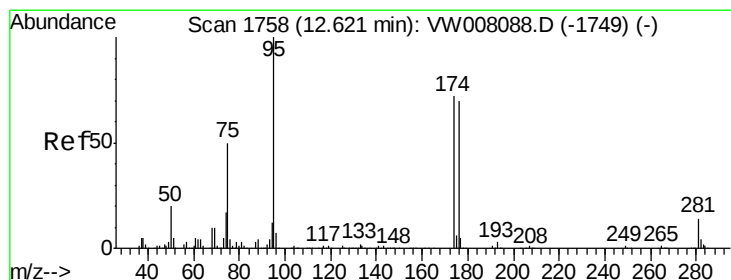
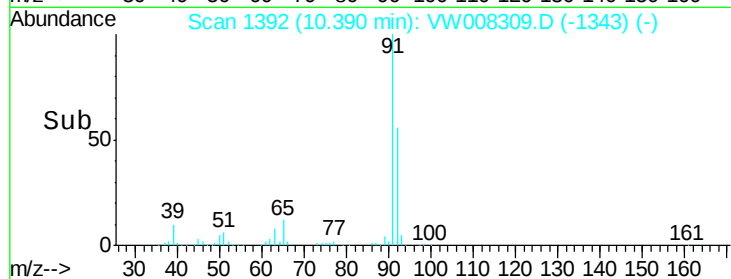
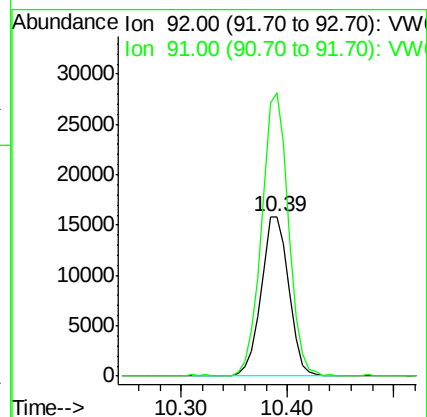
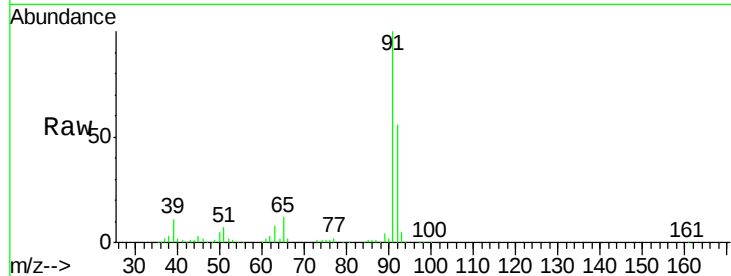
OK-01-011519-B

Tot Ion: 92 Resp: 29035

Ion Ratio Lower Upper

92 100

91 171.3 137.0 205.4



#62

4-Bromofluorobenzene

Concen: 43.175 ug/l

RT: 12.62 min Scan# 1758

Delta R.T. 0.00 min

Lab File: VW008309.D

Acq: 16 Jan 2019 15:35

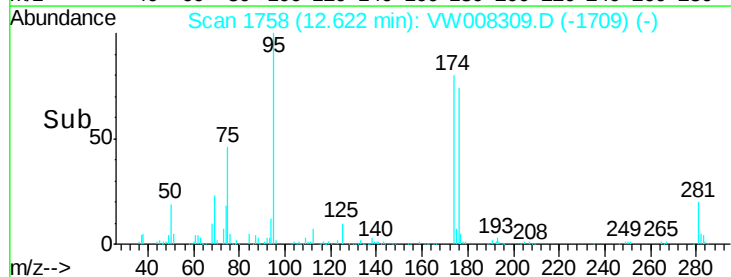
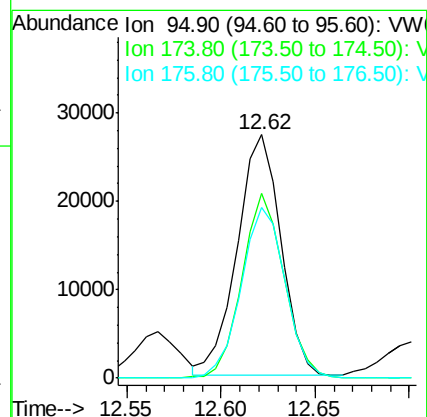
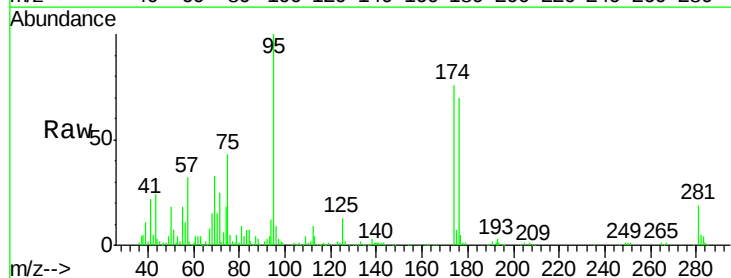
Tgt Ion: 95 Resp: 43788

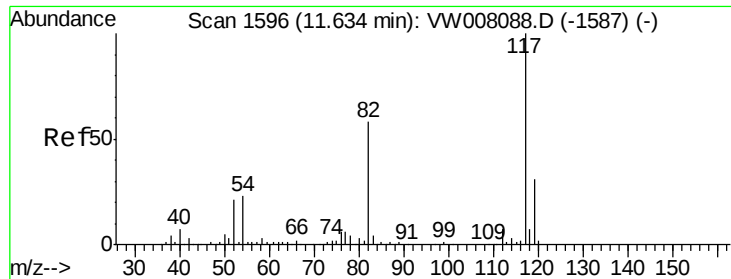
Ion Ratio Lower Upper

95 100

174 73.8 0.0 143.0

176 71.5 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: VW008309.D

Acq: 16 Jan 2019 15:35

Instrument :

MSVOA_W

ClientSampleId :

OK-01-011519-B

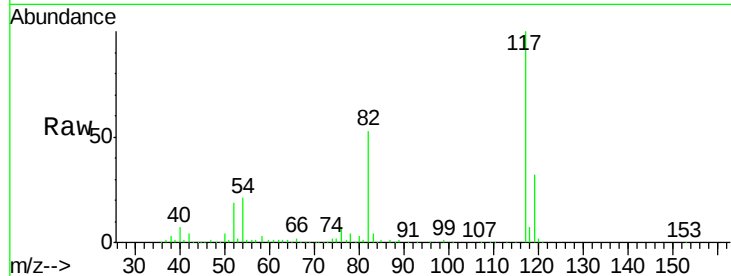
Tot Ion:117 Resp: 95254

Ion Ratio Lower Upper

117 100

82 52.5 46.4 69.6

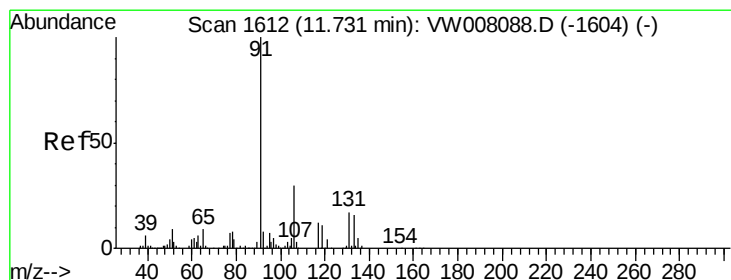
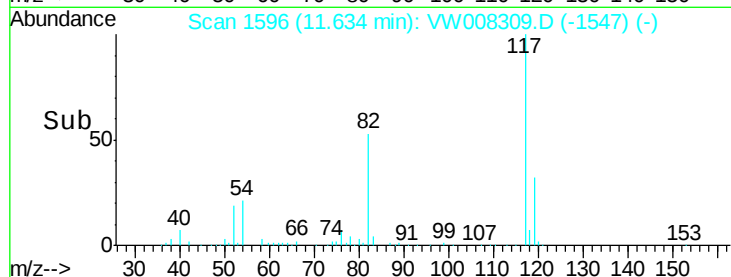
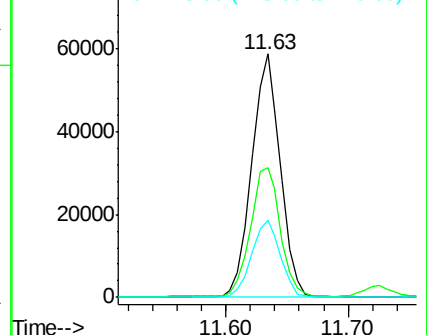
119 32.0 24.7 37.1



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: 46.033 ug/l

RT: 11.73 min Scan# 1612

Delta R.T. 0.00 min

Lab File: VW008309.D

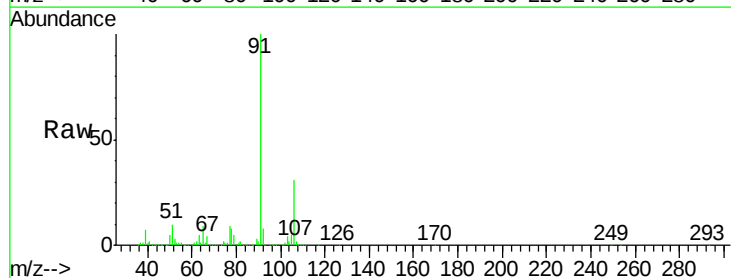
Acq: 16 Jan 2019 15:35

Tgt Ion: 91 Resp: 169973

Ion Ratio Lower Upper

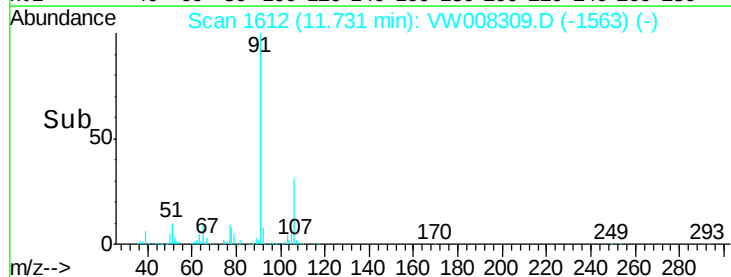
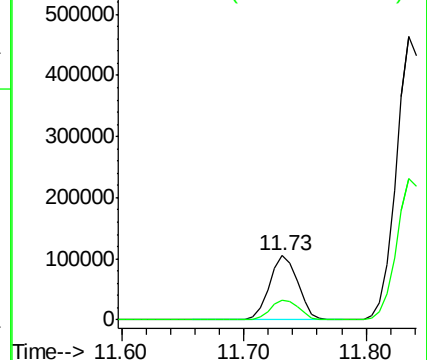
91 100

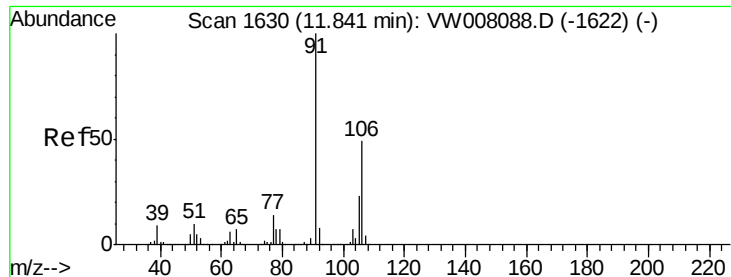
106 31.1 24.2 36.4



Abundance Ion 91.00 (90.70 to 91.70): VW

Ion 106.00 (105.70 to 106.70): V

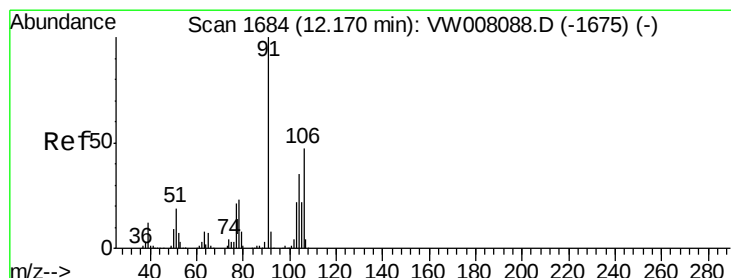
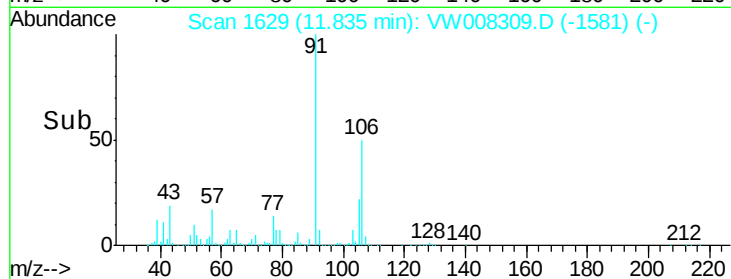
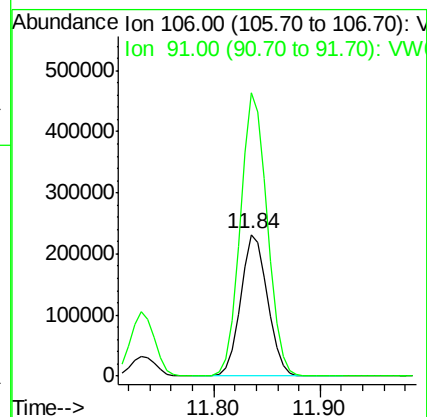
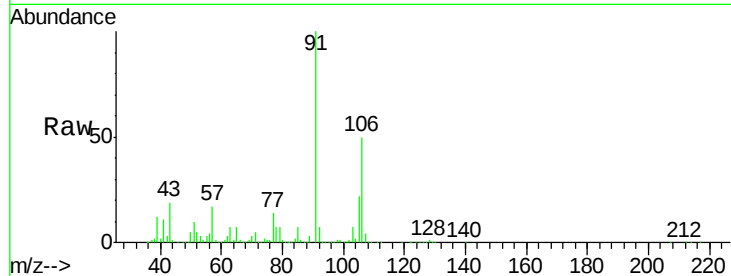




#68
m/p-Xylenes
Concen: 291.081 ug/l
RT: 11.84 min Scan# 1629
Delta R.T. -0.01 min
Lab File: VW008309.D
Acq: 16 Jan 2019 15:35

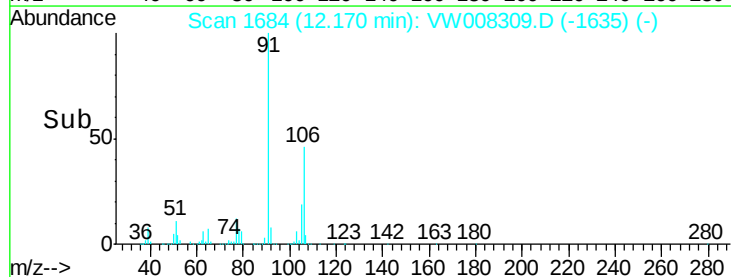
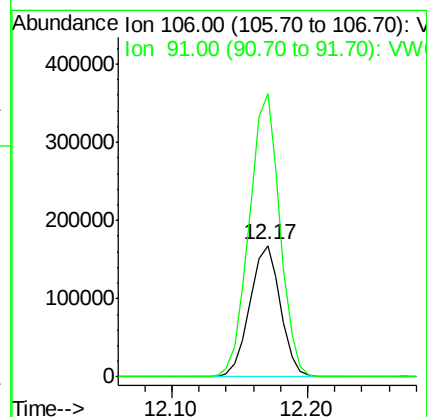
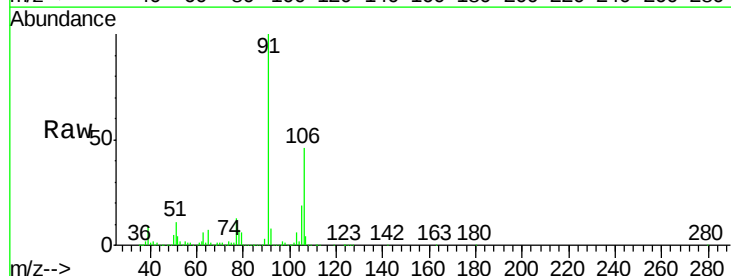
Instrument :
MSVOA_W
ClientSampleId :
OK-01-011519-B

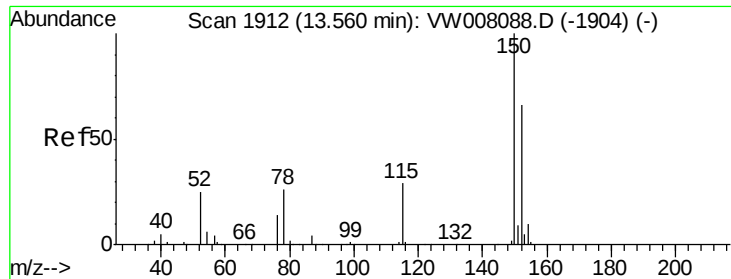
Tot Ion:106 Resp: 410238
Ion Ratio Lower Upper
106 100
91 200.3 162.4 243.6



#69
o-Xylene
Concen: 202.945 ug/l
RT: 12.17 min Scan# 1684
Delta R.T. 0.00 min
Lab File: VW008309.D
Acq: 16 Jan 2019 15:35

Tgt Ion:106 Resp: 264868
Ion Ratio Lower Upper
106 100
91 215.7 107.8 323.6





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.57 min Scan# 1913

Delta R.T. 0.01 min

Lab File: VW008309.D

Acq: 16 Jan 2019 15:35

Instrument :

MSVOA_W

ClientSampleId :

OK-01-011519-B

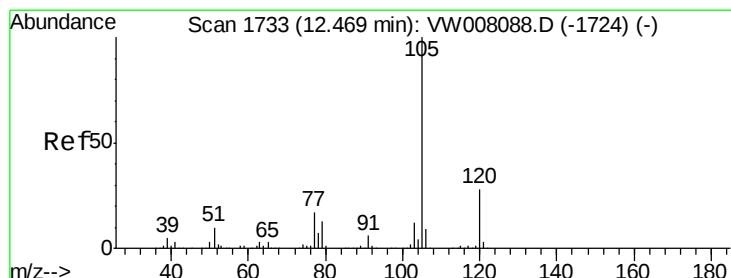
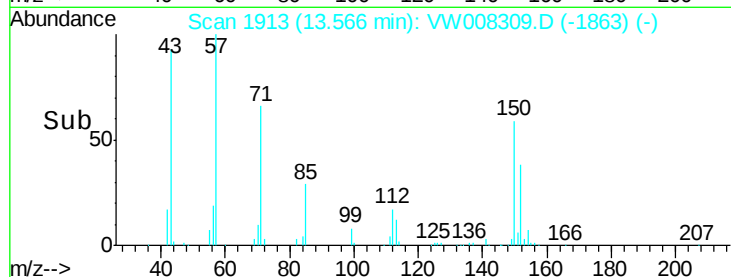
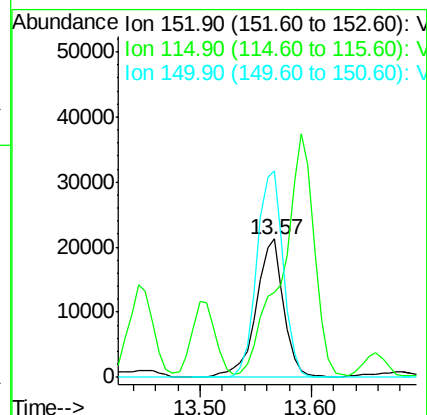
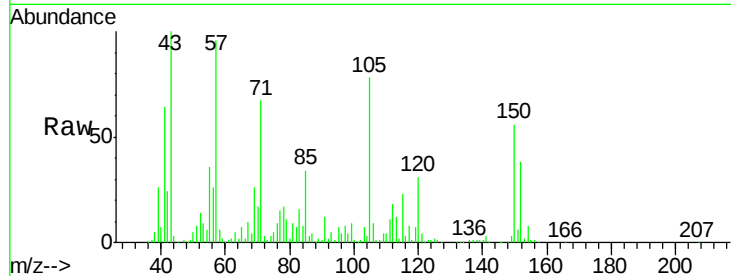
Tot Ion:152 Resp: 36908

Ion Ratio Lower Upper

152 100

115 0.0 30.8 92.4#

150 142.2 0.0 350.2



#73

Isopropylbenzene

Concen: 55.843 ug/l

RT: 12.47 min Scan# 1733

Delta R.T. 0.00 min

Lab File: VW008309.D

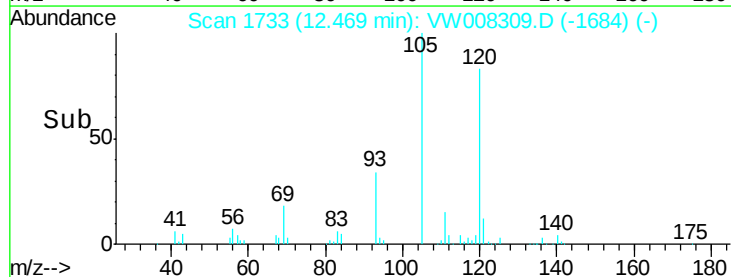
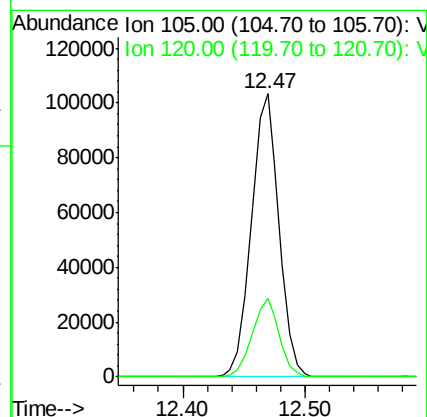
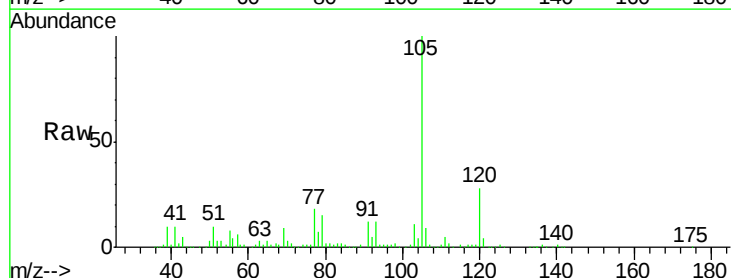
Acq: 16 Jan 2019 15:35

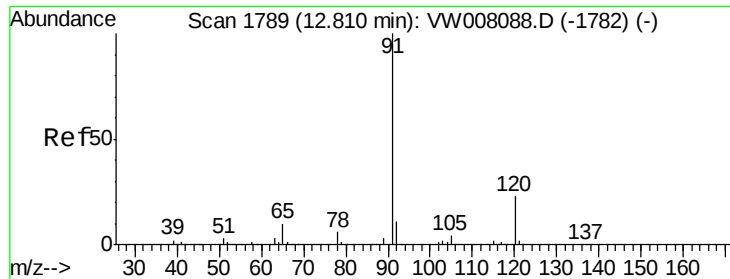
Tgt Ion:105 Resp: 161811

Ion Ratio Lower Upper

105 100

120 27.1 13.6 40.8





#78

n-propylbenzene

Concen: 150.639 ug/l

RT: 12.81 min Scan# 1789

Delta R.T. 0.00 min

Lab File: VW008309.D

Acq: 16 Jan 2019 15:35

Instrument :

MSVOA_W

ClientSampleId :

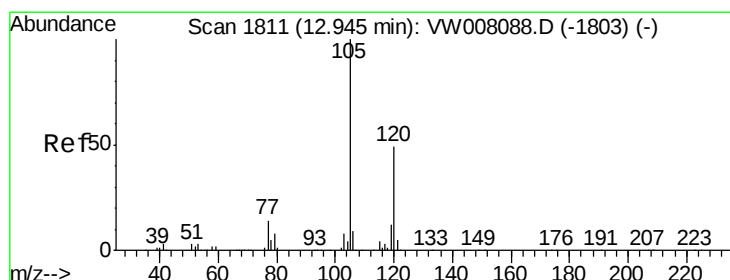
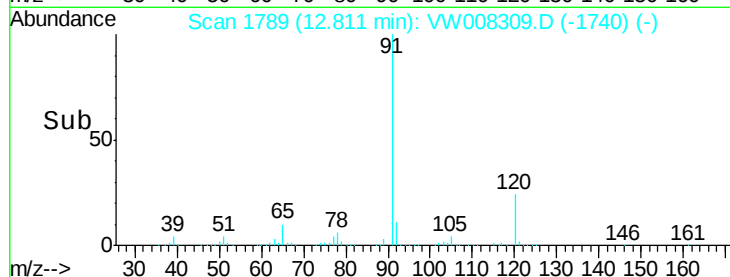
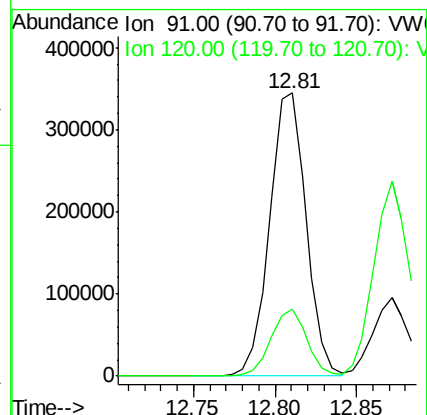
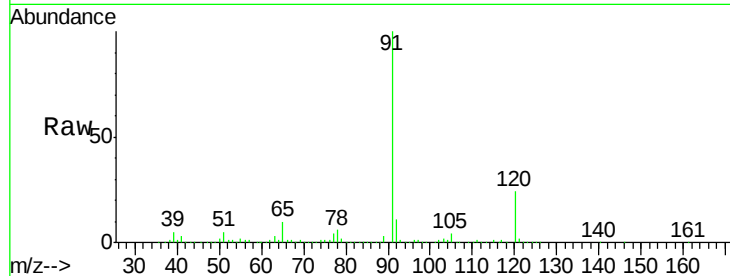
OK-01-011519-B

Tot Ion: 91 Resp: 534828

Ion Ratio Lower Upper

91 100

120 23.3 11.3 33.8



#80

1,3,5-Trimethylbenzene

Concen: 273.034 ug/l

RT: 12.94 min Scan# 1811

Delta R.T. 0.00 min

Lab File: VW008309.D

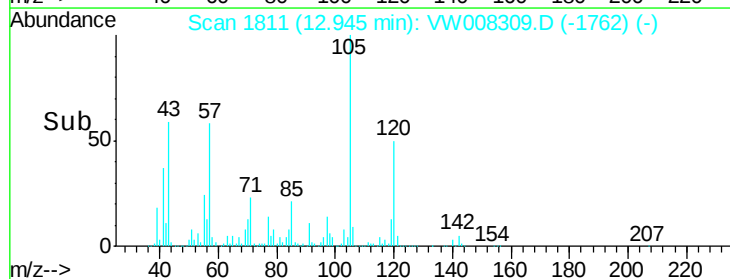
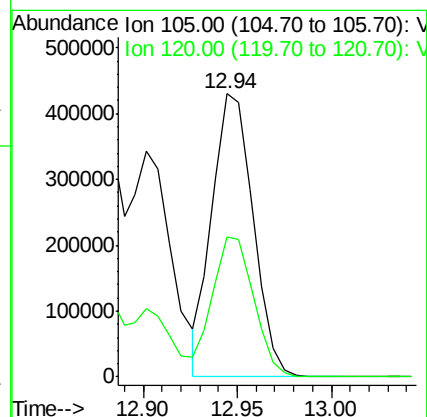
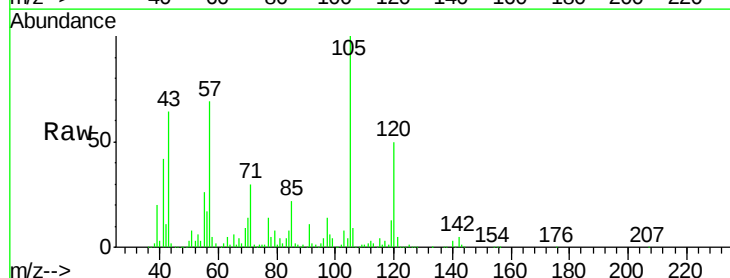
Acq: 16 Jan 2019 15:35

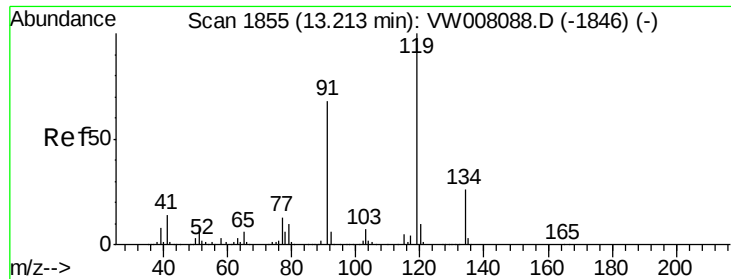
Tgt Ion: 105 Resp: 650135

Ion Ratio Lower Upper

105 100

120 49.7 24.7 74.1

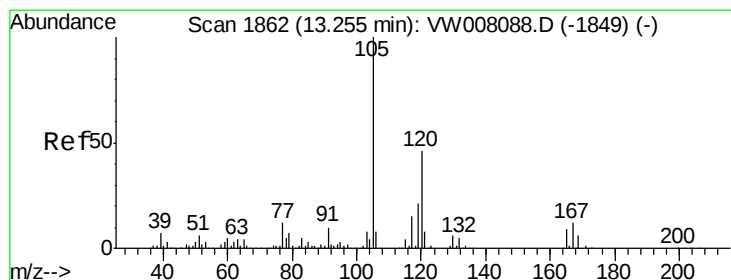
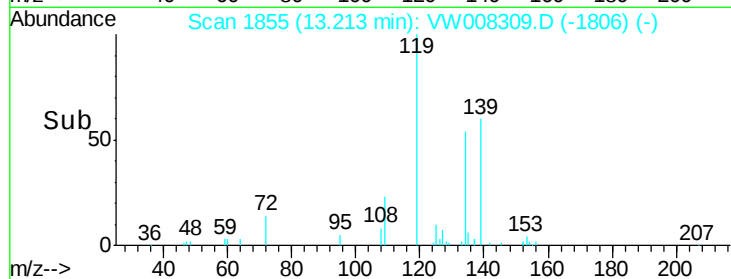
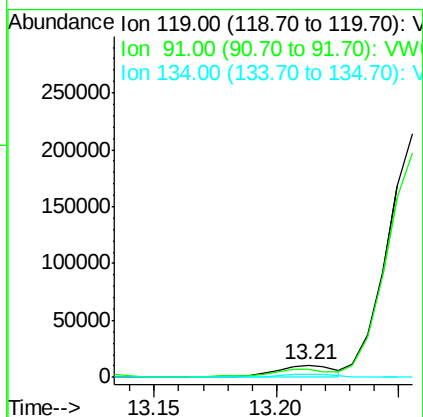
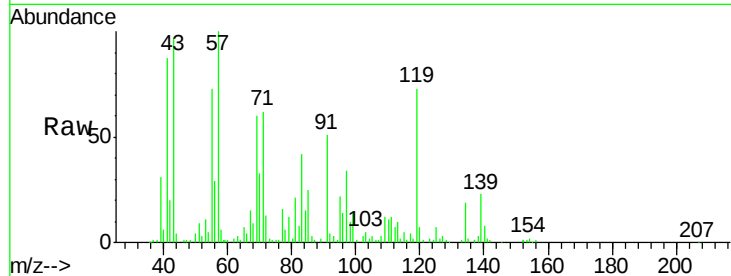




#83
 tert-Butylbenzene
 Concen: 8.099 ug/l
 RT: 13.21 min Scan# 1855
 Delta R.T. 0.00 min
 Lab File: VW008309.D
 Acq: 16 Jan 2019 15:35

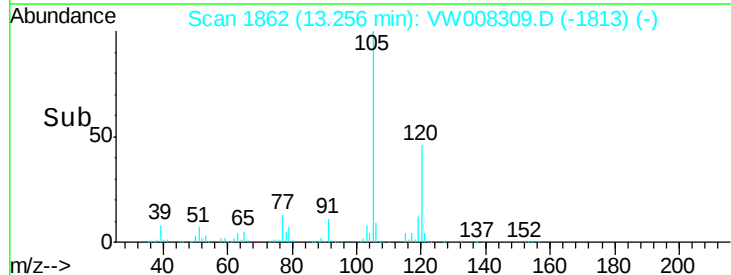
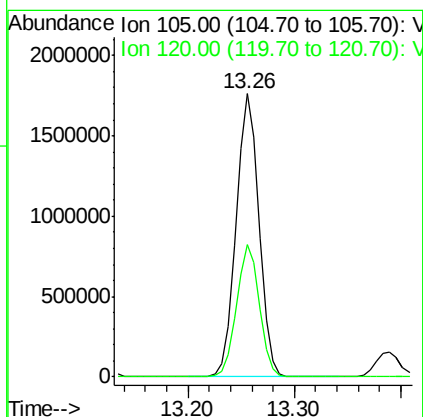
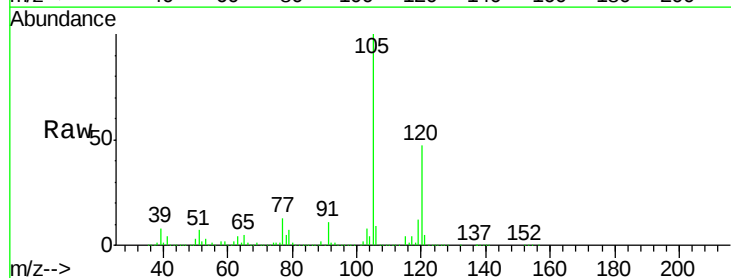
Instrument :
 MSVOA_W
 ClientSampleId :
 OK-01-011519-B

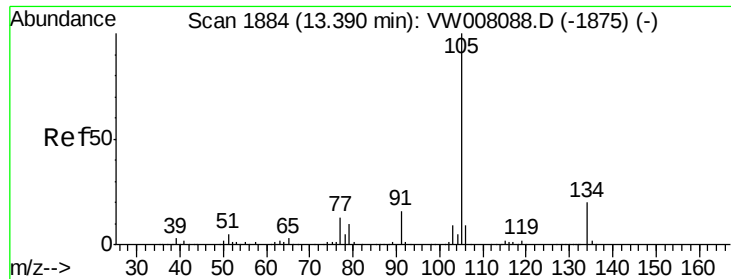
Tot Ion:119 Resp: 17062
 Ion Ratio Lower Upper
 119 100
 91 73.2 33.9 101.6
 134 27.9 13.6 40.8



#84
 1,2,4-Trimethylbenzene
 Concen: 1080.326 ug/l
 RT: 13.26 min Scan# 1862
 Delta R.T. 0.00 min
 Lab File: VW008309.D
 Acq: 16 Jan 2019 15:35

Tgt Ion:105 Resp: 2653132
 Ion Ratio Lower Upper
 105 100
 120 46.6 22.7 68.1

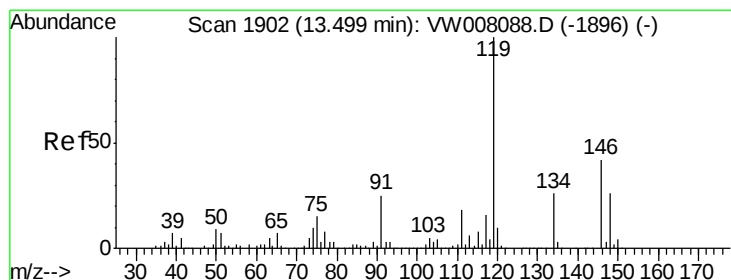
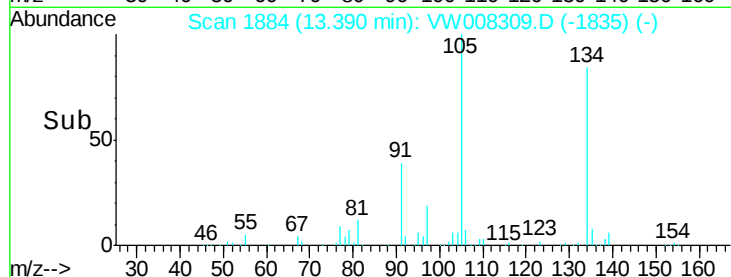
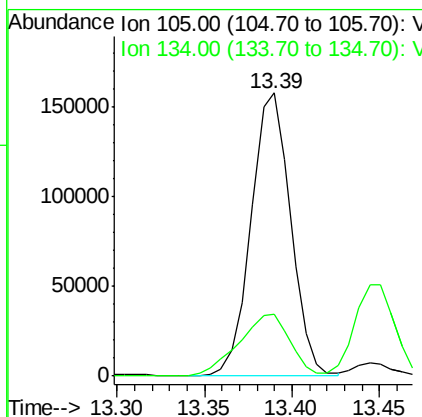
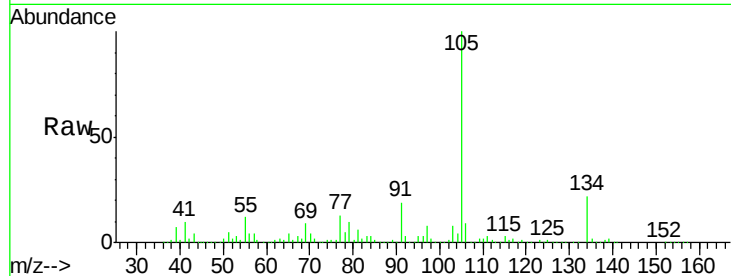




#85
 sec-Butylbenzene
 Concen: 79.875 ug/l
 RT: 13.39 min Scan# 1884
 Delta R.T. 0.00 min
 Lab File: VW008309.D
 Acq: 16 Jan 2019 15:35

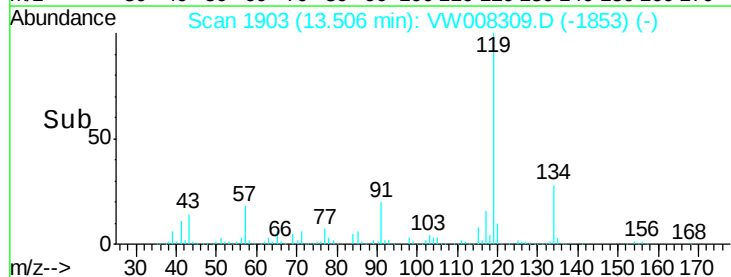
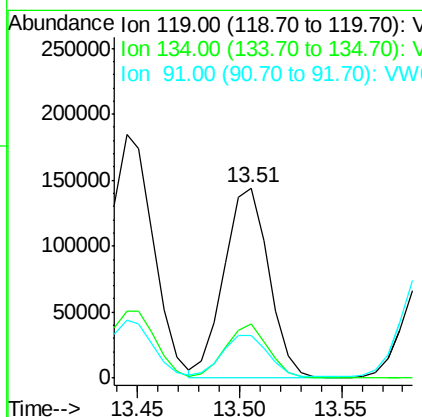
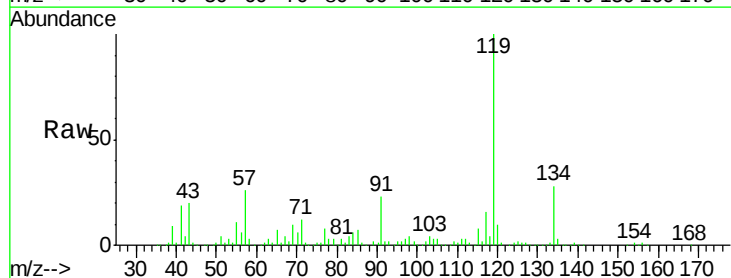
Instrument :
 MSVOA_W
 ClientSampleId :
 OK-01-011519-B

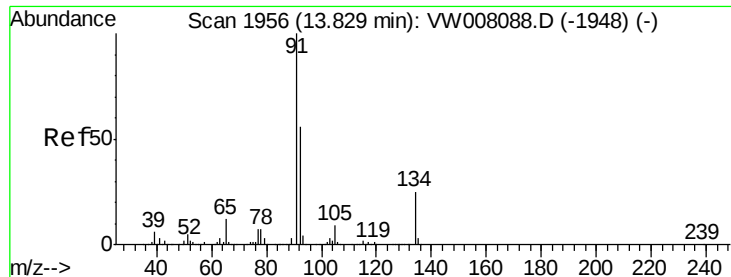
Tot Ion:105 Resp: 246481
 Ion Ratio Lower Upper
 105 100
 134 28.9 10.1 30.1



#86
 p-Isopropyltoluene
 Concen: 82.170 ug/l
 RT: 13.51 min Scan# 1903
 Delta R.T. 0.01 min
 Lab File: VW008309.D
 Acq: 16 Jan 2019 15:35

Tgt Ion:119 Resp: 218960
 Ion Ratio Lower Upper
 119 100
 134 27.5 13.3 39.8
 91 22.4 12.3 36.9





#89

n-Butylbenzene

Concen: 139.555 ug/l

RT: 13.83 min Scan# 1956

Delta R.T. 0.00 min

Lab File: VW008309.D

Acq: 16 Jan 2019 15:35

Instrument :

MSVOA_W

ClientSampleId :

OK-01-011519-B

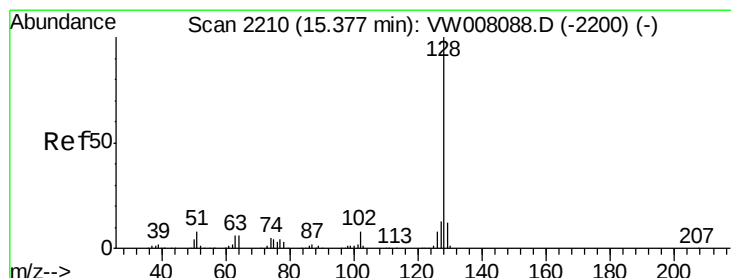
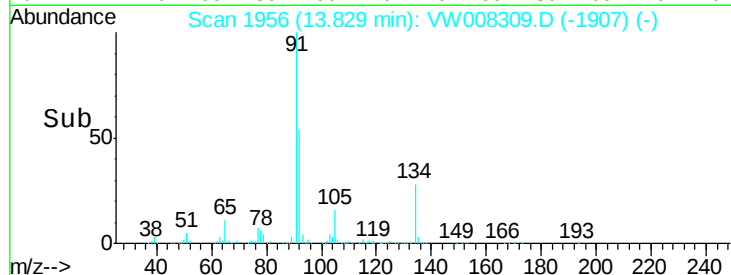
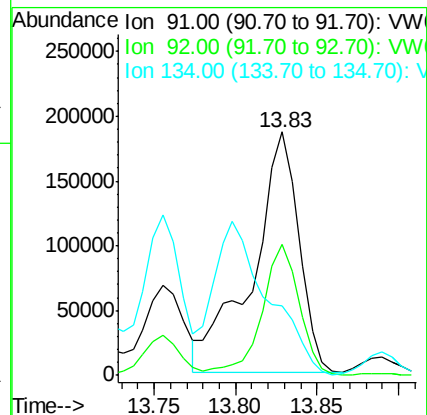
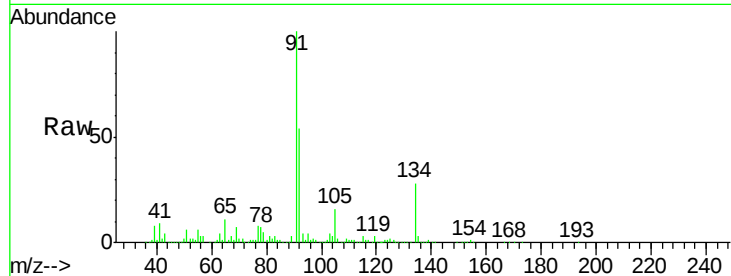
Tot Ion: 91 Resp: 364221

Ion Ratio Lower Upper

91 100

92 43.7 27.4 82.2

134 0.0 12.6 37.8#



#95

Naphthalene

Concen: 277.062 ug/l

RT: 15.37 min Scan# 2209

Delta R.T. -0.01 min

Lab File: VW008309.D

Acq: 16 Jan 2019 15:35

Tgt Ion: 128 Resp: 374904

Ion Ratio Lower Upper

128 100

127 14.0 11.0 16.4

129 11.2 9.0 13.6

