

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW030519\
 Data File : VW008974.D
 Acq On : 04 Mar 2019 21:56
 Operator : SY/VA
 Sample : K1688-03
 Misc : 6.65G/5ML/MSVOA W/SOIL
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 JC-03-030119-B

Quant Time: Mar 05 07:14:14 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W022119S.M
 Quant Title : SW846 8260
 QLast Update : Fri Feb 22 00:38:32 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	304583	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	480452	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	395087	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	152157	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.31	65	174347	61.03	ug/l	0.00
Spiked Amount	50.000		Recovery	=	122.06%	
35) Dibromofluoromethane	7.88	113	145594	50.47	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.94%	
50) Toluene-d8	10.32	98	554749	49.82	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.64%	
62) 4-Bromofluorobenzene	12.62	95	174416	40.00	ug/l	0.00
Spiked Amount	50.000		Recovery	=	80.00%	

Target Compounds

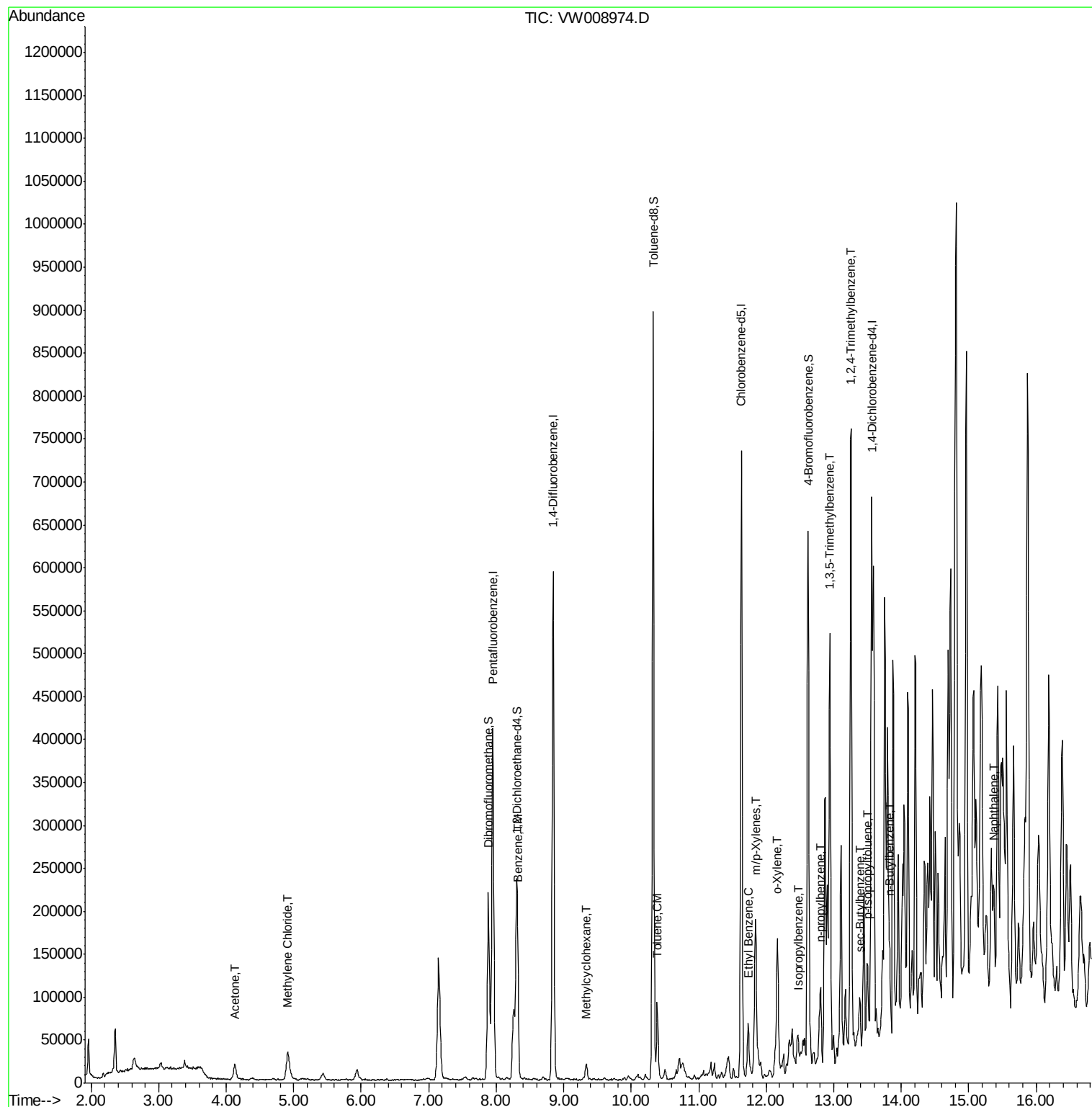
						Qvalue
16) Acetone	4.12	43	32107	48.488	ug/l	96
20) Methylene Chloride	4.91	84	24101	2.539	ug/l #	87
39) Methylcyclohexane	9.34	83	5970	1.023	ug/l #	86
40) Benzene	8.32	78	14972	1.172	ug/l	91
52) Toluene	10.39	92	37212	4.294	ug/l	97
67) Ethyl Benzene	11.73	91	38274	2.577	ug/l	95
68) m/p-Xylenes	11.84	106	39385	6.637	ug/l	100
69) o-Xylene	12.16	106	38676	6.944	ug/l	99
73) Isopropylbenzene	12.47	105	20545	1.970	ug/l	99
78) n-propylbenzene	12.80	91	63379	4.967	ug/l	97
80) 1,3,5-Trimethylbenzene	12.94	105	171909	18.965	ug/l	99
84) 1,2,4-Trimethylbenzene	13.26	105	396368	42.241	ug/l	98
85) sec-Butylbenzene	13.38	105	35037	3.109	ug/l	84
86) p-Isopropyltoluene	13.50	119	38313	3.708	ug/l	97
89) n-Butylbenzene	13.83	91	55159	5.699	ug/l #	80
95) Naphthalene	15.37	128	67140	12.010	ug/l #	90

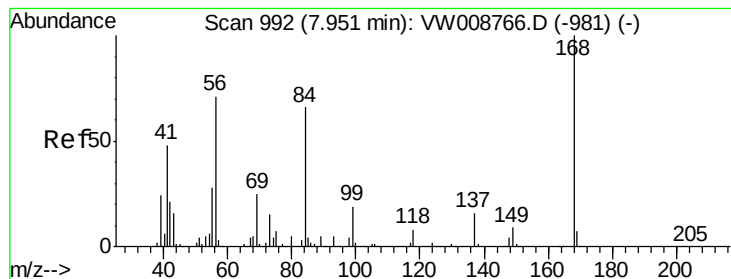
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Fri Feb 22 00:38:32 2019
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.95 min Scan# 992

Delta R.T. 0.00 min

Lab File: VW008974.D

Acq: 04 Mar 2019 21:56

Instrument :

MSVOA_W

ClientSampleId :

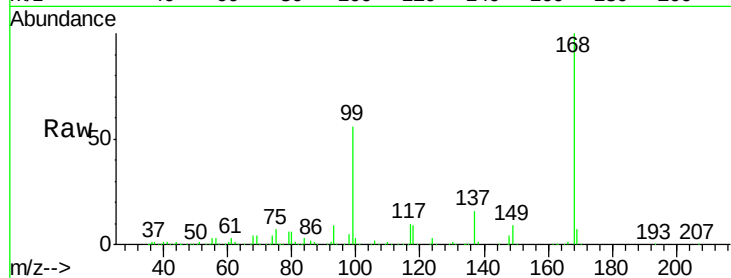
JC-03-030119-B

Tot Ion:168 Resp: 304583

Ion Ratio Lower Upper

168 100

99 55.8 42.2 63.2



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW

7.95

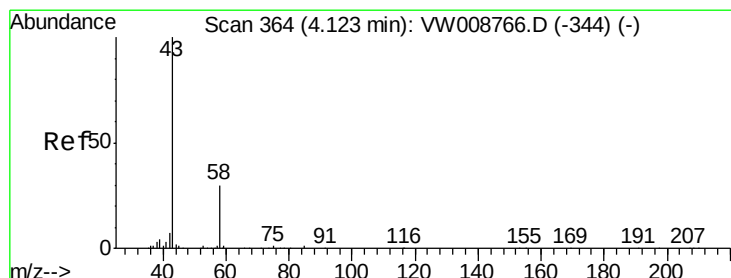
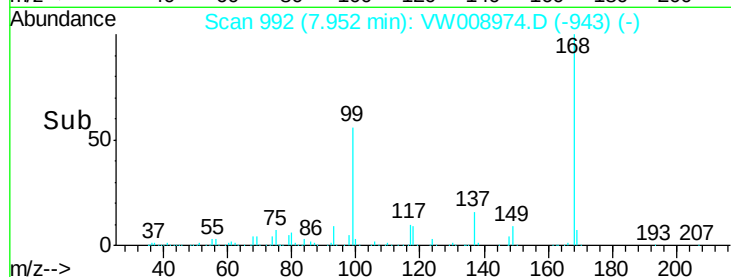
150000

100000

50000

0

Time--> 7.80 7.90 8.00 8.10



#16

Acetone

Concen: 48.488 ug/l

RT: 4.12 min Scan# 364

Delta R.T. 0.00 min

Lab File: VW008974.D

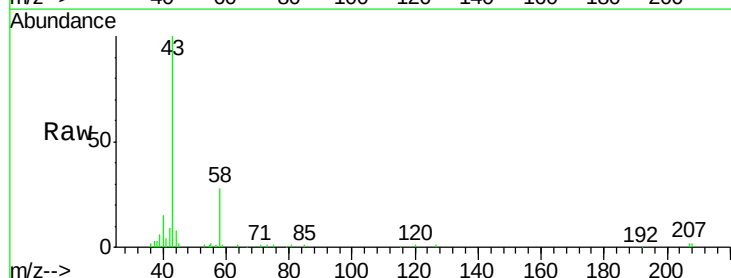
Acq: 04 Mar 2019 21:56

Tgt Ion: 43 Resp: 32107

Ion Ratio Lower Upper

43 100

58 27.5 23.8 35.6



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW

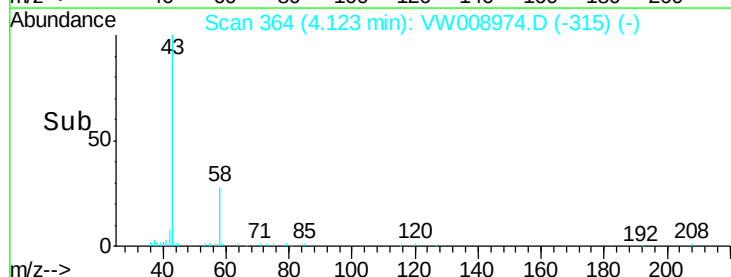
4.12

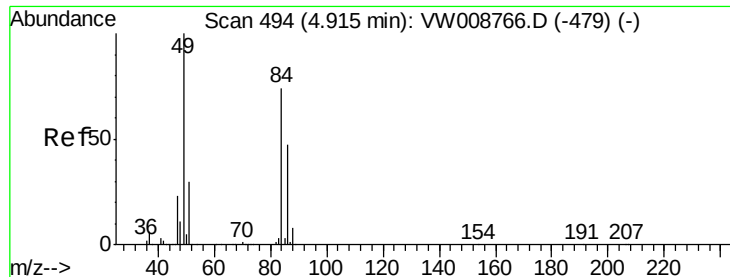
10000

5000

0

Time--> 4.00 4.10 4.20

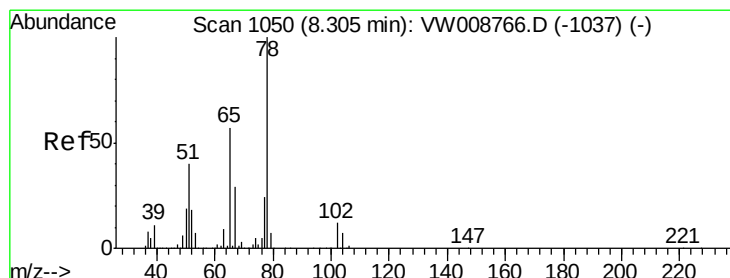
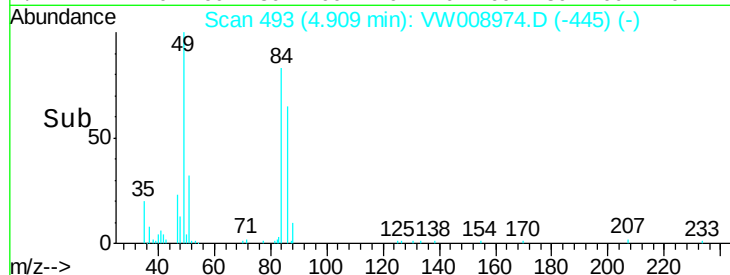
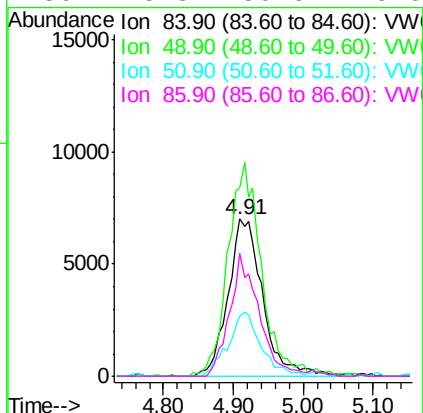
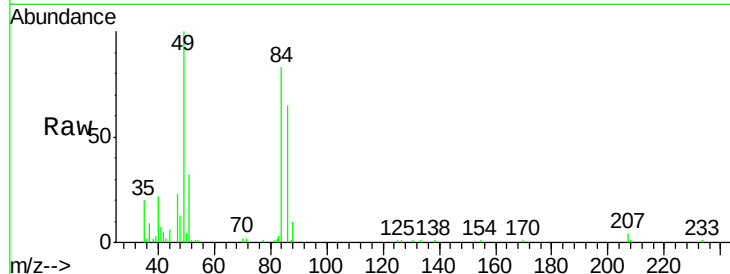




#20
Methylene Chloride
Concen: 2.539 ug/l
RT: 4.91 min Scan# 493
Delta R.T. -0.01 min
Lab File: VW008974.D
Acq: 04 Mar 2019 21:56

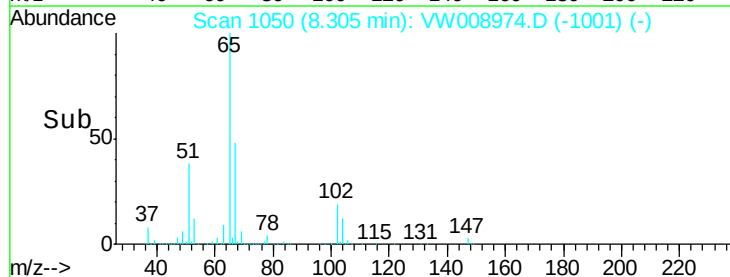
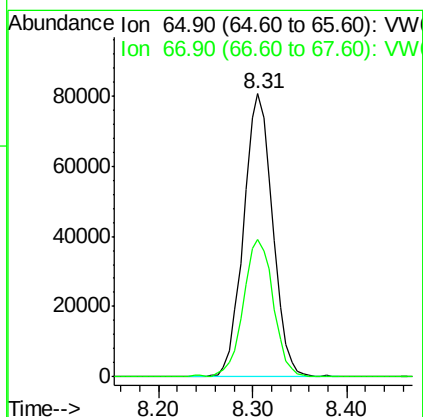
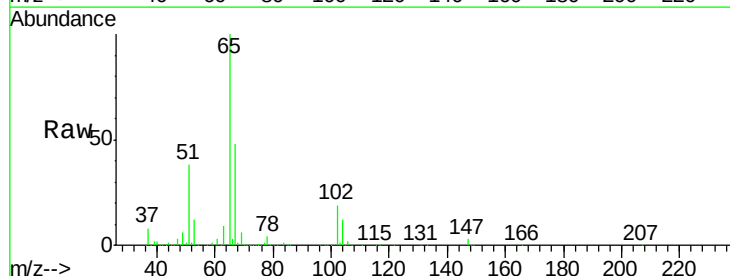
Instrument :
MSVOA_W
ClientSampleId :
JC-03-030119-B

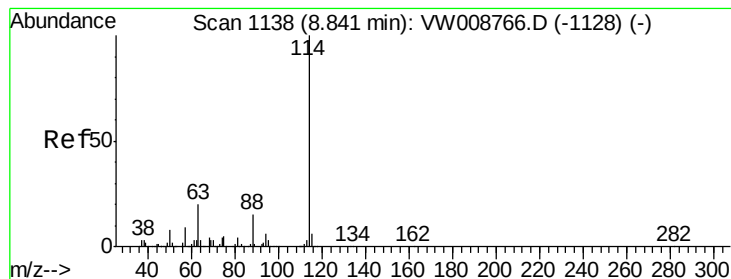
Tot Ion: 84 Resp: 24101
Ion Ratio Lower Upper
84 100
49 119.9 108.2 162.2
51 37.9 32.7 49.1
86 78.3 50.3 75.5#



#33
1,2-Dichloroethane-d4
Concen: 61.031 ug/l
RT: 8.31 min Scan# 1050
Delta R.T. 0.00 min
Lab File: VW008974.D
Acq: 04 Mar 2019 21:56

Tgt Ion: 65 Resp: 174347
Ion Ratio Lower Upper
65 100
67 50.0 0.0 101.4





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.84 min Scan# 1138

Delta R.T. 0.00 min

Lab File: VW008974.D

Acq: 04 Mar 2019 21:56

Instrument :

MSVOA_W

ClientSampleId :

JC-03-030119-B

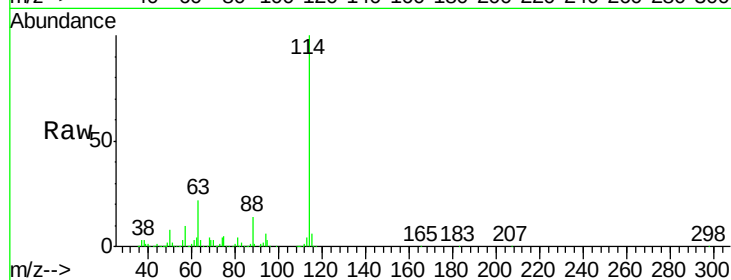
Tot Ion:114 Resp: 480452

Ion Ratio Lower Upper

114 100

63 21.8 0.0 40.8

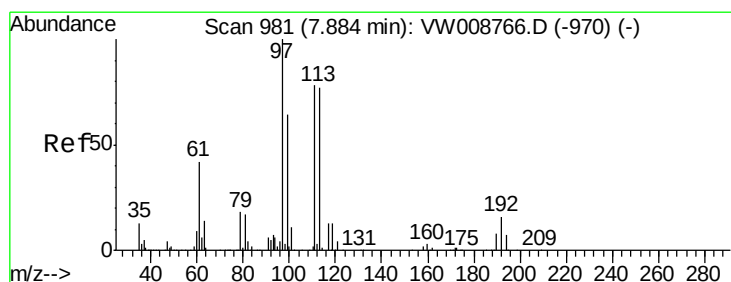
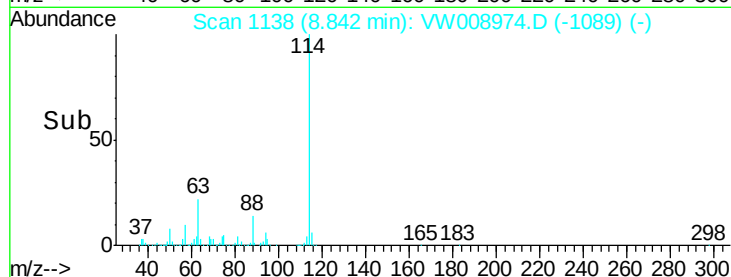
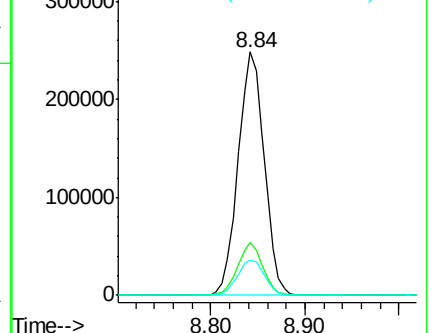
88 14.4 0.0 30.4



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: 50.471 ug/l

RT: 7.88 min Scan# 981

Delta R.T. 0.00 min

Lab File: VW008974.D

Acq: 04 Mar 2019 21:56

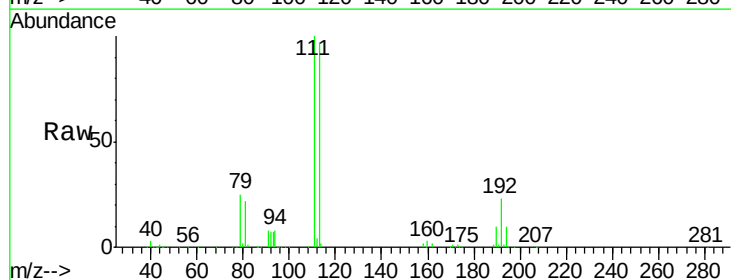
Tgt Ion:113 Resp: 145594

Ion Ratio Lower Upper

113 100

111 103.1 81.9 122.9

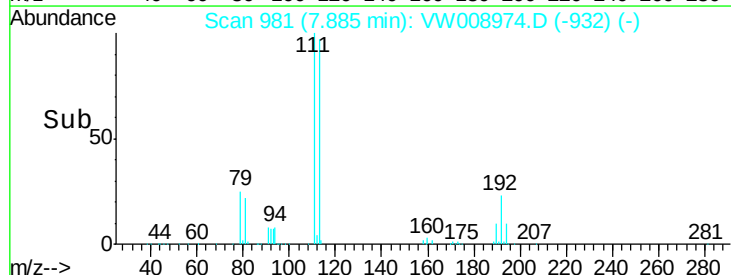
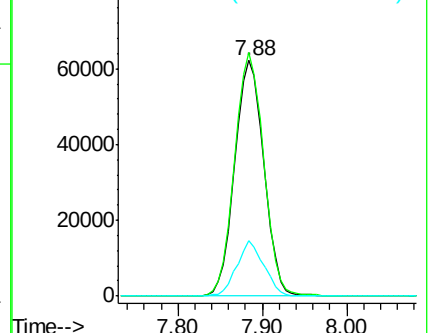
192 21.6 17.1 25.7

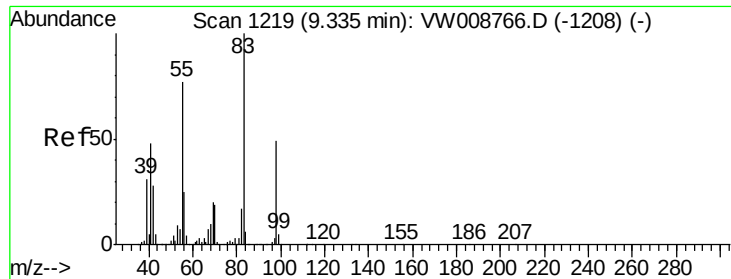


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V

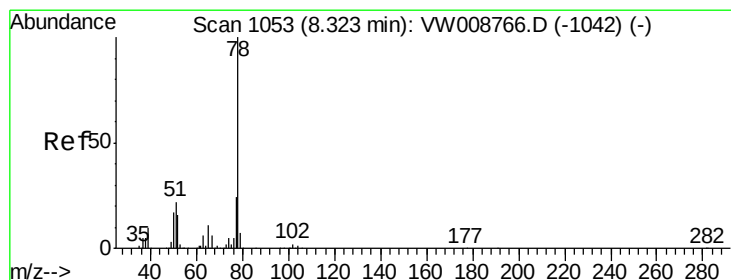
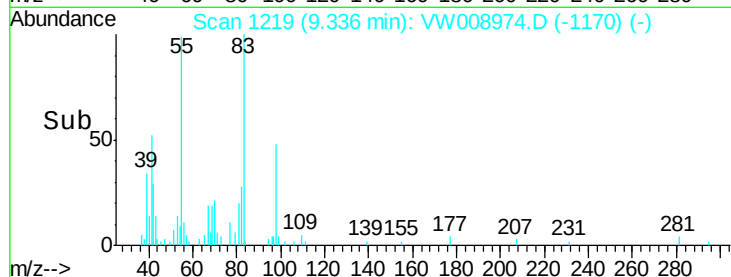
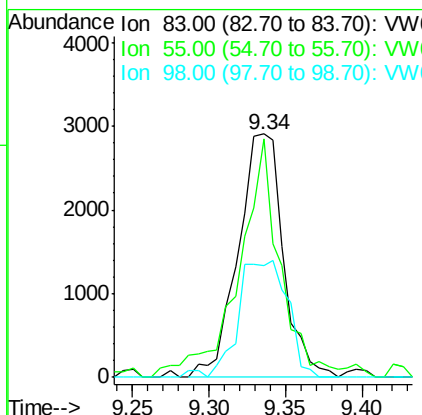
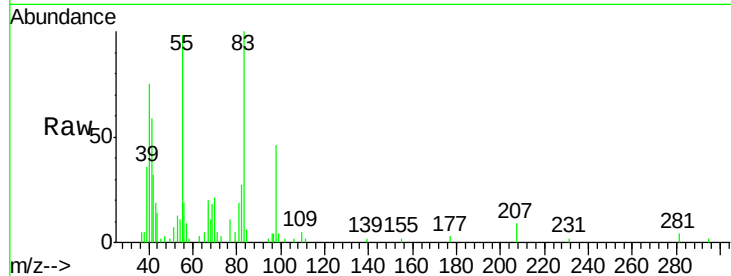




#39
Methylvlcyclohexane
Concen: 1.023 ug/l
RT: 9.34 min Scan# 1219
Delta R.T. 0.00 min
Lab File: VW008974.D
Acq: 04 Mar 2019 21:56

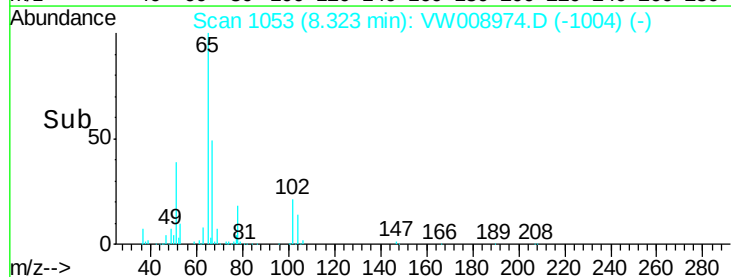
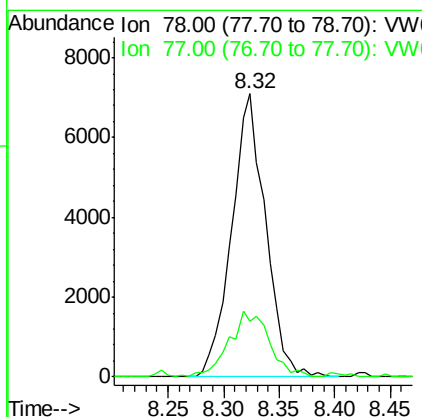
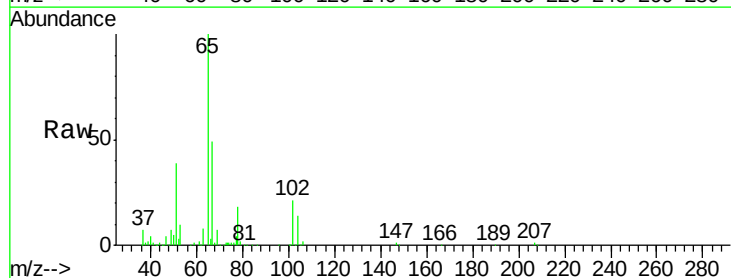
Instrument :
MSVOA_W
ClientSampleId :
JC-03-030119-B

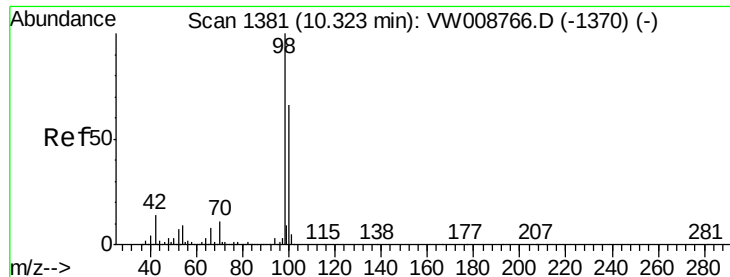
Tot Ion: 83 Resp: 5970
Ion Ratio Lower Upper
83 100
55 94.4 61.2 91.8#
98 46.0 39.4 59.2



#40
Benzene
Concen: 1.172 ug/l
RT: 8.32 min Scan# 1053
Delta R.T. 0.00 min
Lab File: VW008974.D
Acq: 04 Mar 2019 21:56

Tgt Ion: 78 Resp: 14972
Ion Ratio Lower Upper
78 100
77 19.5 19.3 28.9





#50

Toluene-d8

Concen: 49.817 ug/l

RT: 10.32 min Scan# 1381

Delta R.T. 0.00 min

Lab File: VW008974.D

Acq: 04 Mar 2019 21:56

Instrument :

MSVOA_W

ClientSampleId :

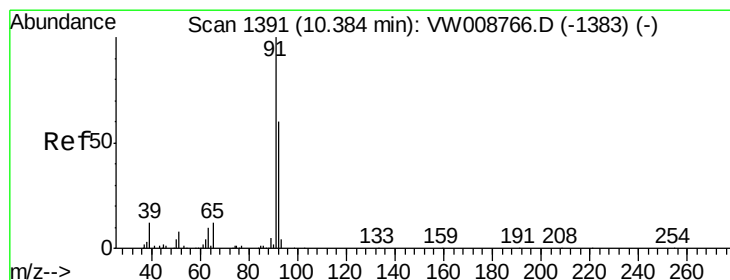
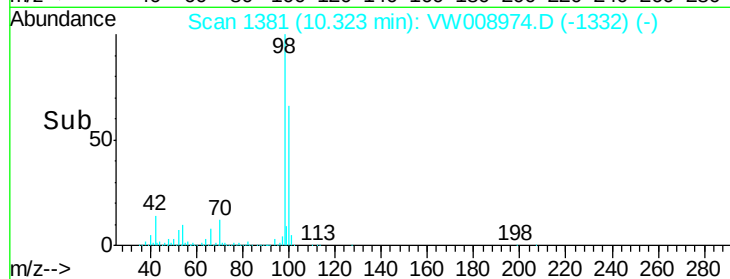
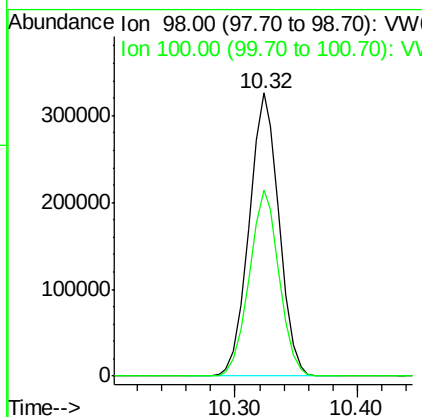
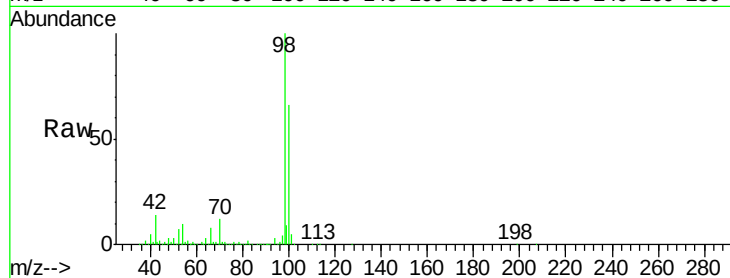
JC-03-030119-B

Tot Ion: 98 Resp: 554749

Ion Ratio Lower Upper

98 100

100 65.6 52.4 78.6



#52

Toluene

Concen: 4.294 ug/l

RT: 10.39 min Scan# 1392

Delta R.T. 0.01 min

Lab File: VW008974.D

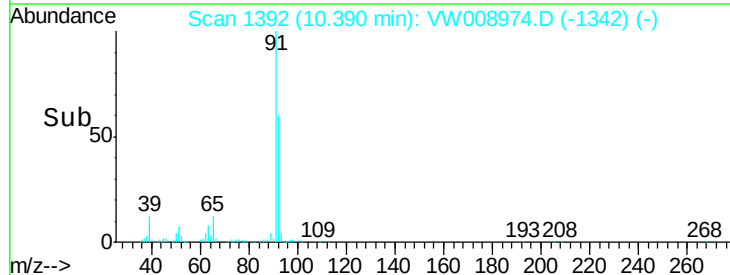
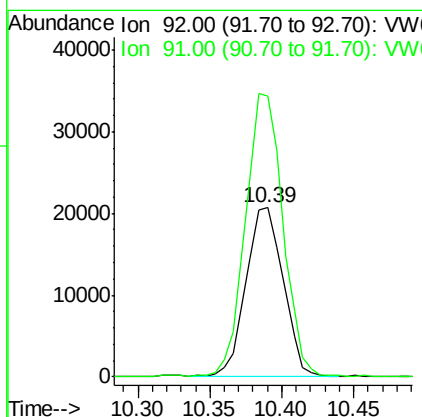
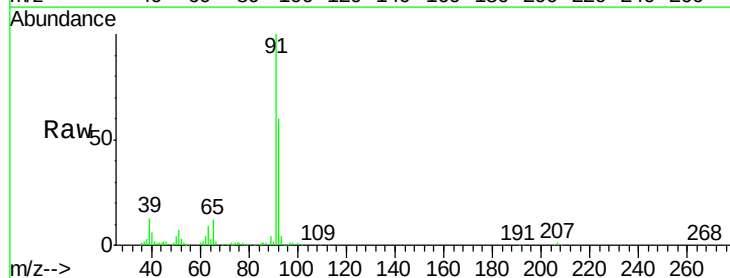
Acq: 04 Mar 2019 21:56

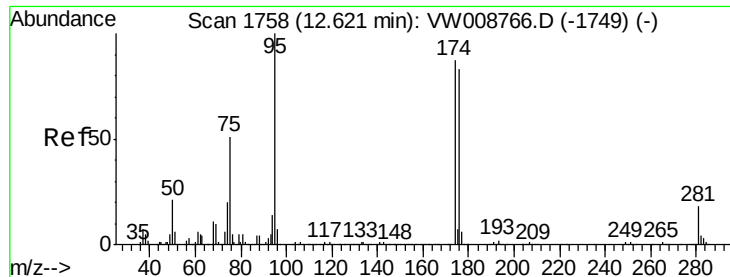
Tgt Ion: 92 Resp: 37212

Ion Ratio Lower Upper

92 100

91 166.5 136.9 205.3

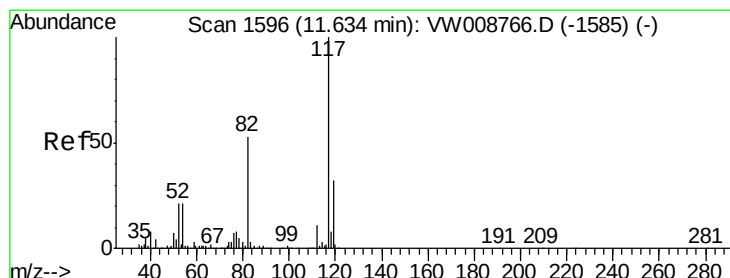
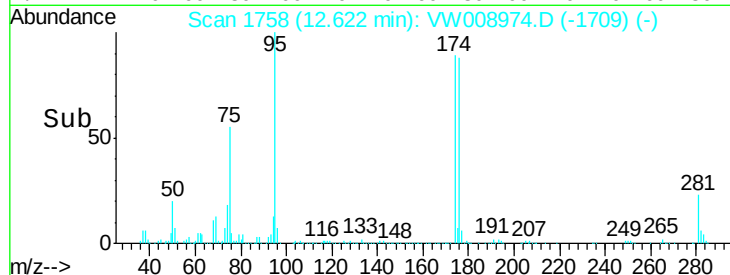
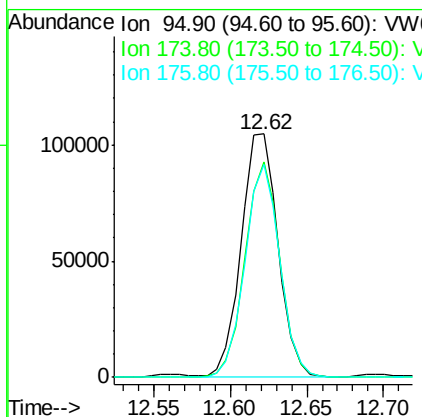
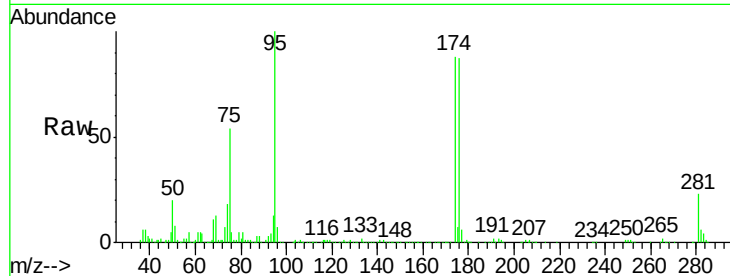




#62
4-Bromofluorobenzene
Concen: 40.003 ug/l
RT: 12.62 min Scan# 1758
Delta R.T. 0.00 min
Lab File: VW008974.D
Acq: 04 Mar 2019 21:56

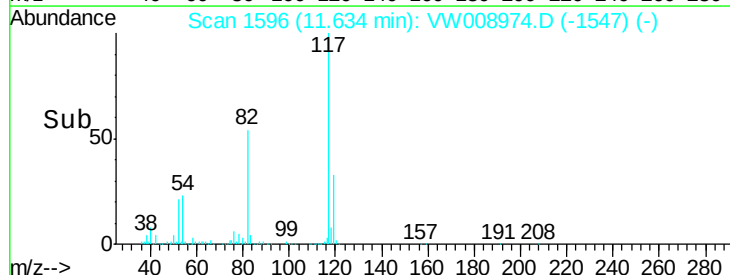
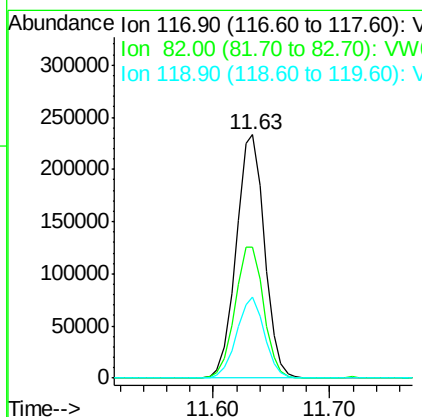
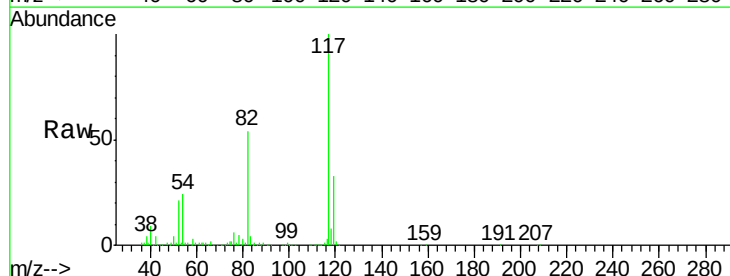
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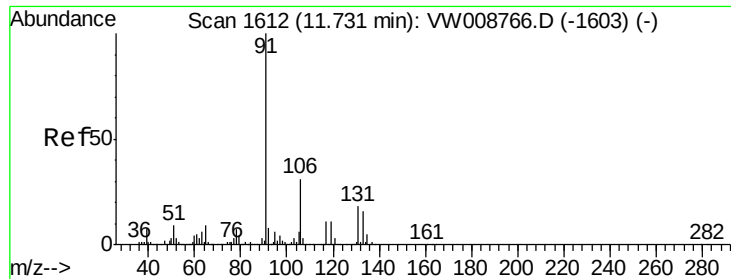
Tot Ion: 95 Resp: 174416
Ion Ratio Lower Upper
95 100
174 83.9 0.0 169.2
176 83.1 0.0 163.6



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1596
Delta R.T. 0.00 min
Lab File: VW008974.D
Acq: 04 Mar 2019 21:56

Tgt Ion: 117 Resp: 395087
Ion Ratio Lower Upper
117 100
82 53.5 42.2 63.4
119 33.3 25.9 38.9

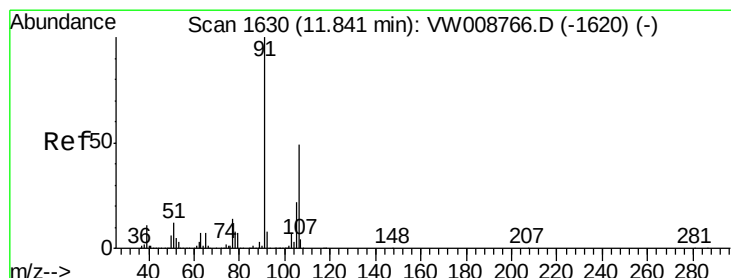
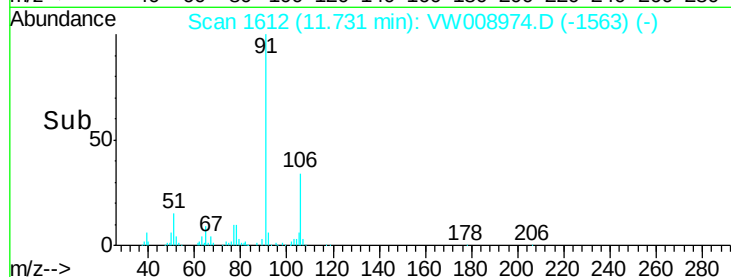
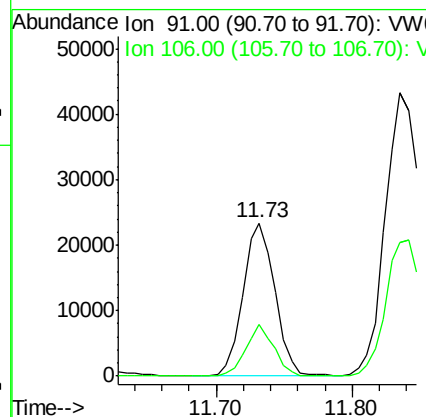
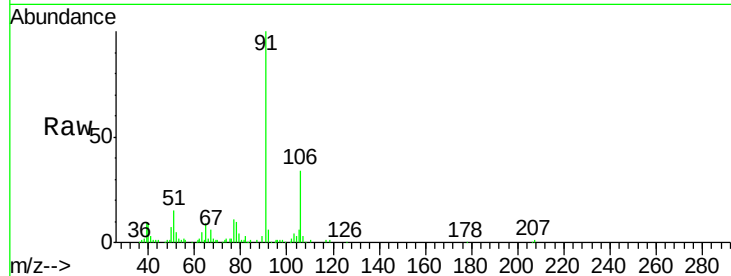




#67
Ethyl Benzene
Concen: 2.577 ug/l
RT: 11.73 min Scan# 1612
Delta R.T. 0.00 min
Lab File: VW008974.D
Acq: 04 Mar 2019 21:56

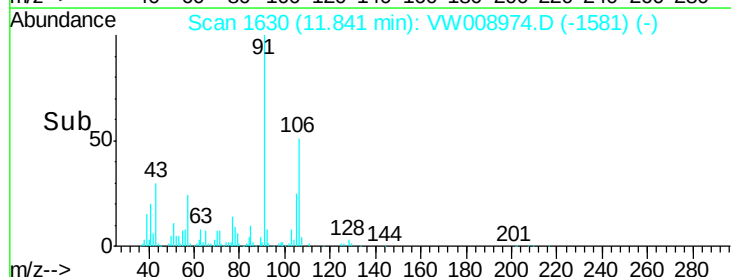
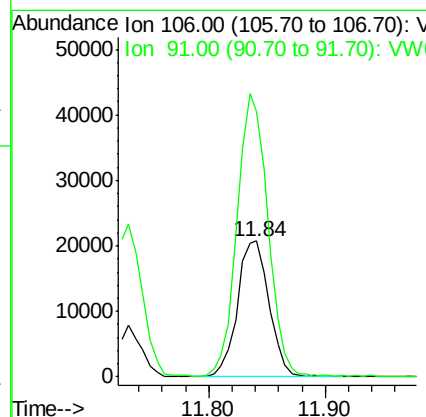
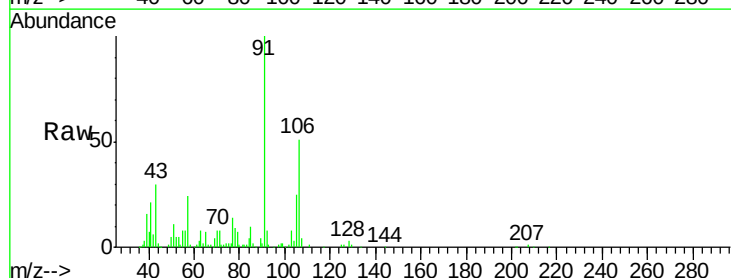
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MSVOA_W
ClientSampleId :
JC-03-030119-B

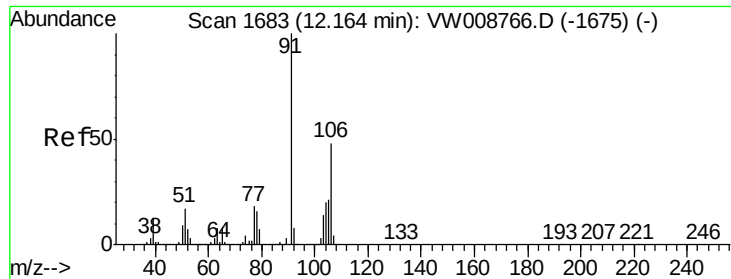
Tot Ion: 91 Resp: 38274
Ion Ratio Lower Upper
91 100
106 33.8 25.0 37.6



#68
m/p-Xylenes
Concen: 6.637 ug/l
RT: 11.84 min Scan# 1630
Delta R.T. 0.00 min
Lab File: VW008974.D
Acq: 04 Mar 2019 21:56

Tgt Ion: 106 Resp: 39385
Ion Ratio Lower Upper
106 100
91 201.5 161.5 242.3

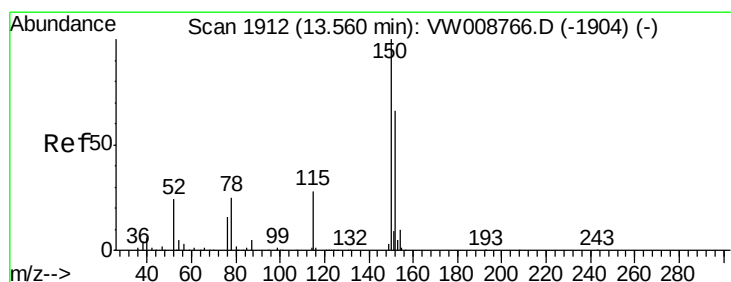
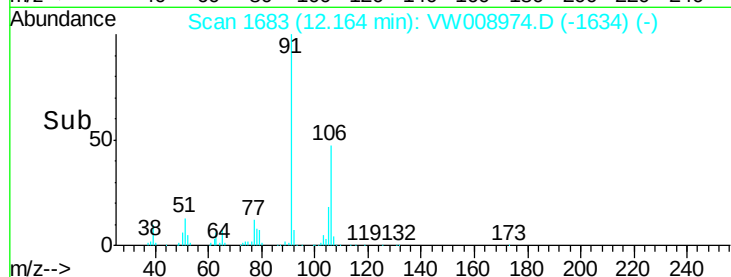
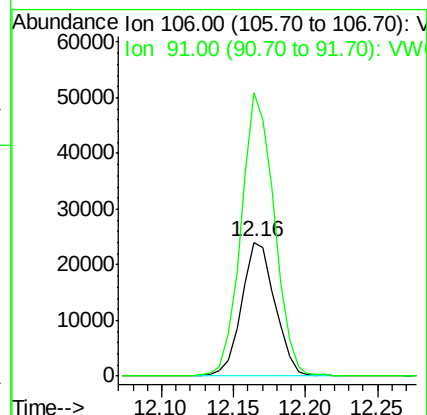
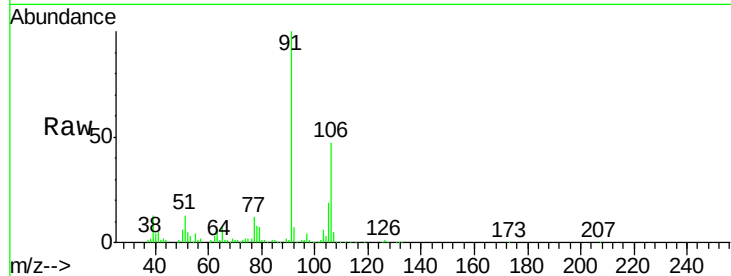




#69
o-Xylene
Concen: 6.944 ug/l
RT: 12.16 min Scan# 1683
Delta R.T. 0.00 min
Lab File: VW008974.D
Acq: 04 Mar 2019 21:56

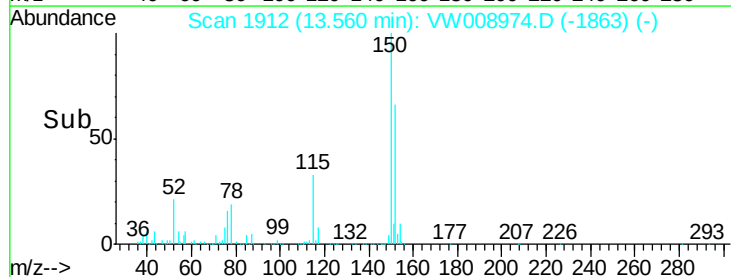
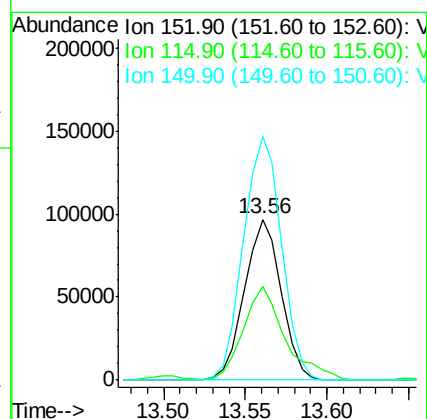
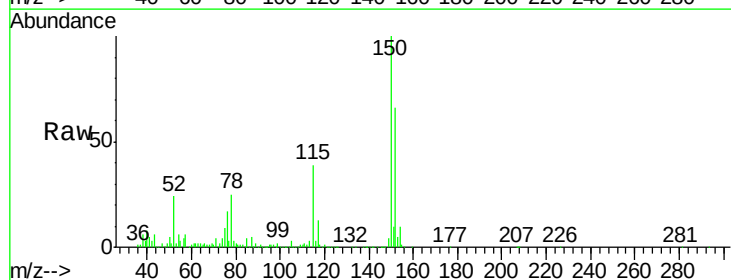
Instrument :
MSVOA_W
ClientSampleId :
JC-03-030119-B

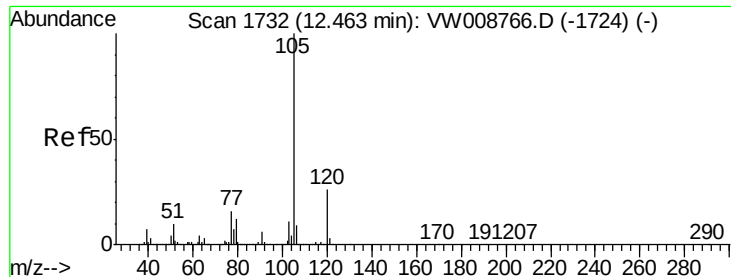
Tot Ion:106 Resp: 38676
Ion Ratio Lower Upper
106 100
91 210.4 106.2 318.6



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.56 min Scan# 1912
Delta R.T. 0.00 min
Lab File: VW008974.D
Acq: 04 Mar 2019 21:56

Tgt Ion:152 Resp: 152157
Ion Ratio Lower Upper
152 100
115 65.6 28.6 85.8
150 157.3 0.0 348.0





#73

Isopropylbenzene

Concen: 1.970 ug/l

RT: 12.47 min Scan# 1733

Delta R.T. 0.01 min

Lab File: VW008974.D

Acq: 04 Mar 2019 21:56

Instrument :

MSVOA_W

ClientSampleId :

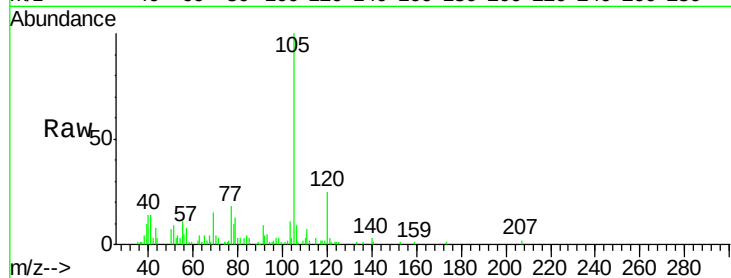
JC-03-030119-B

Tot Ion:105 Resp: 20545

Ion Ratio Lower Upper

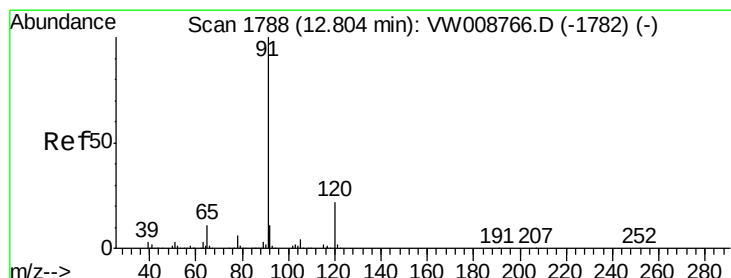
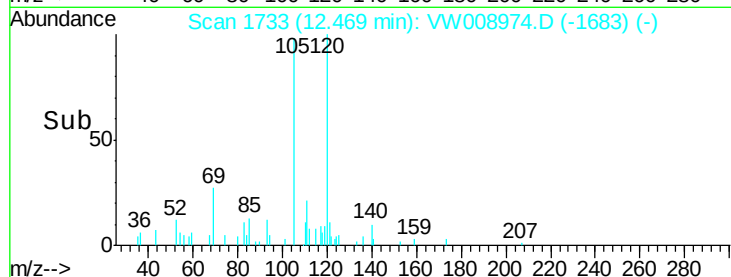
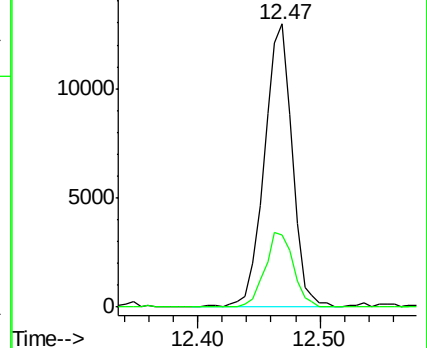
105 100

120 26.9 13.3 39.9



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#78

n-propylbenzene

Concen: 4.967 ug/l

RT: 12.80 min Scan# 1788

Delta R.T. 0.00 min

Lab File: VW008974.D

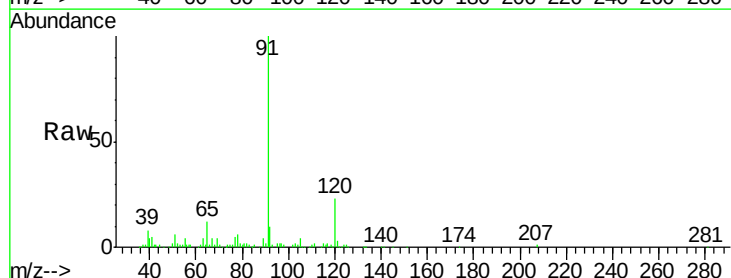
Acq: 04 Mar 2019 21:56

Tgt Ion: 91 Resp: 63379

Ion Ratio Lower Upper

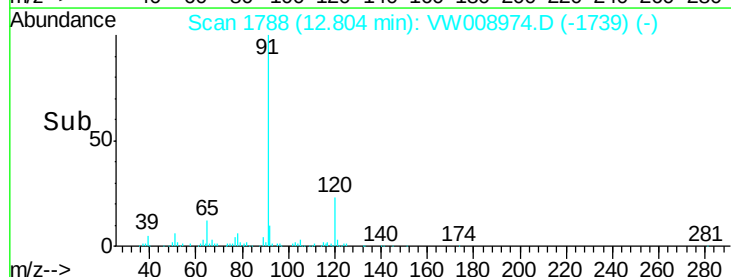
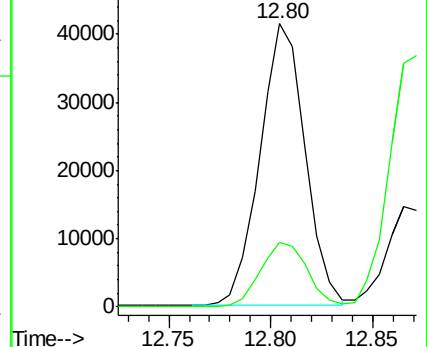
91 100

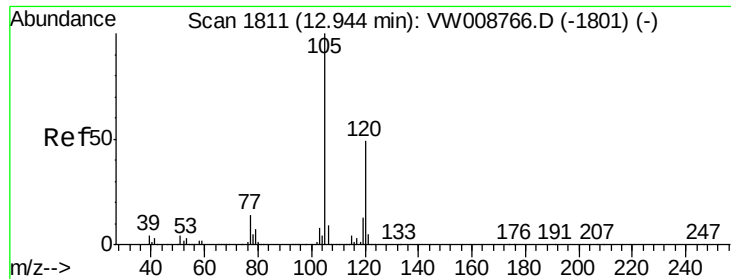
120 24.1 11.5 34.4



Abundance Ion 91.00 (90.70 to 91.70): VW

Ion 120.00 (119.70 to 120.70): V

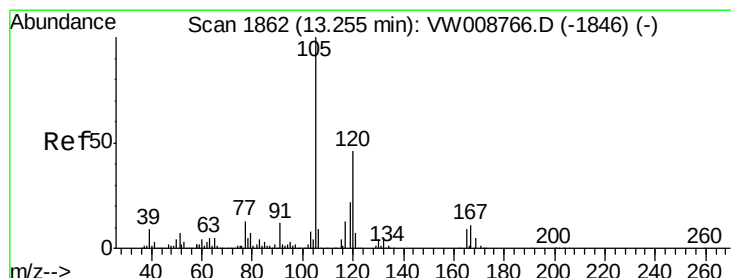
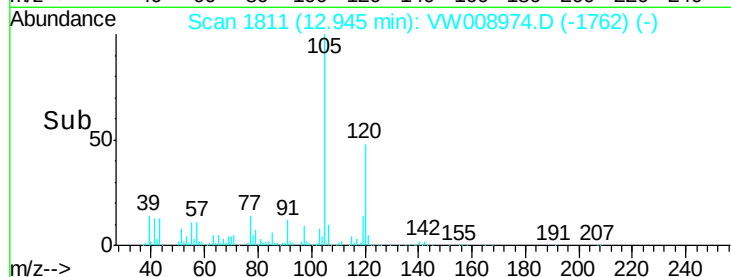
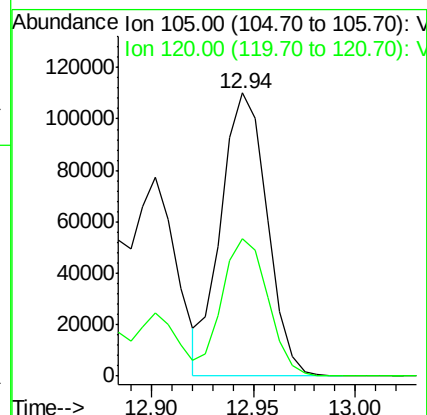
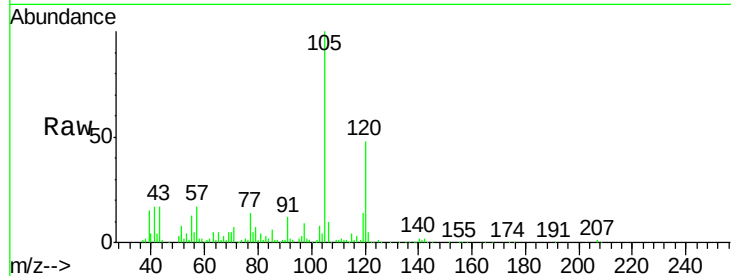




#80
 1,3,5-Trimethylbenzene
 Concen: 18.965 ug/l
 RT: 12.94 min Scan# 1811
 Delta R.T. 0.00 min
 Lab File: VW008974.D
 Acq: 04 Mar 2019 21:56

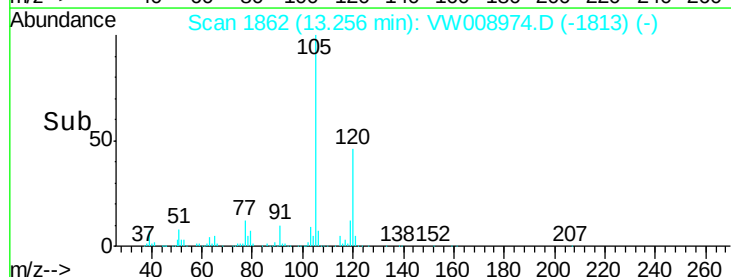
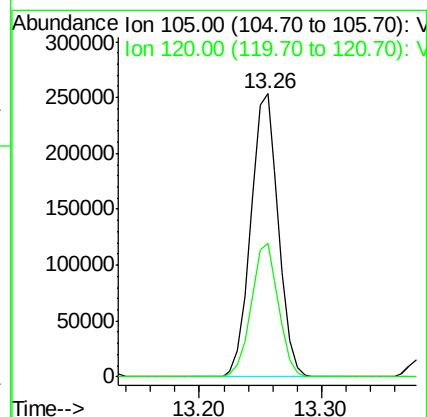
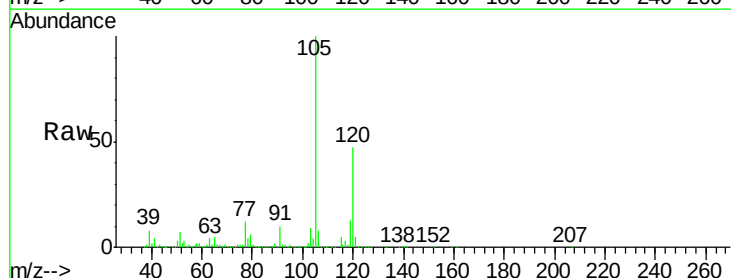
Instrument :
 MSVOA_W
 ClientSampleId :
 JC-03-030119-B

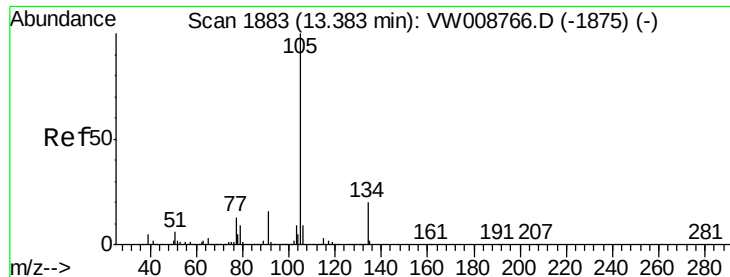
Tot Ion:105 Resp: 171909
 Ion Ratio Lower Upper
 105 100
 120 48.8 24.8 74.4



#84
 1,2,4-Trimethylbenzene
 Concen: 42.241 ug/l
 RT: 13.26 min Scan# 1862
 Delta R.T. 0.00 min
 Lab File: VW008974.D
 Acq: 04 Mar 2019 21:56

Tgt Ion:105 Resp: 396368
 Ion Ratio Lower Upper
 105 100
 120 47.0 22.8 68.4





#85

sec-Butylbenzene

Concen: 3.109 ug/l

RT: 13.38 min Scan# 1883

Delta R.T. 0.00 min

Lab File: VW008974.D

Acq: 04 Mar 2019 21:56

Instrument :

MSVOA_W

ClientSampleId :

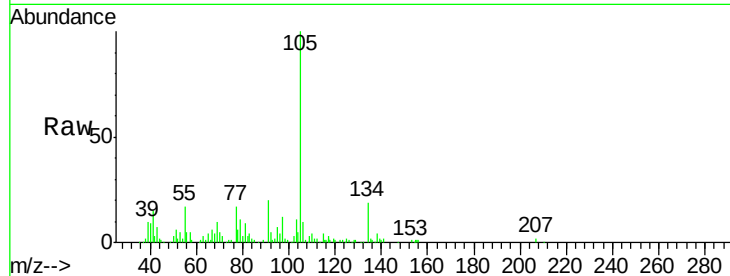
JC-03-030119-B

Tot Ion:105 Resp: 35037

Ion Ratio Lower Upper

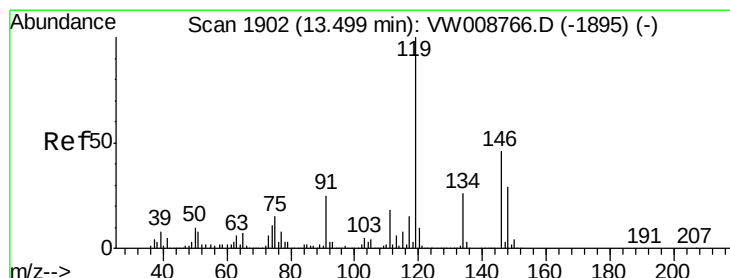
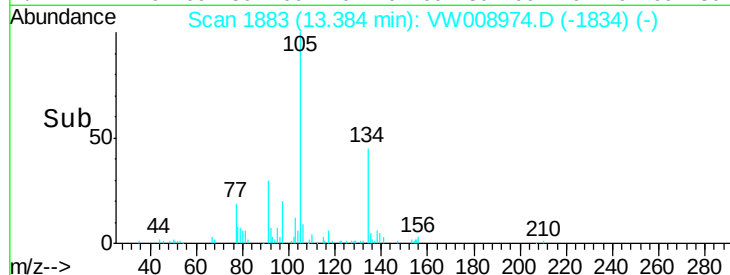
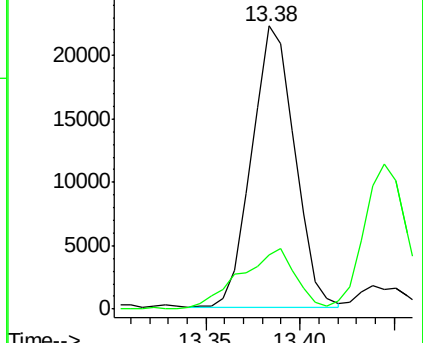
105 100

134 28.1 10.4 31.1



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 3.708 ug/l

RT: 13.50 min Scan# 1902

Delta R.T. 0.00 min

Lab File: VW008974.D

Acq: 04 Mar 2019 21:56

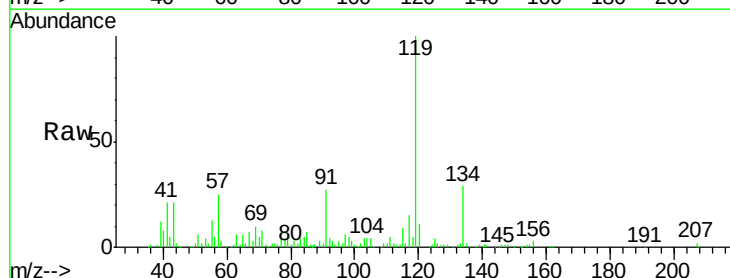
Tgt Ion:119 Resp: 38313

Ion Ratio Lower Upper

119 100

134 27.9 13.1 39.3

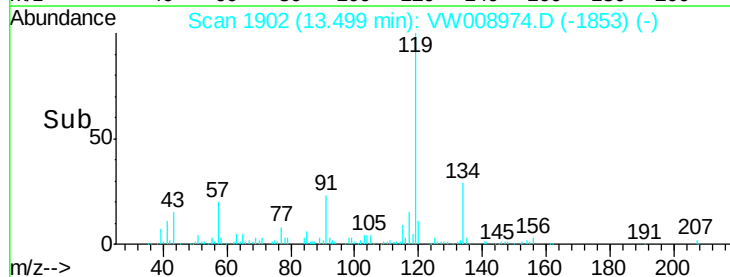
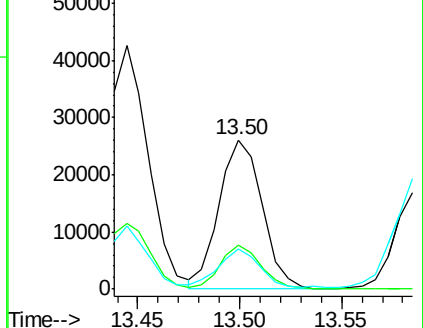
91 25.3 12.1 36.3

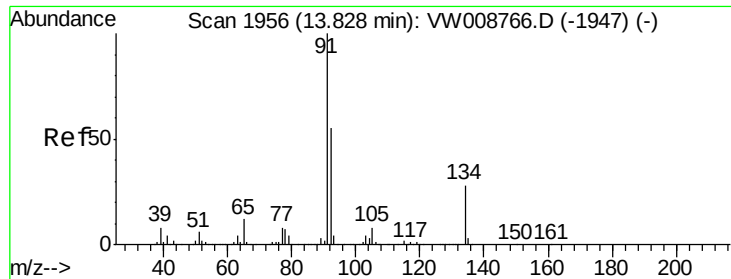


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V





#89

n-Butylbenzene

Concen: 5.699 ug/l

RT: 13.83 min Scan# 1956

Delta R.T. 0.00 min

Lab File: VW008974.D

Acq: 04 Mar 2019 21:56

Instrument :

MSVOA_W

ClientSampleId :

JC-03-030119-B

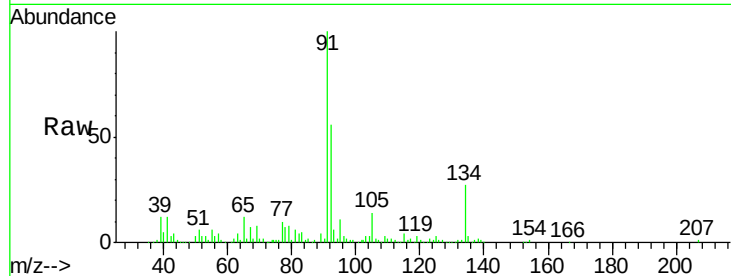
Tot Ion: 91 Resp: 55159

Ion Ratio Lower Upper

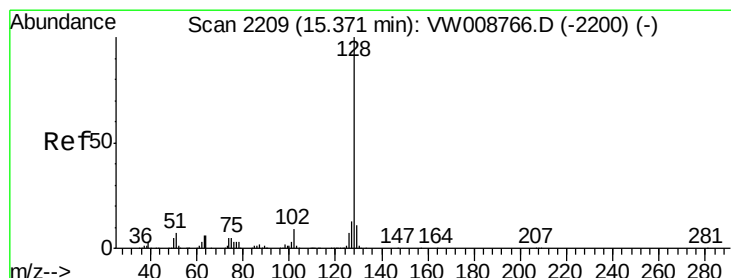
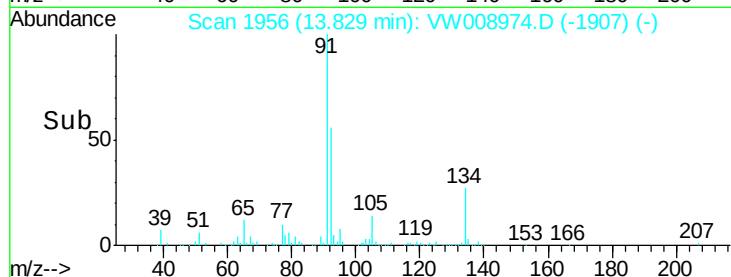
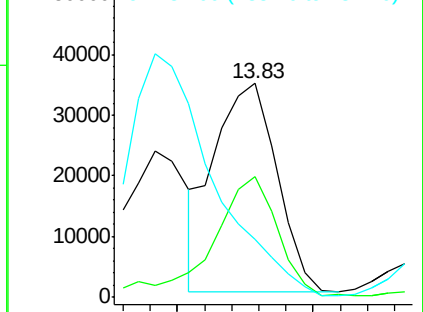
91 100

92 56.8 26.8 80.4

134 0.0 13.5 40.4#



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: 12.010 ug/l

RT: 15.37 min Scan# 2209

Delta R.T. 0.00 min

Lab File: VW008974.D

Acq: 04 Mar 2019 21:56

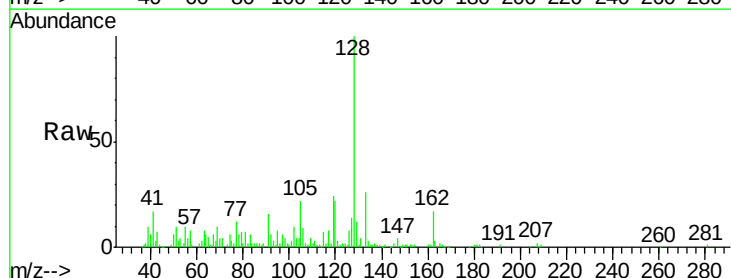
Tgt Ion: 128 Resp: 67140

Ion Ratio Lower Upper

128 100

127 15.9 10.8 16.2

129 16.5 8.7 13.1#



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

