

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW030519\
 Data File : VW009007.D
 Acq On : 05 Mar 2019 19:57
 Operator : SY/VA
 Sample : K1688-15
 Misc : 6.62G/5ML/MSVOA W/SOIL
 ALS Vial : 21 Sample Multiplier: 1

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

Quant Time: Mar 06 08:01:30 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	317667	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	499958	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	425481	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	162781	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.31	65	178943	60.06	ug/l	0.00
Spiked Amount	50.000		Recovery	=	120.12%	
35) Dibromofluoromethane	7.88	113	147809	49.24	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.48%	
50) Toluene-d8	10.32	98	583358	50.34	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.68%	
62) 4-Bromofluorobenzene	12.62	95	182817	40.29	ug/l	0.00
Spiked Amount	50.000		Recovery	=	80.58%	

Target Compounds

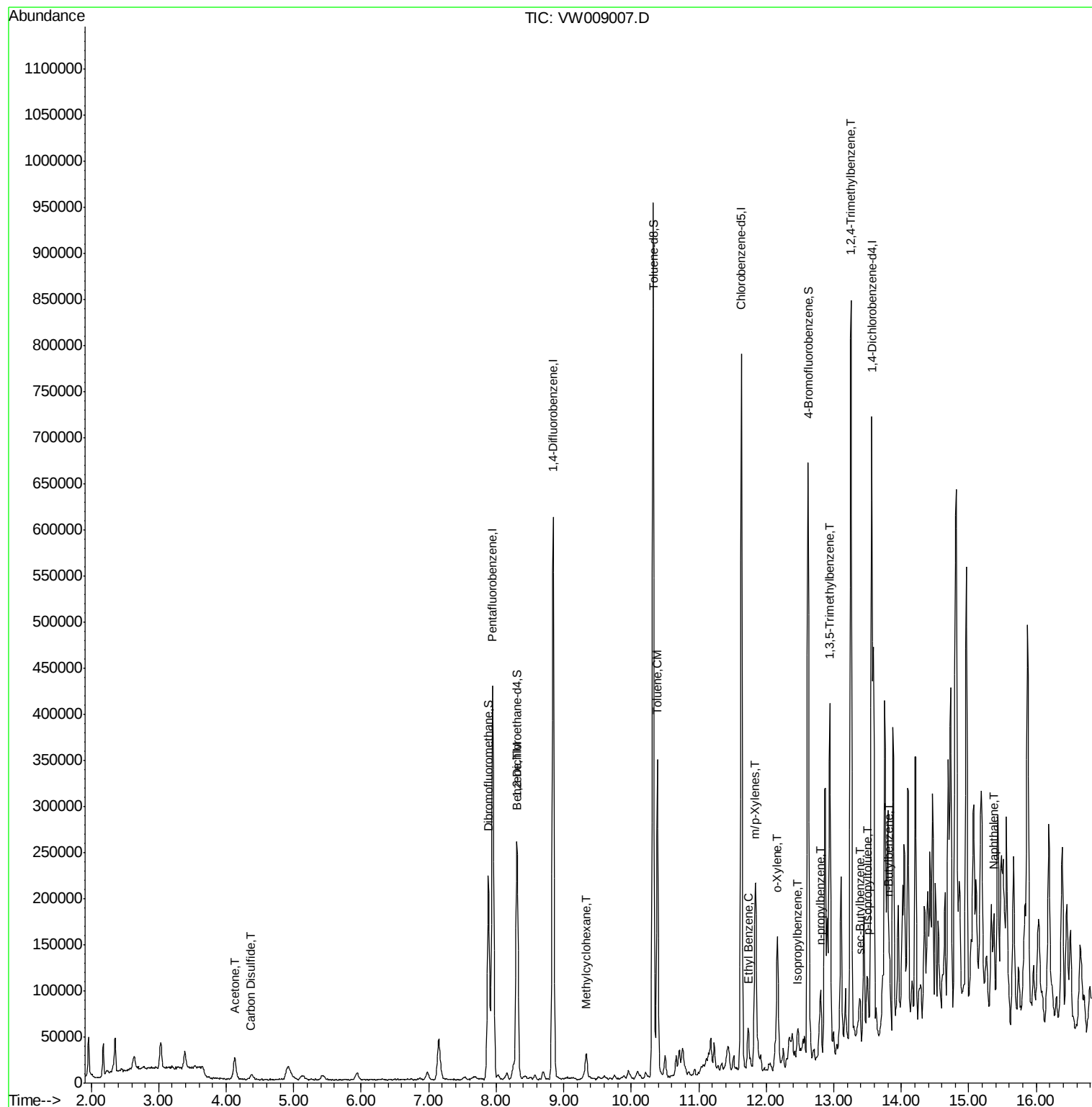
						Qvalue
16) Acetone	4.13	43	41465	60.041	ug/l	93
17) Carbon Disulfide	4.37	76	9269	1.004	ug/l	97
39) Methylcyclohexane	9.34	83	10353	1.705	ug/l	97
40) Benzene	8.32	78	31226	2.350	ug/l	100
52) Toluene	10.39	92	144047	15.973	ug/l	99
67) Ethyl Benzene	11.73	91	27947	1.747	ug/l	93
68) m/p-Xylenes	11.84	106	48202	7.543	ug/l	98
69) o-Xylene	12.17	106	35688	5.950	ug/l	96
73) Isopropylbenzene	12.46	105	19016	1.704	ug/l	100
78) n-propylbenzene	12.80	91	54525	3.994	ug/l	99
80) 1,3,5-Trimethylbenzene	12.94	105	127982	13.197	ug/l	98
84) 1,2,4-Trimethylbenzene	13.26	105	426621	42.498	ug/l	98
85) sec-Butylbenzene	13.39	105	29196	2.421	ug/l	79
86) p-Isopropyltoluene	13.51	119	28071	2.540	ug/l	100
89) n-Butylbenzene	13.82	91	43843	4.234	ug/l #	79
95) Naphthalene	15.37	128	63893	10.684	ug/l #	95

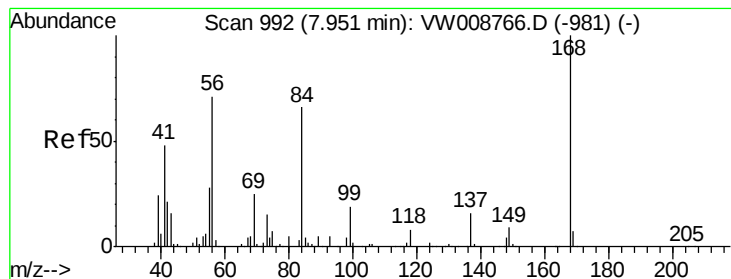
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
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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: VW009007.D

Acq: 05 Mar 2019 19:57

Instrument :

MSVOA_W

ClientSampleId :

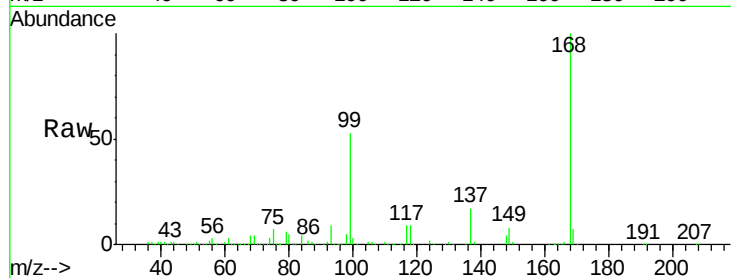
JC-03-030119-H

Tot Ion:168 Resp: 317667

Ion Ratio Lower Upper

168 100

99 53.1 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

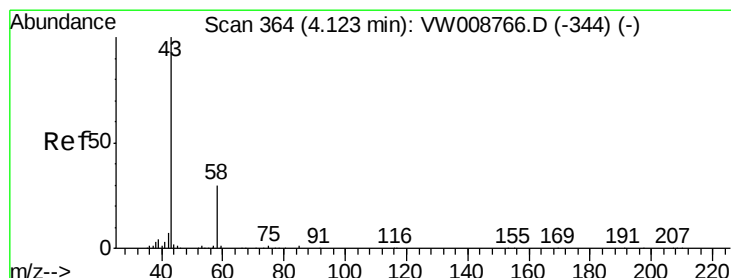
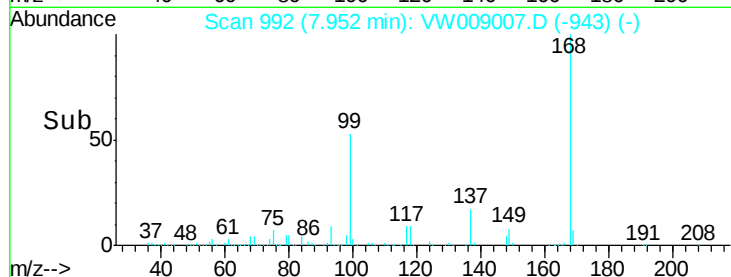
100000

50000

0

7.90 8.00

Time-->



#16

Acetone

Concen: 60.041 ug/l

RT: 4.13 min Scan# 365

Delta R.T. 0.01 min

Lab File: VW009007.D

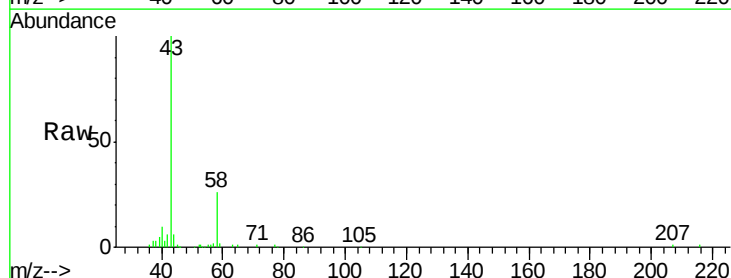
Acq: 05 Mar 2019 19:57

Tgt Ion: 43 Resp: 41465

Ion Ratio Lower Upper

43 100

58 26.1 23.8 35.6



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW

4.13

15000

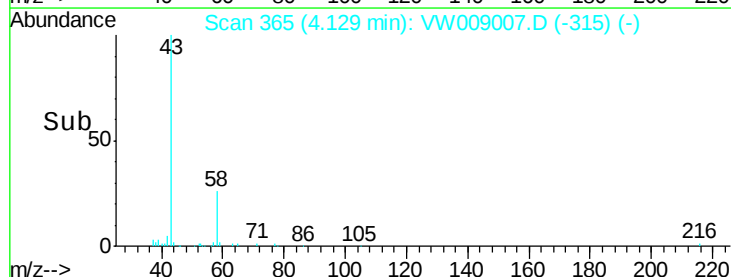
10000

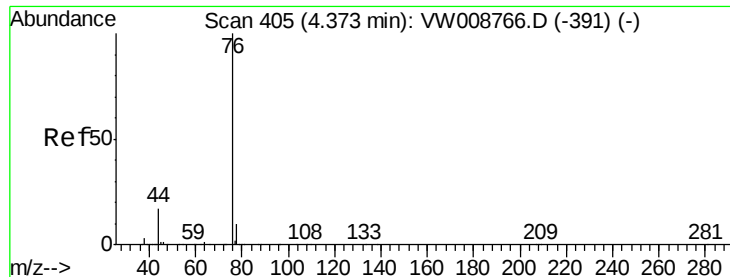
5000

0

4.00 4.10 4.20

Time-->





#17

Carbon Disulfide

Concen: 1.004 ug/l

RT: 4.37 min Scan# 405

Delta R.T. 0.00 min

Lab File: VW009007.D

Acq: 05 Mar 2019 19:57

Instrument :

MSVOA_W

ClientSampleId :

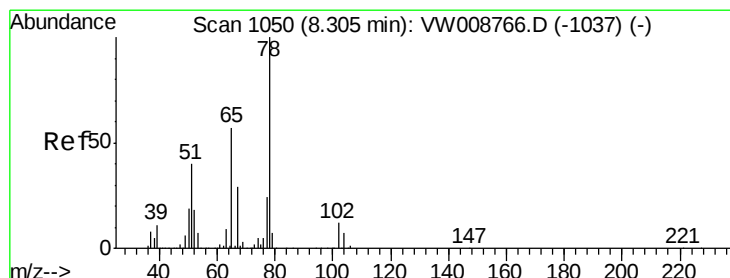
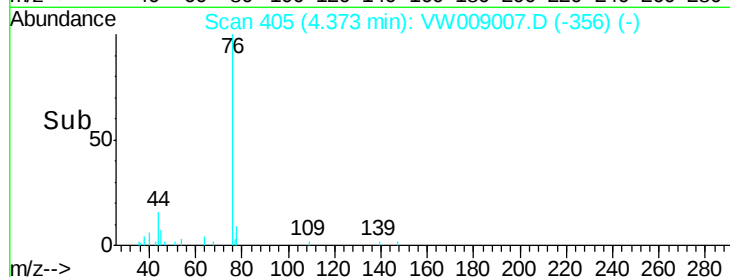
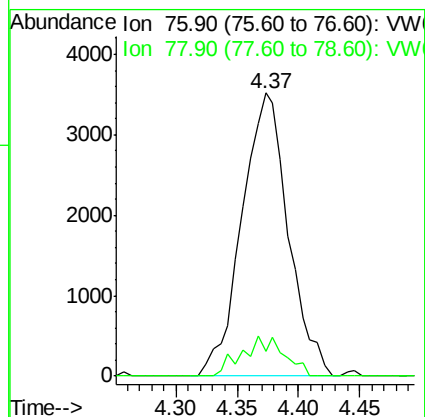
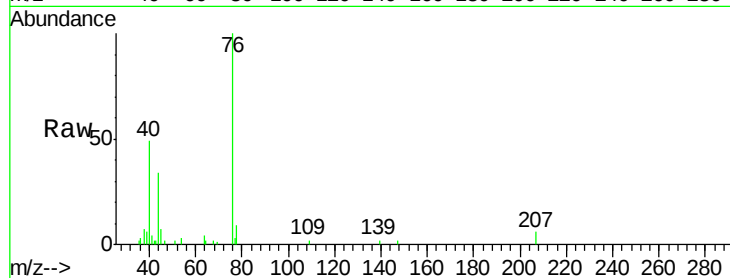
JC-03-030119-H

Tot Ion: 76 Resp: 9269

Ion Ratio Lower Upper

76 100

78 8.6 7.8 11.8



#33

1,2-Dichloroethane-d4

Concen: 60.059 ug/l

RT: 8.31 min Scan# 1050

Delta R.T. 0.00 min

Lab File: VW009007.D

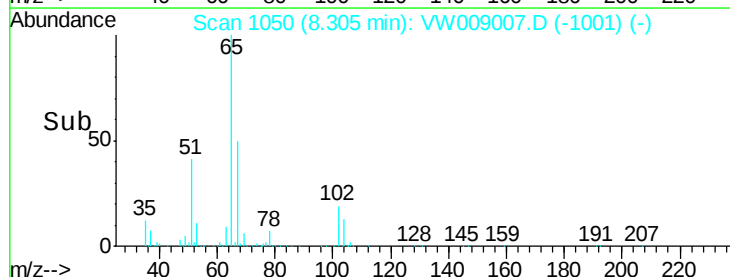
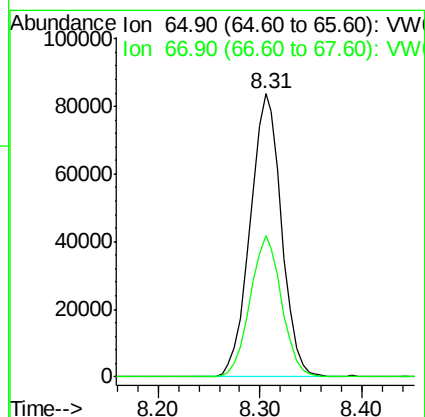
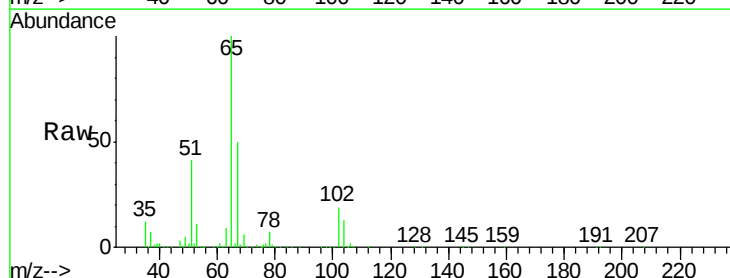
Acq: 05 Mar 2019 19:57

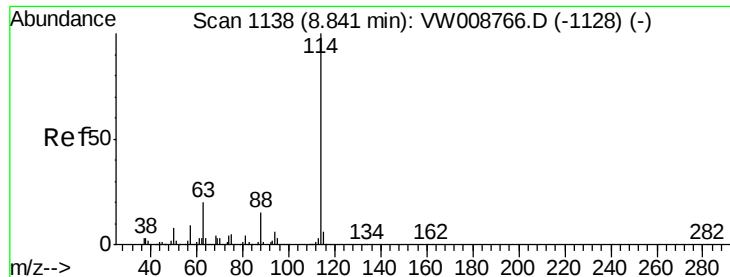
Tgt Ion: 65 Resp: 178943

Ion Ratio Lower Upper

65 100

67 50.1 0.0 101.4

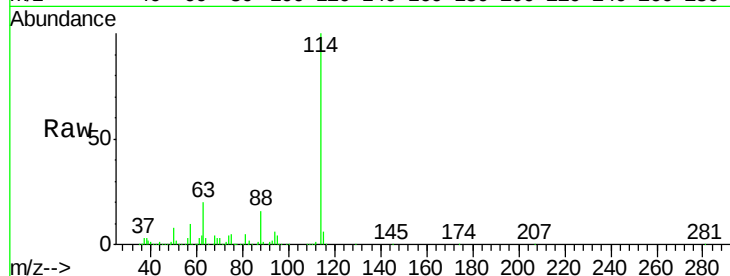




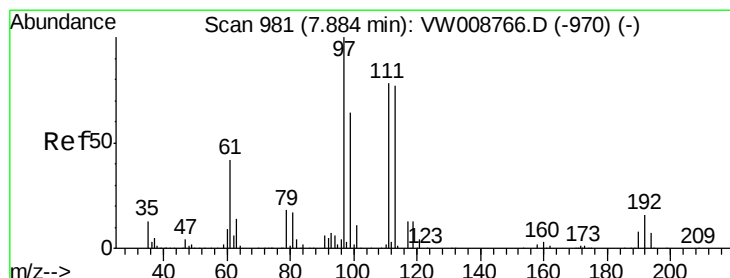
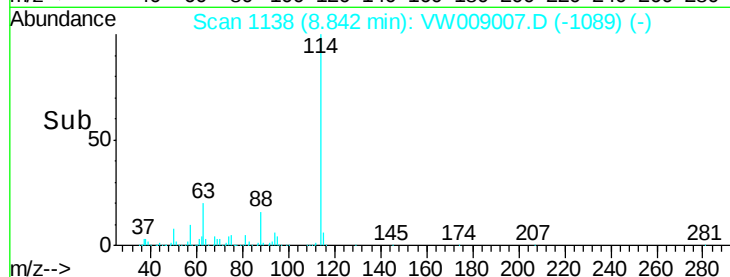
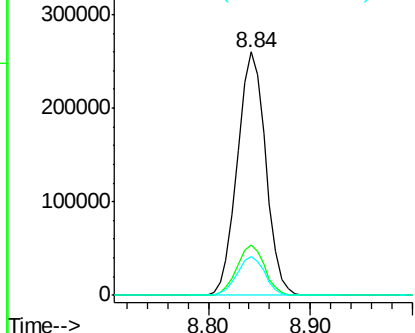
#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.84 min Scan# 1138
Delta R.T. 0.00 min
Lab File: VW009007.D
Acq: 05 Mar 2019 19:57

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

Tot Ion	Ratio	Lower	Upper
114	100		
63	20.4	0.0	40.8
88	15.8	0.0	30.4

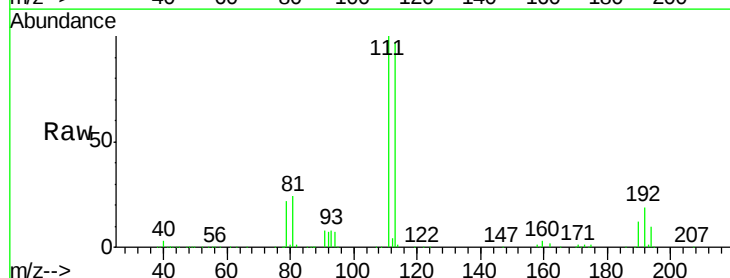


Abundance Ion 113.90 (113.60 to 114.60): V
Ion 63.00 (62.70 to 63.70): VW
Ion 87.90 (87.60 to 88.60): VW

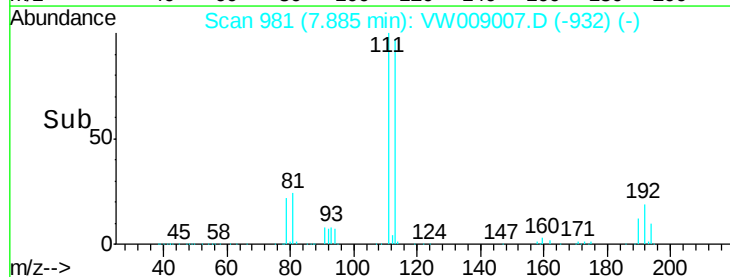
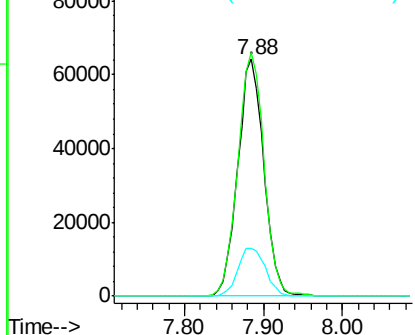


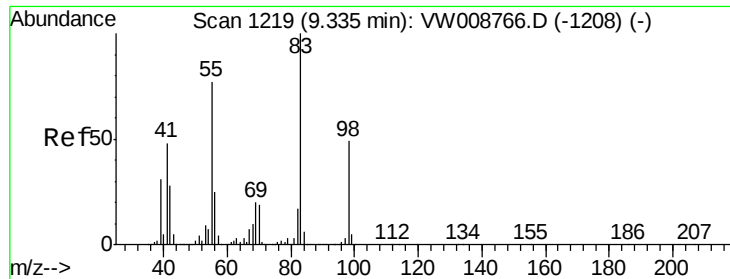
#35
Dibromofluoromethane
Concen: 49.240 ug/l
RT: 7.88 min Scan# 981
Delta R.T. 0.00 min
Lab File: VW009007.D
Acq: 05 Mar 2019 19:57

Tgt Ion	Ratio	Lower	Upper
113	100		
111	103.5	81.9	122.9
192	21.5	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

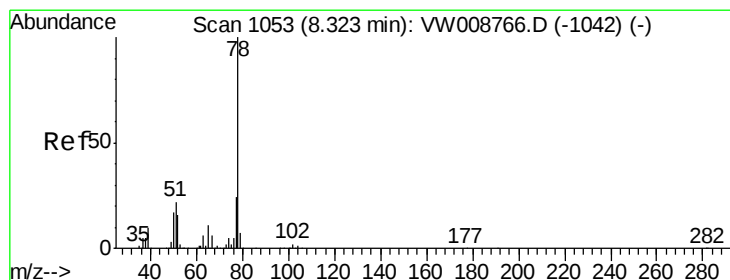
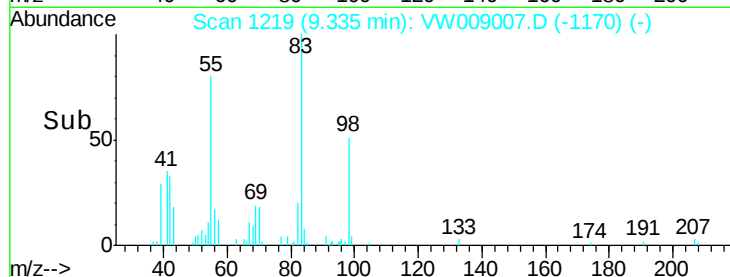
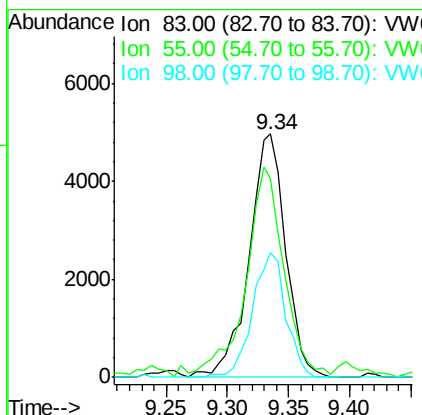
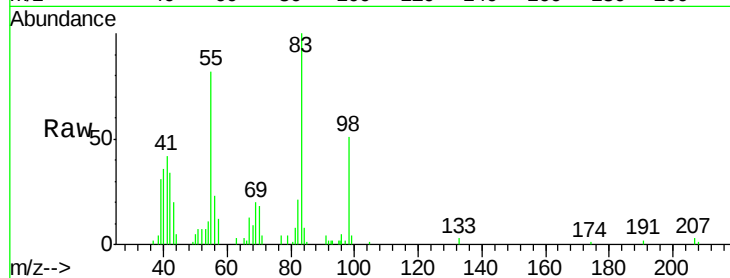




#39
Methvlcvclohexane
Concen: 1.705 ug/l
RT: 9.34 min Scan# 1219
Delta R.T. 0.00 min
Lab File: VW009007.D
Acq: 05 Mar 2019 19:57

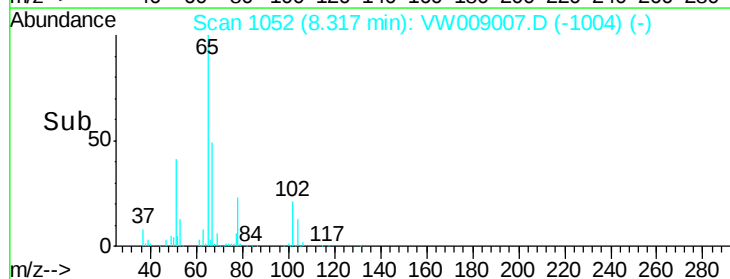
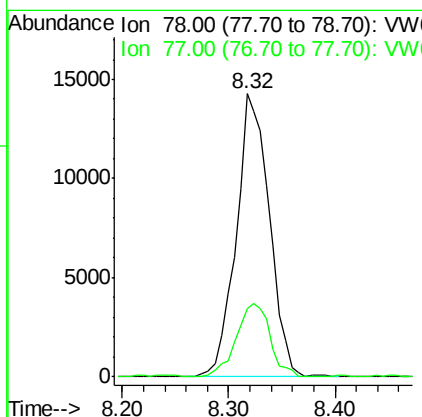
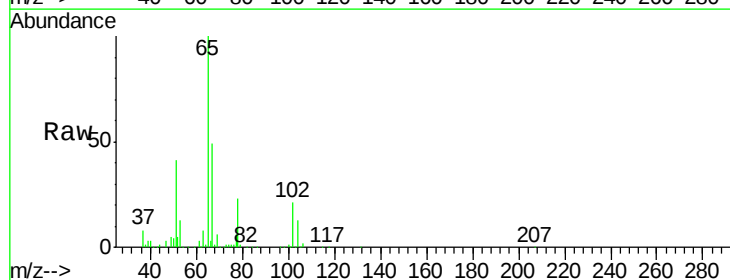
Instrument :
MSVOA_W
ClientSampleId :
JC-03-030119-H

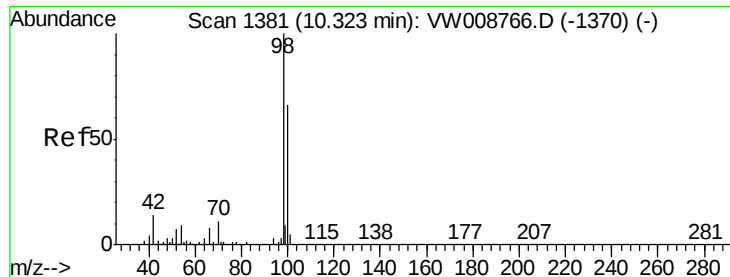
Tot Ion: 83 Resp: 10353
Ion Ratio Lower Upper
83 100
55 80.0 61.2 91.8
98 51.0 39.4 59.2



#40
Benzene
Concen: 2.350 ug/l
RT: 8.32 min Scan# 1052
Delta R.T. -0.01 min
Lab File: VW009007.D
Acq: 05 Mar 2019 19:57

Tgt Ion: 78 Resp: 31226
Ion Ratio Lower Upper
78 100
77 24.2 19.3 28.9





#50

Toluene-d8

Concen: 50.342 ug/l

RT: 10.32 min Scan# 1381

Delta R.T. 0.00 min

Lab File: VW009007.D

Acq: 05 Mar 2019 19:57

Instrument :

MSVOA_W

ClientSampleId :

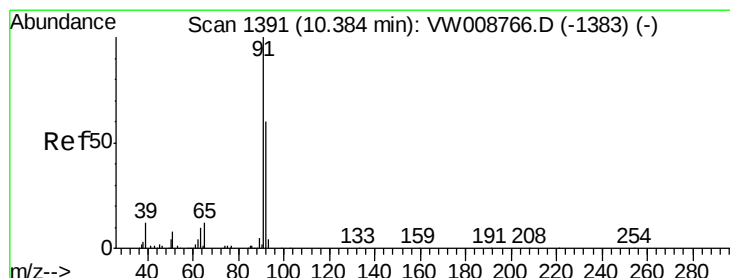
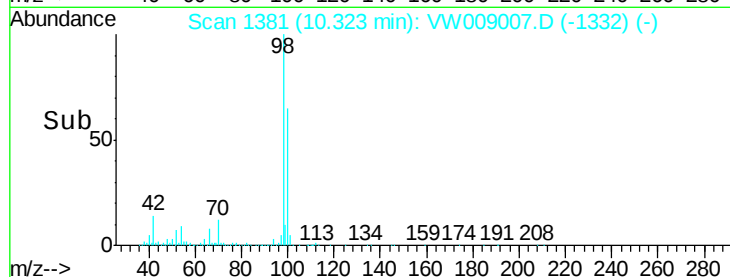
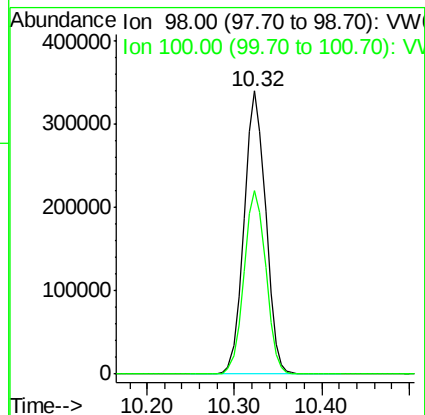
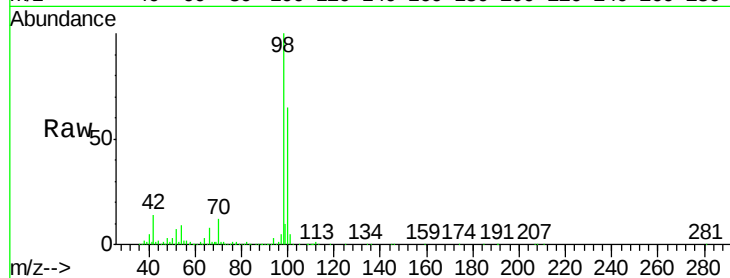
JC-03-030119-H

Tot Ion: 98 Resp: 583358

Ion Ratio Lower Upper

98 100

100 65.6 52.4 78.6



#52

Toluene

Concen: 15.973 ug/l

RT: 10.39 min Scan# 1392

Delta R.T. 0.01 min

Lab File: VW009007.D

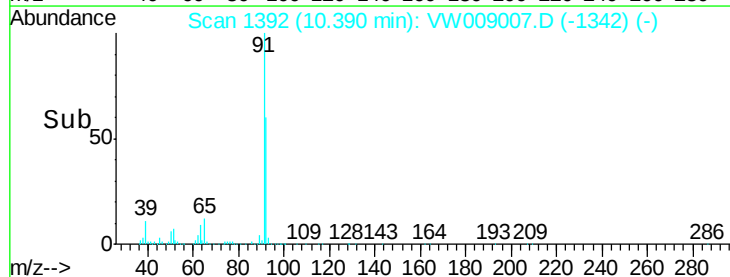
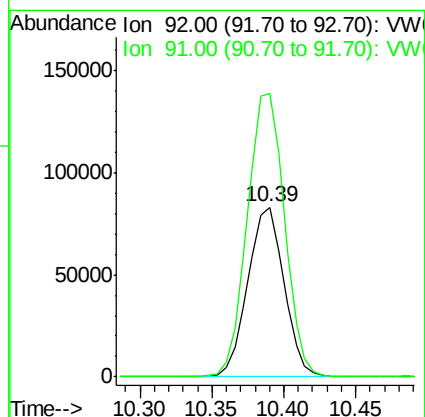
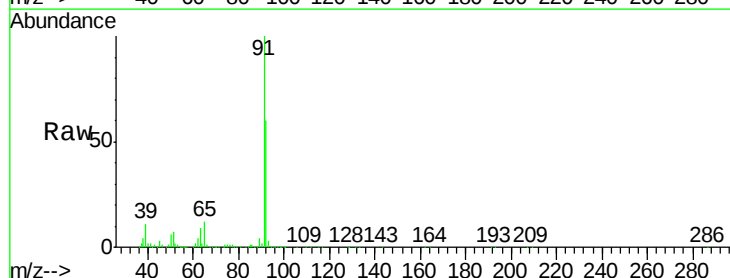
Acq: 05 Mar 2019 19:57

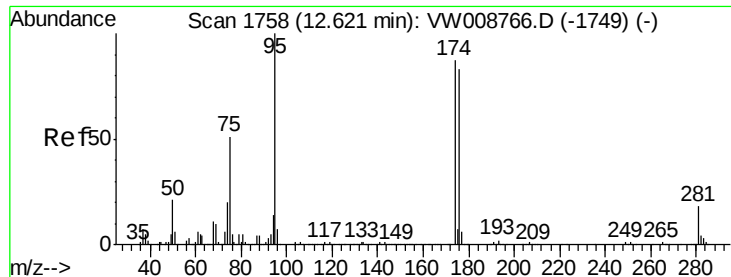
Tgt Ion: 92 Resp: 144047

Ion Ratio Lower Upper

92 100

91 173.0 136.9 205.3





#62

4-Bromofluorobenzene

Concen: 40.293 ug/l

RT: 12.62 min Scan# 1758

Delta R.T. 0.00 min

Lab File: VW009007.D

Acq: 05 Mar 2019 19:57

Instrument :

MSVOA_W

ClientSampleId :

JC-03-030119-H

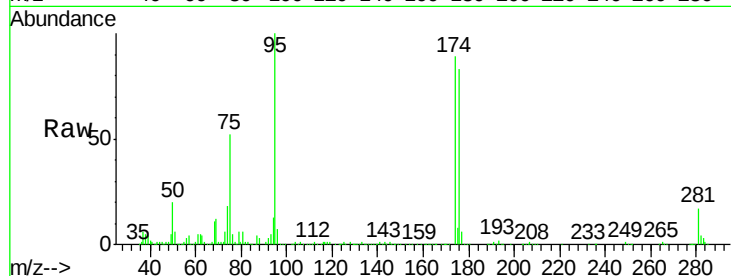
Tot Ion: 95 Resp: 182817

Ion Ratio Lower Upper

95 100

174 85.6 0.0 169.2

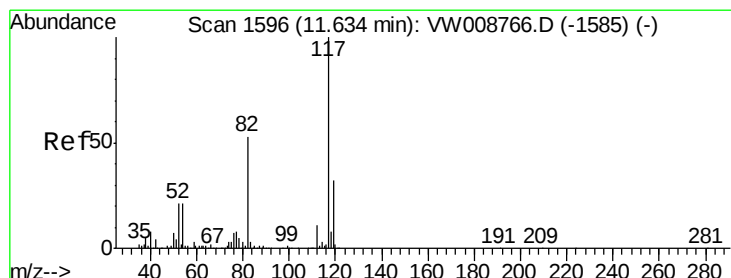
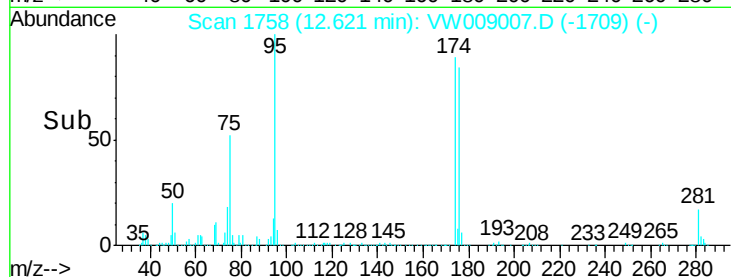
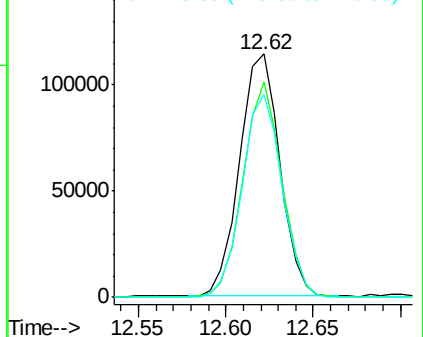
176 83.2 0.0 163.6



Abundance Ion 94.90 (94.60 to 95.60): VW

Ion 173.80 (173.50 to 174.50): VW

Ion 175.80 (175.50 to 176.50): VW



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.63 min Scan# 1596

Delta R.T. 0.00 min

Lab File: VW009007.D

Acq: 05 Mar 2019 19:57

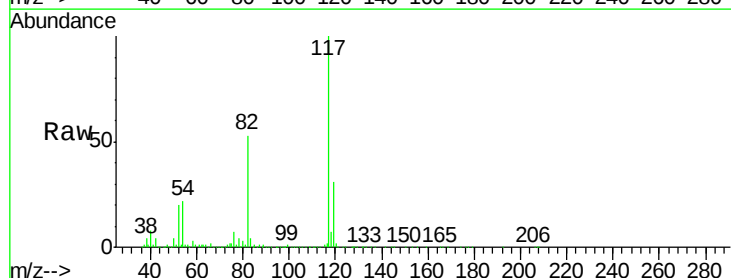
Tgt Ion: 117 Resp: 425481

Ion Ratio Lower Upper

117 100

82 53.1 42.2 63.4

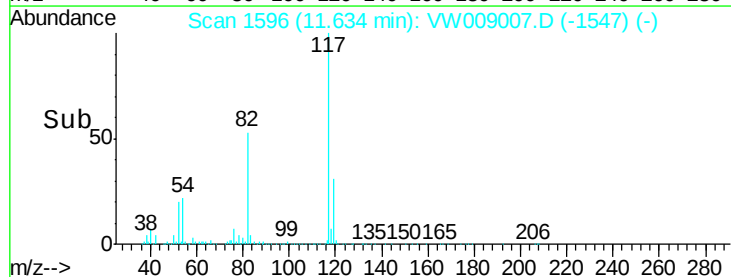
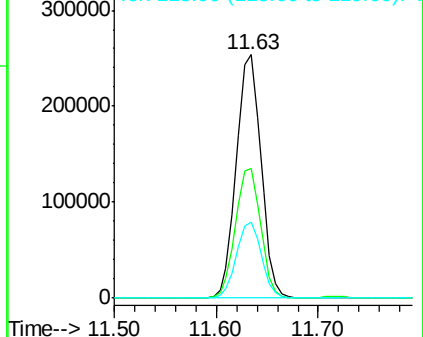
119 31.4 25.9 38.9

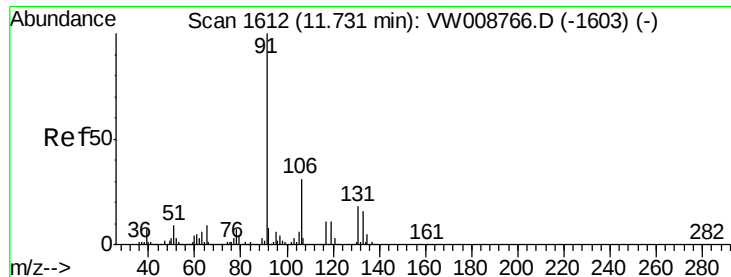


Abundance Ion 116.90 (116.60 to 117.60): VW

Ion 82.00 (81.70 to 82.70): VW

Ion 118.90 (118.60 to 119.60): VW

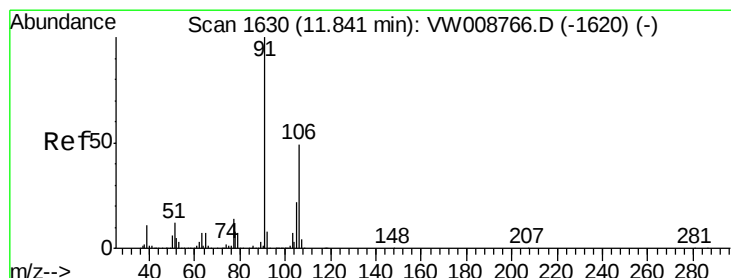
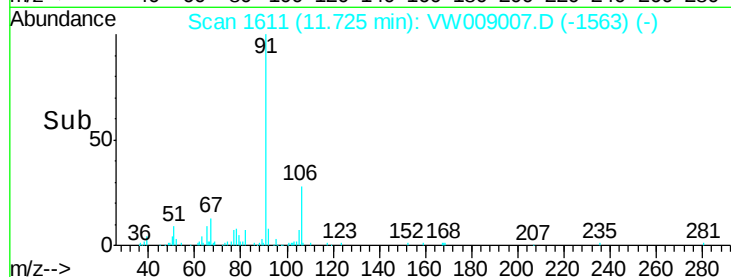
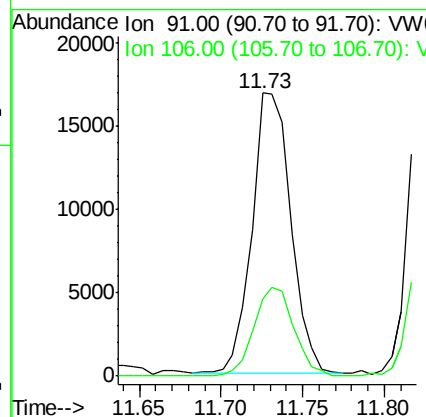
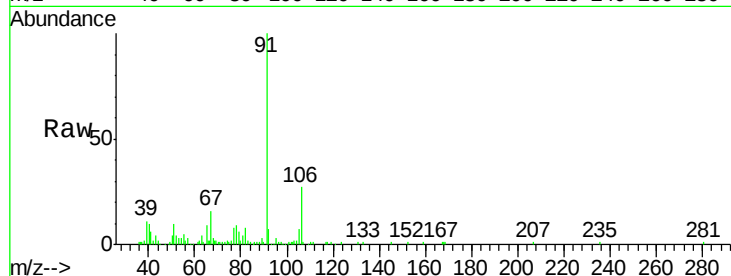




#67
Ethyl Benzene
Concen: 1.747 ug/l
RT: 11.73 min Scan# 1611
Delta R.T. -0.01 min
Lab File: VW009007.D
Acq: 05 Mar 2019 19:57

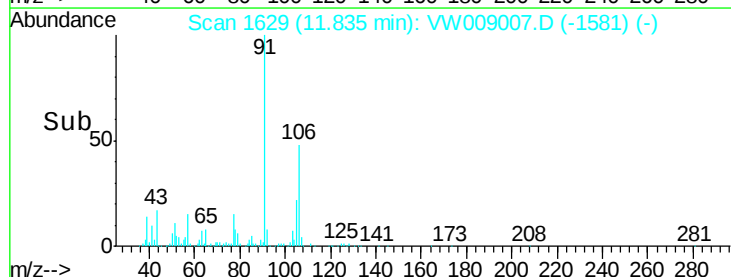
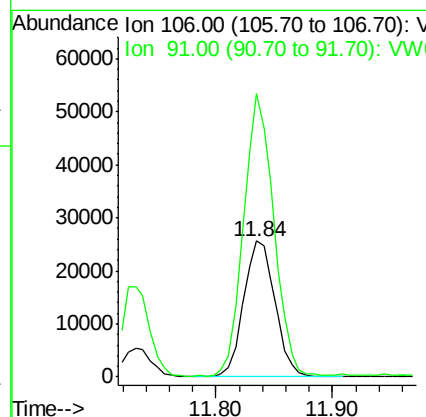
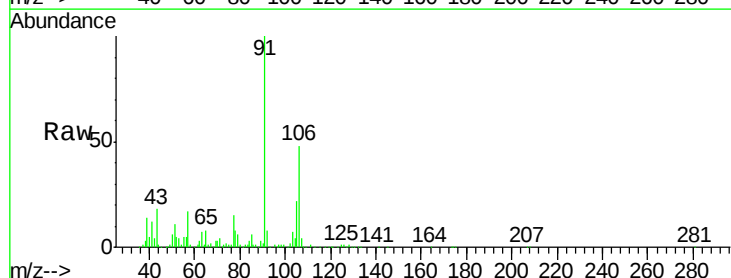
Instrument :
MSVOA_W
ClientSampleId :
JC-03-030119-H

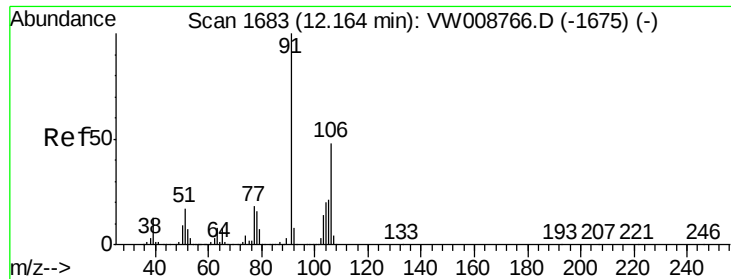
Tot Ion: 91 Resp: 27947
Ion Ratio Lower Upper
91 100
106 27.7 25.0 37.6



#68
m/p-Xylenes
Concen: 7.543 ug/l
RT: 11.84 min Scan# 1629
Delta R.T. -0.01 min
Lab File: VW009007.D
Acq: 05 Mar 2019 19:57

Tgt Ion: 106 Resp: 48202
Ion Ratio Lower Upper
106 100
91 198.6 161.5 242.3

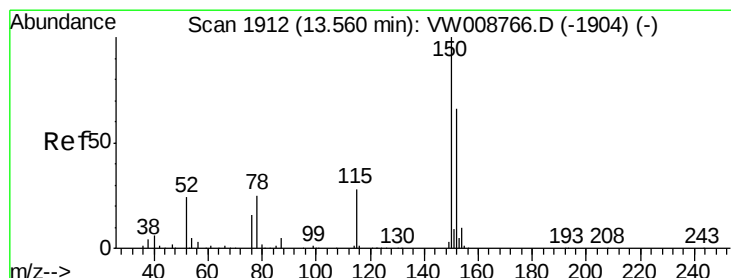
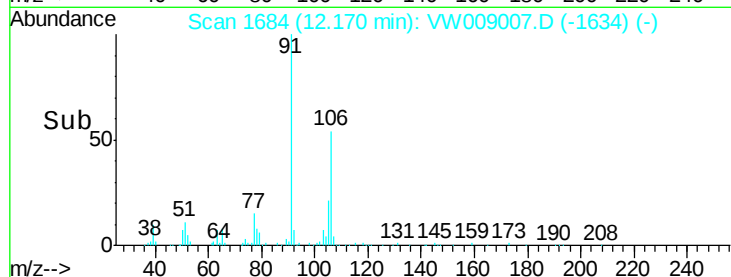
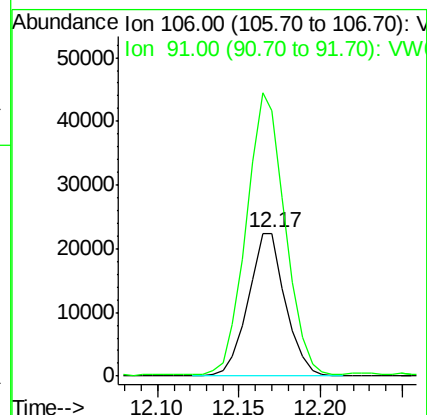
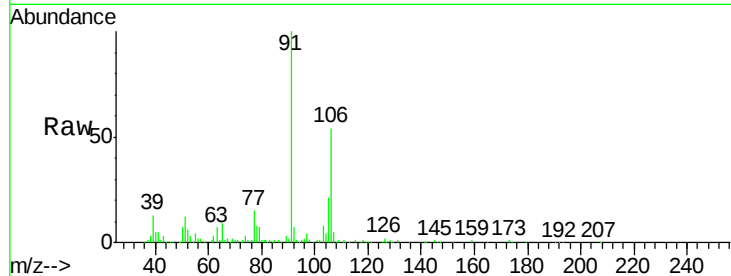




#69
o-Xylene
Concen: 5.950 ug/l
RT: 12.17 min Scan# 1684
Delta R.T. 0.01 min
Lab File: VW009007.D
Acq: 05 Mar 2019 19:57

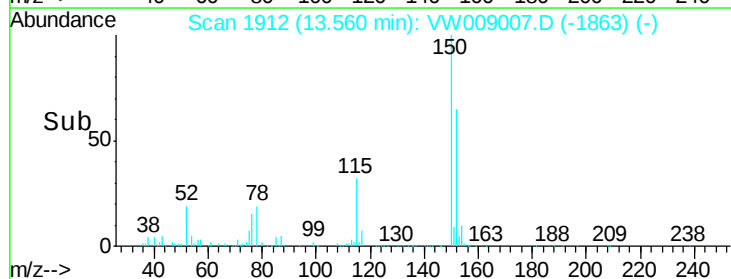
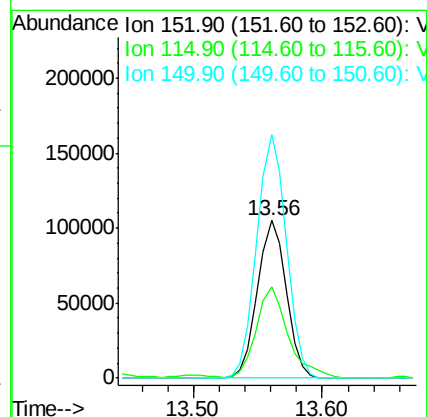
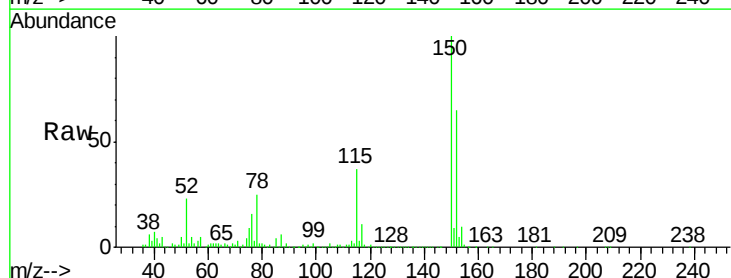
Instrument :
MSVOA_W
ClientSampleId :
JC-03-030119-H

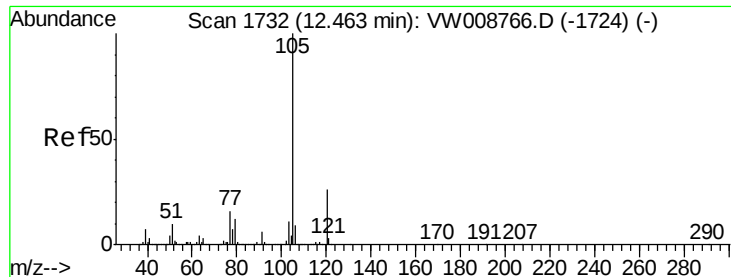
Tot Ion:106 Resp: 35688
Ion Ratio Lower Upper
106 100
91 206.1 106.2 318.6



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.56 min Scan# 1912
Delta R.T. 0.00 min
Lab File: VW009007.D
Acq: 05 Mar 2019 19:57

Tgt Ion:152 Resp: 162781
Ion Ratio Lower Upper
152 100
115 63.0 28.6 85.8
150 157.8 0.0 348.0





#73

Isopropylbenzene

Concen: 1.704 ug/l

RT: 12.46 min Scan# 1732

Delta R.T. 0.00 min

Lab File: VW009007.D

Acq: 05 Mar 2019 19:57

Instrument :

MSVOA_W

ClientSampleId :

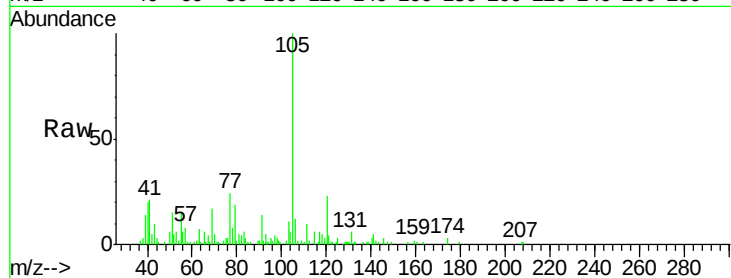
JC-03-030119-H

Tot Ion:105 Resp: 19016

Ion Ratio Lower Upper

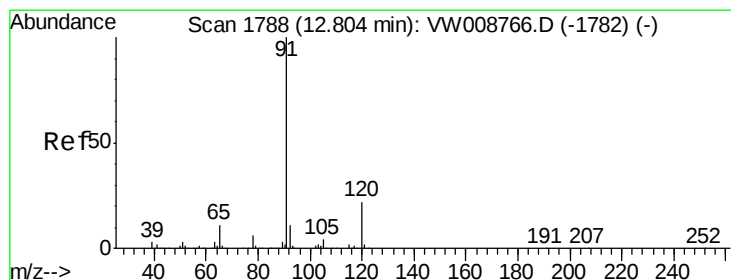
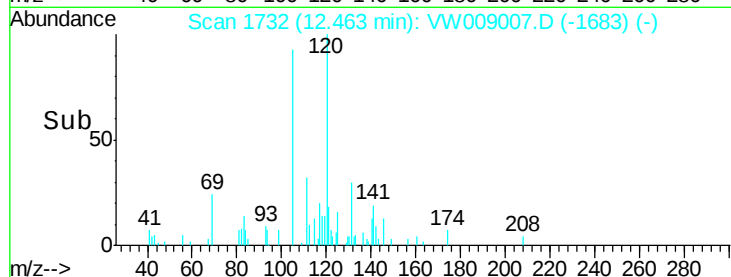
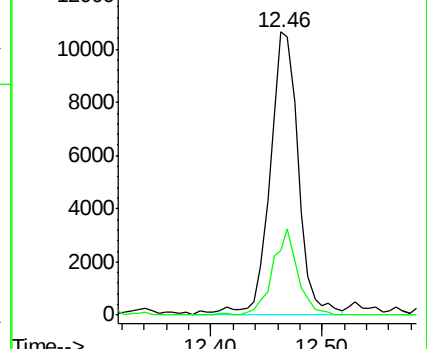
105 100

120 26.7 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: 3.994 ug/l

RT: 12.80 min Scan# 1788

Delta R.T. 0.00 min

Lab File: VW009007.D

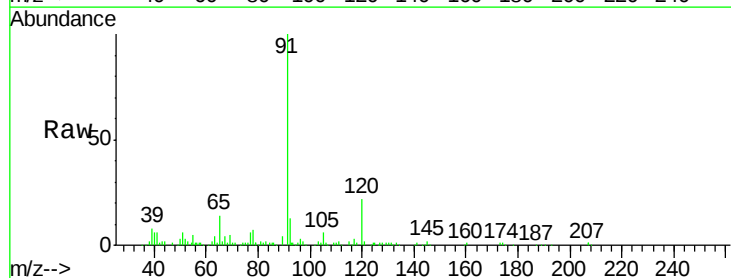
Acq: 05 Mar 2019 19:57

Tgt Ion: 91 Resp: 54525

Ion Ratio Lower Upper

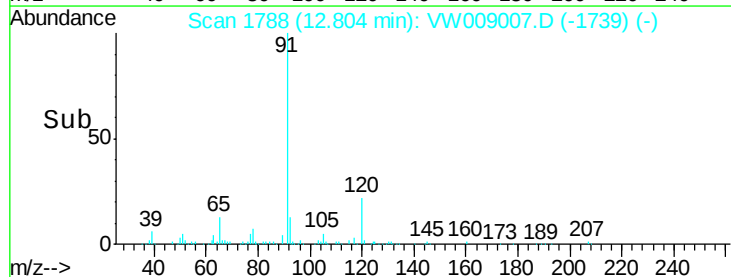
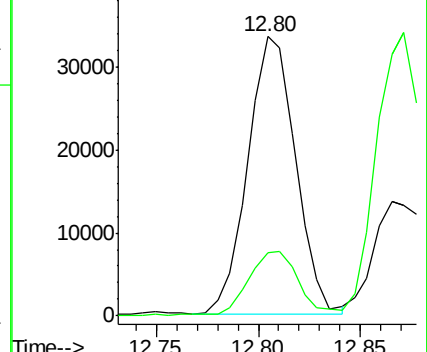
91 100

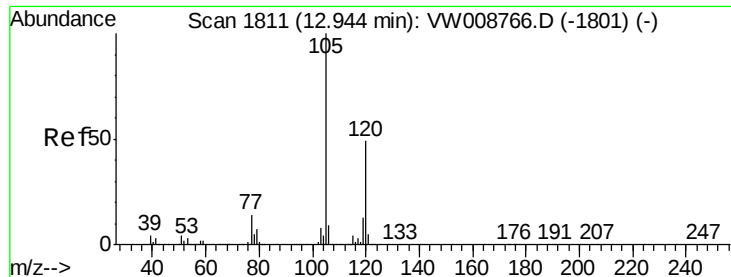
120 23.3 11.5 34.4



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: 13.197 ug/l

RT: 12.94 min Scan# 1811

Delta R.T. 0.00 min

Lab File: VW009007.D

Acq: 05 Mar 2019 19:57

Instrument :

MSVOA_W

ClientSampleId :

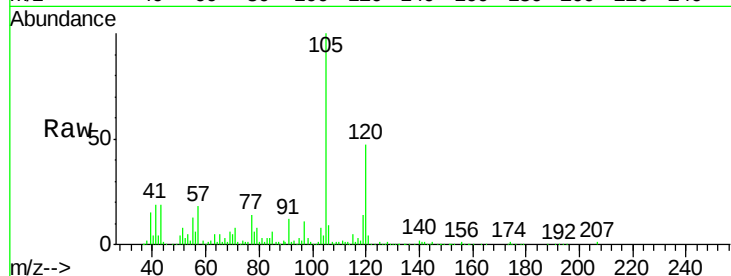
JC-03-030119-H

Tot Ion:105 Resp: 127982

Ion Ratio Lower Upper

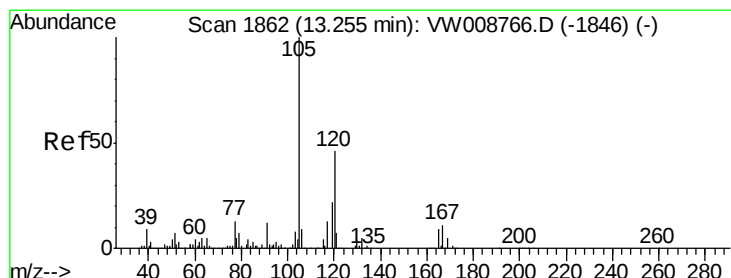
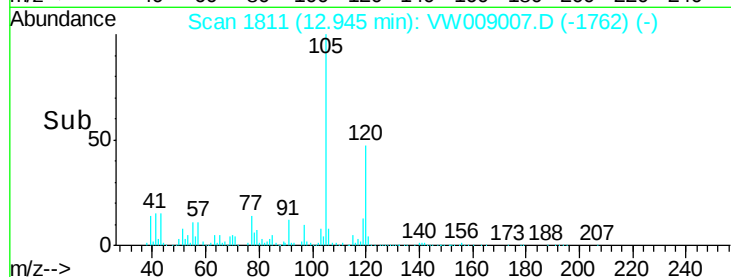
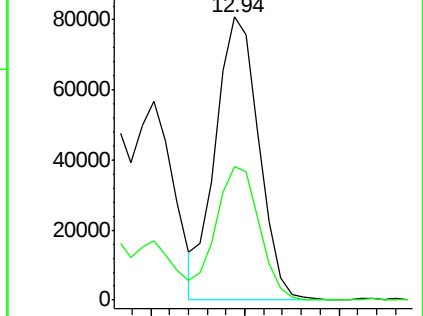
105 100

120 48.3 24.8 74.4



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#84

1,2,4-Trimethylbenzene

Concen: 42.498 ug/l

RT: 13.26 min Scan# 1862

Delta R.T. 0.00 min

Lab File: VW009007.D

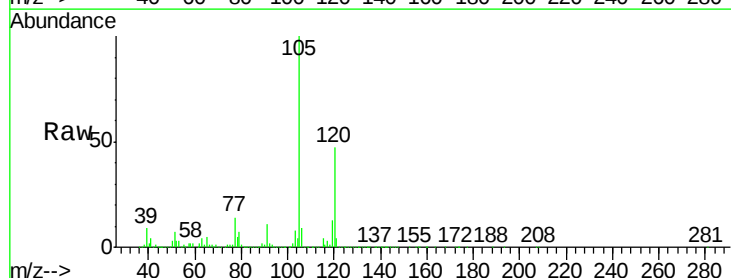
Acq: 05 Mar 2019 19:57

Tgt Ion:105 Resp: 426621

Ion Ratio Lower Upper

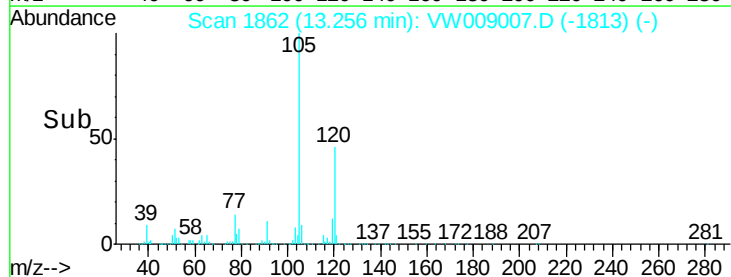
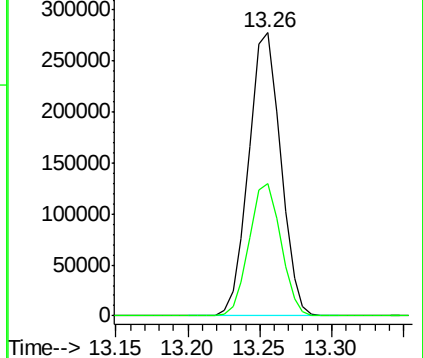
105 100

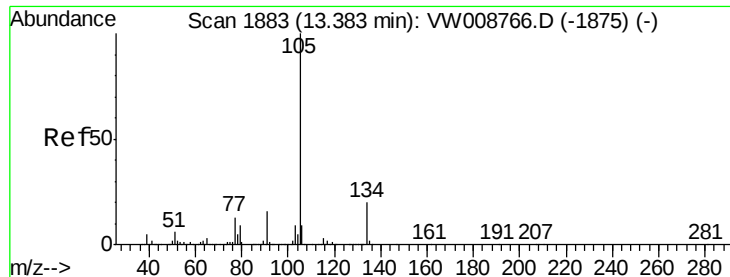
120 46.7 22.8 68.4



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#85

sec-Butylbenzene

Concen: 2.421 ug/l

RT: 13.39 min Scan# 1884

Delta R.T. 0.01 min

Lab File: VW009007.D

Acq: 05 Mar 2019 19:57

Instrument :

MSVOA_W

ClientSampleId :

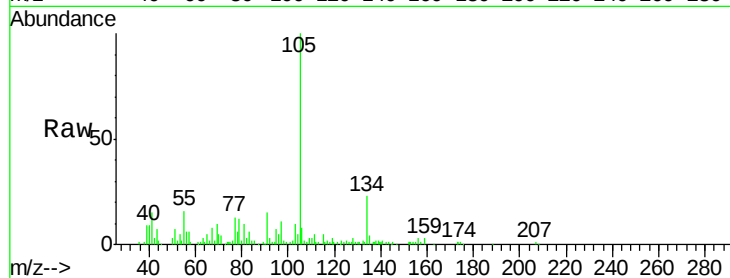
JC-03-030119-H

Tot Ion:105 Resp: 29196

Ion Ratio Lower Upper

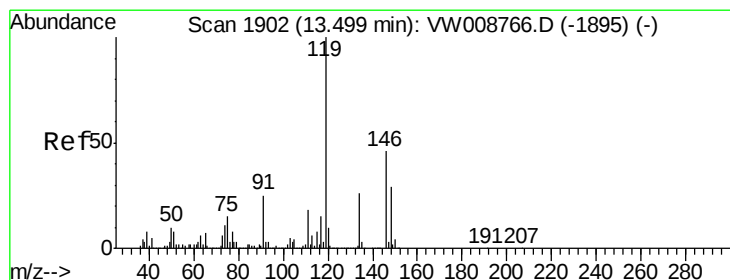
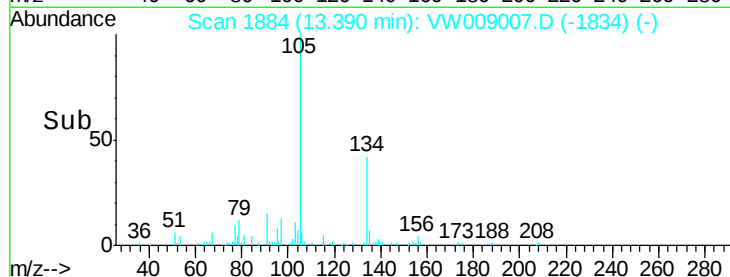
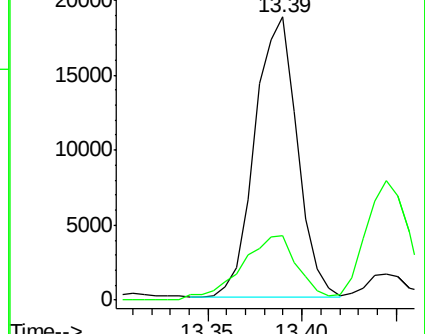
105 100

134 30.5 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: 2.540 ug/l

RT: 13.51 min Scan# 1903

Delta R.T. 0.01 min

Lab File: VW009007.D

Acq: 05 Mar 2019 19:57

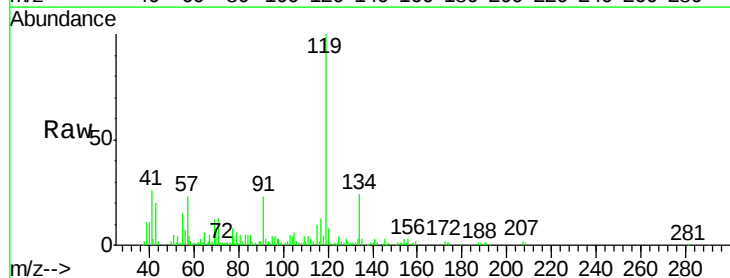
Tgt Ion:119 Resp: 28071

Ion Ratio Lower Upper

119 100

134 26.2 13.1 39.3

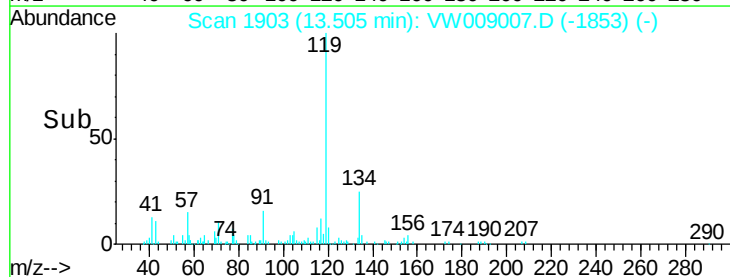
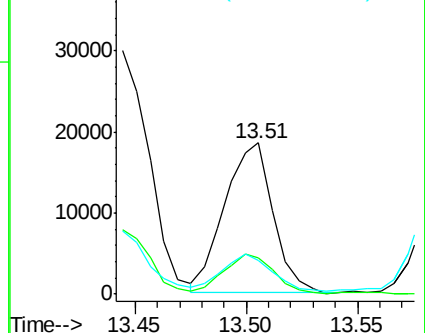
91 24.3 12.1 36.3

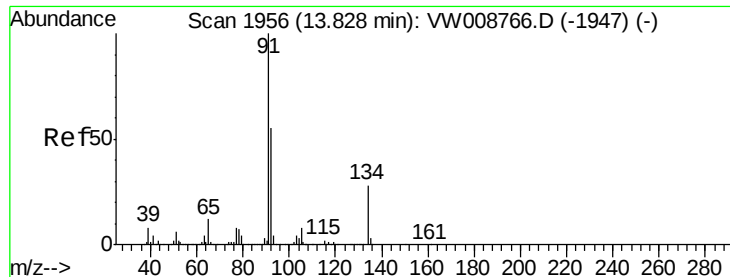


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V





#89

n-Butylbenzene

Concen: 4.234 ug/l

RT: 13.82 min Scan# 1955

Delta R.T. -0.01 min

Lab File: VW009007.D

Acq: 05 Mar 2019 19:57

Instrument :

MSVOA_W

ClientSampleId :

JC-03-030119-H

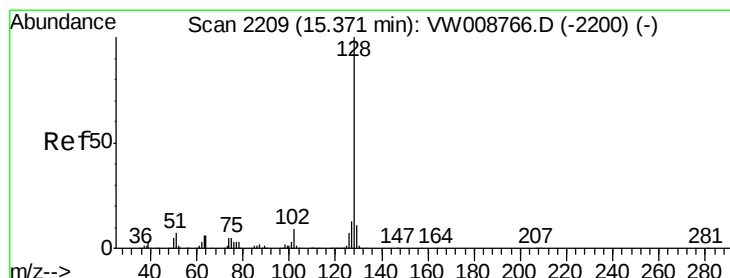
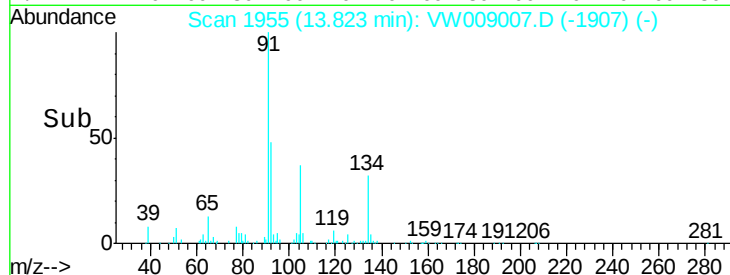
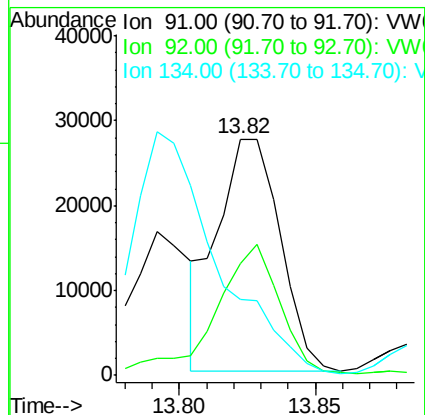
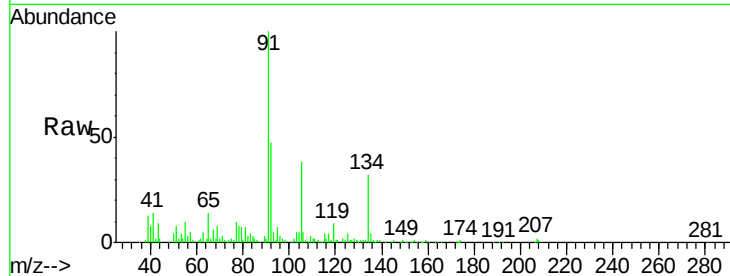
Tot Ion: 91 Resp: 43843

Ion Ratio Lower Upper

91 100

92 57.2 26.8 80.4

134 0.0 13.5 40.4#



#95

Naphthalene

Concen: 10.684 ug/l

RT: 15.37 min Scan# 2209

Delta R.T. 0.00 min

Lab File: VW009007.D

Acq: 05 Mar 2019 19:57

Tgt Ion: 128 Resp: 63893

Ion Ratio Lower Upper

128 100

127 11.6 10.8 16.2

129 8.6 8.7 13.1#

