

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW021219\
 Data File : VW008624.D
 Acq On : 12 Feb 2019 15:51
 Operator : SY/VA
 Sample : K1343-01
 Misc : 6.70G/5ML/MSVOA W/SOIL
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 JC-02-021119-A

Quant Time: Feb 13 01:04:15 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W012419S.M
 Quant Title : SW846 8260
 QLast Update : Fri Jan 25 11:07:41 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	375975	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	623233	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	533444	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	218682	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.31	65	222225	60.16	ug/l	0.00
Spiked Amount			Recovery	=	120.32%	
35) Dibromofluoromethane	7.88	113	197545	54.21	ug/l	0.00
Spiked Amount			Recovery	=	108.42%	
50) Toluene-d8	10.32	98	722703	49.45	ug/l	0.00
Spiked Amount			Recovery	=	98.90%	
62) 4-Bromofluorobenzene	12.62	95	242355	43.14	ug/l	0.00
Spiked Amount			Recovery	=	86.28%	

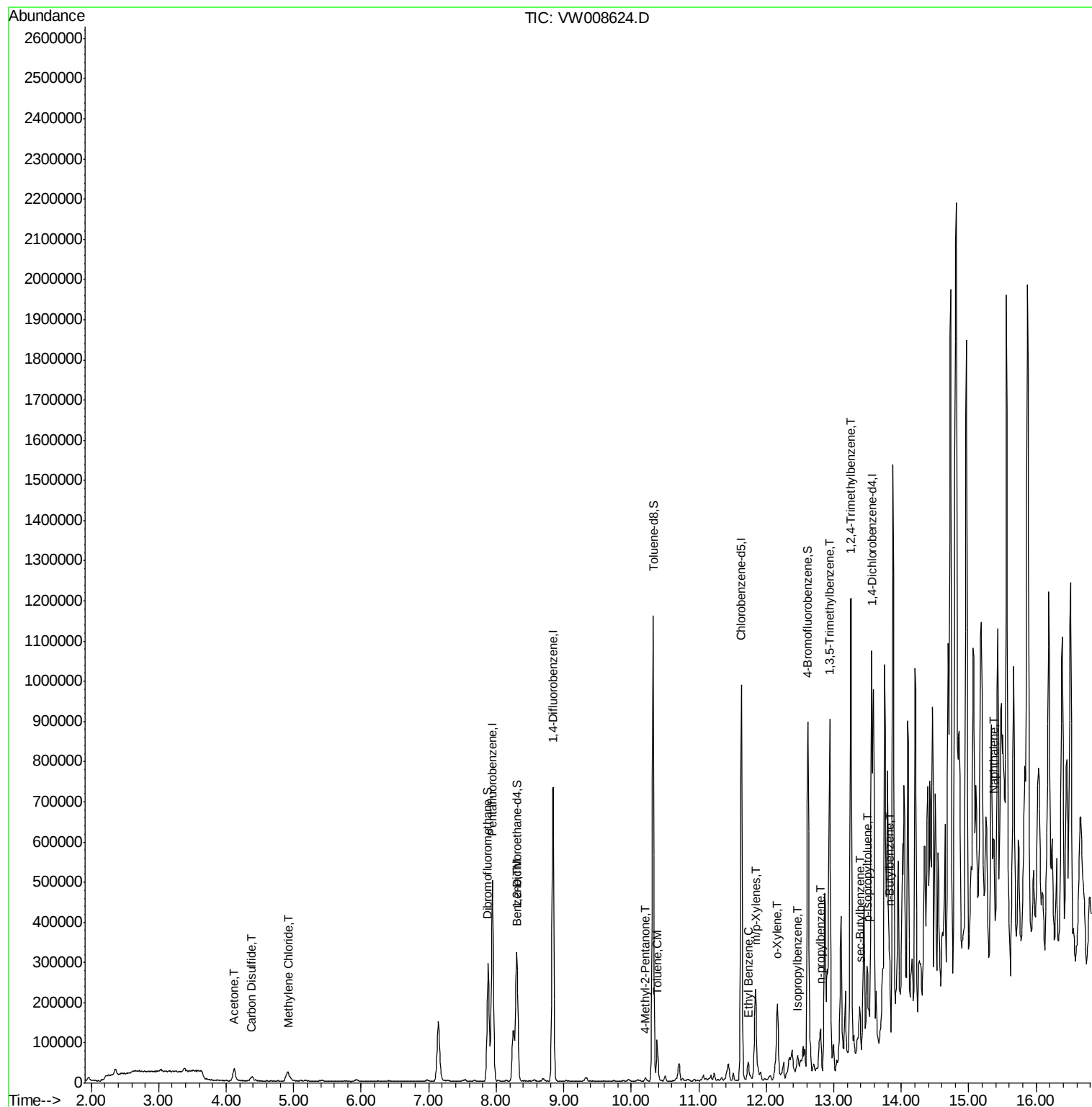
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
16) Acetone	4.12	43	54057	65.172	ug/l	98
17) Carbon Disulfide	4.37	76	17805	1.620	ug/l	95
20) Methylene Chloride	4.91	84	19731m	5.161	ug/l	
40) Benzene	8.32	78	45280	2.772	ug/l	91
51) 4-Methyl-2-Pentanone	10.21	43	5927	2.217	ug/l	98
52) Toluene	10.38	92	43997	4.080	ug/l	99
67) Ethyl Benzene	11.73	91	28470	1.422	ug/l	93
68) m/p-Xylenes	11.84	106	41737	5.374	ug/l	96
69) o-Xylene	12.16	106	47782	6.475	ug/l	95
73) Isopropylbenzene	12.46	105	22509	1.381	ug/l	98
78) n-propylbenzene	12.80	91	76340	3.899	ug/l	97
80) 1,3,5-Trimethylbenzene	12.94	105	220233	16.162	ug/l	98
84) 1,2,4-Trimethylbenzene	13.26	105	623835	45.041	ug/l	99
85) sec-Butylbenzene	13.38	105	64368	3.717	ug/l	85
86) p-Isopropyltoluene	13.50	119	67903	4.476	ug/l	96
89) n-Butylbenzene	13.83	91	105240	7.066	ug/l #	78
95) Naphthalene	15.37	128	167316	20.988	ug/l #	94

(#) = 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: VW008624.D

Acq: 12 Feb 2019 15:51

Instrument :

MSVOA_W

ClientSampleId :

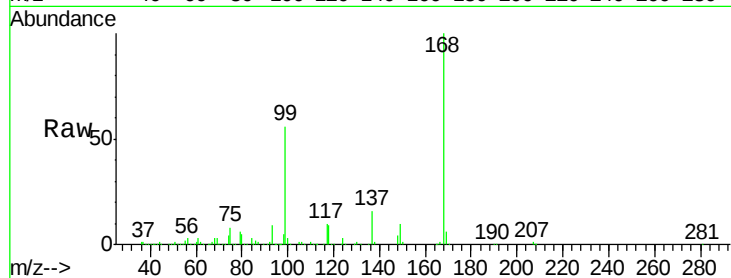
JC-02-021119-A

Tot Ion:168 Resp: 375975

Ion Ratio Lower Upper

168 100

99 56.4 45.5 68.3



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW

7.95

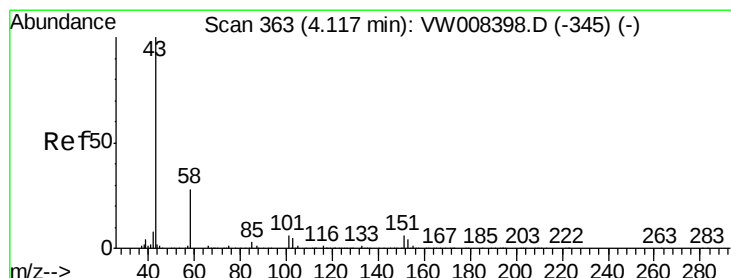
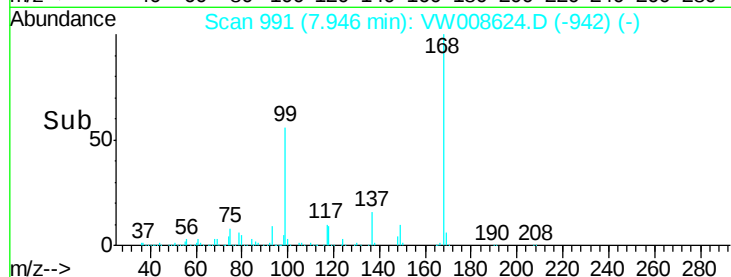
150000

100000

50000

0

Time-->



#16

Acetone

Concen: 65.172 ug/l

RT: 4.12 min Scan# 363

Delta R.T. 0.00 min

Lab File: VW008624.D

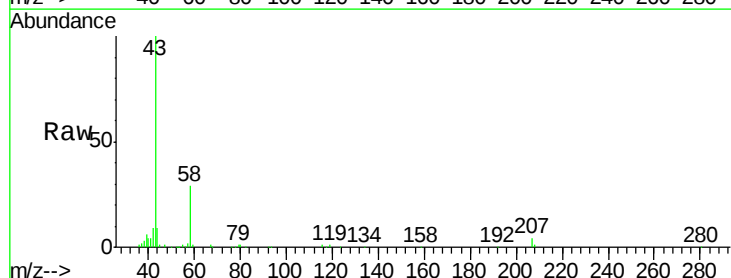
Acq: 12 Feb 2019 15:51

Tgt Ion: 43 Resp: 54057

Ion Ratio Lower Upper

43 100

58 29.4 22.6 34.0



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW

4.12

20000

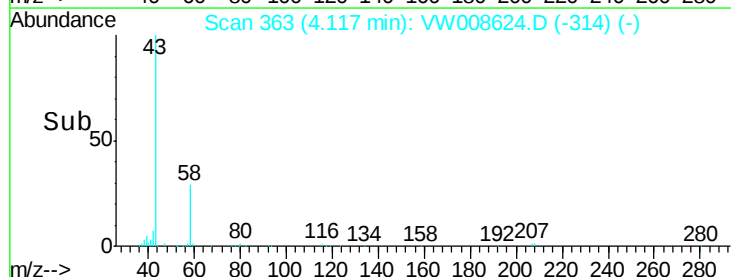
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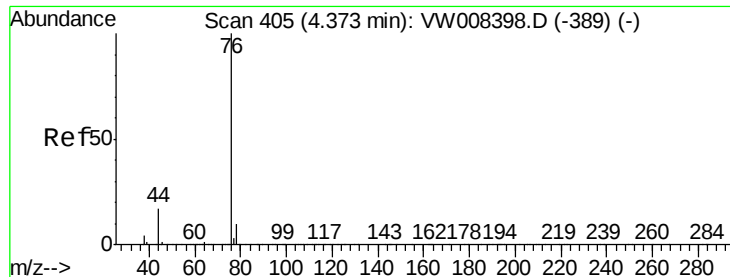
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Time-->

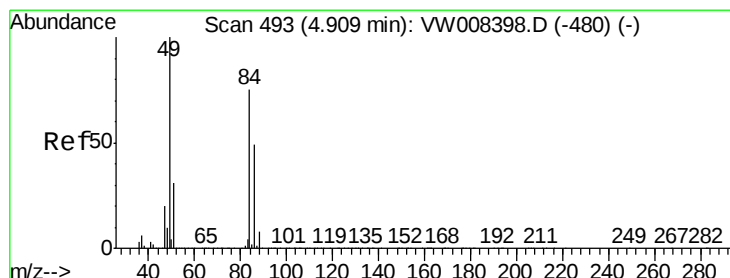
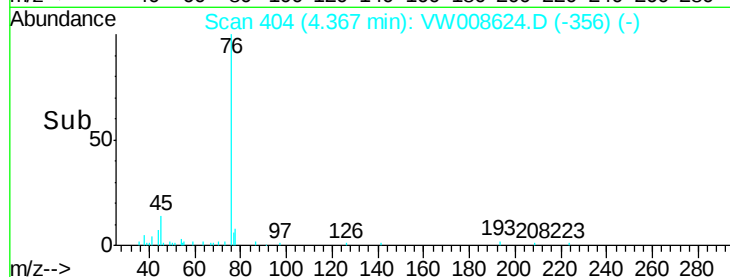
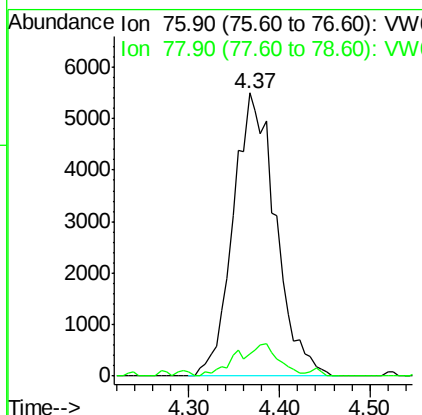
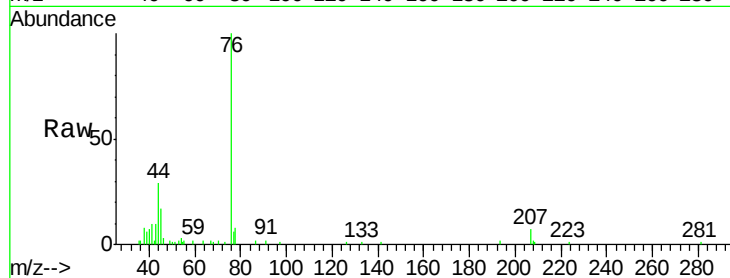




#17
Carbon Disulfide
Concen: 1.620 ug/l
RT: 4.37 min Scan# 404
Delta R.T. -0.01 min
Lab File: VW008624.D
Acq: 12 Feb 2019 15:51

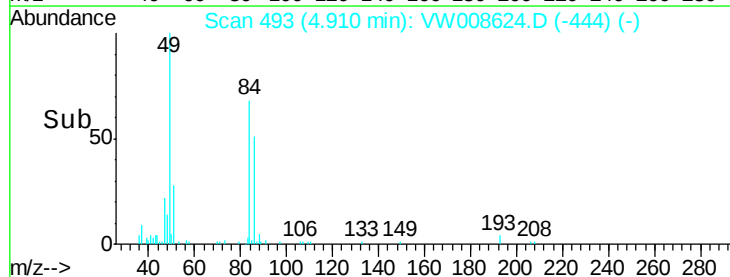
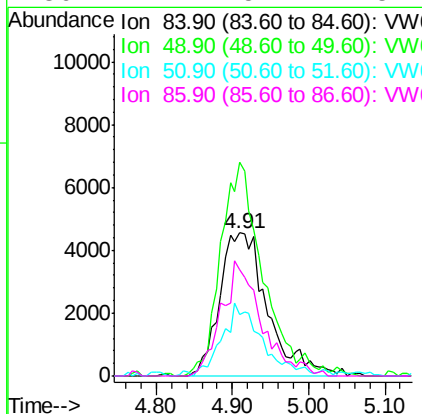
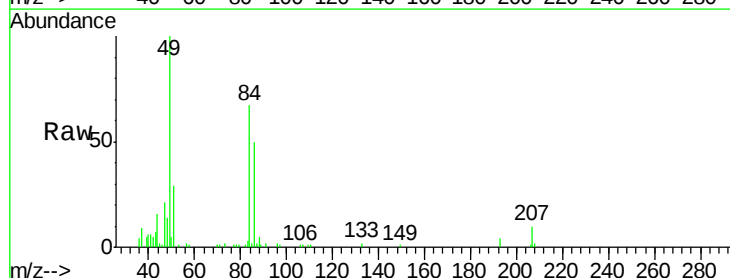
Instrument :
MSVOA_W
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JC-02-021119-A

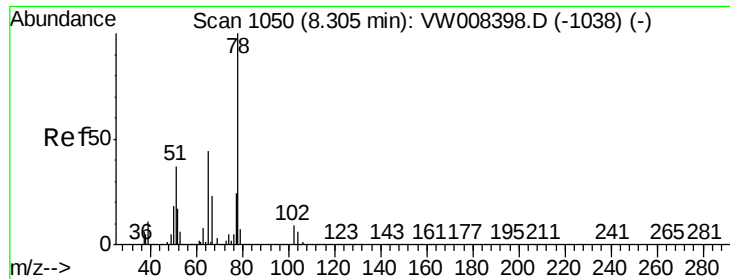
Tot Ion: 76 Resp: 17805
Ion Ratio Lower Upper
76 100
78 7.8 7.7 11.5



#20
Methylene Chloride
Concen: 5.161 ug/l m
RT: 4.91 min Scan# 493
Delta R.T. 0.00 min
Lab File: VW008624.D
Acq: 12 Feb 2019 15:51

Tgt Ion: 84 Resp: 19731
Ion Ratio Lower Upper
84 100
49 149.3 106.8 160.2
51 42.7 32.9 49.3
86 74.7 52.2 78.2





#33

1,2-Dichloroethane-d4

Concen: 60.165 ug/l

RT: 8.31 min Scan# 1050

Delta R.T. 0.00 min

Lab File: VW008624.D

Acq: 12 Feb 2019 15:51

Instrument :

MSVOA_W

ClientSampleId :

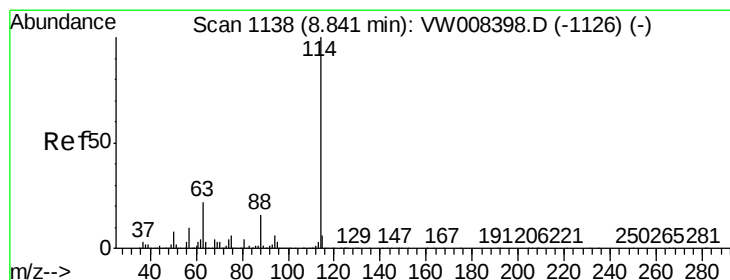
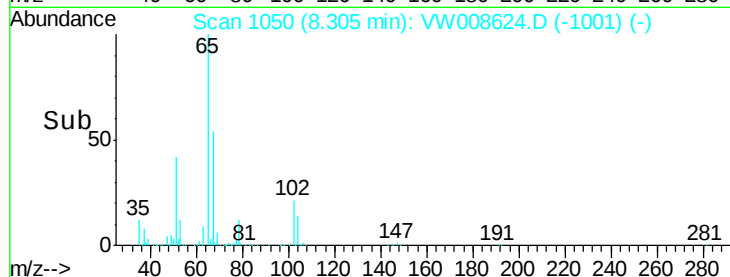
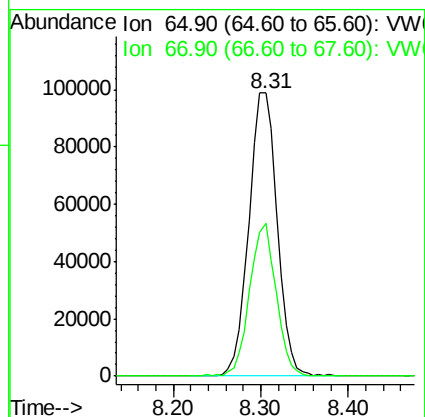
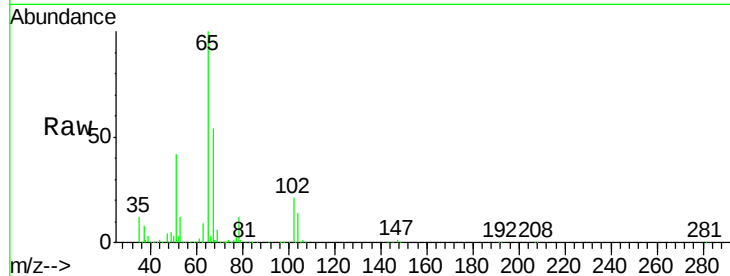
JC-02-021119-A

Tot Ion: 65 Resp: 222225

Ion Ratio Lower Upper

65 100

67 50.6 0.0 104.0



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.84 min Scan# 1138

Delta R.T. 0.00 min

Lab File: VW008624.D

Acq: 12 Feb 2019 15:51

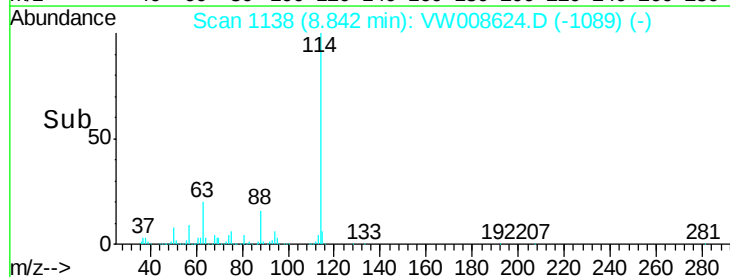
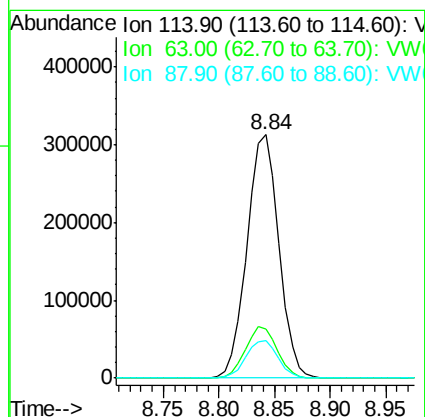
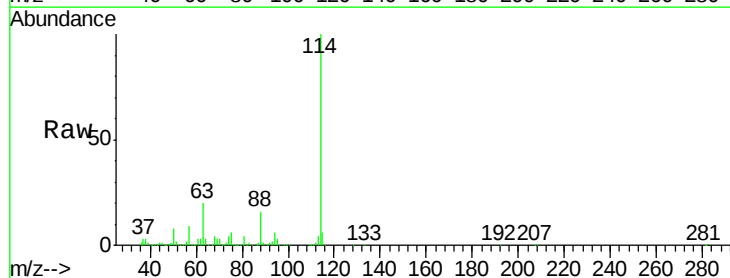
Tgt Ion: 114 Resp: 623233

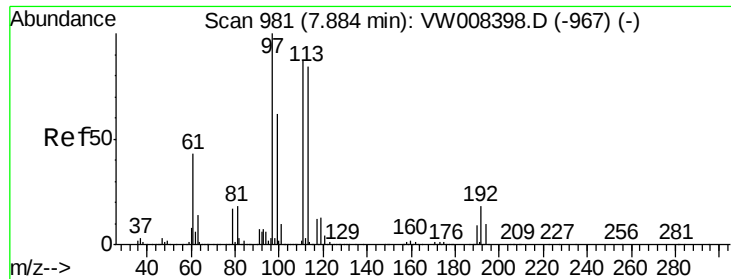
Ion Ratio Lower Upper

114 100

63 20.3 0.0 43.6

88 15.5 0.0 31.8

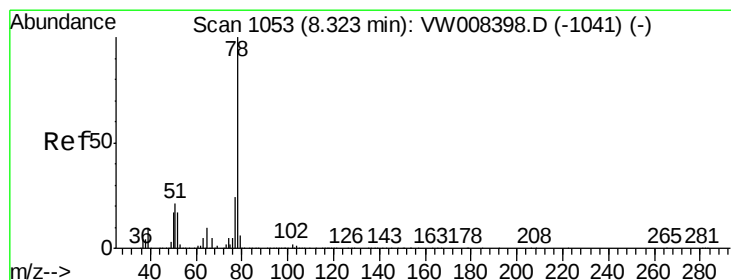
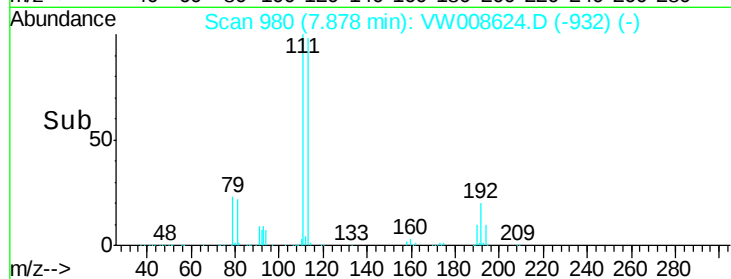
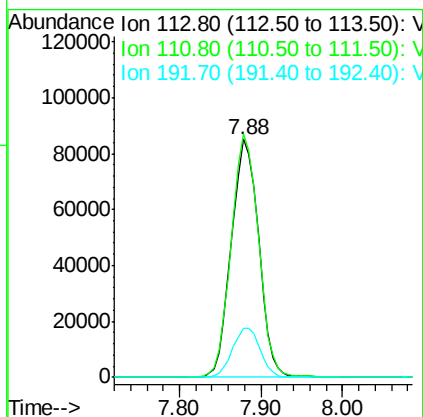
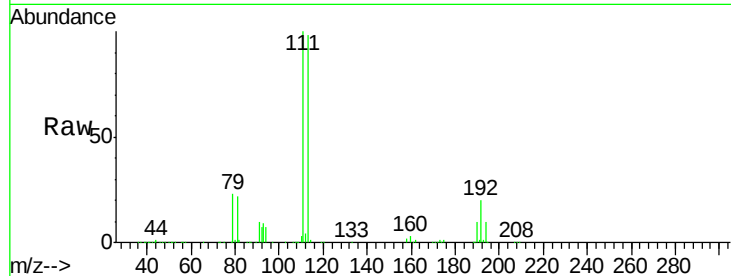




#35
 Dibromofluoromethane
 Concen: 54.207 ug/l
 RT: 7.88 min Scan# 980
 Delta R.T. -0.01 min
 Lab File: VW008624.D
 Acq: 12 Feb 2019 15:51

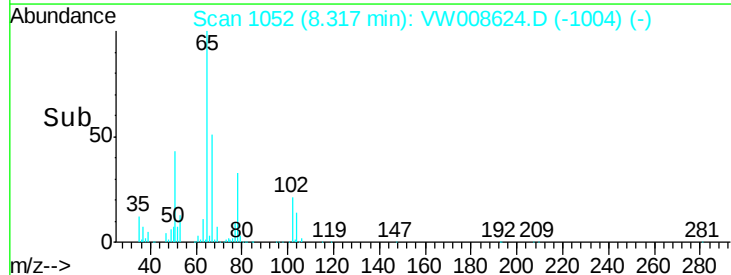
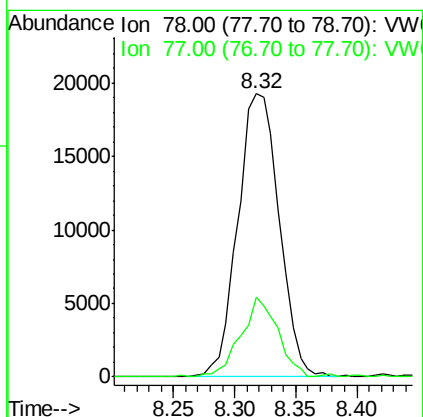
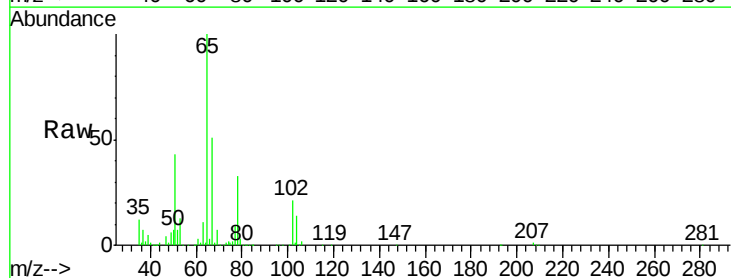
Instrument :
 MSVOA_W
 ClientSampleId :
 JC-02-021119-A

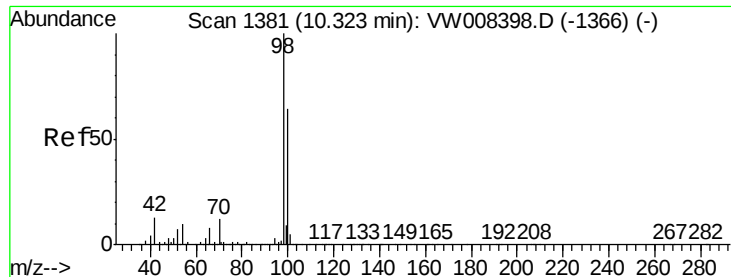
Tot Ion	Ratio	Lower	Upper
113	100		
111	101.4	81.0	121.4
192	20.9	16.8	25.2



#40
 Benzene
 Concen: 2.772 ug/l
 RT: 8.32 min Scan# 1052
 Delta R.T. -0.01 min
 Lab File: VW008624.D
 Acq: 12 Feb 2019 15:51

Tgt Ion	Ratio	Lower	Upper
78	100		
77	28.4	19.0	28.6





#50

Toluene-d8

Concen: 49.454 ug/l

RT: 10.32 min Scan# 1381

Delta R.T. 0.00 min

Lab File: VW008624.D

Acq: 12 Feb 2019 15:51

Instrument :

MSVOA_W

ClientSampleId :

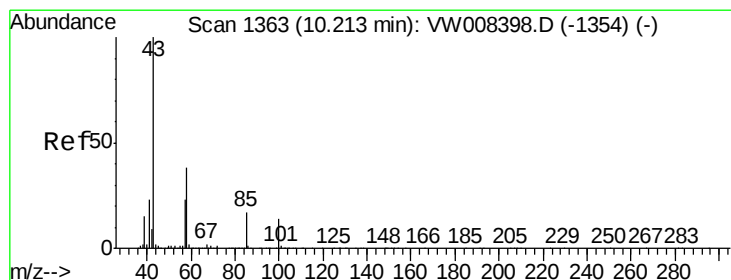
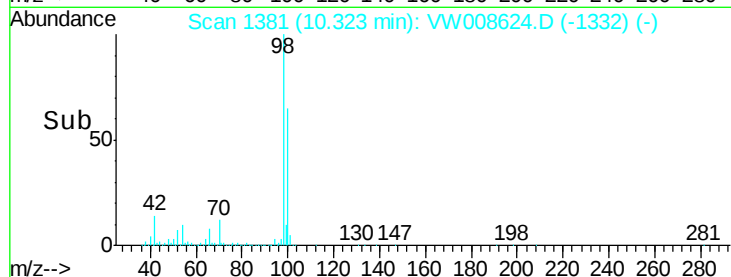
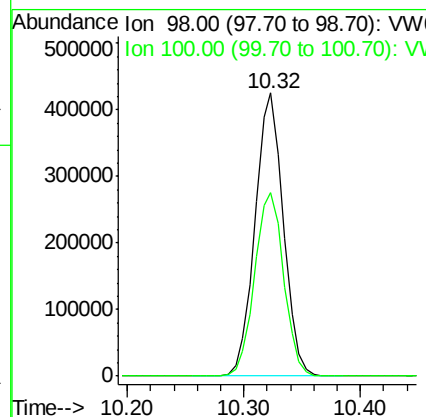
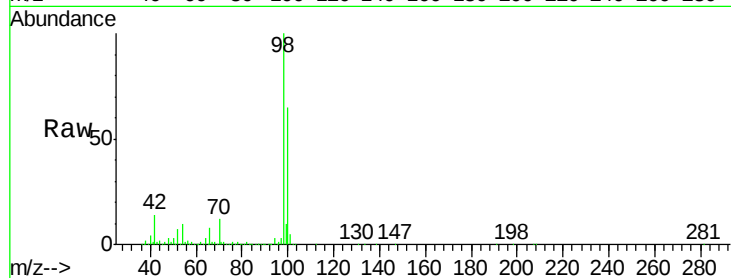
JC-02-021119-A

Tot Ion: 98 Resp: 722703

Ion Ratio Lower Upper

98 100

100 66.6 52.6 78.8



#51

4-Methyl-2-Pentanone

Concen: 2.217 ug/l

RT: 10.21 min Scan# 1362

Delta R.T. -0.01 min

Lab File: VW008624.D

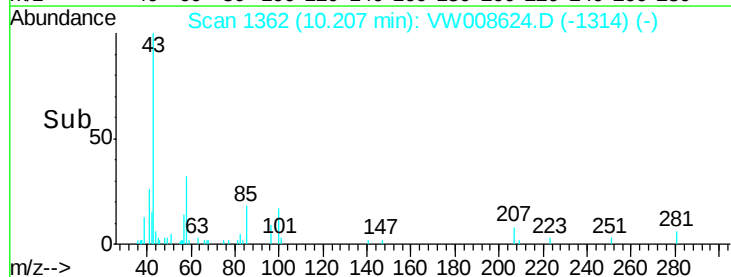
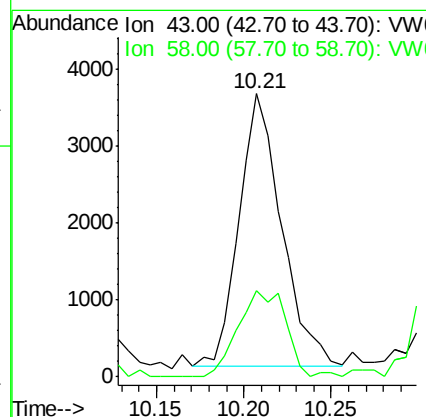
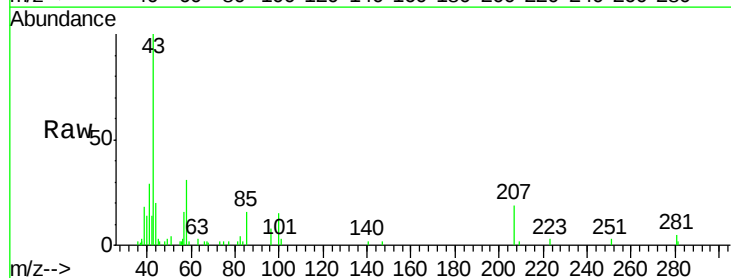
Acq: 12 Feb 2019 15:51

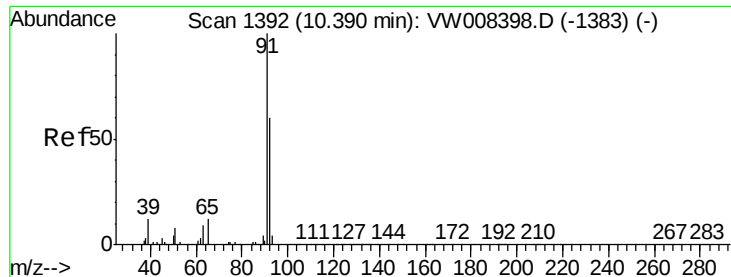
Tgt Ion: 43 Resp: 5927

Ion Ratio Lower Upper

43 100

58 35.8 29.7 44.5





#52

Toluene

Concen: 4.080 ug/l

RT: 10.38 min Scan# 1391

Delta R.T. -0.01 min

Lab File: VW008624.D

Acq: 12 Feb 2019 15:51

Instrument :

MSVOA_W

ClientSampleId :

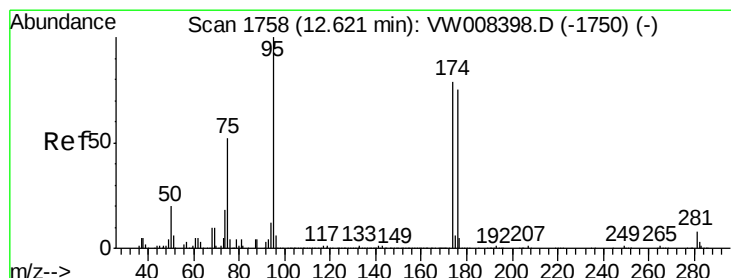
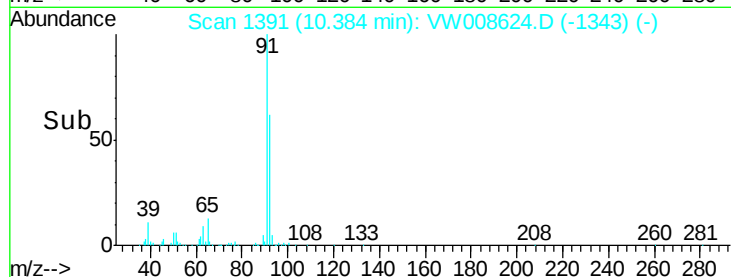
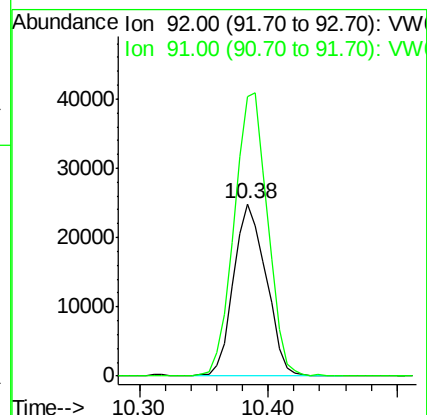
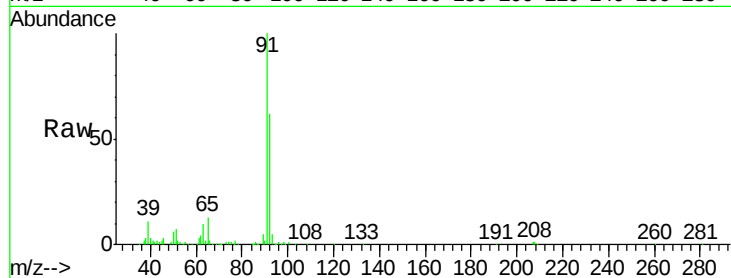
JC-02-021119-A

Tot Ion: 92 Resp: 43997

Ion Ratio Lower Upper

92 100

91 168.0 135.5 203.3



#62

4-Bromofluorobenzene

Concen: 43.145 ug/l

RT: 12.62 min Scan# 1758

Delta R.T. 0.00 min

Lab File: VW008624.D

Acq: 12 Feb 2019 15:51

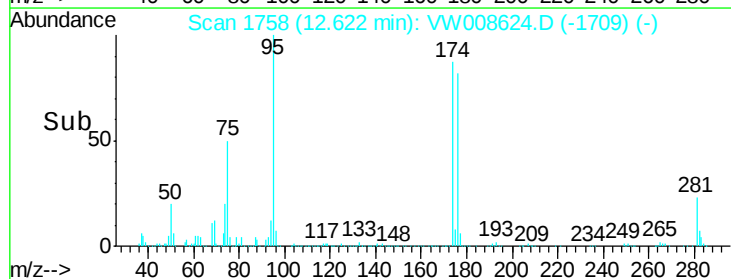
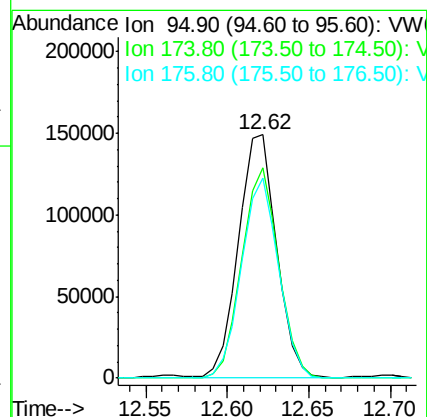
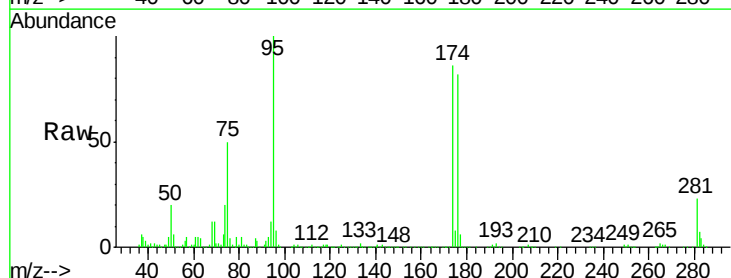
Tgt Ion: 95 Resp: 242355

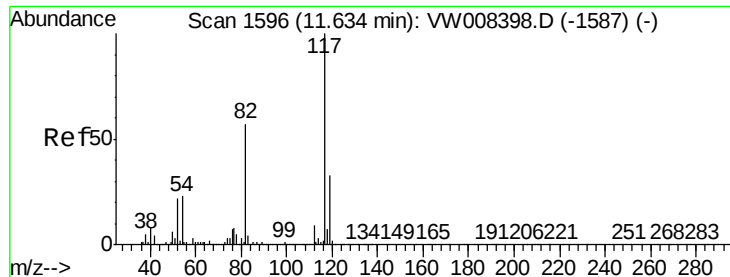
Ion Ratio Lower Upper

95 100

174 83.9 0.0 157.6

176 80.1 0.0 151.8





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.63 min Scan# 1596

Delta R.T. 0.00 min

Lab File: VW008624.D

Acq: 12 Feb 2019 15:51

Instrument :

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ClientSampleId :

JC-02-021119-A

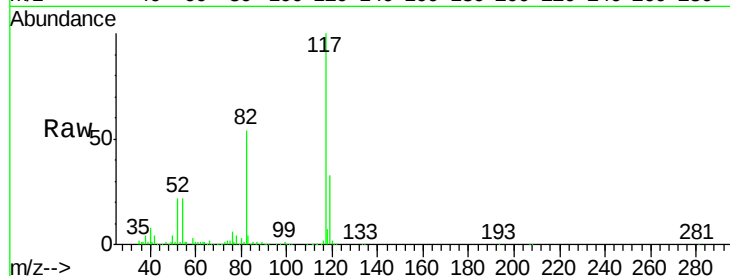
Tot Ion:117 Resp: 533444

Ion Ratio Lower Upper

117 100

82 54.4 45.4 68.0

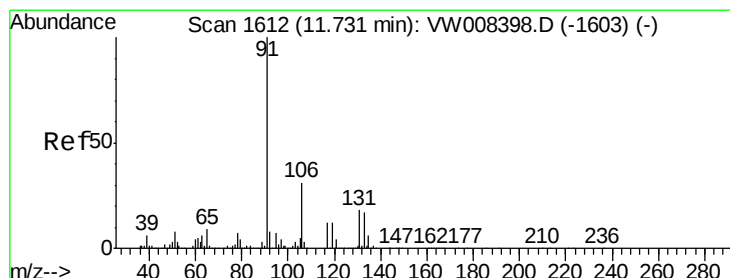
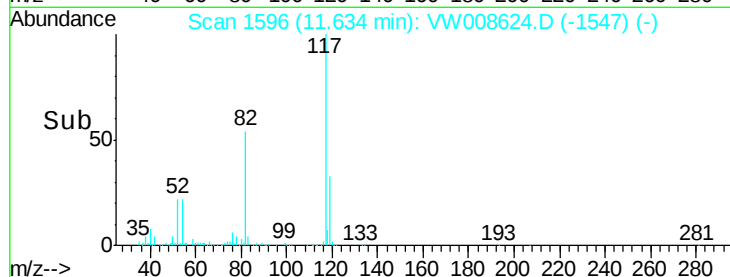
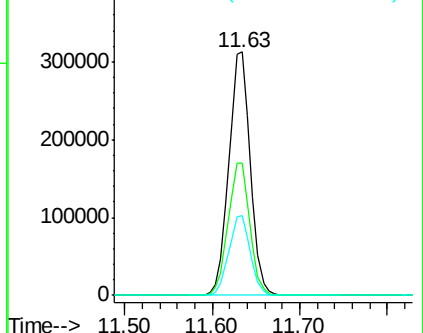
119 32.8 26.2 39.4



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: 1.422 ug/l

RT: 11.73 min Scan# 1612

Delta R.T. 0.00 min

Lab File: VW008624.D

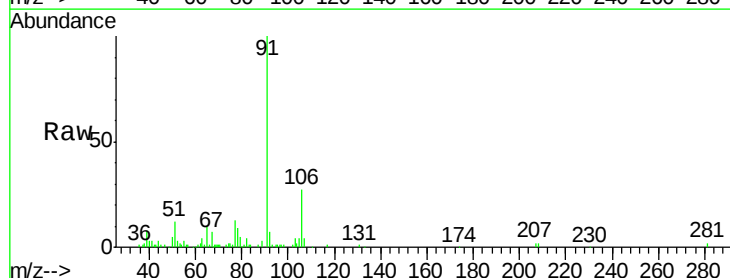
Acq: 12 Feb 2019 15:51

Tgt Ion: 91 Resp: 28470

Ion Ratio Lower Upper

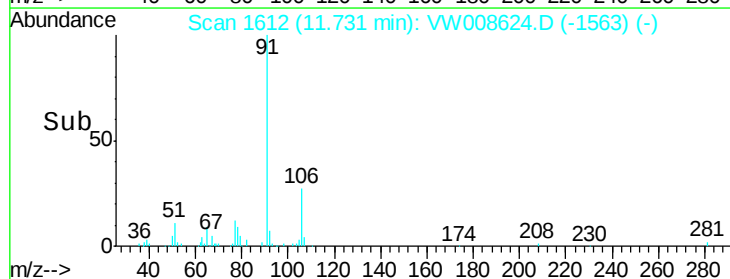
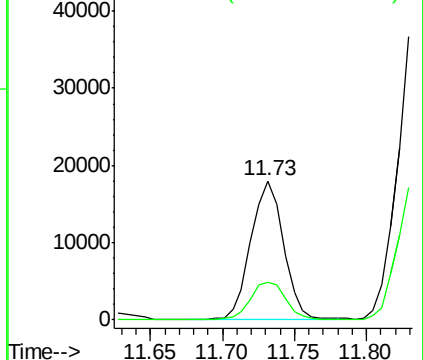
91 100

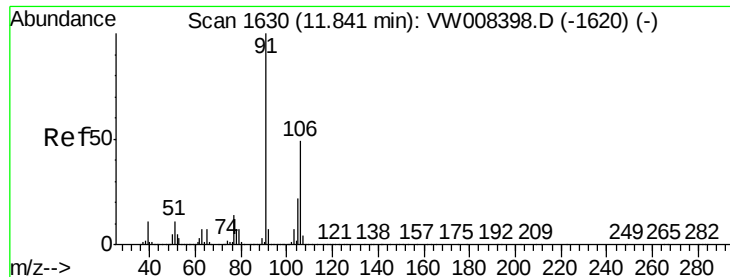
106 27.3 24.7 37.1



Abundance Ion 91.00 (90.70 to 91.70): VW

Ion 106.00 (105.70 to 106.70): V

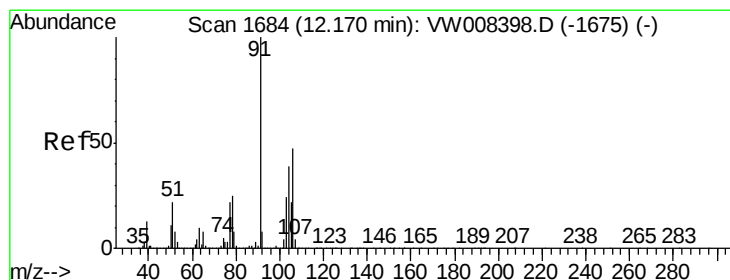
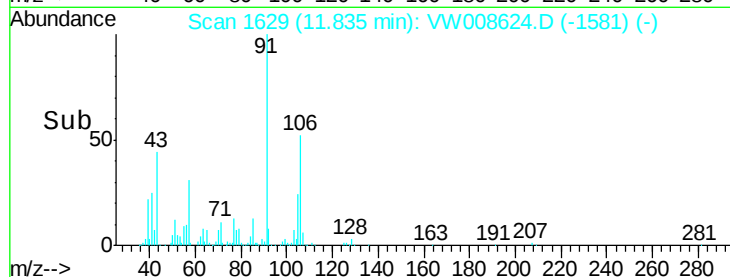
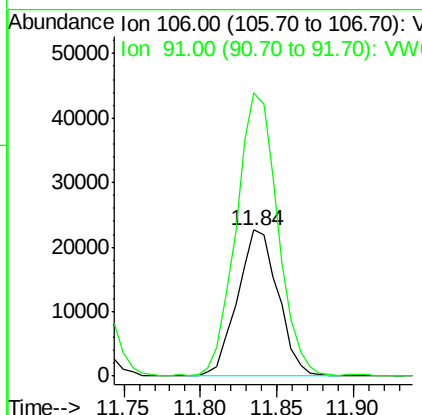
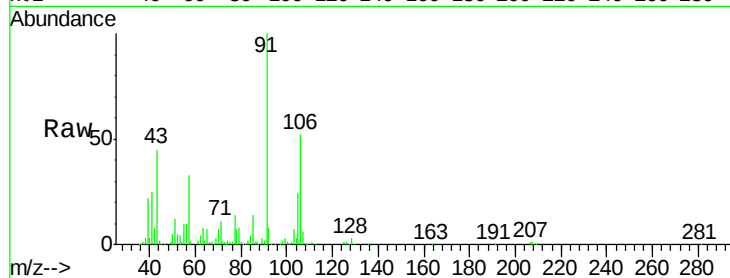




#68
m/p-Xvlenes
Concen: 5.374 ug/l
RT: 11.84 min Scan# 1629
Delta R.T. -0.01 min
Lab File: VW008624.D
Acq: 12 Feb 2019 15:51

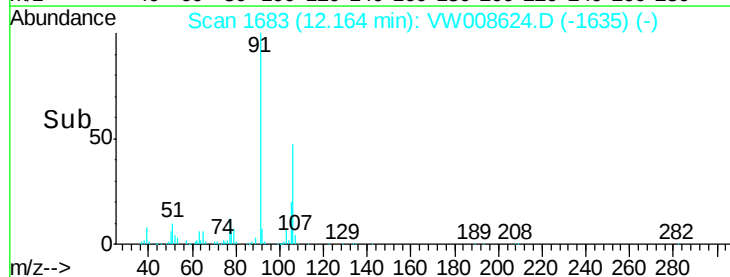
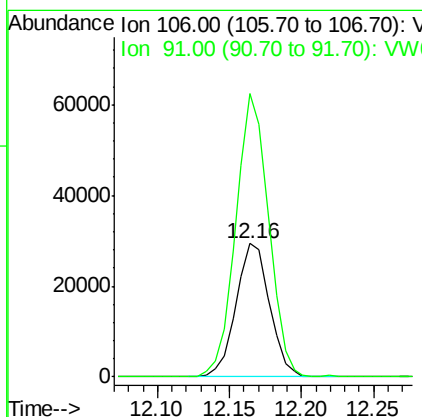
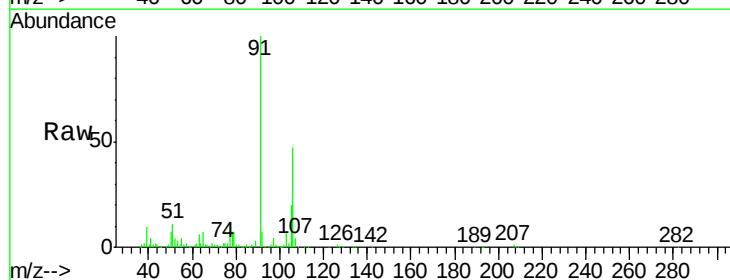
Instrument :
MSVOA_W
ClientSampleId :
JC-02-021119-A

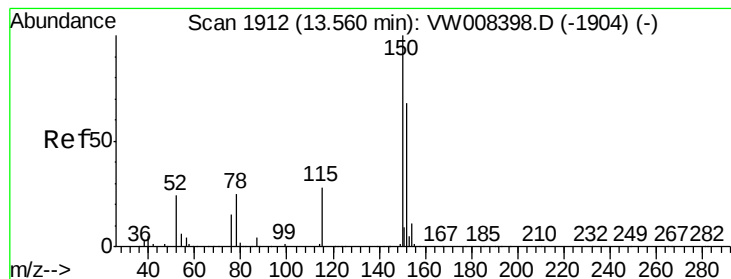
Tot Ion:106 Resp: 41737
Ion Ratio Lower Upper
106 100
91 197.2 162.9 244.3



#69
o-Xylene
Concen: 6.475 ug/l
RT: 12.16 min Scan# 1683
Delta R.T. -0.01 min
Lab File: VW008624.D
Acq: 12 Feb 2019 15:51

Tgt Ion:106 Resp: 47782
Ion Ratio Lower Upper
106 100
91 206.8 107.5 322.4



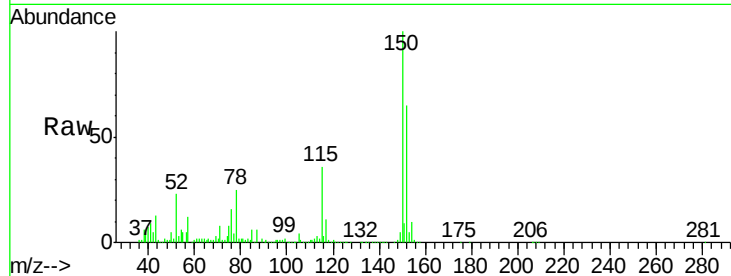


#72

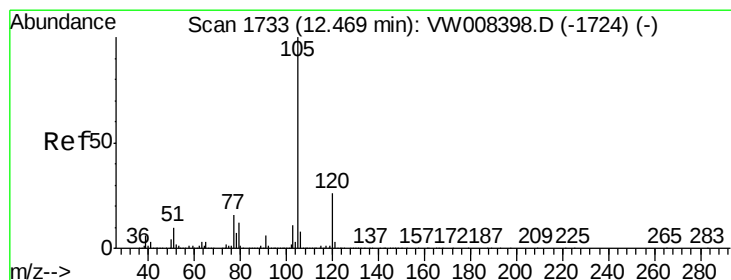
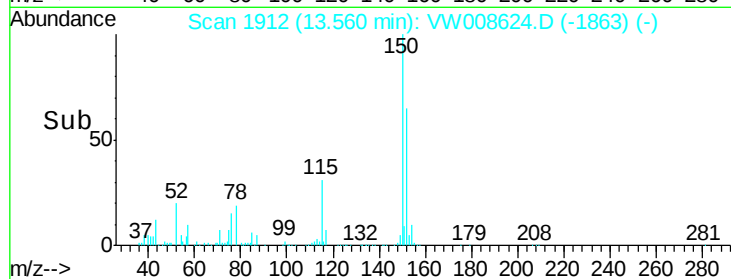
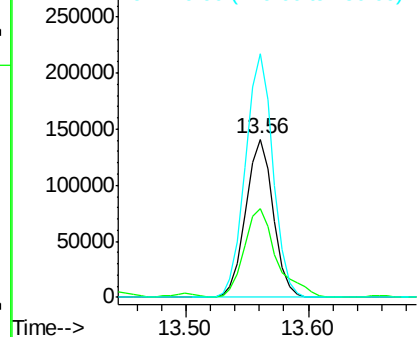
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.56 min Scan# 1912
Delta R.T. 0.00 min
Lab File: VW008624.D
Acq: 12 Feb 2019 15:51

Instrument :
MSVOA_W
ClientSampleId :
JC-02-021119-A

Tot Ion	Ratio	Lower	Upper
152	100		
115	65.9	29.9	89.7
150	155.1	0.0	351.4



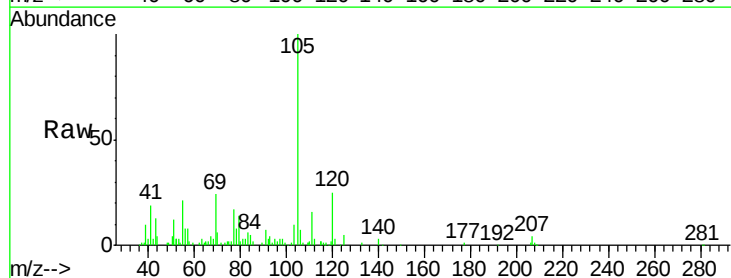
Abundance Ion 151.90 (151.60 to 152.60): V
Ion 114.90 (114.60 to 115.60): V
Ion 149.90 (149.60 to 150.60): V



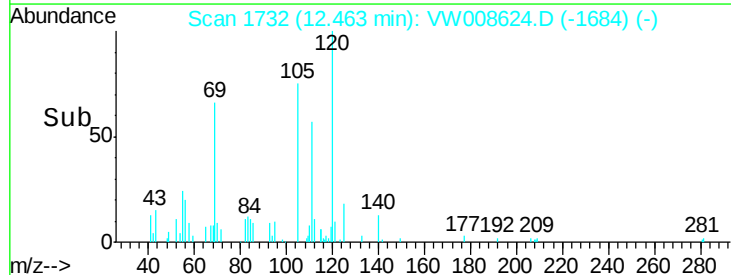
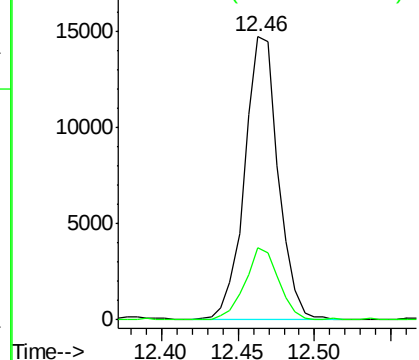
#73

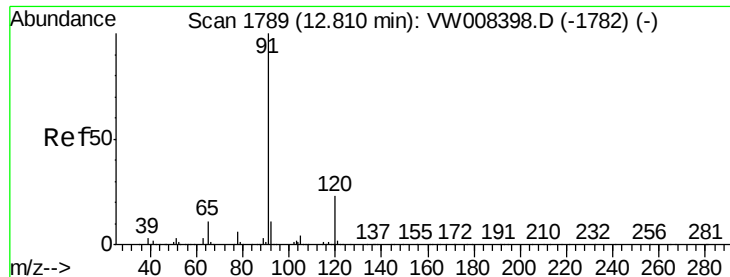
Isopropylbenzene
Concen: 1.381 ug/l
RT: 12.46 min Scan# 1732
Delta R.T. -0.01 min
Lab File: VW008624.D
Acq: 12 Feb 2019 15:51

Tgt Ion	Ratio	Lower	Upper
105	100		
120	25.6	13.3	39.8



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





#78

n-propylbenzene

Concen: 3.899 ug/l

RT: 12.80 min Scan# 1788

Delta R.T. -0.01 min

Lab File: VW008624.D

Acq: 12 Feb 2019 15:51

Instrument :

MSVOA_W

ClientSampleId :

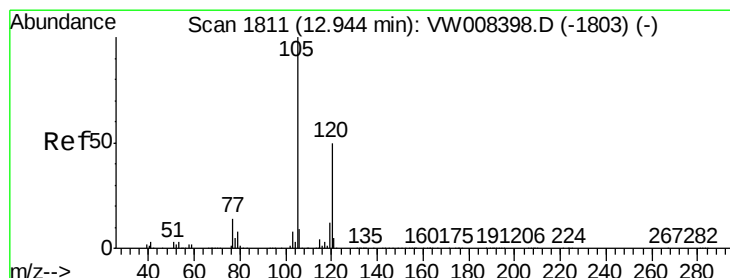
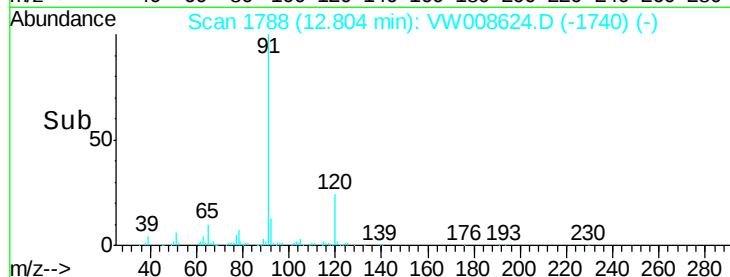
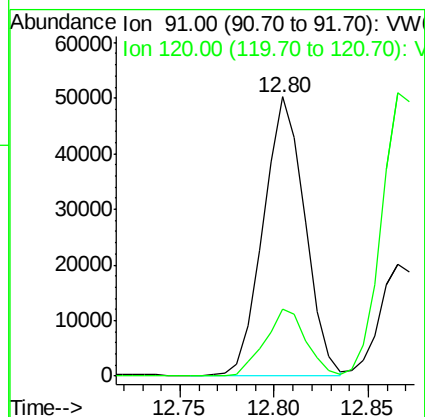
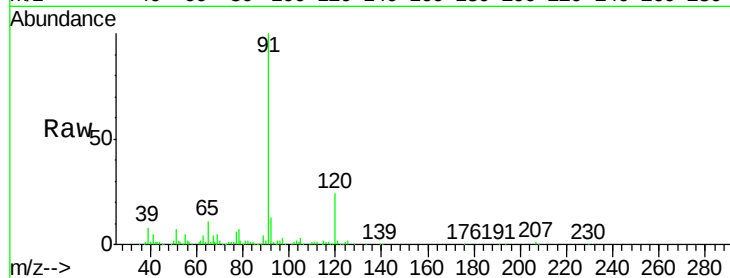
JC-02-021119-A

Tot Ion: 91 Resp: 76340

Ion Ratio Lower Upper

91 100

120 24.1 11.4 34.1



#80

1,3,5-Trimethylbenzene

Concen: 16.162 ug/l

RT: 12.94 min Scan# 1811

Delta R.T. 0.00 min

Lab File: VW008624.D

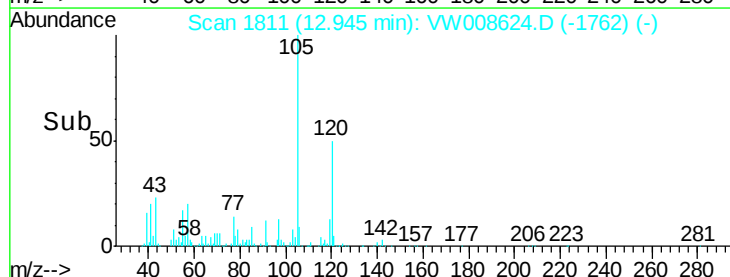
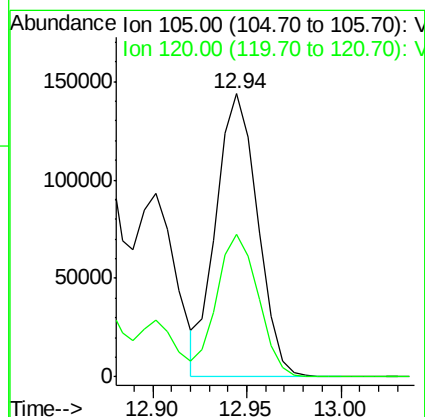
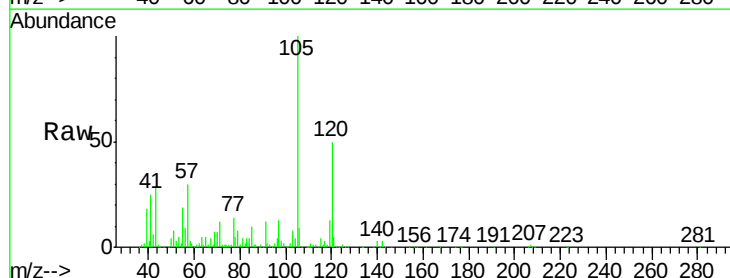
Acq: 12 Feb 2019 15:51

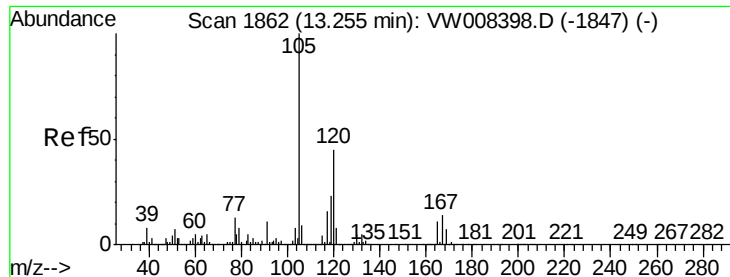
Tgt Ion: 105 Resp: 220233

Ion Ratio Lower Upper

105 100

120 50.3 24.6 73.8





#84

1,2,4-Trimethylbenzene

Concen: 45.041 ug/l

RT: 13.26 min Scan# 1862

Delta R.T. 0.00 min

Lab File: VW008624.D

Acq: 12 Feb 2019 15:51

Instrument :

MSVOA_W

ClientSampleId :

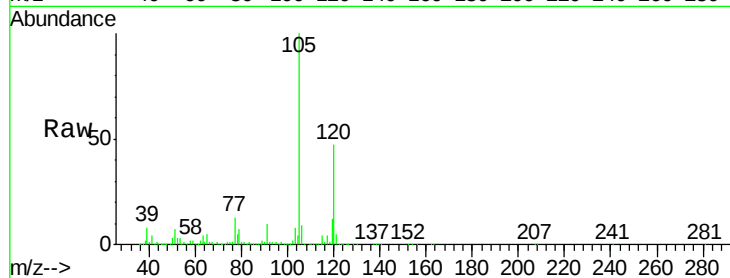
JC-02-021119-A

Tot Ion:105 Resp: 623835

Ion Ratio Lower Upper

105 100

120 46.5 23.1 69.2



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

13.26

400000

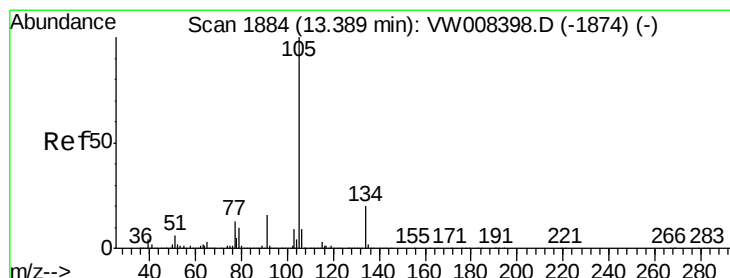
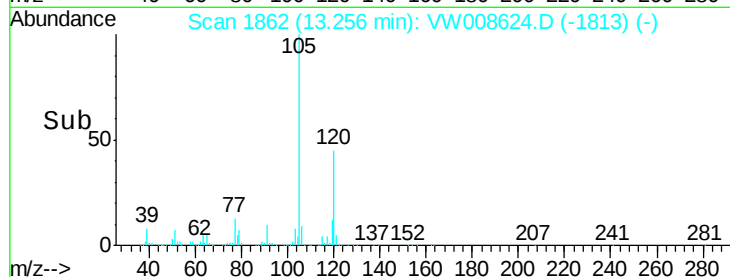
300000

200000

100000

0

Time-->



#85

sec-Butylbenzene

Concen: 3.717 ug/l

RT: 13.38 min Scan# 1883

Delta R.T. -0.01 min

Lab File: VW008624.D

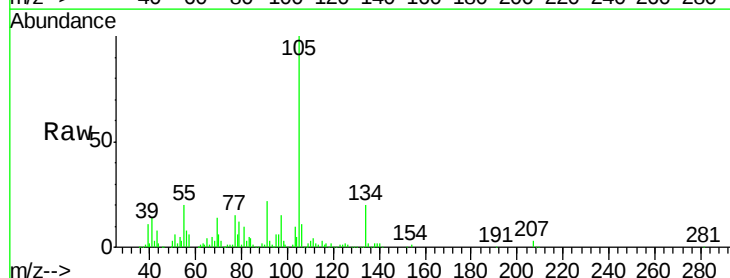
Acq: 12 Feb 2019 15:51

Tgt Ion:105 Resp: 64368

Ion Ratio Lower Upper

105 100

134 27.2 10.2 30.6



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V

13.38

50000

40000

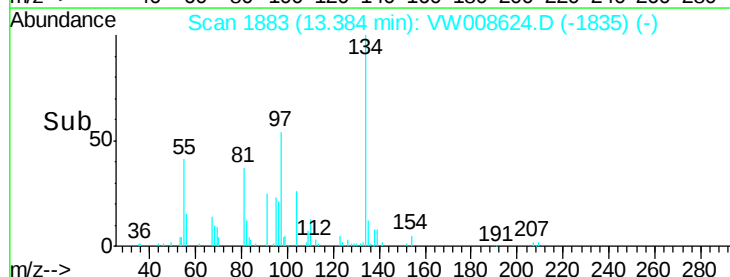
30000

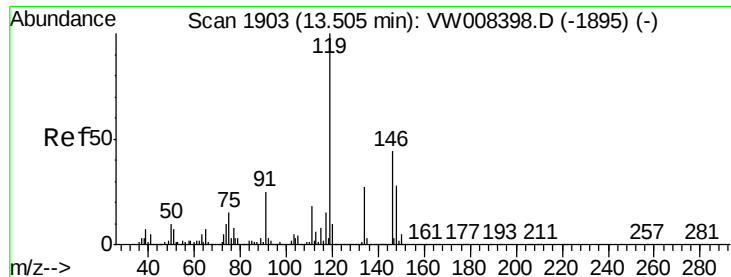
20000

10000

0

Time-->

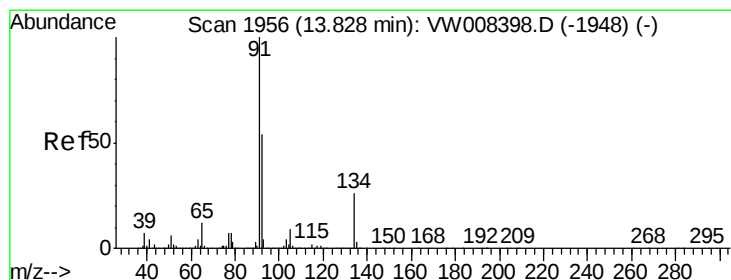
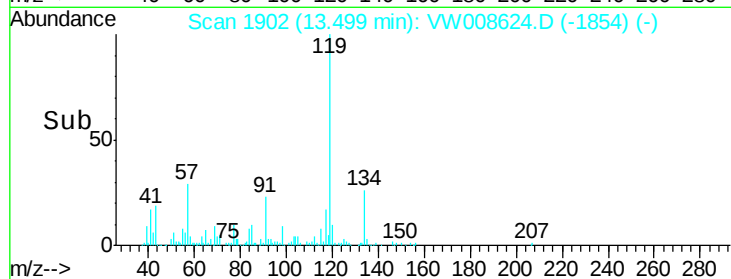
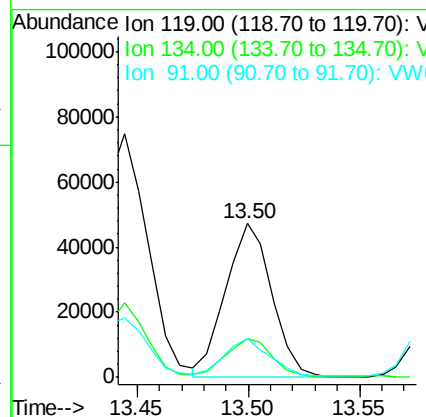
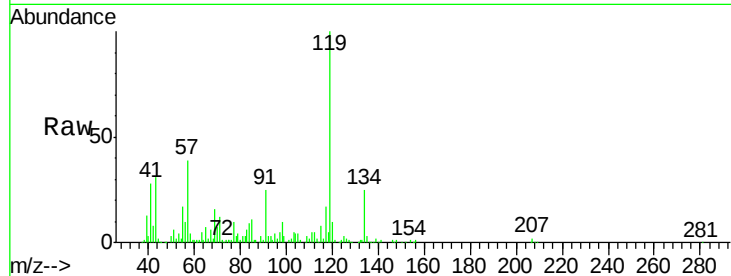




#86
p-Isopropyltoluene
Concen: 4.476 ug/l
RT: 13.50 min Scan# 1902
Delta R.T. -0.01 min
Lab File: VW008624.D
Acq: 12 Feb 2019 15:51

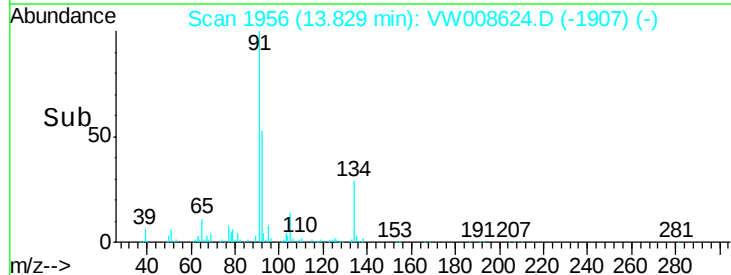
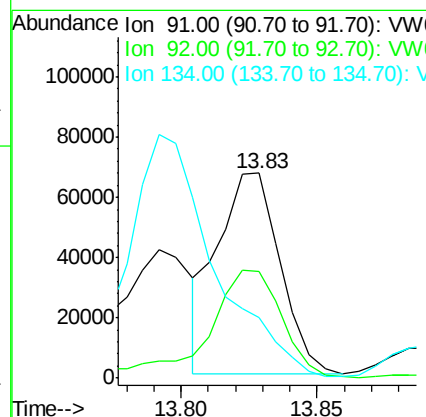
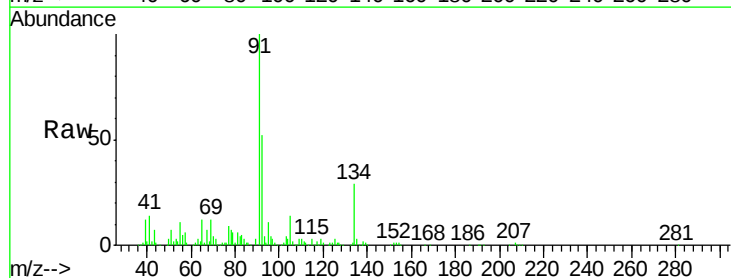
Instrument :
MSVOA_W
ClientSampleId :
JC-02-021119-A

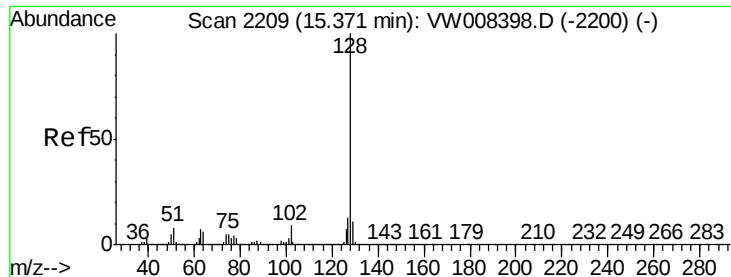
Tot Ion:119 Resp: 67903
Ion Ratio Lower Upper
119 100
134 24.9 13.4 40.2
91 23.0 12.6 37.6



#89
n-Butylbenzene
Concen: 7.066 ug/l
RT: 13.83 min Scan# 1956
Delta R.T. 0.00 min
Lab File: VW008624.D
Acq: 12 Feb 2019 15:51

Tgt Ion: 91 Resp: 105240
Ion Ratio Lower Upper
91 100
92 61.1 27.4 82.2
134 0.0 13.0 39.0#





#95

Naphthalene

Concen: 20.988 ug/l

RT: 15.37 min Scan# 2209

Delta R.T. 0.00 min

Lab File: VW008624.D

Acq: 12 Feb 2019 15:51

Instrument :

MSVOA_W

ClientSampleId :

JC-02-021119-A

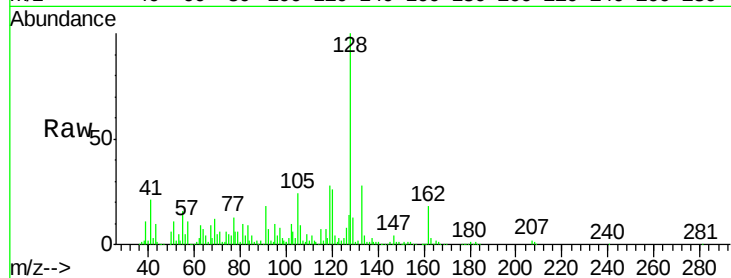
Tot Ion:128 Resp: 167316

Ion Ratio Lower Upper

128 100

127 16.3 10.6 15.8#

129 9.3 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

