

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW030519\
 Data File : VW008978.D
 Acq On : 04 Mar 2019 23:43
 Operator : SY/VA
 Sample : K1688-11
 Misc : 7.14G/5ML/MSVOA W/SOIL
 ALS Vial : 16 Sample Multiplier: 1

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

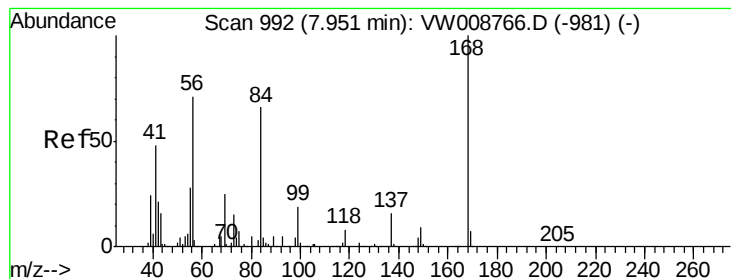
Quant Time: Mar 05 07:30:25 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W022119S.M
 Quant Title : SW846 8260
 QLast Update : Fri Feb 22 00:38:32 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	161349	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	245764	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	201759	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	74046	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	95798	63.30	ug/l	0.00
Spiked Amount			Recovery	=	126.60%	
35) Dibromofluoromethane	7.88	113	76043	51.53	ug/l	0.00
Spiked Amount			Recovery	=	103.06%	
50) Toluene-d8	10.32	98	279606	49.09	ug/l	0.00
Spiked Amount			Recovery	=	98.18%	
62) 4-Bromofluorobenzene	12.62	95	84070	37.69	ug/l	0.00
Spiked Amount			Recovery	=	75.38%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
16) Acetone	4.13	43	30232	86.187	ug/l	94
39) Methylcyclohexane	9.33	83	3369	1.129	ug/l	95
40) Benzene	8.32	78	19048	2.916	ug/l	98
52) Toluene	10.39	92	39923	9.006	ug/l	97
67) Ethyl Benzene	11.73	91	32732	4.316	ug/l	98
68) m/p-Xylenes	11.83	106	28153	9.291	ug/l	100
69) o-Xylene	12.16	106	32128	11.296	ug/l	94
73) Isopropylbenzene	12.46	105	14624	2.881	ug/l	96
78) n-propylbenzene	12.80	91	46749	7.529	ug/l	100
80) 1,3,5-Trimethylbenzene	12.94	105	72409	16.415	ug/l	96
84) 1,2,4-Trimethylbenzene	13.26	105	185215	40.560	ug/l	99
85) sec-Butylbenzene	13.39	105	25453	4.641	ug/l	85
86) p-Isopropyltoluene	13.50	119	20598	4.097	ug/l	97
89) n-Butylbenzene	13.83	91	35875	7.616	ug/l #	79
95) Naphthalene	15.37	128	27193	9.996	ug/l	96

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.95 min Scan# 992

Delta R.T. 0.00 min

Lab File: VW008978.D

Acq: 04 Mar 2019 23:43

Instrument :

MSVOA_W

ClientSampleId :

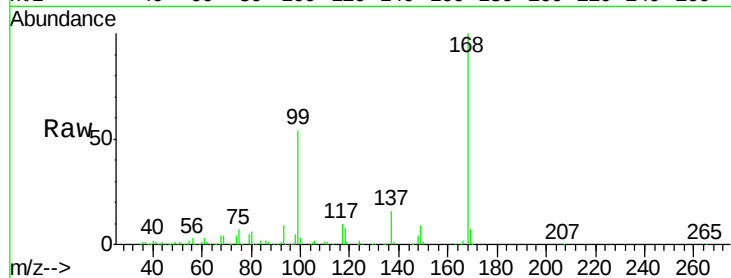
JC-03-030119-F

Tot Ion:168 Resp: 161349

Ion Ratio Lower Upper

168 100

99 54.3 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

80000

60000

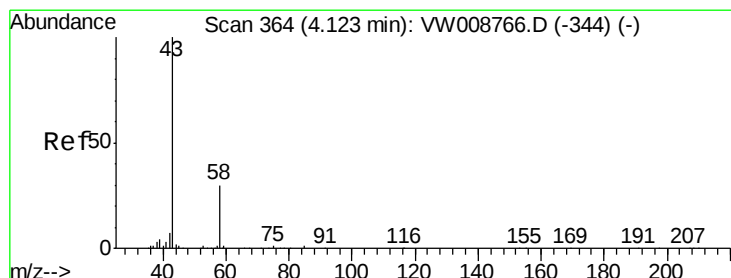
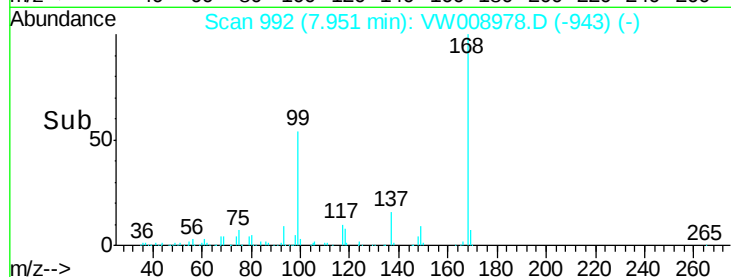
40000

20000

0

7.85 7.90 7.95 8.00 8.05

Time-->



#16

Acetone

Concen: 86.187 ug/l

RT: 4.13 min Scan# 365

Delta R.T. 0.01 min

Lab File: VW008978.D

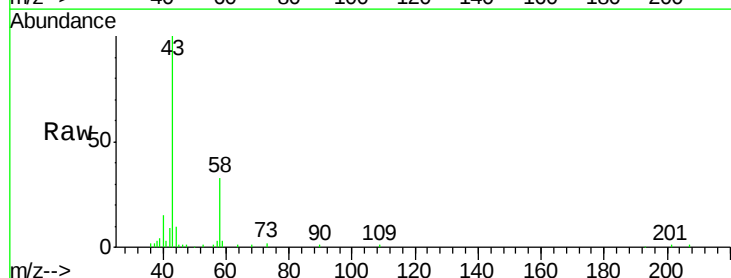
Acq: 04 Mar 2019 23:43

Tgt Ion: 43 Resp: 30232

Ion Ratio Lower Upper

43 100

58 32.8 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

12000

10000

8000

6000

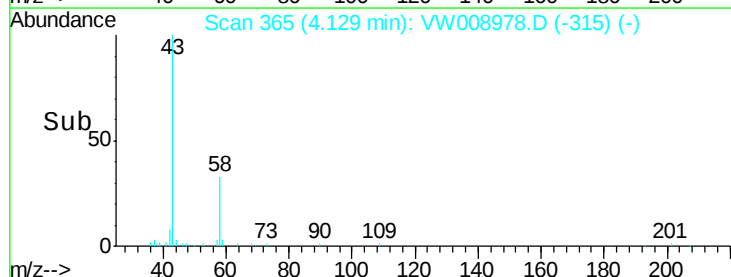
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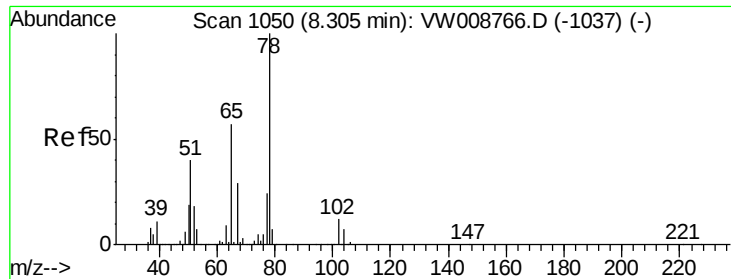
2000

0

4.00 4.05 4.10 4.15 4.20

Time-->

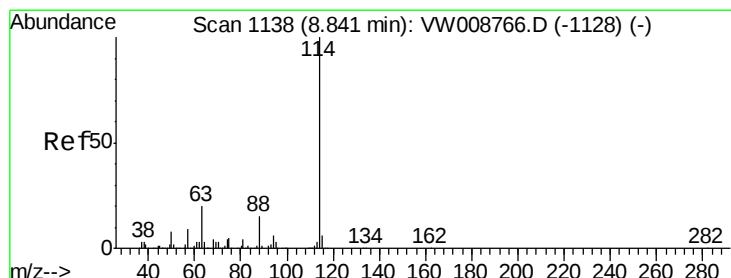
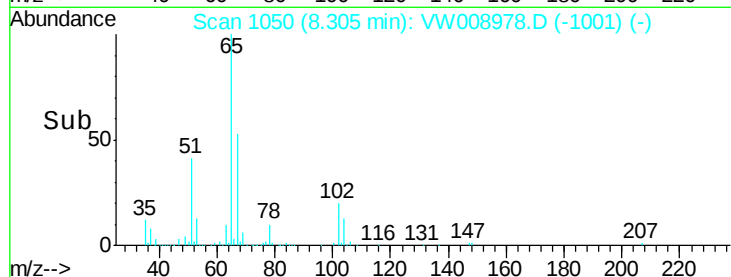
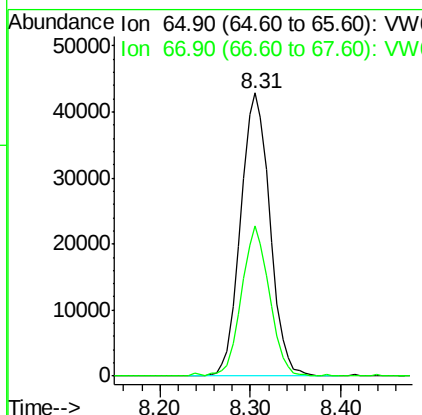
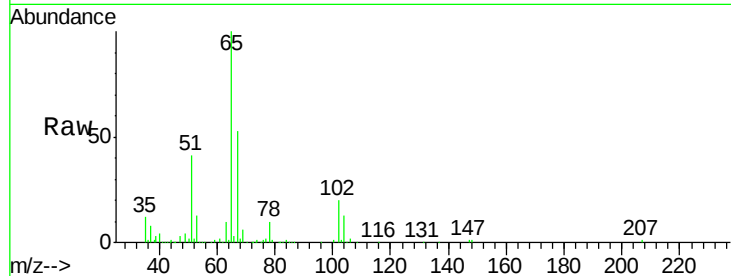




#33
 1,2-Dichloroethane-d4
 Concen: 63.304 ug/l
 RT: 8.31 min Scan# 1050
 Delta R.T. 0.00 min
 Lab File: VW008978.D
 Acq: 04 Mar 2019 23:43

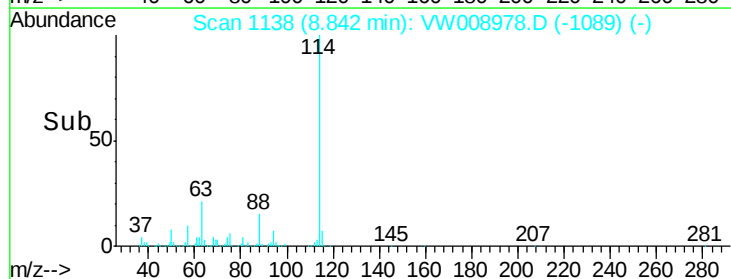
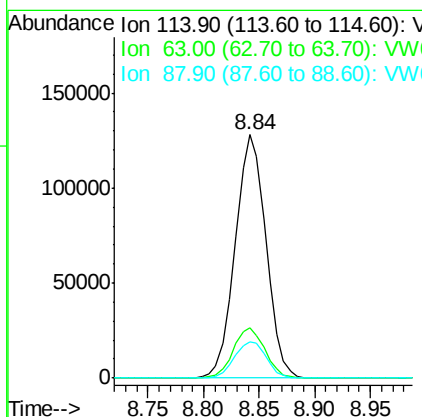
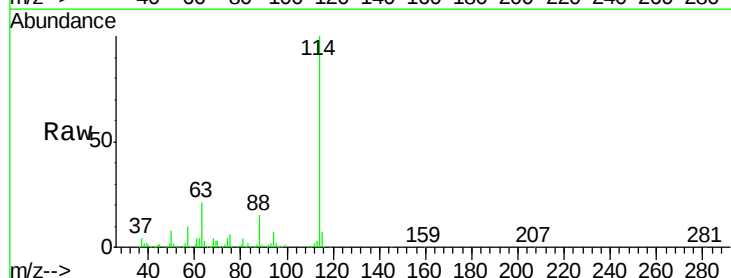
Instrument :
 MSVOA_W
 ClientSampleId :
 JC-03-030119-F

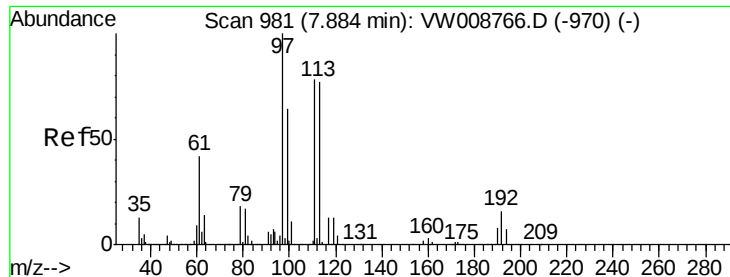
Tot Ion: 65 Resp: 95798
 Ion Ratio Lower Upper
 65 100
 67 50.7 0.0 101.4



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.84 min Scan# 1138
 Delta R.T. 0.00 min
 Lab File: VW008978.D
 Acq: 04 Mar 2019 23:43

Tgt Ion: 114 Resp: 245764
 Ion Ratio Lower Upper
 114 100
 63 20.7 0.0 40.8
 88 15.0 0.0 30.4

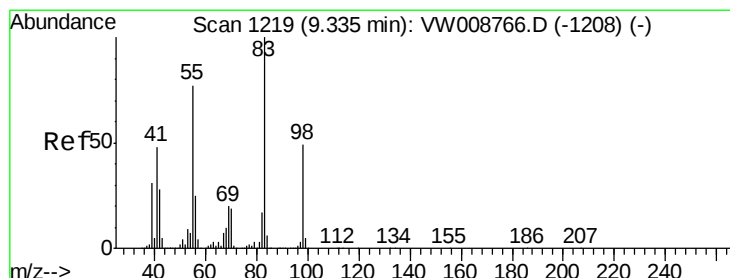
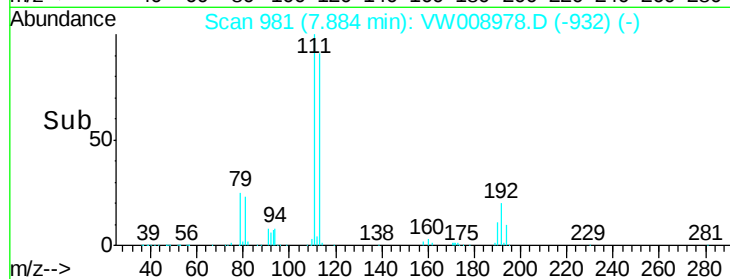
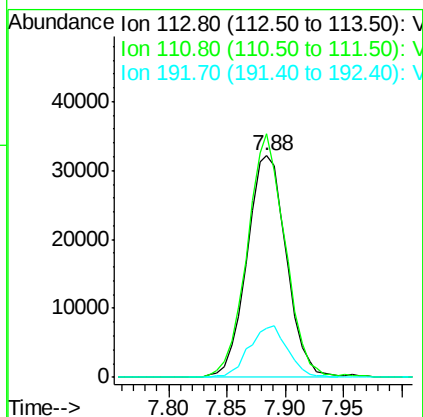
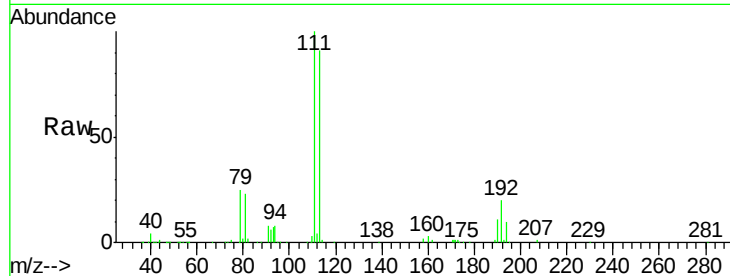




#35
 Dibromofluoromethane
 Concen: 51.534 ug/l
 RT: 7.88 min Scan# 981
 Delta R.T. 0.00 min
 Lab File: VW008978.D
 Acq: 04 Mar 2019 23:43

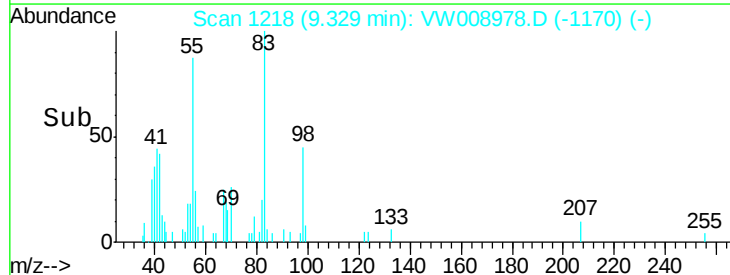
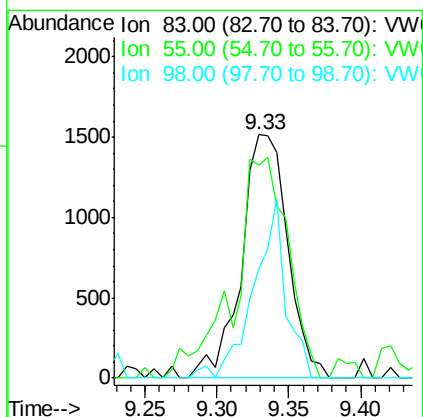
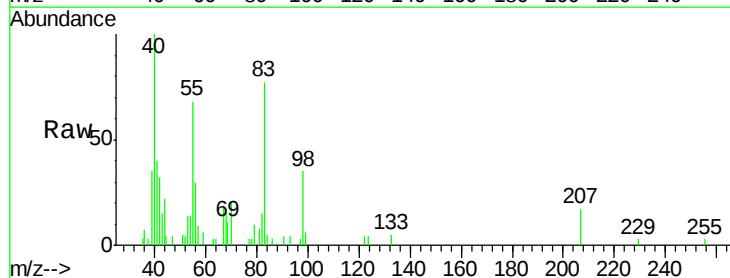
Instrument :
 MSVOA_W
 ClientSampleId :
 JC-03-030119-F

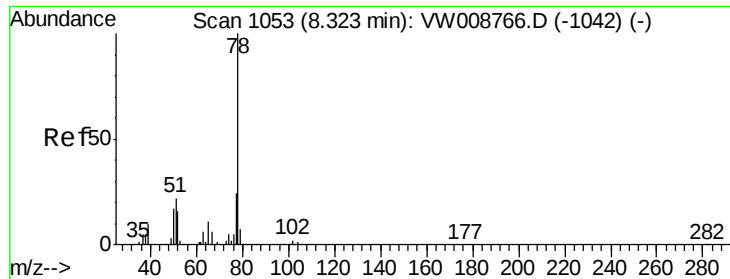
Tot Ion:113 Resp: 76043
 Ion Ratio Lower Upper
 113 100
 111 105.8 81.9 122.9
 192 22.8 17.1 25.7



#39
 Methylcyclohexane
 Concen: 1.129 ug/l
 RT: 9.33 min Scan# 1218
 Delta R.T. -0.01 min
 Lab File: VW008978.D
 Acq: 04 Mar 2019 23:43

Tgt Ion: 83 Resp: 3369
 Ion Ratio Lower Upper
 83 100
 55 79.4 61.2 91.8
 98 44.9 39.4 59.2





#40

Benzene

Concen: 2.916 ug/l

RT: 8.32 min Scan# 1053

Delta R.T. 0.00 min

Lab File: VW008978.D

Acq: 04 Mar 2019 23:43

Instrument :

MSVOA_W

ClientSampleId :

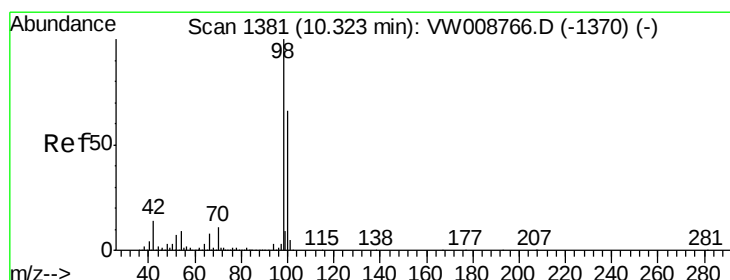
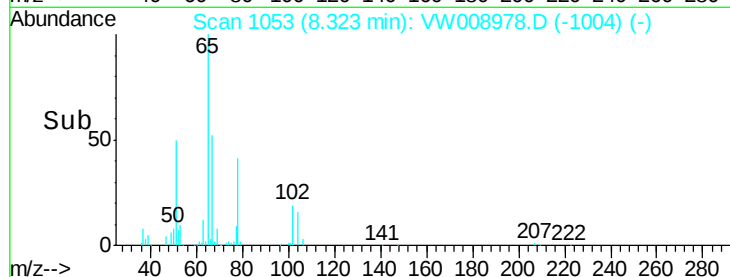
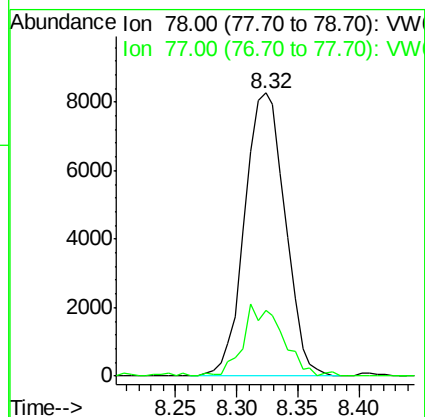
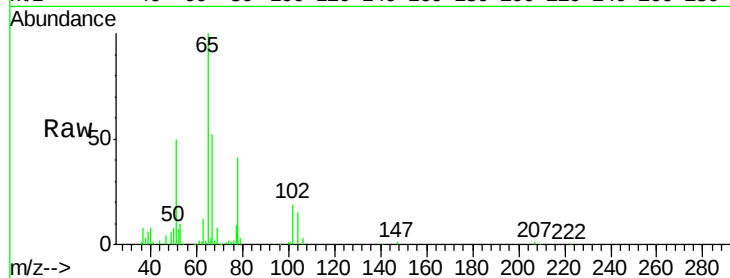
JC-03-030119-F

Tot Ion: 78 Resp: 19048

Ion Ratio Lower Upper

78 100

77 23.2 19.3 28.9



#50

Toluene-d8

Concen: 49.086 ug/l

RT: 10.32 min Scan# 1381

Delta R.T. 0.00 min

Lab File: VW008978.D

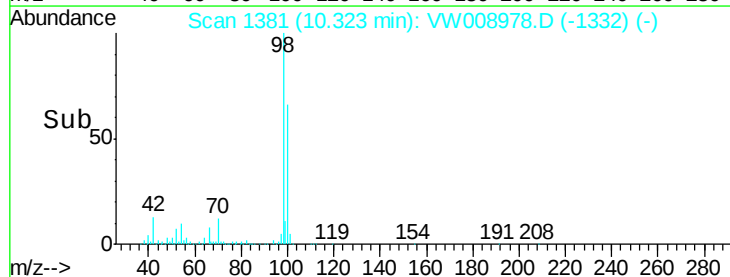
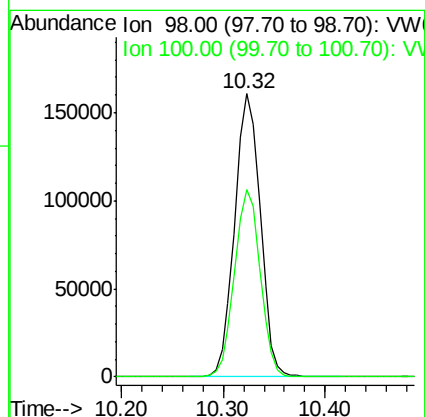
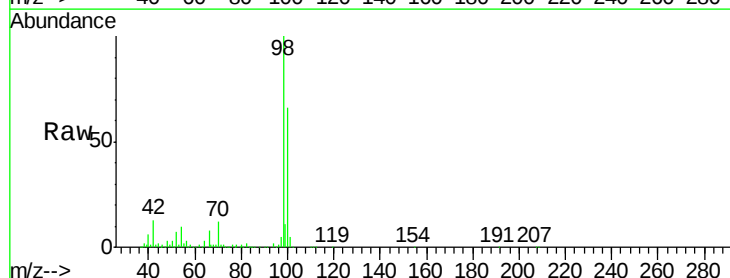
Acq: 04 Mar 2019 23:43

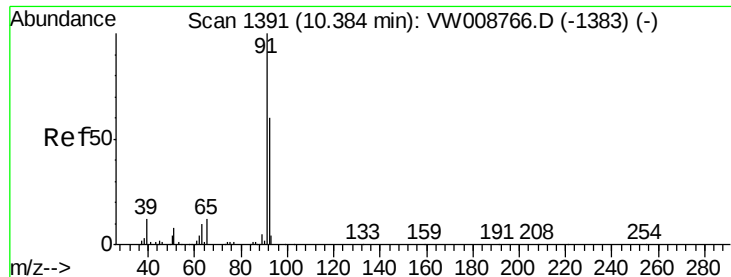
Tgt Ion: 98 Resp: 279606

Ion Ratio Lower Upper

98 100

100 66.1 52.4 78.6





#52

Toluene

Concen: 9.006 ug/l

RT: 10.39 min Scan# 1392

Delta R.T. 0.01 min

Lab File: VW008978.D

Acq: 04 Mar 2019 23:43

Instrument :

MSVOA_W

ClientSampleId :

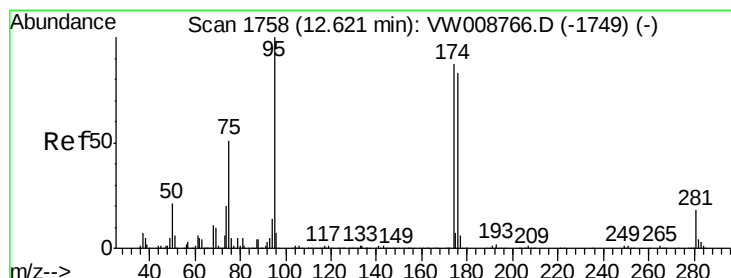
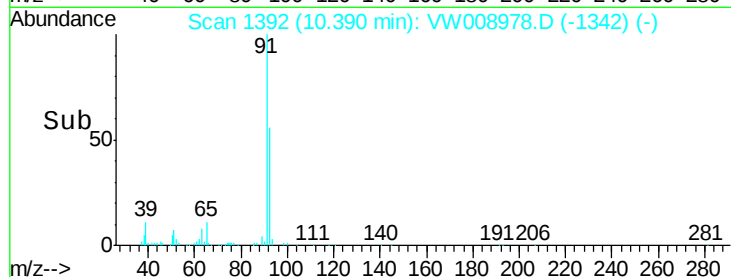
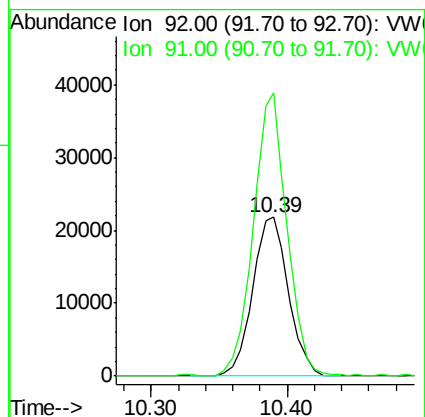
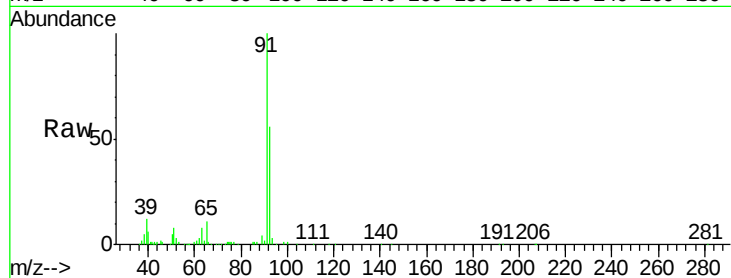
JC-03-030119-F

Tot Ion: 92 Resp: 39923

Ion Ratio Lower Upper

92 100

91 167.1 136.9 205.3



#62

4-Bromofluorobenzene

Concen: 37.694 ug/l

RT: 12.62 min Scan# 1758

Delta R.T. 0.00 min

Lab File: VW008978.D

Acq: 04 Mar 2019 23:43

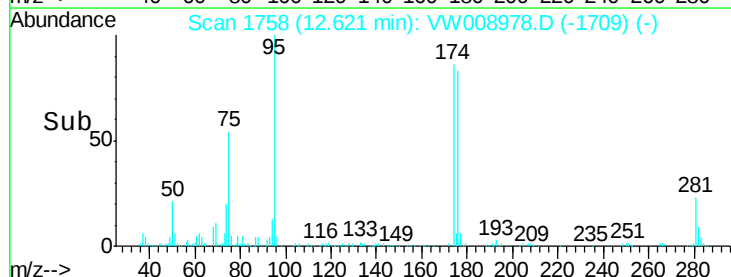
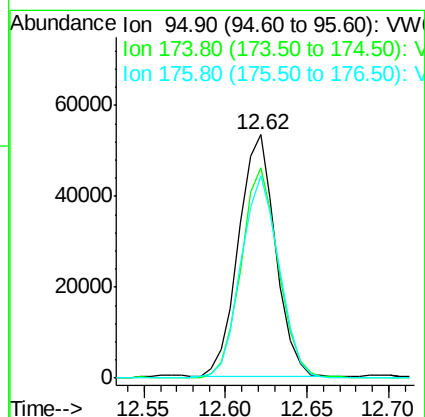
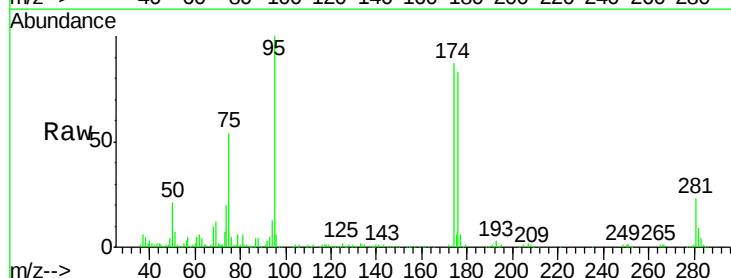
Tgt Ion: 95 Resp: 84070

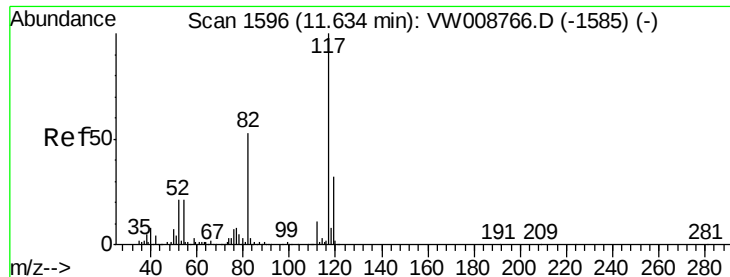
Ion Ratio Lower Upper

95 100

174 88.4 0.0 169.2

176 86.5 0.0 163.6

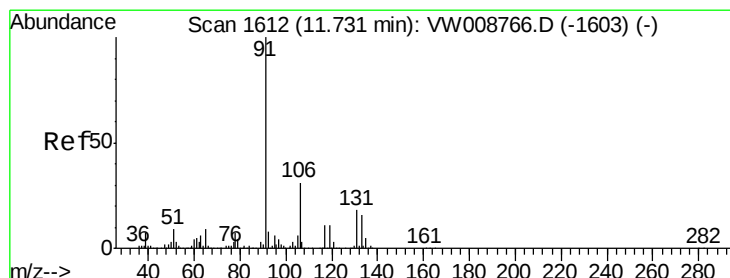
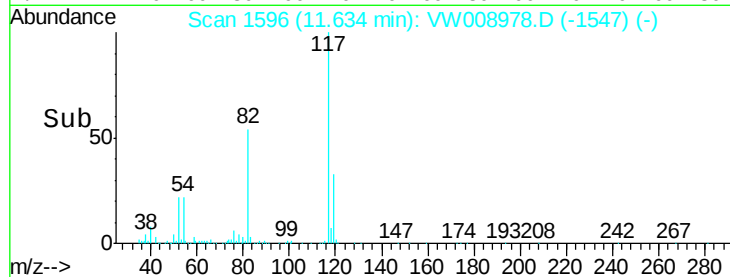
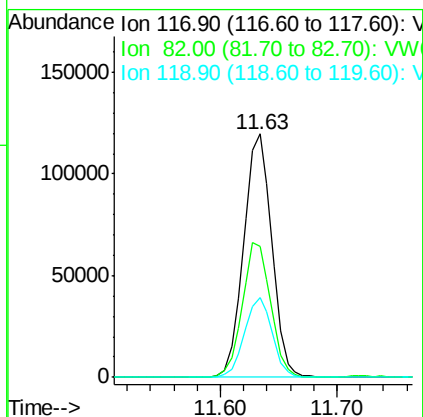
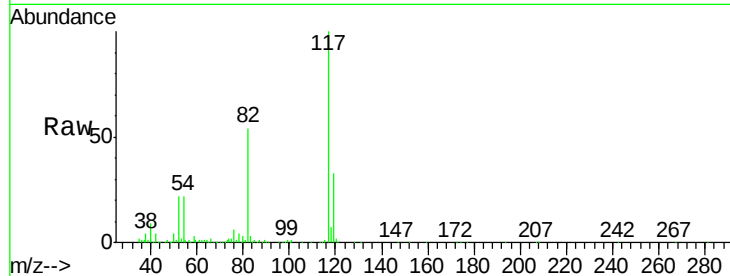




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1596
Delta R.T. 0.00 min
Lab File: VW008978.D
Acq: 04 Mar 2019 23:43

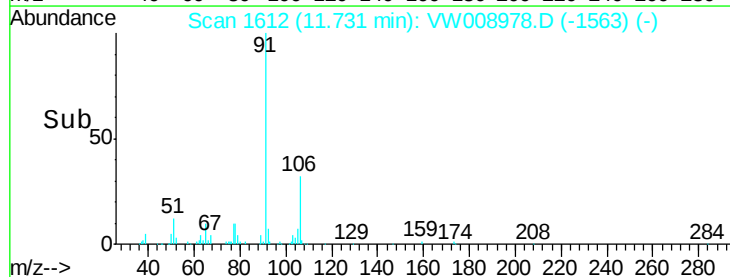
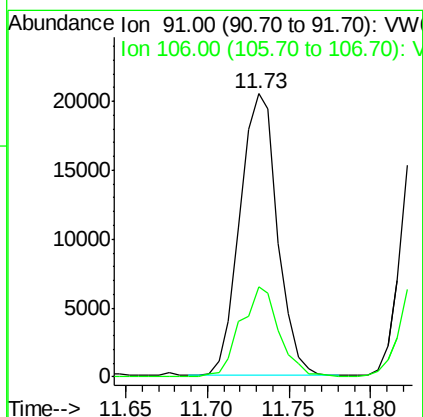
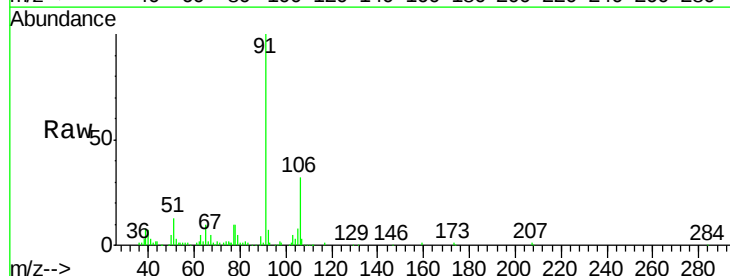
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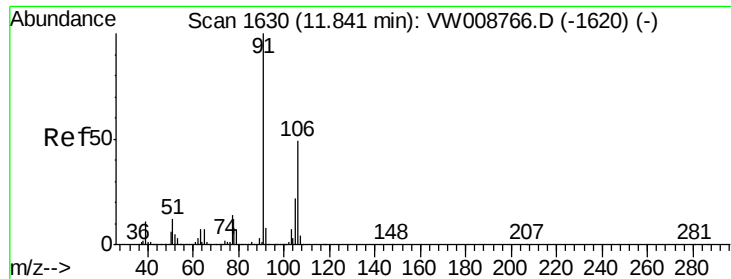
Tot Ion:117 Resp: 201759
Ion Ratio Lower Upper
117 100
82 53.5 42.2 63.4
119 32.5 25.9 38.9



#67
Ethyl Benzene
Concen: 4.316 ug/l
RT: 11.73 min Scan# 1612
Delta R.T. 0.00 min
Lab File: VW008978.D
Acq: 04 Mar 2019 23:43

Tgt Ion: 91 Resp: 32732
Ion Ratio Lower Upper
91 100
106 32.2 25.0 37.6





#68

m/p-Xylenes

Concen: 9.291 ug/l

RT: 11.83 min Scan# 1629

Delta R.T. -0.01 min

Lab File: VW008978.D

Acq: 04 Mar 2019 23:43

Instrument :

MSVOA_W

ClientSampleId :

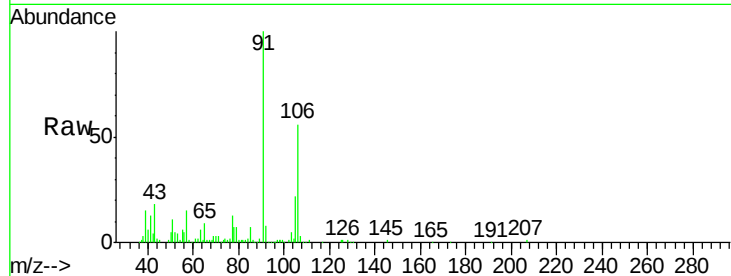
JC-03-030119-F

Tot Ion:106 Resp: 28153

Ion Ratio Lower Upper

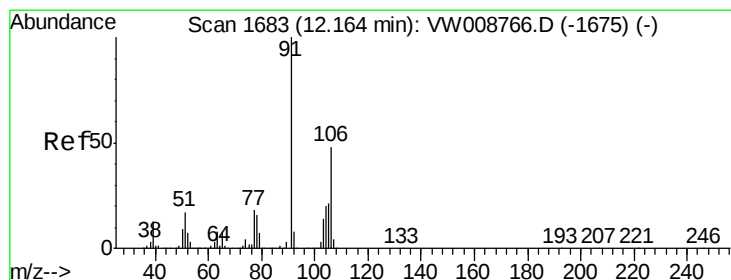
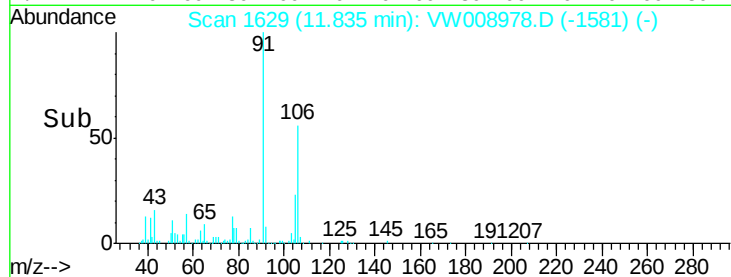
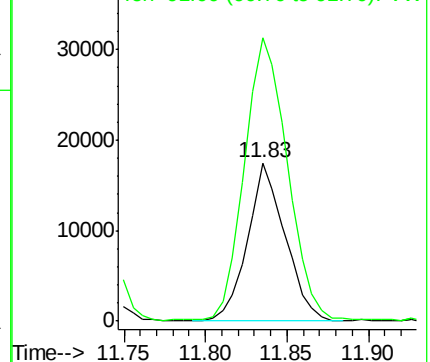
106 100

91 202.1 161.5 242.3



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VW



#69

o-Xylene

Concen: 11.296 ug/l

RT: 12.16 min Scan# 1683

Delta R.T. 0.00 min

Lab File: VW008978.D

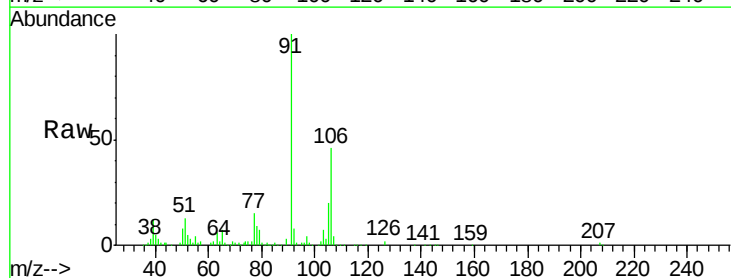
Acq: 04 Mar 2019 23:43

Tgt Ion:106 Resp: 32128

Ion Ratio Lower Upper

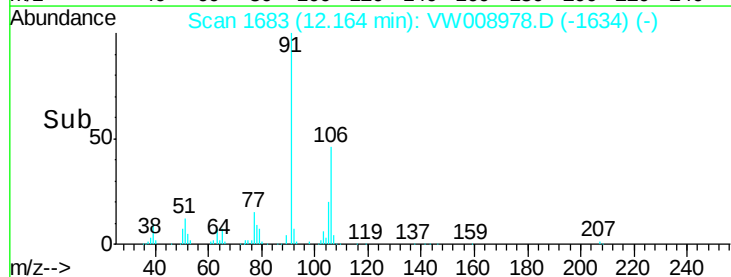
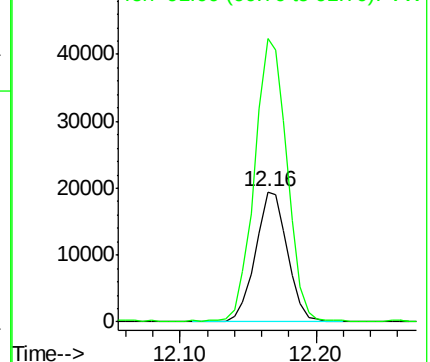
106 100

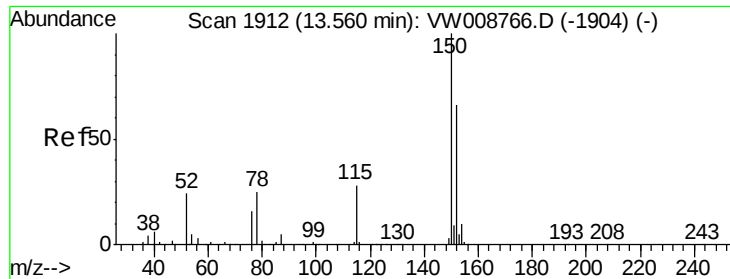
91 221.8 106.2 318.6



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VW





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.56 min Scan# 1912

Delta R.T. 0.00 min

Lab File: VW008978.D

Acq: 04 Mar 2019 23:43

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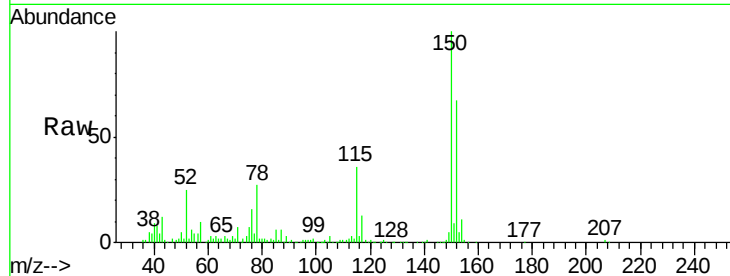
Tot Ion:152 Resp: 74046

Ion Ratio Lower Upper

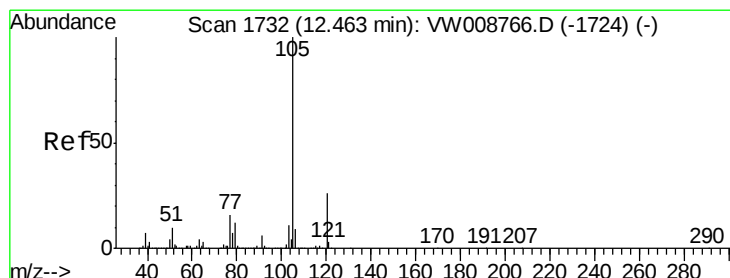
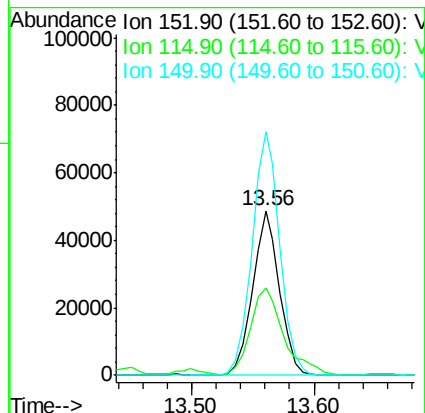
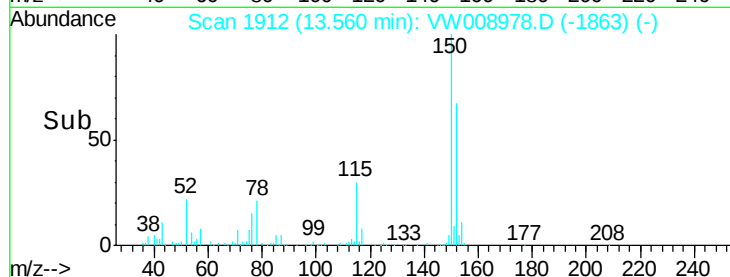
152 100

115 64.9 28.6 85.8

150 152.6 0.0 348.0



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: 2.881 ug/l

RT: 12.46 min Scan# 1732

Delta R.T. 0.00 min

Lab File: VW008978.D

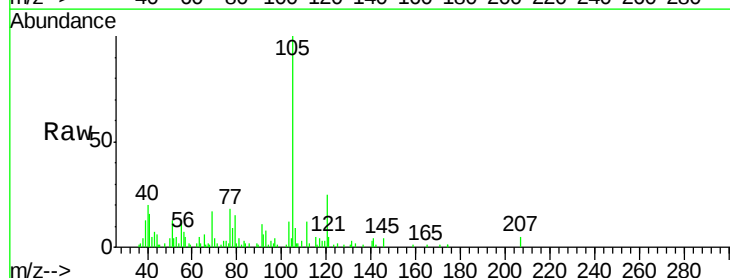
Acq: 04 Mar 2019 23:43

Tgt Ion:105 Resp: 14624

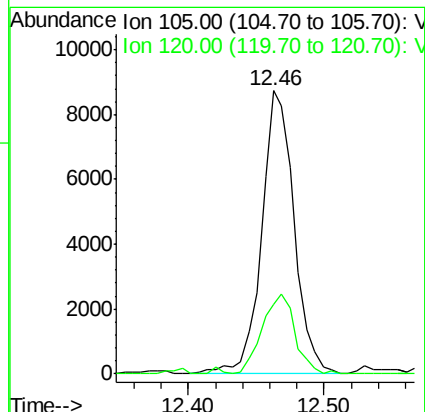
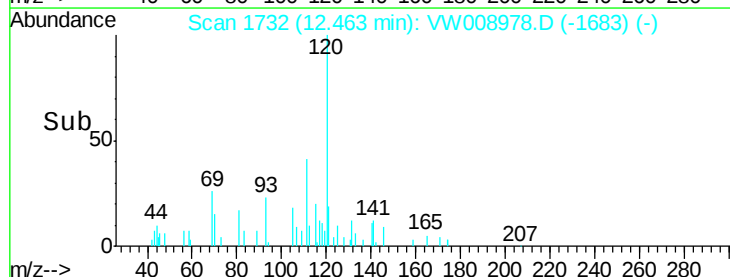
Ion Ratio Lower Upper

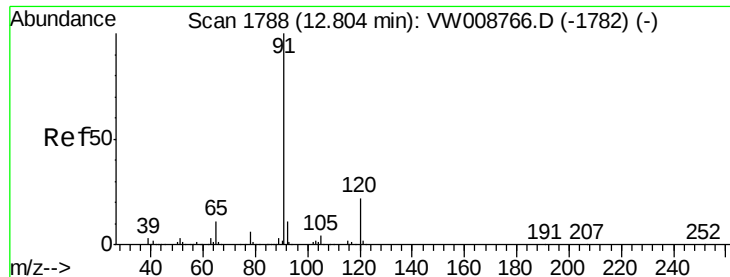
105 100

120 28.5 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: 7.529 ug/l

RT: 12.80 min Scan# 1788

Delta R.T. 0.00 min

Lab File: VW008978.D

Acq: 04 Mar 2019 23:43

Instrument :

MSVOA_W

ClientSampleId :

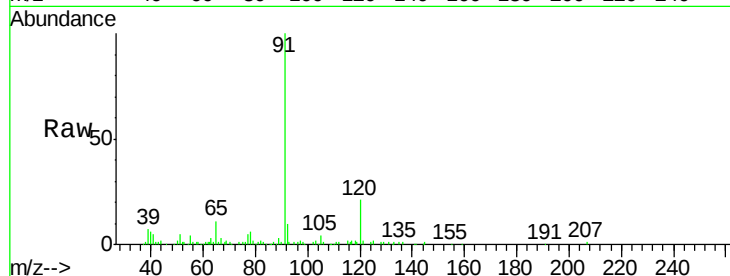
JC-03-030119-F

Tot Ion: 91 Resp: 46749

Ion Ratio Lower Upper

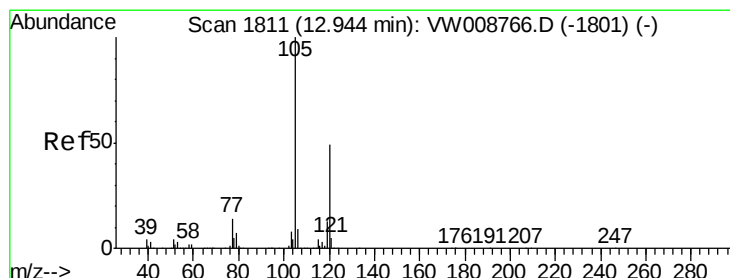
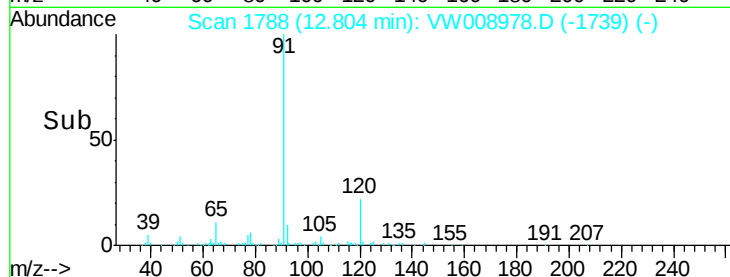
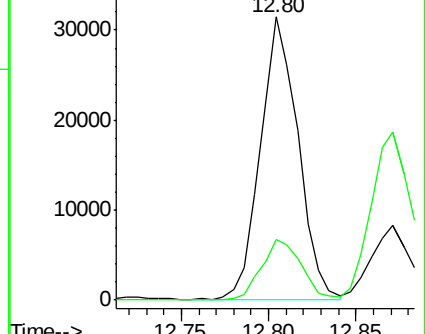
91 100

120 23.1 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: 16.415 ug/l

RT: 12.94 min Scan# 1811

Delta R.T. 0.00 min

Lab File: VW008978.D

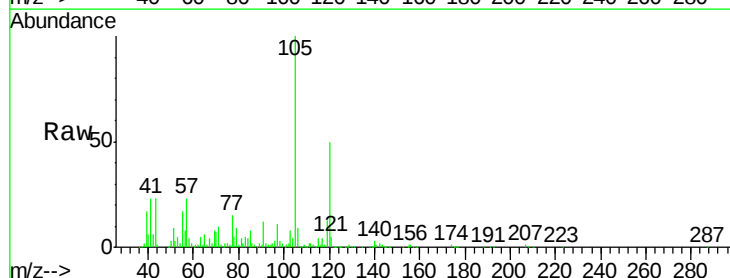
Acq: 04 Mar 2019 23:43

Tgt Ion: 105 Resp: 72409

Ion Ratio Lower Upper

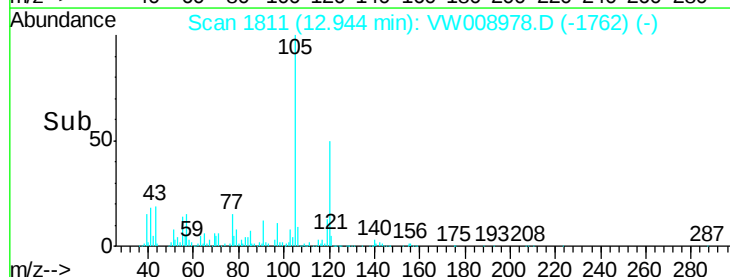
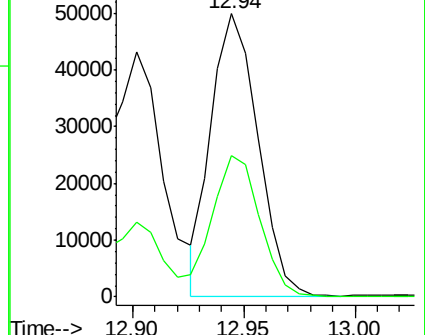
105 100

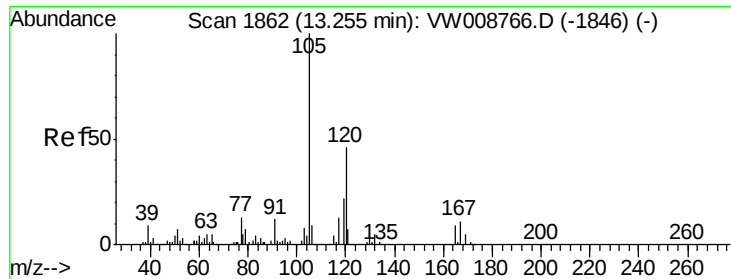
120 52.4 24.8 74.4



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

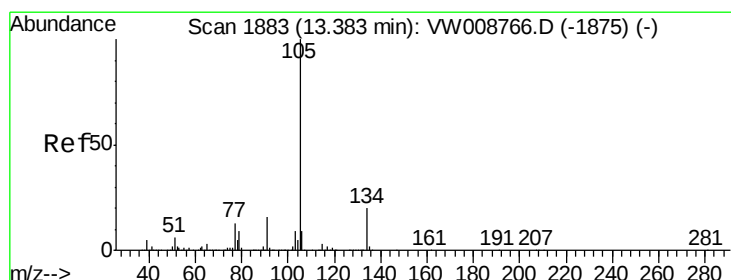
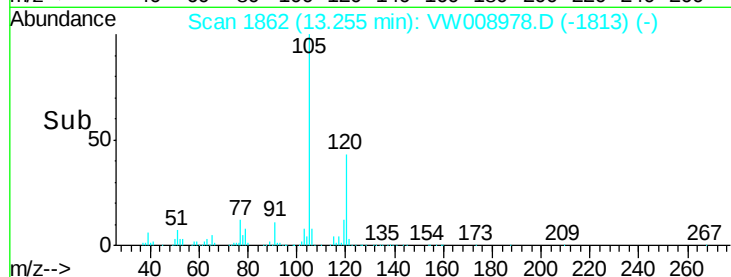
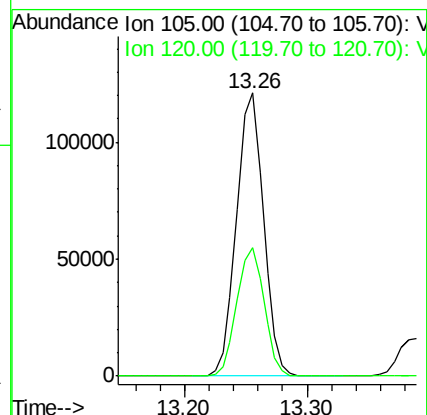
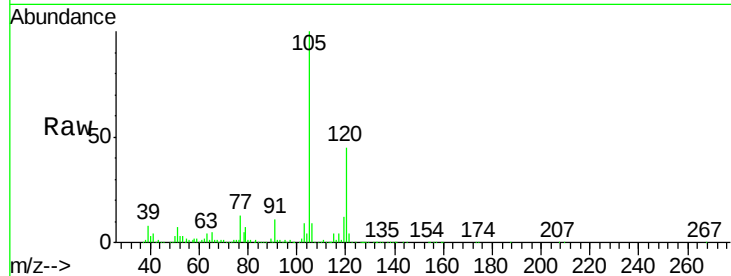




#84
 1,2,4-Trimethylbenzene
 Concen: 40.560 ug/l
 RT: 13.26 min Scan# 1862
 Delta R.T. 0.00 min
 Lab File: VW008978.D
 Acq: 04 Mar 2019 23:43

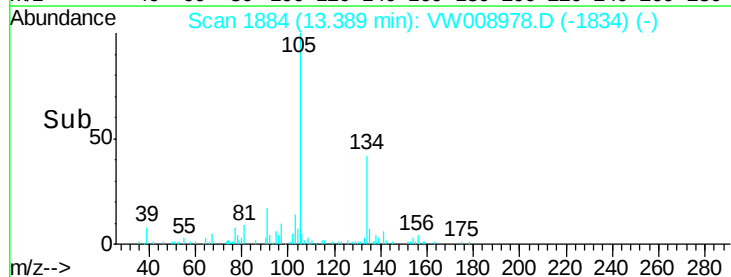
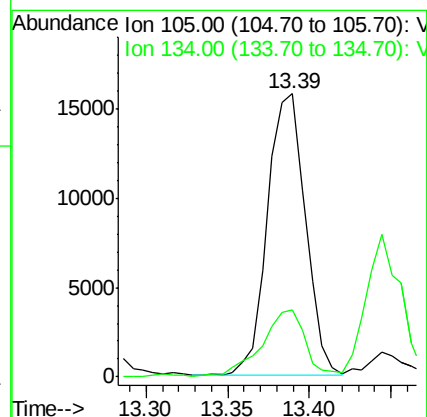
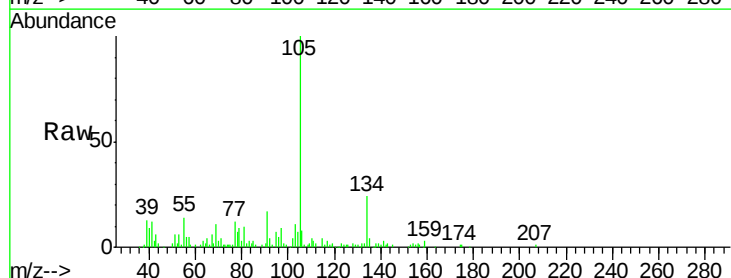
Instrument :
 MSVOA_W
 ClientSampleId :
 JC-03-030119-F

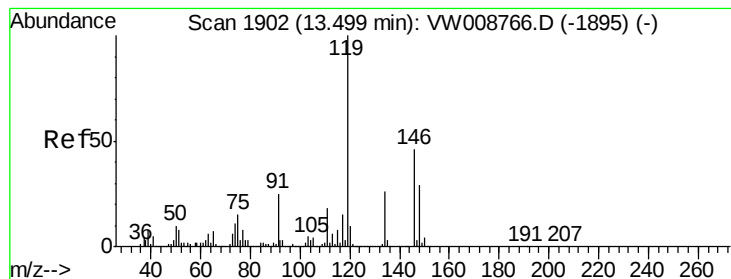
Tot Ion:105 Resp: 185215
 Ion Ratio Lower Upper
 105 100
 120 46.0 22.8 68.4



#85
 sec-Butylbenzene
 Concen: 4.641 ug/l
 RT: 13.39 min Scan# 1884
 Delta R.T. 0.01 min
 Lab File: VW008978.D
 Acq: 04 Mar 2019 23:43

Tgt Ion:105 Resp: 25453
 Ion Ratio Lower Upper
 105 100
 134 27.6 10.4 31.1





#86

p-Isopropyltoluene

Concen: 4.097 ug/l

RT: 13.50 min Scan# 1902

Delta R.T. 0.00 min

Lab File: VW008978.D

Acq: 04 Mar 2019 23:43

Instrument :

MSVOA_W

ClientSampleId :

JC-03-030119-F

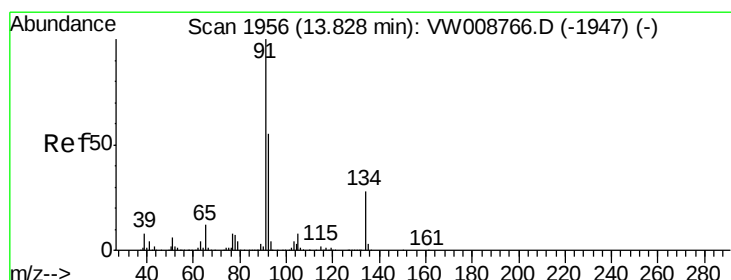
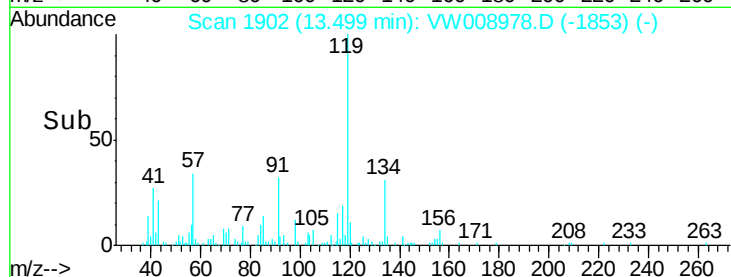
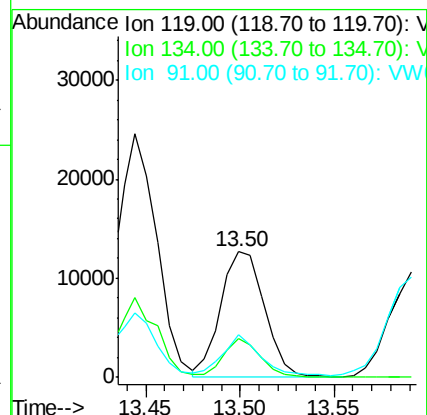
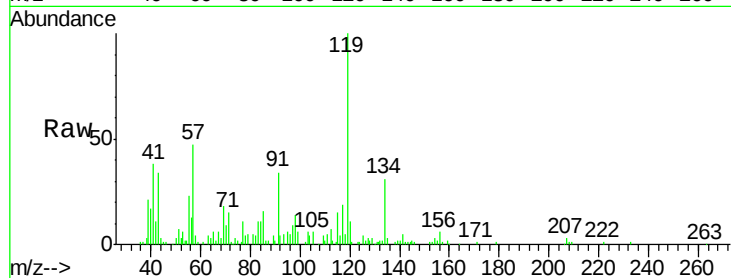
Tot Ion:119 Resp: 20598

Ion Ratio Lower Upper

119 100

134 25.5 13.1 39.3

91 26.3 12.1 36.3



#89

n-Butylbenzene

Concen: 7.616 ug/l

RT: 13.83 min Scan# 1956

Delta R.T. 0.00 min

Lab File: VW008978.D

Acq: 04 Mar 2019 23:43

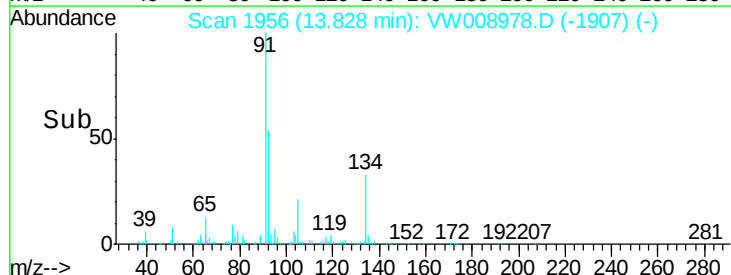
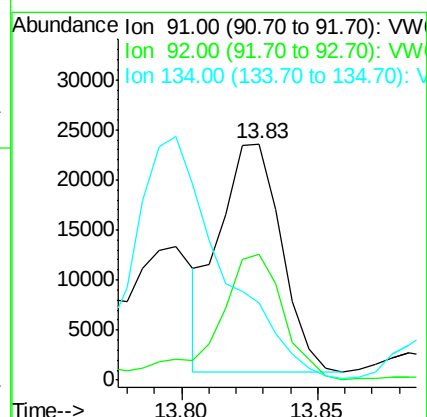
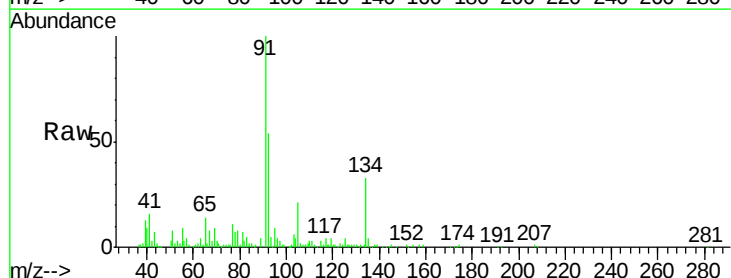
Tgt Ion: 91 Resp: 35875

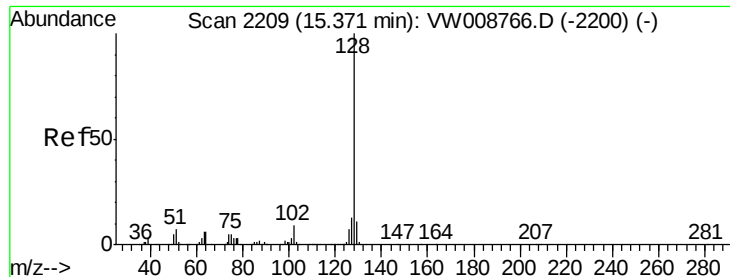
Ion Ratio Lower Upper

91 100

92 57.5 26.8 80.4

134 0.0 13.5 40.4#

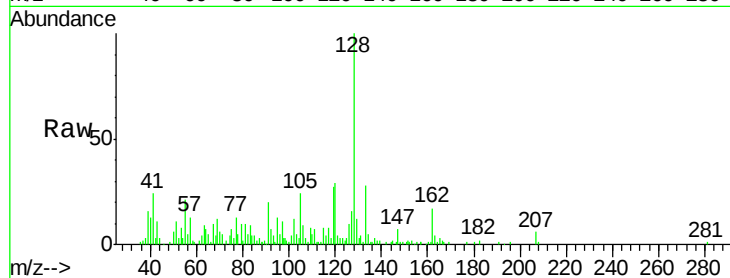




#95
Naphthalene
Concen: 9.996 ug/l
RT: 15.37 min Scan# 2209
Delta R.T. 0.00 min
Lab File: VW008978.D
Acq: 04 Mar 2019 23:43

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

Tot Ion:128 Resp: 27193
Ion Ratio Lower Upper
128 100
127 12.1 10.8 16.2
129 8.7 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

