

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW030519\
 Data File : VW008973.D
 Acq On : 04 Mar 2019 21:30
 Operator : SY/VA
 Sample : K1688-01
 Misc : 6.21G/5ML/MSVOA W/SOIL
 ALS Vial : 11 Sample Multiplier: 1

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

Quant Time: Mar 05 07:03:49 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	320954	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	498010	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	440235	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	202915	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.30	65	181941	60.44	ug/l	0.00
Spiked Amount			Recovery	=	120.88%	
35) Dibromofluoromethane	7.88	113	158905	53.14	ug/l	0.00
Spiked Amount			Recovery	=	106.28%	
50) Toluene-d8	10.32	98	589670	51.09	ug/l	0.00
Spiked Amount			Recovery	=	102.18%	
62) 4-Bromofluorobenzene	12.62	95	202712	44.85	ug/l	0.00
Spiked Amount			Recovery	=	89.70%	

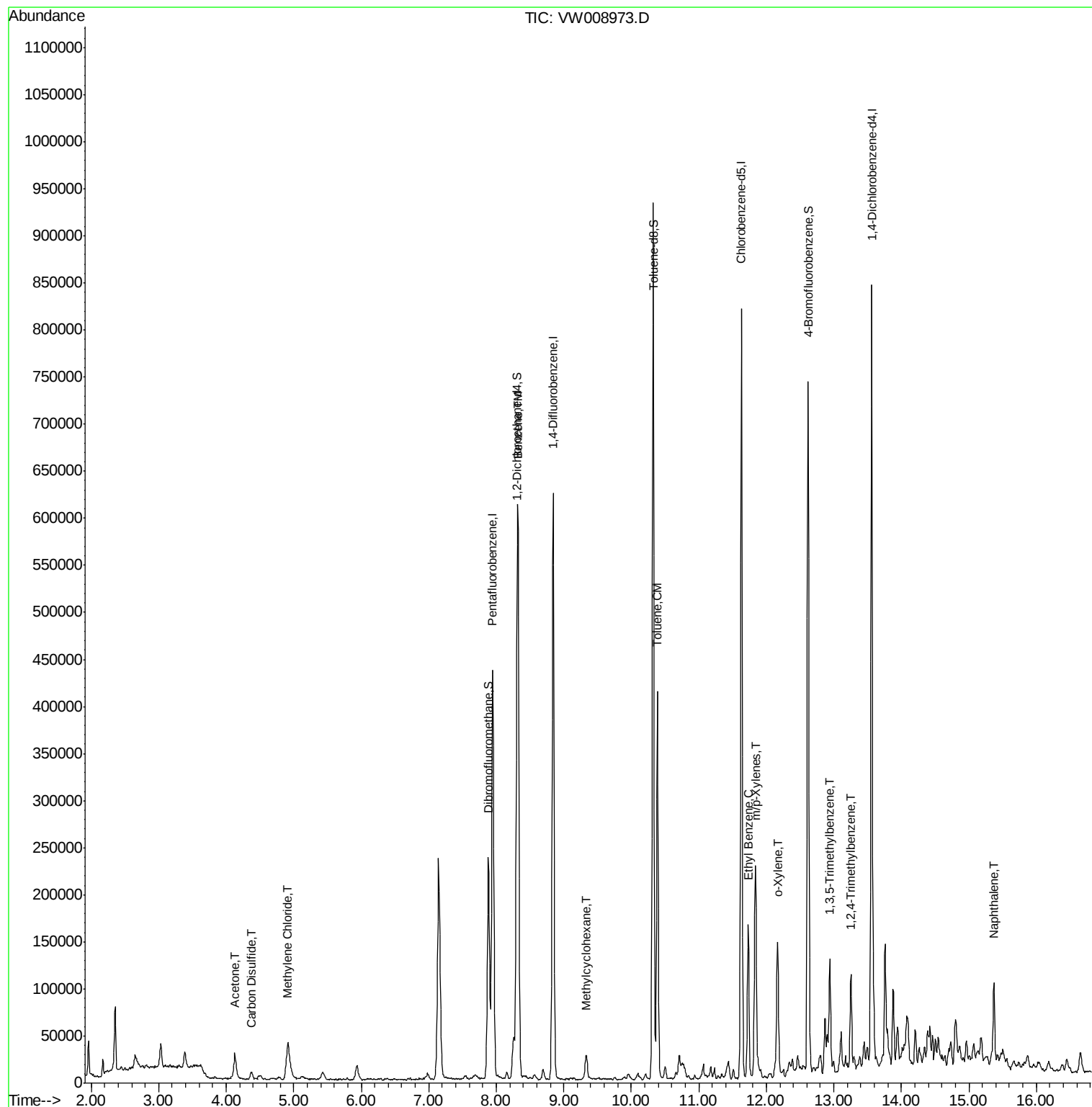
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
16) Acetone	4.13	43	47035	67.409	ug/l	95
17) Carbon Disulfide	4.38	76	14264	1.530	ug/l	98
20) Methylene Chloride	4.92	84	27905	3.352	ug/l #	88
39) Methylcyclohexane	9.34	83	9742	1.611	ug/l #	82
40) Benzene	8.32	78	453494	34.262	ug/l	100
52) Toluene	10.38	92	170571	18.988	ug/l	100
67) Ethyl Benzene	11.73	91	107725	6.510	ug/l	99
68) m/p-Xylenes	11.83	106	61878	9.359	ug/l	97
69) o-Xylene	12.17	106	36781	5.927	ug/l	96
80) 1,3,5-Trimethylbenzene	12.94	105	39655	3.280	ug/l	99
84) 1,2,4-Trimethylbenzene	13.26	105	55093	4.403	ug/l	98
95) Naphthalene	15.37	128	76489	10.260	ug/l	99

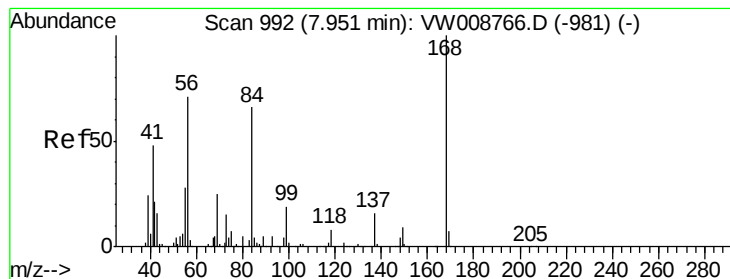
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA W\DATA\VW030519\
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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: VW008973.D

Acq: 04 Mar 2019 21:30

Instrument :

MSVOA_W

ClientSampleId :

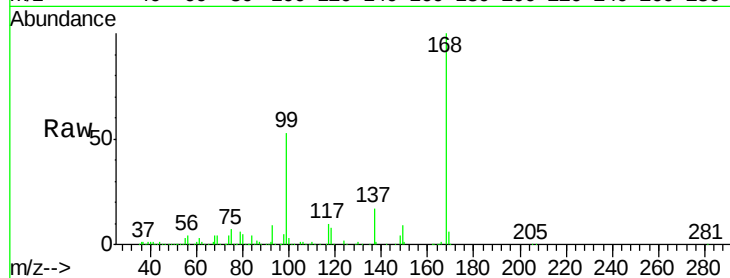
JC-03-030119-A

Tot Ion:168 Resp: 320954

Ion Ratio Lower Upper

168 100

99 53.0 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

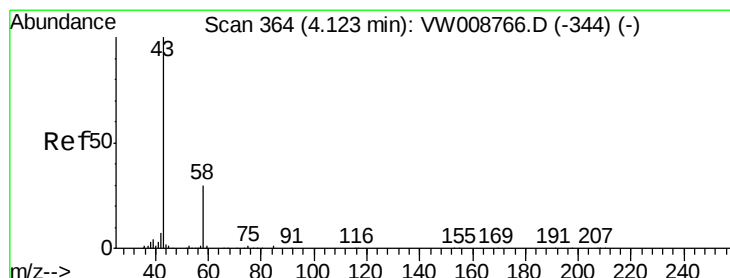
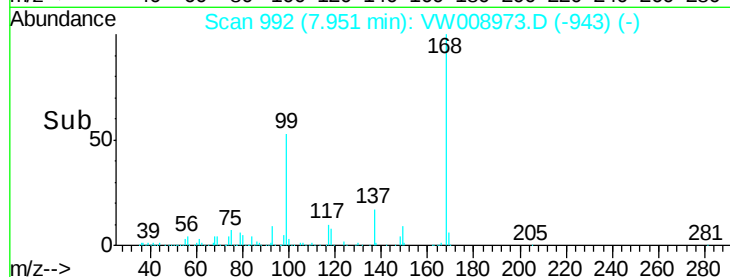
150000

100000

50000

0

Time-->



#16

Acetone

Concen: 67.409 ug/l

RT: 4.13 min Scan# 365

Delta R.T. 0.01 min

Lab File: VW008973.D

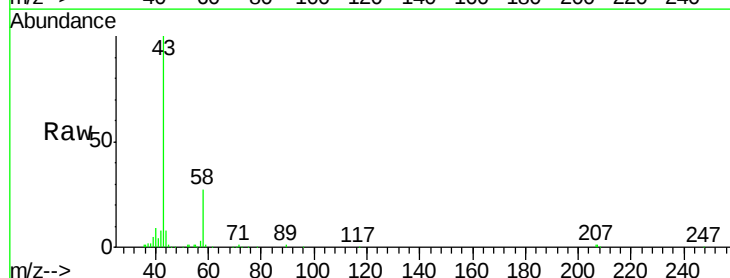
Acq: 04 Mar 2019 21:30

Tgt Ion: 43 Resp: 47035

Ion Ratio Lower Upper

43 100

58 26.7 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

20000

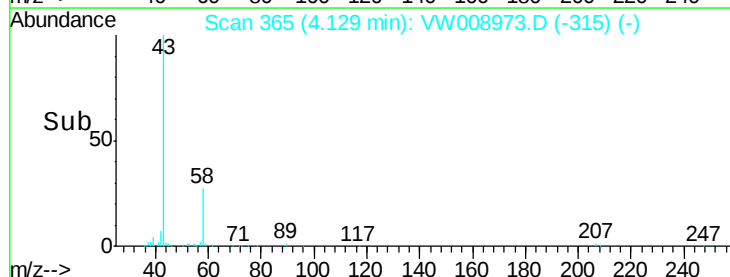
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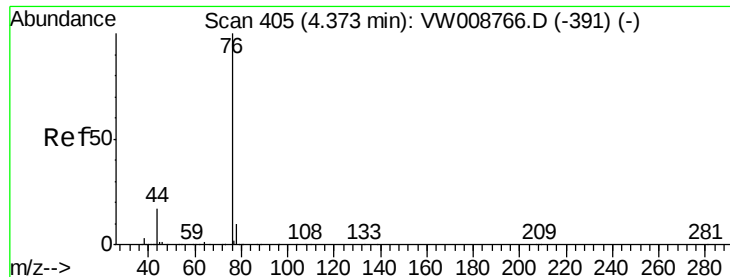
10000

5000

0

Time-->





#17

Carbon Disulfide

Concen: 1.530 ug/l

RT: 4.38 min Scan# 406

Delta R.T. 0.01 min

Lab File: VW008973.D

Acq: 04 Mar 2019 21:30

Instrument :

MSVOA_W

ClientSampleId :

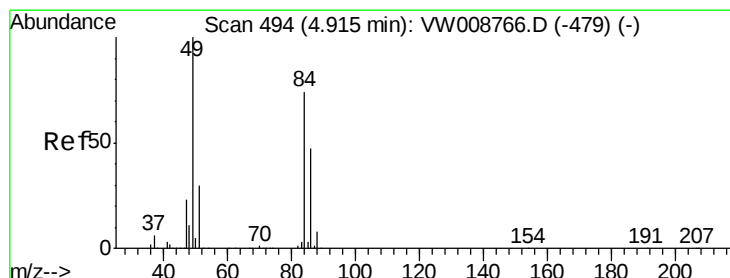
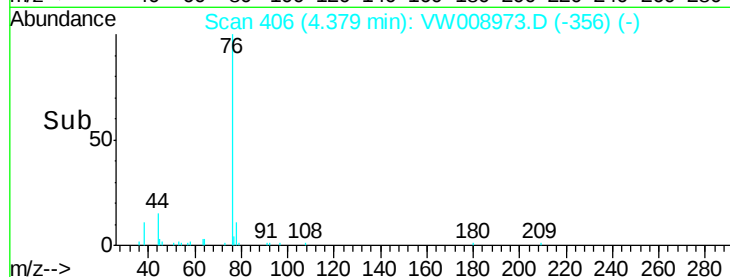
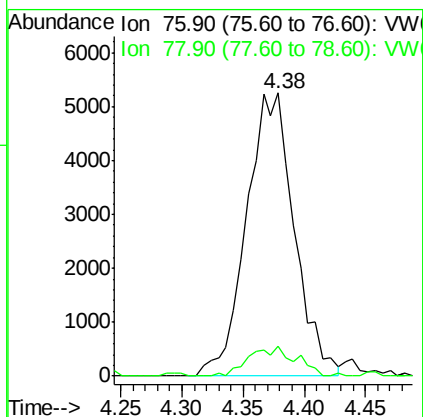
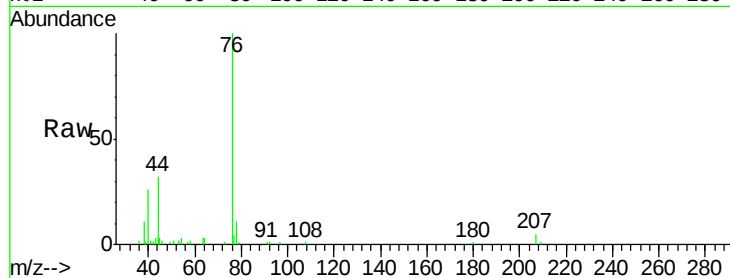
JC-03-030119-A

Tot Ion: 76 Resp: 14264

Ion Ratio Lower Upper

76 100

78 10.6 7.8 11.8



#20

Methylene Chloride

Concen: 3.352 ug/l

RT: 4.92 min Scan# 494

Delta R.T. 0.00 min

Lab File: VW008973.D

Acq: 04 Mar 2019 21:30

Tgt Ion: 84 Resp: 27905

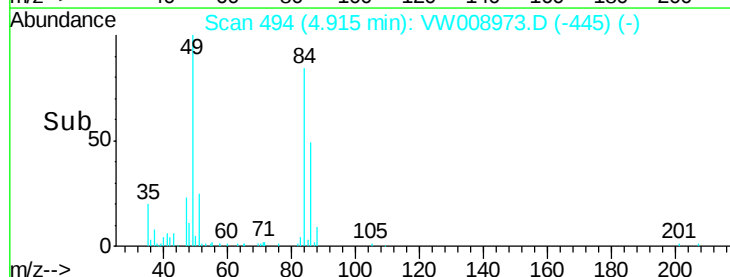
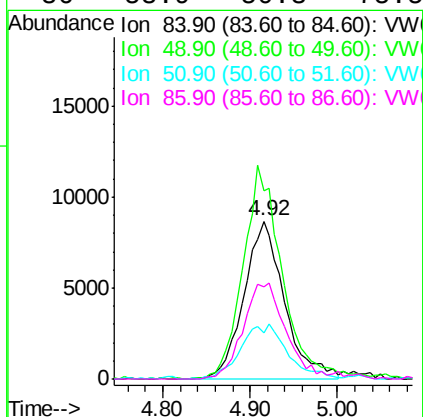
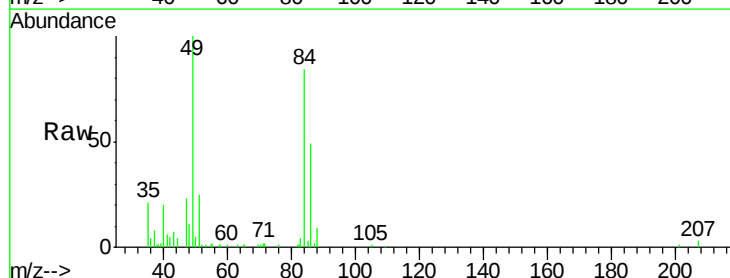
Ion Ratio Lower Upper

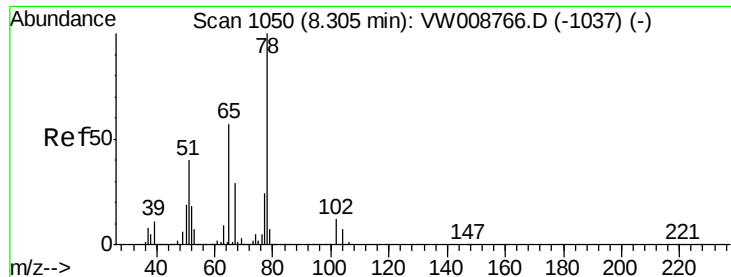
84 100

49 119.1 108.2 162.2

51 29.3 32.7 49.1#

86 58.9 50.3 75.5





#33

1,2-Dichloroethane-d4

Concen: 60.440 ug/l

RT: 8.30 min Scan# 1050

Delta R.T. -0.00 min

Lab File: VW008973.D

Acq: 04 Mar 2019 21:30

Instrument :

MSVOA_W

ClientSampleId :

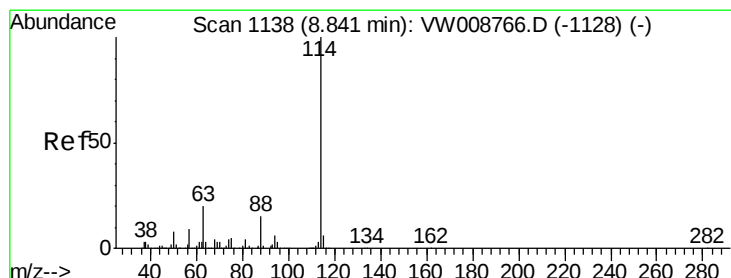
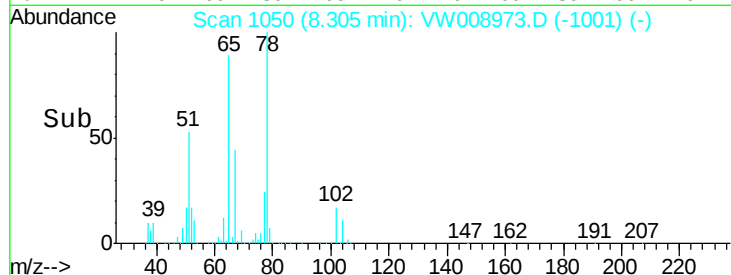
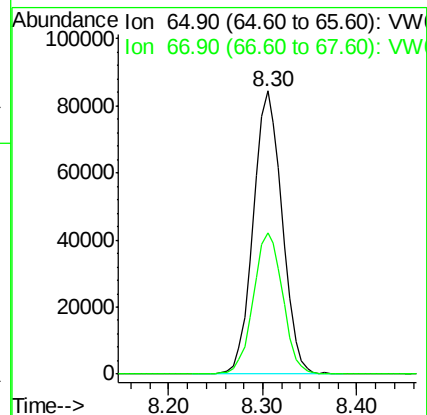
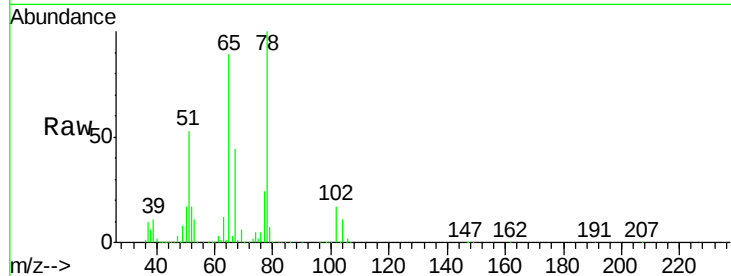
JC-03-030119-A

Tot Ion: 65 Resp: 181941

Ion Ratio Lower Upper

65 100

67 50.9 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: VW008973.D

Acq: 04 Mar 2019 21:30

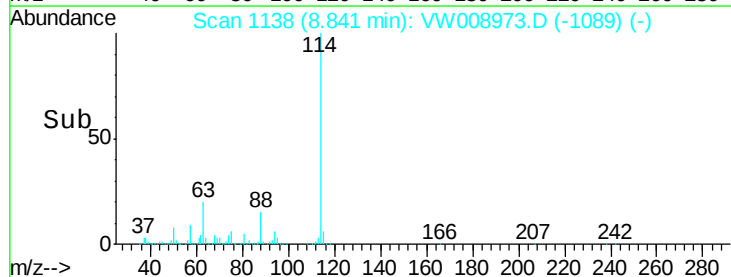
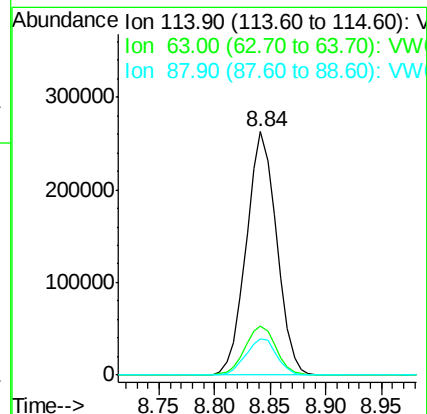
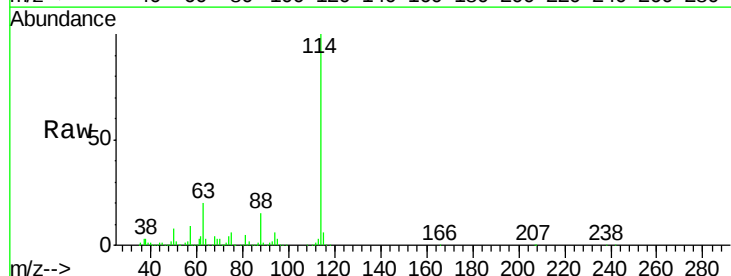
Tgt Ion: 114 Resp: 498010

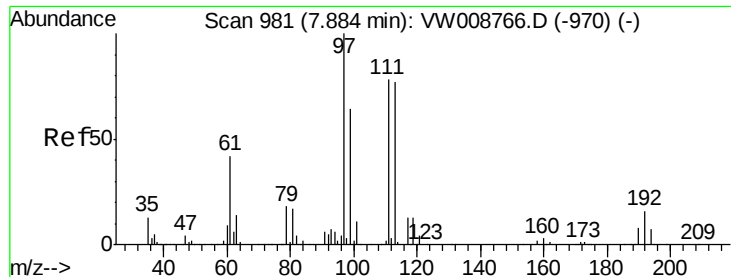
Ion Ratio Lower Upper

114 100

63 20.3 0.0 40.8

88 14.8 0.0 30.4





#35

Dibromofluoromethane

Concen: 53.144 ug/l

RT: 7.88 min Scan# 981

Delta R.T. -0.00 min

Lab File: VW008973.D

Acq: 04 Mar 2019 21:30

Instrument :

MSVOA_W

ClientSampleId :

JC-03-030119-A

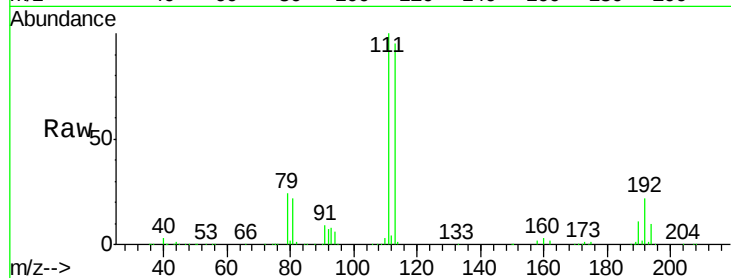
Tot Ion:113 Resp: 158905

Ion Ratio Lower Upper

113 100

111 100.4 81.9 122.9

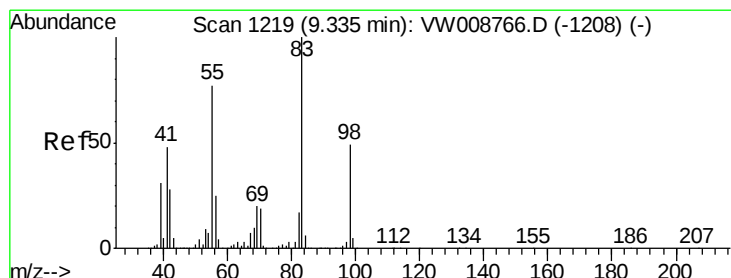
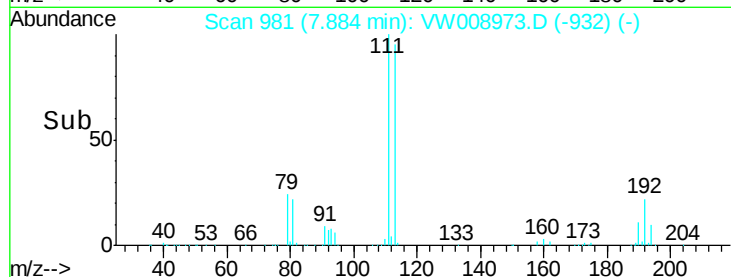
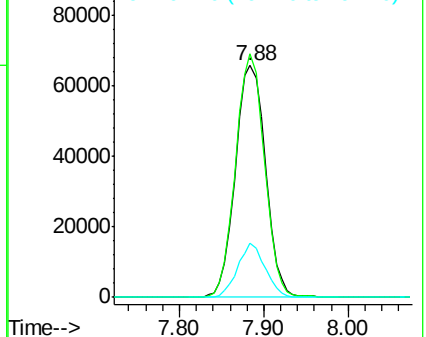
192 21.1 17.1 25.7



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

Methylcyclohexane

Concen: 1.611 ug/l

RT: 9.34 min Scan# 1219

Delta R.T. -0.00 min

Lab File: VW008973.D

Acq: 04 Mar 2019 21:30

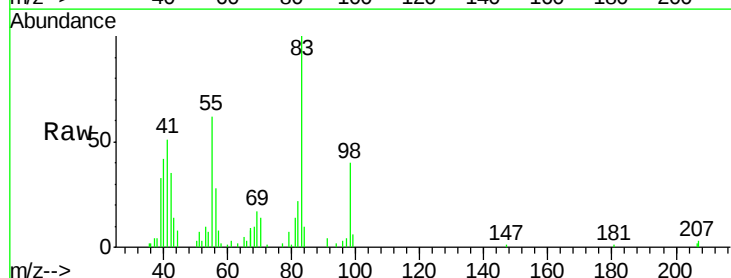
Tgt Ion: 83 Resp: 9742

Ion Ratio Lower Upper

83 100

55 58.7 61.2 91.8#

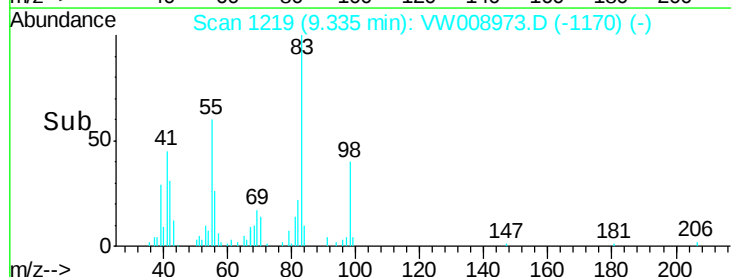
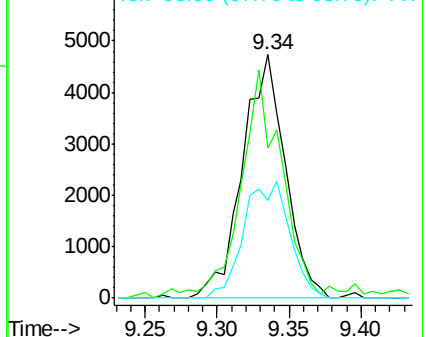
98 40.1 39.4 59.2

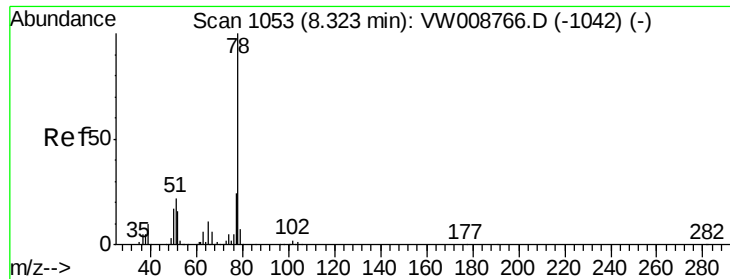


Abundance Ion 83.00 (82.70 to 83.70): VW

Ion 55.00 (54.70 to 55.70): VW

Ion 98.00 (97.70 to 98.70): VW





#40

Benzene

Concen: 34.262 ug/l

RT: 8.32 min Scan# 1053

Delta R.T. -0.00 min

Lab File: VW008973.D

Acq: 04 Mar 2019 21:30

Instrument :

MSVOA_W

ClientSampleId :

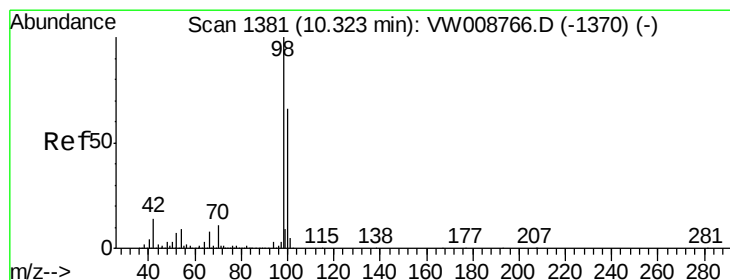
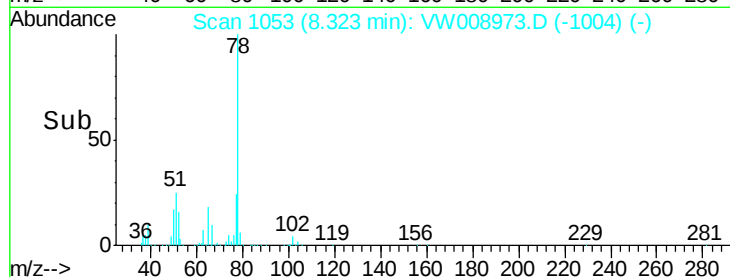
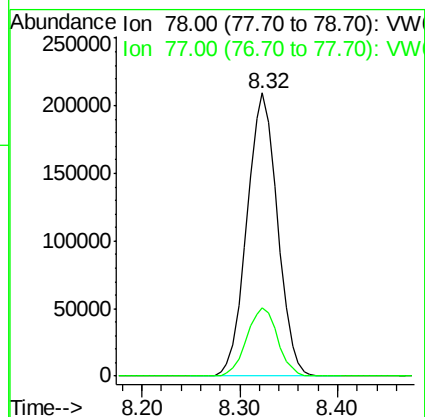
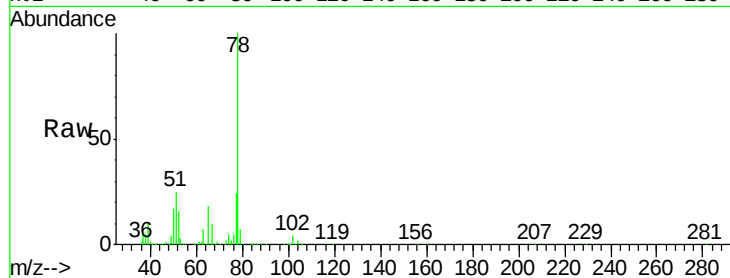
JC-03-030119-A

Tot Ion: 78 Resp: 453494

Ion Ratio Lower Upper

78 100

77 24.2 19.3 28.9



#50

Toluene-d8

Concen: 51.086 ug/l

RT: 10.32 min Scan# 1381

Delta R.T. -0.00 min

Lab File: VW008973.D

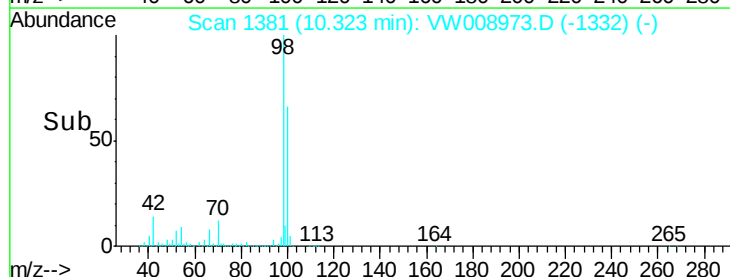
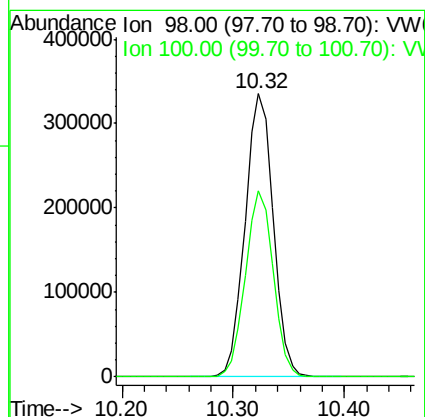
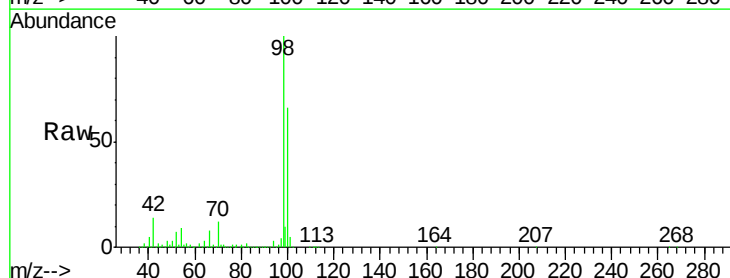
Acq: 04 Mar 2019 21:30

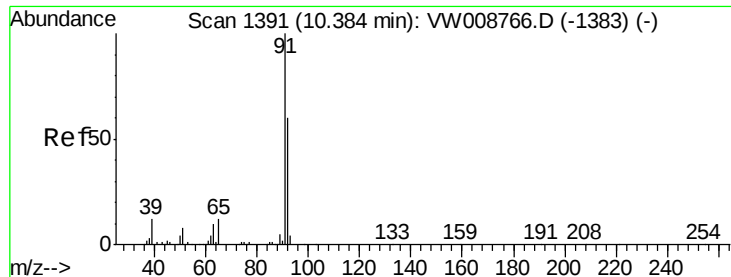
Tgt Ion: 98 Resp: 589670

Ion Ratio Lower Upper

98 100

100 64.9 52.4 78.6





#52

Toluene

Concen: 18.988 ug/l

RT: 10.38 min Scan# 1391

Delta R.T. -0.00 min

Lab File: VW008973.D

Acq: 04 Mar 2019 21:30

Instrument :

MSVOA_W

ClientSampleId :

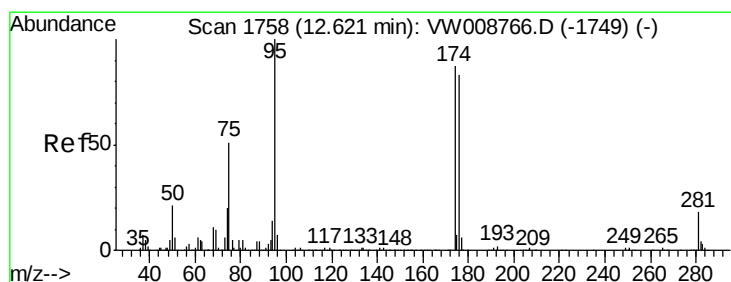
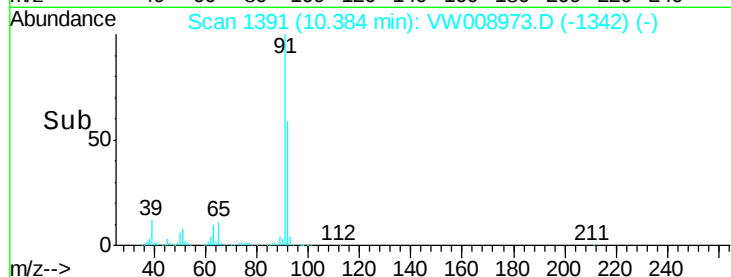
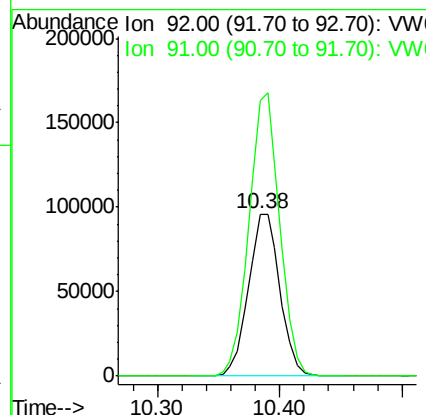
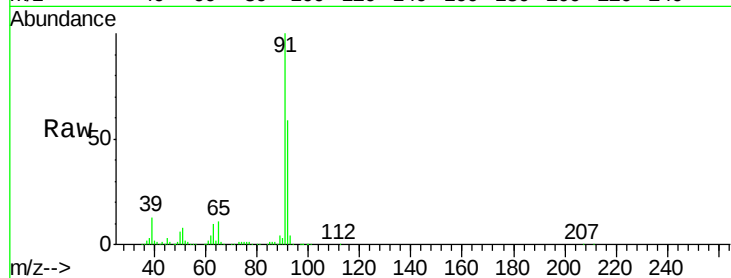
JC-03-030119-A

Tot Ion: 92 Resp: 170571

Ion Ratio Lower Upper

92 100

91 171.0 136.9 205.3



#62

4-Bromofluorobenzene

Concen: 44.853 ug/l

RT: 12.62 min Scan# 1758

Delta R.T. -0.00 min

Lab File: VW008973.D

Acq: 04 Mar 2019 21:30

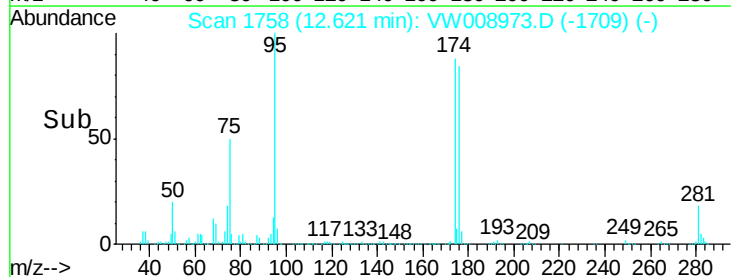
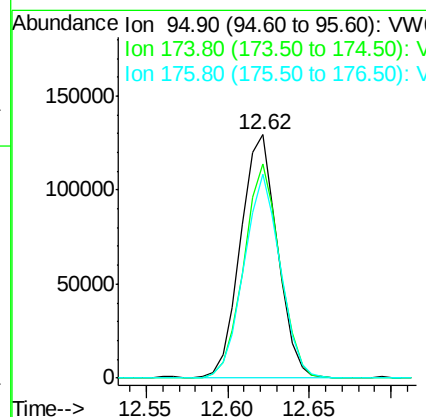
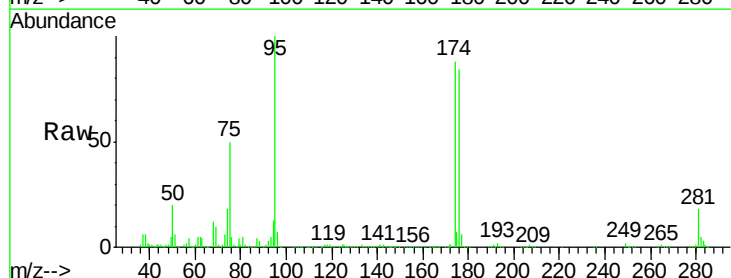
Tgt Ion: 95 Resp: 202712

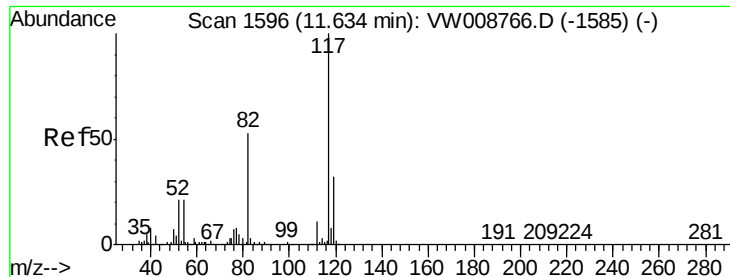
Ion Ratio Lower Upper

95 100

174 86.7 0.0 169.2

176 83.2 0.0 163.6

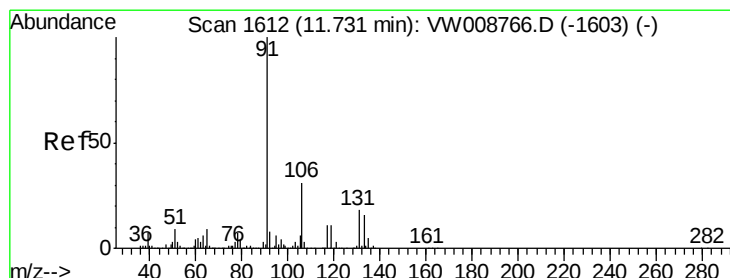
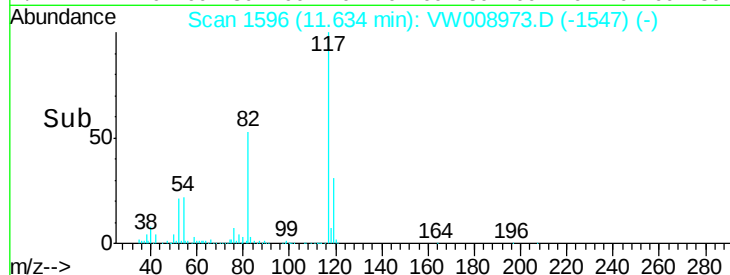
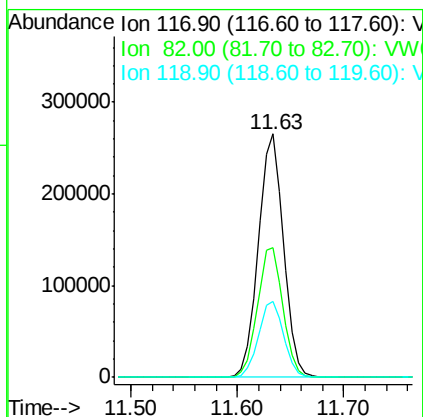
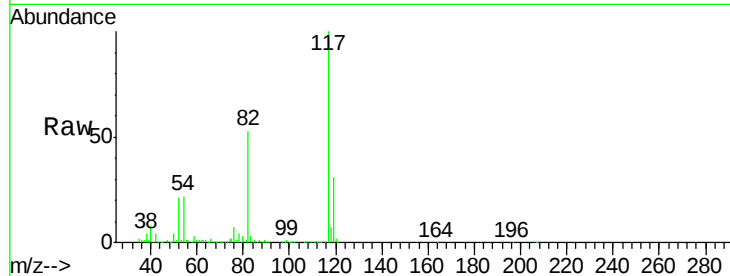




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1596
Delta R.T. -0.00 min
Lab File: VW008973.D
Acq: 04 Mar 2019 21:30

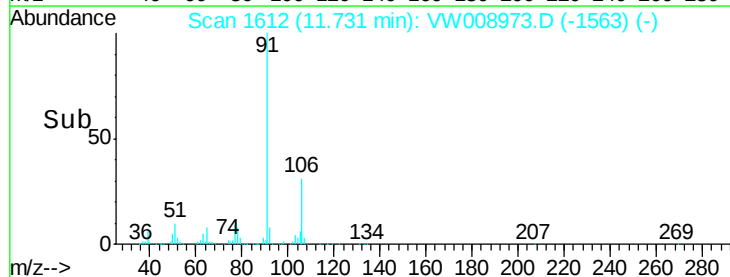
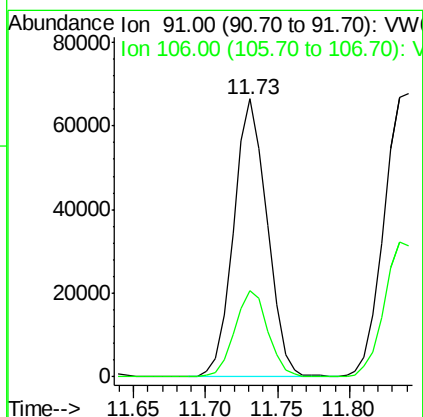
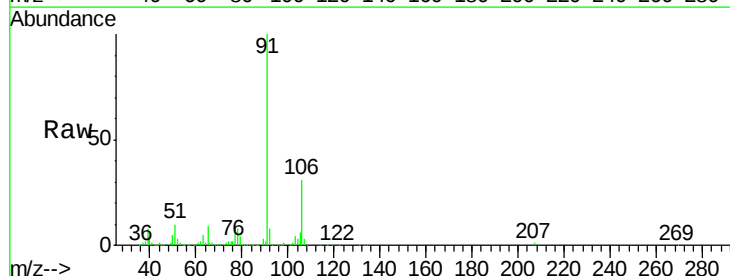
Instrument :
MSVOA_W
ClientSampleId :
JC-03-030119-A

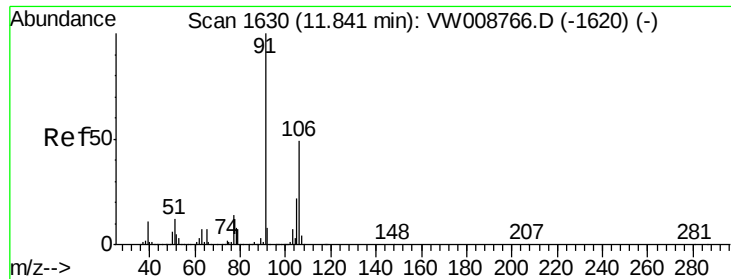
Tot Ion:117 Resp: 440235
Ion Ratio Lower Upper
117 100
82 53.4 42.2 63.4
119 31.3 25.9 38.9



#67
Ethyl Benzene
Concen: 6.510 ug/l
RT: 11.73 min Scan# 1612
Delta R.T. -0.00 min
Lab File: VW008973.D
Acq: 04 Mar 2019 21:30

Tgt Ion: 91 Resp: 107725
Ion Ratio Lower Upper
91 100
106 30.9 25.0 37.6

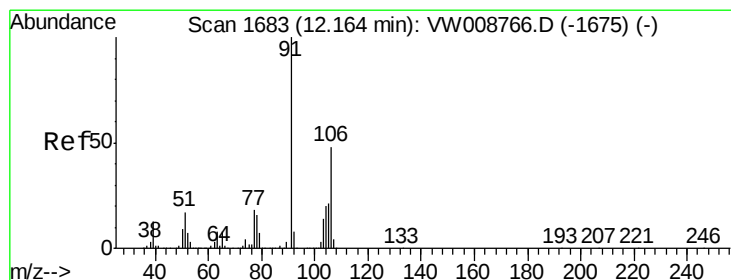
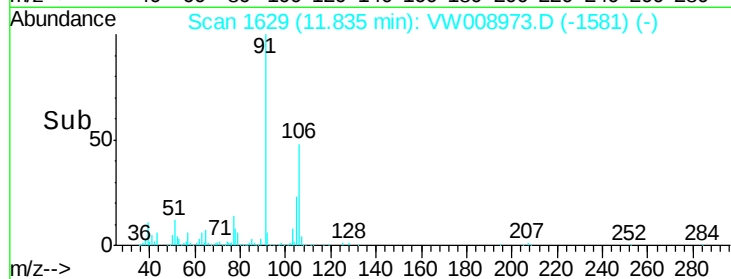
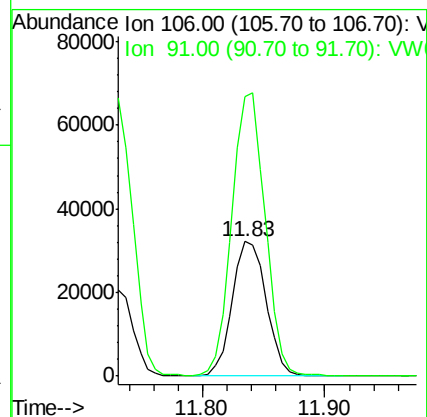
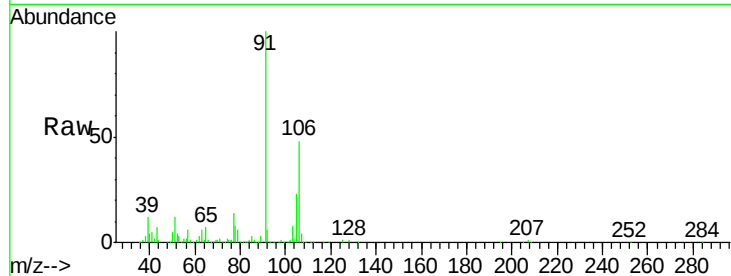




#68
m/p-Xylenes
Concen: 9.359 ug/l
RT: 11.83 min Scan# 1629
Delta R.T. -0.01 min
Lab File: VW008973.D
Acq: 04 Mar 2019 21:30

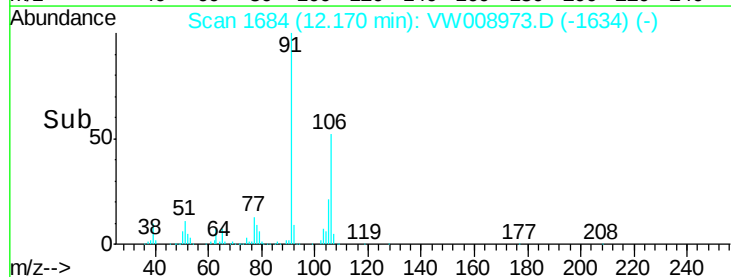
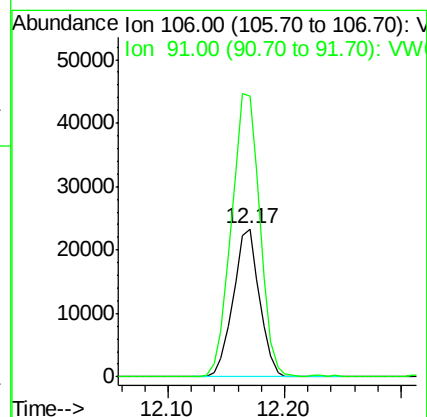
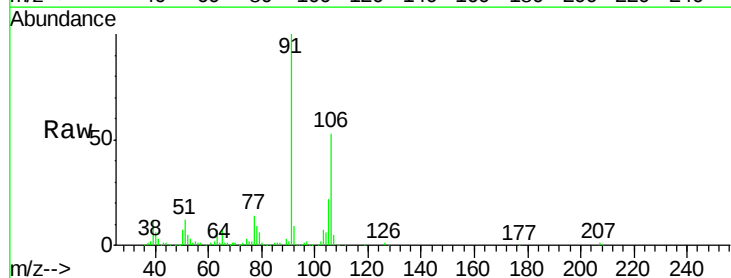
Instrument :
MSVOA_W
ClientSampleId :
JC-03-030119-A

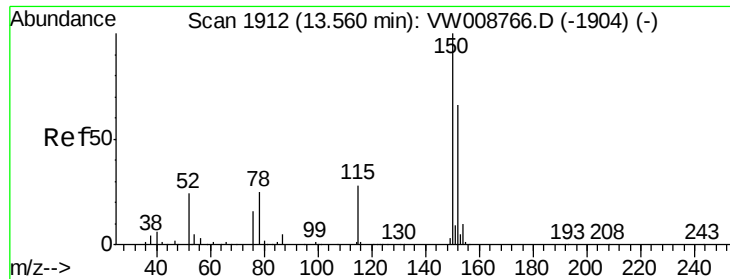
Tot Ion:106 Resp: 61878
Ion Ratio Lower Upper
106 100
91 205.8 161.5 242.3



#69
o-Xylene
Concen: 5.927 ug/l
RT: 12.17 min Scan# 1684
Delta R.T. 0.01 min
Lab File: VW008973.D
Acq: 04 Mar 2019 21:30

Tgt Ion:106 Resp: 36781
Ion Ratio Lower Upper
106 100
91 206.0 106.2 318.6





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.56 min Scan# 1912

Delta R.T. -0.00 min

Lab File: VW008973.D

Acq: 04 Mar 2019 21:30

Instrument :

MSVOA_W

ClientSampleId :

JC-03-030119-A

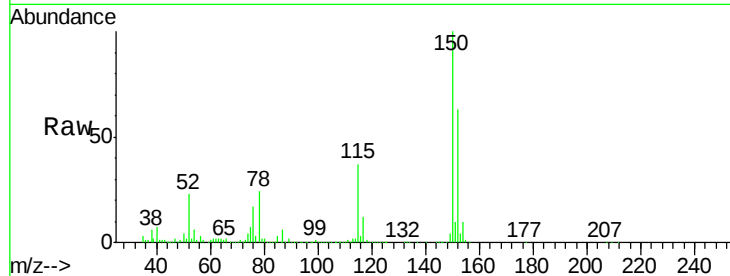
Tot Ion:152 Resp: 202915

Ion Ratio Lower Upper

152 100

115 57.2 28.6 85.8

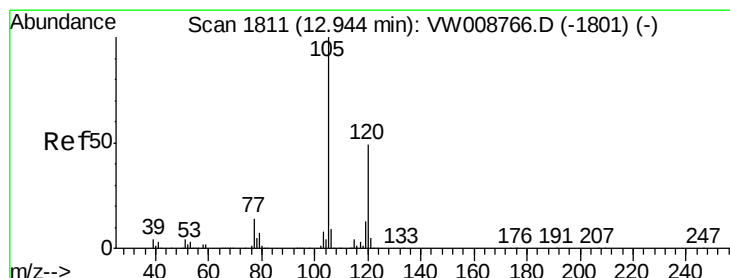
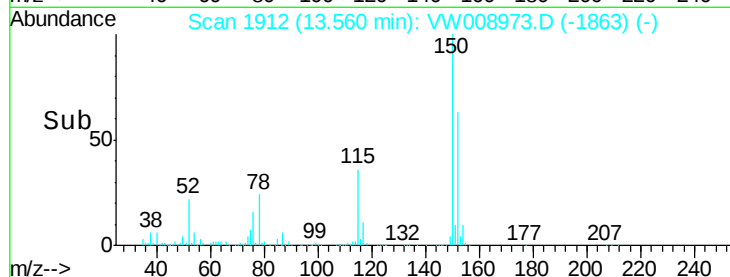
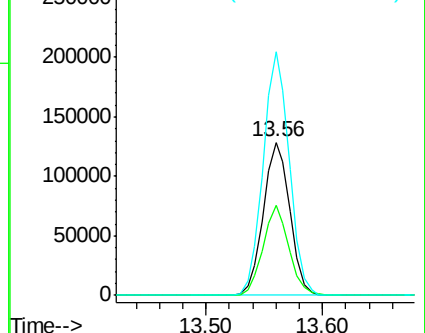
150 157.7 0.0 348.0



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



#80

1,3,5-Trimethylbenzene

Concen: 3.280 ug/l

RT: 12.94 min Scan# 1811

Delta R.T. -0.00 min

Lab File: VW008973.D

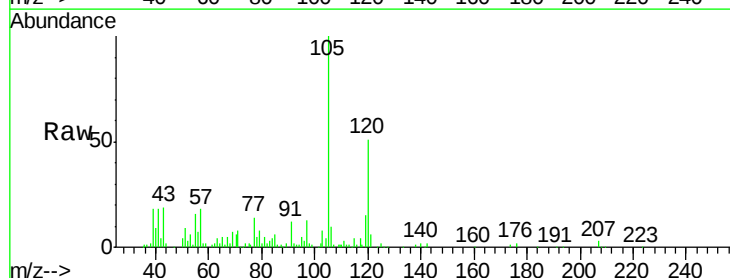
Acq: 04 Mar 2019 21:30

Tgt Ion:105 Resp: 39655

Ion Ratio Lower Upper

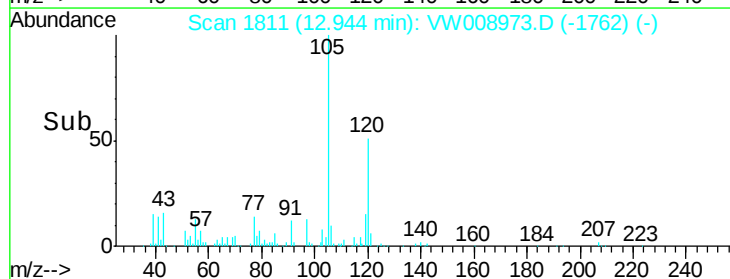
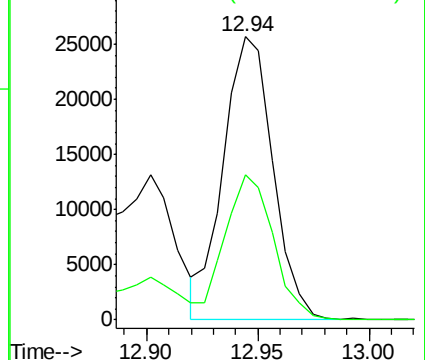
105 100

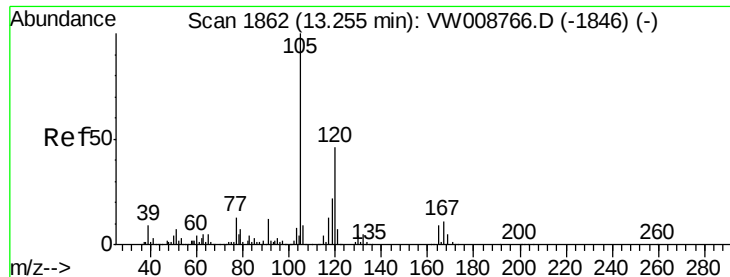
120 50.5 24.8 74.4



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: 4.403 ug/l

RT: 13.26 min Scan# 1862

Delta R.T. -0.00 min

Lab File: VW008973.D

Acq: 04 Mar 2019 21:30

Instrument :

MSVOA_W

ClientSampleId :

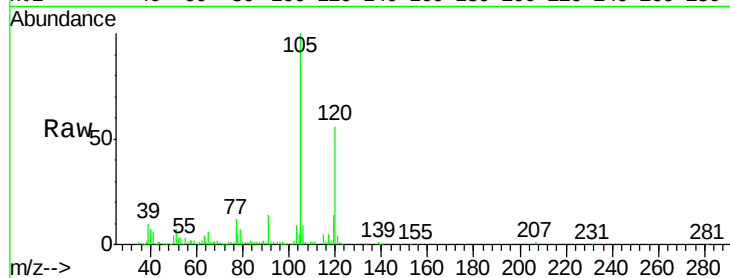
JC-03-030119-A

Tot Ion:105 Resp: 55093

Ion Ratio Lower Upper

105 100

120 46.6 22.8 68.4



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

13.26

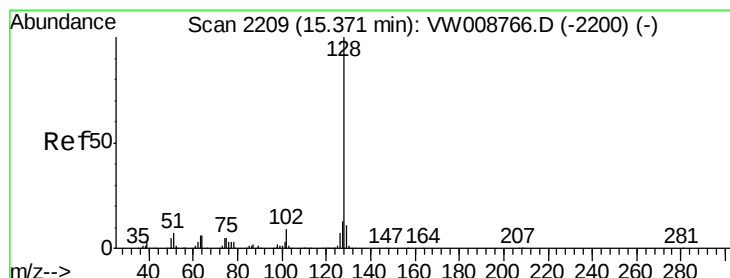
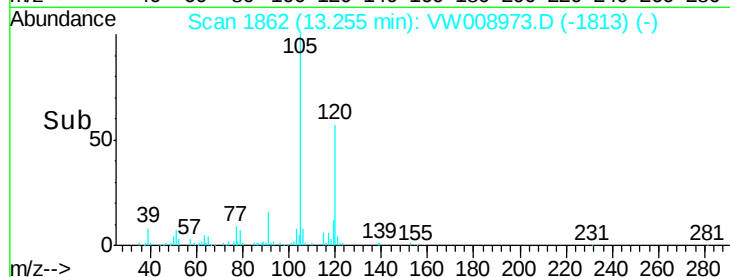
30000

20000

10000

0

Time-->



#95

Naphthalene

Concen: 10.260 ug/l

RT: 15.37 min Scan# 2209

Delta R.T. -0.00 min

Lab File: VW008973.D

Acq: 04 Mar 2019 21:30

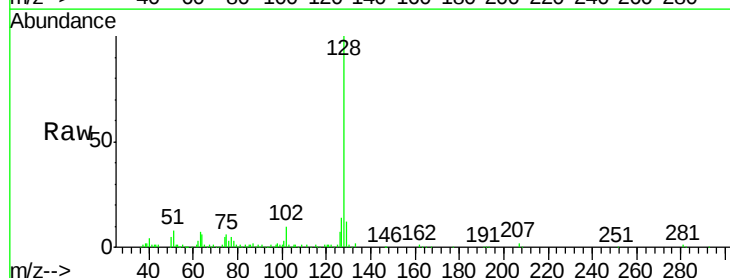
Tgt Ion:128 Resp: 76489

Ion Ratio Lower Upper

128 100

127 13.4 10.8 16.2

129 11.6 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

15.37

50000

40000

30000

20000

10000

0

Time-->

