

Data File : VW008633.D
Acq On : 12 Feb 2019 19:52
Operator : SY/VA
Sample : K1343-19RE
Misc : 6.52G/5ML/MSVOA_W/SOIL
ALS Vial : 21 Sample Multiplier: 1

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

Quant Time: Feb 13 00:25:09 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	406285	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	673172	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	612643	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	282734	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.30	65	233337	58.46	ug/l	0.00
Spiked Amount	50.000		Recovery	=	116.92%	
35) Dibromofluoromethane	7.88	113	209614	53.25	ug/l	0.00
Spiked Amount	50.000		Recovery	=	106.50%	
50) Toluene-d8	10.32	98	805069	51.00	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.00%	
62) 4-Bromofluorobenzene	12.62	95	295514	48.71	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.42%	

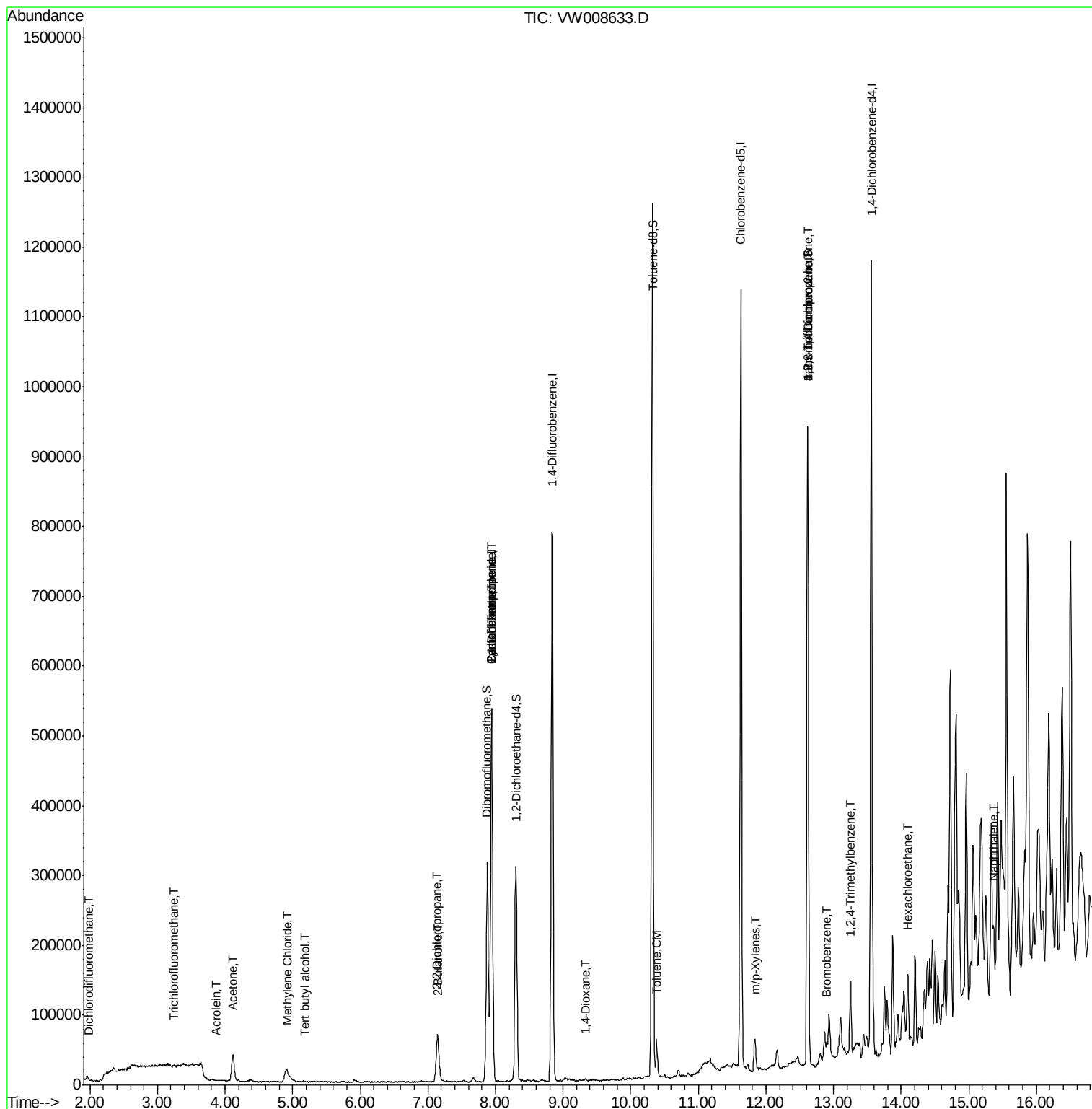
Target Compounds			Qvalue			
2) Dichlorodifluoromethane	2.00	85	26	3.263	ug/l #	41
7) Trichlorofluoromethane	3.24	101	438	4.833	ug/l	95
11) Tert butyl alcohol	5.18	59	1156	3.597	ug/l #	88
13) Acrolein	3.87	56	274	5.136	ug/l #	14
16) Acetone	4.12	43	68949	76.924	ug/l	96
20) Methylene Chloride	4.92	84	15723	3.806	ug/l #	88
25) 2-Butanone	7.16	43	8361	6.716	ug/l #	65
26) 2,2-Dichloropropane	7.15	77	5271	1.029	ug/l #	54
31) Cyclohexane	7.95	56	9253	1.181	ug/l #	10
36) 1,1-Dichloropropene	7.94	75	30724	4.832	ug/l #	51
38) Carbon Tetrachloride	7.95	117	39954	6.244	ug/l #	16
49) 1,4-Dioxane	9.32	88	56	1.464	ug/l #	1
52) Toluene	10.38	92	20828	1.788	ug/l	97
68) m/p-Xylenes	11.83	106	12401	1.390	ug/l	99
76) 1,2,3-Trichloropropane	12.62	75	152764	62.145	ug/l #	1
77) Bromobenzene	12.90	156	7315	1.589	ug/l #	1
81) trans-1,4-Dichloro-2-buten	12.62	75	152764	122.742	ug/l #	12
84) 1,2,4-Trimethylbenzene	13.25	105	60441	3.375	ug/l	99
90) Hexachloroethane	14.10	117	5480	1.429	ug/l #	10
95) Naphthalene	15.37	128	41295	4.006	ug/l #	94

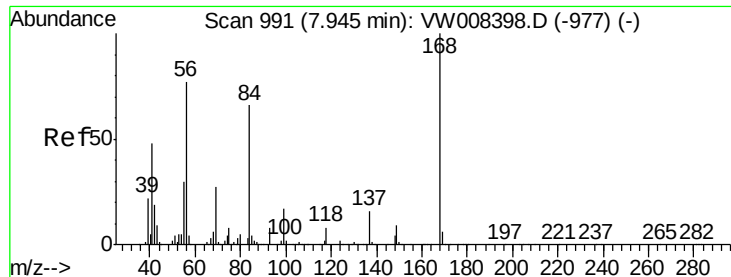
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.95 min Scan# 991

Delta R.T. 0.00 min

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Acq: 12 Feb 2019 19:52

Instrument :

MSVOA_W

ClientSampleId :

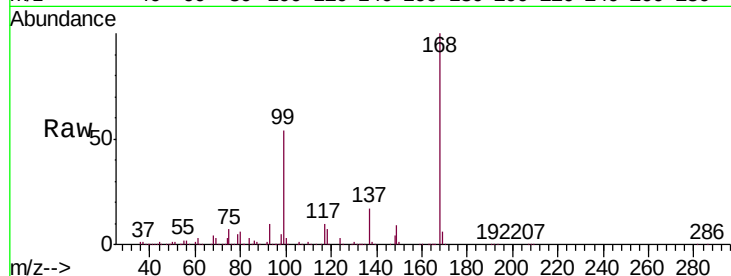
JC-02-021119-J

Tgt Ion:168 Resp: 406285

Ion Ratio Lower Upper

168 100

99 54.0 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

200000

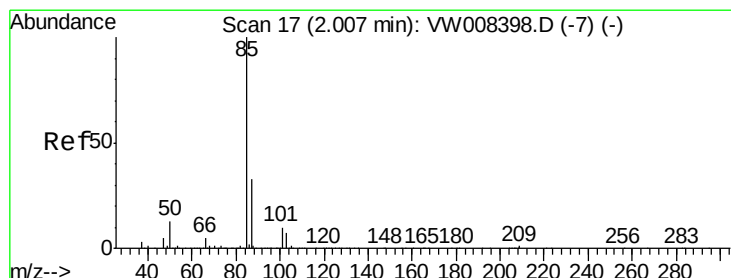
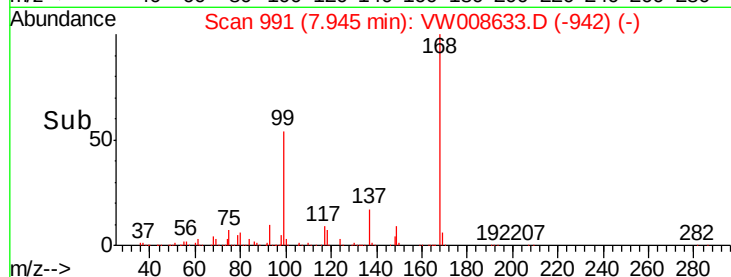
150000

100000

50000

0

Time--> 7.80 7.90 8.00



#2

Dichlorodifluoromethane

Concen: 3.263 ug/l

RT: 2.00 min Scan# 15

Delta R.T. -0.01 min

Lab File: VW008633.D

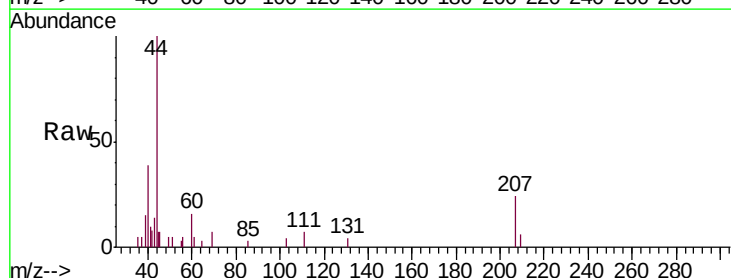
Acq: 12 Feb 2019 19:52

Tgt Ion: 85 Resp: 26

Ion Ratio Lower Upper

85 100

87 0.0 16.7 50.1#



Abundance Ion 84.90 (84.60 to 85.60): VW

Ion 86.90 (86.60 to 87.60): VW

2.00

80

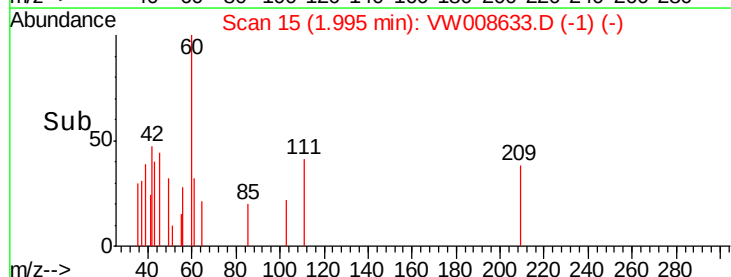
60

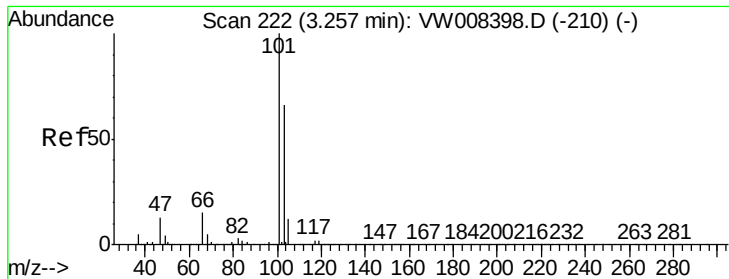
40

20

0

Time--> 1.98 1.99 2.00 2.01



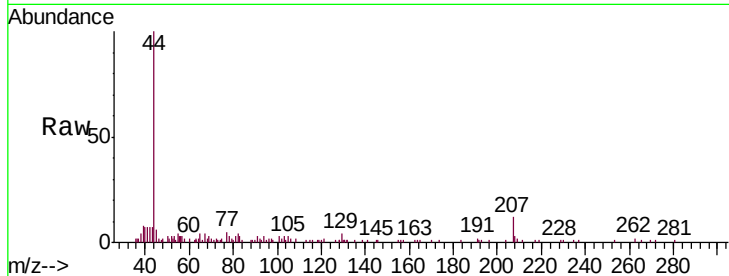


#7

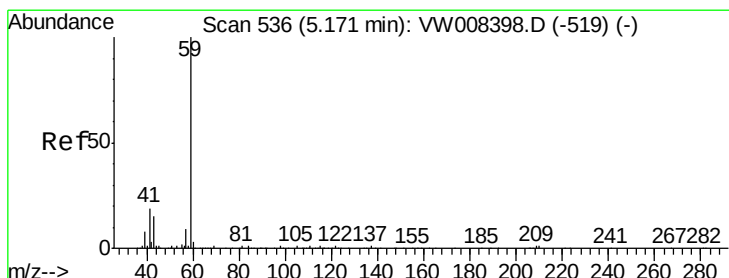
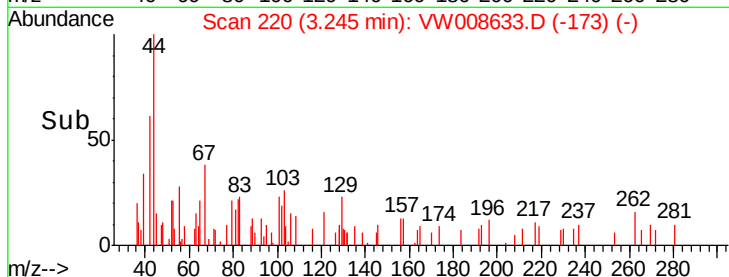
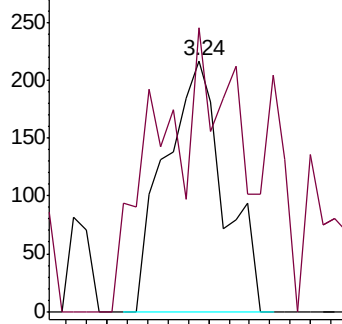
Trichlorofluoromethane
Concen: 4.833 ug/l
RT: 3.24 min Scan# 220
Delta R.T. -0.01 min
Lab File: VW008633.D
Acq: 12 Feb 2019 19:52

Instrument :
MSVOA_W
ClientSampled :
JC-02-021119-J

Tgt Ion: 101 Resp: 438
Ion Ratio Lower Upper
101 100
103 69.6 52.5 78.7



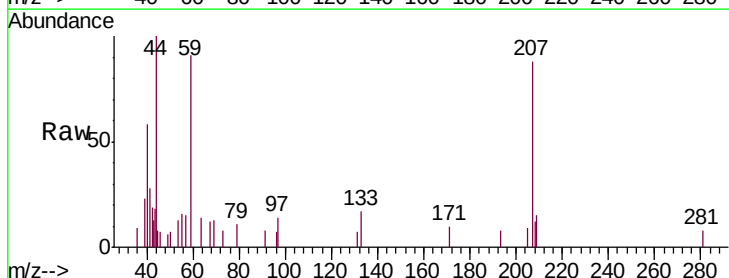
Abundance Ion 100.90 (100.60 to 101.60): V
Ion 102.80 (102.50 to 103.50): V



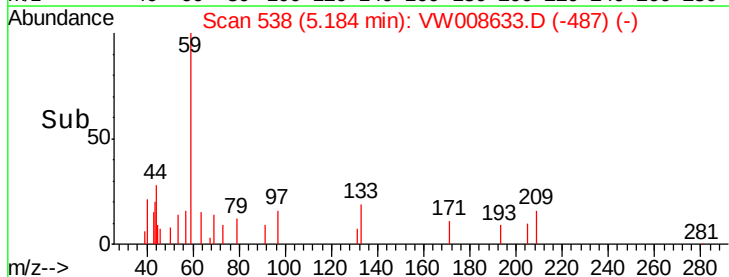
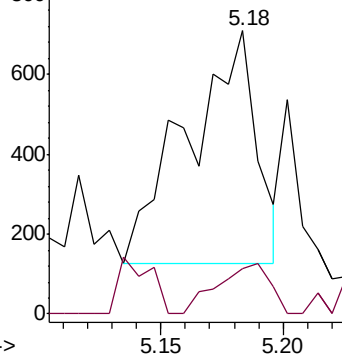
#11

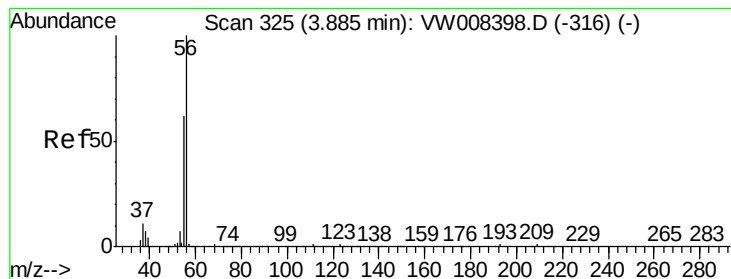
Tert butyl alcohol
Concen: 3.597 ug/l
RT: 5.18 min Scan# 538
Delta R.T. 0.01 min
Lab File: VW008633.D
Acq: 12 Feb 2019 19:52

Tgt Ion: 59 Resp: 1156
Ion Ratio Lower Upper
59 100
57 16.2 9.3 13.9#



Abundance Ion 59.00 (58.70 to 59.70): VW
Ion 57.00 (56.70 to 57.70): VW





#13

Acrolein

Concen: 5.136 ug/l

RT: 3.87 min Scan# 323

Delta R.T. -0.01 min

Lab File: VW008633.D

Acq: 12 Feb 2019 19:52

Instrument :

MSVOA_W

ClientSampleId :

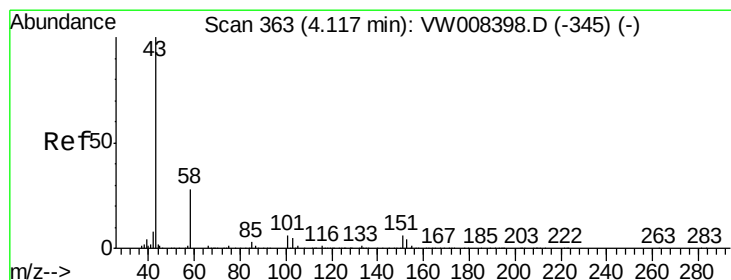
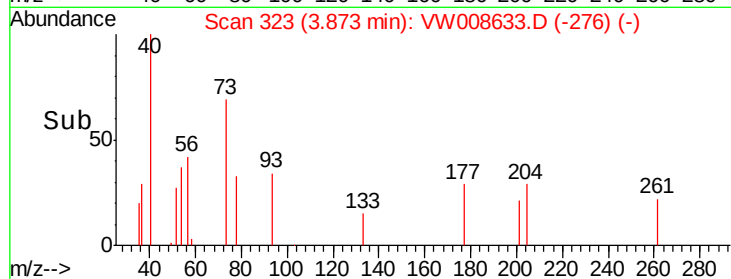
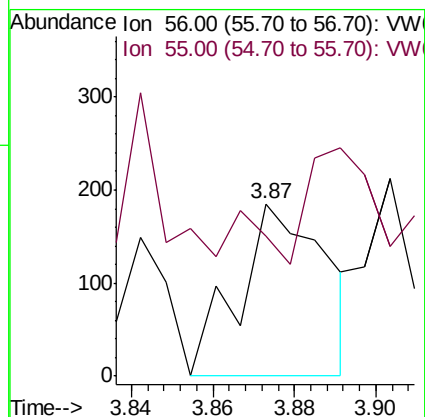
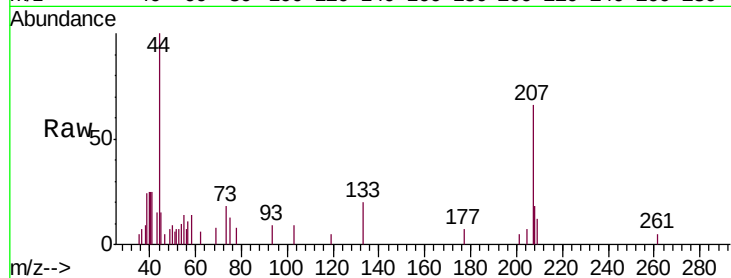
JC-02-021119-J

Tgt Ion: 56 Resp: 274

Ion Ratio Lower Upper

56 100

55 0.0 56.7 85.1#



#16

Acetone

Concen: 76.924 ug/l

RT: 4.12 min Scan# 364

Delta R.T. 0.01 min

Lab File: VW008633.D

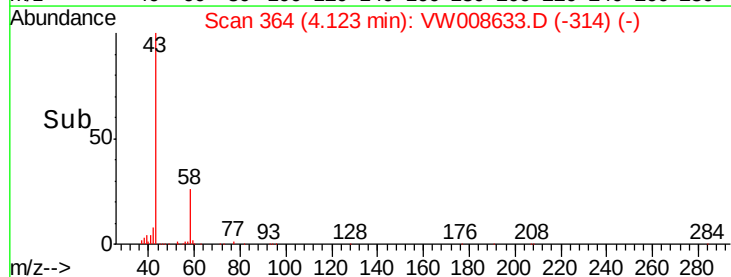
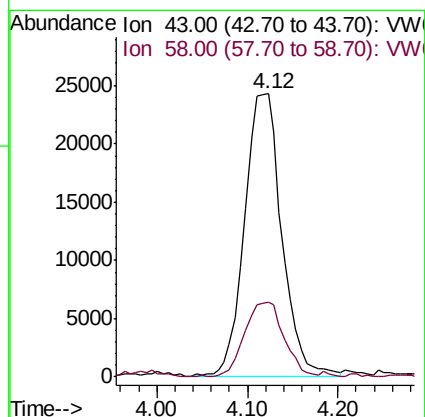
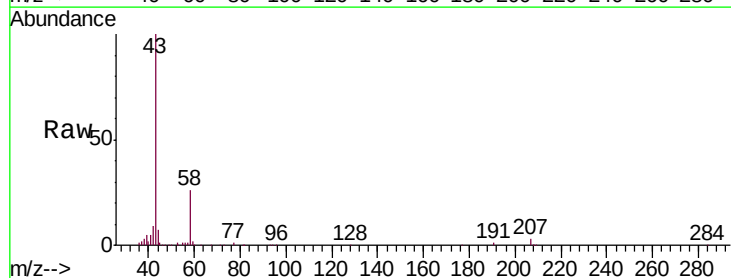
Acq: 12 Feb 2019 19:52

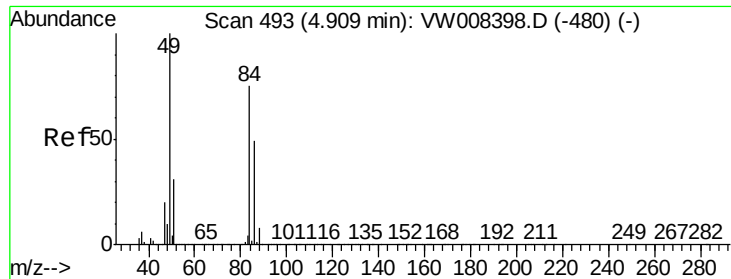
Tgt Ion: 43 Resp: 68949

Ion Ratio Lower Upper

43 100

58 26.1 22.6 34.0

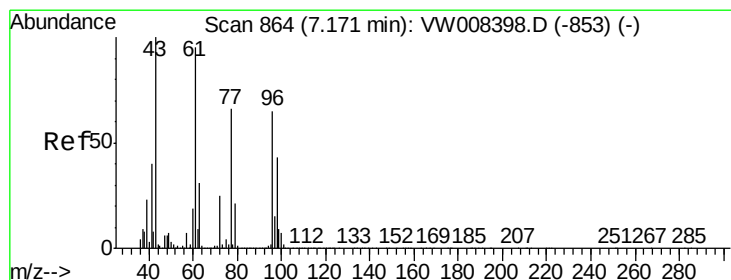
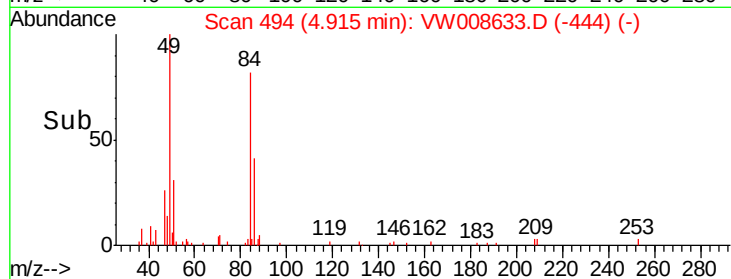
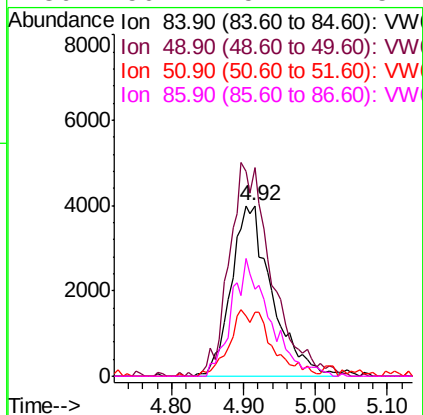
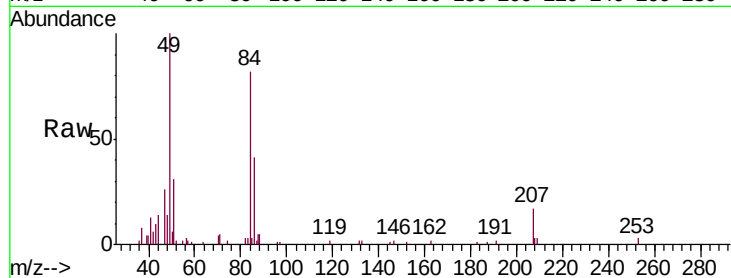




#20
Methylene Chloride
Concen: 3.806 ug/l
RT: 4.92 min Scan# 494
Delta R.T. 0.01 min
Lab File: VW008633.D
Acq: 12 Feb 2019 19:52

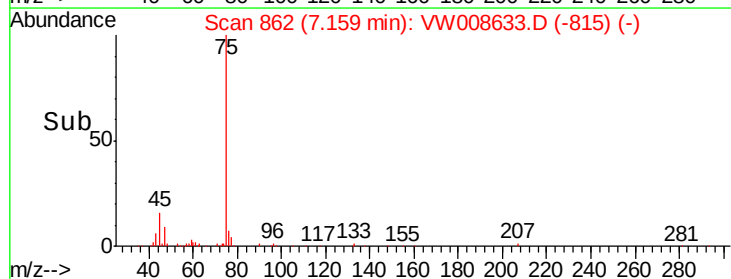
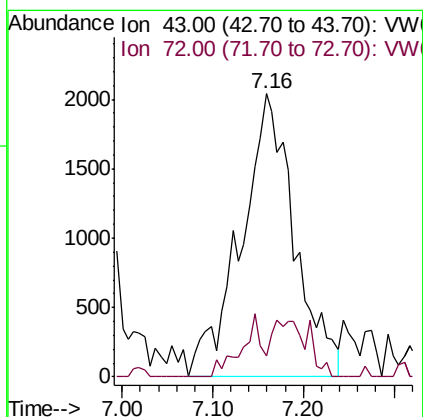
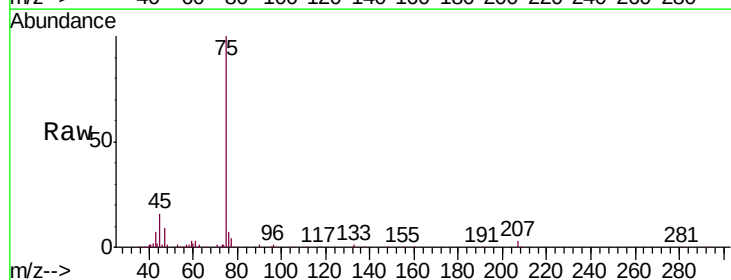
Instrument :
MSVOA_W
ClientSampleId :
JC-02-021119-J

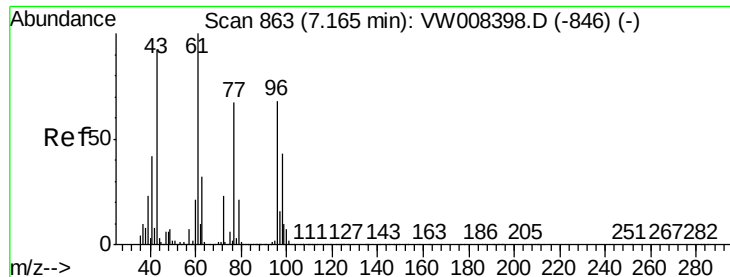
Tgt Ion: 84 Resp: 15723
Ion Ratio Lower Upper
84 100
49 120.1 106.8 160.2
51 37.9 32.9 49.3
86 50.7 52.2 78.2#



#25
2-Butanone
Concen: 6.716 ug/l
RT: 7.16 min Scan# 862
Delta R.T. -0.01 min
Lab File: VW008633.D
Acq: 12 Feb 2019 19:52

Tgt Ion: 43 Resp: 8361
Ion Ratio Lower Upper
43 100
72 7.4 20.1 30.1#





#26

2,2-Dichloropropane

Concen: 1.029 ug/l

RT: 7.15 min Scan# 860

Delta R.T. -0.02 min

Lab File: VW008633.D

Acq: 12 Feb 2019 19:52

Instrument :

MSVOA_W

ClientSampleId :

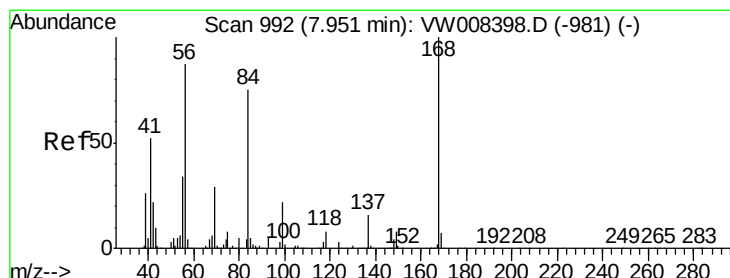
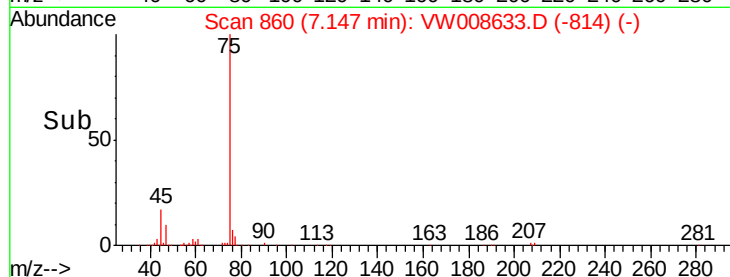
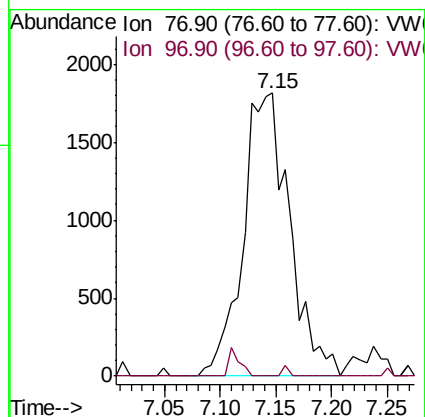
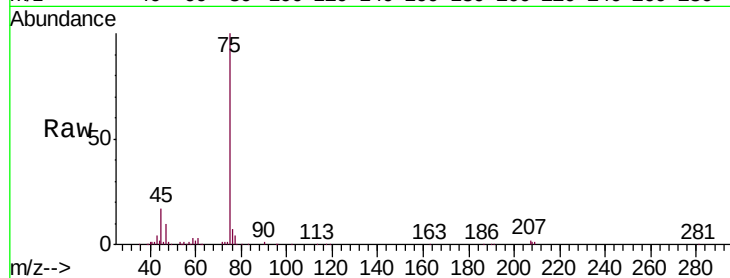
JC-02-021119-J

Tgt Ion: 77 Resp: 5271

Ion Ratio Lower Upper

77 100

97 0.5 11.5 34.5#



#31

Cyclohexane

Concen: 1.181 ug/l

RT: 7.95 min Scan# 991

Delta R.T. -0.01 min

Lab File: VW008633.D

Acq: 12 Feb 2019 19:52

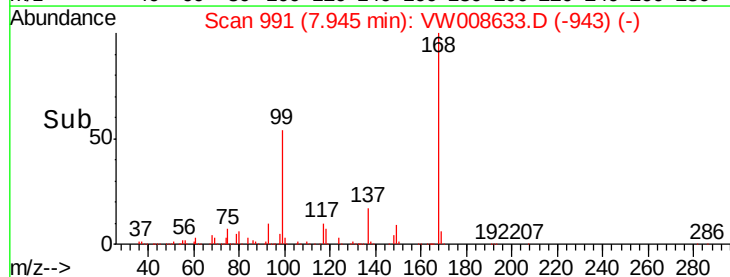
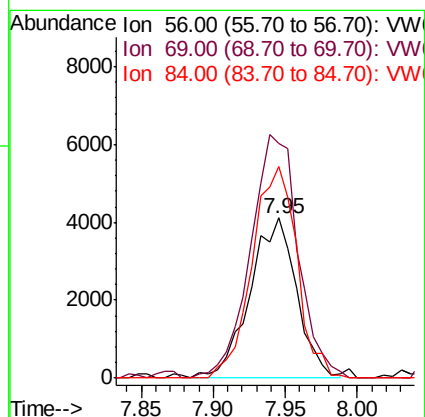
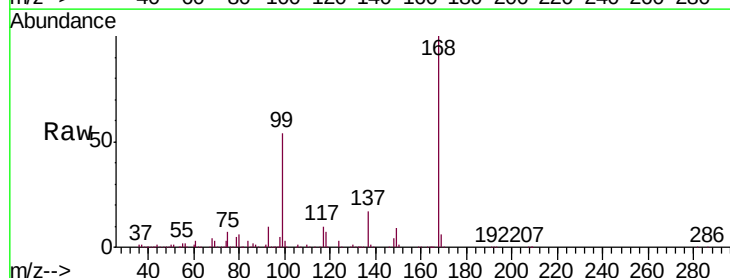
Tgt Ion: 56 Resp: 9253

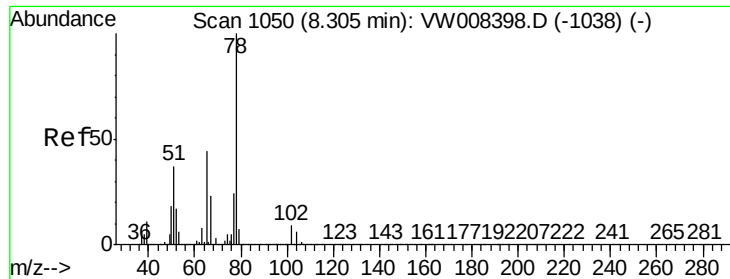
Ion Ratio Lower Upper

56 100

69 146.3 26.4 39.6#

84 130.8 69.1 103.7#

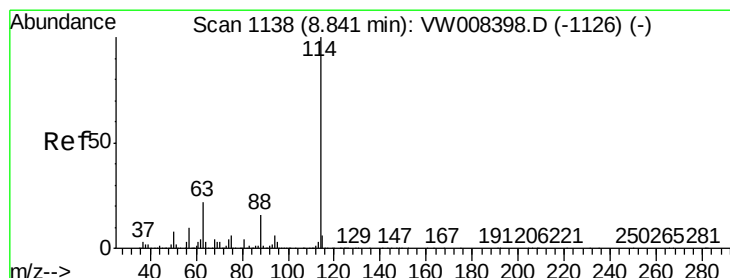
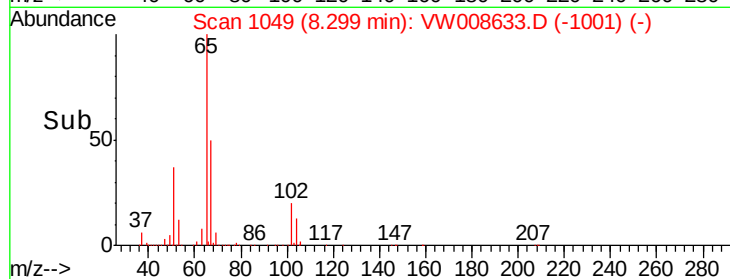
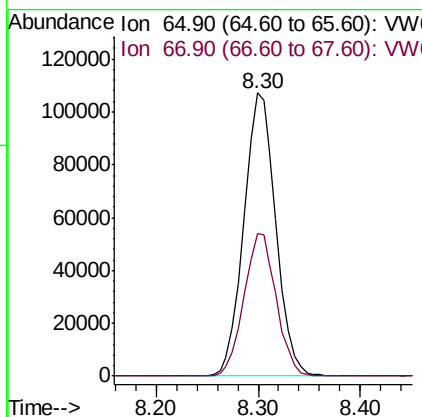
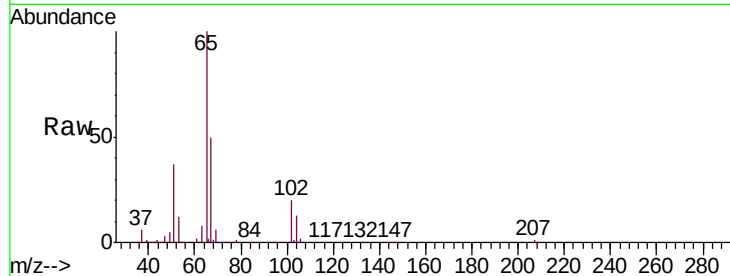




#33
 1,2-Dichloroethane-d4
 Concen: 58.460 ug/l
 RT: 8.30 min Scan# 1049
 Delta R.T. -0.01 min
 Lab File: VW008633.D
 Acq: 12 Feb 2019 19:52

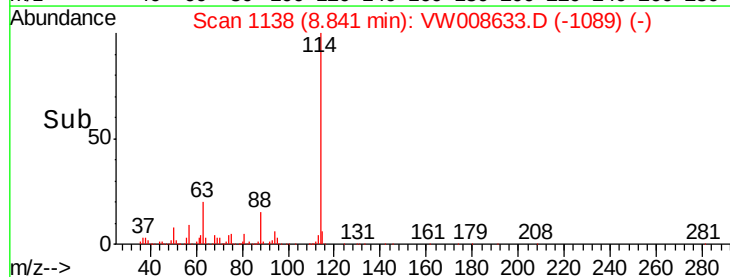
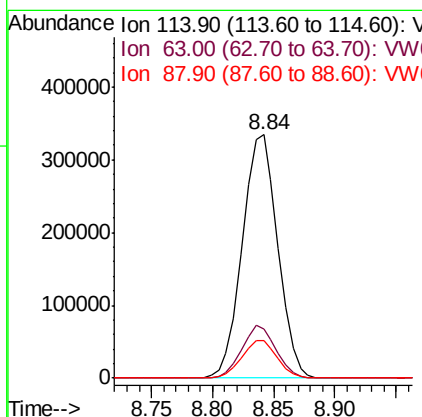
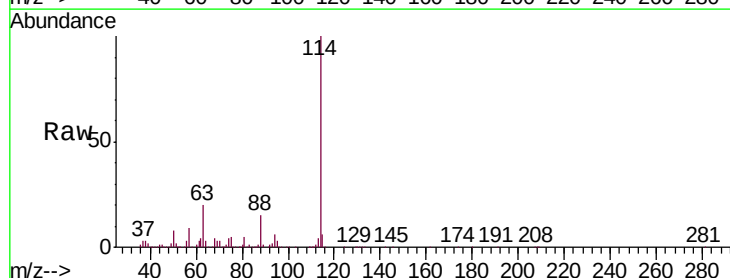
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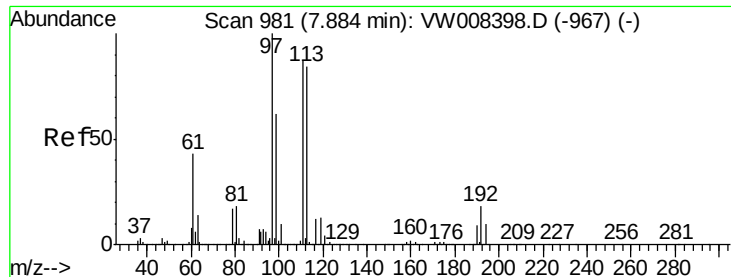
Tgt Ion: 65 Resp: 233337
 Ion Ratio Lower Upper
 65 100
 67 50.9 0.0 104.0



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.84 min Scan# 1138
 Delta R.T. 0.00 min
 Lab File: VW008633.D
 Acq: 12 Feb 2019 19:52

Tgt Ion: 114 Resp: 673172
 Ion Ratio Lower Upper
 114 100
 63 20.3 0.0 43.6
 88 15.3 0.0 31.8

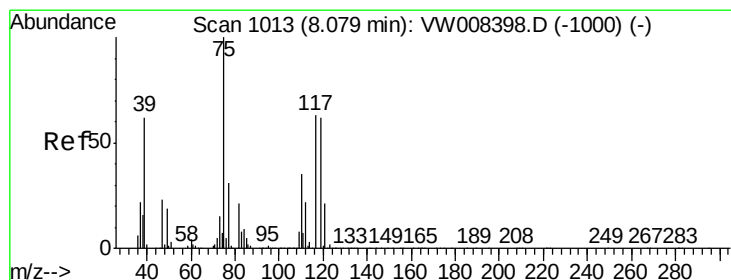
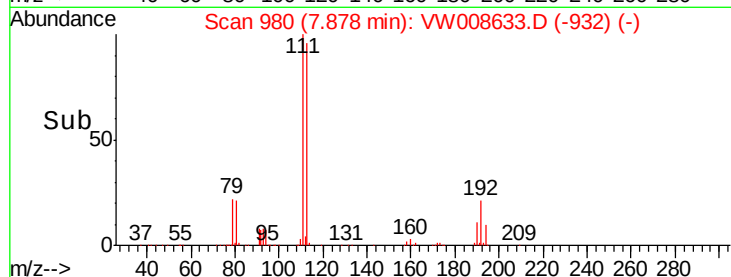
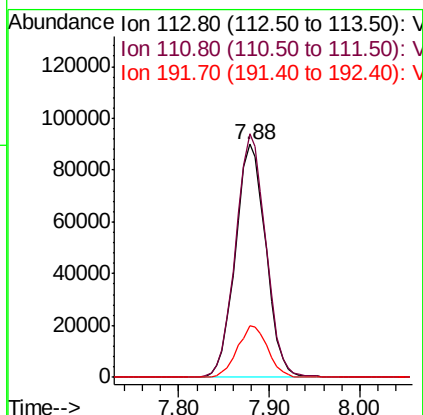
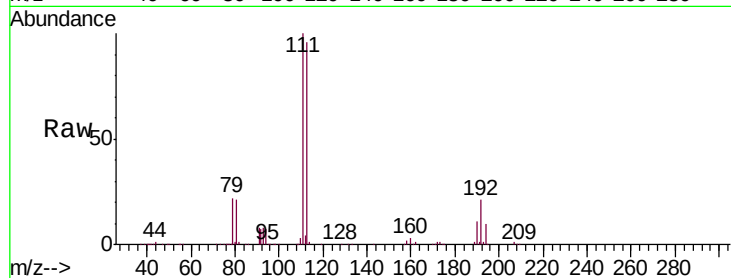




#35
 Dibromofluoromethane
 Concen: 53.252 ug/l
 RT: 7.88 min Scan# 980
 Delta R.T. -0.01 min
 Lab File: VW008633.D
 Acq: 12 Feb 2019 19:52

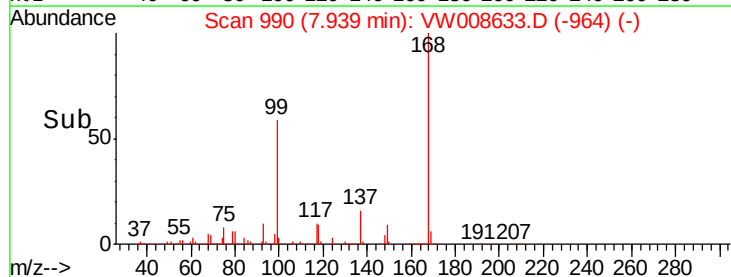
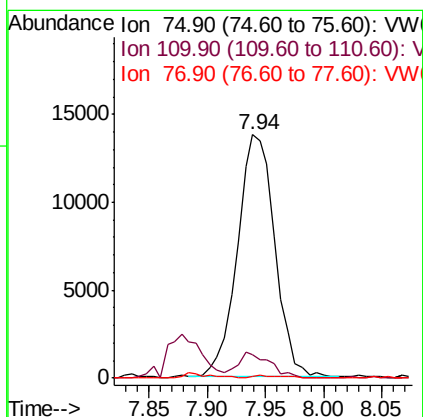
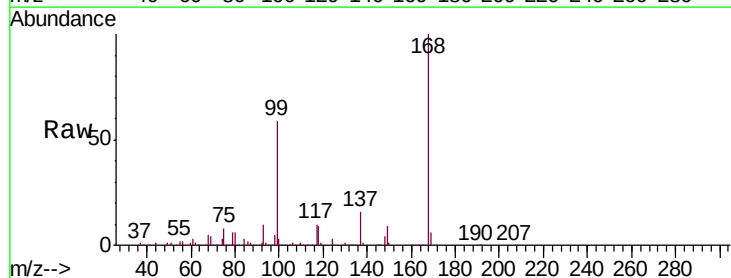
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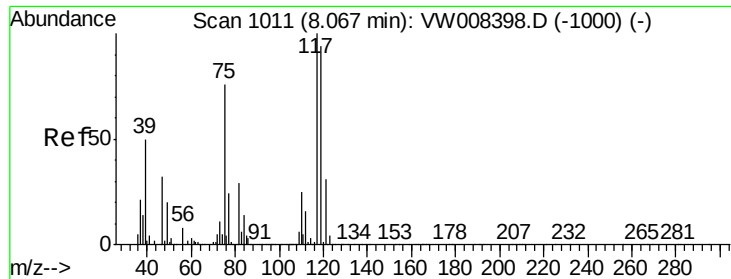
Tgt Ion: 113 Resp: 209614
 Ion Ratio Lower Upper
 113 100
 111 103.8 81.0 121.4
 192 22.0 16.8 25.2



#36
 1,1-Dichloropropene
 Concen: 4.832 ug/l
 RT: 7.94 min Scan# 990
 Delta R.T. -0.14 min
 Lab File: VW008633.D
 Acq: 12 Feb 2019 19:52

Tgt Ion: 75 Resp: 30724
 Ion Ratio Lower Upper
 75 100
 110 9.2 17.3 52.0#
 77 0.7 24.7 37.1#





#38

Carbon Tetrachloride

Concen: 6.244 ug/l

RT: 7.95 min Scan# 991

Delta R.T. -0.12 min

Lab File: VW008633.D

Acq: 12 Feb 2019 19:52

Instrument :

MSVOA_W

ClientSampleId :

JC-02-021119-J

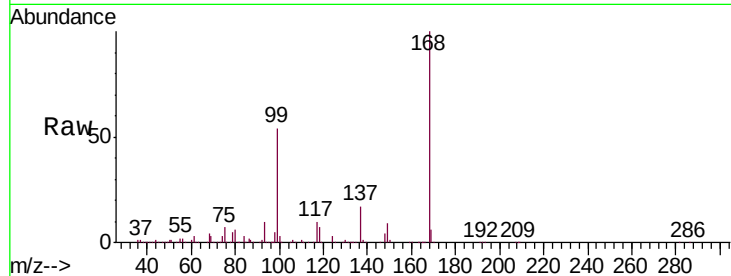
Tgt Ion: 117 Resp: 39954

Ion Ratio Lower Upper

117 100

119 4.4 75.0 112.4#

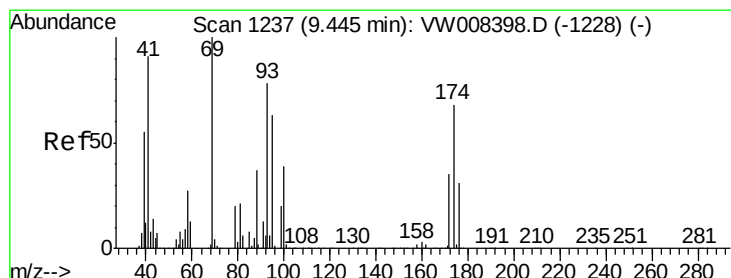
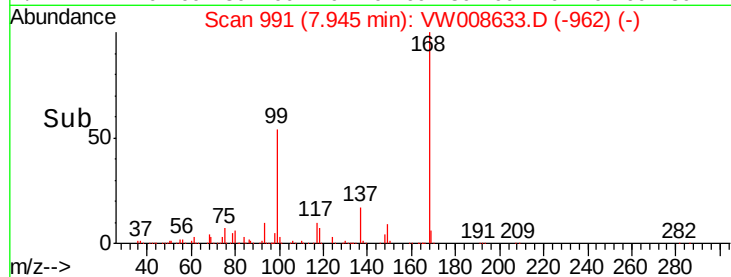
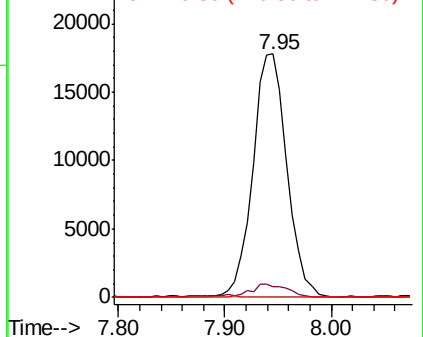
121 0.0 24.9 37.3#



Abundance Ion 116.80 (116.50 to 117.50): V

Ion 118.80 (118.50 to 119.50): V

Ion 120.80 (120.50 to 121.50): V



#49

1,4-Dioxane

Concen: 1.464 ug/l

RT: 9.32 min Scan# 1217

Delta R.T. -0.12 min

Lab File: VW008633.D

Acq: 12 Feb 2019 19:52

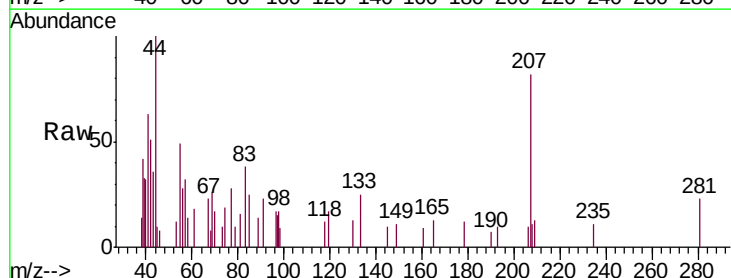
Tgt Ion: 88 Resp: 56

Ion Ratio Lower Upper

88 100

43 0.0 29.0 43.4#

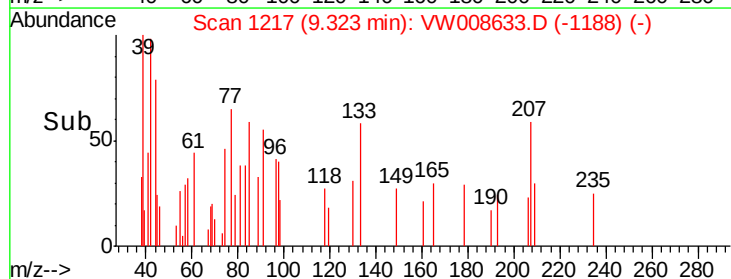
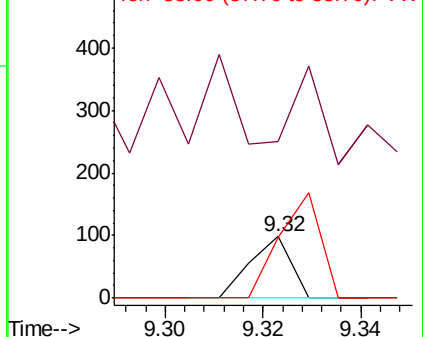
58 173.2 56.4 84.6#

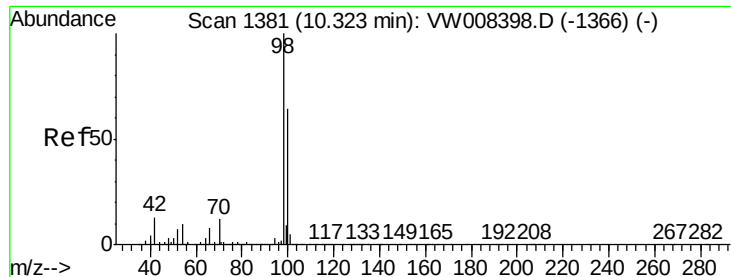


Abundance Ion 88.00 (87.70 to 88.70): VW

Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW





#50

Toluene-d8

Concen: 51.003 ug/l

RT: 10.32 min Scan# 1381

Delta R.T. 0.00 min

Lab File: VW008633.D

Acq: 12 Feb 2019 19:52

Instrument :

MSVOA_W

ClientSampleId :

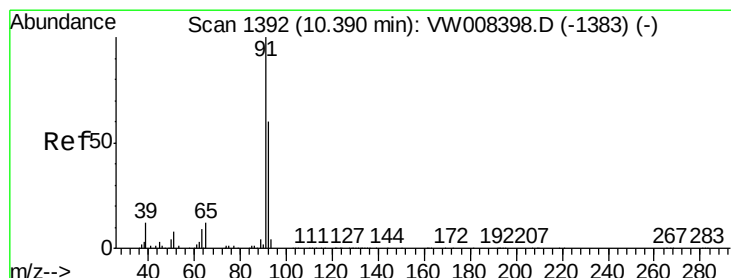
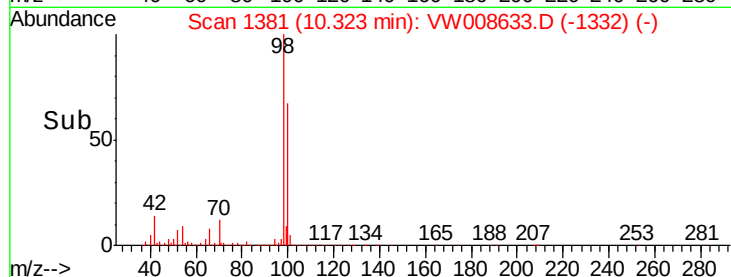
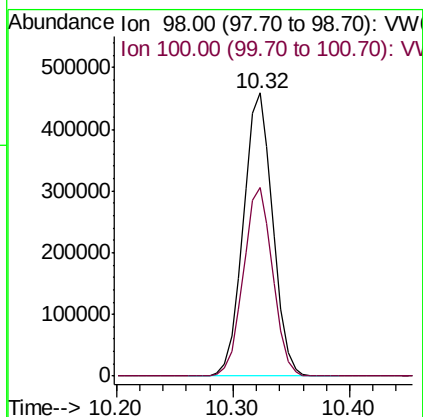
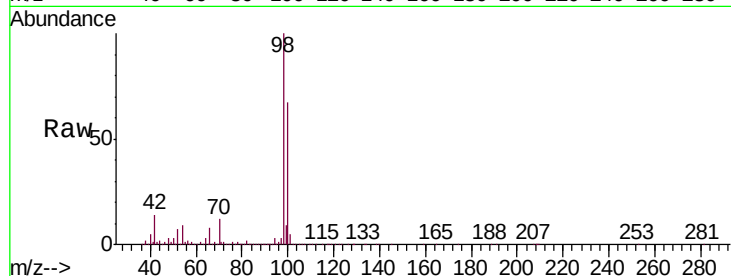
JC-02-021119-J

Tgt Ion: 98 Resp: 805069

Ion Ratio Lower Upper

98 100

100 66.4 52.6 78.8



#52

Toluene

Concen: 1.788 ug/l

RT: 10.38 min Scan# 1391

Delta R.T. -0.01 min

Lab File: VW008633.D

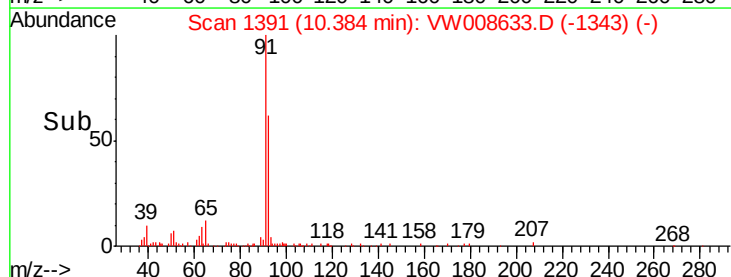
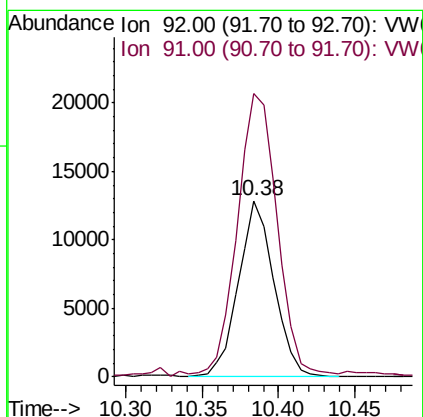
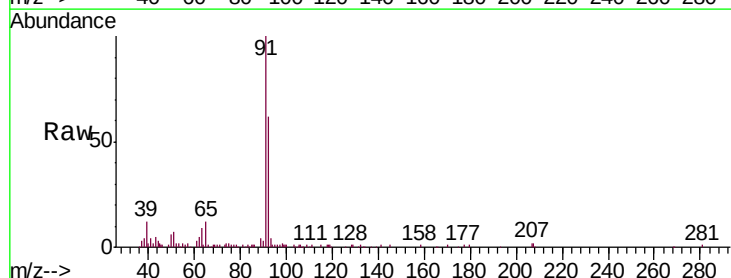
Acq: 12 Feb 2019 19:52

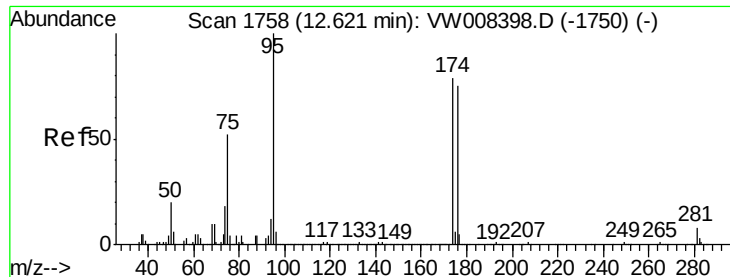
Tgt Ion: 92 Resp: 20828

Ion Ratio Lower Upper

92 100

91 174.1 135.5 203.3





#62

4-Bromofluorobenzene

Concen: 48.706 ug/l

RT: 12.62 min Scan# 1757

Delta R.T. -0.01 min

Lab File: VW008633.D

Acq: 12 Feb 2019 19:52

Instrument :

MSVOA_W

ClientSampleId :

JC-02-021119-J

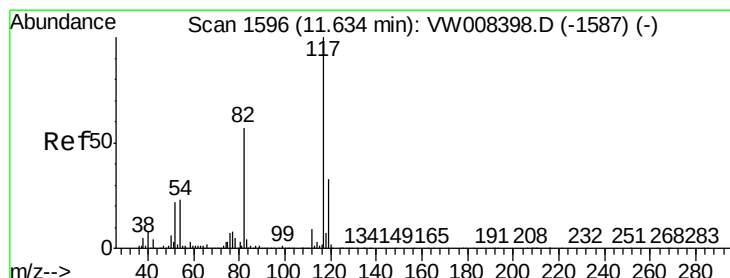
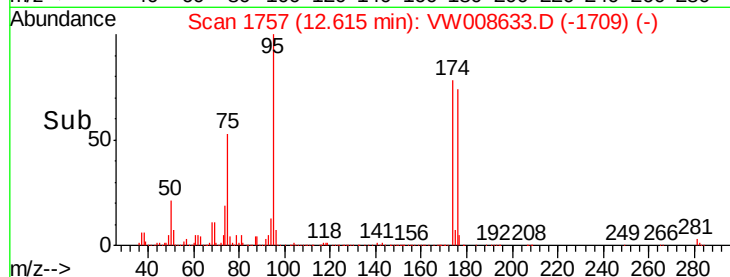
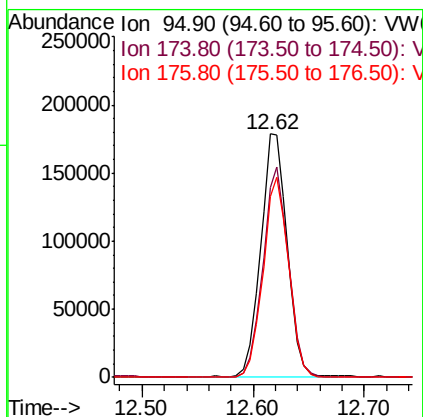
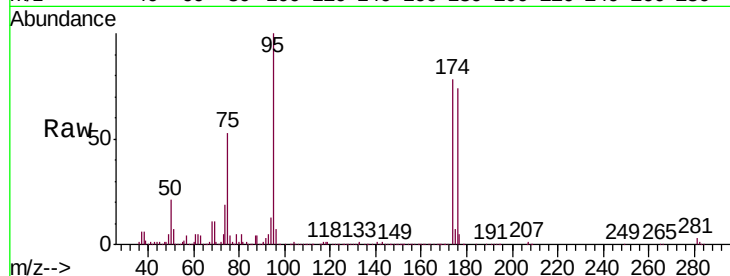
Tgt Ion: 95 Resp: 295514

Ion Ratio Lower Upper

95 100

174 83.4 0.0 157.6

176 79.7 0.0 151.8



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.63 min Scan# 1595

Delta R.T. -0.01 min

Lab File: VW008633.D

Acq: 12 Feb 2019 19:52

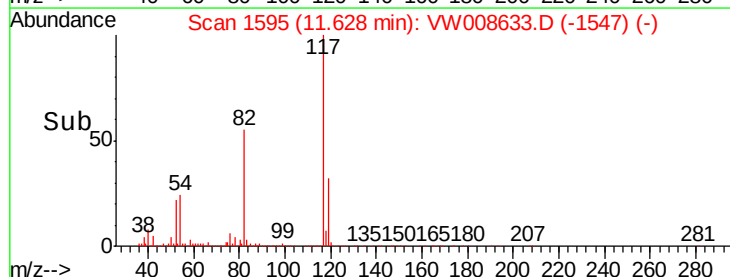
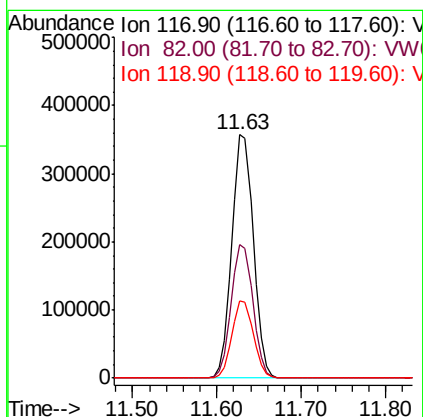
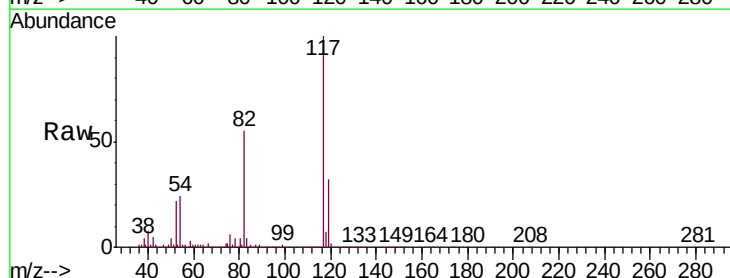
Tgt Ion: 117 Resp: 612643

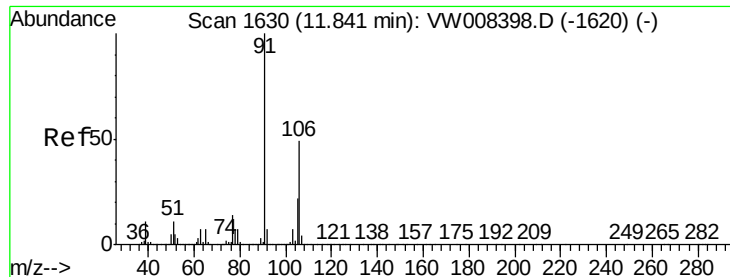
Ion Ratio Lower Upper

117 100

82 54.7 45.4 68.0

119 31.9 26.2 39.4

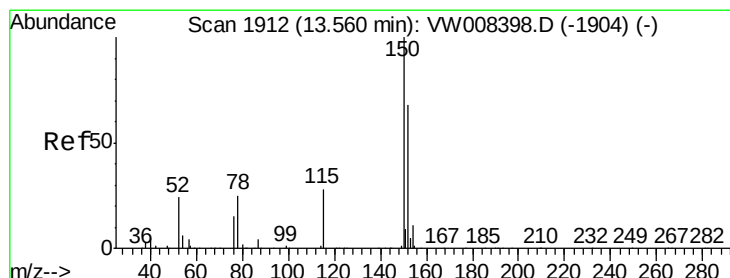
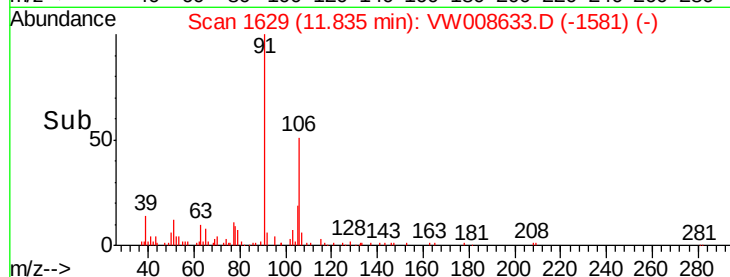
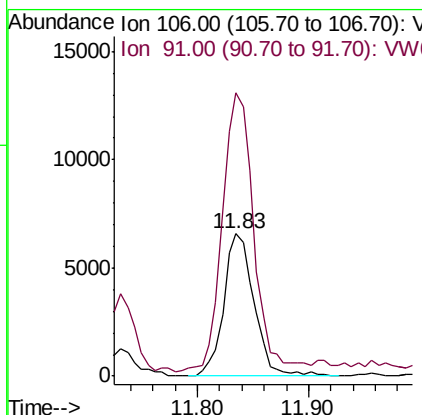
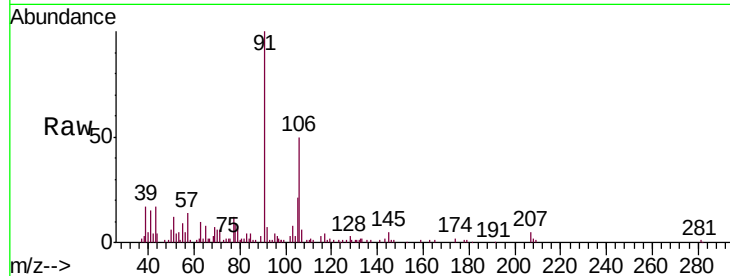




#68
m/p-Xylenes
Concen: 1.390 ug/l
RT: 11.83 min Scan# 1629
Delta R.T. -0.01 min
Lab File: VW008633.D
Acq: 12 Feb 2019 19:52

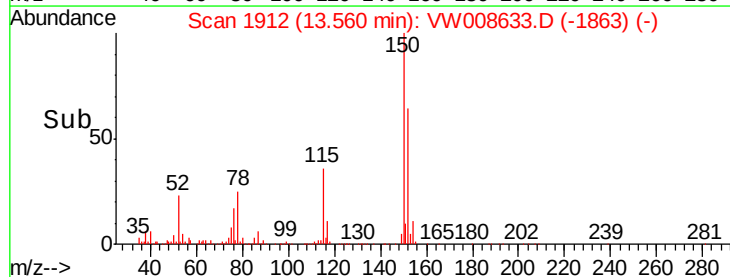
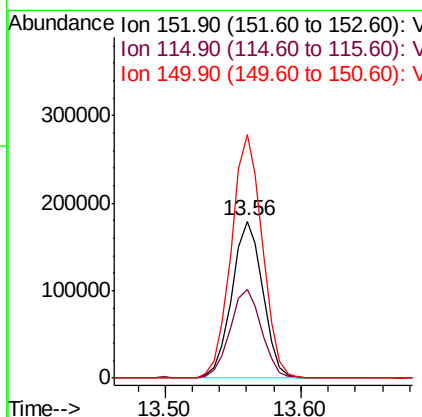
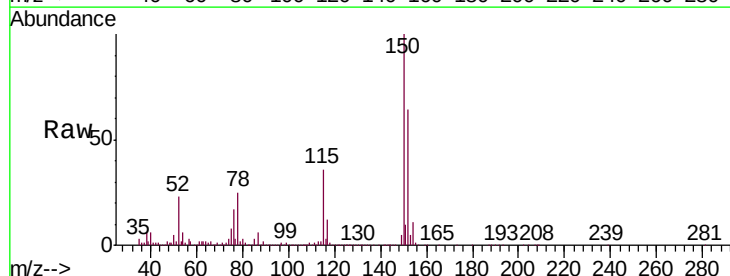
Instrument :
MSVOA_W
ClientSampleId :
JC-02-021119-J

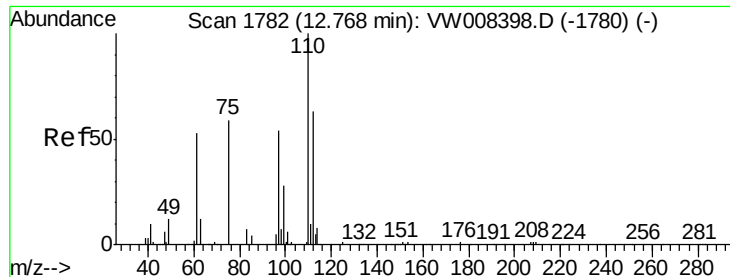
Tgt Ion:106 Resp: 12401
Ion Ratio Lower Upper
106 100
91 205.1 162.9 244.3



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.56 min Scan# 1912
Delta R.T. 0.00 min
Lab File: VW008633.D
Acq: 12 Feb 2019 19:52

Tgt Ion:152 Resp: 282734
Ion Ratio Lower Upper
152 100
115 57.4 29.9 89.7
150 155.9 0.0 351.4





#76

1,2,3-Trichloropropane

Concen: 62.145 ug/l

RT: 12.62 min Scan# 1757

Delta R.T. -0.15 min

Lab File: VW008633.D

Acq: 12 Feb 2019 19:52

Instrument :

MSVOA_W

ClientSampleId :

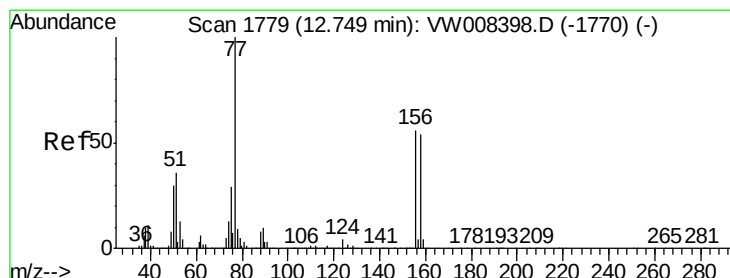
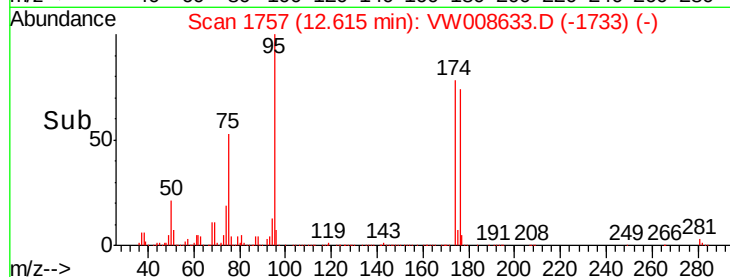
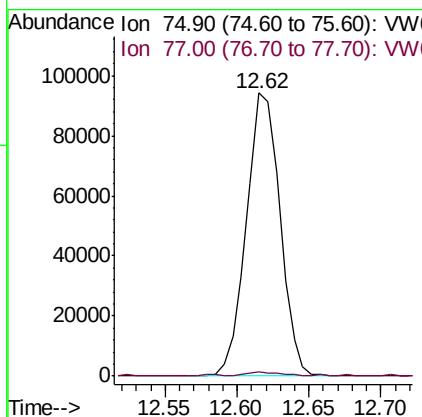
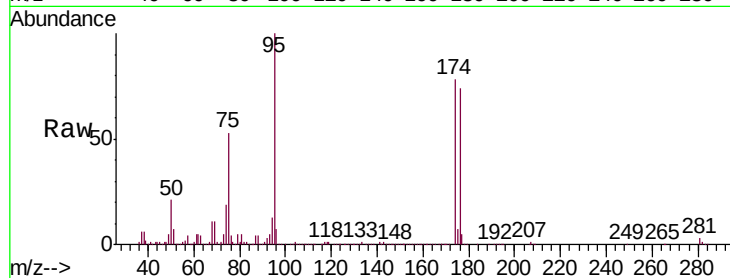
JC-02-021119-J

Tgt Ion: 75 Resp: 152764

Ion Ratio Lower Upper

75 100

77 1.2 180.7 542.1#



#77

Bromobenzene

Concen: 1.589 ug/l

RT: 12.90 min Scan# 1803

Delta R.T. 0.15 min

Lab File: VW008633.D

Acq: 12 Feb 2019 19:52

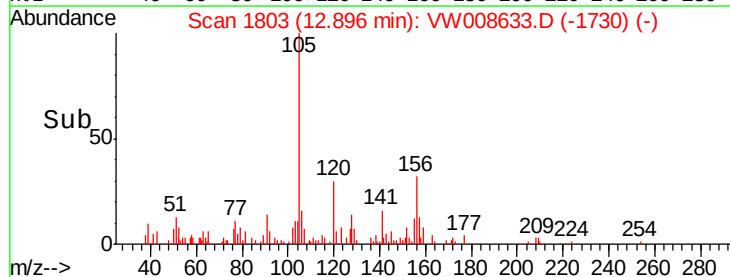
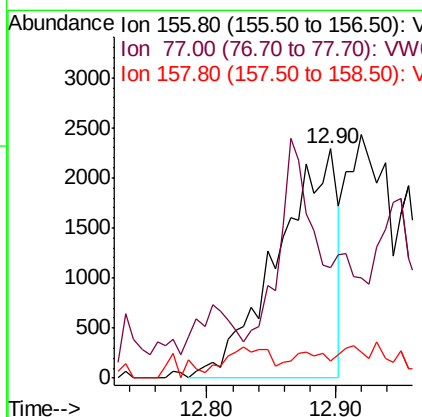
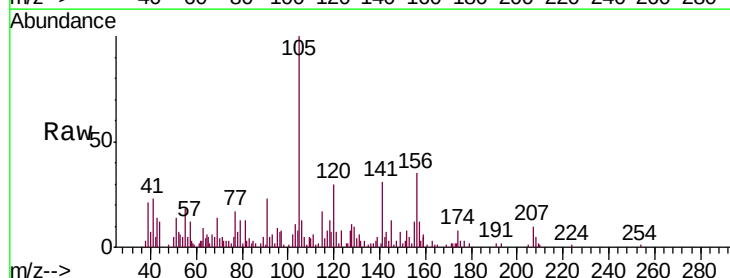
Tgt Ion: 156 Resp: 7315

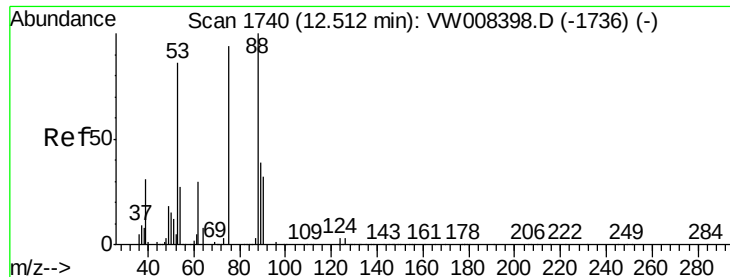
Ion Ratio Lower Upper

156 100

77 0.0 96.9 290.7#

158 2.4 48.8 146.4#

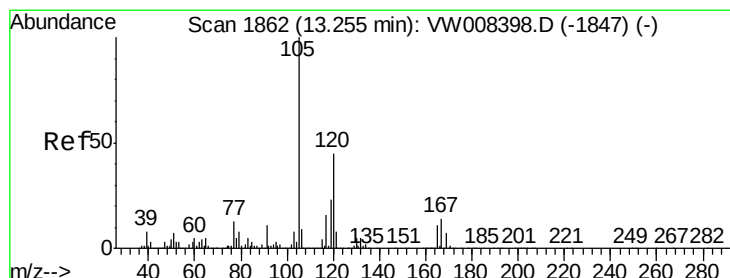
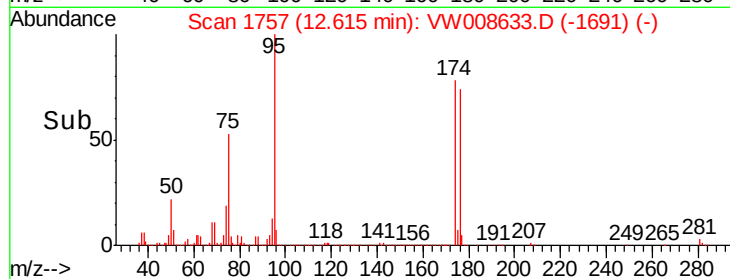
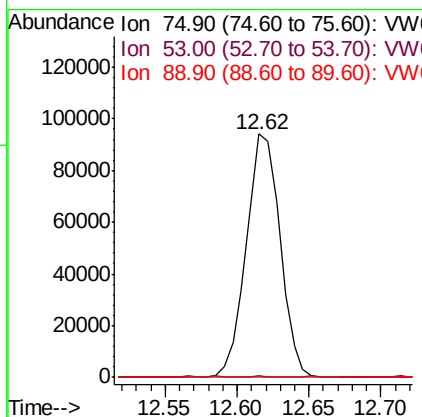
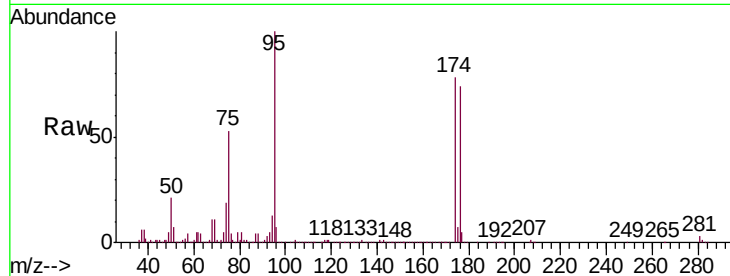




#81
trans-1,4-Dichloro-2-butene
Concen: 122.742 ug/l
RT: 12.62 min Scan# 1757
Delta R.T. 0.10 min
Lab File: VW008633.D
Acq: 12 Feb 2019 19:52

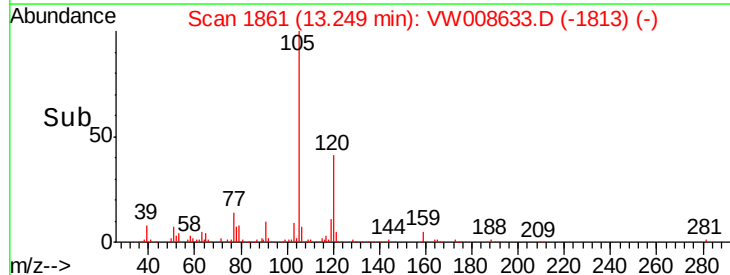
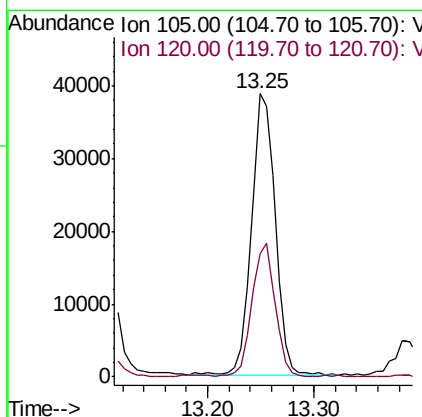
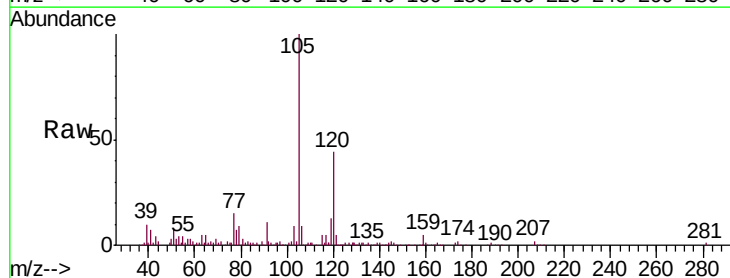
Instrument :
MSVOA_W
ClientSampleId :
JC-02-021119-J

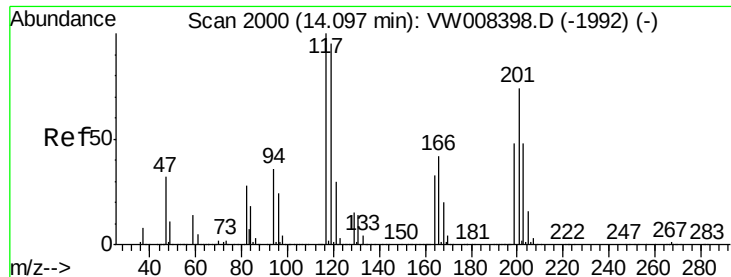
Tgt Ion: 75 Resp: 152764
Ion Ratio Lower Upper
75 100
53 0.3 76.0 114.0#
89 0.1 35.4 53.0#



#84
1,2,4-Trimethylbenzene
Concen: 3.375 ug/l
RT: 13.25 min Scan# 1861
Delta R.T. -0.01 min
Lab File: VW008633.D
Acq: 12 Feb 2019 19:52

Tgt Ion: 105 Resp: 60441
Ion Ratio Lower Upper
105 100
120 46.7 23.1 69.2





#90

Hexachloroethane

Concen: 1.429 ug/l

RT: 14.10 min Scan# 2000

Delta R.T. 0.00 min

Lab File: VW008633.D

Acq: 12 Feb 2019 19:52

Instrument :

MSVOA_W

ClientSampleId :

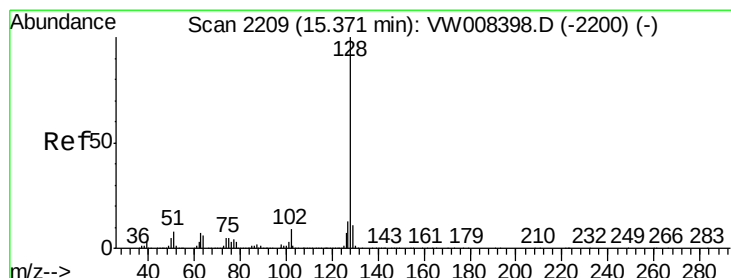
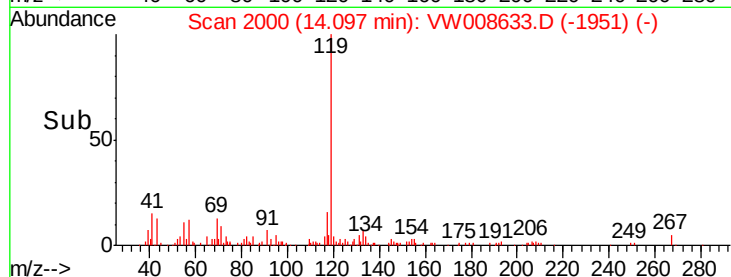
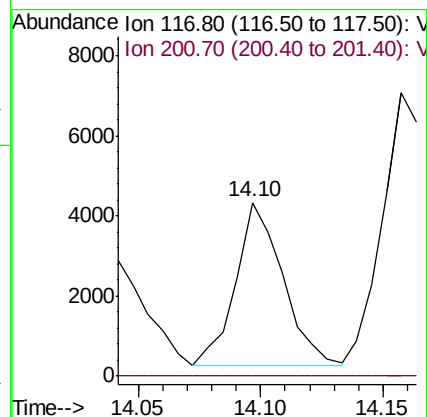
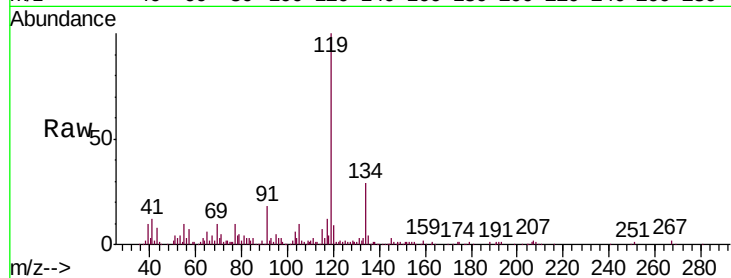
JC-02-021119-J

Tgt Ion:117 Resp: 5480

Ion Ratio Lower Upper

117 100

201 0.0 39.1 117.5#



#95

Naphthalene

Concen: 4.006 ug/l

RT: 15.37 min Scan# 2209

Delta R.T. 0.00 min

Lab File: VW008633.D

Acq: 12 Feb 2019 19:52

Tgt Ion:128 Resp: 41295

Ion Ratio Lower Upper

128 100

127 11.3 10.6 15.8

129 7.8 8.7 13.1#

