

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW031119\
 Data File : VW009117.D
 Acq On : 12 Mar 2019 06:38
 Operator : SY/VA
 Sample : K1847-11
 Misc : 7.79G/5ML/MSVOA_W/SOIL
 ALS Vial : 46 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 SUP-7B-G-11-031119

Quant Time: Mar 12 08:20:40 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W030719S.M
 Quant Title : SW846 8260
 QLast Update : Fri Mar 08 05:22:30 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	295575	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	472487	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	410620	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	177007	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	164650	55.37	ug/l	0.00
Spiked Amount 50.000			Recovery	=	110.74%	
35) Dibromofluoromethane	7.88	113	143744	50.53	ug/l	0.00
Spiked Amount 50.000			Recovery	=	101.06%	
50) Toluene-d8	10.32	98	569238	48.72	ug/l	0.00
Spiked Amount 50.000			Recovery	=	97.44%	
62) 4-Bromofluorobenzene	12.62	95	179366	39.00	ug/l	0.00
Spiked Amount 50.000			Recovery	=	78.00%	

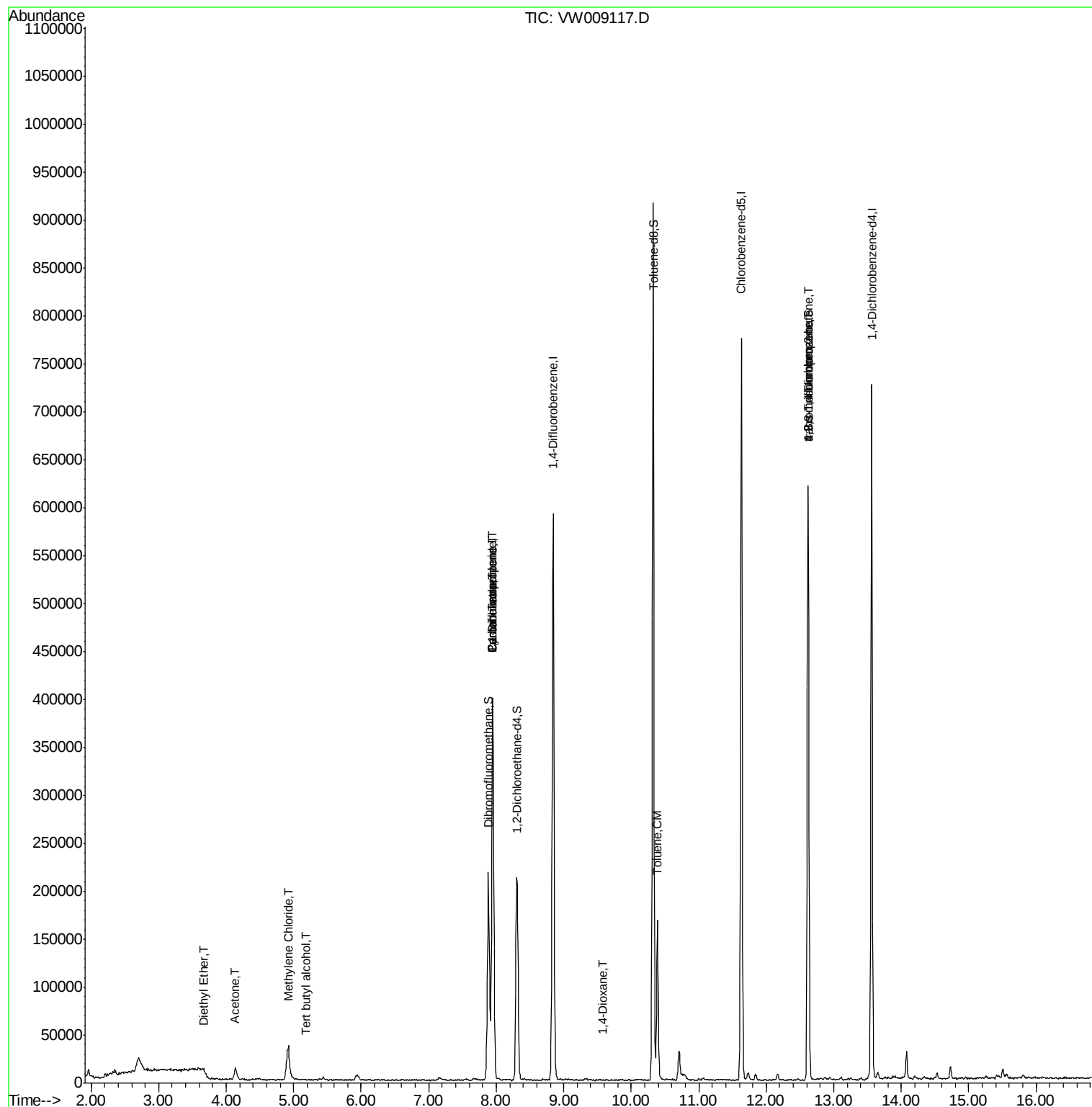
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
8) Diethyl Ether	3.68	74	2689	1.779	ug/l	82
11) Tert butyl alcohol	5.18	59	511	2.242	ug/l #	81
16) Acetone	4.14	43	20954	31.225	ug/l	92
20) Methylene Chloride	4.92	84	25318	2.910	ug/l #	92
31) Cyclohexane	7.95	56	7647	1.379	ug/l #	38
36) 1,1-Dichloropropene	7.95	75	23269	4.710	ug/l #	48
38) Carbon Tetrachloride	7.95	117	29720	5.825	ug/l #	17
49) 1,4-Dioxane	9.58	88	63	2.439	ug/l #	1
52) Toluene	10.38	92	68327	7.639	ug/l	96
76) 1,2,3-Trichloropropane	12.62	75	99858	71.404	ug/l #	1
81) trans-1,4-Dichloro-2-buten	12.62	75	99858	159.711	ug/l #	5

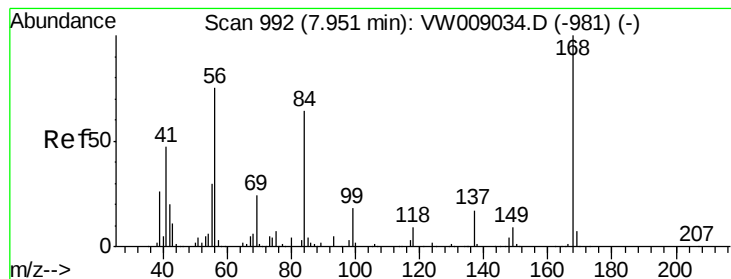
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA_W\DATA\VW031119\
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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.95 min Scan# 992

Delta R.T. 0.00 min

Lab File: VW009117.D

Acq: 12 Mar 2019 06:38

Instrument :

MSVOA_W

ClientSampleId :

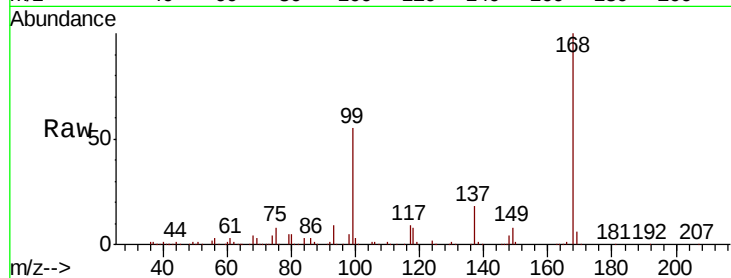
SUP-7B-G-11-031119

Tgt Ion:168 Resp: 295575

Ion Ratio Lower Upper

168 100

99 55.3 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

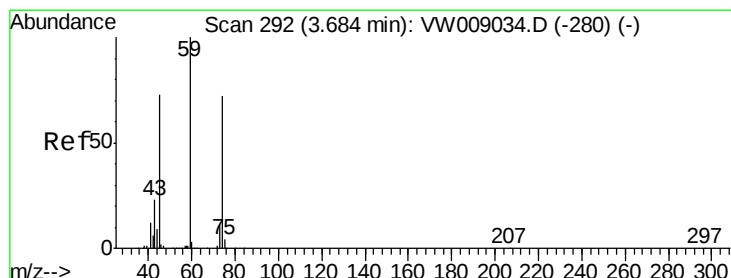
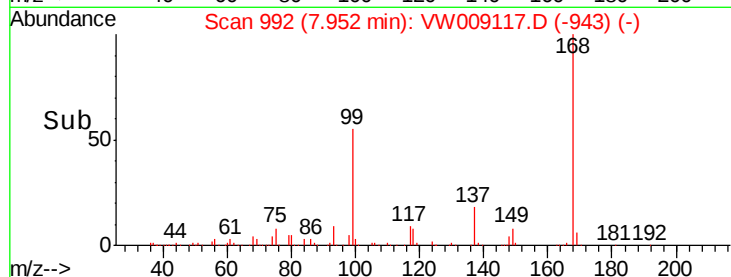
150000

100000

50000

0

Time-->



#8

Diethyl Ether

Concen: 1.779 ug/l

RT: 3.68 min Scan# 291

Delta R.T. -0.01 min

Lab File: VW009117.D

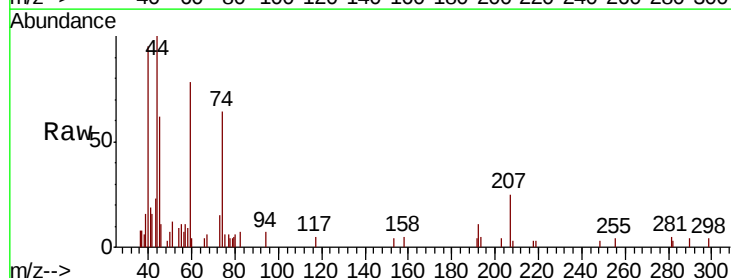
Acq: 12 Mar 2019 06:38

Tgt Ion: 74 Resp: 2689

Ion Ratio Lower Upper

74 100

45 122.9 52.3 157.1



Abundance Ion 74.00 (73.70 to 74.70): VW

Ion 45.00 (44.70 to 45.70): VW

3.68

1200

1000

800

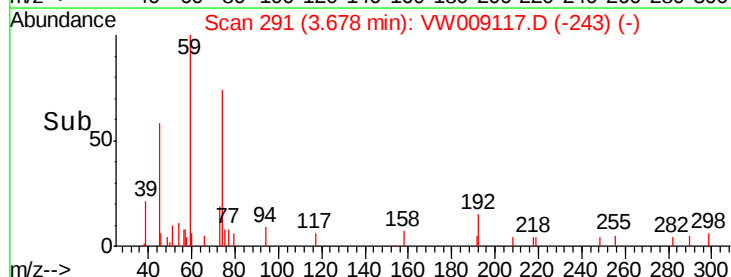
600

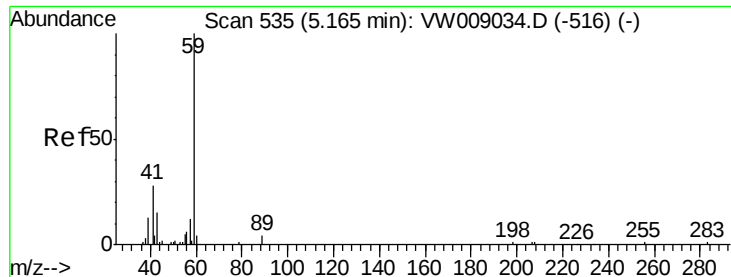
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200

0

Time-->



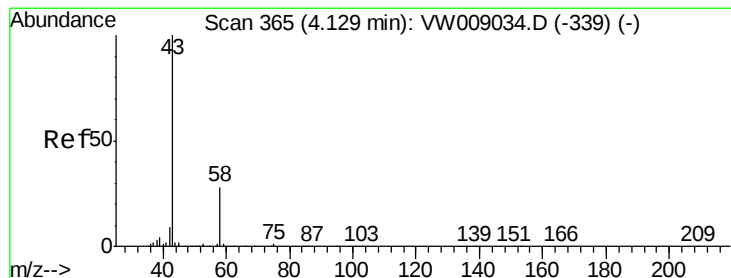
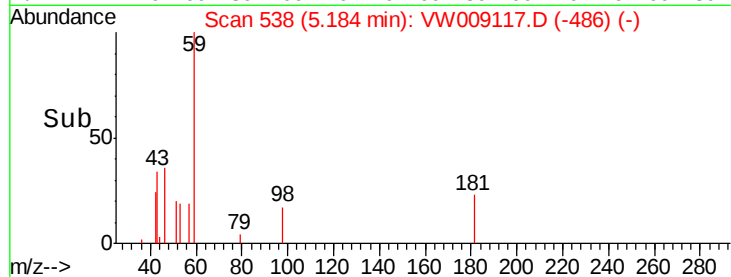
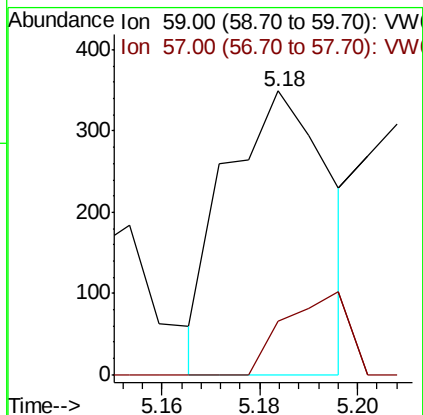
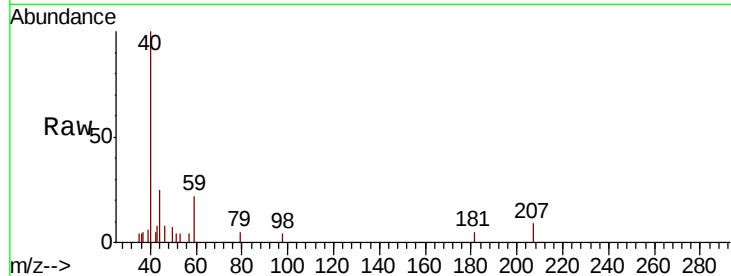


#11

Tert butyl alcohol
Concen: 2.242 ug/l
RT: 5.18 min Scan# 538
Delta R.T. 0.02 min
Lab File: VW009117.D
Acq: 12 Mar 2019 06:38

Instrument :
MSVOA_W
ClientSampleId :
SUP-7B-G-11-031119

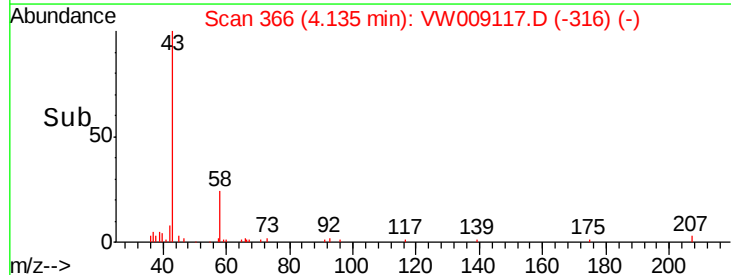
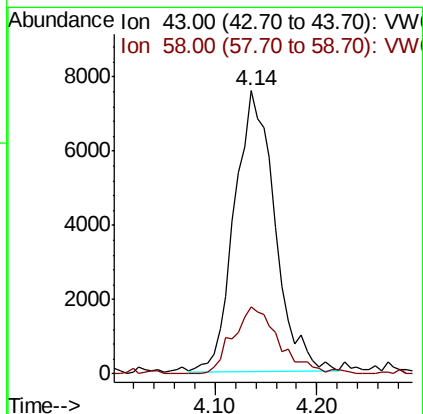
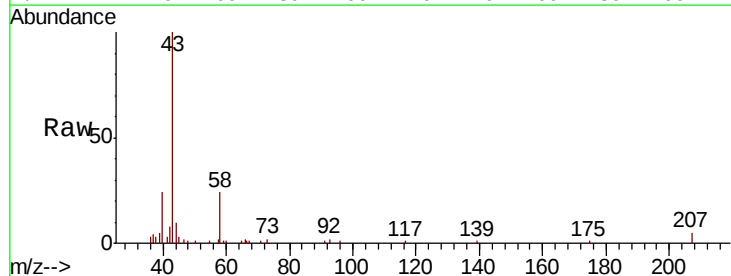
Tgt Ion: 59 Resp: 511
Ion Ratio Lower Upper
59 100
57 17.8 8.6 12.8#

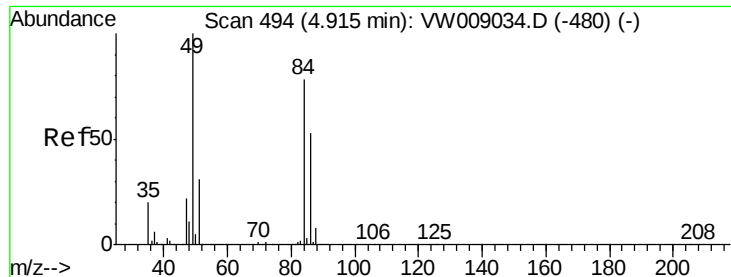


#16

Acetone
Concen: 31.225 ug/l
RT: 4.14 min Scan# 366
Delta R.T. 0.01 min
Lab File: VW009117.D
Acq: 12 Mar 2019 06:38

Tgt Ion: 43 Resp: 20954
Ion Ratio Lower Upper
43 100
58 24.0 22.5 33.7

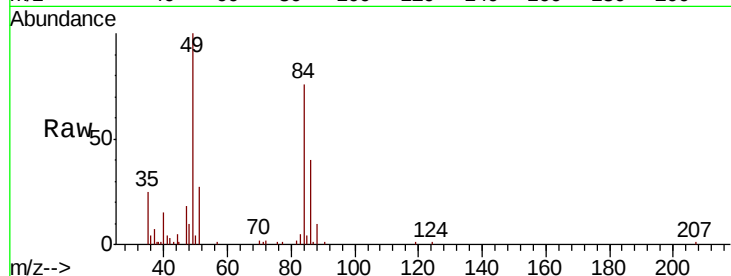




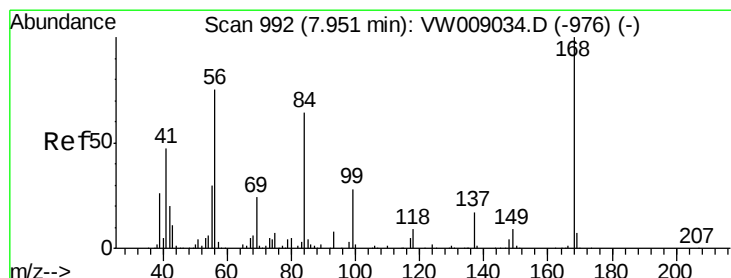
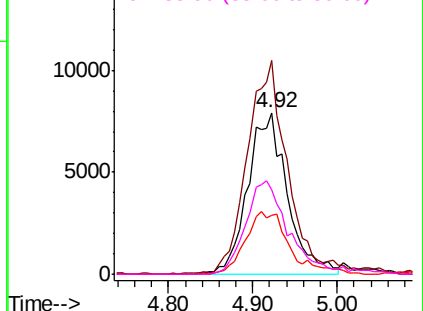
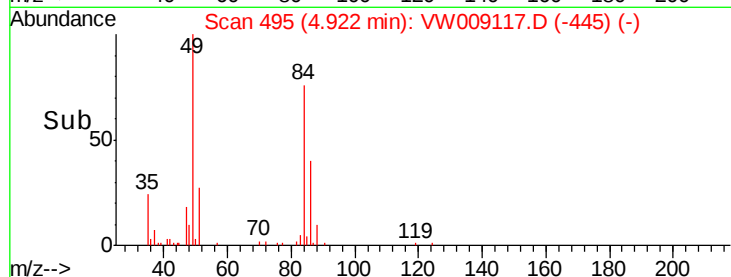
#20
Methylene Chloride
Concen: 2.910 ug/l
RT: 4.92 min Scan# 495
Delta R.T. 0.01 min
Lab File: VW009117.D
Acq: 12 Mar 2019 06:38

Instrument :
MSVOA_W
ClientSampleId :
SUP-7B-G-11-031119

Tgt Ion: 84 Resp: 25318
Ion Ratio Lower Upper
84 100
49 131.3 102.4 153.6
51 36.2 31.6 47.4
86 52.6 54.5 81.7#

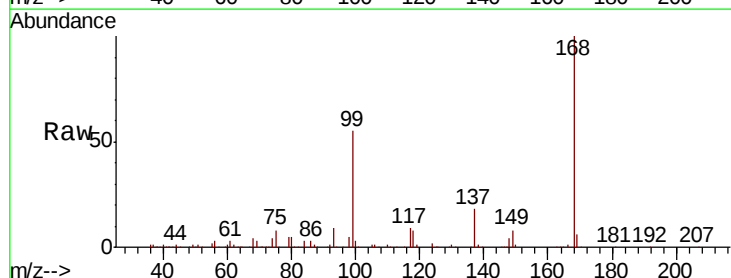


Abundance Ion 83.90 (83.60 to 84.60): VW
Ion 48.90 (48.60 to 49.60): VW
Ion 50.90 (50.60 to 51.60): VW
Ion 85.90 (85.60 to 86.60): VW

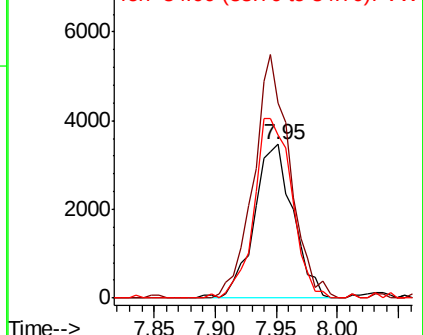
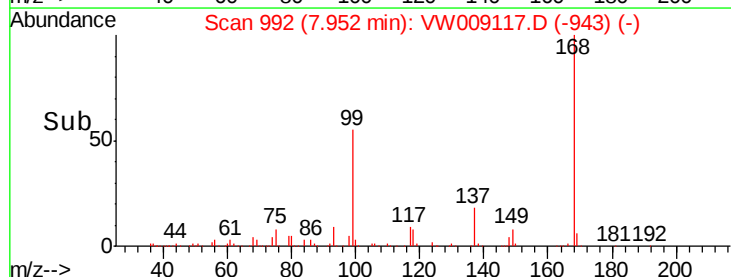


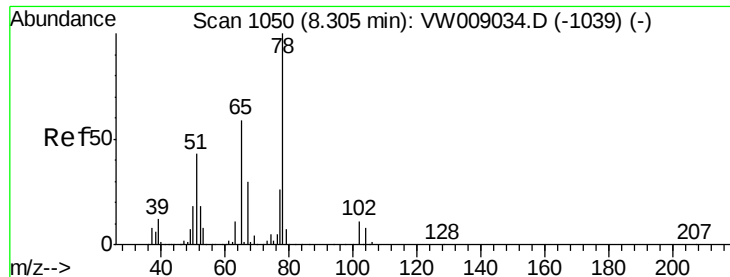
#31
Cyclohexane
Concen: 1.379 ug/l
RT: 7.95 min Scan# 992
Delta R.T. 0.00 min
Lab File: VW009117.D
Acq: 12 Mar 2019 06:38

Tgt Ion: 56 Resp: 7647
Ion Ratio Lower Upper
56 100
69 126.7 25.5 38.3#
84 106.3 68.6 103.0#



Abundance Ion 56.00 (55.70 to 56.70): VW
Ion 69.00 (68.70 to 69.70): VW
Ion 84.00 (83.70 to 84.70): VW

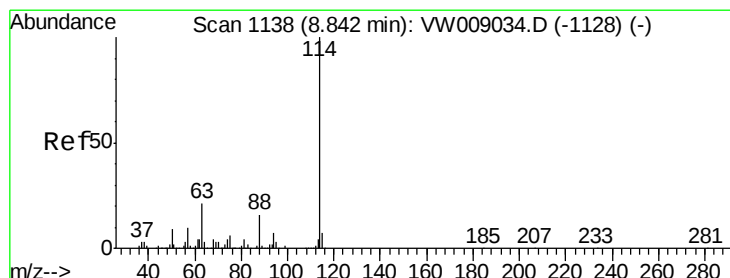
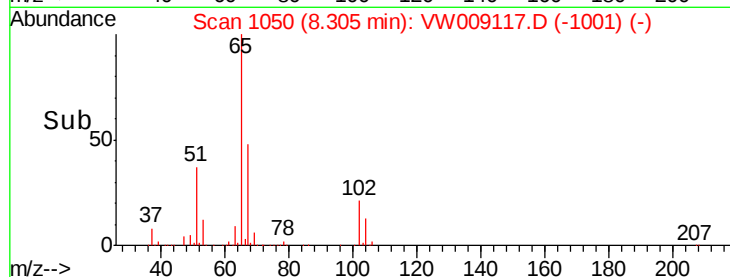
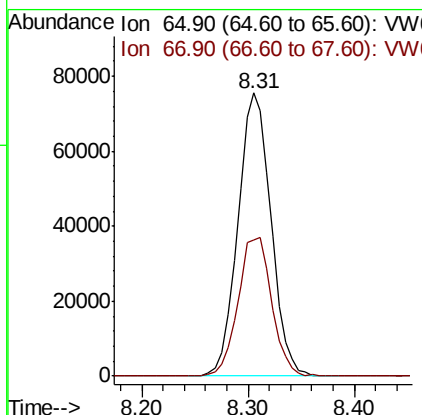
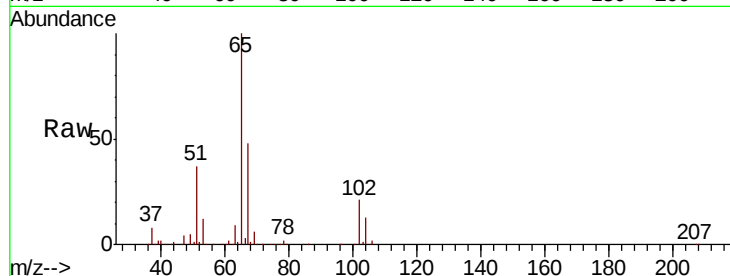




#33
 1,2-Dichloroethane-d4
 Concen: 55.367 ug/l
 RT: 8.31 min Scan# 1050
 Delta R.T. 0.00 min
 Lab File: VW009117.D
 Acq: 12 Mar 2019 06:38

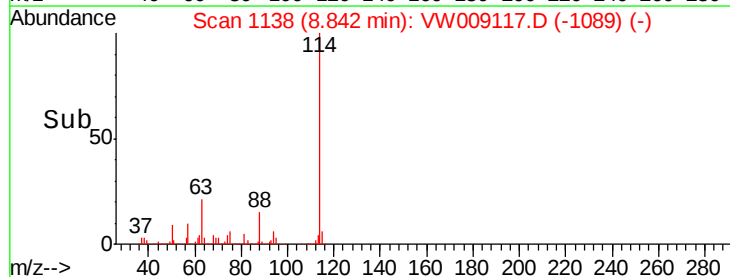
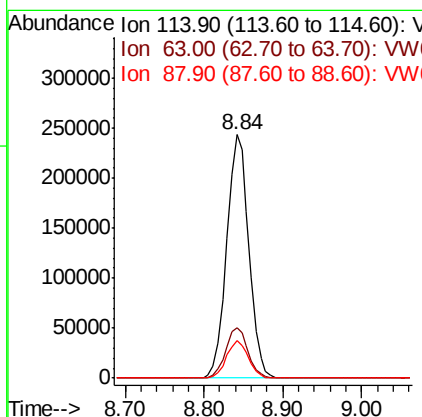
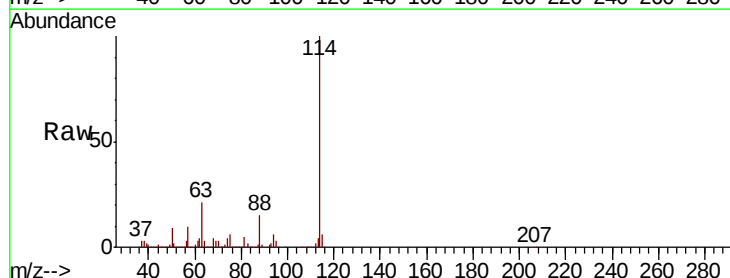
Instrument :
 MSVOA_W
 ClientSampleId :
 SUP-7B-G-11-031119

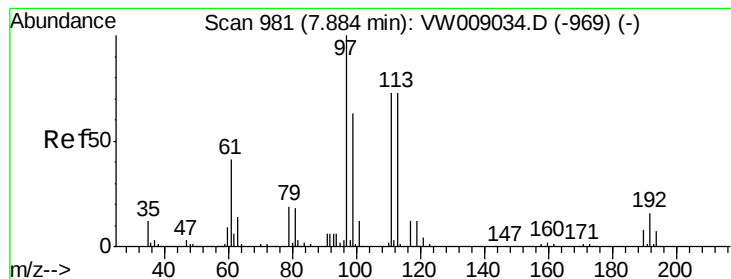
Tgt Ion: 65 Resp: 164650
 Ion Ratio Lower Upper
 65 100
 67 50.1 0.0 103.0



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.84 min Scan# 1138
 Delta R.T. 0.00 min
 Lab File: VW009117.D
 Acq: 12 Mar 2019 06:38

Tgt Ion: 114 Resp: 472487
 Ion Ratio Lower Upper
 114 100
 63 20.8 0.0 41.2
 88 15.4 0.0 31.2





#35

Dibromofluoromethane

Concen: 50.529 ug/l

RT: 7.88 min Scan# 981

Delta R.T. 0.00 min

Lab File: VW009117.D

Acq: 12 Mar 2019 06:38

Instrument :

MSVOA_W

ClientSampleId :

SUP-7B-G-11-031119

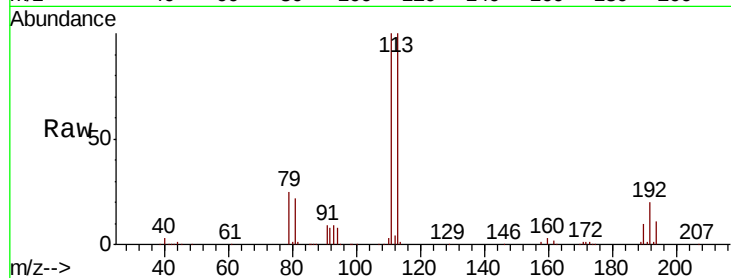
Tgt Ion:113 Resp: 143744

Ion Ratio Lower Upper

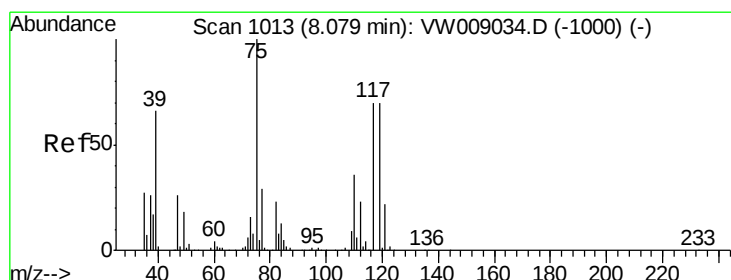
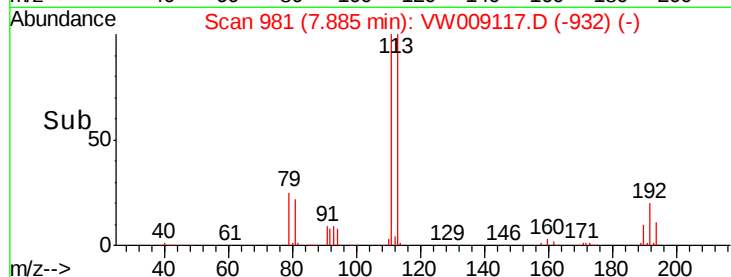
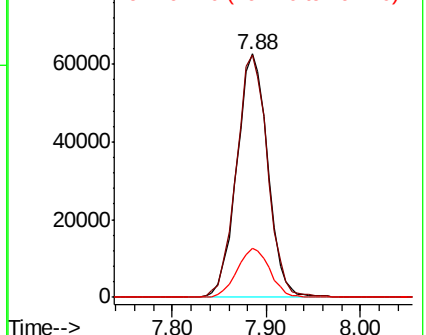
113 100

111 100.6 81.0 121.4

192 21.3 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



#36

1,1-Dichloropropene

Concen: 4.710 ug/l

RT: 7.95 min Scan# 991

Delta R.T. -0.13 min

Lab File: VW009117.D

Acq: 12 Mar 2019 06:38

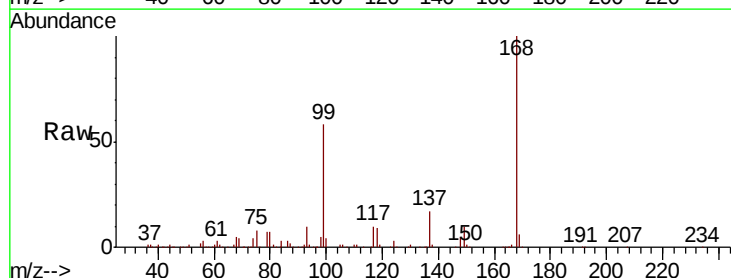
Tgt Ion: 75 Resp: 23269

Ion Ratio Lower Upper

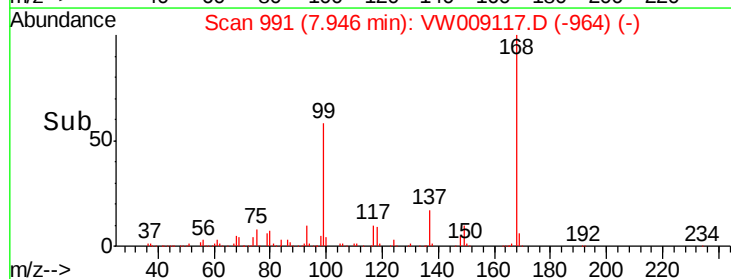
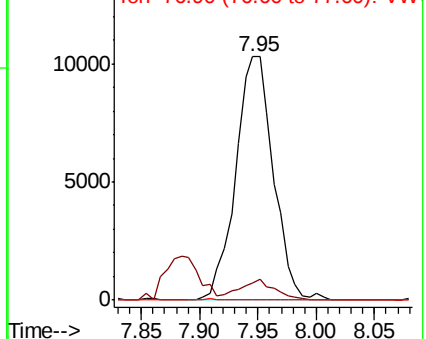
75 100

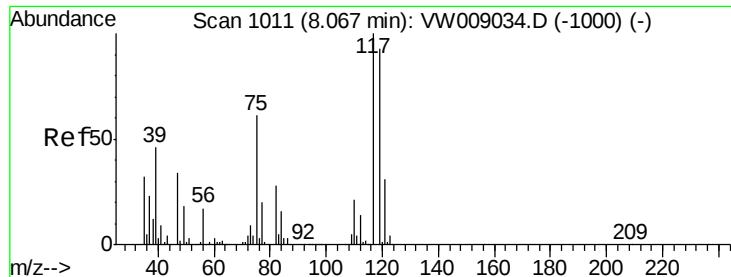
110 7.7 17.6 52.9#

77 0.0 25.1 37.7#



Abundance Ion 74.90 (74.60 to 75.60): VW
Ion 109.90 (109.60 to 110.60): V
Ion 76.90 (76.60 to 77.60): VW





#38

Carbon Tetrachloride

Concen: 5.825 ug/l

RT: 7.95 min Scan# 991

Delta R.T. -0.12 min

Lab File: VW009117.D

Acq: 12 Mar 2019 06:38

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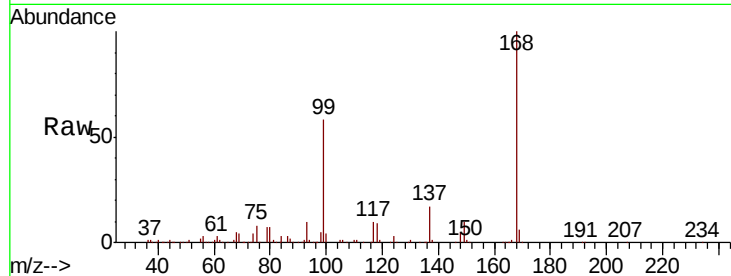
Tgt Ion:117 Resp: 29720

Ion Ratio Lower Upper

117 100

119 5.4 74.6 112.0#

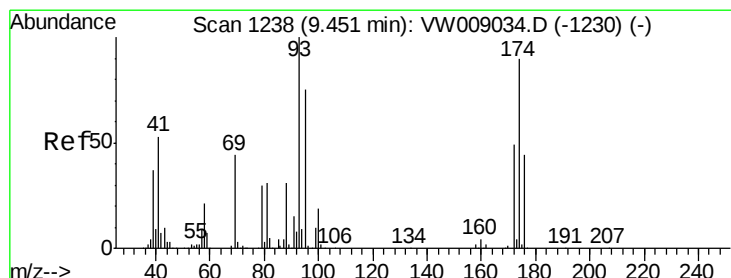
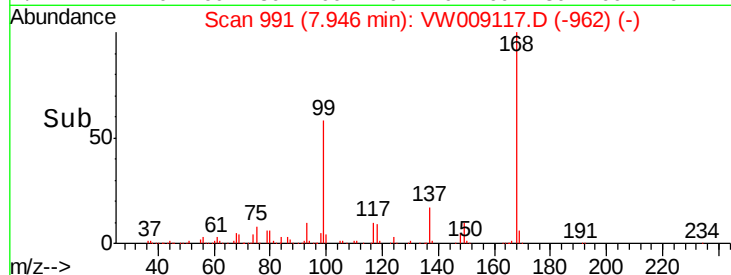
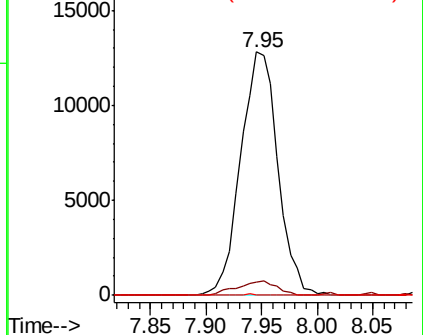
121 0.0 24.7 37.1#



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: 2.439 ug/l

RT: 9.58 min Scan# 1259

Delta R.T. 0.13 min

Lab File: VW009117.D

Acq: 12 Mar 2019 06:38

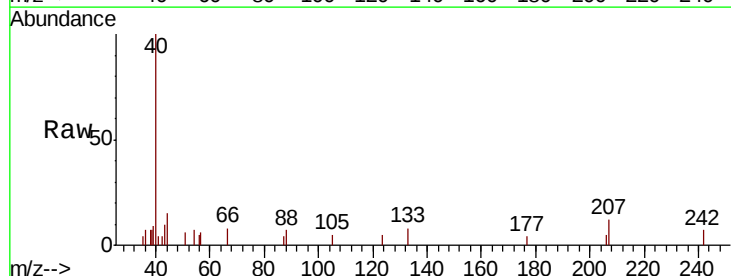
Tgt Ion: 88 Resp: 63

Ion Ratio Lower Upper

88 100

43 195.2 29.0 43.4#

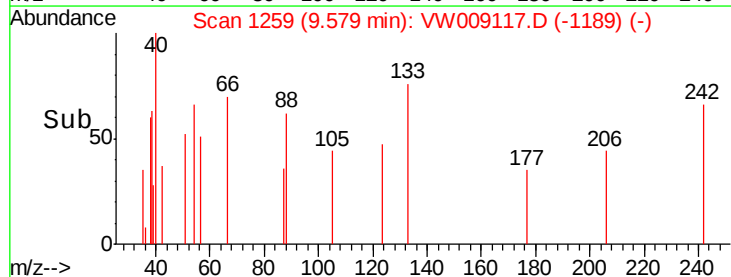
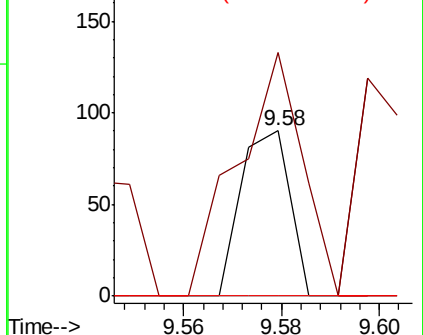
58 0.0 59.2 88.8#

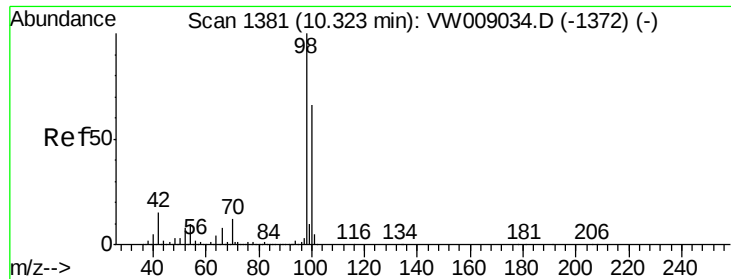


Abundance Ion 88.00 (87.70 to 88.70): VW

Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW





#50

Toluene-d8

Concen: 48.719 ug/l

RT: 10.32 min Scan# 1381

Delta R.T. 0.00 min

Lab File: VW009117.D

Acq: 12 Mar 2019 06:38

Instrument :

MSVOA_W

ClientSampleId :

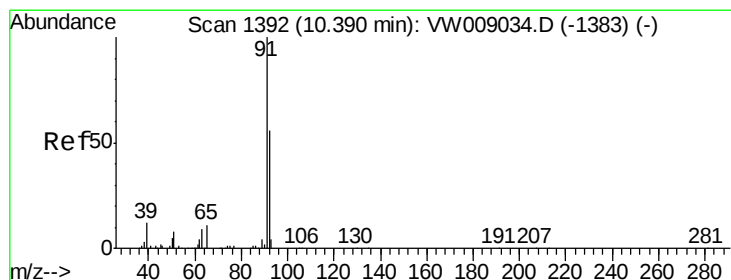
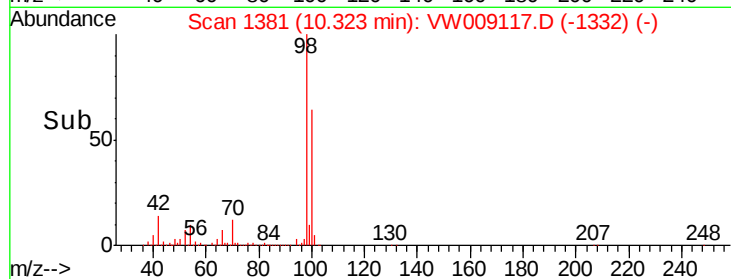
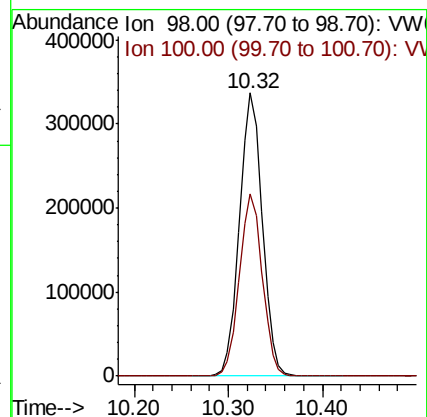
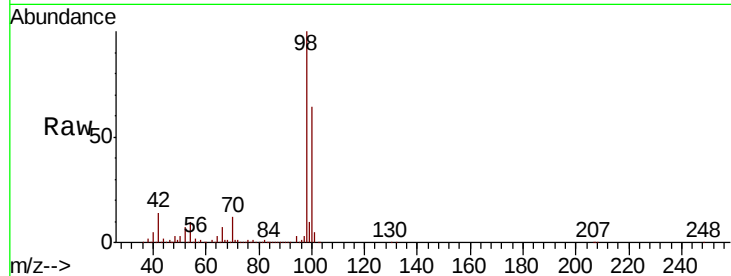
SUP-7B-G-11-031119

Tgt Ion: 98 Resp: 569238

Ion Ratio Lower Upper

98 100

100 64.6 51.9 77.9



#52

Toluene

Concen: 7.639 ug/l

RT: 10.38 min Scan# 1391

Delta R.T. -0.01 min

Lab File: VW009117.D

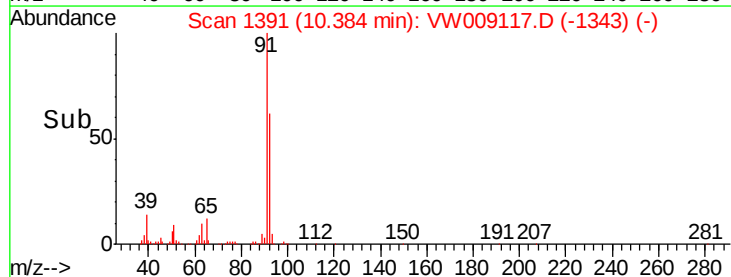
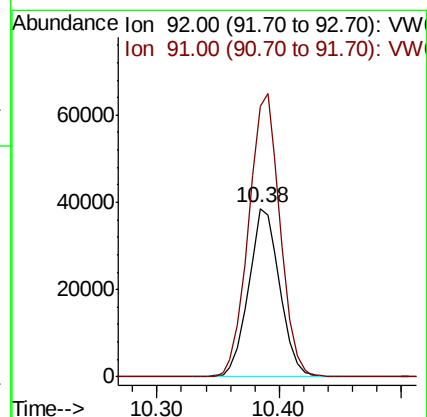
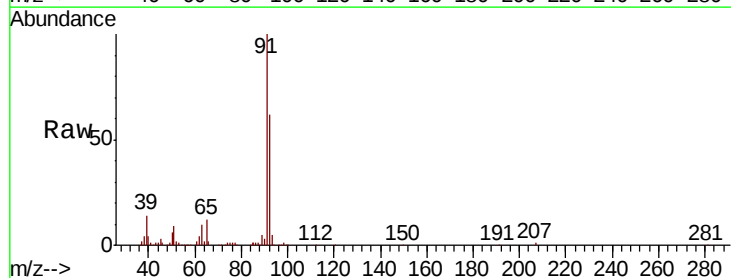
Acq: 12 Mar 2019 06:38

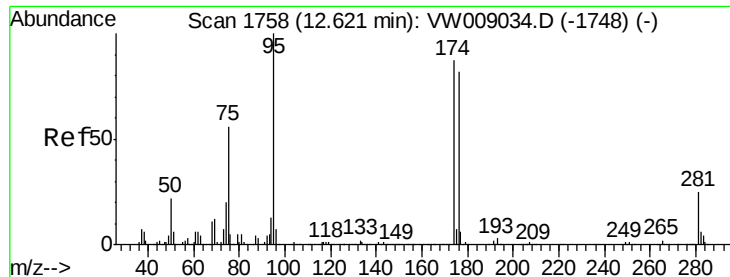
Tgt Ion: 92 Resp: 68327

Ion Ratio Lower Upper

92 100

91 168.7 139.9 209.9

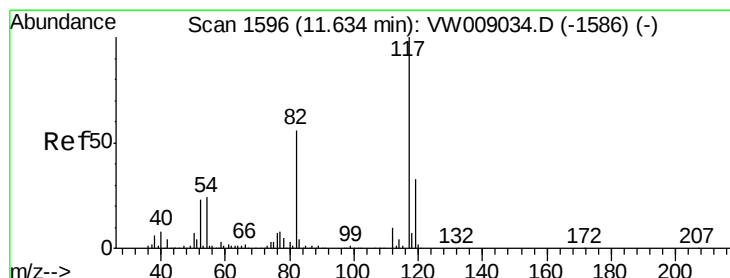
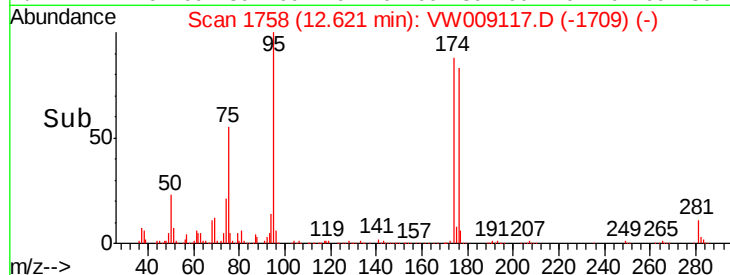
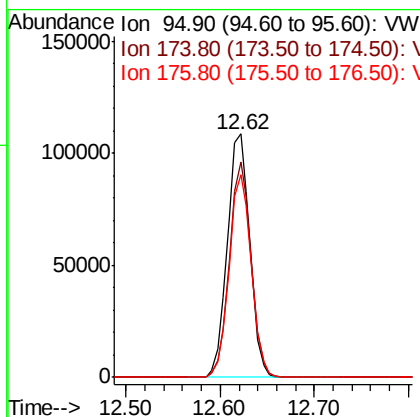
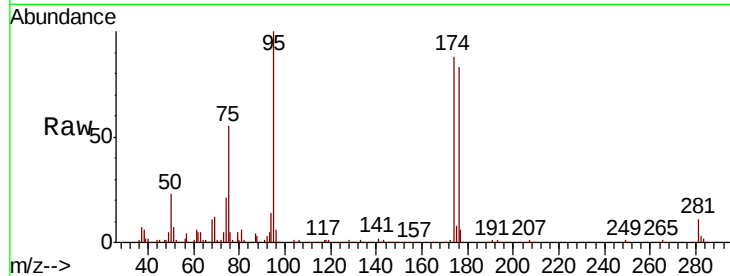




#62
4-Bromofluorobenzene
Concen: 38.997 ug/l
RT: 12.62 min Scan# 1758
Delta R.T. 0.00 min
Lab File: VW009117.D
Acq: 12 Mar 2019 06:38

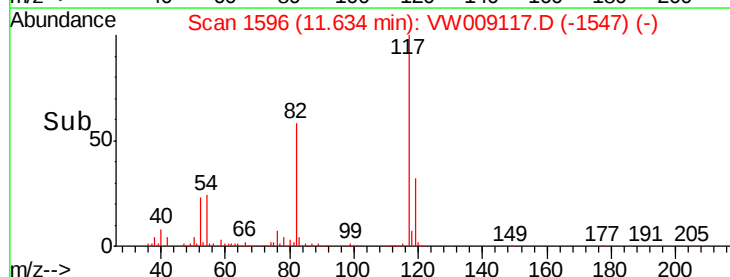
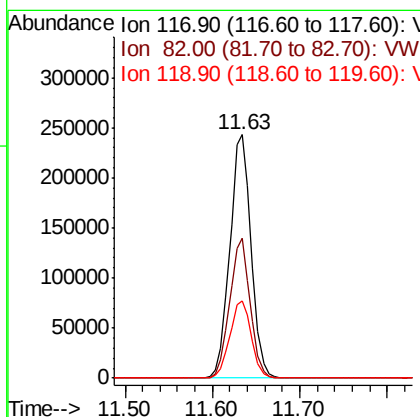
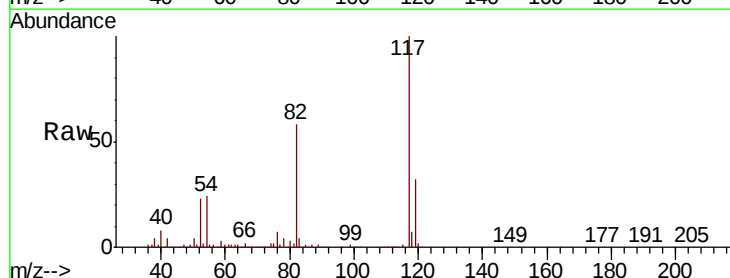
Instrument :
MSVOA_W
ClientSampleId :
SUP-7B-G-11-031119

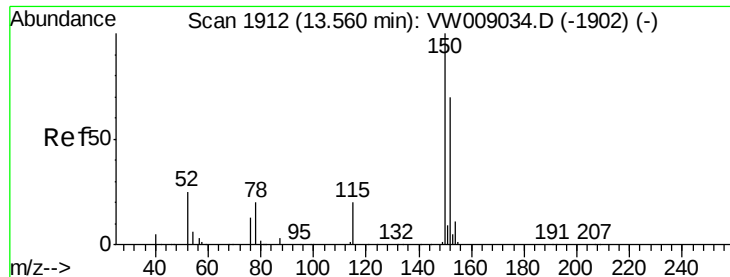
Tgt Ion: 95 Resp: 179366
Ion Ratio Lower Upper
95 100
174 85.3 0.0 167.0
176 81.6 0.0 159.4



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1596
Delta R.T. 0.00 min
Lab File: VW009117.D
Acq: 12 Mar 2019 06:38

Tgt Ion: 117 Resp: 410620
Ion Ratio Lower Upper
117 100
82 57.6 45.0 67.6
119 31.8 26.6 39.8





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.56 min Scan# 1912

Delta R.T. 0.00 min

Lab File: VW009117.D

Acq: 12 Mar 2019 06:38

Instrument :

MSVOA_W

ClientSampleId :

SUP-7B-G-11-031119

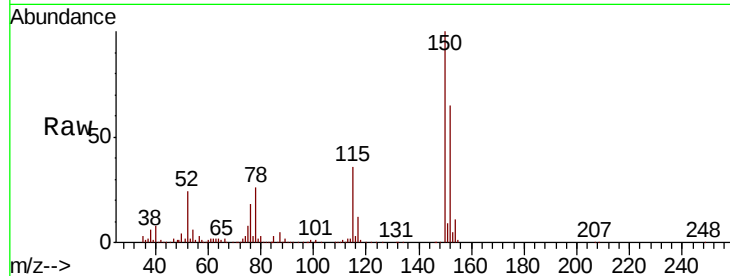
Tgt Ion:152 Resp: 177007

Ion Ratio Lower Upper

152 100

115 57.0 28.9 86.7

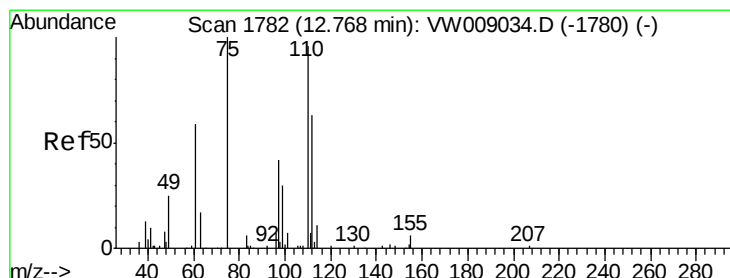
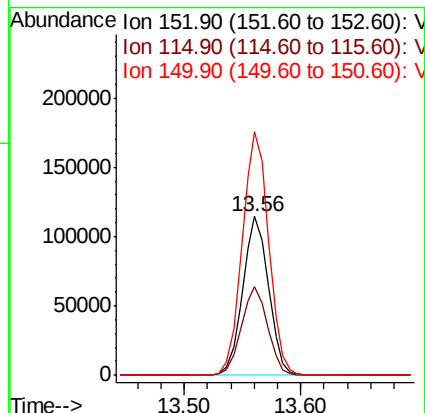
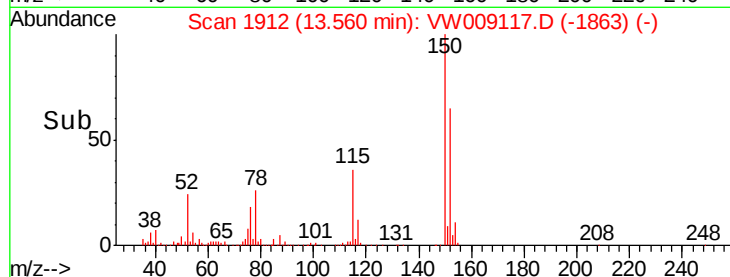
150 156.5 0.0 349.2



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



#76

1,2,3-Trichloropropane

Concen: 71.404 ug/l

RT: 12.62 min Scan# 1757

Delta R.T. -0.15 min

Lab File: VW009117.D

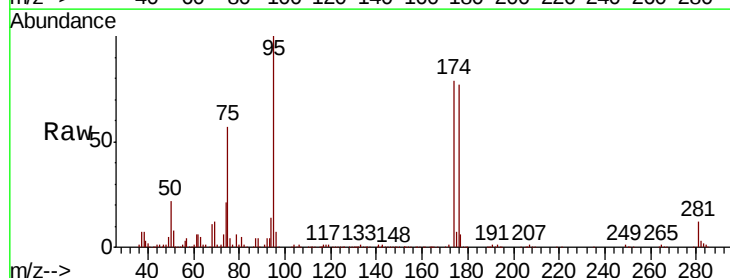
Acq: 12 Mar 2019 06:38

Tgt Ion: 75 Resp: 99858

Ion Ratio Lower Upper

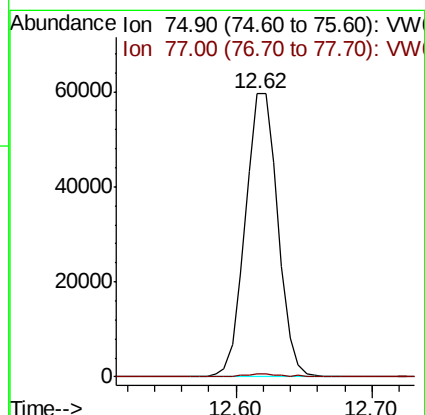
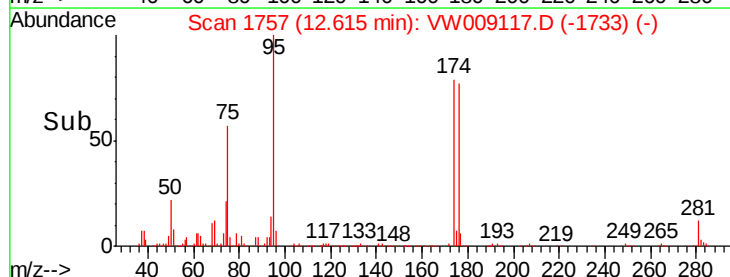
75 100

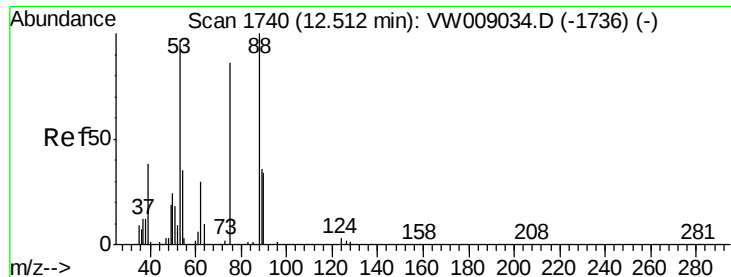
77 1.2 186.7 560.0#



Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 77.00 (76.70 to 77.70): VW





#81

trans-1,4-Dichloro-2-butene

Concen: 159.711 ug/l

RT: 12.62 min Scan# 1757

Delta R.T. 0.10 min

Lab File: VW009117.D

Acq: 12 Mar 2019 06:38

Instrument :

MSVOA_W

ClientSampleId :

SUP-7B-G-11-031119

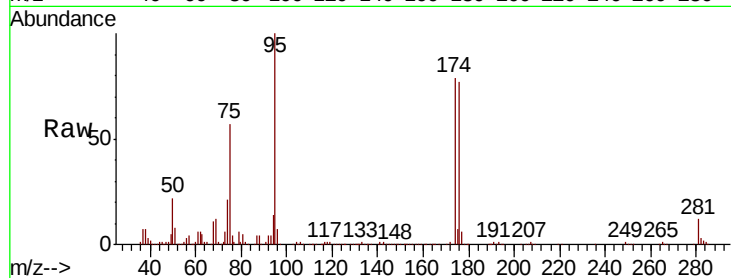
Tgt Ion: 75 Resp: 99858

Ion Ratio Lower Upper

75 100

53 0.2 90.5 135.7#

89 0.2 37.5 56.3#



Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 53.00 (52.70 to 53.70): VW

Ion 88.90 (88.60 to 89.60): VW

