

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW031219\
 Data File : VW009132.D
 Acq On : 12 Mar 2019 19:00
 Operator : SY/VA
 Sample : K1847-01RE
 Misc : 7.07G/5ML/MSVOA_W/SOIL
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 SUP-7B-G-1-031119RE

Quant Time: Mar 13 01:56:06 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	284758	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	458346	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	421631	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	197947	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	174038	60.75	ug/l	0.00
Spiked Amount			Recovery	=	121.50%	
35) Dibromofluoromethane	7.88	113	143742	52.09	ug/l	0.00
Spiked Amount			Recovery	=	104.18%	
50) Toluene-d8	10.32	98	554283	48.90	ug/l	0.00
Spiked Amount			Recovery	=	97.80%	
62) 4-Bromofluorobenzene	12.62	95	192989	43.25	ug/l	0.00
Spiked Amount			Recovery	=	86.50%	

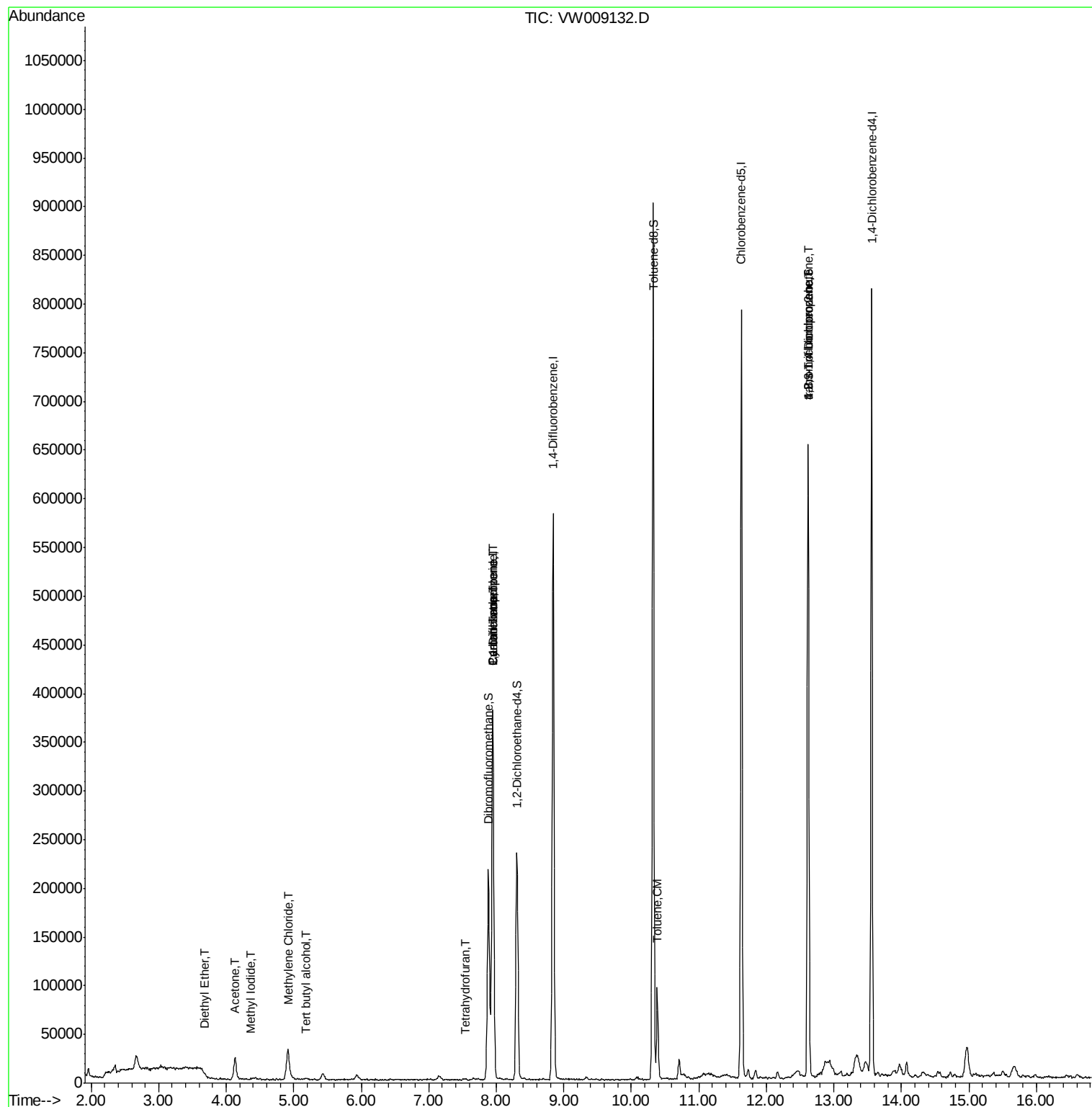
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
8) Diethyl Ether	3.68	74	2223	1.526	ug/l	88
10) Methyl Iodide	4.37	142	20	3.193	ug/l #	22
11) Tert butyl alcohol	5.18	59	1002	4.564	ug/l #	57
16) Acetone	4.13	43	39695	61.400	ug/l	99
20) Methylene Chloride	4.91	84	21963	2.014	ug/l	94
29) Tetrahydrofuran	7.53	42	897	1.593	ug/l #	82
31) Cyclohexane	7.95	56	7567	1.416	ug/l #	33
36) 1,1-Dichloropropene	7.95	75	23546	4.913	ug/l #	49
38) Carbon Tetrachloride	7.95	117	28120	5.681	ug/l #	17
52) Toluene	10.38	92	38066	4.387	ug/l	96
76) 1,2,3-Trichloropropane	12.62	75	104982	67.126	ug/l #	1
81) trans-1,4-Dichloro-2-buten	12.62	75	104982	150.144	ug/l #	5

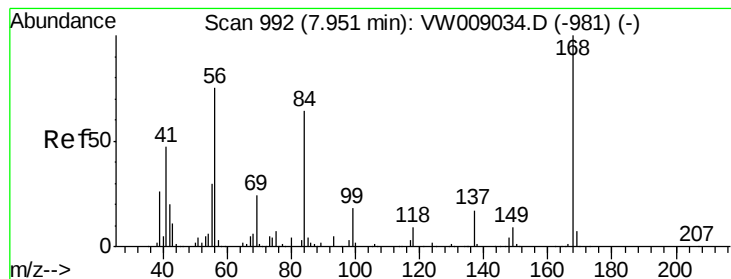
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA_W\DATA\VW031219\
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Quant Time: Mar 13 01:56:06 2019
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_W\METHOD\82W030719S.M
Quant Title : SW846 8260
QLast Update : Fri Mar 08 05:22:30 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: VW009132.D

Acq: 12 Mar 2019 19:00

Instrument :

MSVOA_W

ClientSampleId :

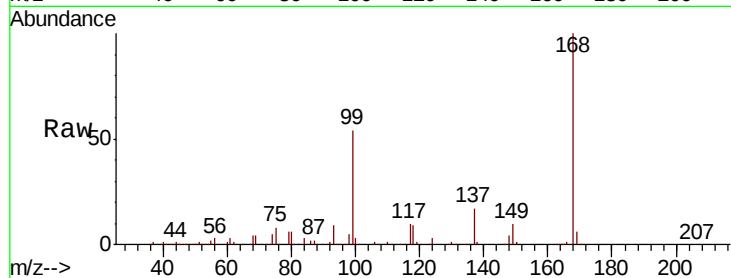
SUP-7B-G-1-031119RE

Tgt Ion:168 Resp: 284758

Ion Ratio Lower Upper

168 100

99 53.5 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

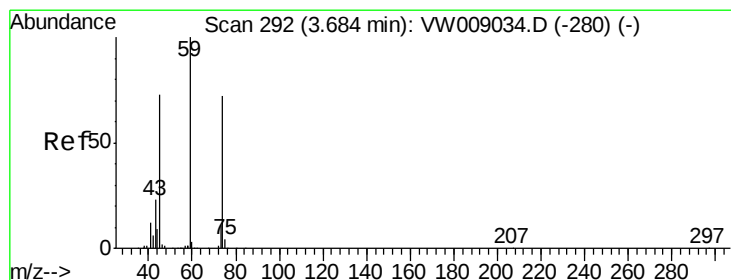
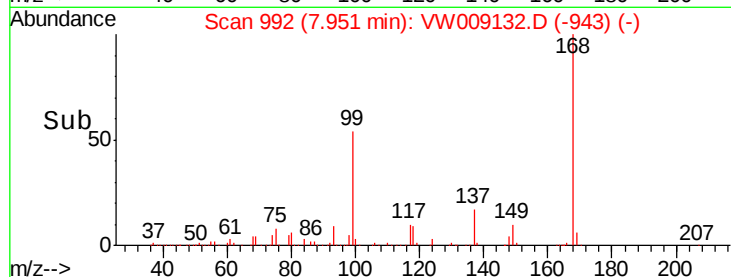
150000

100000

50000

0

Time--> 7.80 7.90 8.00



#8

Diethyl Ether

Concen: 1.526 ug/l

RT: 3.68 min Scan# 291

Delta R.T. -0.01 min

Lab File: VW009132.D

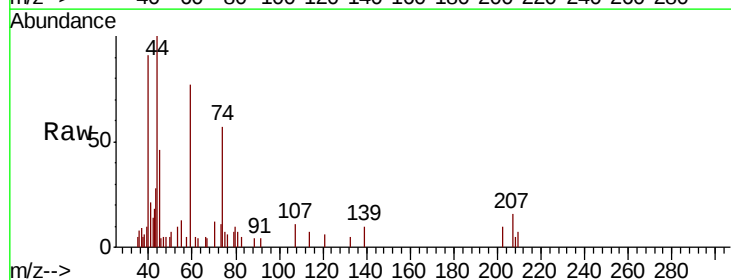
Acq: 12 Mar 2019 19:00

Tgt Ion: 74 Resp: 2223

Ion Ratio Lower Upper

74 100

45 92.8 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

1000

800

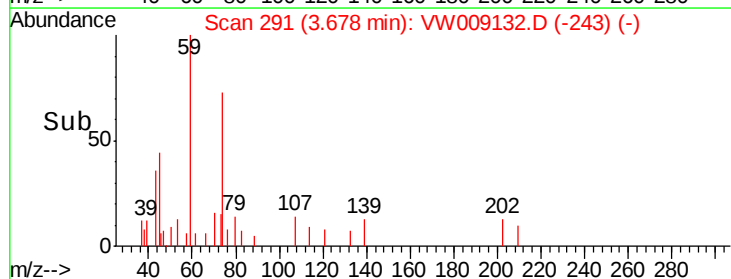
600

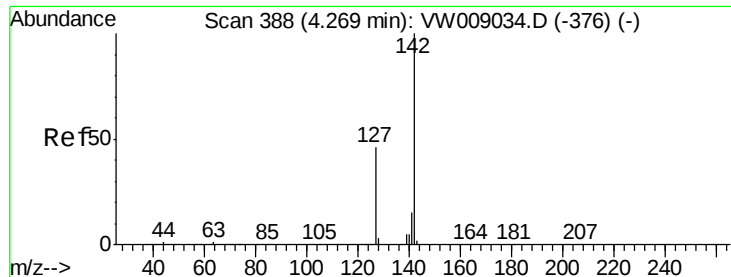
400

200

0

Time--> 3.60 3.65 3.70 3.75

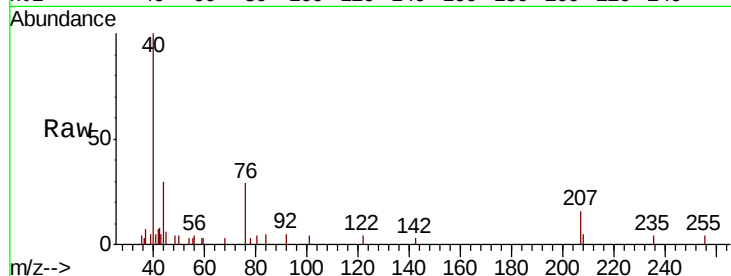




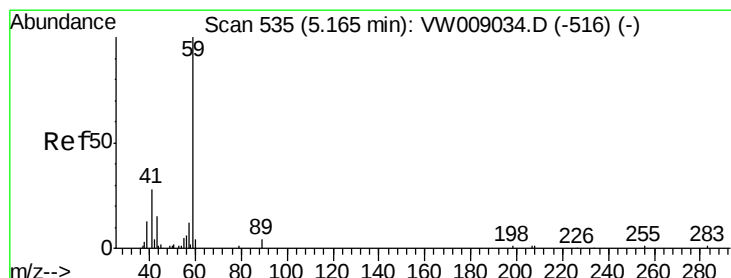
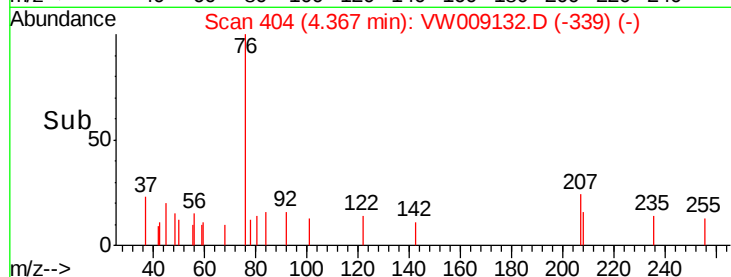
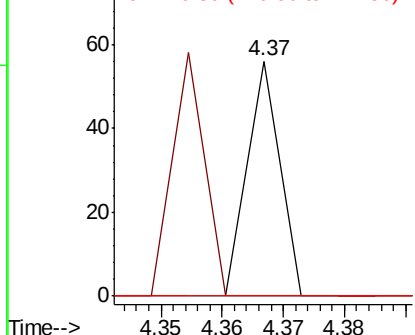
#10
Methyl Iodide
Concen: 3.193 ug/l
RT: 4.37 min Scan# 404
Delta R.T. 0.10 min
Lab File: VW009132.D
Acq: 12 Mar 2019 19:00

Instrument :
MSVOA_W
ClientSampleId :
SUP-7B-G-1-031119RE

Tgt Ion:142 Resp: 20
Ion Ratio Lower Upper
142 100
127 105.0 35.8 53.6#
141 0.0 11.8 17.8#

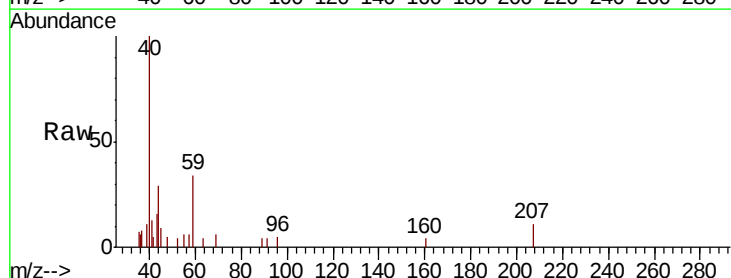


Abundance Ion 141.80 (141.50 to 142.50): V
Ion 126.80 (126.50 to 127.50): V
Ion 140.80 (140.50 to 141.50): V

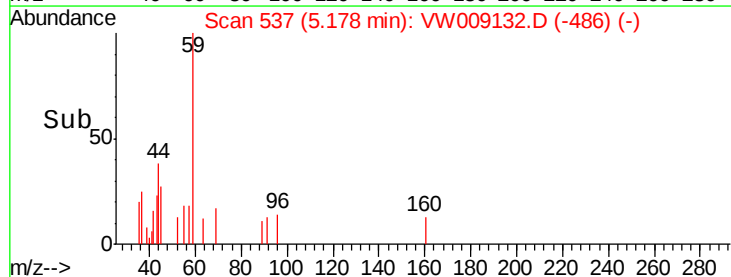
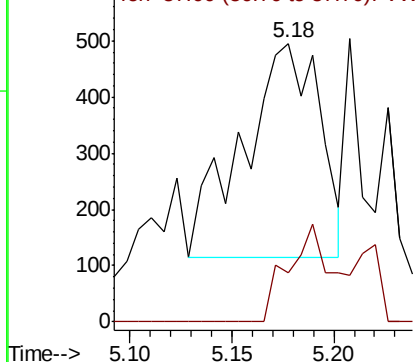


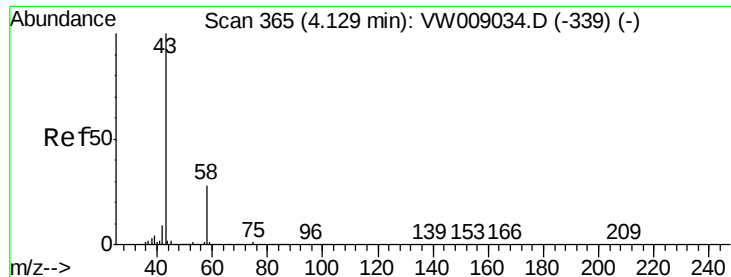
#11
Tert butyl alcohol
Concen: 4.564 ug/l
RT: 5.18 min Scan# 537
Delta R.T. 0.01 min
Lab File: VW009132.D
Acq: 12 Mar 2019 19:00

Tgt Ion: 59 Resp: 1002
Ion Ratio Lower Upper
59 100
57 27.0 8.6 12.8#



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





#16

Acetone

Concen: 61.400 ug/l

RT: 4.13 min Scan# 365

Delta R.T. 0.00 min

Lab File: VW009132.D

Acq: 12 Mar 2019 19:00

Instrument :

MSVOA_W

ClientSampleId :

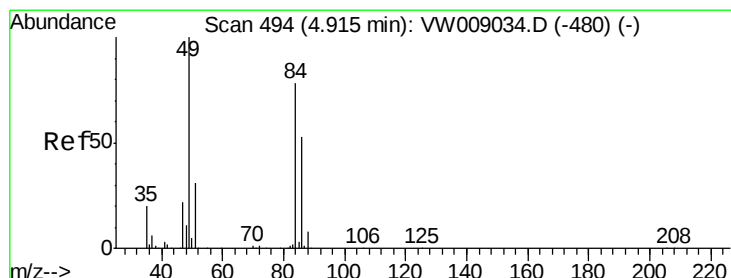
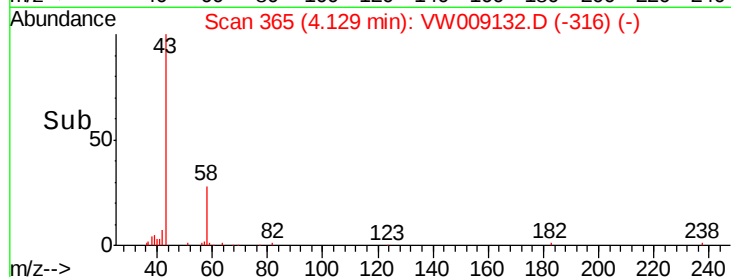
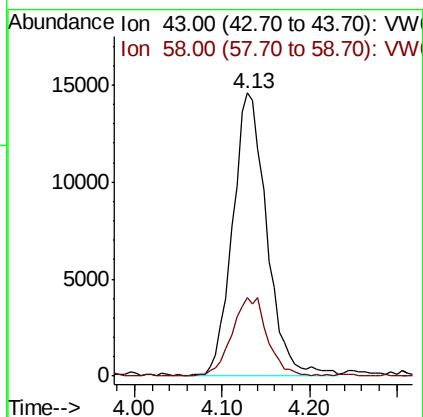
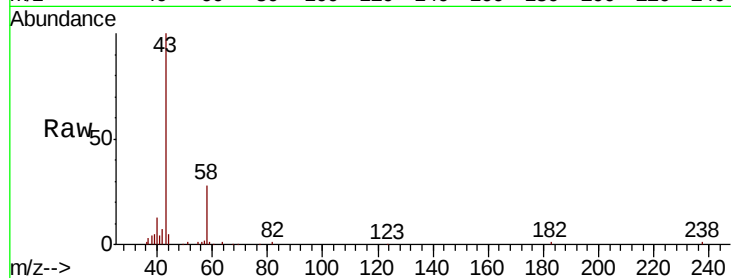
SUP-7B-G-1-031119RE

Tgt Ion: 43 Resp: 39695

Ion Ratio Lower Upper

43 100

58 27.8 22.5 33.7



#20

Methylene Chloride

Concen: 2.014 ug/l

RT: 4.91 min Scan# 493

Delta R.T. -0.01 min

Lab File: VW009132.D

Acq: 12 Mar 2019 19:00

Tgt Ion: 84 Resp: 21963

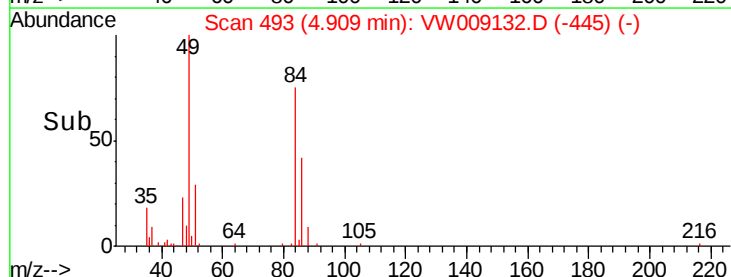
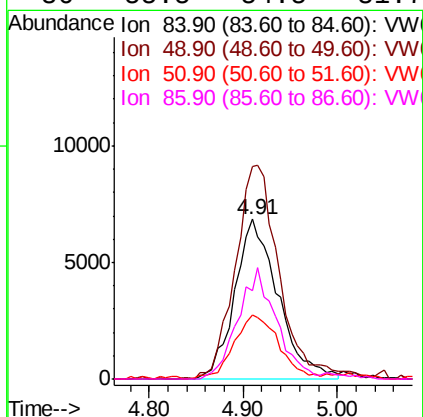
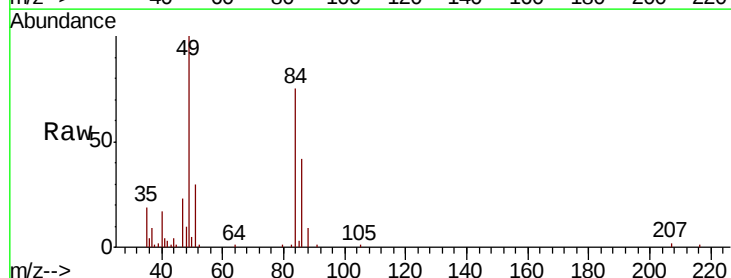
Ion Ratio Lower Upper

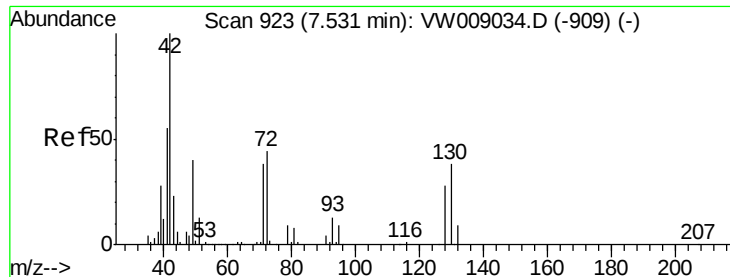
84 100

49 131.7 102.4 153.6

51 40.4 31.6 47.4

86 55.5 54.5 81.7

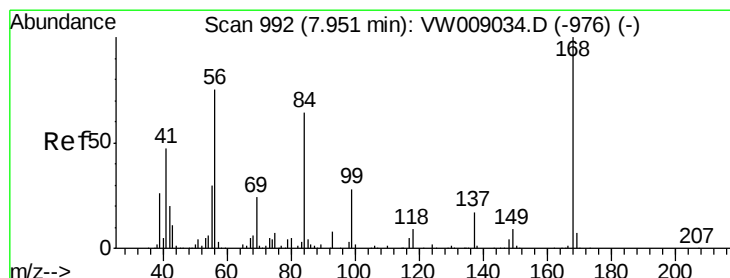
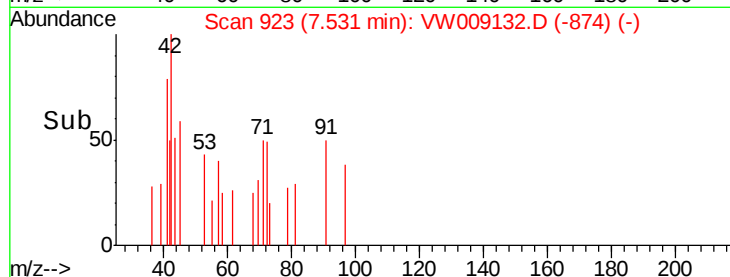
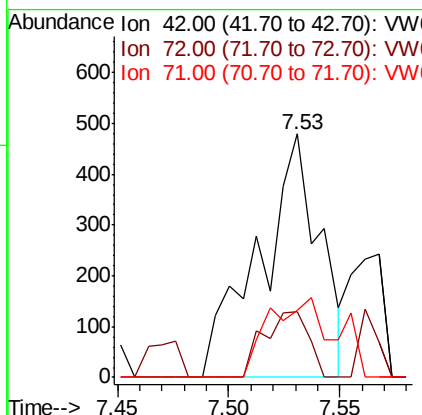
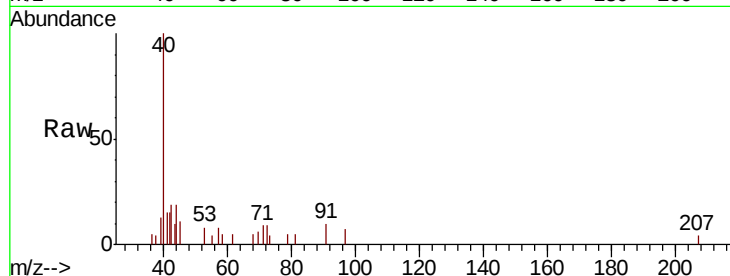




#29
Tetrahydrofuran
Concen: 1.593 ug/l
RT: 7.53 min Scan# 923
Delta R.T. 0.00 min
Lab File: VW009132.D
Acq: 12 Mar 2019 19:00

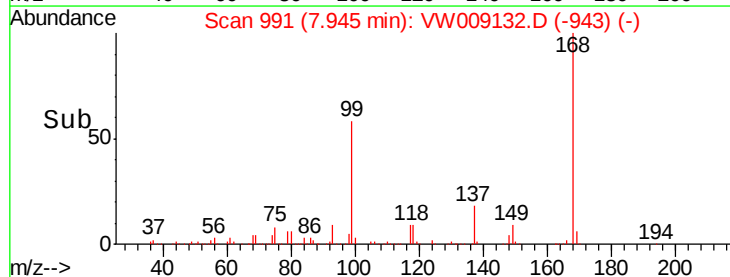
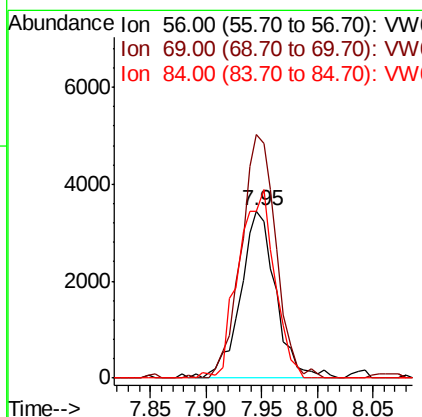
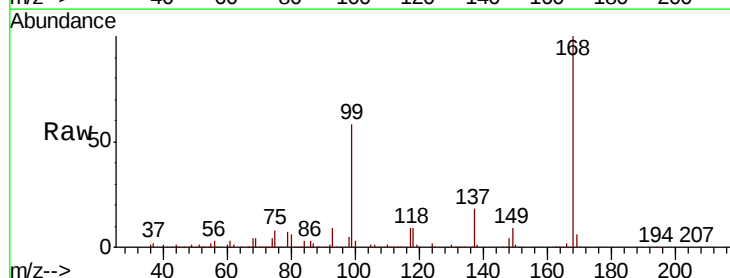
Instrument :
MSVOA_W
ClientSampleId :
SUP-7B-G-1-031119RE

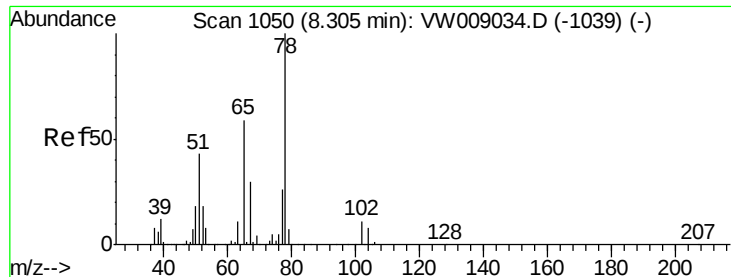
Tgt Ion: 42 Resp: 897
Ion Ratio Lower Upper
42 100
72 20.3 32.2 48.4#
71 36.2 30.7 46.1



#31
Cyclohexane
Concen: 1.416 ug/l
RT: 7.95 min Scan# 991
Delta R.T. -0.01 min
Lab File: VW009132.D
Acq: 12 Mar 2019 19:00

Tgt Ion: 56 Resp: 7567
Ion Ratio Lower Upper
56 100
69 145.5 25.5 38.3#
84 99.9 68.6 103.0





#33

1,2-Dichloroethane-d4

Concen: 60.747 ug/l

RT: 8.31 min Scan# 1050

Delta R.T. 0.00 min

Lab File: VW009132.D

Acq: 12 Mar 2019 19:00

Instrument :

MSVOA_W

ClientSampleId :

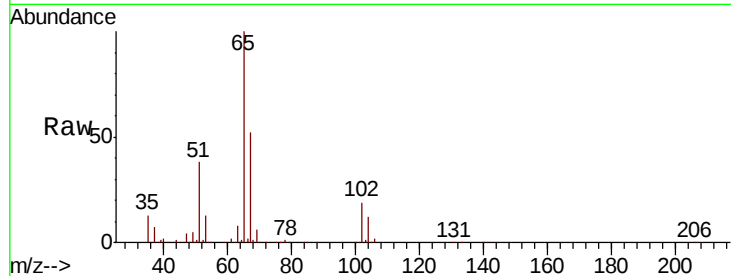
SUP-7B-G-1-031119RE

Tgt Ion: 65 Resp: 174038

Ion Ratio Lower Upper

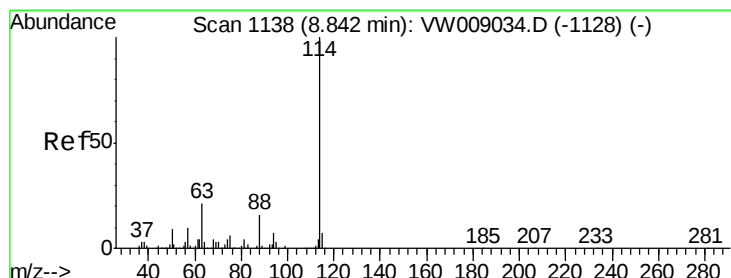
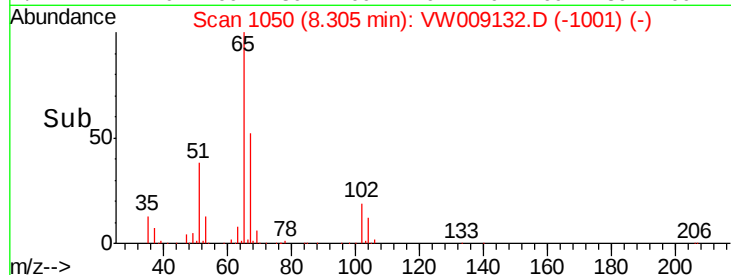
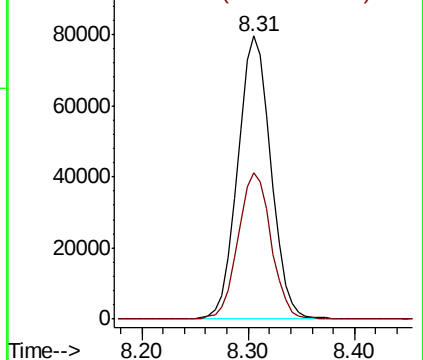
65 100

67 51.6 0.0 103.0



Abundance Ion 64.90 (64.60 to 65.60): VW

Ion 66.90 (66.60 to 67.60): VW



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.84 min Scan# 1138

Delta R.T. 0.00 min

Lab File: VW009132.D

Acq: 12 Mar 2019 19:00

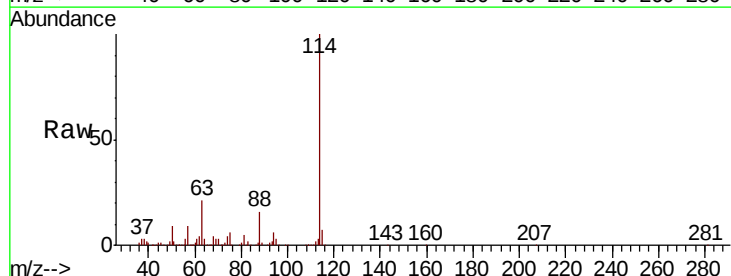
Tgt Ion: 114 Resp: 458346

Ion Ratio Lower Upper

114 100

63 21.3 0.0 41.2

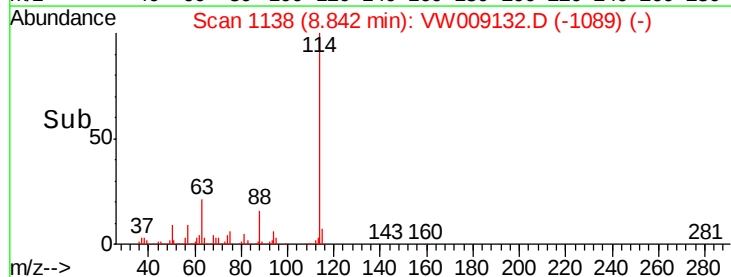
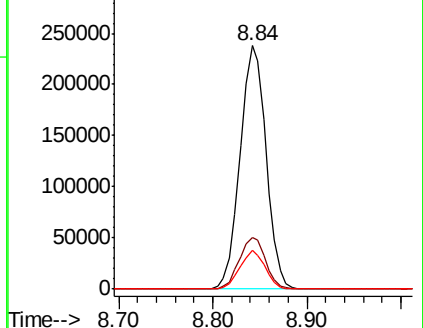
88 15.7 0.0 31.2

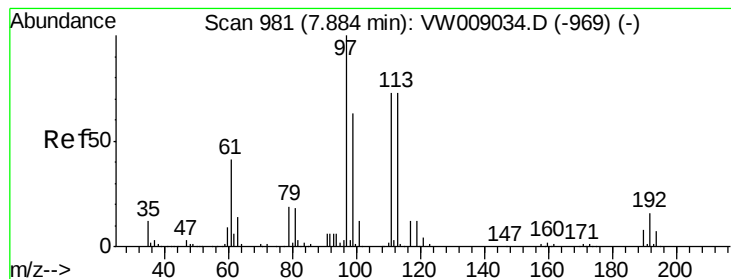


Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VW

Ion 87.90 (87.60 to 88.60): VW





#35

Dibromofluoromethane

Concen: 52.087 ug/l

RT: 7.88 min Scan# 981

Delta R.T. 0.00 min

Lab File: VW009132.D

Acq: 12 Mar 2019 19:00

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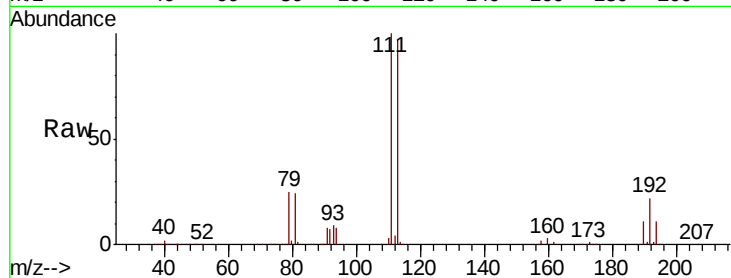
Tgt Ion: 113 Resp: 143742

Ion Ratio Lower Upper

113 100

111 102.9 81.0 121.4

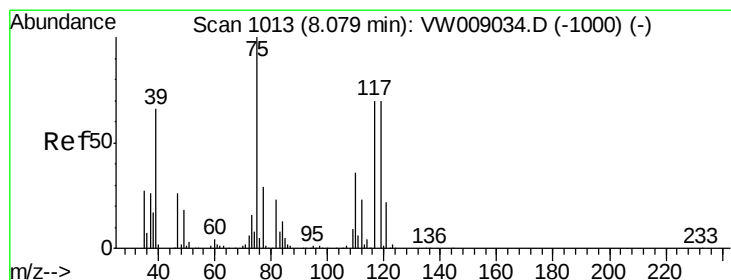
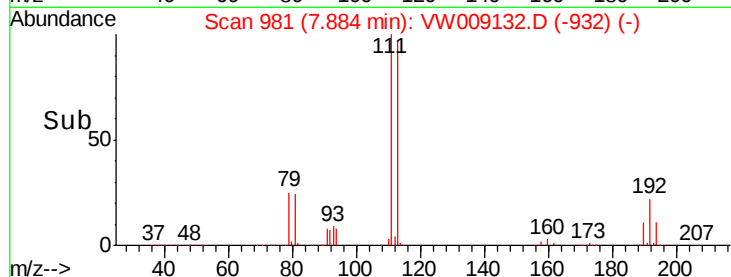
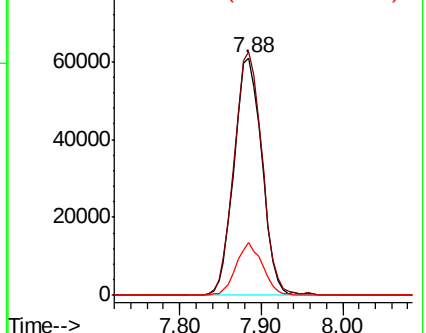
192 21.1 17.1 25.7



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



#36

1,1-Dichloropropene

Concen: 4.913 ug/l

RT: 7.95 min Scan# 992

Delta R.T. -0.13 min

Lab File: VW009132.D

Acq: 12 Mar 2019 19:00

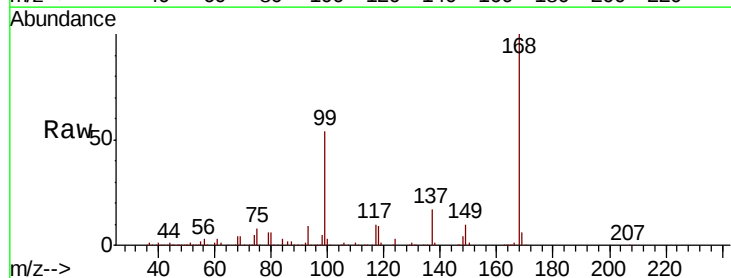
Tgt Ion: 75 Resp: 23546

Ion Ratio Lower Upper

75 100

110 8.7 17.6 52.9#

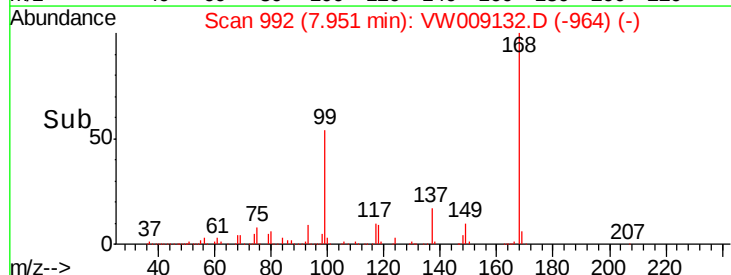
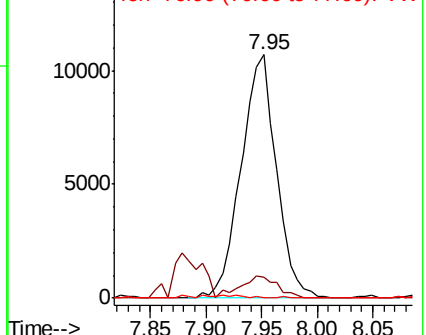
77 0.0 25.1 37.7#

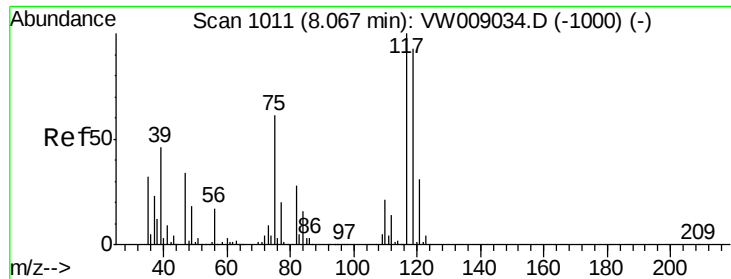


Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VW





#38

Carbon Tetrachloride

Concen: 5.681 ug/l

RT: 7.95 min Scan# 992

Delta R.T. -0.12 min

Lab File: VW009132.D

Acq: 12 Mar 2019 19:00

Instrument :

MSVOA_W

ClientSampleId :

SUP-7B-G-1-031119RE

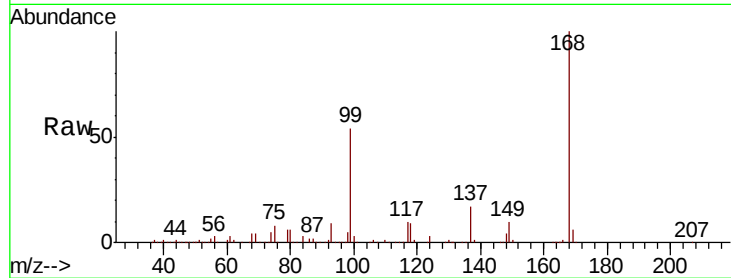
Tgt Ion:117 Resp: 28120

Ion Ratio Lower Upper

117 100

119 5.6 74.6 112.0#

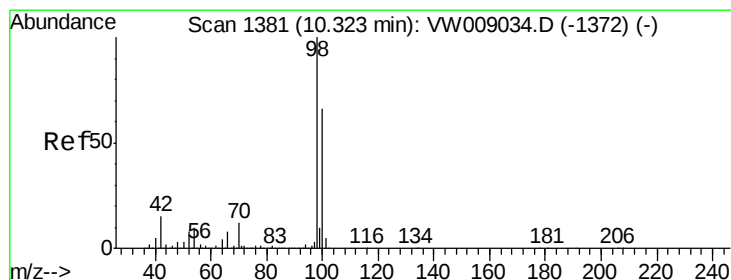
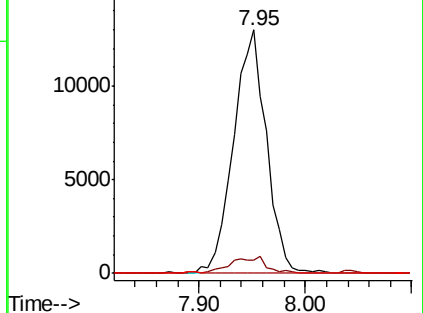
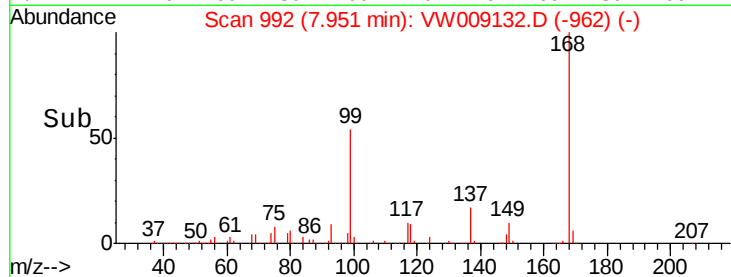
121 0.0 24.7 37.1#



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



#50

Toluene-d8

Concen: 48.903 ug/l

RT: 10.32 min Scan# 1381

Delta R.T. 0.00 min

Lab File: VW009132.D

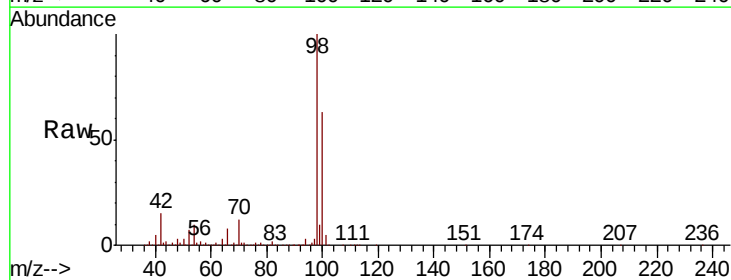
Acq: 12 Mar 2019 19:00

Tgt Ion: 98 Resp: 554283

Ion Ratio Lower Upper

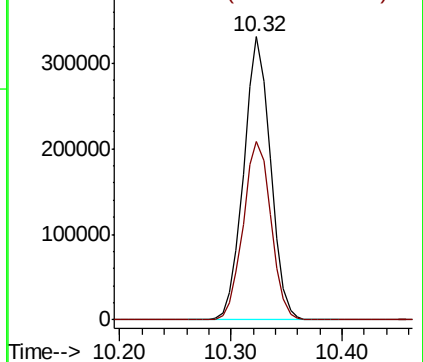
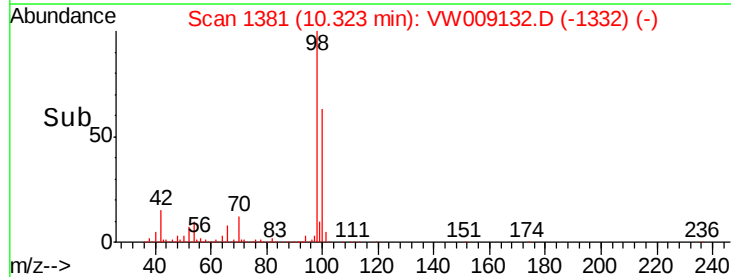
98 100

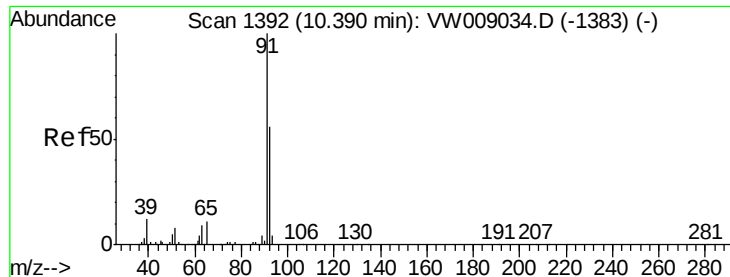
100 65.3 51.9 77.9



Abundance Ion 98.00 (97.70 to 98.70): VW

Ion 100.00 (99.70 to 100.70): VW





#52

Toluene

Concen: 4.387 ug/l

RT: 10.38 min Scan# 1391

Delta R.T. -0.01 min

Lab File: VW009132.D

Acq: 12 Mar 2019 19:00

Instrument :

MSVOA_W

ClientSampleId :

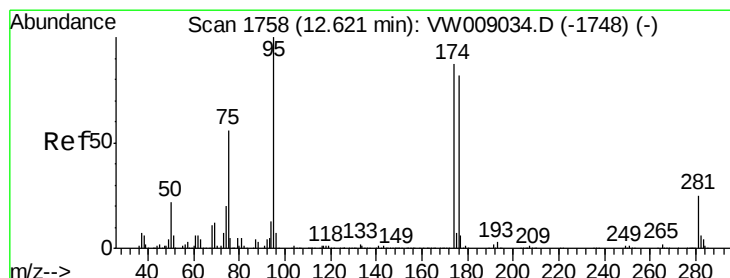
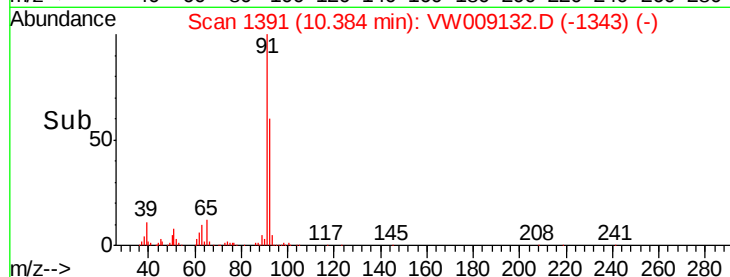
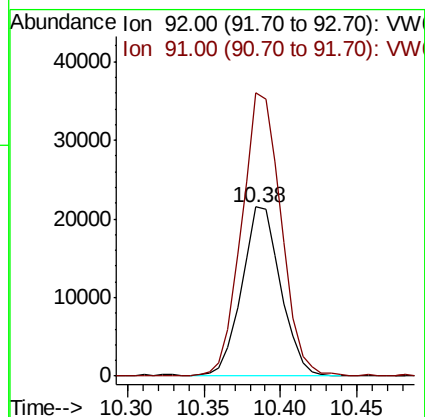
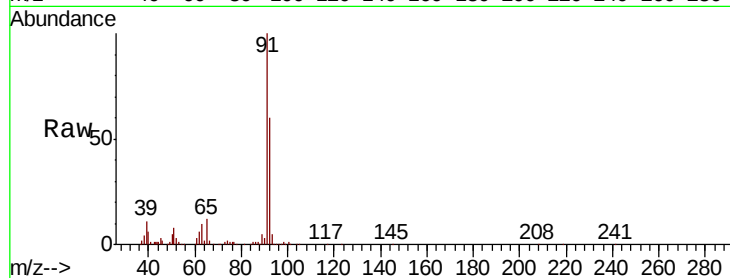
SUP-7B-G-1-031119RE

Tgt Ion: 92 Resp: 38066

Ion Ratio Lower Upper

92 100

91 169.7 139.9 209.9



#62

4-Bromofluorobenzene

Concen: 43.253 ug/l

RT: 12.62 min Scan# 1758

Delta R.T. 0.00 min

Lab File: VW009132.D

Acq: 12 Mar 2019 19:00

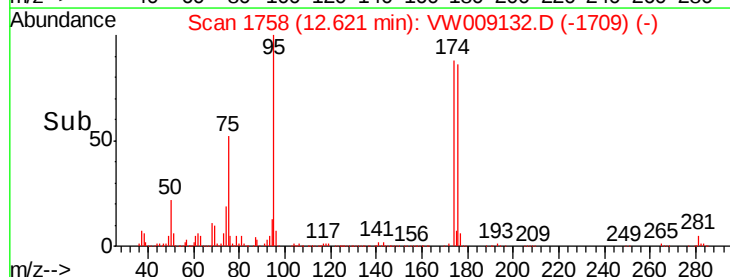
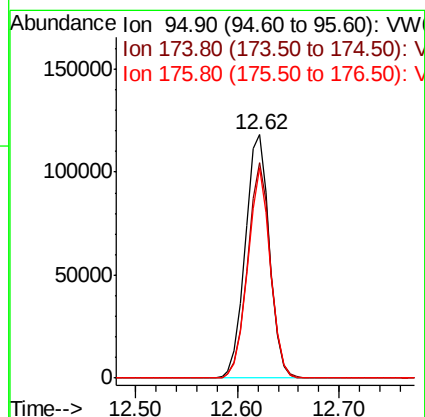
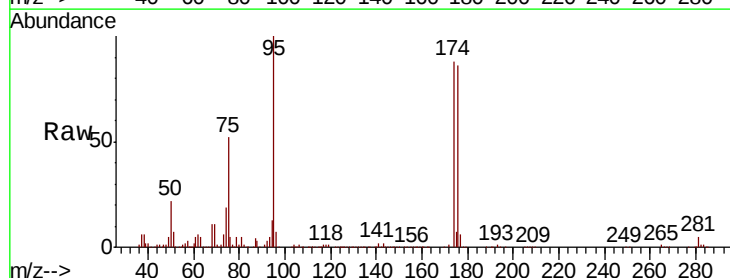
Tgt Ion: 95 Resp: 192989

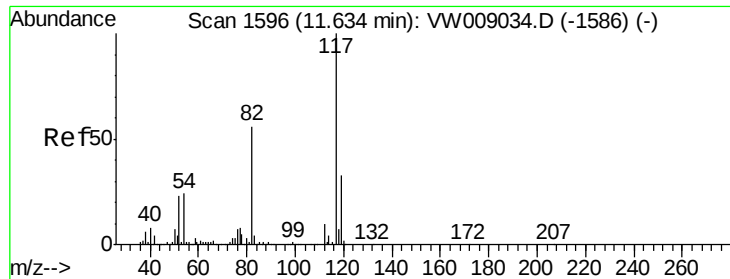
Ion Ratio Lower Upper

95 100

174 84.6 0.0 167.0

176 81.3 0.0 159.4

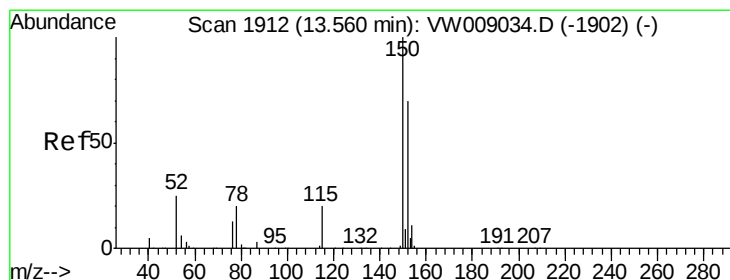
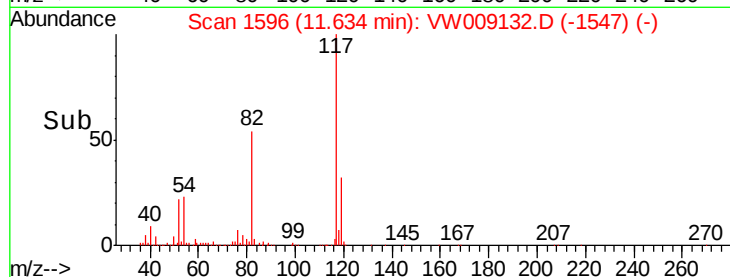
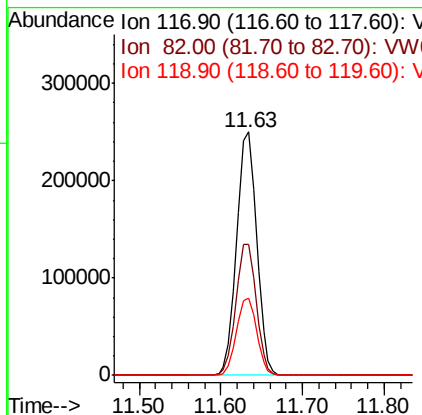
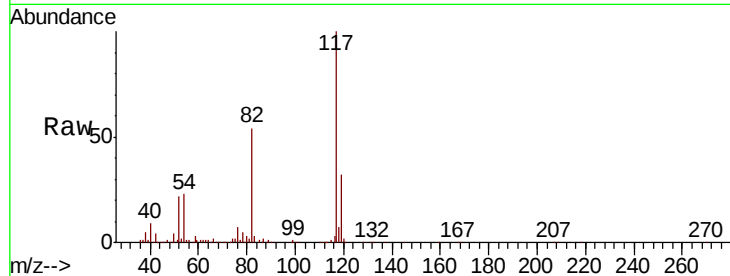




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1596
Delta R.T. 0.00 min
Lab File: VW009132.D
Acq: 12 Mar 2019 19:00

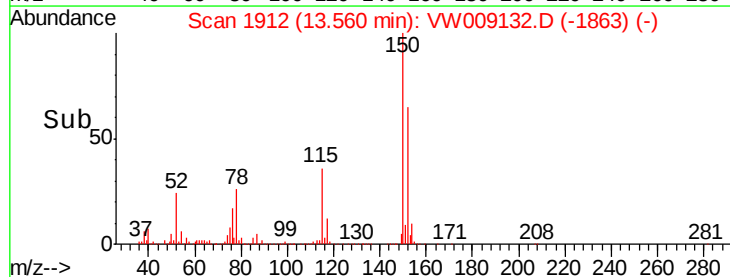
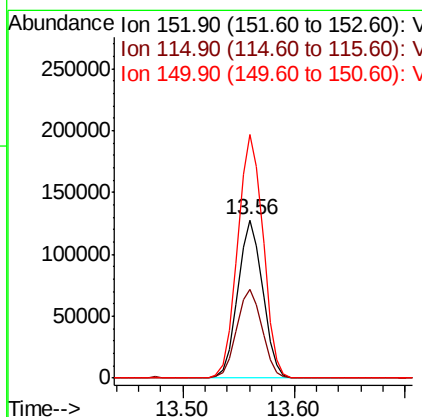
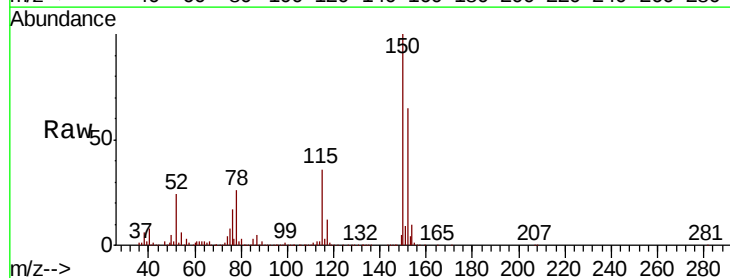
Instrument :
MSVOA_W
ClientSampleId :
SUP-7B-G-1-031119RE

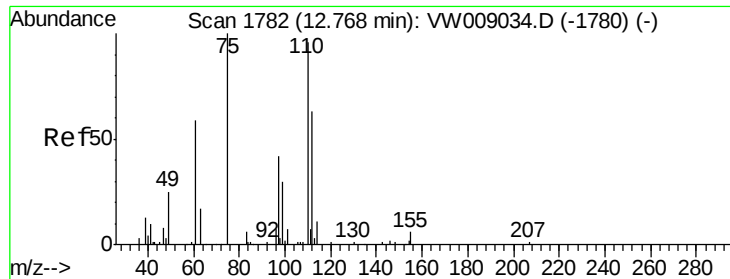
Tgt Ion:117 Resp: 421631
Ion Ratio Lower Upper
117 100
82 54.0 45.0 67.6
119 31.6 26.6 39.8



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.56 min Scan# 1912
Delta R.T. 0.00 min
Lab File: VW009132.D
Acq: 12 Mar 2019 19:00

Tgt Ion:152 Resp: 197947
Ion Ratio Lower Upper
152 100
115 56.5 28.9 86.7
150 157.2 0.0 349.2

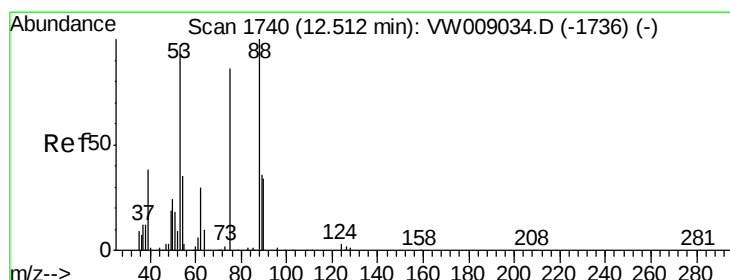
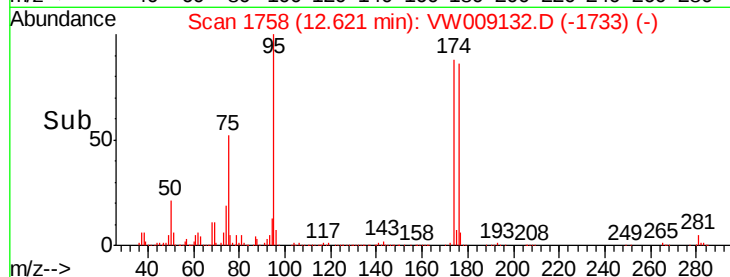
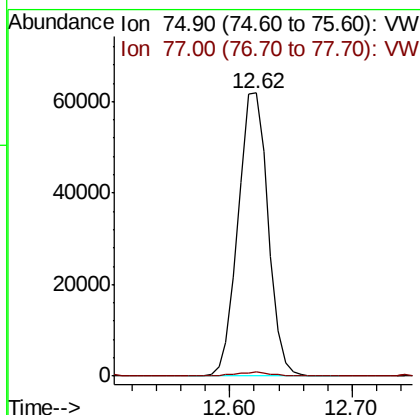
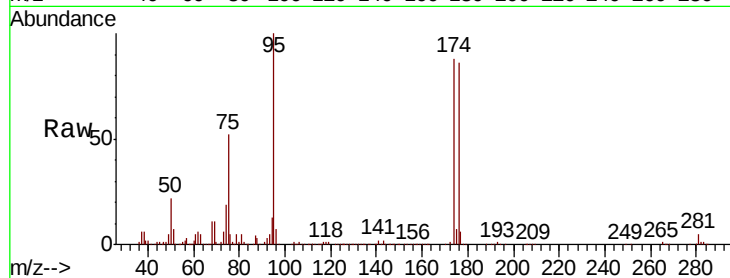




#76
 1,2,3-Trichloropropane
 Concen: 67.126 ug/l
 RT: 12.62 min Scan# 1758
 Delta R.T. -0.15 min
 Lab File: VW009132.D
 Acq: 12 Mar 2019 19:00

Instrument :
 MSVOA_W
 ClientSampleId :
 SUP-7B-G-1-031119RE

Tgt Ion: 75 Resp: 104982
 Ion Ratio Lower Upper
 75 100
 77 1.7 186.7 560.0#



#81
 trans-1,4-Dichloro-2-butene
 Concen: 150.144 ug/l
 RT: 12.62 min Scan# 1758
 Delta R.T. 0.11 min
 Lab File: VW009132.D
 Acq: 12 Mar 2019 19:00

Tgt Ion: 75 Resp: 104982
 Ion Ratio Lower Upper
 75 100
 53 0.5 90.5 135.7#
 89 0.1 37.5 56.3#

