

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW031219\
 Data File : VW009130.D
 Acq On : 12 Mar 2019 18:06
 Operator : SY/VA
 Sample : K1830-01RE
 Misc : 7.37G/5ML/MSVOA_W/SOIL
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 BALLFIELD-SS-03072019RE

Quant Time: Mar 13 01:55:27 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	280156	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	447200	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	400626	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	182951	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	172387	61.16	ug/l	0.00
Spiked Amount			Recovery	=	122.32%	
35) Dibromofluoromethane	7.88	113	141613	52.59	ug/l	0.00
Spiked Amount			Recovery	=	105.18%	
50) Toluene-d8	10.32	98	543533	49.15	ug/l	0.00
Spiked Amount			Recovery	=	98.30%	
62) 4-Bromofluorobenzene	12.62	95	177973	40.88	ug/l	0.00
Spiked Amount			Recovery	=	81.76%	

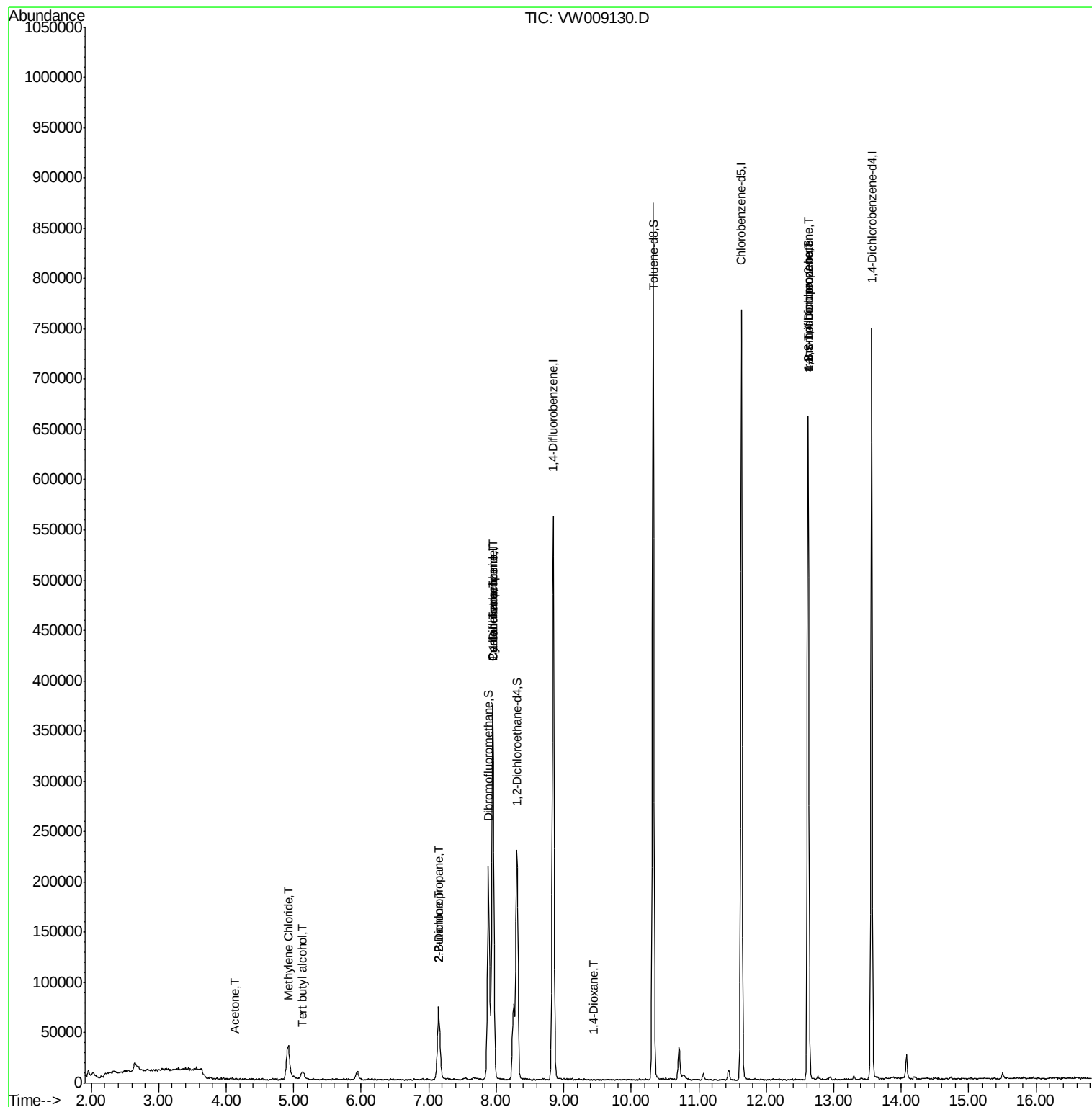
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
11) Tert butyl alcohol	5.12	59	7250	33.566	ug/l #	77
16) Acetone	4.14	43	1769	2.781	ug/l #	78
20) Methylene Chloride	4.92	84	27622	4.269	ug/l	95
25) 2-Butanone	7.14	43	4787	5.446	ug/l #	75
26) 2,2-Dichloropropane	7.15	77	4869	1.046	ug/l #	55
31) Cyclohexane	7.95	56	7092	1.349	ug/l #	25
36) 1,1-Dichloropropene	7.95	75	22223	4.753	ug/l #	51
38) Carbon Tetrachloride	7.95	117	28019	5.802	ug/l #	18
49) 1,4-Dioxane	9.45	88	75	3.068	ug/l #	1
76) 1,2,3-Trichloropropane	12.62	75	98111	67.875	ug/l #	1
81) trans-1,4-Dichloro-2-buten	12.62	75	98111	151.819	ug/l #	5

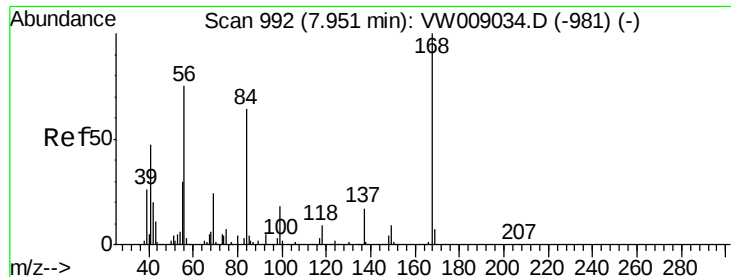
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA_W\DATA\VW031219\
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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.95 min Scan# 992

Delta R.T. 0.00 min

Lab File: VW009130.D

Acq: 12 Mar 2019 18:06

Instrument :

MSVOA_W

ClientSampleId :

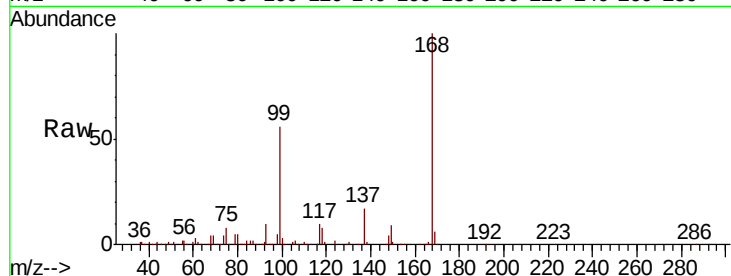
BALLFIELD-SS-03072019RE

Tgt Ion:168 Resp: 280156

Ion Ratio Lower Upper

168 100

99 56.0 42.2 63.2



Abundance Ion 167.90 (167.60 to 168.60): VW

Ion 98.90 (98.60 to 99.60): VW

7.95

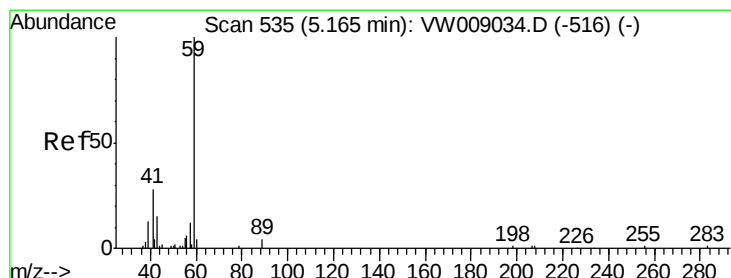
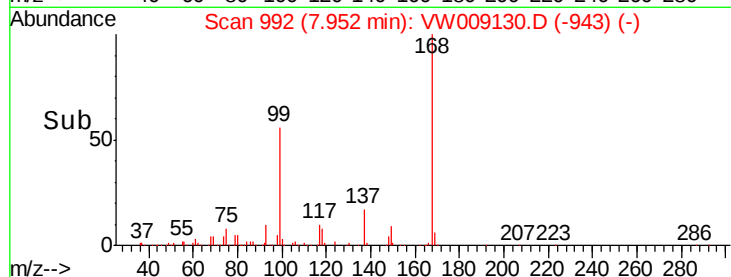
150000

100000

50000

0

Time-->



#11

Tert butyl alcohol

Concen: 33.566 ug/l

RT: 5.12 min Scan# 528

Delta R.T. -0.04 min

Lab File: VW009130.D

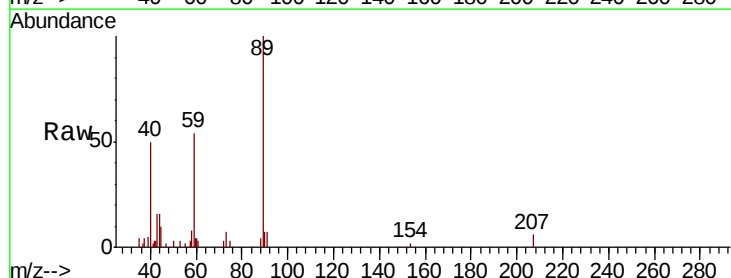
Acq: 12 Mar 2019 18:06

Tgt Ion: 59 Resp: 7250

Ion Ratio Lower Upper

59 100

57 1.9 8.6 12.8#



Abundance Ion 59.00 (58.70 to 59.70): VW

Ion 57.00 (56.70 to 57.70): VW

5.12

2000

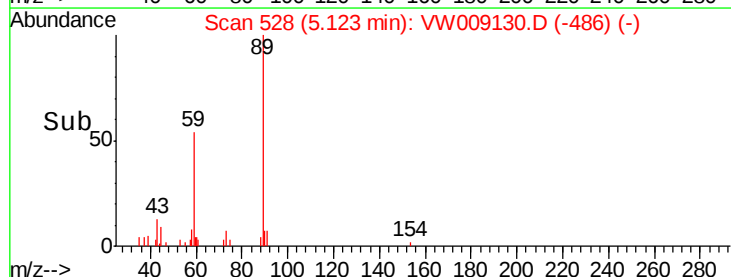
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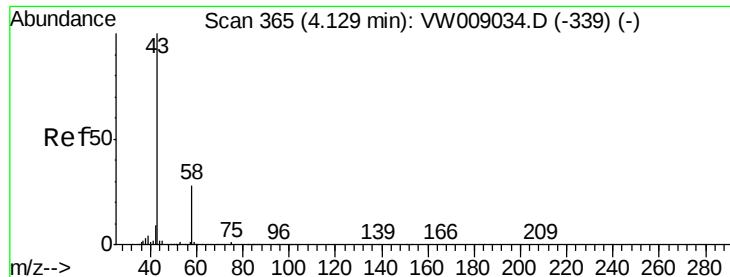
1000

500

0

Time-->





#16

Acetone

Concen: 2.781 ug/l

RT: 4.14 min Scan# 366

Delta R.T. 0.01 min

Lab File: VW009130.D

Acq: 12 Mar 2019 18:06

Instrument :

MSVOA_W

ClientSampleId :

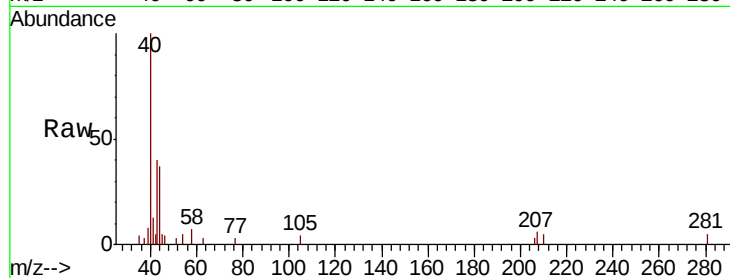
BALLFIELD-SS-03072019RE

Tgt Ion: 43 Resp: 1769

Ion Ratio Lower Upper

43 100

58 16.6 22.5 33.7#



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW

4.14

800

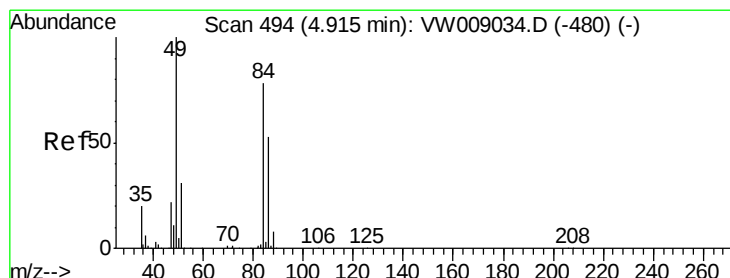
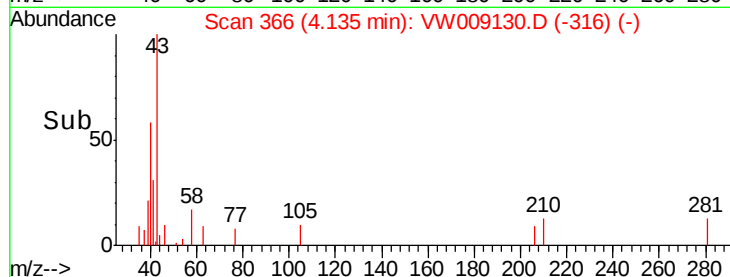
600

400

200

0

Time-->



#20

Methylene Chloride

Concen: 4.269 ug/l

RT: 4.92 min Scan# 495

Delta R.T. 0.01 min

Lab File: VW009130.D

Acq: 12 Mar 2019 18:06

Tgt Ion: 84 Resp: 27622

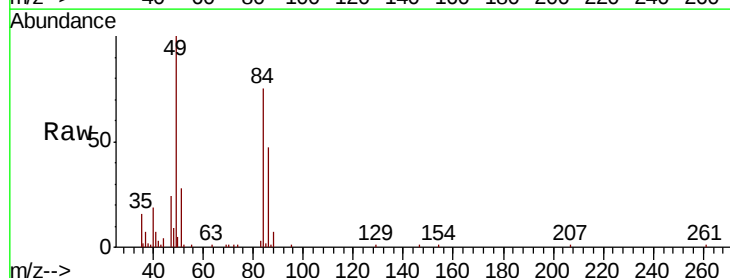
Ion Ratio Lower Upper

84 100

49 132.6 102.4 153.6

51 37.6 31.6 47.4

86 62.4 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

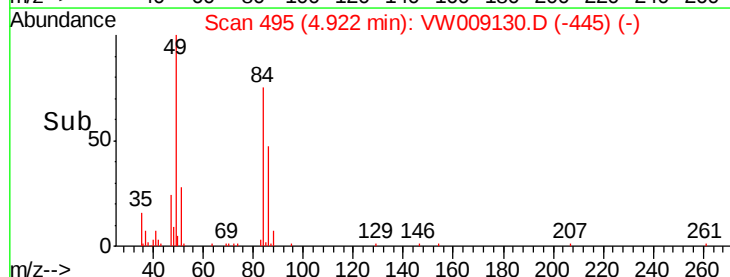
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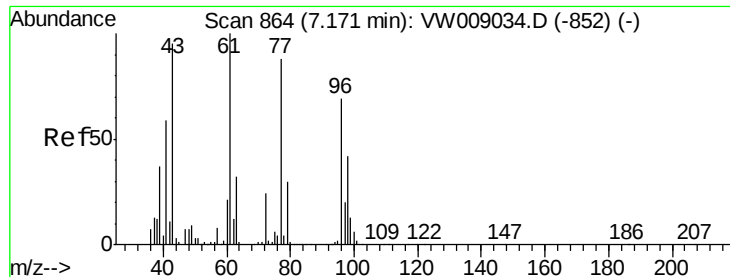
10000

5000

0

Time-->





#25

2-Butanone

Concen: 5.446 ug/l

RT: 7.14 min Scan# 859

Delta R.T. -0.03 min

Lab File: VW009130.D

Acq: 12 Mar 2019 18:06

Instrument :

MSVOA_W

ClientSampleId :

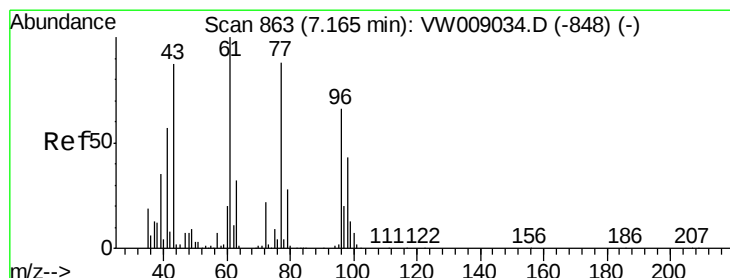
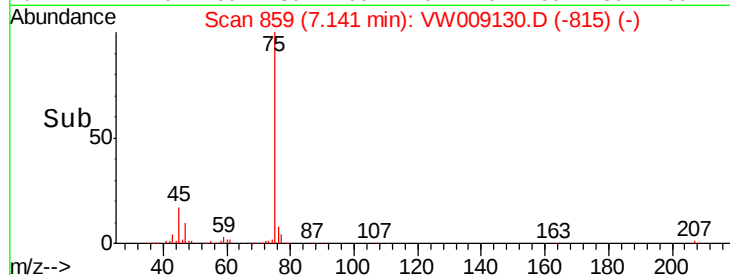
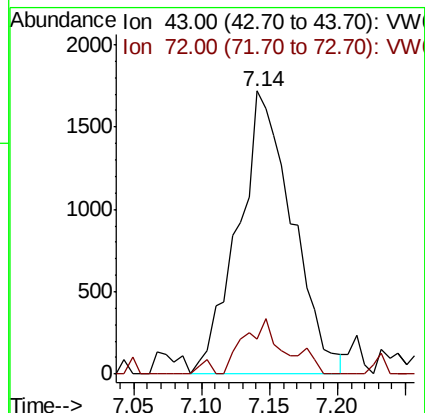
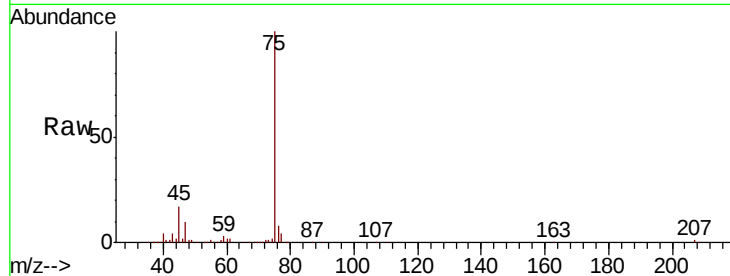
BALLFIELD-SS-03072019RE

Tgt Ion: 43 Resp: 4787

Ion Ratio Lower Upper

43 100

72 12.3 20.0 30.0#



#26

2,2-Dichloropropane

Concen: 1.046 ug/l

RT: 7.15 min Scan# 861

Delta R.T. -0.01 min

Lab File: VW009130.D

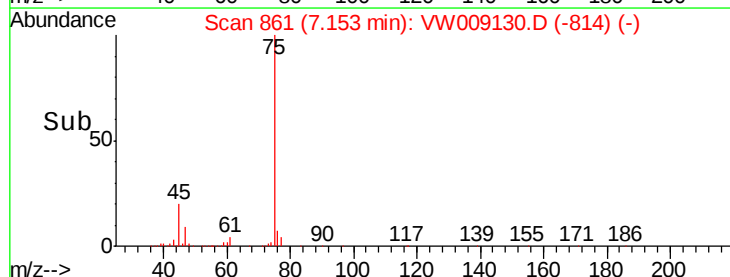
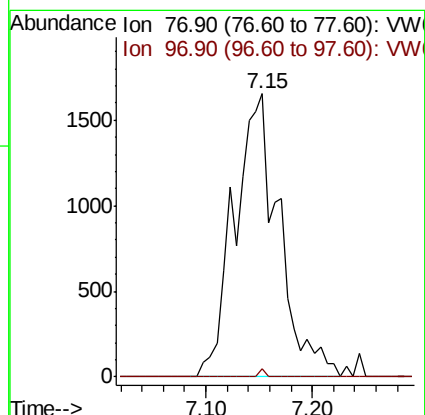
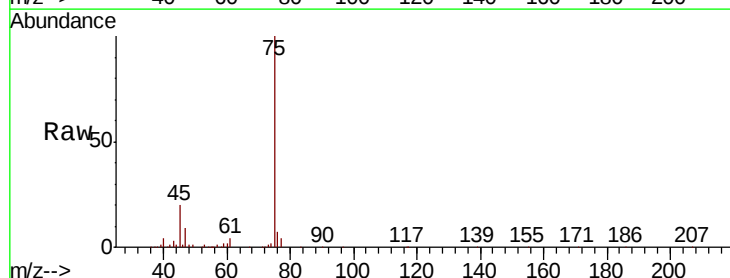
Acq: 12 Mar 2019 18:06

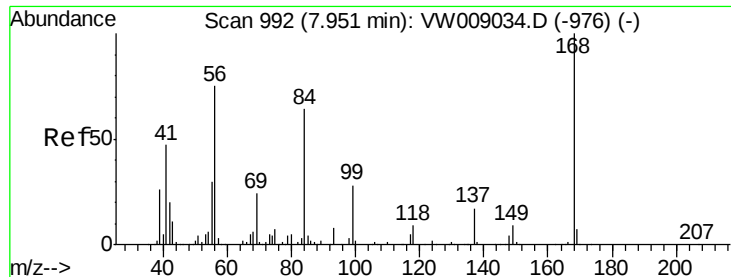
Tgt Ion: 77 Resp: 4869

Ion Ratio Lower Upper

77 100

97 0.4 10.9 32.9#

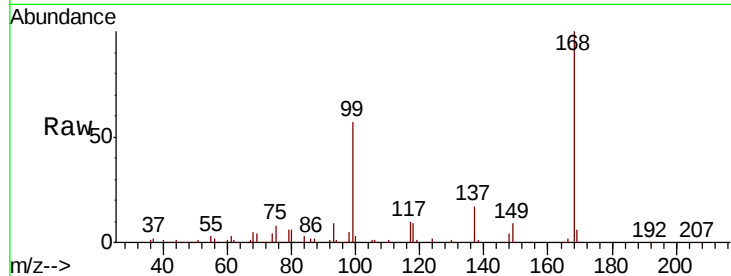




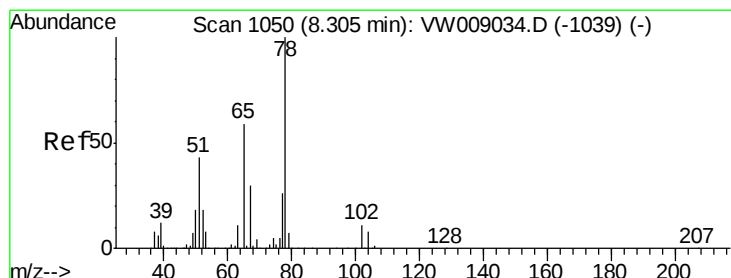
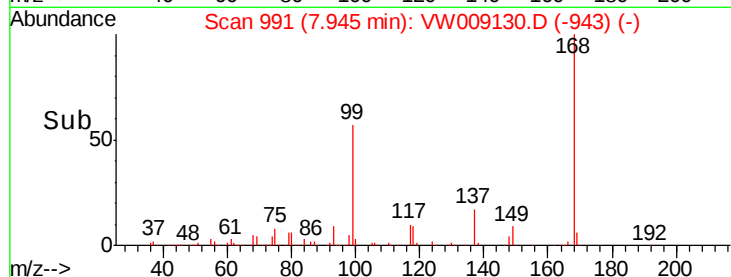
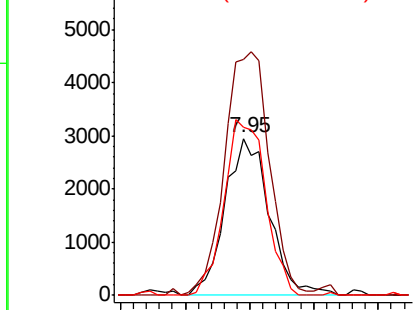
#31
Cyclohexane
Concen: 1.349 ug/l
RT: 7.95 min Scan# 991
Delta R.T. -0.01 min
Lab File: VW009130.D
Acq: 12 Mar 2019 18:06

Instrument :
MSVOA_W
ClientSampleId :
BALLFIELD-SS-03072019RE

Tgt Ion: 56 Resp: 7092
Ion Ratio Lower Upper
56 100
69 150.4 25.5 38.3#
84 107.4 68.6 103.0#

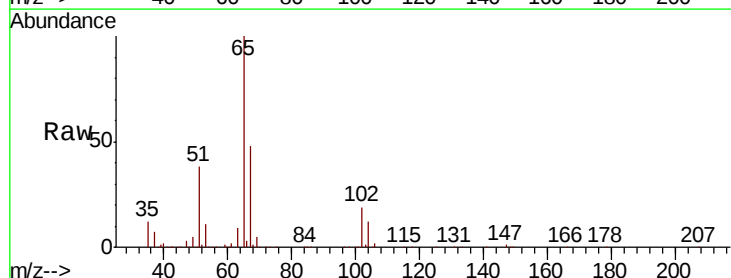


Abundance Ion 56.00 (55.70 to 56.70): VW
Ion 69.00 (68.70 to 69.70): VW
Ion 84.00 (83.70 to 84.70): VW

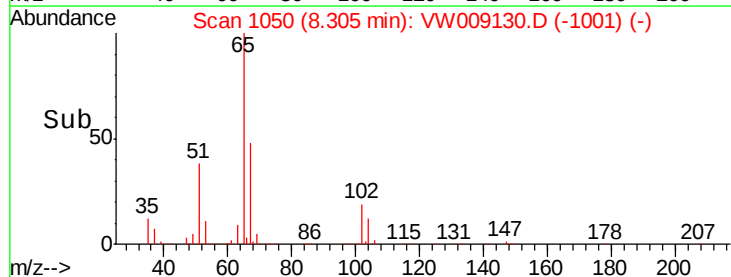
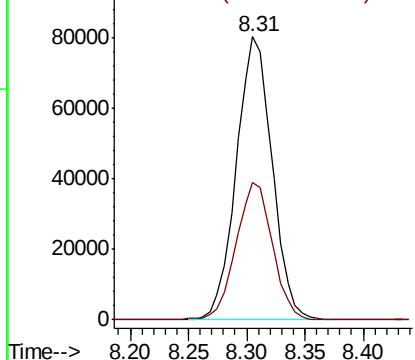


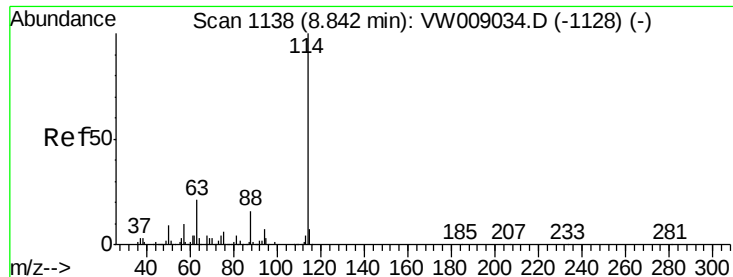
#33
1,2-Dichloroethane-d4
Concen: 61.160 ug/l
RT: 8.31 min Scan# 1050
Delta R.T. 0.00 min
Lab File: VW009130.D
Acq: 12 Mar 2019 18:06

Tgt Ion: 65 Resp: 172387
Ion Ratio Lower Upper
65 100
67 49.6 0.0 103.0



Abundance Ion 64.90 (64.60 to 65.60): VW
Ion 66.90 (66.60 to 67.60): VW

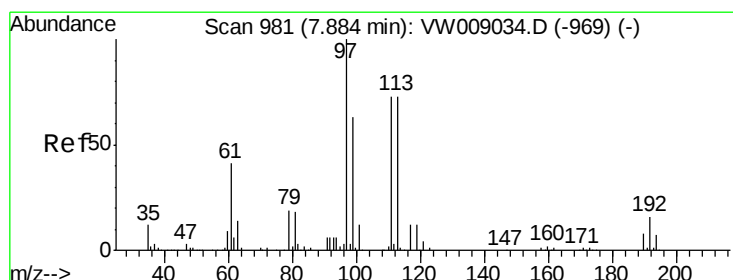
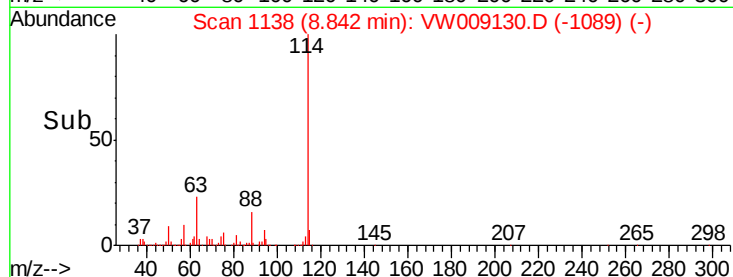
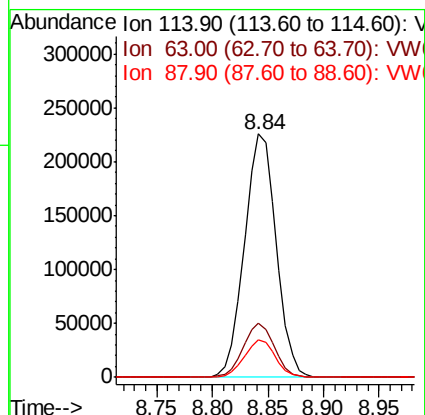
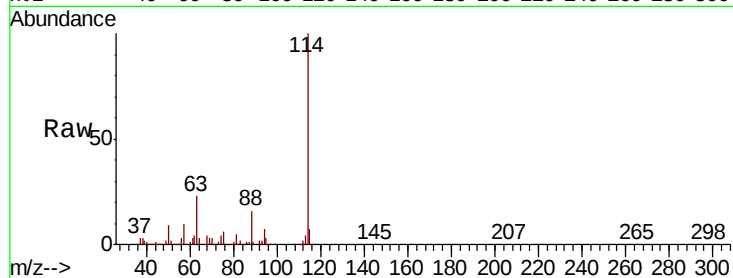




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.84 min Scan# 1138
Delta R.T. 0.00 min
Lab File: VW009130.D
Acq: 12 Mar 2019 18:06

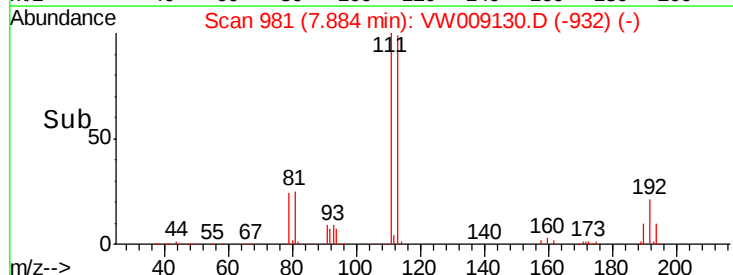
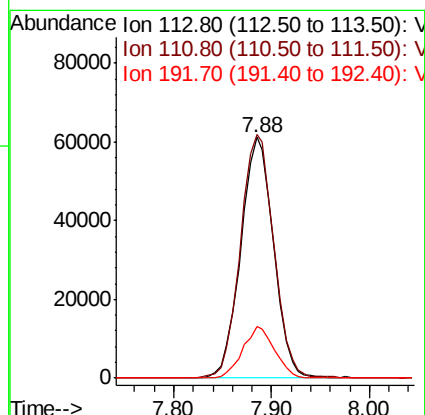
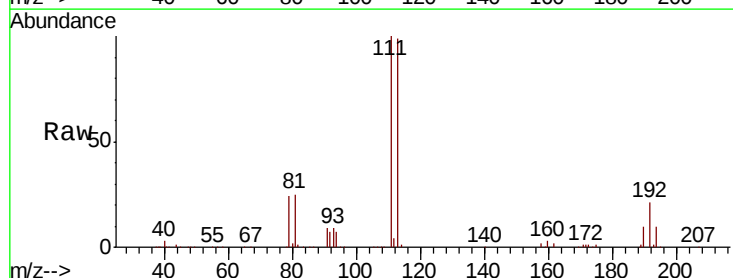
Instrument :
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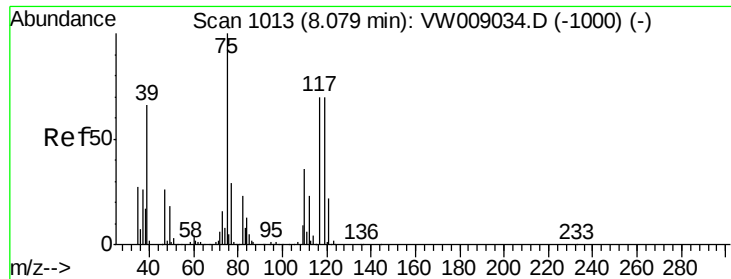
Tgt Ion:114 Resp: 447200
Ion Ratio Lower Upper
114 100
63 22.5 0.0 41.2
88 15.5 0.0 31.2



#35
Dibromofluoromethane
Concen: 52.594 ug/l
RT: 7.88 min Scan# 981
Delta R.T. 0.00 min
Lab File: VW009130.D
Acq: 12 Mar 2019 18:06

Tgt Ion:113 Resp: 141613
Ion Ratio Lower Upper
113 100
111 103.2 81.0 121.4
192 21.0 17.1 25.7

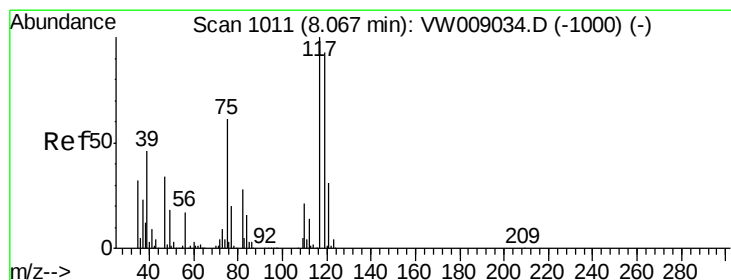
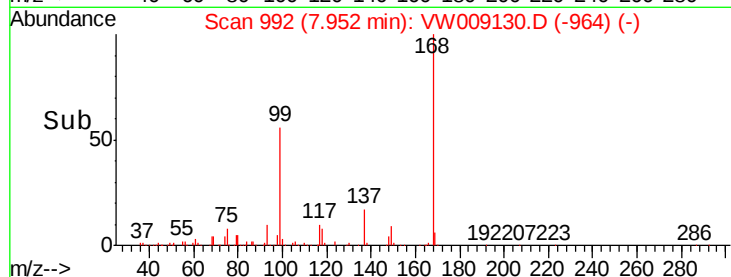
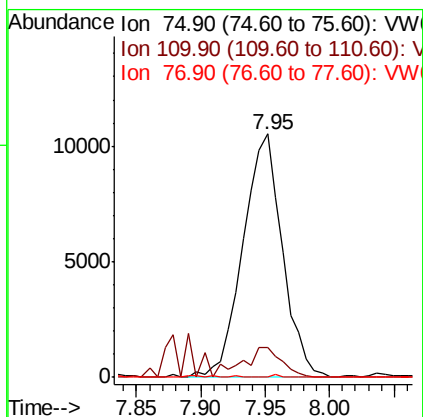
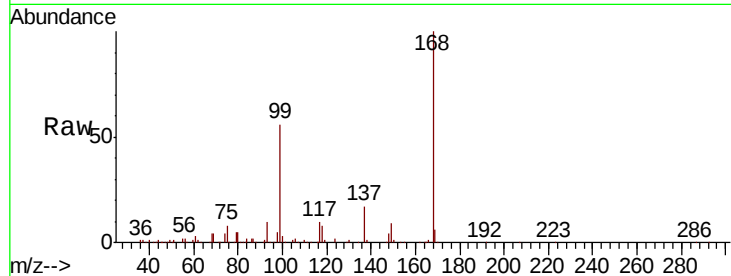




#36
 1,1-Dichloropropene
 Concen: 4.753 ug/l
 RT: 7.95 min Scan# 992
 Delta R.T. -0.13 min
 Lab File: VW009130.D
 Acq: 12 Mar 2019 18:06

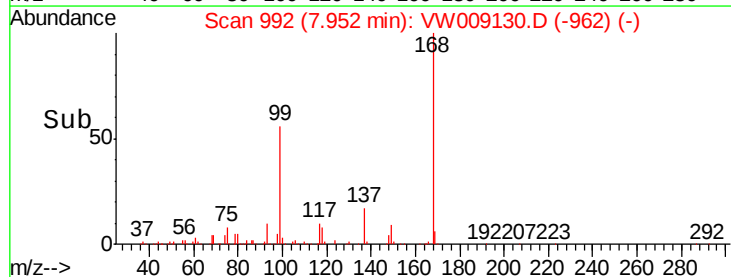
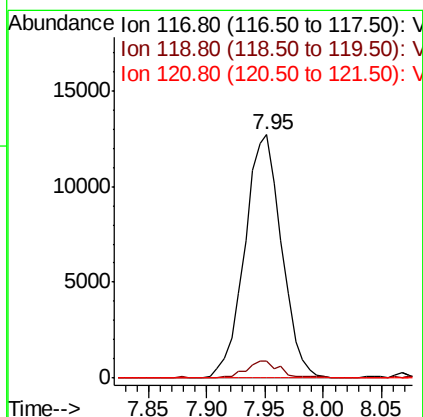
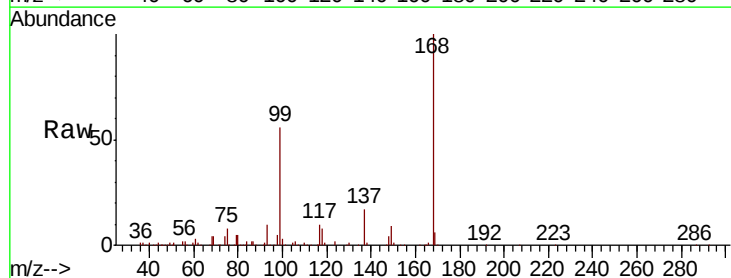
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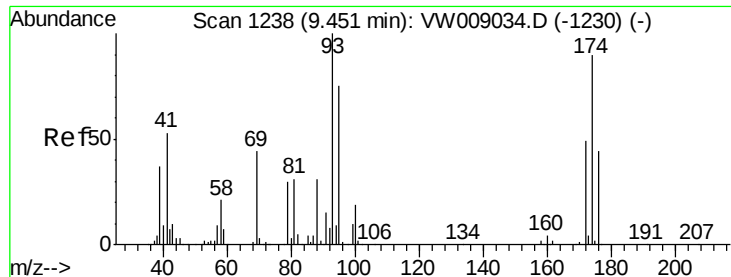
Tgt Ion	Ratio	Lower	Upper
75	100		
110	10.8	17.6	52.9#
77	0.2	25.1	37.7#



#38
 Carbon Tetrachloride
 Concen: 5.802 ug/l
 RT: 7.95 min Scan# 992
 Delta R.T. -0.12 min
 Lab File: VW009130.D
 Acq: 12 Mar 2019 18:06

Tgt Ion	Ratio	Lower	Upper
117	100		
119	6.8	74.6	112.0#
121	0.0	24.7	37.1#





#49

1,4-Dioxane

Concen: 3.068 ug/l

RT: 9.45 min Scan# 1237

Delta R.T. -0.01 min

Lab File: VW009130.D

Acq: 12 Mar 2019 18:06

Instrument :

MSVOA_W

ClientSampleId :

BALLFIELD-SS-03072019RE

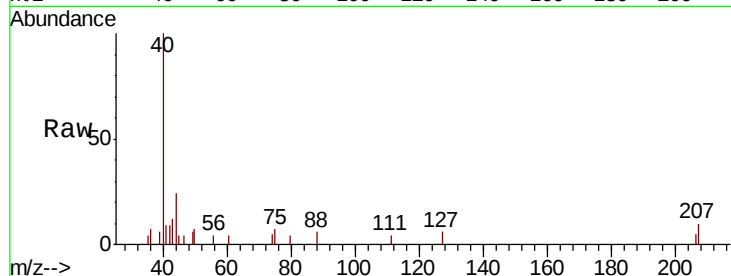
Tgt Ion: 88 Resp: 75

Ion Ratio Lower Upper

88 100

43 226.7 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

250

200

150

100

50

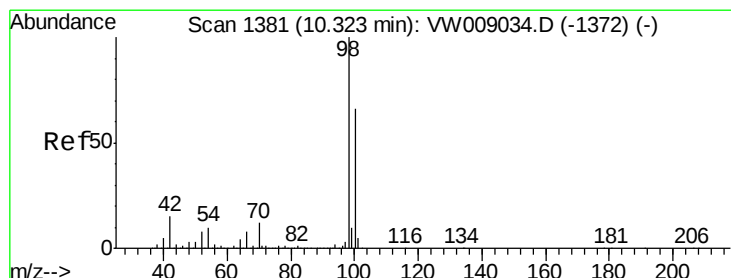
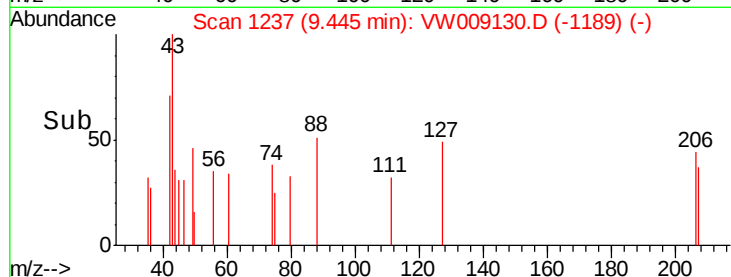
0

9.42

9.44

9.46

Time-->



#50

Toluene-d8

Concen: 49.150 ug/l

RT: 10.32 min Scan# 1381

Delta R.T. 0.00 min

Lab File: VW009130.D

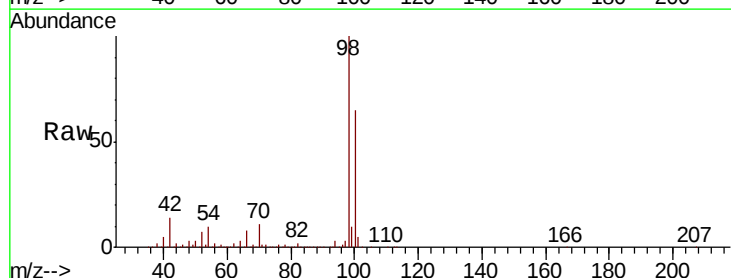
Acq: 12 Mar 2019 18:06

Tgt Ion: 98 Resp: 543533

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

300000

200000

100000

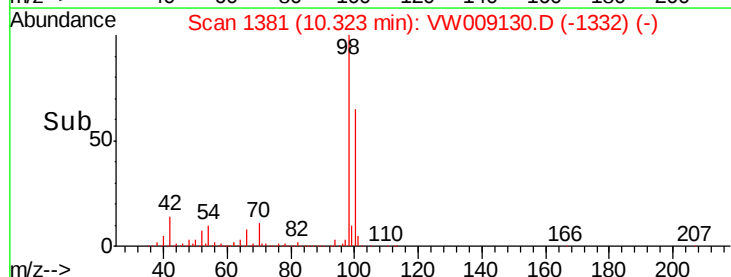
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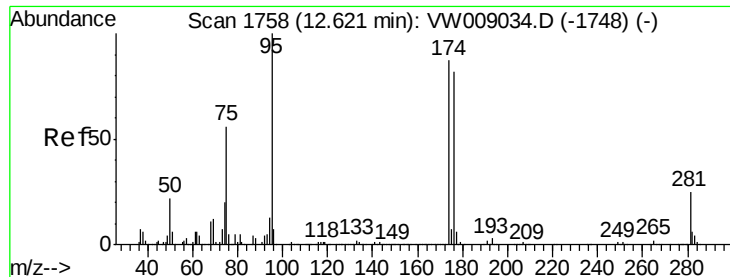
10.20

10.30

10.40

Time-->





#62

4-Bromofluorobenzene

Concen: 40.882 ug/l

RT: 12.62 min Scan# 1758

Delta R.T. 0.00 min

Lab File: VW009130.D

Acq: 12 Mar 2019 18:06

Instrument :

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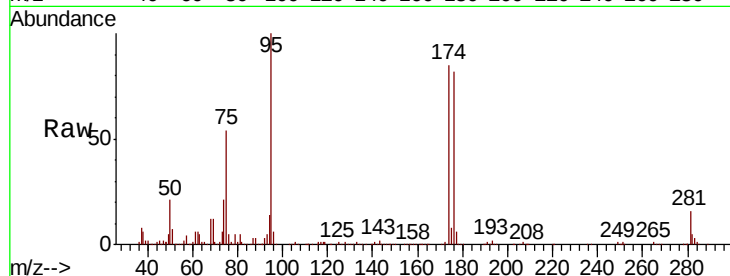
Tgt Ion: 95 Resp: 177973

Ion Ratio Lower Upper

95 100

174 86.4 0.0 167.0

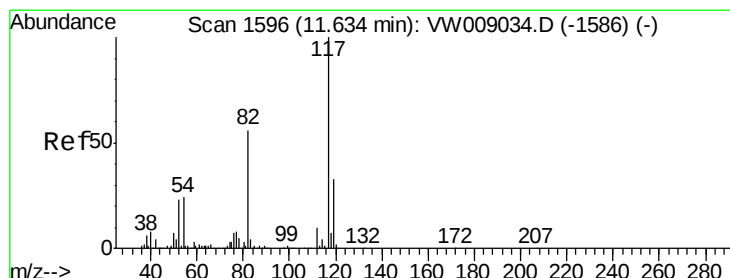
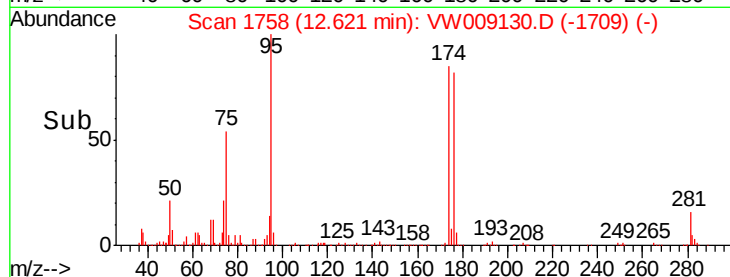
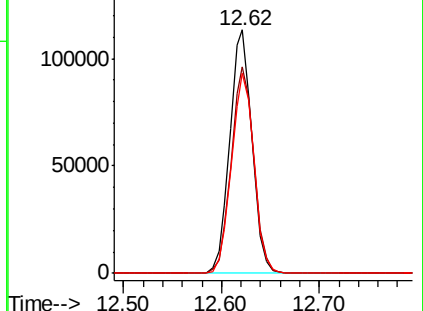
176 83.5 0.0 159.4



Abundance Ion 94.90 (94.60 to 95.60): VW

Ion 173.80 (173.50 to 174.50): VW

Ion 175.80 (175.50 to 176.50): VW



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.63 min Scan# 1596

Delta R.T. 0.00 min

Lab File: VW009130.D

Acq: 12 Mar 2019 18:06

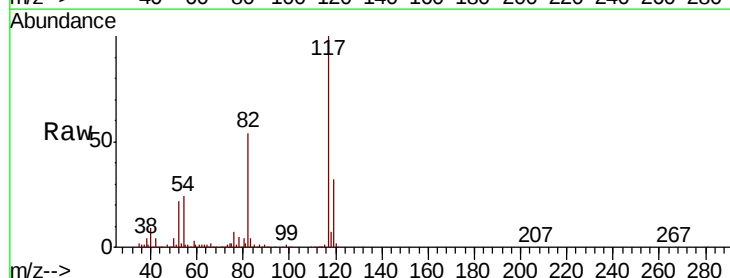
Tgt Ion: 117 Resp: 400626

Ion Ratio Lower Upper

117 100

82 54.1 45.0 67.6

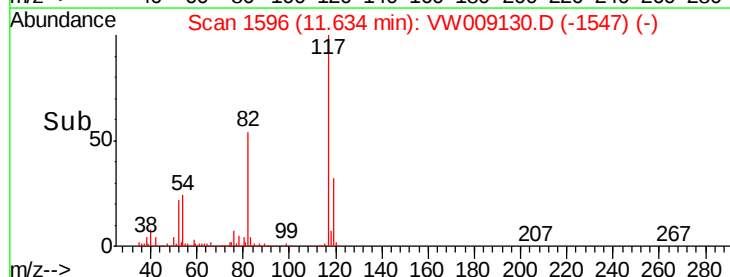
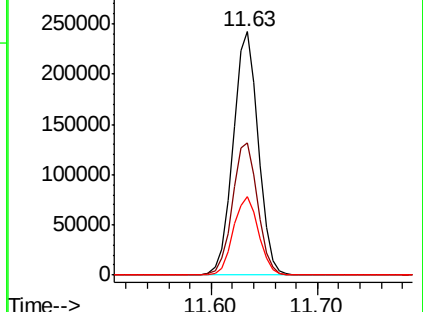
119 32.0 26.6 39.8

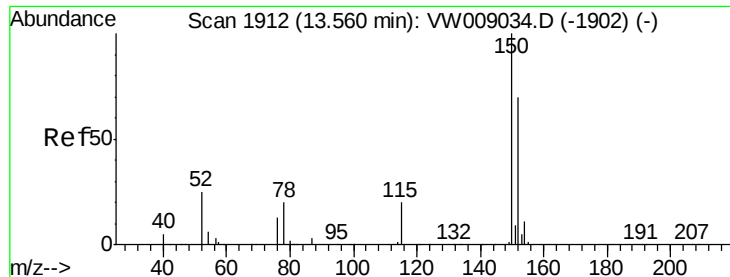


Abundance Ion 116.90 (116.60 to 117.60): VW

Ion 82.00 (81.70 to 82.70): VW

Ion 118.90 (118.60 to 119.60): VW





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.56 min Scan# 1912

Delta R.T. 0.00 min

Lab File: VW009130.D

Acq: 12 Mar 2019 18:06

Instrument :

MSVOA_W

ClientSampleId :

BALLFIELD-SS-03072019RE

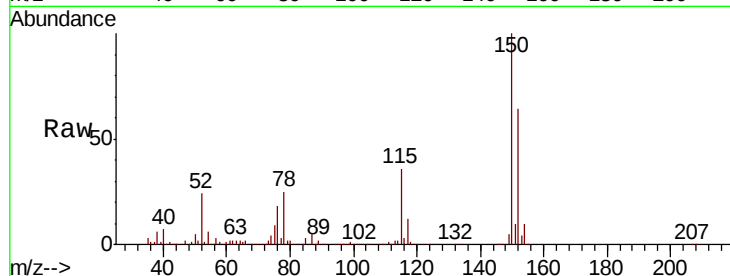
Tgt Ion:152 Resp: 182951

Ion Ratio Lower Upper

152 100

115 57.0 28.9 86.7

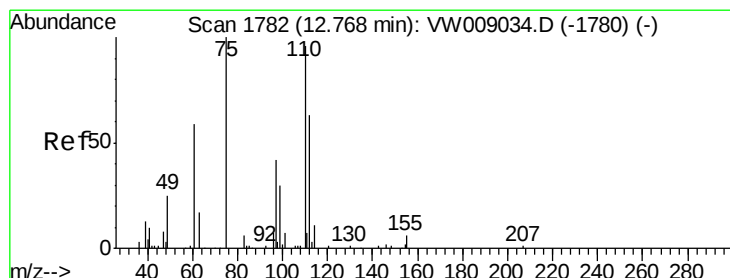
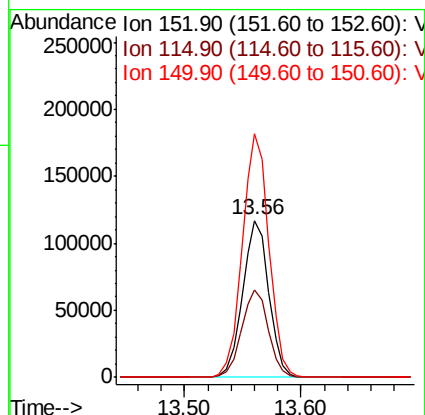
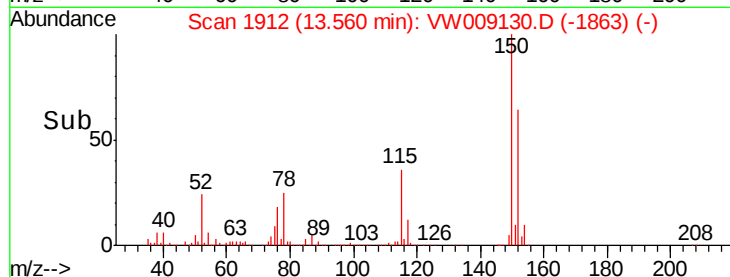
150 157.3 0.0 349.2



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: 67.875 ug/l

RT: 12.62 min Scan# 1758

Delta R.T. -0.15 min

Lab File: VW009130.D

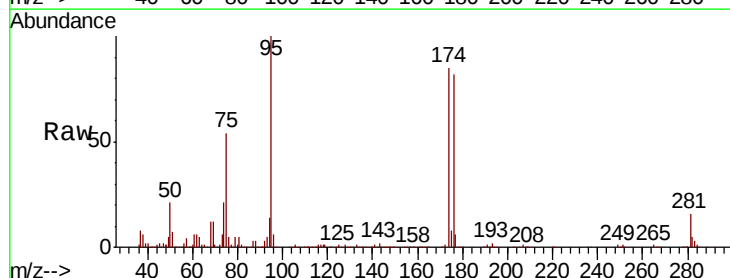
Acq: 12 Mar 2019 18:06

Tgt Ion: 75 Resp: 98111

Ion Ratio Lower Upper

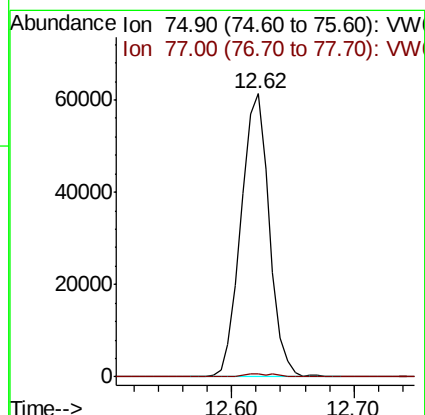
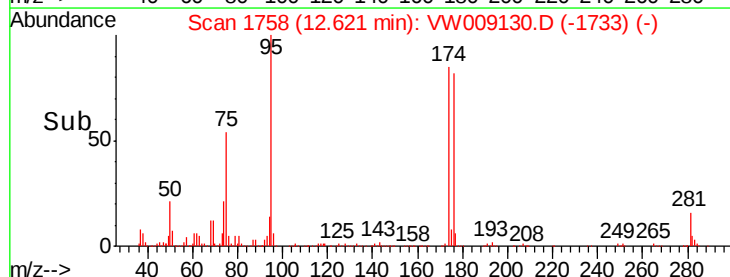
75 100

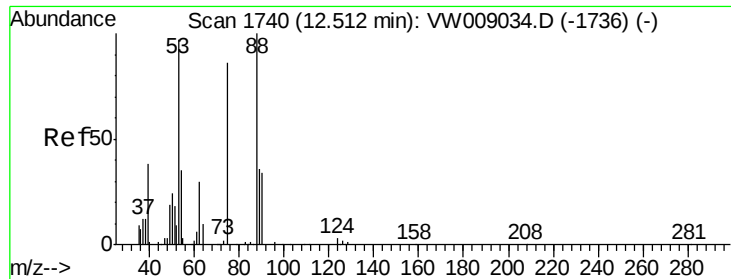
77 1.3 186.7 560.0#



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: 151.819 ug/l

RT: 12.62 min Scan# 1758

Delta R.T. 0.11 min

Lab File: VW009130.D

Acq: 12 Mar 2019 18:06

Instrument :

MSVOA_W

ClientSampleId :

BALLFIELD-SS-03072019RE

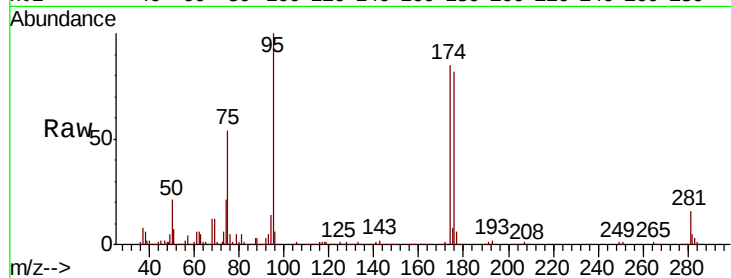
Tgt Ion: 75 Resp: 98111

Ion Ratio Lower Upper

75 100

53 0.3 90.5 135.7#

89 0.3 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

