

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW031219\
 Data File : VW009140.D
 Acq On : 13 Mar 2019 07:09
 Operator : SY/VA
 Sample : K1687-01RE
 Misc : 6.37G/5ML/MSVOA_W/SOIL
 ALS Vial : 32 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 HR-06-031119-ARE

Quant Time: Mar 13 08:25:26 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	343131	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	545944	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	528239	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	273049	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	207003	59.96	ug/l	0.00
Spiked Amount			Recovery	=	119.92%	
35) Dibromofluoromethane	7.88	113	164250	49.97	ug/l	0.00
Spiked Amount			Recovery	=	99.94%	
50) Toluene-d8	10.32	98	689577	51.08	ug/l	0.00
Spiked Amount			Recovery	=	102.16%	
62) 4-Bromofluorobenzene	12.62	95	296595	55.81	ug/l	0.00
Spiked Amount			Recovery	=	111.62%	

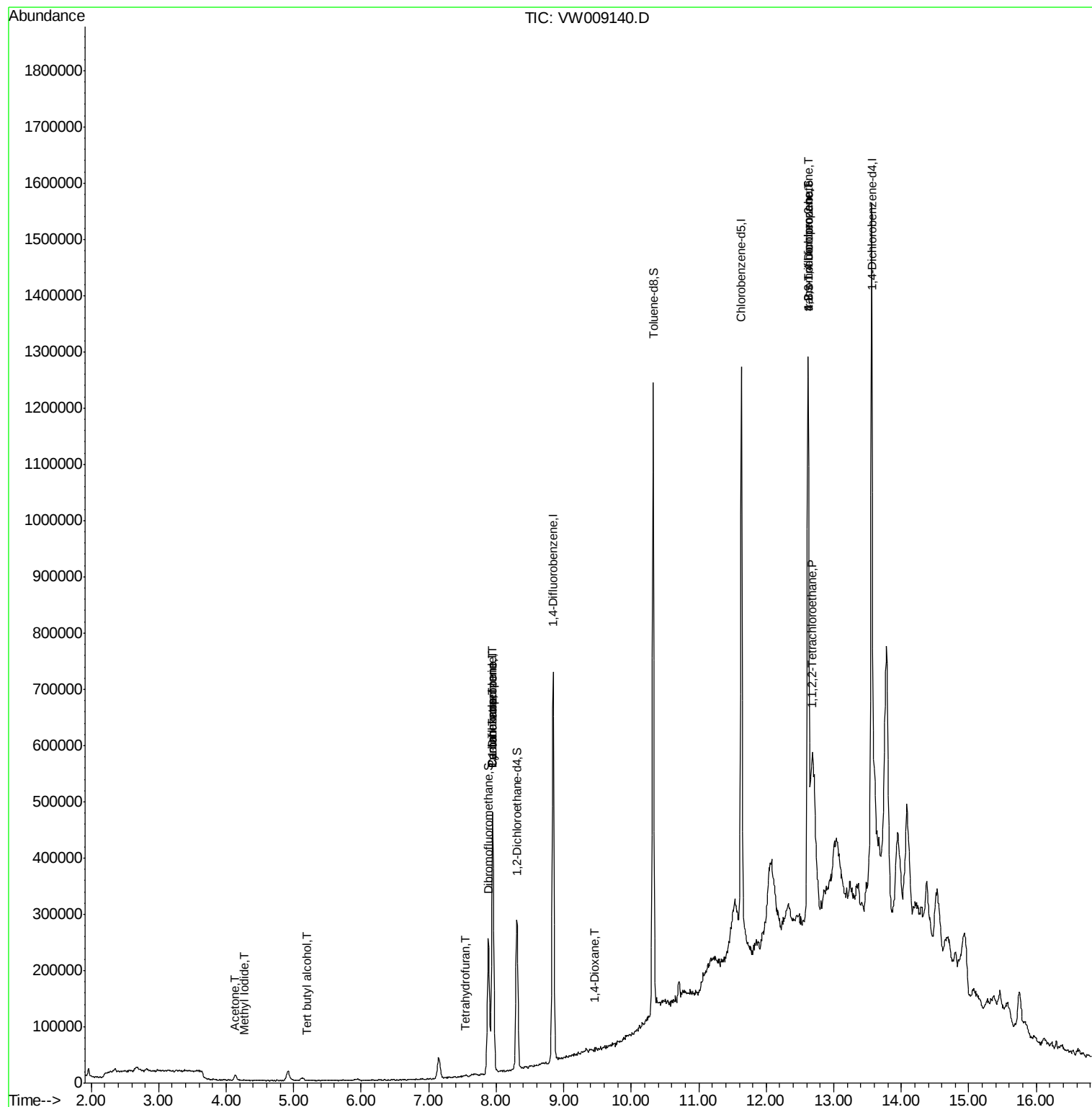
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
10) Methyl Iodide	4.26	142	41	3.197	ug/l #	40
11) Tert butyl alcohol	5.19	59	1033	3.905	ug/l #	78
16) Acetone	4.14	43	16868	21.653	ug/l	93
20) Methylene Chloride	4.92	84	11975	Below Cal	#	90
29) Tetrahydrofuran	7.54	42	2212	3.260	ug/l #	77
31) Cyclohexane	7.95	56	9023	1.401	ug/l #	46
36) 1,1-Dichloropropene	7.95	75	27981	4.902	ug/l #	54
38) Carbon Tetrachloride	7.95	117	33890	5.749	ug/l #	18
49) 1,4-Dioxane	9.45	88	43	1.441	ug/l #	1
75) 1,1,2,2-Tetrachloroethane	12.69	83	102148	33.118	ug/l #	27
76) 1,2,3-Trichloropropane	12.62	75	147571	68.405	ug/l #	1
81) trans-1,4-Dichloro-2-buten	12.62	75	147571	153.004	ug/l #	7

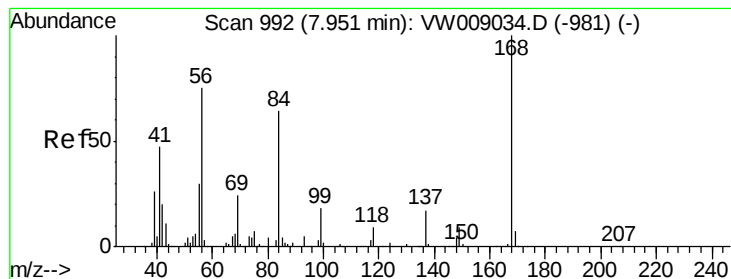
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.95 min Scan# 991

Delta R.T. -0.01 min

Lab File: VW009140.D

Acq: 13 Mar 2019 07:09

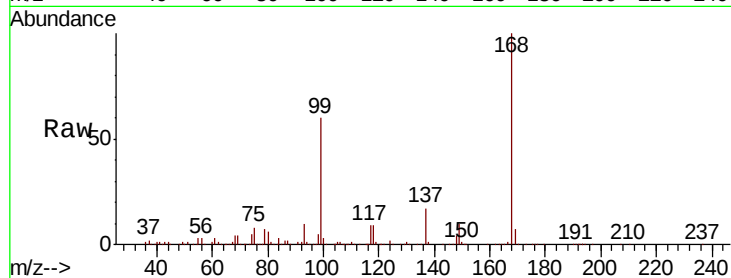
Instrument :
MSVOA_W
ClientSampleId :
HR-06-031119-ARE

Tgt Ion:168 Resp: 343131

Ion Ratio Lower Upper

168 100

99 60.4 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

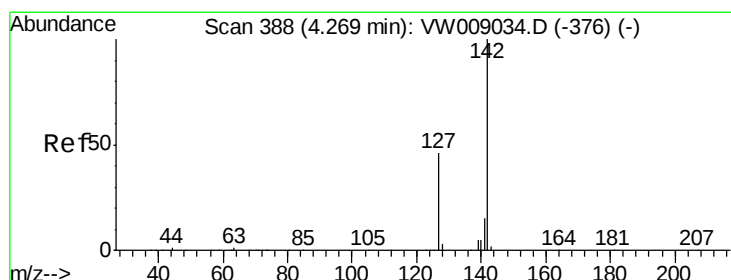
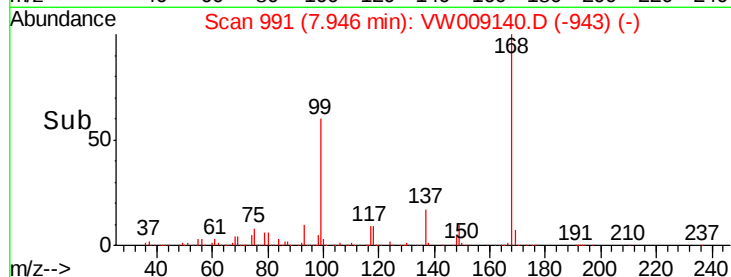
150000

100000

50000

0

Time--> 7.80 7.90 8.00 8.10



#10

Methyl Iodide

Concen: 3.197 ug/l

RT: 4.26 min Scan# 386

Delta R.T. -0.01 min

Lab File: VW009140.D

Acq: 13 Mar 2019 07:09

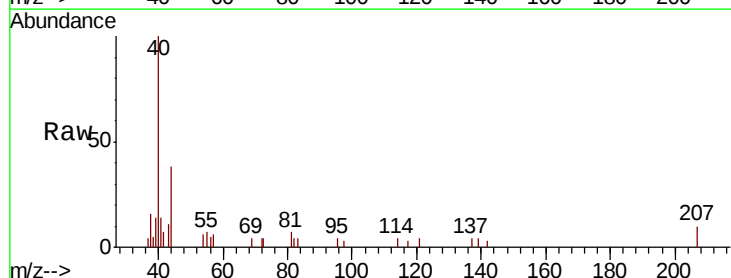
Tgt Ion:142 Resp: 41

Ion Ratio Lower Upper

142 100

127 0.0 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

4.26

80

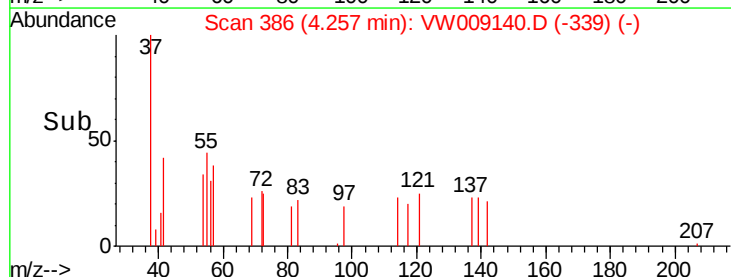
60

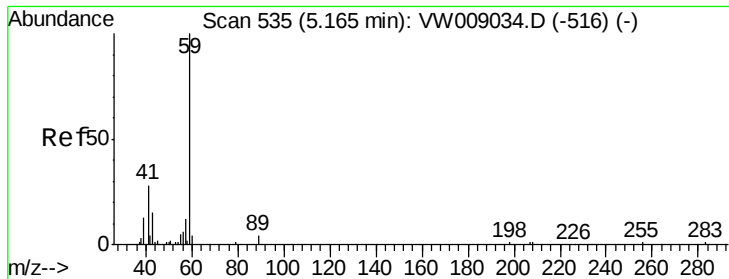
40

20

0

Time--> 4.24 4.26 4.28

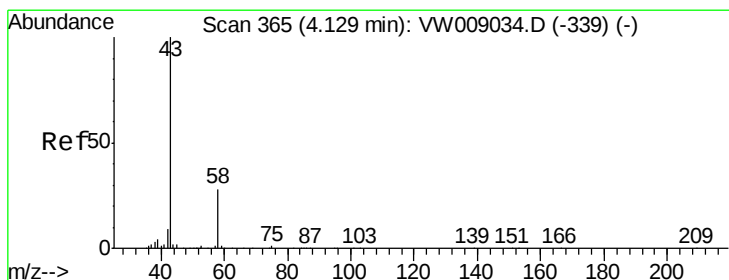
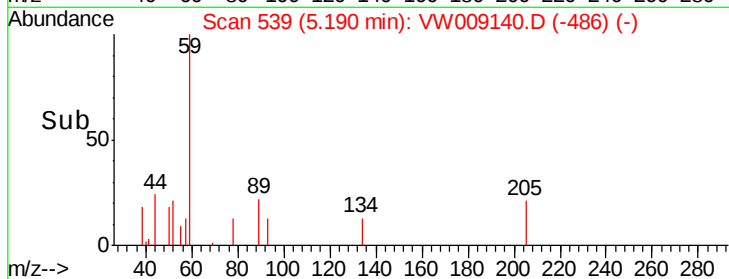
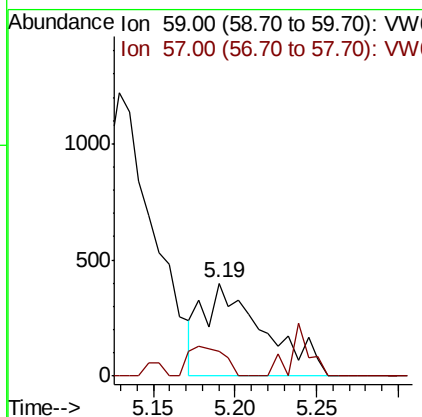
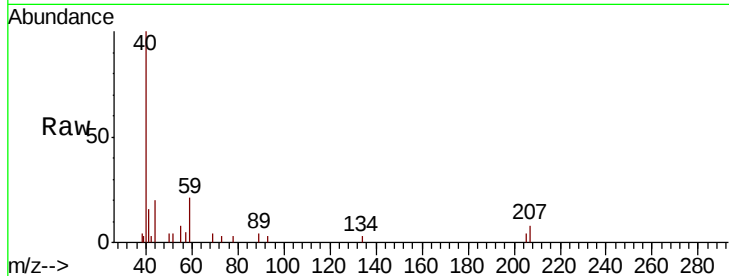




#11
Tert butyl alcohol
Concen: 3.905 ug/l
RT: 5.19 min Scan# 539
Delta R.T. 0.02 min
Lab File: VW009140.D
Acq: 13 Mar 2019 07:09

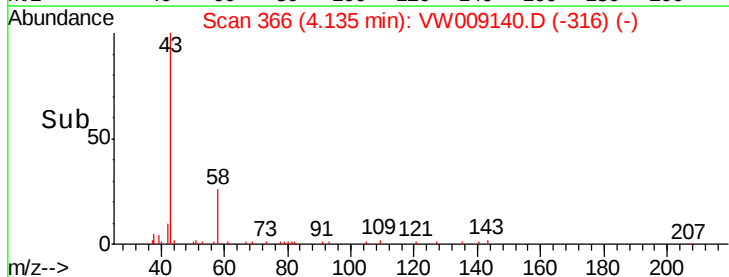
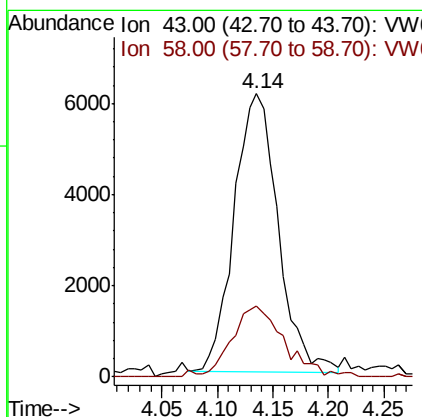
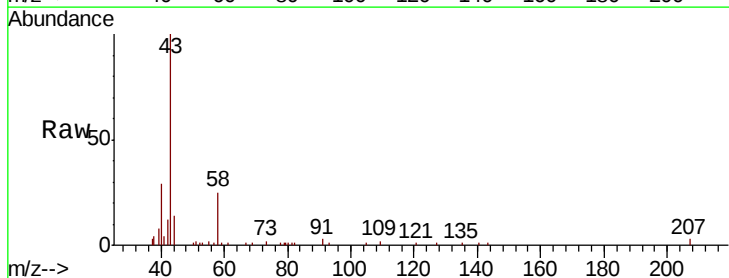
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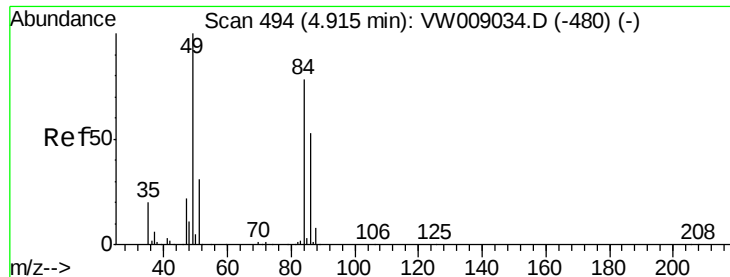
Tgt Ion: 59 Resp: 1033
Ion Ratio Lower Upper
59 100
57 19.1 8.6 12.8#



#16
Acetone
Concen: 21.653 ug/l
RT: 4.14 min Scan# 366
Delta R.T. 0.01 min
Lab File: VW009140.D
Acq: 13 Mar 2019 07:09

Tgt Ion: 43 Resp: 16868
Ion Ratio Lower Upper
43 100
58 24.4 22.5 33.7

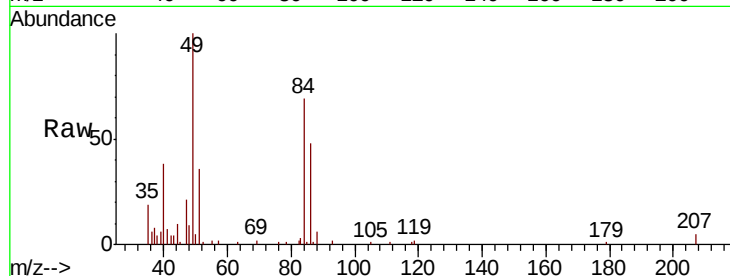




#20
Methylene Chloride
Concen: Below Cal
RT: 4.92 min Scan# 495
Delta R.T. 0.01 min
Lab File: VW009140.D
Acq: 13 Mar 2019 07:09

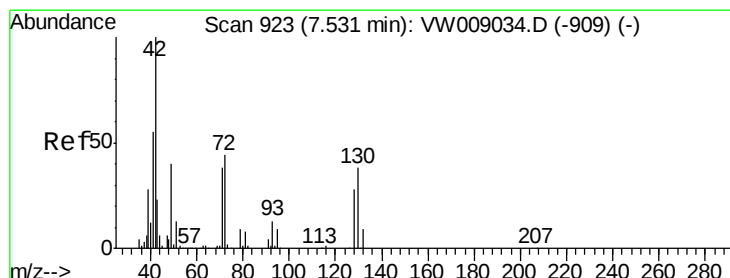
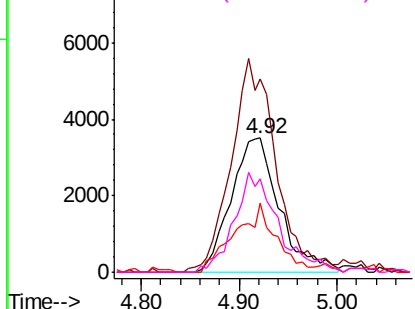
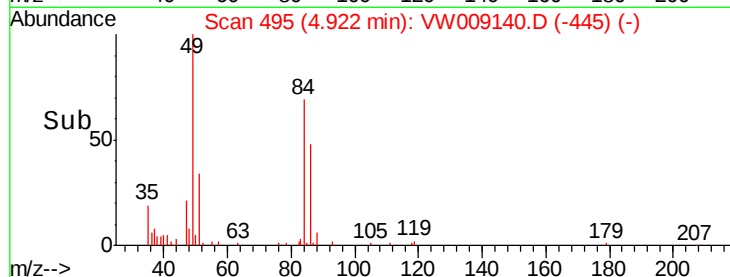
Instrument :
MSVOA_W
ClientSampleId :
HR-06-031119-ARE

Tgt Ion: 84 Resp: 11975
Ion Ratio Lower Upper
84 100
49 141.9 102.4 153.6
51 51.6 31.6 47.4#
86 69.6 54.5 81.7



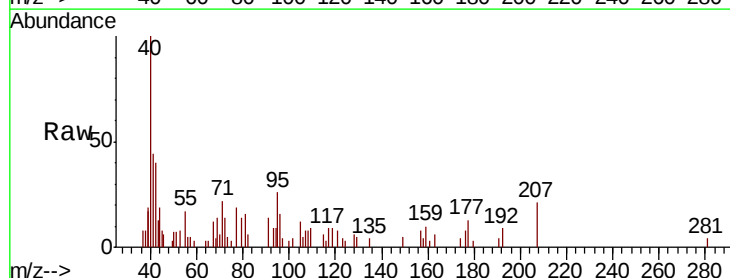
Abundance

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



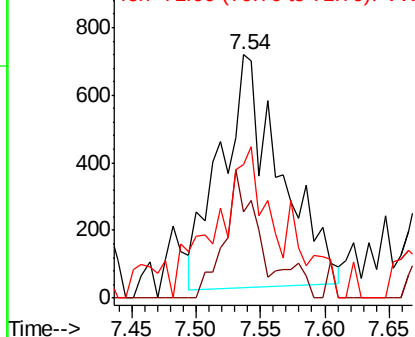
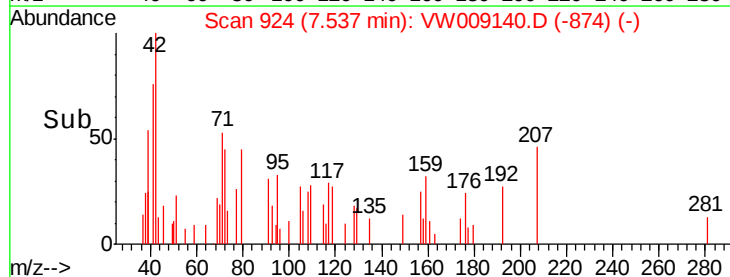
#29
Tetrahydrofuran
Concen: 3.260 ug/l
RT: 7.54 min Scan# 924
Delta R.T. 0.01 min
Lab File: VW009140.D
Acq: 13 Mar 2019 07:09

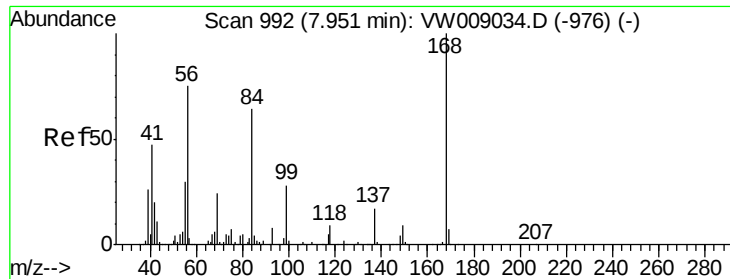
Tgt Ion: 42 Resp: 2212
Ion Ratio Lower Upper
42 100
72 28.8 32.2 48.4#
71 55.1 30.7 46.1#



Abundance

Ion 42.00 (41.70 to 42.70): VW
Ion 72.00 (71.70 to 72.70): VW
Ion 71.00 (70.70 to 71.70): VW

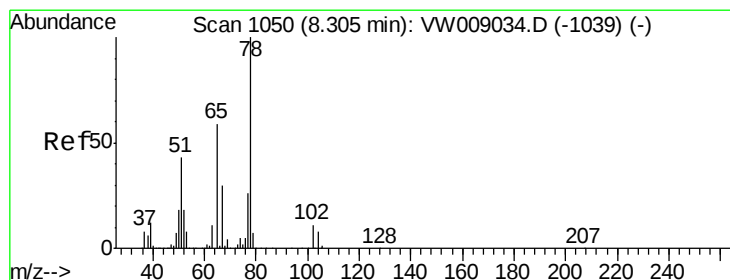
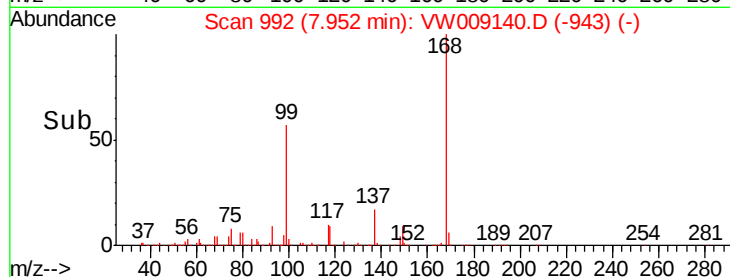
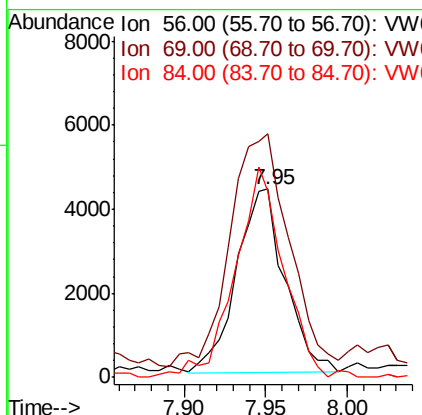
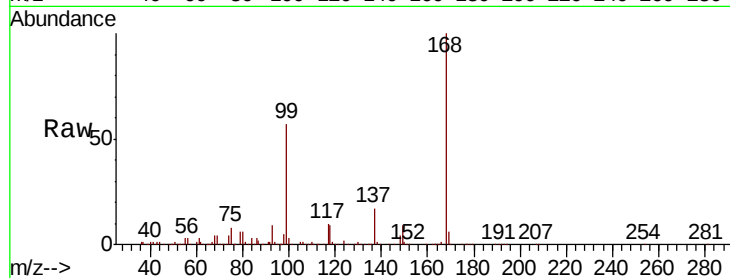




#31
Cyclohexane
Concen: 1.401 ug/l
RT: 7.95 min Scan# 992
Delta R.T. 0.00 min
Lab File: VW009140.D
Acq: 13 Mar 2019 07:09

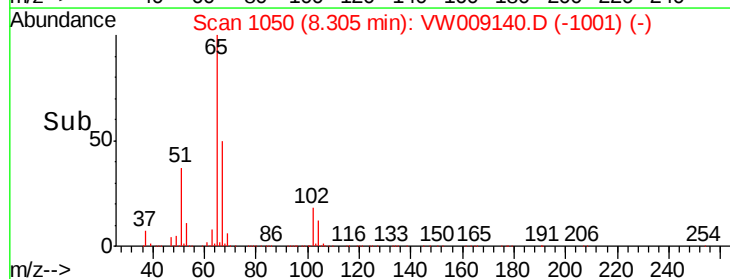
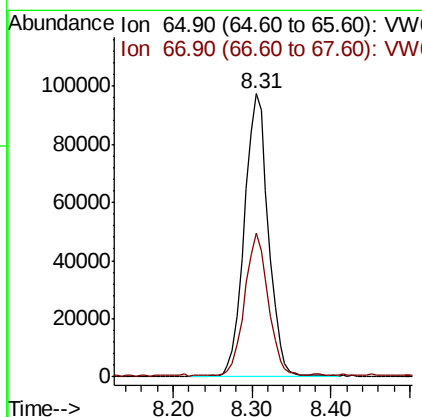
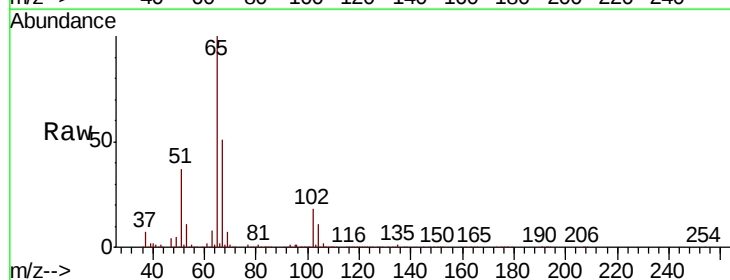
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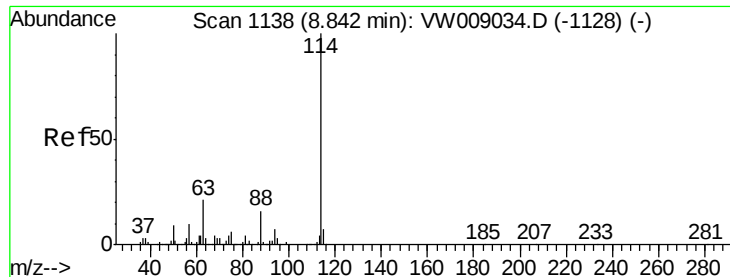
Tgt Ion: 56 Resp: 9023
Ion Ratio Lower Upper
56 100
69 123.7 25.5 38.3#
84 98.0 68.6 103.0



#33
1,2-Dichloroethane-d4
Concen: 59.962 ug/l
RT: 8.31 min Scan# 1050
Delta R.T. 0.00 min
Lab File: VW009140.D
Acq: 13 Mar 2019 07:09

Tgt Ion: 65 Resp: 207003
Ion Ratio Lower Upper
65 100
67 48.7 0.0 103.0

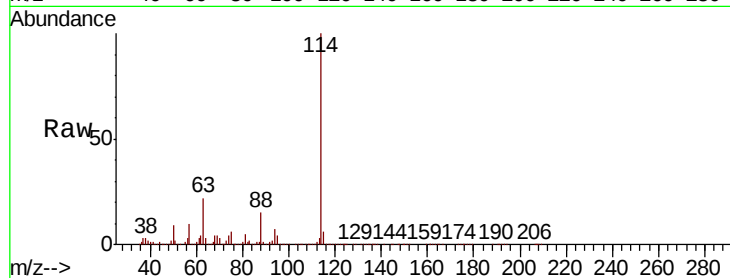




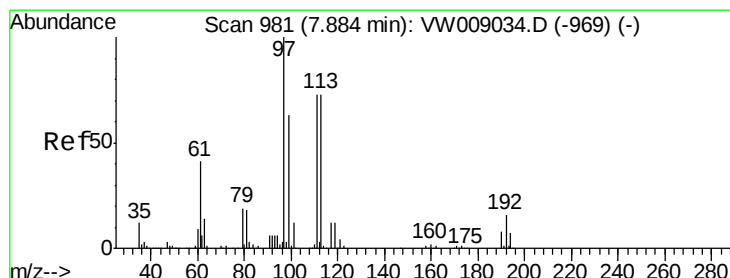
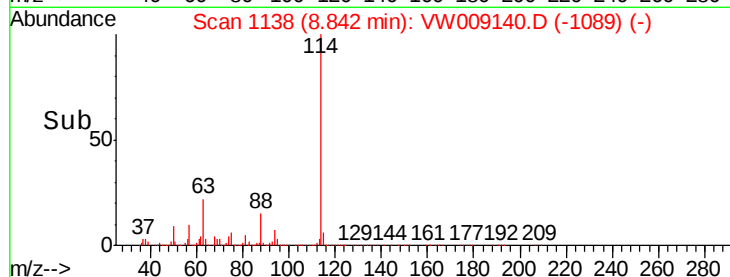
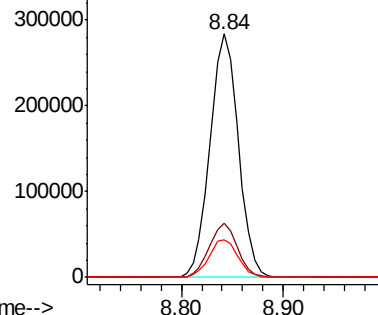
#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.84 min Scan# 1138
Delta R.T. 0.00 min
Lab File: VW009140.D
Acq: 13 Mar 2019 07:09

Instrument :
MSVOA_W
ClientSampleId :
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Tgt Ion:114 Resp: 545944
Ion Ratio Lower Upper
114 100
63 22.0 0.0 41.2
88 15.2 0.0 31.2

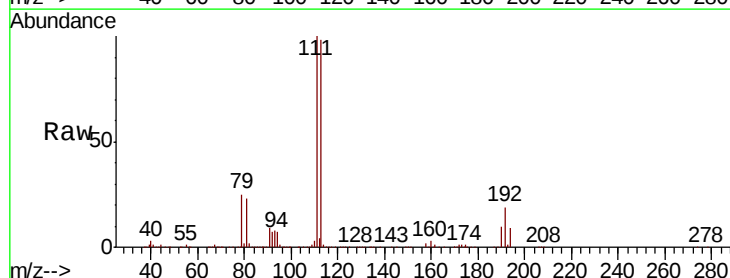


Abundance Ion 113.90 (113.60 to 114.60): V
Ion 63.00 (62.70 to 63.70): VW
Ion 87.90 (87.60 to 88.60): VW

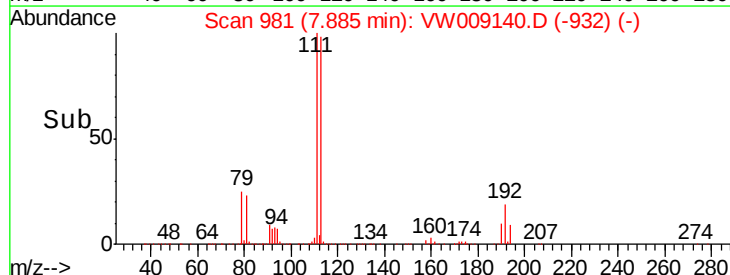
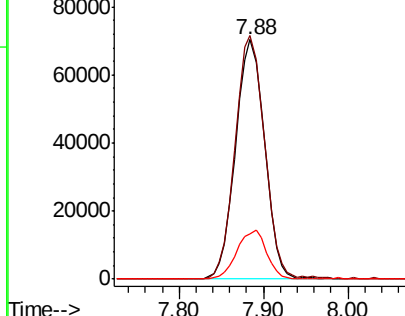


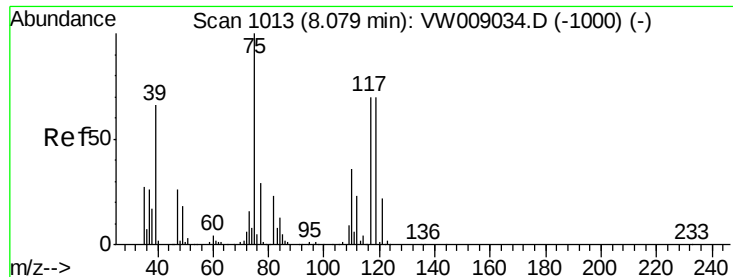
#35
Dibromofluoromethane
Concen: 49.968 ug/l
RT: 7.88 min Scan# 981
Delta R.T. 0.00 min
Lab File: VW009140.D
Acq: 13 Mar 2019 07:09

Tgt Ion:113 Resp: 164250
Ion Ratio Lower Upper
113 100
111 103.1 81.0 121.4
192 20.8 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

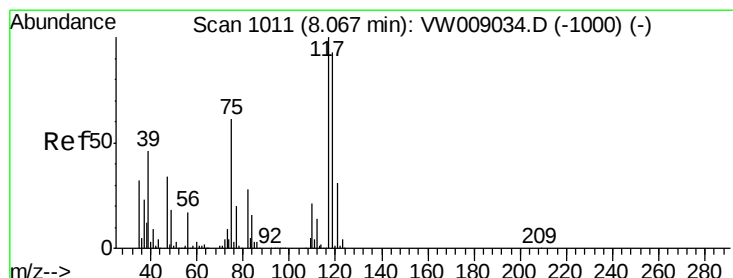
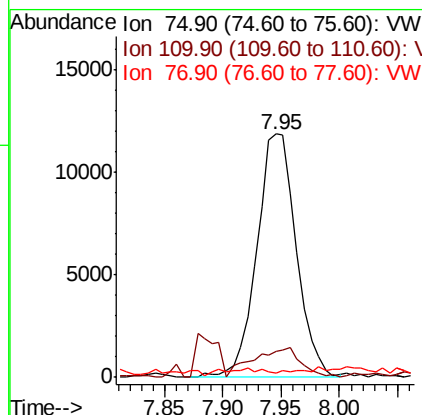
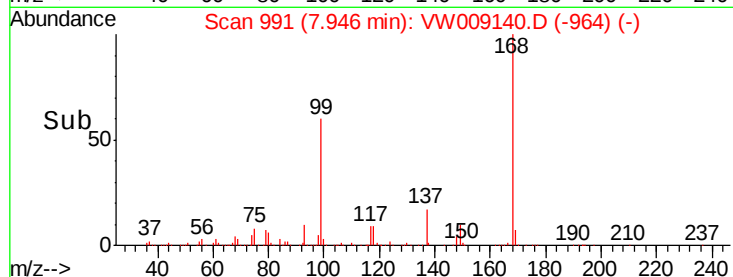
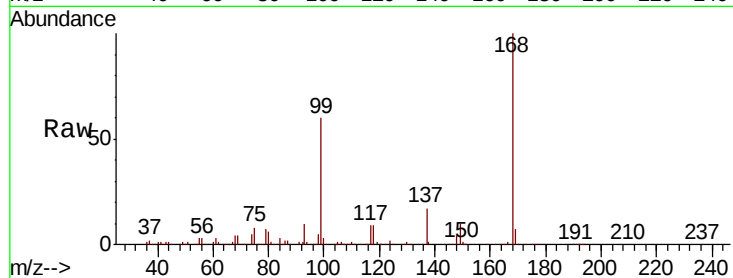




#36
 1,1-Dichloropropene
 Concen: 4.902 ug/l
 RT: 7.95 min Scan# 991
 Delta R.T. -0.13 min
 Lab File: VW009140.D
 Acq: 13 Mar 2019 07:09

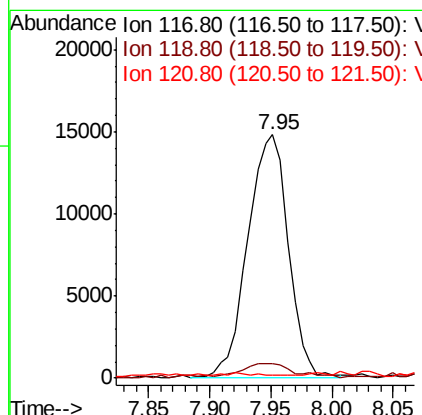
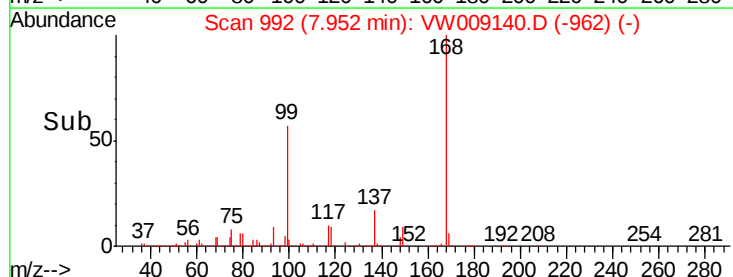
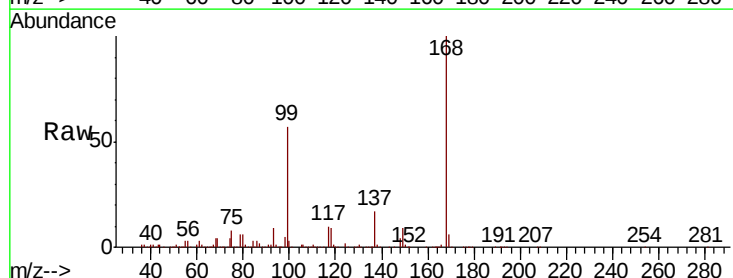
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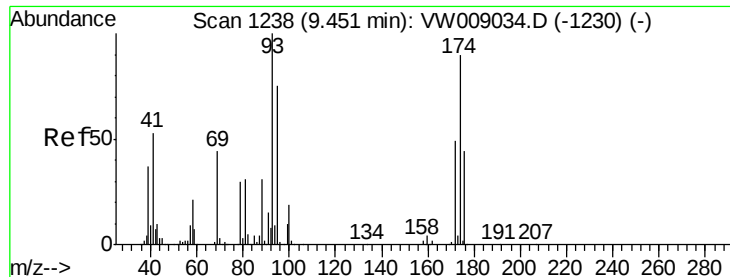
Tgt Ion: 75 Resp: 27981
 Ion Ratio Lower Upper
 75 100
 110 14.3 17.6 52.9#
 77 0.2 25.1 37.7#



#38
 Carbon Tetrachloride
 Concen: 5.749 ug/l
 RT: 7.95 min Scan# 992
 Delta R.T. -0.12 min
 Lab File: VW009140.D
 Acq: 13 Mar 2019 07:09

Tgt Ion: 117 Resp: 33890
 Ion Ratio Lower Upper
 117 100
 119 5.8 74.6 112.0#
 121 0.0 24.7 37.1#





#49

1,4-Dioxane

Concen: 1.441 ug/l

RT: 9.45 min Scan# 1238

Delta R.T. 0.00 min

Lab File: VW009140.D

Acq: 13 Mar 2019 07:09

Instrument :

MSVOA_W

ClientSampleId :

HR-06-031119-ARE

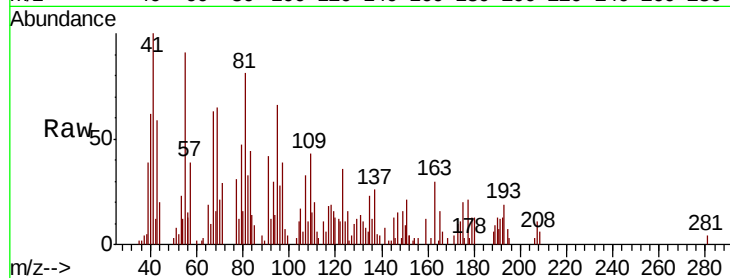
Tgt Ion: 88 Resp: 43

Ion Ratio Lower Upper

88 100

43 1200.0 29.0 43.4#

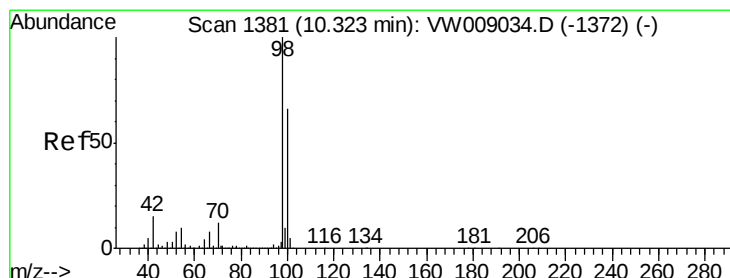
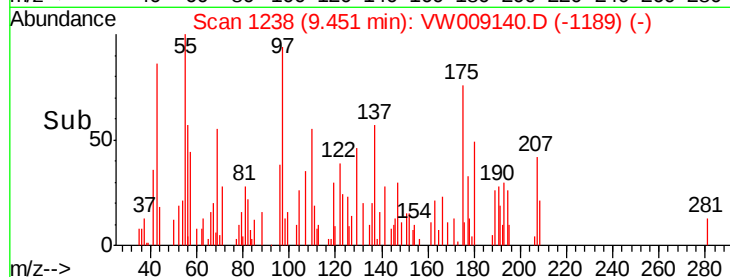
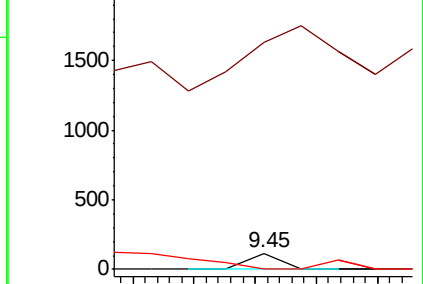
58 60.5 59.2 88.8



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: 51.078 ug/l

RT: 10.32 min Scan# 1381

Delta R.T. 0.00 min

Lab File: VW009140.D

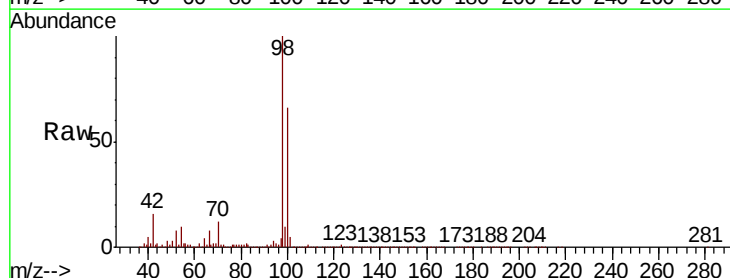
Acq: 13 Mar 2019 07:09

Tgt Ion: 98 Resp: 689577

Ion Ratio Lower Upper

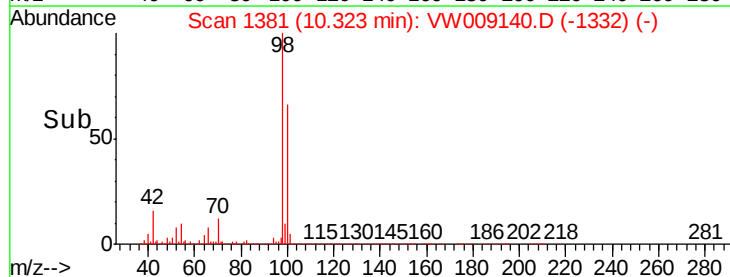
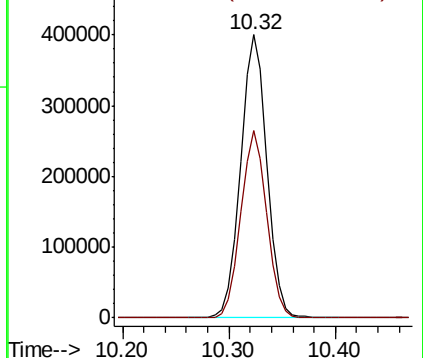
98 100

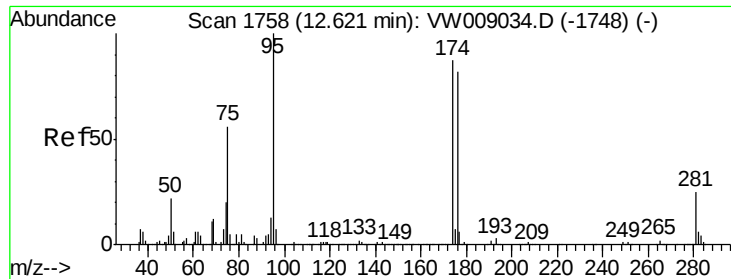
100 65.7 51.9 77.9



Abundance Ion 98.00 (97.70 to 98.70): VW

Ion 100.00 (99.70 to 100.70): VW





#62

4-Bromofluorobenzene

Concen: 55.807 ug/l

RT: 12.62 min Scan# 1758

Delta R.T. 0.00 min

Lab File: VW009140.D

Acq: 13 Mar 2019 07:09

Instrument :

MSVOA_W

ClientSampleId :

HR-06-031119-ARE

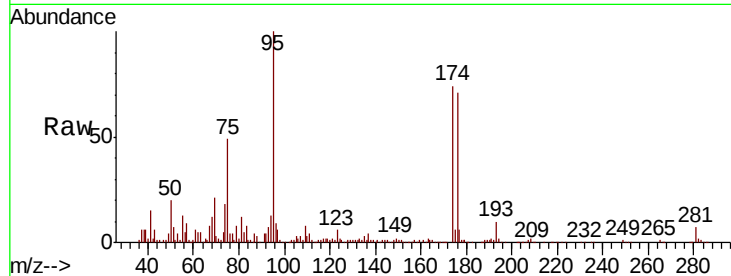
Tgt Ion: 95 Resp: 296595

Ion Ratio Lower Upper

95 100

174 69.9 0.0 167.0

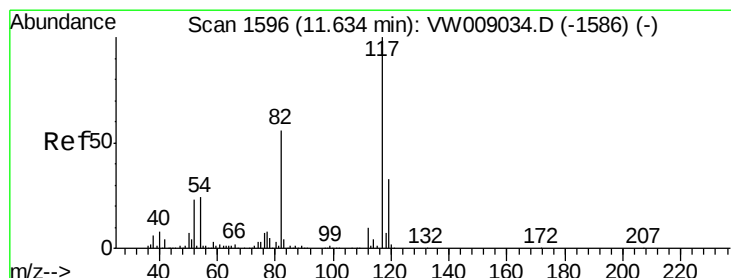
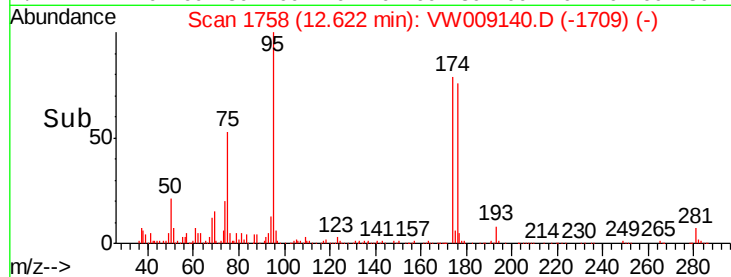
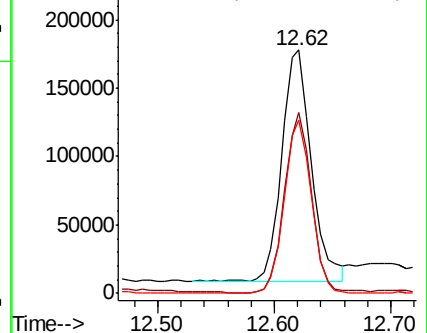
176 68.0 0.0 159.4



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: VW009140.D

Acq: 13 Mar 2019 07:09

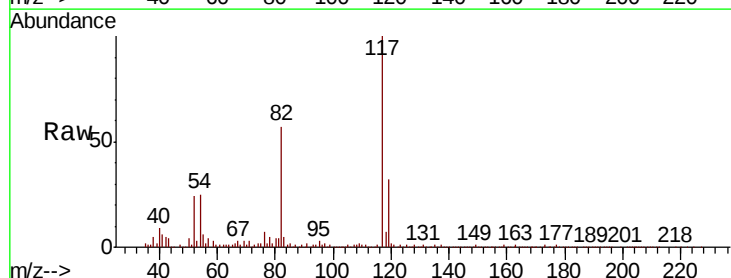
Tgt Ion: 117 Resp: 528239

Ion Ratio Lower Upper

117 100

82 56.2 45.0 67.6

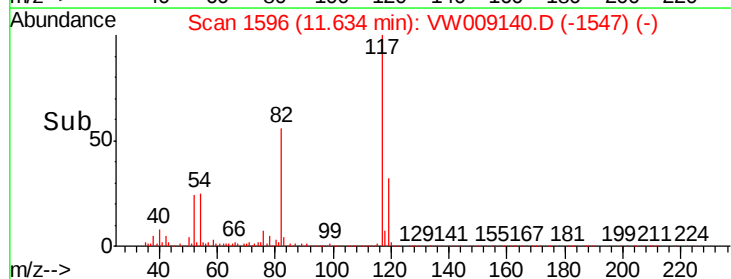
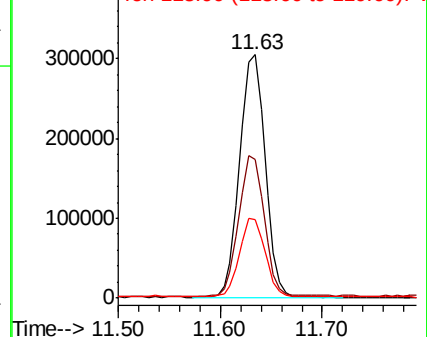
119 31.6 26.6 39.8

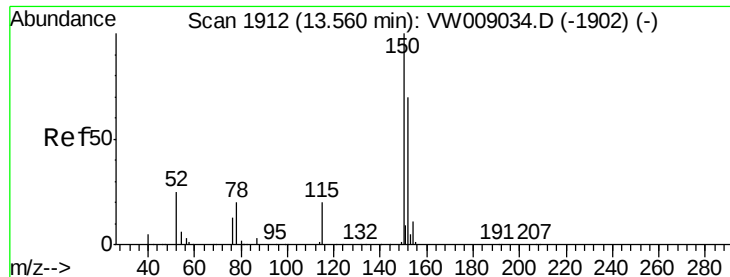


Abundance Ion 116.90 (116.60 to 117.60): VW

Ion 82.00 (81.70 to 82.70): VW

Ion 118.90 (118.60 to 119.60): VW

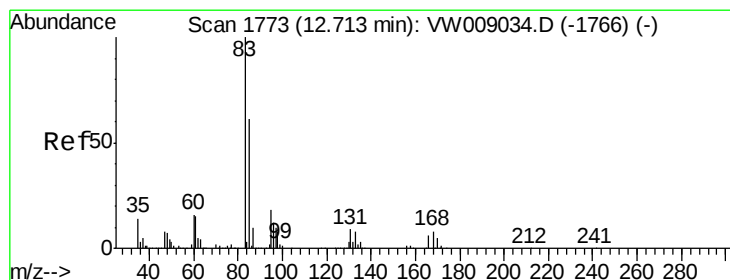
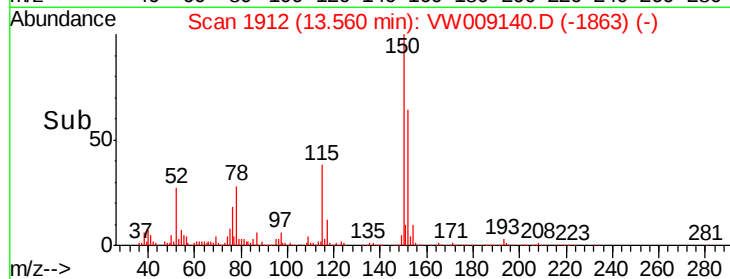
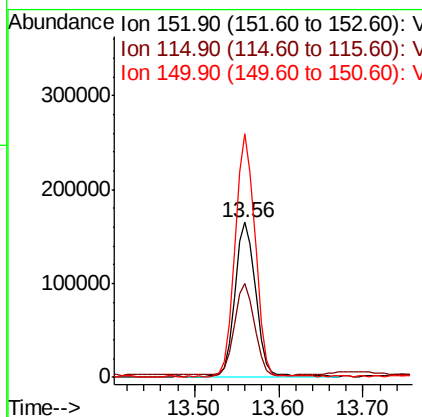
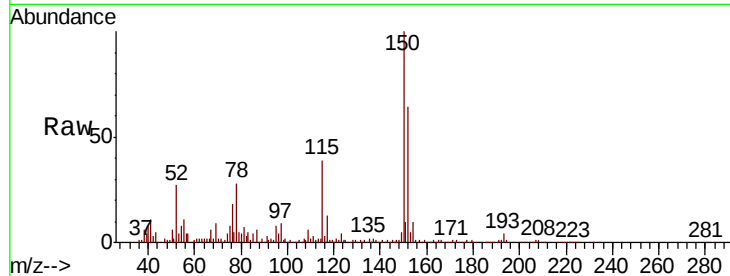




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.56 min Scan# 1912
 Delta R.T. 0.00 min
 Lab File: VW009140.D
 Acq: 13 Mar 2019 07:09

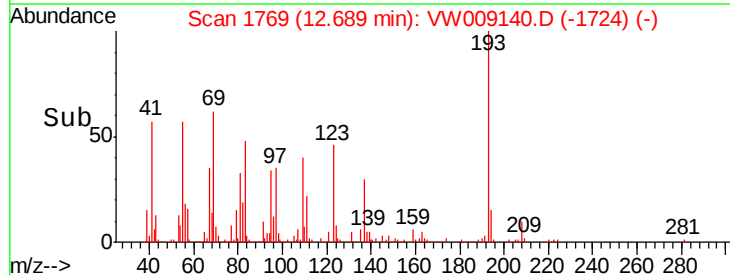
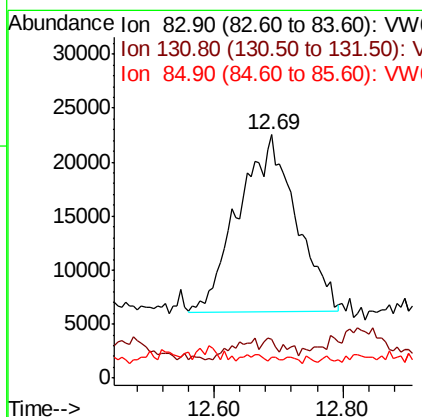
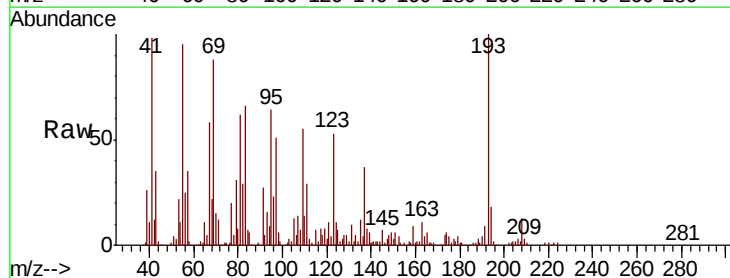
Instrument :
 MSVOA_W
 ClientSampleId :
 HR-06-031119-ARE

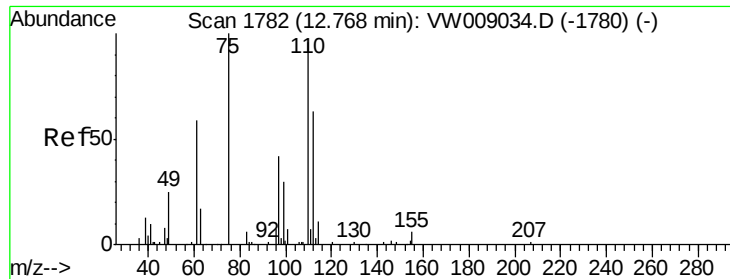
Tgt Ion:152 Resp: 273049
 Ion Ratio Lower Upper
 152 100
 115 57.5 28.9 86.7
 150 150.2 0.0 349.2



#75
 1,1,2,2-Tetrachloroethane
 Concen: 33.118 ug/l
 RT: 12.69 min Scan# 1769
 Delta R.T. -0.02 min
 Lab File: VW009140.D
 Acq: 13 Mar 2019 07:09

Tgt Ion: 83 Resp: 102148
 Ion Ratio Lower Upper
 83 100
 131 1.5 5.5 16.7#
 85 0.4 31.7 95.1#





#76

1,2,3-Trichloropropane

Concen: 68.405 ug/l

RT: 12.62 min Scan# 1757

Delta R.T. -0.15 min

Lab File: VW009140.D

Acq: 13 Mar 2019 07:09

Instrument :

MSVOA_W

ClientSampleId :

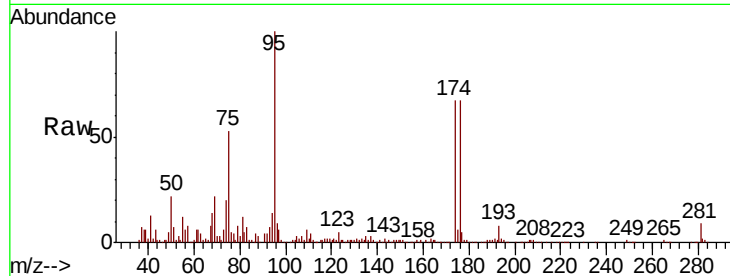
HR-06-031119-ARE

Tgt Ion: 75 Resp: 147571

Ion Ratio Lower Upper

75 100

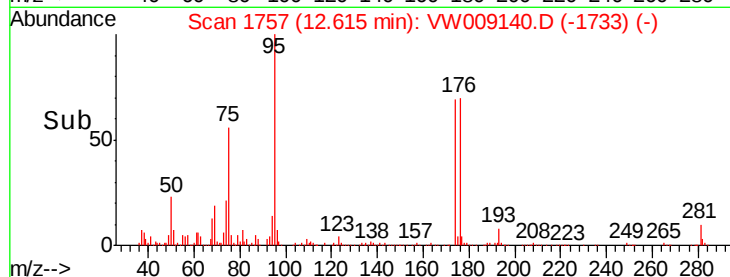
77 3.9 186.7 560.0#



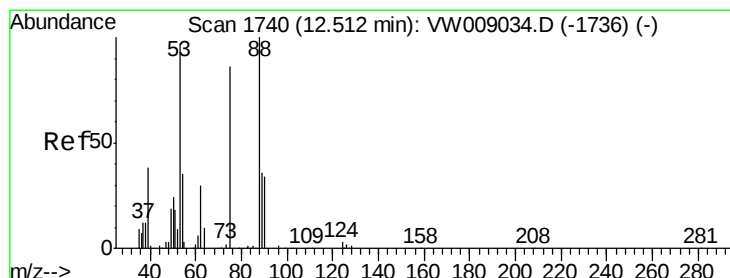
Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 77.00 (76.70 to 77.70): VW

12.62



Time-->



#81

trans-1,4-Dichloro-2-butene

Concen: 153.004 ug/l

RT: 12.62 min Scan# 1757

Delta R.T. 0.10 min

Lab File: VW009140.D

Acq: 13 Mar 2019 07:09

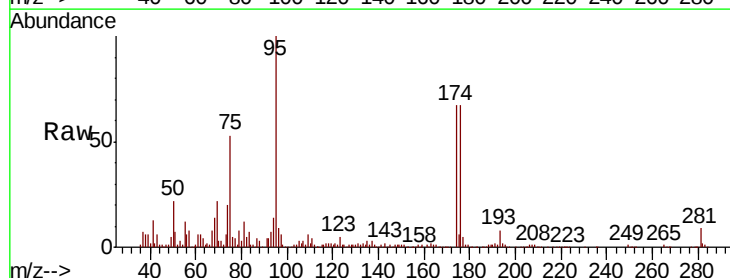
Tgt Ion: 75 Resp: 147571

Ion Ratio Lower Upper

75 100

53 2.6 90.5 135.7#

89 0.0 37.5 56.3#

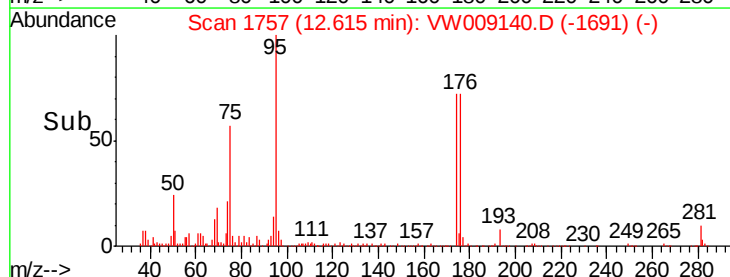


Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 53.00 (52.70 to 53.70): VW

Ion 88.90 (88.60 to 89.60): VW

12.62



Time-->