

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW031119\
 Data File : VW009086.D
 Acq On : 11 Mar 2019 15:05
 Operator : SY/VA
 Sample : K1837-03
 Misc : 6.25G/5ML/MSVOA_W/SOIL
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 MR-MH-10-COMP

Quant Time: Mar 12 08:11:41 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	285897	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	458691	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	412265	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	192798	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	171326	59.56	ug/l	0.00
Spiked Amount 50.000			Recovery	=	119.12%	
35) Dibromofluoromethane	7.88	113	141616	51.28	ug/l	0.00
Spiked Amount 50.000			Recovery	=	102.56%	
50) Toluene-d8	10.32	98	553974	48.84	ug/l	0.00
Spiked Amount 50.000			Recovery	=	97.68%	
62) 4-Bromofluorobenzene	12.62	95	187954	42.09	ug/l	0.00
Spiked Amount 50.000			Recovery	=	84.18%	

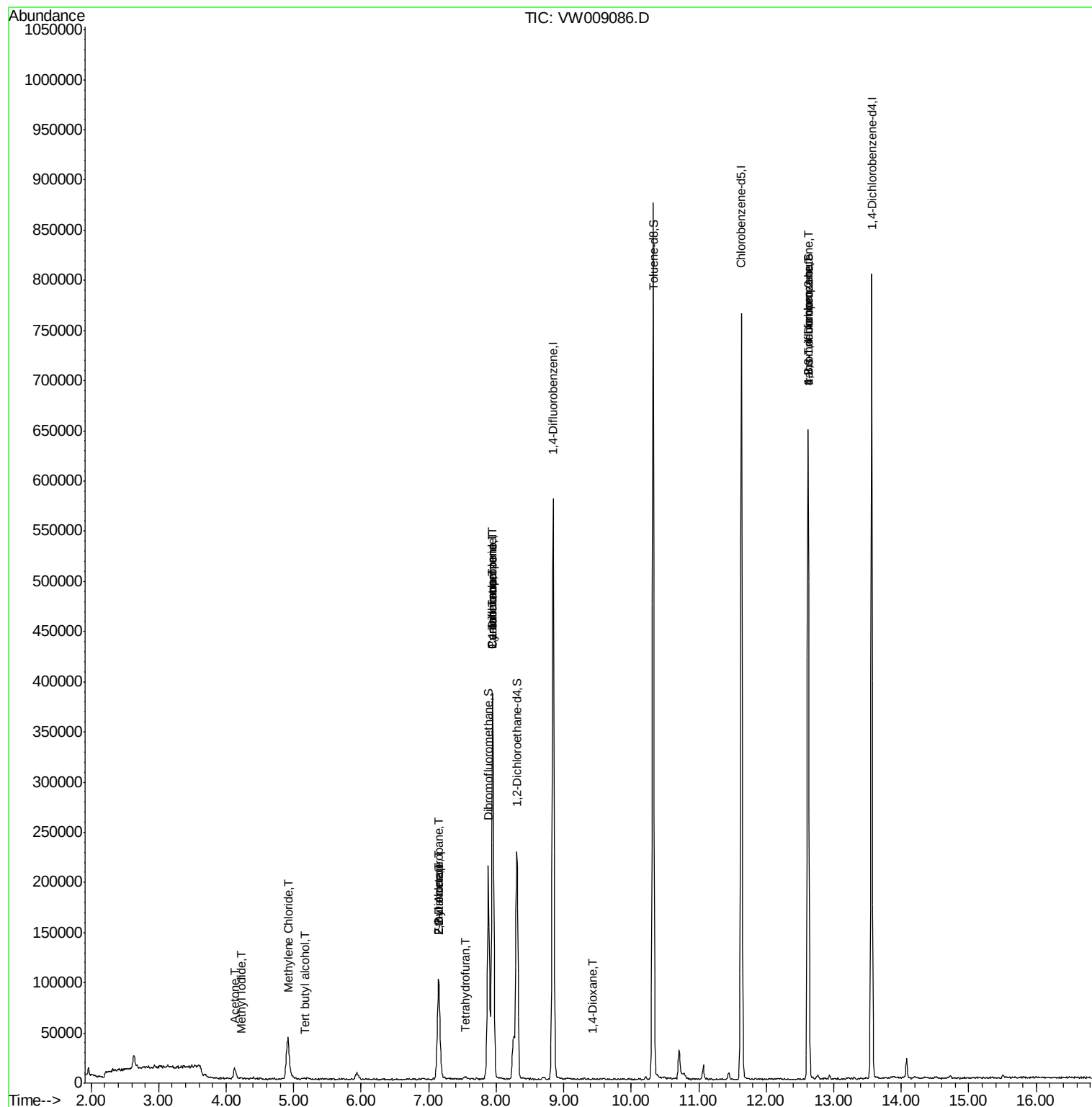
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
10) Methyl Iodide	4.22	142	23	3.194	ug/l #	40
11) Tert butyl alcohol	5.17	59	593	2.690	ug/l #	82
16) Acetone	4.12	43	18884	29.093	ug/l	97
20) Methylene Chloride	4.92	84	29845	4.877	ug/l	96
25) 2-Butanone	7.15	43	6546	7.297	ug/l #	84
26) 2,2-Dichloropropane	7.15	77	6749	1.421	ug/l #	54
29) Tetrahydrofuran	7.54	42	1930	3.414	ug/l	95
31) Cyclohexane	7.95	56	7109	1.325	ug/l #	37
36) 1,1-Dichloropropene	7.95	75	22652	4.723	ug/l #	52
37) Ethyl Acetate	7.15	43	6546	2.906	ug/l #	75
38) Carbon Tetrachloride	7.95	117	28347	5.723	ug/l #	17
49) 1,4-Dioxane	9.43	88	44	1.755	ug/l #	1
76) 1,2,3-Trichloropropane	12.62	75	100226	65.797	ug/l #	1
81) trans-1,4-Dichloro-2-buten	12.62	75	100226	147.170	ug/l #	5

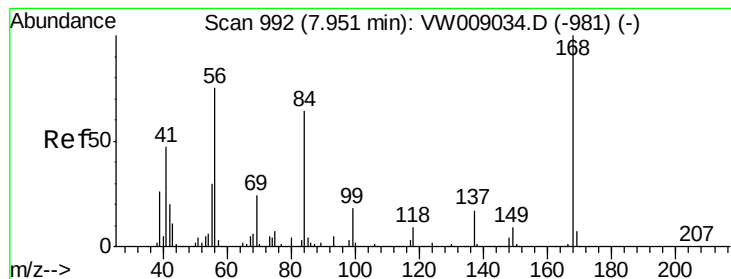
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.95 min Scan# 992

Delta R.T. 0.00 min

Lab File: VW009086.D

Acq: 11 Mar 2019 15:05

Instrument :

MSVOA_W

ClientSampleId :

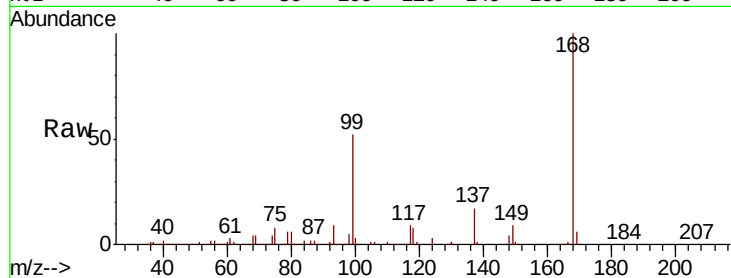
MR-MH-10-COMP

Tgt Ion:168 Resp: 285897

Ion Ratio Lower Upper

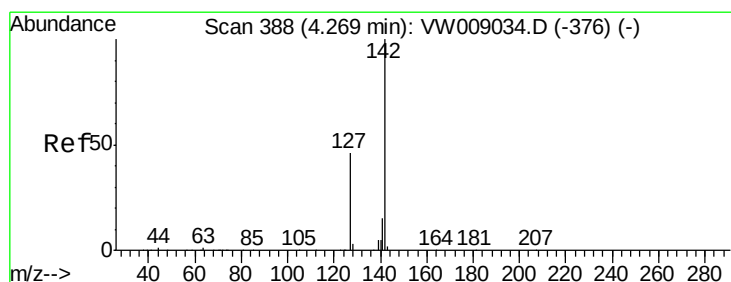
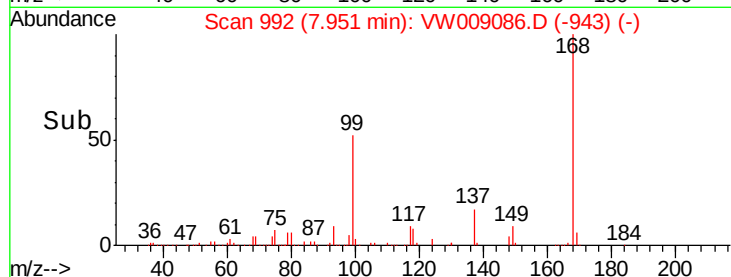
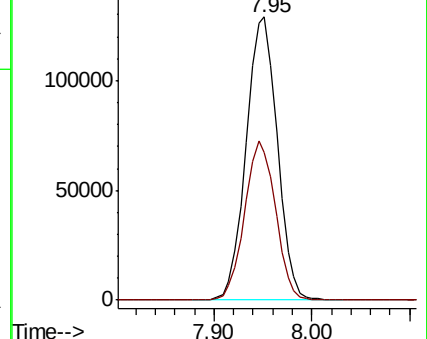
168 100

99 52.2 42.2 63.2



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): V



#10

Methyl Iodide

Concen: 3.194 ug/l

RT: 4.22 min Scan# 380

Delta R.T. -0.05 min

Lab File: VW009086.D

Acq: 11 Mar 2019 15:05

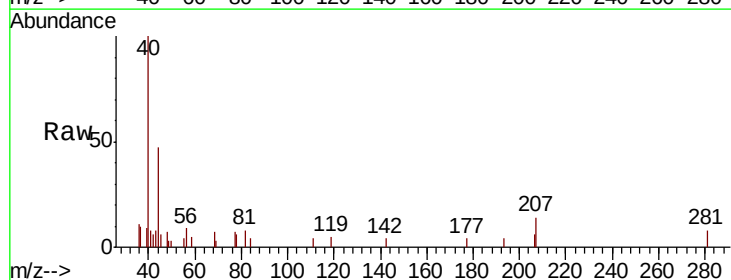
Tgt Ion:142 Resp: 23

Ion Ratio Lower Upper

142 100

127 0.0 35.8 53.6#

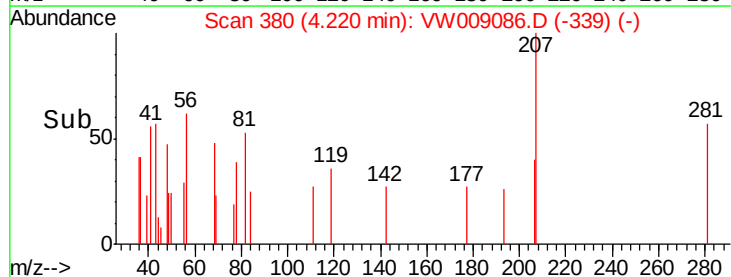
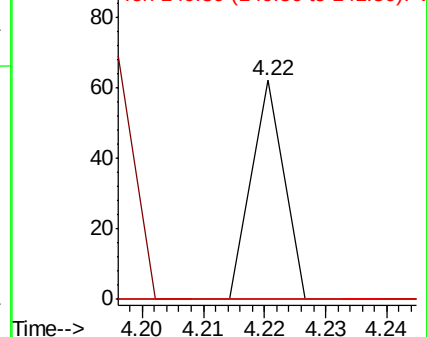
141 0.0 11.8 17.8#

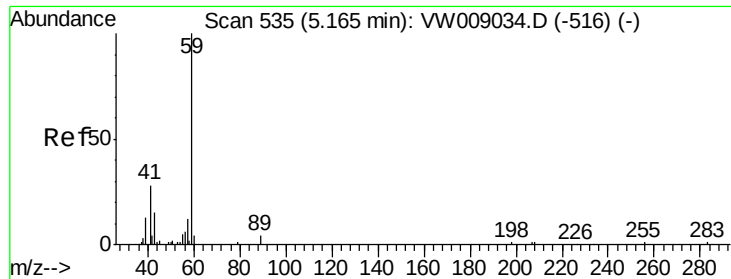


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V

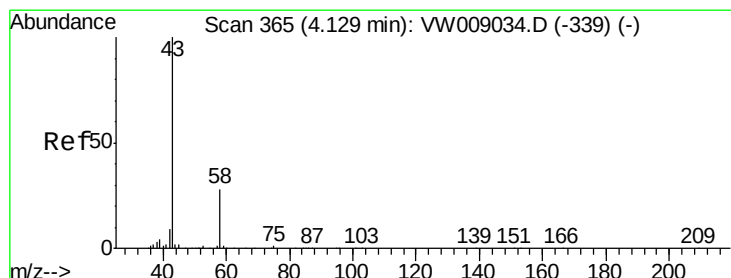
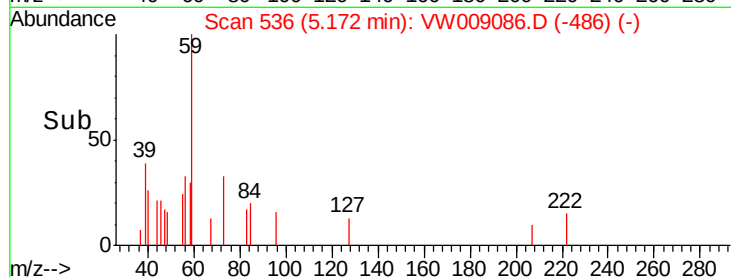
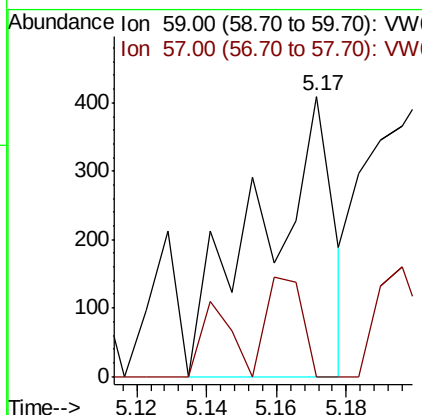
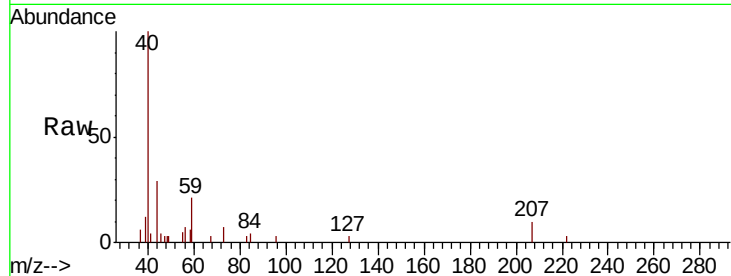




#11
 Tert butyl alcohol
 Concen: 2.690 ug/l
 RT: 5.17 min Scan# 536
 Delta R.T. 0.01 min
 Lab File: VW009086.D
 Acq: 11 Mar 2019 15:05

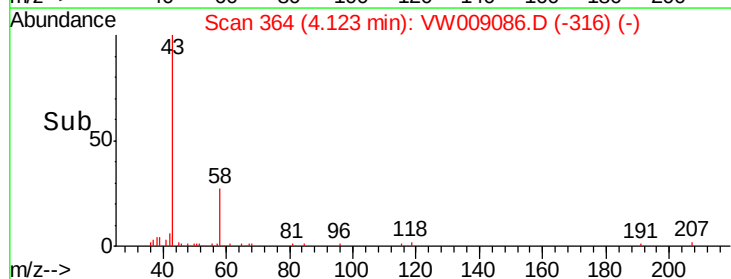
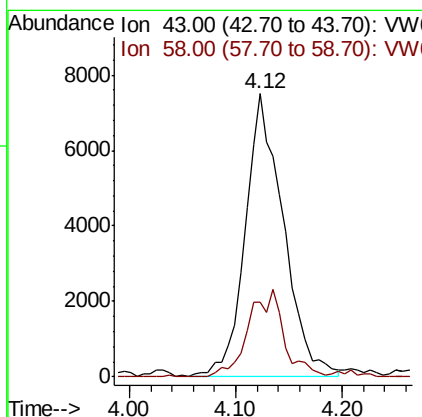
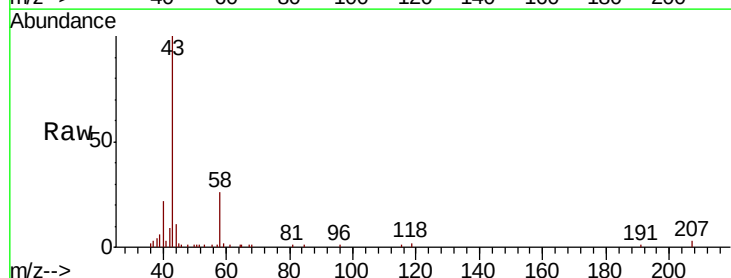
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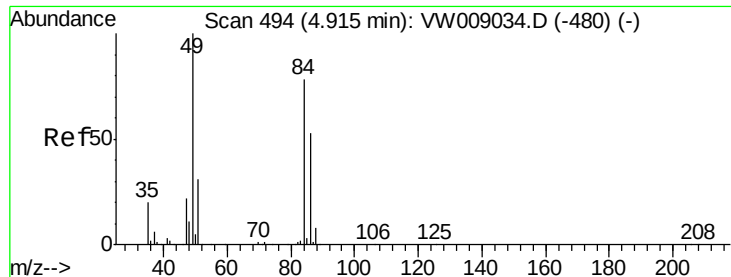
Tgt Ion: 59 Resp: 593
 Ion Ratio Lower Upper
 59 100
 57 17.4 8.6 12.8#



#16
 Acetone
 Concen: 29.093 ug/l
 RT: 4.12 min Scan# 364
 Delta R.T. -0.01 min
 Lab File: VW009086.D
 Acq: 11 Mar 2019 15:05

Tgt Ion: 43 Resp: 18884
 Ion Ratio Lower Upper
 43 100
 58 26.4 22.5 33.7

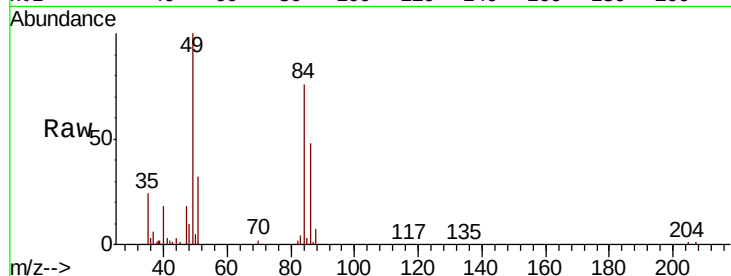




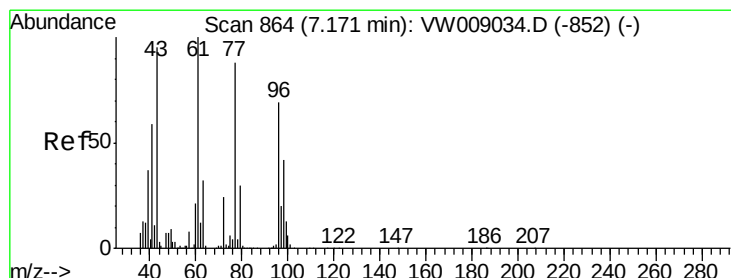
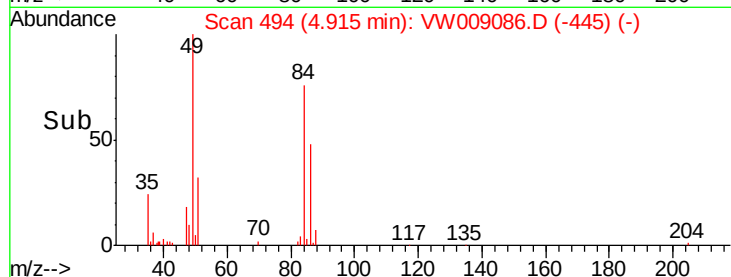
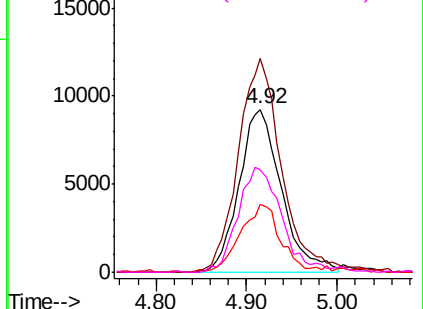
#20
Methylene Chloride
Concen: 4.877 ug/l
RT: 4.92 min Scan# 494
Delta R.T. 0.00 min
Lab File: VW009086.D
Acq: 11 Mar 2019 15:05

Instrument :
MSVOA_W
ClientSampleId :
MR-MH-10-COMP

Tgt Ion: 84 Resp: 29845
Ion Ratio Lower Upper
84 100
49 131.1 102.4 153.6
51 41.6 31.6 47.4
86 62.8 54.5 81.7

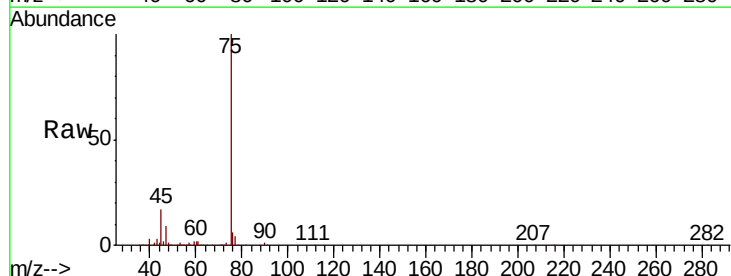


Abundance Ion 83.90 (83.60 to 84.60): VW
Ion 48.90 (48.60 to 49.60): VW
Ion 50.90 (50.60 to 51.60): VW
Ion 85.90 (85.60 to 86.60): VW

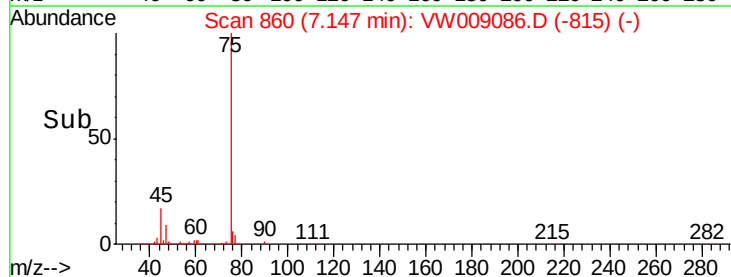
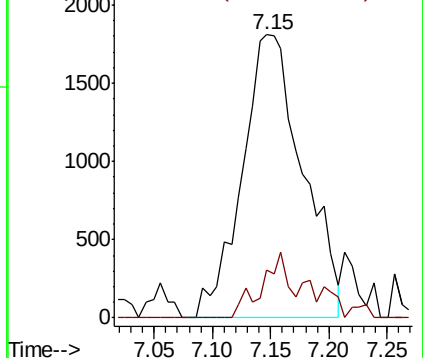


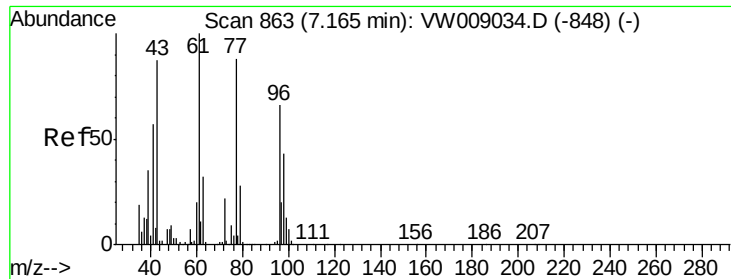
#25
2-Butanone
Concen: 7.297 ug/l
RT: 7.15 min Scan# 860
Delta R.T. -0.02 min
Lab File: VW009086.D
Acq: 11 Mar 2019 15:05

Tgt Ion: 43 Resp: 6546
Ion Ratio Lower Upper
43 100
72 16.7 20.0 30.0#



Abundance Ion 43.00 (42.70 to 43.70): VW
Ion 72.00 (71.70 to 72.70): VW

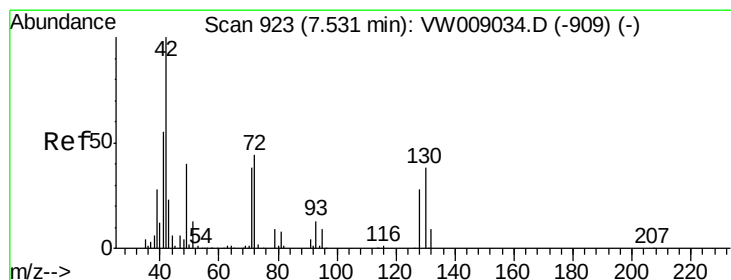
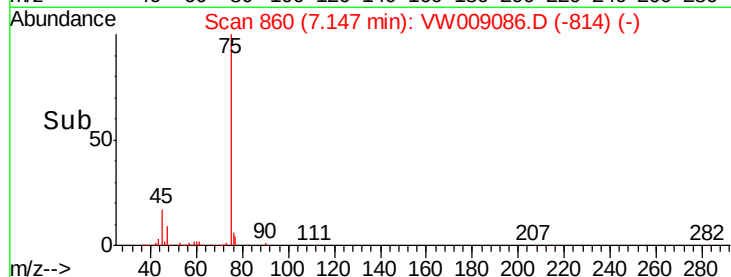
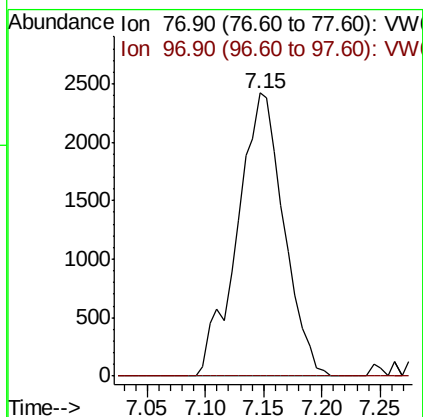
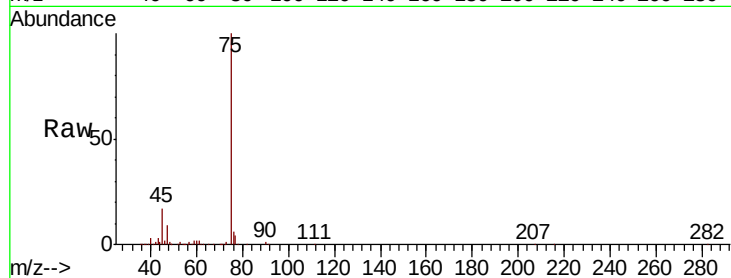




#26
 2,2-Dichloropropane
 Concen: 1.421 ug/l
 RT: 7.15 min Scan# 860
 Delta R.T. -0.02 min
 Lab File: VW009086.D
 Acq: 11 Mar 2019 15:05

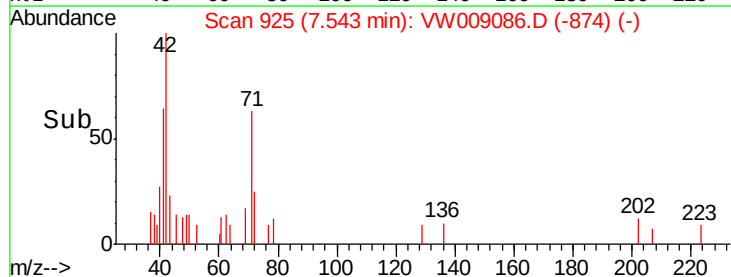
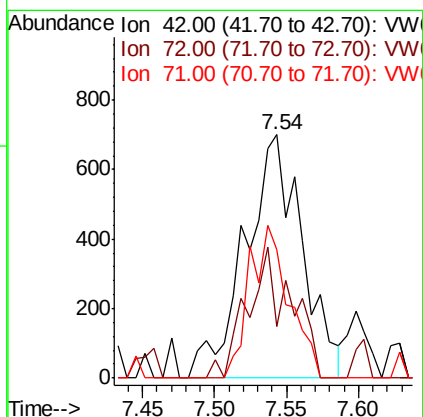
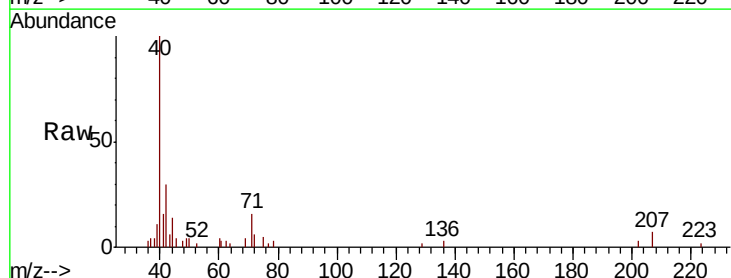
Instrument :
 MSVOA_W
 ClientSampleId :
 MR-MH-10-COMP

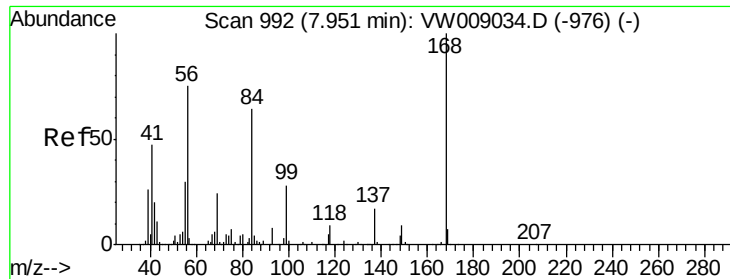
Tgt Ion: 77 Resp: 6749
 Ion Ratio Lower Upper
 77 100
 97 0.0 10.9 32.9#



#29
 Tetrahydrofuran
 Concen: 3.414 ug/l
 RT: 7.54 min Scan# 925
 Delta R.T. 0.01 min
 Lab File: VW009086.D
 Acq: 11 Mar 2019 15:05

Tgt Ion: 42 Resp: 1930
 Ion Ratio Lower Upper
 42 100
 72 41.7 32.2 48.4
 71 43.1 30.7 46.1

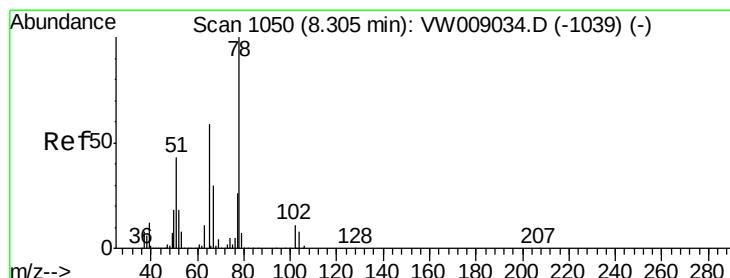
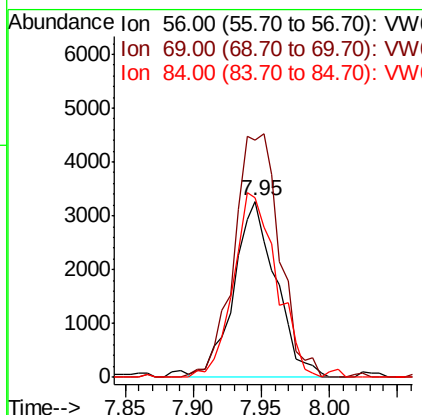
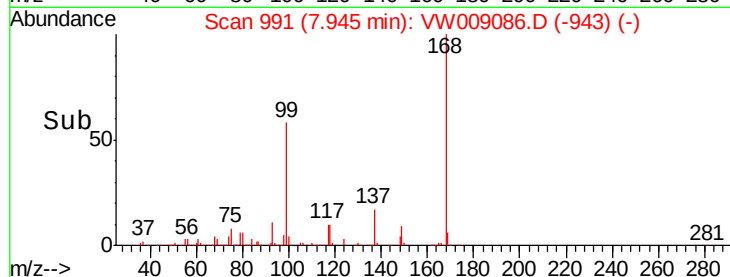
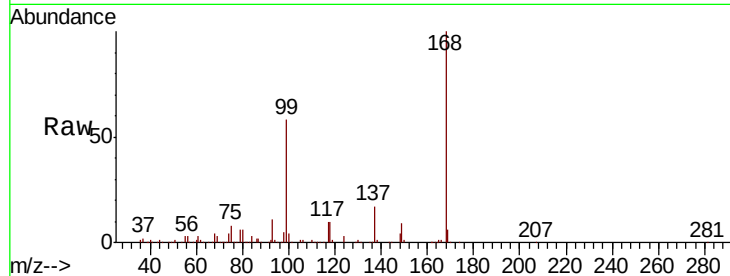




#31
Cyclohexane
Concen: 1.325 ug/l
RT: 7.95 min Scan# 991
Delta R.T. -0.01 min
Lab File: VW009086.D
Acq: 11 Mar 2019 15:05

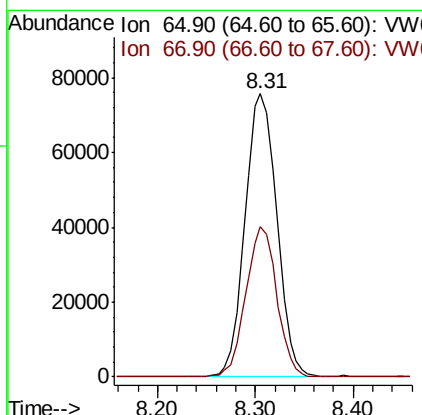
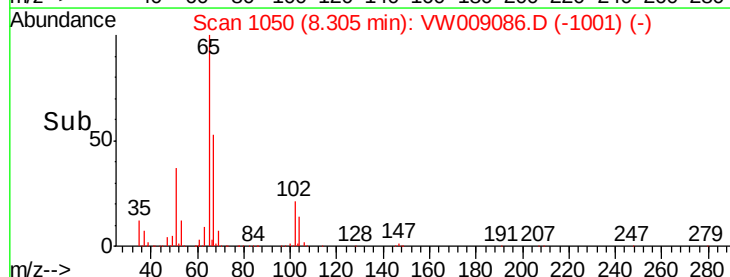
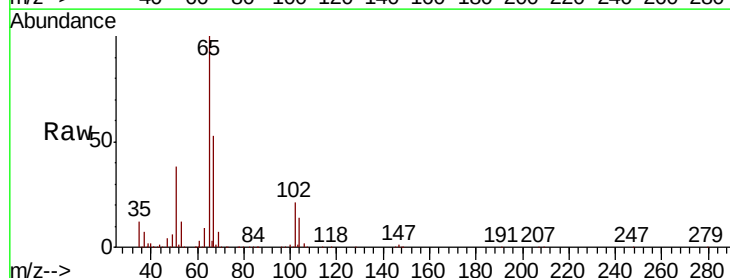
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ClientSampleId :
MR-MH-10-COMP

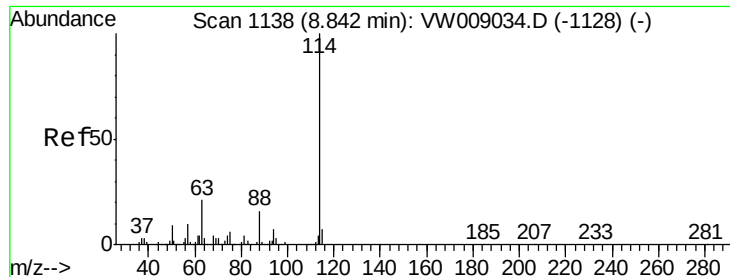
Tgt Ion: 56 Resp: 7109
Ion Ratio Lower Upper
56 100
69 134.3 25.5 38.3#
84 102.0 68.6 103.0



#33
1,2-Dichloroethane-d4
Concen: 59.563 ug/l
RT: 8.31 min Scan# 1050
Delta R.T. 0.00 min
Lab File: VW009086.D
Acq: 11 Mar 2019 15:05

Tgt Ion: 65 Resp: 171326
Ion Ratio Lower Upper
65 100
67 51.5 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: VW009086.D

Acq: 11 Mar 2019 15:05

Instrument :

MSVOA_W

ClientSampleId :

MR-MH-10-COMP

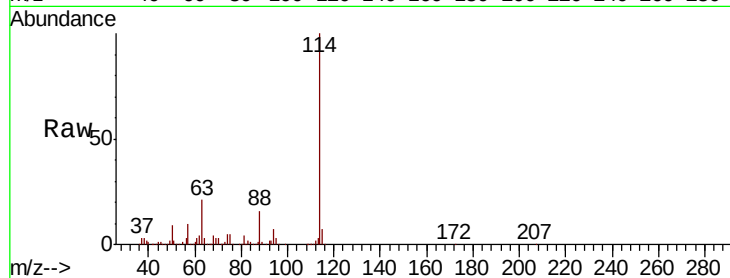
Tgt Ion:114 Resp: 458691

Ion Ratio Lower Upper

114 100

63 20.8 0.0 41.2

88 16.2 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

8.84

250000

200000

150000

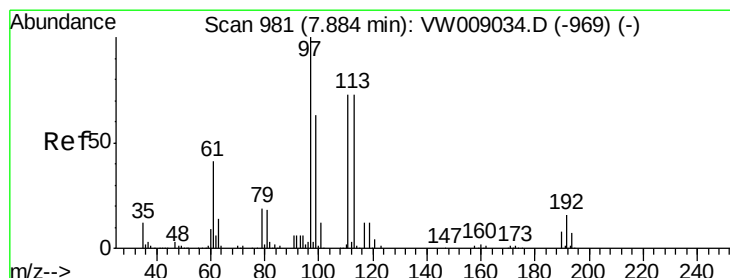
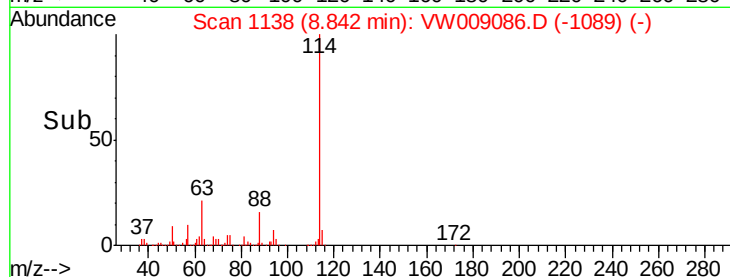
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50000

0

8.75 8.80 8.85 8.90 8.95

Time-->



#35

Dibromofluoromethane

Concen: 51.278 ug/l

RT: 7.88 min Scan# 981

Delta R.T. 0.00 min

Lab File: VW009086.D

Acq: 11 Mar 2019 15:05

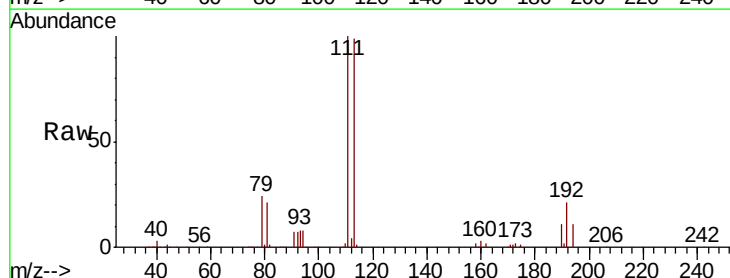
Tgt Ion:113 Resp: 141616

Ion Ratio Lower Upper

113 100

111 101.9 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

7.88

80000

60000

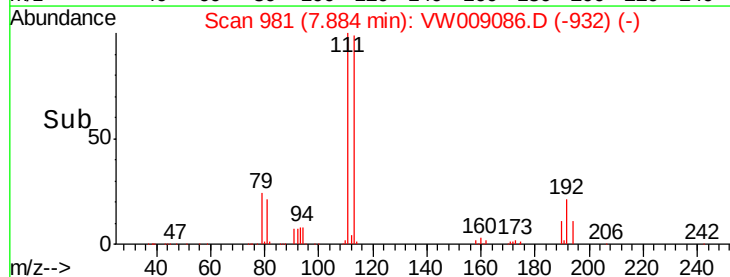
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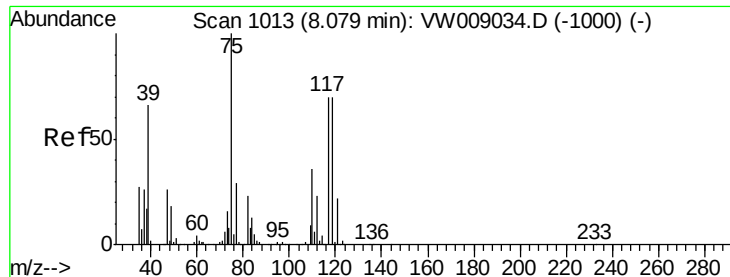
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0

7.80 7.90 8.00

Time-->

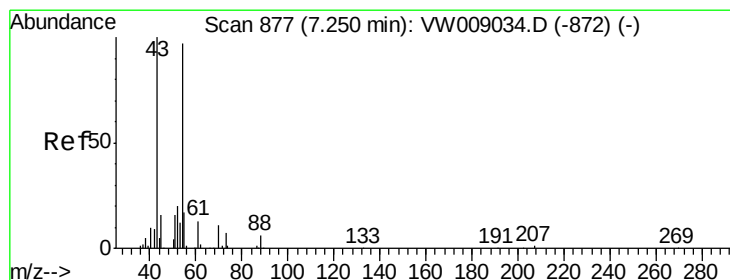
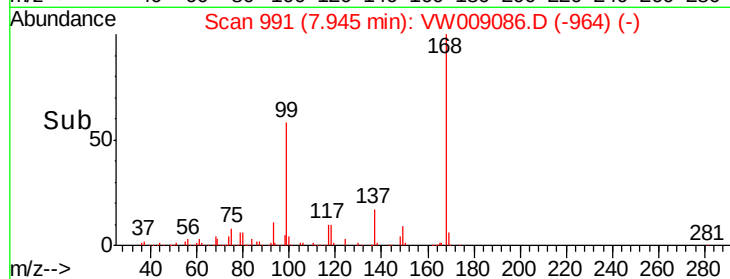
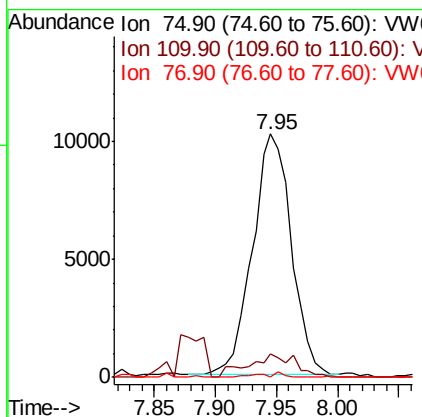
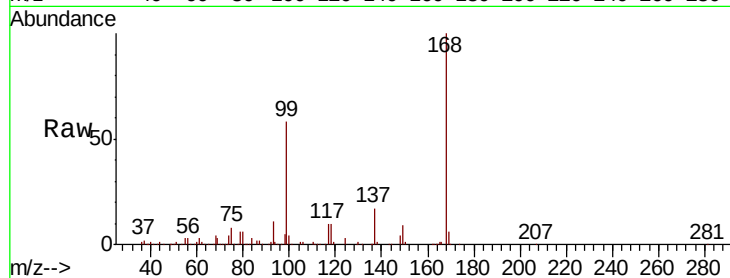




#36
 1,1-Dichloropropene
 Concen: 4.723 ug/l
 RT: 7.95 min Scan# 991
 Delta R.T. -0.13 min
 Lab File: VW009086.D
 Acq: 11 Mar 2019 15:05

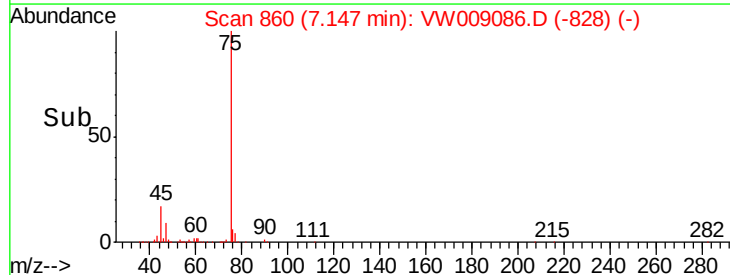
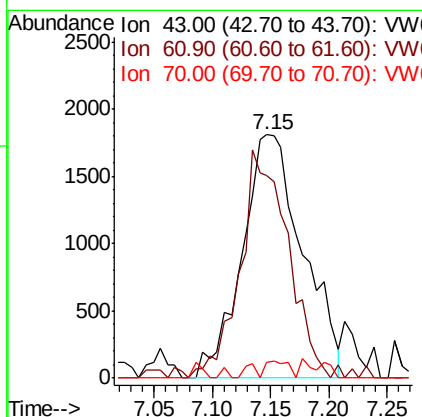
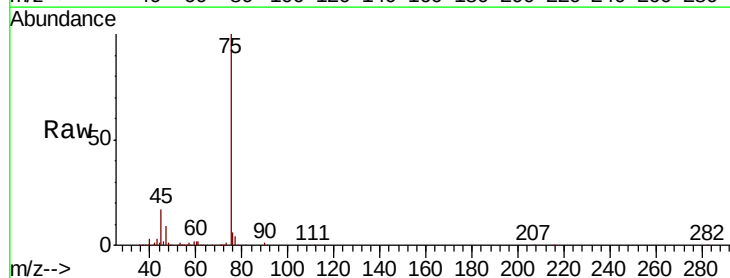
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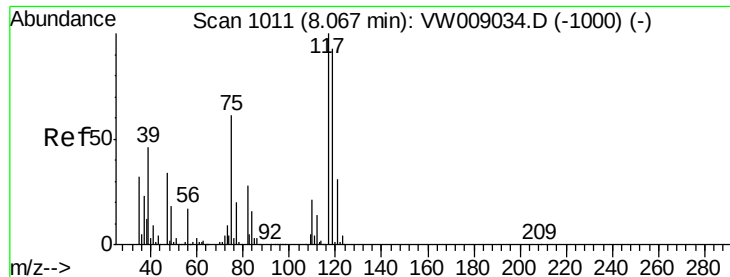
Tgt Ion: 75 Resp: 22652
 Ion Ratio Lower Upper
 75 100
 110 11.8 17.6 52.9#
 77 0.5 25.1 37.7#



#37
 Ethyl Acetate
 Concen: 2.906 ug/l
 RT: 7.15 min Scan# 860
 Delta R.T. -0.10 min
 Lab File: VW009086.D
 Acq: 11 Mar 2019 15:05

Tgt Ion: 43 Resp: 6546
 Ion Ratio Lower Upper
 43 100
 61 0.0 9.8 14.6#
 70 2.6 7.2 10.8#





#38

Carbon Tetrachloride

Concen: 5.723 ug/l

RT: 7.95 min Scan# 991

Delta R.T. -0.12 min

Lab File: VW009086.D

Acq: 11 Mar 2019 15:05

Instrument :

MSVOA_W

ClientSampleId :

MR-MH-10-COMP

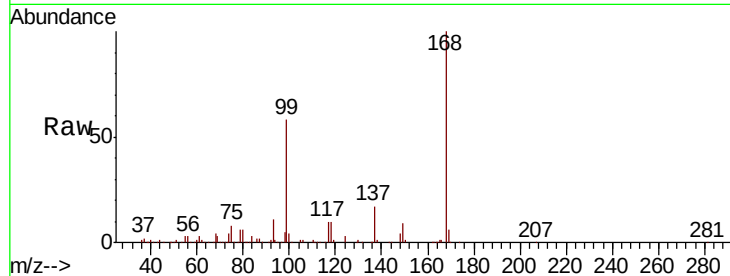
Tgt Ion:117 Resp: 28347

Ion Ratio Lower Upper

117 100

119 5.1 74.6 112.0#

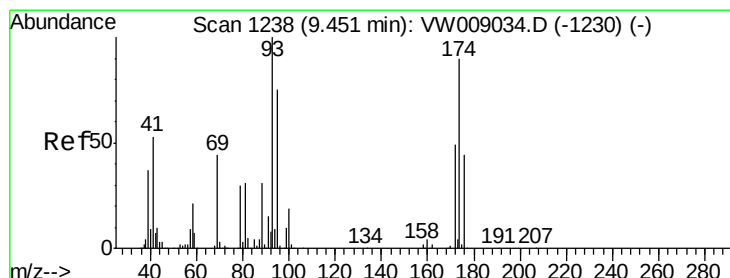
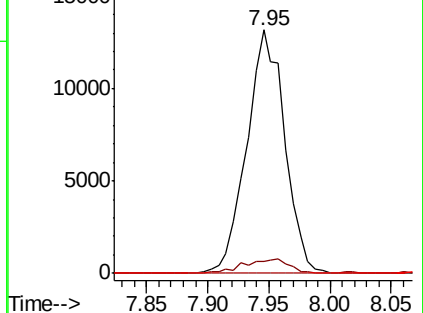
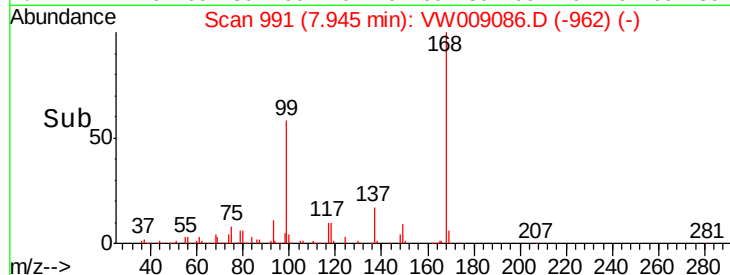
121 0.0 24.7 37.1#



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: 1.755 ug/l

RT: 9.43 min Scan# 1234

Delta R.T. -0.02 min

Lab File: VW009086.D

Acq: 11 Mar 2019 15:05

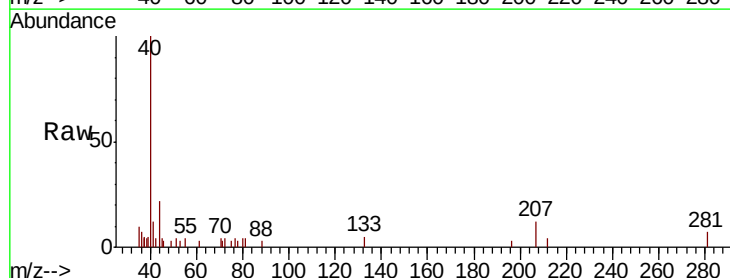
Tgt Ion: 88 Resp: 44

Ion Ratio Lower Upper

88 100

43 140.9 29.0 43.4#

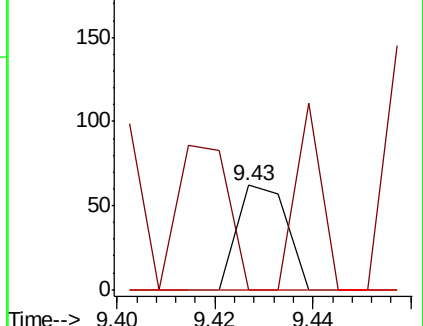
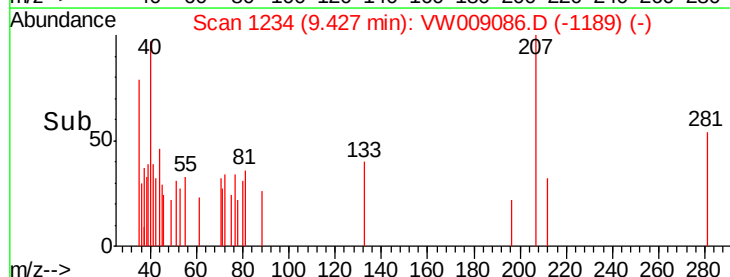
58 0.0 59.2 88.8#

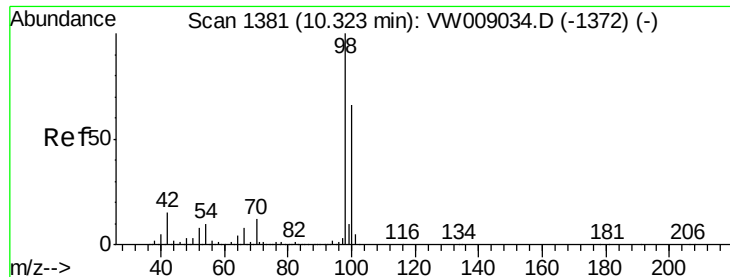


Abundance Ion 88.00 (87.70 to 88.70): VW

Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW





#50

Toluene-d8

Concen: 48.839 ug/l

RT: 10.32 min Scan# 1381

Delta R.T. 0.00 min

Lab File: VW009086.D

Acq: 11 Mar 2019 15:05

Instrument :

MSVOA_W

ClientSampleId :

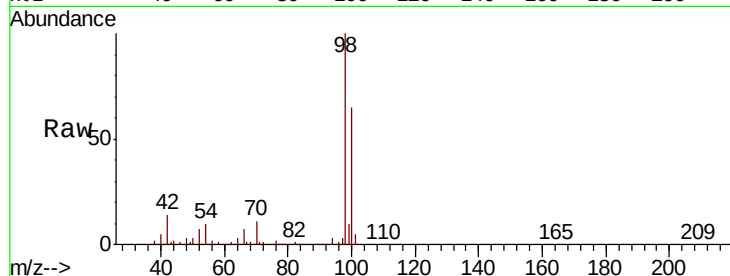
MR-MH-10-COMP

Tgt Ion: 98 Resp: 553974

Ion Ratio Lower Upper

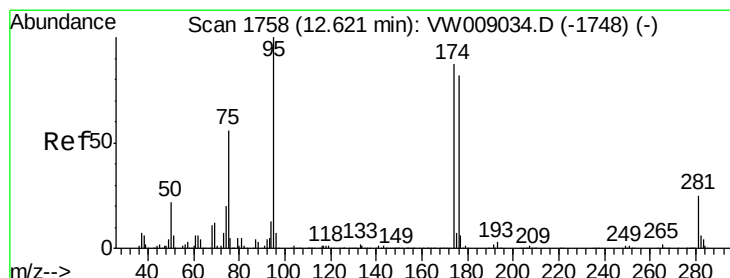
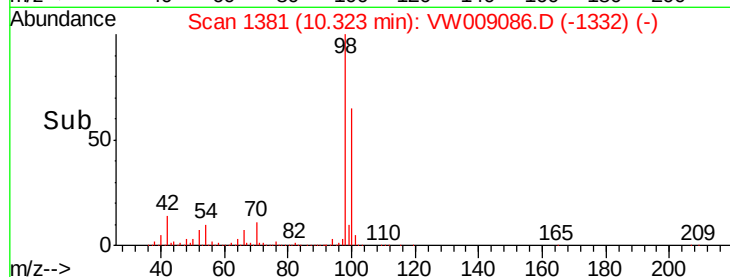
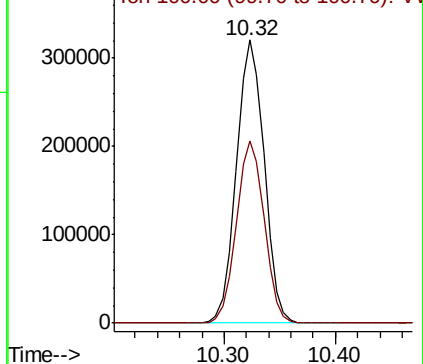
98 100

100 64.7 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: 42.093 ug/l

RT: 12.62 min Scan# 1758

Delta R.T. 0.00 min

Lab File: VW009086.D

Acq: 11 Mar 2019 15:05

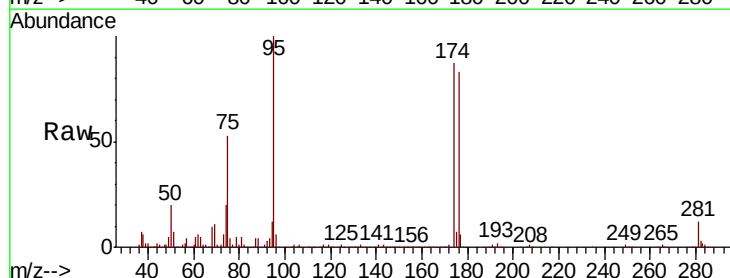
Tgt Ion: 95 Resp: 187954

Ion Ratio Lower Upper

95 100

174 84.6 0.0 167.0

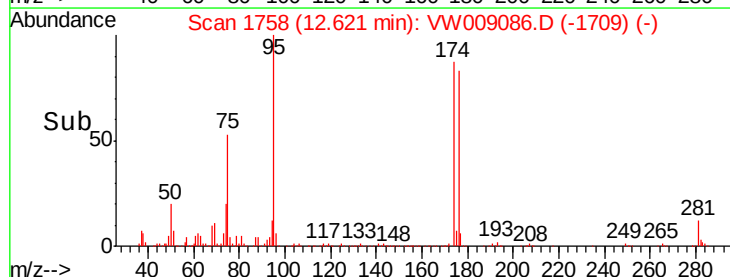
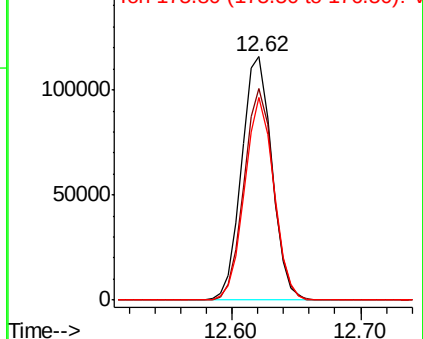
176 80.4 0.0 159.4

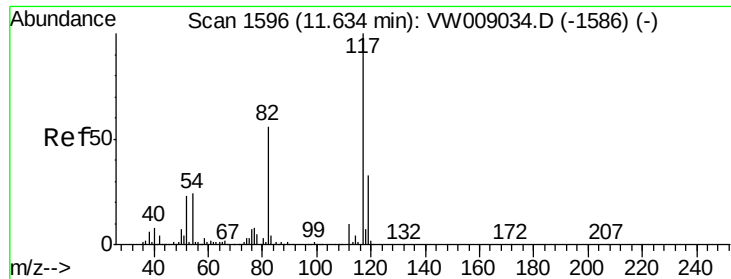


Abundance Ion 94.90 (94.60 to 95.60): VW

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

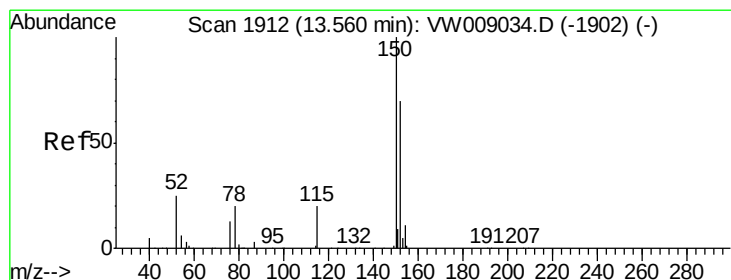
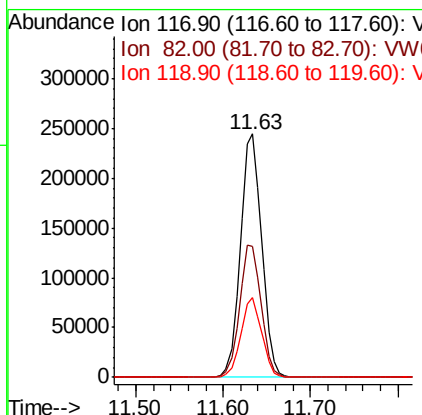
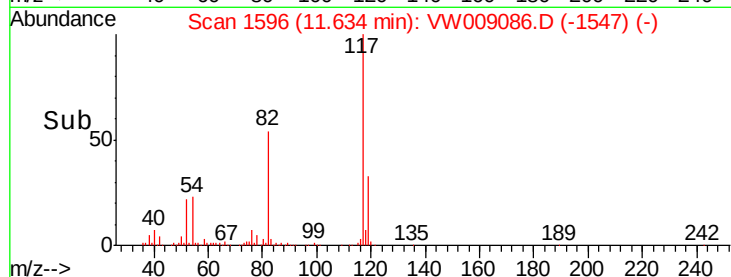
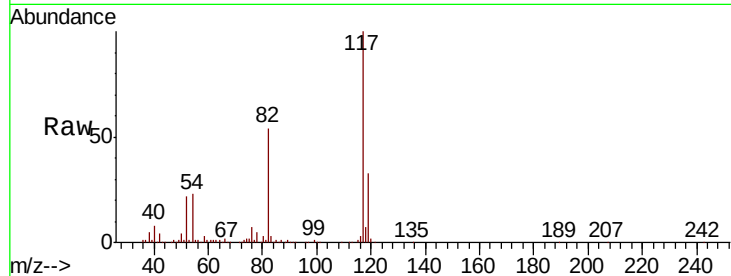




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1596
Delta R.T. 0.00 min
Lab File: VW009086.D
Acq: 11 Mar 2019 15:05

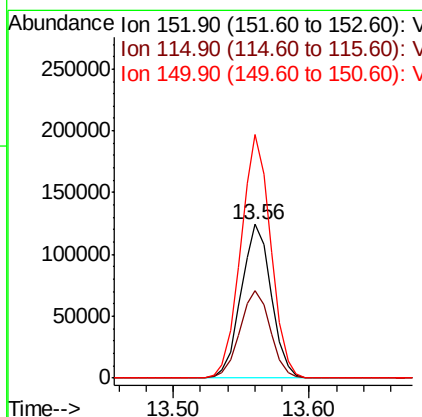
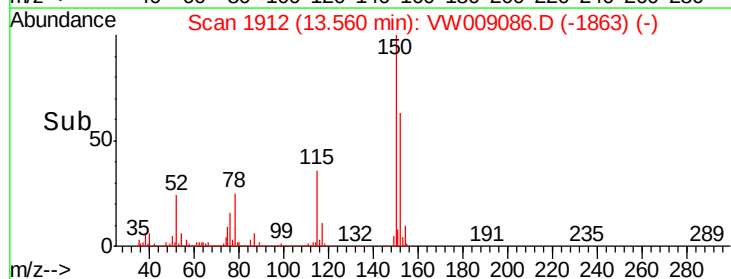
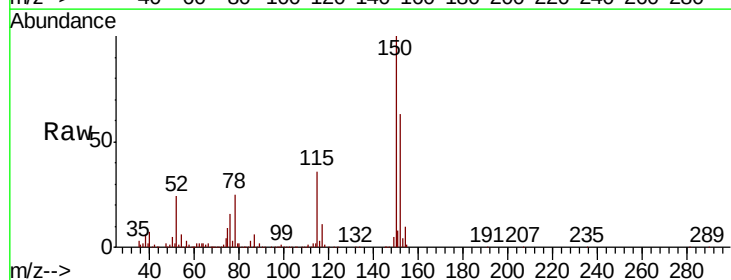
Instrument :
MSVOA_W
ClientSampleId :
MR-MH-10-COMP

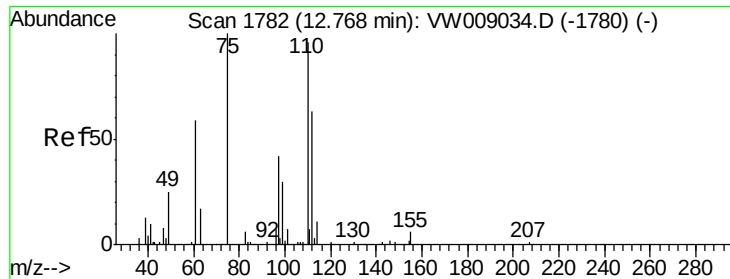
Tgt Ion:117 Resp: 412265
Ion Ratio Lower Upper
117 100
82 53.7 45.0 67.6
119 33.0 26.6 39.8



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.56 min Scan# 1912
Delta R.T. 0.00 min
Lab File: VW009086.D
Acq: 11 Mar 2019 15:05

Tgt Ion:152 Resp: 192798
Ion Ratio Lower Upper
152 100
115 57.6 28.9 86.7
150 157.1 0.0 349.2

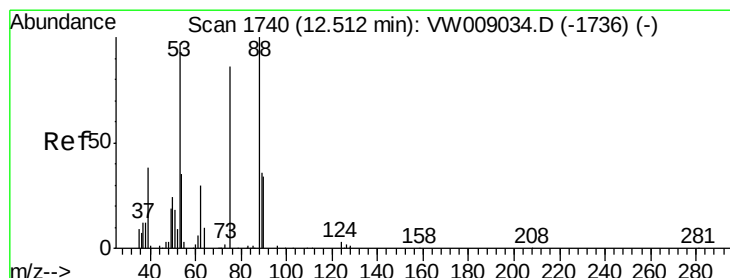
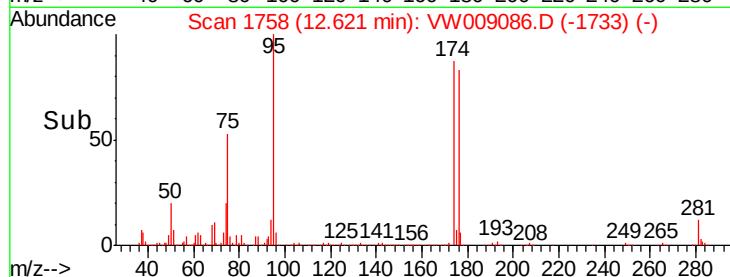
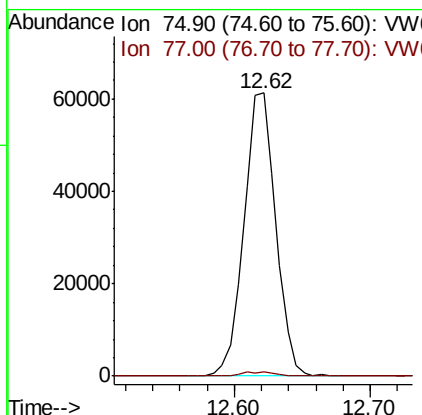
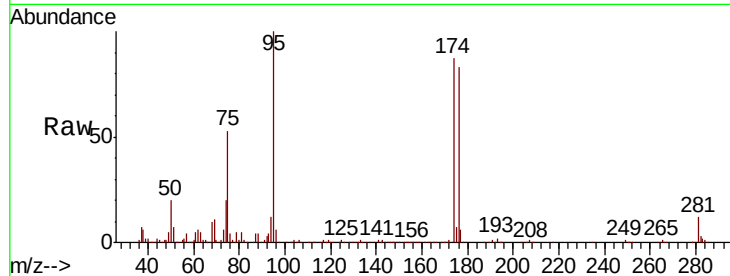




#76
 1,2,3-Trichloropropane
 Concen: 65.797 ug/l
 RT: 12.62 min Scan# 1758
 Delta R.T. -0.15 min
 Lab File: VW009086.D
 Acq: 11 Mar 2019 15:05

Instrument :
 MSVOA_W
 ClientSampleId :
 MR-MH-10-COMP

Tgt Ion: 75 Resp: 100226
 Ion Ratio Lower Upper
 75 100
 77 1.5 186.7 560.0#



#81
 trans-1,4-Dichloro-2-butene
 Concen: 147.170 ug/l
 RT: 12.62 min Scan# 1758
 Delta R.T. 0.11 min
 Lab File: VW009086.D
 Acq: 11 Mar 2019 15:05

Tgt Ion: 75 Resp: 100226
 Ion Ratio Lower Upper
 75 100
 53 0.4 90.5 135.7#
 89 0.2 37.5 56.3#

