

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW031219\
 Data File : VW009127.D
 Acq On : 12 Mar 2019 16:46
 Operator : SY/VA
 Sample : K1837-05RE
 Misc : 6.69G/5ML/MSVOA_W/SOIL
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 MR-MH-09-COMP

Quant Time: Mar 13 01:54:28 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	266803	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	415620	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	381858	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	177504	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.30	65	168158	62.65	ug/l	0.00
Spiked Amount	50.000		Recovery	=	125.30%	
35) Dibromofluoromethane	7.88	113	130475	52.14	ug/l	0.00
Spiked Amount	50.000		Recovery	=	104.28%	
50) Toluene-d8	10.32	98	504559	49.09	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.18%	
62) 4-Bromofluorobenzene	12.62	95	171035	42.27	ug/l	0.00
Spiked Amount	50.000		Recovery	=	84.54%	

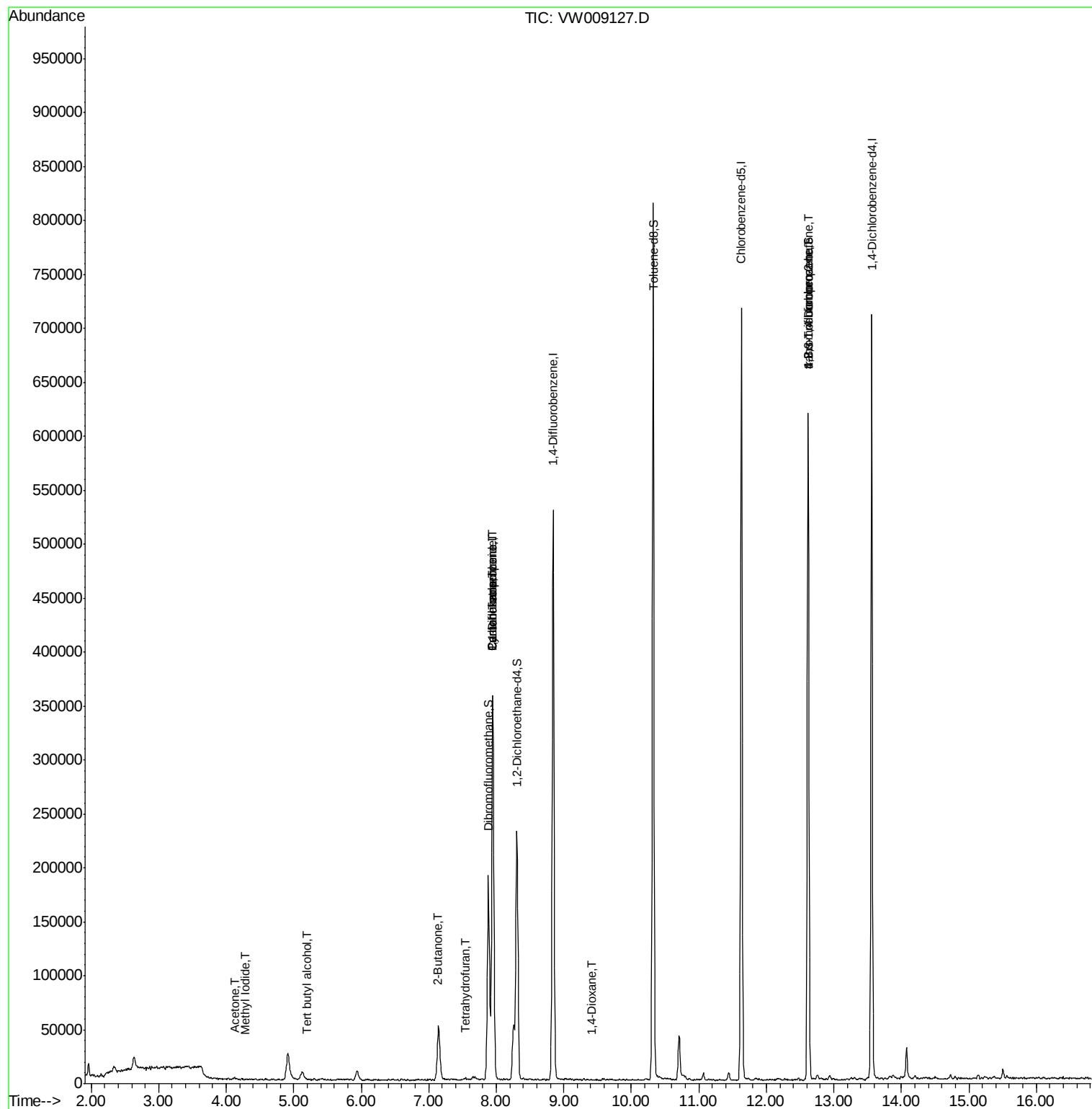
Target Compounds						Qvalue
10) Methyl Iodide	4.28	142	45	3.201	ug/l #	40
11) Tert butyl alcohol	5.19	59	541	2.630	ug/l #	91
16) Acetone	4.12	43	884	1.459	ug/l #	30
25) 2-Butanone	7.13	43	3069	3.666	ug/l #	87
29) Tetrahydrofuran	7.54	42	1471	2.788	ug/l #	78
31) Cyclohexane	7.95	56	6743	1.347	ug/l #	1
36) 1,1-Dichloropropene	7.95	75	21844	5.026	ug/l #	52
38) Carbon Tetrachloride	7.95	117	26597	5.926	ug/l #	18
49) 1,4-Dioxane	9.41	88	27	1.188	ug/l #	1
76) 1,2,3-Trichloropropane	12.62	75	93621	66.756	ug/l #	1
81) trans-1,4-Dichloro-2-buten	12.62	75	93621	149.316	ug/l #	5

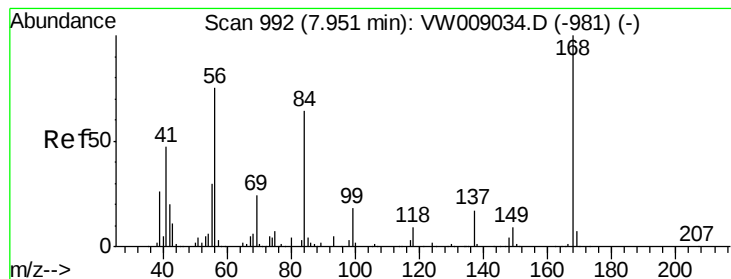
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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: VW009127.D

Acq: 12 Mar 2019 16:46

Instrument :

MSVOA_W

ClientSampleId :

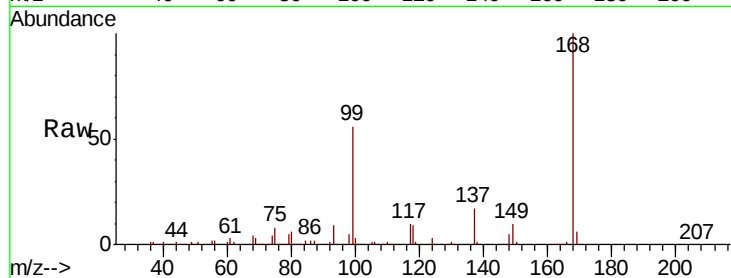
MR-MH-09-COMPRE

Tgt Ion:168 Resp: 266803

Ion Ratio Lower Upper

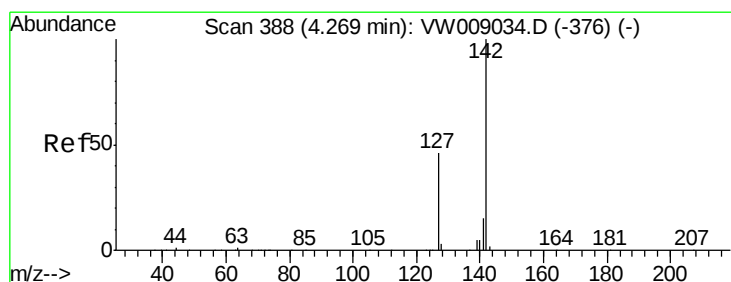
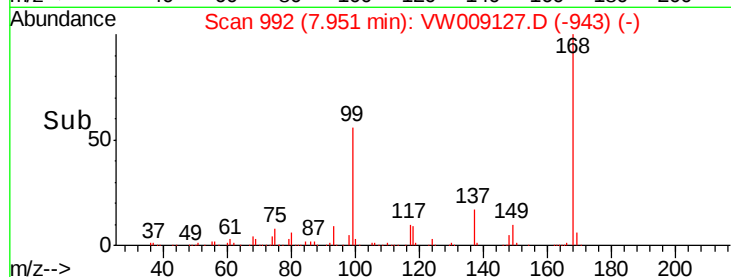
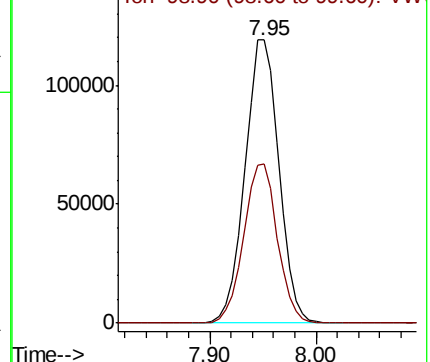
168 100

99 56.4 42.2 63.2



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW



#10

Methyl Iodide

Concen: 3.201 ug/l

RT: 4.28 min Scan# 390

Delta R.T. 0.01 min

Lab File: VW009127.D

Acq: 12 Mar 2019 16:46

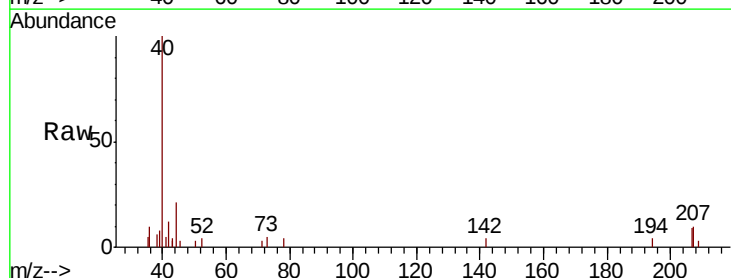
Tgt Ion:142 Resp: 45

Ion Ratio Lower Upper

142 100

127 0.0 35.8 53.6#

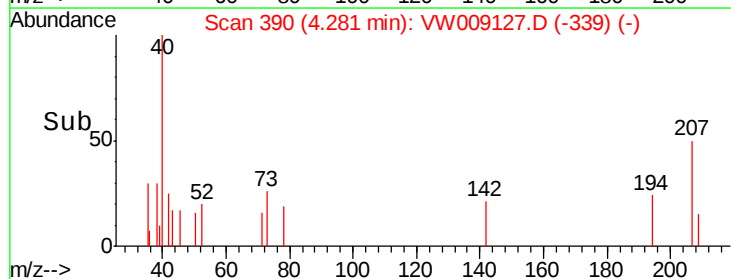
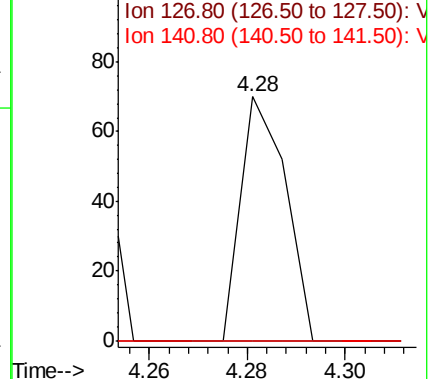
141 0.0 11.8 17.8#

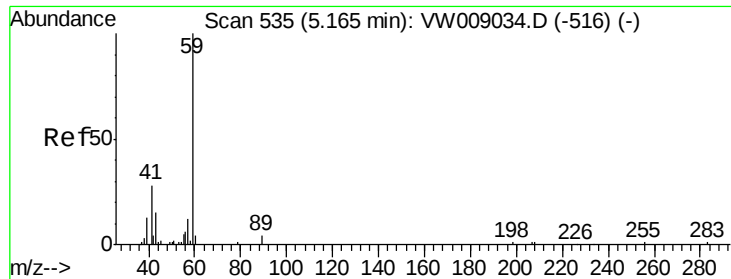


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V

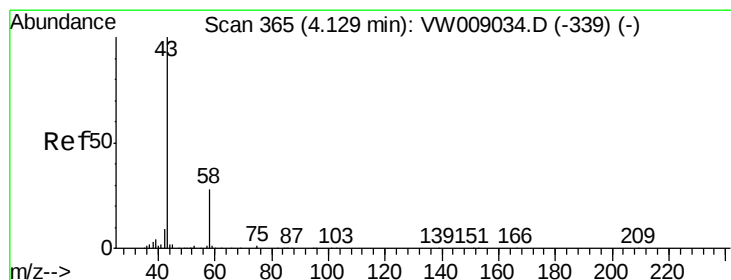
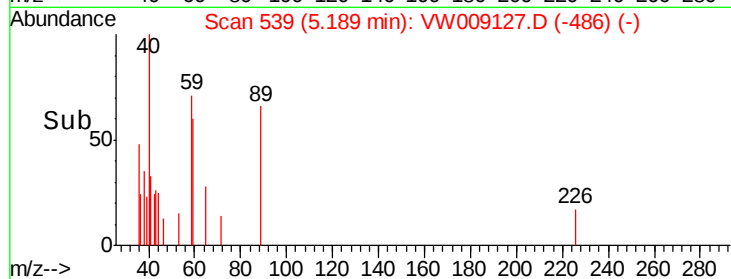
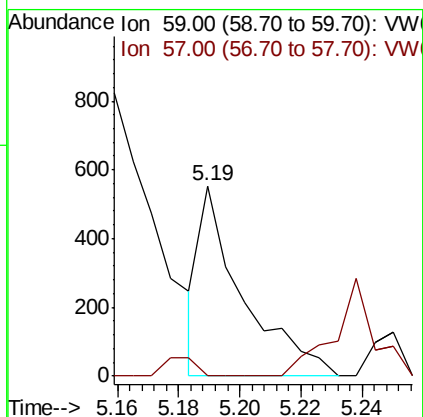
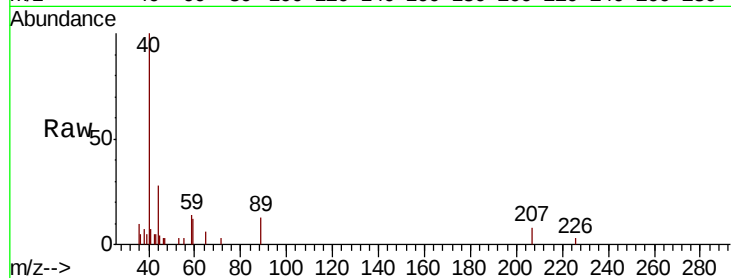




#11
Tert butyl alcohol
Concen: 2.630 ug/l
RT: 5.19 min Scan# 539
Delta R.T. 0.02 min
Lab File: VW009127.D
Acq: 12 Mar 2019 16:46

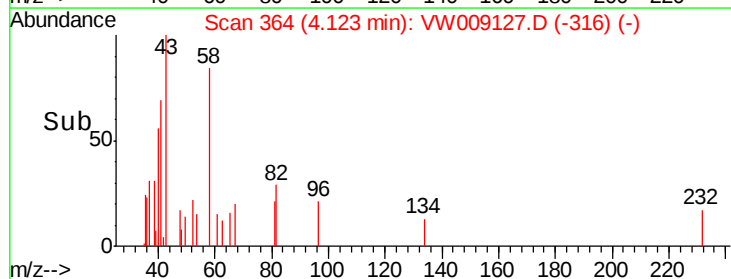
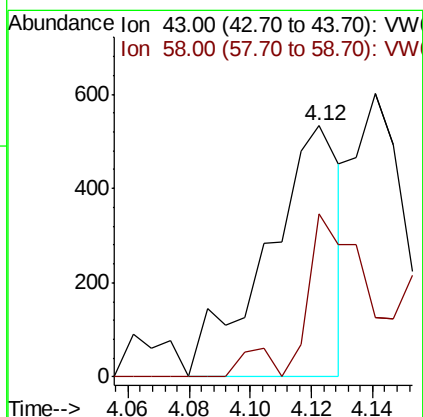
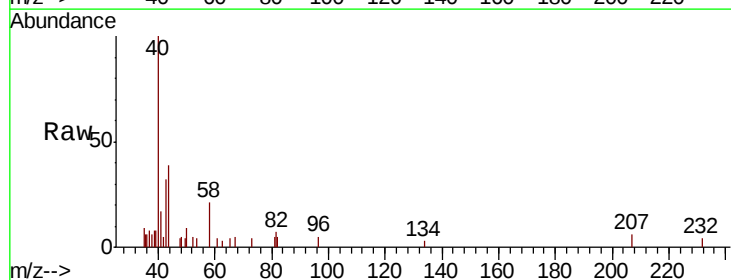
Instrument :
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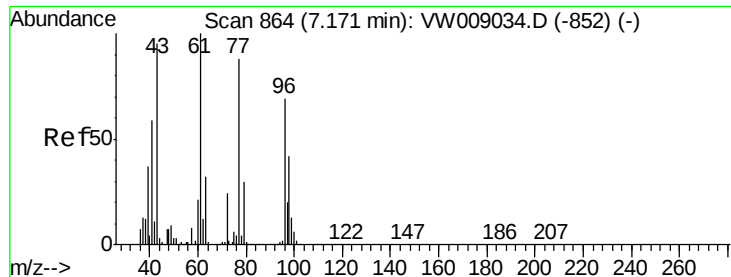
Tgt Ion: 59 Resp: 541
Ion Ratio Lower Upper
59 100
57 7.2 8.6 12.8#



#16
Acetone
Concen: 1.459 ug/l
RT: 4.12 min Scan# 364
Delta R.T. -0.01 min
Lab File: VW009127.D
Acq: 12 Mar 2019 16:46

Tgt Ion: 43 Resp: 884
Ion Ratio Lower Upper
43 100
58 64.9 22.5 33.7#





#25

2-Butanone

Concen: 3.666 ug/l

RT: 7.13 min Scan# 858

Delta R.T. -0.04 min

Lab File: VW009127.D

Acq: 12 Mar 2019 16:46

Instrument :

MSVOA_W

ClientSampleId :

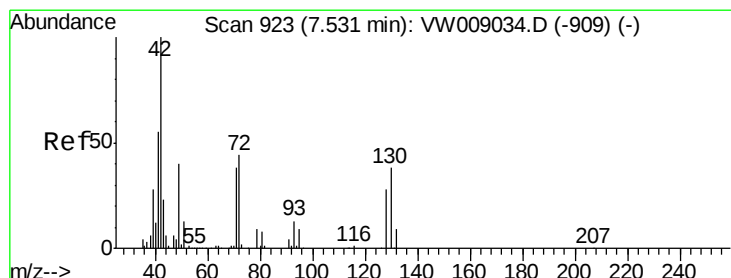
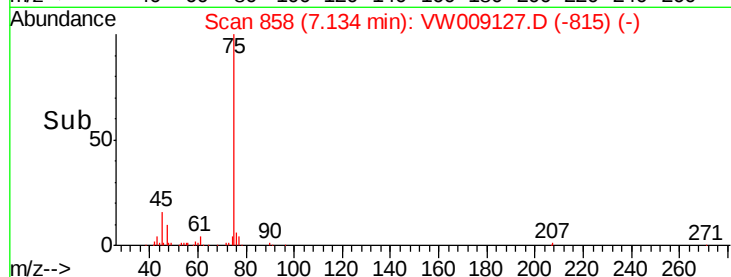
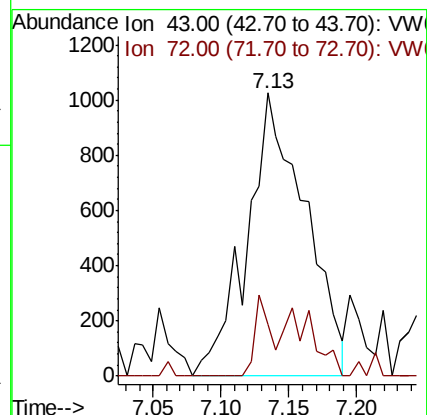
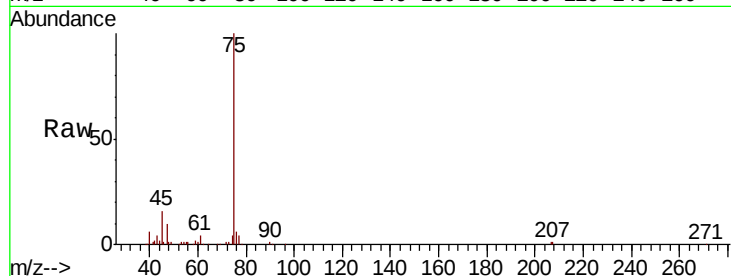
MR-MH-09-COMPRE

Tgt Ion: 43 Resp: 3069

Ion Ratio Lower Upper

43 100

72 18.4 20.0 30.0#



#29

Tetrahydrofuran

Concen: 2.788 ug/l

RT: 7.54 min Scan# 925

Delta R.T. 0.01 min

Lab File: VW009127.D

Acq: 12 Mar 2019 16:46

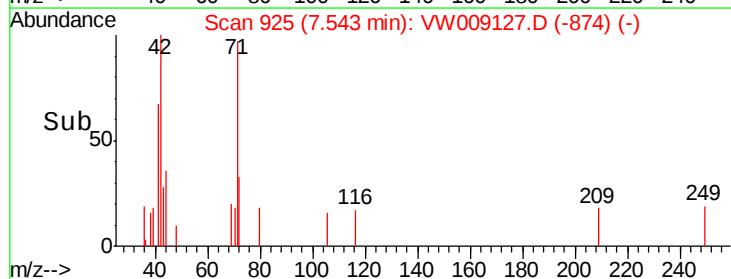
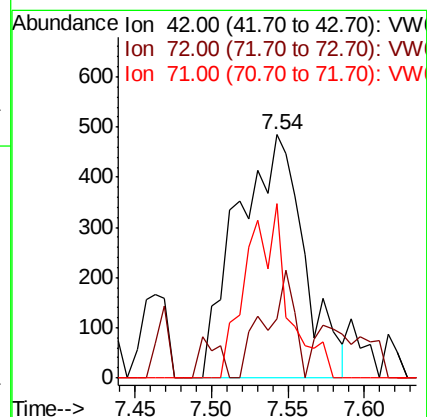
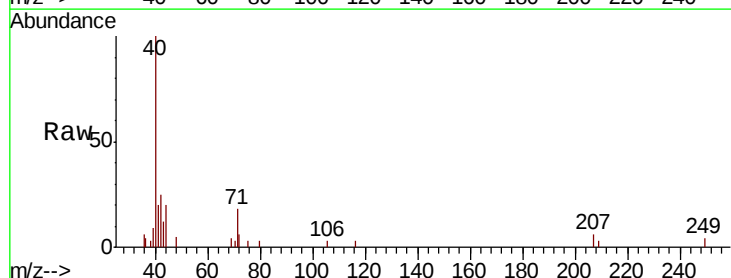
Tgt Ion: 42 Resp: 1471

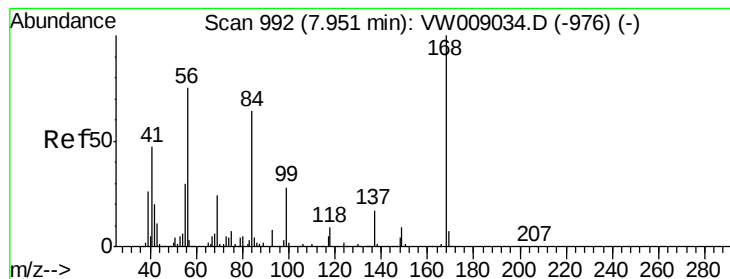
Ion Ratio Lower Upper

42 100

72 19.2 32.2 48.4#

71 44.6 30.7 46.1





#31

Cyclohexane

Concen: 1.347 ug/l

RT: 7.95 min Scan# 991

Delta R.T. -0.01 min

Lab File: VW009127.D

Acq: 12 Mar 2019 16:46

Instrument :

MSVOA_W

ClientSampleId :

MR-MH-09-COMP

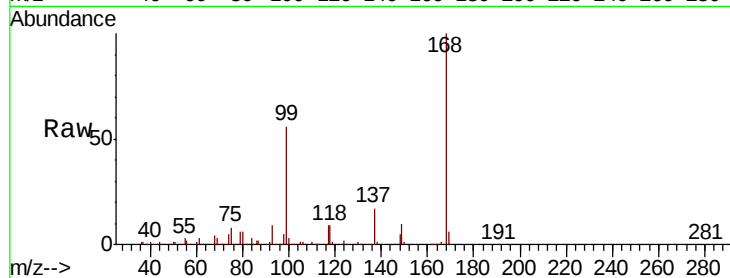
Tgt Ion: 56 Resp: 6743

Ion Ratio Lower Upper

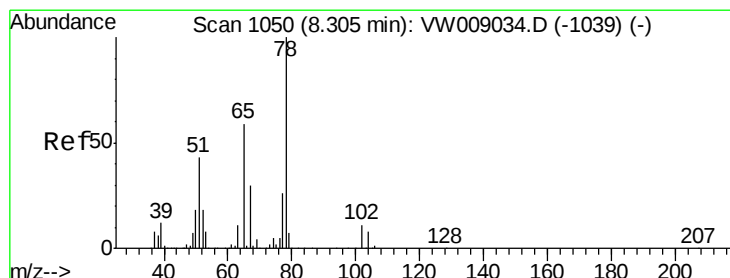
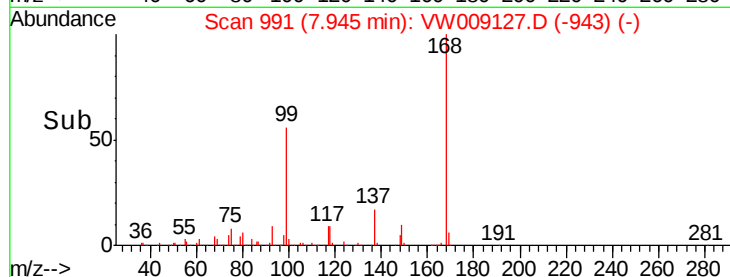
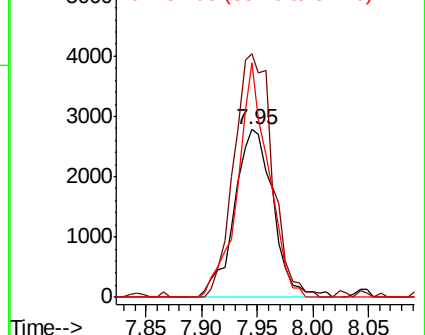
56 100

69 145.3 25.5 38.3#

84 146.5 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: 62.645 ug/l

RT: 8.30 min Scan# 1050

Delta R.T. -0.00 min

Lab File: VW009127.D

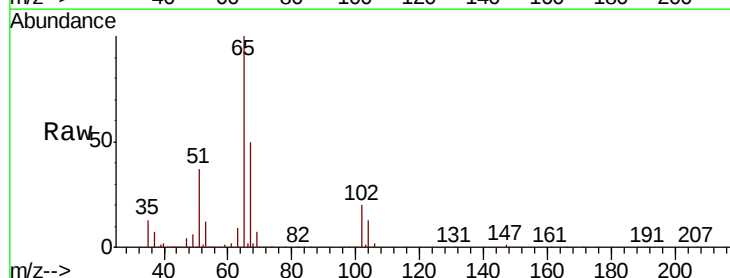
Acq: 12 Mar 2019 16:46

Tgt Ion: 65 Resp: 168158

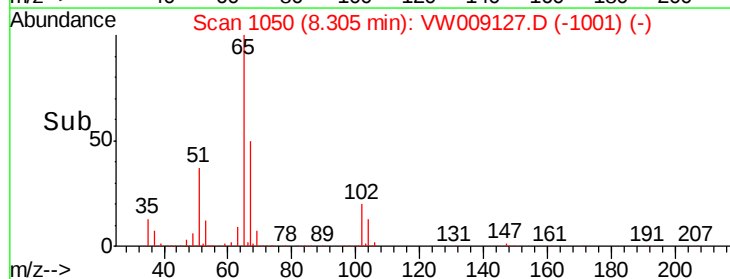
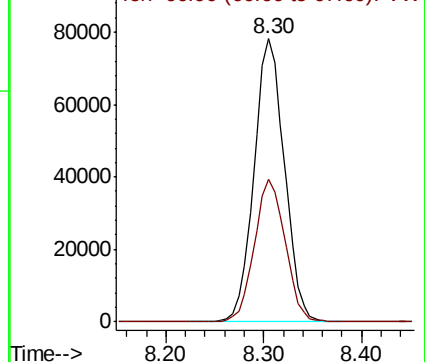
Ion Ratio Lower Upper

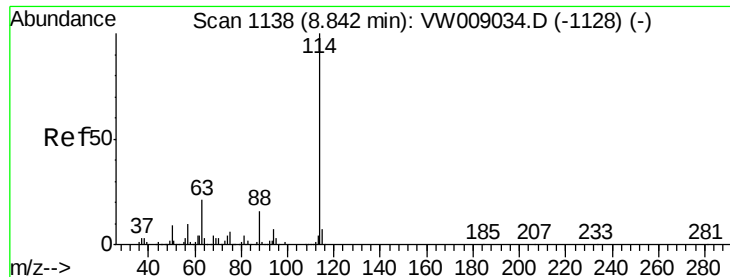
65 100

67 51.5 0.0 103.0



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

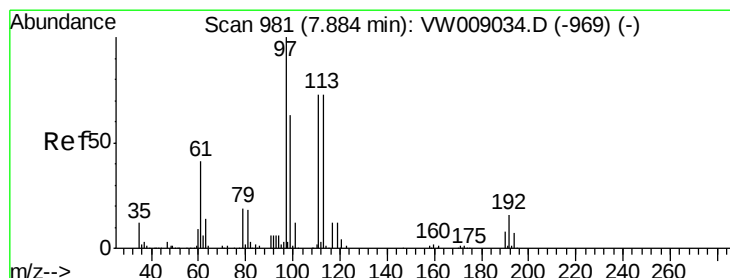
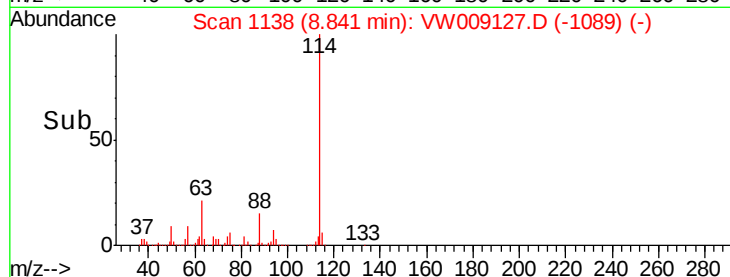
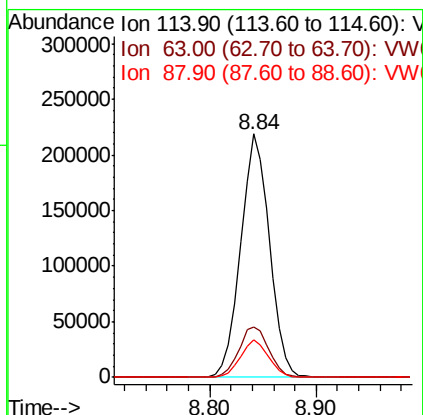
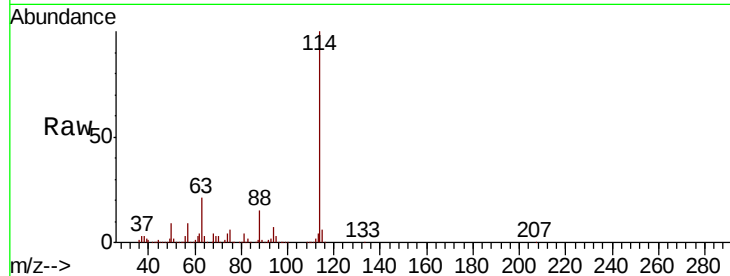




#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.84 min Scan# 1138
 Delta R.T. -0.00 min
 Lab File: VW009127.D
 Acq: 12 Mar 2019 16:46

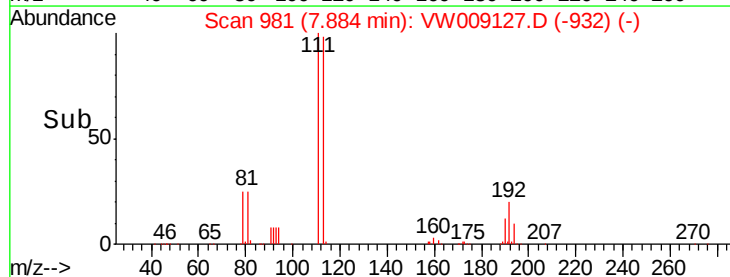
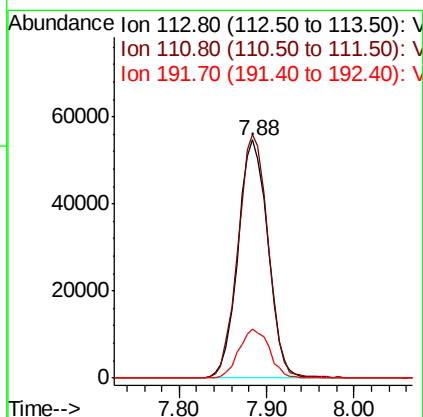
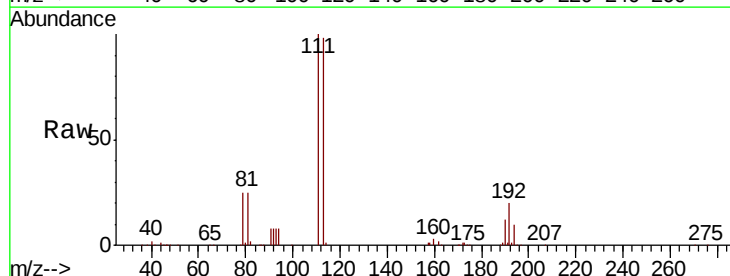
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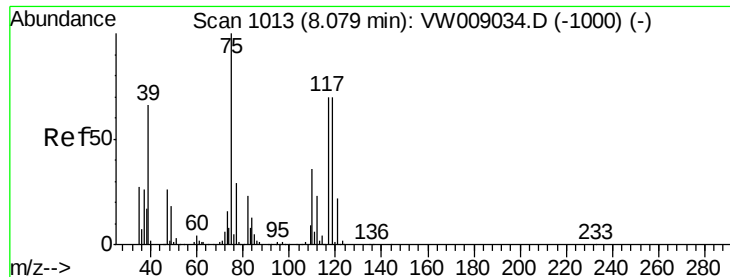
Tgt Ion:114 Resp: 415620
 Ion Ratio Lower Upper
 114 100
 63 20.9 0.0 41.2
 88 15.4 0.0 31.2



#35
 Dibromofluoromethane
 Concen: 52.140 ug/l
 RT: 7.88 min Scan# 981
 Delta R.T. -0.00 min
 Lab File: VW009127.D
 Acq: 12 Mar 2019 16:46

Tgt Ion:113 Resp: 130475
 Ion Ratio Lower Upper
 113 100
 111 102.4 81.0 121.4
 192 20.9 17.1 25.7

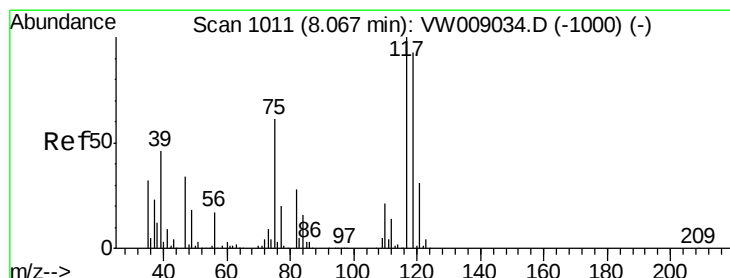
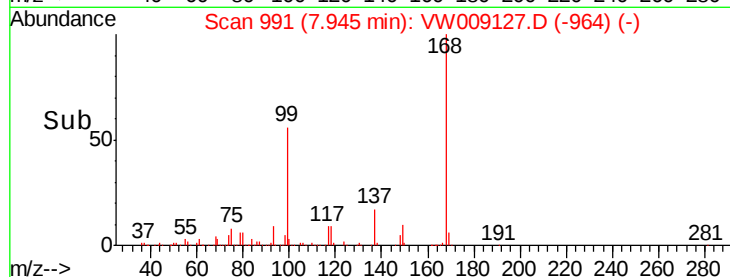
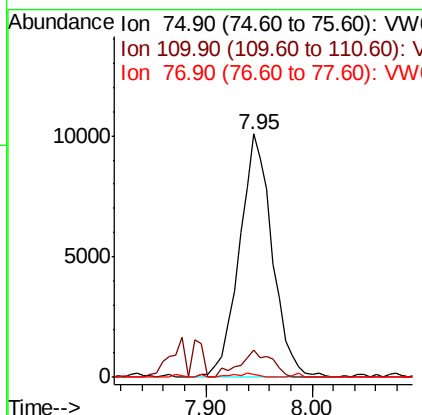
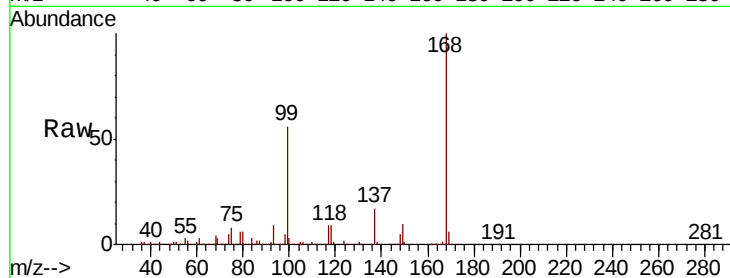




#36
 1,1-Dichloropropene
 Concen: 5.026 ug/l
 RT: 7.95 min Scan# 991
 Delta R.T. -0.13 min
 Lab File: VW009127.D
 Acq: 12 Mar 2019 16:46

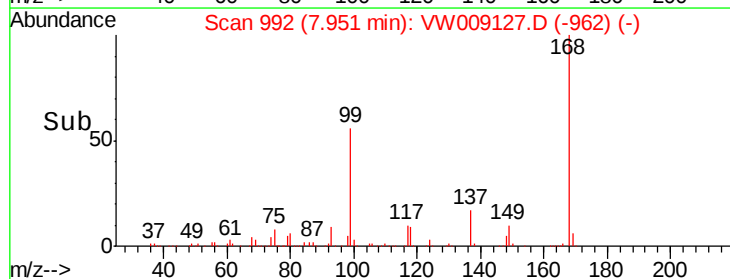
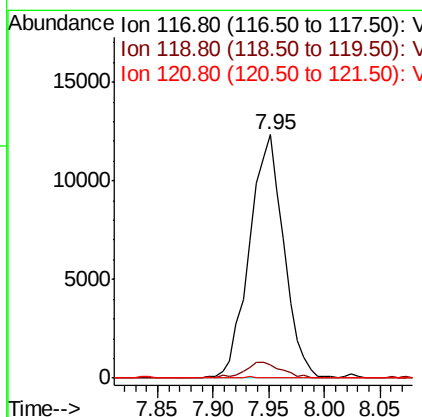
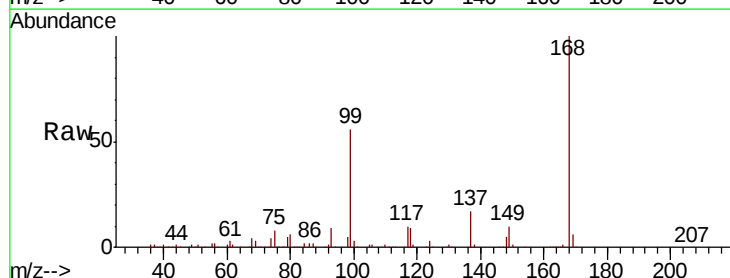
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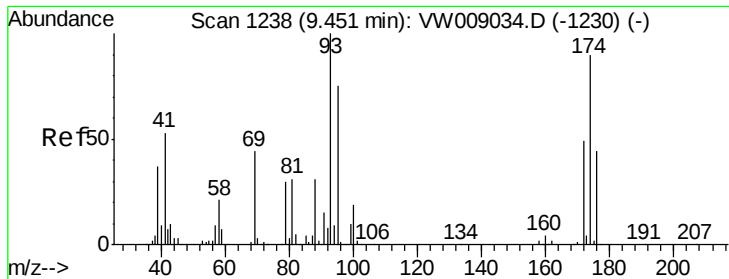
Tgt Ion: 75 Resp: 21844
 Ion Ratio Lower Upper
 75 100
 110 10.9 17.6 52.9#
 77 1.2 25.1 37.7#



#38
 Carbon Tetrachloride
 Concen: 5.926 ug/l
 RT: 7.95 min Scan# 992
 Delta R.T. -0.12 min
 Lab File: VW009127.D
 Acq: 12 Mar 2019 16:46

Tgt Ion: 117 Resp: 26597
 Ion Ratio Lower Upper
 117 100
 119 5.6 74.6 112.0#
 121 0.0 24.7 37.1#





#49

1,4-Dioxane

Concen: 1.188 ug/l

RT: 9.41 min Scan# 1232

Delta R.T. -0.04 min

Lab File: VW009127.D

Acq: 12 Mar 2019 16:46

Instrument :

MSVOA_W

ClientSampleId :

MR-MH-09-COMPRE

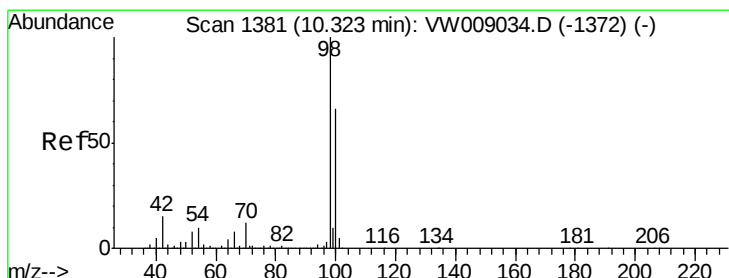
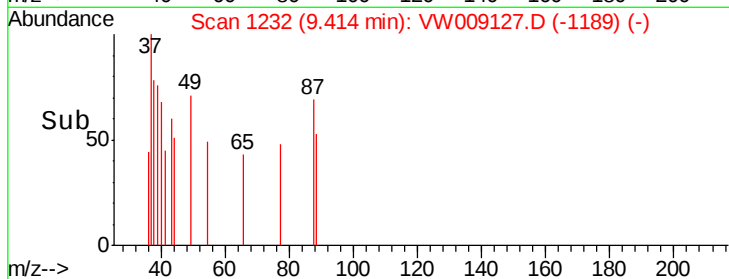
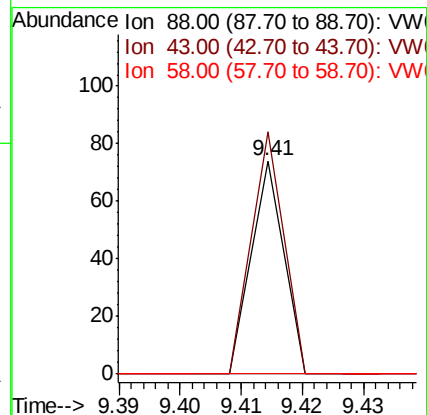
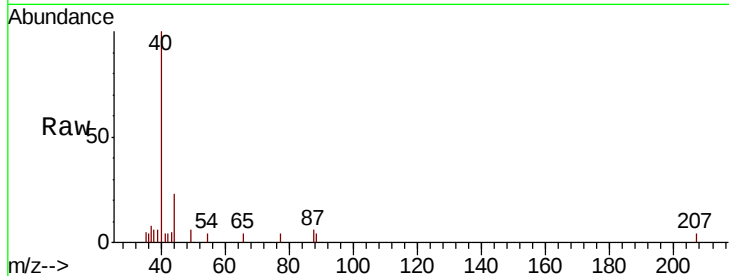
Tgt Ion: 88 Resp: 27

Ion Ratio Lower Upper

88 100

43 114.8 29.0 43.4#

58 0.0 59.2 88.8#



#50

Toluene-d8

Concen: 49.092 ug/l

RT: 10.32 min Scan# 1381

Delta R.T. -0.00 min

Lab File: VW009127.D

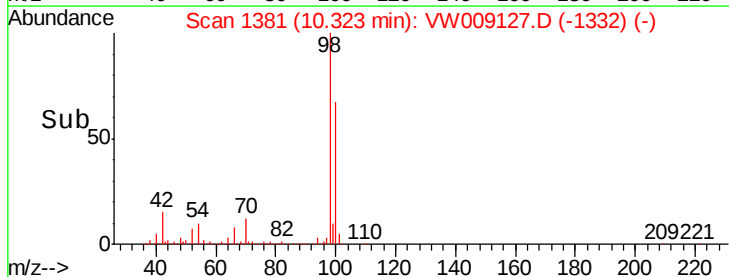
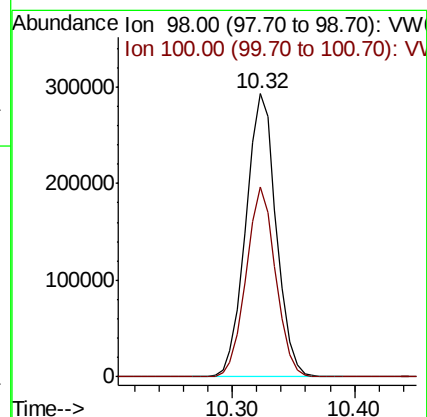
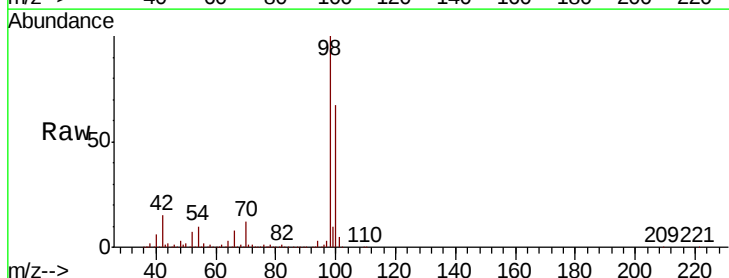
Acq: 12 Mar 2019 16:46

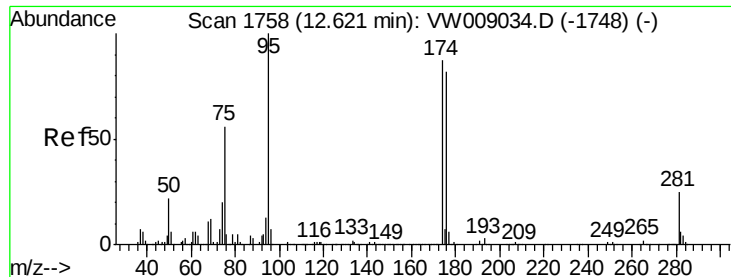
Tgt Ion: 98 Resp: 504559

Ion Ratio Lower Upper

98 100

100 65.2 51.9 77.9





#62

4-Bromofluorobenzene

Concen: 42.273 ug/l

RT: 12.62 min Scan# 1758

Delta R.T. -0.00 min

Lab File: VW009127.D

Acq: 12 Mar 2019 16:46

Instrument :

MSVOA_W

ClientSampleId :

MR-MH-09-COMP

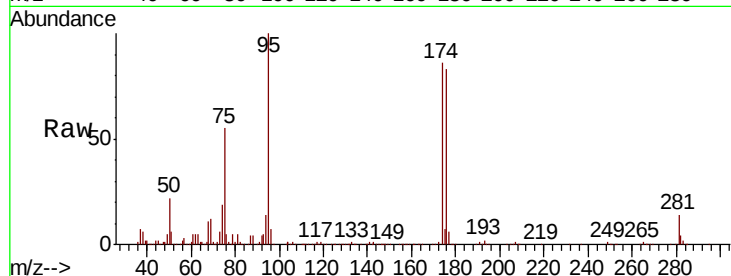
Tgt Ion: 95 Resp: 171035

Ion Ratio Lower Upper

95 100

174 85.8 0.0 167.0

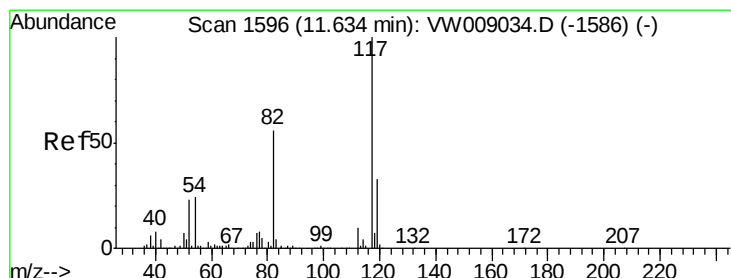
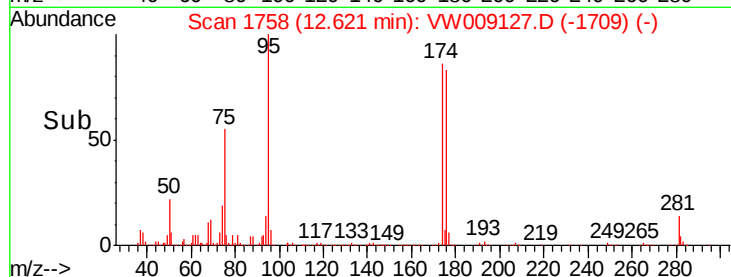
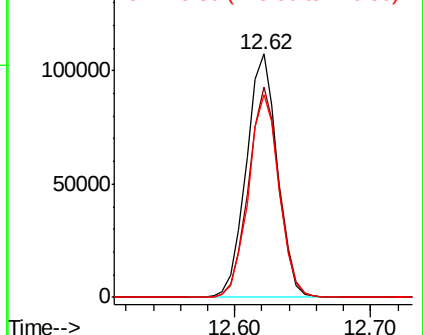
176 82.2 0.0 159.4



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: VW009127.D

Acq: 12 Mar 2019 16:46

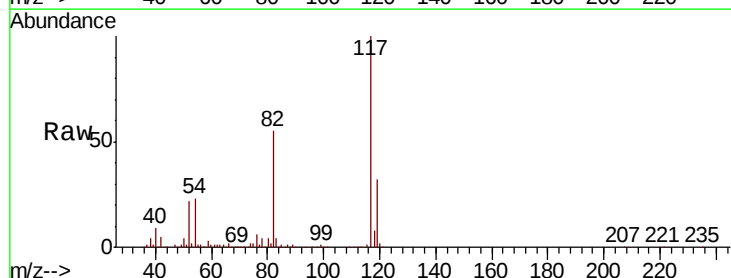
Tgt Ion: 117 Resp: 381858

Ion Ratio Lower Upper

117 100

82 54.8 45.0 67.6

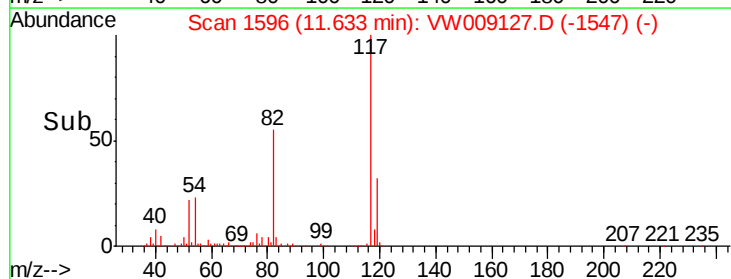
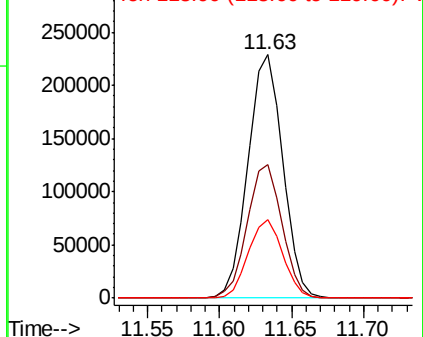
119 32.0 26.6 39.8

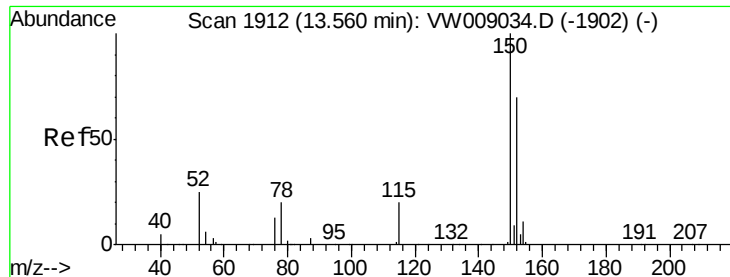


Abundance Ion 116.90 (116.60 to 117.60): VW

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: VW009127.D

Acq: 12 Mar 2019 16:46

Instrument :

MSVOA_W

ClientSampleId :

MR-MH-09-COMPRE

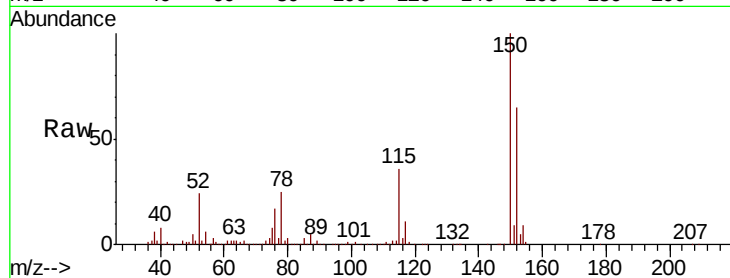
Tgt Ion:152 Resp: 177504

Ion Ratio Lower Upper

152 100

115 56.9 28.9 86.7

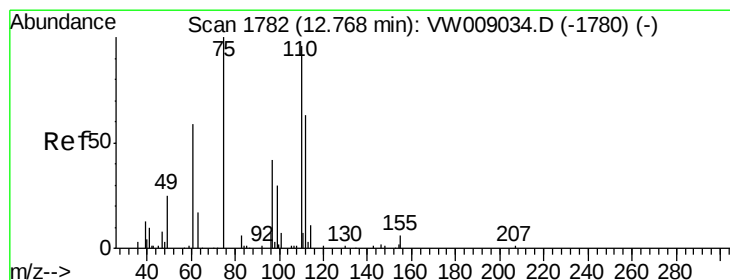
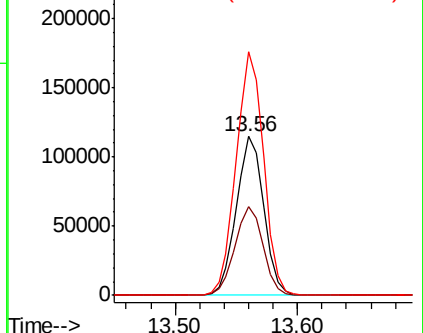
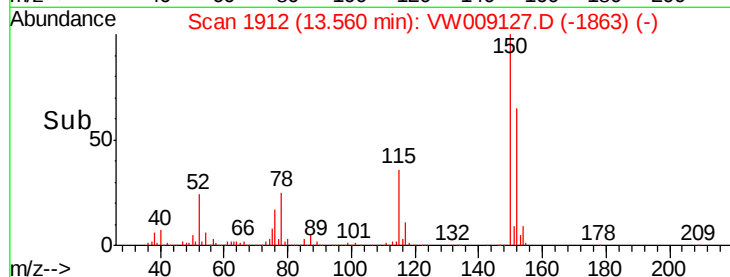
150 153.7 0.0 349.2



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: 66.756 ug/l

RT: 12.62 min Scan# 1758

Delta R.T. -0.15 min

Lab File: VW009127.D

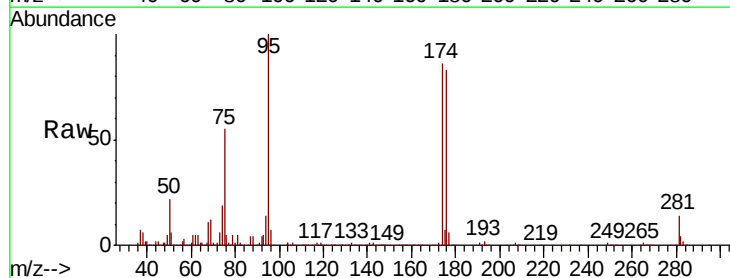
Acq: 12 Mar 2019 16:46

Tgt Ion: 75 Resp: 93621

Ion Ratio Lower Upper

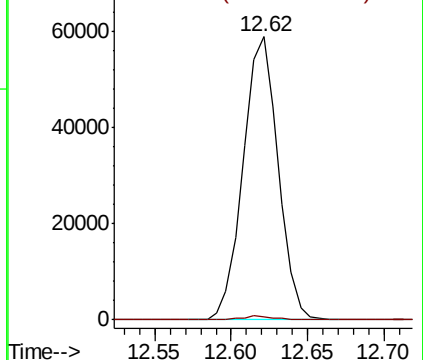
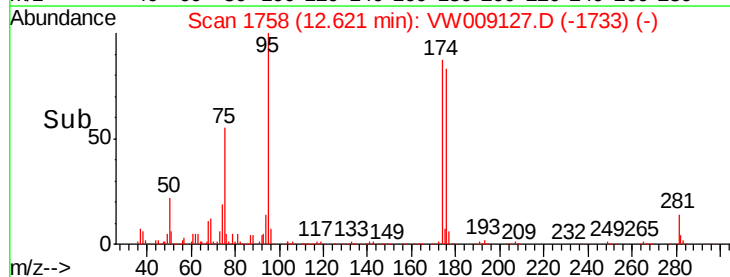
75 100

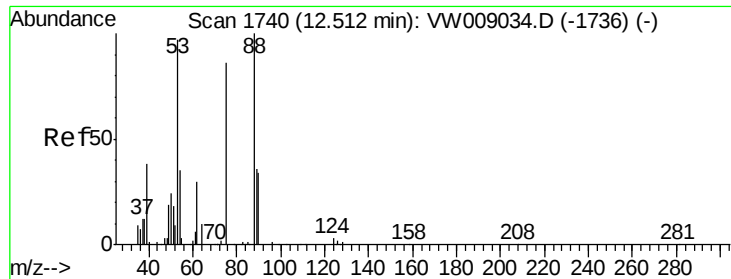
77 1.4 186.7 560.0#



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: 149.316 ug/l

RT: 12.62 min Scan# 1758

Delta R.T. 0.11 min

Lab File: VW009127.D

Acq: 12 Mar 2019 16:46

Instrument :

MSVOA_W

ClientSampleId :

MR-MH-09-COMP

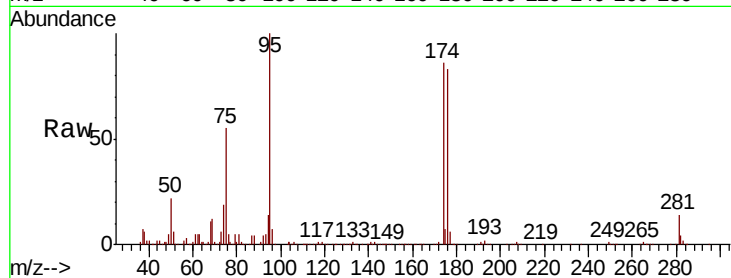
Tgt Ion: 75 Resp: 93621

Ion Ratio Lower Upper

75 100

53 0.2 90.5 135.7#

89 0.1 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

