

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW031219\
 Data File : VW009128.D
 Acq On : 12 Mar 2019 17:13
 Operator : SY/VA
 Sample : K1837-07RE
 Misc : 6.11G/5ML/MSVOA_W/SOIL
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 MR-MH-08-COMPRE

Quant Time: Mar 13 01:54:38 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	248020	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	384681	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	350264	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	166064	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	156967	62.90	ug/l	0.00
Spiked Amount			Recovery	=	125.80%	
35) Dibromofluoromethane	7.88	113	123879	53.49	ug/l	0.00
Spiked Amount			Recovery	=	106.98%	
50) Toluene-d8	10.32	98	464698	48.85	ug/l	0.00
Spiked Amount			Recovery	=	97.70%	
62) 4-Bromofluorobenzene	12.62	95	163070	43.55	ug/l	0.00
Spiked Amount			Recovery	=	87.10%	

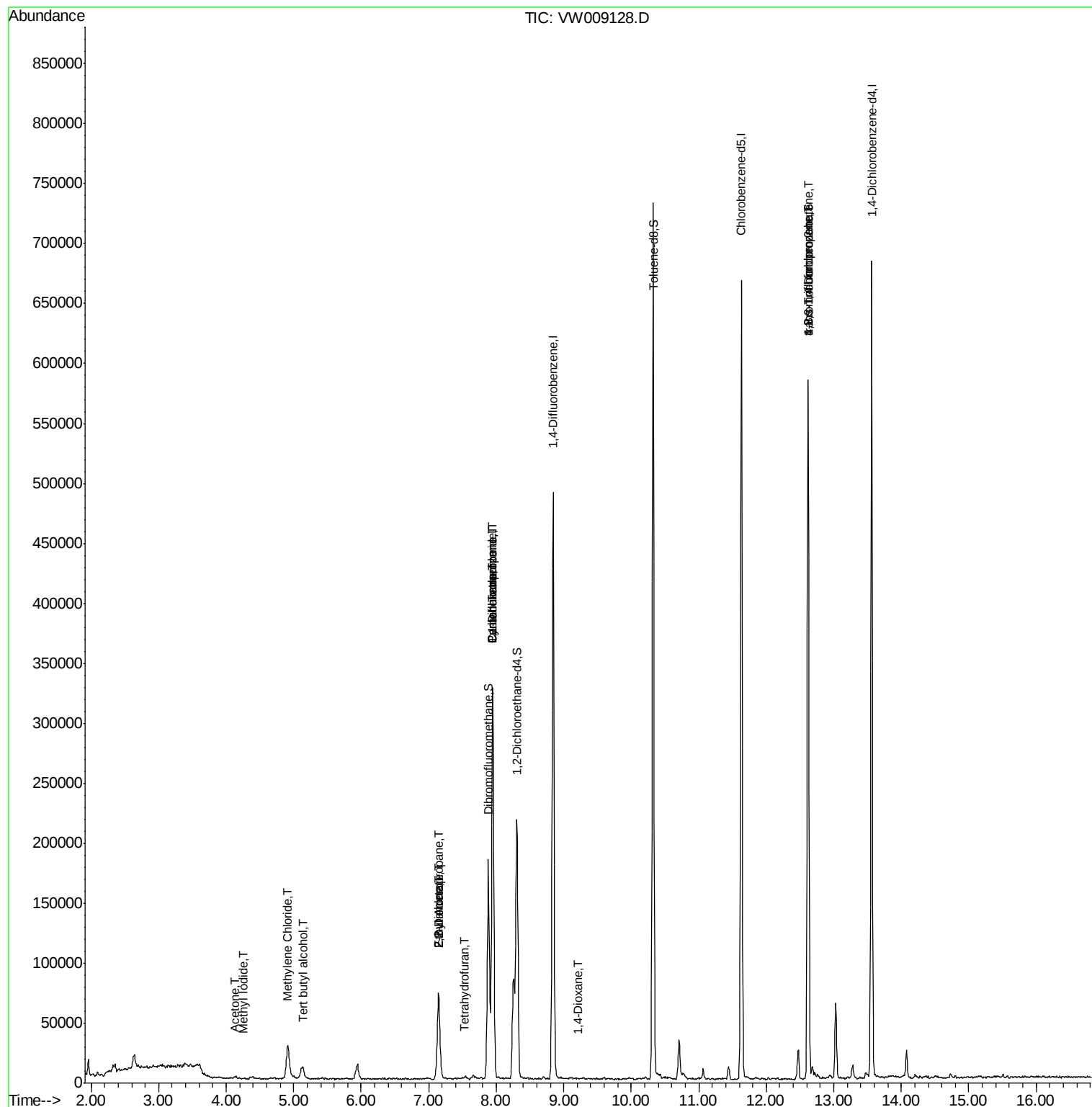
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
10) Methyl Iodide	4.26	142	40	3.201	ug/l #	40
11) Tert butyl alcohol	5.14	59	9629	50.356	ug/l #	72
16) Acetone	4.12	43	2751	4.886	ug/l #	77
20) Methylene Chloride	4.92	84	21604	3.062	ug/l	94
25) 2-Butanone	7.15	43	4826	6.201	ug/l	95
26) 2,2-Dichloropropane	7.15	77	5480	1.330	ug/l #	54
29) Tetrahydrofuran	7.53	42	1683	3.432	ug/l #	89
31) Cyclohexane	7.95	56	6417	1.379	ug/l #	29
36) 1,1-Dichloropropene	7.94	75	20449	5.084	ug/l #	50
37) Ethyl Acetate	7.15	43	4826	2.554	ug/l #	6
38) Carbon Tetrachloride	7.95	117	24359	5.864	ug/l #	20
49) 1,4-Dioxane	9.21	88	76	3.614	ug/l #	1
76) 1,2,3-Trichloropropane	12.62	75	87139	66.415	ug/l #	1
81) trans-1,4-Dichloro-2-buten	12.62	75	87139	148.552	ug/l #	5

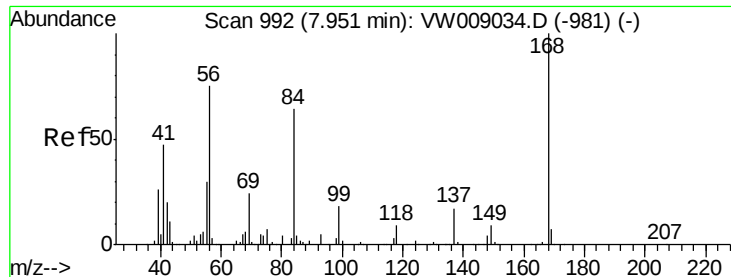
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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# 991

Delta R.T. -0.01 min

Lab File: VW009128.D

Acq: 12 Mar 2019 17:13

Instrument :

MSVOA_W

ClientSampleId :

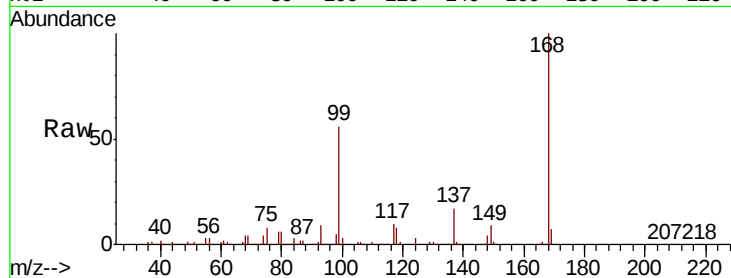
MR-MH-08-COMPRE

Tgt Ion:168 Resp: 248020

Ion Ratio Lower Upper

168 100

99 55.7 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

120000

100000

80000

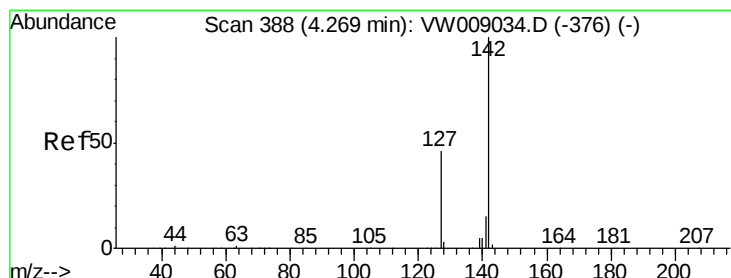
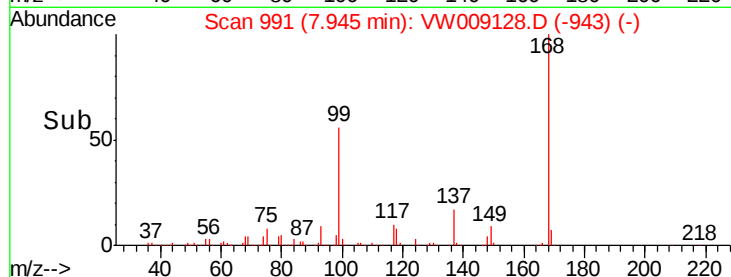
60000

40000

20000

0

Time--> 7.80 7.90 8.00 8.10



#10

Methyl Iodide

Concen: 3.201 ug/l

RT: 4.26 min Scan# 386

Delta R.T. -0.01 min

Lab File: VW009128.D

Acq: 12 Mar 2019 17:13

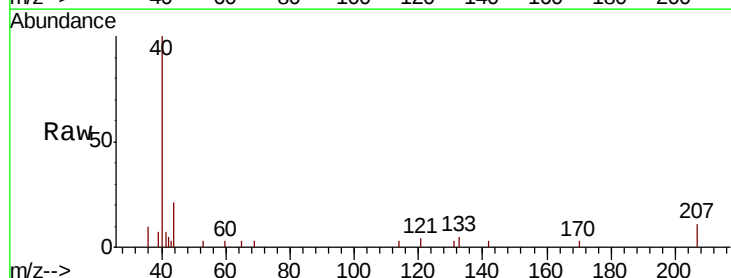
Tgt Ion:142 Resp: 40

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

200

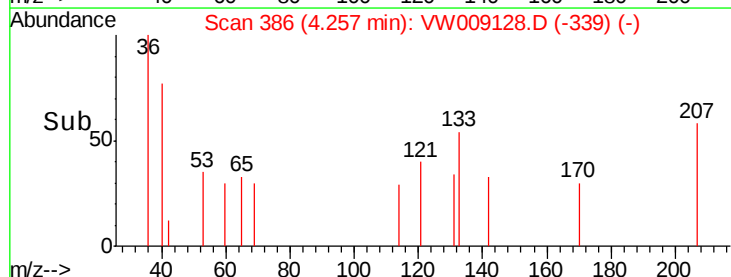
150

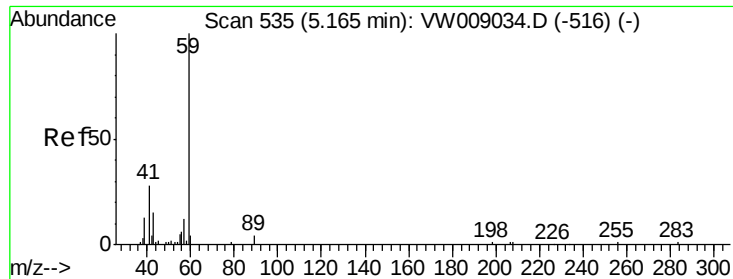
100

50

0

Time--> 4.24 4.26 4.28

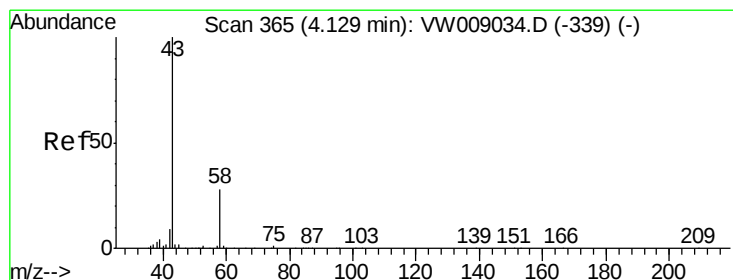
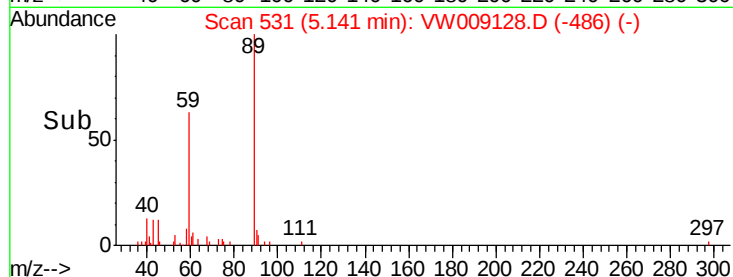
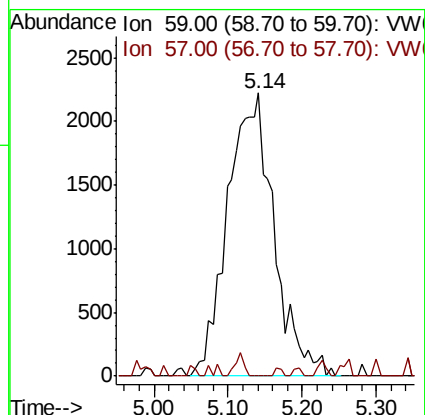
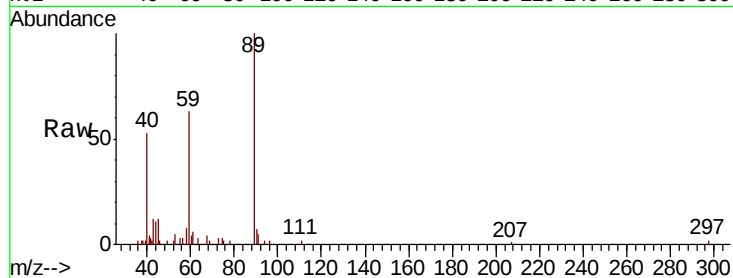




#11
Tert butyl alcohol
Concen: 50.356 ug/l
RT: 5.14 min Scan# 531
Delta R.T. -0.02 min
Lab File: VW009128.D
Acq: 12 Mar 2019 17:13

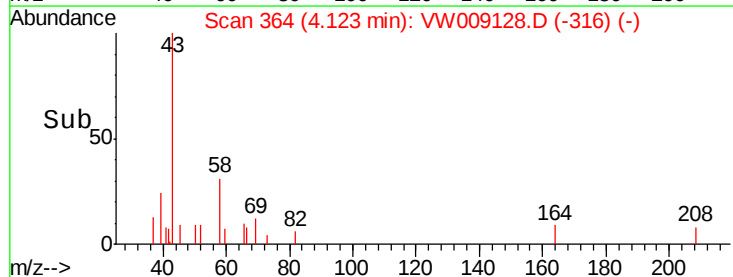
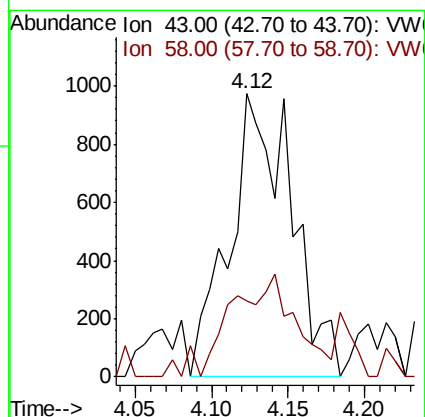
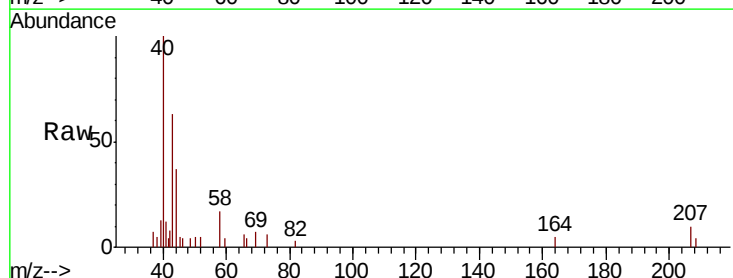
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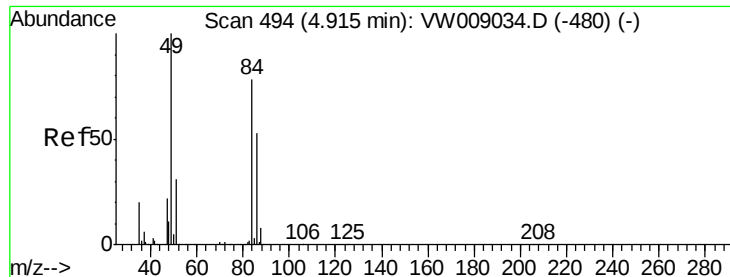
Tgt Ion: 59 Resp: 9629
Ion Ratio Lower Upper
59 100
57 0.0 8.6 12.8#



#16
Acetone
Concen: 4.886 ug/l
RT: 4.12 min Scan# 364
Delta R.T. -0.01 min
Lab File: VW009128.D
Acq: 12 Mar 2019 17:13

Tgt Ion: 43 Resp: 2751
Ion Ratio Lower Upper
43 100
58 16.0 22.5 33.7#

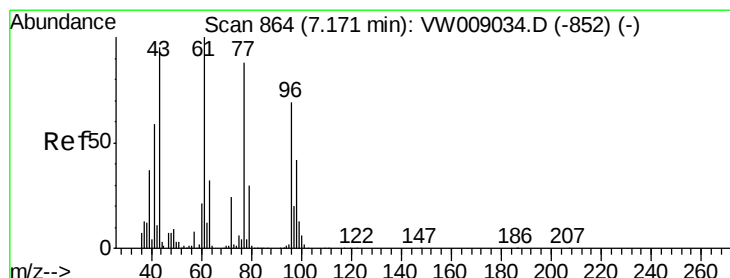
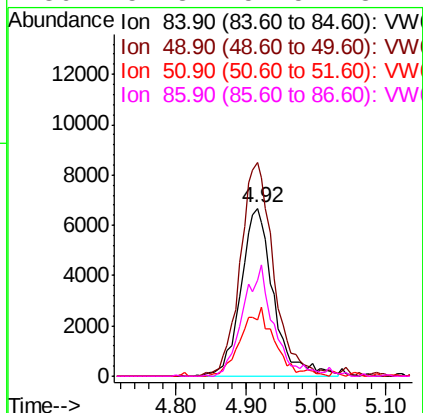
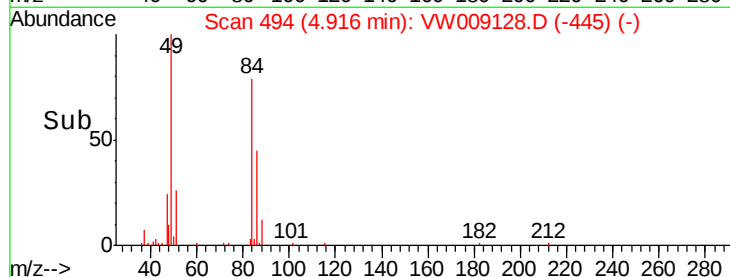
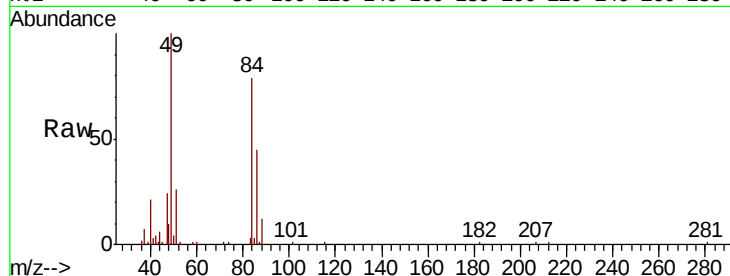




#20
Methylene Chloride
Concen: 3.062 ug/l
RT: 4.92 min Scan# 494
Delta R.T. 0.00 min
Lab File: VW009128.D
Acq: 12 Mar 2019 17:13

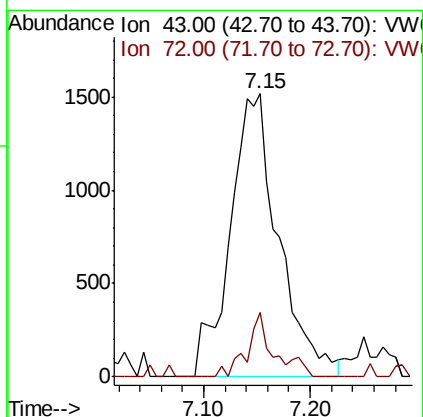
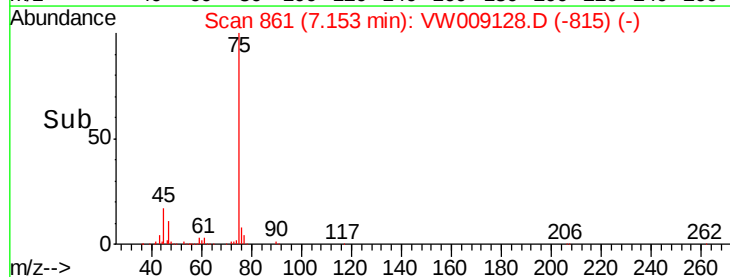
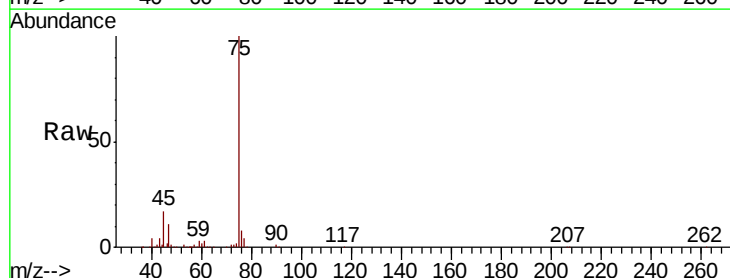
Instrument :
MSVOA_W
ClientSampleId :
MR-MH-08-COMP

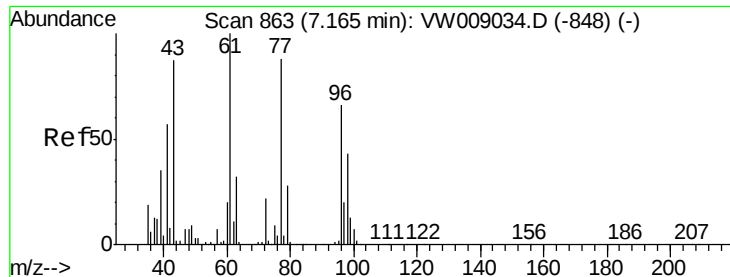
Tgt Ion: 84 Resp: 21604
Ion Ratio Lower Upper
84 100
49 127.0 102.4 153.6
51 33.3 31.6 47.4
86 57.3 54.5 81.7



#25
2-Butanone
Concen: 6.201 ug/l
RT: 7.15 min Scan# 861
Delta R.T. -0.02 min
Lab File: VW009128.D
Acq: 12 Mar 2019 17:13

Tgt Ion: 43 Resp: 4826
Ion Ratio Lower Upper
43 100
72 22.7 20.0 30.0





#26

2,2-Dichloropropane

Concen: 1.330 ug/l

RT: 7.15 min Scan# 860

Delta R.T. -0.02 min

Lab File: VW009128.D

Acq: 12 Mar 2019 17:13

Instrument :

MSVOA_W

ClientSampleId :

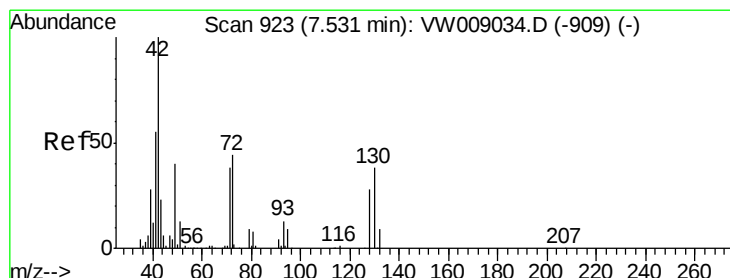
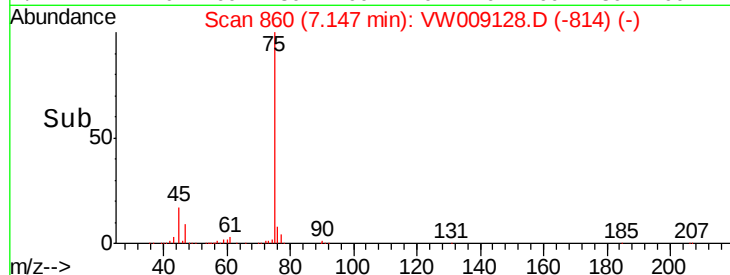
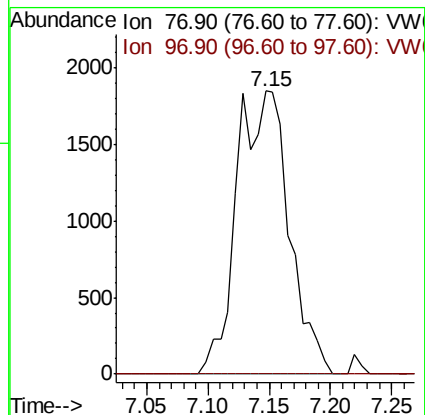
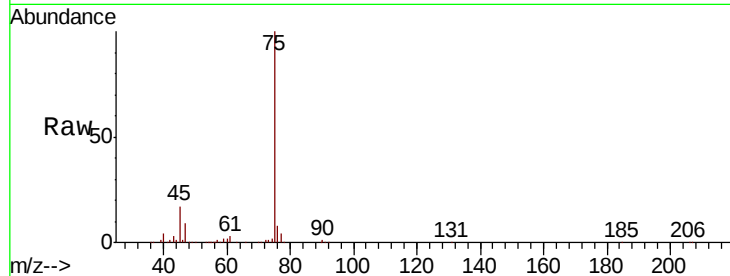
MR-MH-08-COMP

Tgt Ion: 77 Resp: 5480

Ion Ratio Lower Upper

77 100

97 0.0 10.9 32.9#



#29

Tetrahydrofuran

Concen: 3.432 ug/l

RT: 7.53 min Scan# 923

Delta R.T. 0.00 min

Lab File: VW009128.D

Acq: 12 Mar 2019 17:13

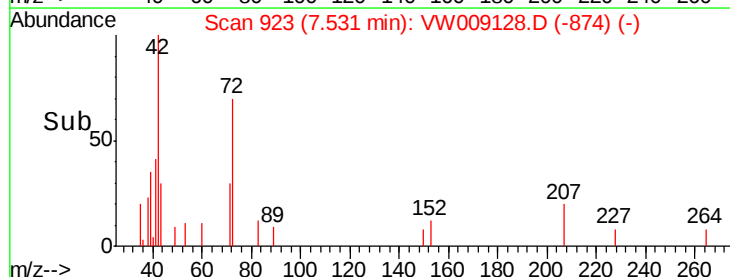
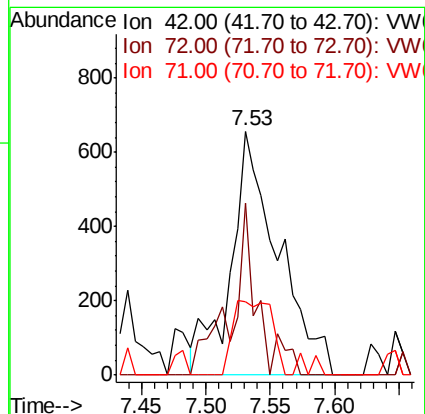
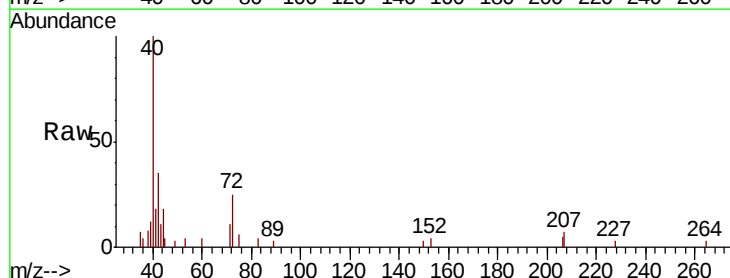
Tgt Ion: 42 Resp: 1683

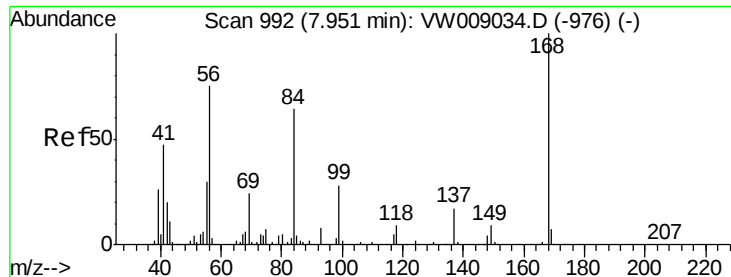
Ion Ratio Lower Upper

42 100

72 39.7 32.2 48.4

71 25.0 30.7 46.1#

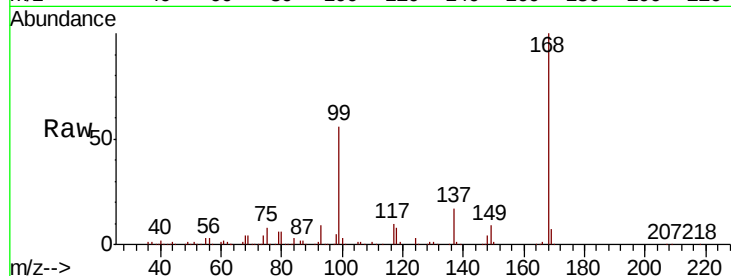




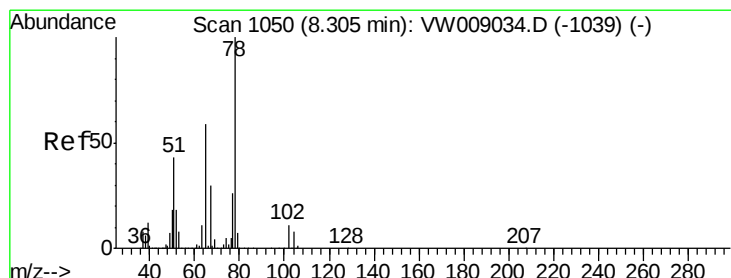
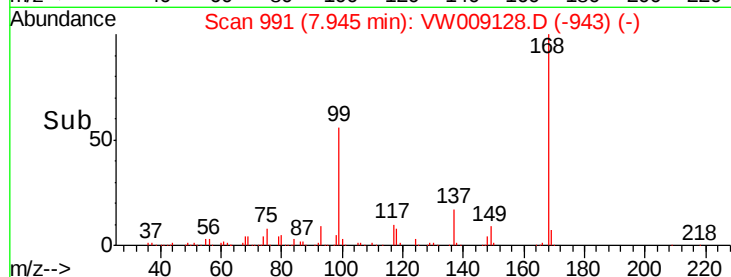
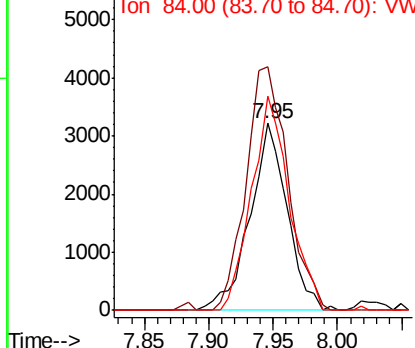
#31
Cyclohexane
Concen: 1.379 ug/l
RT: 7.95 min Scan# 991
Delta R.T. -0.01 min
Lab File: VW009128.D
Acq: 12 Mar 2019 17:13

Instrument :
MSVOA_W
ClientSampleId :
MR-MH-08-COMP

Tgt Ion: 56 Resp: 6417
Ion Ratio Lower Upper
56 100
69 130.1 25.5 38.3#
84 114.4 68.6 103.0#

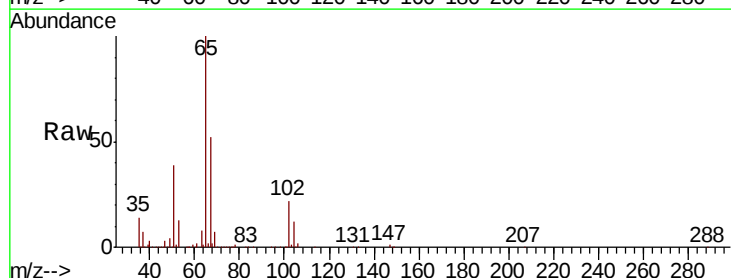


Abundance Ion 56.00 (55.70 to 56.70): VW
Ion 69.00 (68.70 to 69.70): VW
Ion 84.00 (83.70 to 84.70): VW

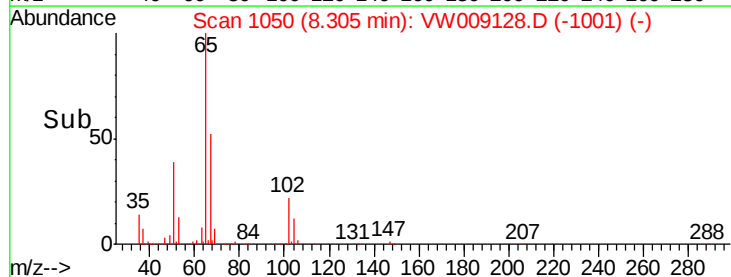
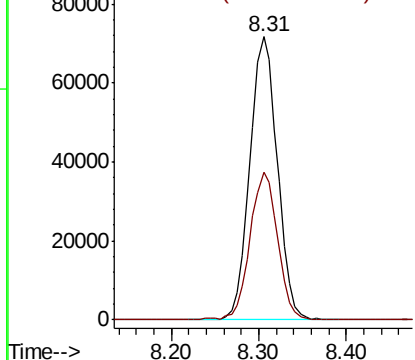


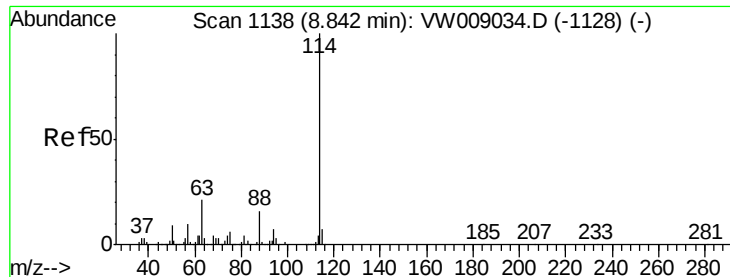
#33
1,2-Dichloroethane-d4
Concen: 62.904 ug/l
RT: 8.31 min Scan# 1050
Delta R.T. 0.00 min
Lab File: VW009128.D
Acq: 12 Mar 2019 17:13

Tgt Ion: 65 Resp: 156967
Ion Ratio Lower Upper
65 100
67 51.9 0.0 103.0



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

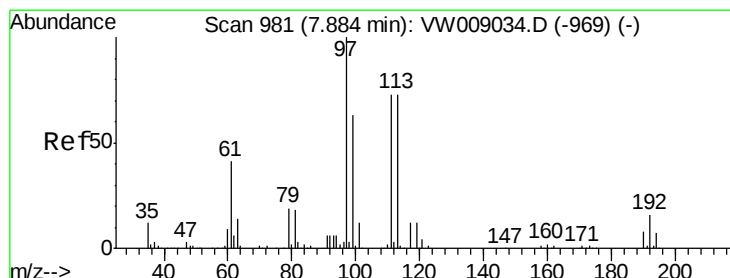
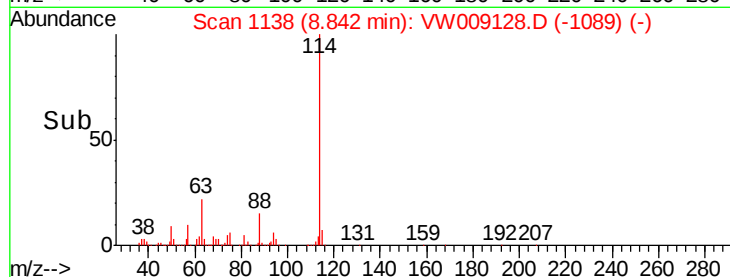
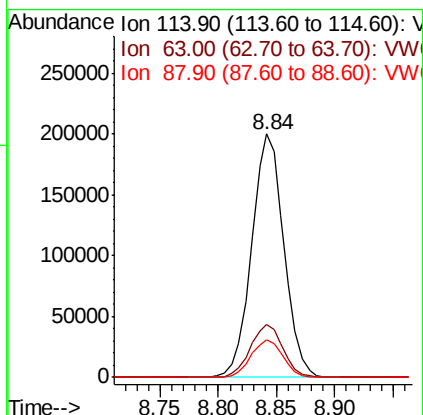
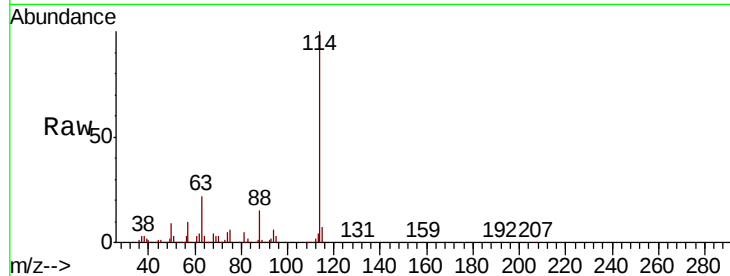




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.84 min Scan# 1138
Delta R.T. 0.00 min
Lab File: VW009128.D
Acq: 12 Mar 2019 17:13

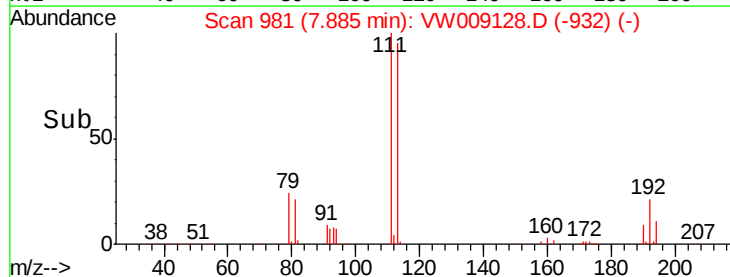
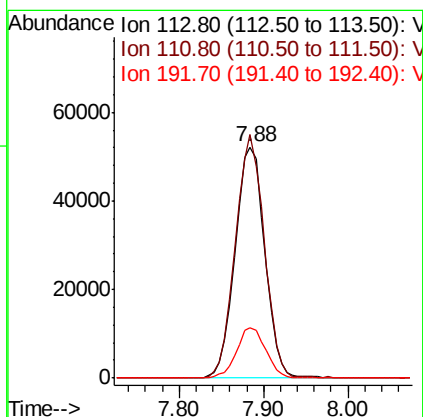
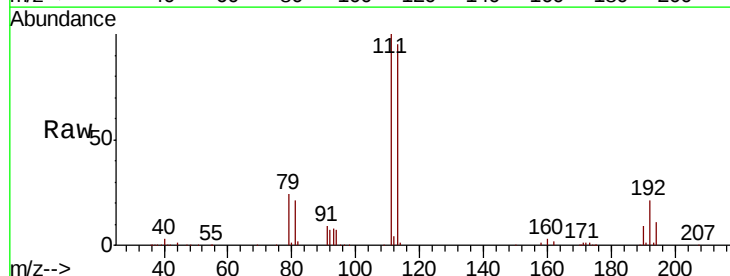
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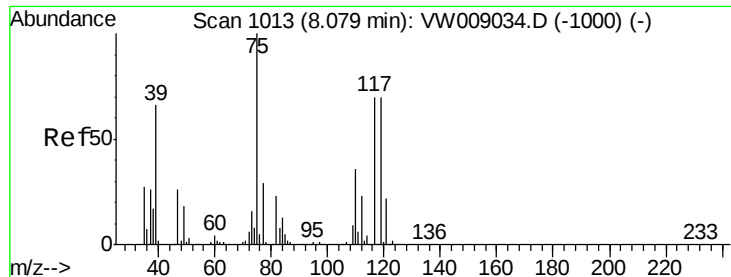
Tgt Ion:114 Resp: 384681
Ion Ratio Lower Upper
114 100
63 21.6 0.0 41.2
88 15.4 0.0 31.2



#35
Dibromofluoromethane
Concen: 53.485 ug/l
RT: 7.88 min Scan# 981
Delta R.T. 0.00 min
Lab File: VW009128.D
Acq: 12 Mar 2019 17:13

Tgt Ion:113 Resp: 123879
Ion Ratio Lower Upper
113 100
111 102.6 81.0 121.4
192 21.4 17.1 25.7

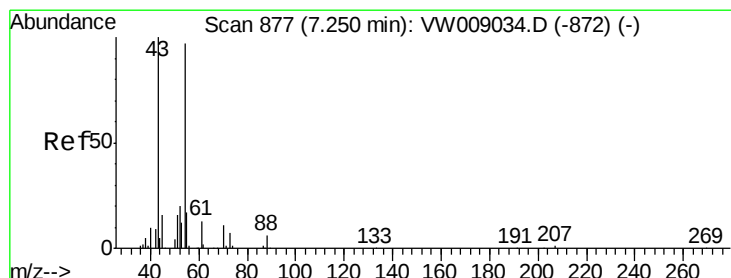
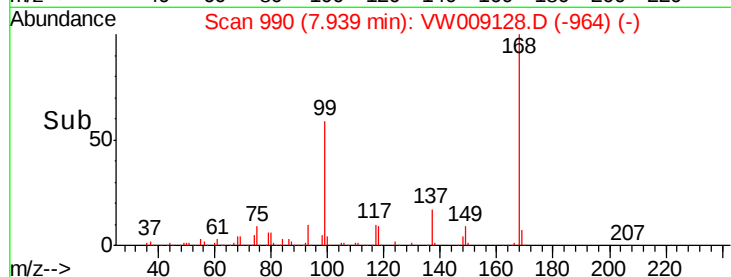
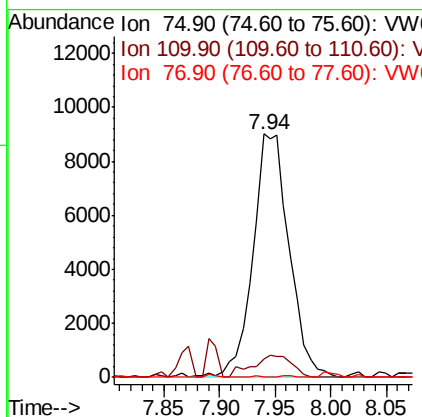
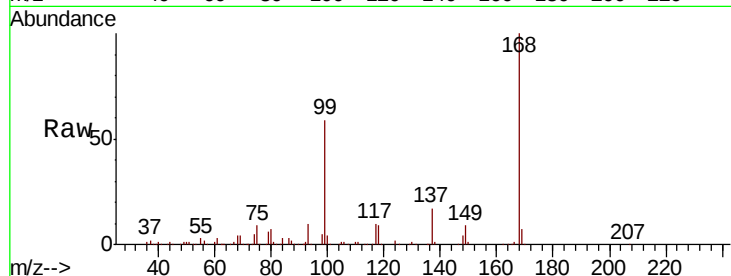




#36
 1,1-Dichloropropene
 Concen: 5.084 ug/l
 RT: 7.94 min Scan# 990
 Delta R.T. -0.14 min
 Lab File: VW009128.D
 Acq: 12 Mar 2019 17:13

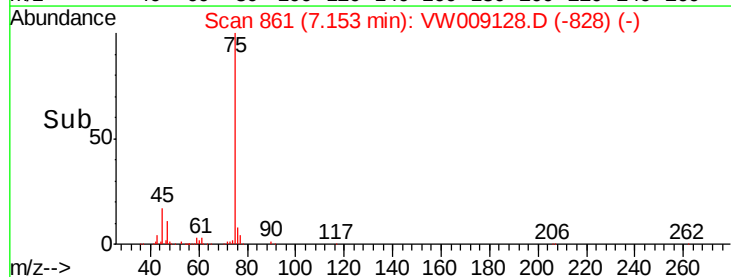
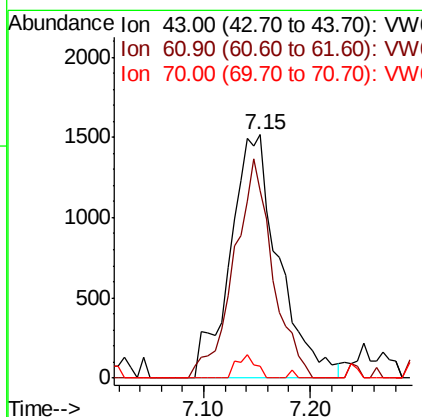
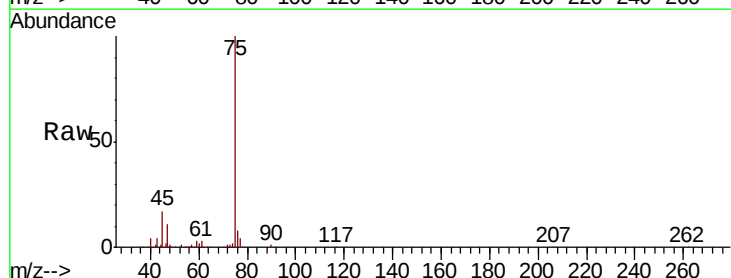
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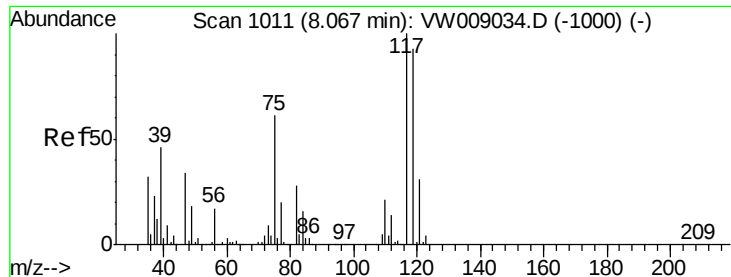
Tgt Ion: 75 Resp: 20449
 Ion Ratio Lower Upper
 75 100
 110 9.9 17.6 52.9#
 77 0.2 25.1 37.7#



#37
 Ethyl Acetate
 Concen: 2.554 ug/l
 RT: 7.15 min Scan# 861
 Delta R.T. -0.10 min
 Lab File: VW009128.D
 Acq: 12 Mar 2019 17:13

Tgt Ion: 43 Resp: 4826
 Ion Ratio Lower Upper
 43 100
 61 72.0 9.8 14.6#
 70 3.8 7.2 10.8#





#38

Carbon Tetrachloride

Concen: 5.864 ug/l

RT: 7.95 min Scan# 992

Delta R.T. -0.12 min

Lab File: VW009128.D

Acq: 12 Mar 2019 17:13

Instrument :

MSVOA_W

ClientSampleId :

MR-MH-08-COMP

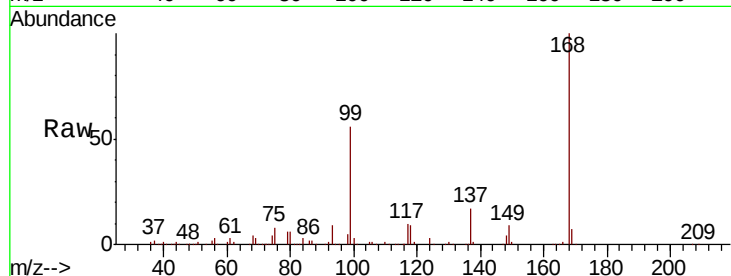
Tgt Ion:117 Resp: 24359

Ion Ratio Lower Upper

117 100

119 8.5 74.6 112.0#

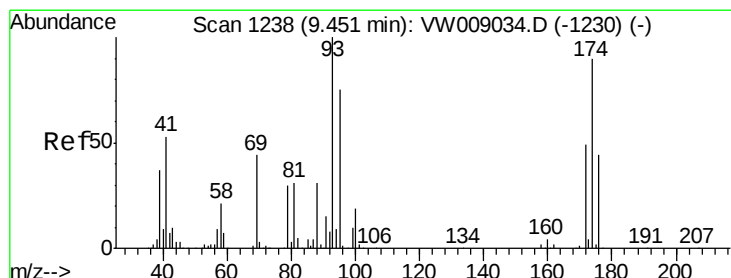
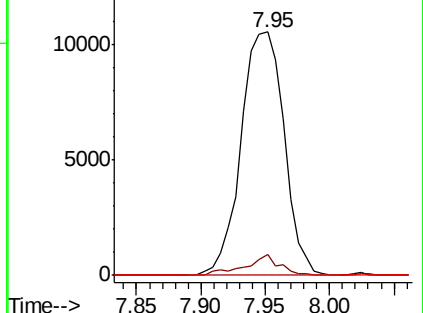
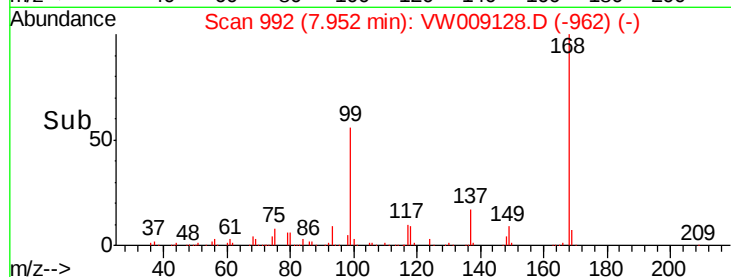
121 0.0 24.7 37.1#



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: 3.614 ug/l

RT: 9.21 min Scan# 1199

Delta R.T. -0.24 min

Lab File: VW009128.D

Acq: 12 Mar 2019 17:13

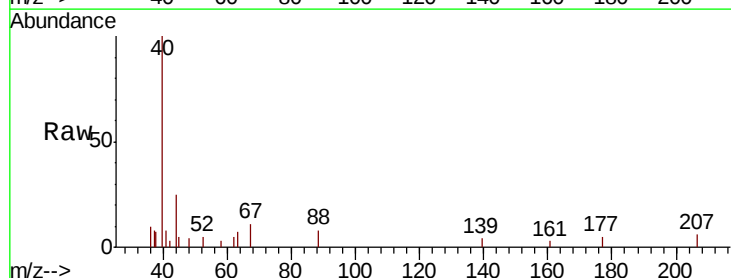
Tgt Ion: 88 Resp: 76

Ion Ratio Lower Upper

88 100

43 265.8 29.0 43.4#

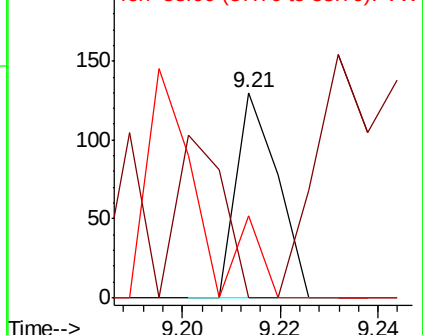
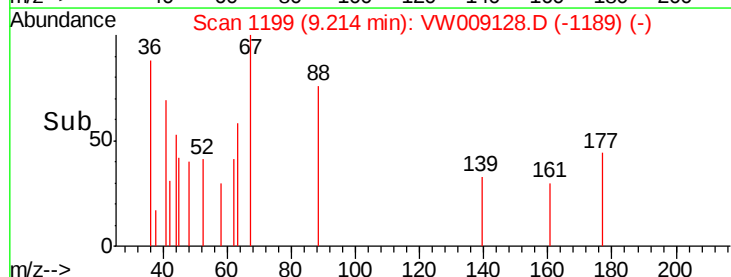
58 0.0 59.2 88.8#

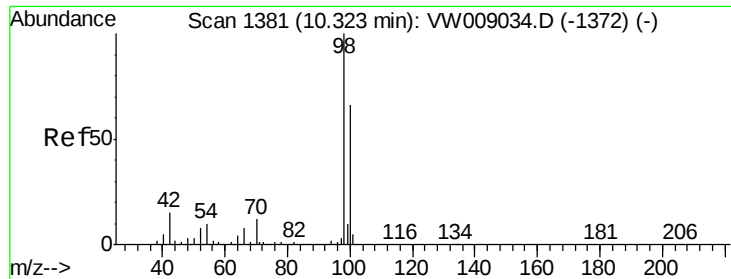


Abundance Ion 88.00 (87.70 to 88.70): VW

Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW





#50

Toluene-d8

Concen: 48.850 ug/l

RT: 10.32 min Scan# 1381

Delta R.T. 0.00 min

Lab File: VW009128.D

Acq: 12 Mar 2019 17:13

Instrument :

MSVOA_W

ClientSampleId :

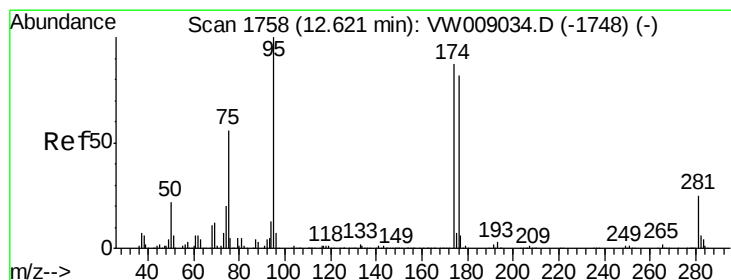
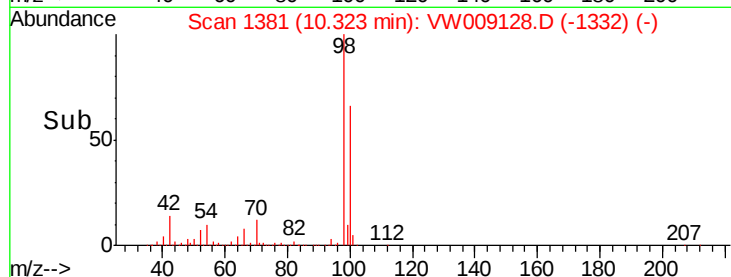
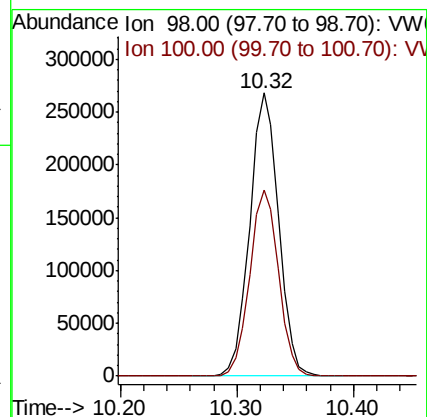
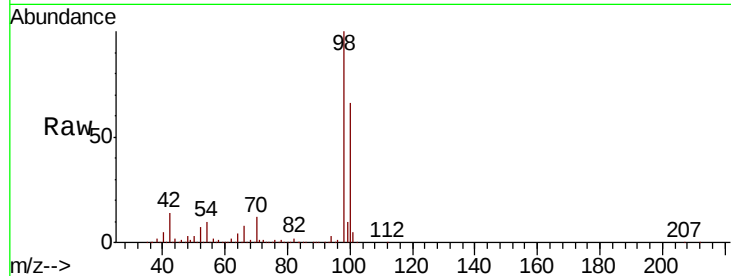
MR-MH-08-COMP

Tgt Ion: 98 Resp: 464698

Ion Ratio Lower Upper

98 100

100 65.6 51.9 77.9



#62

4-Bromofluorobenzene

Concen: 43.546 ug/l

RT: 12.62 min Scan# 1758

Delta R.T. 0.00 min

Lab File: VW009128.D

Acq: 12 Mar 2019 17:13

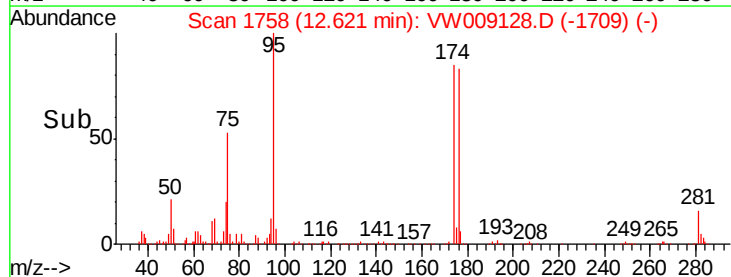
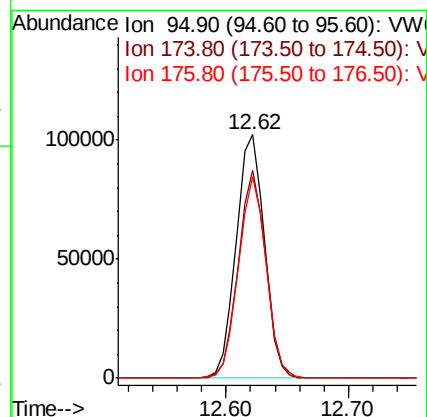
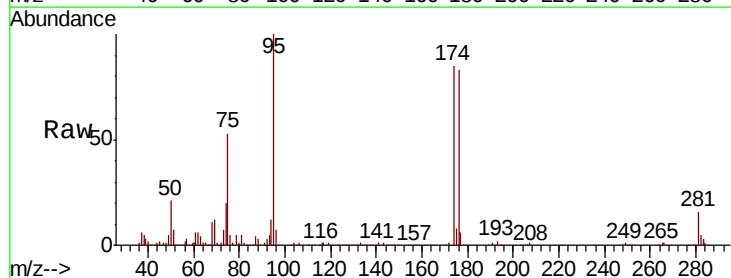
Tgt Ion: 95 Resp: 163070

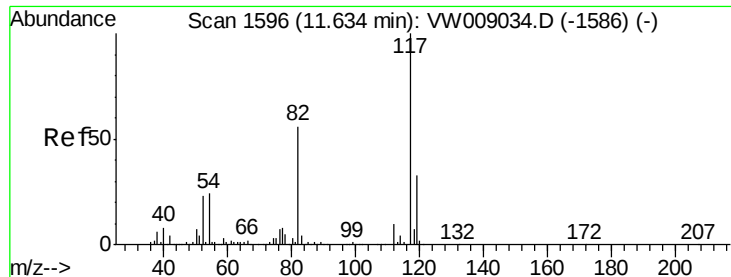
Ion Ratio Lower Upper

95 100

174 83.3 0.0 167.0

176 80.6 0.0 159.4

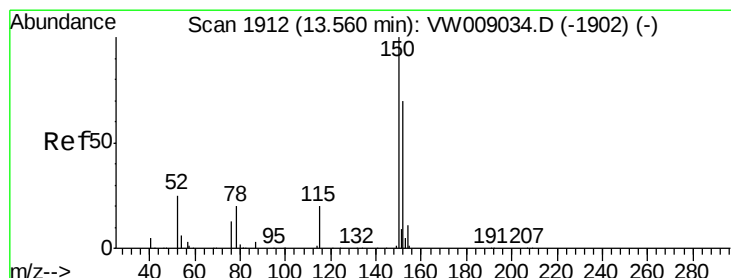
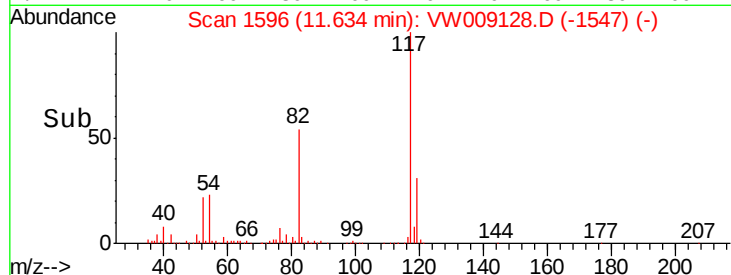
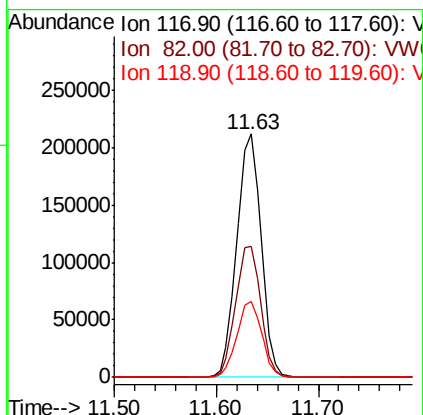
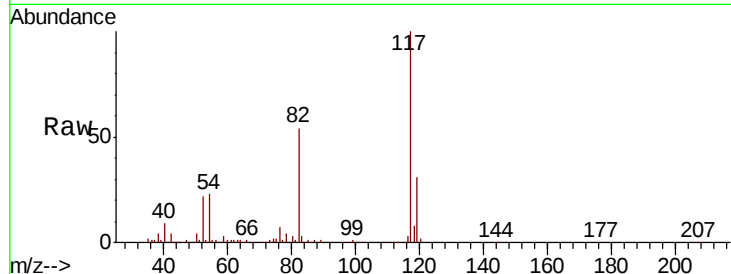




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1596
Delta R.T. 0.00 min
Lab File: VW009128.D
Acq: 12 Mar 2019 17:13

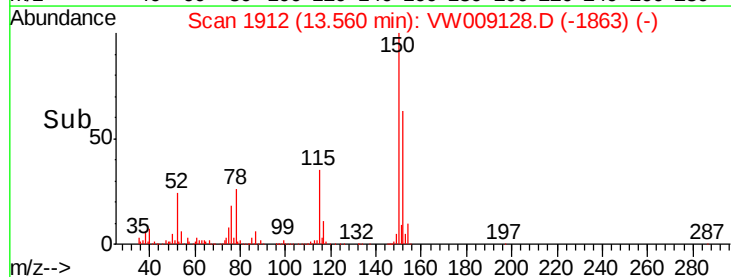
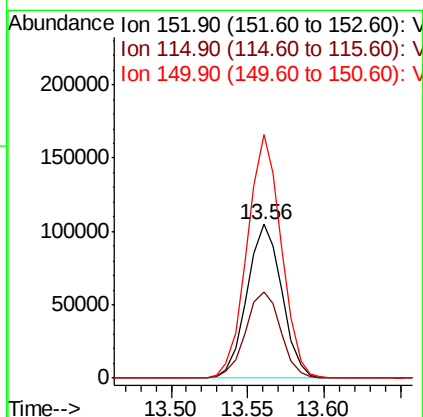
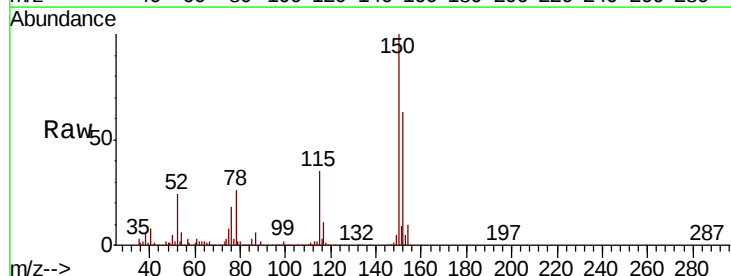
Instrument :
MSVOA_W
ClientSampleId :
MR-MH-08-COMP

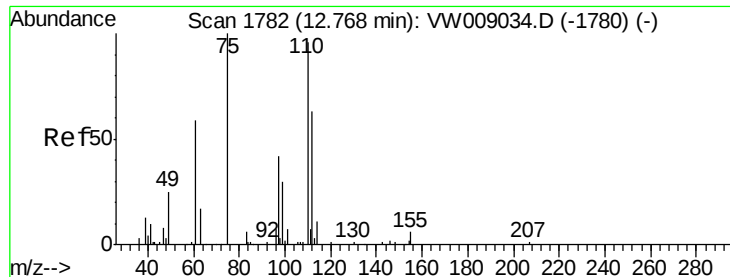
Tgt Ion:117 Resp: 350264
Ion Ratio Lower Upper
117 100
82 53.8 45.0 67.6
119 31.4 26.6 39.8



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.56 min Scan# 1912
Delta R.T. 0.00 min
Lab File: VW009128.D
Acq: 12 Mar 2019 17:13

Tgt Ion:152 Resp: 166064
Ion Ratio Lower Upper
152 100
115 56.6 28.9 86.7
150 155.1 0.0 349.2





#76

1,2,3-Trichloropropane

Concen: 66.415 ug/l

RT: 12.62 min Scan# 1758

Delta R.T. -0.15 min

Lab File: VW009128.D

Acq: 12 Mar 2019 17:13

Instrument :

MSVOA_W

ClientSampleId :

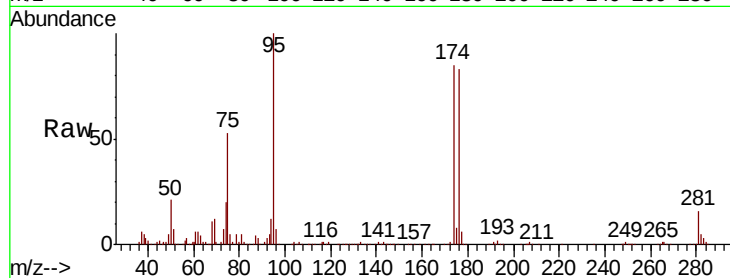
MR-MH-08-COMPRE

Tgt Ion: 75 Resp: 87139

Ion Ratio Lower Upper

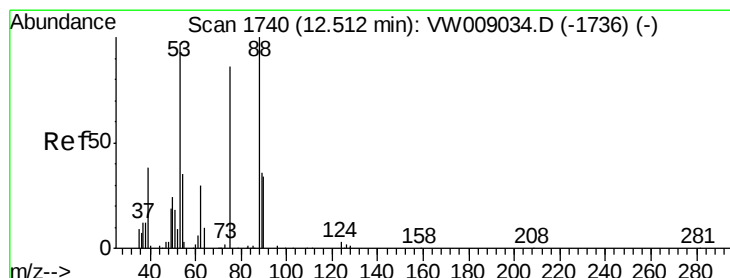
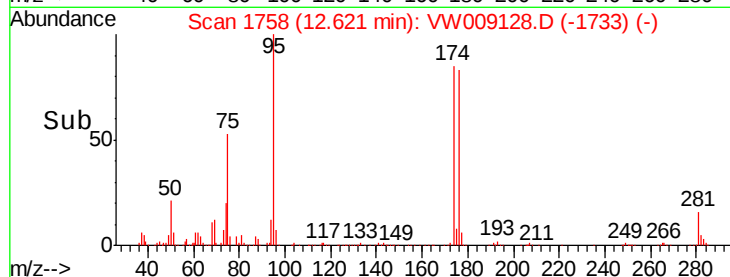
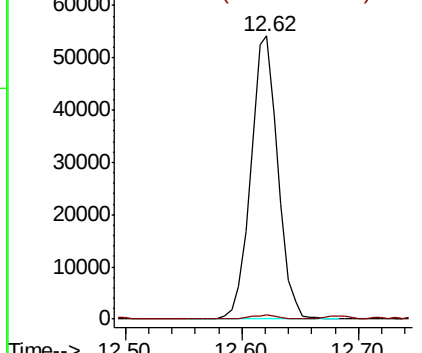
75 100

77 1.5 186.7 560.0#



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: 148.552 ug/l

RT: 12.62 min Scan# 1758

Delta R.T. 0.11 min

Lab File: VW009128.D

Acq: 12 Mar 2019 17:13

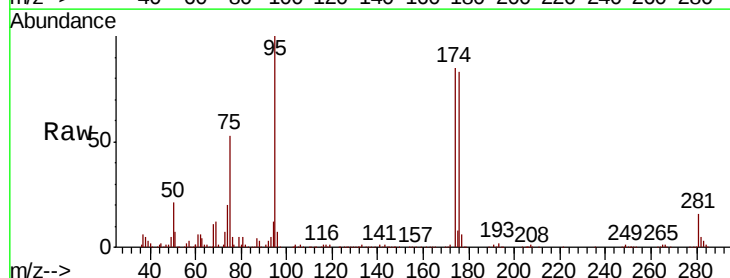
Tgt Ion: 75 Resp: 87139

Ion Ratio Lower Upper

75 100

53 0.1 90.5 135.7#

89 0.2 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

