

Data Path : Z:\voasrv\HPCHEM1\MSVOA W\Data\VW071718\
 Data File : VW003986.D
 Acq On : 17 Jul 2018 15:44
 Operator : VA/AP
 Sample : J3980-07RE
 Misc : 5.56G/5ML/MSVOA W/SOIL
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 TP-E-MH-DRE

Quant Time: Jul 17 16:04:47 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W071618S.M
 Quant Title : SW846 8260
 QLast Update : Tue Jul 17 11:52:50 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	125113	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.85	114	224087	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	212954	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.57	152	120758	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	96466	68.98	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	137.96%	
35) Dibromofluoromethane	7.88	113	80650	56.09	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	112.18%	
50) Toluene-d8	10.33	98	263608	47.25	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	94.50%	
62) 4-Bromofluorobenzene	12.62	95	111592	55.47	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	110.94%	

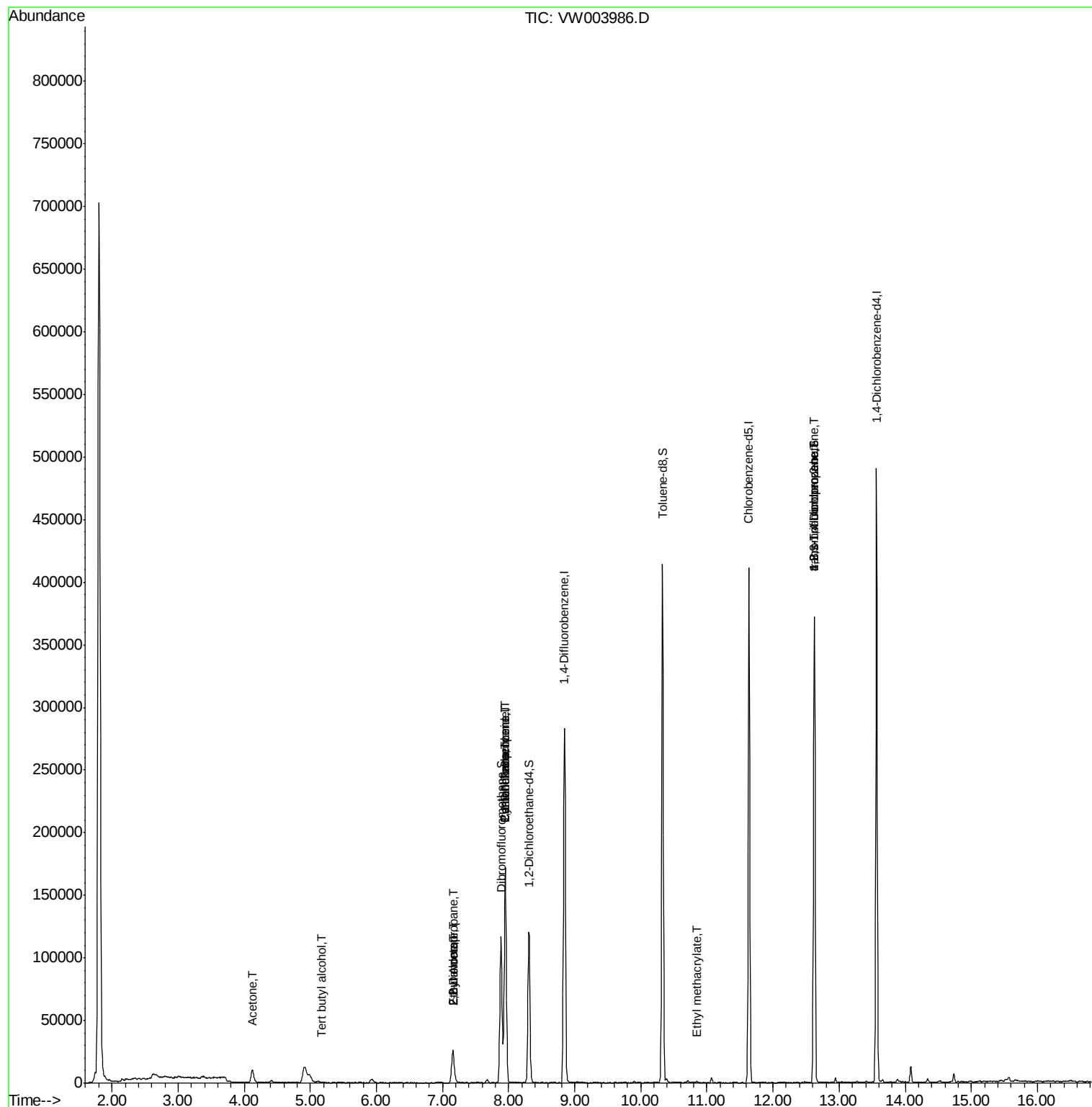
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
11) Tert butyl alcohol	5.17	59	99	1.03	ug/l #	72
16) Acetone	4.13	43	17812	53.00	ug/l	96
25) 2-Butanone	7.16	43	1414	3.13	ug/l #	51
26) 2,2-Dichloropropane	7.15	77	1840	1.30	ug/l #	52
31) Cyclohexane	7.95	56	3588	1.55	ug/l #	28
36) 1,1-Dichloropropene	7.95	75	10834	4.70	ug/l #	50
37) Ethyl Acetate	7.16	43	1414	1.27	ug/l #	1
38) Carbon Tetrachloride	7.95	117	12503	5.80	ug/l #	19
56) Ethyl methacrylate	10.84	69	23	2.96	ug/l #	1
76) 1,2,3-Trichloropropane	12.62	75	58931	49.16	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.62	75	58931	108.73	ug/l #	11

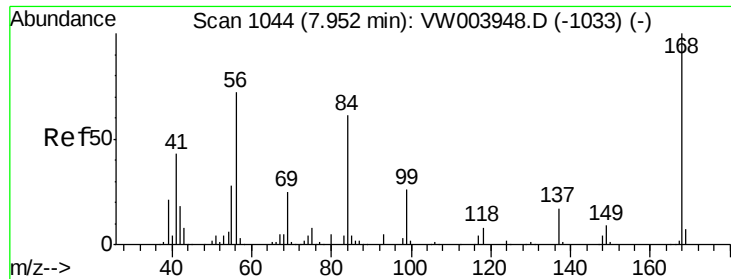
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
QLast Update : Tue Jul 17 11:52:50 2018
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 7.95 min Scan# 1044

Delta R.T. 0.00 min

Lab File: VW003986.D

Acq: 17 Jul 2018 15:44

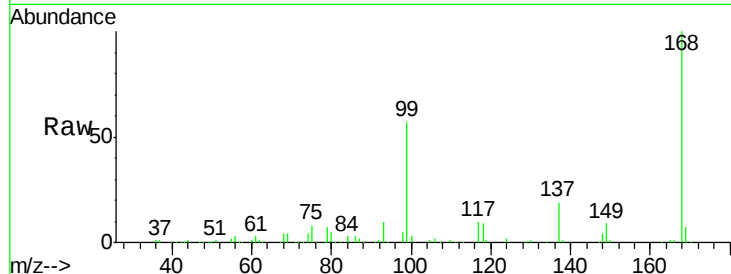
Instrument :
MSVOA_W
ClientSampleId :
TP-E-MH-DRE

Tot Ion:168 Resp: 125113

Ion Ratio Lower Upper

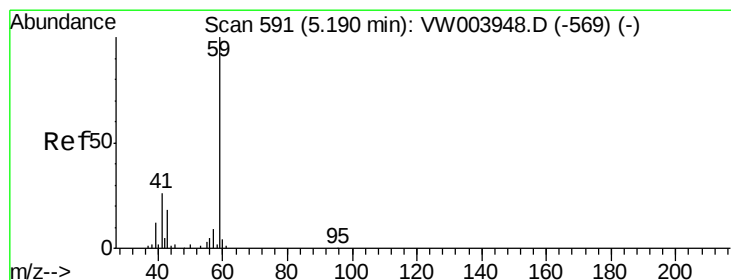
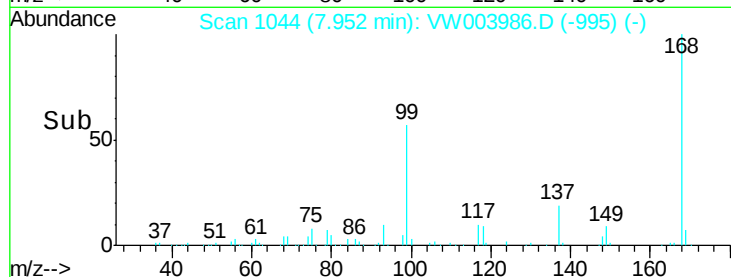
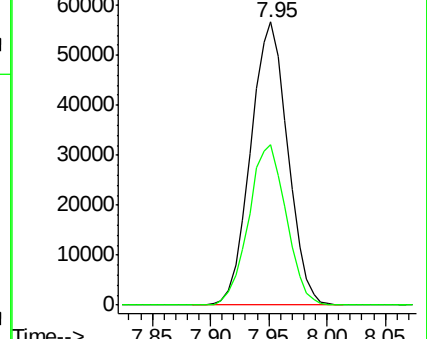
168 100

99 56.7 43.8 65.6



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW



#11

Tert butyl alcohol

Concen: 1.03 ug/l

RT: 5.17 min Scan# 587

Delta R.T. -0.02 min

Lab File: VW003986.D

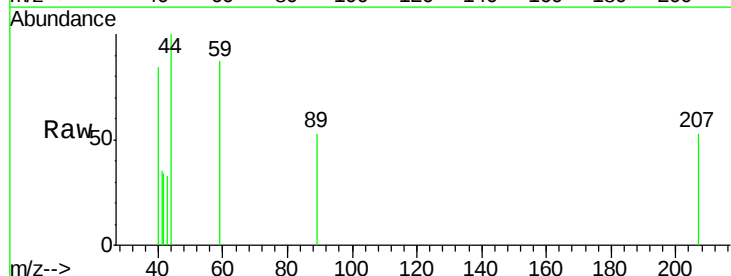
Acq: 17 Jul 2018 15:44

Tgt Ion: 59 Resp: 99

Ion Ratio Lower Upper

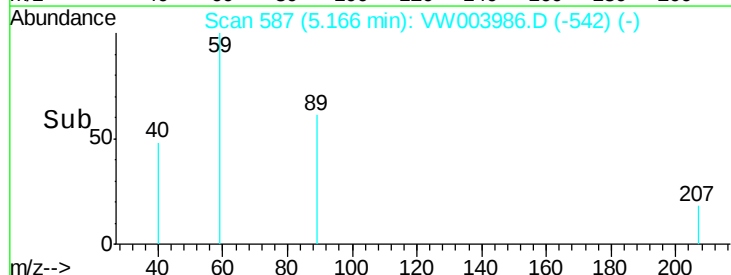
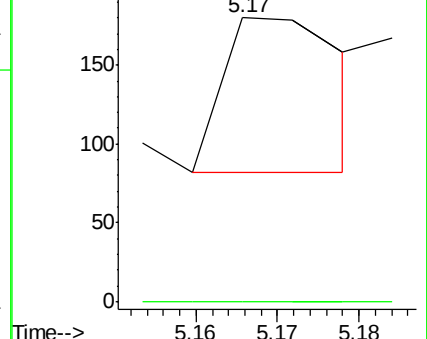
59 100

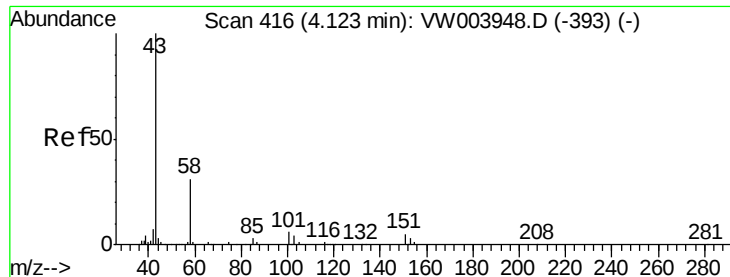
57 0.0 8.5 12.7#



Abundance Ion 59.00 (58.70 to 59.70): VW

Ion 57.00 (56.70 to 57.70): VW





#16

Acetone

Concen: 53.00 ug/l

RT: 4.13 min Scan# 417

Delta R.T. 0.01 min

Lab File: VW003986.D

Acq: 17 Jul 2018 15:44

Instrument :

MSVOA_W

ClientSampleId :

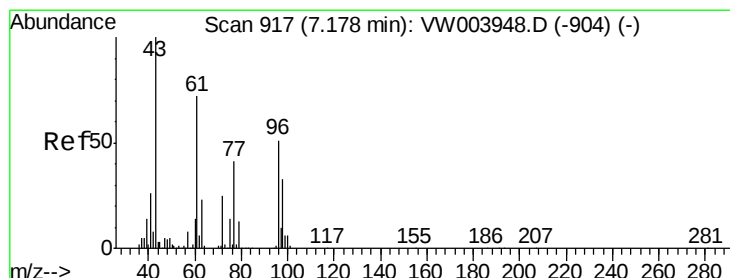
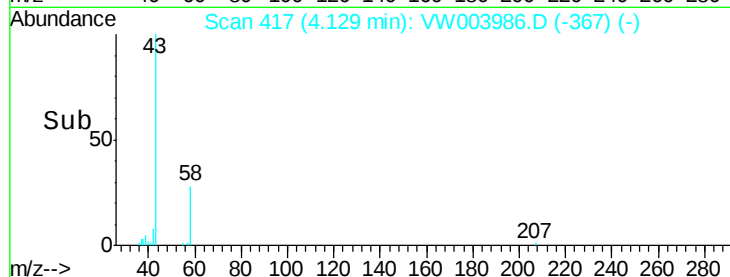
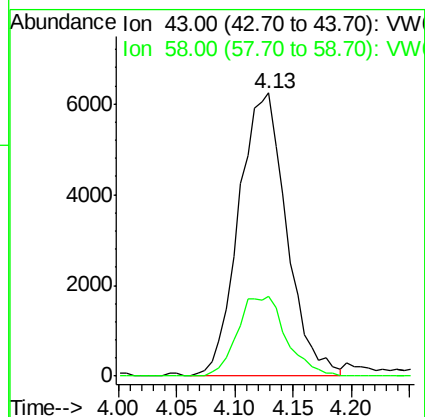
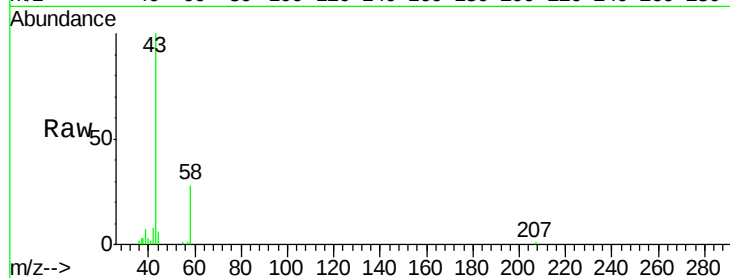
TP-E-MH-DRE

Tot Ion: 43 Resp: 17812

Ion Ratio Lower Upper

43 100

58 28.3 24.5 36.7



#25

2-Butanone

Concen: 3.13 ug/l

RT: 7.16 min Scan# 914

Delta R.T. -0.02 min

Lab File: VW003986.D

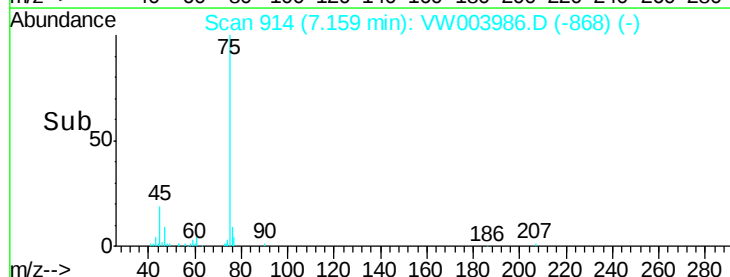
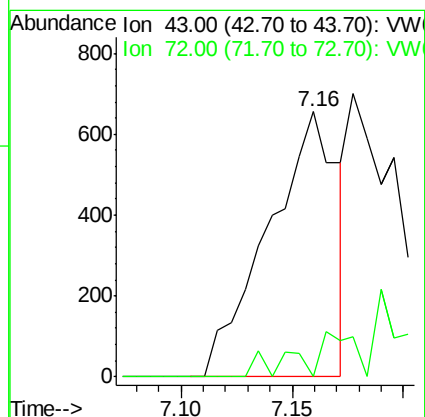
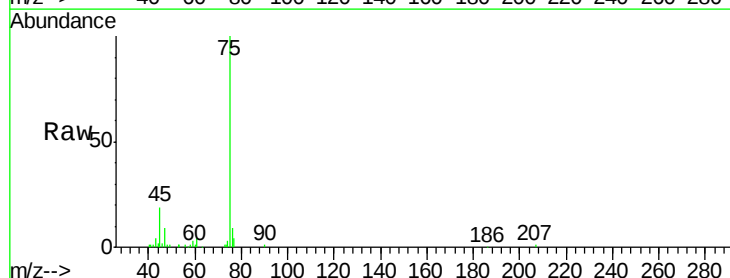
Acq: 17 Jul 2018 15:44

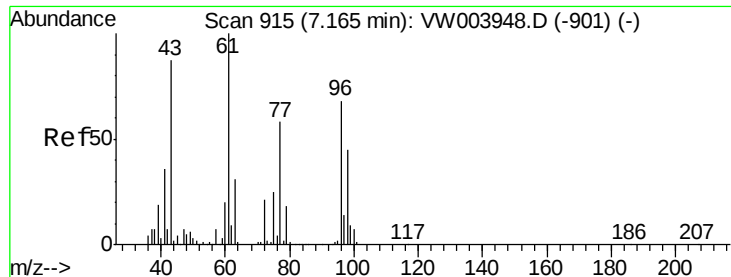
Tgt Ion: 43 Resp: 1414

Ion Ratio Lower Upper

43 100

72 0.0 19.8 29.6#





#26

2,2-Dichloropropane

Concen: 1.30 ug/l

RT: 7.15 min Scan# 913

Delta R.T. -0.01 min

Lab File: VW003986.D

Acq: 17 Jul 2018 15:44

Instrument :

MSVOA_W

ClientSampled :

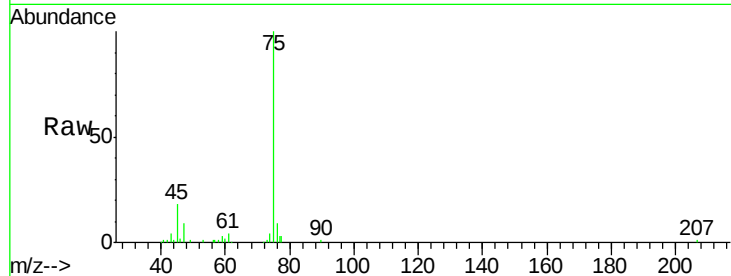
TP-E-MH-DRE

Tot Ion: 77 Resp: 1840

Ion Ratio Lower Upper

77 100

97 0.0 11.8 35.3#



Abundance Ion 76.90 (76.60 to 77.60): VW

Ion 96.90 (96.60 to 97.60): VW

7.15

1000

800

600

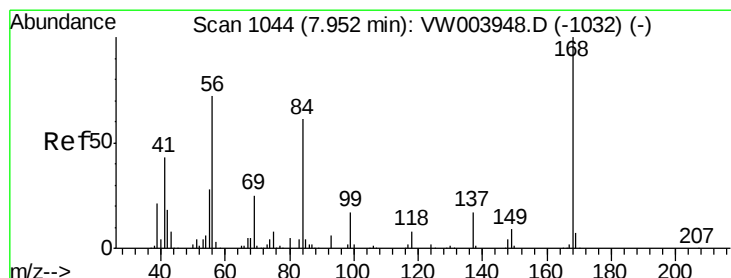
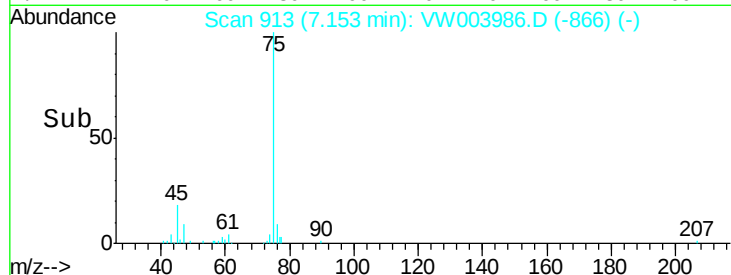
400

200

0

7.10 7.15 7.20

Time-->



#31

Cyclohexane

Concen: 1.55 ug/l

RT: 7.95 min Scan# 1043

Delta R.T. -0.01 min

Lab File: VW003986.D

Acq: 17 Jul 2018 15:44

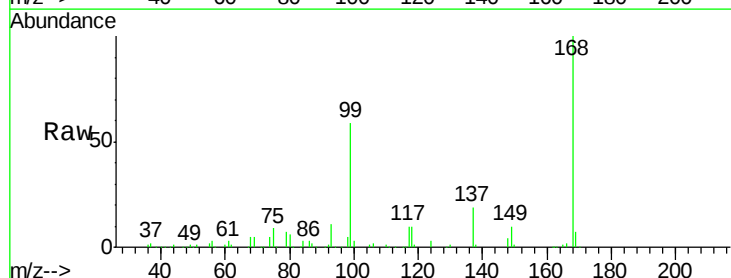
Tgt Ion: 56 Resp: 3588

Ion Ratio Lower Upper

56 100

69 155.0 27.8 41.8#

84 98.9 67.2 100.8



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

3000

2500

2000

1500

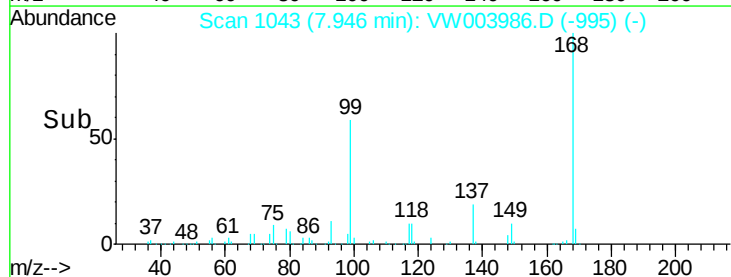
1000

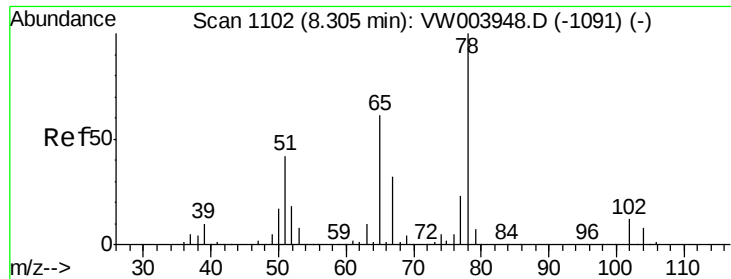
500

0

7.85 7.90 7.95 8.00

Time-->

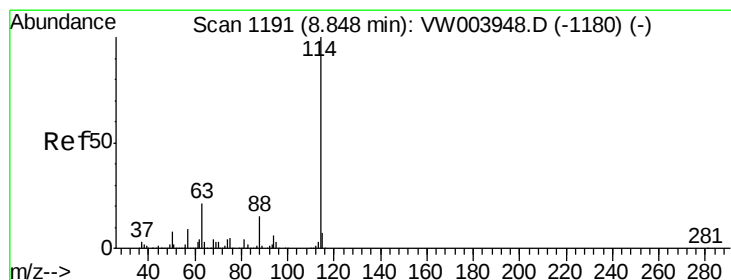
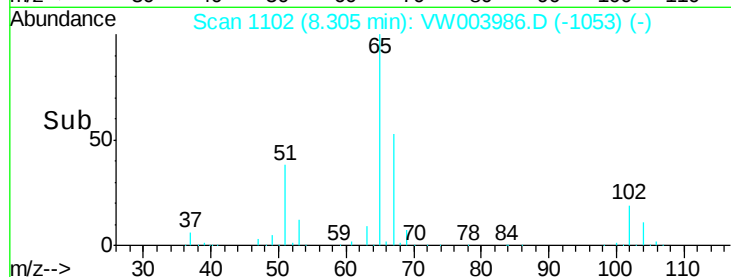
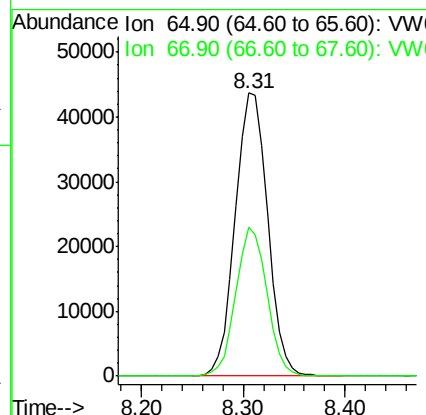
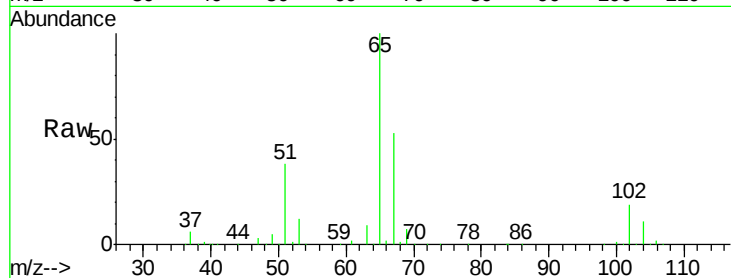




#33
 1,2-Dichloroethane-d4
 Concen: 68.98 ug/l
 RT: 8.31 min Scan# 1102
 Delta R.T. 0.00 min
 Lab File: VW003986.D
 Acq: 17 Jul 2018 15:44

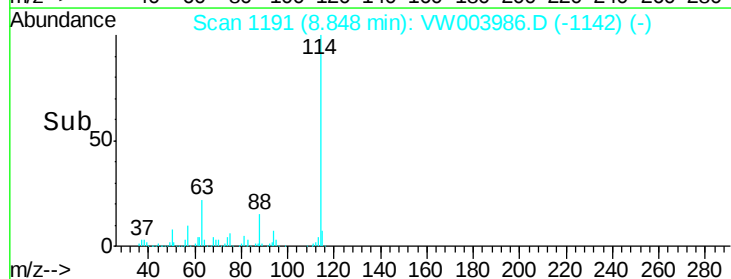
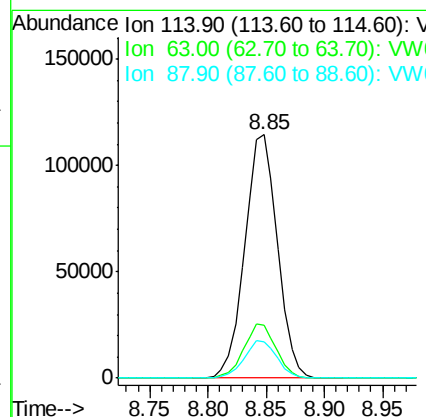
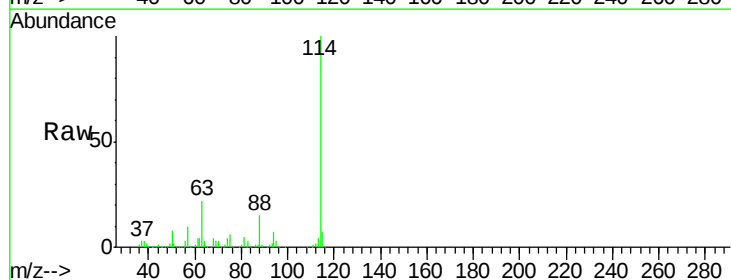
Instrument :
 MSVOA_W
 ClientSampleId :
 TP-E-MH-DRE

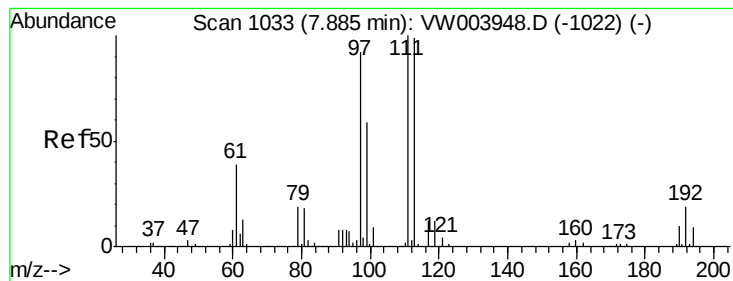
Tot Ion: 65 Resp: 96466
 Ion Ratio Lower Upper
 65 100
 67 50.6 0.0 105.0



#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 8.85 min Scan# 1191
 Delta R.T. 0.00 min
 Lab File: VW003986.D
 Acq: 17 Jul 2018 15:44

Tgt Ion: 114 Resp: 224087
 Ion Ratio Lower Upper
 114 100
 63 21.7 0.0 42.8
 88 15.0 0.0 30.4





#35

Dibromofluoromethane

Concen: 56.09 ug/l

RT: 7.88 min Scan# 1033

Delta R.T. 0.00 min

Lab File: VW003986.D

Acq: 17 Jul 2018 15:44

Instrument :

MSVOA_W

ClientSampleId :

TP-E-MH-DRE

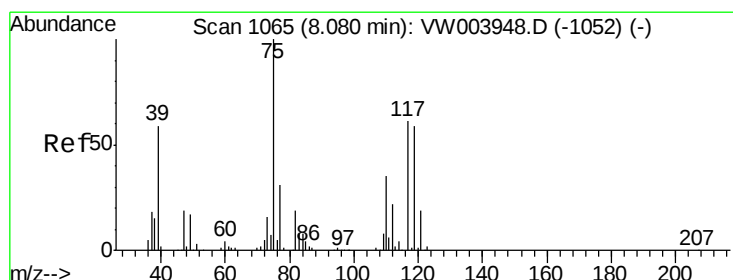
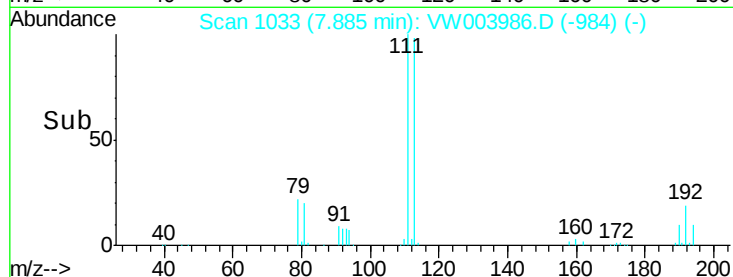
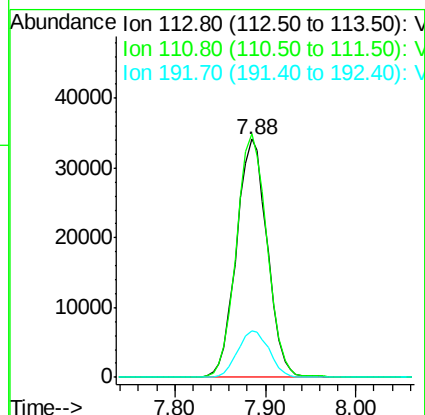
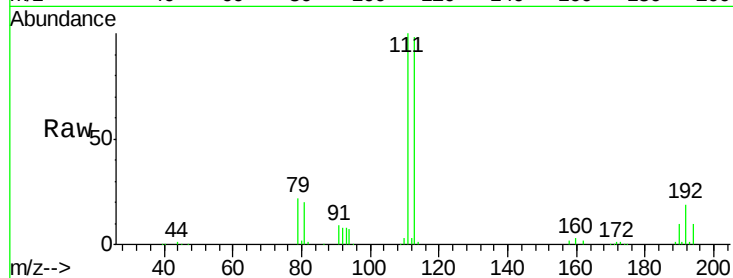
Tot Ion:113 Resp: 80650

Ion Ratio Lower Upper

113 100

111 101.5 81.3 121.9

192 19.9 15.8 23.6



#36

1,1-Dichloropropene

Concen: 4.70 ug/l

RT: 7.95 min Scan# 1043

Delta R.T. -0.13 min

Lab File: VW003986.D

Acq: 17 Jul 2018 15:44

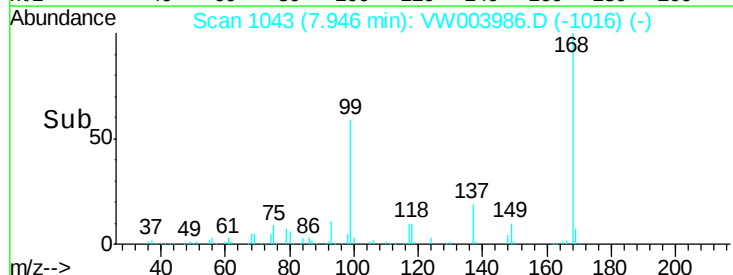
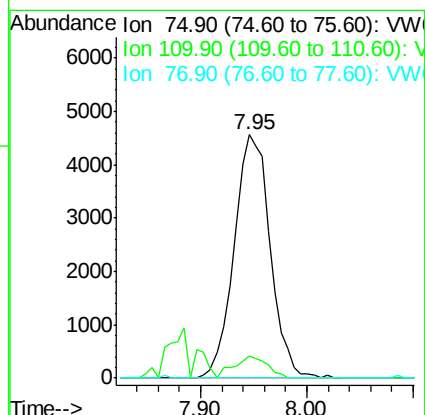
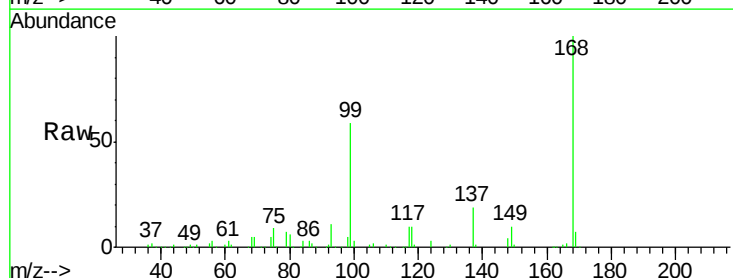
Tgt Ion: 75 Resp: 10834

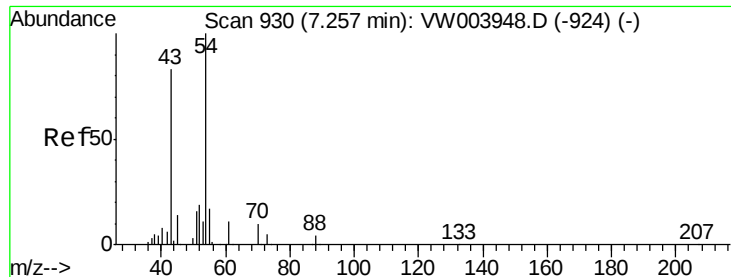
Ion Ratio Lower Upper

75 100

110 8.5 17.0 51.0#

77 0.0 24.9 37.3#





#37

Ethyl Acetate

Concen: 1.27 ug/l

RT: 7.16 min Scan# 914

Delta R.T. -0.10 min

Lab File: VW003986.D

Acq: 17 Jul 2018 15:44

Instrument :

MSVOA_W

ClientSampleId :

TP-E-MH-DRE

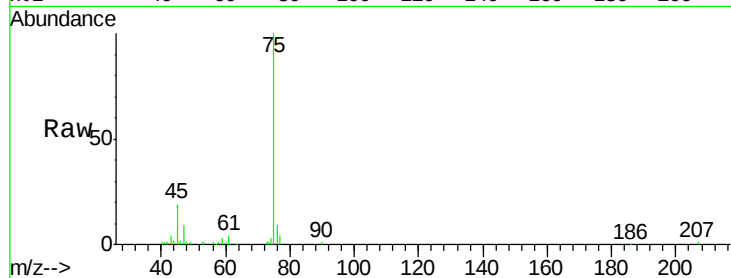
Tot Ion: 43 Resp: 1414

Ion Ratio Lower Upper

43 100

61 121.1 10.7 16.1#

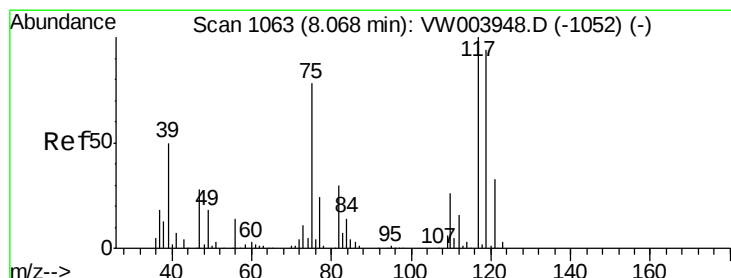
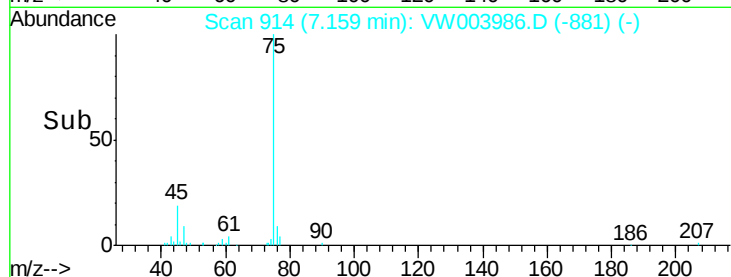
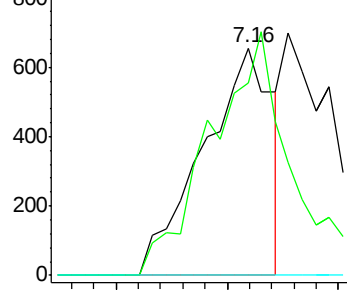
70 0.0 7.7 11.5#



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 60.90 (60.60 to 61.60): VW

Ion 70.00 (69.70 to 70.70): VW



#38

Carbon Tetrachloride

Concen: 5.80 ug/l

RT: 7.95 min Scan# 1044

Delta R.T. -0.12 min

Lab File: VW003986.D

Acq: 17 Jul 2018 15:44

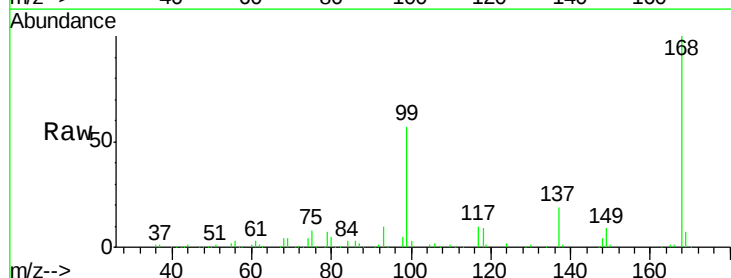
Tgt Ion: 117 Resp: 12503

Ion Ratio Lower Upper

117 100

119 8.4 75.3 112.9#

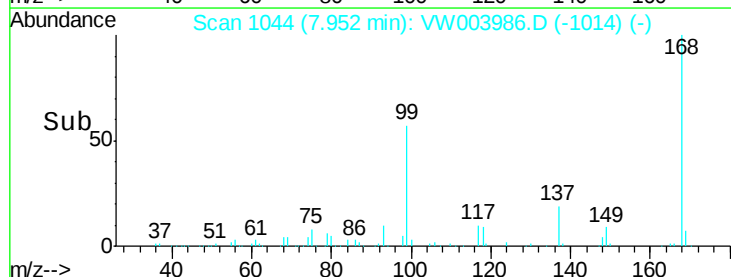
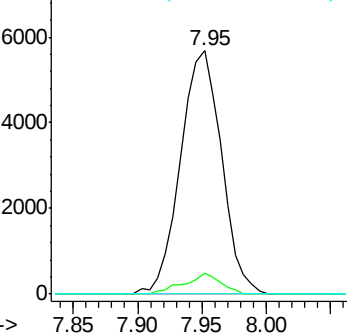
121 0.0 26.0 39.0#

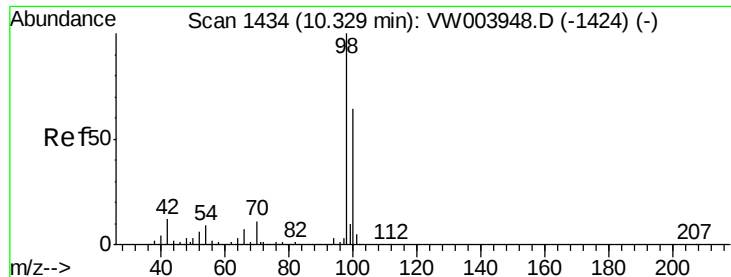


Abundance Ion 116.80 (116.50 to 117.50): V

Ion 118.80 (118.50 to 119.50): V

Ion 120.80 (120.50 to 121.50): V





#50

Toluene-d8

Concen: 47.25 ug/l

RT: 10.33 min Scan# 1434

Delta R.T. 0.00 min

Lab File: VW003986.D

Acq: 17 Jul 2018 15:44

Instrument :

MSVOA_W

ClientSampleId :

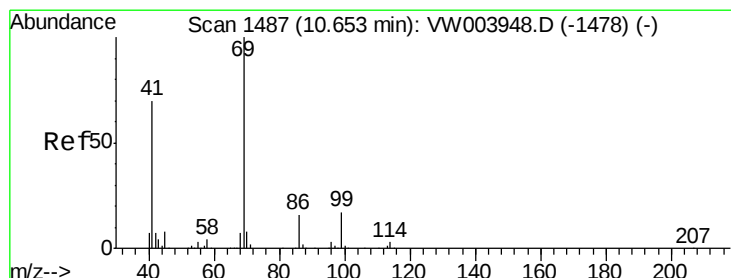
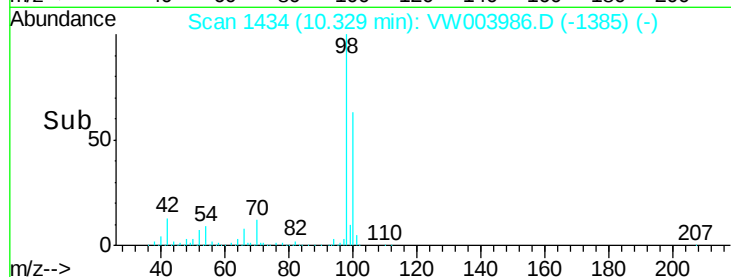
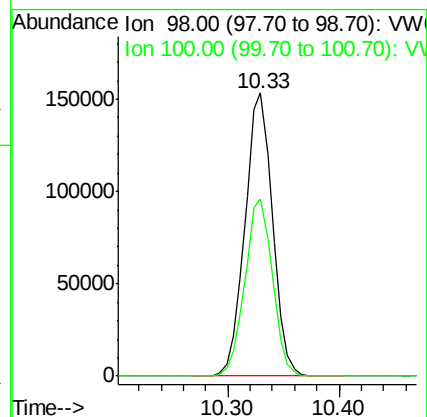
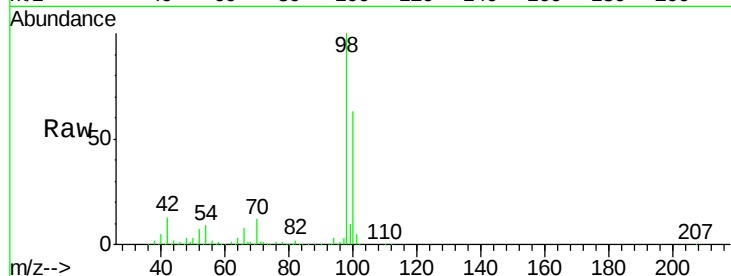
TP-E-MH-DRE

Tot Ion: 98 Resp: 263608

Ion Ratio Lower Upper

98 100

100 62.4 51.2 76.8



#56

Ethyl methacrylate

Concen: 2.96 ug/l

RT: 10.84 min Scan# 1517

Delta R.T. 0.18 min

Lab File: VW003986.D

Acq: 17 Jul 2018 15:44

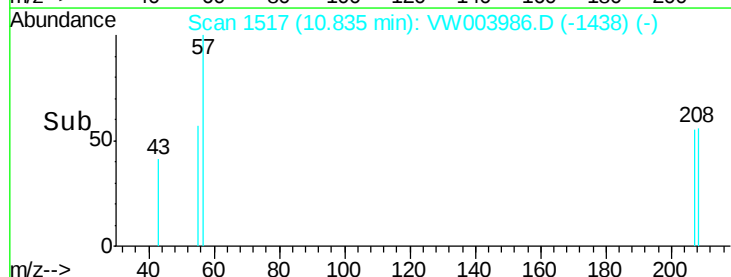
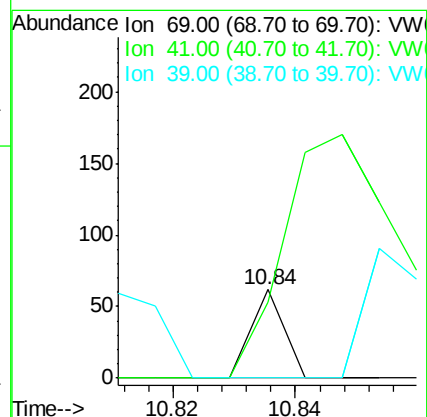
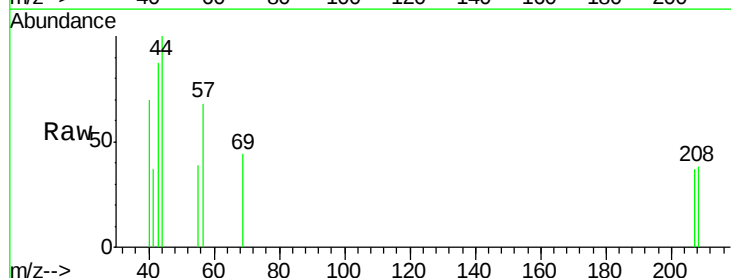
Tgt Ion: 69 Resp: 23

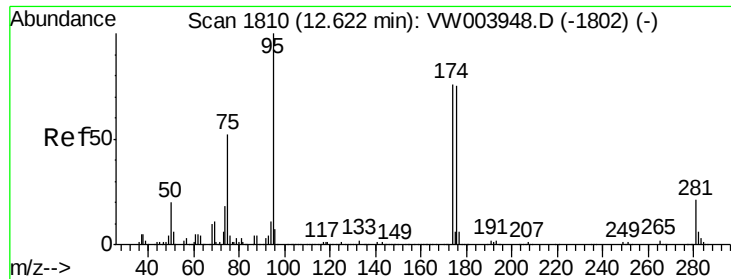
Ion Ratio Lower Upper

69 100

41 1017.4 56.5 84.7#

39 256.5 30.2 45.4#

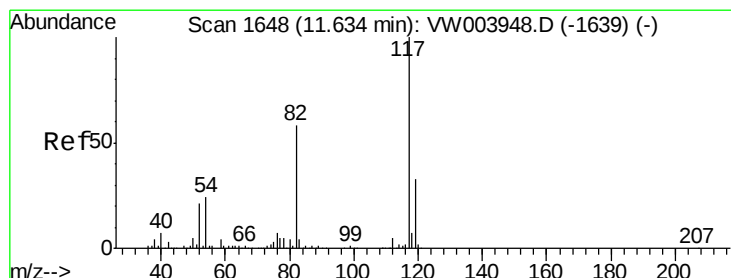
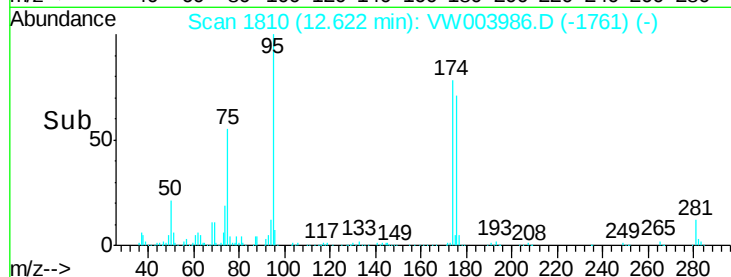
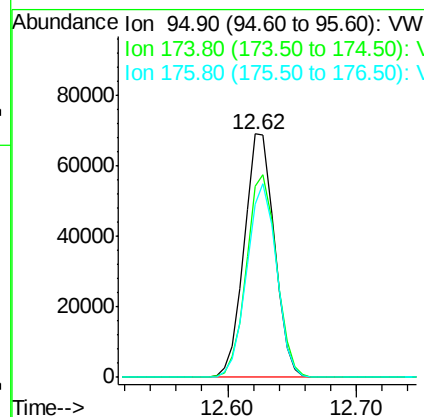
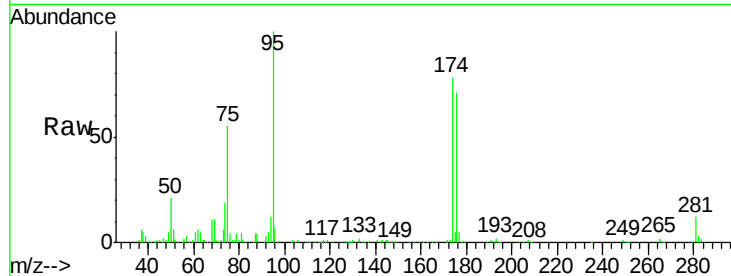




#62
4-Bromofluorobenzene
Concen: 55.47 ug/l
RT: 12.62 min Scan# 1810
Delta R.T. 0.00 min
Lab File: VW003986.D
Acq: 17 Jul 2018 15:44

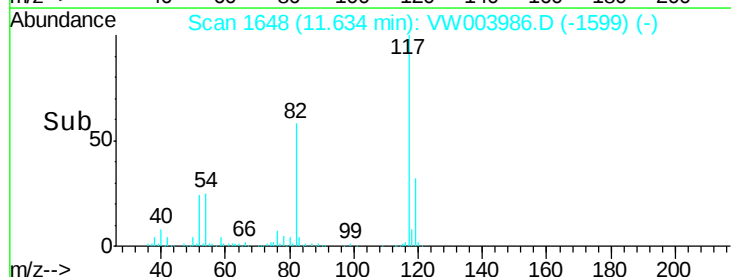
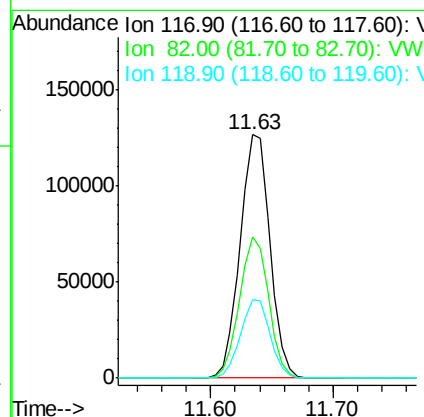
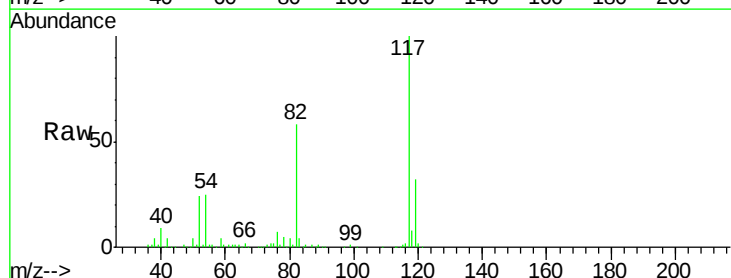
Instrument :
MSVOA_W
ClientSampleId :
TP-E-MH-DRE

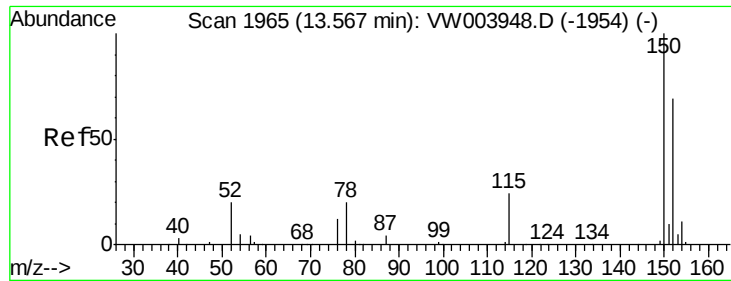
Tot Ion: 95 Resp: 111592
Ion Ratio Lower Upper
95 100
174 82.6 0.0 160.2
176 78.2 0.0 155.8



#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 11.63 min Scan# 1648
Delta R.T. -0.00 min
Lab File: VW003986.D
Acq: 17 Jul 2018 15:44

Tgt Ion: 117 Resp: 212954
Ion Ratio Lower Upper
117 100
82 58.1 46.5 69.7
119 32.2 26.2 39.2





#72

1,4-Dichlorobenzene-d4

Concen: 50.00 ug/l

RT: 13.57 min Scan# 1965

Delta R.T. 0.00 min

Lab File: VW003986.D

Acq: 17 Jul 2018 15:44

Instrument :

MSVOA_W

ClientSampleId :

TP-E-MH-DRE

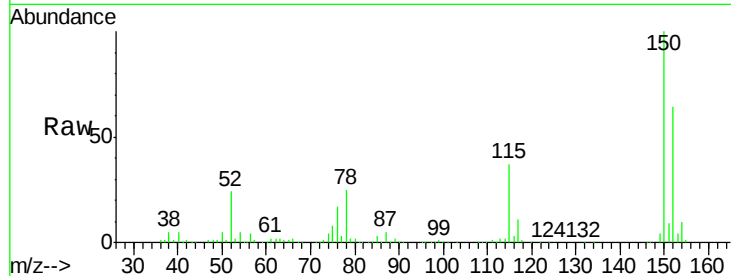
Tot Ion:152 Resp: 120758

Ion Ratio Lower Upper

152 100

115 58.8 29.2 87.6

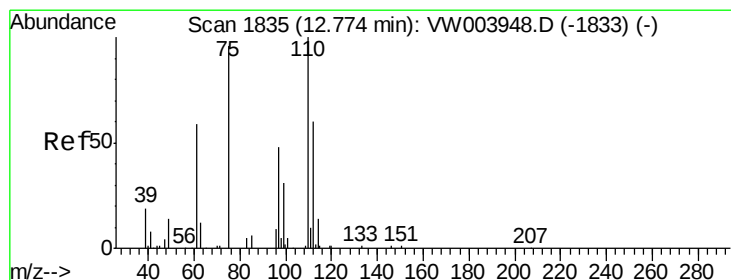
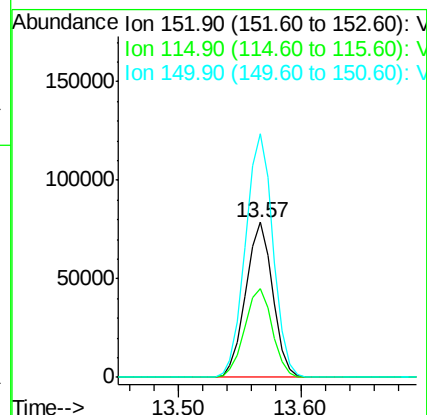
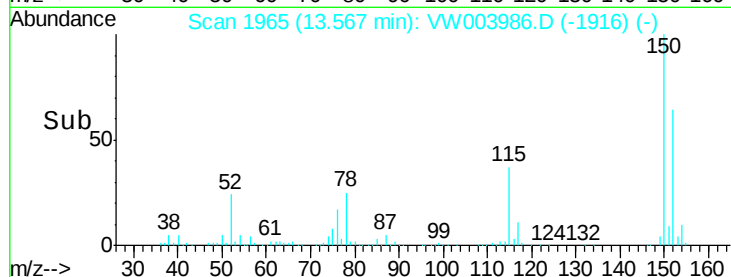
150 159.9 0.0 345.2



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: 49.16 ug/l

RT: 12.62 min Scan# 1810

Delta R.T. -0.15 min

Lab File: VW003986.D

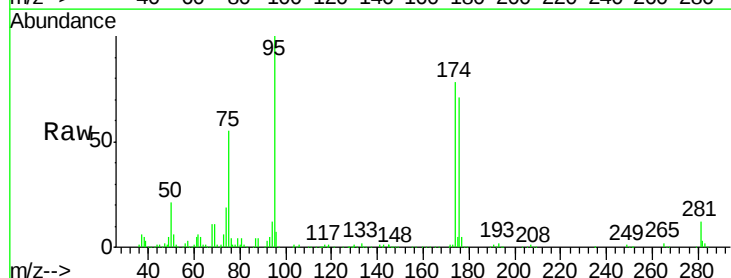
Acq: 17 Jul 2018 15:44

Tgt Ion: 75 Resp: 58931

Ion Ratio Lower Upper

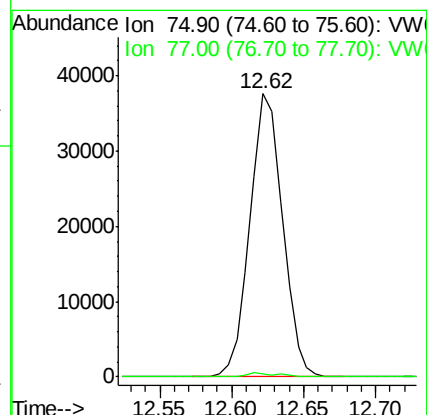
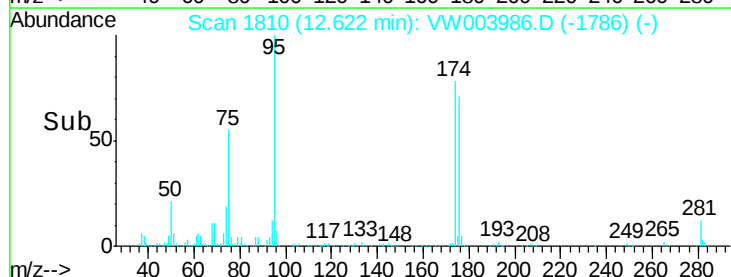
75 100

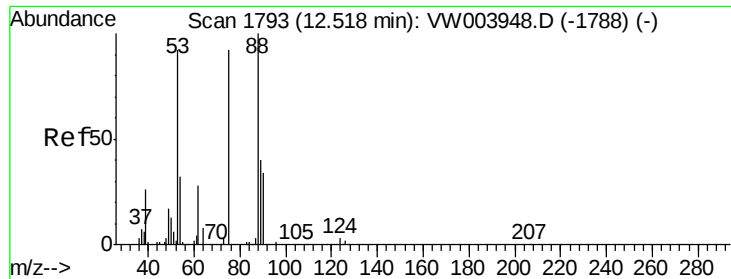
77 1.6 0.0 0.0#



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: 108.73 ug/l
 RT: 12.62 min Scan# 1810
 Delta R.T. 0.10 min
 Lab File: VW003986.D
 Acq: 17 Jul 2018 15:44

Instrument :
 MSVOA_W
 ClientSampleId :
 TP-E-MH-DRE

Tot Ion: 75 Resp: 58931
 Ion Ratio Lower Upper
 75 100
 53 0.3 77.6 116.4#
 89 0.1 36.6 54.8#

