

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW071718\
 Data File : VW003995.D
 Acq On : 17 Jul 2018 19:39
 Operator : VA/AP
 Sample : J3997-07
 Misc : 6.85G/5ML/MSVOA W/SOIL
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 TP-F-D

Quant Time: Jul 18 04:51:15 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W071618S.M
 Quant Title : SW846 8260
 QLast Update : Mon Jul 16 15:06:12 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	157772	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.85	114	274490	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	263333	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.57	152	124948	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	111690	63.33	ug/l	0.00
Spiked Amount			Recovery	=	126.66%	
35) Dibromofluoromethane	7.88	113	94151	53.46	ug/l	0.00
Spiked Amount			Recovery	=	106.92%	
50) Toluene-d8	10.33	98	315277	46.13	ug/l	0.00
Spiked Amount			Recovery	=	92.26%	
62) 4-Bromofluorobenzene	12.63	95	107951	43.81	ug/l	0.00
Spiked Amount			Recovery	=	87.62%	

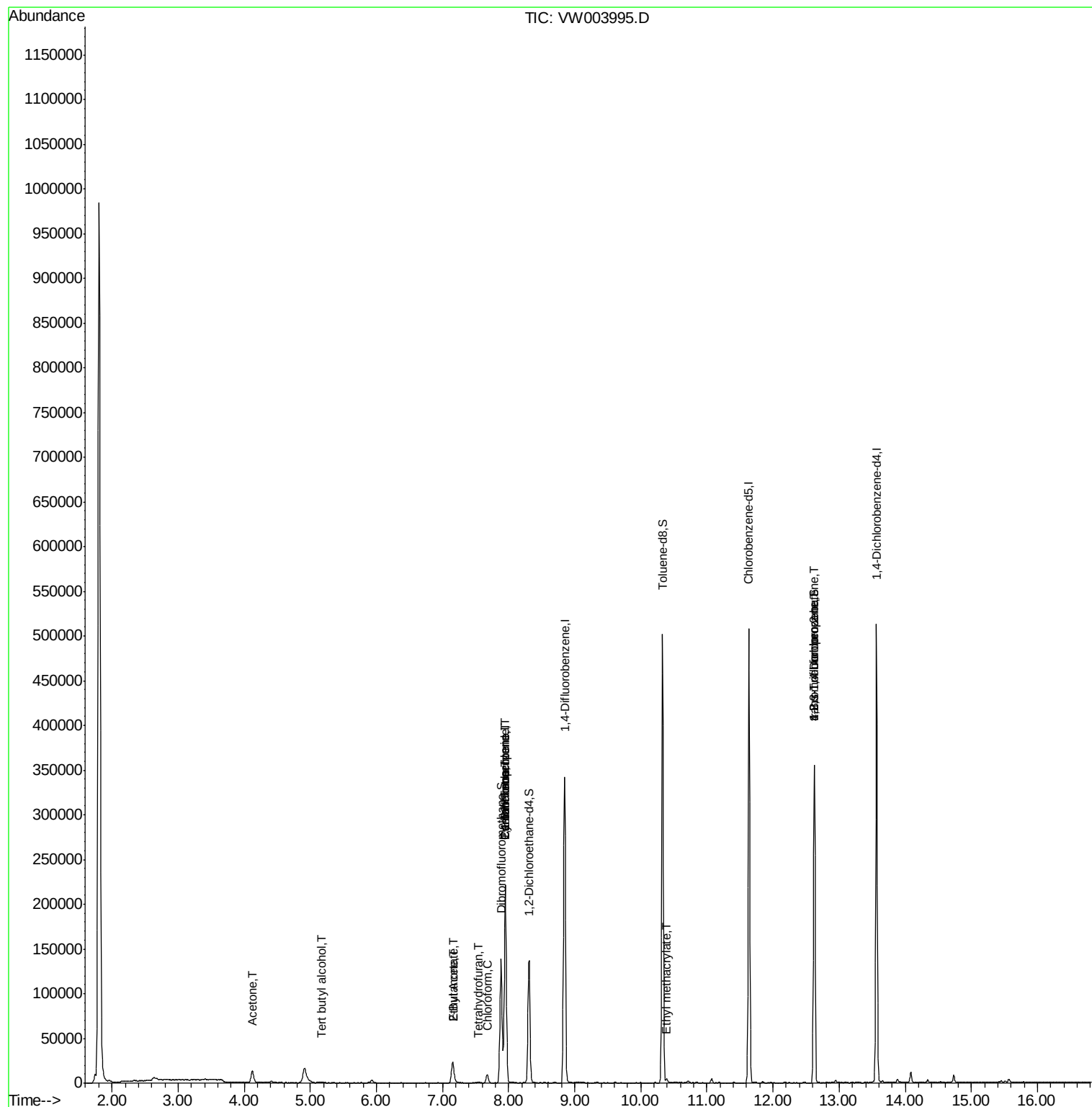
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
11) Tert butyl alcohol	5.17	59	145	1.191	ug/l #	72
16) Acetone	4.12	43	23549	55.568	ug/l	97
25) 2-Butanone	7.17	43	2453	4.301	ug/l #	84
29) Tetrahydrofuran	7.54	42	379	1.067	ug/l #	60
30) Chloroform	7.68	83	8262	2.661	ug/l	95
31) Cyclohexane	7.95	56	3992	1.364	ug/l #	1
36) 1,1-Dichloropropene	7.95	75	13956	4.942	ug/l #	49
37) Ethyl Acetate	7.17	43	2453	1.801	ug/l #	70
38) Carbon Tetrachloride	7.95	117	16063	6.087	ug/l #	17
56) Ethyl methacrylate	10.38	69	19	2.955	ug/l #	1
76) 1,2,3-Trichloropropane	12.62	75	56934	45.898	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.62	75	56934	101.525	ug/l #	11

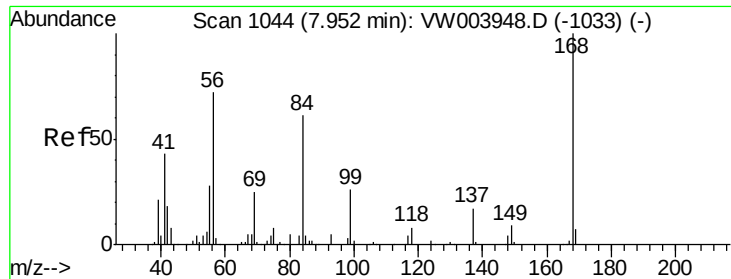
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.95 min Scan# 1044

Delta R.T. 0.00 min

Lab File: VW003995.D

Acq: 17 Jul 2018 19:39

Instrument :

MSVOA_W

ClientSampled :

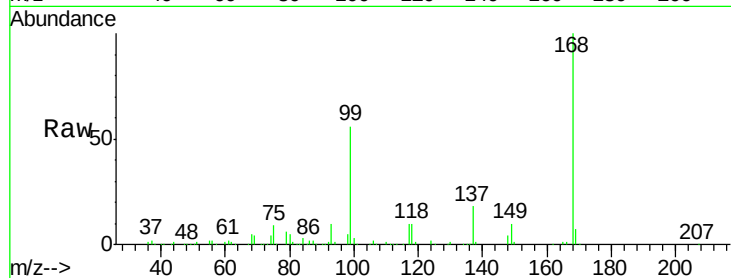
TP-F-D

Tot Ion:168 Resp: 157772

Ion Ratio Lower Upper

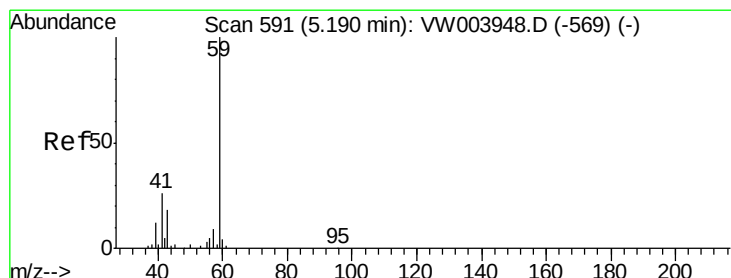
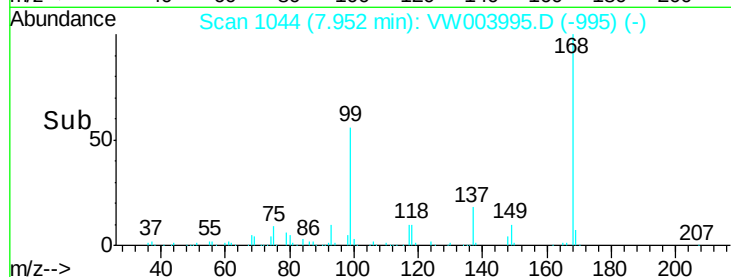
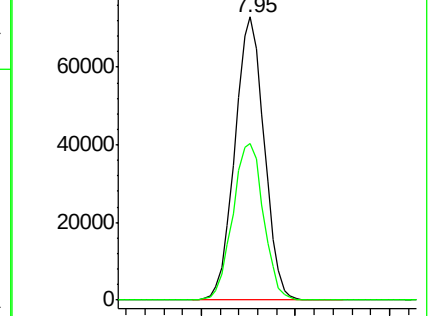
168 100

99 55.5 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: 1.191 ug/l

RT: 5.17 min Scan# 588

Delta R.T. -0.02 min

Lab File: VW003995.D

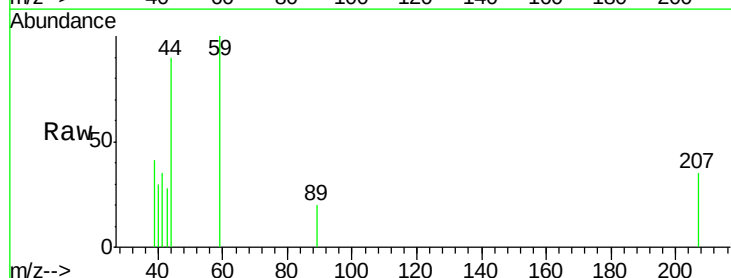
Acq: 17 Jul 2018 19:39

Tgt Ion: 59 Resp: 145

Ion Ratio Lower Upper

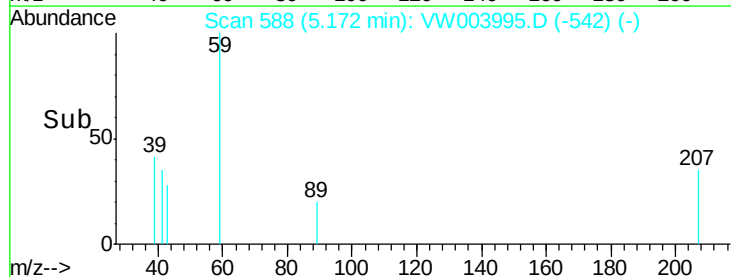
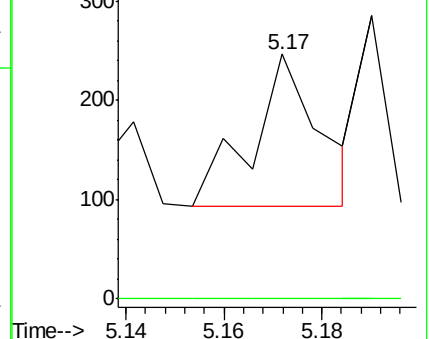
59 100

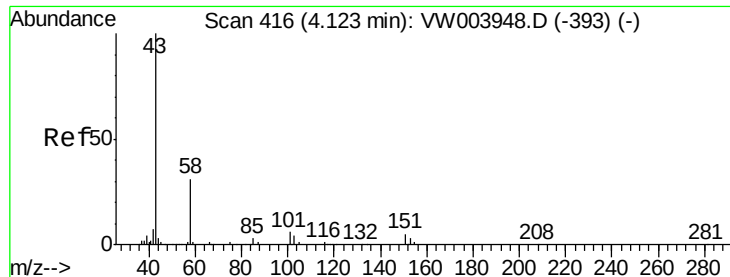
57 0.0 8.5 12.7#



Abundance Ion 59.00 (58.70 to 59.70): VW

Ion 57.00 (56.70 to 57.70): VW





#16

Acetone

Concen: 55.568 ug/l

RT: 4.12 min Scan# 416

Delta R.T. 0.00 min

Lab File: VW003995.D

Acq: 17 Jul 2018 19:39

Instrument :

MSVOA_W

ClientSampleId :

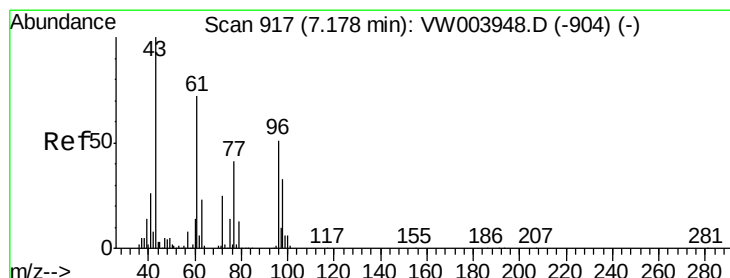
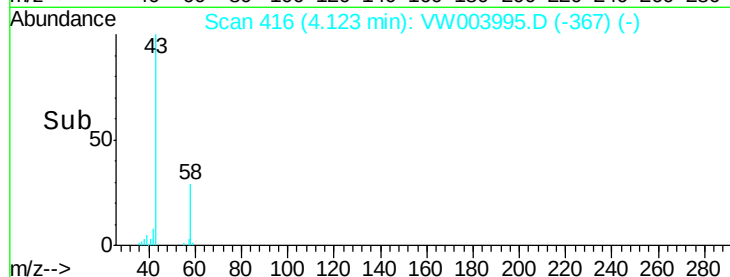
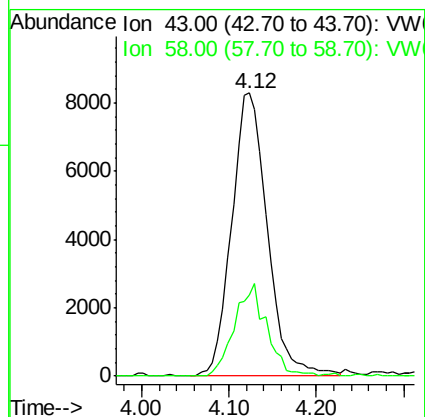
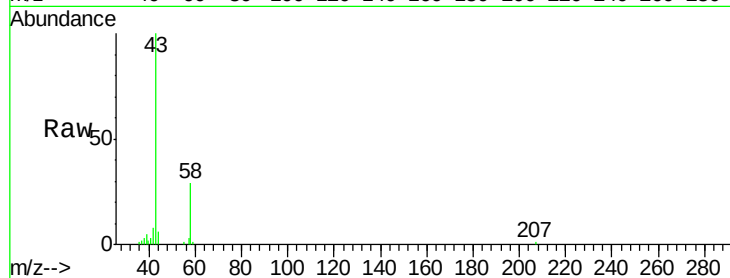
TP-F-D

Tot Ion: 43 Resp: 23549

Ion Ratio Lower Upper

43 100

58 28.8 24.5 36.7



#25

2-Butanone

Concen: 4.301 ug/l

RT: 7.17 min Scan# 916

Delta R.T. -0.01 min

Lab File: VW003995.D

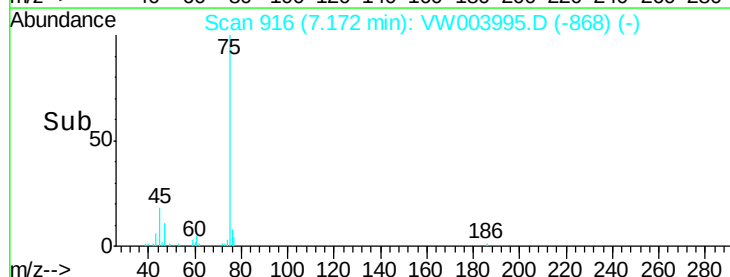
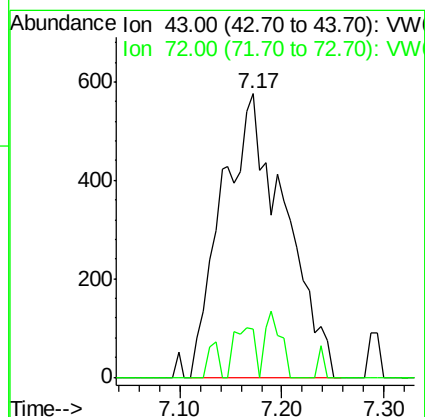
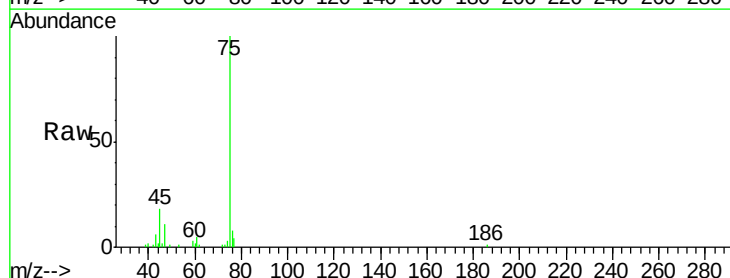
Acq: 17 Jul 2018 19:39

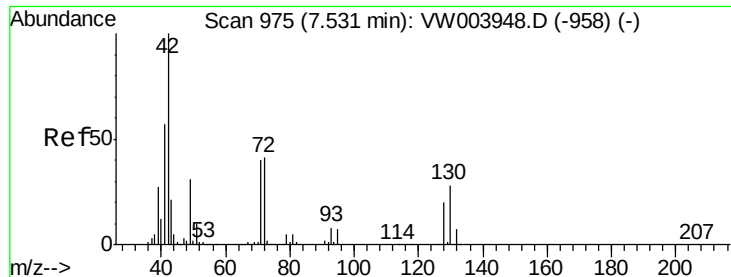
Tgt Ion: 43 Resp: 2453

Ion Ratio Lower Upper

43 100

72 16.8 19.8 29.6#

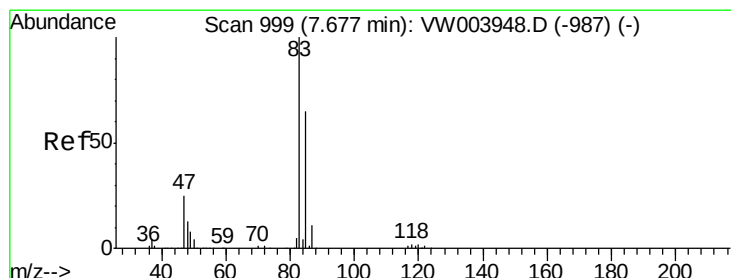
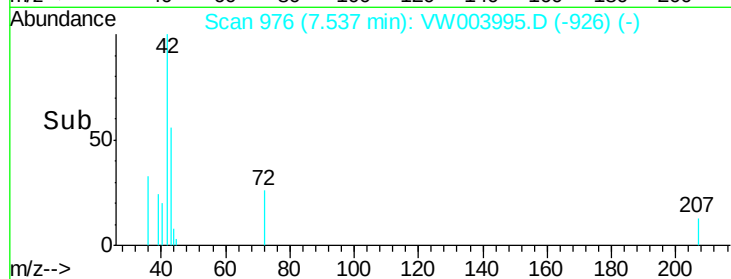
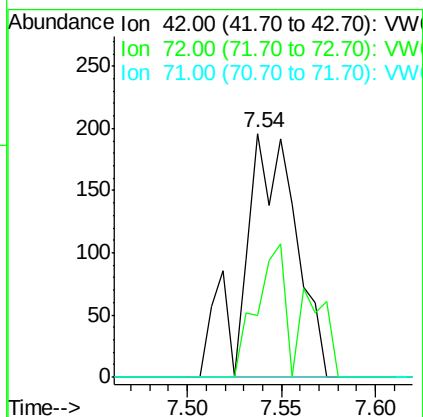
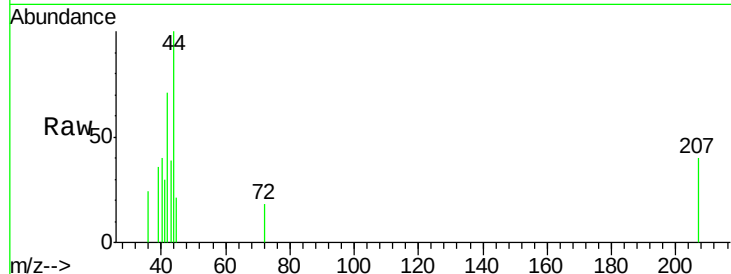




#29
Tetrahydrofuran
Concen: 1.067 ug/l
RT: 7.54 min Scan# 976
Delta R.T. 0.01 min
Lab File: VW003995.D
Acq: 17 Jul 2018 19:39

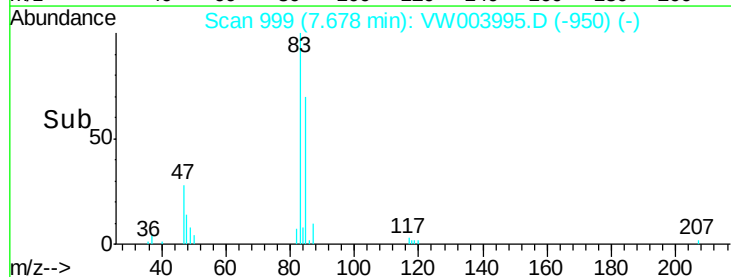
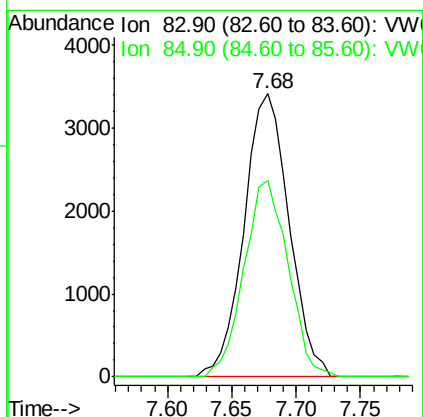
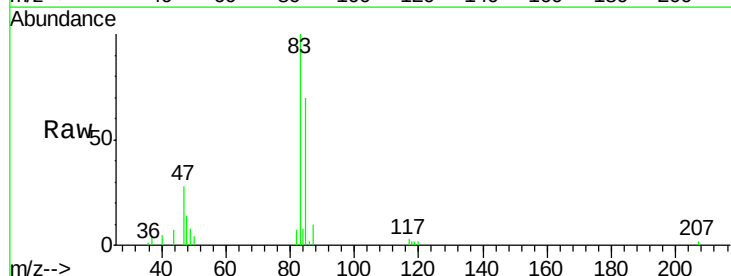
Instrument :
MSVOA_W
ClientSampleId :
TP-F-D

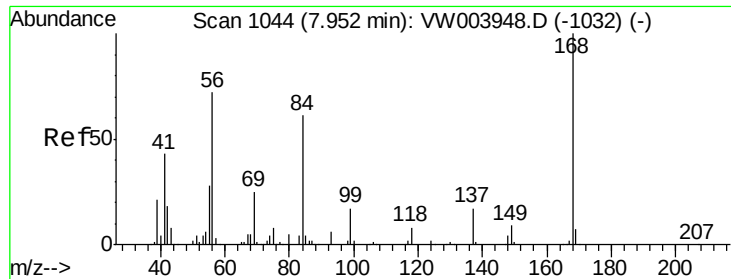
Tot Ion: 42 Resp: 379
Ion Ratio Lower Upper
42 100
72 29.3 32.6 48.8#
71 0.0 30.5 45.7#



#30
Chloroform
Concen: 2.661 ug/l
RT: 7.68 min Scan# 999
Delta R.T. 0.00 min
Lab File: VW003995.D
Acq: 17 Jul 2018 19:39

Tgt Ion: 83 Resp: 8262
Ion Ratio Lower Upper
83 100
85 69.6 52.2 78.4

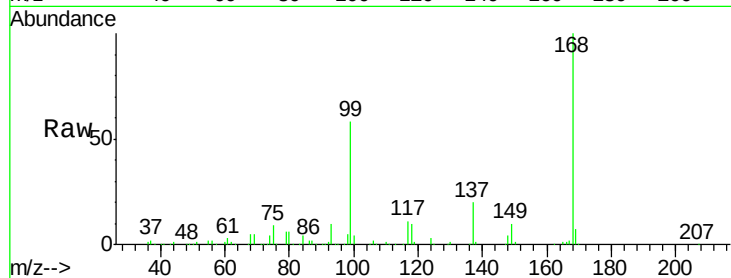




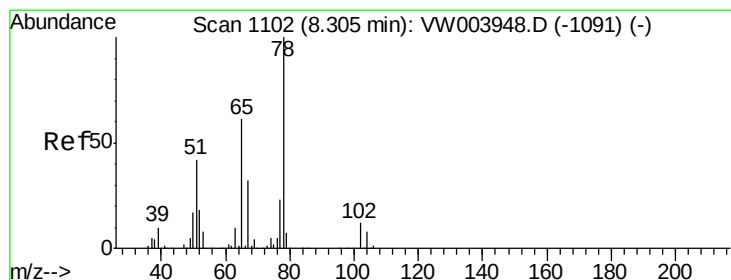
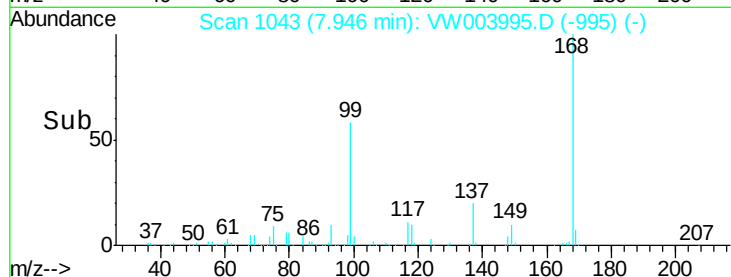
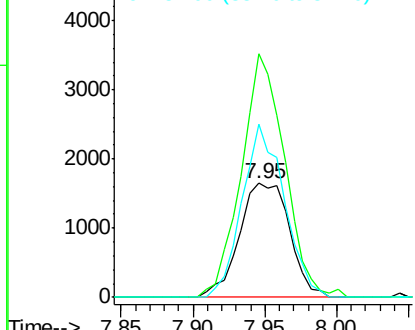
#31
Cyclohexane
Concen: 1.364 ug/l
RT: 7.95 min Scan# 1043
Delta R.T. -0.01 min
Lab File: VW003995.D
Acq: 17 Jul 2018 19:39

Instrument :
MSVOA_W
ClientSampled :
TP-F-D

Tot Ion: 56 Resp: 3992
Ion Ratio Lower Upper
56 100
69 213.4 27.8 41.8#
84 151.3 67.2 100.8#

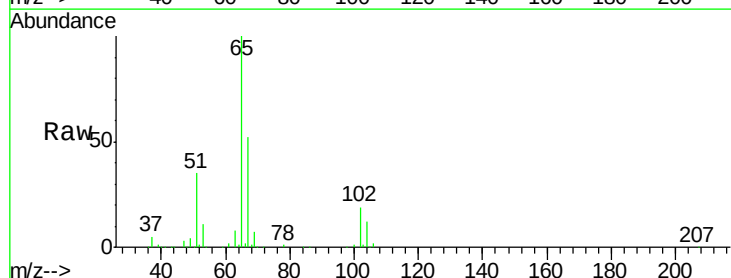


Abundance Ion 56.00 (55.70 to 56.70): VW
Ion 69.00 (68.70 to 69.70): VW
Ion 84.00 (83.70 to 84.70): VW

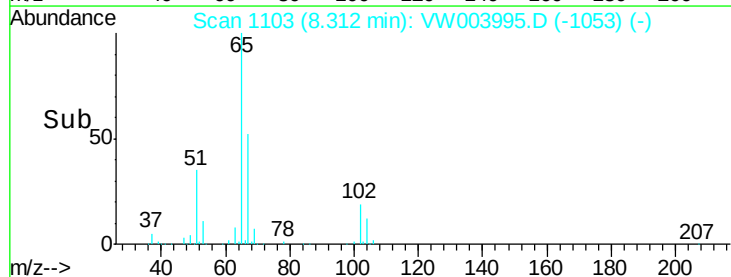
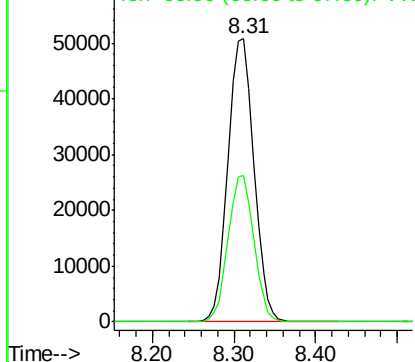


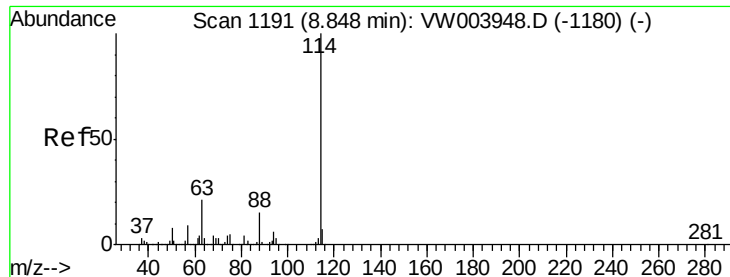
#33
1,2-Dichloroethane-d4
Concen: 63.332 ug/l
RT: 8.31 min Scan# 1103
Delta R.T. 0.01 min
Lab File: VW003995.D
Acq: 17 Jul 2018 19:39

Tgt Ion: 65 Resp: 111690
Ion Ratio Lower Upper
65 100
67 51.2 0.0 105.0



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

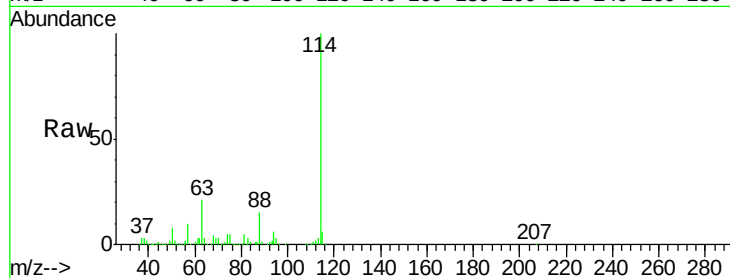




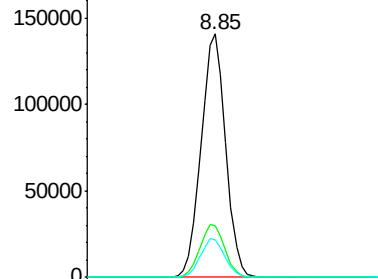
#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.85 min Scan# 1191
Delta R.T. 0.00 min
Lab File: VW003995.D
Acq: 17 Jul 2018 19:39

Instrument :
MSVOA_W
ClientSampleId :
TP-F-D

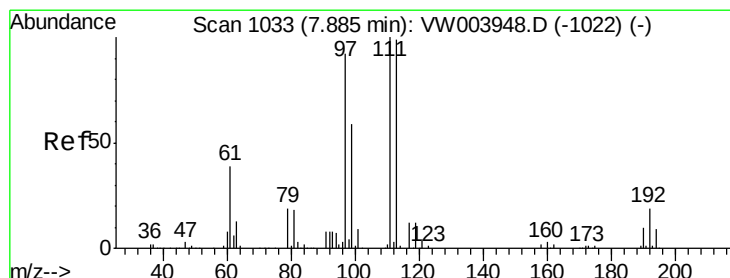
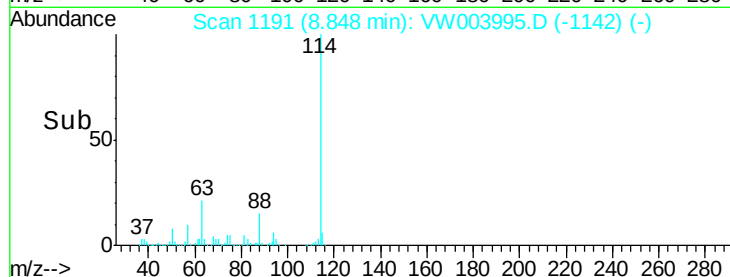
Tot Ion:114 Resp: 274490
Ion Ratio Lower Upper
114 100
63 21.3 0.0 42.8
88 15.3 0.0 30.4



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

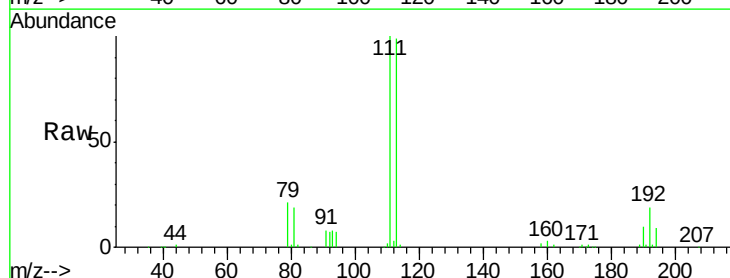


Time-->

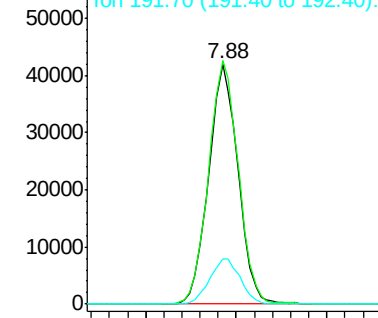


#35
Dibromofluoromethane
Concen: 53.459 ug/l
RT: 7.88 min Scan# 1033
Delta R.T. 0.00 min
Lab File: VW003995.D
Acq: 17 Jul 2018 19:39

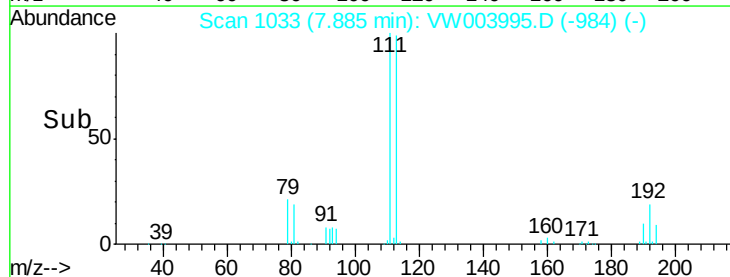
Tgt Ion:113 Resp: 94151
Ion Ratio Lower Upper
113 100
111 103.2 81.3 121.9
192 19.7 15.8 23.6

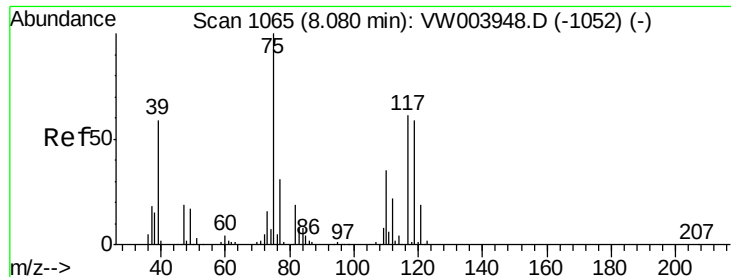


Abundance Ion 112.80 (112.50 to 113.50): V
Ion 110.80 (110.50 to 111.50): V
Ion 191.70 (191.40 to 192.40): V



Time-->





#36

1,1-Dichloropropene

Concen: 4.942 ug/l

RT: 7.95 min Scan# 1044

Delta R.T. -0.13 min

Lab File: VW003995.D

Acq: 17 Jul 2018 19:39

Instrument :

MSVOA_W

ClientSampled :

TP-F-D

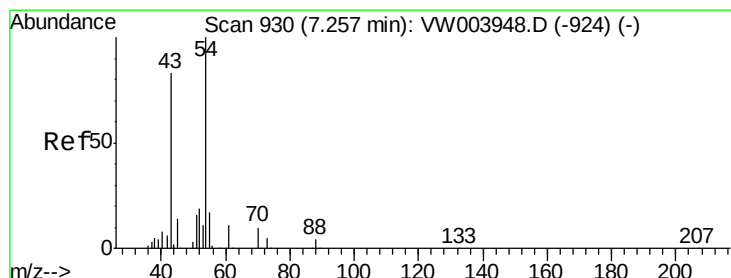
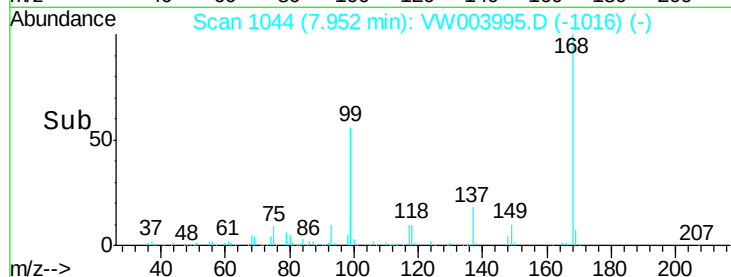
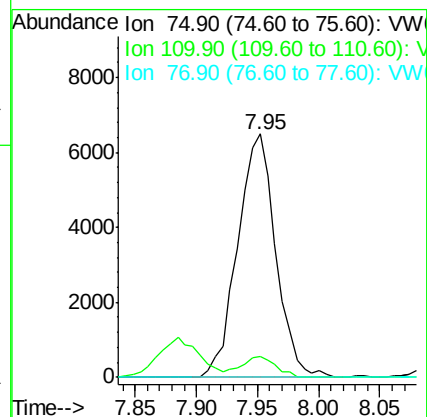
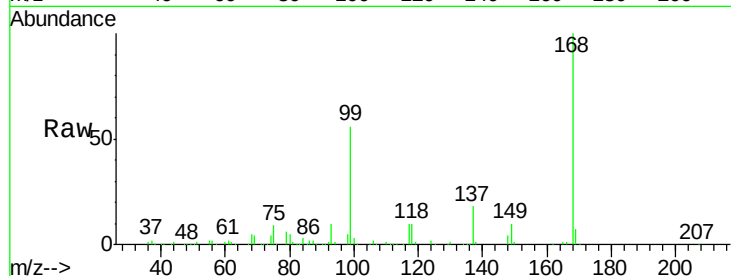
Tot Ion: 75 Resp: 13956

Ion Ratio Lower Upper

75 100

110 7.8 17.0 51.0#

77 0.0 24.9 37.3#



#37

Ethyl Acetate

Concen: 1.801 ug/l

RT: 7.17 min Scan# 916

Delta R.T. -0.09 min

Lab File: VW003995.D

Acq: 17 Jul 2018 19:39

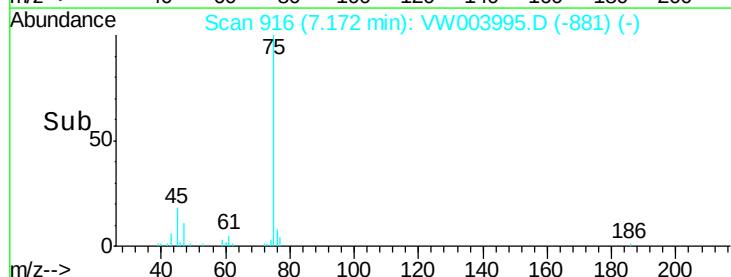
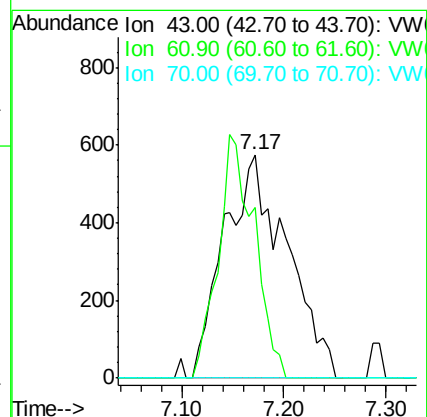
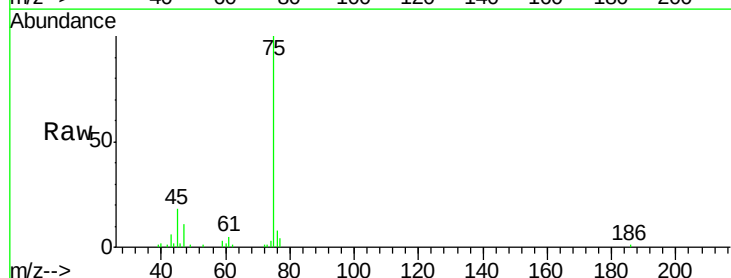
Tgt Ion: 43 Resp: 2453

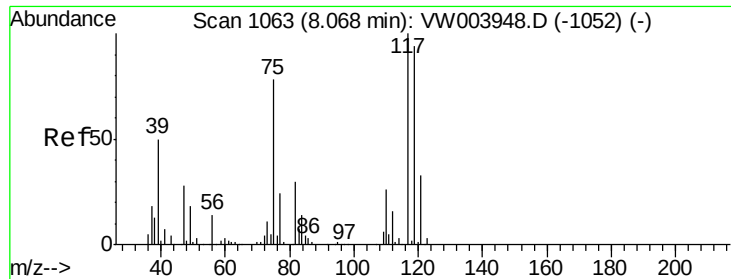
Ion Ratio Lower Upper

43 100

61 0.0 10.7 16.1#

70 0.0 7.7 11.5#





#38

Carbon Tetrachloride

Concen: 6.087 ug/l

RT: 7.95 min Scan# 1044

Delta R.T. -0.12 min

Lab File: VW003995.D

Acq: 17 Jul 2018 19:39

Instrument :

MSVOA_W

ClientSampleId :

TP-F-D

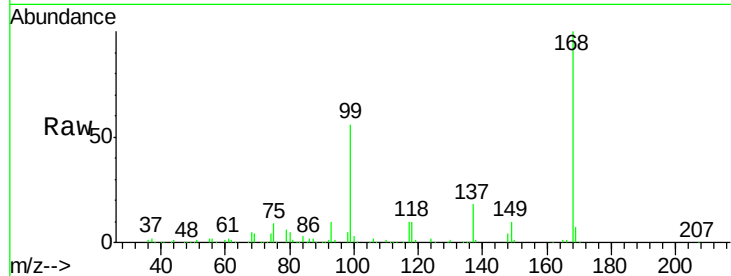
Tot Ion:117 Resp: 16063

Ion Ratio Lower Upper

117 100

119 5.7 75.3 112.9#

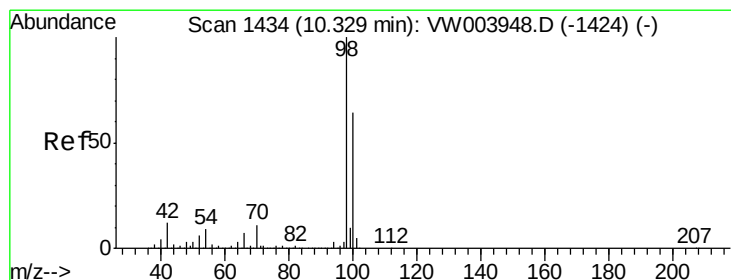
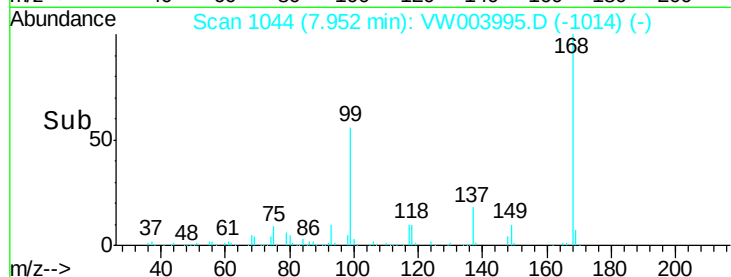
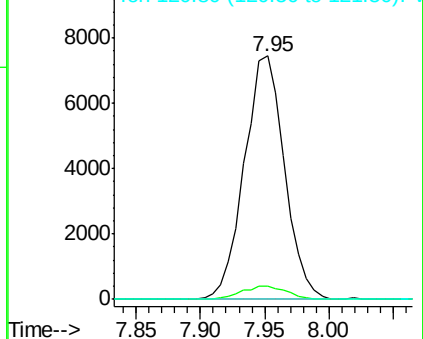
121 0.0 26.0 39.0#



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: 46.135 ug/l

RT: 10.33 min Scan# 1434

Delta R.T. 0.00 min

Lab File: VW003995.D

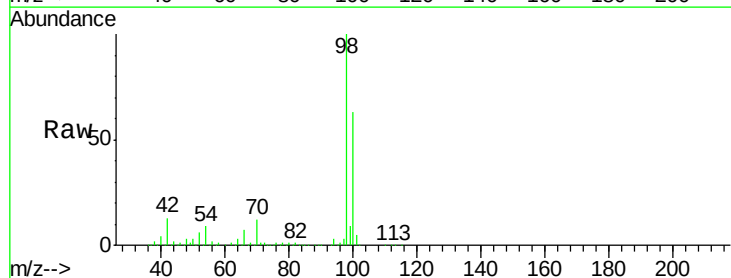
Acq: 17 Jul 2018 19:39

Tgt Ion: 98 Resp: 315277

Ion Ratio Lower Upper

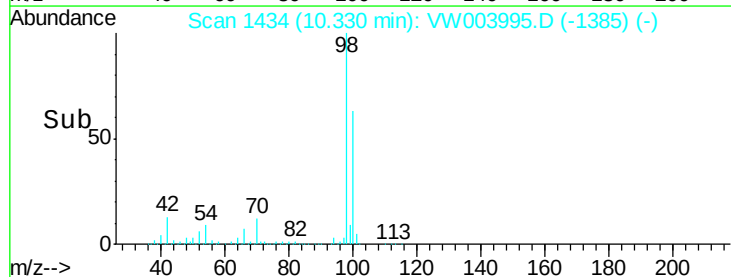
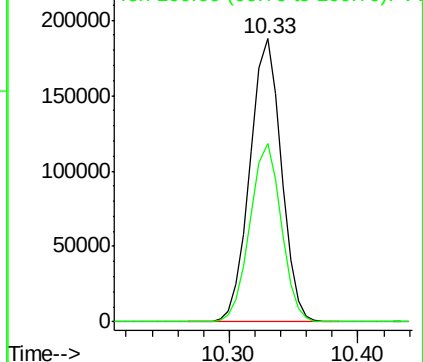
98 100

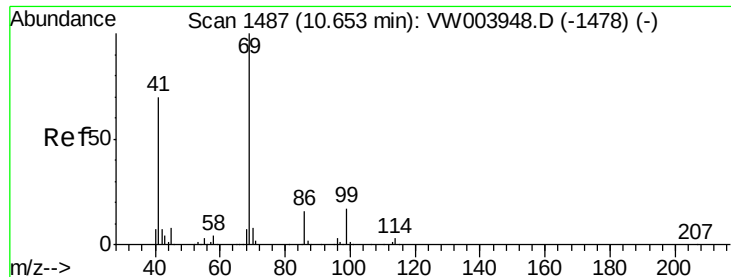
100 62.8 51.2 76.8



Abundance Ion 98.00 (97.70 to 98.70): VW

Ion 100.00 (99.70 to 100.70): VW





#56

Ethyl methacrylate

Concen: 2.955 ug/l

RT: 10.38 min Scan# 1443

Delta R.T. -0.27 min

Lab File: VW003995.D

Acq: 17 Jul 2018 19:39

Instrument :

MSVOA_W

ClientSampleId :

TP-F-D

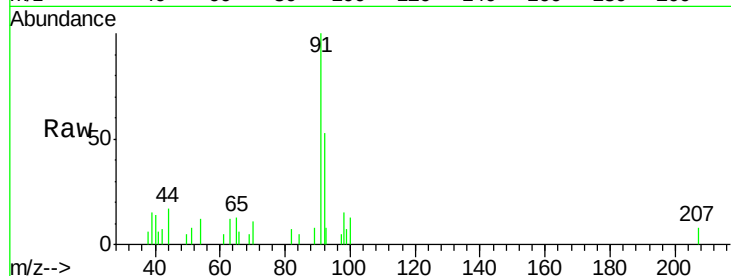
Tot Ion: 69 Resp: 19

Ion Ratio Lower Upper

69 100

41 400.0 56.5 84.7#

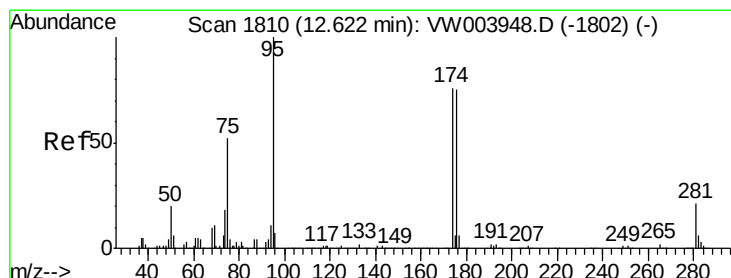
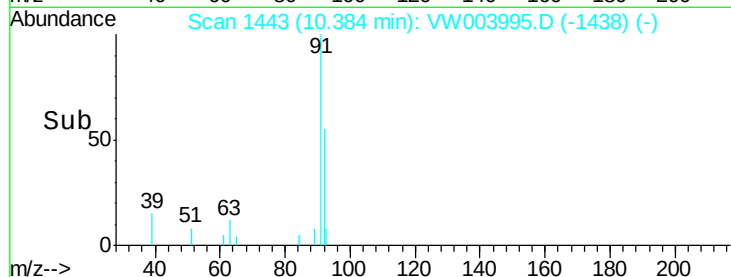
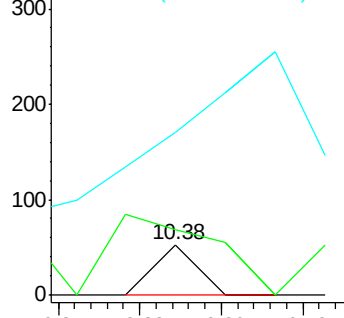
39 0.0 30.2 45.4#



Abundance Ion 69.00 (68.70 to 69.70): VW

Ion 41.00 (40.70 to 41.70): VW

Ion 39.00 (38.70 to 39.70): VW



#62

4-Bromofluorobenzene

Concen: 43.806 ug/l

RT: 12.63 min Scan# 1811

Delta R.T. 0.01 min

Lab File: VW003995.D

Acq: 17 Jul 2018 19:39

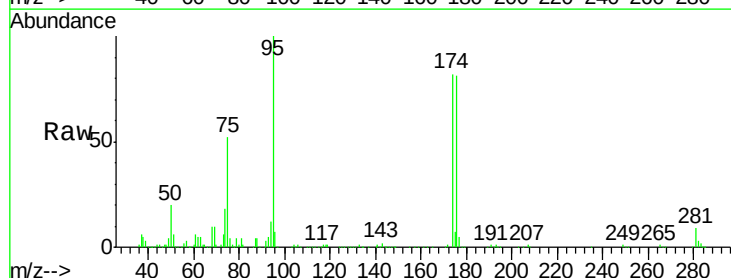
Tgt Ion: 95 Resp: 107951

Ion Ratio Lower Upper

95 100

174 81.6 0.0 160.2

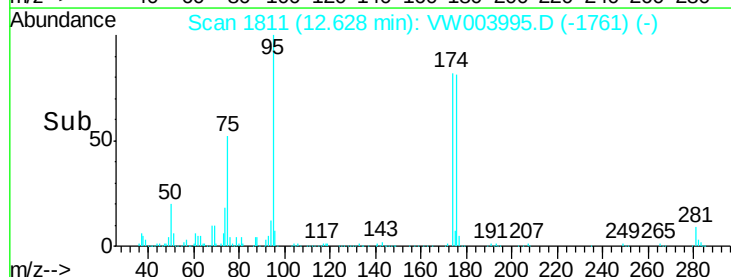
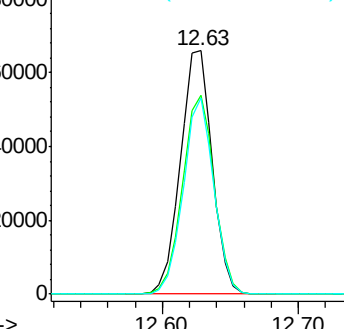
176 77.7 0.0 155.8

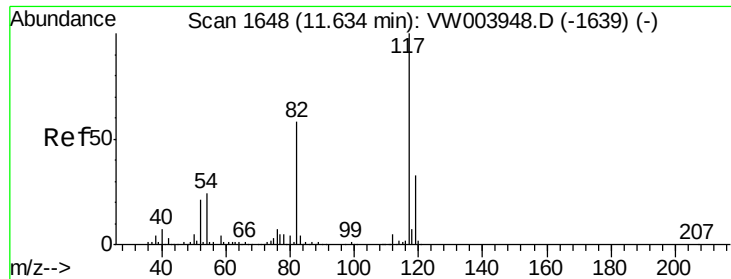


Abundance Ion 94.90 (94.60 to 95.60): VW

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

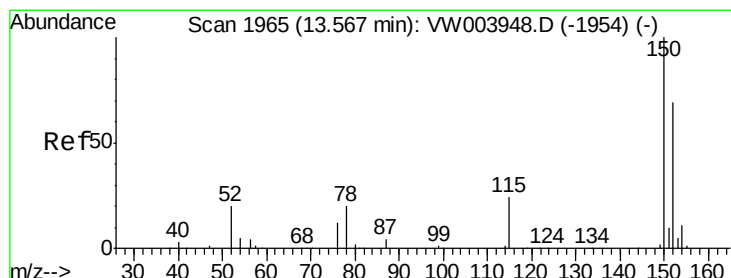
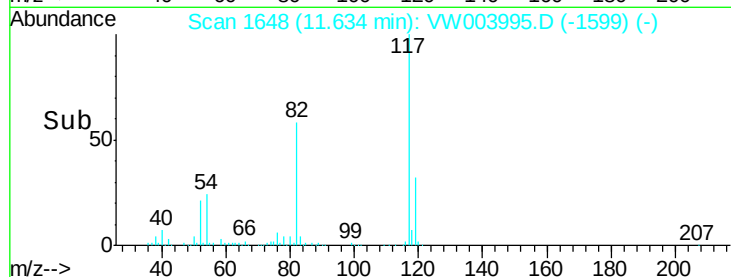
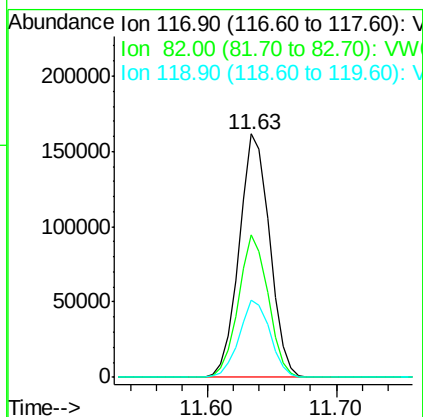
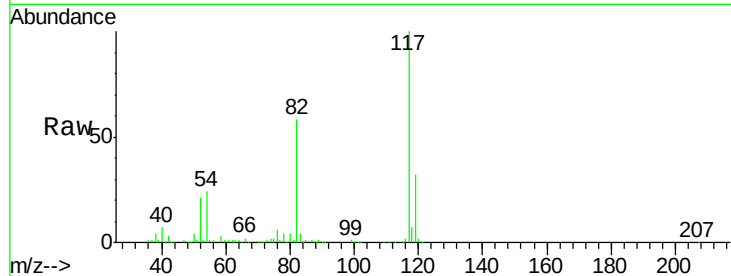




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1648
Delta R.T. 0.00 min
Lab File: VW003995.D
Acq: 17 Jul 2018 19:39

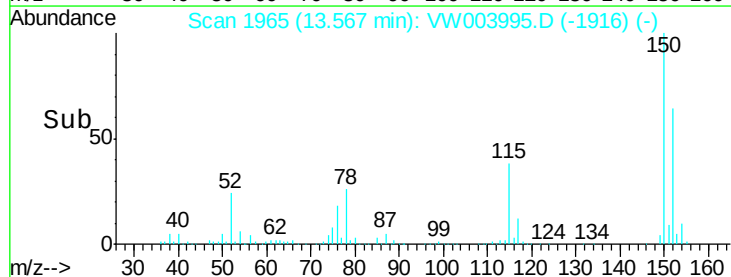
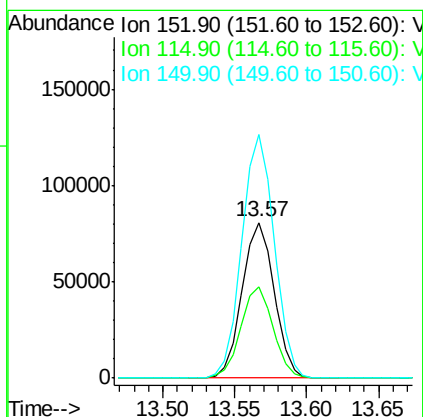
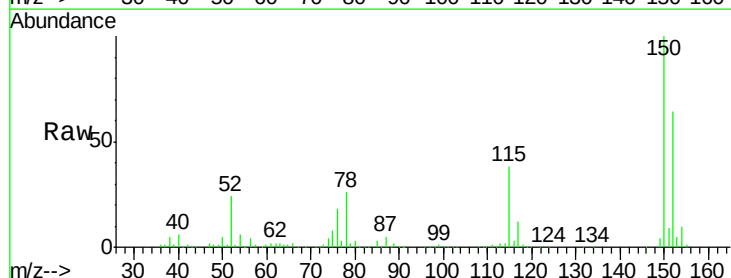
Instrument :
MSVOA_W
ClientSampled :
TP-F-D

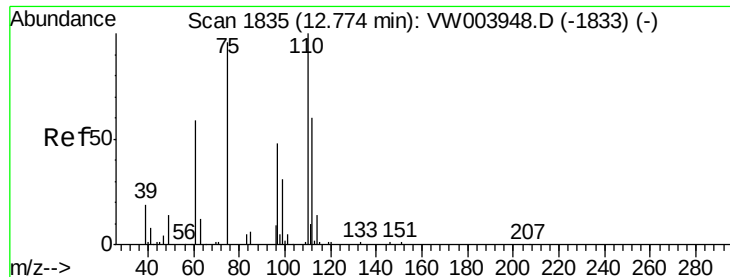
Tot Ion:117 Resp: 263333
Ion Ratio Lower Upper
117 100
82 58.4 46.5 69.7
119 31.6 26.2 39.2



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.57 min Scan# 1965
Delta R.T. 0.00 min
Lab File: VW003995.D
Acq: 17 Jul 2018 19:39

Tgt Ion:152 Resp: 124948
Ion Ratio Lower Upper
152 100
115 58.9 29.2 87.6
150 158.0 0.0 345.2





#76

1,2,3-Trichloropropane

Concen: 45.898 ug/l

RT: 12.62 min Scan# 1810

Delta R.T. -0.15 min

Lab File: VW003995.D

Acq: 17 Jul 2018 19:39

Instrument :

MSVOA_W

ClientSampleId :

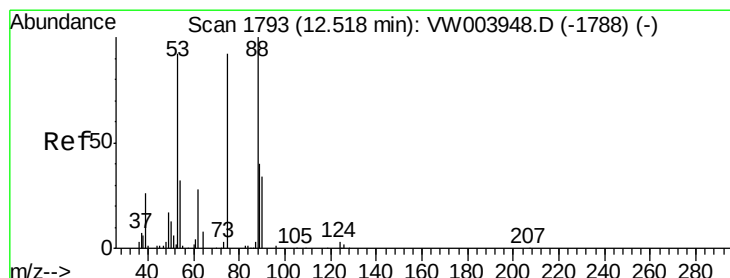
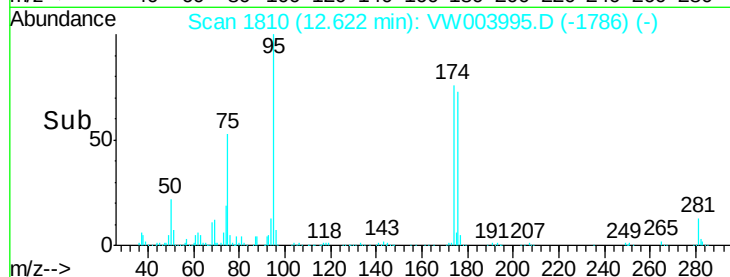
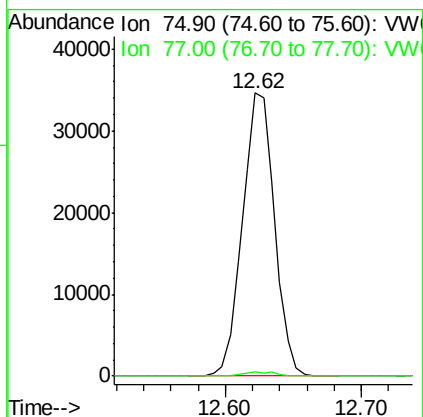
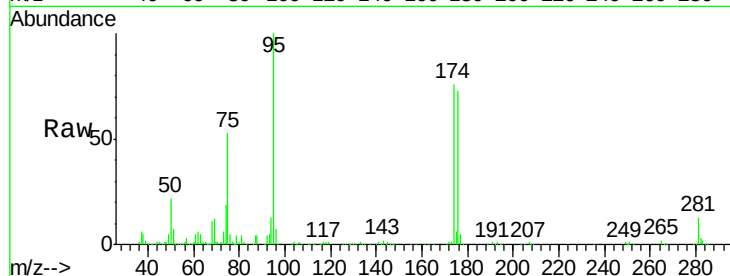
TP-F-D

Tot Ion: 75 Resp: 56934

Ion Ratio Lower Upper

75 100

77 1.5 0.0 0.0#



#81

trans-1,4-Dichloro-2-butene

Concen: 101.525 ug/l

RT: 12.62 min Scan# 1810

Delta R.T. 0.10 min

Lab File: VW003995.D

Acq: 17 Jul 2018 19:39

Tgt Ion: 75 Resp: 56934

Ion Ratio Lower Upper

75 100

53 0.3 77.6 116.4#

89 0.0 36.6 54.8#

