

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW092718\
 Data File : VW005703.D
 Acq On : 27 Sep 2018 16:35
 Operator : VA/AP
 Sample : J5097-07RE
 Misc : 5.91G/5ML/MSVOA_W/SOIL
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 TP-4RE

Quant Time: Sep 28 01:22:26 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W092118S.M
 Quant Title : SW846 8260
 QLast Update : Fri Sep 21 09:05:42 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	198919	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.85	114	316030	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	287886	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.57	152	132188	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.31	65	142145	60.66	ug/l	0.00
Spiked Amount	50.000		Recovery	=	121.32%	
35) Dibromofluoromethane	7.89	113	111607	56.16	ug/l	0.00
Spiked Amount	50.000		Recovery	=	112.32%	
50) Toluene-d8	10.33	98	406532	50.24	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.48%	
62) 4-Bromofluorobenzene	12.62	95	135046	45.10	ug/l	0.00
Spiked Amount	50.000		Recovery	=	90.20%	

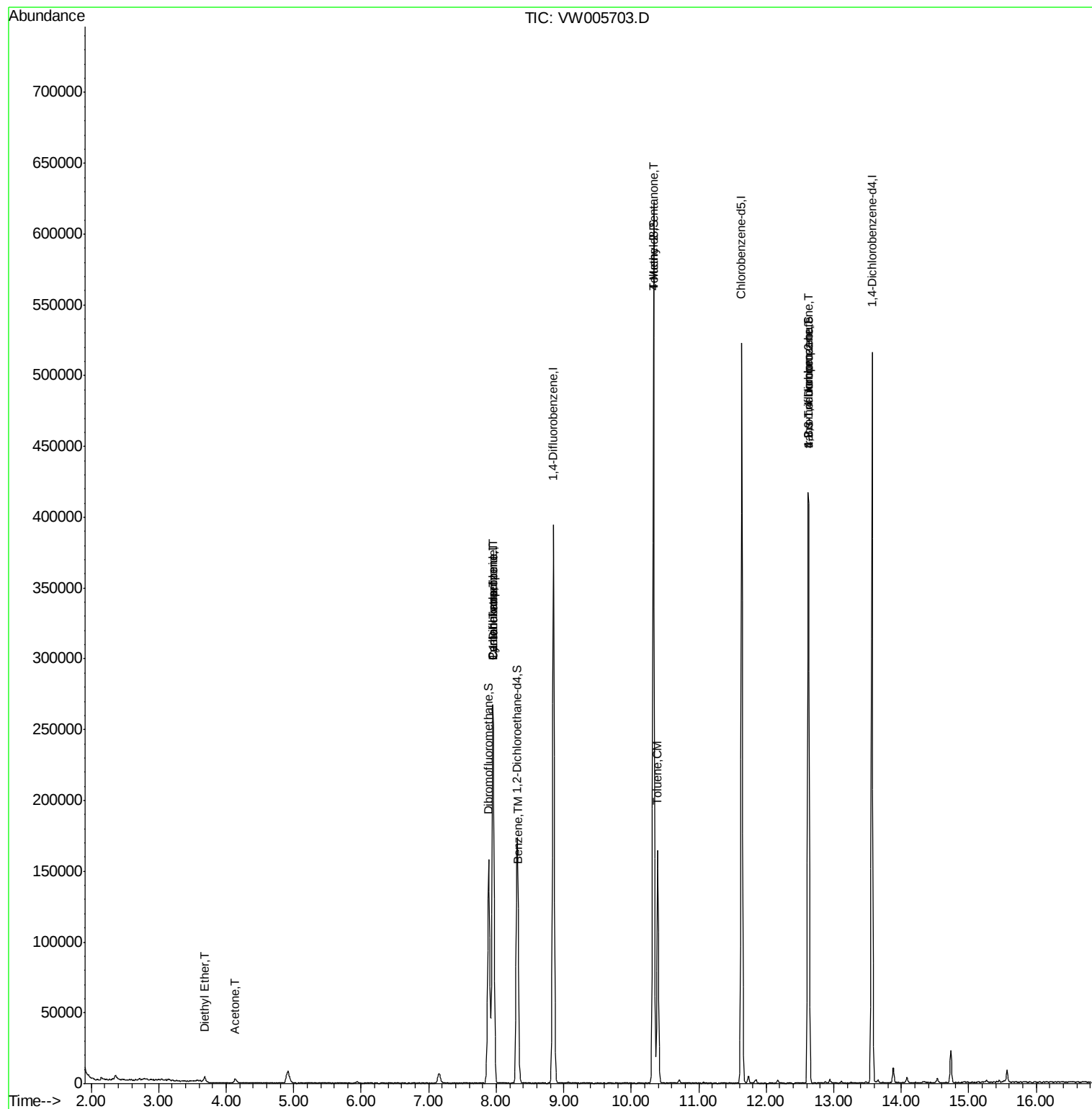
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
8) Diethyl Ether	3.68	74	2000	2.048	ug/l	91
11) Tert butyl alcohol	5.21	59	83	Below Cal	#	72
16) Acetone	4.13	43	5524	5.776	ug/l	90
20) Methylene Chloride	4.92	84	6965	Below Cal		90
31) Cyclohexane	7.95	56	4294	1.182	ug/l #	7
36) 1,1-Dichloropropene	7.95	75	15472	4.863	ug/l #	50
38) Carbon Tetrachloride	7.95	117	19526	5.728	ug/l #	16
40) Benzene	8.33	78	15881	1.762	ug/l	92
51) 4-Methyl-2-Pentanone	10.33	43	2024	1.527	ug/l #	1
52) Toluene	10.39	92	66793	11.876	ug/l	97
76) 1,2,3-Trichloropropane	12.62	75	71288	63.265	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.62	75	71288	142.492	ug/l #	7

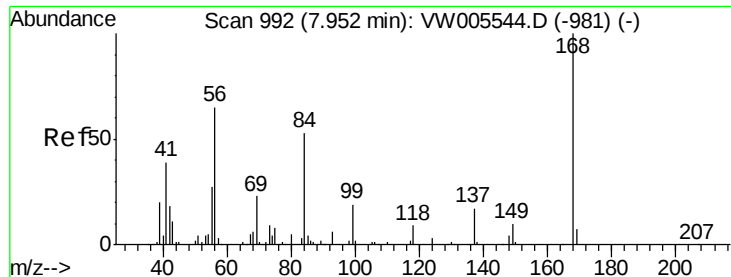
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA_W\DATA\VW092718\
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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: VW005703.D

Acq: 27 Sep 2018 16:35

Instrument :

MSVOA_W

ClientSampleId :

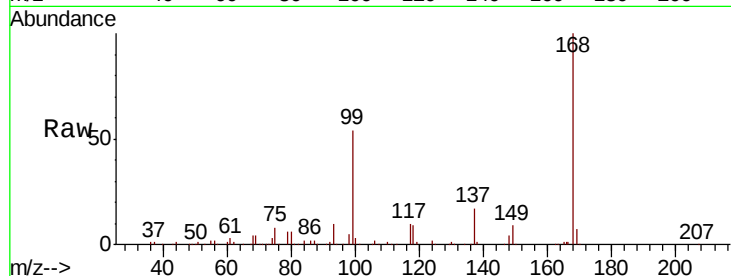
TP-4RE

Tgt Ion:168 Resp: 198919

Ion Ratio Lower Upper

168 100

99 54.3 48.4 72.6



Abundance Ion 167.90 (167.60 to 168.60): VW

Ion 98.90 (98.60 to 99.60): VW

7.95

100000

80000

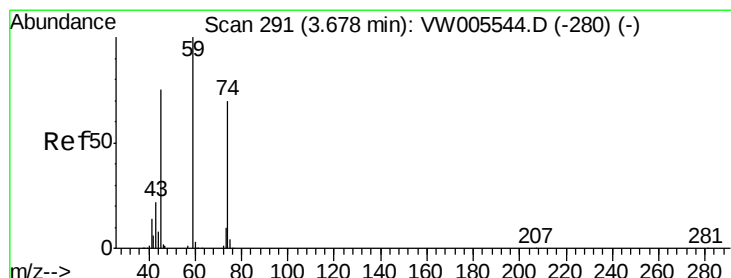
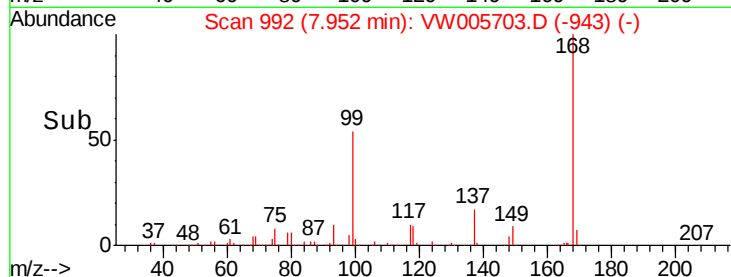
60000

40000

20000

0

Time-->



#8

Diethyl Ether

Concen: 2.048 ug/l

RT: 3.68 min Scan# 292

Delta R.T. 0.01 min

Lab File: VW005703.D

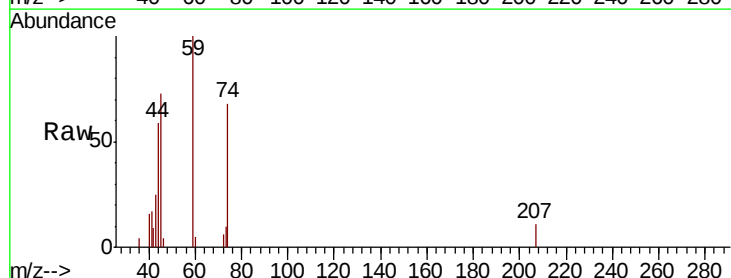
Acq: 27 Sep 2018 16:35

Tgt Ion: 74 Resp: 2000

Ion Ratio Lower Upper

74 100

45 112.3 51.7 155.2



Abundance Ion 74.00 (73.70 to 74.70): VW

Ion 45.00 (44.70 to 45.70): VW

3.68

1000

800

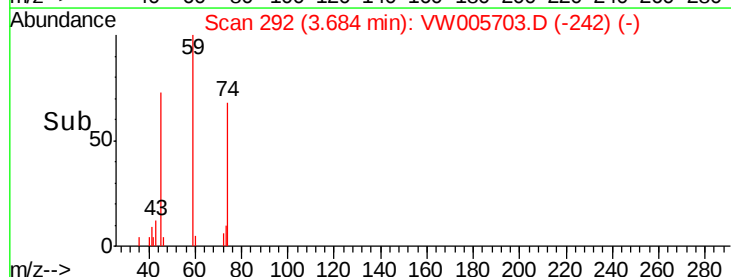
600

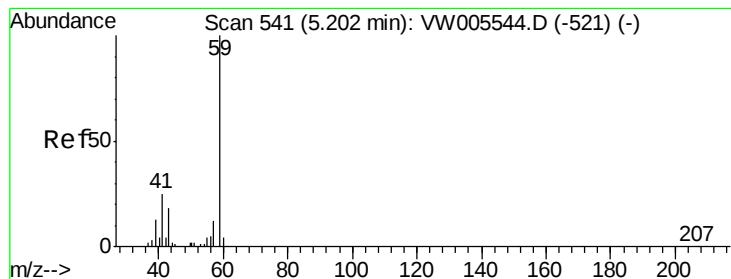
400

200

0

Time-->



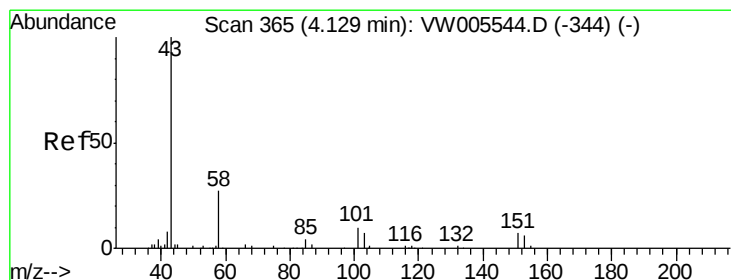
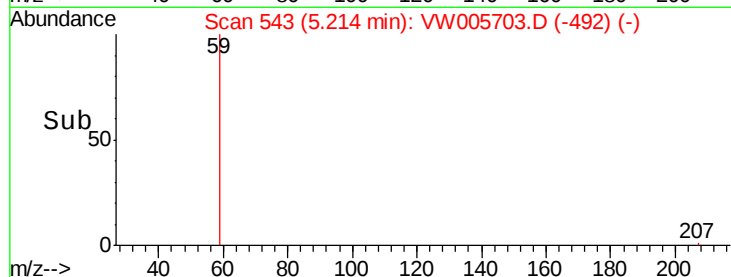
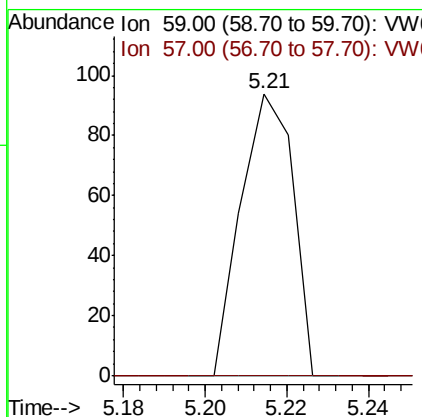
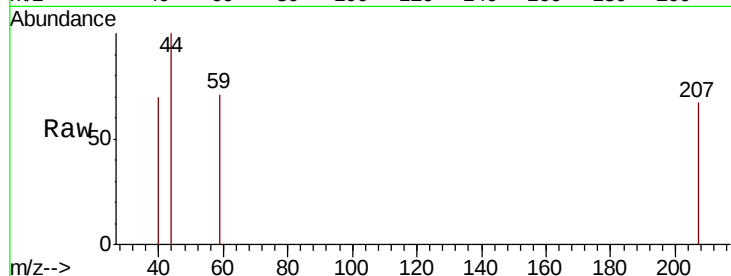


#11

Tert butyl alcohol
 Concen: Below Cal
 RT: 5.21 min Scan# 543
 Delta R.T. 0.01 min
 Lab File: VW005703.D
 Acq: 27 Sep 2018 16:35

Instrument :
 MSVOA_W
 ClientSampled :
 TP-4RE

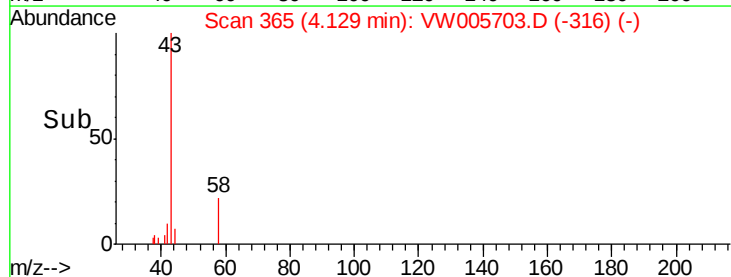
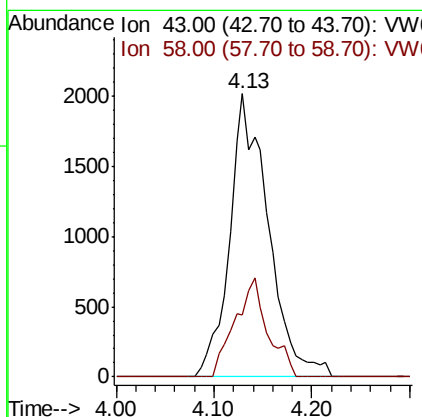
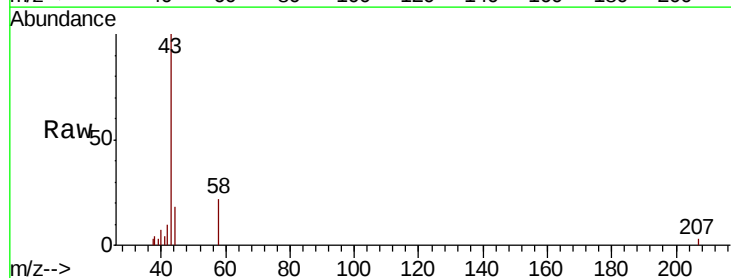
Tgt Ion: 59 Resp: 83
 Ion Ratio Lower Upper
 59 100
 57 0.0 8.3 12.5#

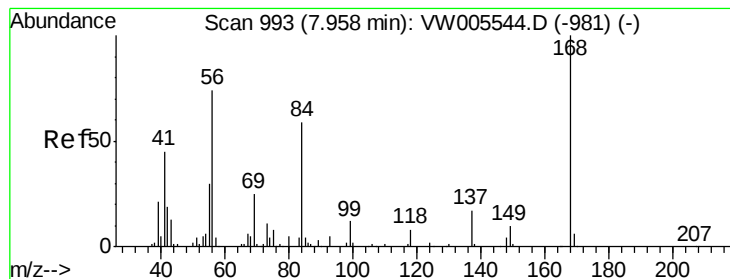


#16

Acetone
 Concen: 5.776 ug/l
 RT: 4.13 min Scan# 365
 Delta R.T. 0.00 min
 Lab File: VW005703.D
 Acq: 27 Sep 2018 16:35

Tgt Ion: 43 Resp: 5524
 Ion Ratio Lower Upper
 43 100
 58 21.9 21.8 32.8





#31

Cyclohexane

Concen: 1.182 ug/l

RT: 7.95 min Scan# 991

Delta R.T. -0.01 min

Lab File: VW005703.D

Acq: 27 Sep 2018 16:35

Instrument :

MSVOA_W

ClientSampleId :

TP-4RE

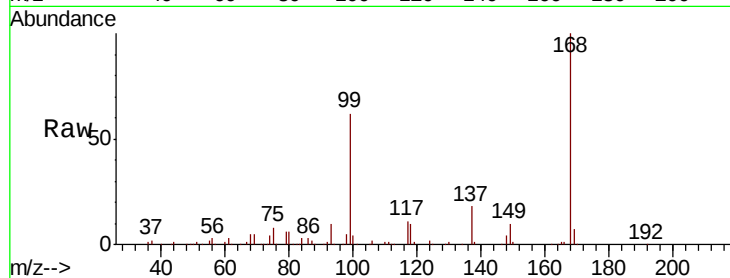
Tgt Ion: 56 Resp: 4294

Ion Ratio Lower Upper

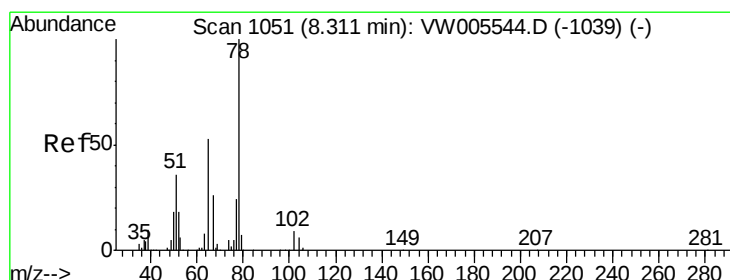
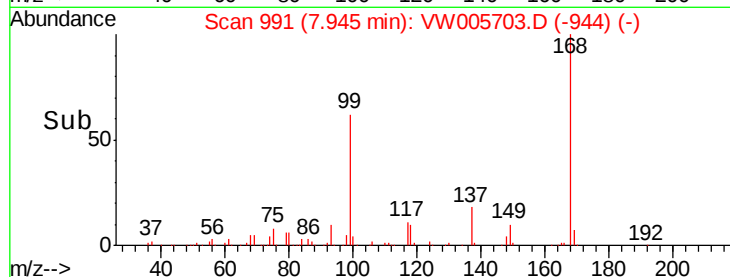
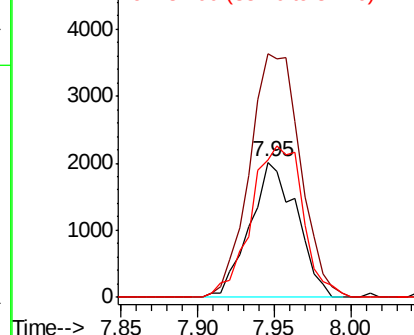
56 100

69 179.9 27.0 40.4#

84 101.6 64.2 96.4#



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: 60.657 ug/l

RT: 8.31 min Scan# 1051

Delta R.T. -0.00 min

Lab File: VW005703.D

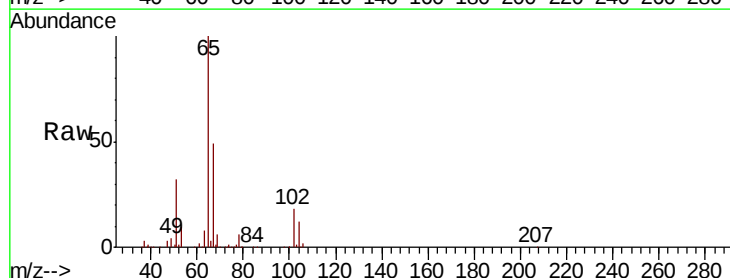
Acq: 27 Sep 2018 16:35

Tgt Ion: 65 Resp: 142145

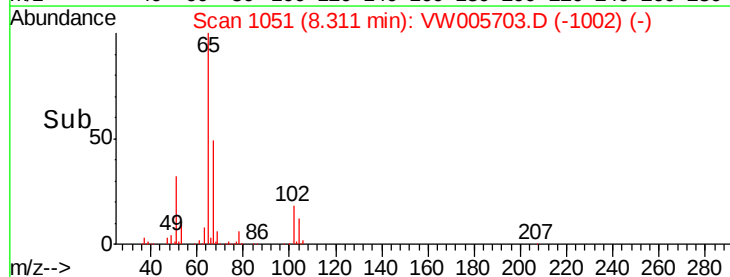
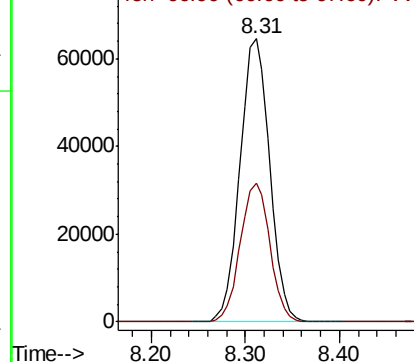
Ion Ratio Lower Upper

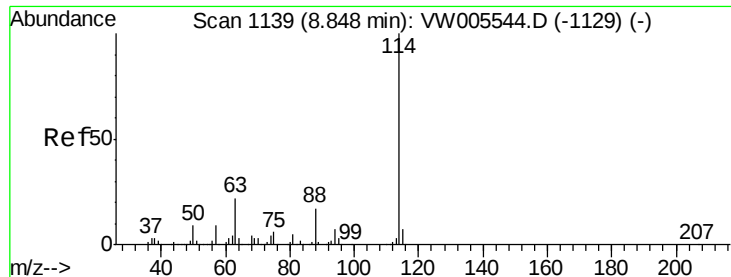
65 100

67 49.1 0.0 100.6



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

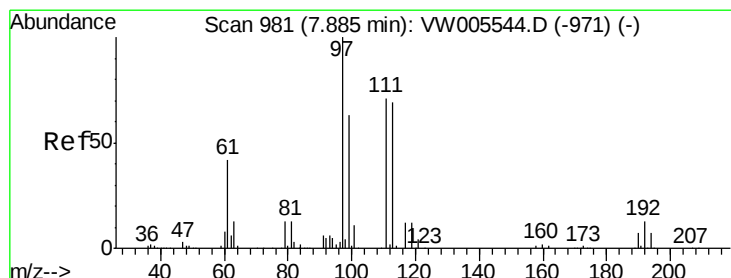
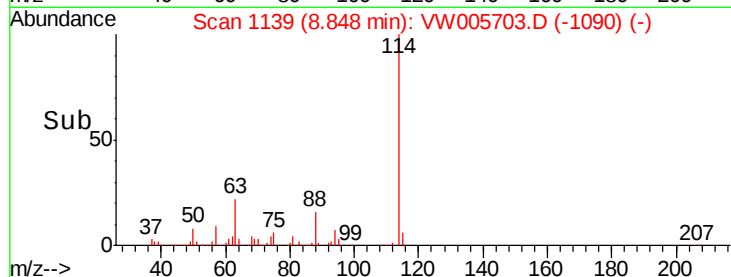
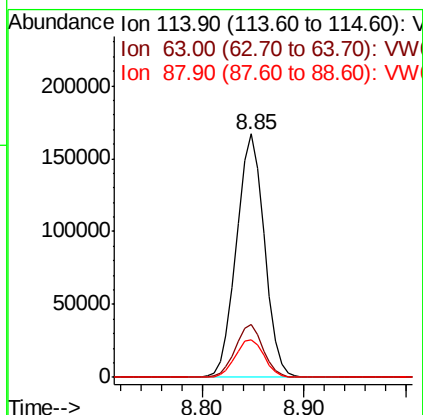
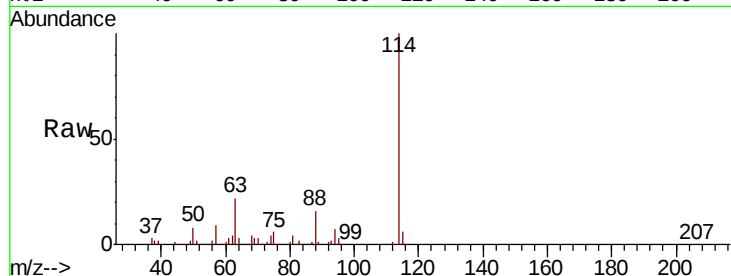




#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.85 min Scan# 1139
 Delta R.T. -0.00 min
 Lab File: VW005703.D
 Acq: 27 Sep 2018 16:35

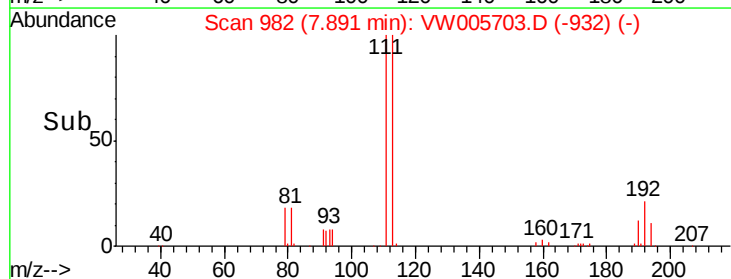
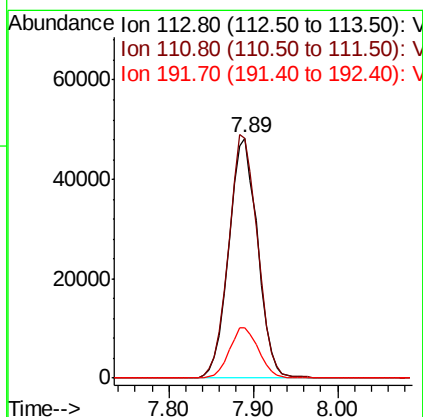
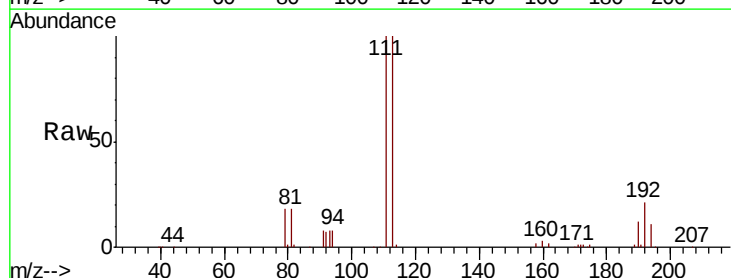
Instrument :
 MSVOA_W
 ClientSampleId :
 TP-4RE

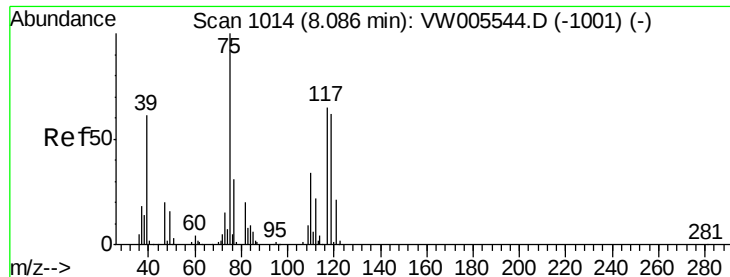
Tgt Ion	Ratio	Lower	Upper
114	100		
63	21.9	0.0	43.0
88	15.7	0.0	33.0



#35
 Dibromofluoromethane
 Concen: 56.158 ug/l
 RT: 7.89 min Scan# 982
 Delta R.T. 0.01 min
 Lab File: VW005703.D
 Acq: 27 Sep 2018 16:35

Tgt Ion	Ratio	Lower	Upper
113	100		
111	102.0	82.6	123.8
192	21.2	17.0	25.4





#36

1,1-Dichloropropene

Concen: 4.863 ug/l

RT: 7.95 min Scan# 992

Delta R.T. -0.13 min

Lab File: VW005703.D

Acq: 27 Sep 2018 16:35

Instrument :

MSVOA_W

ClientSampleId :

TP-4RE

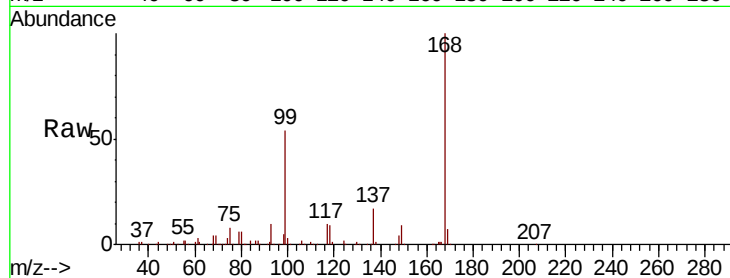
Tgt Ion: 75 Resp: 15472

Ion Ratio Lower Upper

75 100

110 8.6 17.0 50.9#

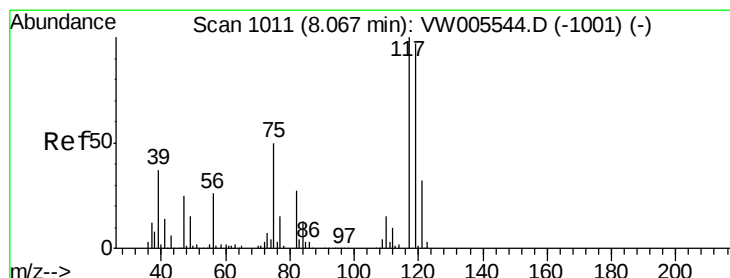
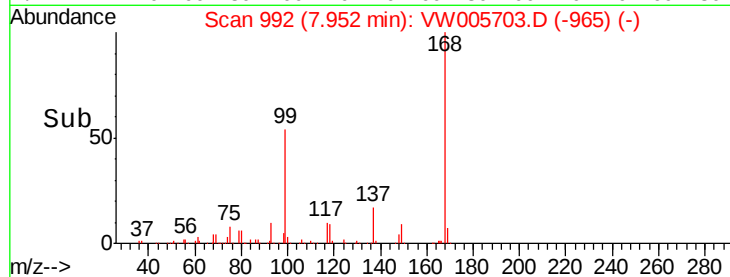
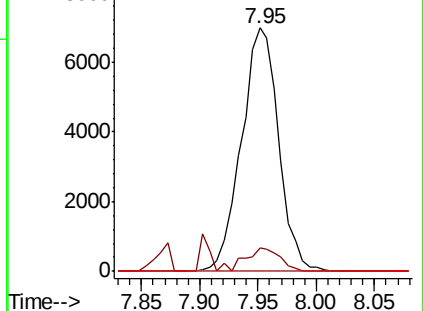
77 0.0 24.8 37.2#



Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VW



#38

Carbon Tetrachloride

Concen: 5.728 ug/l

RT: 7.95 min Scan# 992

Delta R.T. -0.12 min

Lab File: VW005703.D

Acq: 27 Sep 2018 16:35

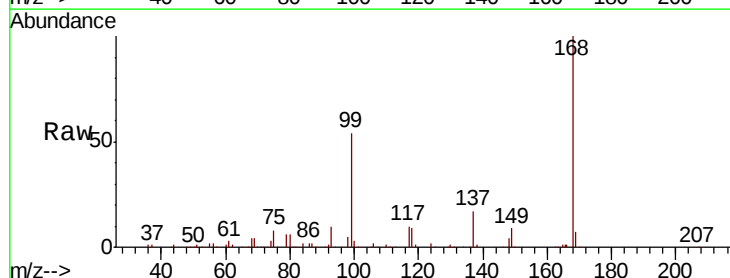
Tgt Ion: 117 Resp: 19526

Ion Ratio Lower Upper

117 100

119 5.4 77.6 116.4#

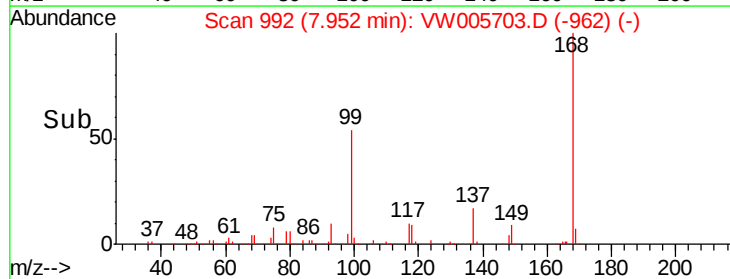
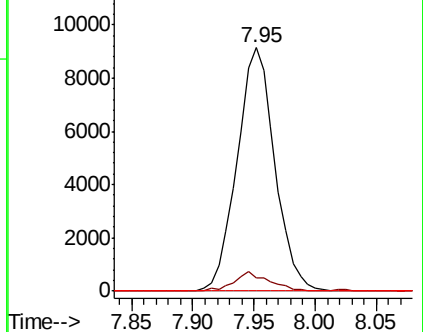
121 0.0 25.7 38.5#

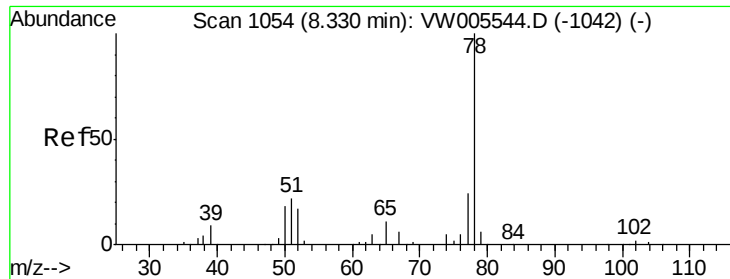


Abundance Ion 116.80 (116.50 to 117.50): V

Ion 118.80 (118.50 to 119.50): V

Ion 120.80 (120.50 to 121.50): V





#40

Benzene

Concen: 1.762 ug/l

RT: 8.33 min Scan# 1054

Delta R.T. -0.00 min

Lab File: VW005703.D

Acq: 27 Sep 2018 16:35

Instrument :

MSVOA_W

ClientSampleId :

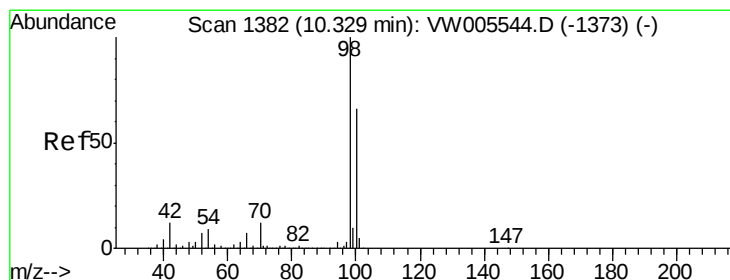
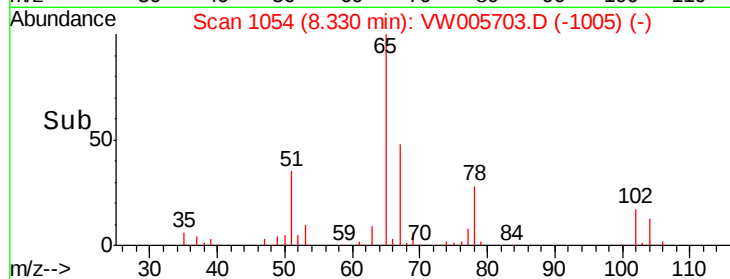
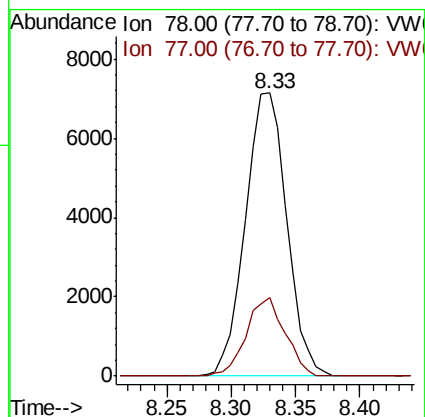
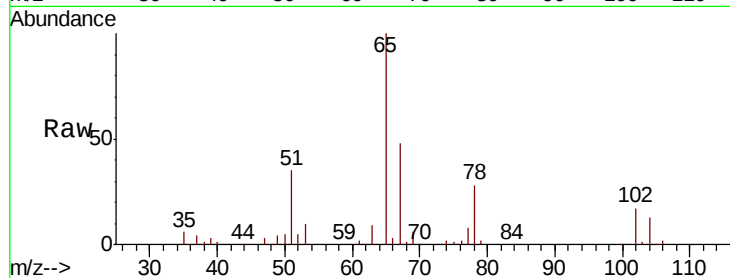
TP-4RE

Tgt Ion: 78 Resp: 15881

Ion Ratio Lower Upper

78 100

77 27.6 19.0 28.4



#50

Toluene-d8

Concen: 50.237 ug/l

RT: 10.33 min Scan# 1382

Delta R.T. -0.00 min

Lab File: VW005703.D

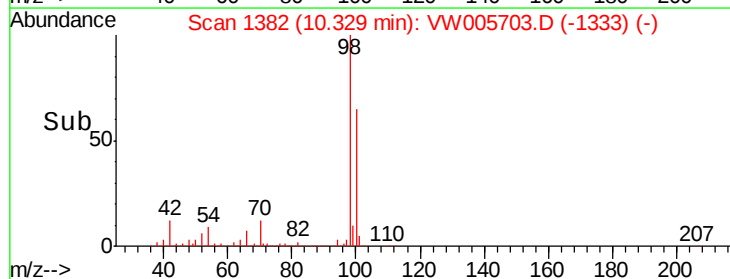
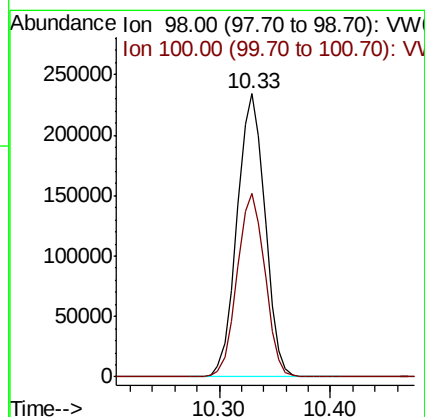
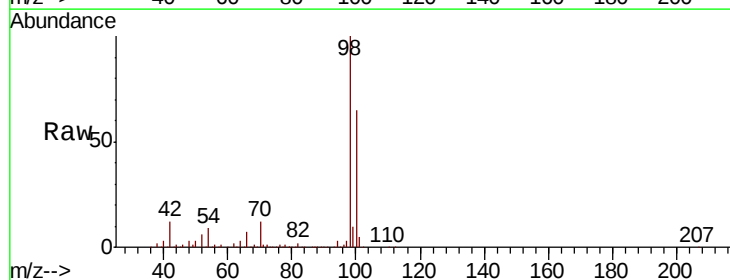
Acq: 27 Sep 2018 16:35

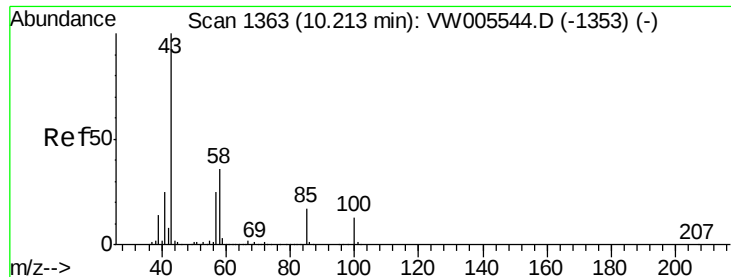
Tgt Ion: 98 Resp: 406532

Ion Ratio Lower Upper

98 100

100 64.4 51.6 77.4

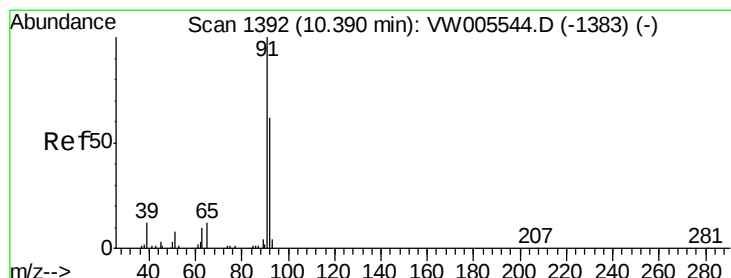
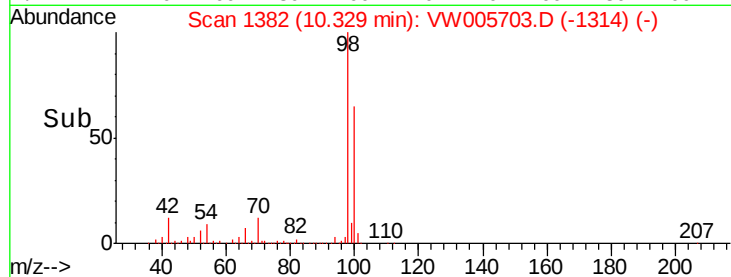
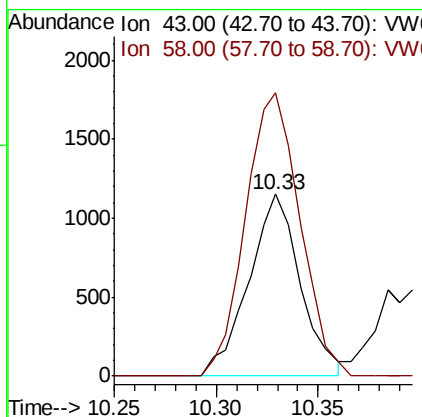
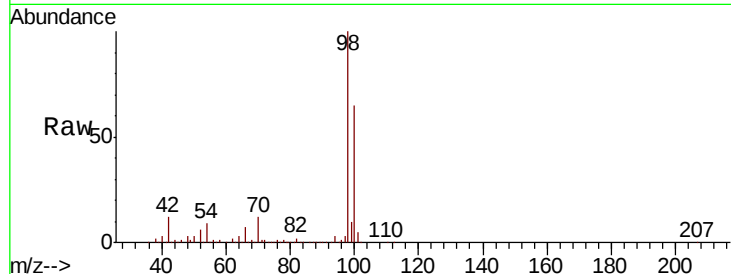




#51
 4-Methyl-2-Pentanone
 Concen: 1.527 ug/l
 RT: 10.33 min Scan# 1382
 Delta R.T. 0.12 min
 Lab File: VW005703.D
 Acq: 27 Sep 2018 16:35

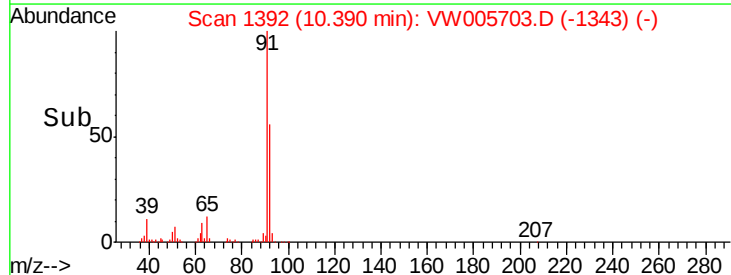
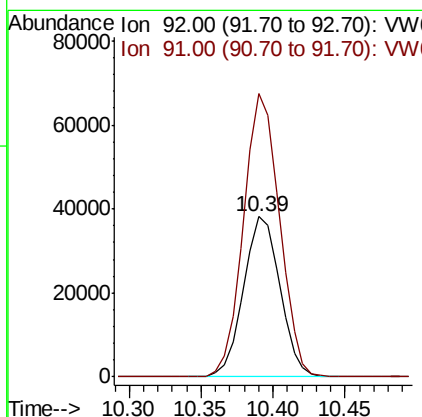
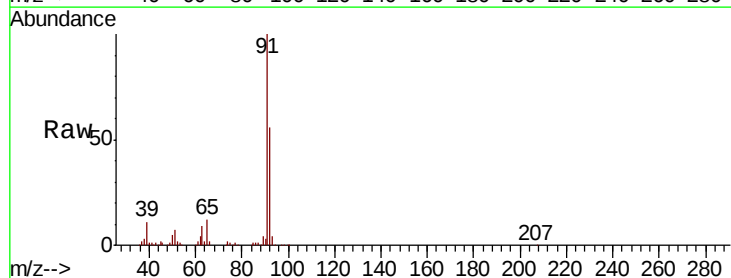
Instrument :
 MSVOA_W
 ClientSampled :
 TP-4RE

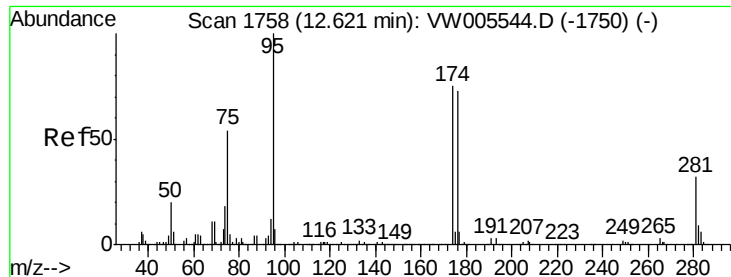
Tgt Ion: 43 Resp: 2024
 Ion Ratio Lower Upper
 43 100
 58 164.3 30.0 45.0#



#52
 Toluene
 Concen: 11.876 ug/l
 RT: 10.39 min Scan# 1392
 Delta R.T. -0.00 min
 Lab File: VW005703.D
 Acq: 27 Sep 2018 16:35

Tgt Ion: 92 Resp: 66793
 Ion Ratio Lower Upper
 92 100
 91 175.3 137.1 205.7





#62

4-Bromofluorobenzene

Concen: 45.101 ug/l

RT: 12.62 min Scan# 1758

Delta R.T. -0.00 min

Lab File: VW005703.D

Acq: 27 Sep 2018 16:35

Instrument :

MSVOA_W

ClientSampleId :

TP-4RE

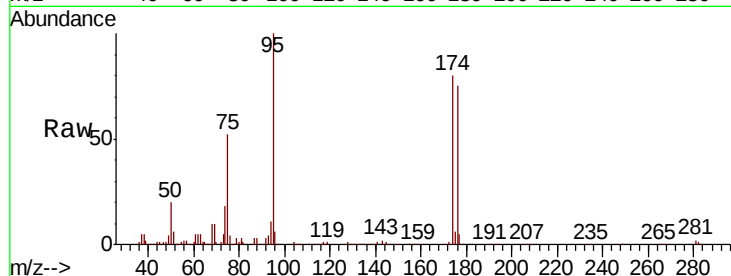
Tgt Ion: 95 Resp: 135046

Ion Ratio Lower Upper

95 100

174 83.6 0.0 163.8

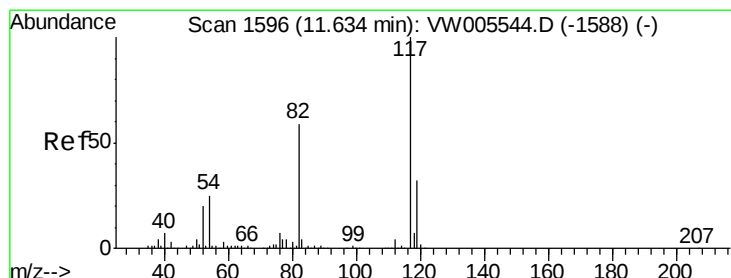
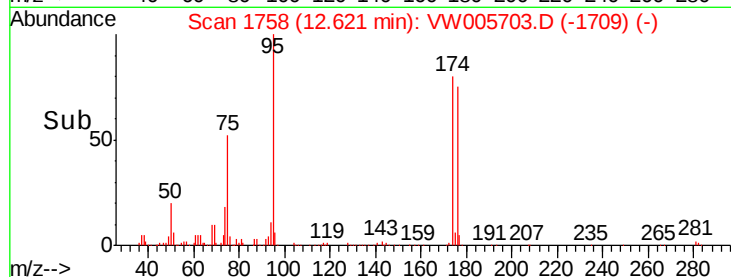
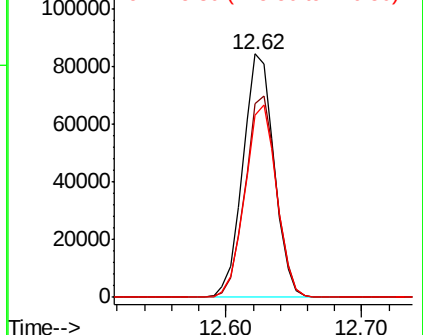
176 80.6 0.0 158.0



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: VW005703.D

Acq: 27 Sep 2018 16:35

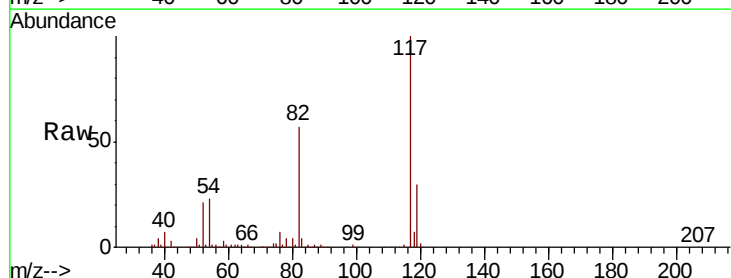
Tgt Ion: 117 Resp: 287886

Ion Ratio Lower Upper

117 100

82 57.0 46.9 70.3

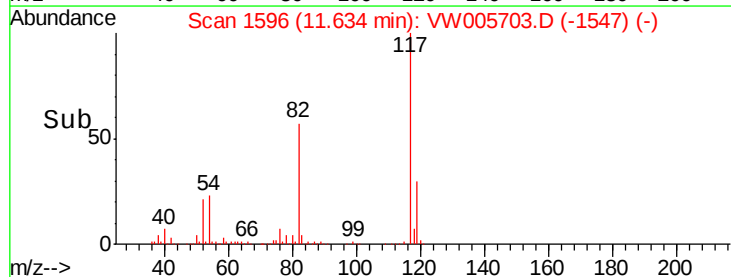
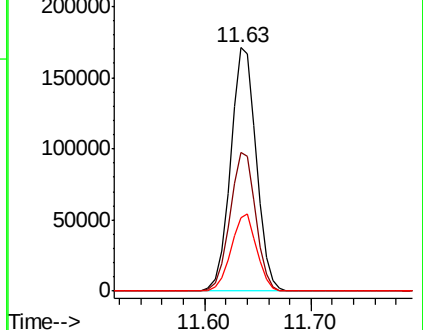
119 30.3 25.7 38.5

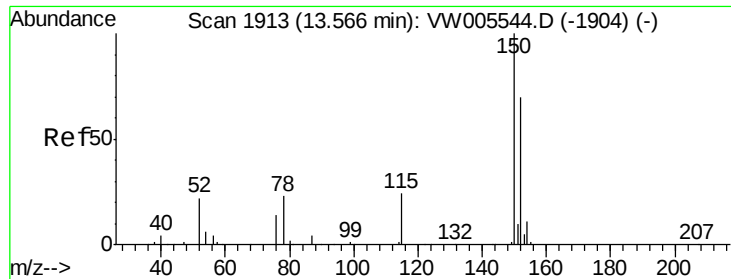


Abundance Ion 116.90 (116.60 to 117.60): VW

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: 13.57 min Scan# 1913

Delta R.T. -0.00 min

Lab File: VW005703.D

Acq: 27 Sep 2018 16:35

Instrument :

MSVOA_W

ClientSampleId :

TP-4RE

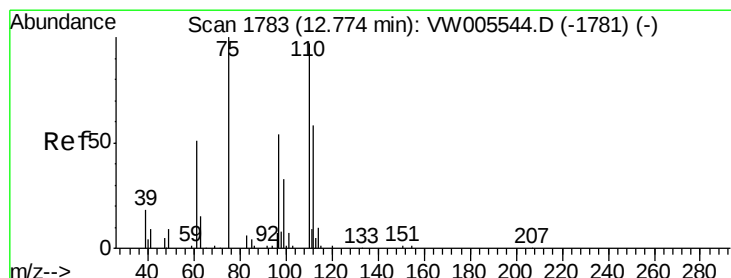
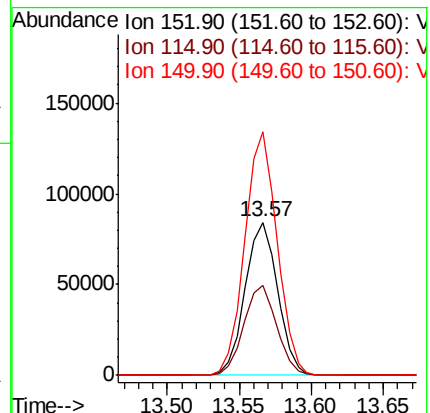
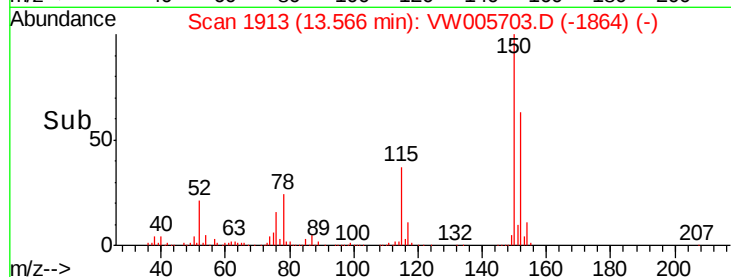
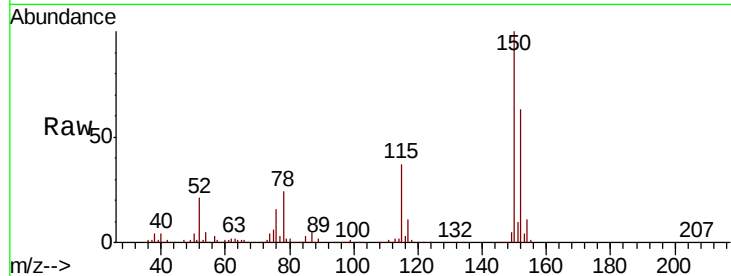
Tgt Ion:152 Resp: 132188

Ion Ratio Lower Upper

152 100

115 59.1 30.0 90.0

150 157.3 0.0 348.6



#76

1,2,3-Trichloropropane

Concen: 63.265 ug/l

RT: 12.62 min Scan# 1758

Delta R.T. -0.15 min

Lab File: VW005703.D

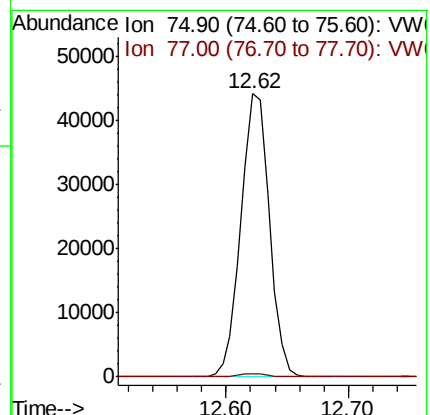
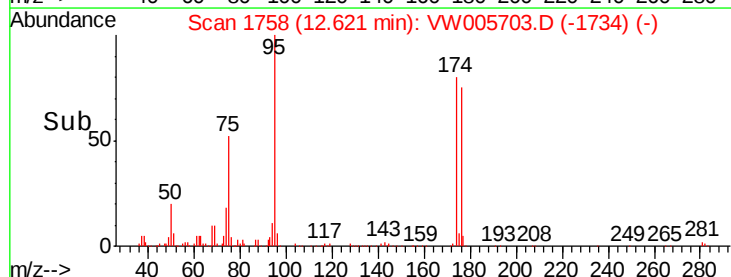
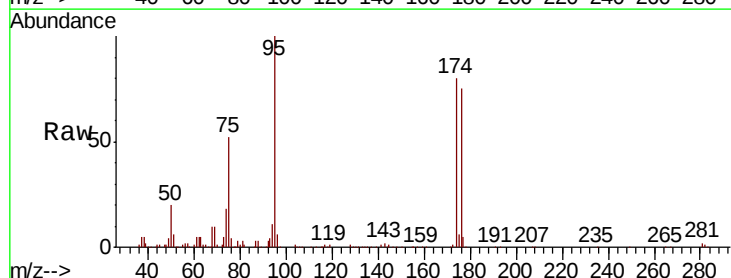
Acq: 27 Sep 2018 16:35

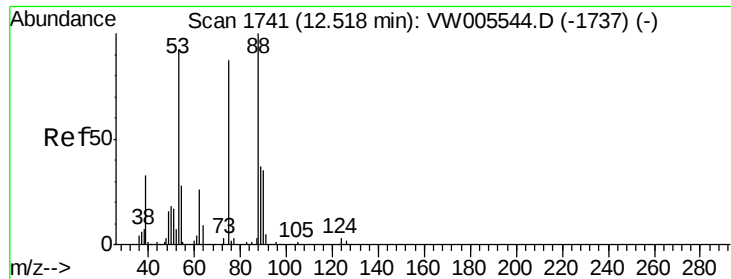
Tgt Ion: 75 Resp: 71288

Ion Ratio Lower Upper

75 100

77 1.0 0.0 0.0#





#81

trans-1,4-Dichloro-2-butene

Concen: 142.492 ug/l

RT: 12.62 min Scan# 1758

Delta R.T. 0.10 min

Lab File: VW005703.D

Acq: 27 Sep 2018 16:35

Instrument :

MSVOA_W

ClientSampleId :

TP-4RE

Tgt Ion: 75 Resp: 71288

Ion Ratio Lower Upper

75 100

53 0.1 85.8 128.6#

89 0.1 37.3 55.9#

