

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW092618\
 Data File : VW005673.D
 Acq On : 27 Sep 2018 00:09
 Operator : VA/AP
 Sample : J5096-01
 Misc : 4.84G/5ML/MSVOA_W/SOIL
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 MT-T-5-2

Quant Time: Sep 27 06:57:50 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	228560	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.85	114	396204	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	323042	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.57	152	108534	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	173248	64.34	ug/l	0.00
Spiked Amount			Recovery	=	128.68%	
35) Dibromofluoromethane	7.89	113	143731	57.69	ug/l	0.00
Spiked Amount			Recovery	=	115.38%	
50) Toluene-d8	10.33	98	470746	46.40	ug/l	0.00
Spiked Amount			Recovery	=	92.80%	
62) 4-Bromofluorobenzene	12.62	95	156476	41.68	ug/l	0.00
Spiked Amount			Recovery	=	83.36%	

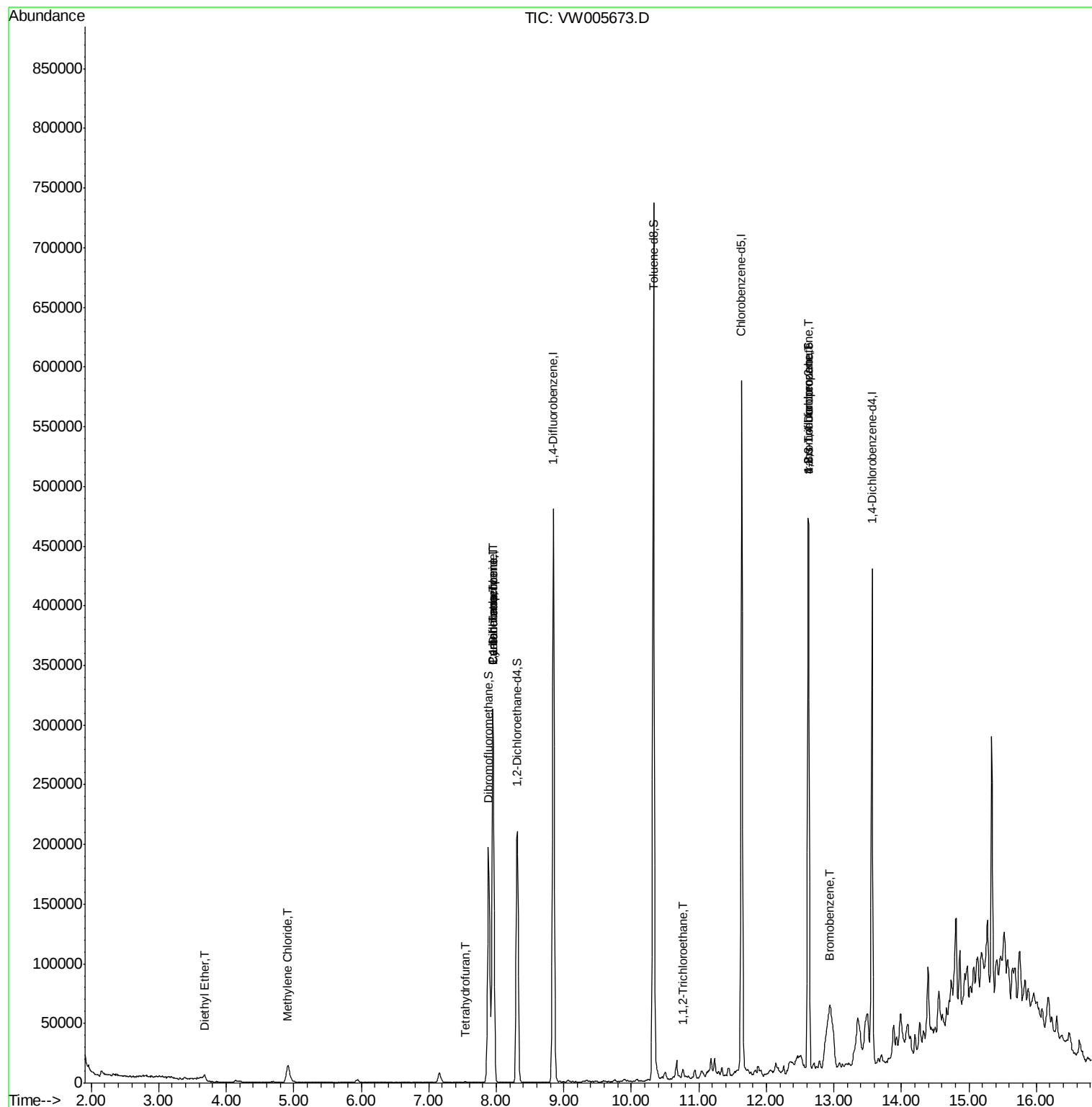
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	2.02	85	76	Below Cal	#	41
8) Diethyl Ether	3.68	74	2477	2.208	ug/l	76
11) Tert butyl alcohol	5.23	59	68	Below Cal	#	72
13) Acrolein	3.64	56	22	Below Cal	#	1
16) Acetone	4.15	43	2592	Below Cal	#	86
20) Methylene Chloride	4.90	84	12898	1.563	ug/l	92
29) Tetrahydrofuran	7.54	42	656	1.606	ug/l #	45
31) Cyclohexane	7.95	56	5160	1.236	ug/l #	1
36) 1,1-Dichloropropene	7.95	75	17681	4.433	ug/l #	50
38) Carbon Tetrachloride	7.95	117	22099	5.171	ug/l #	16
55) 1,1,2-Trichloroethane	10.76	97	2823	1.432	ug/l #	18
76) 1,2,3-Trichloropropane	12.62	75	78797	85.169	ug/l #	100
77) Bromobenzene	12.94	156	77507	43.936	ug/l #	1
81) trans-1,4-Dichloro-2-buten	12.62	75	78797	191.827	ug/l #	7

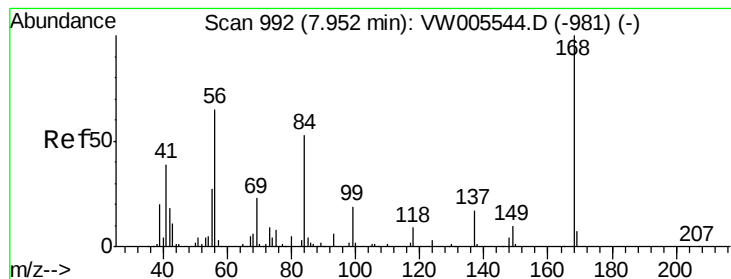
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA_W\DATA\VW092618\
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Quant Time: Sep 27 06:57:50 2018
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Quant Title : SW846 8260
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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: VW005673.D

Acq: 27 Sep 2018 00:09

Instrument :

MSVOA_W

ClientSampleId :

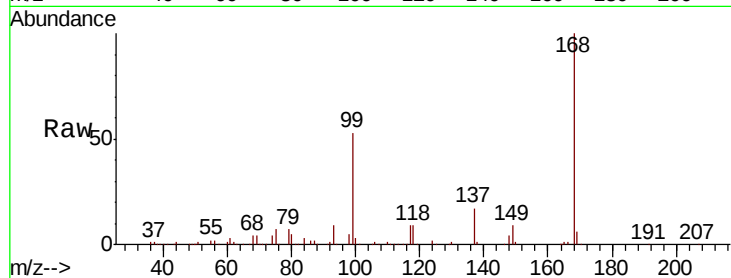
MT-T-5-2

Tgt Ion:168 Resp: 228560

Ion Ratio Lower Upper

168 100

99 53.1 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

120000

100000

80000

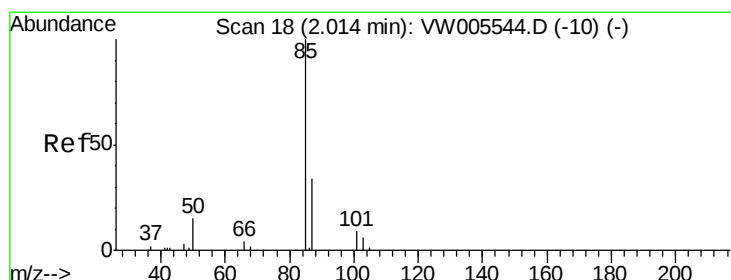
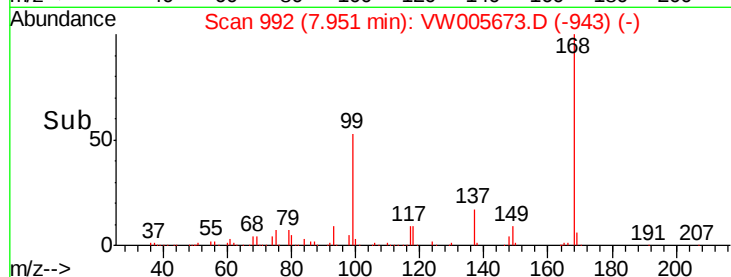
60000

40000

20000

0

Time-->



#2

Dichlorodifluoromethane

Concen: Below Cal

RT: 2.02 min Scan# 19

Delta R.T. 0.01 min

Lab File: VW005673.D

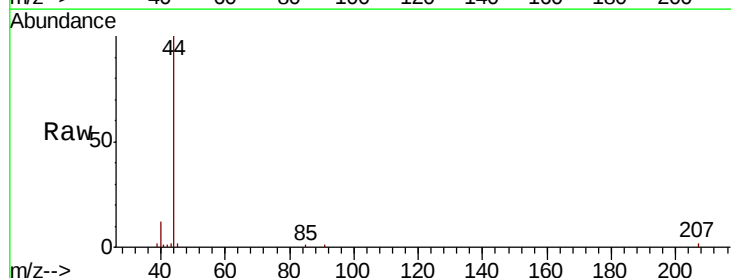
Acq: 27 Sep 2018 00:09

Tgt Ion: 85 Resp: 76

Ion Ratio Lower Upper

85 100

87 0.0 17.0 50.9#



Abundance Ion 84.90 (84.60 to 85.60): VW

Ion 86.90 (86.60 to 87.60): VW

2.02

100

80

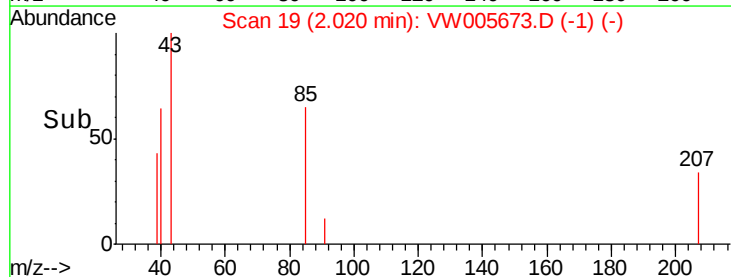
60

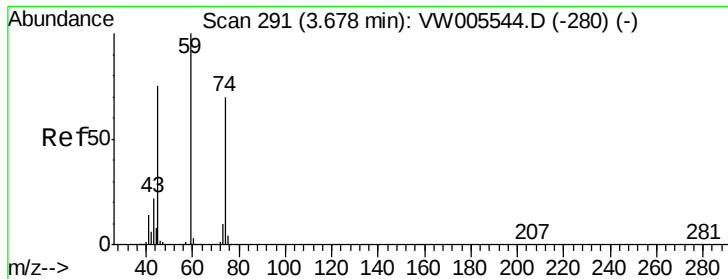
40

20

0

Time-->





#8

Diethyl Ether

Concen: 2.208 ug/l

RT: 3.68 min Scan# 291

Delta R.T. -0.00 min

Lab File: VW005673.D

Acq: 27 Sep 2018 00:09

Instrument :

MSVOA_W

ClientSampleId :

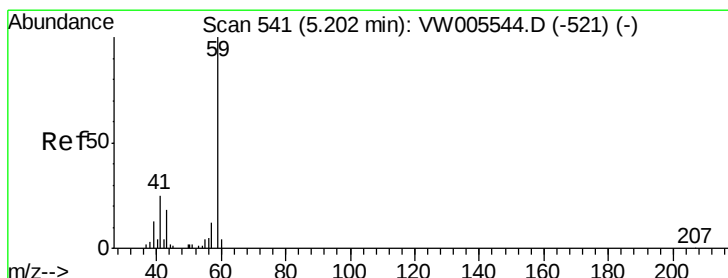
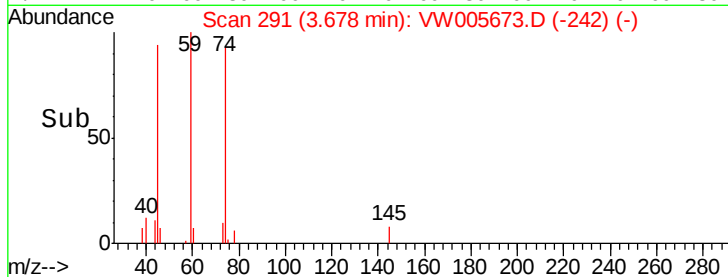
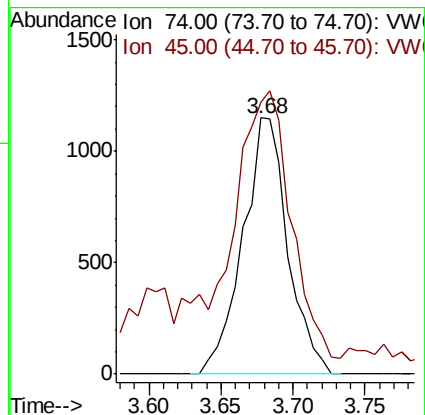
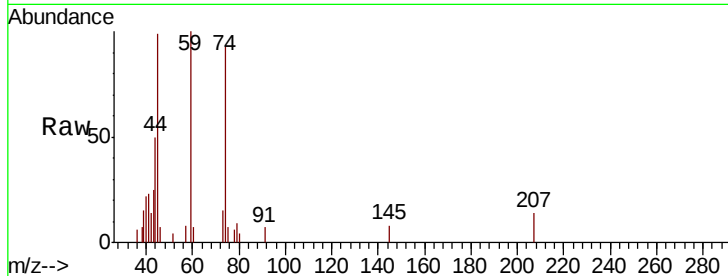
MT-T-5-2

Tgt Ion: 74 Resp: 2477

Ion Ratio Lower Upper

74 100

45 127.5 51.7 155.2



#11

Tert butyl alcohol

Concen: Below Cal

RT: 5.23 min Scan# 545

Delta R.T. 0.02 min

Lab File: VW005673.D

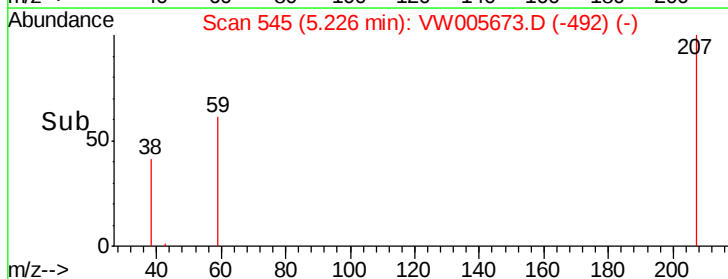
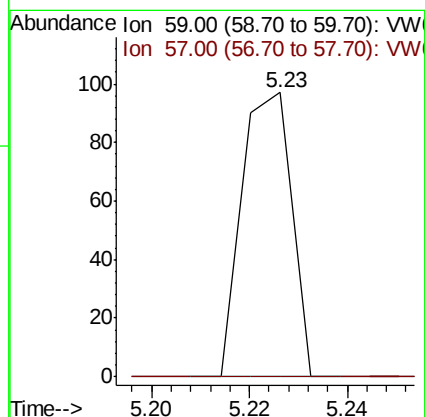
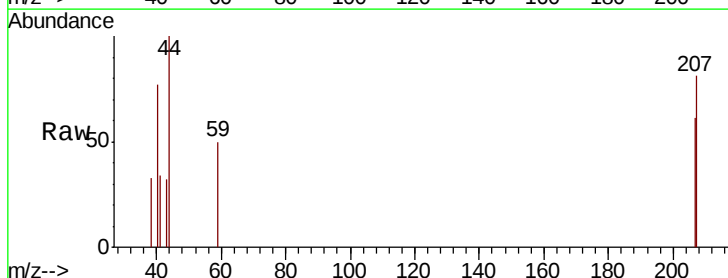
Acq: 27 Sep 2018 00:09

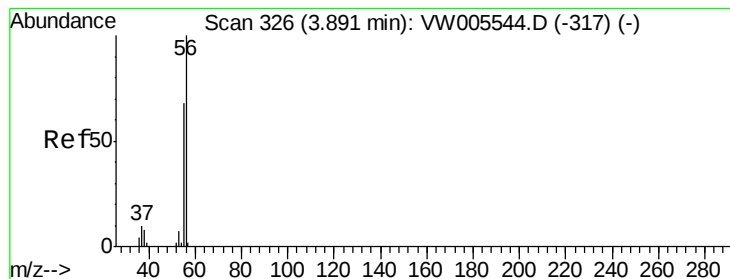
Tgt Ion: 59 Resp: 68

Ion Ratio Lower Upper

59 100

57 0.0 8.3 12.5#





#13

Acrolein

Concen: Below Cal

RT: 3.64 min Scan# 285

Delta R.T. -0.25 min

Lab File: VW005673.D

Acq: 27 Sep 2018 00:09

Instrument :

MSVOA_W

ClientSampled :

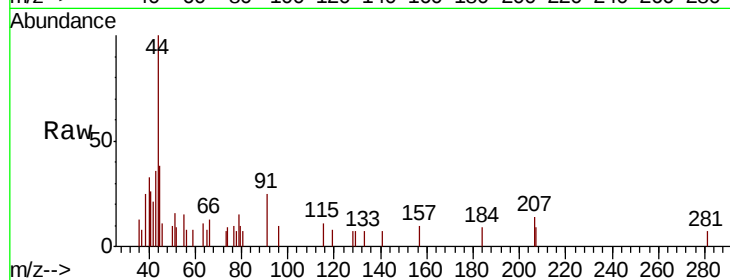
MT-T-5-2

Tgt Ion: 56 Resp: 22

Ion Ratio Lower Upper

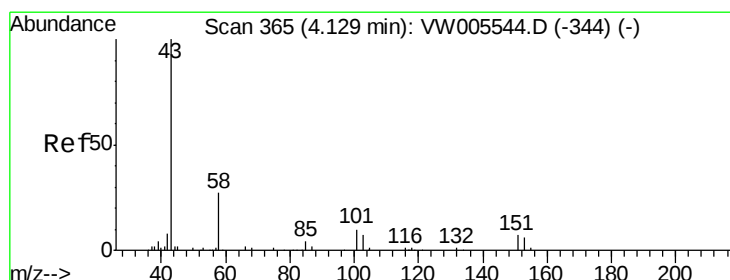
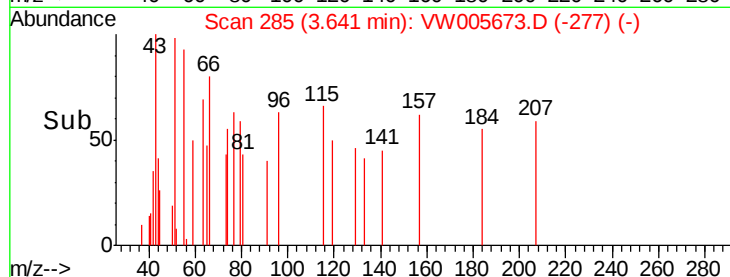
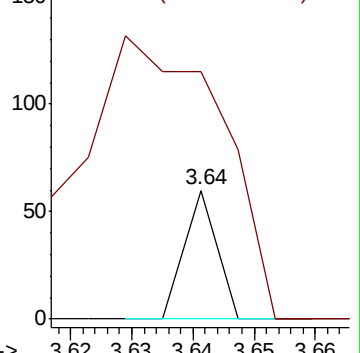
56 100

55 954.5 57.8 86.8#



Abundance Ion 56.00 (55.70 to 56.70): VW

Ion 55.00 (54.70 to 55.70): VW



#16

Acetone

Concen: Below Cal

RT: 4.15 min Scan# 368

Delta R.T. 0.02 min

Lab File: VW005673.D

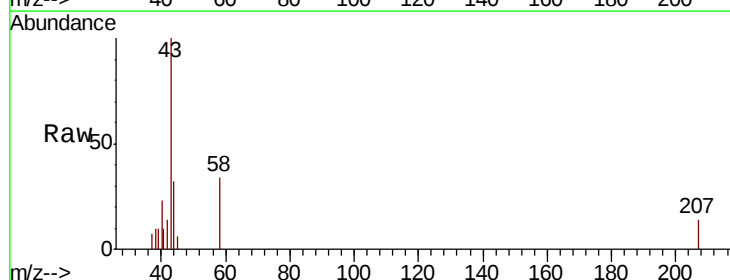
Acq: 27 Sep 2018 00:09

Tgt Ion: 43 Resp: 2592

Ion Ratio Lower Upper

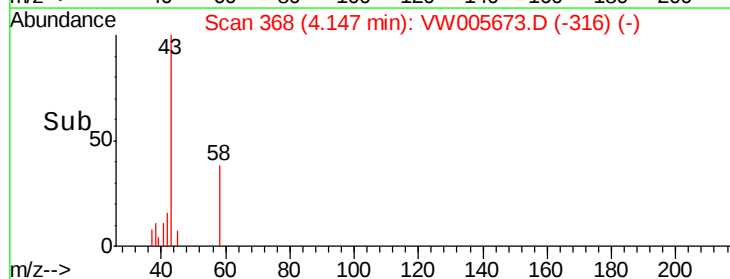
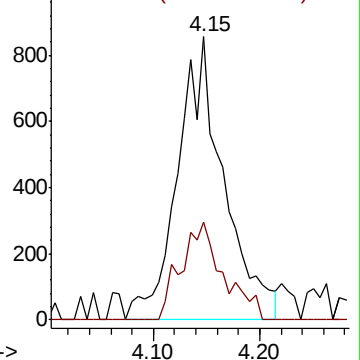
43 100

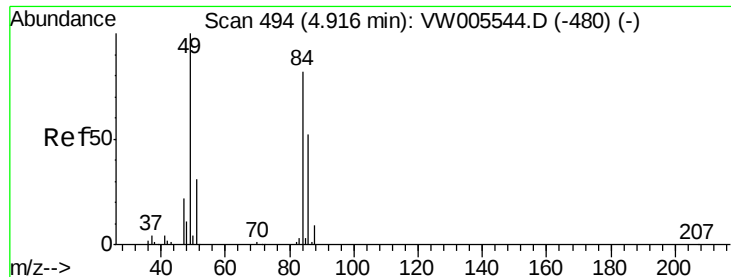
58 34.5 21.8 32.8#



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW

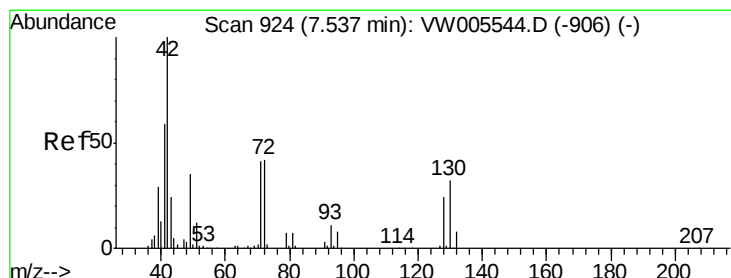
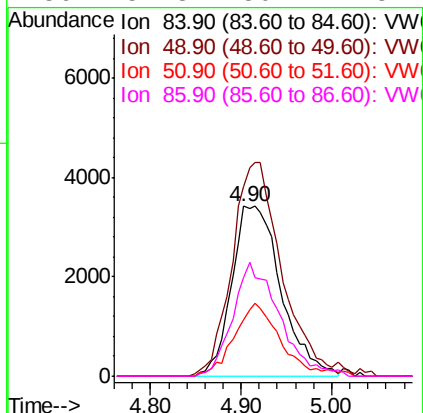
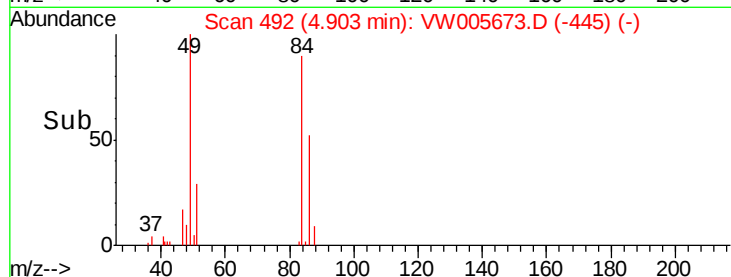
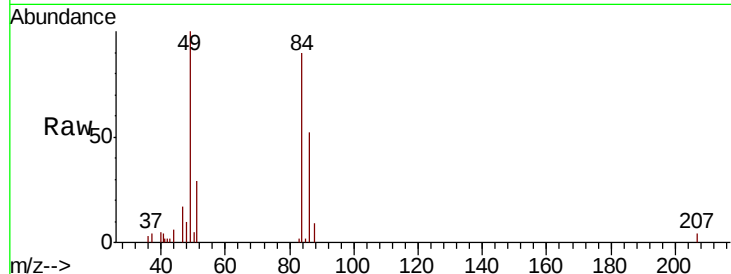




#20
Methylene Chloride
Concen: 1.563 ug/l
RT: 4.90 min Scan# 492
Delta R.T. -0.01 min
Lab File: VW005673.D
Acq: 27 Sep 2018 00:09

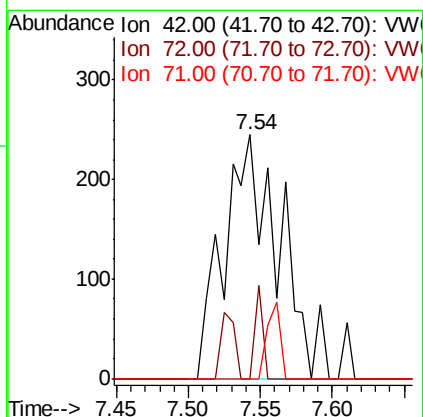
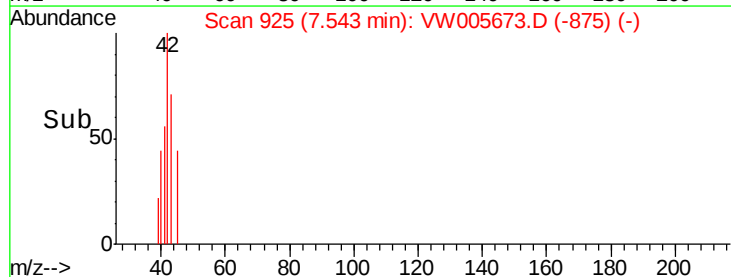
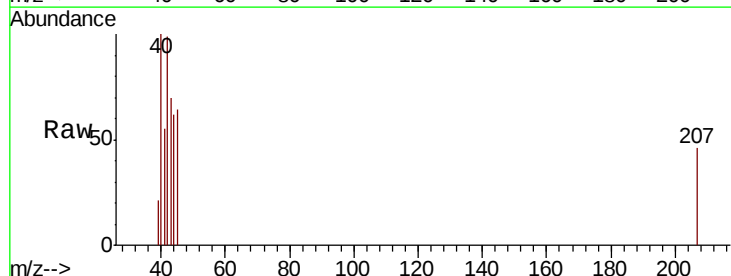
Instrument :
MSVOA_W
ClientSampleId :
MT-T-5-2

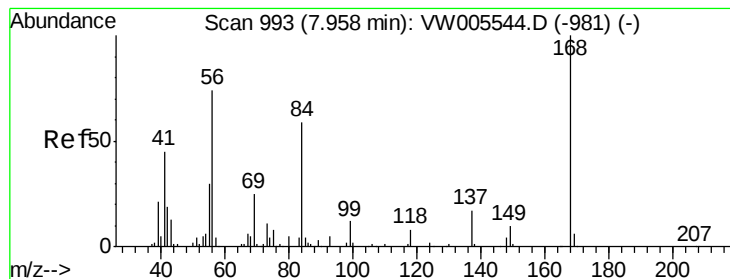
Tgt Ion: 84 Resp: 12898
Ion Ratio Lower Upper
84 100
49 111.4 97.0 145.6
51 32.9 30.2 45.2
86 57.8 50.2 75.4



#29
Tetrahydrofuran
Concen: 1.606 ug/l
RT: 7.54 min Scan# 925
Delta R.T. 0.01 min
Lab File: VW005673.D
Acq: 27 Sep 2018 00:09

Tgt Ion: 42 Resp: 656
Ion Ratio Lower Upper
42 100
72 5.2 33.6 50.4#
71 7.3 31.8 47.6#





#31

Cyclohexane

Concen: 1.236 ug/l

RT: 7.95 min Scan# 992

Delta R.T. -0.01 min

Lab File: VW005673.D

Acq: 27 Sep 2018 00:09

Instrument :

MSVOA_W

ClientSampleId :

MT-T-5-2

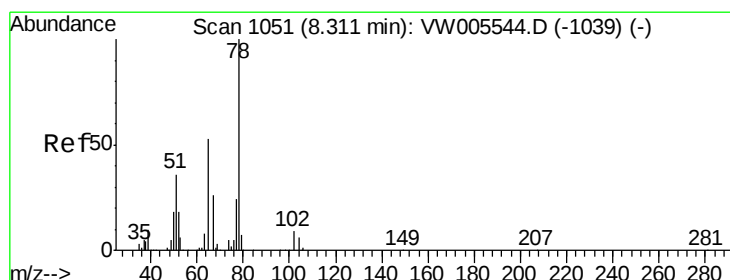
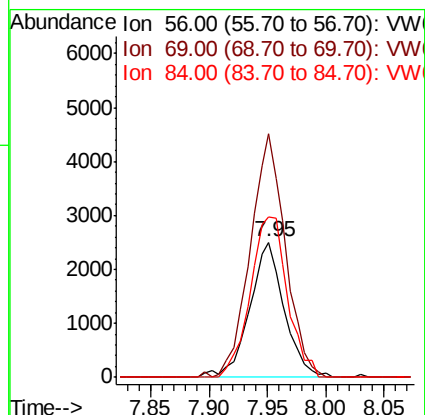
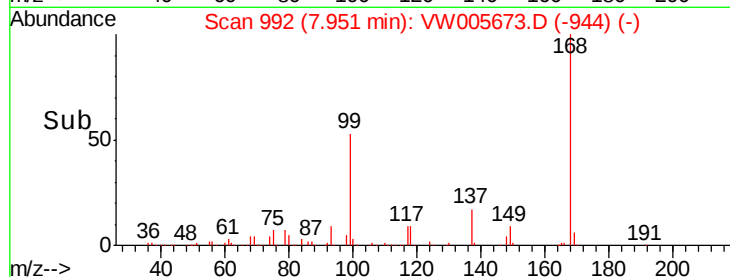
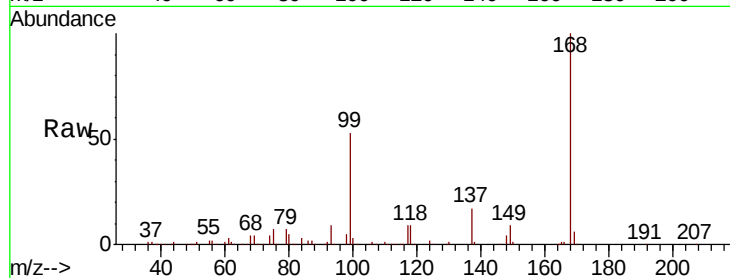
Tgt Ion: 56 Resp: 5160

Ion Ratio Lower Upper

56 100

69 180.4 27.0 40.4#

84 119.2 64.2 96.4#



#33

1,2-Dichloroethane-d4

Concen: 64.342 ug/l

RT: 8.31 min Scan# 1051

Delta R.T. -0.00 min

Lab File: VW005673.D

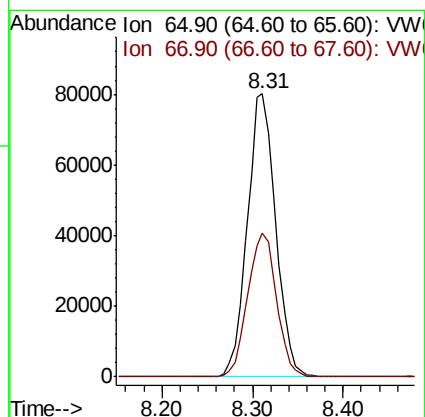
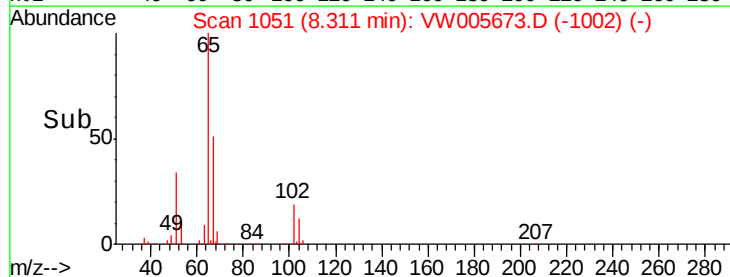
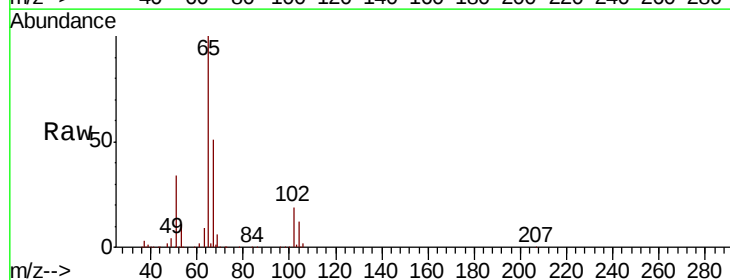
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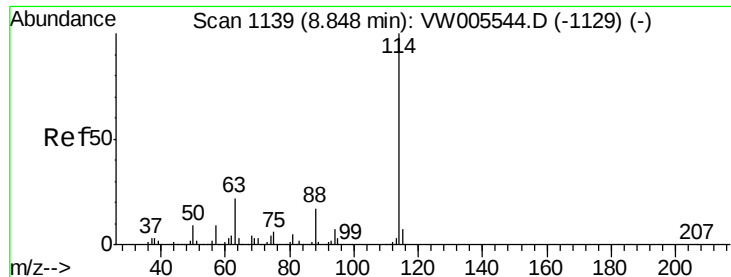
Tgt Ion: 65 Resp: 173248

Ion Ratio Lower Upper

65 100

67 51.8 0.0 100.6

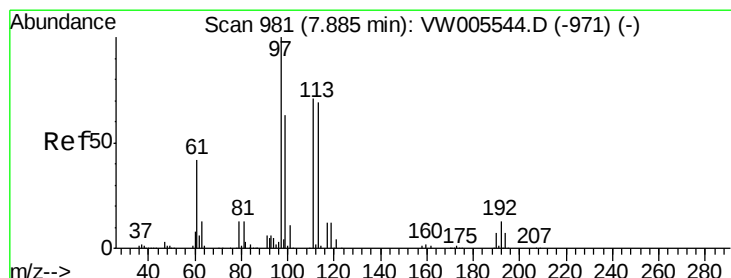
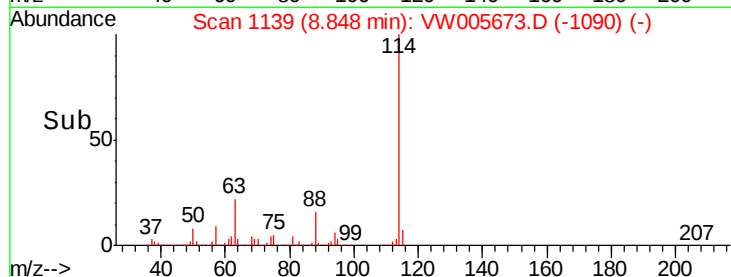
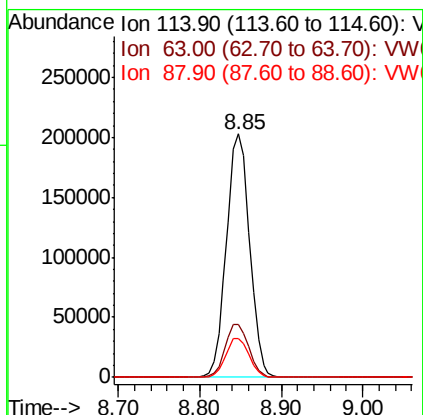
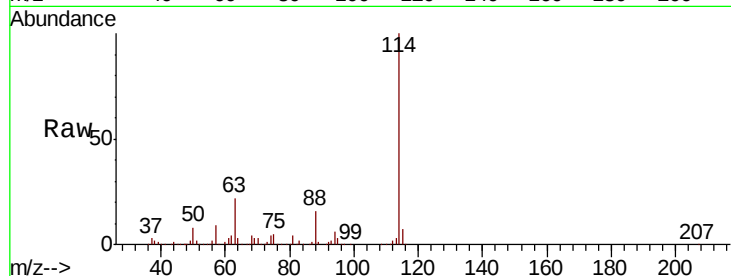




#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.85 min Scan# 1139
 Delta R.T. -0.00 min
 Lab File: VW005673.D
 Acq: 27 Sep 2018 00:09

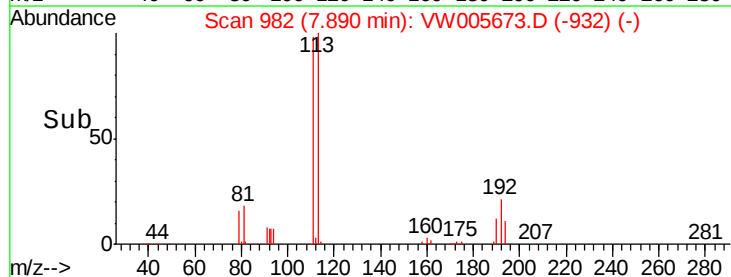
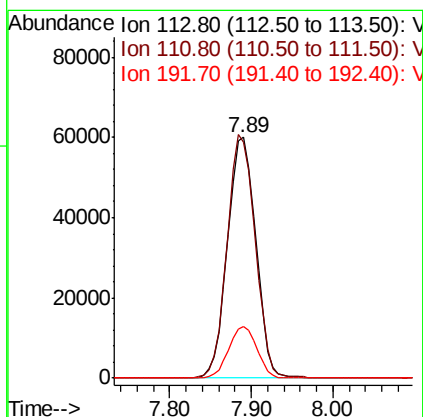
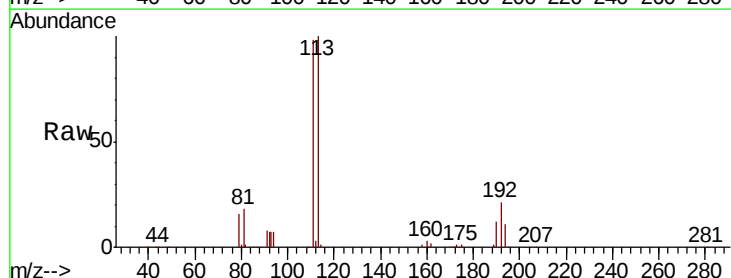
Instrument :
 MSVOA_W
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 MT-T-5-2

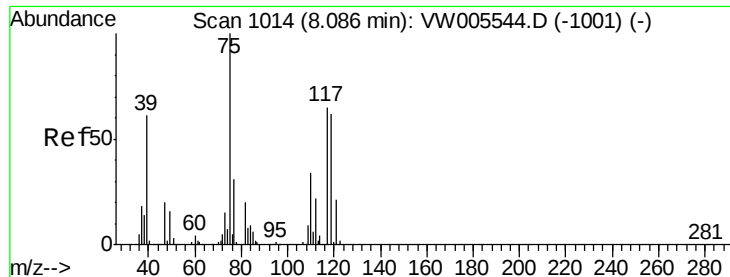
Tgt Ion	Ratio	Lower	Upper
114	100		
63	21.6	0.0	43.0
88	15.8	0.0	33.0



#35
 Dibromofluoromethane
 Concen: 57.687 ug/l
 RT: 7.89 min Scan# 982
 Delta R.T. 0.01 min
 Lab File: VW005673.D
 Acq: 27 Sep 2018 00:09

Tgt Ion	Ratio	Lower	Upper
113	100		
111	100.0	82.6	123.8
192	21.3	17.0	25.4

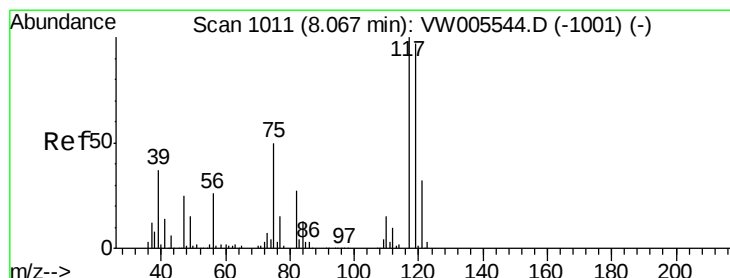
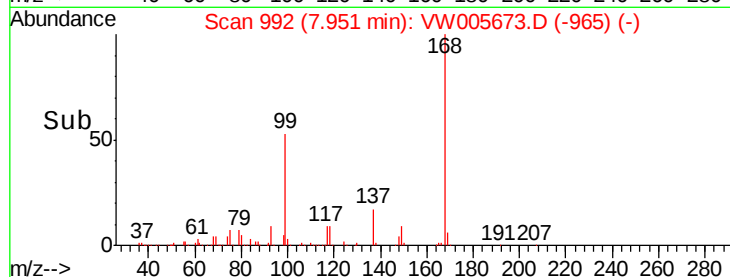
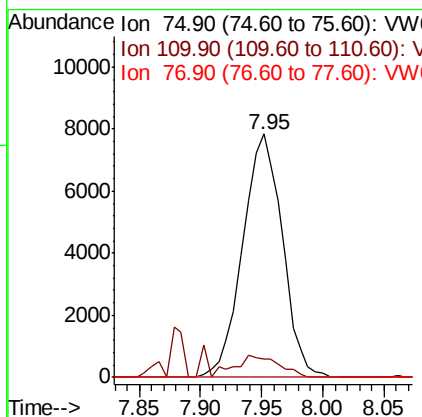
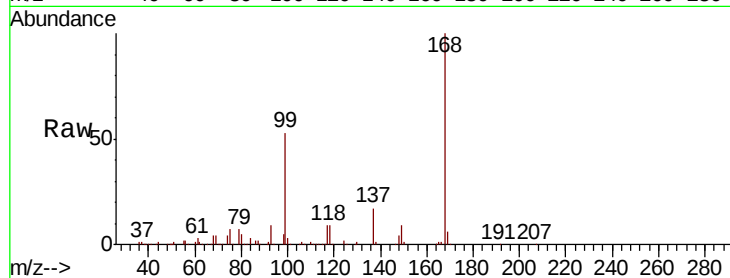




#36
 1,1-Dichloropropene
 Concen: 4.433 ug/l
 RT: 7.95 min Scan# 992
 Delta R.T. -0.13 min
 Lab File: VW005673.D
 Acq: 27 Sep 2018 00:09

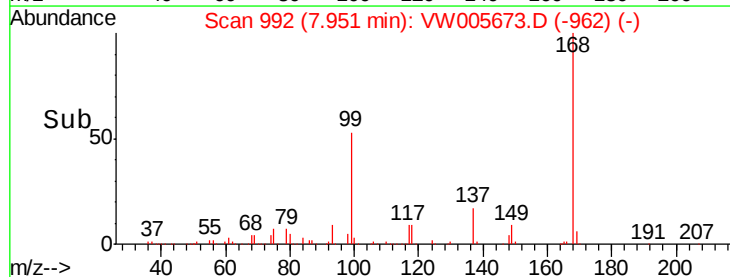
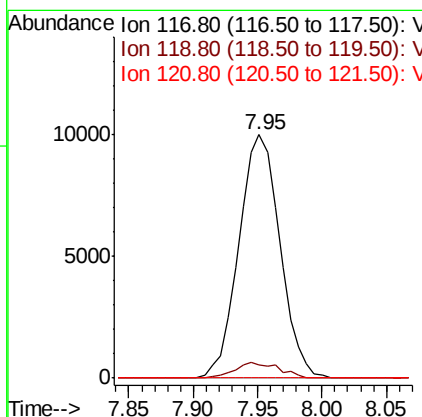
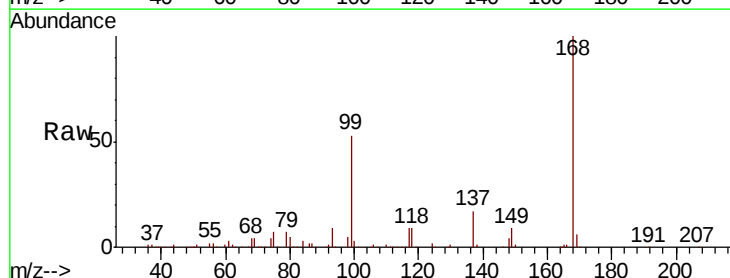
Instrument :
 MSVOA_W
 ClientSampled :
 MT-T-5-2

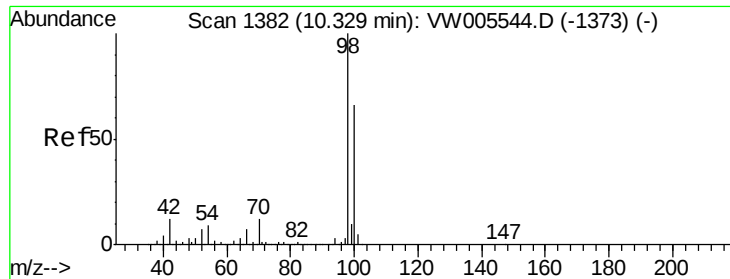
Tgt Ion: 75 Resp: 17681
 Ion Ratio Lower Upper
 75 100
 110 8.9 17.0 50.9#
 77 0.0 24.8 37.2#



#38
 Carbon Tetrachloride
 Concen: 5.171 ug/l
 RT: 7.95 min Scan# 992
 Delta R.T. -0.12 min
 Lab File: VW005673.D
 Acq: 27 Sep 2018 00:09

Tgt Ion: 117 Resp: 22099
 Ion Ratio Lower Upper
 117 100
 119 5.2 77.6 116.4#
 121 0.0 25.7 38.5#





#50

Toluene-d8

Concen: 46.401 ug/l

RT: 10.33 min Scan# 1382

Delta R.T. -0.00 min

Lab File: VW005673.D

Acq: 27 Sep 2018 00:09

Instrument :

MSVOA_W

ClientSampleId :

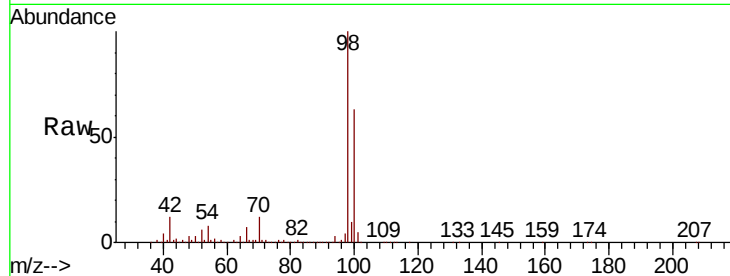
MT-T-5-2

Tgt Ion: 98 Resp: 470746

Ion Ratio Lower Upper

98 100

100 63.9 51.6 77.4



Abundance Ion 98.00 (97.70 to 98.70): VW

Ion 100.00 (99.70 to 100.70): VW

10.33

250000

200000

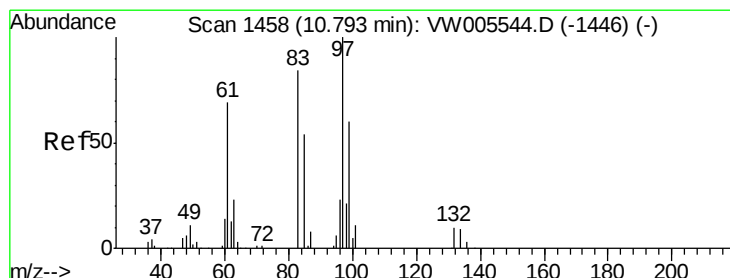
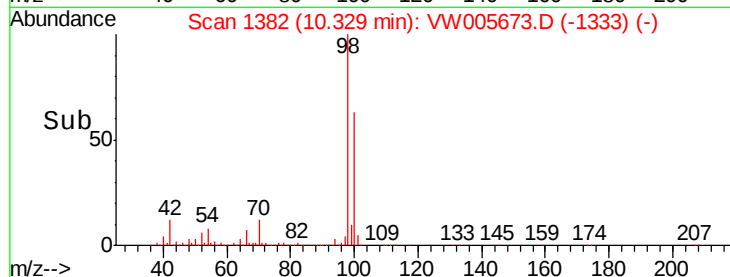
150000

100000

50000

0

Time-->



#55

1,1,2-Trichloroethane

Concen: 1.432 ug/l

RT: 10.76 min Scan# 1453

Delta R.T. -0.03 min

Lab File: VW005673.D

Acq: 27 Sep 2018 00:09

Tgt Ion: 97 Resp: 2823

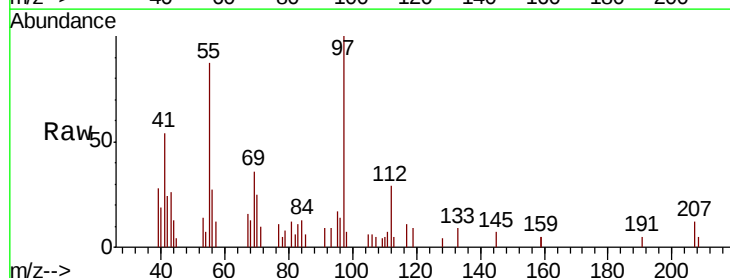
Ion Ratio Lower Upper

97 100

83 0.0 67.4 101.2#

85 6.4 43.3 64.9#

99 0.0 48.0 72.0#



Abundance Ion 96.90 (96.60 to 97.60): VW

Ion 82.90 (82.60 to 83.60): VW

Ion 84.90 (84.60 to 85.60): VW

Ion 98.90 (98.60 to 99.60): VW

2500

2000

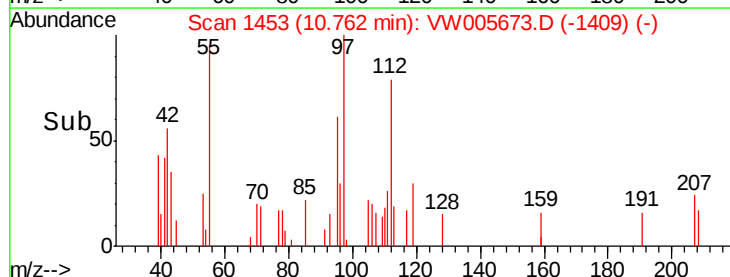
1500

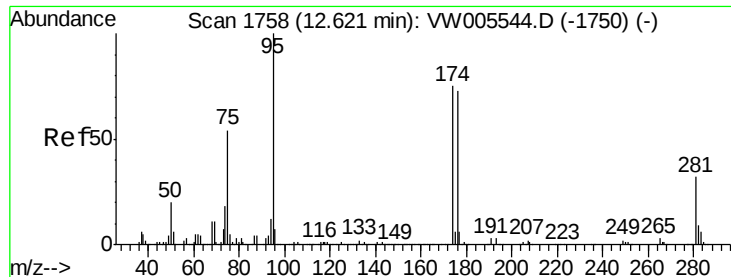
1000

500

0

Time-->

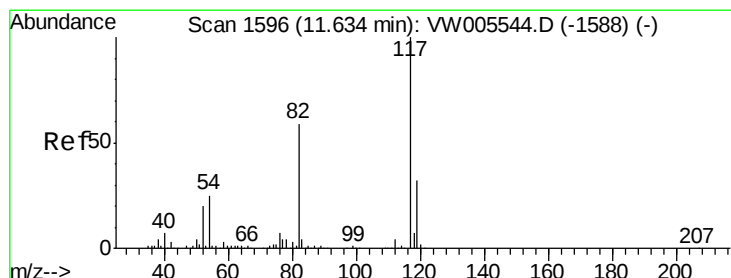
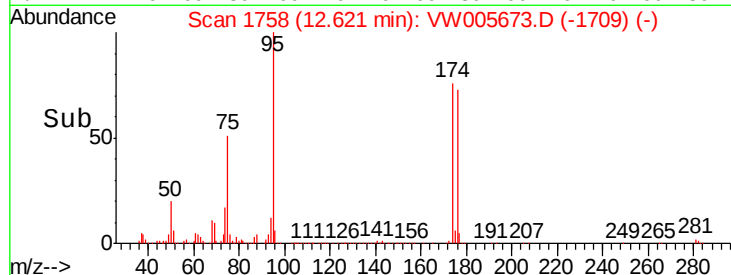
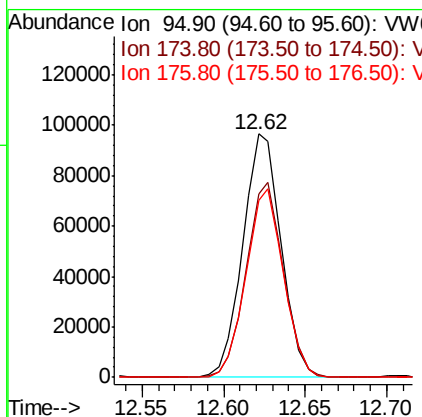
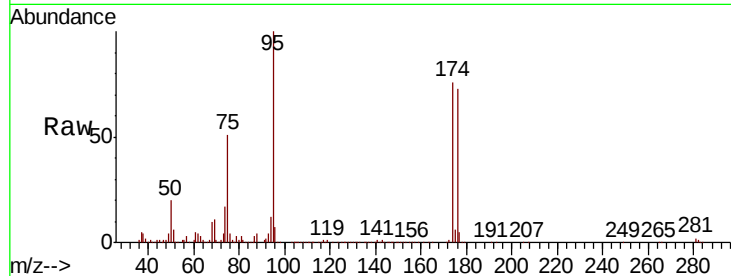




#62
4-Bromofluorobenzene
Concen: 41.683 ug/l
RT: 12.62 min Scan# 1758
Delta R.T. -0.00 min
Lab File: VW005673.D
Acq: 27 Sep 2018 00:09

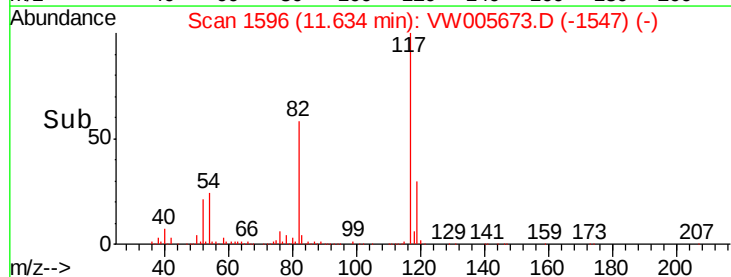
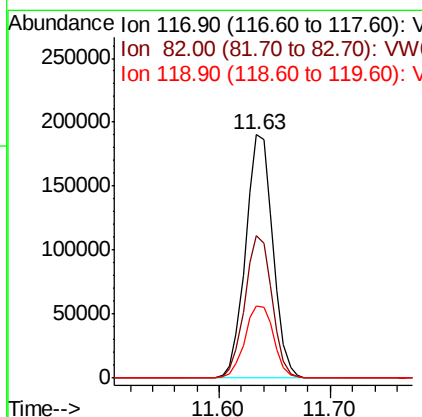
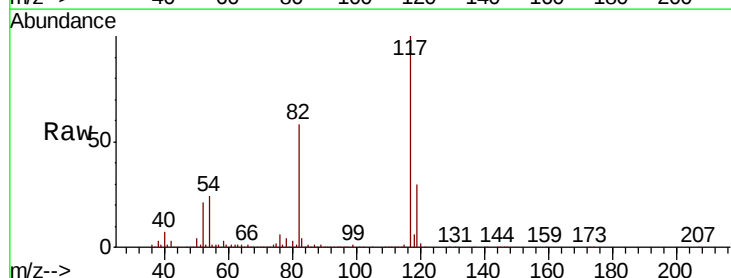
Instrument :
MSVOA_W
ClientSampleId :
MT-T-5-2

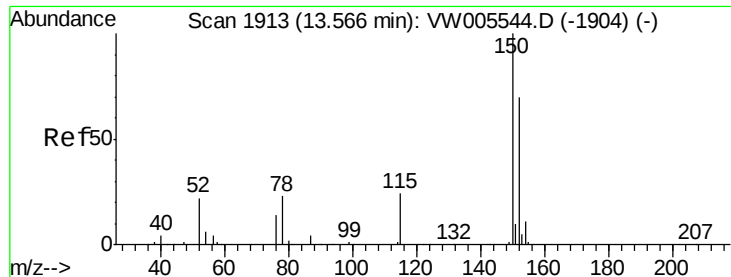
Tgt Ion: 95 Resp: 156476
Ion Ratio Lower Upper
95 100
174 78.4 0.0 163.8
176 76.2 0.0 158.0



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1596
Delta R.T. -0.00 min
Lab File: VW005673.D
Acq: 27 Sep 2018 00:09

Tgt Ion: 117 Resp: 323042
Ion Ratio Lower Upper
117 100
82 58.3 46.9 70.3
119 29.5 25.7 38.5





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.57 min Scan# 1913

Delta R.T. -0.00 min

Lab File: VW005673.D

Acq: 27 Sep 2018 00:09

Instrument :

MSVOA_W

ClientSampleId :

MT-T-5-2

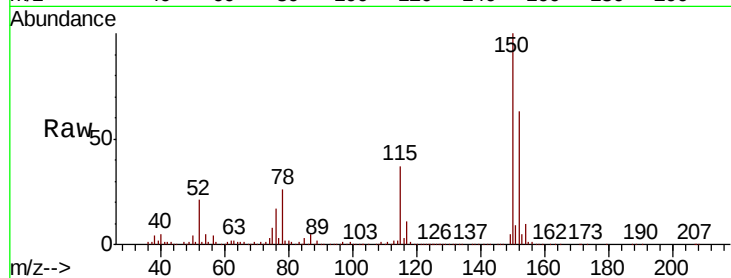
Tgt Ion:152 Resp: 108534

Ion Ratio Lower Upper

152 100

115 60.6 30.0 90.0

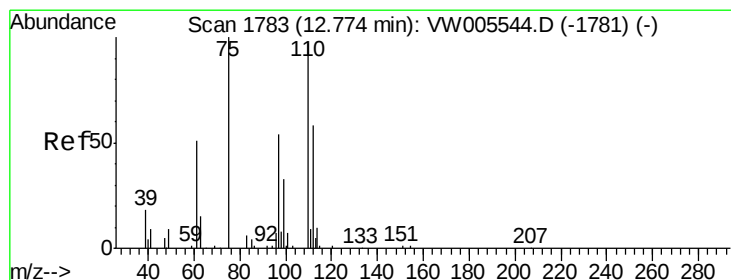
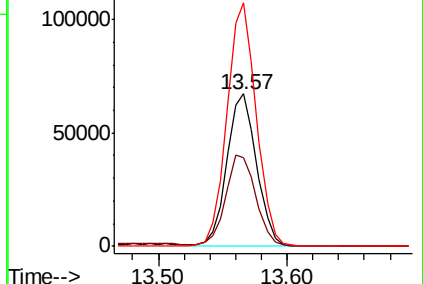
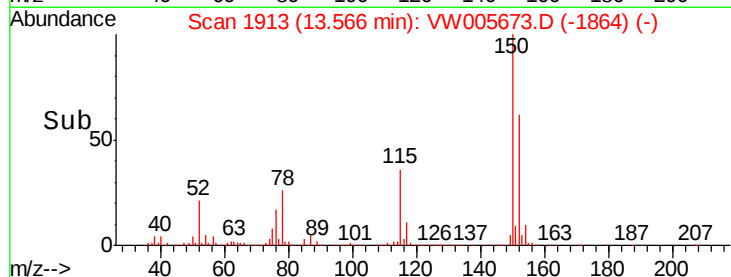
150 156.6 0.0 348.6



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: 85.169 ug/l

RT: 12.62 min Scan# 1758

Delta R.T. -0.15 min

Lab File: VW005673.D

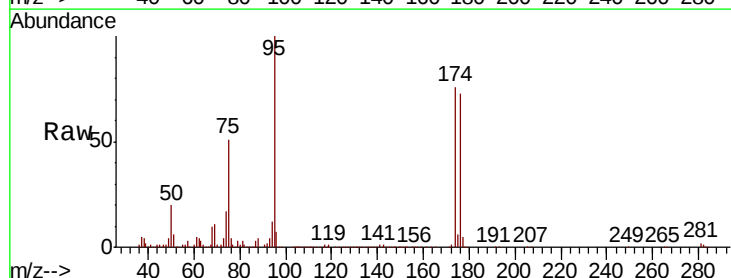
Acq: 27 Sep 2018 00:09

Tgt Ion: 75 Resp: 78797

Ion Ratio Lower Upper

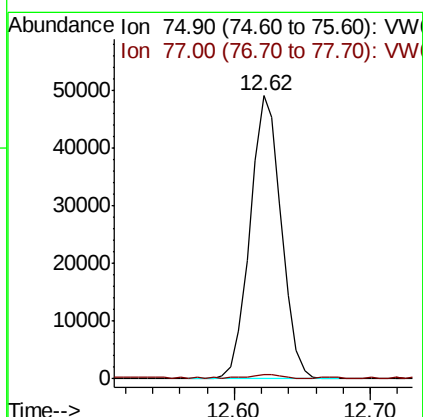
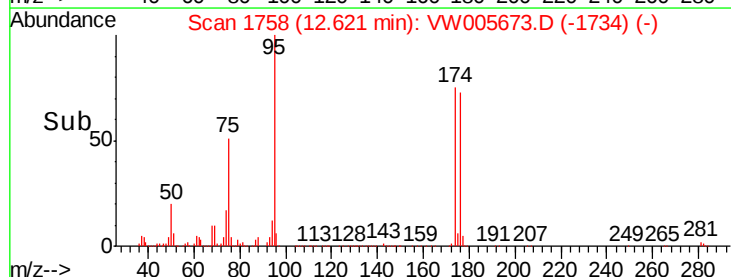
75 100

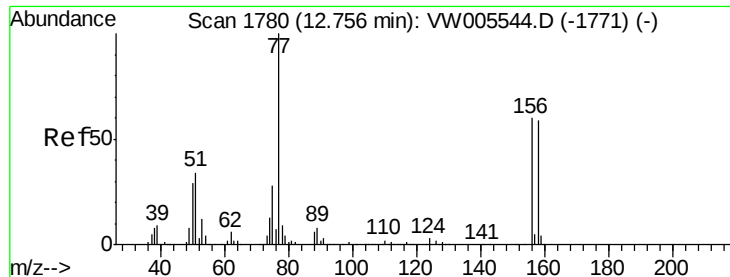
77 1.2 0.0 0.0#



Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 77.00 (76.70 to 77.70): VW





#77

Bromobenzene

Concen: 43.936 ug/l

RT: 12.94 min Scan# 1811

Delta R.T. 0.19 min

Lab File: VW005673.D

Acq: 27 Sep 2018 00:09

Instrument :

MSVOA_W

ClientSampleId :

MT-T-5-2

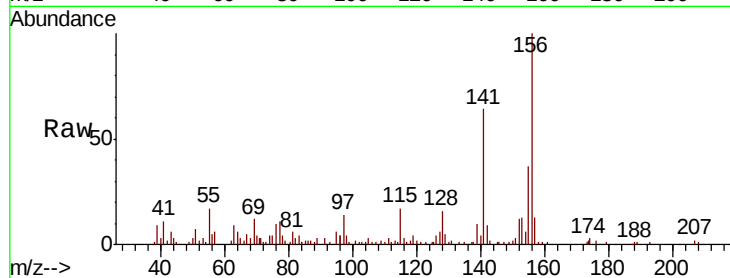
Tgt Ion:156 Resp: 77507

Ion Ratio Lower Upper

156 100

77 0.0 94.7 284.1#

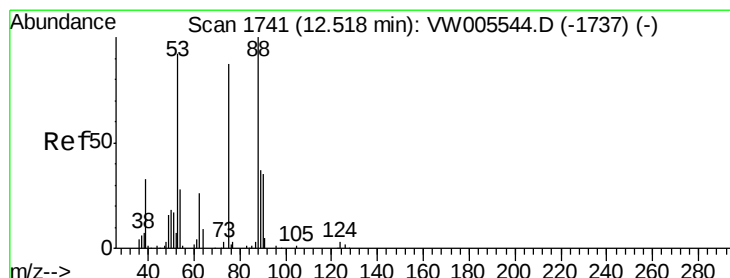
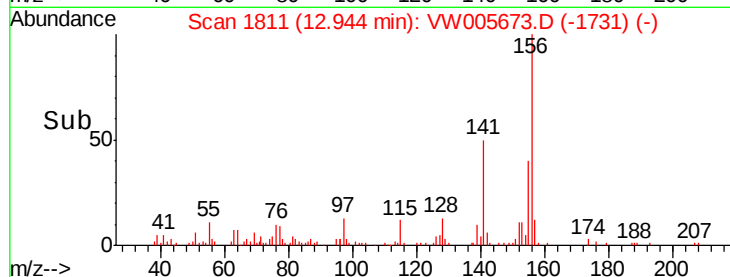
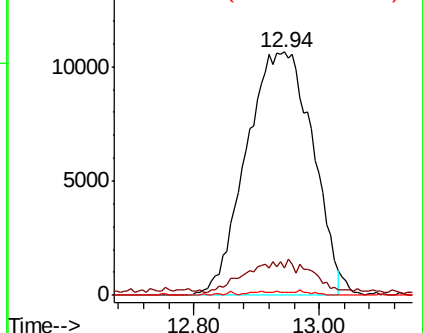
158 0.4 48.0 144.2#



Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VW

Ion 157.80 (157.50 to 158.50): V



#81

trans-1,4-Dichloro-2-butene

Concen: 191.827 ug/l

RT: 12.62 min Scan# 1758

Delta R.T. 0.10 min

Lab File: VW005673.D

Acq: 27 Sep 2018 00:09

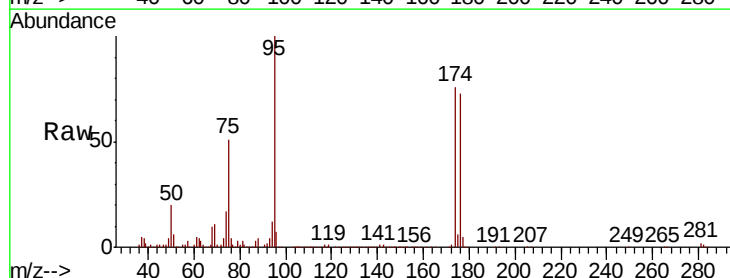
Tgt Ion: 75 Resp: 78797

Ion Ratio Lower Upper

75 100

53 0.4 85.8 128.6#

89 0.0 37.3 55.9#



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

