

Data Path : W:\HPCHEM1\MSVOA_W\DATA\VW052518\
 Data File : VW002885.D
 Acq On : 25 May 2018 20:26
 Operator : JC/SY
 Sample : J3078-13RE
 Misc : 5.00G/5ML/MSVOA_W/SOIL
 ALS Vial : 19 Sample Multiplier: 1

Quant Time: May 26 00:43:31 2018
 Quant Method : W:\HPCHEM1\MSVOA_W\METHOD\82W051518S.M
 Quant Title : SW846 8260
 QLast Update : Tue May 15 03:32:11 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	130893	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.85	114	209374	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.64	117	169012	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.57	152	59362	50.00	ug/l	0.00

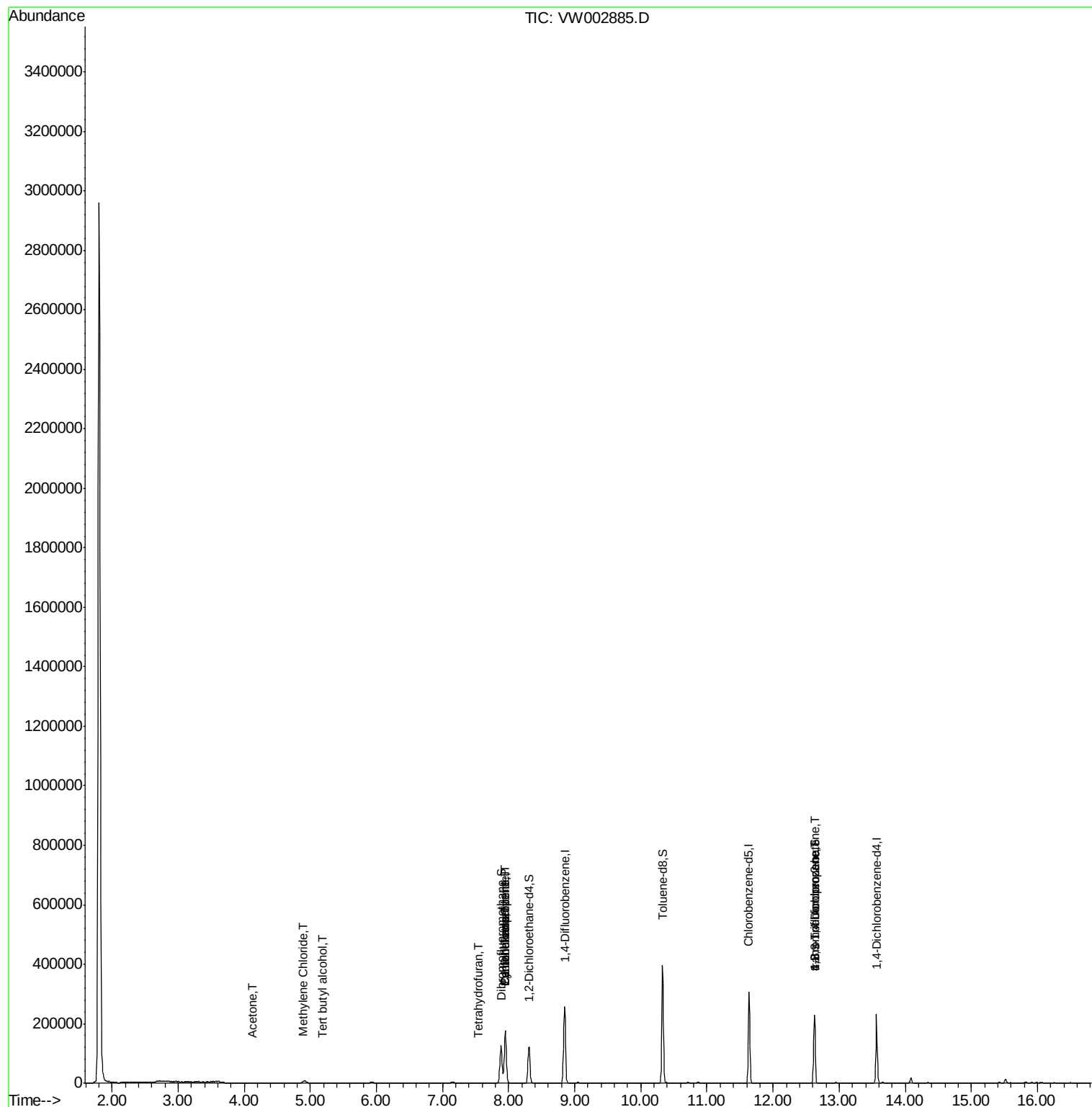
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.31	65	97099	71.79	ug/l	0.00
Spiked Amount	50.000		Recovery	=	143.58%	
35) Dibromofluoromethane	7.88	113	86053	64.79	ug/l	0.00
Spiked Amount	50.000		Recovery	=	129.58%	
50) Toluene-d8	10.33	98	251882	49.84	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.68%	
62) 4-Bromofluorobenzene	12.63	95	66874	36.19	ug/l	0.00
Spiked Amount	50.000		Recovery	=	72.38%	

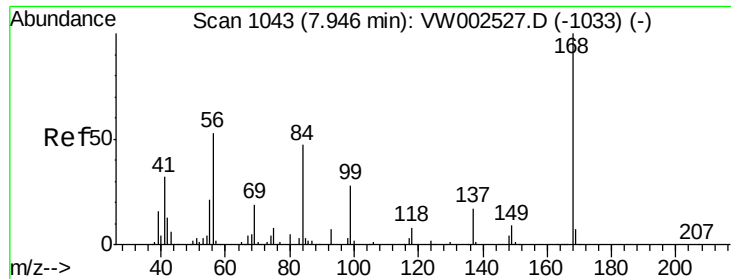
Target Compounds						Qvalue
11) Tert butyl alcohol	5.18	59	105	1.01	ug/l #	72
16) Acetone	4.13	43	1054	3.69	ug/l #	45
20) Methylene Chloride	4.90	84	6185	2.85	ug/l	88
29) Tetrahydrofuran	7.54	42	471	1.87	ug/l #	65
31) Cyclohexane	7.95	56	3121	1.62	ug/l #	41
36) 1,1-Dichloropropene	7.95	75	10596	5.73	ug/l #	48
38) Carbon Tetrachloride	7.95	117	13377	7.39	ug/l #	17
76) 1,2,3-Trichloropropane	12.63	75	35772	63.75	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.63	75	35772	173.81	ug/l #	8

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

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Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 7.95 min Scan# 1044

Delta R.T. 0.01 min

Lab File: VW002885.D

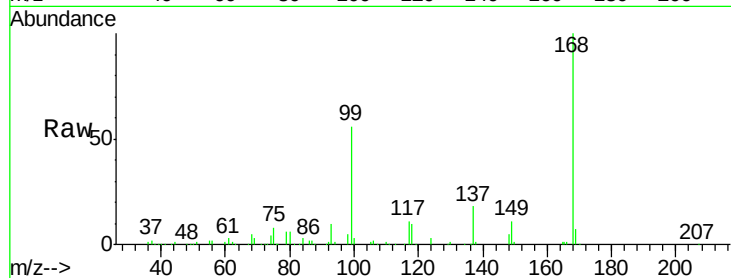
Acq: 25 May 2018 20:26

Tgt Ion: 168 Resp: 130893

Ion Ratio Lower Upper

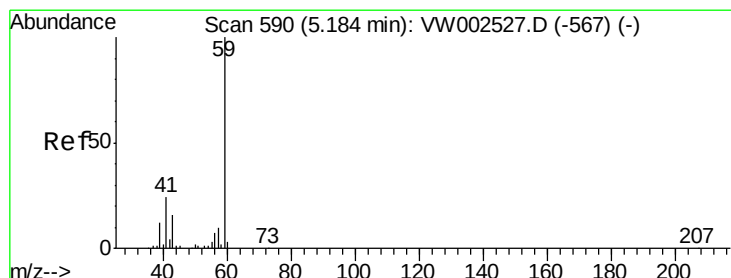
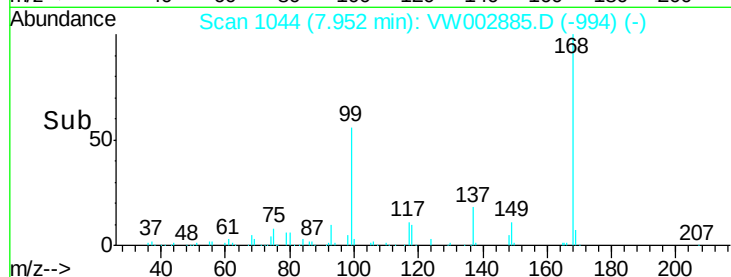
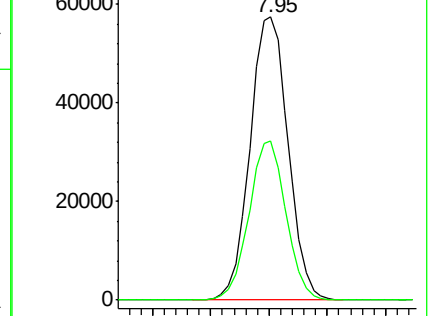
168 100

99 56.5 42.6 64.0



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW



#11

Tert butyl alcohol

Concen: 1.01 ug/l

RT: 5.18 min Scan# 590

Delta R.T. -0.00 min

Lab File: VW002885.D

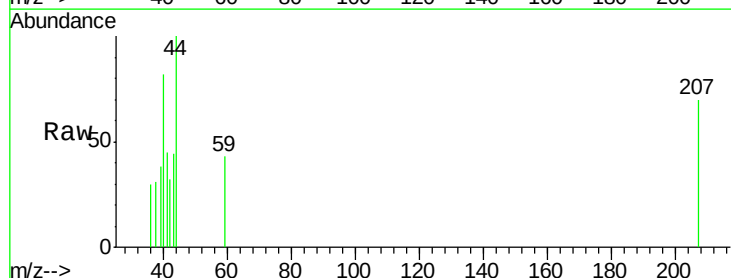
Acq: 25 May 2018 20:26

Tgt Ion: 59 Resp: 105

Ion Ratio Lower Upper

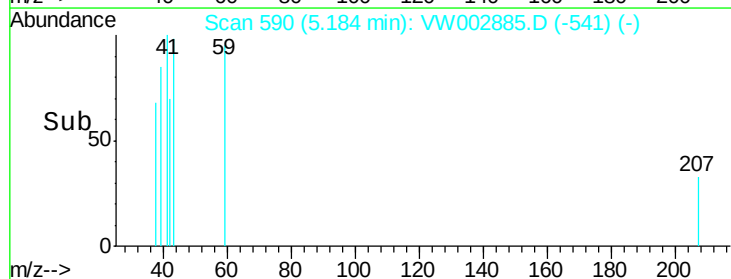
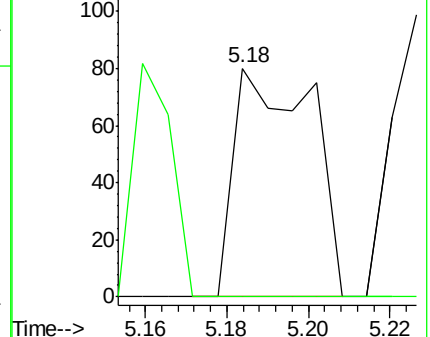
59 100

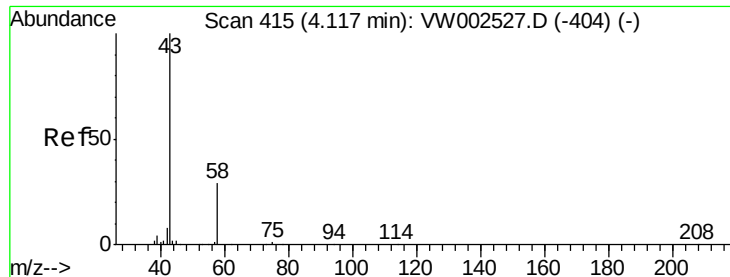
57 0.0 8.2 12.4#



Abundance Ion 59.00 (58.70 to 59.70): VW

Ion 57.00 (56.70 to 57.70): VW





#16

Acetone

Concen: 3.69 ug/l

RT: 4.13 min Scan# 417

Delta R.T. 0.01 min

Lab File: VW002885.D

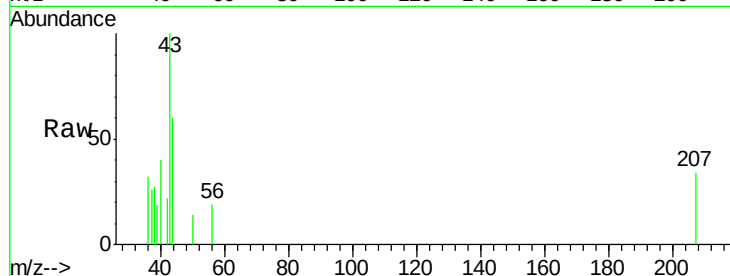
Acq: 25 May 2018 20:26

Tgt Ion: 43 Resp: 1054

Ion Ratio Lower Upper

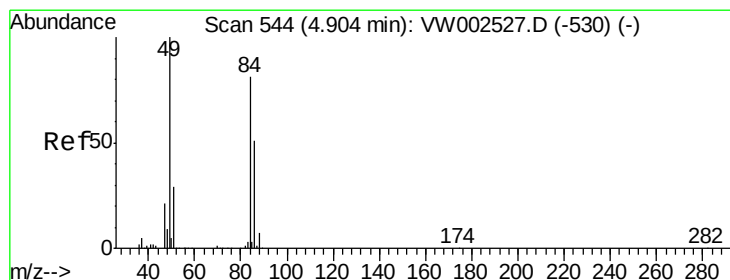
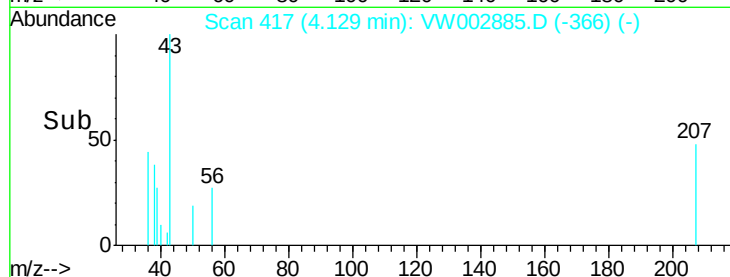
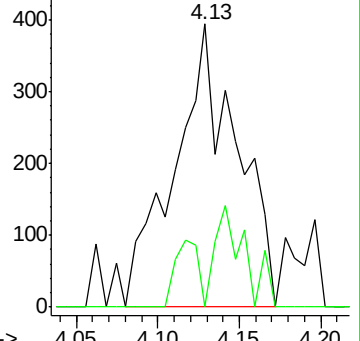
43 100

58 0.0 23.4 35.0#



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW



#20

Methylene Chloride

Concen: 2.85 ug/l

RT: 4.90 min Scan# 544

Delta R.T. 0.00 min

Lab File: VW002885.D

Acq: 25 May 2018 20:26

Tgt Ion: 84 Resp: 6185

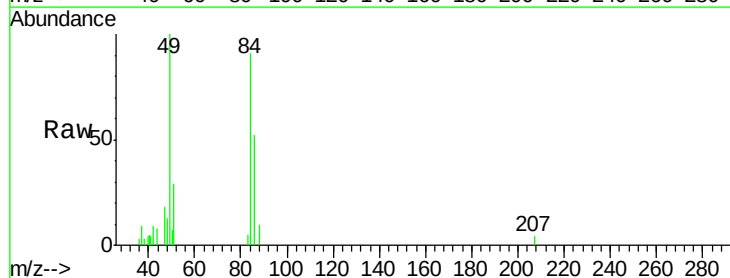
Ion Ratio Lower Upper

84 100

49 105.9 99.4 149.0

51 32.2 29.0 43.6

86 56.8 50.3 75.5

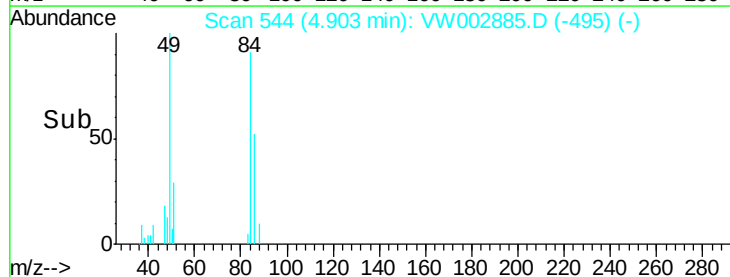
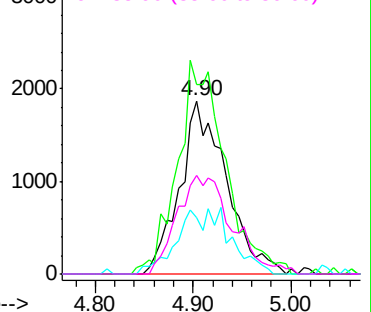


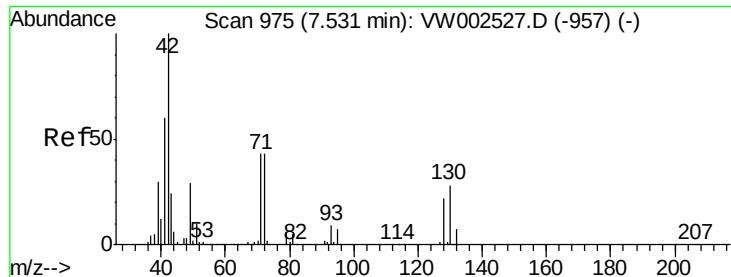
Abundance Ion 83.90 (83.60 to 84.60): VW

Ion 48.90 (48.60 to 49.60): VW

Ion 50.90 (50.60 to 51.60): VW

Ion 85.90 (85.60 to 86.60): VW





#29

Tetrahydrofuran

Concen: 1.87 ug/l

RT: 7.54 min Scan# 976

Delta R.T. 0.01 min

Lab File: VW002885.D

Acq: 25 May 2018 20:26

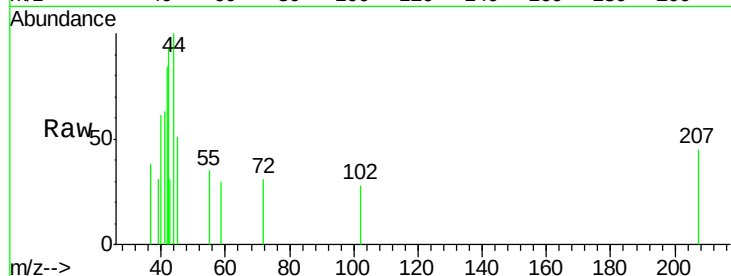
Tgt Ion: 42 Resp: 471

Ion Ratio Lower Upper

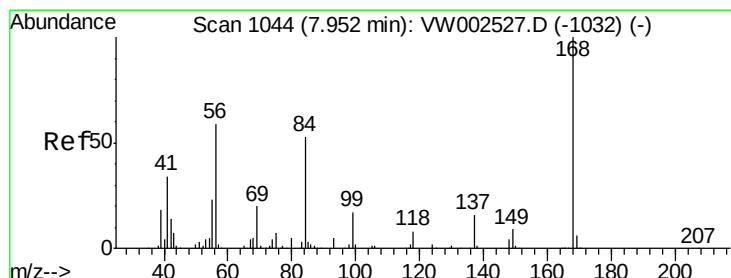
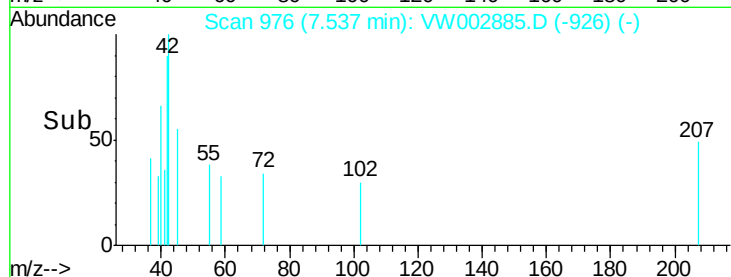
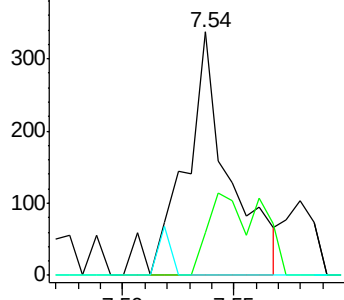
42 100

72 39.7 35.0 52.4

71 0.0 33.0 49.6#



Abundance Ion 42.00 (41.70 to 42.70): VW
Ion 72.00 (71.70 to 72.70): VW
Ion 71.00 (70.70 to 71.70): VW



#31

Cyclohexane

Concen: 1.62 ug/l

RT: 7.95 min Scan# 1044

Delta R.T. -0.00 min

Lab File: VW002885.D

Acq: 25 May 2018 20:26

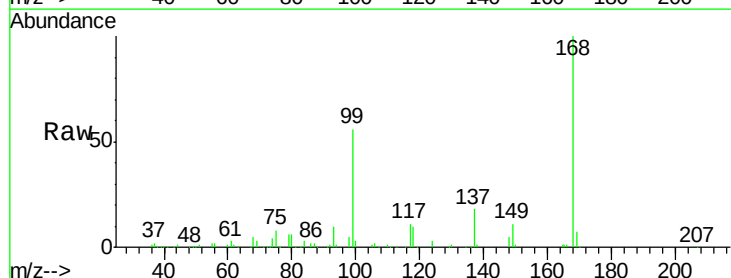
Tgt Ion: 56 Resp: 3121

Ion Ratio Lower Upper

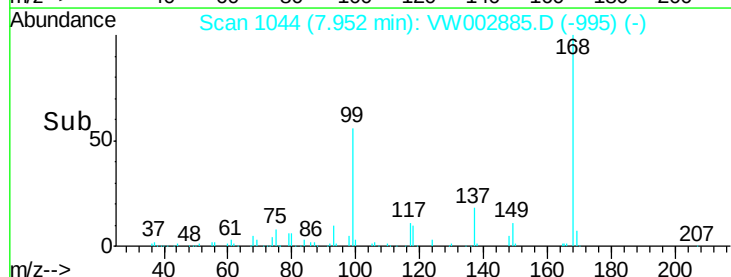
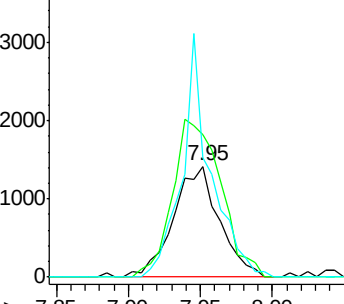
56 100

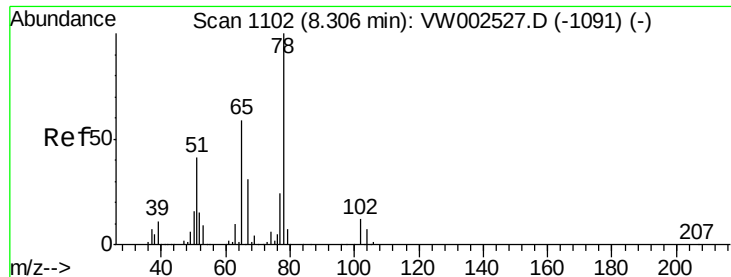
69 128.7 27.0 40.4#

84 107.6 72.2 108.2



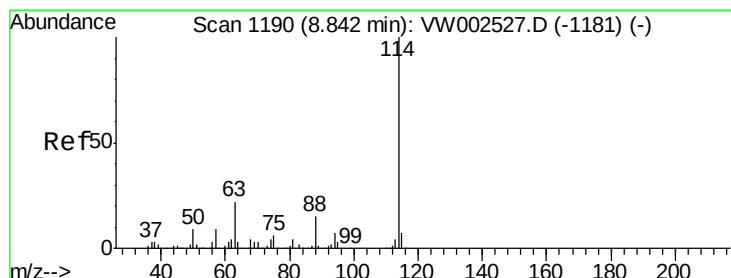
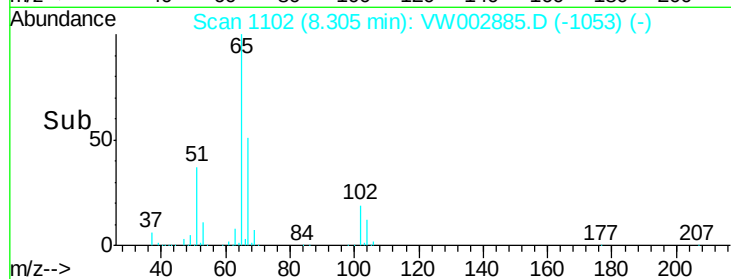
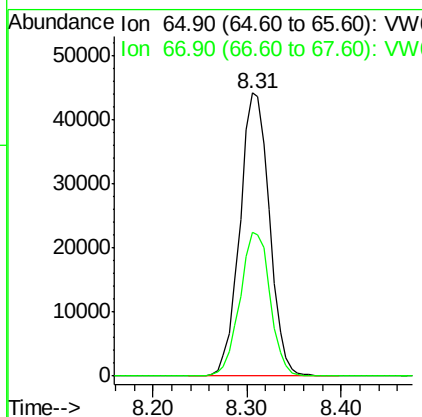
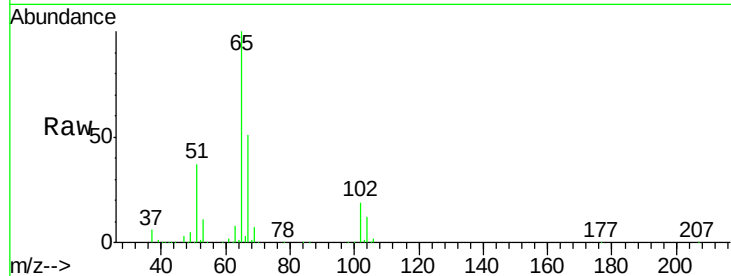
Abundance Ion 56.00 (55.70 to 56.70): VW
Ion 69.00 (68.70 to 69.70): VW
Ion 84.00 (83.70 to 84.70): VW





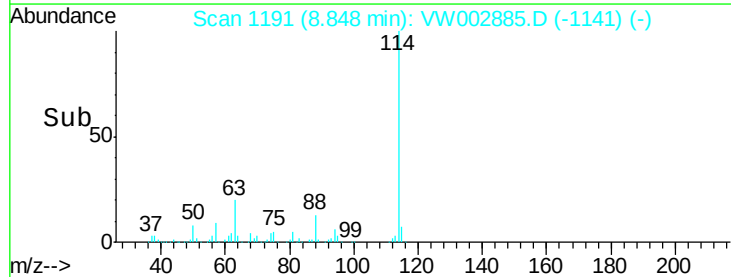
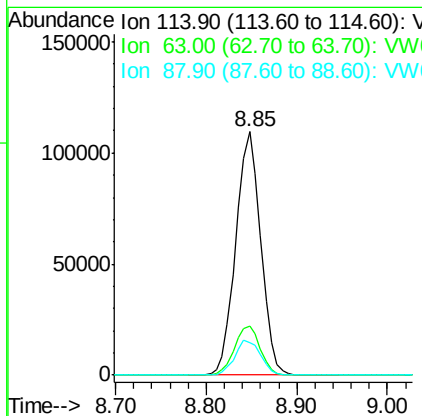
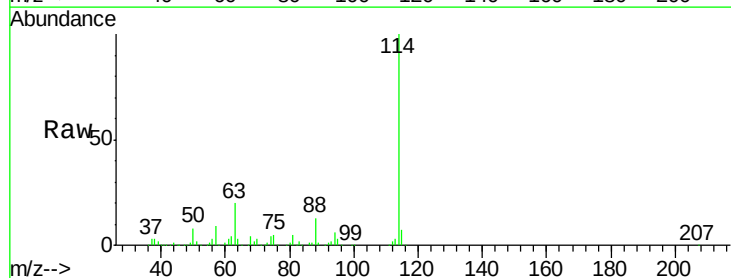
#33
 1,2-Dichloroethane-d4
 Concen: 71.79 ug/l
 RT: 8.31 min Scan# 1102
 Delta R.T. -0.00 min
 Lab File: VW002885.D
 Acq: 25 May 2018 20:26

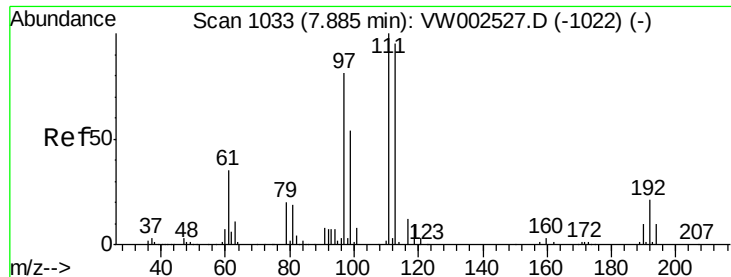
Tgt Ion: 65 Resp: 97099
 Ion Ratio Lower Upper
 65 100
 67 51.5 0.0 104.4



#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 8.85 min Scan# 1191
 Delta R.T. 0.01 min
 Lab File: VW002885.D
 Acq: 25 May 2018 20:26

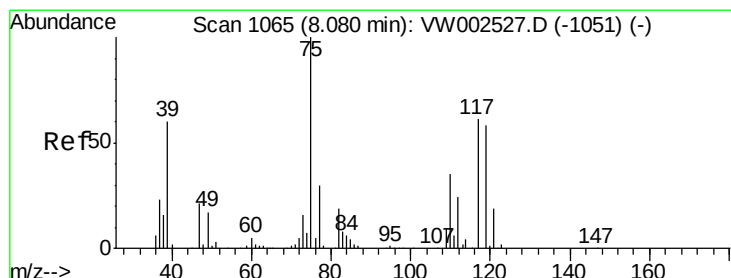
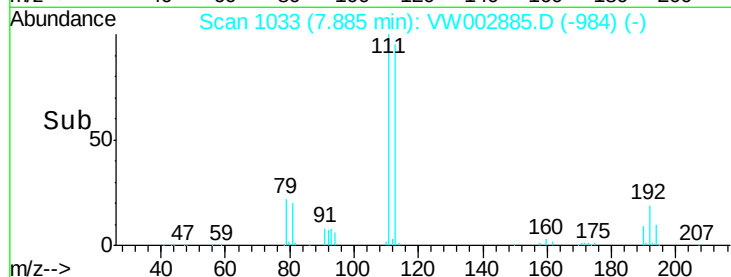
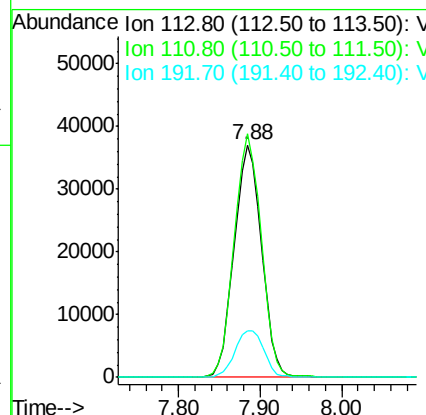
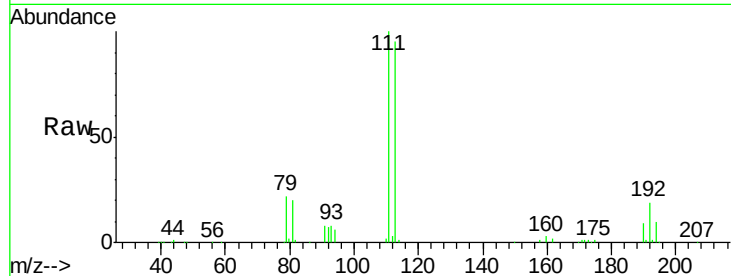
Tgt Ion: 114 Resp: 209374
 Ion Ratio Lower Upper
 114 100
 63 20.3 0.0 43.2
 88 13.4 0.0 29.2





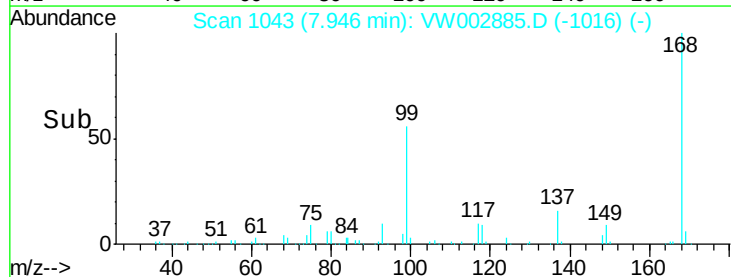
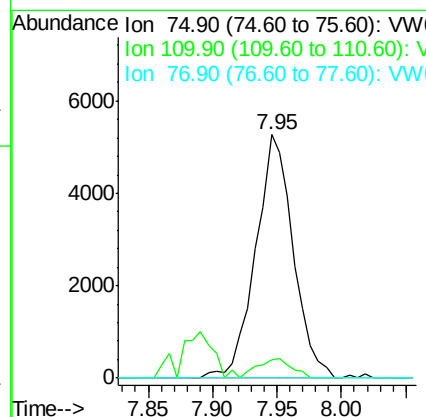
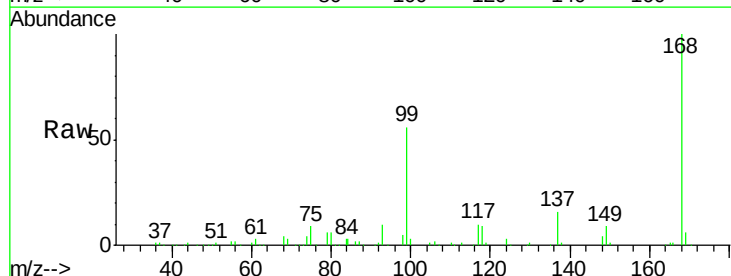
#35
 Dibromofluoromethane
 Concen: 64.79 ug/l
 RT: 7.88 min Scan# 1033
 Delta R.T. -0.00 min
 Lab File: VW002885.D
 Acq: 25 May 2018 20:26

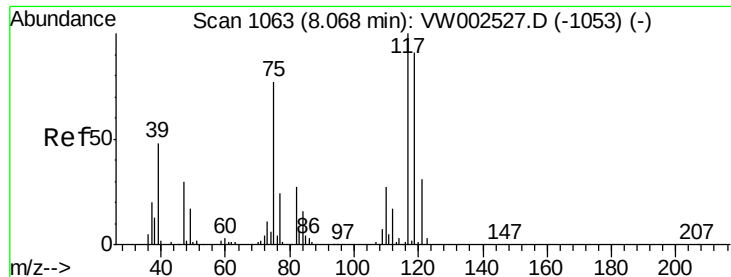
Tgt Ion: 113 Resp: 86053
 Ion Ratio Lower Upper
 113 100
 111 103.3 81.8 122.8
 192 21.2 17.5 26.3



#36
 1,1-Dichloropropene
 Concen: 5.73 ug/l
 RT: 7.95 min Scan# 1043
 Delta R.T. -0.13 min
 Lab File: VW002885.D
 Acq: 25 May 2018 20:26

Tgt Ion: 75 Resp: 10596
 Ion Ratio Lower Upper
 75 100
 110 7.4 17.8 53.5#
 77 0.0 24.5 36.7#





#38

Carbon Tetrachloride

Concen: 7.39 ug/l

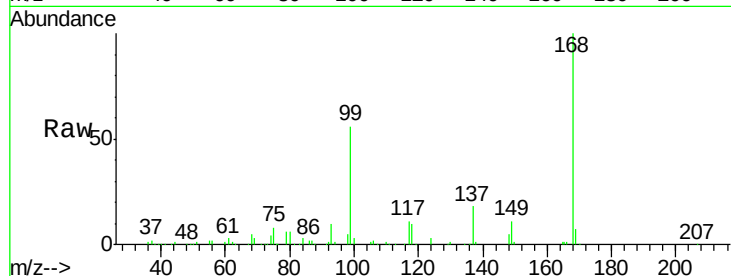
RT: 7.95 min Scan# 1044

Delta R.T. -0.12 min

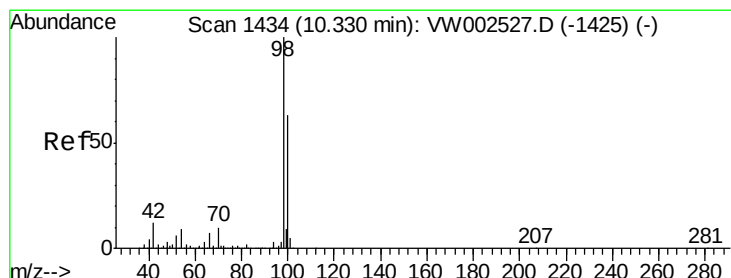
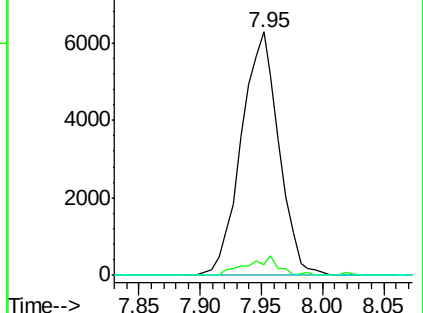
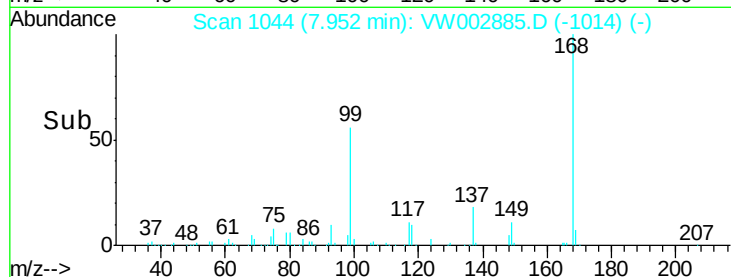
Lab File: VW002885.D

Acq: 25 May 2018 20:26

Tgt Ion:	117	Resp:	13377
Ion	Ratio	Lower	Upper
117	100		
119	4.6	73.1	109.7#
121	0.0	24.4	36.6#



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: 49.84 ug/l

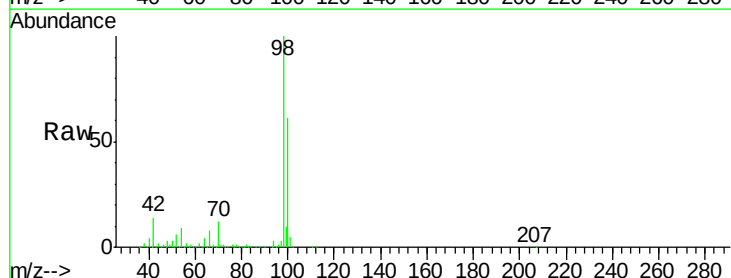
RT: 10.33 min Scan# 1434

Delta R.T. -0.00 min

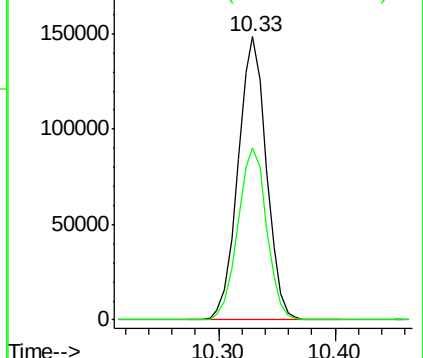
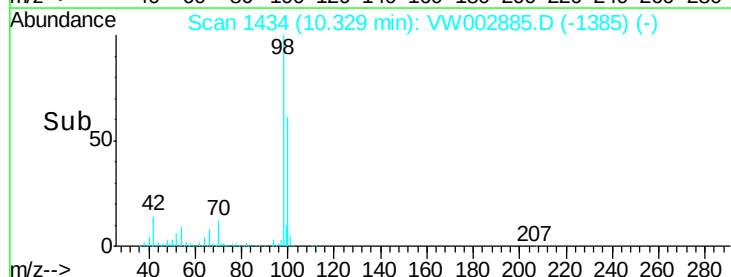
Lab File: VW002885.D

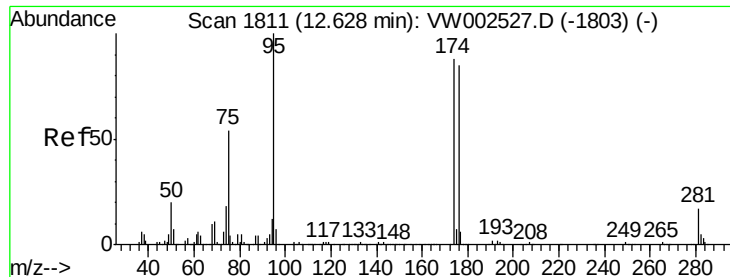
Acq: 25 May 2018 20:26

Tgt Ion:	98	Resp:	251882
Ion	Ratio	Lower	Upper
98	100		
100	61.7	51.0	76.4



Abundance Ion 98.00 (97.70 to 98.70): VW
Ion 100.00 (99.70 to 100.70): VW





#62

4-Bromofluorobenzene

Concen: 36.19 ug/l

RT: 12.63 min Scan# 1811

Delta R.T. -0.00 min

Lab File: VW002885.D

Acq: 25 May 2018 20:26

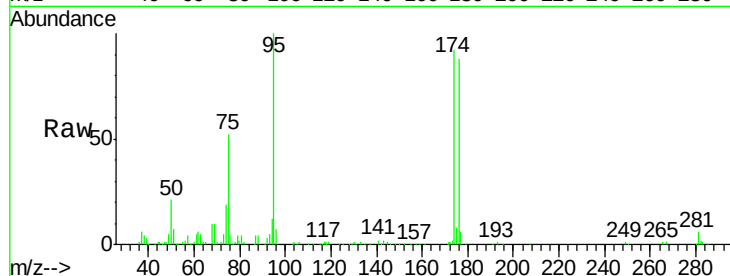
Tgt Ion: 95 Resp: 66874

Ion Ratio Lower Upper

95 100

174 89.6 0.0 176.6

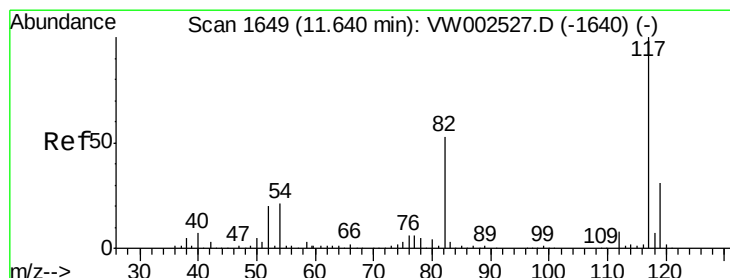
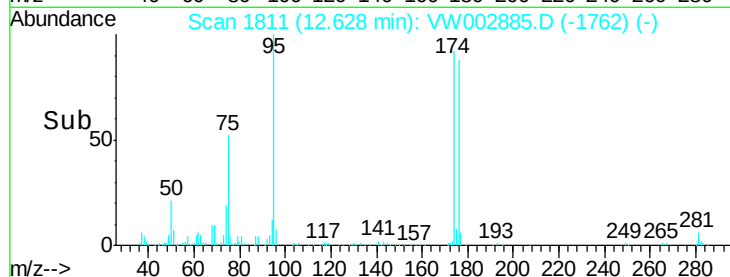
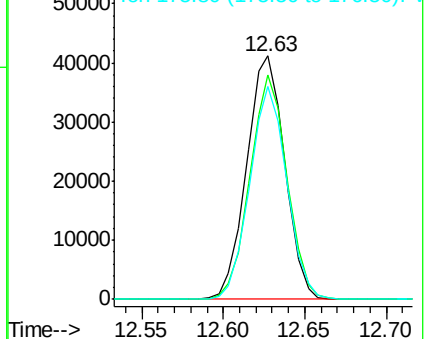
176 85.0 0.0 172.2



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: 50.00 ug/l

RT: 11.64 min Scan# 1649

Delta R.T. -0.00 min

Lab File: VW002885.D

Acq: 25 May 2018 20:26

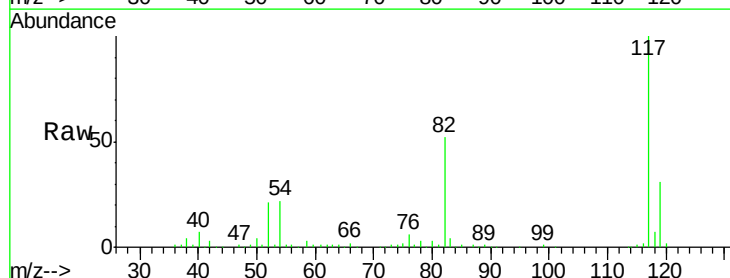
Tgt Ion: 117 Resp: 169012

Ion Ratio Lower Upper

117 100

82 52.0 42.6 64.0

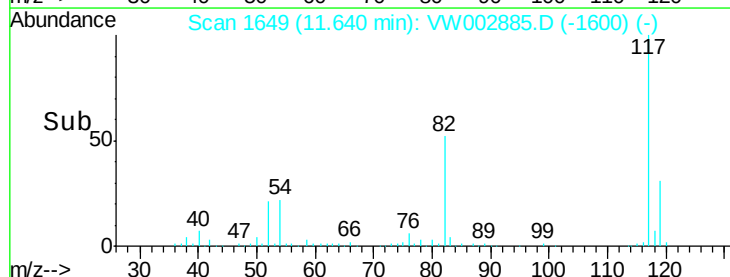
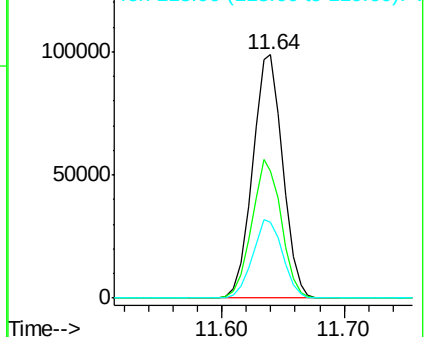
119 31.2 25.0 37.6

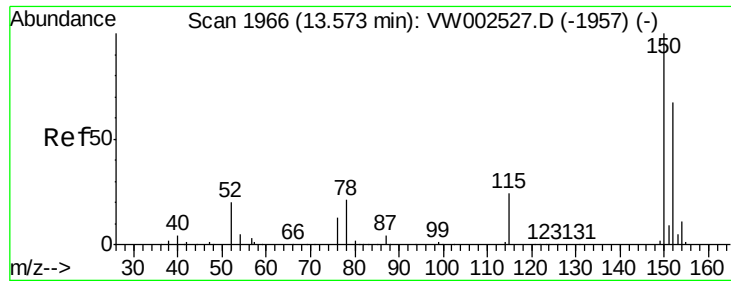


Abundance Ion 116.90 (116.60 to 117.60): VW

Ion 82.00 (81.70 to 82.70): VW

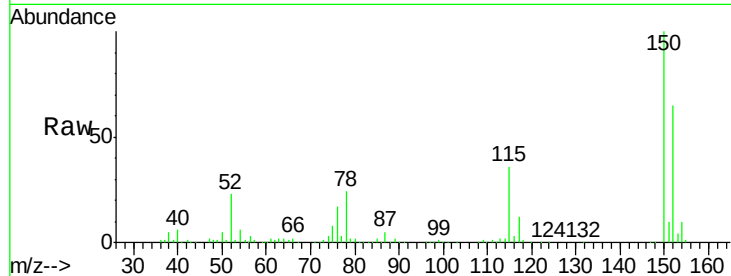
Ion 118.90 (118.60 to 119.60): VW



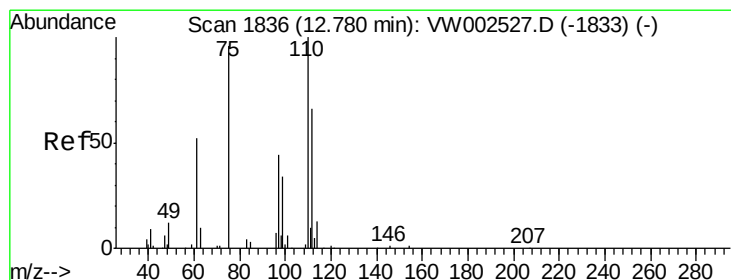
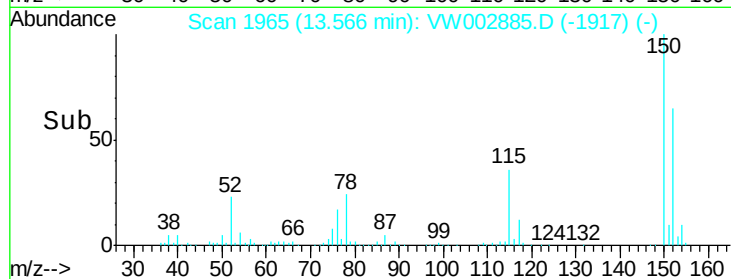
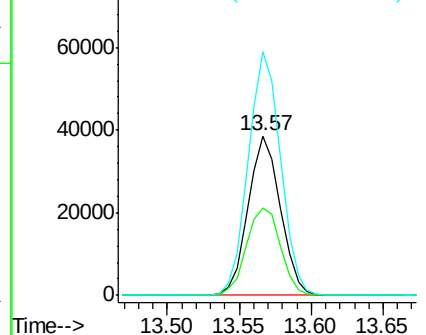


#72
 1,4-Dichlorobenzene-d4
 Concen: 50.00 ug/l
 RT: 13.57 min Scan# 1965
 Delta R.T. -0.01 min
 Lab File: VW002885.D
 Acq: 25 May 2018 20:26

Tgt Ion: 152 Resp: 59362
 Ion Ratio Lower Upper
 152 100
 115 58.2 28.0 84.0
 150 153.9 0.0 345.4

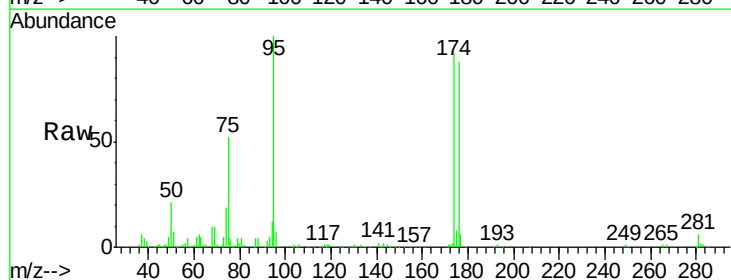


Abundance Ion 151.90 (151.60 to 152.60): V
 Ion 114.90 (114.60 to 115.60): V
 Ion 149.90 (149.60 to 150.60): V

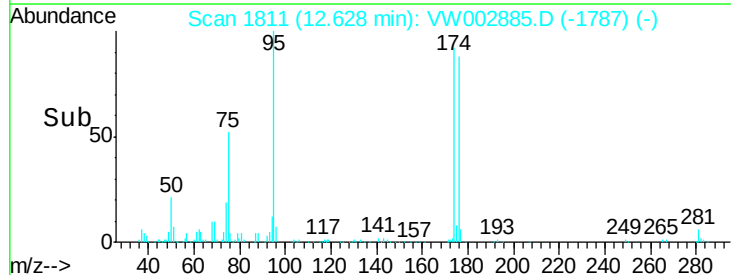
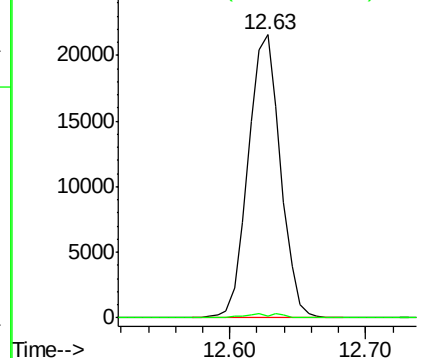


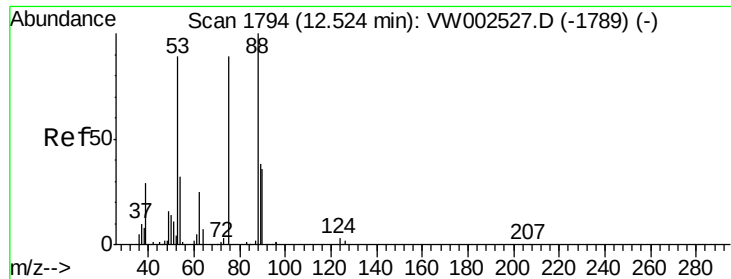
#76
 1,2,3-Trichloropropane
 Concen: 63.75 ug/l
 RT: 12.63 min Scan# 1811
 Delta R.T. -0.15 min
 Lab File: VW002885.D
 Acq: 25 May 2018 20:26

Tgt Ion: 75 Resp: 35772
 Ion Ratio Lower Upper
 75 100
 77 1.8 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: 173.81 ug/l
 RT: 12.63 min Scan# 1811
 Delta R.T. 0.10 min
 Lab File: VW002885.D
 Acq: 25 May 2018 20:26

Tgt Ion: 75 Resp: 35772
 Ion Ratio Lower Upper
 75 100
 53 0.3 82.6 124.0#
 89 0.0 39.2 58.8#

