

Data Path : W:\HPCHEM1\MSVOA_W\DATA\VW052518\
 Data File : VW002884.D
 Acq On : 25 May 2018 20:00
 Operator : JC/SY
 Sample : J3078-10RE
 Misc : 5.00G/5ML/MSVOA_W/SOIL
 ALS Vial : 18 Sample Multiplier: 1

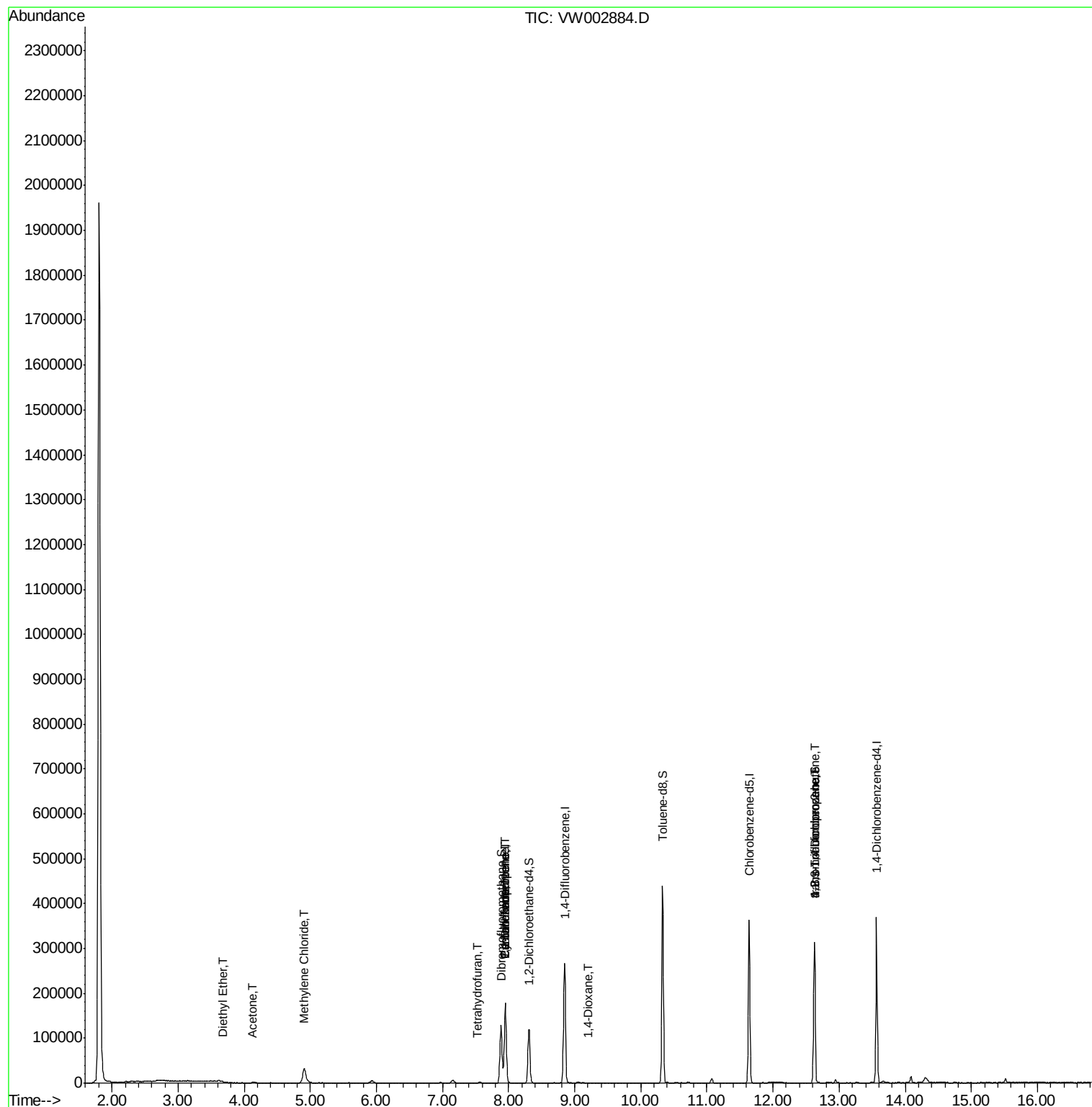
Quant Time: May 26 00:43:12 2018
 Quant Method : W:\HPCHEM1\MSVOA_W\METHOD\82W051518S.M
 Quant Title : SW846 8260
 QLast Update : Tue May 15 03:32:11 2018
 Response via : Initial Calibration

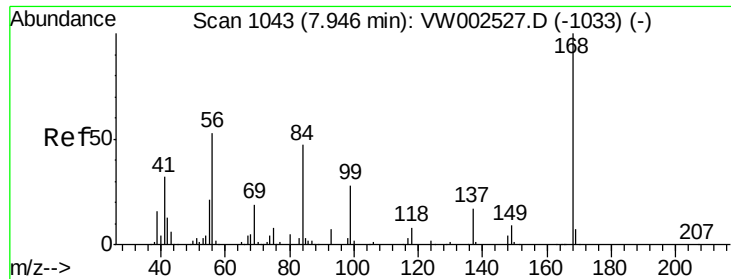
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	132751	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.85	114	218973	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.64	117	202634	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.57	152	91327	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.31	65	95860	69.88	ug/l	0.00
Spiked Amount 50.000			Recovery	=	139.76%	
35) Dibromofluoromethane	7.88	113	85801	61.76	ug/l	0.00
Spiked Amount 50.000			Recovery	=	123.52%	
50) Toluene-d8	10.33	98	282903	53.53	ug/l	0.00
Spiked Amount 50.000			Recovery	=	107.06%	
62) 4-Bromofluorobenzene	12.63	95	91377	47.28	ug/l	0.00
Spiked Amount 50.000			Recovery	=	94.56%	
Target Compounds						
8) Diethyl Ether	3.68	74	1114	1.37	ug/l	77
16) Acetone	4.14	43	997	3.44	ug/l #	68
20) Methylene Chloride	4.91	84	26722	21.63	ug/l	98
29) Tetrahydrofuran	7.53	42	268	1.05	ug/l #	72
31) Cyclohexane	7.95	56	3127	1.60	ug/l #	26
36) 1,1-Dichloropropene	7.95	75	10604	5.49	ug/l #	51
38) Carbon Tetrachloride	7.95	117	13054	6.90	ug/l #	20
49) 1,4-Dioxane	9.20	88	21	1.57	ug/l #	4
76) 1,2,3-Trichloropropane	12.63	75	47774	55.34	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.63	75	47774	150.88	ug/l #	8

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

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#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 7.95 min Scan# 1044

Delta R.T. 0.01 min

Lab File: VW002884.D

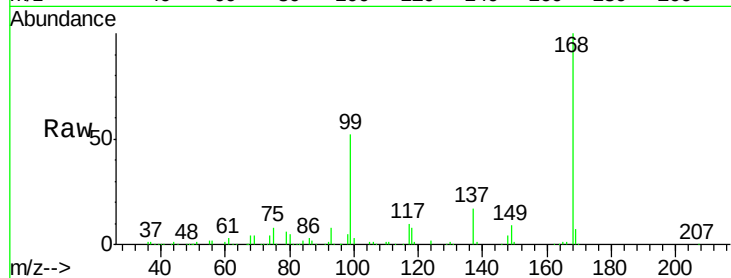
Acq: 25 May 2018 20:00

Tgt Ion: 168 Resp: 132751

Ion Ratio Lower Upper

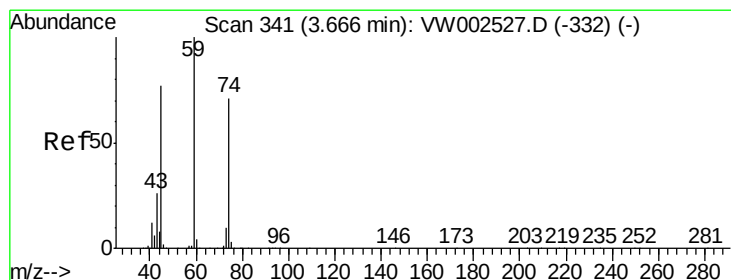
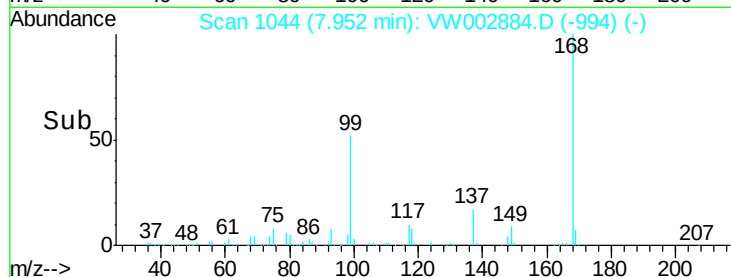
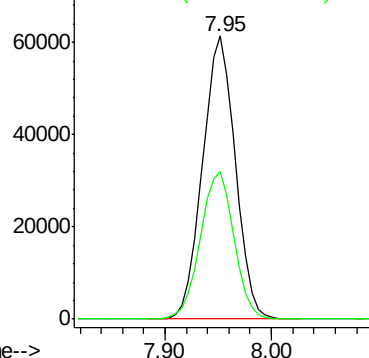
168 100

99 52.1 42.6 64.0



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW



#8

Diethyl Ether

Concen: 1.37 ug/l

RT: 3.68 min Scan# 344

Delta R.T. 0.02 min

Lab File: VW002884.D

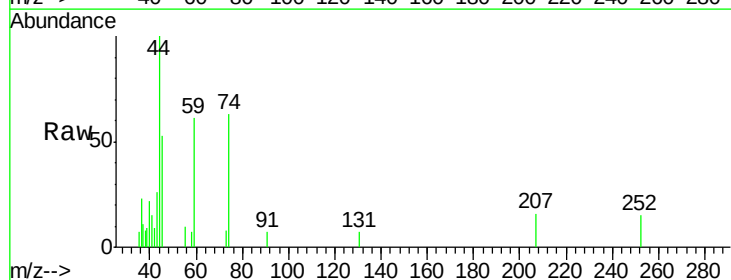
Acq: 25 May 2018 20:00

Tgt Ion: 74 Resp: 1114

Ion Ratio Lower Upper

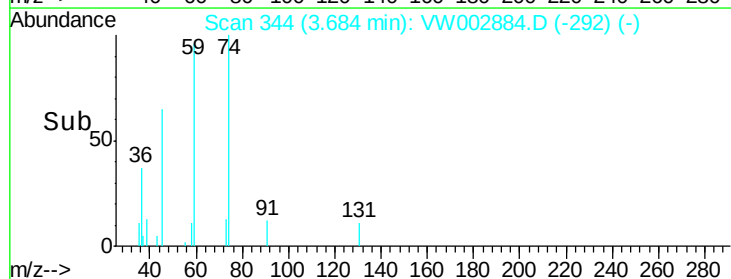
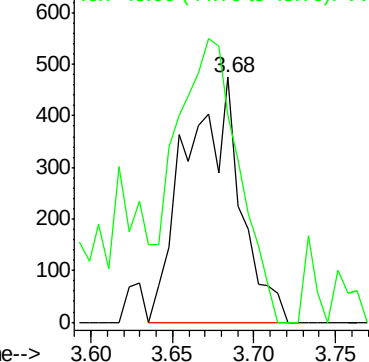
74 100

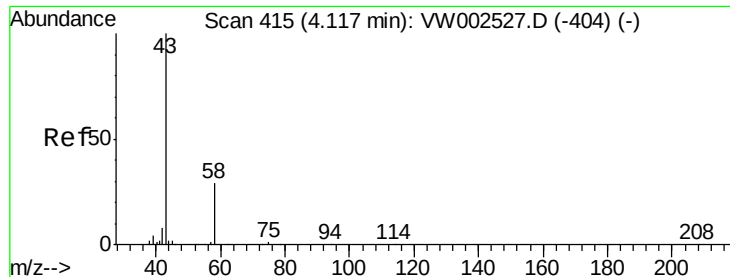
45 127.9 52.3 156.8



Abundance Ion 74.00 (73.70 to 74.70): VW

Ion 45.00 (44.70 to 45.70): VW





#16

Acetone

Concen: 3.44 ug/l

RT: 4.14 min Scan# 418

Delta R.T. 0.02 min

Lab File: VW002884.D

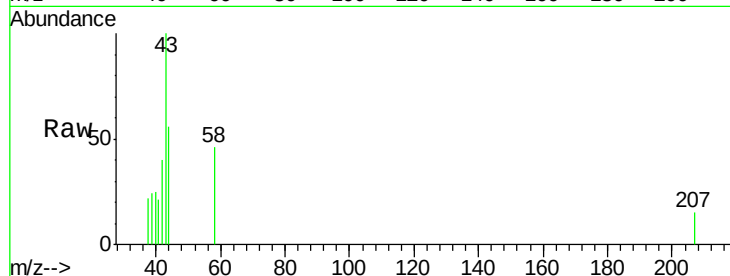
Acq: 25 May 2018 20:00

Tgt Ion: 43 Resp: 997

Ion Ratio Lower Upper

43 100

58 46.2 23.4 35.0#



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW

4.14

300

200

100

0

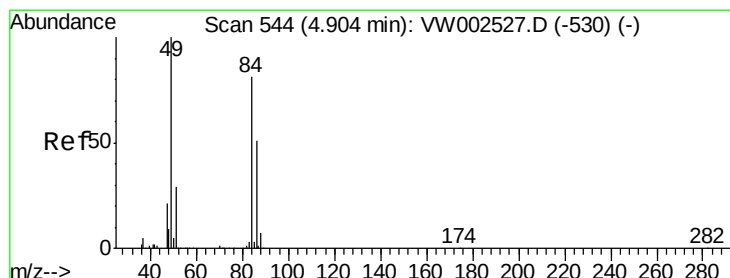
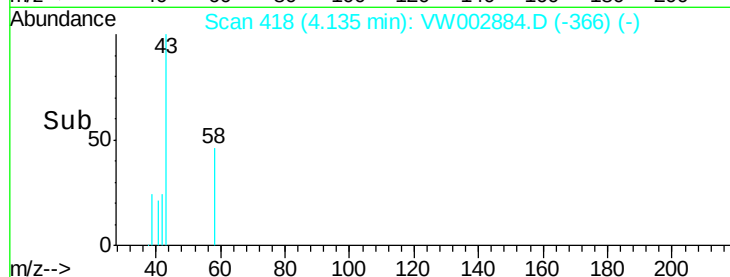
4.05

4.10

4.15

4.20

Time-->



#20

Methylene Chloride

Concen: 21.63 ug/l

RT: 4.91 min Scan# 545

Delta R.T. 0.01 min

Lab File: VW002884.D

Acq: 25 May 2018 20:00

Tgt Ion: 84 Resp: 26722

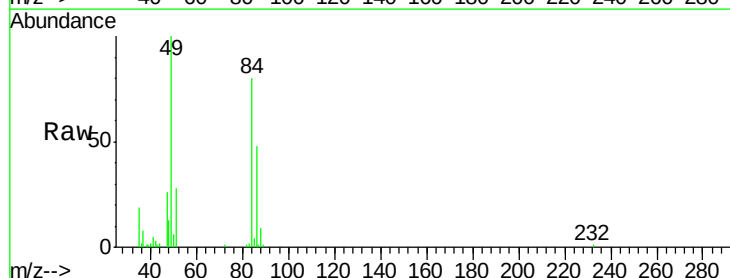
Ion Ratio Lower Upper

84 100

49 123.6 99.4 149.0

51 34.6 29.0 43.6

86 59.2 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

4.91

10000

5000

0

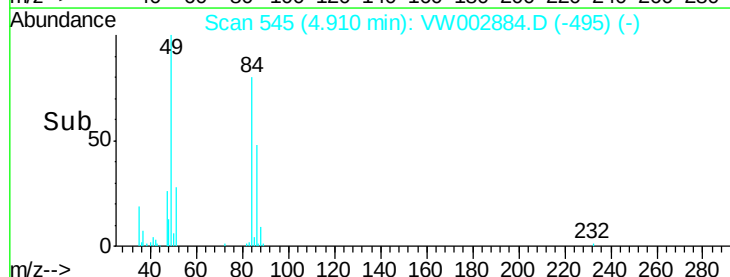
4.80

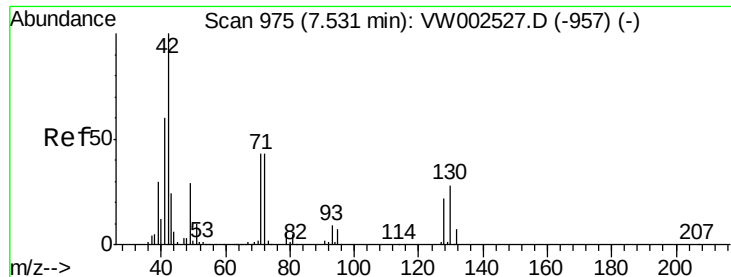
4.90

5.00

5.10

Time-->





#29

Tetrahydrofuran

Concen: 1.05 ug/l

RT: 7.53 min Scan# 975

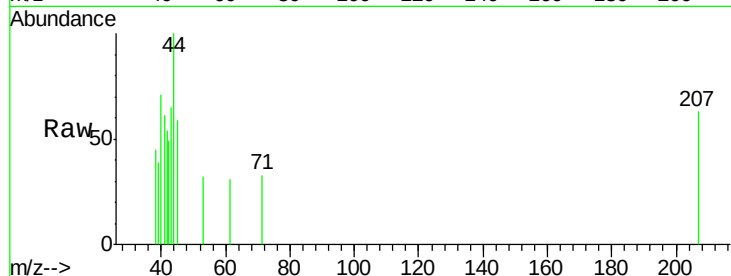
Delta R.T. -0.00 min

Lab File: VW002884.D

Acq: 25 May 2018 20:00

Tgt Ion: 42 Resp: 268

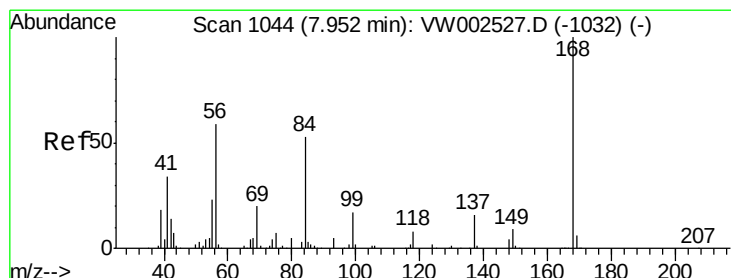
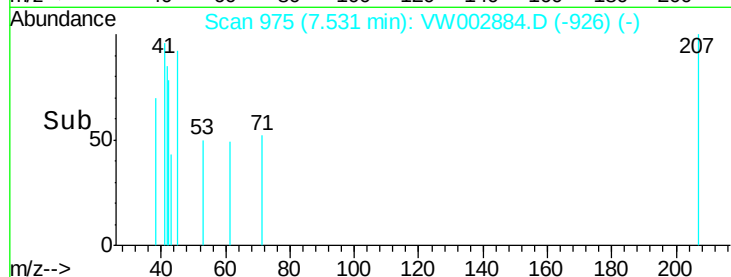
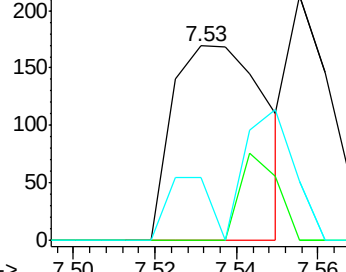
Ion	Ratio	Lower	Upper
42	100		
72	17.9	35.0	52.4#
71	50.4	33.0	49.6#



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: 1.60 ug/l

RT: 7.95 min Scan# 1044

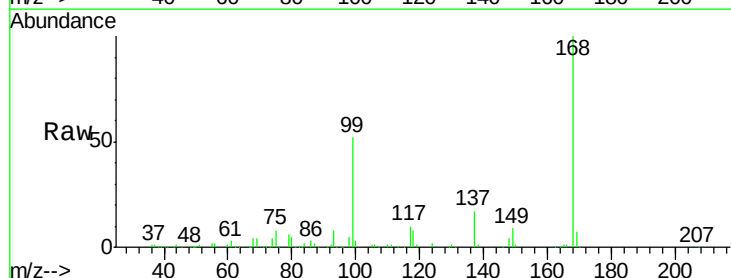
Delta R.T. -0.00 min

Lab File: VW002884.D

Acq: 25 May 2018 20:00

Tgt Ion: 56 Resp: 3127

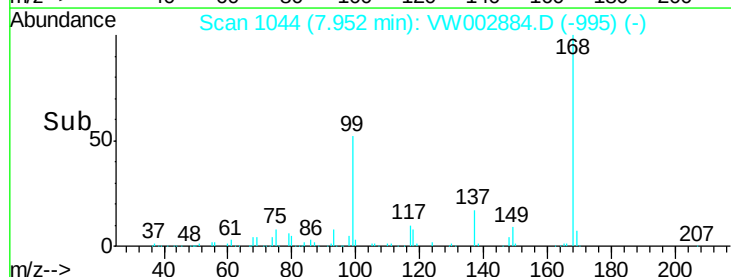
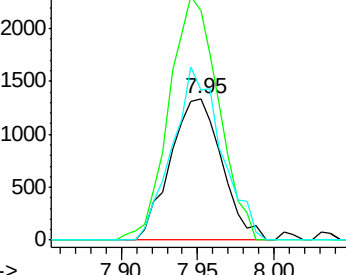
Ion	Ratio	Lower	Upper
56	100		
69	162.3	27.0	40.4#
84	106.3	72.2	108.2

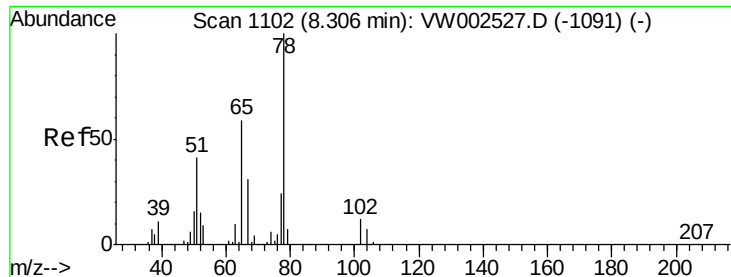


Abundance Ion 56.00 (55.70 to 56.70): VW

Ion 69.00 (68.70 to 69.70): VW

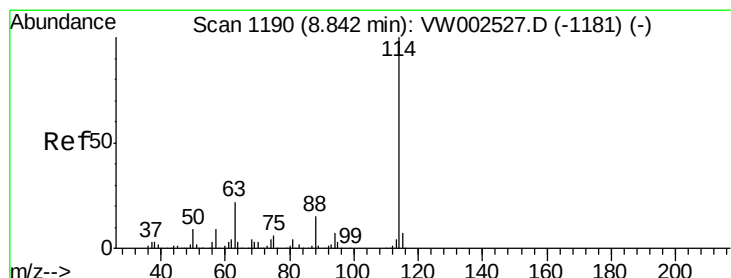
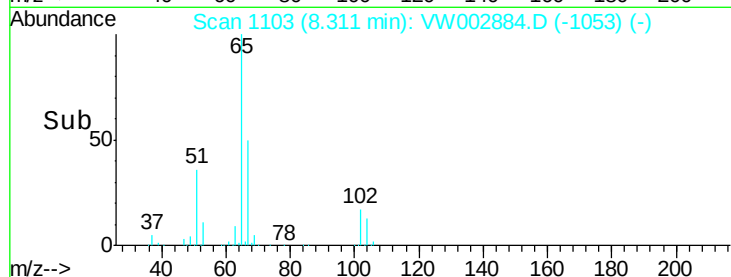
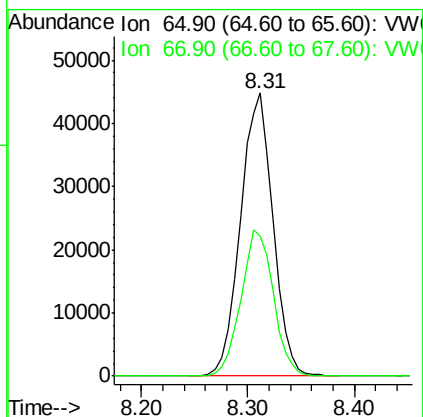
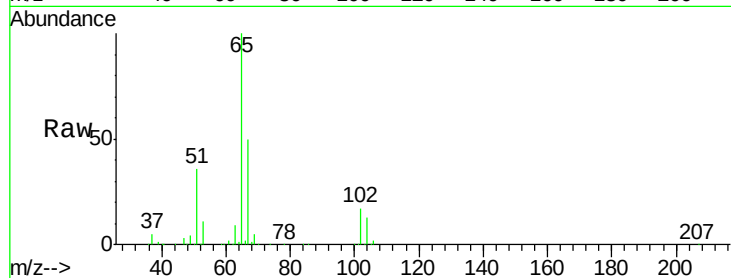
Ion 84.00 (83.70 to 84.70): VW





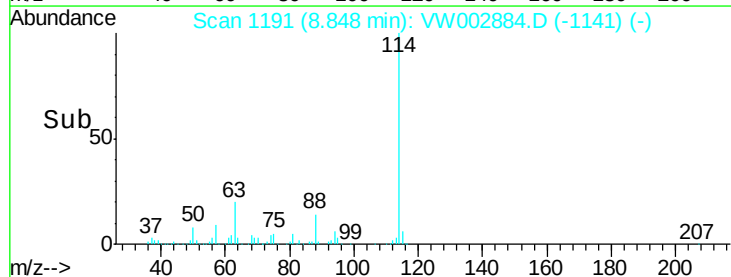
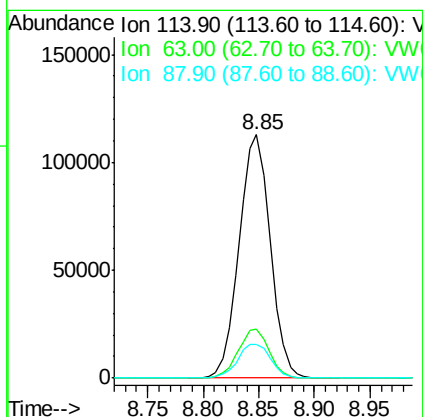
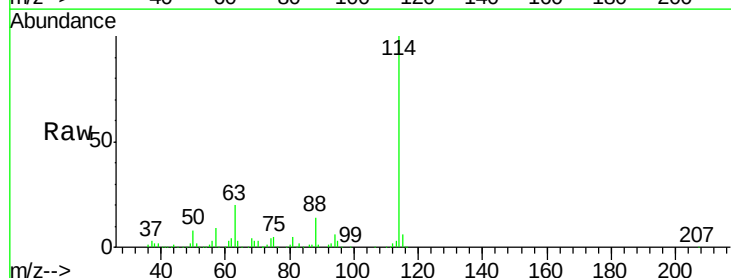
#33
 1,2-Dichloroethane-d4
 Concen: 69.88 ug/l
 RT: 8.31 min Scan# 1103
 Delta R.T. 0.01 min
 Lab File: VW002884.D
 Acq: 25 May 2018 20:00

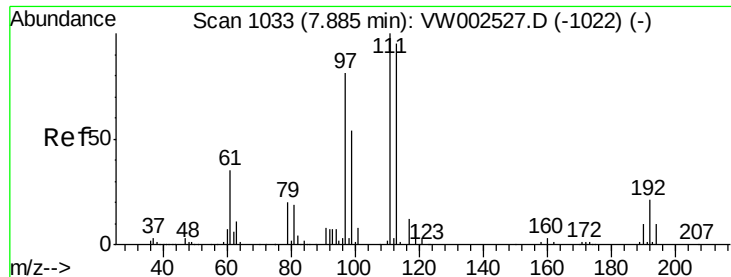
Tgt Ion: 65 Resp: 95860
 Ion Ratio Lower Upper
 65 100
 67 51.6 0.0 104.4



#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 8.85 min Scan# 1191
 Delta R.T. 0.01 min
 Lab File: VW002884.D
 Acq: 25 May 2018 20:00

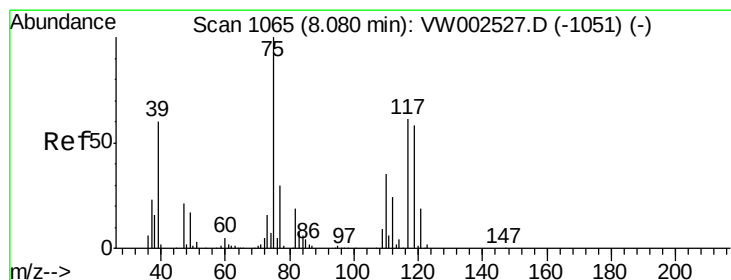
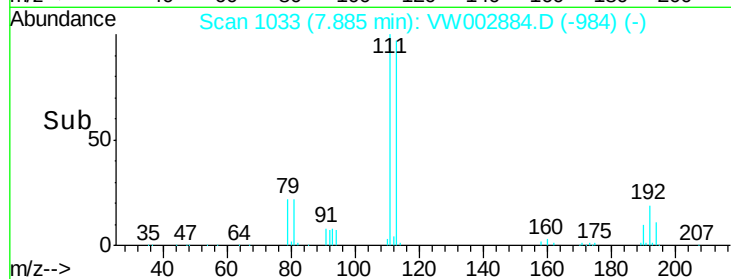
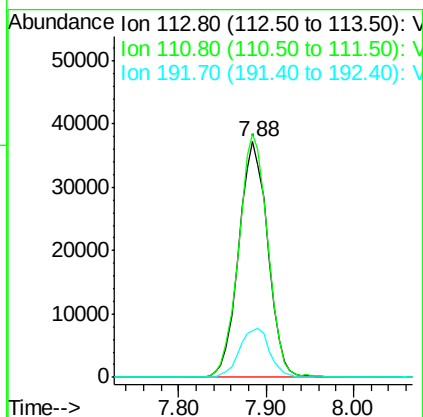
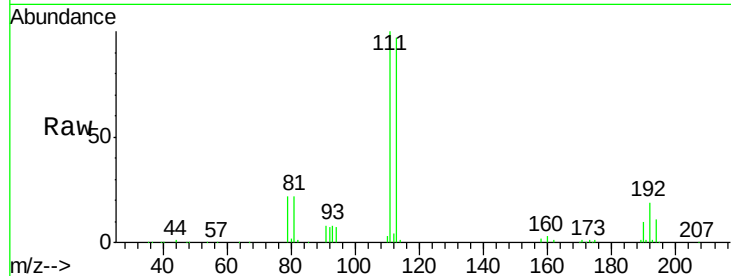
Tgt Ion: 114 Resp: 218973
 Ion Ratio Lower Upper
 114 100
 63 20.2 0.0 43.2
 88 14.1 0.0 29.2





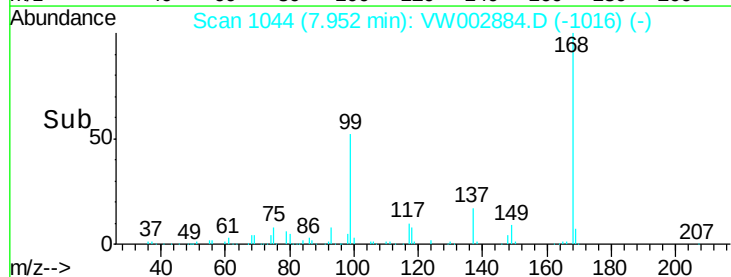
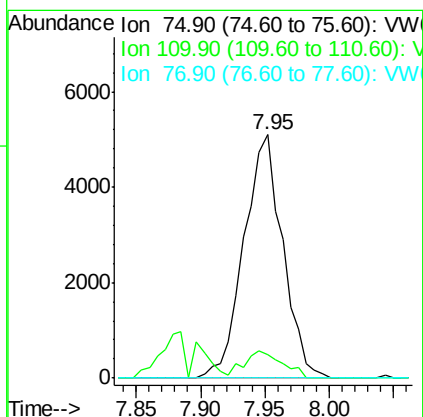
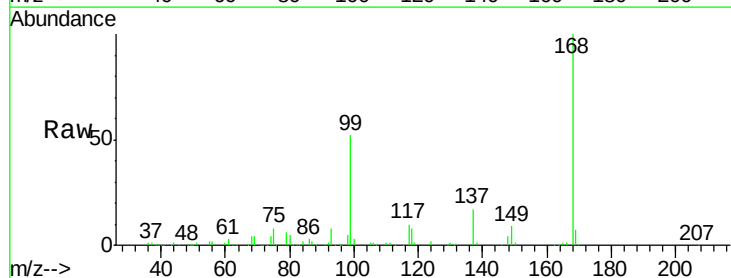
#35
 Dibromofluoromethane
 Concen: 61.76 ug/l
 RT: 7.88 min Scan# 1033
 Delta R.T. -0.00 min
 Lab File: VW002884.D
 Acq: 25 May 2018 20:00

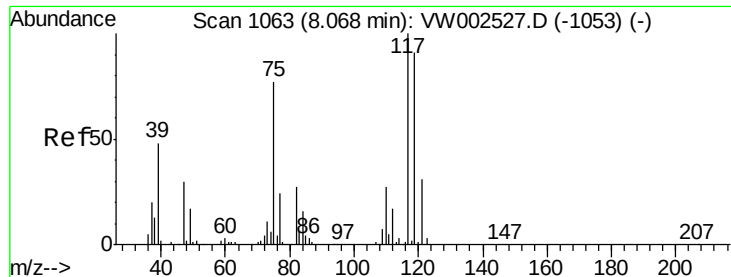
Tgt Ion	Ratio	Lower	Upper
113	100		
111	103.3	81.8	122.8
192	21.6	17.5	26.3



#36
 1,1-Dichloropropene
 Concen: 5.49 ug/l
 RT: 7.95 min Scan# 1044
 Delta R.T. -0.13 min
 Lab File: VW002884.D
 Acq: 25 May 2018 20:00

Tgt Ion	Ratio	Lower	Upper
75	100		
110	11.0	17.8	53.5#
77	0.0	24.5	36.7#





#38

Carbon Tetrachloride

Concen: 6.90 ug/l

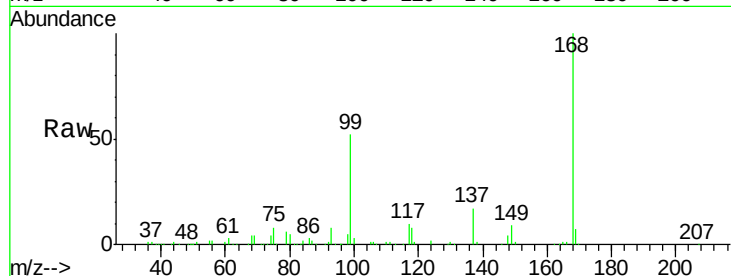
RT: 7.95 min Scan# 1044

Delta R.T. -0.12 min

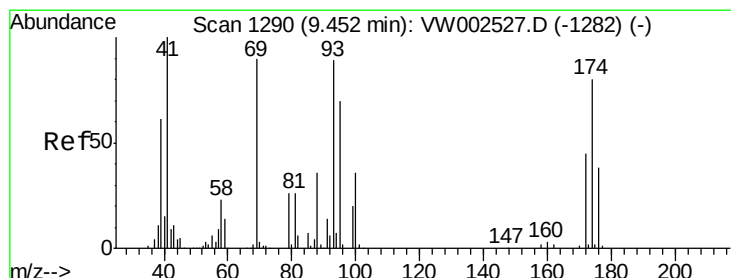
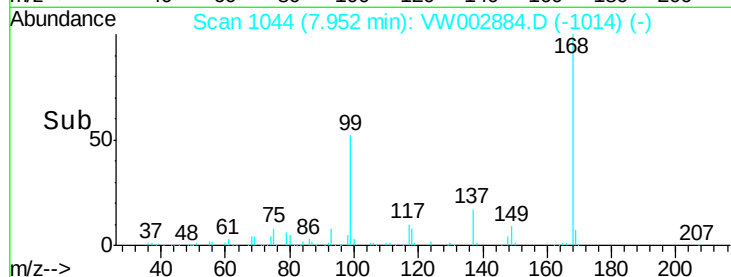
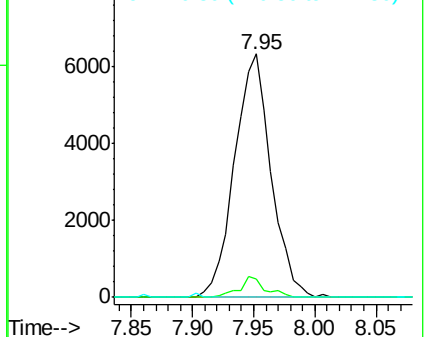
Lab File: VW002884.D

Acq: 25 May 2018 20:00

Tgt Ion:	117	Resp:	13054
Ion	Ratio	Lower	Upper
117	100		
119	7.7	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



#49

1,4-Dioxane

Concen: 1.57 ug/l

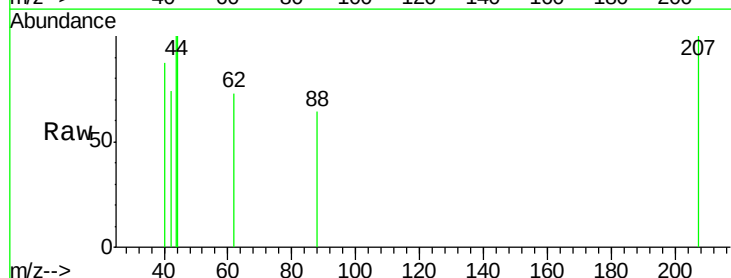
RT: 9.20 min Scan# 1249

Delta R.T. -0.25 min

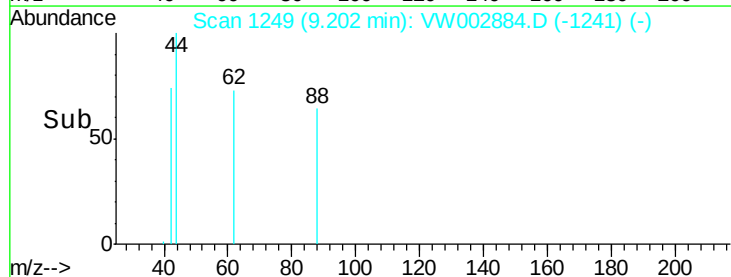
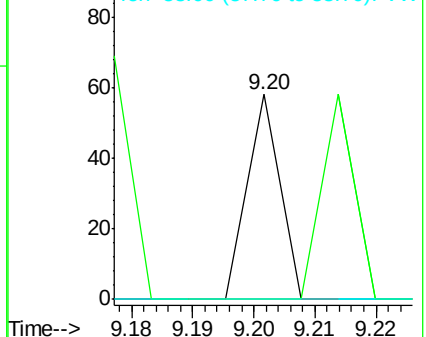
Lab File: VW002884.D

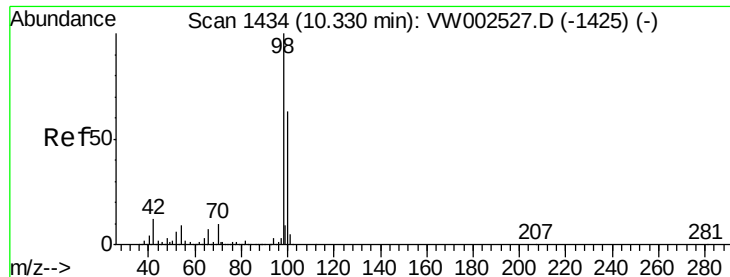
Acq: 25 May 2018 20:00

Tgt Ion:	88	Resp:	21
Ion	Ratio	Lower	Upper
88	100		
43	100.0	27.0	40.4#
58	0.0	56.9	85.3#



Abundance Ion 88.00 (87.70 to 88.70): VW
Ion 43.00 (42.70 to 43.70): VW
Ion 58.00 (57.70 to 58.70): VW





#50

Toluene-d8

Concen: 53.53 ug/l

RT: 10.33 min Scan# 1434

Delta R.T. -0.00 min

Lab File: VW002884.D

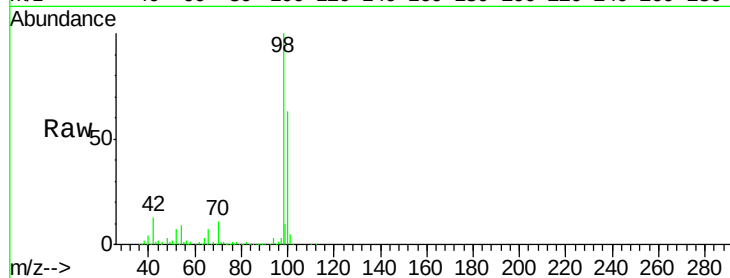
Acq: 25 May 2018 20:00

Tgt Ion: 98 Resp: 282903

Ion Ratio Lower Upper

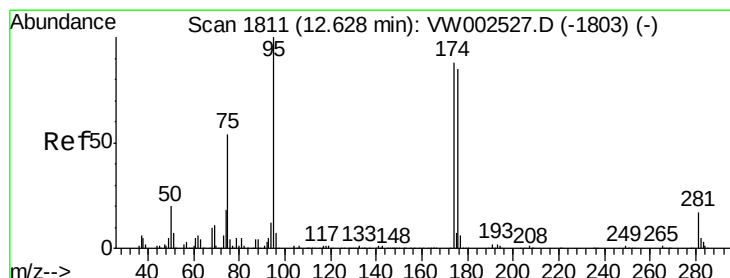
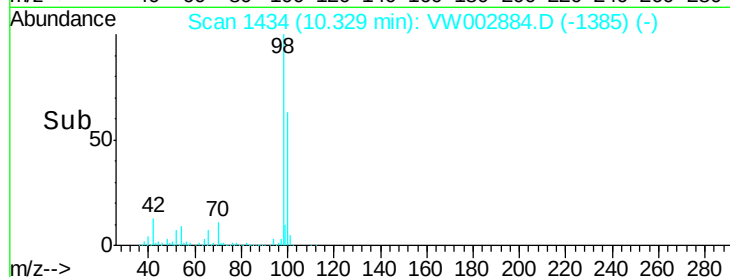
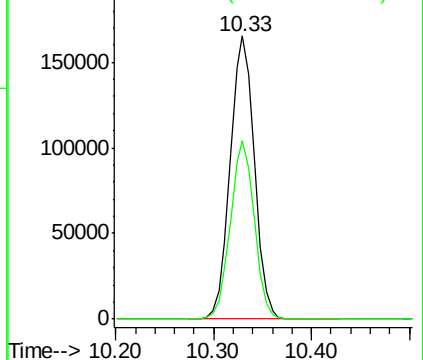
98 100

100 62.1 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: 47.28 ug/l

RT: 12.63 min Scan# 1811

Delta R.T. -0.00 min

Lab File: VW002884.D

Acq: 25 May 2018 20:00

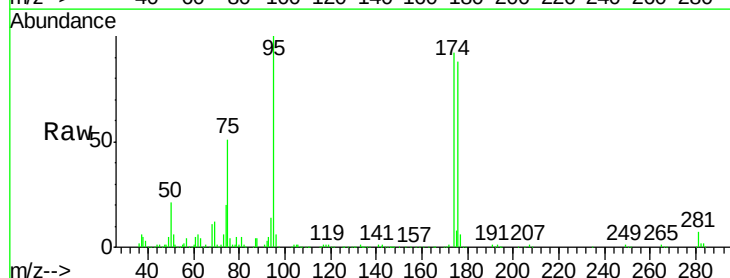
Tgt Ion: 95 Resp: 91377

Ion Ratio Lower Upper

95 100

174 89.3 0.0 176.6

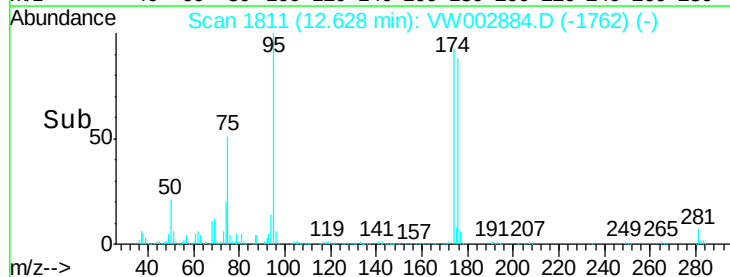
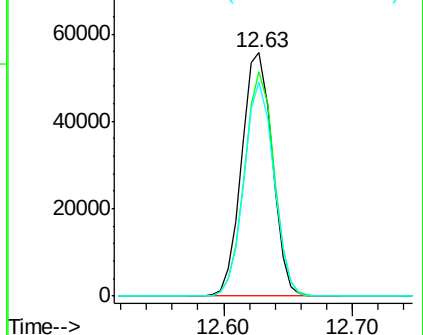
176 85.4 0.0 172.2

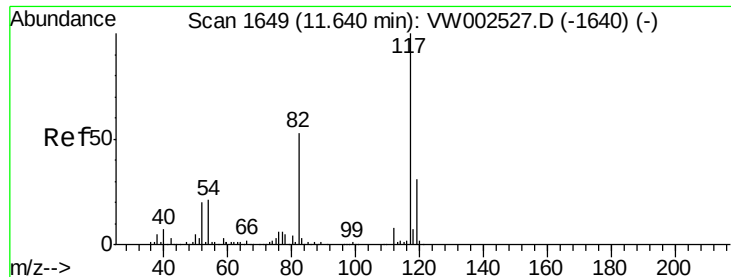


Abundance Ion 94.90 (94.60 to 95.60): VW

Ion 173.80 (173.50 to 174.50): V

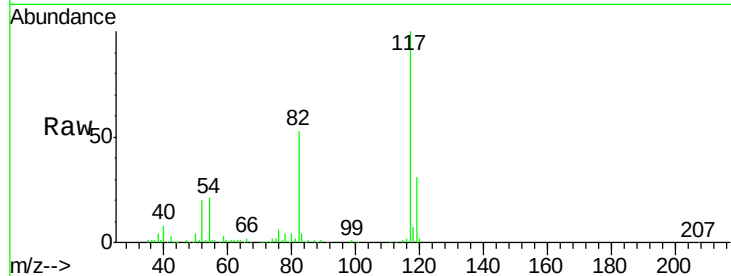
Ion 175.80 (175.50 to 176.50): V



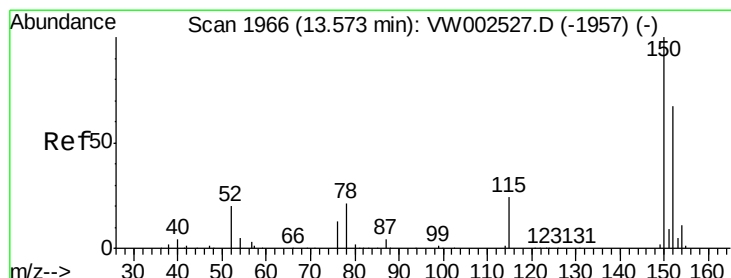
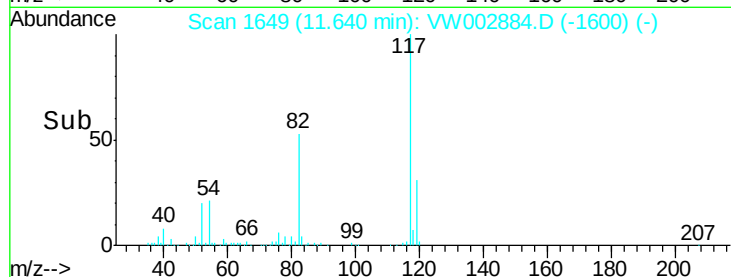
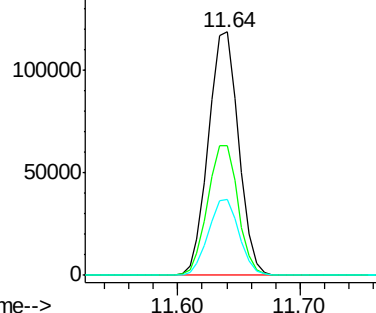


#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 11.64 min Scan# 1649
Delta R.T. -0.00 min
Lab File: VW002884.D
Acq: 25 May 2018 20:00

Tgt Ion	Ratio	Lower	Upper
117	100		
82	53.2	42.6	64.0
119	31.2	25.0	37.6

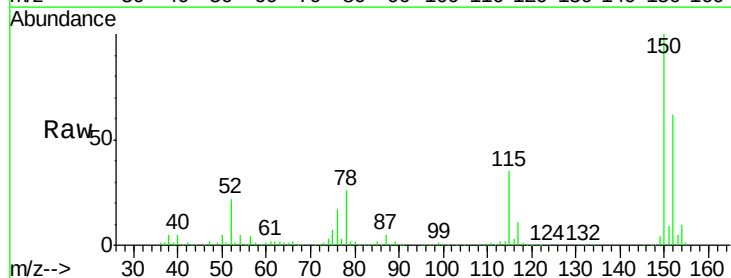


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): V
Ion 118.90 (118.60 to 119.60): V

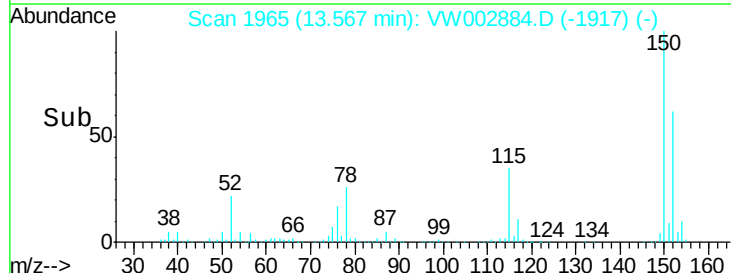
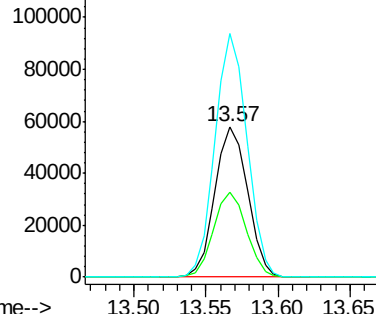


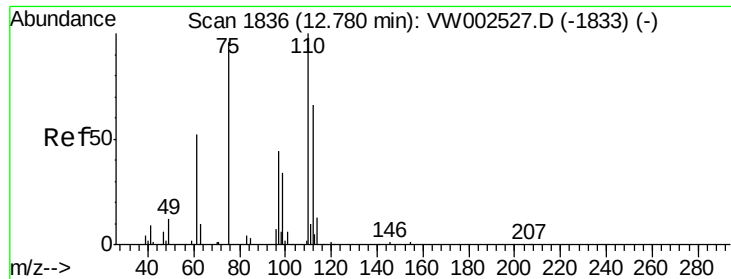
#72
1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 13.57 min Scan# 1965
Delta R.T. -0.01 min
Lab File: VW002884.D
Acq: 25 May 2018 20:00

Tgt Ion	Ratio	Lower	Upper
152	100		
115	56.7	28.0	84.0
150	158.1	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: 55.34 ug/l

RT: 12.63 min Scan# 1811

Delta R.T. -0.15 min

Lab File: VW002884.D

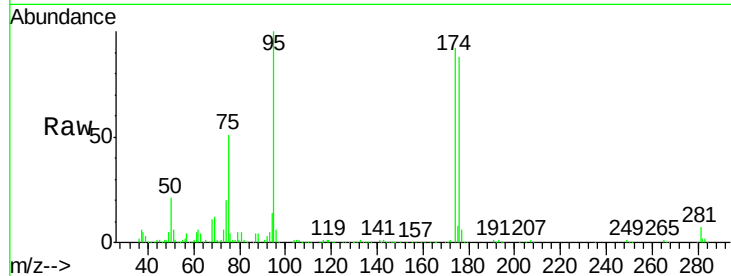
Acq: 25 May 2018 20:00

Tgt Ion: 75 Resp: 47774

Ion Ratio Lower Upper

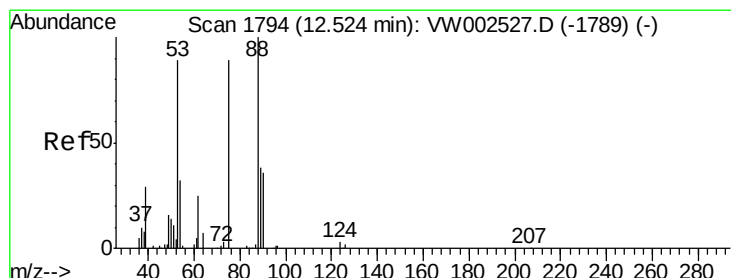
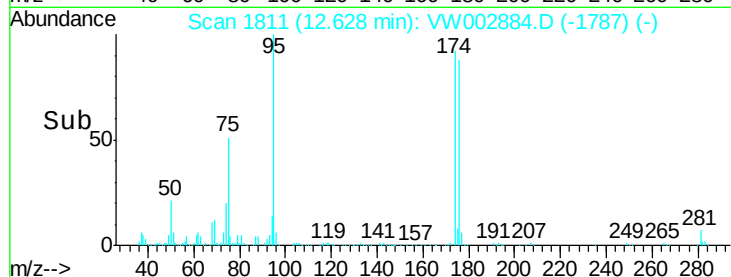
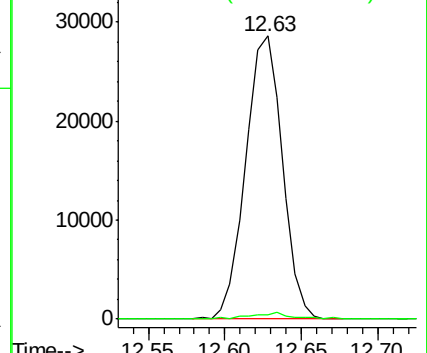
75 100

77 2.6 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: 150.88 ug/l

RT: 12.63 min Scan# 1811

Delta R.T. 0.10 min

Lab File: VW002884.D

Acq: 25 May 2018 20:00

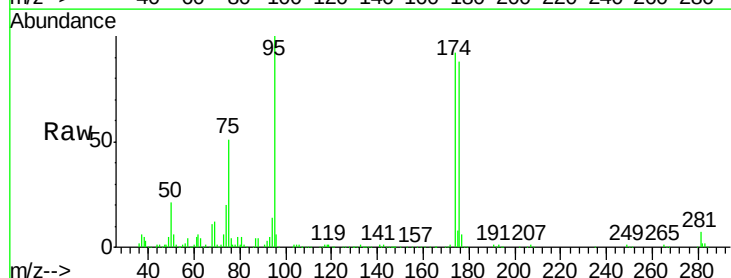
Tgt Ion: 75 Resp: 47774

Ion Ratio Lower Upper

75 100

53 0.6 82.6 124.0#

89 0.0 39.2 58.8#



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

