

Data Path : W:\HPCHEM1\MSVOA_W\DATA\VW052518\
 Data File : VW002883.D
 Acq On : 25 May 2018 19:34
 Operator : JC/SY
 Sample : J3078-07RE
 Misc : 5.00G/5ML/MSVOA_W/SOIL
 ALS Vial : 17 Sample Multiplier: 1

Quant Time: May 26 00:42:48 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	119975	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.85	114	196855	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.64	117	179519	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.57	152	82311	50.00	ug/l	0.00

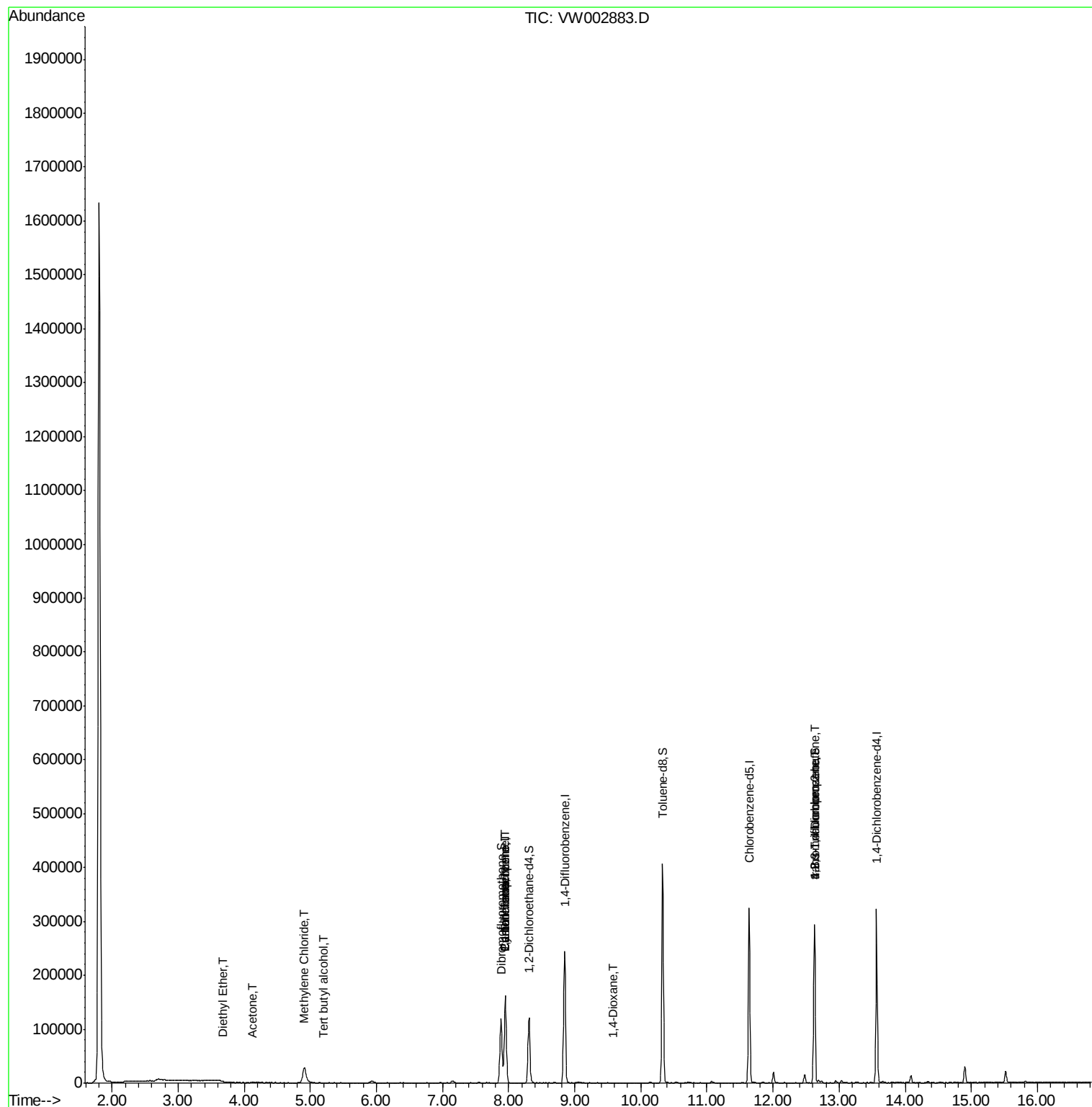
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.31	65	91335	73.67	ug/l	0.00
Spiked Amount	50.000		Recovery	=	147.34%	
35) Dibromofluoromethane	7.88	113	82580	66.12	ug/l	0.00
Spiked Amount	50.000		Recovery	=	132.24%	
50) Toluene-d8	10.33	98	263127	55.38	ug/l	0.00
Spiked Amount	50.000		Recovery	=	110.76%	
62) 4-Bromofluorobenzene	12.63	95	85032	48.94	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.88%	

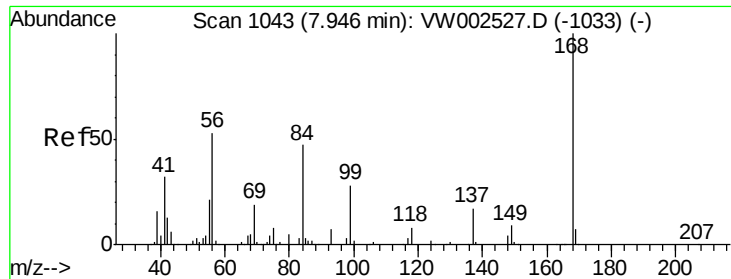
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
8) Diethyl Ether	3.68	74	946	1.29	ug/l	67
11) Tert butyl alcohol	5.20	59	124	1.30	ug/l #	4
16) Acetone	4.13	43	921	3.52	ug/l #	81
20) Methylene Chloride	4.90	84	24832	22.32	ug/l	89
31) Cyclohexane	7.95	56	2905	1.65	ug/l #	5
36) 1,1-Dichloropropene	7.95	75	9538	5.49	ug/l #	51
38) Carbon Tetrachloride	7.95	117	12036	7.08	ug/l #	19
49) 1,4-Dioxane	9.58	88	19	1.58	ug/l #	1
76) 1,2,3-Trichloropropane	12.63	75	46052	59.19	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.63	75	46052	161.38	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: VW002883.D

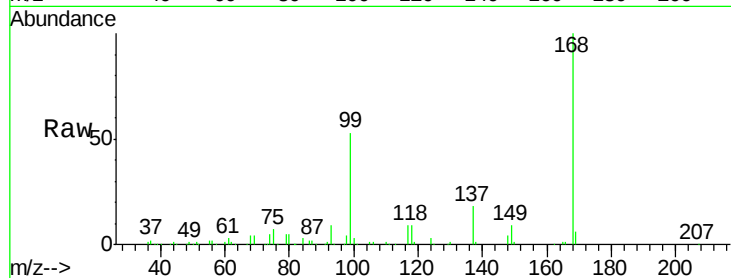
Acq: 25 May 2018 19:34

Tgt Ion: 168 Resp: 119975

Ion Ratio Lower Upper

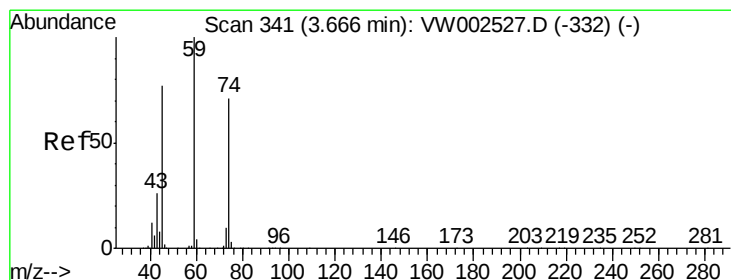
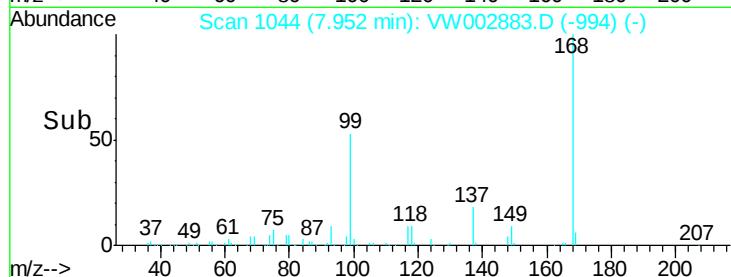
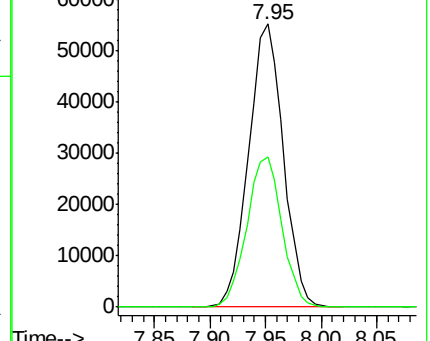
168 100

99 53.1 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: 1.29 ug/l

RT: 3.68 min Scan# 343

Delta R.T. 0.01 min

Lab File: VW002883.D

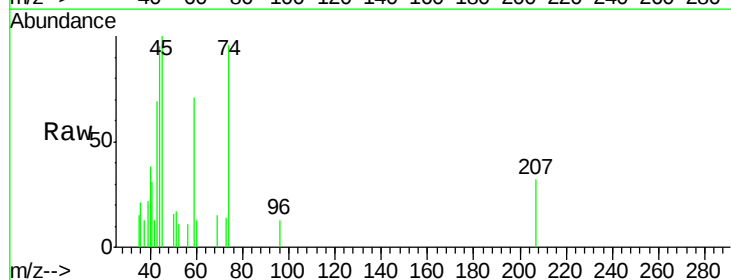
Acq: 25 May 2018 19:34

Tgt Ion: 74 Resp: 946

Ion Ratio Lower Upper

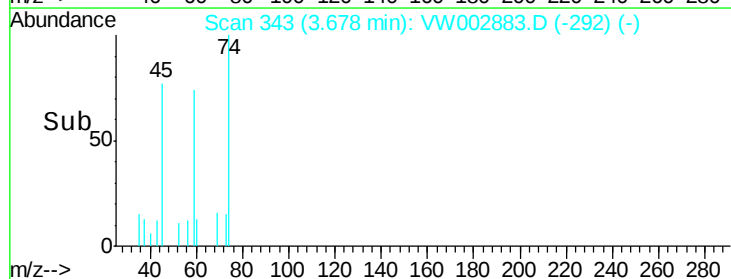
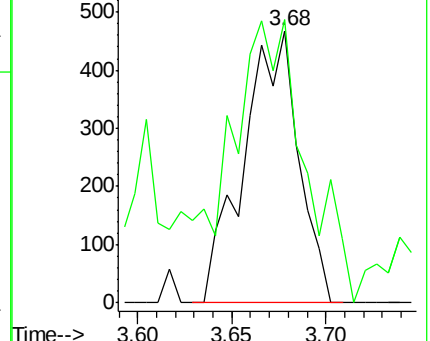
74 100

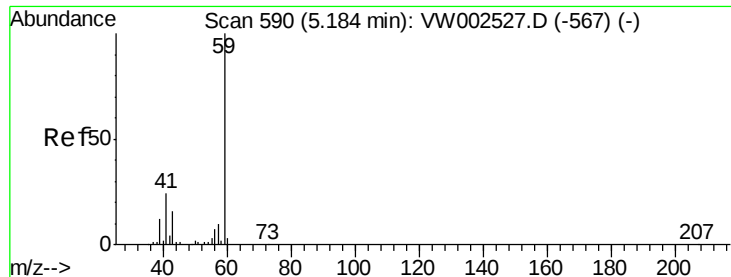
45 138.7 52.3 156.8



Abundance Ion 74.00 (73.70 to 74.70): VW

Ion 45.00 (44.70 to 45.70): VW

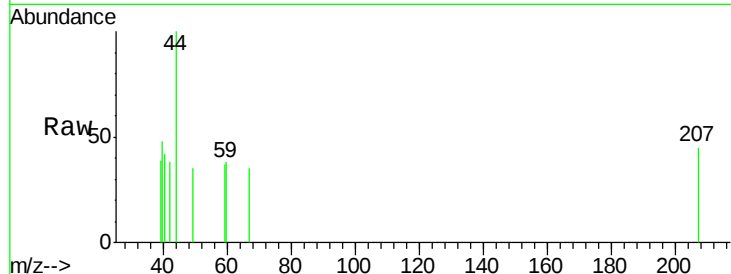




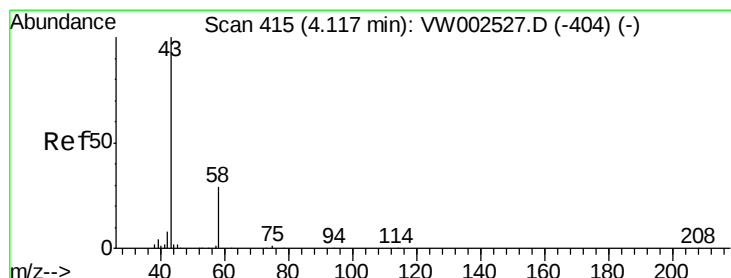
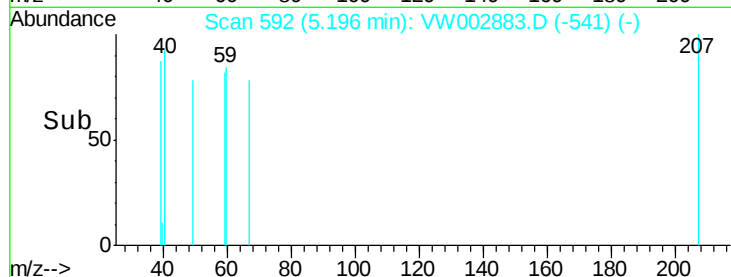
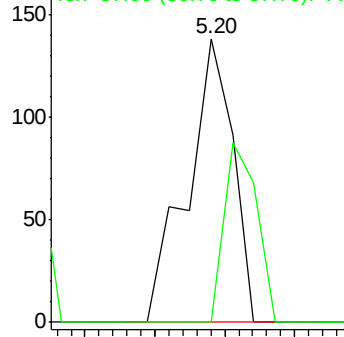
#11

Tert butyl alcohol
Concen: 1.30 ug/l
RT: 5.20 min Scan# 592
Delta R.T. 0.01 min
Lab File: VW002883.D
Acq: 25 May 2018 19:34

Tgt Ion: 59 Resp: 124
Ion Ratio Lower Upper
59 100
57 46.0 8.2 12.4#



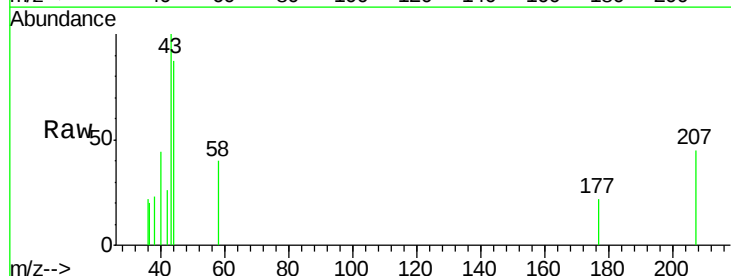
Abundance Ion 59.00 (58.70 to 59.70): VW
Ion 57.00 (56.70 to 57.70): VW



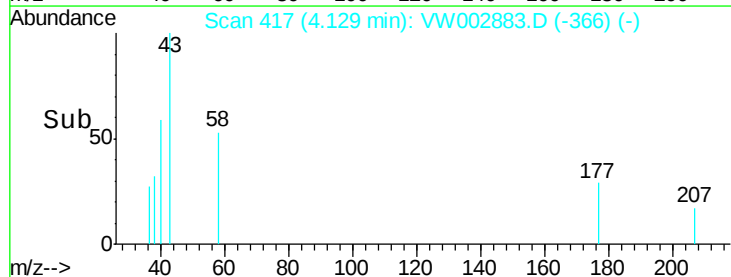
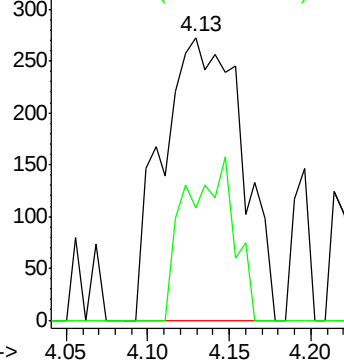
#16

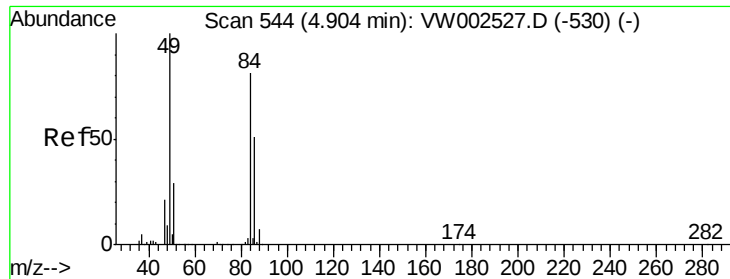
Acetone
Concen: 3.52 ug/l
RT: 4.13 min Scan# 417
Delta R.T. 0.01 min
Lab File: VW002883.D
Acq: 25 May 2018 19:34

Tgt Ion: 43 Resp: 921
Ion Ratio Lower Upper
43 100
58 39.6 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: 22.32 ug/l

RT: 4.90 min Scan# 544

Delta R.T. 0.00 min

Lab File: VW002883.D

Acq: 25 May 2018 19:34

Tgt Ion: 84 Resp: 24832

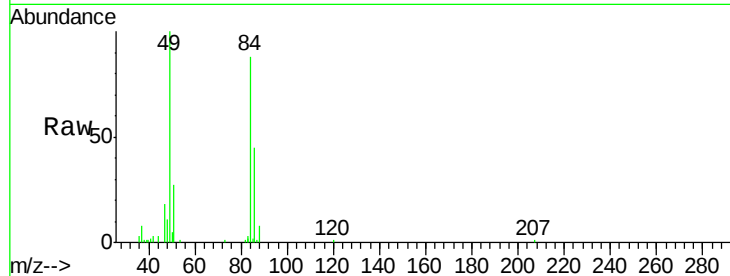
Ion	Ratio	Lower	Upper
84	100		
49	113.5	99.4	149.0
51	30.7	29.0	43.6
86	51.7	50.3	75.5

84 100

49 113.5 99.4 149.0

51 30.7 29.0 43.6

86 51.7 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

Time-->

4.90

8000

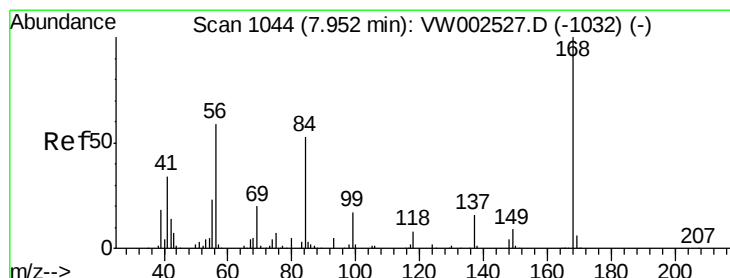
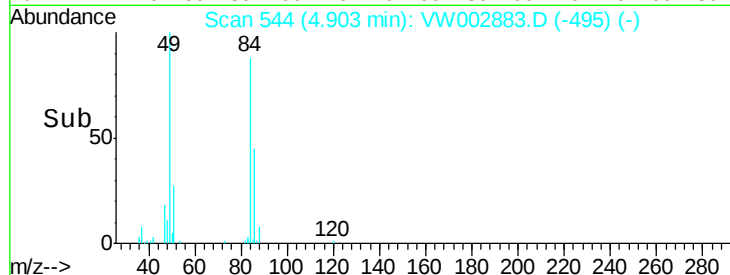
6000

4000

2000

0

4.80 4.90 5.00 5.10



#31

Cyclohexane

Concen: 1.65 ug/l

RT: 7.95 min Scan# 1044

Delta R.T. -0.00 min

Lab File: VW002883.D

Acq: 25 May 2018 19:34

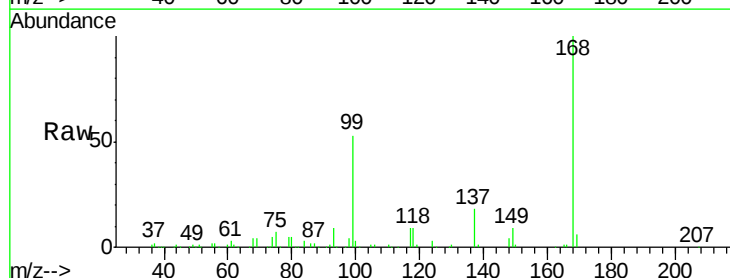
Tgt Ion: 56 Resp: 2905

Ion	Ratio	Lower	Upper
56	100		
69	163.5	27.0	40.4#
84	133.0	72.2	108.2#

56 100

69 163.5 27.0 40.4#

84 133.0 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

Time-->

7.95

3000

2500

2000

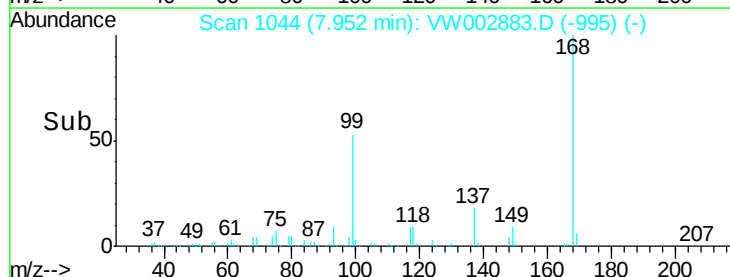
1500

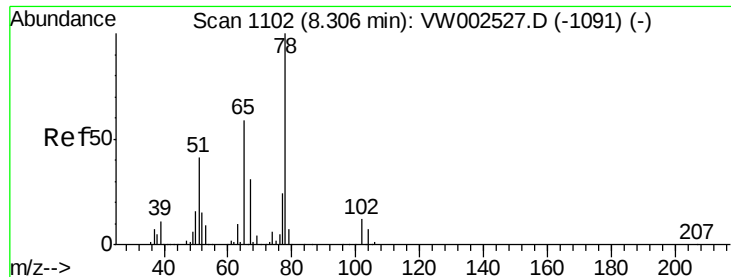
1000

500

0

7.85 7.90 7.95 8.00





#33

1,2-Dichloroethane-d4

Concen: 73.67 ug/l

RT: 8.31 min Scan# 1103

Delta R.T. 0.01 min

Lab File: VW002883.D

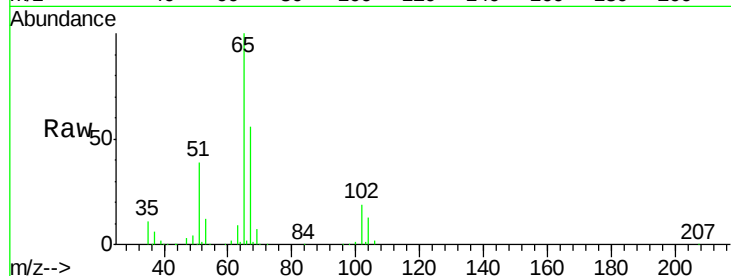
Acq: 25 May 2018 19:34

Tgt Ion: 65 Resp: 91335

Ion Ratio Lower Upper

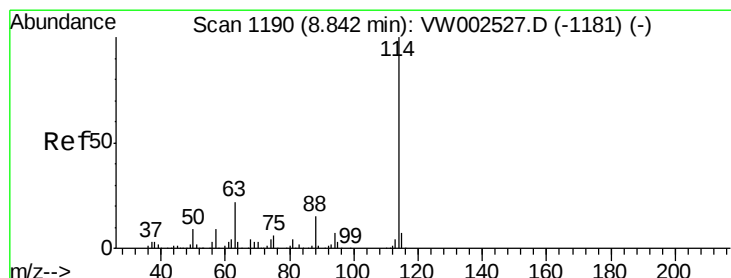
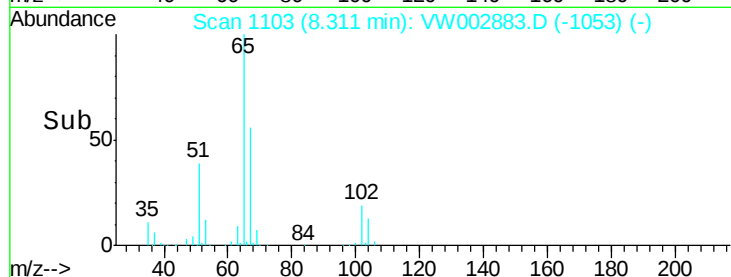
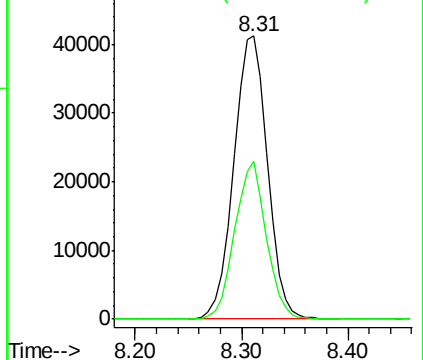
65 100

67 52.4 0.0 104.4



Abundance Ion 64.90 (64.60 to 65.60): VW

Ion 66.90 (66.60 to 67.60): VW



#34

1,4-Difluorobenzene

Concen: 50.00 ug/l

RT: 8.85 min Scan# 1191

Delta R.T. 0.01 min

Lab File: VW002883.D

Acq: 25 May 2018 19:34

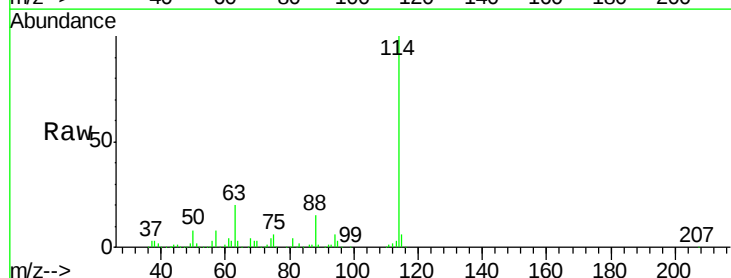
Tgt Ion: 114 Resp: 196855

Ion Ratio Lower Upper

114 100

63 19.6 0.0 43.2

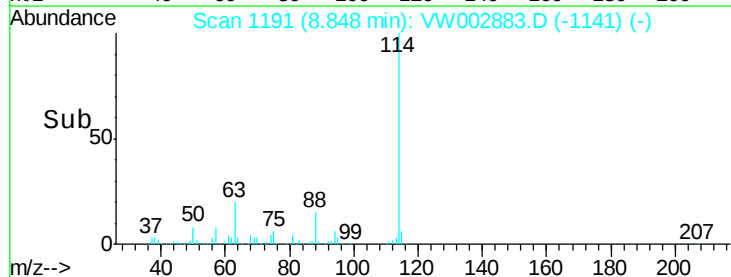
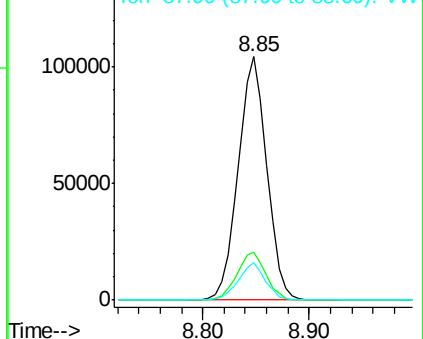
88 15.2 0.0 29.2

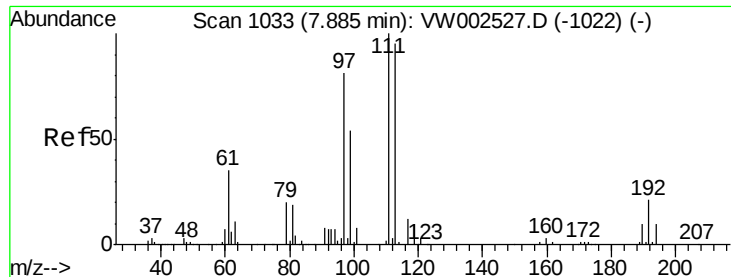


Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VW

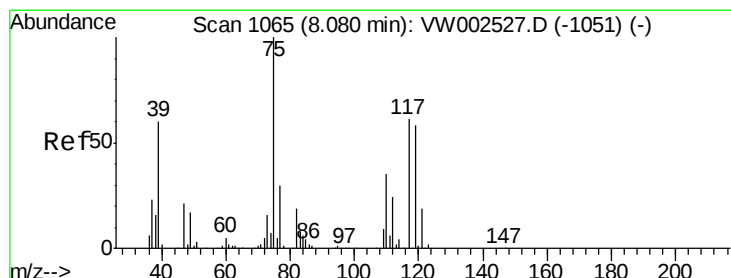
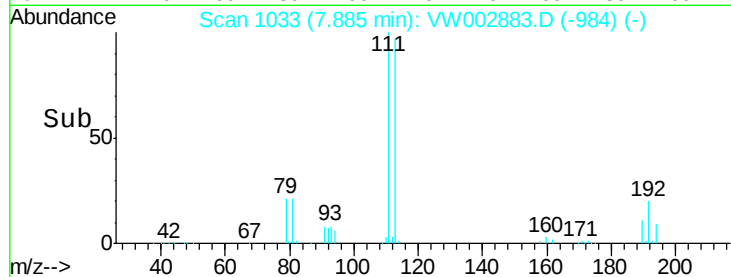
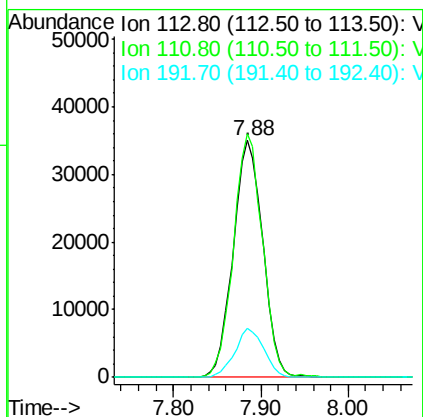
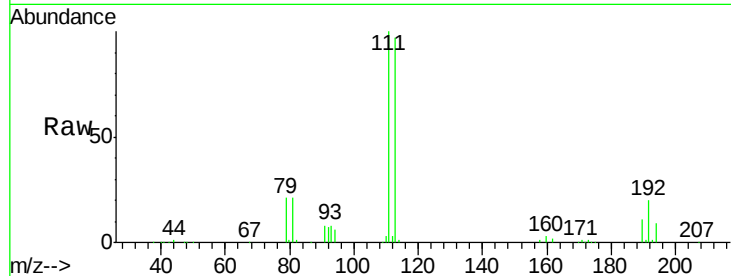
Ion 87.90 (87.60 to 88.60): VW





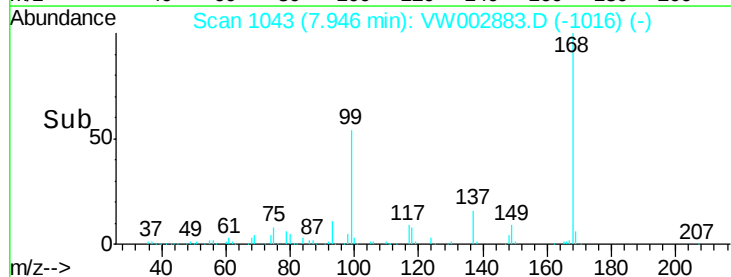
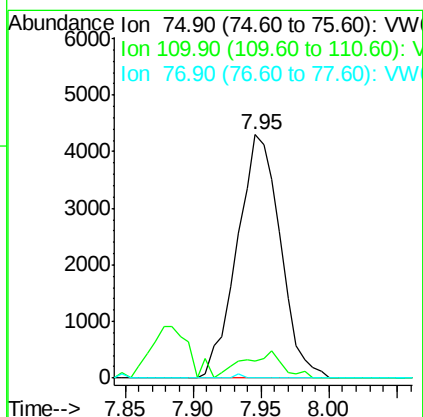
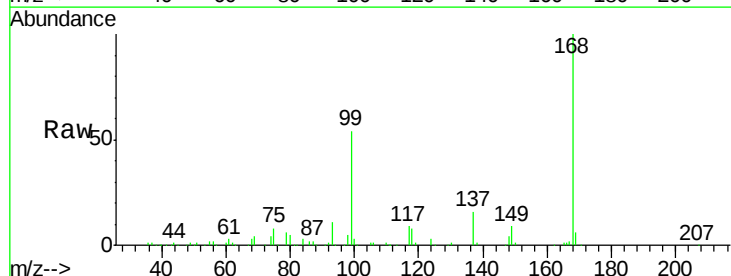
#35
 Dibromofluoromethane
 Concen: 66.12 ug/l
 RT: 7.88 min Scan# 1033
 Delta R.T. -0.00 min
 Lab File: VW002883.D
 Acq: 25 May 2018 19:34

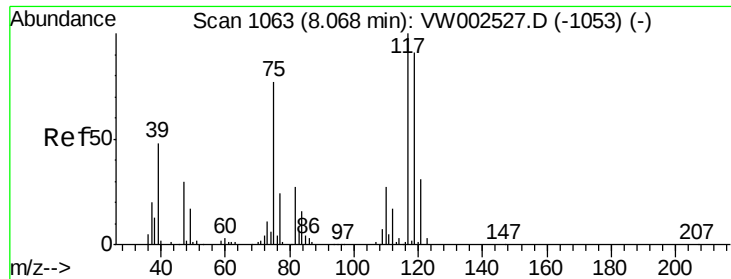
Tgt Ion: 113 Resp: 82580
 Ion Ratio Lower Upper
 113 100
 111 100.6 81.8 122.8
 192 20.1 17.5 26.3



#36
 1,1-Dichloropropene
 Concen: 5.49 ug/l
 RT: 7.95 min Scan# 1043
 Delta R.T. -0.13 min
 Lab File: VW002883.D
 Acq: 25 May 2018 19:34

Tgt Ion: 75 Resp: 9538
 Ion Ratio Lower Upper
 75 100
 110 10.3 17.8 53.5#
 77 0.0 24.5 36.7#





#38

Carbon Tetrachloride

Concen: 7.08 ug/l

RT: 7.95 min Scan# 1044

Delta R.T. -0.12 min

Lab File: VW002883.D

Acq: 25 May 2018 19:34

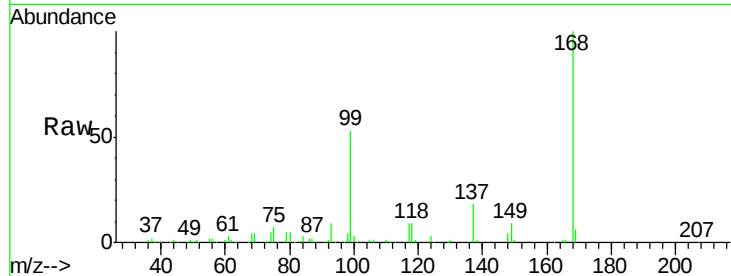
Tgt Ion: 117 Resp: 12036

Ion Ratio Lower Upper

117 100

119 6.6 73.1 109.7#

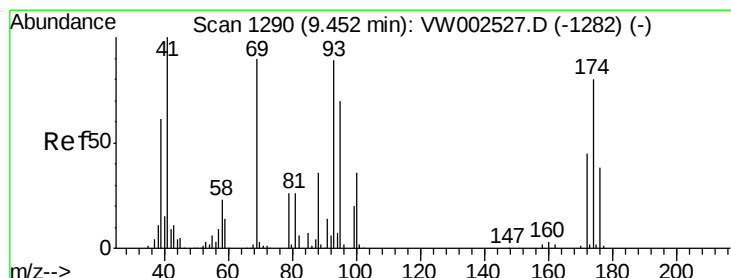
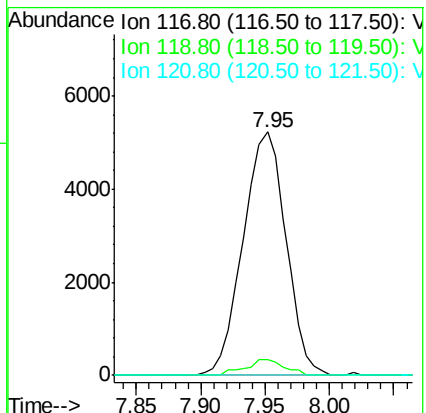
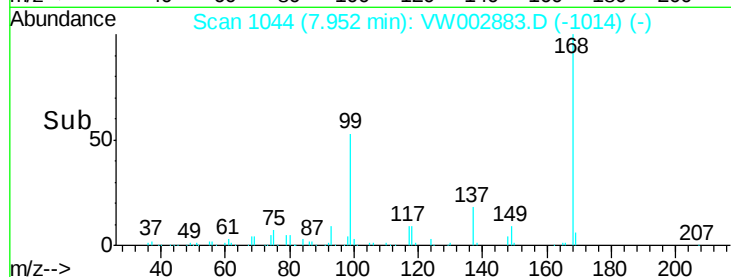
121 0.0 24.4 36.6#



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



#49

1,4-Dioxane

Concen: 1.58 ug/l

RT: 9.58 min Scan# 1311

Delta R.T. 0.13 min

Lab File: VW002883.D

Acq: 25 May 2018 19:34

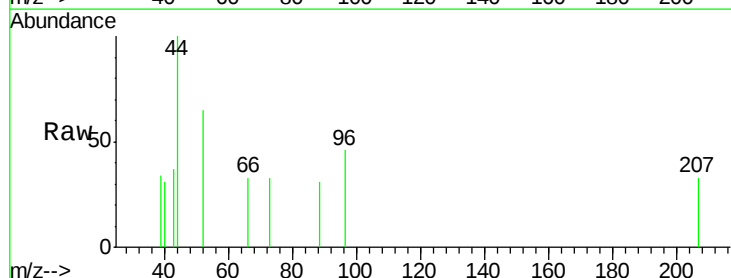
Tgt Ion: 88 Resp: 19

Ion Ratio Lower Upper

88 100

43 236.8 27.0 40.4#

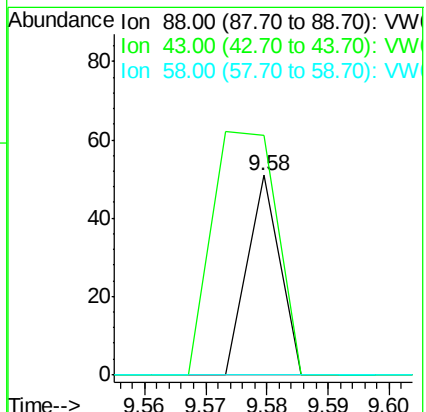
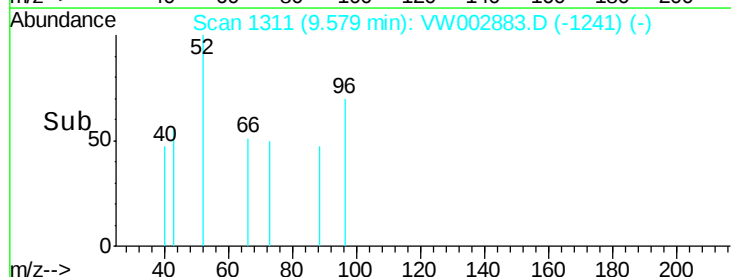
58 0.0 56.9 85.3#

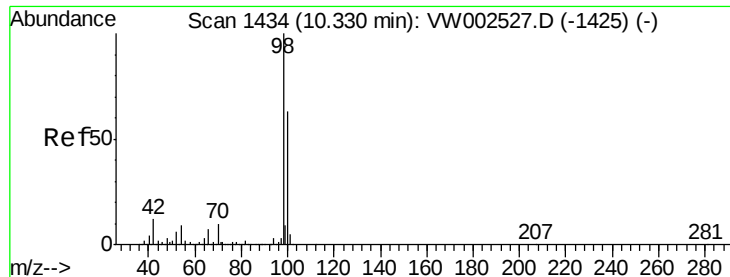


Abundance Ion 88.00 (87.70 to 88.70): VW

Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW





#50

Toluene-d8

Concen: 55.38 ug/l

RT: 10.33 min Scan# 1434

Delta R.T. -0.00 min

Lab File: VW002883.D

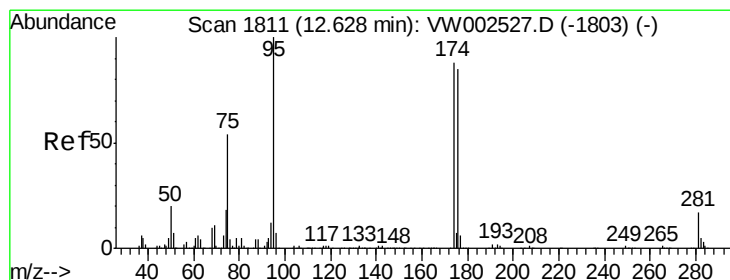
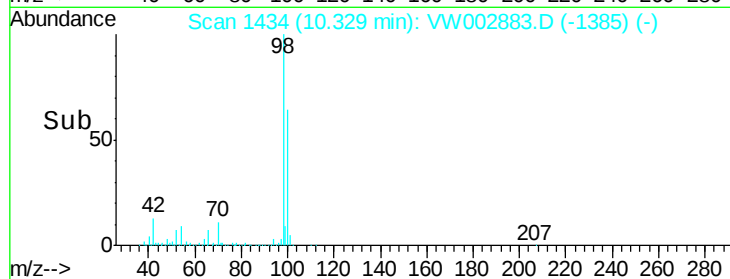
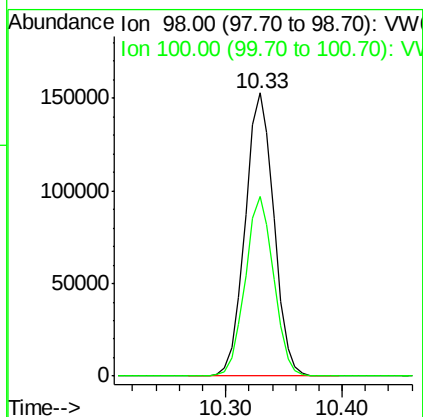
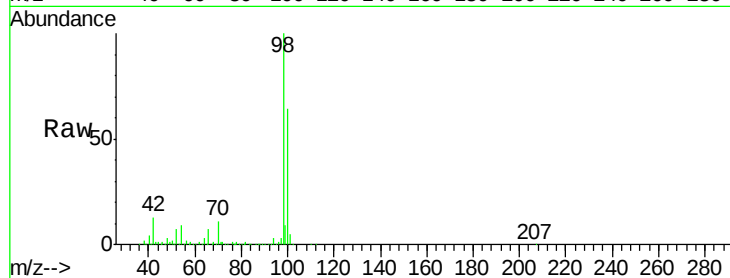
Acq: 25 May 2018 19:34

Tgt Ion: 98 Resp: 263127

Ion Ratio Lower Upper

98 100

100 62.8 51.0 76.4



#62

4-Bromofluorobenzene

Concen: 48.94 ug/l

RT: 12.63 min Scan# 1811

Delta R.T. -0.00 min

Lab File: VW002883.D

Acq: 25 May 2018 19:34

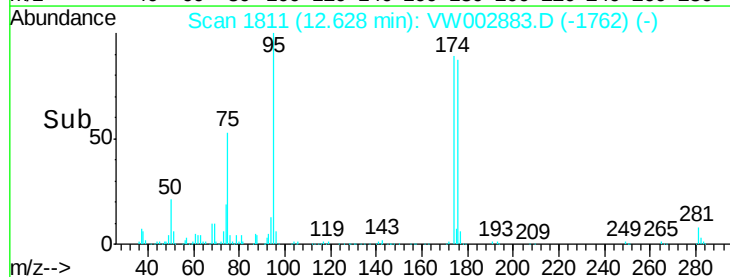
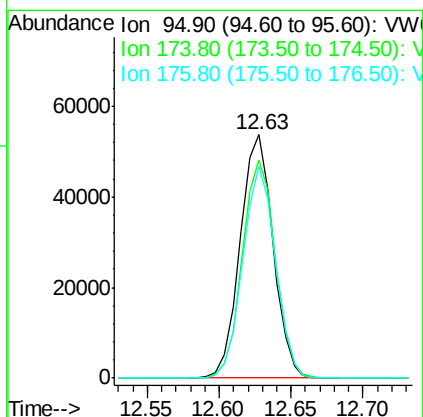
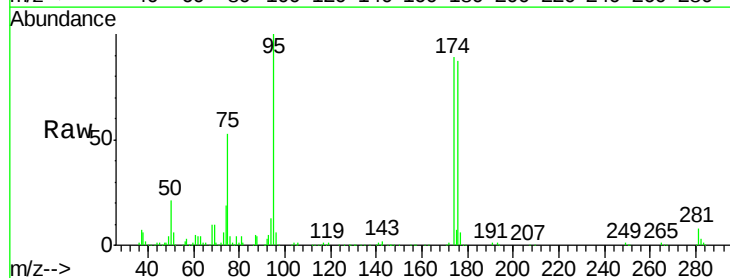
Tgt Ion: 95 Resp: 85032

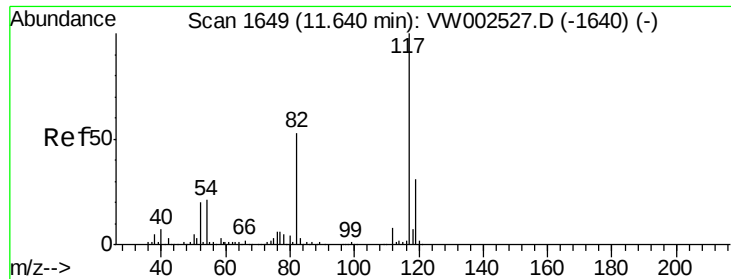
Ion Ratio Lower Upper

95 100

174 90.0 0.0 176.6

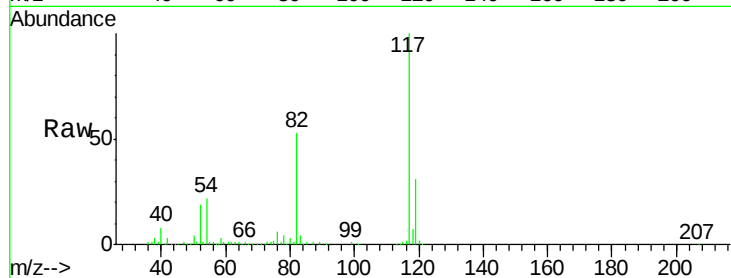
176 85.8 0.0 172.2



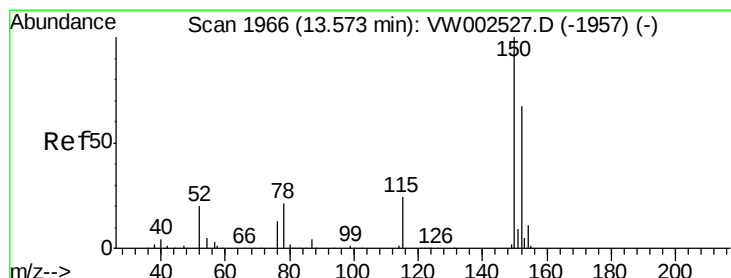
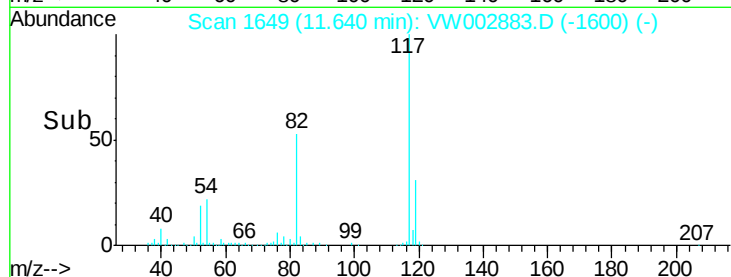
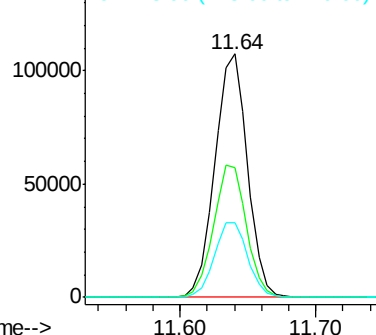


#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 11.64 min Scan# 1649
Delta R.T. -0.00 min
Lab File: VW002883.D
Acq: 25 May 2018 19:34

Tgt Ion	Ratio	Lower	Upper
117	100		
82	53.1	42.6	64.0
119	30.9	25.0	37.6

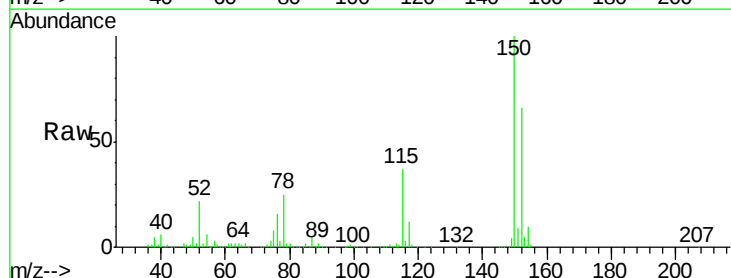


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): V
Ion 118.90 (118.60 to 119.60): V

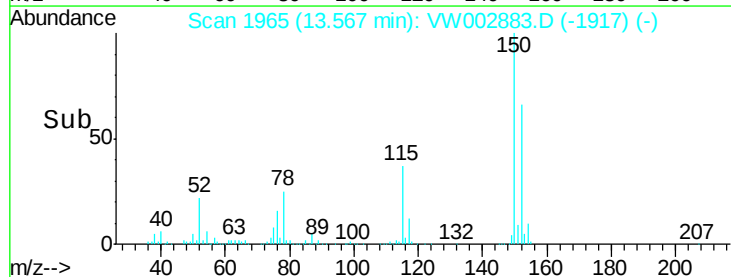
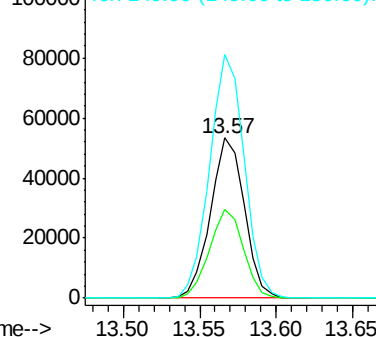


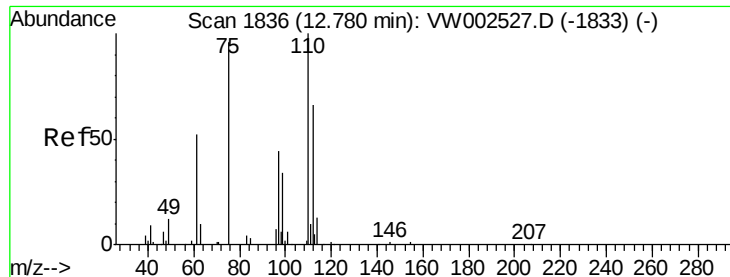
#72
1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 13.57 min Scan# 1965
Delta R.T. -0.01 min
Lab File: VW002883.D
Acq: 25 May 2018 19:34

Tgt Ion	Ratio	Lower	Upper
152	100		
115	55.3	28.0	84.0
150	155.2	0.0	345.4



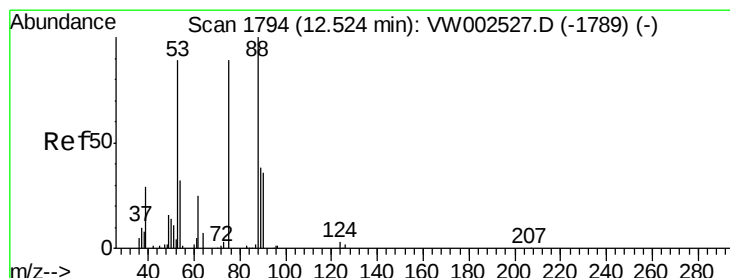
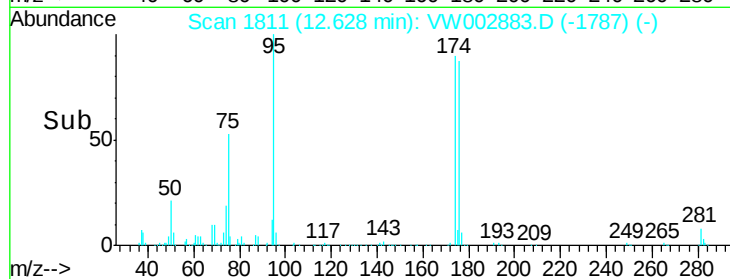
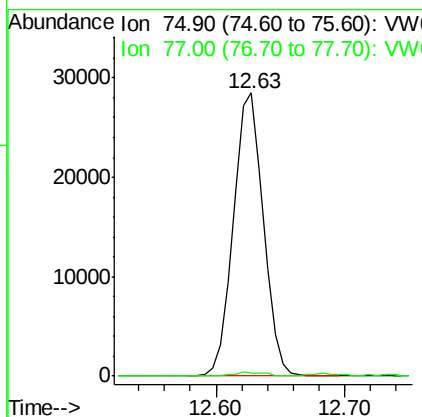
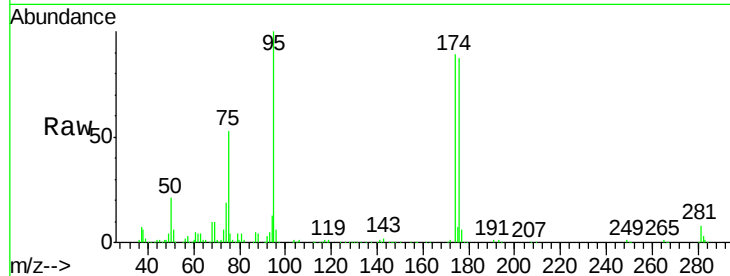
Abundance Ion 151.90 (151.60 to 152.60): V
Ion 114.90 (114.60 to 115.60): V
Ion 149.90 (149.60 to 150.60): V





#76
 1,2,3-Trichloropropane
 Concen: 59.19 ug/l
 RT: 12.63 min Scan# 1811
 Delta R.T. -0.15 min
 Lab File: VW002883.D
 Acq: 25 May 2018 19:34

Tgt Ion: 75 Resp: 46052
 Ion Ratio Lower Upper
 75 100
 77 1.4 0.0 0.0#



#81
 trans-1,4-Dichloro-2-butene
 Concen: 161.38 ug/l
 RT: 12.63 min Scan# 1811
 Delta R.T. 0.10 min
 Lab File: VW002883.D
 Acq: 25 May 2018 19:34

Tgt Ion: 75 Resp: 46052
 Ion Ratio Lower Upper
 75 100
 53 0.0 82.6 124.0#
 89 0.0 39.2 58.8#

