

Data Path : W:\HPCHEM1\MSVOA_W\DATA\VW052518\
 Data File : VW002881.D
 Acq On : 25 May 2018 18:42
 Operator : JC/SY
 Sample : J3078-01RE
 Misc : 5.00G/5ML/MSVOA_W/SOIL
 ALS Vial : 15 Sample Multiplier: 1

Quant Time: May 26 00:42:09 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	135164	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.85	114	221360	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.64	117	203486	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.57	152	91618	50.00	ug/l	0.00

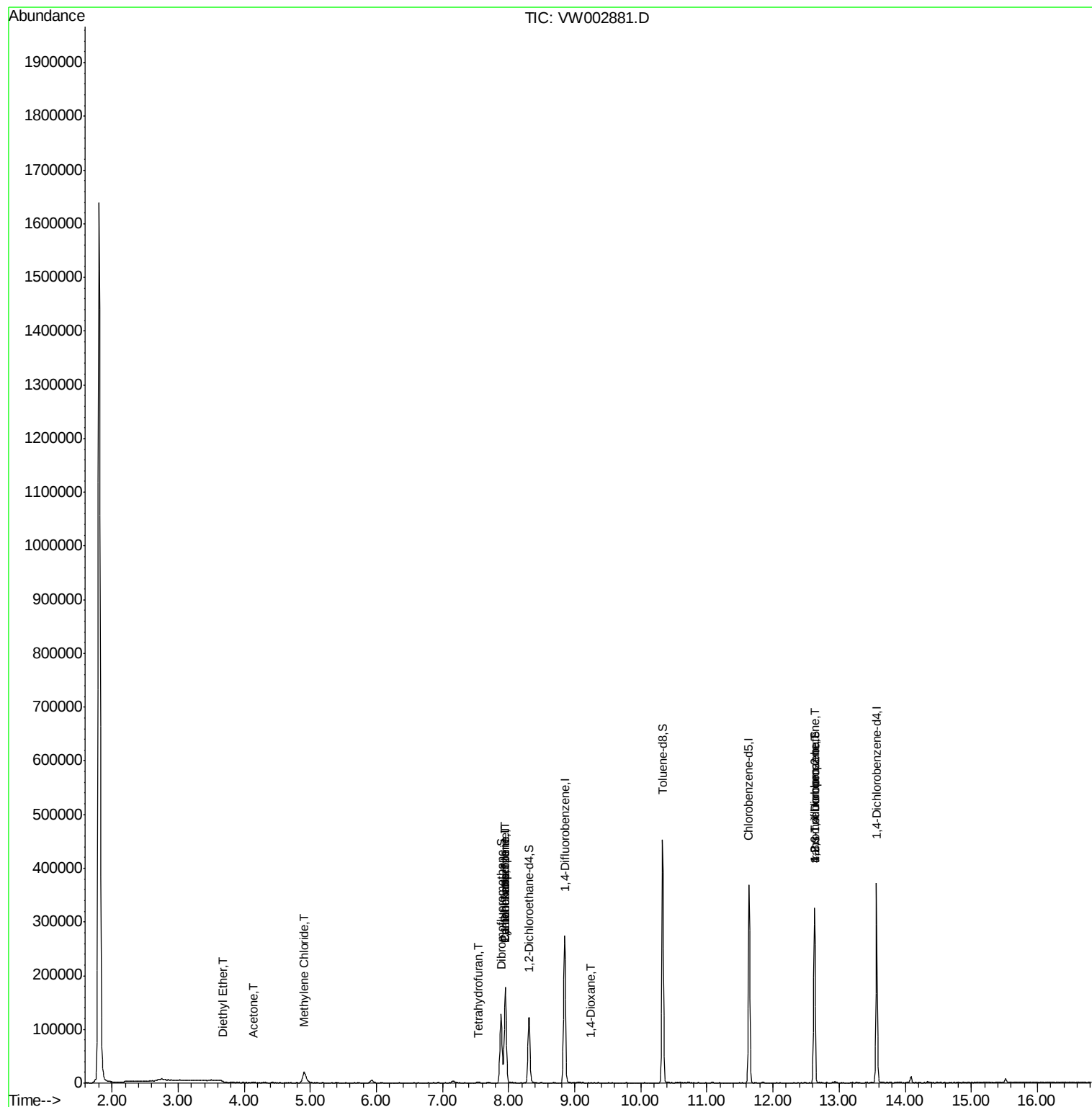
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.31	65	98275	70.36	ug/l	0.00
Spiked Amount	50.000		Recovery	=	140.72%	
35) Dibromofluoromethane	7.88	113	88694	63.16	ug/l	0.00
Spiked Amount	50.000		Recovery	=	126.32%	
50) Toluene-d8	10.33	98	288445	53.99	ug/l	0.00
Spiked Amount	50.000		Recovery	=	107.98%	
62) 4-Bromofluorobenzene	12.63	95	91841	47.01	ug/l	0.00
Spiked Amount	50.000		Recovery	=	94.02%	

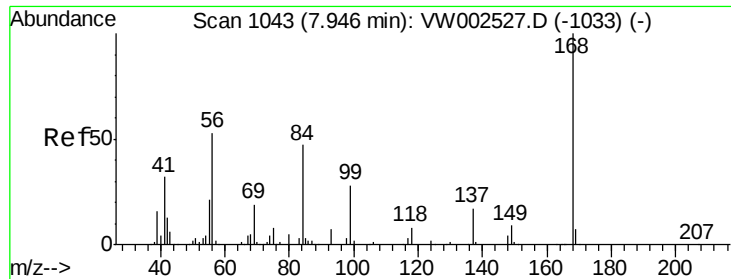
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
8) Diethyl Ether	3.68	74	930	1.13	ug/l #	1
16) Acetone	4.14	43	974	3.30	ug/l #	61
20) Methylene Chloride	4.91	84	16592	12.06	ug/l	95
29) Tetrahydrofuran	7.54	42	315	1.21	ug/l #	67
31) Cyclohexane	7.96	56	3391	1.71	ug/l #	36
36) 1,1-Dichloropropene	7.95	75	10520	5.39	ug/l #	49
38) Carbon Tetrachloride	7.95	117	13129	6.86	ug/l #	19
49) 1,4-Dioxane	9.24	88	23	1.70	ug/l #	1
76) 1,2,3-Trichloropropane	12.63	75	47861	55.26	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.63	75	47861	150.68	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: VW002881.D

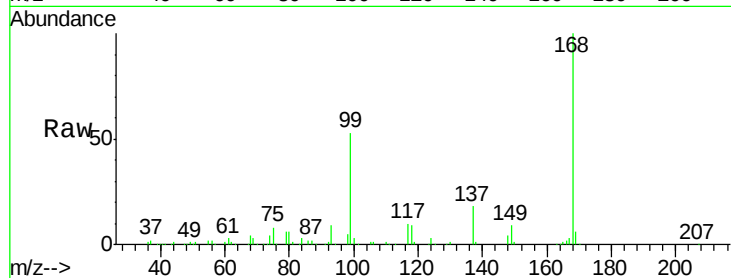
Acq: 25 May 2018 18:42

Tgt Ion: 168 Resp: 135164

Ion Ratio Lower Upper

168 100

99 53.2 42.6 64.0



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW

7.95

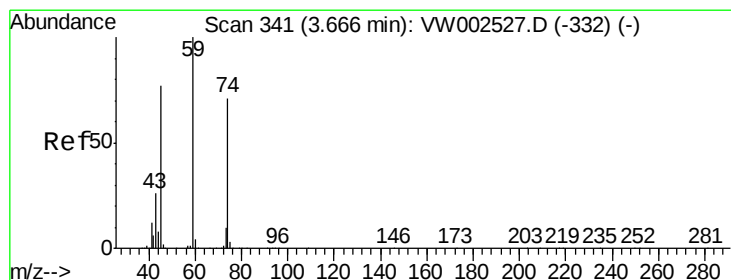
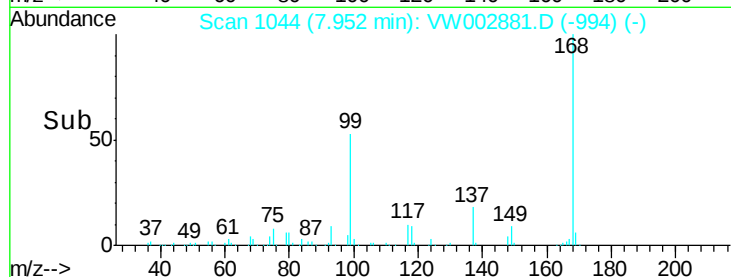
60000

40000

20000

0

Time--> 7.80 7.90 8.00 8.10



#8

Diethyl Ether

Concen: 1.13 ug/l

RT: 3.68 min Scan# 343

Delta R.T. 0.01 min

Lab File: VW002881.D

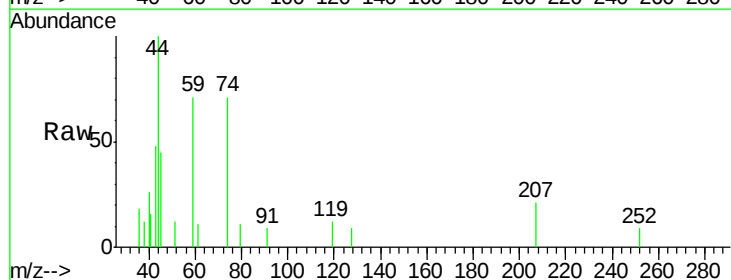
Acq: 25 May 2018 18:42

Tgt Ion: 74 Resp: 930

Ion Ratio Lower Upper

74 100

45 0.0 52.3 156.8#



Abundance Ion 74.00 (73.70 to 74.70): VW

Ion 45.00 (44.70 to 45.70): VW

3.68

500

400

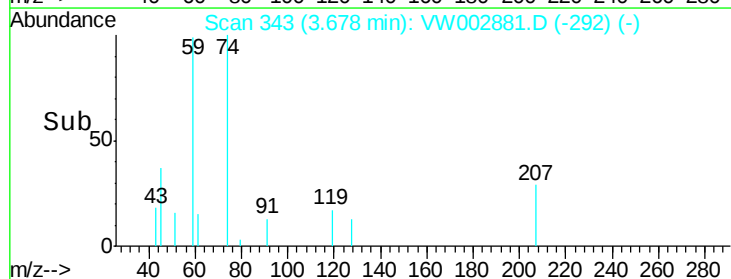
300

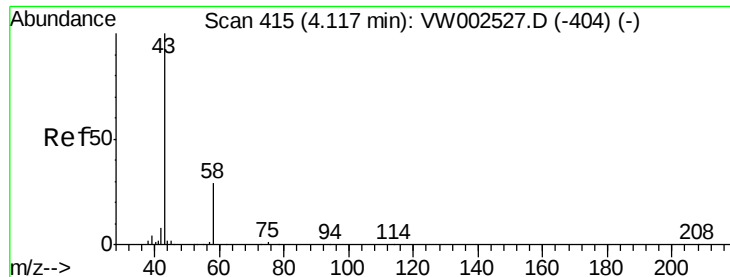
200

100

0

Time--> 3.60 3.65 3.70





#16

Acetone

Concen: 3.30 ug/l

RT: 4.14 min Scan# 418

Delta R.T. 0.02 min

Lab File: VW002881.D

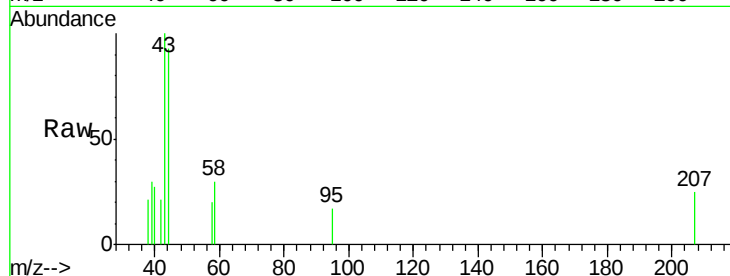
Acq: 25 May 2018 18:42

Tgt Ion: 43 Resp: 974

Ion Ratio Lower Upper

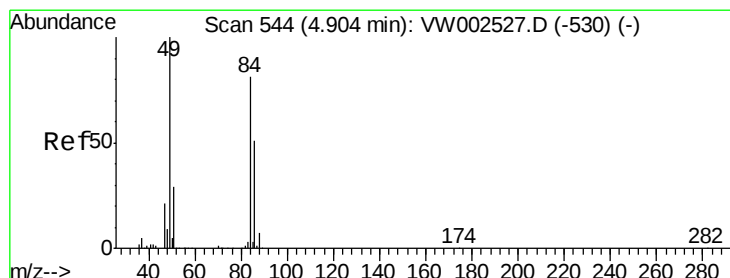
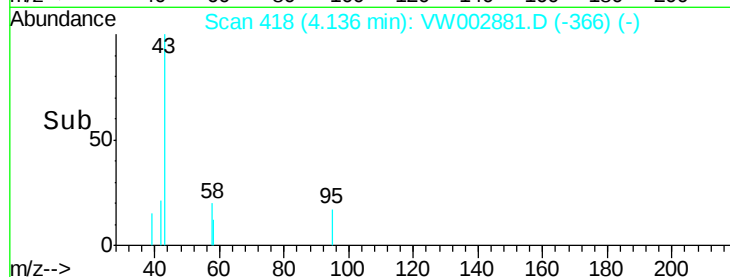
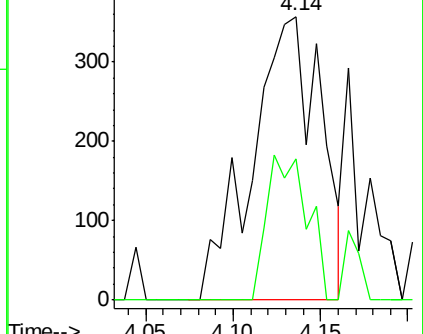
43 100

58 49.9 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: 12.06 ug/l

RT: 4.91 min Scan# 545

Delta R.T. 0.01 min

Lab File: VW002881.D

Acq: 25 May 2018 18:42

Tgt Ion: 84 Resp: 16592

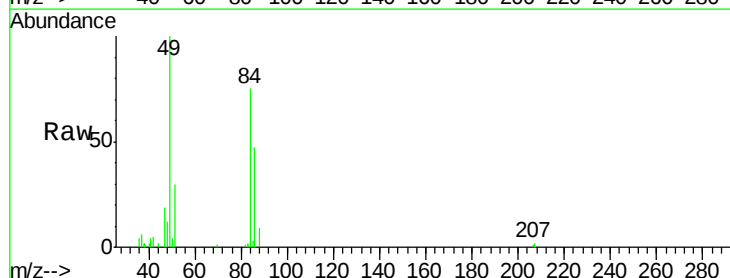
Ion Ratio Lower Upper

84 100

49 132.7 99.4 149.0

51 39.6 29.0 43.6

86 62.2 50.3 75.5

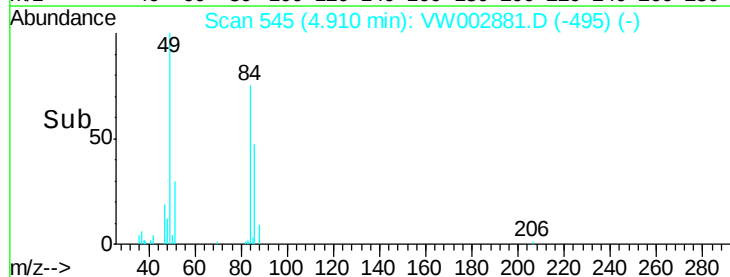
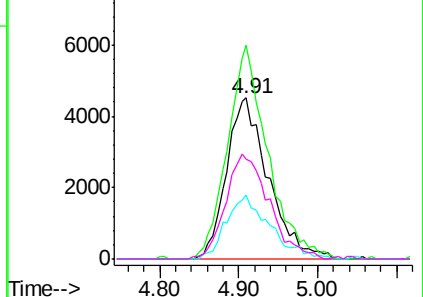


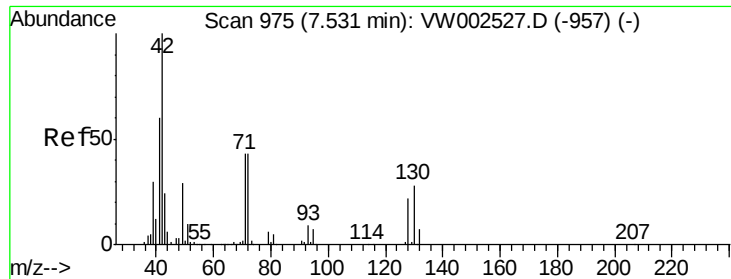
Abundance Ion 83.90 (83.60 to 84.60): VW

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





#29

Tetrahydrofuran

Concen: 1.21 ug/l

RT: 7.54 min Scan# 976

Delta R.T. 0.01 min

Lab File: VW002881.D

Acq: 25 May 2018 18:42

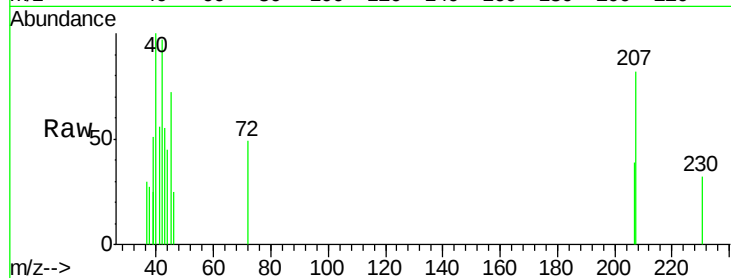
Tgt Ion: 42 Resp: 315

Ion Ratio Lower Upper

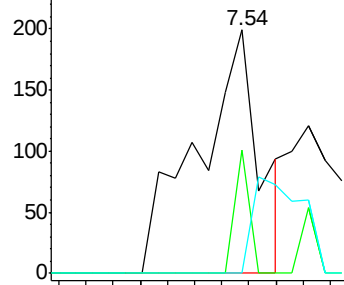
42 100

72 11.7 35.0 52.4#

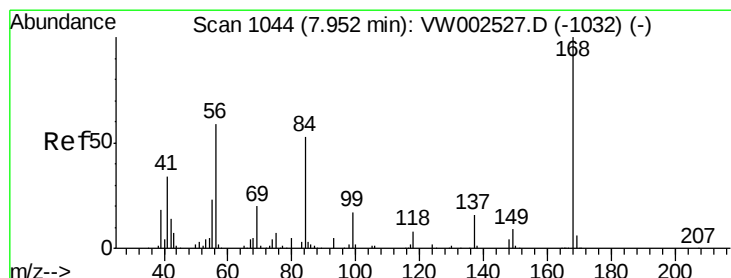
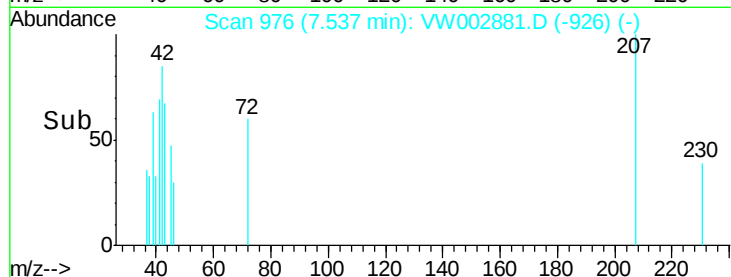
71 31.4 33.0 49.6#



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



Time-->



#31

Cyclohexane

Concen: 1.71 ug/l

RT: 7.96 min Scan# 1045

Delta R.T. 0.01 min

Lab File: VW002881.D

Acq: 25 May 2018 18:42

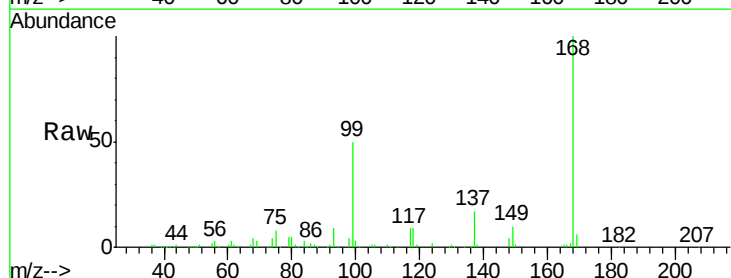
Tgt Ion: 56 Resp: 3391

Ion Ratio Lower Upper

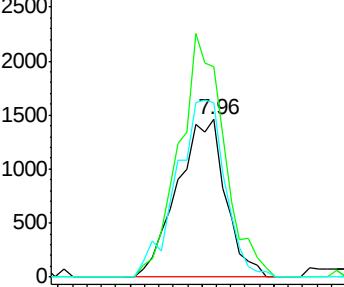
56 100

69 133.5 27.0 40.4#

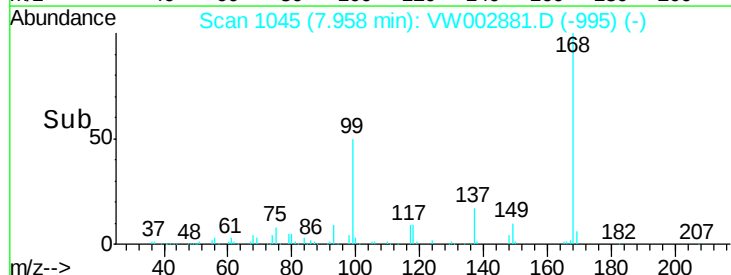
84 110.9 72.2 108.2#

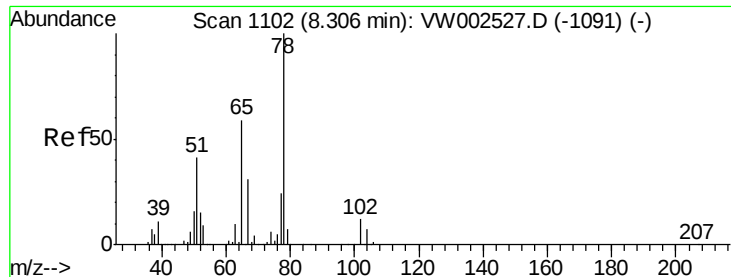


Abundance Ion 56.00 (55.70 to 56.70): VW
Ion 69.00 (68.70 to 69.70): VW
Ion 84.00 (83.70 to 84.70): VW



Time-->





#33

1,2-Dichloroethane-d4

Concen: 70.36 ug/l

RT: 8.31 min Scan# 1103

Delta R.T. 0.01 min

Lab File: VW002881.D

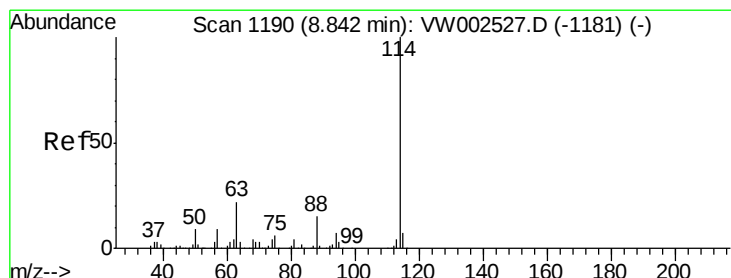
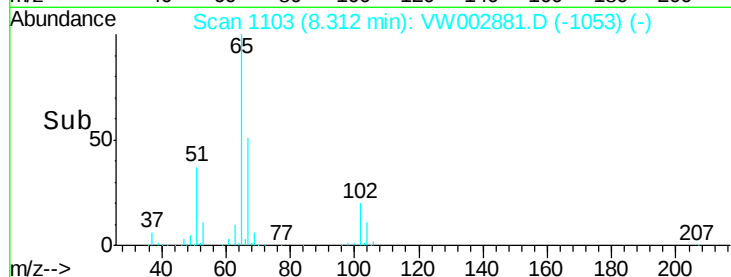
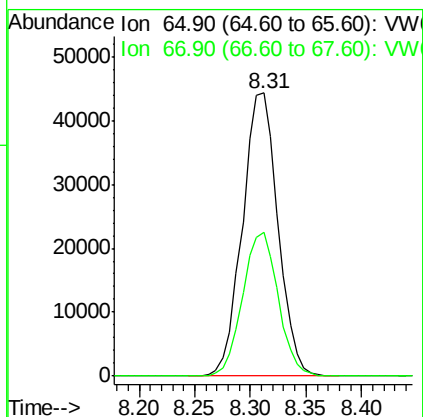
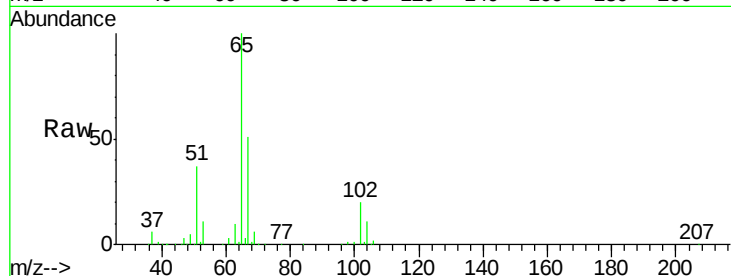
Acq: 25 May 2018 18:42

Tgt Ion: 65 Resp: 98275

Ion Ratio Lower Upper

65 100

67 51.1 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: VW002881.D

Acq: 25 May 2018 18:42

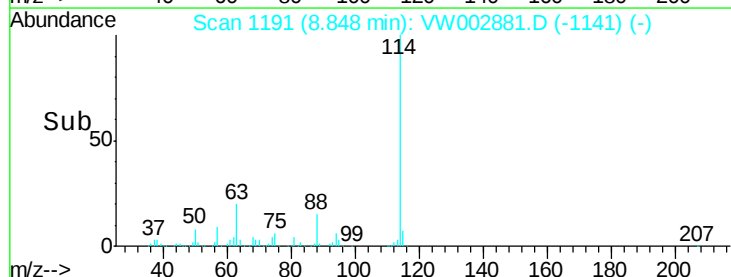
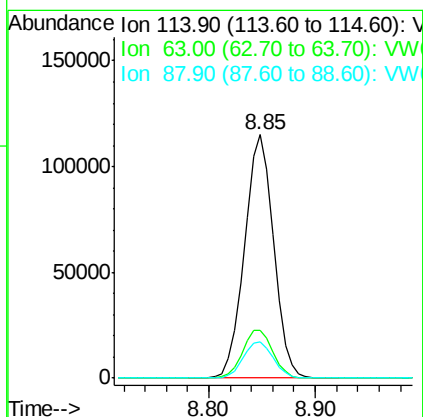
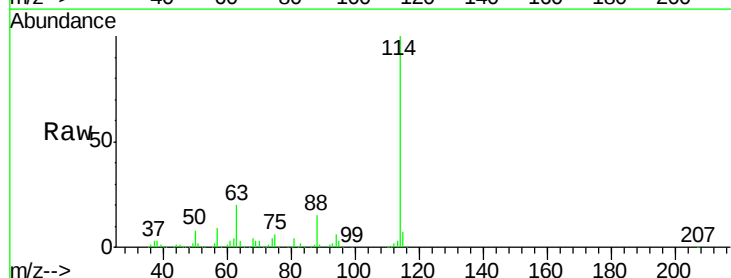
Tgt Ion: 114 Resp: 221360

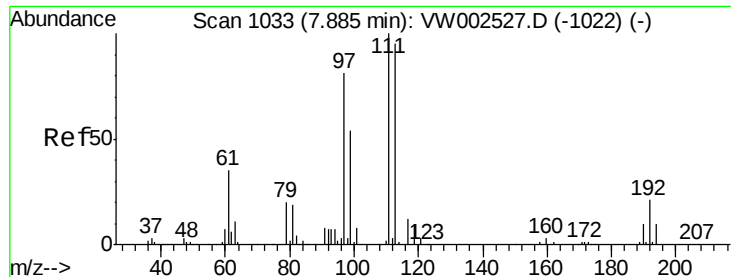
Ion Ratio Lower Upper

114 100

63 19.8 0.0 43.2

88 15.0 0.0 29.2





#35

Dibromofluoromethane

Concen: 63.16 ug/l

RT: 7.88 min Scan# 1033

Delta R.T. 0.00 min

Lab File: VW002881.D

Acq: 25 May 2018 18:42

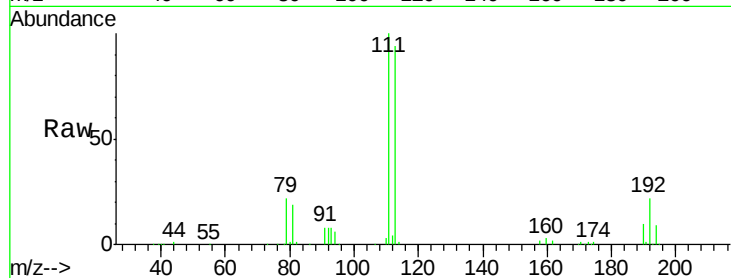
Tgt Ion: 113 Resp: 88694

Ion Ratio Lower Upper

113 100

111 102.9 81.8 122.8

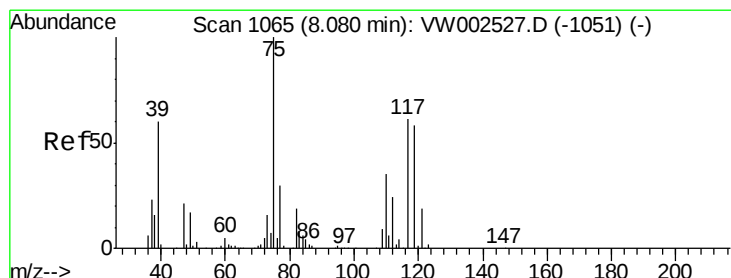
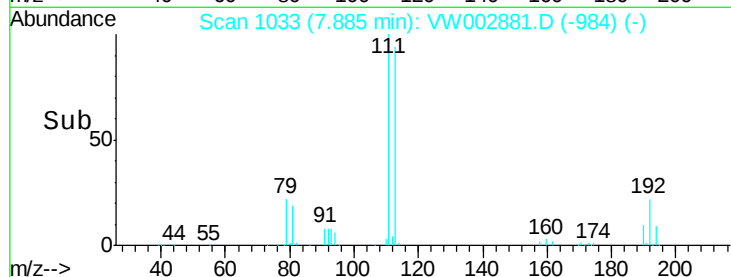
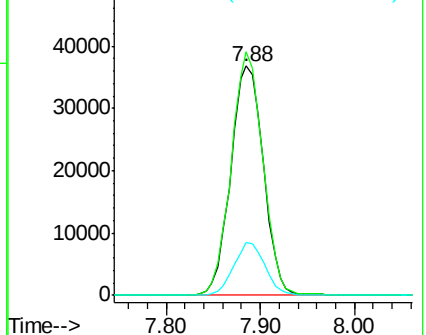
192 22.0 17.5 26.3



Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V



#36

1,1-Dichloropropene

Concen: 5.39 ug/l

RT: 7.95 min Scan# 1044

Delta R.T. -0.13 min

Lab File: VW002881.D

Acq: 25 May 2018 18:42

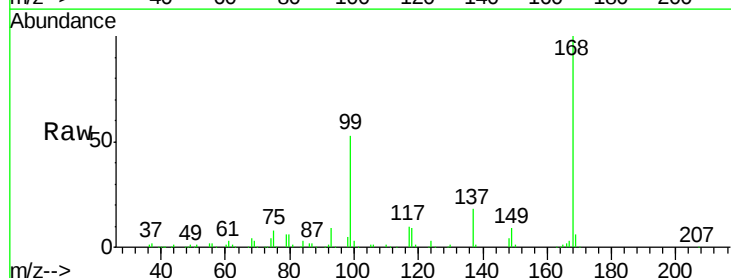
Tgt Ion: 75 Resp: 10520

Ion Ratio Lower Upper

75 100

110 8.6 17.8 53.5#

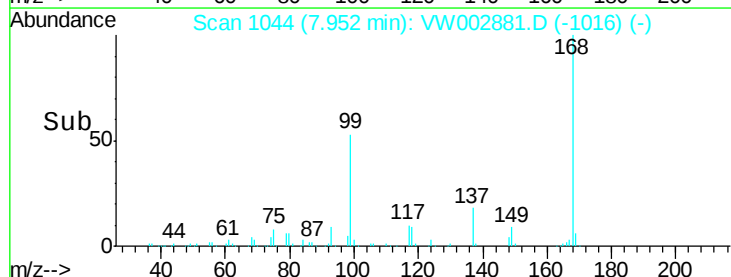
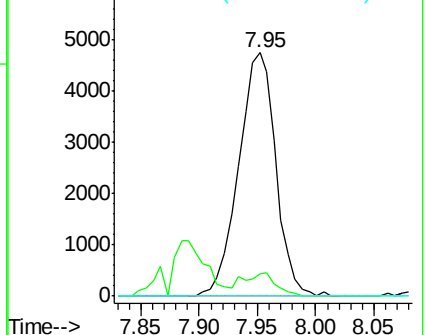
77 0.0 24.5 36.7#

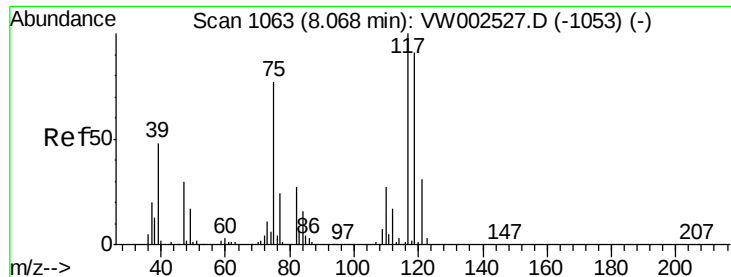


Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VW





#38

Carbon Tetrachloride

Concen: 6.86 ug/l

RT: 7.95 min Scan# 1043

Delta R.T. -0.12 min

Lab File: VW002881.D

Acq: 25 May 2018 18:42

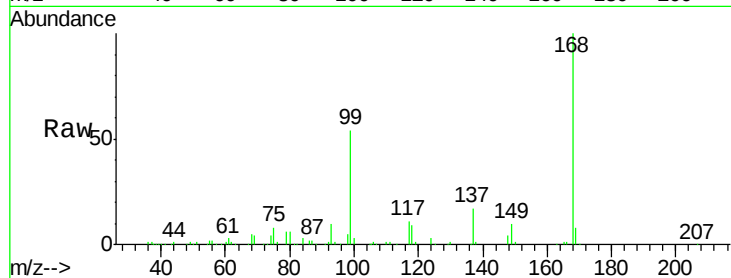
Tgt Ion: 117 Resp: 13129

Ion Ratio Lower Upper

117 100

119 5.9 73.1 109.7#

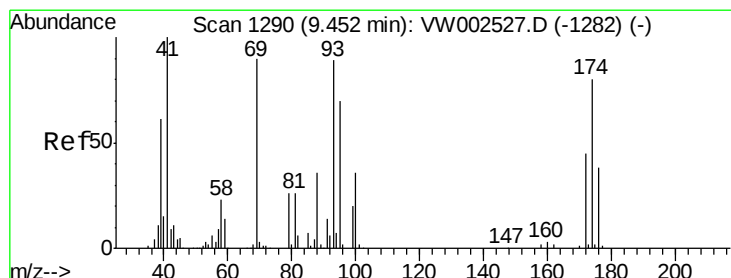
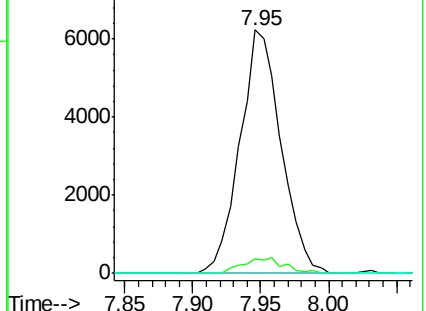
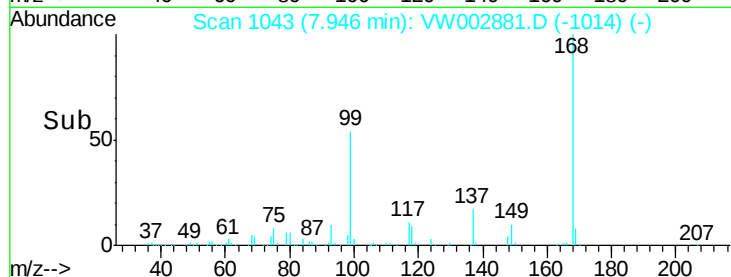
121 0.0 24.4 36.6#



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: 1.70 ug/l

RT: 9.24 min Scan# 1256

Delta R.T. -0.21 min

Lab File: VW002881.D

Acq: 25 May 2018 18:42

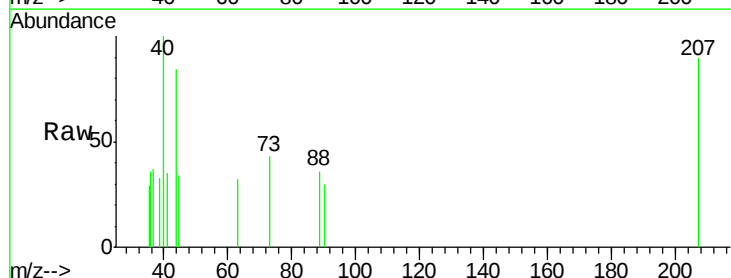
Tgt Ion: 88 Resp: 23

Ion Ratio Lower Upper

88 100

43 178.3 27.0 40.4#

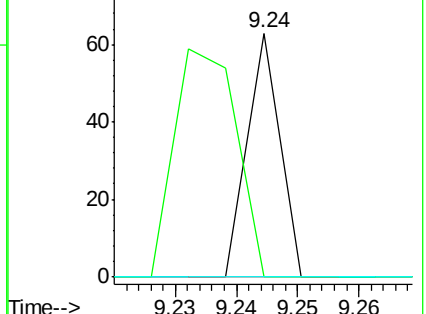
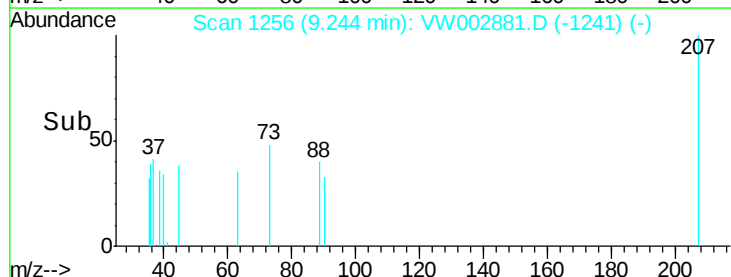
58 0.0 56.9 85.3#

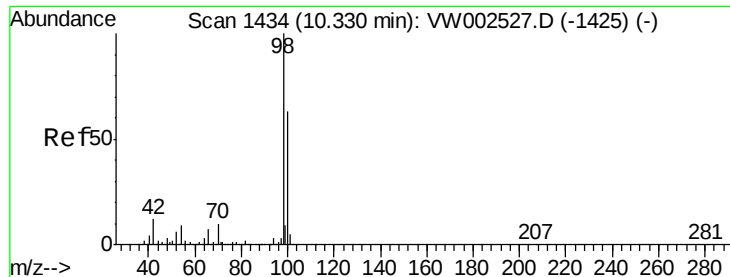


Abundance Ion 88.00 (87.70 to 88.70): VW

Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW





#50

Toluene-d8

Concen: 53.99 ug/l

RT: 10.33 min Scan# 1434

Delta R.T. 0.00 min

Lab File: VW002881.D

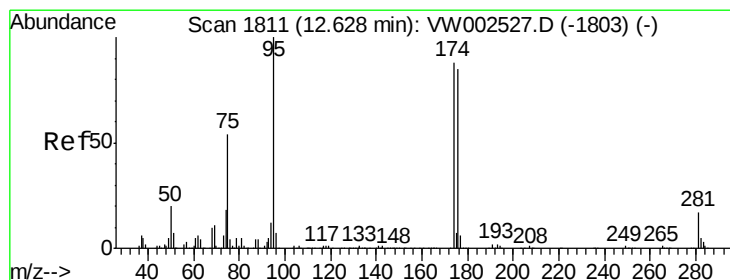
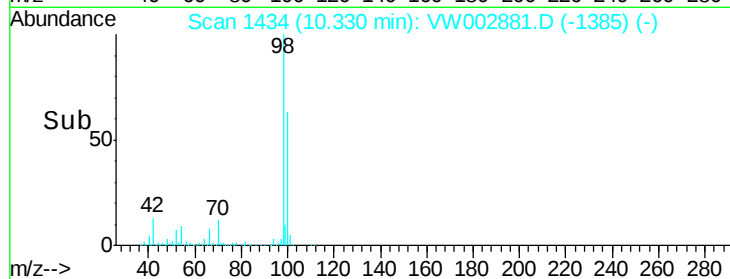
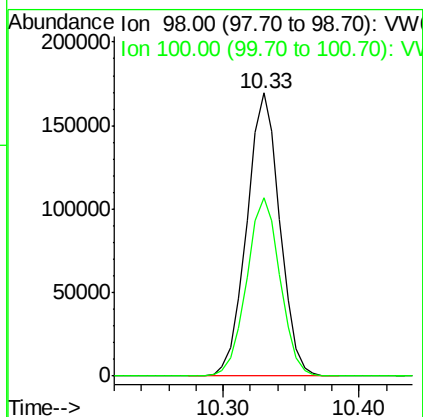
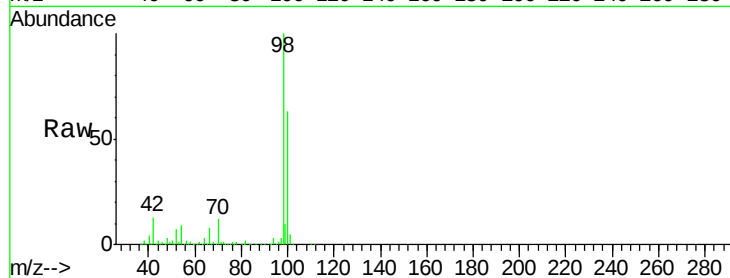
Acq: 25 May 2018 18:42

Tgt Ion: 98 Resp: 288445

Ion Ratio Lower Upper

98 100

100 63.7 51.0 76.4



#62

4-Bromofluorobenzene

Concen: 47.01 ug/l

RT: 12.63 min Scan# 1811

Delta R.T. 0.00 min

Lab File: VW002881.D

Acq: 25 May 2018 18:42

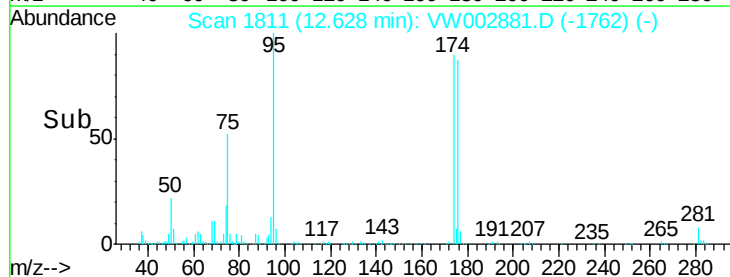
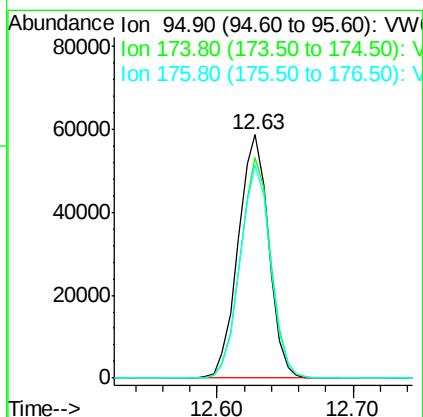
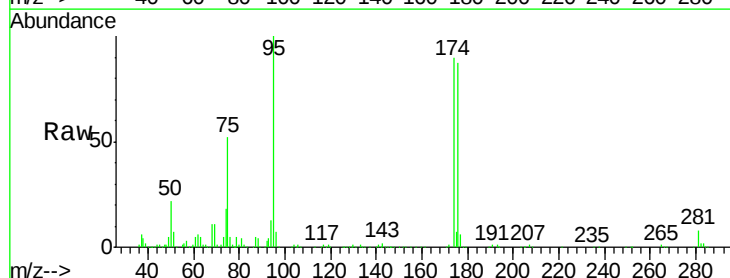
Tgt Ion: 95 Resp: 91841

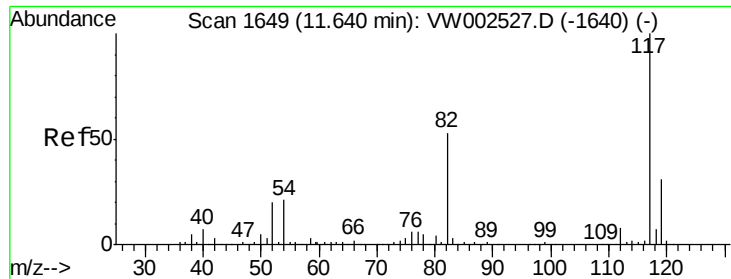
Ion Ratio Lower Upper

95 100

174 90.4 0.0 176.6

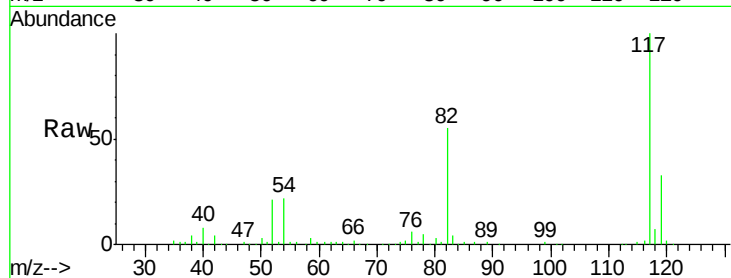
176 87.5 0.0 172.2



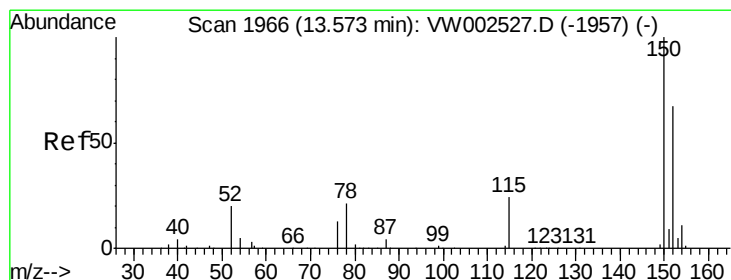
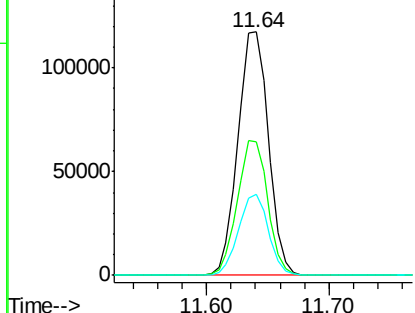
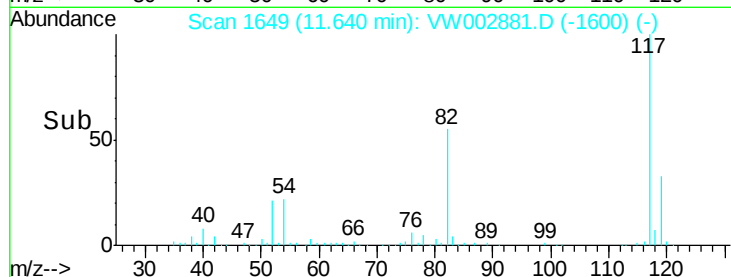


#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 11.64 min Scan# 1649
Delta R.T. 0.00 min
Lab File: VW002881.D
Acq: 25 May 2018 18:42

Tgt Ion	Ratio	Lower	Upper
117	100		
82	54.6	42.6	64.0
119	33.5	25.0	37.6

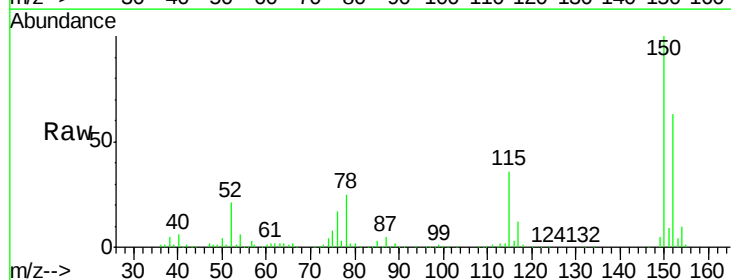


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): V
Ion 118.90 (118.60 to 119.60): V

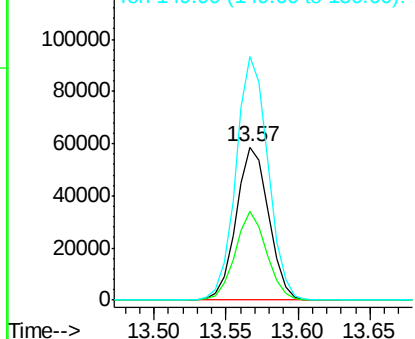
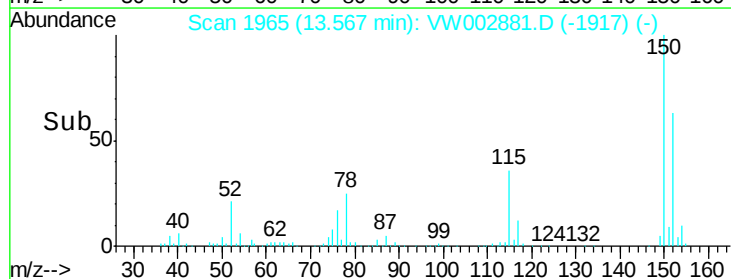


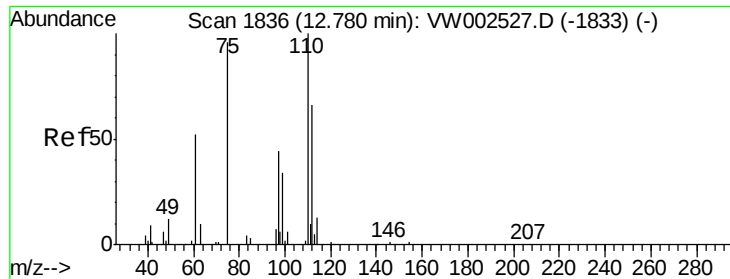
#72
1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 13.57 min Scan# 1965
Delta R.T. -0.01 min
Lab File: VW002881.D
Acq: 25 May 2018 18:42

Tgt Ion	Ratio	Lower	Upper
152	100		
115	56.2	28.0	84.0
150	157.3	0.0	345.4



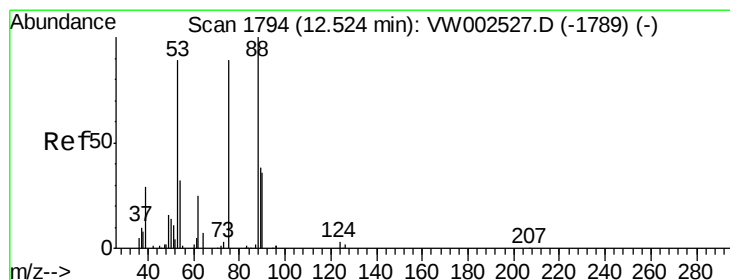
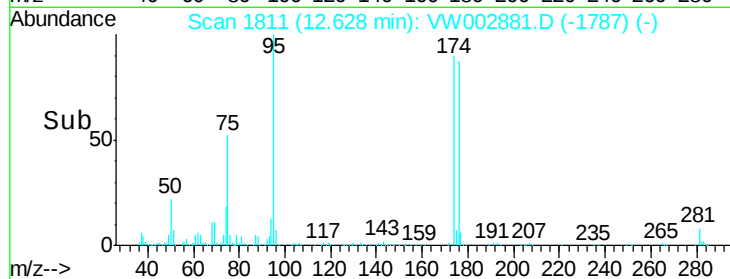
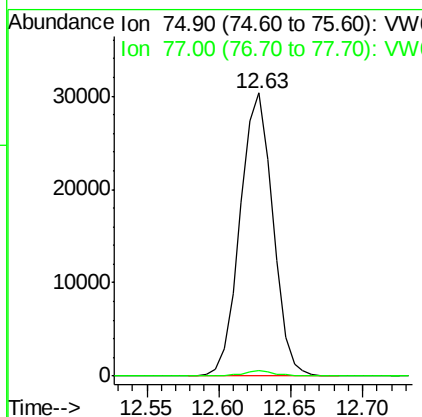
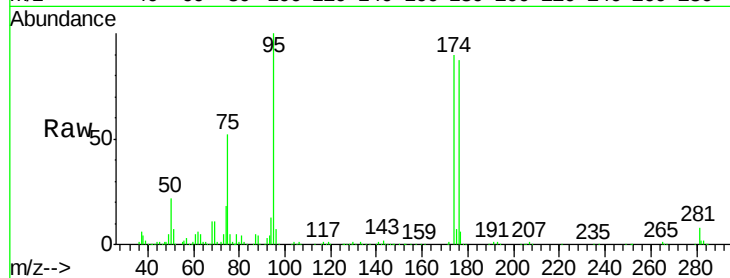
Abundance Ion 151.90 (151.60 to 152.60): V
Ion 114.90 (114.60 to 115.60): V
Ion 149.90 (149.60 to 150.60): V





#76
 1,2,3-Trichloropropane
 Concen: 55.26 ug/l
 RT: 12.63 min Scan# 1811
 Delta R.T. -0.15 min
 Lab File: VW002881.D
 Acq: 25 May 2018 18:42

Tgt Ion: 75 Resp: 47861
 Ion Ratio Lower Upper
 75 100
 77 1.8 0.0 0.0#



#81
 trans-1,4-Dichloro-2-butene
 Concen: 150.68 ug/l
 RT: 12.63 min Scan# 1811
 Delta R.T. 0.10 min
 Lab File: VW002881.D
 Acq: 25 May 2018 18:42

Tgt Ion: 75 Resp: 47861
 Ion Ratio Lower Upper
 75 100
 53 0.1 82.6 124.0#
 89 0.2 39.2 58.8#

