

Data Path : W:\HPCHEM1\MSVOA_W\DATA\VW052518\
 Data File : VW002877.D
 Acq On : 25 May 2018 16:59
 Operator : JC/SY
 Sample : J3078-04
 Misc : 5.00G/5ML/MSVOA_W/SOIL
 ALS Vial : 11 Sample Multiplier: 1

Quant Time: May 26 00:40:18 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	101979	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.85	114	180831	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.64	117	145655	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.57	152	50824	50.00	ug/l	0.00

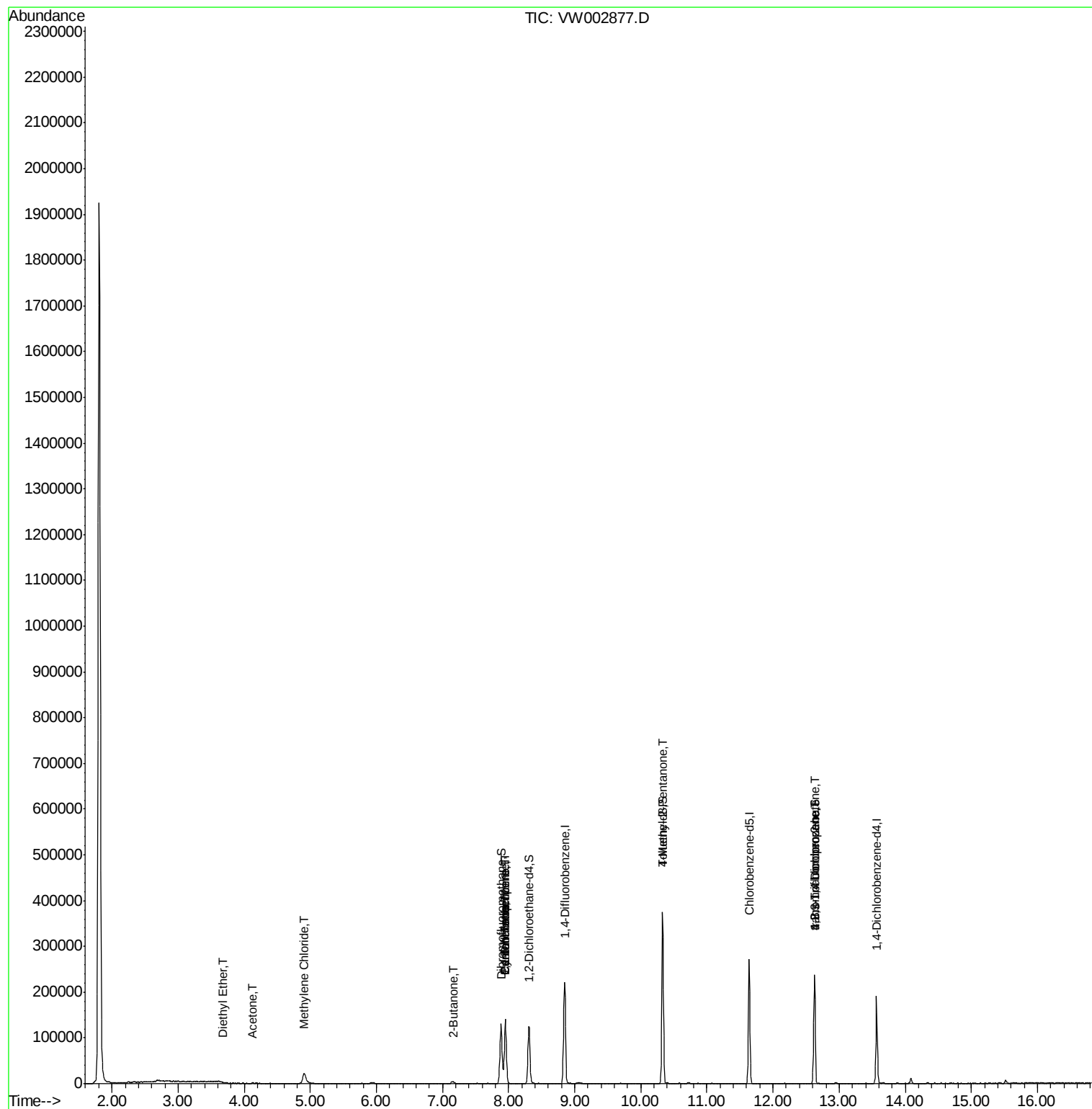
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.31	65	98118	93.11	ug/l	0.00
Spiked Amount	50.000		Recovery	=	186.22%	
35) Dibromofluoromethane	7.88	113	88722	77.34	ug/l	0.00
Spiked Amount	50.000		Recovery	=	154.68%	
50) Toluene-d8	10.33	98	239170	54.80	ug/l	0.00
Spiked Amount	50.000		Recovery	=	109.60%	
62) 4-Bromofluorobenzene	12.63	95	66016	41.36	ug/l	0.00
Spiked Amount	50.000		Recovery	=	82.72%	

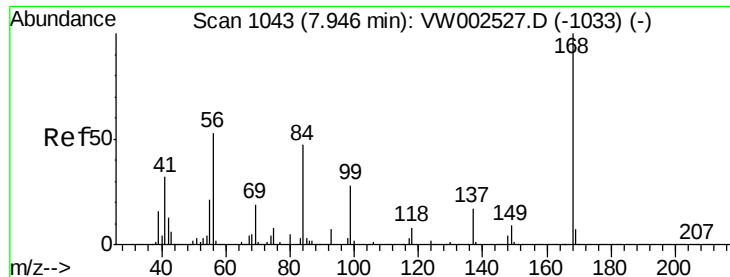
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
8) Diethyl Ether	3.68	74	624	1.00	ug/l	70
16) Acetone	4.14	43	1006	4.52	ug/l	100
20) Methylene Chloride	4.91	84	17814	18.39	ug/l	96
25) 2-Butanone	7.17	43	477	1.52	ug/l #	49
31) Cyclohexane	7.95	56	2441	1.63	ug/l #	43
36) 1,1-Dichloropropene	7.95	75	8067	5.06	ug/l #	49
38) Carbon Tetrachloride	7.95	117	9944	6.36	ug/l #	17
51) 4-Methyl-2-Pentanone	10.33	43	1420	1.70	ug/l #	1
76) 1,2,3-Trichloropropane	12.63	75	34252	71.30	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.63	75	34252	194.39	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: VW002877.D

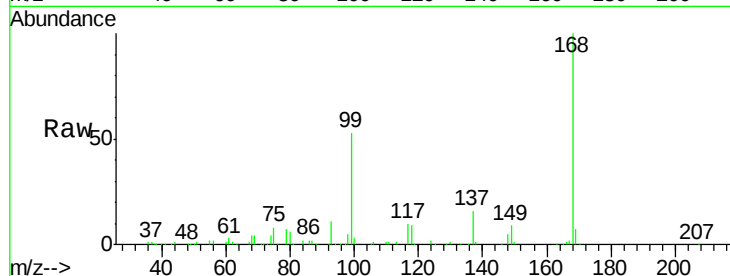
Acq: 25 May 2018 16:59

Tgt Ion: 168 Resp: 101979

Ion Ratio Lower Upper

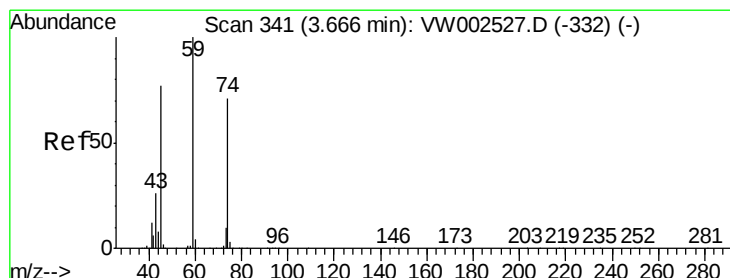
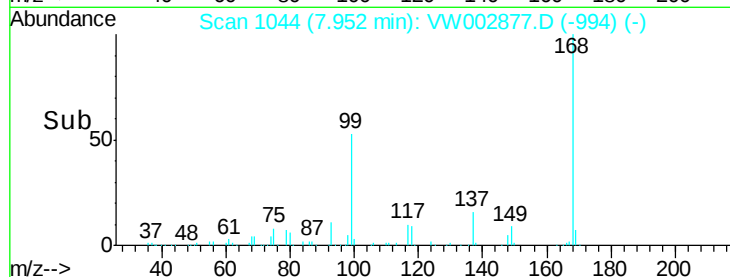
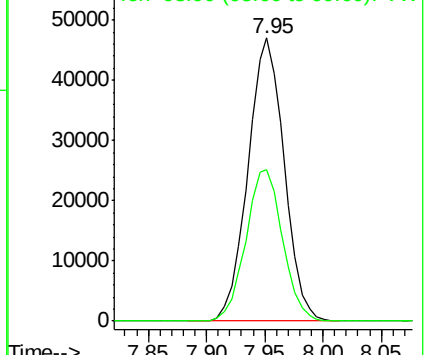
168 100

99 53.5 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: 1.00 ug/l

RT: 3.68 min Scan# 343

Delta R.T. 0.01 min

Lab File: VW002877.D

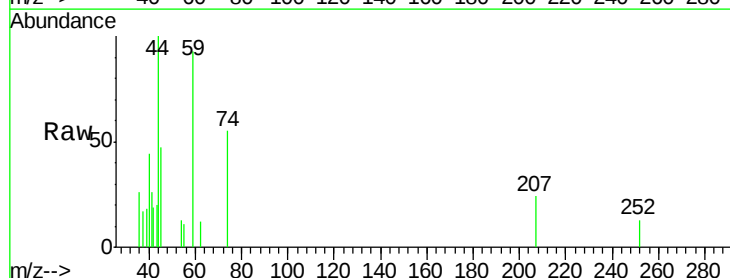
Acq: 25 May 2018 16:59

Tgt Ion: 74 Resp: 624

Ion Ratio Lower Upper

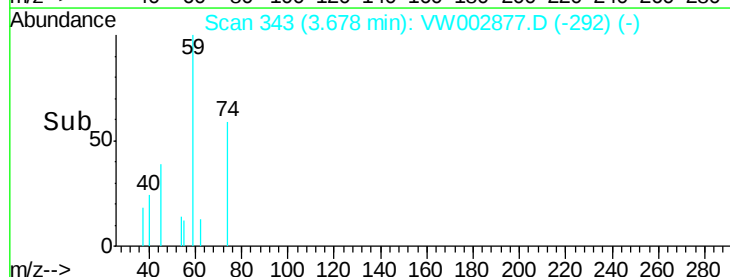
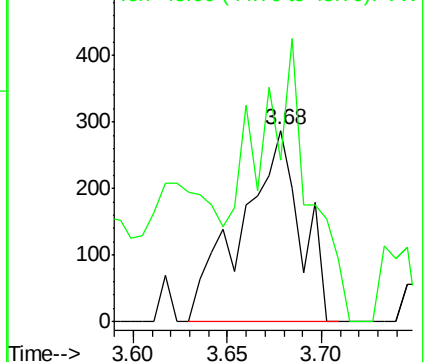
74 100

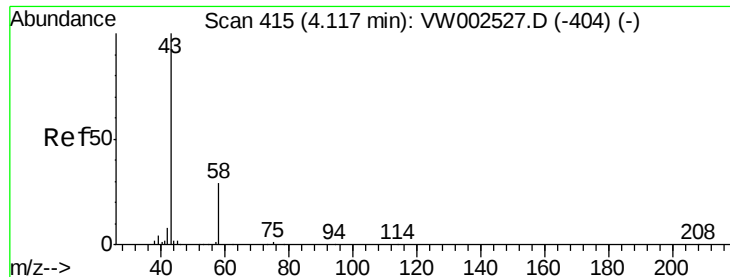
45 135.7 52.3 156.8



Abundance Ion 74.00 (73.70 to 74.70): VW

Ion 45.00 (44.70 to 45.70): VW





#16

Acetone

Concen: 4.52 ug/l

RT: 4.14 min Scan# 418

Delta R.T. 0.02 min

Lab File: VW002877.D

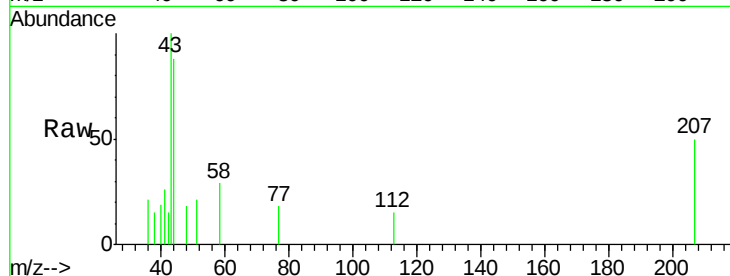
Acq: 25 May 2018 16:59

Tgt Ion: 43 Resp: 1006

Ion Ratio Lower Upper

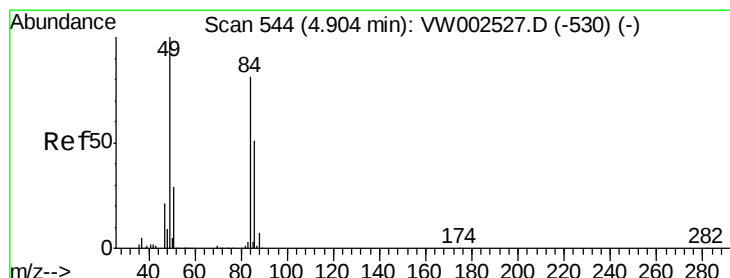
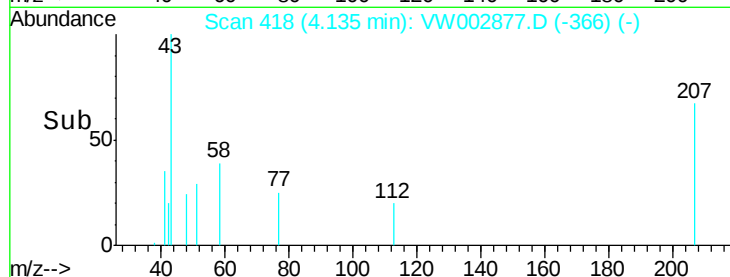
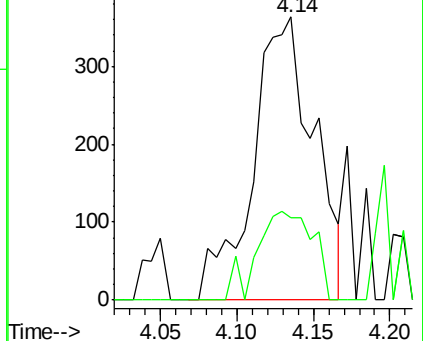
43 100

58 29.2 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: 18.39 ug/l

RT: 4.91 min Scan# 545

Delta R.T. 0.01 min

Lab File: VW002877.D

Acq: 25 May 2018 16:59

Tgt Ion: 84 Resp: 17814

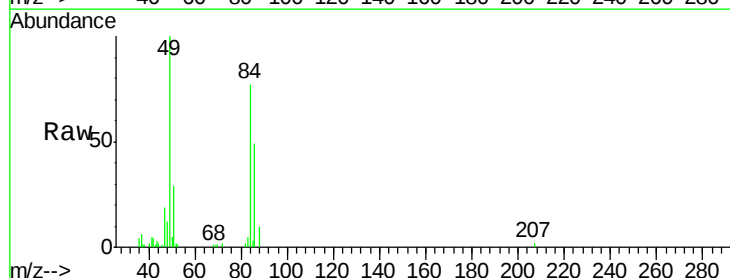
Ion Ratio Lower Upper

84 100

49 130.3 99.4 149.0

51 38.2 29.0 43.6

86 63.9 50.3 75.5

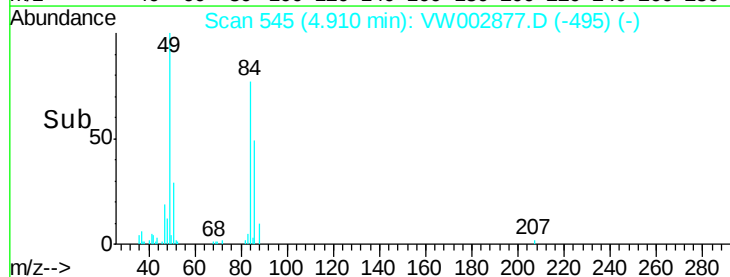
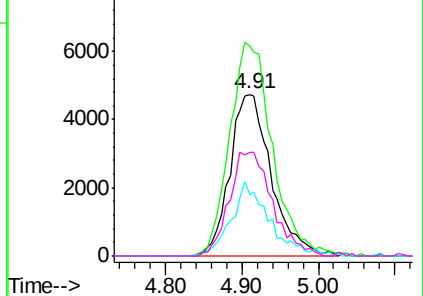


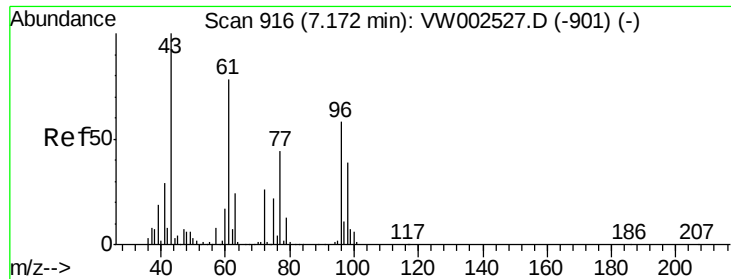
Abundance Ion 83.90 (83.60 to 84.60): VW

Ion 48.90 (48.60 to 49.60): VW

Ion 50.90 (50.60 to 51.60): VW

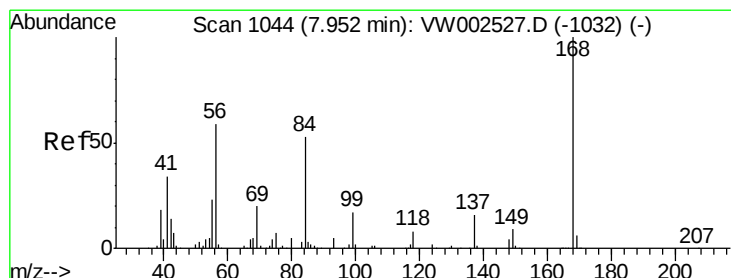
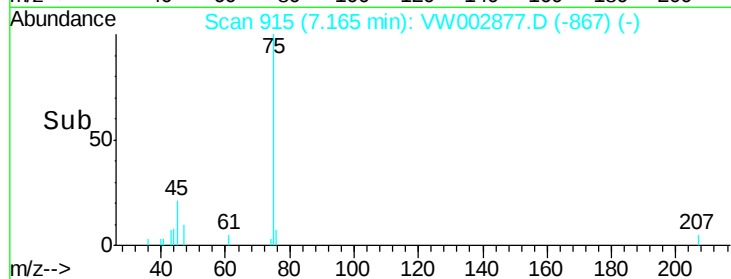
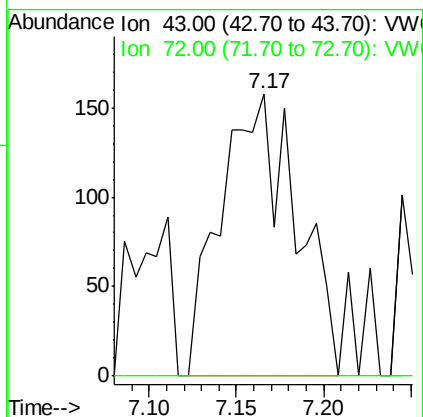
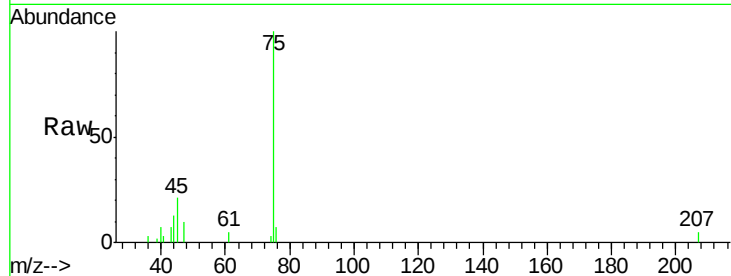
Ion 85.90 (85.60 to 86.60): VW





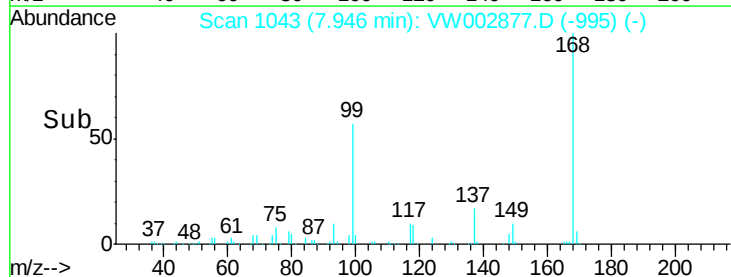
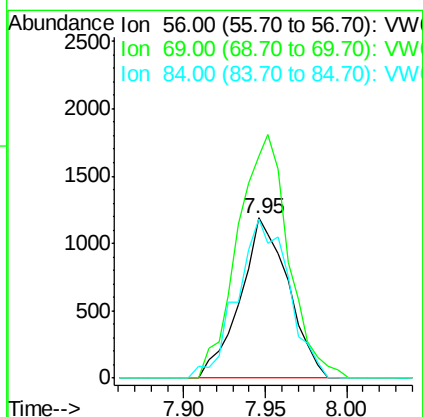
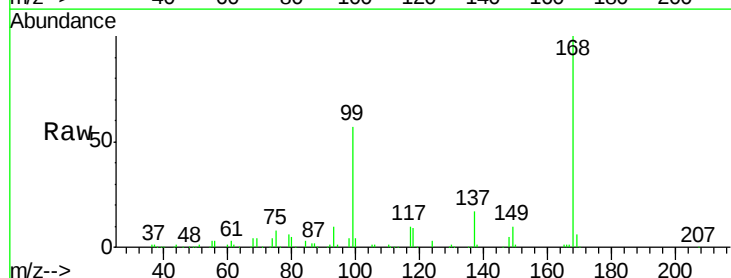
#25
2-Butanone
Concen: 1.52 ug/l
RT: 7.17 min Scan# 915
Delta R.T. -0.01 min
Lab File: VW002877.D
Acq: 25 May 2018 16:59

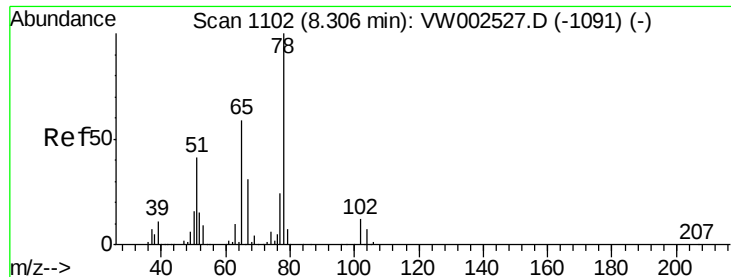
Tgt Ion: 43 Resp: 477
Ion Ratio Lower Upper
43 100
72 0.0 20.9 31.3#



#31
Cyclohexane
Concen: 1.63 ug/l
RT: 7.95 min Scan# 1043
Delta R.T. -0.01 min
Lab File: VW002877.D
Acq: 25 May 2018 16:59

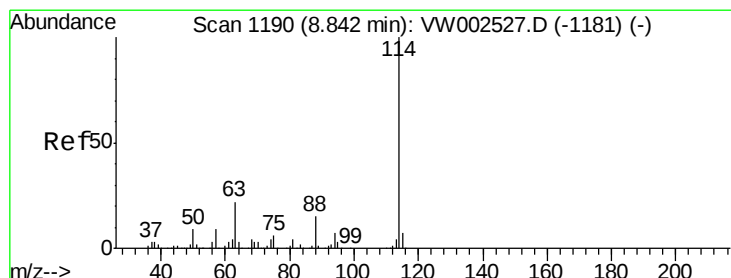
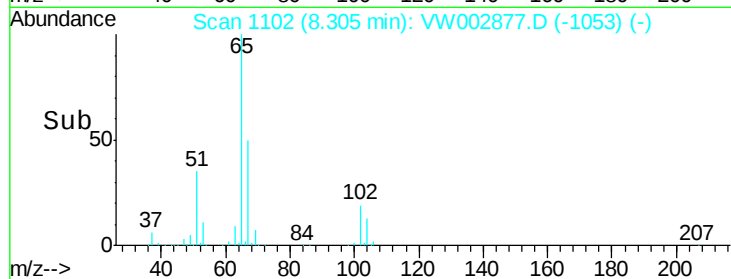
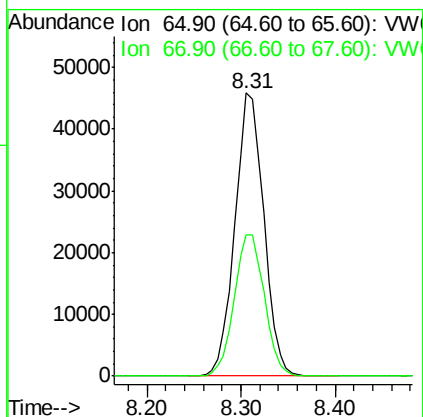
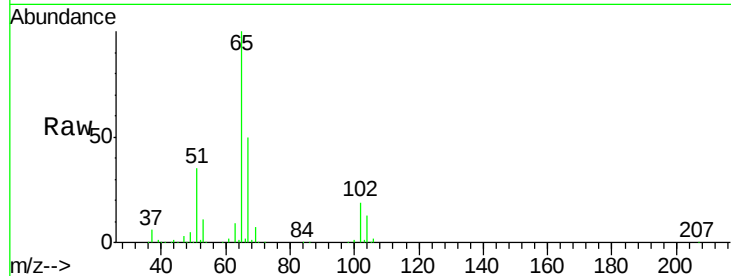
Tgt Ion: 56 Resp: 2441
Ion Ratio Lower Upper
56 100
69 139.0 27.0 40.4#
84 99.6 72.2 108.2





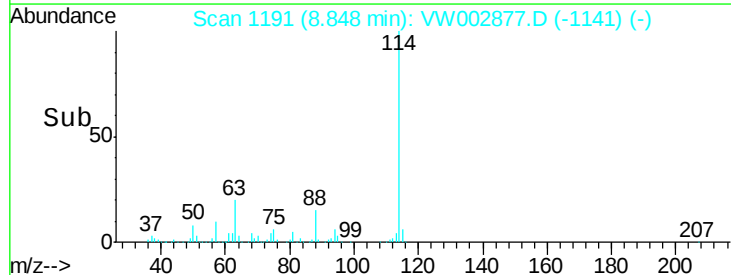
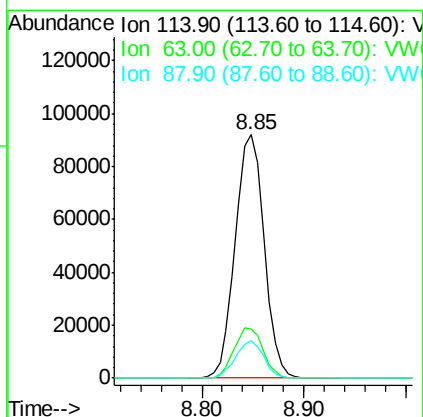
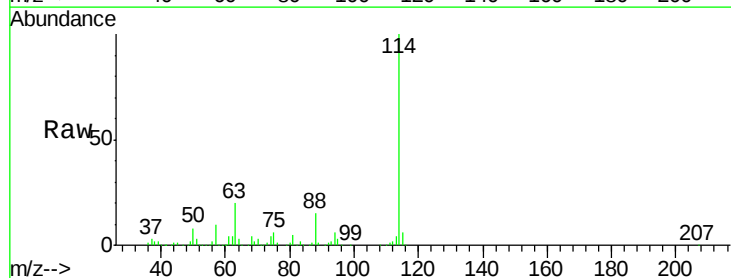
#33
 1,2-Dichloroethane-d4
 Concen: 93.11 ug/l
 RT: 8.31 min Scan# 1102
 Delta R.T. -0.00 min
 Lab File: VW002877.D
 Acq: 25 May 2018 16:59

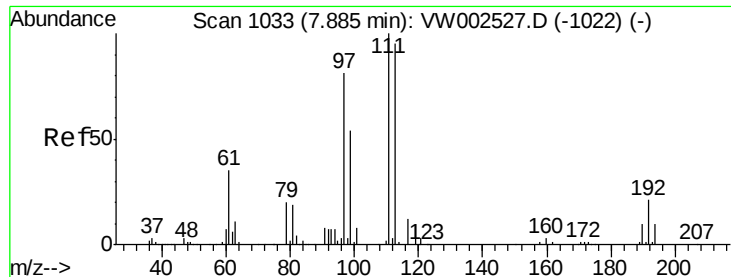
Tgt Ion: 65 Resp: 98118
 Ion Ratio Lower Upper
 65 100
 67 52.1 0.0 104.4



#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 8.85 min Scan# 1191
 Delta R.T. 0.01 min
 Lab File: VW002877.D
 Acq: 25 May 2018 16:59

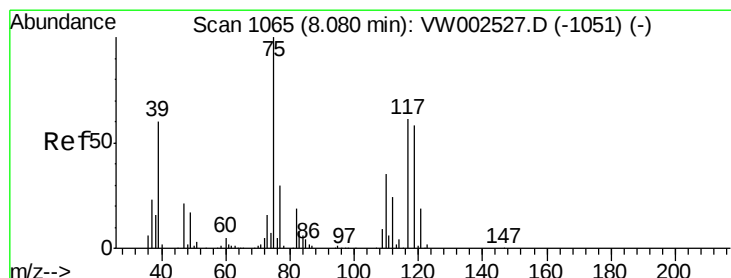
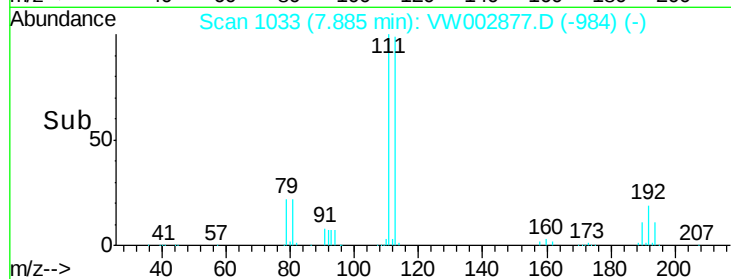
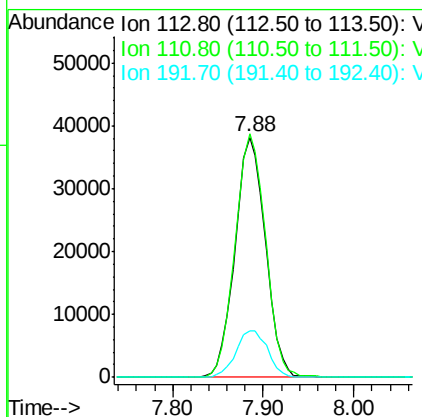
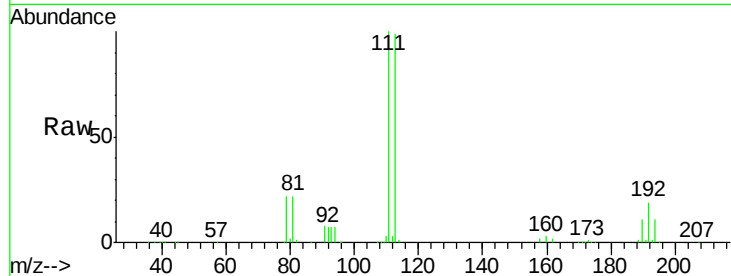
Tgt Ion: 114 Resp: 180831
 Ion Ratio Lower Upper
 114 100
 63 20.2 0.0 43.2
 88 15.2 0.0 29.2





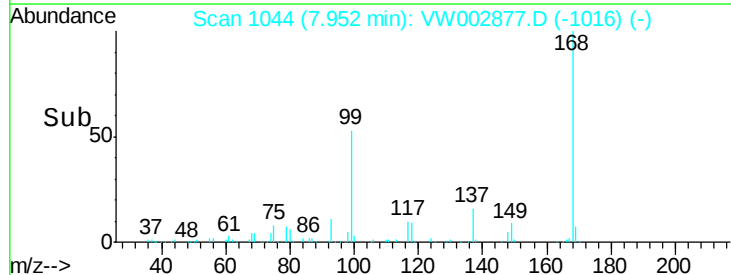
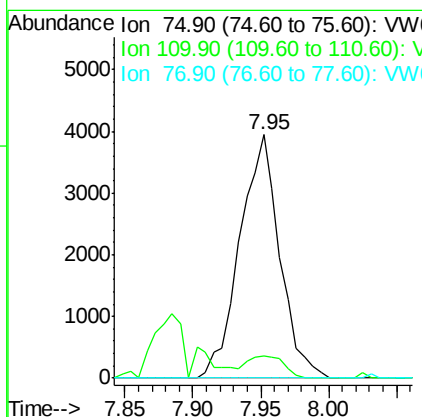
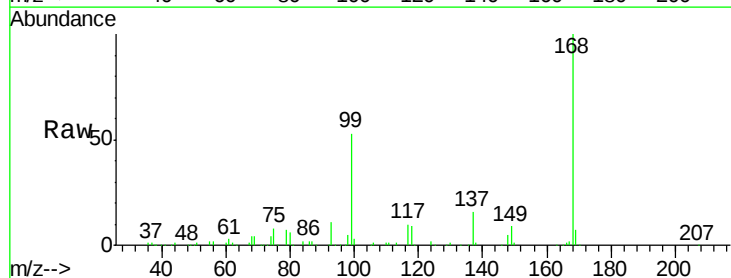
#35
 Dibromofluoromethane
 Concen: 77.34 ug/l
 RT: 7.88 min Scan# 1033
 Delta R.T. -0.00 min
 Lab File: VW002877.D
 Acq: 25 May 2018 16:59

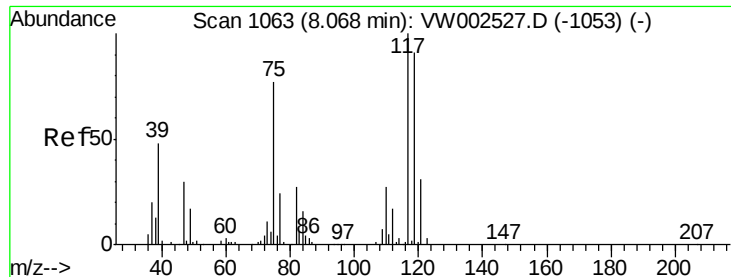
Tgt Ion: 113 Resp: 88722
 Ion Ratio Lower Upper
 113 100
 111 101.6 81.8 122.8
 192 20.5 17.5 26.3



#36
 1,1-Dichloropropene
 Concen: 5.06 ug/l
 RT: 7.95 min Scan# 1044
 Delta R.T. -0.13 min
 Lab File: VW002877.D
 Acq: 25 May 2018 16:59

Tgt Ion: 75 Resp: 8067
 Ion Ratio Lower Upper
 75 100
 110 8.4 17.8 53.5#
 77 0.0 24.5 36.7#





#38

Carbon Tetrachloride

Concen: 6.36 ug/l

RT: 7.95 min Scan# 1044

Delta R.T. -0.12 min

Lab File: VW002877.D

Acq: 25 May 2018 16:59

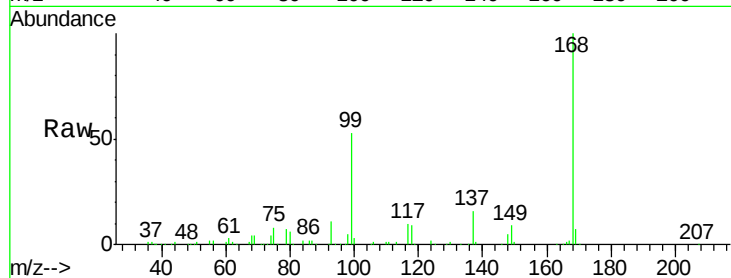
Tgt Ion: 117 Resp: 9944

Ion Ratio Lower Upper

117 100

119 3.5 73.1 109.7#

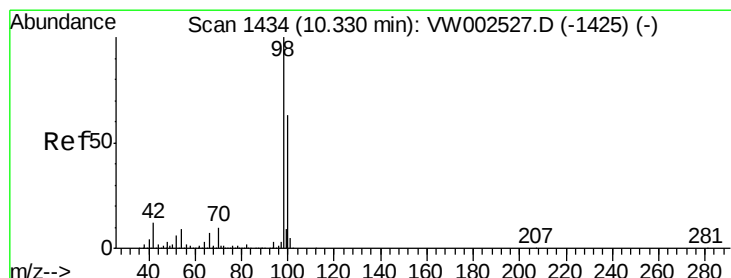
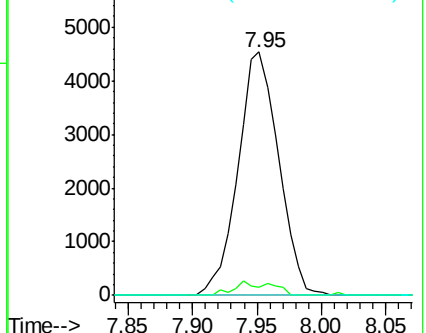
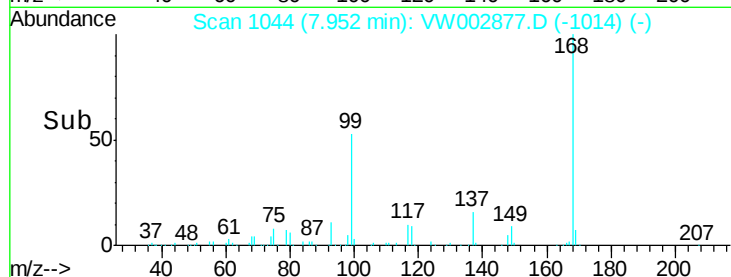
121 0.0 24.4 36.6#



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: 54.80 ug/l

RT: 10.33 min Scan# 1434

Delta R.T. -0.00 min

Lab File: VW002877.D

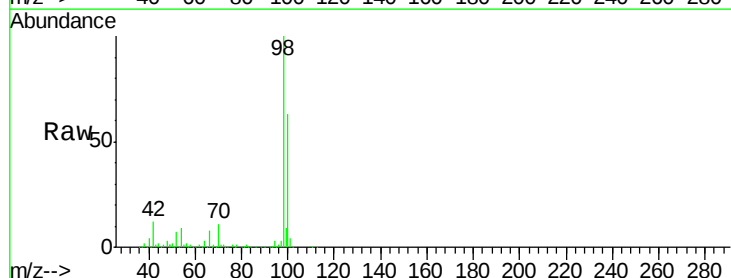
Acq: 25 May 2018 16:59

Tgt Ion: 98 Resp: 239170

Ion Ratio Lower Upper

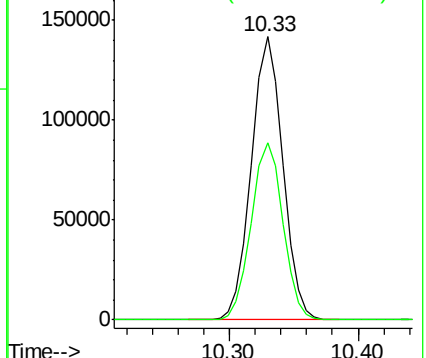
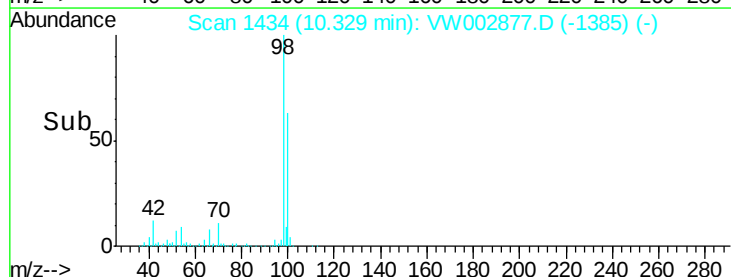
98 100

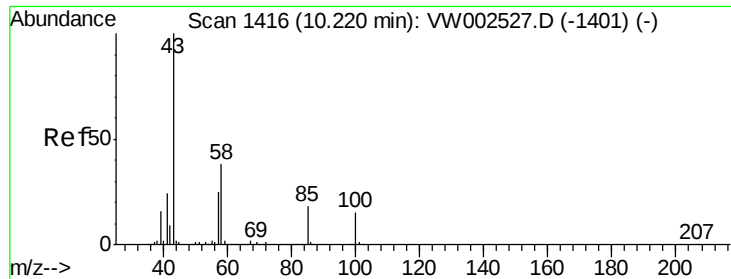
100 63.1 51.0 76.4



Abundance Ion 98.00 (97.70 to 98.70): VW

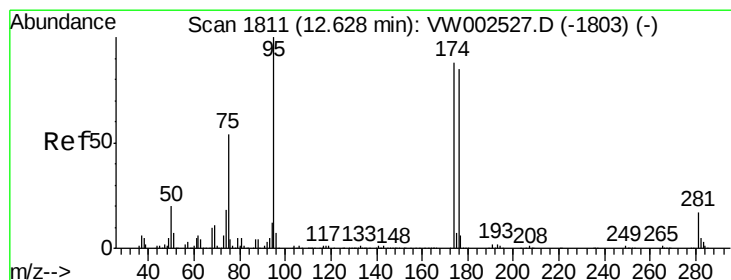
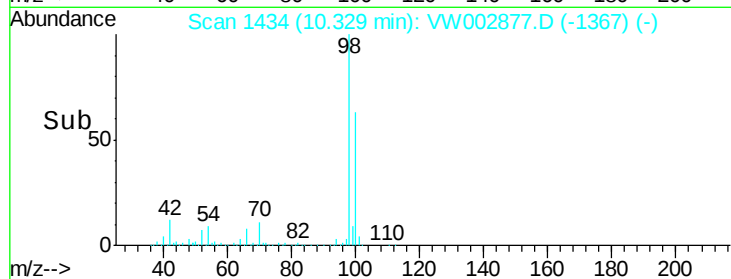
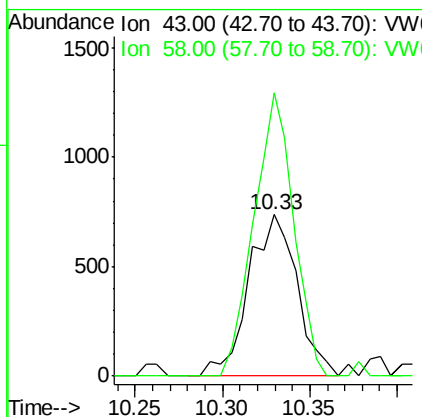
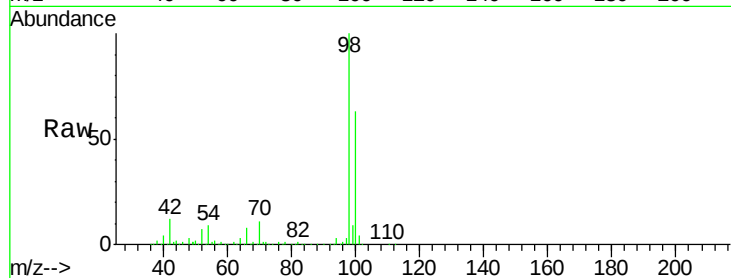
Ion 100.00 (99.70 to 100.70): VW





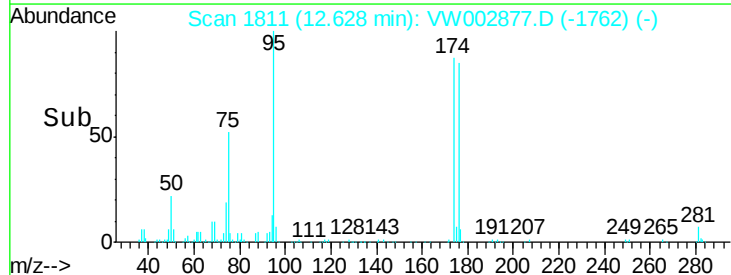
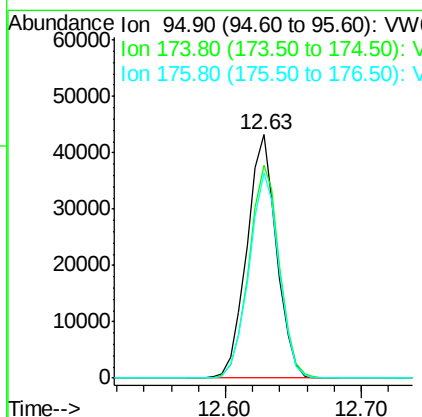
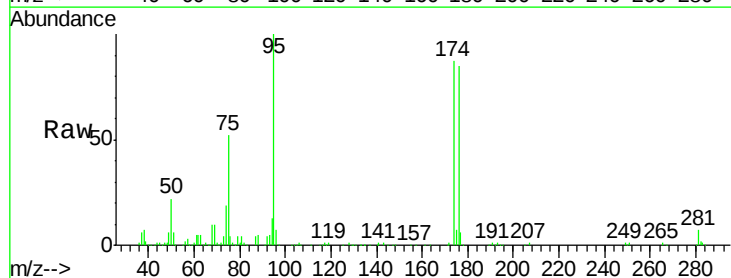
#51
 4-Methyl-2-Pentanone
 Concen: 1.70 ug/l
 RT: 10.33 min Scan# 1434
 Delta R.T. 0.11 min
 Lab File: VW002877.D
 Acq: 25 May 2018 16:59

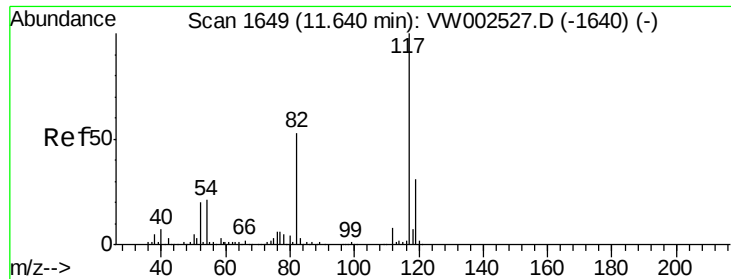
Tgt Ion: 43 Resp: 1420
 Ion Ratio Lower Upper
 43 100
 58 144.3 30.1 45.1#



#62
 4-Bromofluorobenzene
 Concen: 41.36 ug/l
 RT: 12.63 min Scan# 1811
 Delta R.T. -0.00 min
 Lab File: VW002877.D
 Acq: 25 May 2018 16:59

Tgt Ion: 95 Resp: 66016
 Ion Ratio Lower Upper
 95 100
 174 89.9 0.0 176.6
 176 85.6 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: VW002877.D

Acq: 25 May 2018 16:59

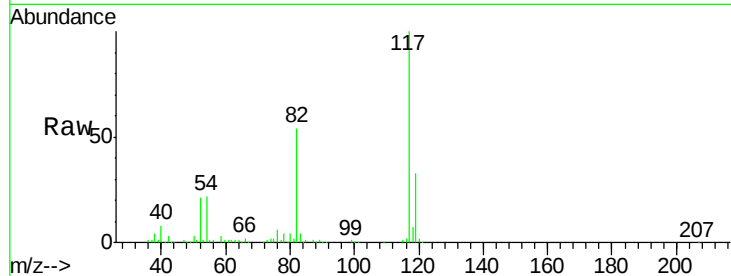
Tgt Ion:117 Resp: 145655

Ion Ratio Lower Upper

117 100

82 54.1 42.6 64.0

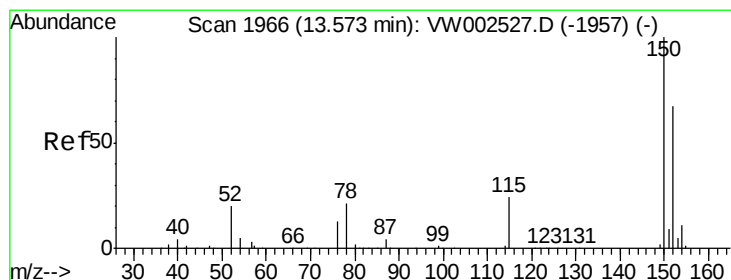
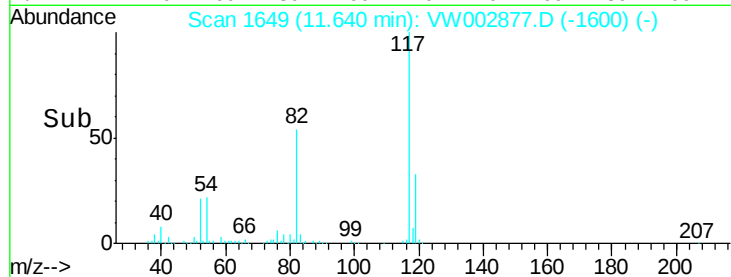
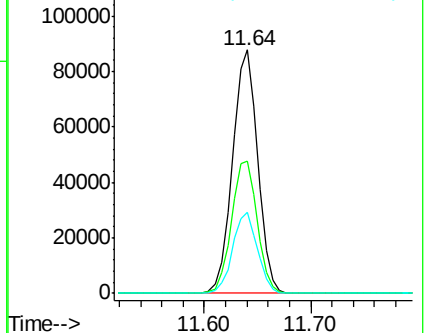
119 33.2 25.0 37.6



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: VW002877.D

Acq: 25 May 2018 16:59

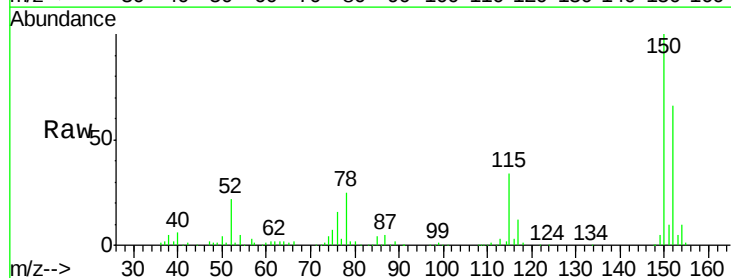
Tgt Ion:152 Resp: 50824

Ion Ratio Lower Upper

152 100

115 54.2 28.0 84.0

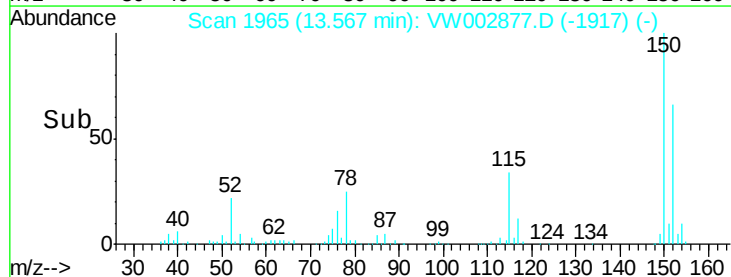
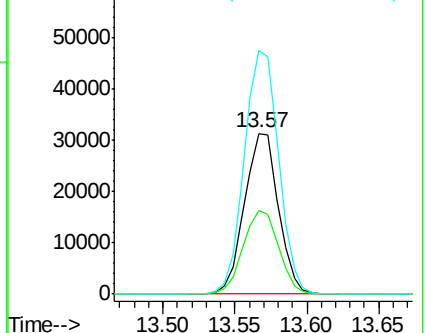
150 153.6 0.0 345.4

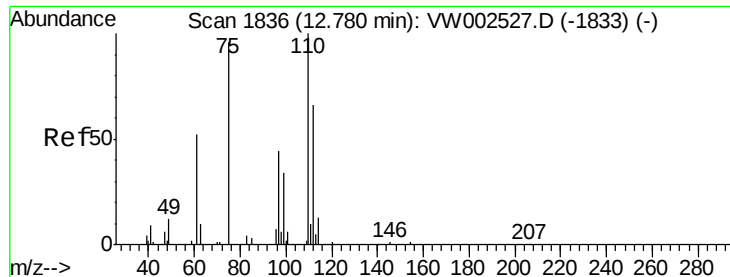


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#76

1,2,3-Trichloropropane

Concen: 71.30 ug/l

RT: 12.63 min Scan# 1811

Delta R.T. -0.15 min

Lab File: VW002877.D

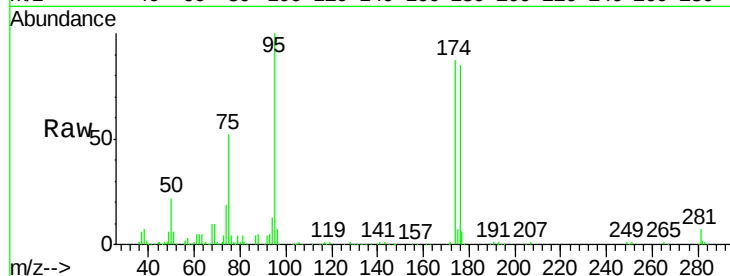
Acq: 25 May 2018 16:59

Tgt Ion: 75 Resp: 34252

Ion Ratio Lower Upper

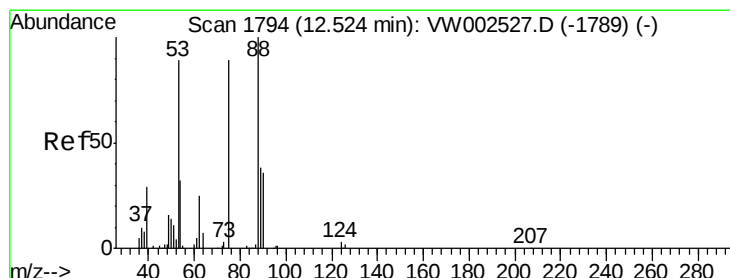
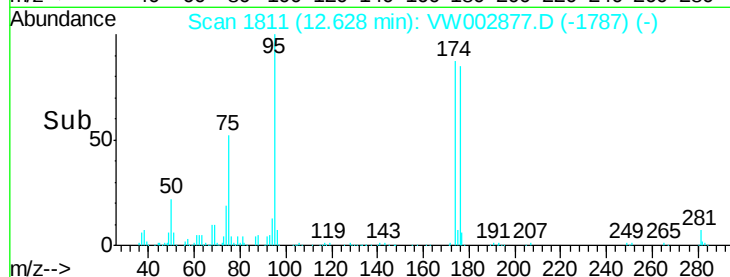
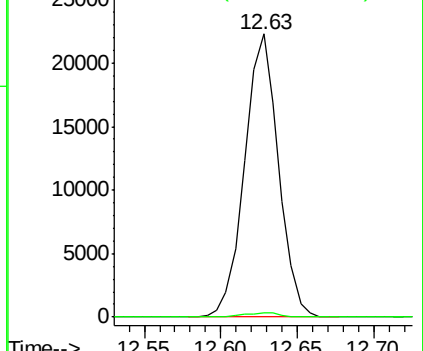
75 100

77 1.5 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: 194.39 ug/l

RT: 12.63 min Scan# 1811

Delta R.T. 0.10 min

Lab File: VW002877.D

Acq: 25 May 2018 16:59

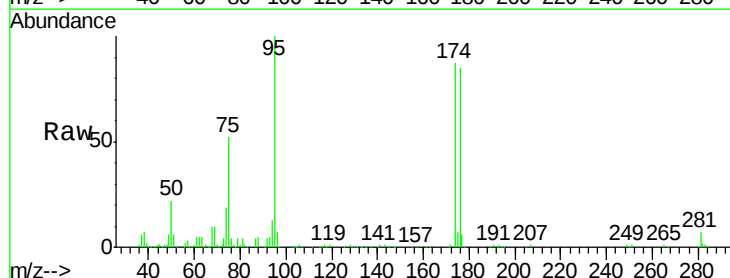
Tgt Ion: 75 Resp: 34252

Ion Ratio Lower Upper

75 100

53 0.2 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

