

Data Path : W:\HPCHEM1\MSVOA_W\DATA\VW052518\
 Data File : VW002882.D
 Acq On : 25 May 2018 19:08
 Operator : JC/SY
 Sample : J3078-04RE
 Misc : 5.00G/5ML/MSVOA_W/SOIL
 ALS Vial : 16 Sample Multiplier: 1

Quant Time: May 26 00:42:31 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	139591	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.85	114	226342	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.64	117	205062	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.57	152	93924	50.00	ug/l	0.00

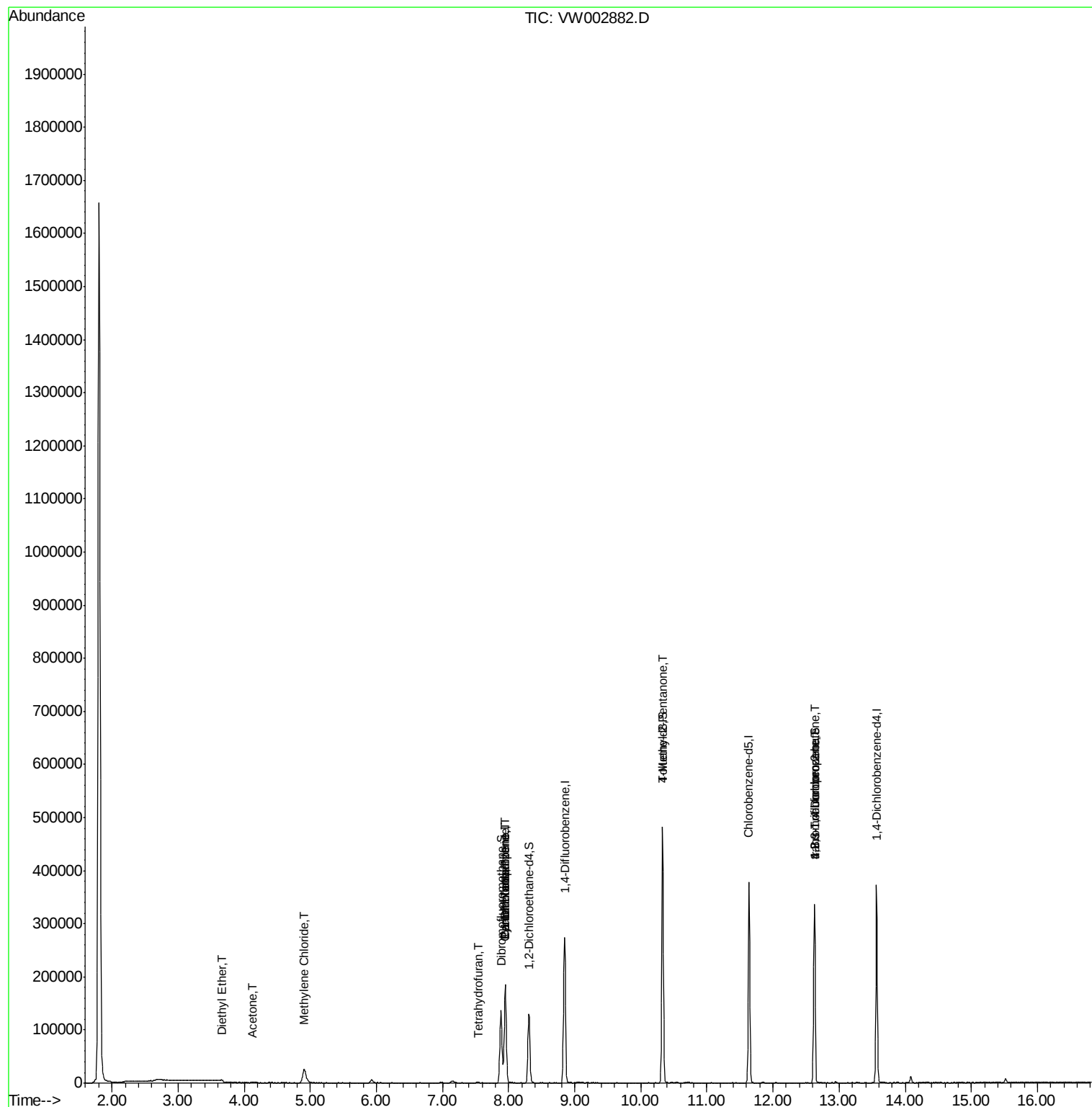
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.31	65	102725	71.21	ug/l	0.00
Spiked Amount	50.000		Recovery	=	142.42%	
35) Dibromofluoromethane	7.88	113	92684	64.55	ug/l	0.00
Spiked Amount	50.000		Recovery	=	129.10%	
50) Toluene-d8	10.33	98	307914	56.36	ug/l	0.00
Spiked Amount	50.000		Recovery	=	112.72%	
62) 4-Bromofluorobenzene	12.63	95	96688	48.40	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.80%	

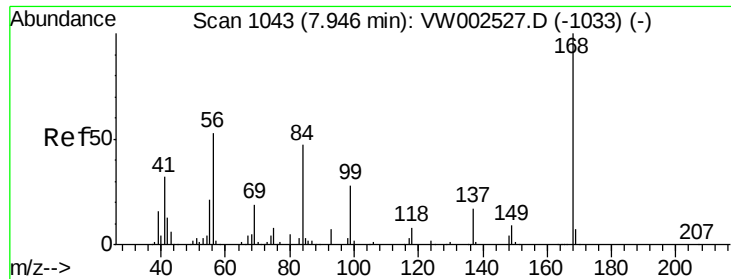
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
8) Diethyl Ether	3.67	74	1166	1.37	ug/l	79
16) Acetone	4.13	43	882	2.90	ug/l #	80
20) Methylene Chloride	4.90	84	21229	15.63	ug/l	96
29) Tetrahydrofuran	7.55	42	382	1.42	ug/l #	66
31) Cyclohexane	7.94	56	3357	1.64	ug/l #	39
36) 1,1-Dichloropropene	7.95	75	10909	5.46	ug/l #	49
38) Carbon Tetrachloride	7.95	117	13481	6.89	ug/l #	17
51) 4-Methyl-2-Pentanone	10.33	43	1663	1.59	ug/l #	1
76) 1,2,3-Trichloropropane	12.63	75	52350	58.96	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.63	75	52350	160.76	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: VW002882.D

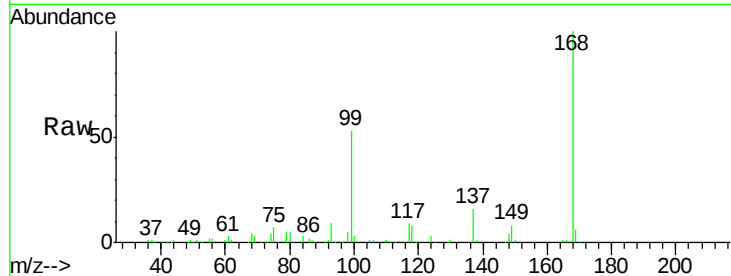
Acq: 25 May 2018 19:08

Tgt Ion: 168 Resp: 139591

Ion Ratio Lower Upper

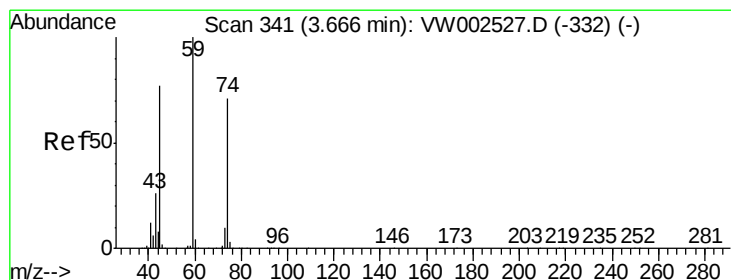
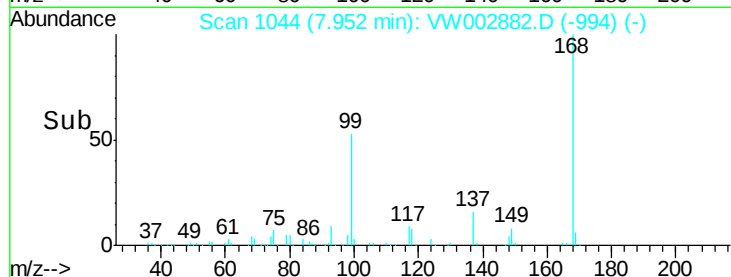
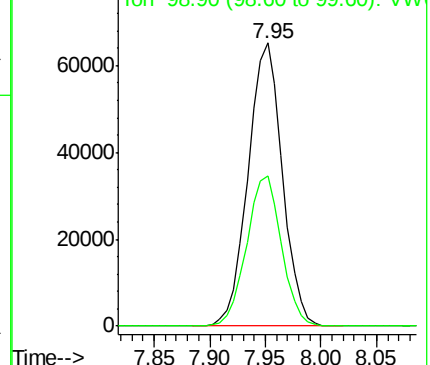
168 100

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: 1.37 ug/l

RT: 3.67 min Scan# 342

Delta R.T. 0.01 min

Lab File: VW002882.D

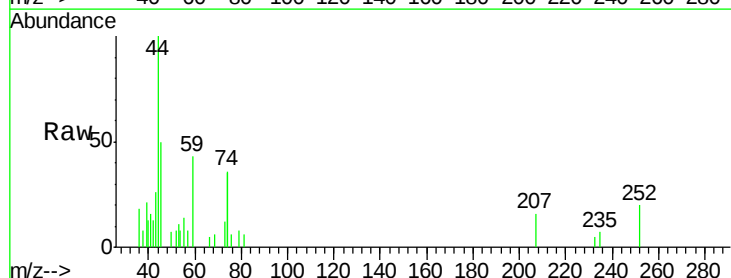
Acq: 25 May 2018 19:08

Tgt Ion: 74 Resp: 1166

Ion Ratio Lower Upper

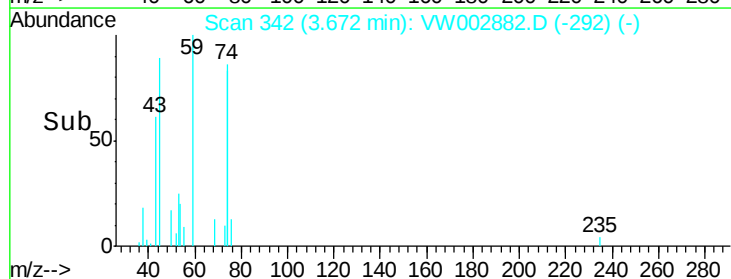
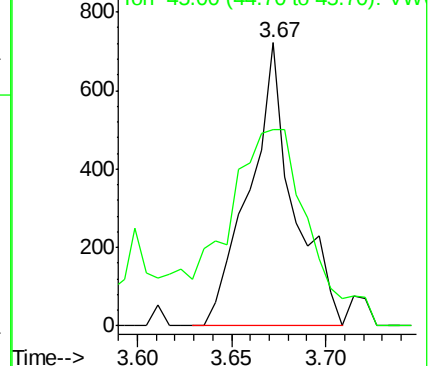
74 100

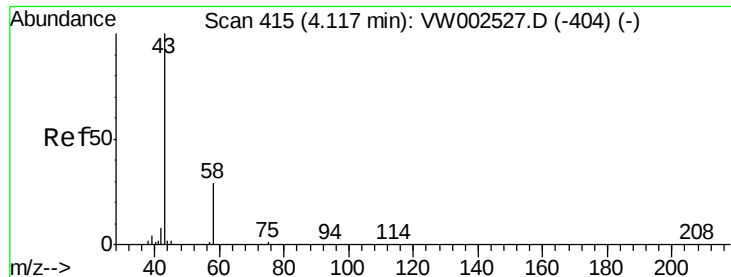
45 126.2 52.3 156.8



Abundance Ion 74.00 (73.70 to 74.70): VW

Ion 45.00 (44.70 to 45.70): VW





#16

Acetone

Concen: 2.90 ug/l

RT: 4.13 min Scan# 417

Delta R.T. 0.01 min

Lab File: VW002882.D

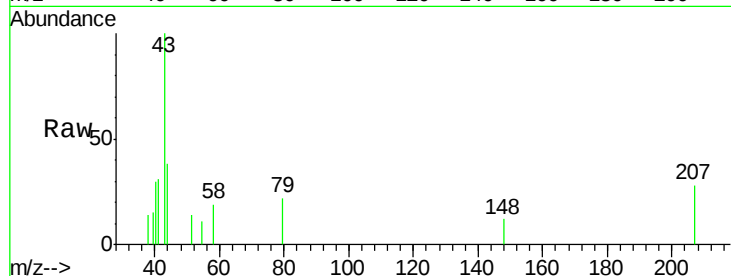
Acq: 25 May 2018 19:08

Tgt Ion: 43 Resp: 882

Ion Ratio Lower Upper

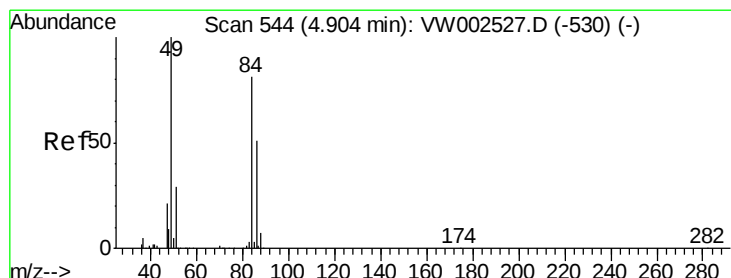
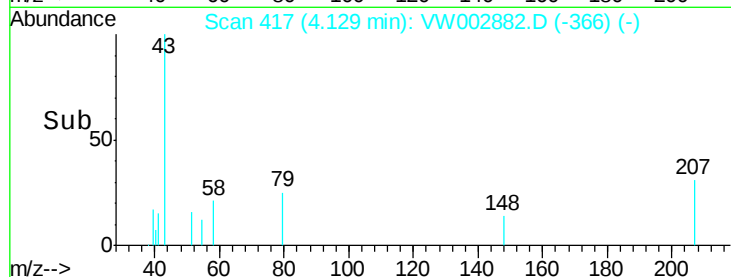
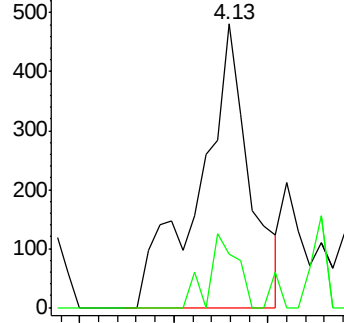
43 100

58 18.7 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: 15.63 ug/l

RT: 4.90 min Scan# 544

Delta R.T. 0.00 min

Lab File: VW002882.D

Acq: 25 May 2018 19:08

Tgt Ion: 84 Resp: 21229

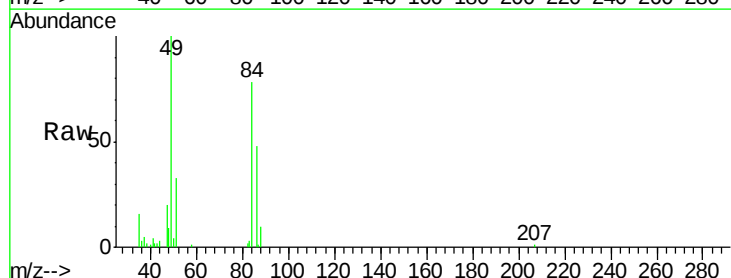
Ion Ratio Lower Upper

84 100

49 127.7 99.4 149.0

51 41.9 29.0 43.6

86 61.7 50.3 75.5

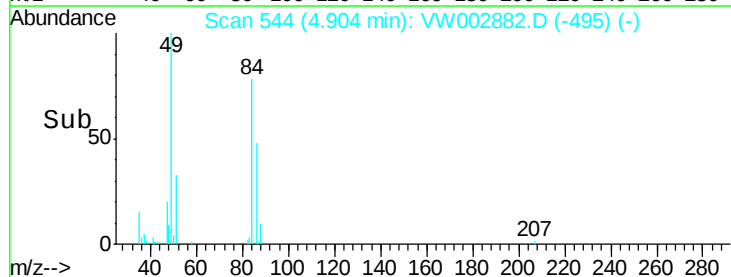
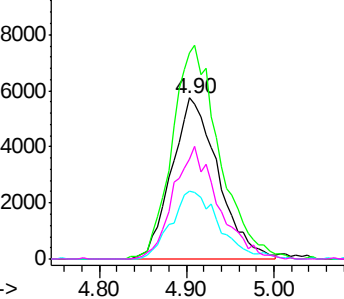


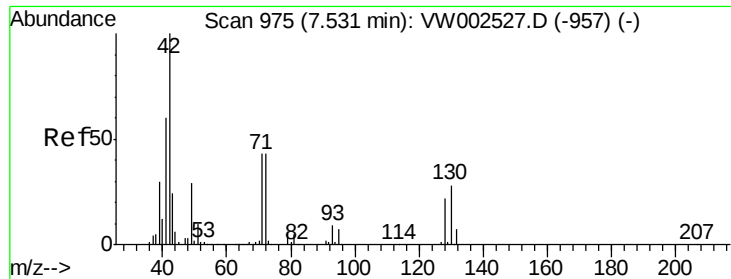
Abundance Ion 83.90 (83.60 to 84.60): VW

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





#29

Tetrahydrofuran

Concen: 1.42 ug/l

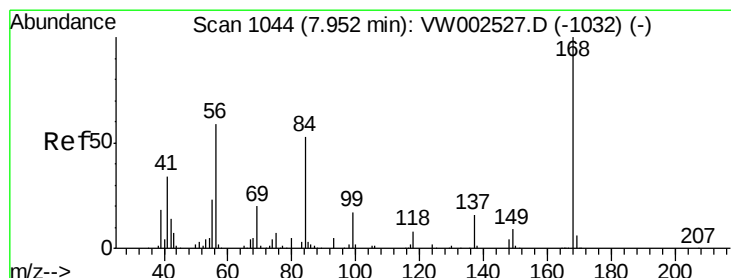
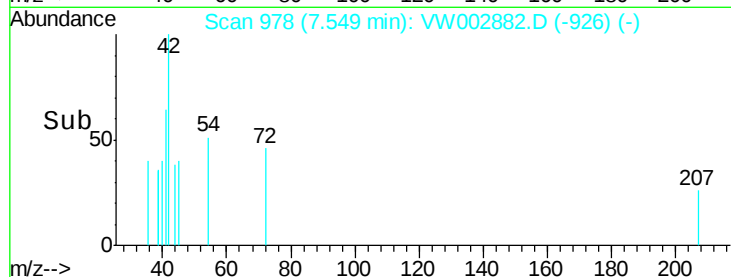
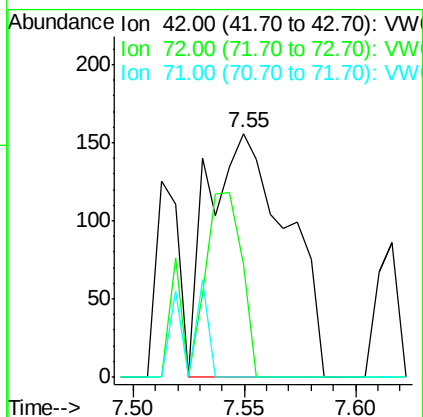
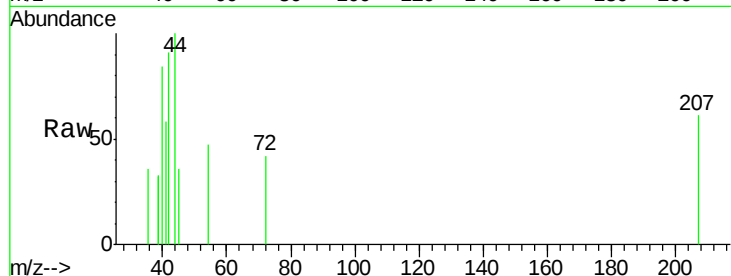
RT: 7.55 min Scan# 978

Delta R.T. 0.02 min

Lab File: VW002882.D

Acq: 25 May 2018 19:08

Tgt Ion:	42	Resp:	382
Ion	Ratio	Lower	Upper
42	100		
72	41.6	35.0	52.4
71	0.0	33.0	49.6#



#31

Cyclohexane

Concen: 1.64 ug/l

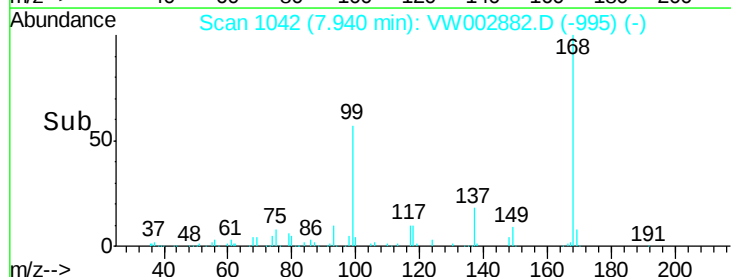
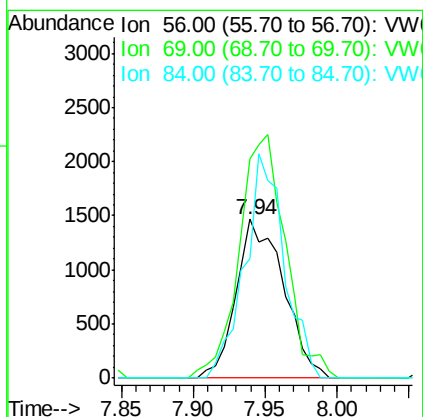
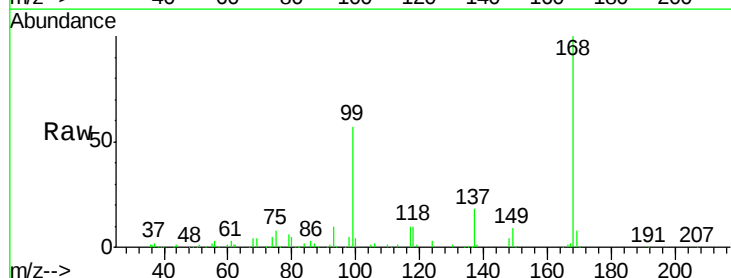
RT: 7.94 min Scan# 1042

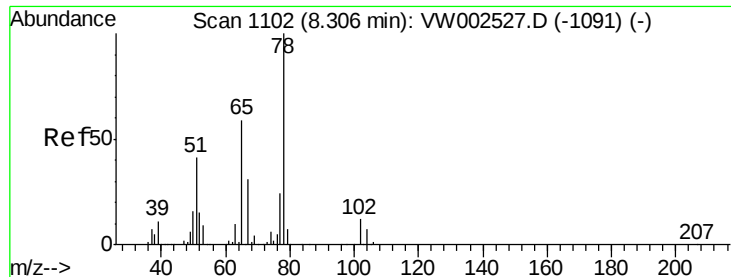
Delta R.T. -0.01 min

Lab File: VW002882.D

Acq: 25 May 2018 19:08

Tgt Ion:	56	Resp:	3357
Ion	Ratio	Lower	Upper
56	100		
69	138.4	27.0	40.4#
84	75.5	72.2	108.2





#33

1,2-Dichloroethane-d4

Concen: 71.21 ug/l

RT: 8.31 min Scan# 1102

Delta R.T. -0.00 min

Lab File: VW002882.D

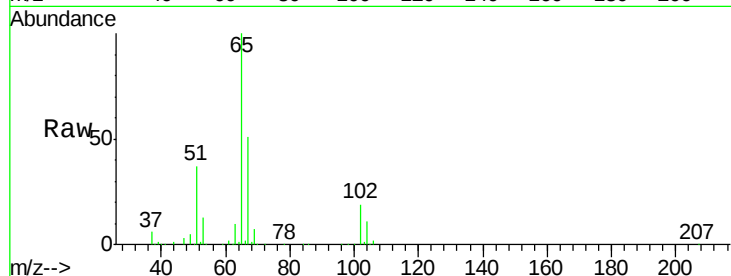
Acq: 25 May 2018 19:08

Tgt Ion: 65 Resp: 102725

Ion Ratio Lower Upper

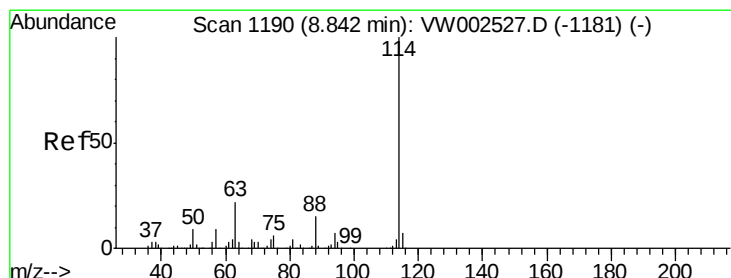
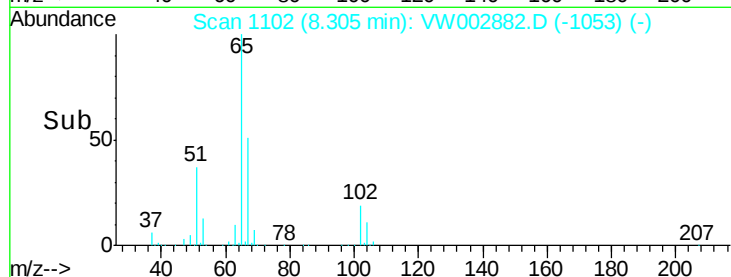
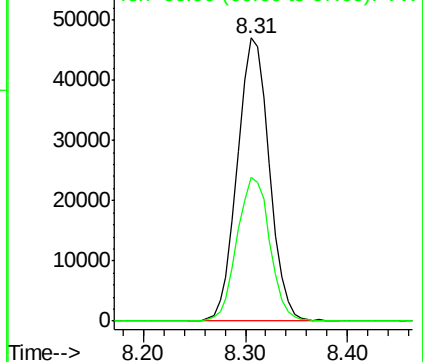
65 100

67 51.8 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: VW002882.D

Acq: 25 May 2018 19:08

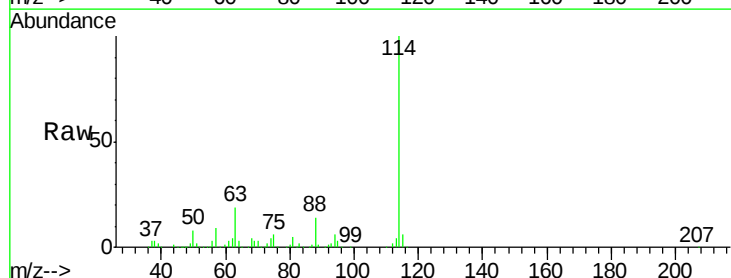
Tgt Ion: 114 Resp: 226342

Ion Ratio Lower Upper

114 100

63 19.4 0.0 43.2

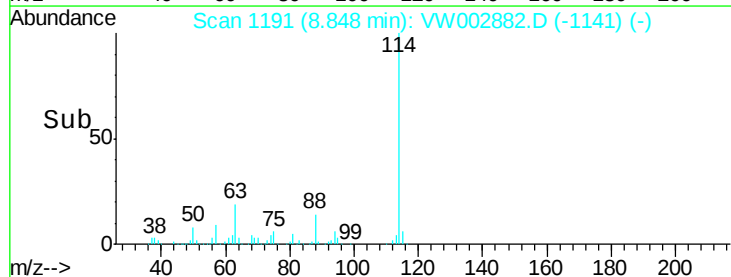
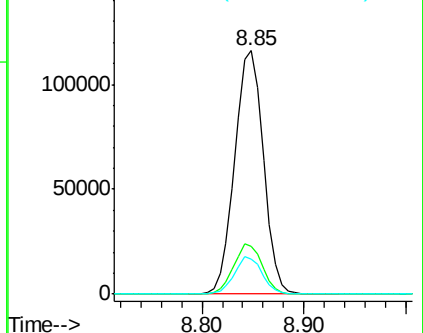
88 14.2 0.0 29.2

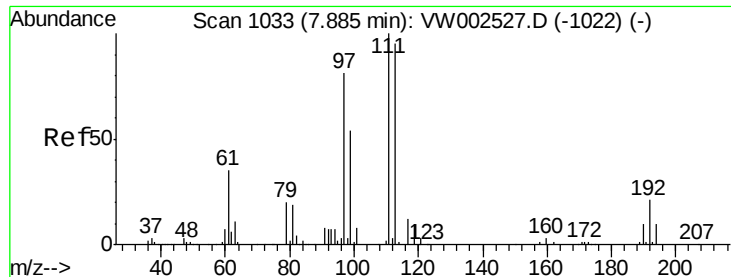


Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VW

Ion 87.90 (87.60 to 88.60): VW





#35

Dibromofluoromethane

Concen: 64.55 ug/l

RT: 7.88 min Scan# 1033

Delta R.T. -0.00 min

Lab File: VW002882.D

Acq: 25 May 2018 19:08

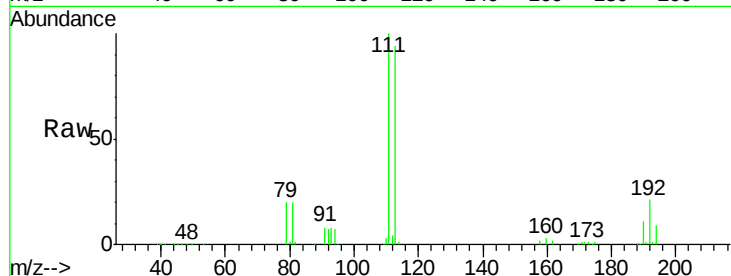
Tgt Ion: 113 Resp: 92684

Ion Ratio Lower Upper

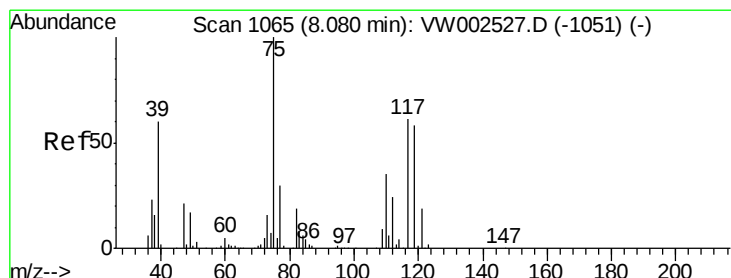
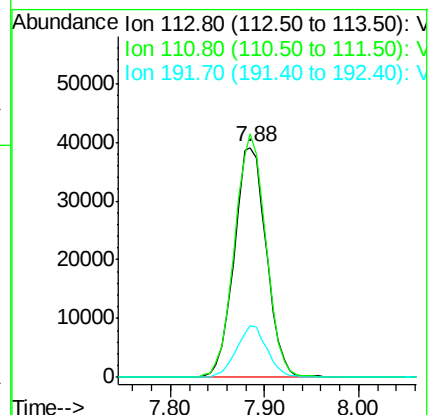
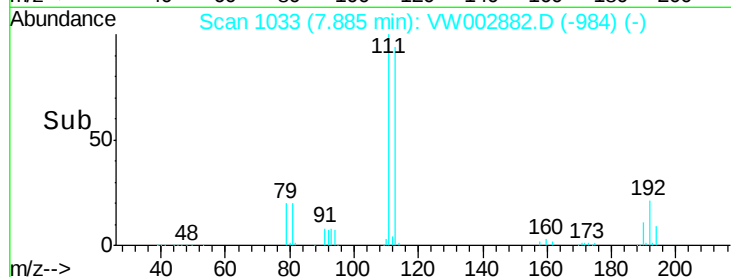
113 100

111 103.2 81.8 122.8

192 21.5 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: 5.46 ug/l

RT: 7.95 min Scan# 1043

Delta R.T. -0.13 min

Lab File: VW002882.D

Acq: 25 May 2018 19:08

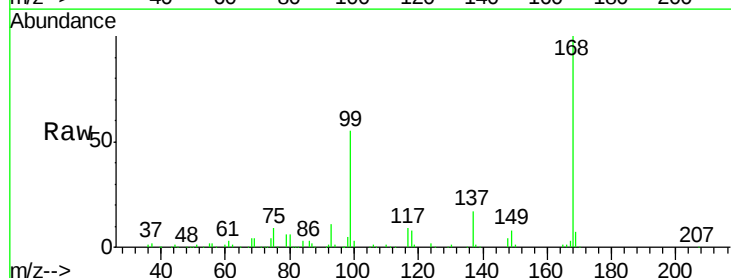
Tgt Ion: 75 Resp: 10909

Ion Ratio Lower Upper

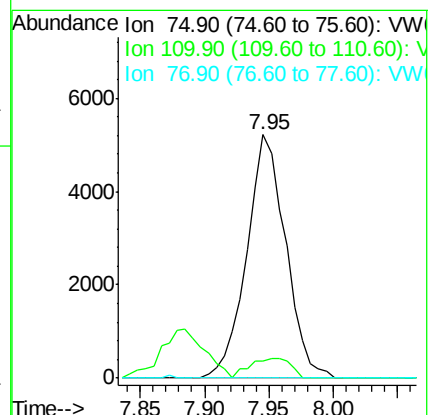
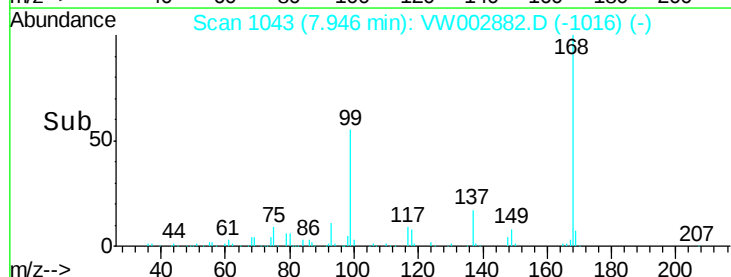
75 100

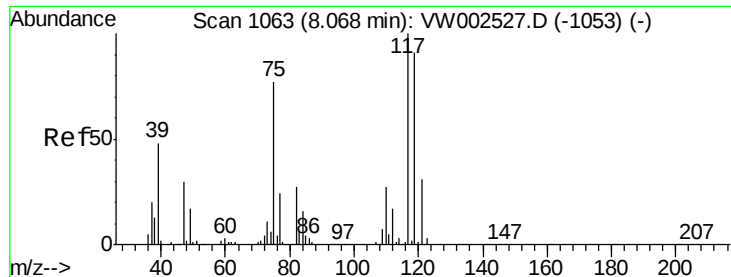
110 8.5 17.8 53.5#

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: 6.89 ug/l

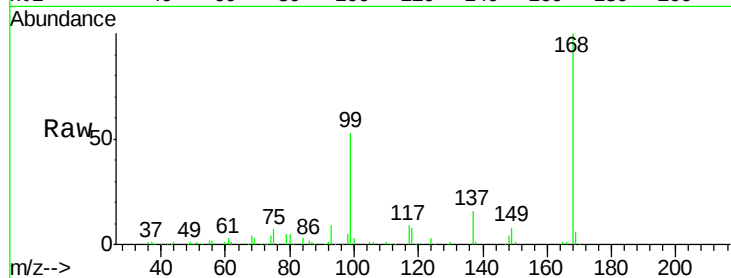
RT: 7.95 min Scan# 1044

Delta R.T. -0.12 min

Lab File: VW002882.D

Acq: 25 May 2018 19:08

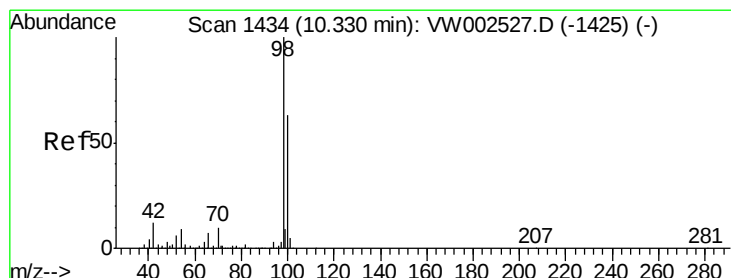
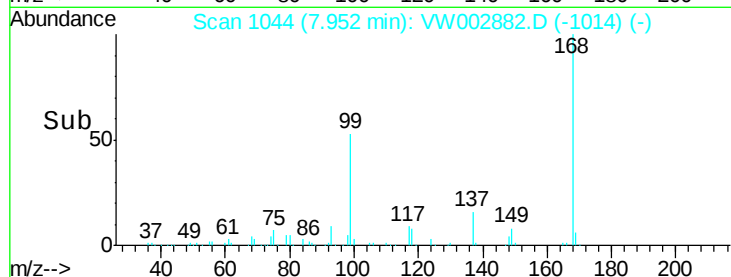
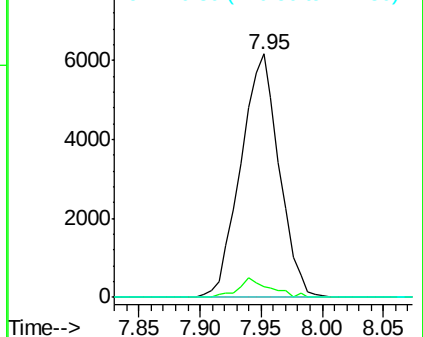
Tgt Ion	Ratio	Lower	Upper
117	100		
119	4.4	73.1	109.7#
121	0.0	24.4	36.6#



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: 56.36 ug/l

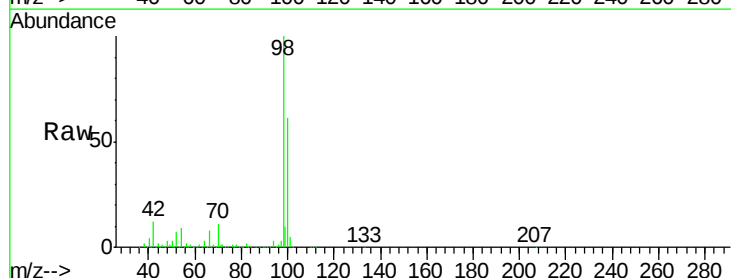
RT: 10.33 min Scan# 1434

Delta R.T. -0.00 min

Lab File: VW002882.D

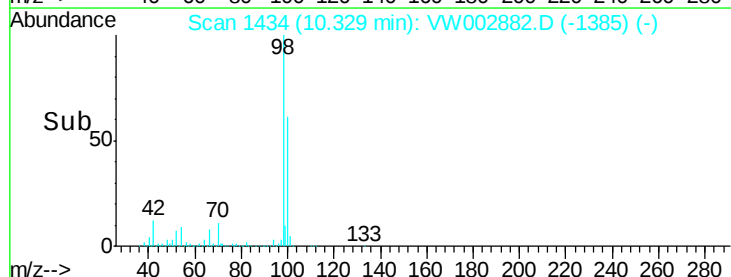
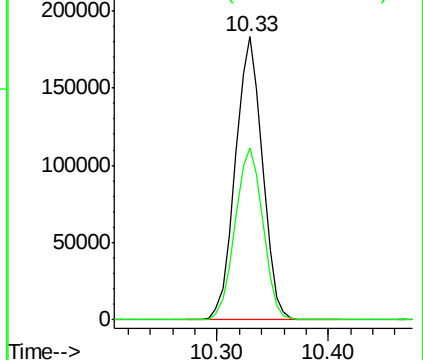
Acq: 25 May 2018 19:08

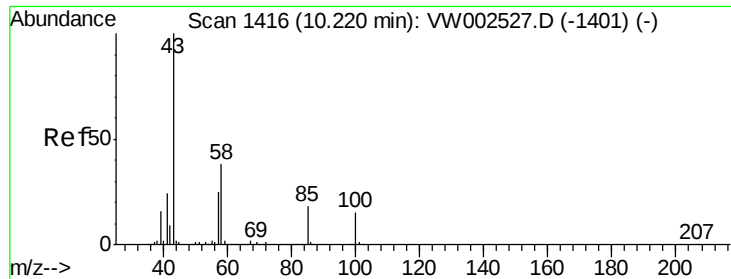
Tgt Ion	Ratio	Lower	Upper
98	100		
100	62.4	51.0	76.4



Abundance Ion 98.00 (97.70 to 98.70): VW

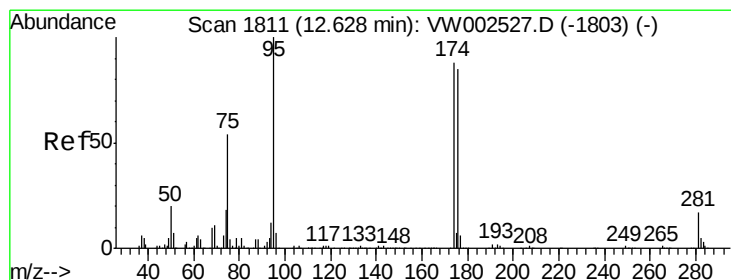
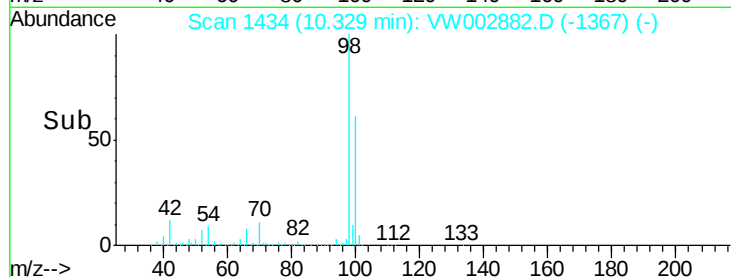
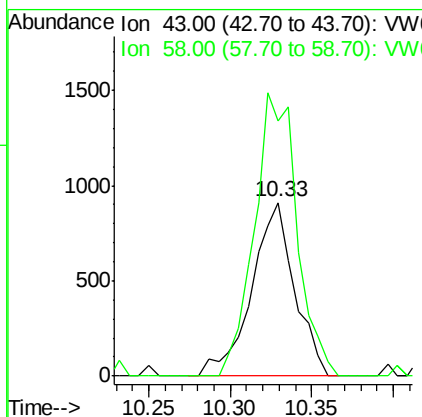
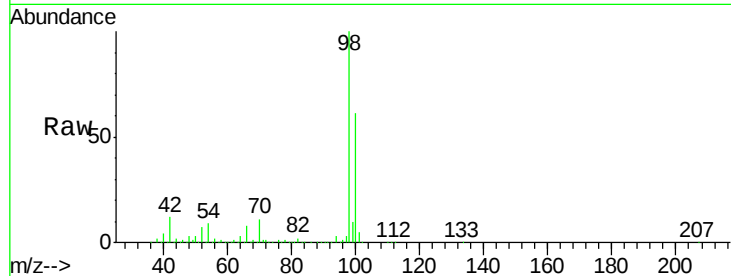
Ion 100.00 (99.70 to 100.70): VW





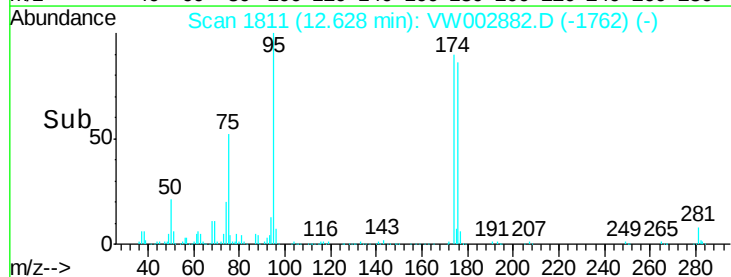
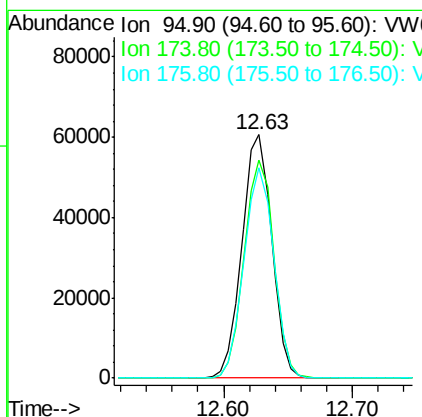
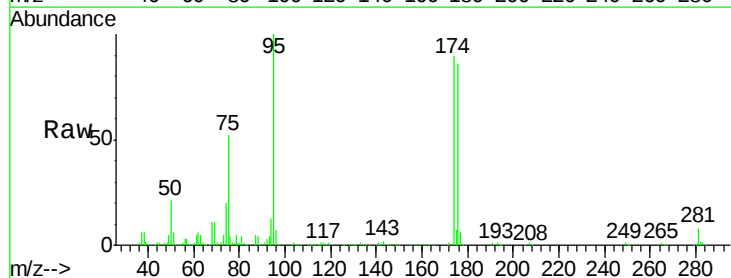
#51
 4-Methyl-2-Pentanone
 Concen: 1.59 ug/l
 RT: 10.33 min Scan# 1434
 Delta R.T. 0.11 min
 Lab File: VW002882.D
 Acq: 25 May 2018 19:08

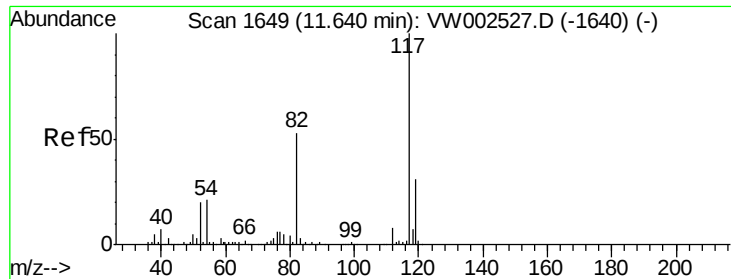
Tgt Ion: 43 Resp: 1663
 Ion Ratio Lower Upper
 43 100
 58 161.5 30.1 45.1#



#62
 4-Bromofluorobenzene
 Concen: 48.40 ug/l
 RT: 12.63 min Scan# 1811
 Delta R.T. -0.00 min
 Lab File: VW002882.D
 Acq: 25 May 2018 19:08

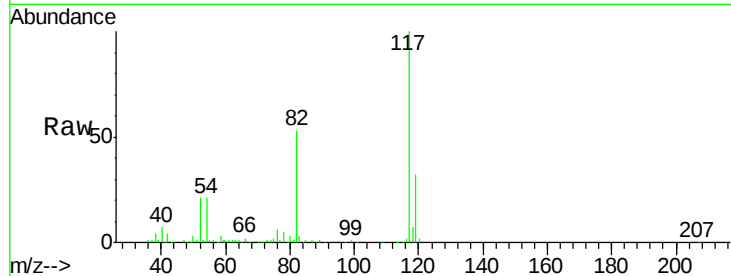
Tgt Ion: 95 Resp: 96688
 Ion Ratio Lower Upper
 95 100
 174 89.9 0.0 176.6
 176 86.4 0.0 172.2



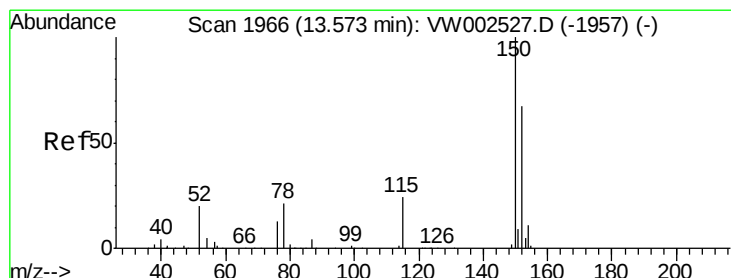
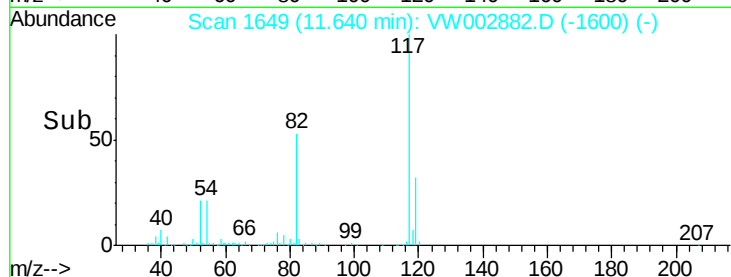
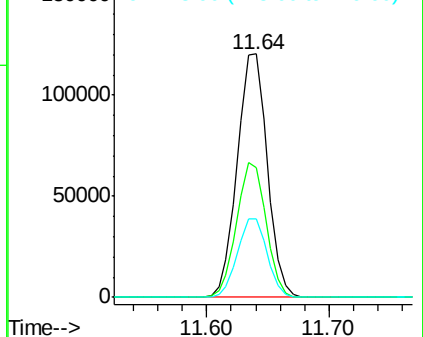


#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 11.64 min Scan# 1649
Delta R.T. -0.00 min
Lab File: VW002882.D
Acq: 25 May 2018 19:08

Tgt Ion	Ratio	Lower	Upper
117	100		
82	53.0	42.6	64.0
119	32.3	25.0	37.6

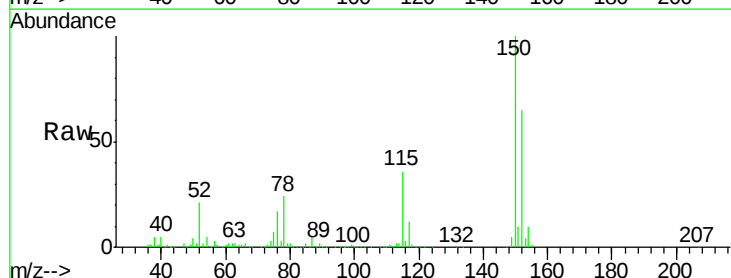


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): V
Ion 118.90 (118.60 to 119.60): V

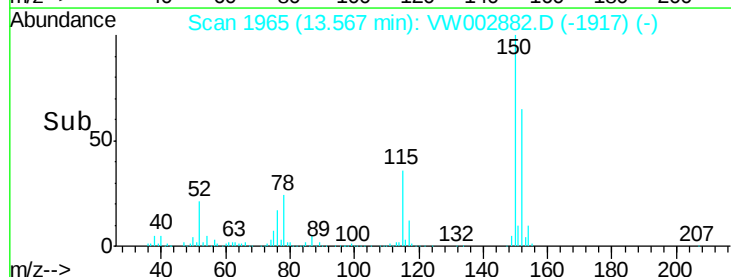
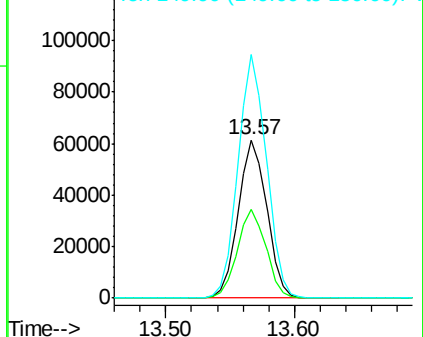


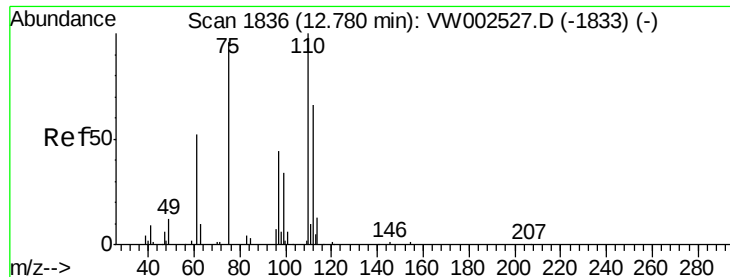
#72
1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 13.57 min Scan# 1965
Delta R.T. -0.01 min
Lab File: VW002882.D
Acq: 25 May 2018 19:08

Tgt Ion	Ratio	Lower	Upper
152	100		
115	56.2	28.0	84.0
150	154.0	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: 58.96 ug/l

RT: 12.63 min Scan# 1811

Delta R.T. -0.15 min

Lab File: VW002882.D

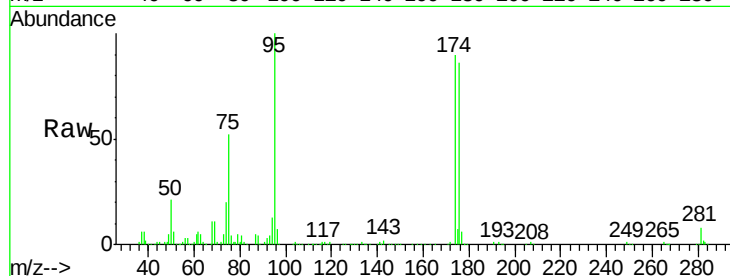
Acq: 25 May 2018 19:08

Tgt Ion: 75 Resp: 52350

Ion Ratio Lower Upper

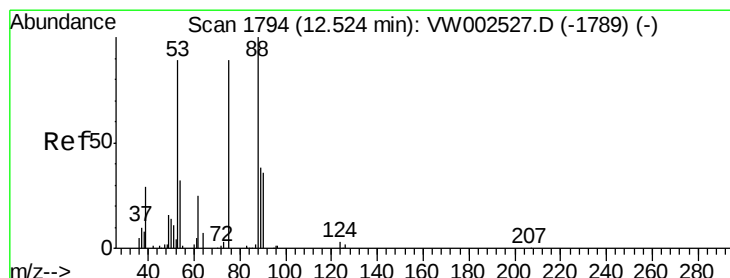
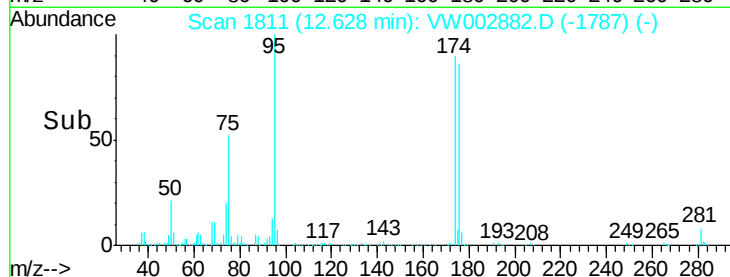
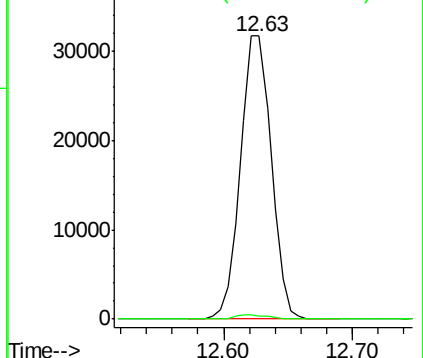
75 100

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: 160.76 ug/l

RT: 12.63 min Scan# 1811

Delta R.T. 0.10 min

Lab File: VW002882.D

Acq: 25 May 2018 19:08

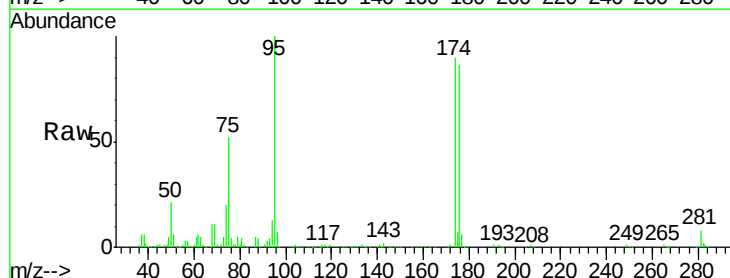
Tgt Ion: 75 Resp: 52350

Ion Ratio Lower Upper

75 100

53 0.3 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

