

Data Path : W:\HPCHEM1\MSVOA_W\DATA\VW052518\
 Data File : VW002888.D
 Acq On : 25 May 2018 21:43
 Operator : JC/SY
 Sample : J3023-03RE
 Misc : 4.56G/5ML/MSVOA_W/SOIL
 ALS Vial : 22 Sample Multiplier: 1

Quant Time: May 26 00:44:35 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	117827	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.85	114	184893	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	170995	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.57	152	78366	50.00	ug/l	0.00

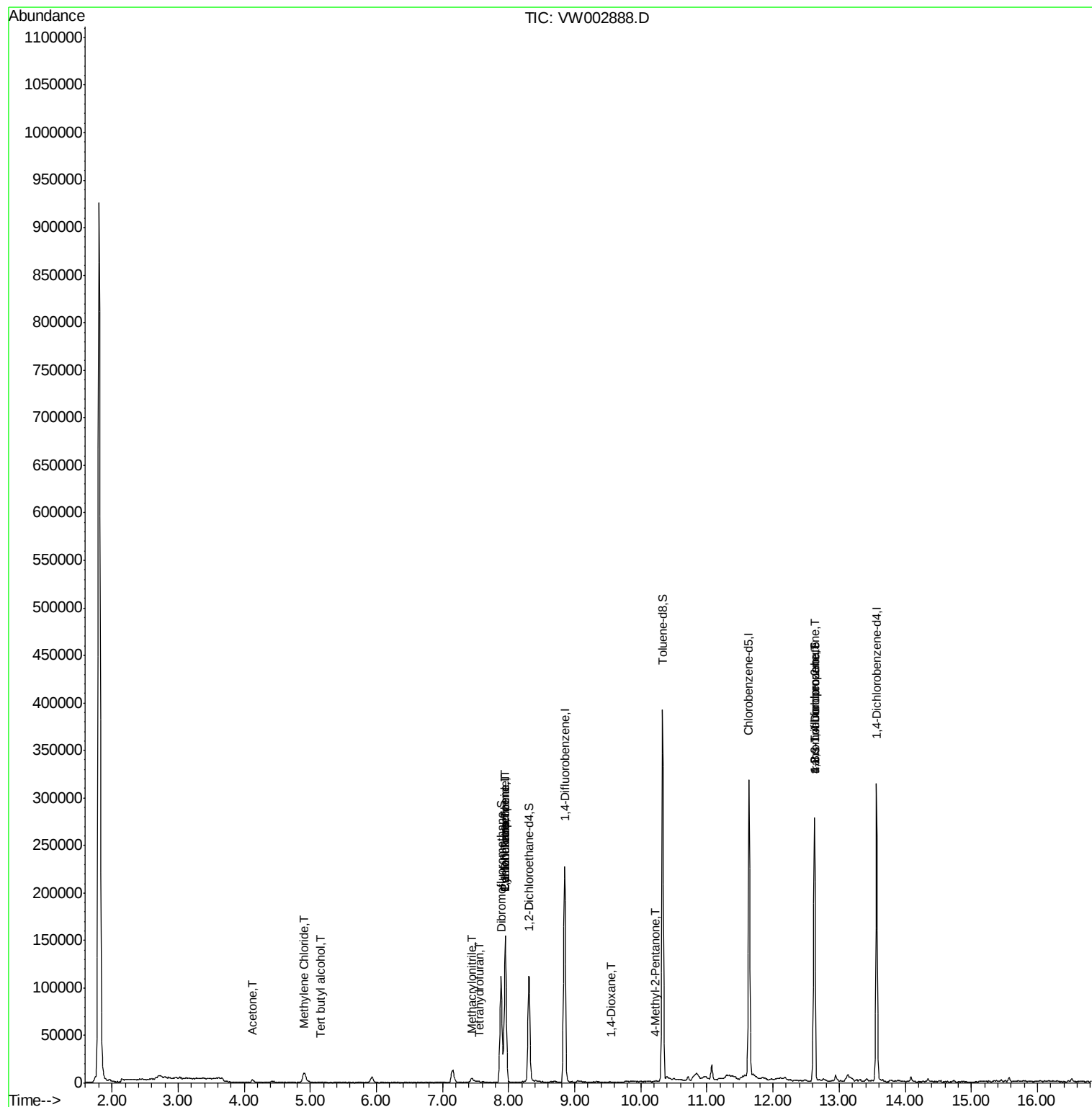
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.31	65	88255	72.48	ug/l	0.00
Spiked Amount	50.000		Recovery	=	144.96%	
35) Dibromofluoromethane	7.88	113	76755	65.44	ug/l	0.00
Spiked Amount	50.000		Recovery	=	130.88%	
50) Toluene-d8	10.33	98	250818	56.21	ug/l	0.00
Spiked Amount	50.000		Recovery	=	112.42%	
62) 4-Bromofluorobenzene	12.63	95	82251	50.40	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.80%	

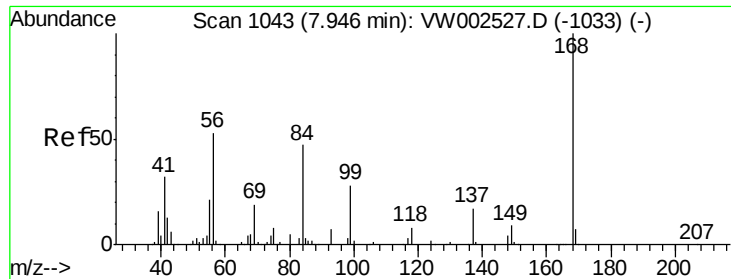
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
11) Tert butyl alcohol	5.16	59	132	1.41	ug/l #	72
16) Acetone	4.12	43	3665	14.26	ug/l	98
20) Methylene Chloride	4.90	84	7988	5.36	ug/l	90
29) Tetrahydrofuran	7.56	42	653	2.88	ug/l #	52
31) Cyclohexane	7.95	56	3010	1.74	ug/l #	9
36) 1,1-Dichloropropene	7.95	75	9208	5.64	ug/l #	48
38) Carbon Tetrachloride	7.95	117	11683	7.31	ug/l #	17
41) Methacrylonitrile	7.45	41	2565	5.66	ug/l #	49
49) 1,4-Dioxane	9.55	88	34	3.00	ug/l #	21
51) 4-Methyl-2-Pentanone	10.22	43	880	1.03	ug/l #	62
76) 1,2,3-Trichloropropane	12.62	75	43736	59.04	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.62	75	43736	160.98	ug/l #	9

(#) = 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: VW002888.D

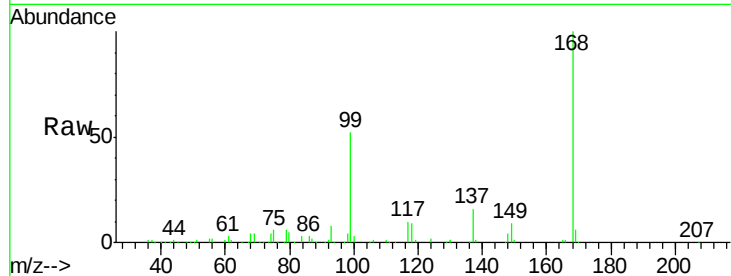
Acq: 25 May 2018 21:43

Tgt Ion: 168 Resp: 117827

Ion Ratio Lower Upper

168 100

99 51.6 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

50000

40000

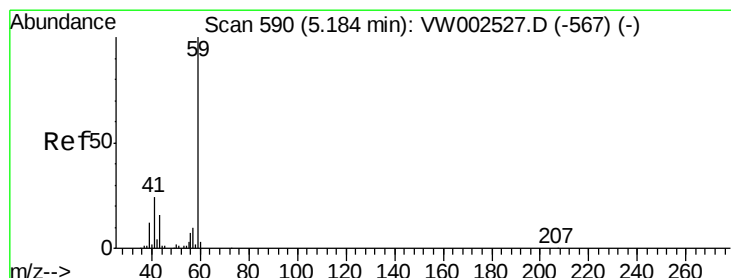
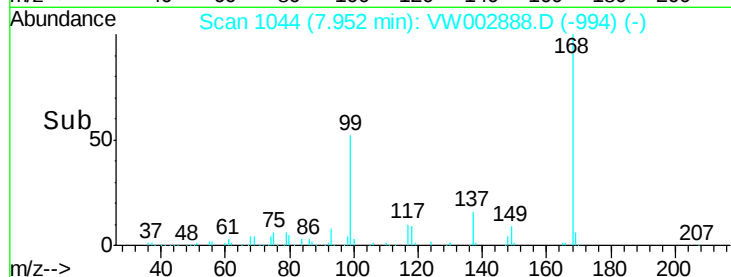
30000

20000

10000

0

Time-->



#11

Tert butyl alcohol

Concen: 1.41 ug/l

RT: 5.16 min Scan# 586

Delta R.T. -0.02 min

Lab File: VW002888.D

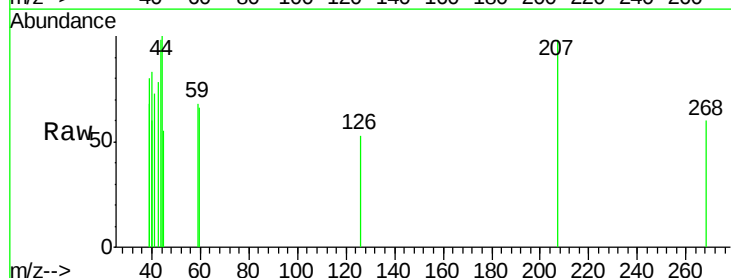
Acq: 25 May 2018 21:43

Tgt Ion: 59 Resp: 132

Ion Ratio Lower Upper

59 100

57 0.0 8.2 12.4#



Abundance Ion 59.00 (58.70 to 59.70): VW

Ion 57.00 (56.70 to 57.70): VW

5.16

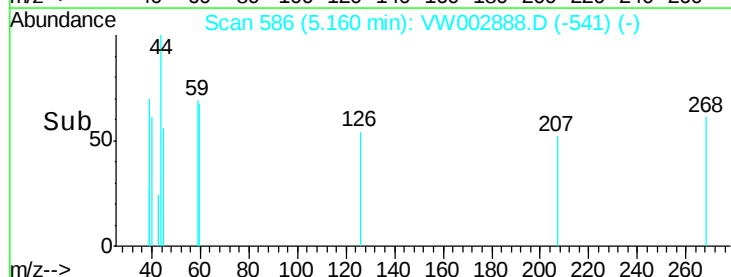
150

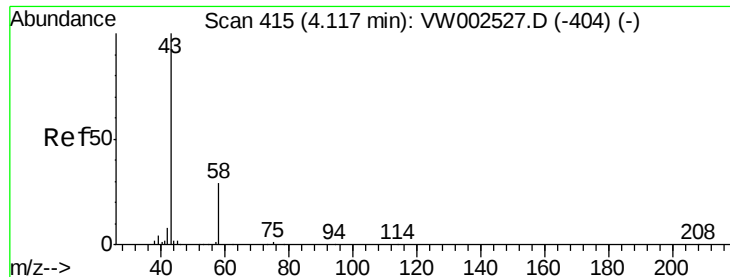
100

50

0

Time-->





#16

Acetone

Concen: 14.26 ug/l

RT: 4.12 min Scan# 416

Delta R.T. 0.01 min

Lab File: VW002888.D

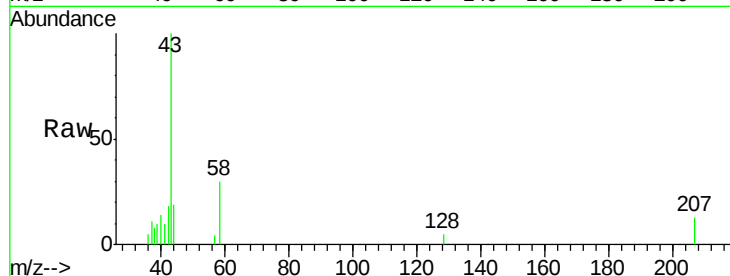
Acq: 25 May 2018 21:43

Tgt Ion: 43 Resp: 3665

Ion Ratio Lower Upper

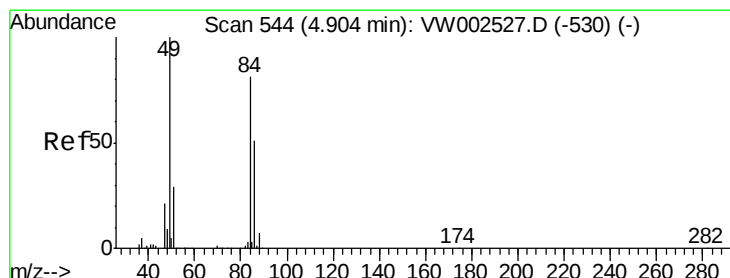
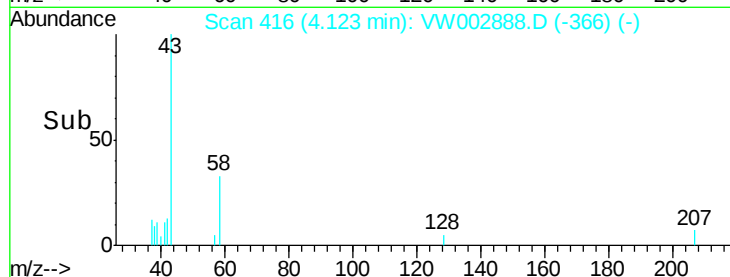
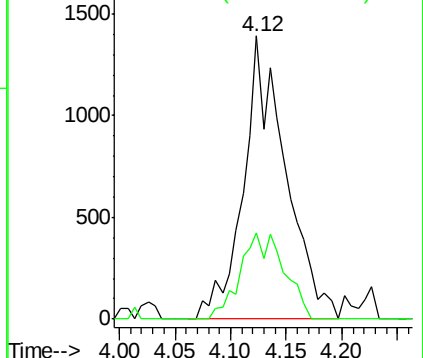
43 100

58 30.4 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: 5.36 ug/l

RT: 4.90 min Scan# 544

Delta R.T. 0.00 min

Lab File: VW002888.D

Acq: 25 May 2018 21:43

Tgt Ion: 84 Resp: 7988

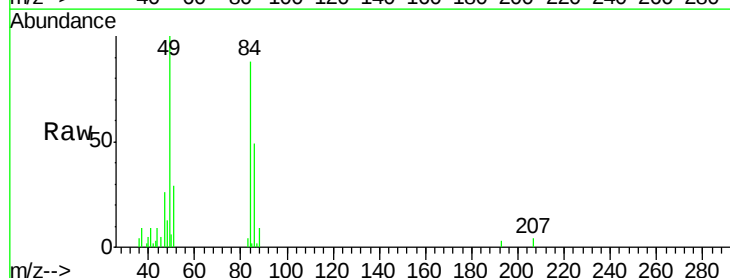
Ion Ratio Lower Upper

84 100

49 110.8 99.4 149.0

51 33.5 29.0 43.6

86 55.8 50.3 75.5

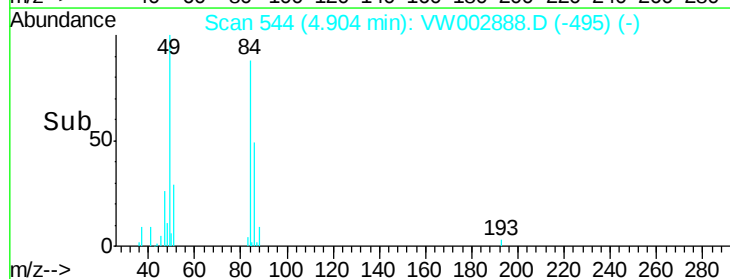
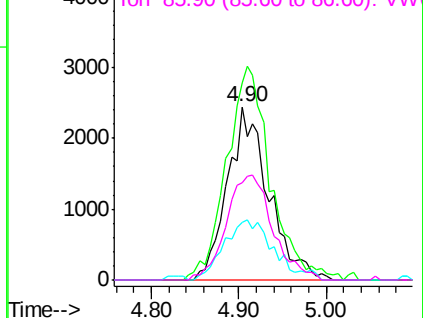


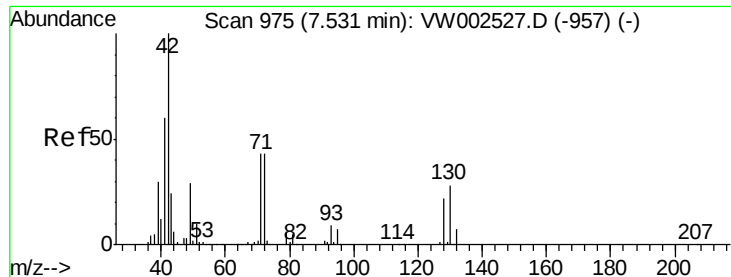
Abundance Ion 83.90 (83.60 to 84.60): VW

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: 2.88 ug/l

RT: 7.56 min Scan# 979

Delta R.T. 0.02 min

Lab File: VW002888.D

Acq: 25 May 2018 21:43

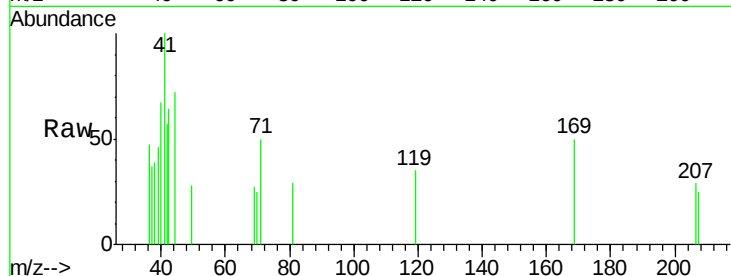
Tgt Ion: 42 Resp: 653

Ion Ratio Lower Upper

42 100

72 23.4 35.0 52.4#

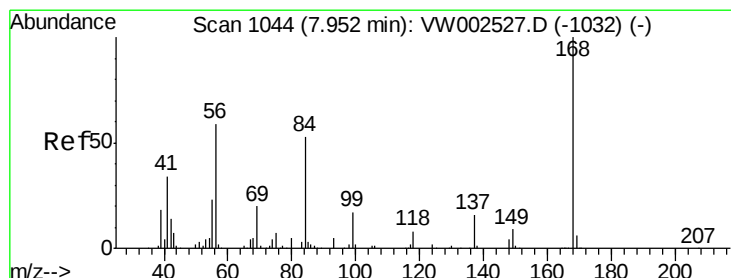
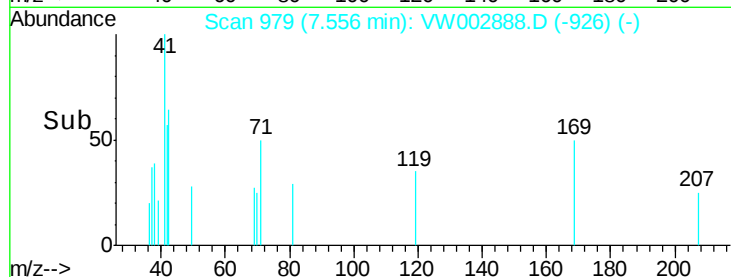
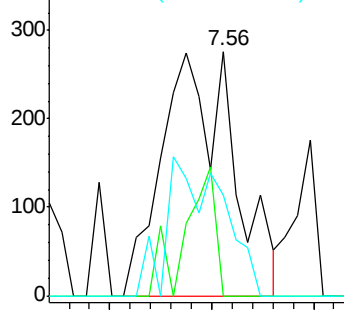
71 0.0 33.0 49.6#



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: 1.74 ug/l

RT: 7.95 min Scan# 1043

Delta R.T. -0.01 min

Lab File: VW002888.D

Acq: 25 May 2018 21:43

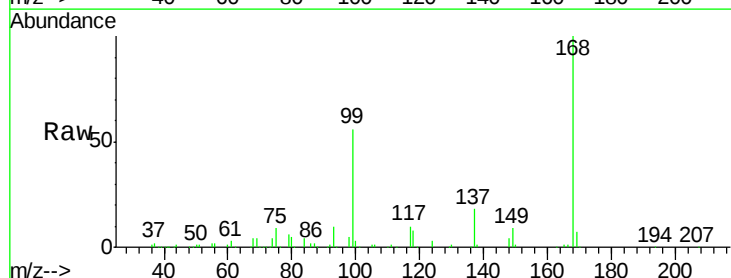
Tgt Ion: 56 Resp: 3010

Ion Ratio Lower Upper

56 100

69 141.4 27.0 40.4#

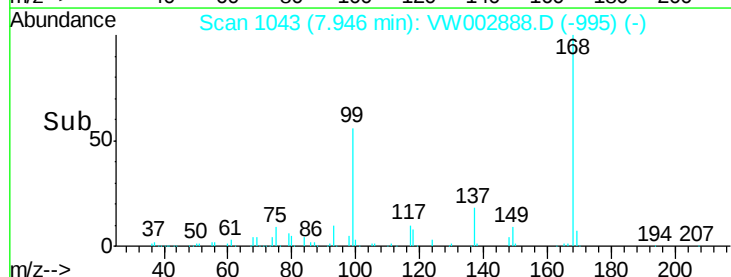
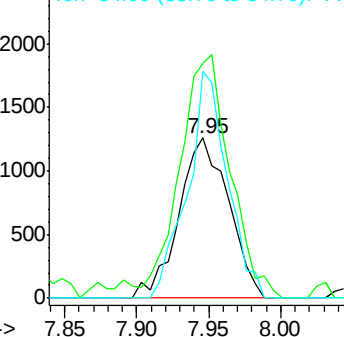
84 142.1 72.2 108.2#

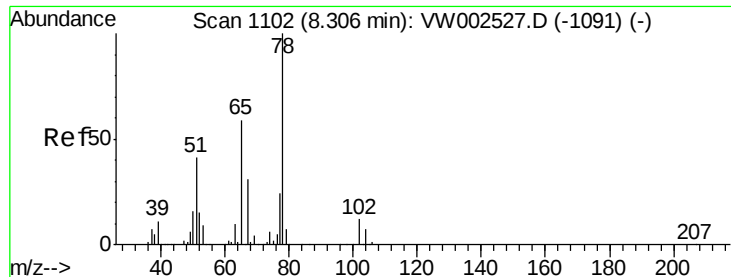


Abundance Ion 56.00 (55.70 to 56.70): VW

Ion 69.00 (68.70 to 69.70): VW

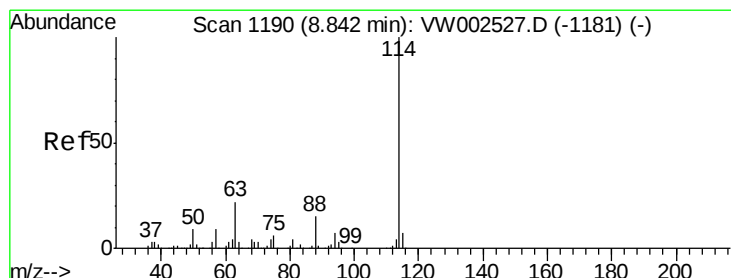
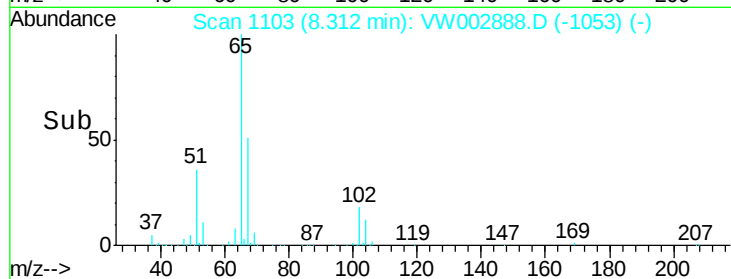
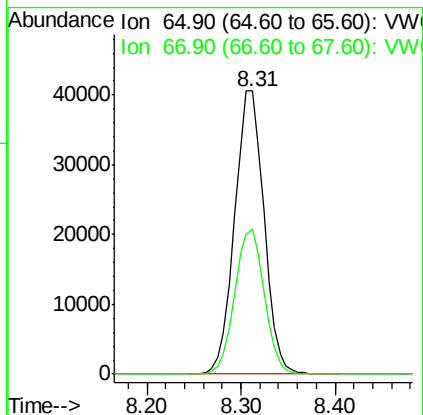
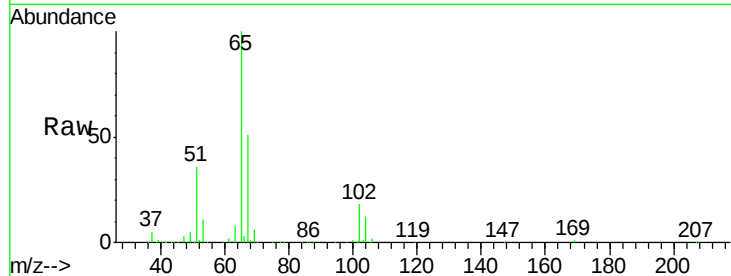
Ion 84.00 (83.70 to 84.70): VW





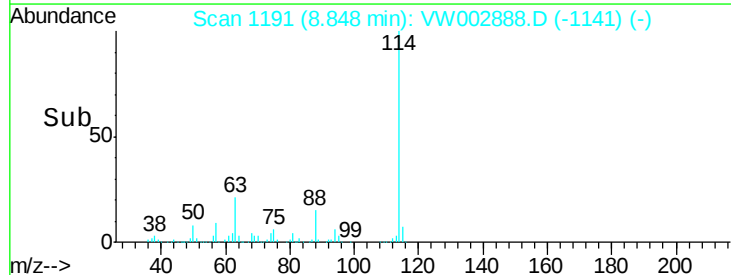
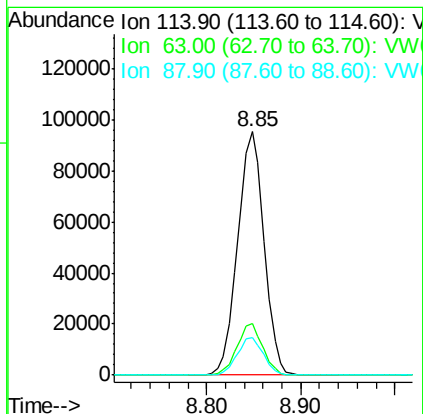
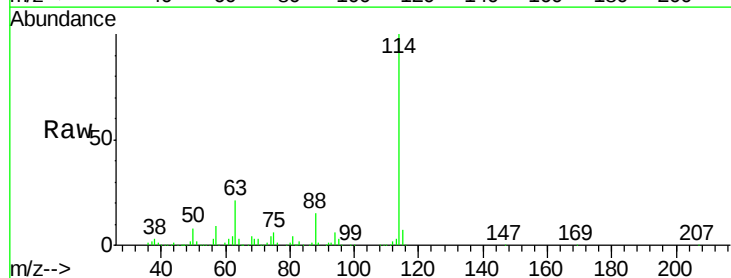
#33
 1,2-Dichloroethane-d4
 Concen: 72.48 ug/l
 RT: 8.31 min Scan# 1103
 Delta R.T. 0.01 min
 Lab File: VW002888.D
 Acq: 25 May 2018 21:43

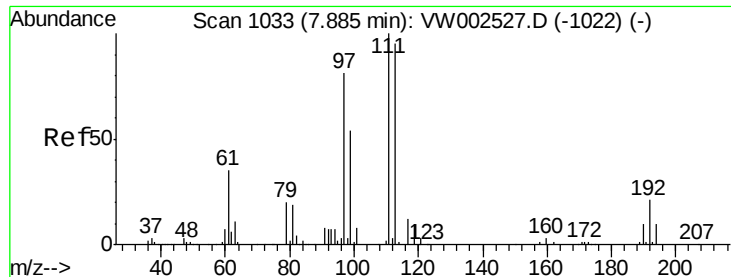
Tgt Ion: 65 Resp: 88255
 Ion Ratio Lower Upper
 65 100
 67 51.7 0.0 104.4



#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 8.85 min Scan# 1191
 Delta R.T. 0.01 min
 Lab File: VW002888.D
 Acq: 25 May 2018 21:43

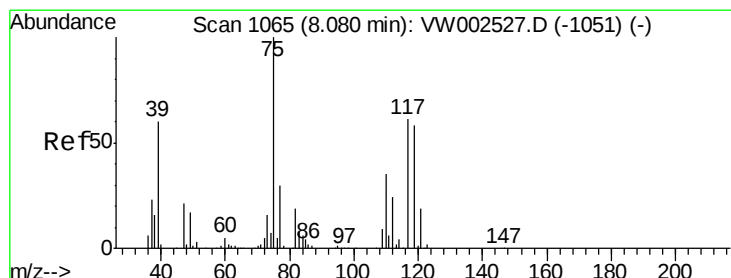
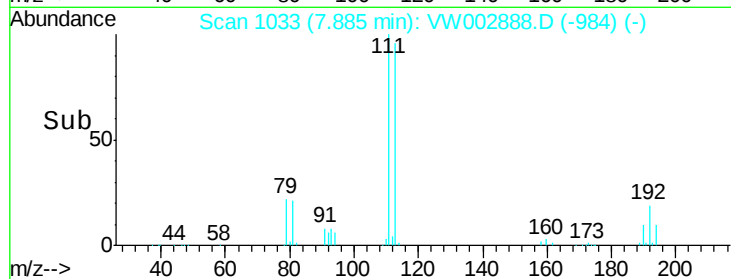
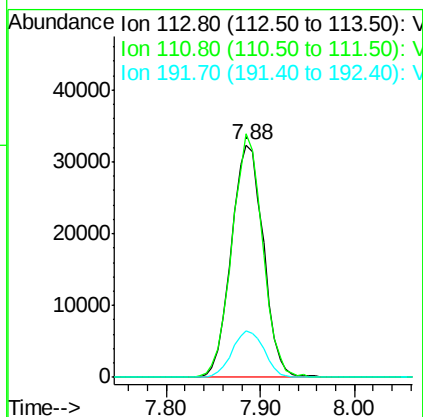
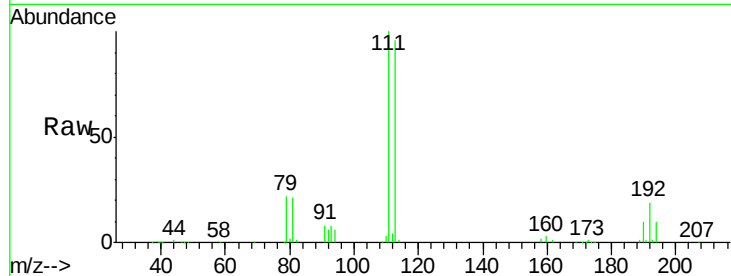
Tgt Ion: 114 Resp: 184893
 Ion Ratio Lower Upper
 114 100
 63 21.0 0.0 43.2
 88 15.3 0.0 29.2





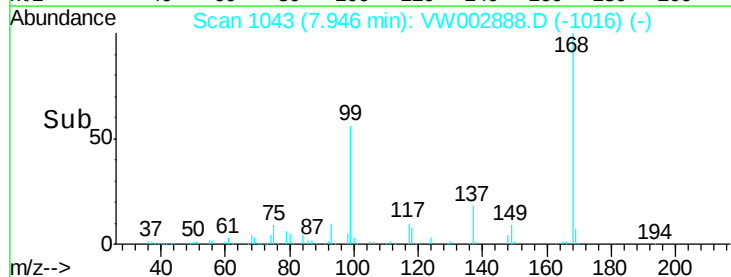
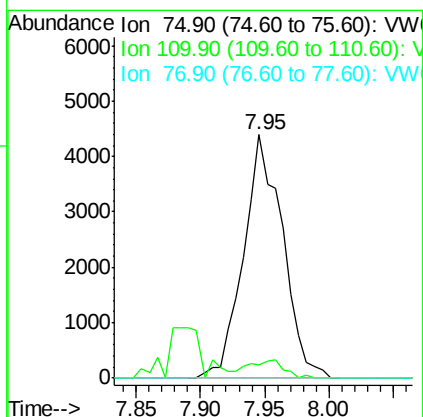
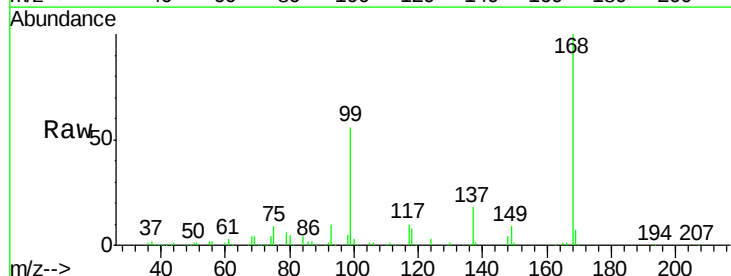
#35
 Dibromofluoromethane
 Concen: 65.44 ug/l
 RT: 7.88 min Scan# 1033
 Delta R.T. -0.00 min
 Lab File: VW002888.D
 Acq: 25 May 2018 21:43

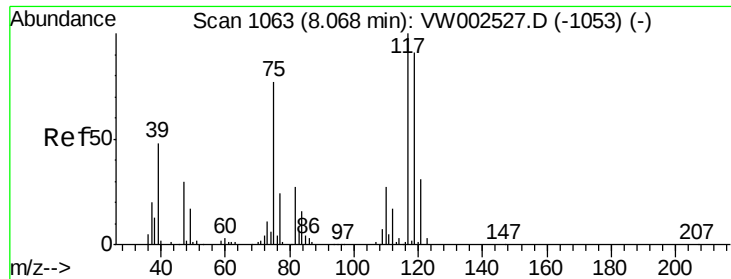
Tgt Ion: 113 Resp: 76755
 Ion Ratio Lower Upper
 113 100
 111 100.1 81.8 122.8
 192 20.1 17.5 26.3



#36
 1,1-Dichloropropene
 Concen: 5.64 ug/l
 RT: 7.95 min Scan# 1043
 Delta R.T. -0.13 min
 Lab File: VW002888.D
 Acq: 25 May 2018 21:43

Tgt Ion: 75 Resp: 9208
 Ion Ratio Lower Upper
 75 100
 110 6.8 17.8 53.5#
 77 0.0 24.5 36.7#





#38

Carbon Tetrachloride

Concen: 7.31 ug/l

RT: 7.95 min Scan# 1043

Delta R.T. -0.12 min

Lab File: VW002888.D

Acq: 25 May 2018 21:43

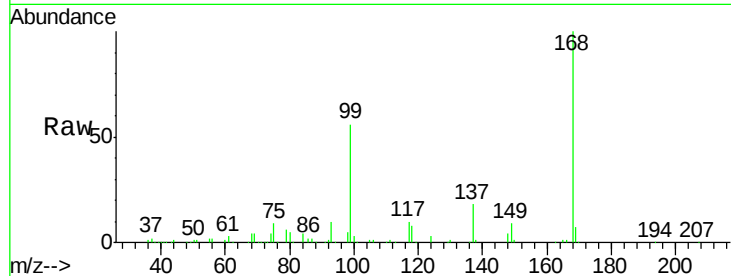
Tgt Ion: 117 Resp: 11683

Ion Ratio Lower Upper

117 100

119 4.0 73.1 109.7#

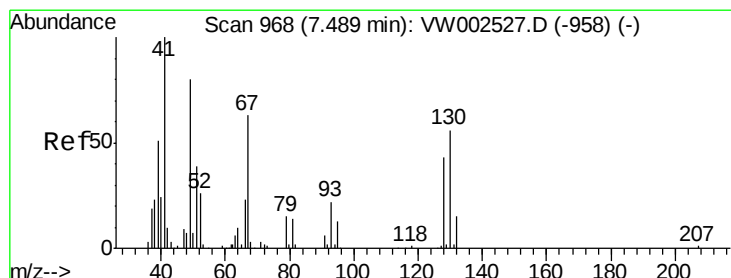
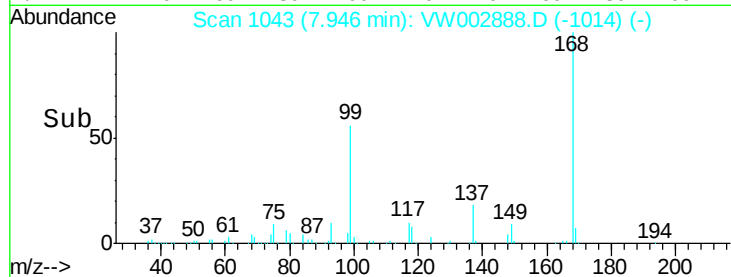
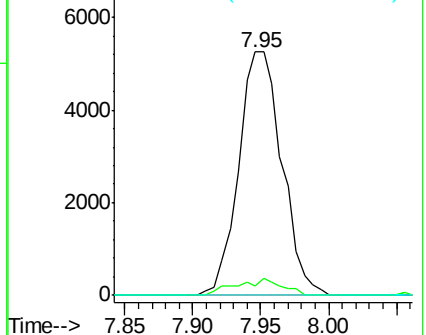
121 0.0 24.4 36.6#



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



#41

Methacrylonitrile

Concen: 5.66 ug/l

RT: 7.45 min Scan# 961

Delta R.T. -0.04 min

Lab File: VW002888.D

Acq: 25 May 2018 21:43

Tgt Ion: 41 Resp: 2565

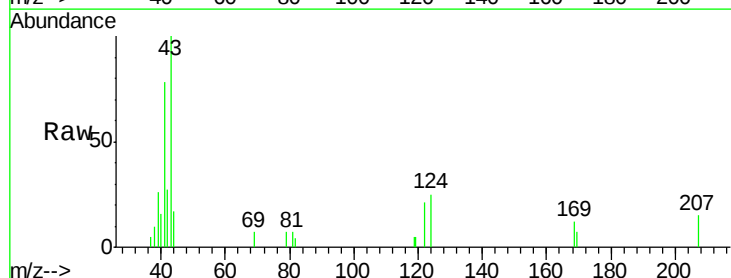
Ion Ratio Lower Upper

41 100

39 61.5 51.8 77.8

67 0.0 59.9 89.9#

52 0.0 26.6 39.8#

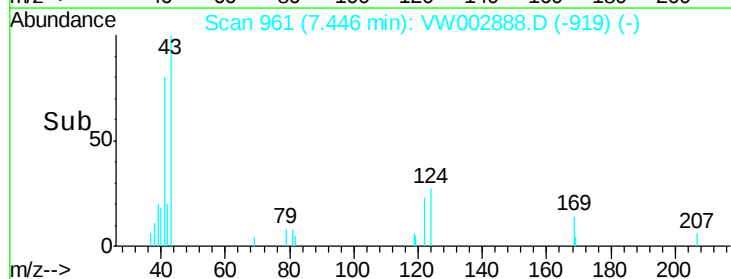
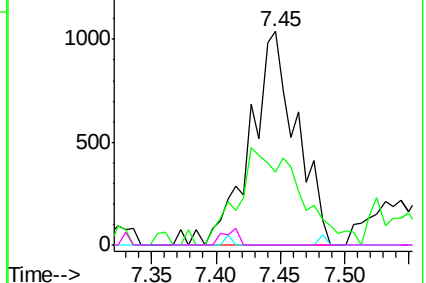


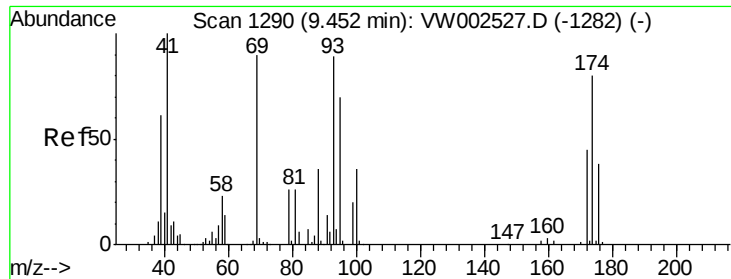
Abundance Ion 41.00 (40.70 to 41.70): VW

Ion 39.00 (38.70 to 39.70): VW

Ion 67.00 (66.70 to 67.70): VW

Ion 52.00 (51.70 to 52.70): VW





#49

1,4-Dioxane

Concen: 3.00 ug/l

RT: 9.55 min Scan# 1306

Delta R.T. 0.10 min

Lab File: VW002888.D

Acq: 25 May 2018 21:43

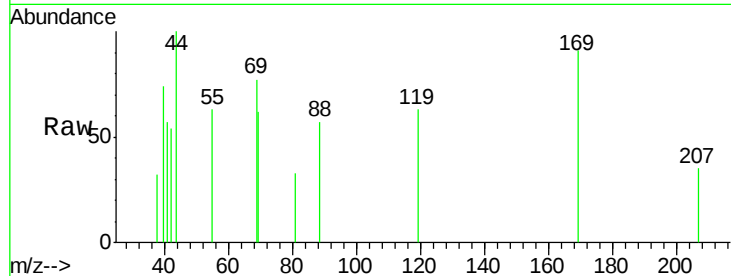
Tgt Ion: 88 Resp: 34

Ion Ratio Lower Upper

88 100

43 70.6 27.0 40.4#

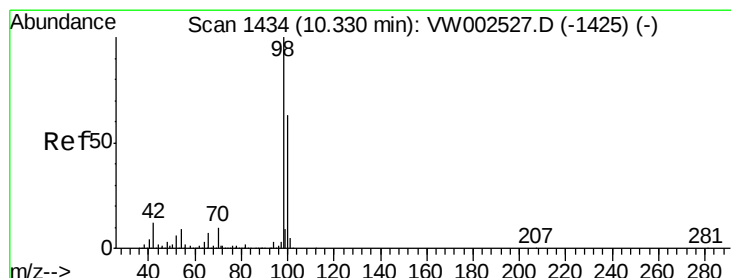
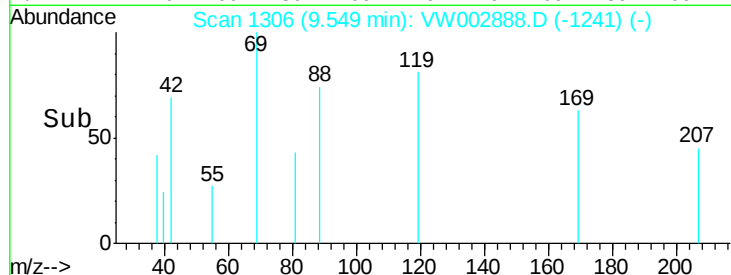
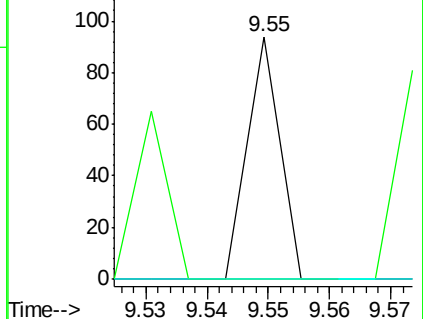
58 0.0 56.9 85.3#



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: 56.21 ug/l

RT: 10.33 min Scan# 1434

Delta R.T. -0.00 min

Lab File: VW002888.D

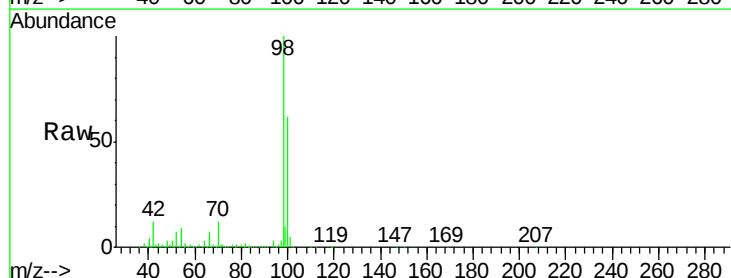
Acq: 25 May 2018 21:43

Tgt Ion: 98 Resp: 250818

Ion Ratio Lower Upper

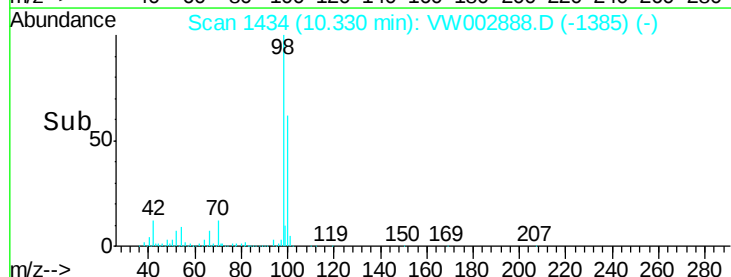
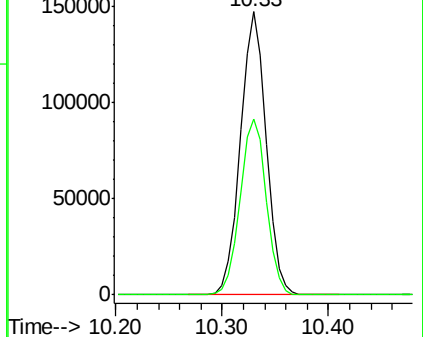
98 100

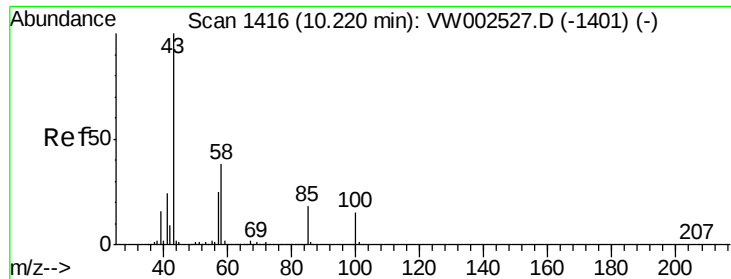
100 63.2 51.0 76.4



Abundance Ion 98.00 (97.70 to 98.70): VW

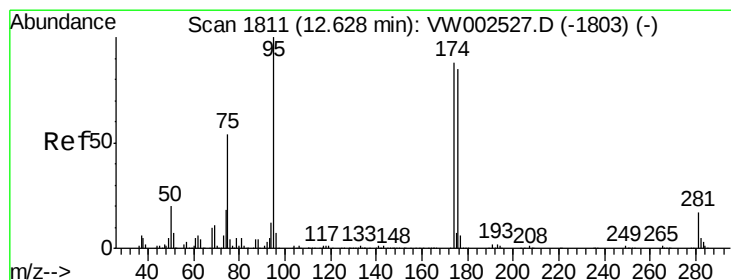
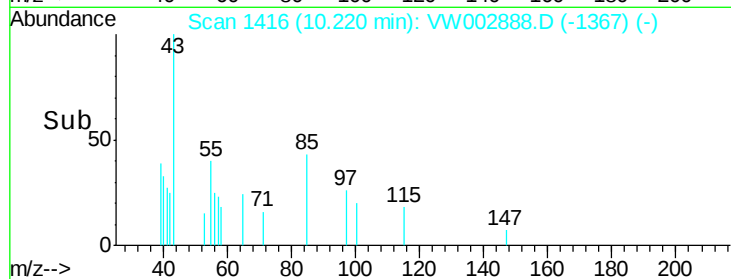
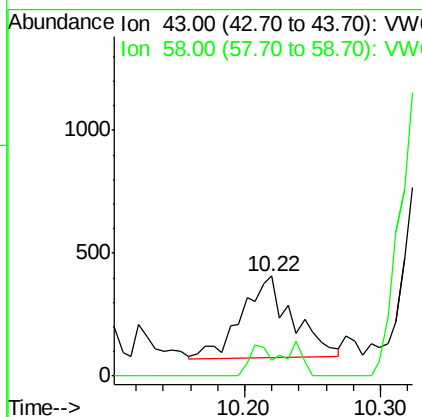
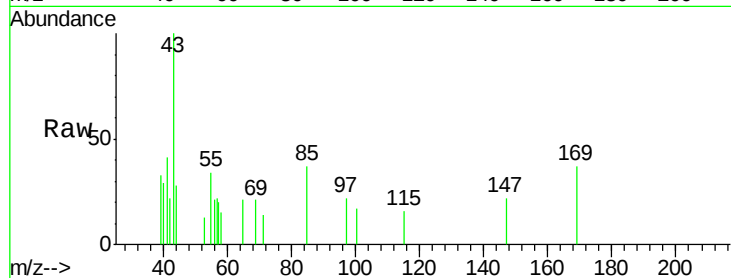
Ion 100.00 (99.70 to 100.70): VW





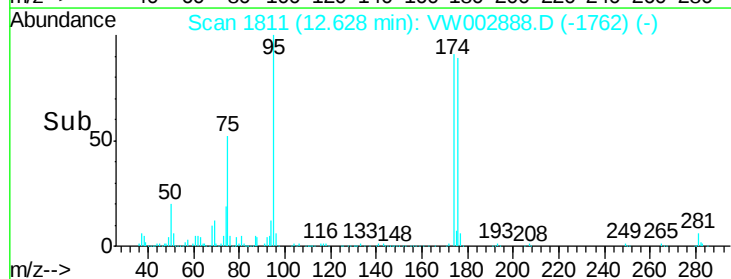
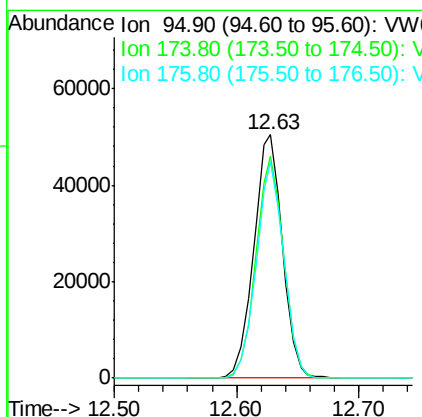
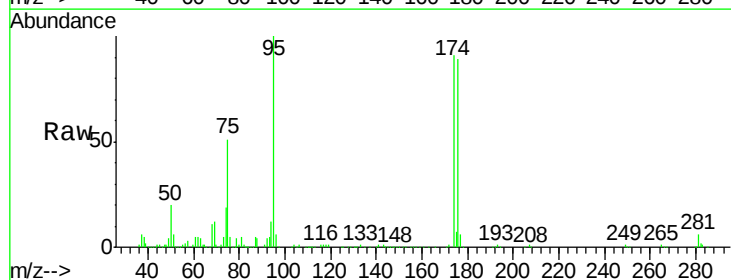
#51
 4-Methyl-2-Pentanone
 Concen: 1.03 ug/l
 RT: 10.22 min Scan# 1416
 Delta R.T. -0.00 min
 Lab File: VW002888.D
 Acq: 25 May 2018 21:43

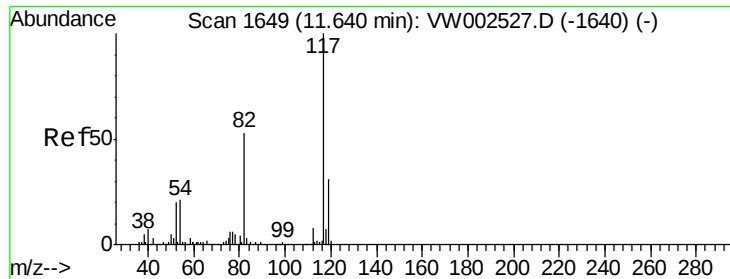
Tgt Ion: 43 Resp: 880
 Ion Ratio Lower Upper
 43 100
 58 14.9 30.1 45.1#



#62
 4-Bromofluorobenzene
 Concen: 50.40 ug/l
 RT: 12.63 min Scan# 1811
 Delta R.T. -0.00 min
 Lab File: VW002888.D
 Acq: 25 May 2018 21:43

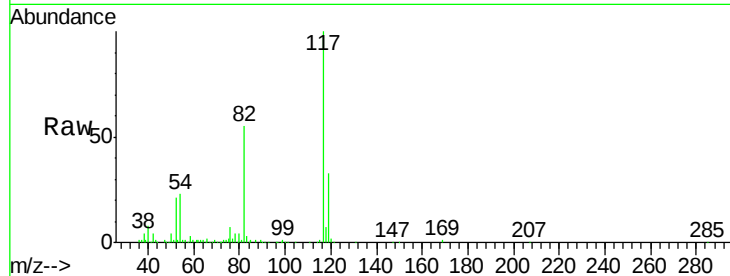
Tgt Ion: 95 Resp: 82251
 Ion Ratio Lower Upper
 95 100
 174 88.6 0.0 176.6
 176 85.7 0.0 172.2



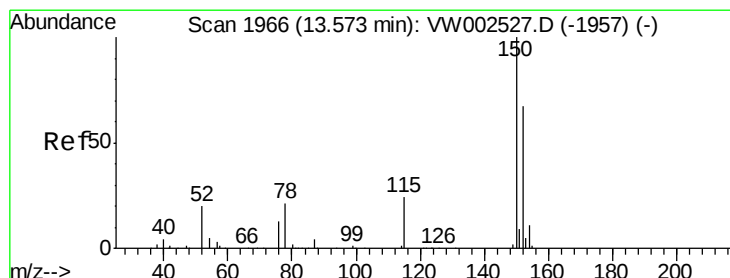
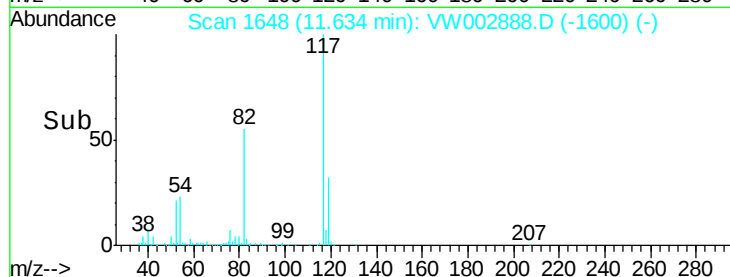
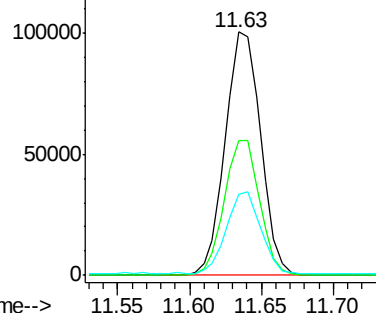


#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 11.63 min Scan# 1648
Delta R.T. -0.01 min
Lab File: VW002888.D
Acq: 25 May 2018 21:43

Tgt Ion	Ratio	Lower	Upper
117	100		
82	55.4	42.6	64.0
119	32.4	25.0	37.6

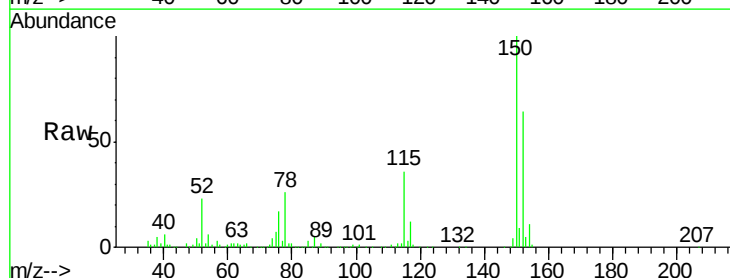


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): V
Ion 118.90 (118.60 to 119.60): V

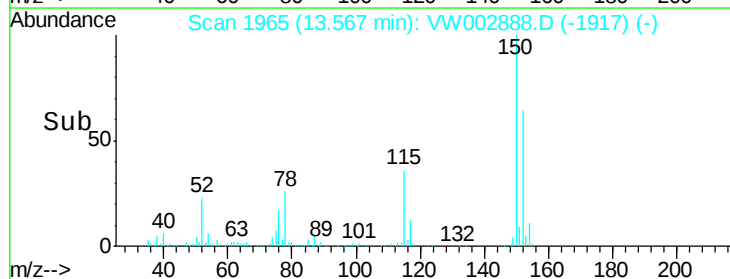
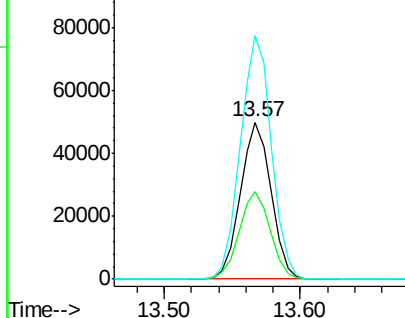


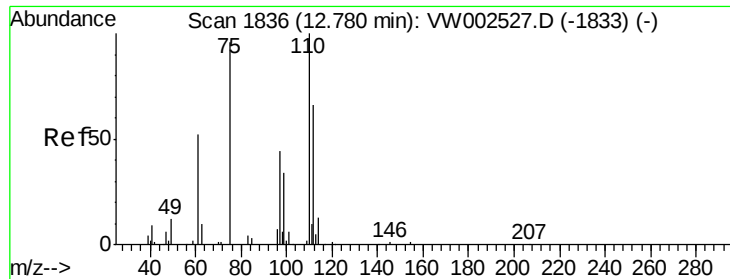
#72
1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 13.57 min Scan# 1965
Delta R.T. -0.01 min
Lab File: VW002888.D
Acq: 25 May 2018 21:43

Tgt Ion	Ratio	Lower	Upper
152	100		
115	55.8	28.0	84.0
150	156.3	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: 59.04 ug/l

RT: 12.62 min Scan# 1810

Delta R.T. -0.16 min

Lab File: VW002888.D

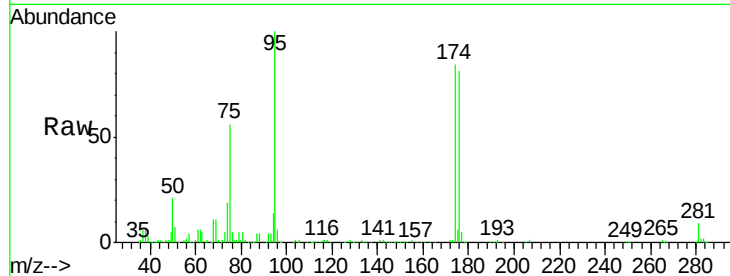
Acq: 25 May 2018 21:43

Tgt Ion: 75 Resp: 43736

Ion Ratio Lower Upper

75 100

77 1.7 0.0 0.0#



Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 77.00 (76.70 to 77.70): VW

12.62

30000

25000

20000

15000

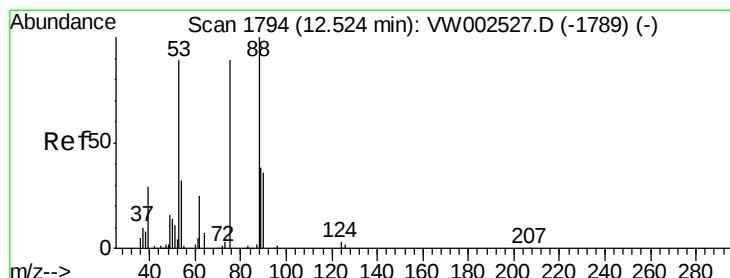
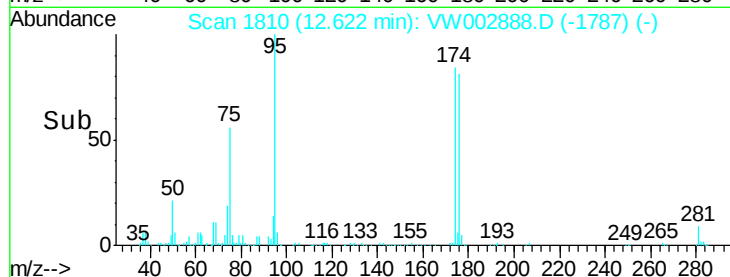
10000

5000

0

12.55 12.60 12.65 12.70

Time-->



#81

trans-1,4-Dichloro-2-butene

Concen: 160.98 ug/l

RT: 12.62 min Scan# 1810

Delta R.T. 0.10 min

Lab File: VW002888.D

Acq: 25 May 2018 21:43

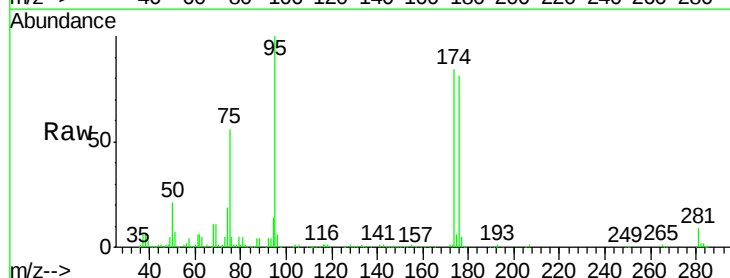
Tgt Ion: 75 Resp: 43736

Ion Ratio Lower Upper

75 100

53 0.8 82.6 124.0#

89 0.1 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

12.62

30000

20000

10000

0

12.55 12.60 12.65 12.70

Time-->

