

Data Path : W:\HPCHEM1\MSVOA W\DATA\VW052518\
 Data File : VW002864.D
 Acq On : 25 May 2018 01:00
 Operator : JC/SY
 Sample : J3024-01RE
 Misc : 6.12G/10ML/MSVOA W/SOIL
 ALS Vial : 34 Sample Multiplier: 1

Quant Time: May 25 08:52:36 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	105106	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.85	114	176769	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.64	117	146513	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.57	152	42212	50.00	ug/l	0.00

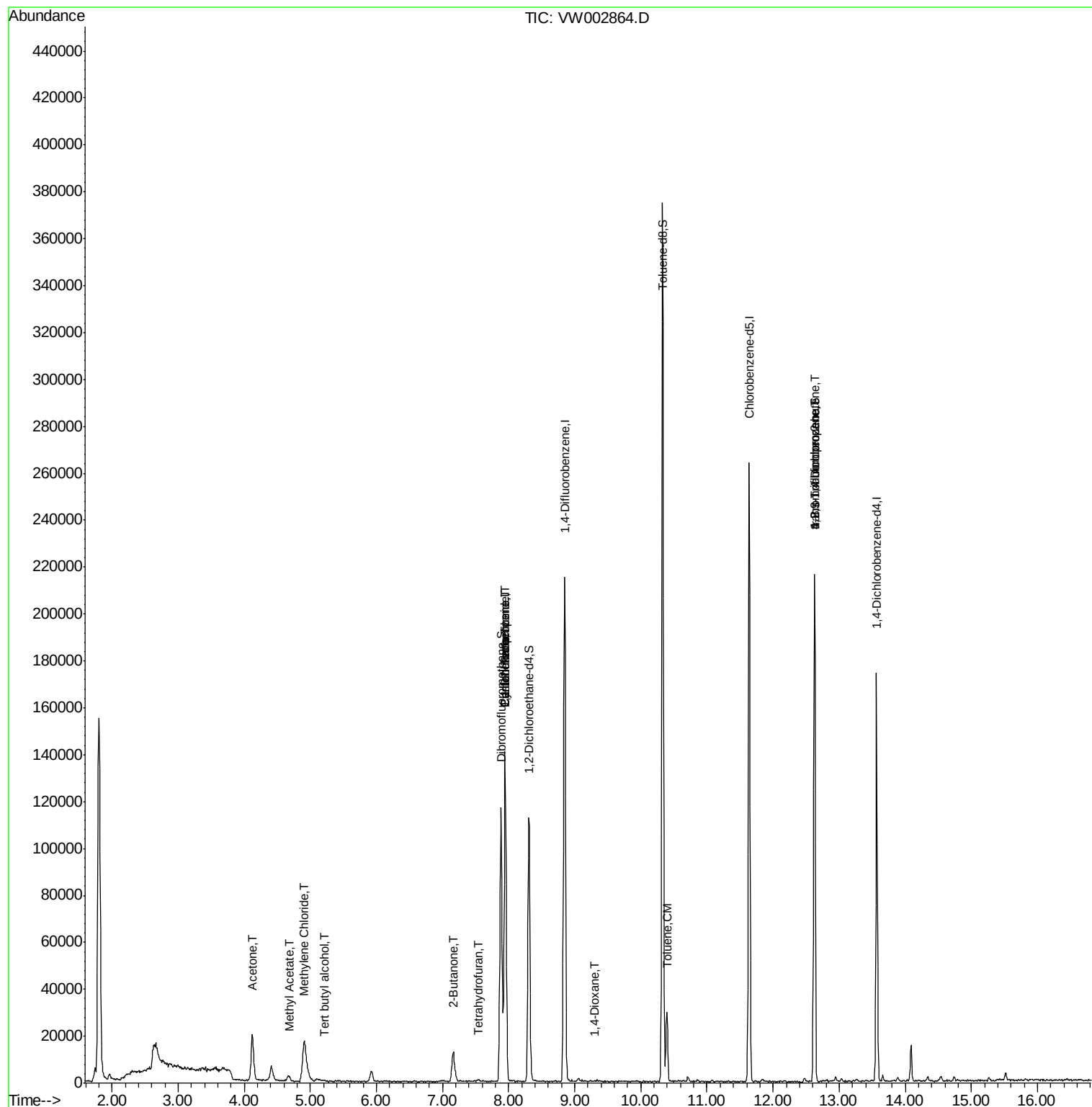
System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.31	65	87577	80.63	ug/l	0.00
Spiked Amount			Recovery	=	161.26%	
35) Dibromofluoromethane	7.88	113	78721	70.20	ug/l	0.00
Spiked Amount			Recovery	=	140.40%	
50) Toluene-d8	10.33	98	240581	56.39	ug/l	0.00
Spiked Amount			Recovery	=	112.78%	
62) 4-Bromofluorobenzene	12.63	95	59855	38.37	ug/l	0.00
Spiked Amount			Recovery	=	76.74%	

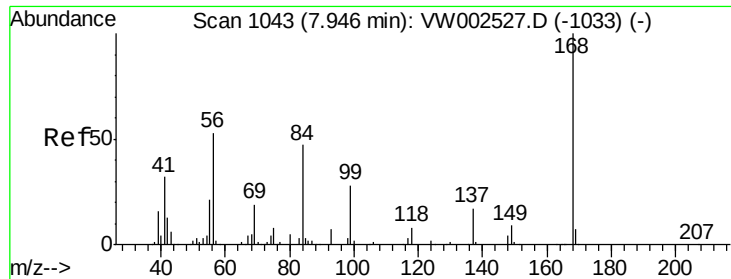
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
11) Tert butyl alcohol	5.20	59	708	8.48	ug/l #	72
16) Acetone	4.12	43	35043	152.83	ug/l	100
18) Methyl Acetate	4.68	43	4289	6.42	ug/l #	68
20) Methylene Chloride	4.91	84	16535	16.27	ug/l	96
25) 2-Butanone	7.17	43	1093	3.37	ug/l #	83
29) Tetrahydrofuran	7.54	42	569	2.81	ug/l #	57
31) Cyclohexane	7.95	56	2659	1.72	ug/l #	39
36) 1,1-Dichloropropene	7.95	75	8861	5.68	ug/l #	49
38) Carbon Tetrachloride	7.95	117	10460	6.85	ug/l #	20
49) 1,4-Dioxane	9.30	88	22	2.03	ug/l #	1
52) Toluene	10.40	92	11786	4.16	ug/l	97
76) 1,2,3-Trichloropropane	12.63	75	31884	79.91	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.63	75	31884	217.86	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: VW002864.D

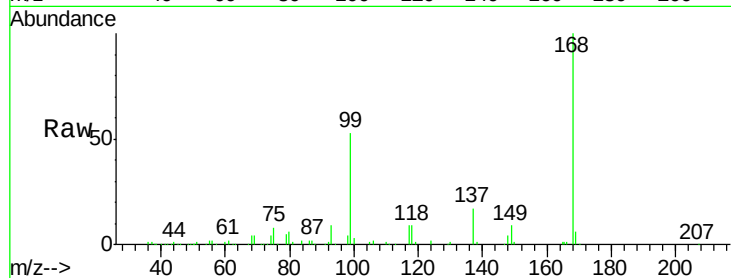
Acq: 25 May 2018 01:00

Tot Ion:168 Resp: 105106

Ion Ratio Lower Upper

168 100

99 52.6 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

50000

40000

30000

20000

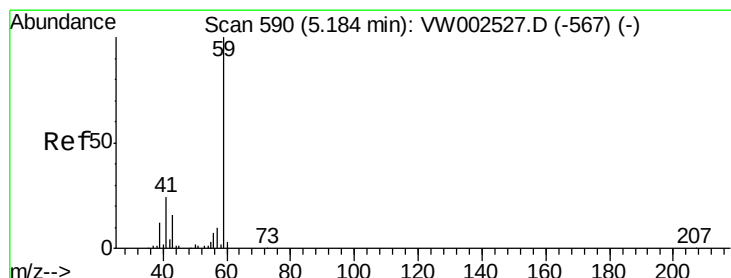
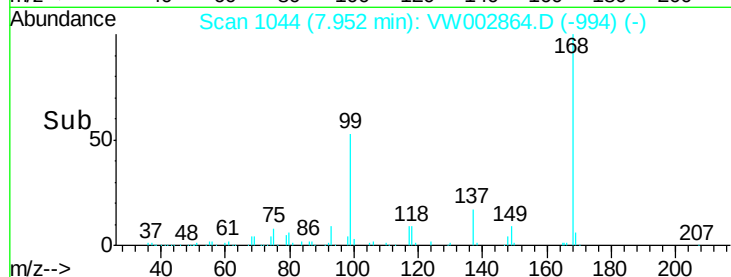
10000

0

Time-->

7.90

8.00



#11

Tert butyl alcohol

Concen: 8.48 ug/l

RT: 5.20 min Scan# 593

Delta R.T. 0.02 min

Lab File: VW002864.D

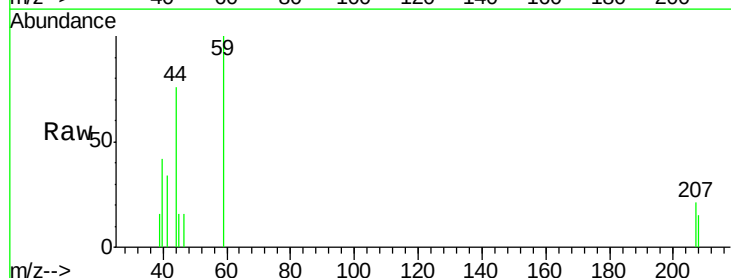
Acq: 25 May 2018 01:00

Tgt Ion: 59 Resp: 708

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

5.20

400

300

200

100

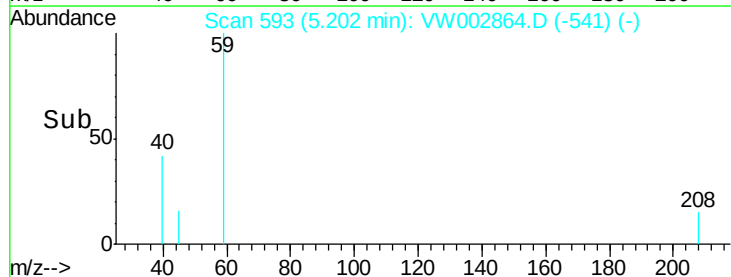
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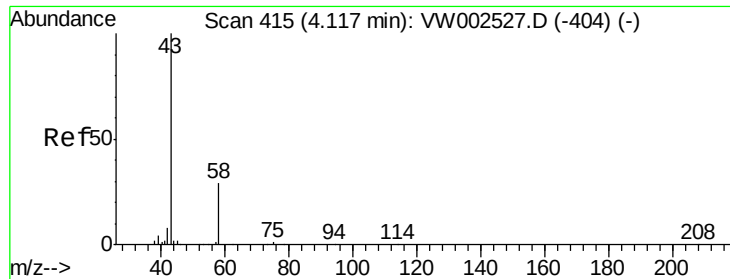
Time-->

5.15

5.20

5.25





#16

Acetone

Concen: 152.83 ug/l

RT: 4.12 min Scan# 416

Delta R.T. 0.01 min

Lab File: VW002864.D

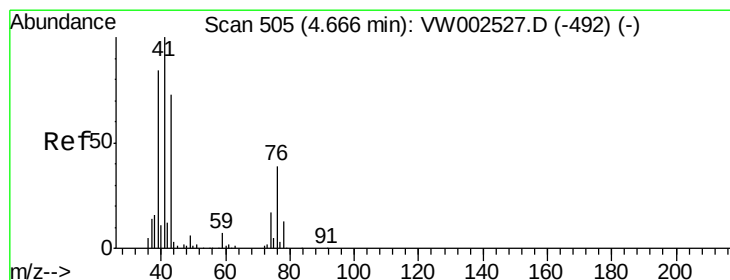
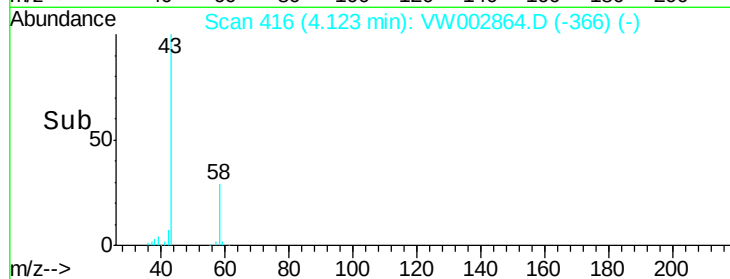
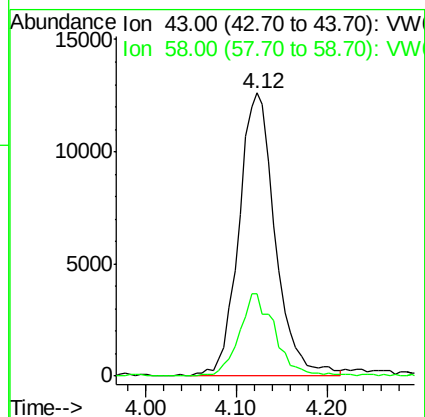
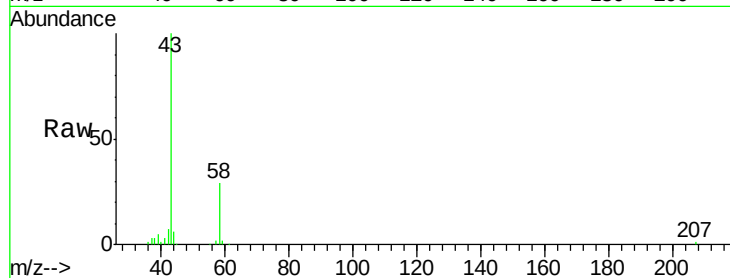
Acq: 25 May 2018 01:00

Tot Ion: 43 Resp: 35043

Ion Ratio Lower Upper

43 100

58 29.0 23.4 35.0



#18

Methyl Acetate

Concen: 6.42 ug/l

RT: 4.68 min Scan# 507

Delta R.T. 0.01 min

Lab File: VW002864.D

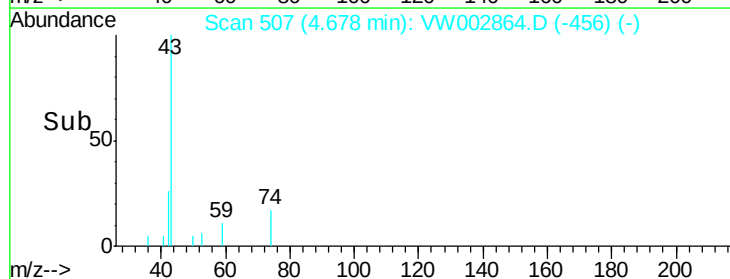
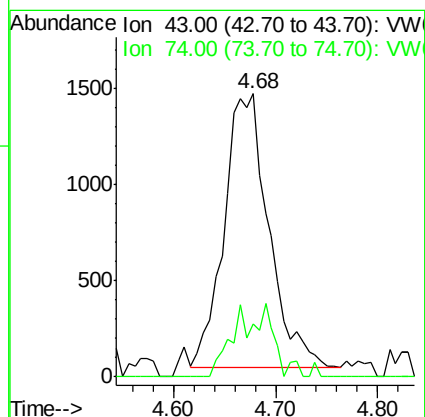
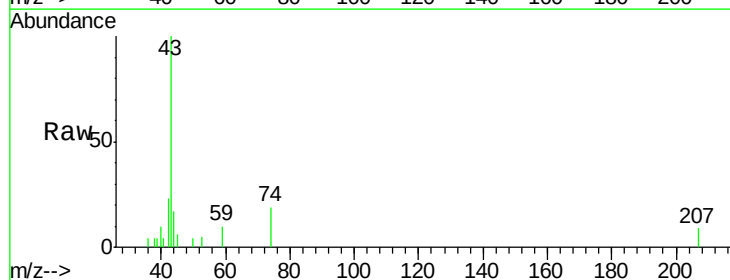
Acq: 25 May 2018 01:00

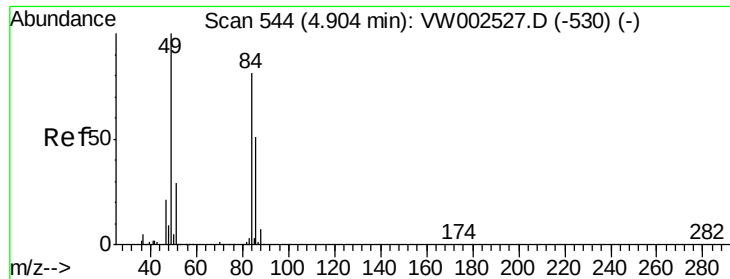
Tgt Ion: 43 Resp: 4289

Ion Ratio Lower Upper

43 100

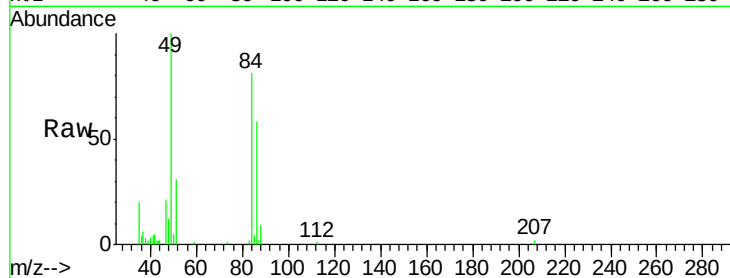
74 8.1 19.2 28.8#



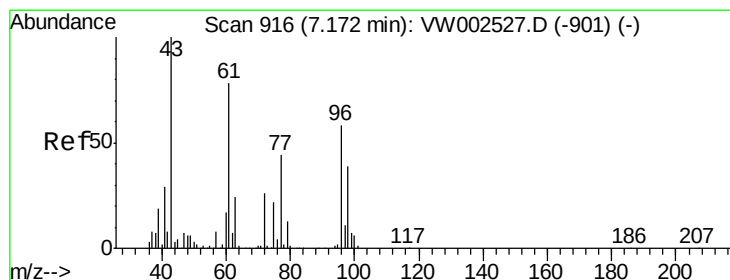
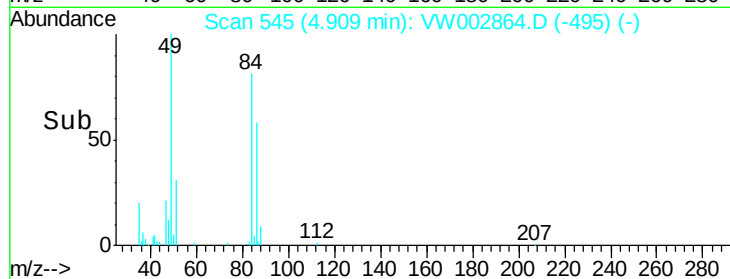
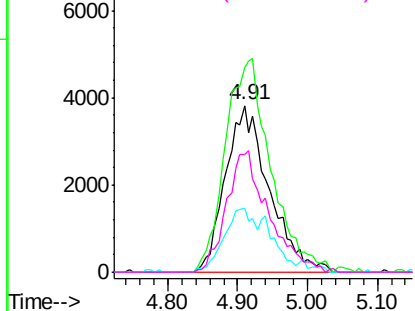


#20
Methvlene Chloride
Concen: 16.27 ug/l
RT: 4.91 min Scan# 545
Delta R.T. 0.01 min
Lab File: VW002864.D
Acq: 25 May 2018 01:00

Tot Ion:	84	Resp:	16535
Ion	Ratio	Lower	Upper
84	100		
49	123.3	99.4	149.0
51	38.8	29.0	43.6
86	71.0	50.3	75.5

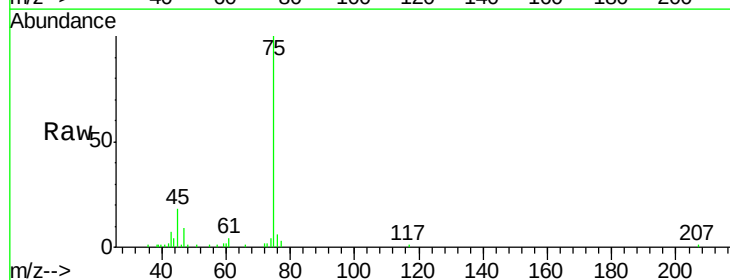


Abundance Ion 83.90 (83.60 to 84.60): VW
Ion 48.90 (48.60 to 49.60): VW
Ion 50.90 (50.60 to 51.60): VW
Ion 85.90 (85.60 to 86.60): VW

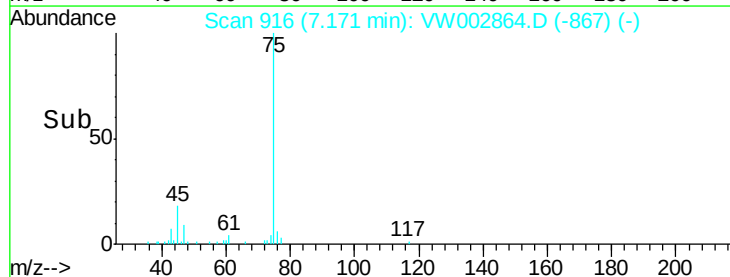
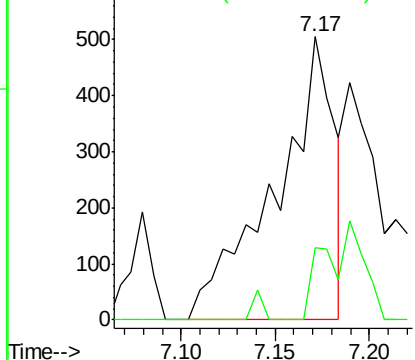


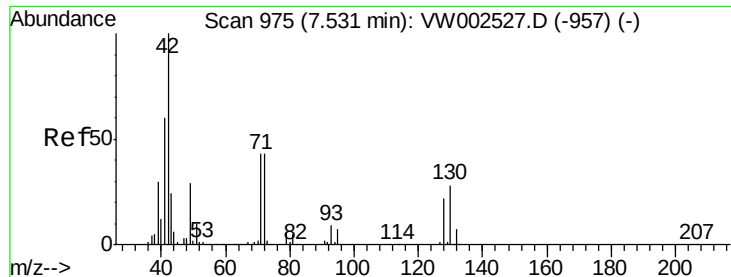
#25
2-Butanone
Concen: 3.37 ug/l
RT: 7.17 min Scan# 916
Delta R.T. -0.00 min
Lab File: VW002864.D
Acq: 25 May 2018 01:00

Tgt Ion:	43	Resp:	1093
Ion	Ratio	Lower	Upper
43	100		
72	34.9	20.9	31.3#



Abundance Ion 43.00 (42.70 to 43.70): VW
Ion 72.00 (71.70 to 72.70): VW





#29

Tetrahydrofuran

Concen: 2.81 ug/l

RT: 7.54 min Scan# 976

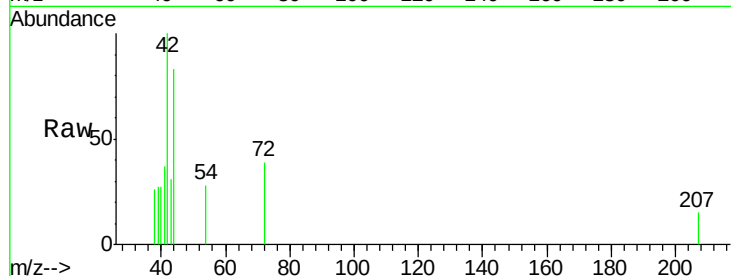
Delta R.T. 0.01 min

Lab File: VW002864.D

Acq: 25 May 2018 01:00

Tot Ion: 42 Resp: 569

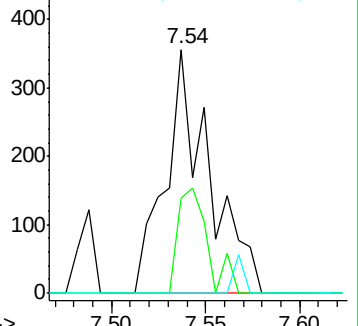
Ion	Ratio	Lower	Upper
42	100		
72	29.3	35.0	52.4#
71	0.0	33.0	49.6#



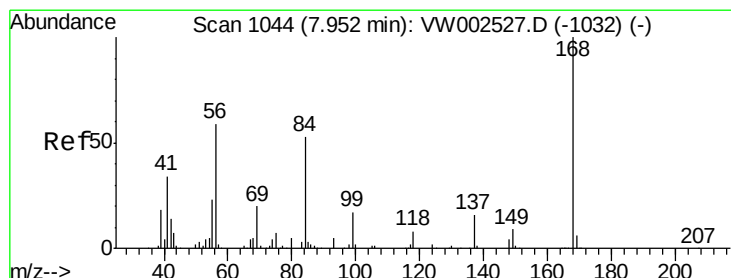
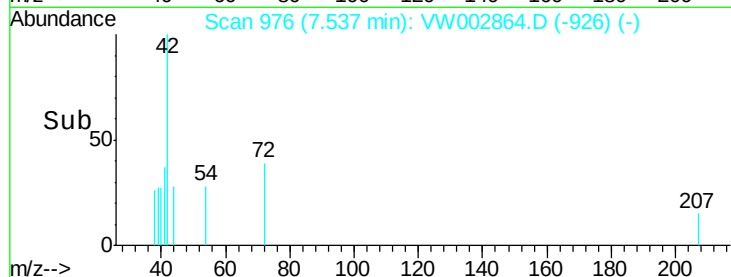
Abundance Ion 42.00 (41.70 to 42.70): VW

Ion 72.00 (71.70 to 72.70): VW

Ion 71.00 (70.70 to 71.70): VW



Time-->



#31

Cyclohexane

Concen: 1.72 ug/l

RT: 7.95 min Scan# 1044

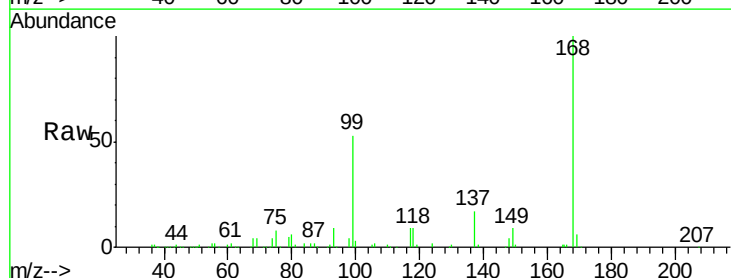
Delta R.T. -0.00 min

Lab File: VW002864.D

Acq: 25 May 2018 01:00

Tgt Ion: 56 Resp: 2659

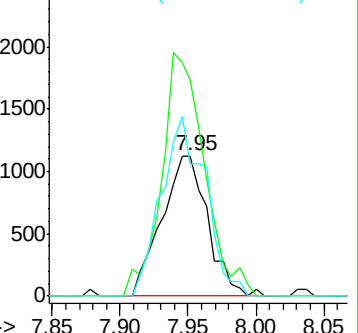
Ion	Ratio	Lower	Upper
56	100		
69	154.7	27.0	40.4#
84	94.4	72.2	108.2



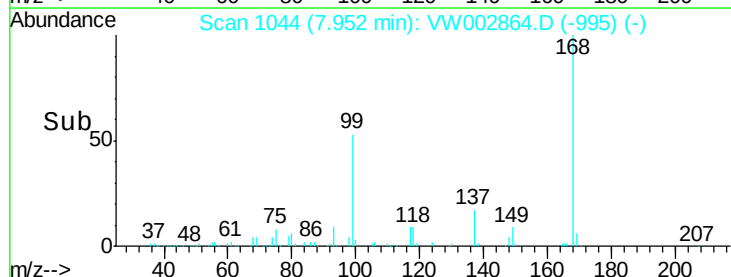
Abundance Ion 56.00 (55.70 to 56.70): VW

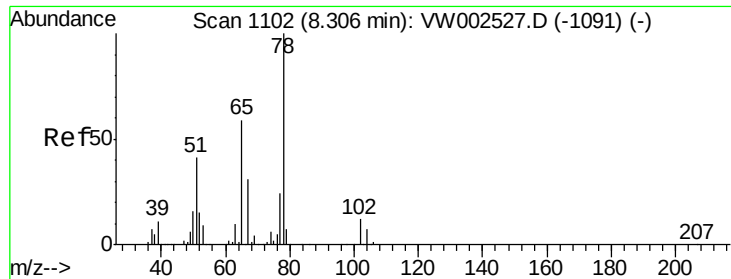
Ion 69.00 (68.70 to 69.70): VW

Ion 84.00 (83.70 to 84.70): VW



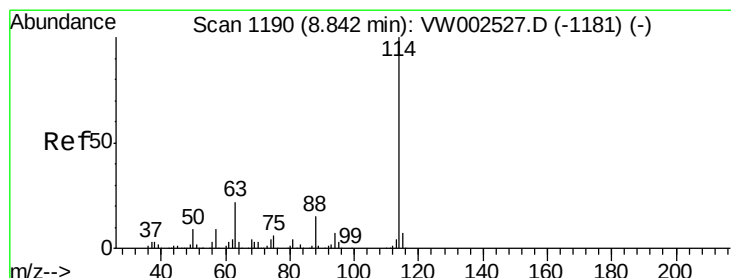
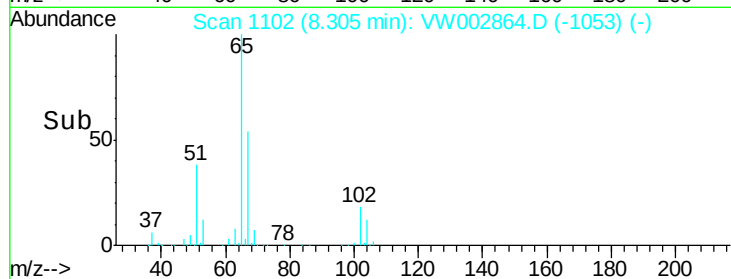
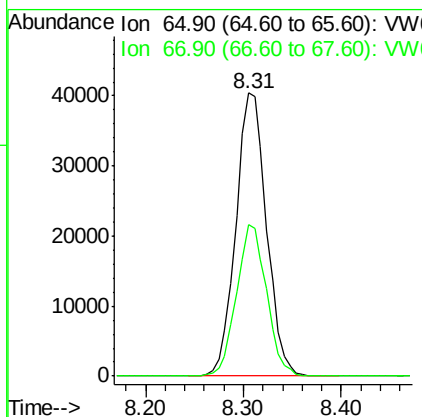
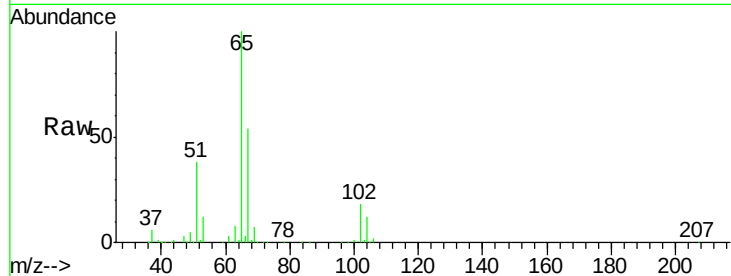
Time-->





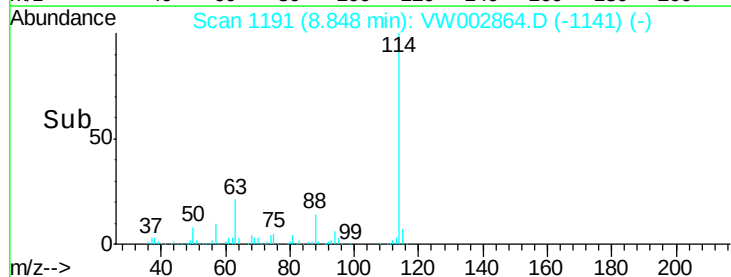
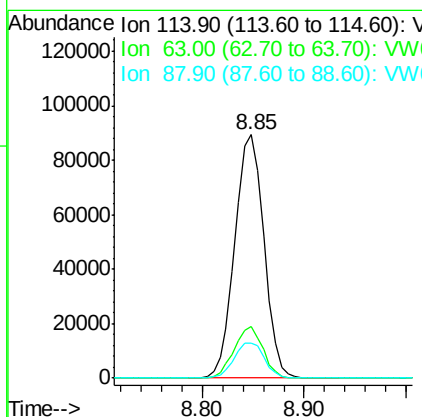
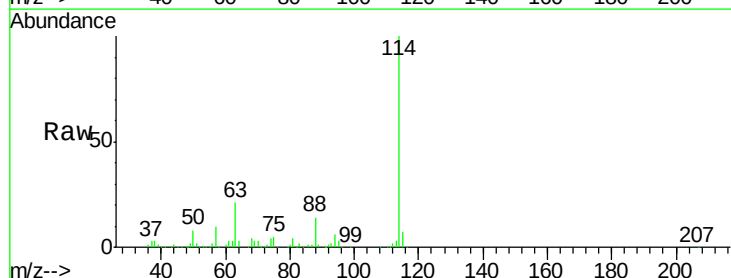
#33
 1,2-Dichloroethane-d4
 Concen: 80.63 ug/l
 RT: 8.31 min Scan# 1102
 Delta R.T. -0.00 min
 Lab File: VW002864.D
 Acq: 25 May 2018 01:00

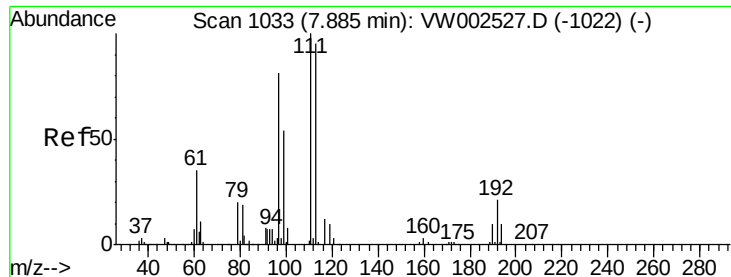
Tot Ion: 65 Resp: 87577
 Ion Ratio Lower Upper
 65 100
 67 52.5 0.0 104.4



#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 8.85 min Scan# 1191
 Delta R.T. 0.01 min
 Lab File: VW002864.D
 Acq: 25 May 2018 01:00

Tgt Ion: 114 Resp: 176769
 Ion Ratio Lower Upper
 114 100
 63 21.2 0.0 43.2
 88 14.3 0.0 29.2





#35

Dibromofluoromethane

Concen: 70.20 ug/l

RT: 7.88 min Scan# 1033

Delta R.T. -0.00 min

Lab File: VW002864.D

Acq: 25 May 2018 01:00

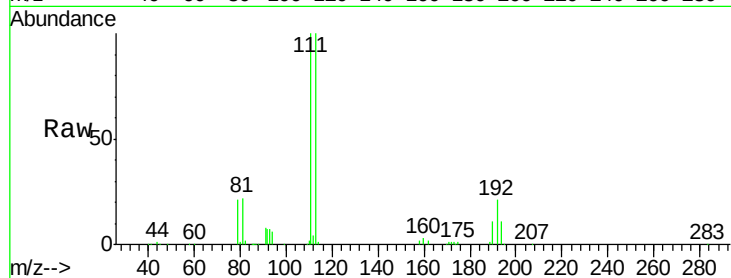
Tot Ion:113 Resp: 78721

Ion Ratio Lower Upper

113 100

111 100.9 81.8 122.8

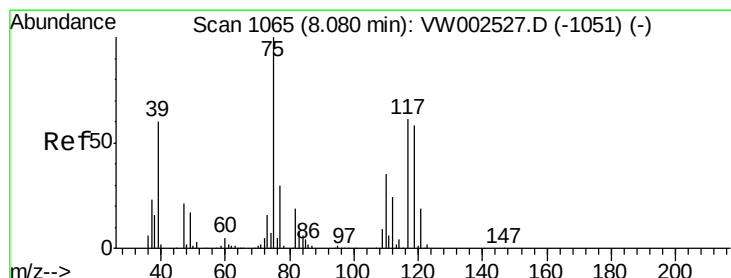
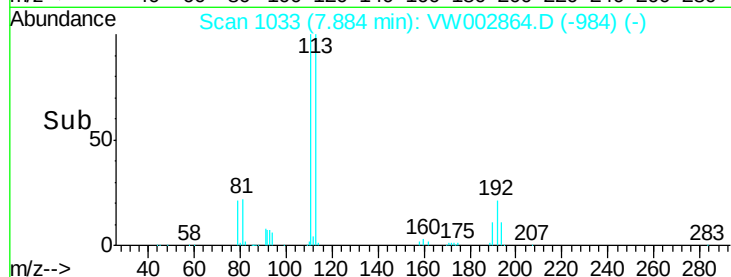
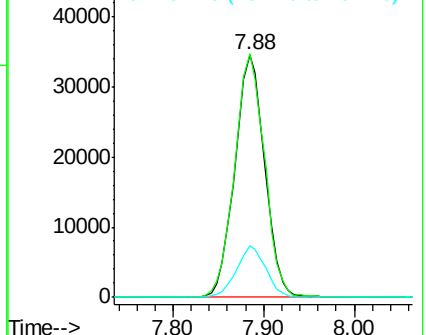
192 20.8 17.5 26.3



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: 5.68 ug/l

RT: 7.95 min Scan# 1044

Delta R.T. -0.13 min

Lab File: VW002864.D

Acq: 25 May 2018 01:00

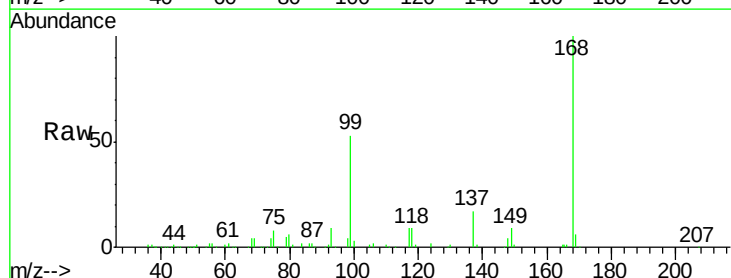
Tgt Ion: 75 Resp: 8861

Ion Ratio Lower Upper

75 100

110 8.6 17.8 53.5#

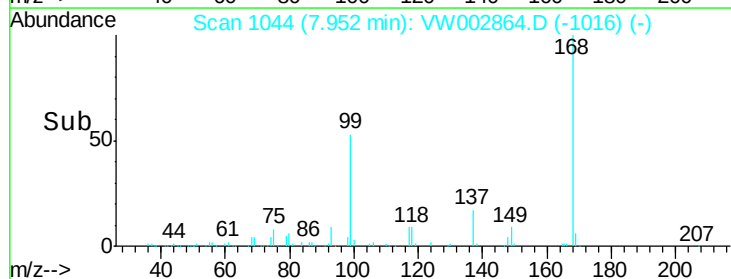
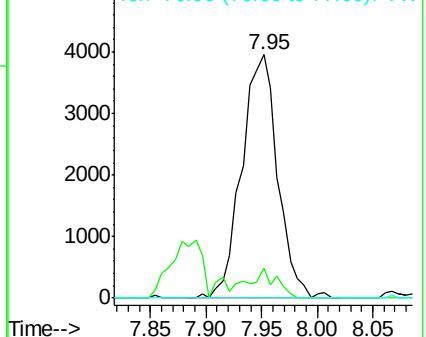
77 0.0 24.5 36.7#

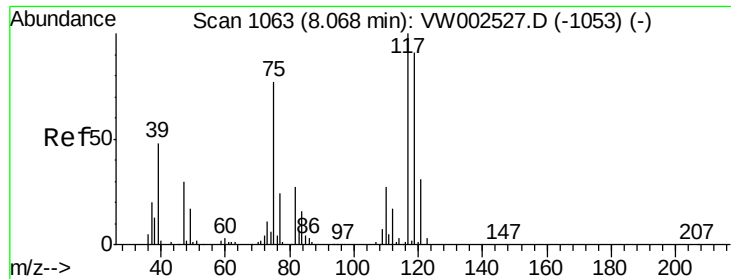


Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VW





#38

Carbon Tetrachloride

Concen: 6.85 ug/l

RT: 7.95 min Scan# 1043

Delta R.T. -0.12 min

Lab File: VW002864.D

Acq: 25 May 2018 01:00

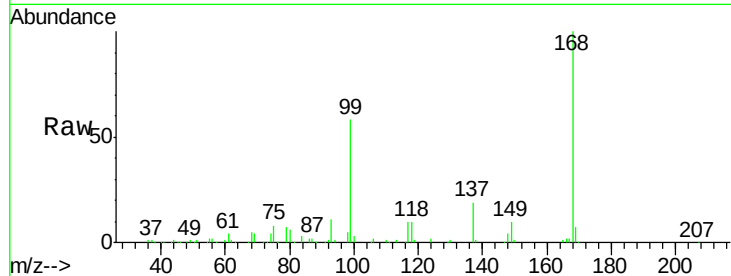
Tot Ion: 117 Resp: 10460

Ion Ratio Lower Upper

117 100

119 7.4 73.1 109.7#

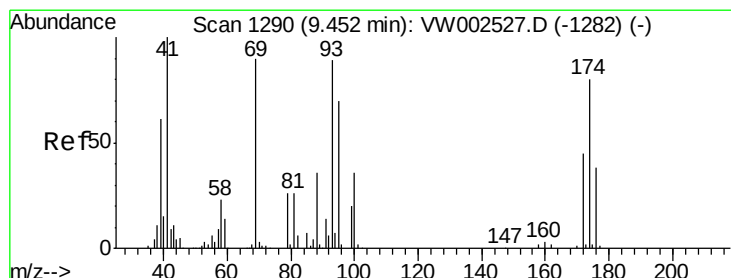
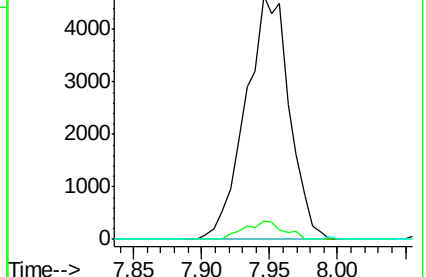
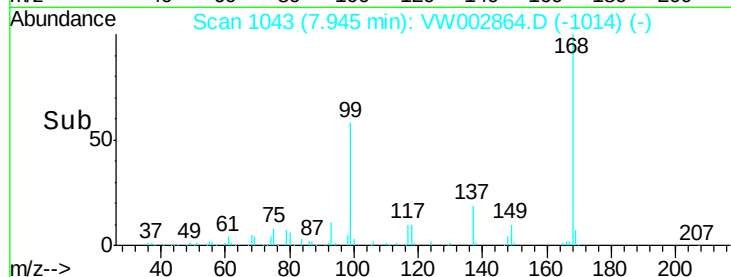
121 0.0 24.4 36.6#



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



#49

1,4-Dioxane

Concen: 2.03 ug/l

RT: 9.30 min Scan# 1265

Delta R.T. -0.15 min

Lab File: VW002864.D

Acq: 25 May 2018 01:00

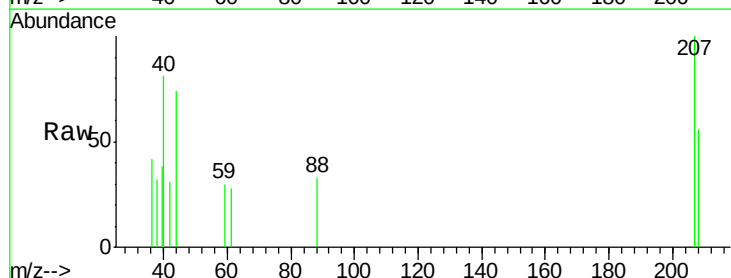
Tgt Ion: 88 Resp: 22

Ion Ratio Lower Upper

88 100

43 204.5 27.0 40.4#

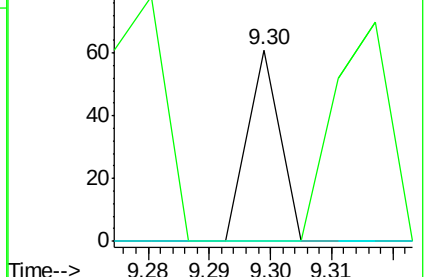
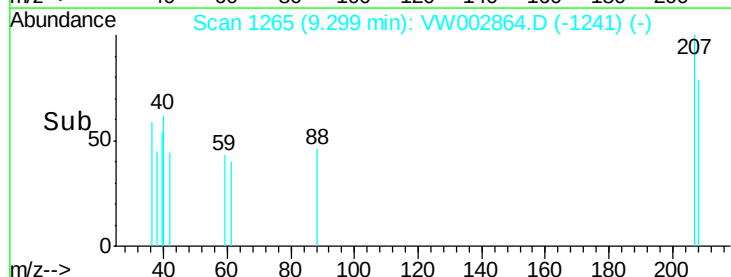
58 0.0 56.9 85.3#

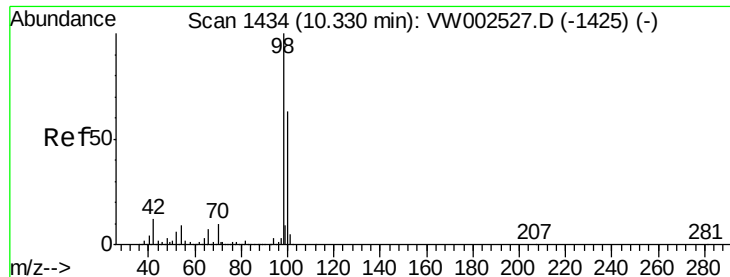


Abundance Ion 88.00 (87.70 to 88.70): VW

Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW





#50

Toluene-d8

Concen: 56.39 ug/l

RT: 10.33 min Scan# 1434

Delta R.T. -0.00 min

Lab File: VW002864.D

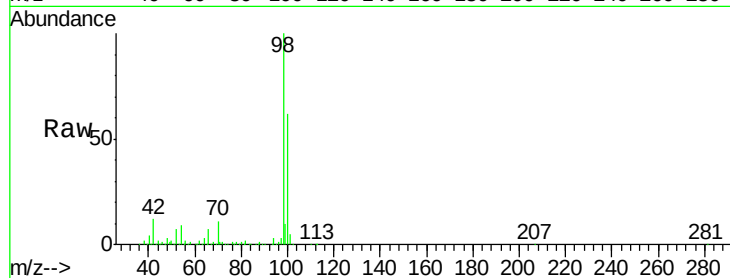
Acq: 25 May 2018 01:00

Tot Ion: 98 Resp: 240581

Ion Ratio Lower Upper

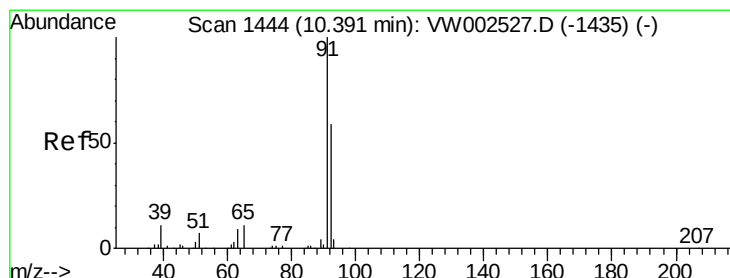
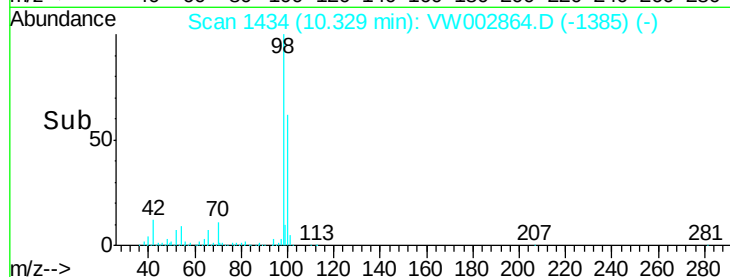
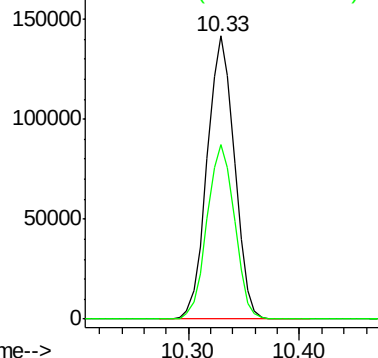
98 100

100 62.2 51.0 76.4



Abundance Ion 98.00 (97.70 to 98.70): VW

Ion 100.00 (99.70 to 100.70): VW



#52

Toluene

Concen: 4.16 ug/l

RT: 10.40 min Scan# 1445

Delta R.T. 0.01 min

Lab File: VW002864.D

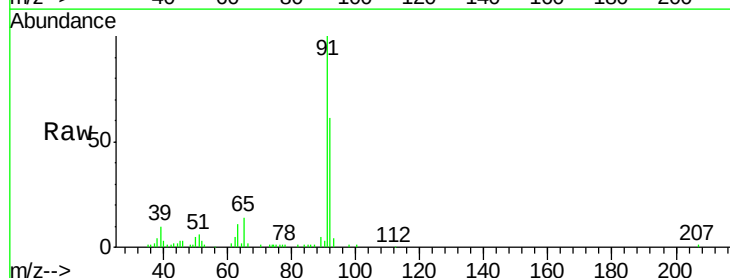
Acq: 25 May 2018 01:00

Tgt Ion: 92 Resp: 11786

Ion Ratio Lower Upper

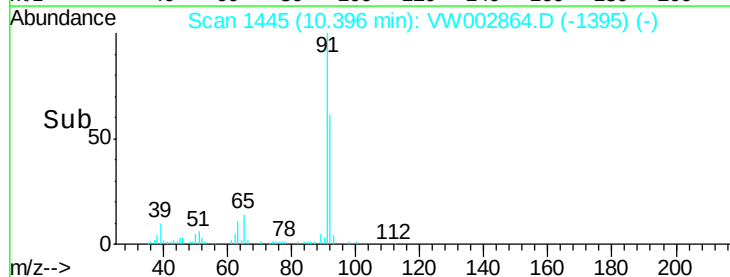
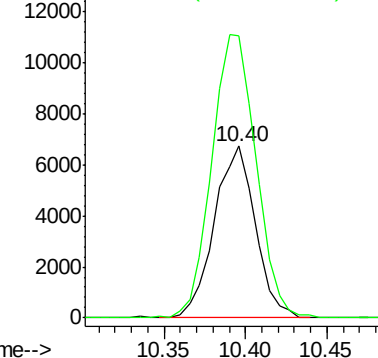
92 100

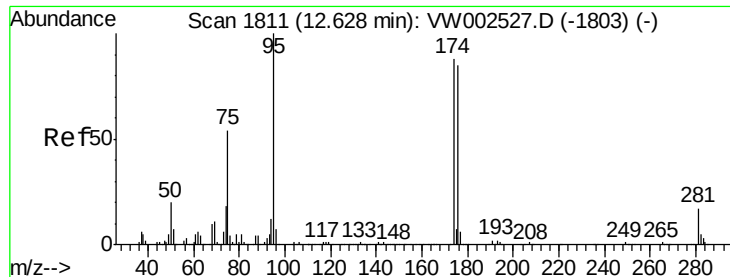
91 177.7 139.1 208.7



Abundance Ion 92.00 (91.70 to 92.70): VW

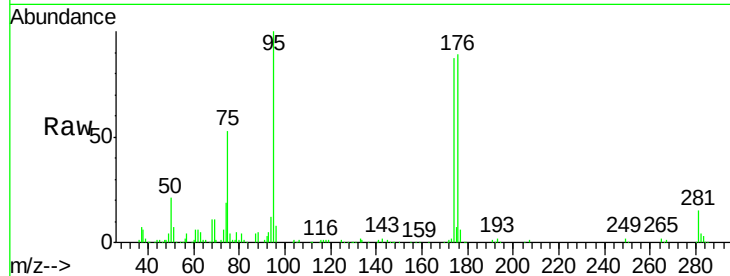
Ion 91.00 (90.70 to 91.70): VW



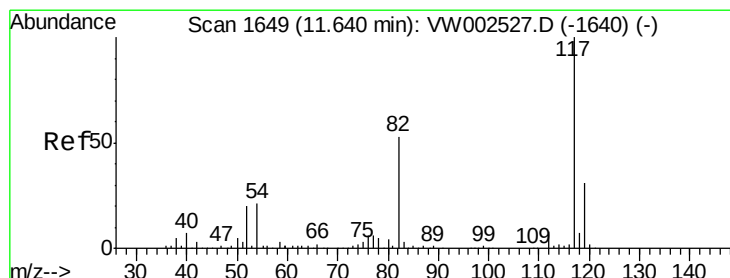
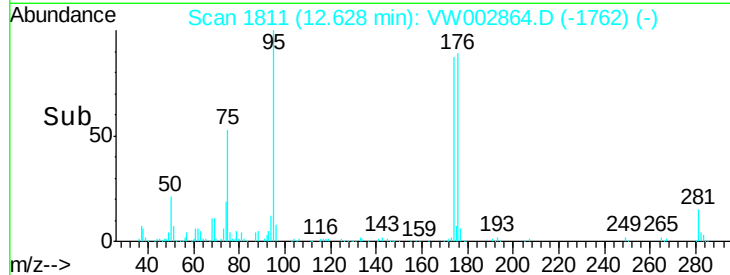
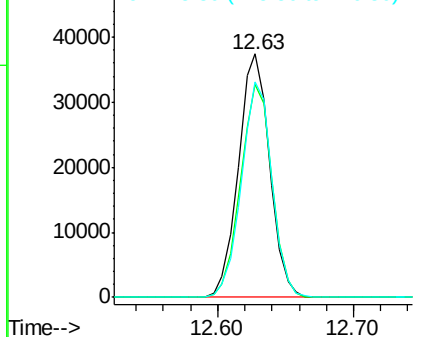


#62
4-Bromofluorobenzene
Concen: 38.37 ug/l
RT: 12.63 min Scan# 1811
Delta R.T. -0.00 min
Lab File: VW002864.D
Acq: 25 May 2018 01:00

Tot Ion	Ratio	Lower	Upper
95	100		
174	88.0	0.0	176.6
176	86.7	0.0	172.2

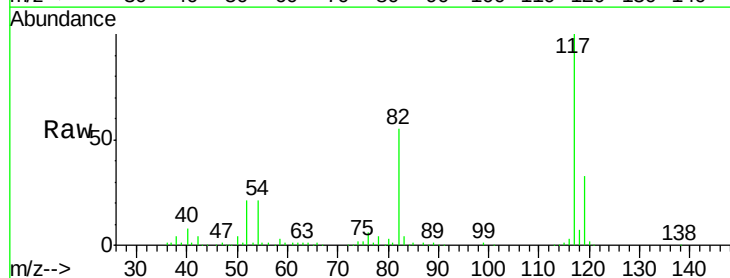


Abundance Ion 94.90 (94.60 to 95.60): VW
Ion 173.80 (173.50 to 174.50): VW
Ion 175.80 (175.50 to 176.50): VW

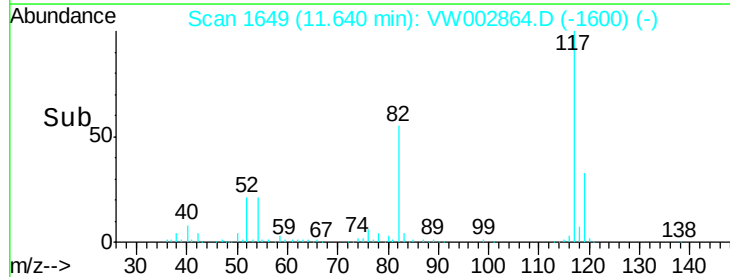
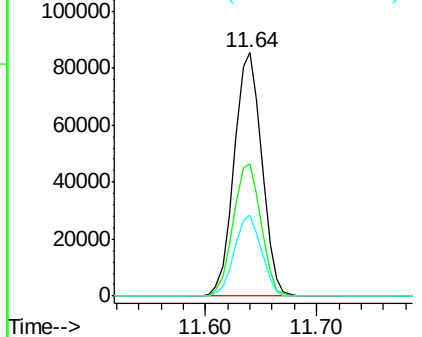


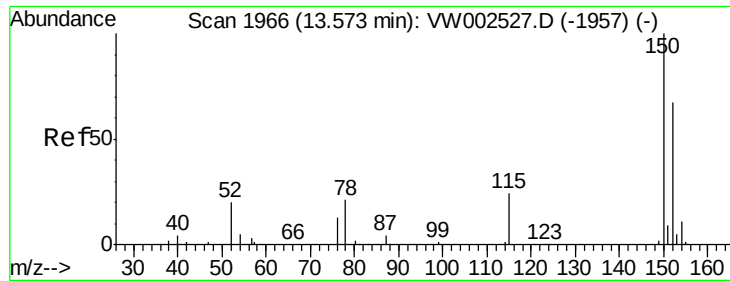
#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 11.64 min Scan# 1649
Delta R.T. -0.00 min
Lab File: VW002864.D
Acq: 25 May 2018 01:00

Tgt Ion	Ratio	Lower	Upper
117	100		
82	54.6	42.6	64.0
119	33.2	25.0	37.6



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





#72

1,4-Dichlorobenzene-d4

Concen: 50.00 ug/l

RT: 13.57 min Scan# 1965

Delta R.T. -0.01 min

Lab File: VW002864.D

Acq: 25 May 2018 01:00

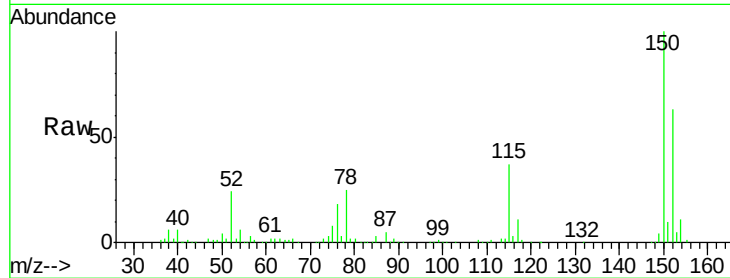
Tot Ion:152 Resp: 42212

Ion Ratio Lower Upper

152 100

115 57.1 28.0 84.0

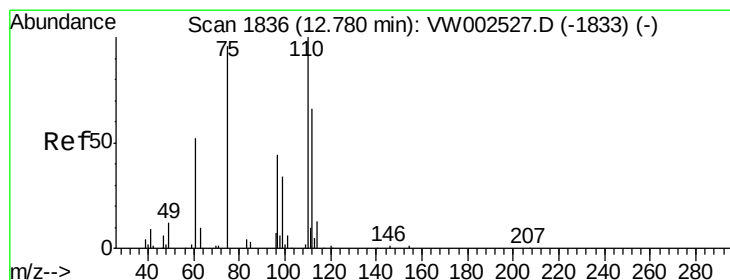
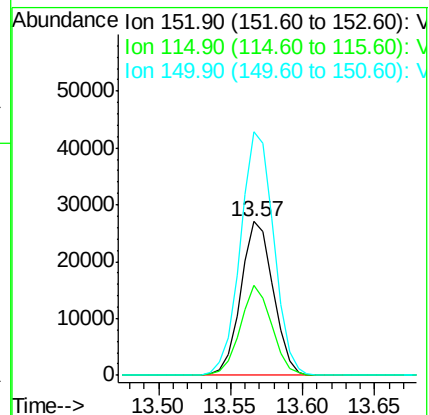
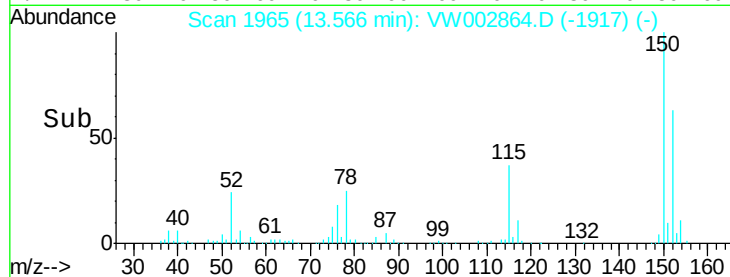
150 163.1 0.0 345.4



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: 79.91 ug/l

RT: 12.63 min Scan# 1811

Delta R.T. -0.15 min

Lab File: VW002864.D

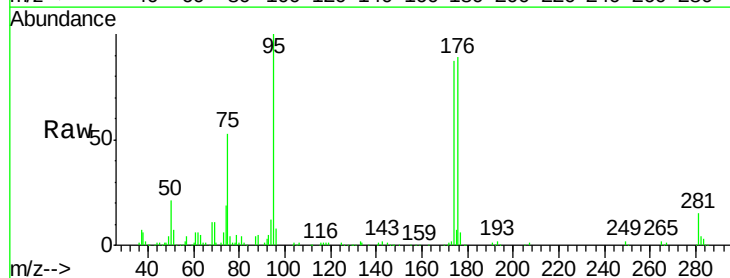
Acq: 25 May 2018 01:00

Tgt Ion: 75 Resp: 31884

Ion Ratio Lower Upper

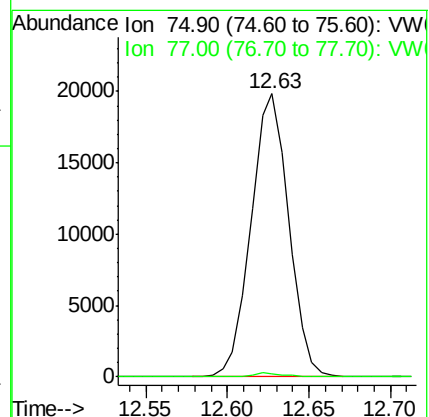
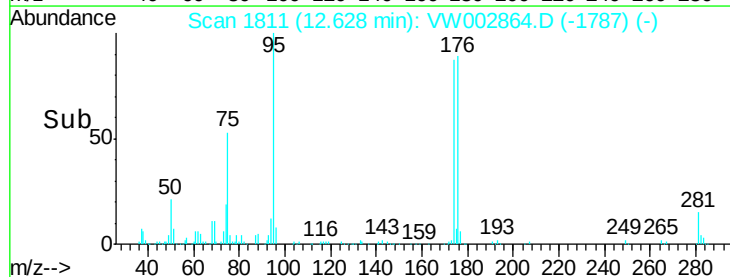
75 100

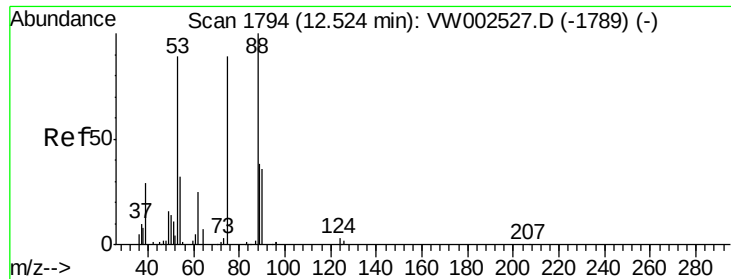
77 1.0 0.0 0.0#



Abundance Ion 74.90 (74.60 to 75.60): VW

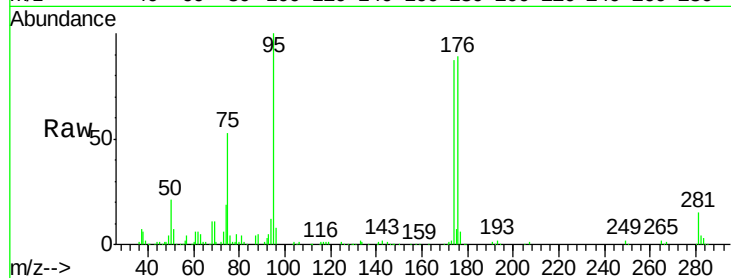
Ion 77.00 (76.70 to 77.70): VW





#81
 trans-1,4-Dichloro-2-butene
 Concen: 217.86 ug/l
 RT: 12.63 min Scan# 1811
 Delta R.T. 0.10 min
 Lab File: VW002864.D
 Acq: 25 May 2018 01:00

Tot Ion	Ratio	Lower	Upper
75	100		
53	0.0	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

