

Data Path : W:\HPCHEM1\MSVOA_W\DATA\VW052518\
 Data File : VW002887.D
 Acq On : 25 May 2018 21:18
 Operator : JC/SY
 Sample : J3023-02RE
 Misc : 3.60G/5ML/MSVOA_W/SOIL
 ALS Vial : 21 Sample Multiplier: 1

Quant Time: May 26 00:44:18 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	130690	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	210986	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.64	117	202213	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.57	152	101991	50.00	ug/l	0.00

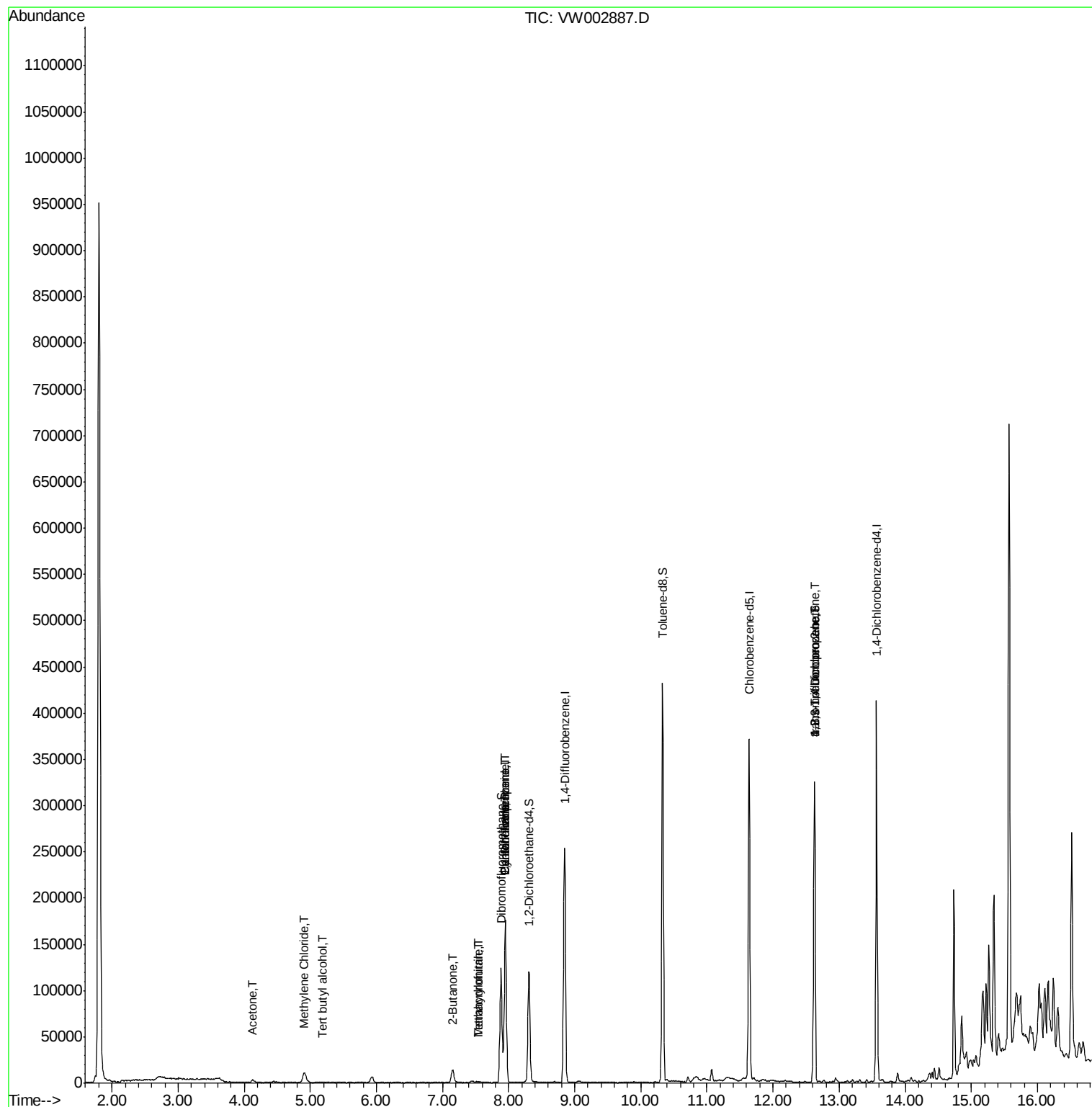
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.31	65	98000	72.57	ug/l	0.00
Spiked Amount	50.000		Recovery	=	145.14%	
35) Dibromofluoromethane	7.88	113	81737	61.07	ug/l	0.00
Spiked Amount	50.000		Recovery	=	122.14%	
50) Toluene-d8	10.33	98	277070	54.41	ug/l	0.00
Spiked Amount	50.000		Recovery	=	108.82%	
62) 4-Bromofluorobenzene	12.63	95	94885	50.96	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.92%	

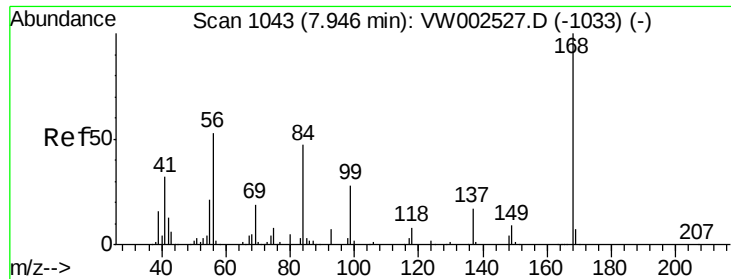
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
11) Tert butyl alcohol	5.19	59	206	1.98	ug/l	97
16) Acetone	4.14	43	4290	15.05	ug/l	93
20) Methylene Chloride	4.90	84	8068	4.62	ug/l	95
25) 2-Butanone	7.15	43	940	2.33	ug/l	91
29) Tetrahydrofuran	7.54	42	736	2.92	ug/l #	39
31) Cyclohexane	7.95	56	3266	1.70	ug/l #	14
36) 1,1-Dichloropropene	7.95	75	10151	5.45	ug/l #	50
38) Carbon Tetrachloride	7.95	117	12647	6.94	ug/l #	17
41) Methacrylonitrile	7.54	41	662	1.28	ug/l #	49
76) 1,2,3-Trichloropropane	12.63	75	51566	53.49	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.63	75	51566	145.83	ug/l #	8

(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 7.95 min Scan# 1044

Delta R.T. 0.01 min

Lab File: VW002887.D

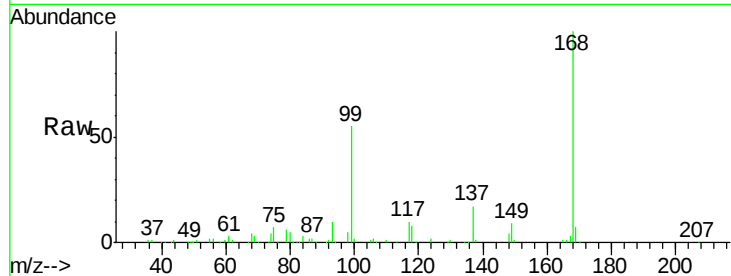
Acq: 25 May 2018 21:18

Tgt Ion: 168 Resp: 130690

Ion Ratio Lower Upper

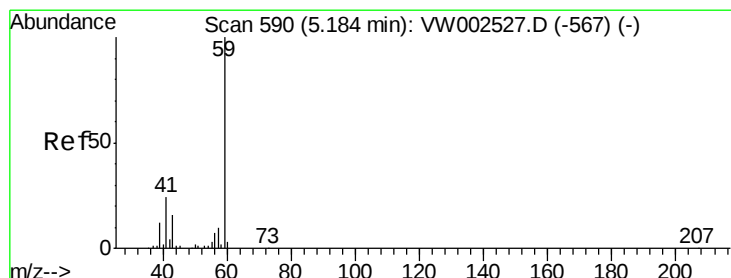
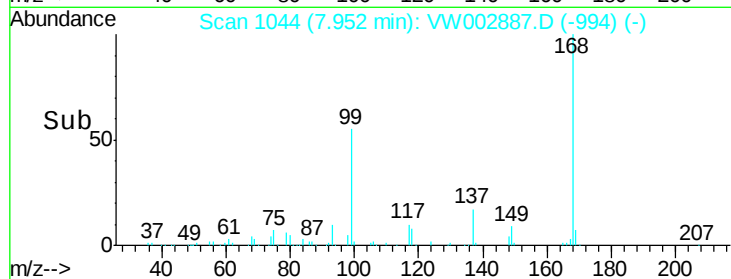
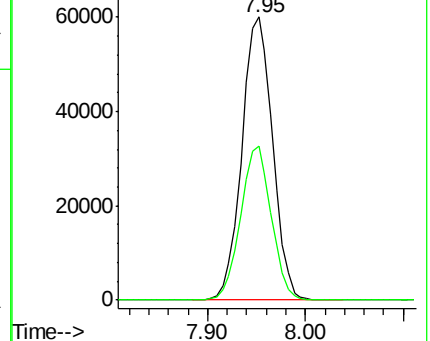
168 100

99 54.6 42.6 64.0



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW



#11

Tert butyl alcohol

Concen: 1.98 ug/l

RT: 5.19 min Scan# 591

Delta R.T. 0.01 min

Lab File: VW002887.D

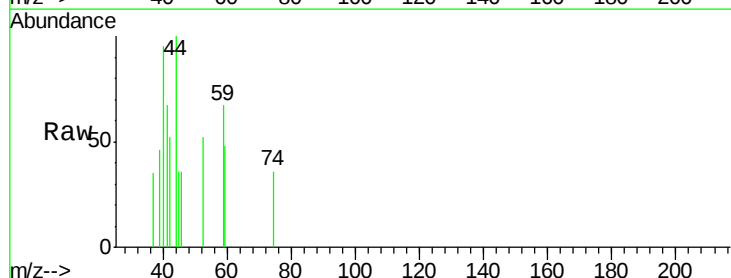
Acq: 25 May 2018 21:18

Tgt Ion: 59 Resp: 206

Ion Ratio Lower Upper

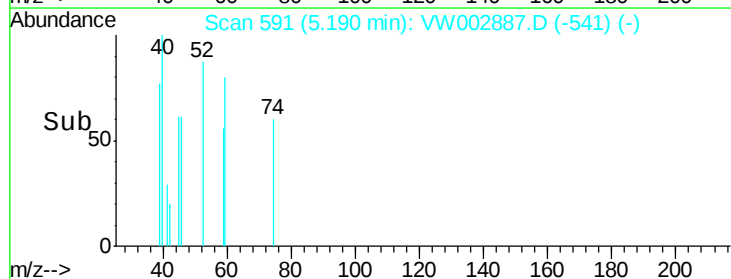
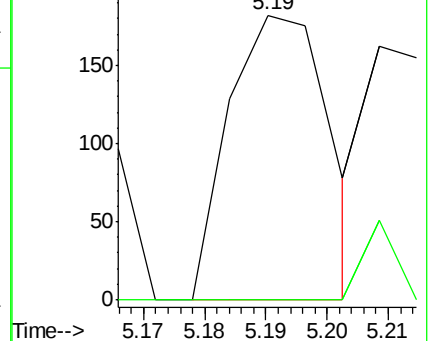
59 100

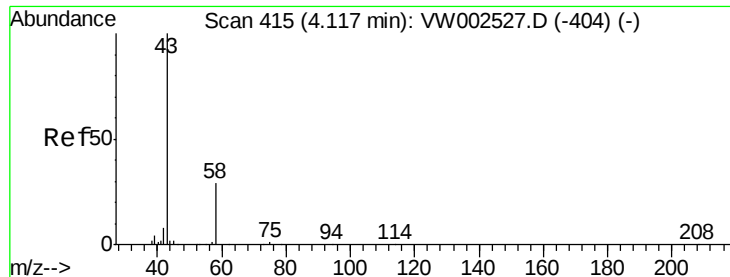
57 9.2 8.2 12.4



Abundance Ion 59.00 (58.70 to 59.70): VW

Ion 57.00 (56.70 to 57.70): VW





#16

Acetone

Concen: 15.05 ug/l

RT: 4.14 min Scan# 418

Delta R.T. 0.02 min

Lab File: VW002887.D

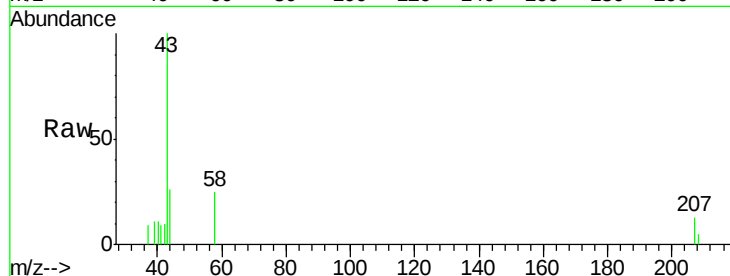
Acq: 25 May 2018 21:18

Tgt Ion: 43 Resp: 4290

Ion Ratio Lower Upper

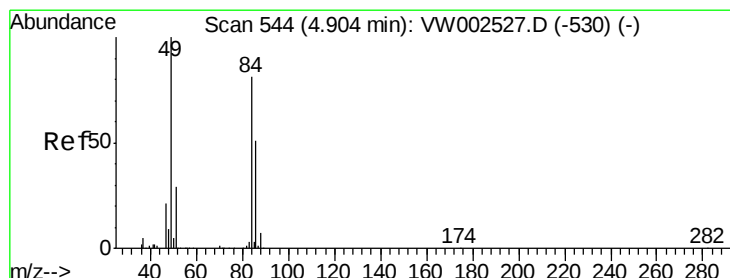
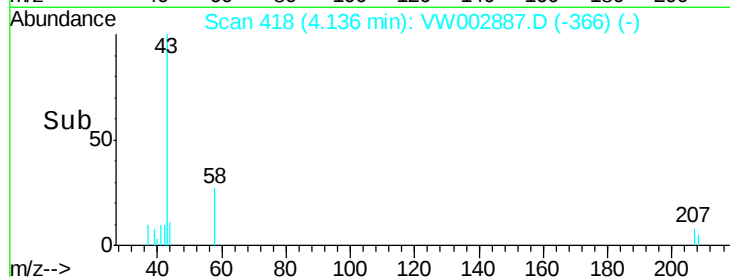
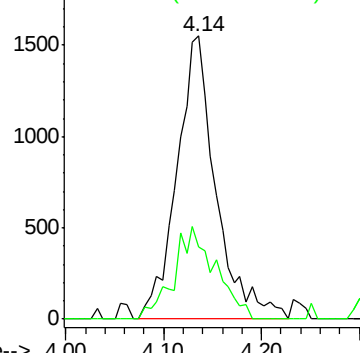
43 100

58 25.3 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: 4.62 ug/l

RT: 4.90 min Scan# 544

Delta R.T. 0.00 min

Lab File: VW002887.D

Acq: 25 May 2018 21:18

Tgt Ion: 84 Resp: 8068

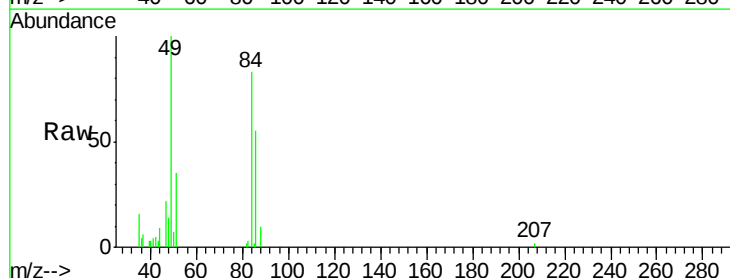
Ion Ratio Lower Upper

84 100

49 119.9 99.4 149.0

51 42.3 29.0 43.6

86 65.9 50.3 75.5

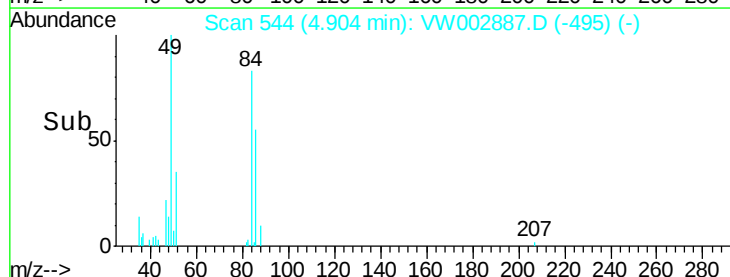
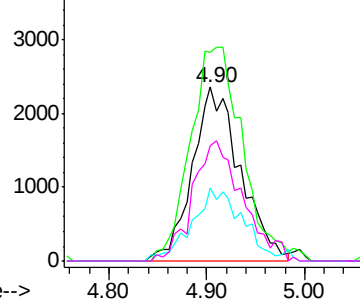


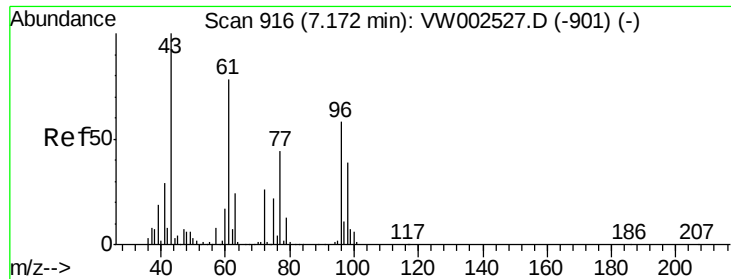
Abundance Ion 83.90 (83.60 to 84.60): VW

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: 2.33 ug/l

RT: 7.15 min Scan# 913

Delta R.T. -0.02 min

Lab File: VW002887.D

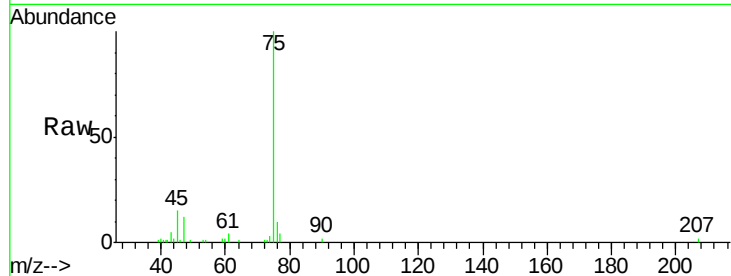
Acq: 25 May 2018 21:18

Tgt Ion: 43 Resp: 940

Ion Ratio Lower Upper

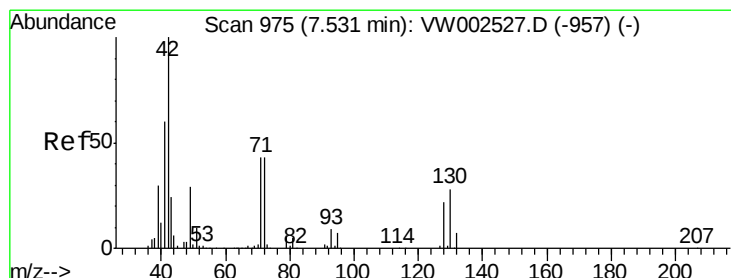
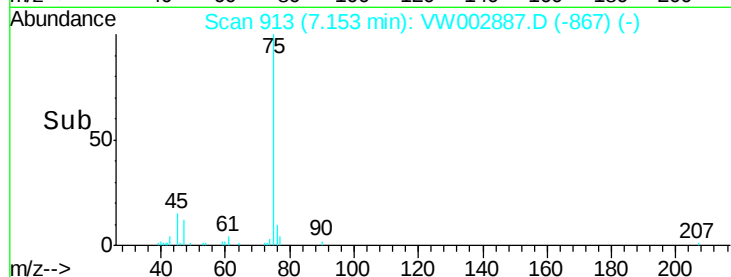
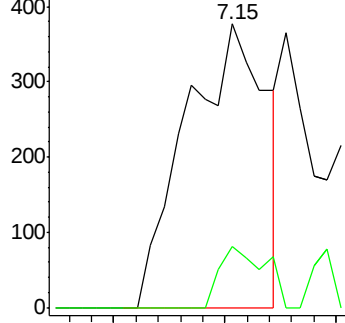
43 100

72 21.5 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: 2.92 ug/l

RT: 7.54 min Scan# 977

Delta R.T. 0.01 min

Lab File: VW002887.D

Acq: 25 May 2018 21:18

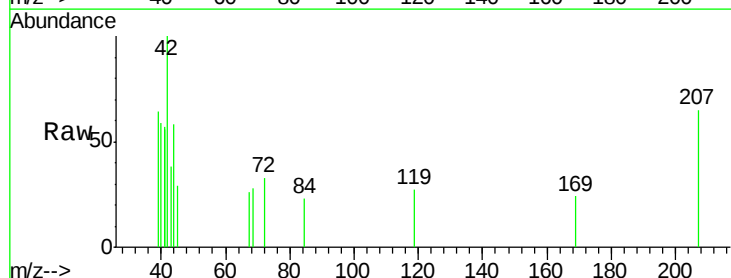
Tgt Ion: 42 Resp: 736

Ion Ratio Lower Upper

42 100

72 4.1 35.0 52.4#

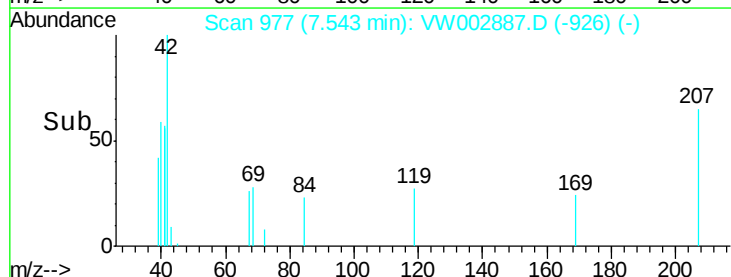
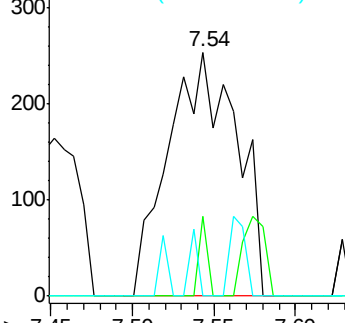
71 3.4 33.0 49.6#

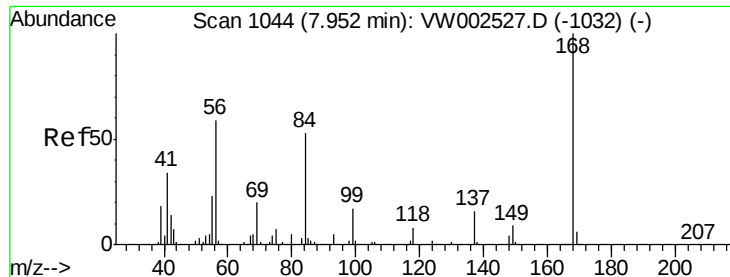


Abundance Ion 42.00 (41.70 to 42.70): VW

Ion 72.00 (71.70 to 72.70): VW

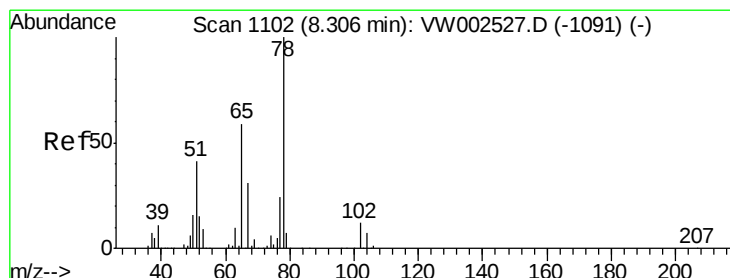
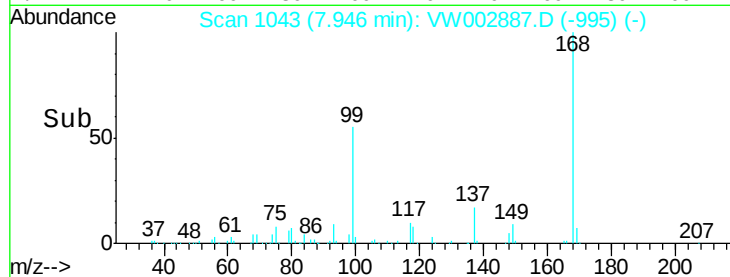
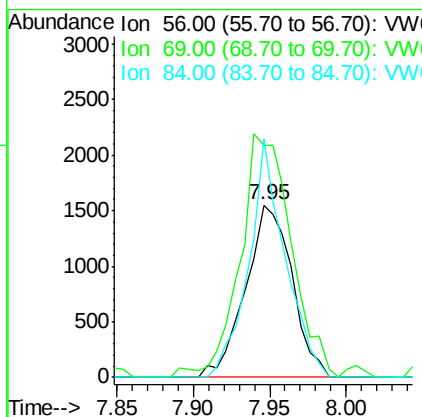
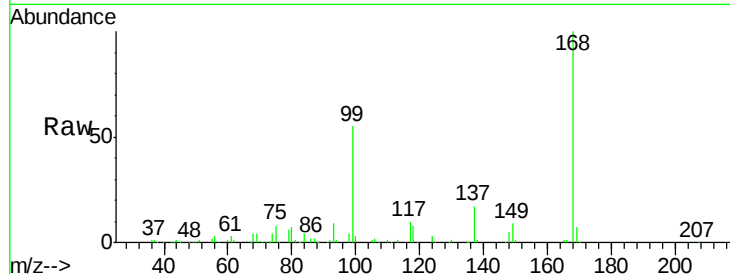
Ion 71.00 (70.70 to 71.70): VW





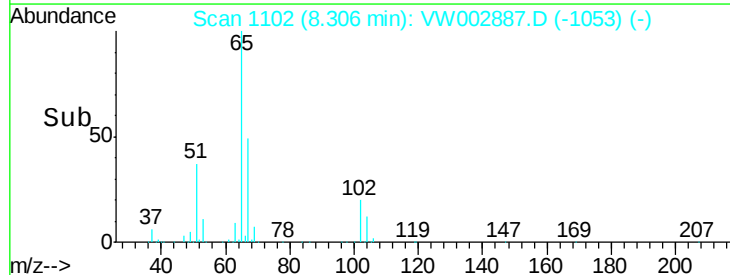
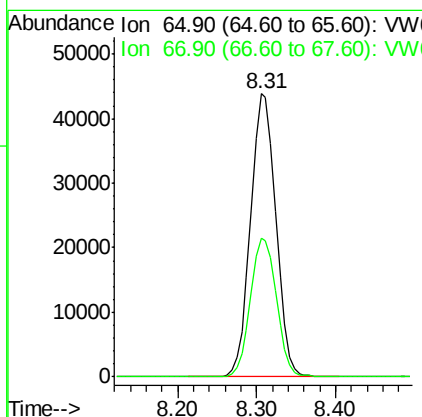
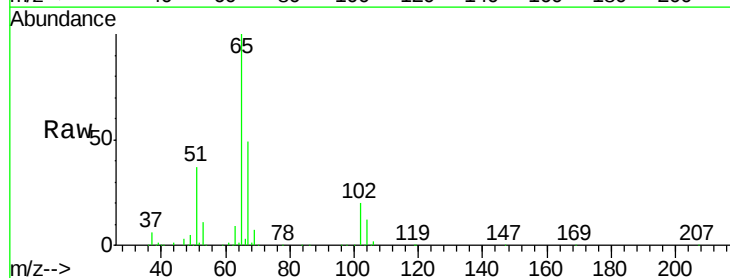
#31
Cyclohexane
Concen: 1.70 ug/l
RT: 7.95 min Scan# 1043
Delta R.T. -0.01 min
Lab File: VW002887.D
Acq: 25 May 2018 21:18

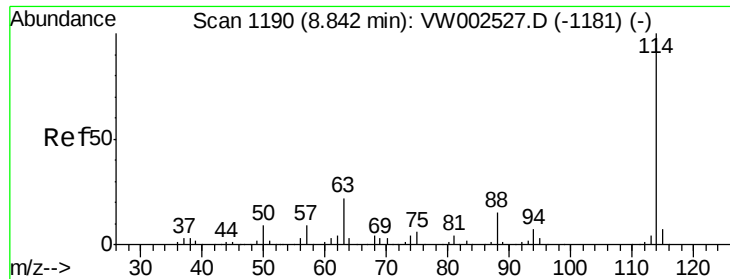
Tgt Ion: 56 Resp: 3266
Ion Ratio Lower Upper
56 100
69 135.2 27.0 40.4#
84 139.0 72.2 108.2#



#33
1,2-Dichloroethane-d4
Concen: 72.57 ug/l
RT: 8.31 min Scan# 1102
Delta R.T. 0.00 min
Lab File: VW002887.D
Acq: 25 May 2018 21:18

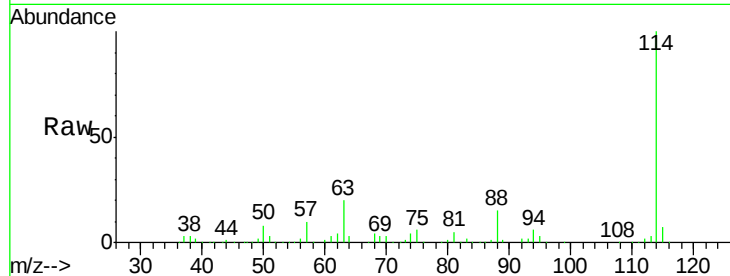
Tgt Ion: 65 Resp: 98000
Ion Ratio Lower Upper
65 100
67 50.4 0.0 104.4





#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 8.84 min Scan# 1190
 Delta R.T. -0.00 min
 Lab File: VW002887.D
 Acq: 25 May 2018 21:18

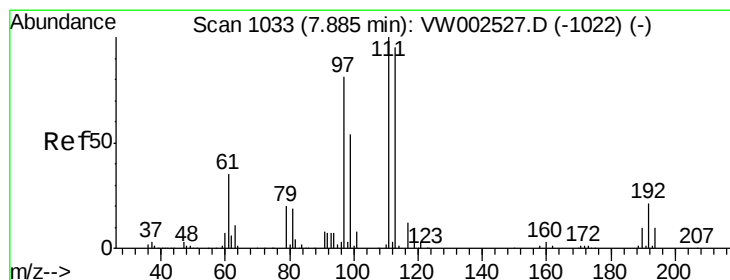
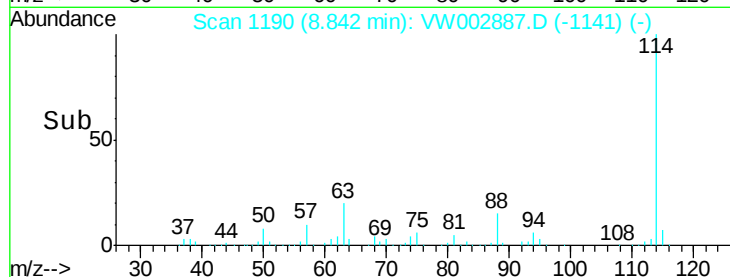
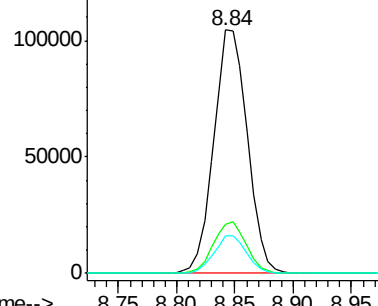
Tgt Ion	Ratio	Lower	Upper
114	100		
63	20.2	0.0	43.2
88	15.2	0.0	29.2



Abundance Ion 113.90 (113.60 to 114.60): V

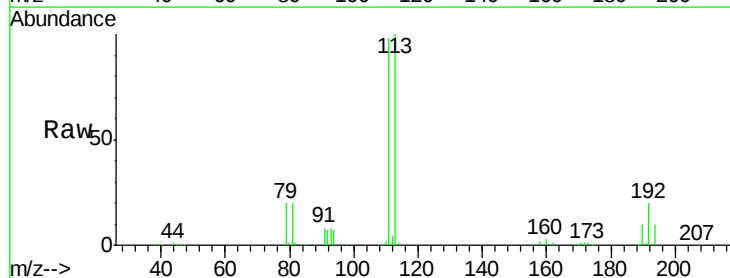
Ion 63.00 (62.70 to 63.70): VW

Ion 87.90 (87.60 to 88.60): VW



#35
 Dibromofluoromethane
 Concen: 61.07 ug/l
 RT: 7.88 min Scan# 1033
 Delta R.T. -0.00 min
 Lab File: VW002887.D
 Acq: 25 May 2018 21:18

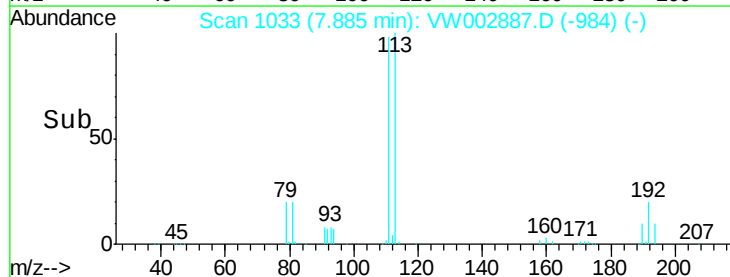
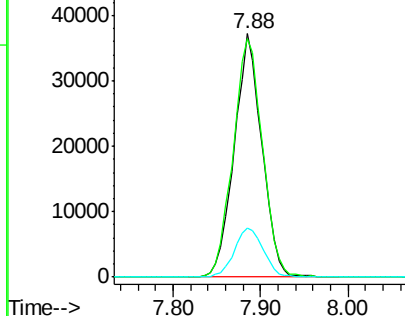
Tgt Ion	Ratio	Lower	Upper
113	100		
111	103.5	81.8	122.8
192	21.2	17.5	26.3

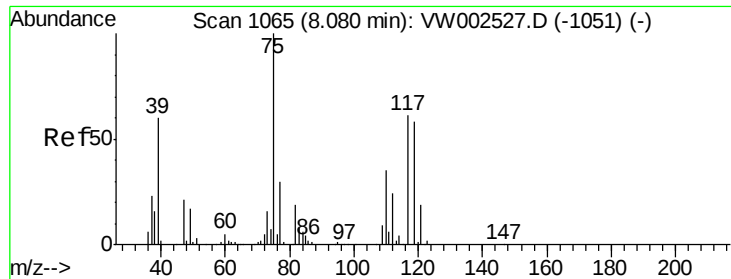


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V





#36

1,1-Dichloropropene

Concen: 5.45 ug/l

RT: 7.95 min Scan# 1043

Delta R.T. -0.13 min

Lab File: VW002887.D

Acq: 25 May 2018 21:18

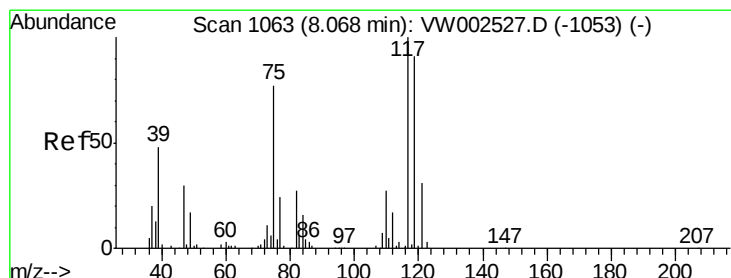
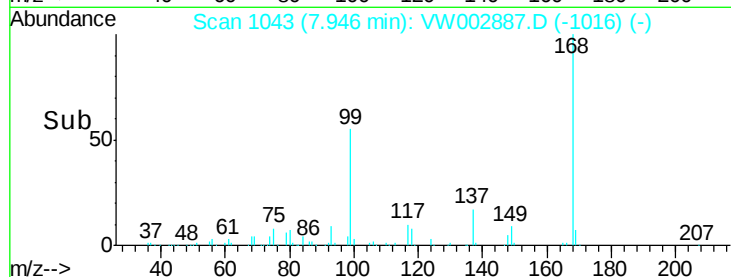
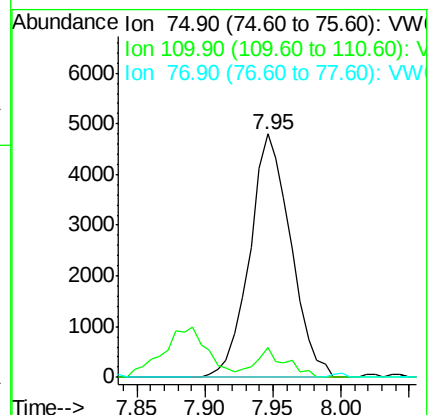
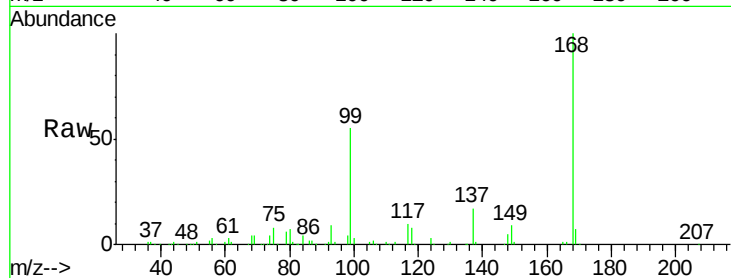
Tgt Ion: 75 Resp: 10151

Ion Ratio Lower Upper

75 100

110 9.1 17.8 53.5#

77 0.0 24.5 36.7#



#38

Carbon Tetrachloride

Concen: 6.94 ug/l

RT: 7.95 min Scan# 1044

Delta R.T. -0.12 min

Lab File: VW002887.D

Acq: 25 May 2018 21:18

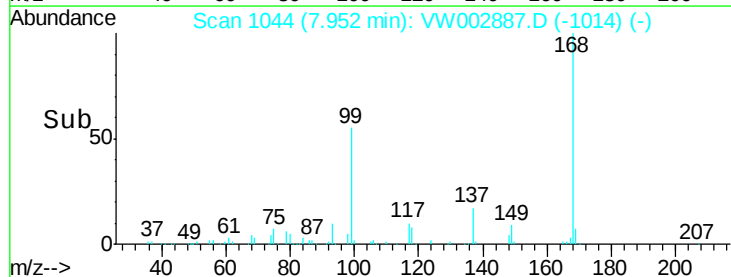
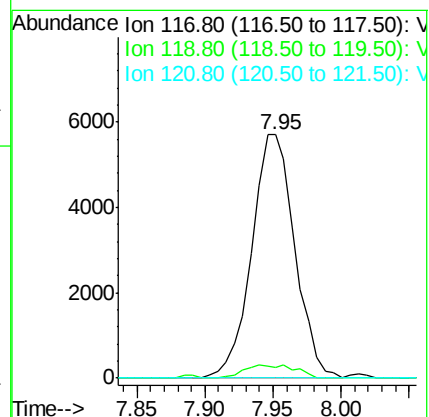
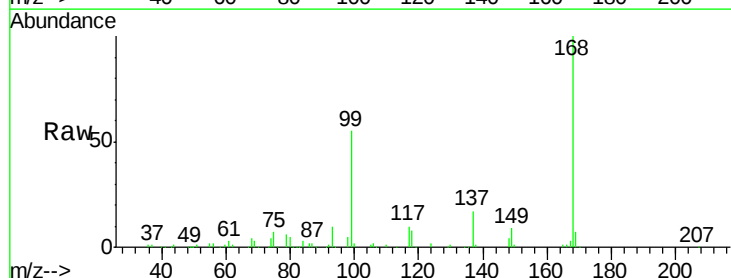
Tgt Ion: 117 Resp: 12647

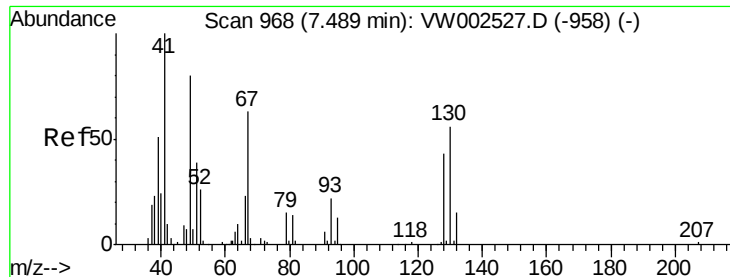
Ion Ratio Lower Upper

117 100

119 4.3 73.1 109.7#

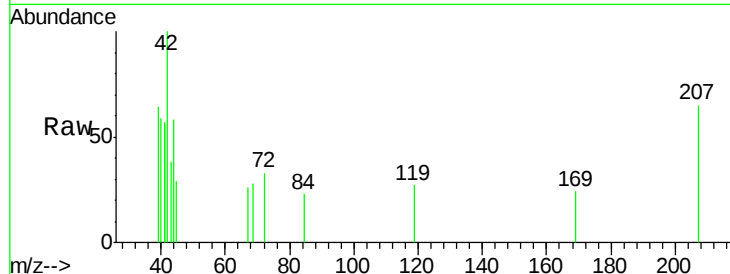
121 0.0 24.4 36.6#



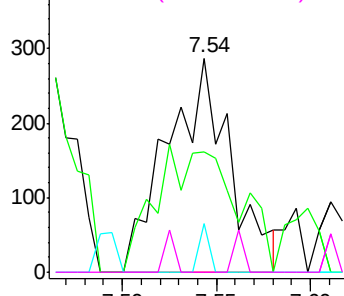


#41
Methacrylonitrile
Concen: 1.28 ug/l
RT: 7.54 min Scan# 977
Delta R.T. 0.05 min
Lab File: VW002887.D
Acq: 25 May 2018 21:18

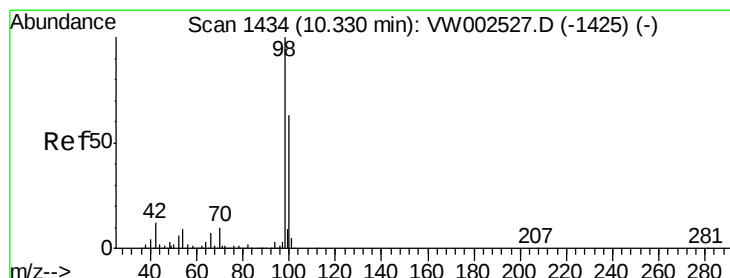
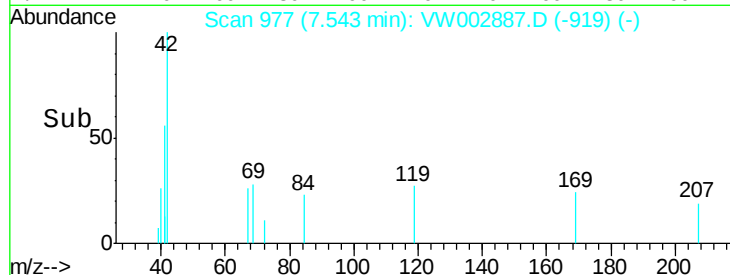
Tgt Ion:	41	Resp:	662
Ion	Ratio	Lower	Upper
41	100		
39	75.1	51.8	77.8
67	3.6	59.9	89.9#
52	3.2	26.6	39.8#



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

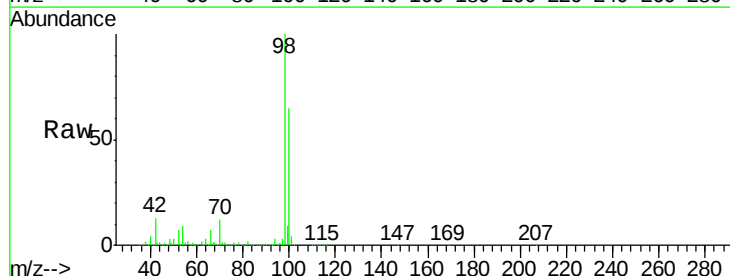


Time-->

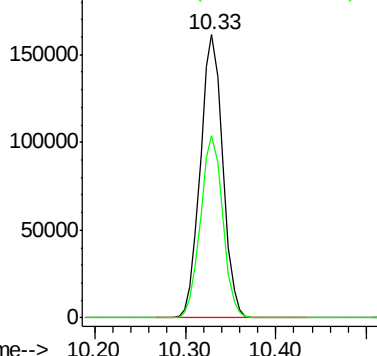


#50
Toluene-d8
Concen: 54.41 ug/l
RT: 10.33 min Scan# 1434
Delta R.T. -0.00 min
Lab File: VW002887.D
Acq: 25 May 2018 21:18

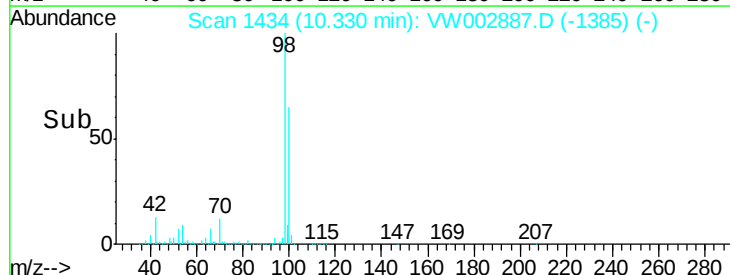
Tgt Ion:	98	Resp:	277070
Ion	Ratio	Lower	Upper
98	100		
100	63.6	51.0	76.4

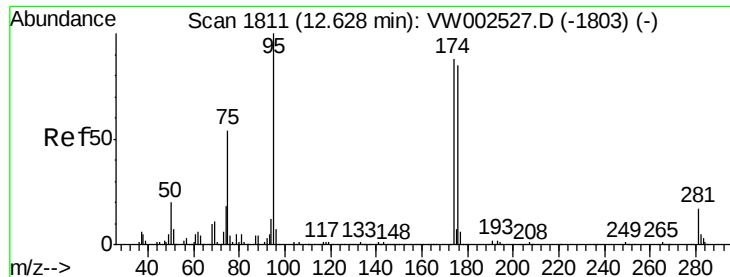


Abundance Ion 98.00 (97.70 to 98.70): VW
Ion 100.00 (99.70 to 100.70): VW



Time-->





#62

4-Bromofluorobenzene

Concen: 50.96 ug/l

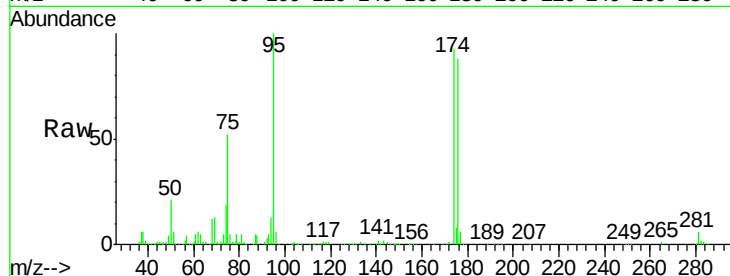
RT: 12.63 min Scan# 1811

Delta R.T. -0.00 min

Lab File: VW002887.D

Acq: 25 May 2018 21:18

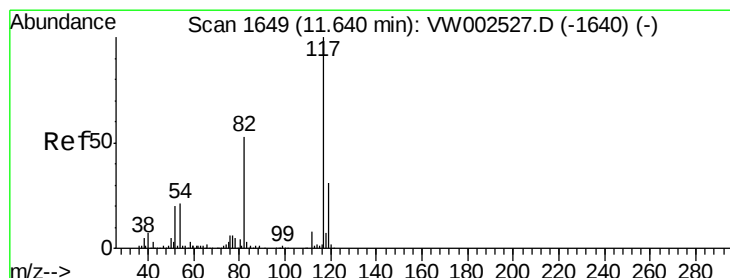
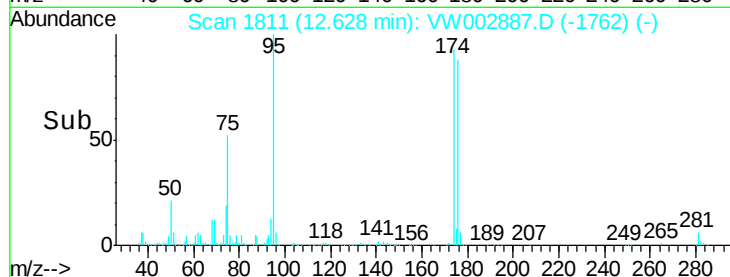
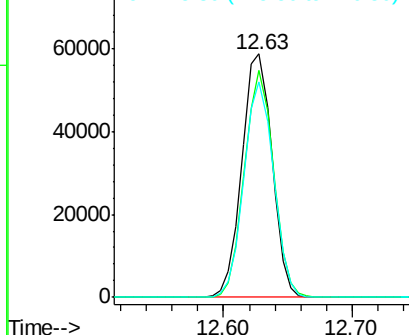
Tgt Ion:	95	Resp:	94885
Ion	Ratio	Lower	Upper
95	100		
174	90.0	0.0	176.6
176	87.2	0.0	172.2



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

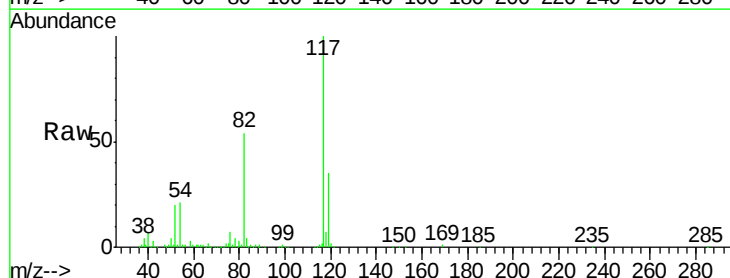
RT: 11.64 min Scan# 1649

Delta R.T. 0.00 min

Lab File: VW002887.D

Acq: 25 May 2018 21:18

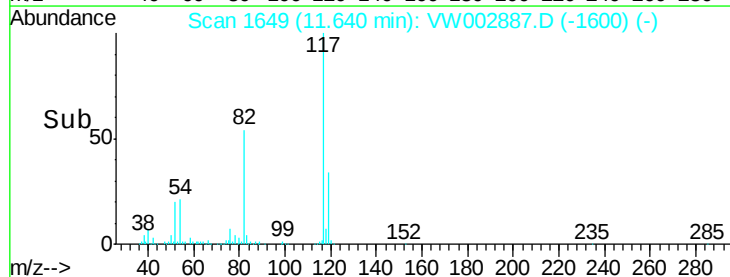
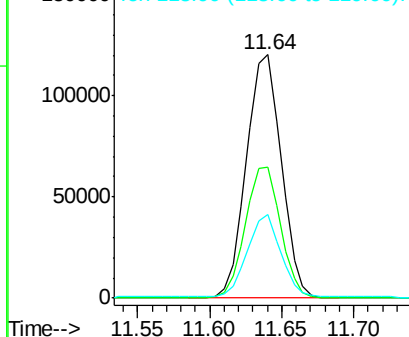
Tgt Ion:	117	Resp:	202213
Ion	Ratio	Lower	Upper
117	100		
82	53.6	42.6	64.0
119	33.9	25.0	37.6

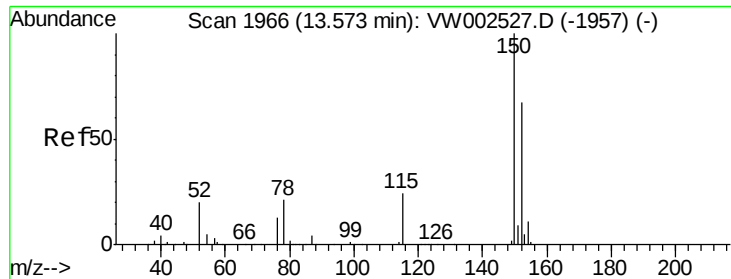


Abundance Ion 116.90 (116.60 to 117.60): VW

Ion 82.00 (81.70 to 82.70): VW

Ion 118.90 (118.60 to 119.60): VW

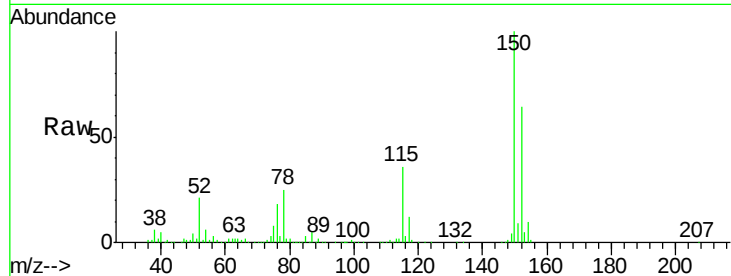




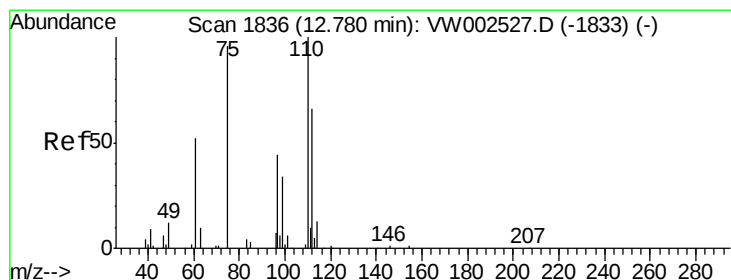
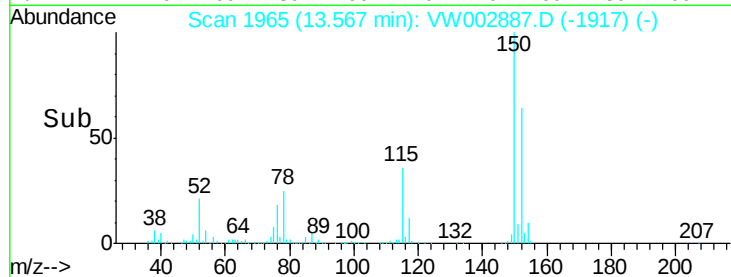
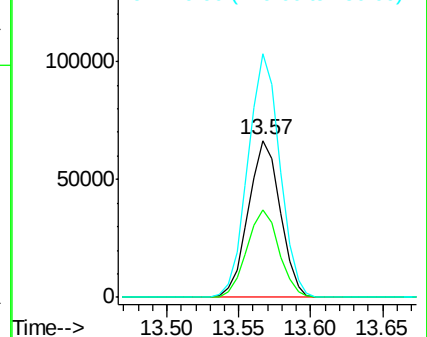
#72

1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 13.57 min Scan# 1965
Delta R.T. -0.01 min
Lab File: VW002887.D
Acq: 25 May 2018 21:18

Tgt Ion	Ratio	Lower	Upper
152	100		
115	56.3	28.0	84.0
150	155.0	0.0	345.4



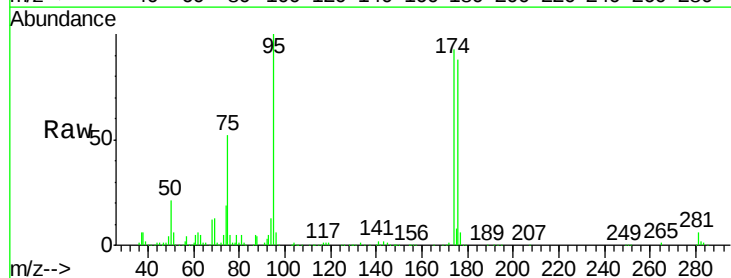
Abundance Ion 151.90 (151.60 to 152.60): V
Ion 114.90 (114.60 to 115.60): V
Ion 149.90 (149.60 to 150.60): V



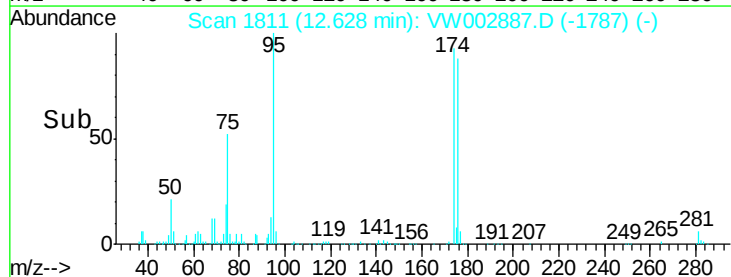
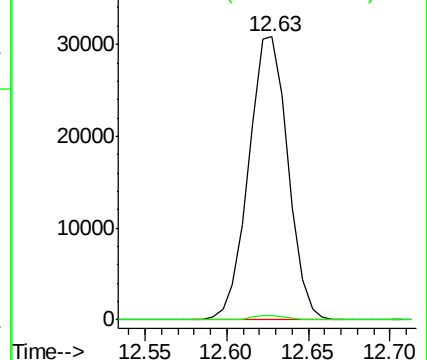
#76

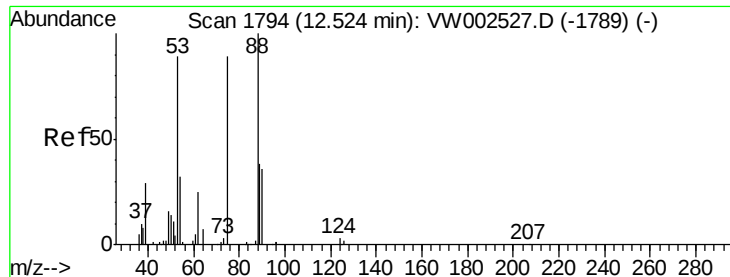
1,2,3-Trichloropropane
Concen: 53.49 ug/l
RT: 12.63 min Scan# 1811
Delta R.T. -0.15 min
Lab File: VW002887.D
Acq: 25 May 2018 21:18

Tgt Ion	Ratio	Lower	Upper
75	100		
77	1.3	0.0	0.0#



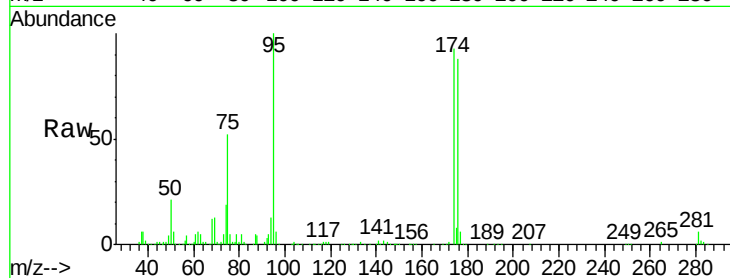
Abundance Ion 74.90 (74.60 to 75.60): VW
Ion 77.00 (76.70 to 77.70): VW





#81
 trans-1,4-Dichloro-2-butene
 Concen: 145.83 ug/l
 RT: 12.63 min Scan# 1811
 Delta R.T. 0.10 min
 Lab File: VW002887.D
 Acq: 25 May 2018 21:18

Tgt 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

