

Data Path : W:\HPCHEM1\MSVOA_W\DATA\VW052518\
 Data File : VW002886.D
 Acq On : 25 May 2018 20:52
 Operator : JC/SY
 Sample : J3023-01RE
 Misc : 5.42G/5ML/MSVOA_W/SOIL
 ALS Vial : 20 Sample Multiplier: 1

Quant Time: May 26 00:43:51 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	99950	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.85	114	149599	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.64	117	110709	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.57	152	31553	50.00	ug/l	0.00

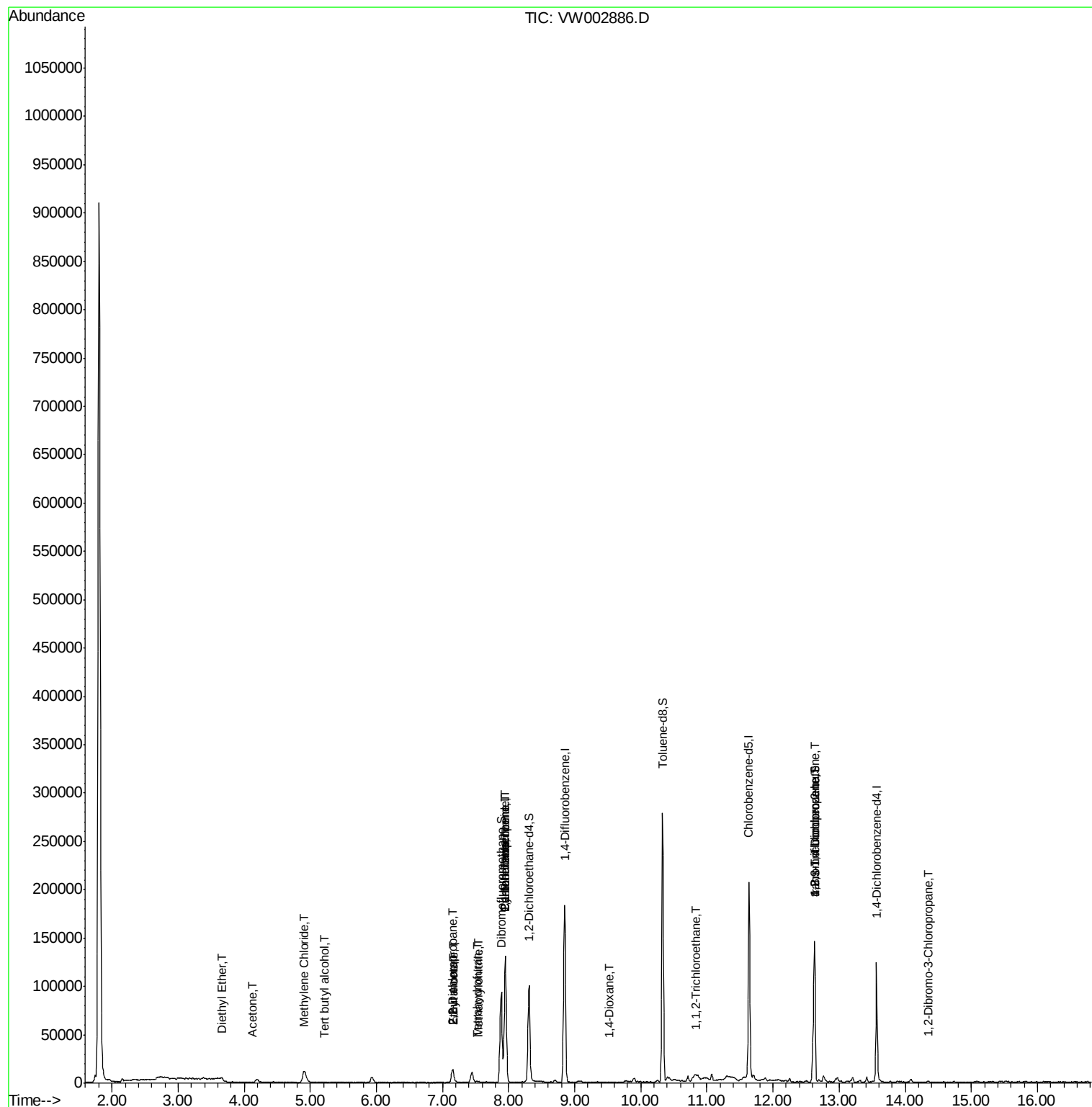
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.31	65	76269	73.84	ug/l	0.00
Spiked Amount	50.000		Recovery	=	147.68%	
35) Dibromofluoromethane	7.89	113	64938	68.42	ug/l	0.00
Spiked Amount	50.000		Recovery	=	136.84%	
50) Toluene-d8	10.33	98	180786	50.07	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.14%	
62) 4-Bromofluorobenzene	12.63	95	40991	31.05	ug/l	0.00
Spiked Amount	50.000		Recovery	=	62.10%	

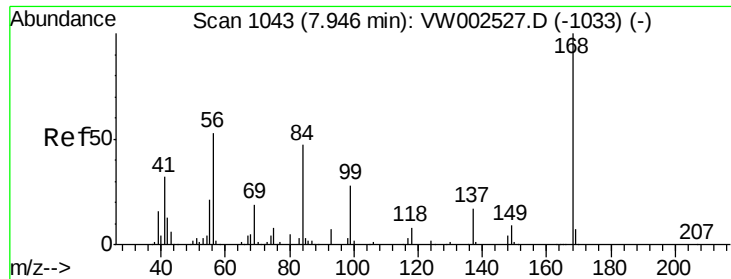
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
8) Diethyl Ether	3.67	74	646	1.06	ug/l #	47
11) Tert butyl alcohol	5.20	59	417	5.25	ug/l #	72
16) Acetone	4.12	43	1097	5.03	ug/l #	84
20) Methylene Chloride	4.91	84	10172	9.50	ug/l	95
25) 2-Butanone	7.17	43	1048	3.40	ug/l	99
26) 2,2-Dichloropropane	7.15	77	956	1.03	ug/l #	51
29) Tetrahydrofuran	7.53	42	664	3.45	ug/l #	85
31) Cyclohexane	7.95	56	2269	1.55	ug/l #	5
36) 1,1-Dichloropropene	7.95	75	8177	6.19	ug/l #	50
37) Ethyl Acetate	7.17	43	1048	1.60	ug/l #	85
38) Carbon Tetrachloride	7.95	117	9726	7.52	ug/l #	17
41) Methacrylonitrile	7.55	41	569	1.55	ug/l #	49
49) 1,4-Dioxane	9.51	88	20	2.18	ug/l #	23
55) 1,1,2-Trichloroethane	10.82	97	859	1.11	ug/l #	15
76) 1,2,3-Trichloropropane	12.63	75	21900	73.43	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.63	75	21900	200.19	ug/l #	8
92) 1,2-Dibromo-3-Chloropropan	14.34	75	157	2.26	ug/l #	1

(#) = 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: VW002886.D

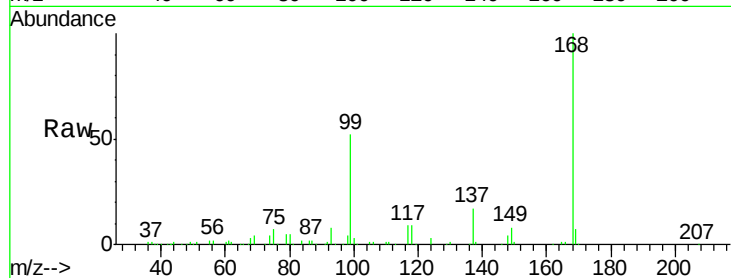
Acq: 25 May 2018 20:52

Tgt Ion: 168 Resp: 99950

Ion Ratio Lower Upper

168 100

99 51.8 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

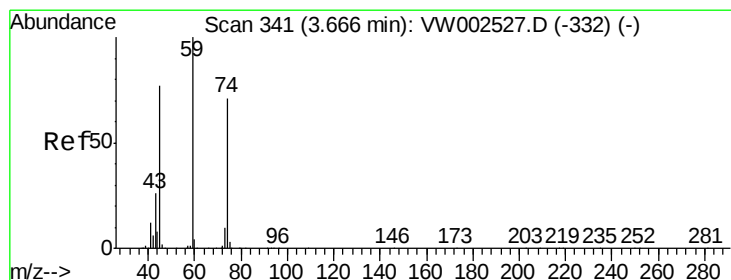
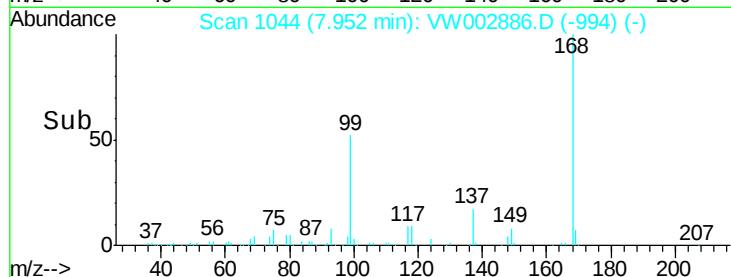
10000

0

Time-->

7.90

8.00



#8

Diethyl Ether

Concen: 1.06 ug/l

RT: 3.67 min Scan# 341

Delta R.T. -0.00 min

Lab File: VW002886.D

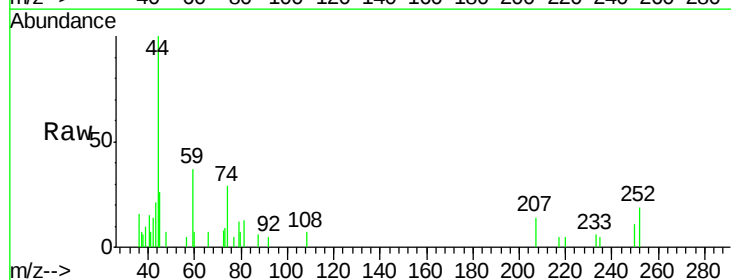
Acq: 25 May 2018 20:52

Tgt Ion: 74 Resp: 646

Ion Ratio Lower Upper

74 100

45 158.4 52.3 156.8#



Abundance Ion 74.00 (73.70 to 74.70): VW

Ion 45.00 (44.70 to 45.70): VW

3.67

400

300

200

100

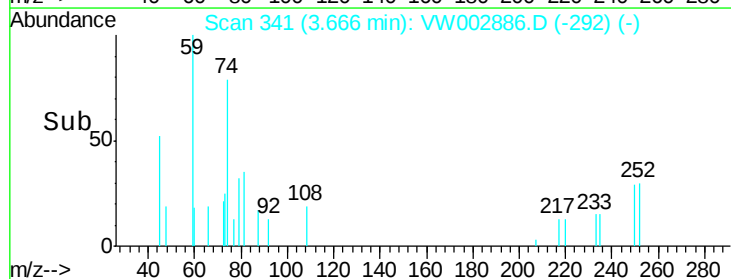
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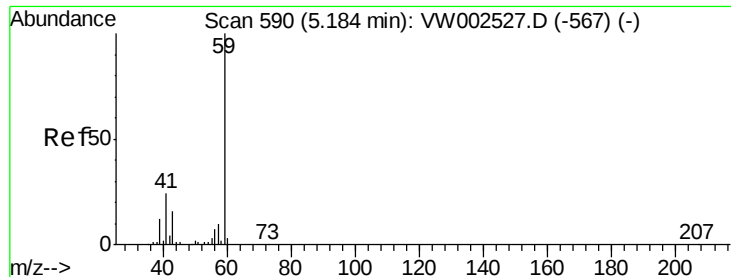
Time-->

3.60

3.65

3.70





#11

Tert butyl alcohol

Concen: 5.25 ug/l

RT: 5.20 min Scan# 593

Delta R.T. 0.02 min

Lab File: VW002886.D

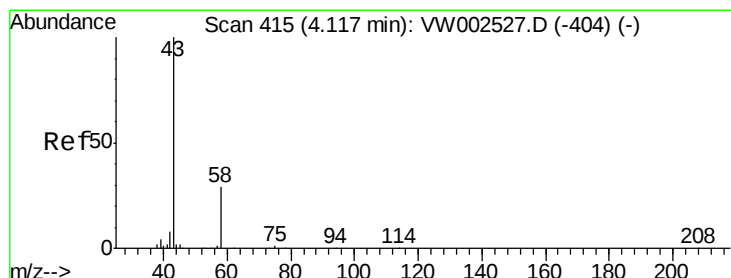
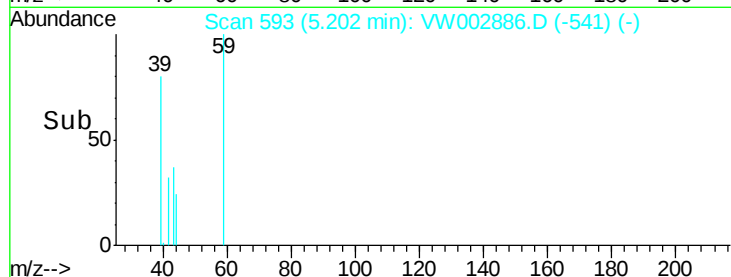
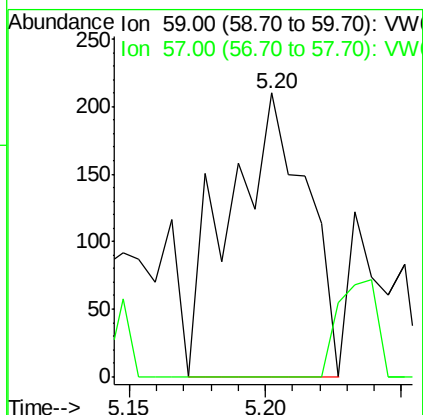
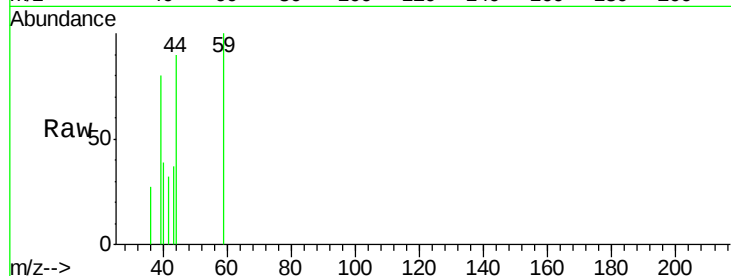
Acq: 25 May 2018 20:52

Tgt Ion: 59 Resp: 417

Ion Ratio Lower Upper

59 100

57 0.0 8.2 12.4#



#16

Acetone

Concen: 5.03 ug/l

RT: 4.12 min Scan# 415

Delta R.T. -0.00 min

Lab File: VW002886.D

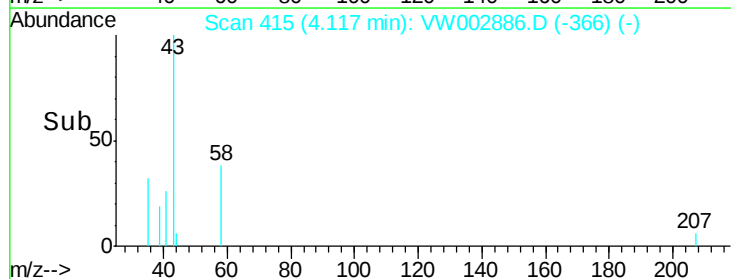
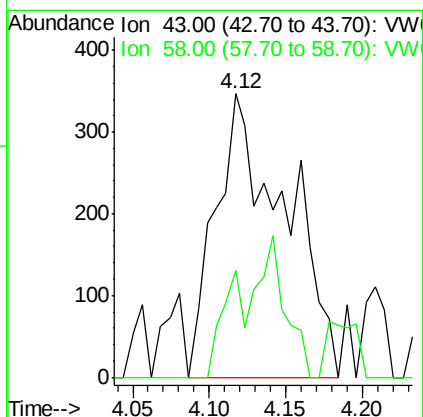
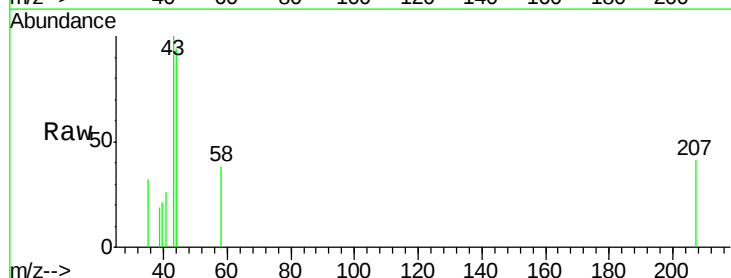
Acq: 25 May 2018 20:52

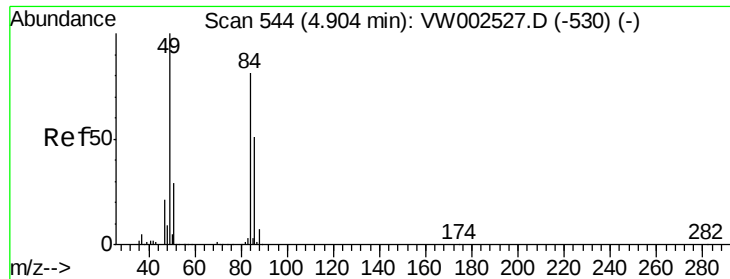
Tgt Ion: 43 Resp: 1097

Ion Ratio Lower Upper

43 100

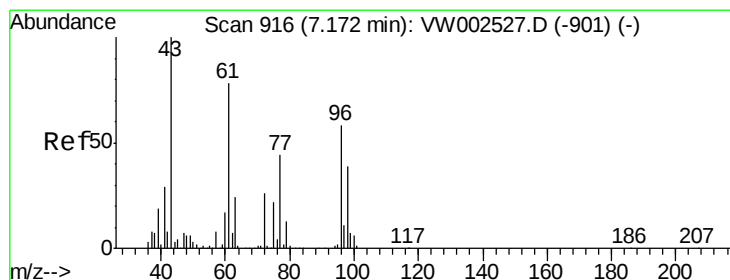
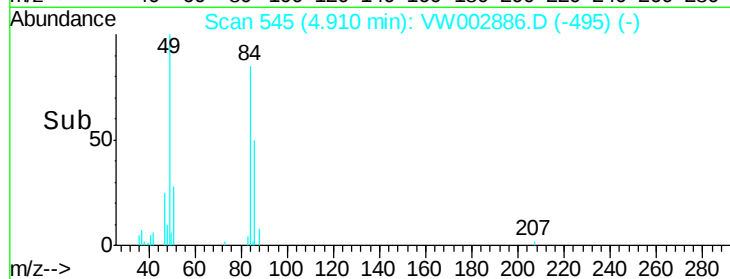
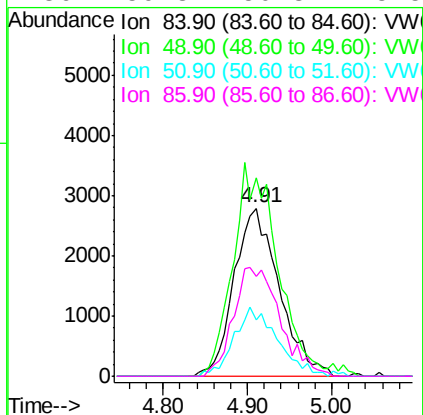
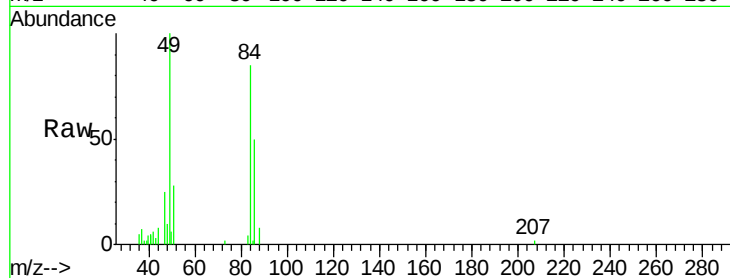
58 37.8 23.4 35.0#





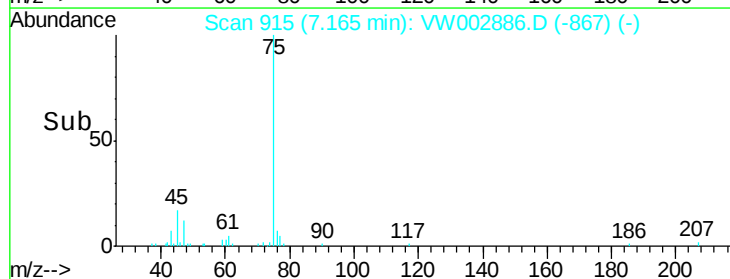
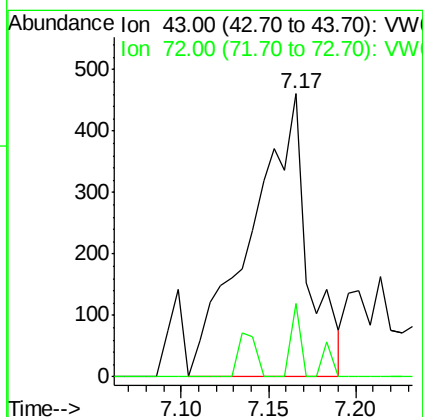
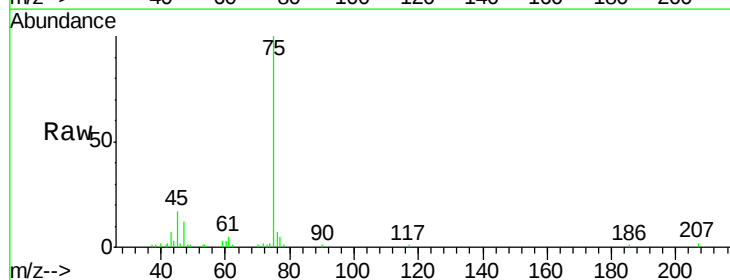
#20
Methylene Chloride
Concen: 9.50 ug/l
RT: 4.91 min Scan# 545
Delta R.T. 0.01 min
Lab File: VW002886.D
Acq: 25 May 2018 20:52

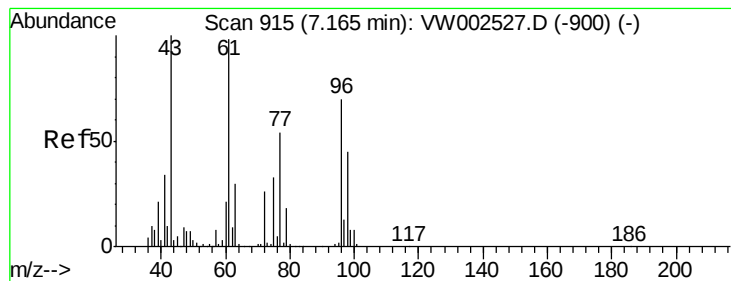
Tgt Ion:	84	Resp:	10172
Ion	Ratio	Lower	Upper
84	100		
49	118.3	99.4	149.0
51	33.7	29.0	43.6
86	59.3	50.3	75.5



#25
2-Butanone
Concen: 3.40 ug/l
RT: 7.17 min Scan# 915
Delta R.T. -0.01 min
Lab File: VW002886.D
Acq: 25 May 2018 20:52

Tgt Ion:	43	Resp:	1048
Ion	Ratio	Lower	Upper
43	100		
72	25.8	20.9	31.3





#26

2,2-Dichloropropane

Concen: 1.03 ug/l

RT: 7.15 min Scan# 912

Delta R.T. -0.02 min

Lab File: VW002886.D

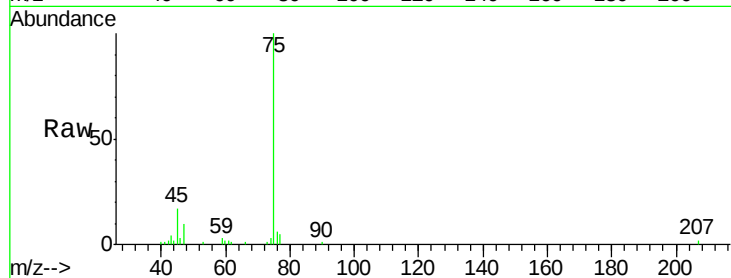
Acq: 25 May 2018 20:52

Tgt Ion: 77 Resp: 956

Ion Ratio Lower Upper

77 100

97 0.0 12.1 36.3#



Abundance Ion 76.90 (76.60 to 77.60): VW

Ion 96.90 (96.60 to 97.60): VW

7.15

400

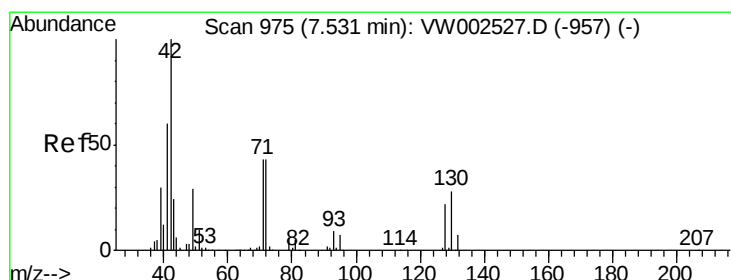
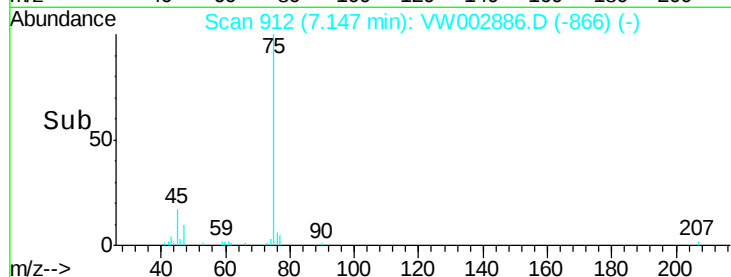
300

200

100

0

Time-->



#29

Tetrahydrofuran

Concen: 3.45 ug/l

RT: 7.53 min Scan# 974

Delta R.T. -0.01 min

Lab File: VW002886.D

Acq: 25 May 2018 20:52

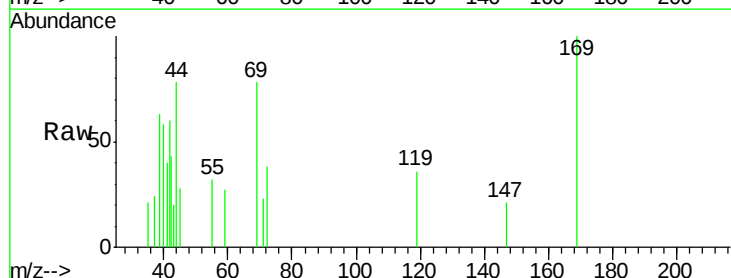
Tgt Ion: 42 Resp: 664

Ion Ratio Lower Upper

42 100

72 33.0 35.0 52.4#

71 33.1 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

400

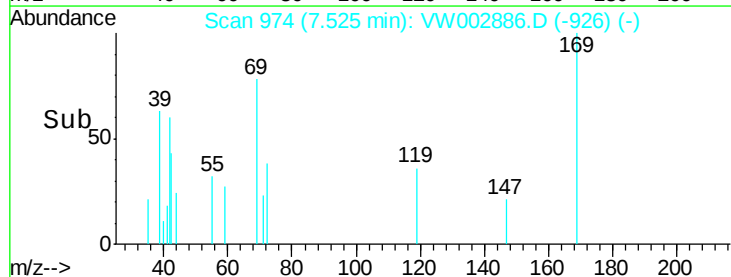
300

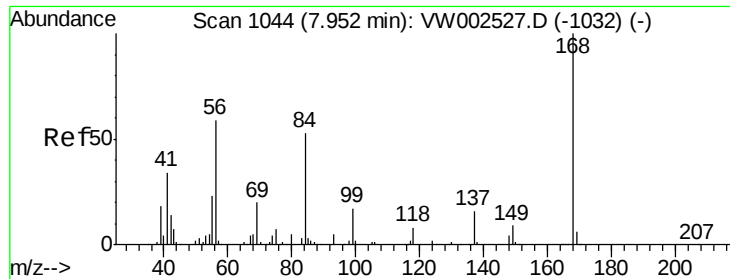
200

100

0

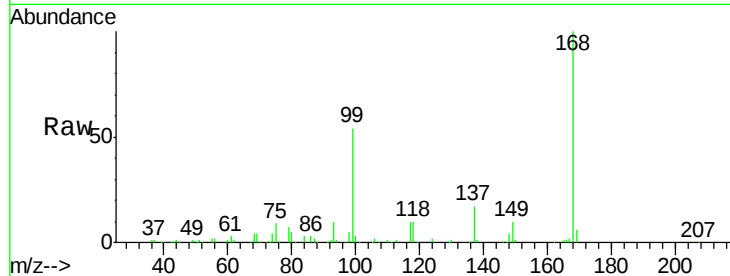
Time-->



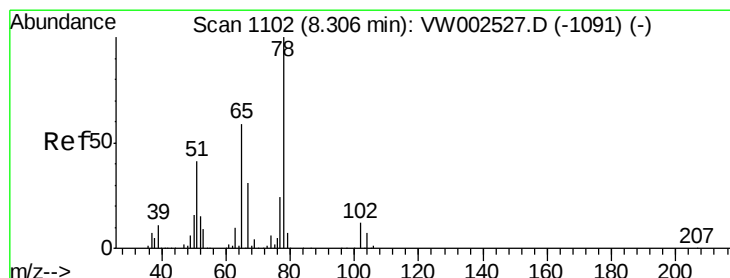
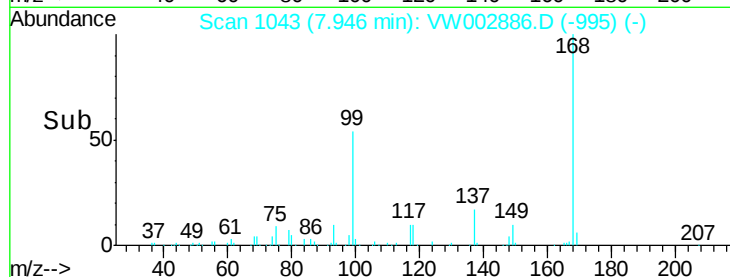
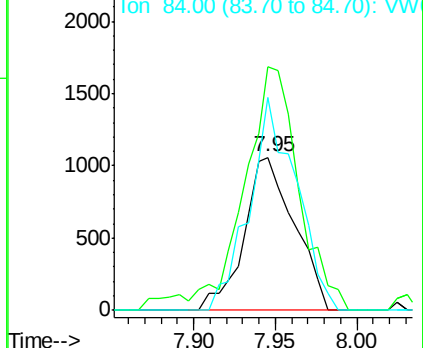


#31
Cyclohexane
Concen: 1.55 ug/l
RT: 7.95 min Scan# 1043
Delta R.T. -0.01 min
Lab File: VW002886.D
Acq: 25 May 2018 20:52

Tgt Ion: 56 Resp: 2269
Ion Ratio Lower Upper
56 100
69 152.9 27.0 40.4#
84 139.3 72.2 108.2#

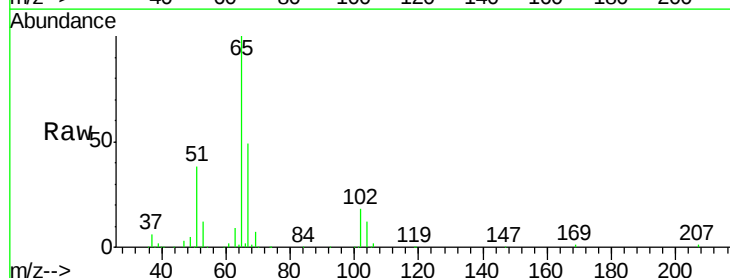


Abundance Ion 56.00 (55.70 to 56.70): VW
Ion 69.00 (68.70 to 69.70): VW
Ion 84.00 (83.70 to 84.70): VW

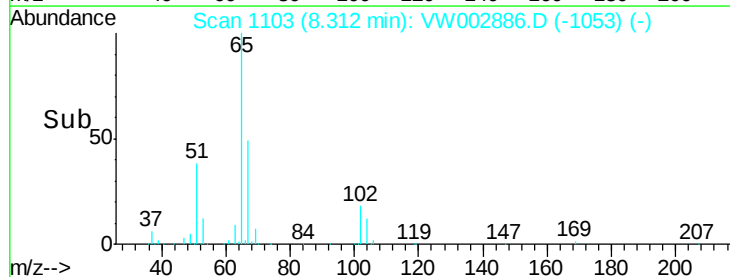
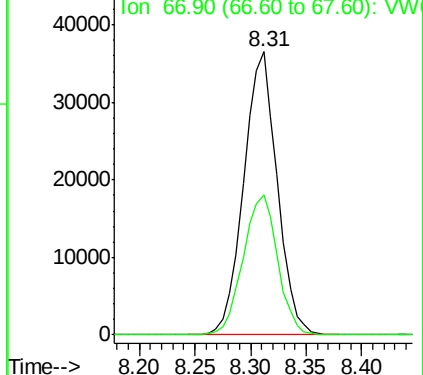


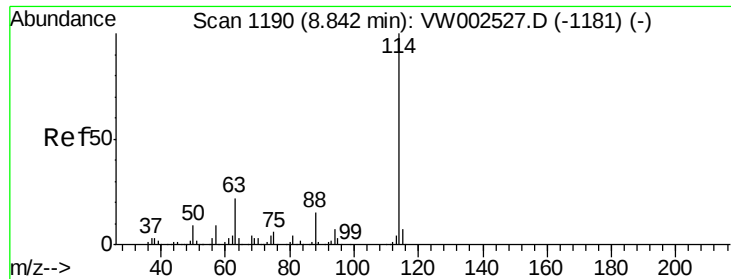
#33
1,2-Dichloroethane-d4
Concen: 73.84 ug/l
RT: 8.31 min Scan# 1103
Delta R.T. 0.01 min
Lab File: VW002886.D
Acq: 25 May 2018 20:52

Tgt Ion: 65 Resp: 76269
Ion Ratio Lower Upper
65 100
67 50.8 0.0 104.4



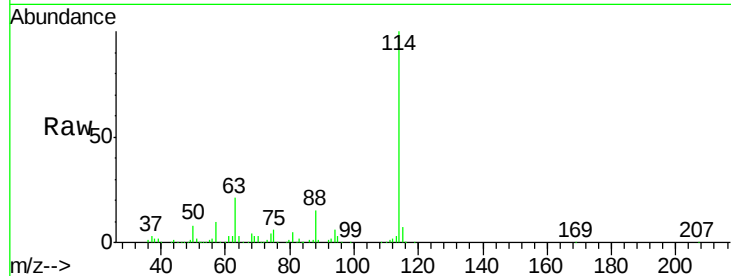
Abundance Ion 64.90 (64.60 to 65.60): VW
Ion 66.90 (66.60 to 67.60): VW



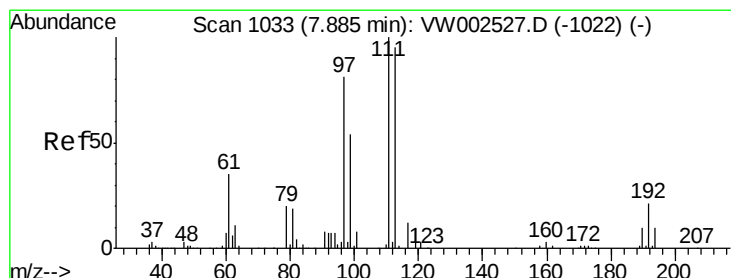
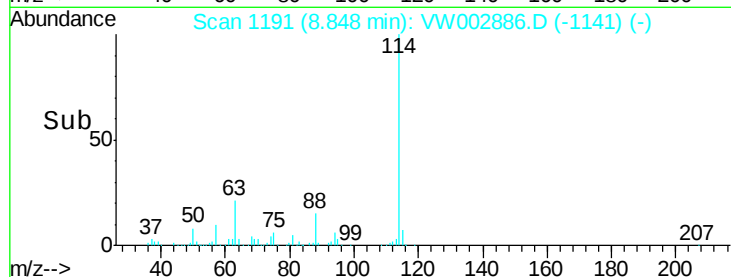
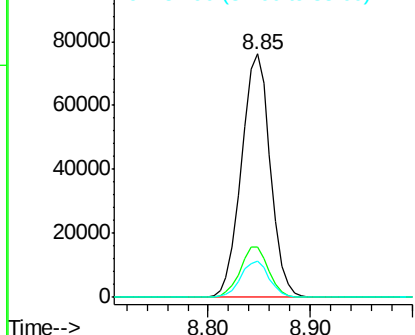


#34
1,4-Difluorobenzene
Concen: 50.00 ug/l
RT: 8.85 min Scan# 1191
Delta R.T. 0.01 min
Lab File: VW002886.D
Acq: 25 May 2018 20:52

Tgt Ion:	114	Resp:	149599
Ion	Ratio	Lower	Upper
114	100		
63	20.7	0.0	43.2
88	15.0	0.0	29.2

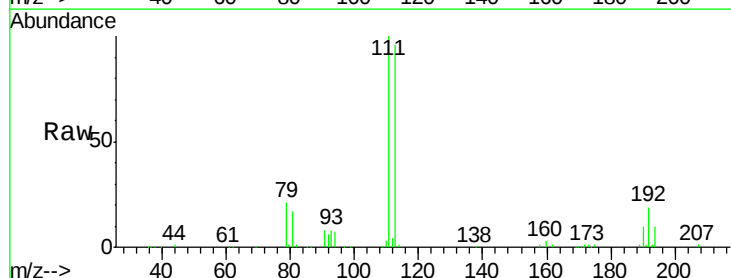


Abundance Ion 113.90 (113.60 to 114.60): V
Ion 63.00 (62.70 to 63.70): VW
Ion 87.90 (87.60 to 88.60): VW

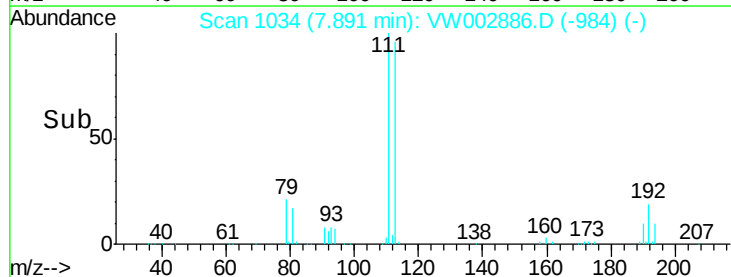
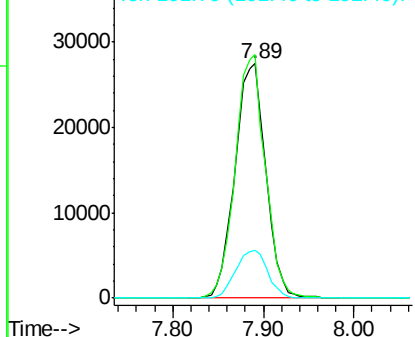


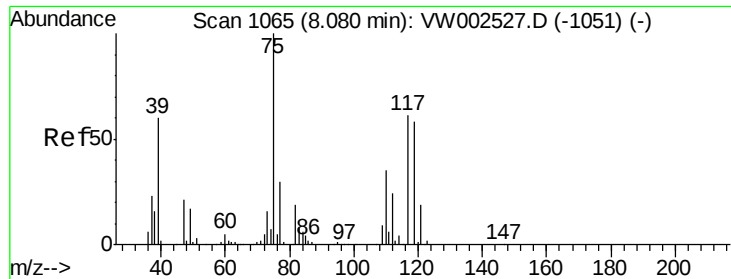
#35
Dibromofluoromethane
Concen: 68.42 ug/l
RT: 7.89 min Scan# 1034
Delta R.T. 0.01 min
Lab File: VW002886.D
Acq: 25 May 2018 20:52

Tgt Ion:	113	Resp:	64938
Ion	Ratio	Lower	Upper
113	100		
111	101.4	81.8	122.8
192	21.0	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: 6.19 ug/l

RT: 7.95 min Scan# 1043

Delta R.T. -0.13 min

Lab File: VW002886.D

Acq: 25 May 2018 20:52

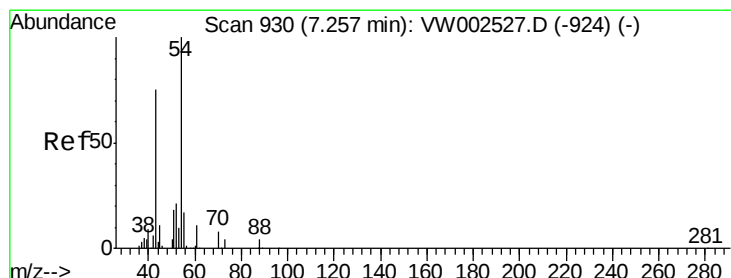
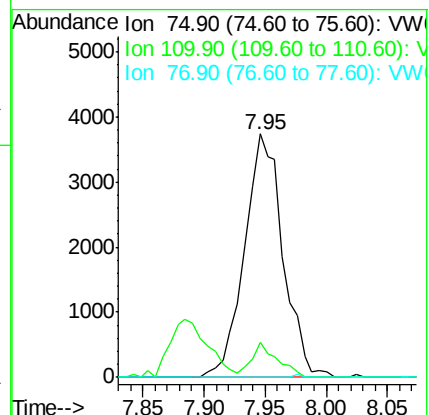
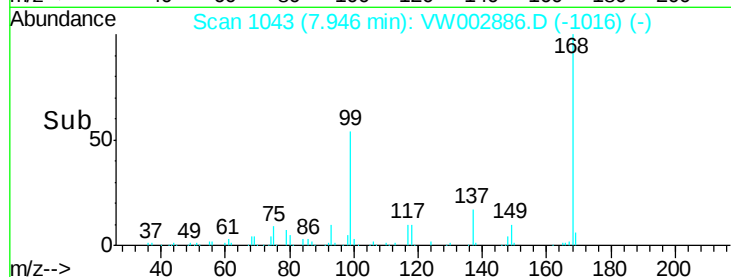
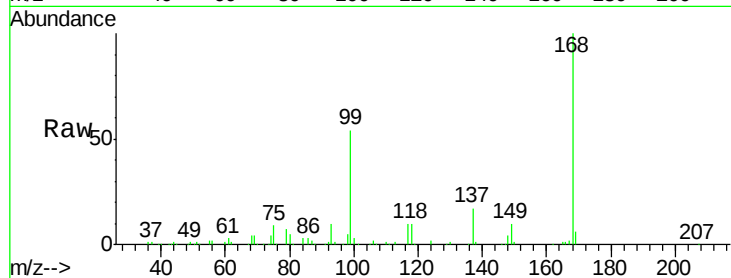
Tgt Ion: 75 Resp: 8177

Ion Ratio Lower Upper

75 100

110 9.5 17.8 53.5#

77 0.0 24.5 36.7#



#37

Ethyl Acetate

Concen: 1.60 ug/l

RT: 7.17 min Scan# 915

Delta R.T. -0.09 min

Lab File: VW002886.D

Acq: 25 May 2018 20:52

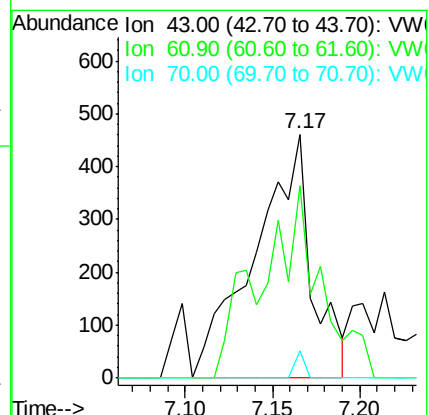
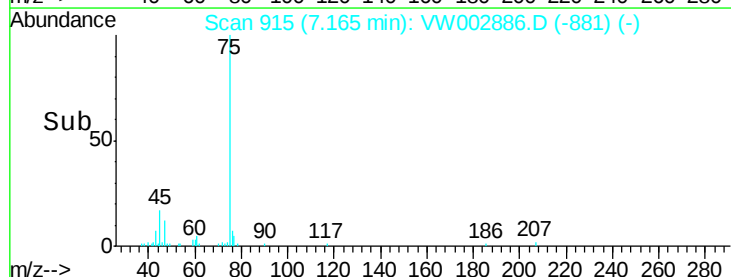
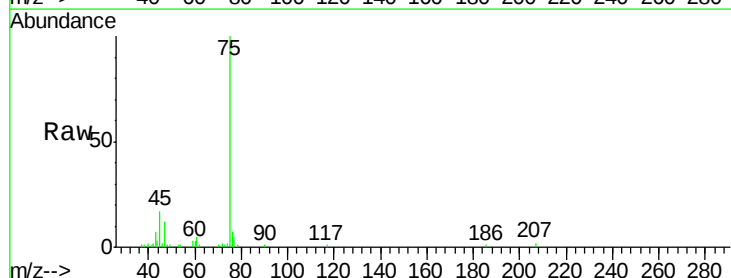
Tgt Ion: 43 Resp: 1048

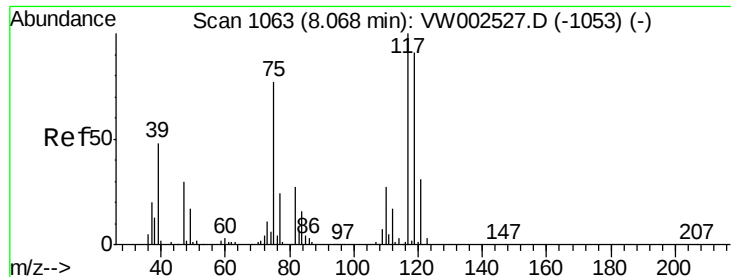
Ion Ratio Lower Upper

43 100

61 9.8 11.1 16.7#

70 1.8 7.8 11.8#





#38

Carbon Tetrachloride

Concen: 7.52 ug/l

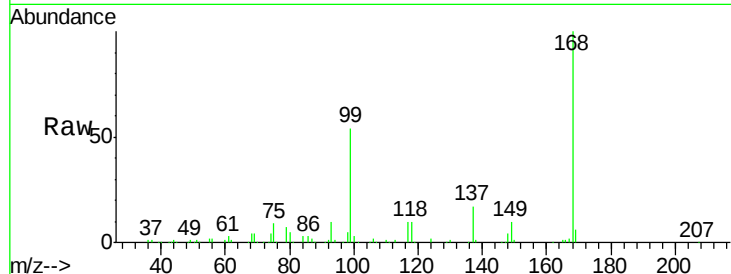
RT: 7.95 min Scan# 1043

Delta R.T. -0.12 min

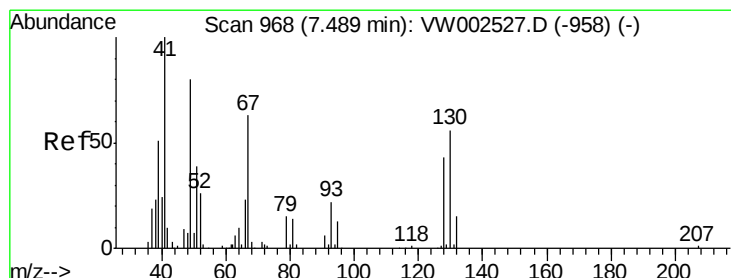
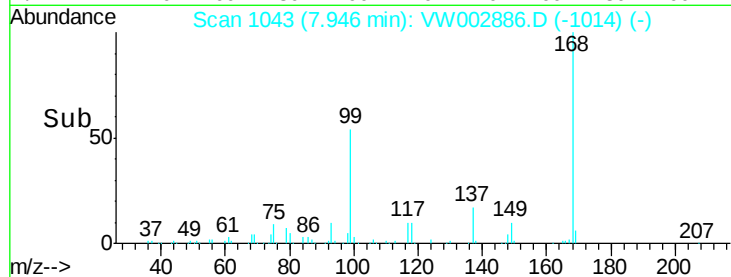
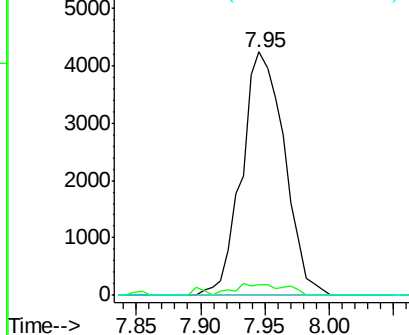
Lab File: VW002886.D

Acq: 25 May 2018 20:52

Tgt Ion:	117	Resp:	9726
Ion	Ratio	Lower	Upper
117	100		
119	4.6	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: 1.55 ug/l

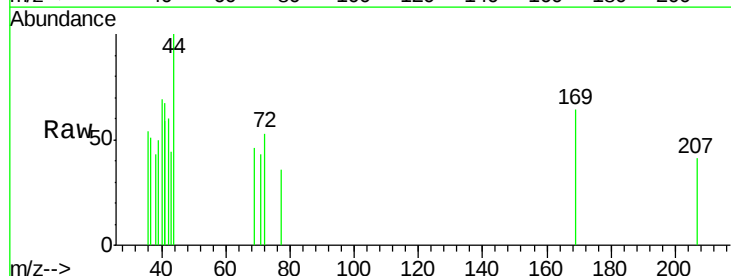
RT: 7.55 min Scan# 978

Delta R.T. 0.06 min

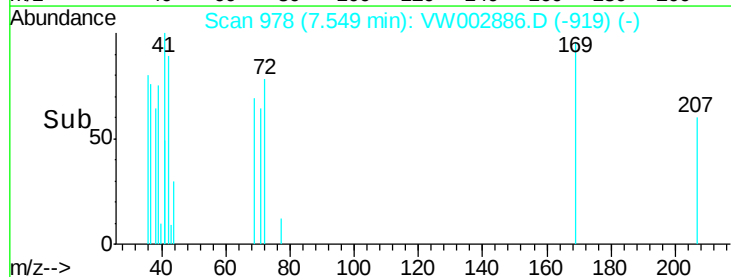
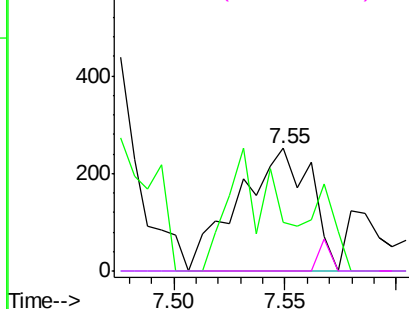
Lab File: VW002886.D

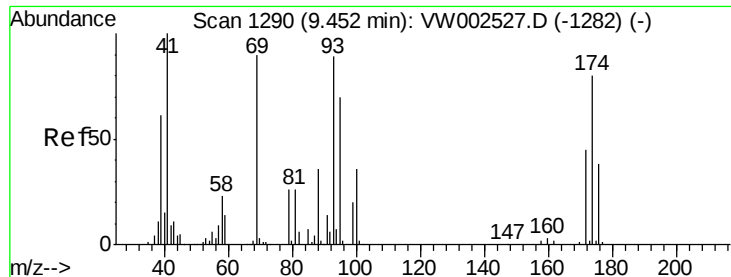
Acq: 25 May 2018 20:52

Tgt Ion:	41	Resp:	569
Ion	Ratio	Lower	Upper
41	100		
39	61.9	51.8	77.8
67	0.0	59.9	89.9#
52	0.0	26.6	39.8#



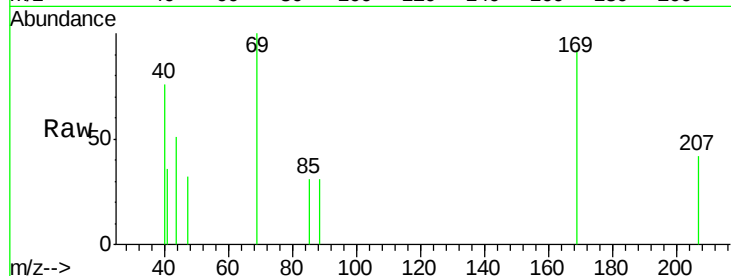
Abundance Ion 41.00 (40.70 to 41.70): VW
Ion 39.00 (38.70 to 39.70): VW
Ion 67.00 (66.70 to 67.70): VW
Ion 52.00 (51.70 to 52.70): VW



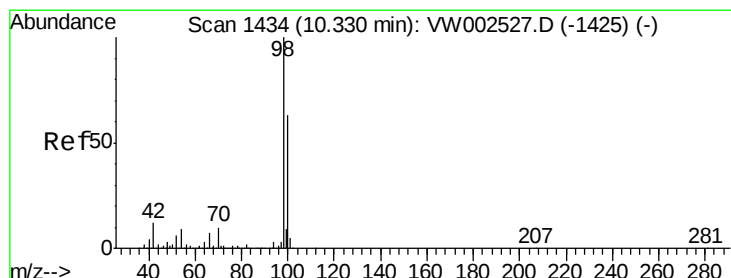
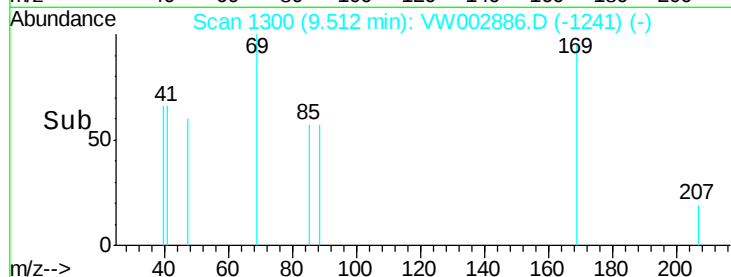
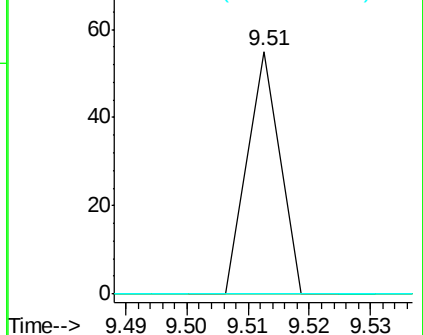


#49
1,4-Dioxane
Concen: 2.18 ug/l
RT: 9.51 min Scan# 1300
Delta R.T. 0.06 min
Lab File: VW002886.D
Acq: 25 May 2018 20:52

Tgt Ion: 88 Resp: 20
Ion Ratio Lower Upper
88 100
43 0.0 27.0 40.4#
58 0.0 56.9 85.3#

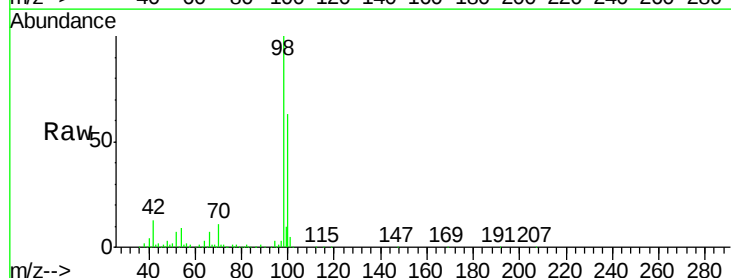


Abundance Ion 88.00 (87.70 to 88.70): VW
Ion 43.00 (42.70 to 43.70): VW
Ion 58.00 (57.70 to 58.70): VW

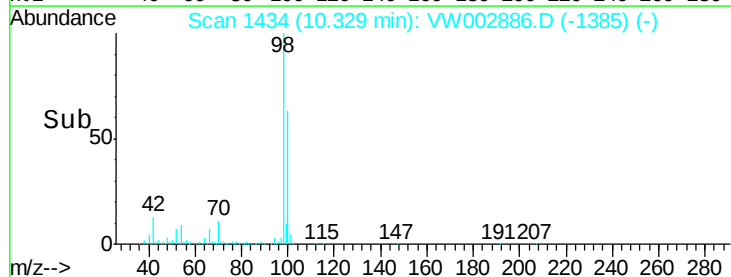
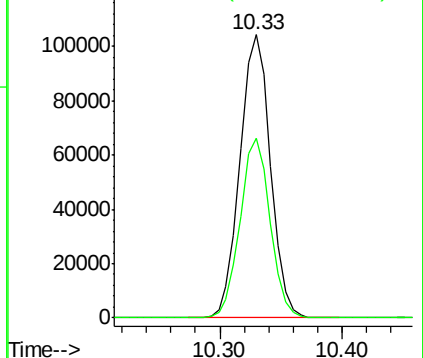


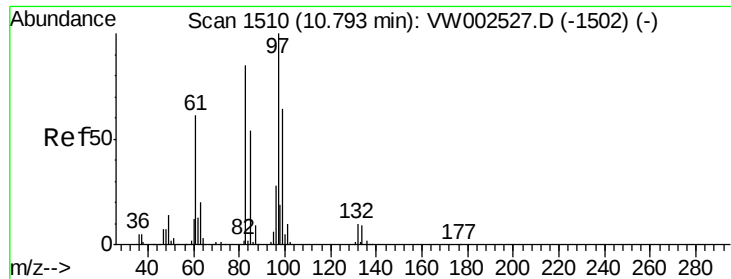
#50
Toluene-d8
Concen: 50.07 ug/l
RT: 10.33 min Scan# 1434
Delta R.T. -0.00 min
Lab File: VW002886.D
Acq: 25 May 2018 20:52

Tgt Ion: 98 Resp: 180786
Ion Ratio Lower Upper
98 100
100 62.4 51.0 76.4



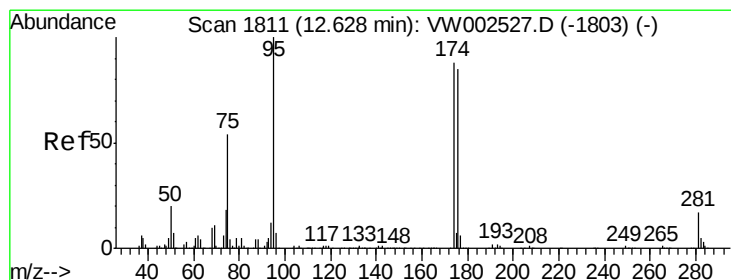
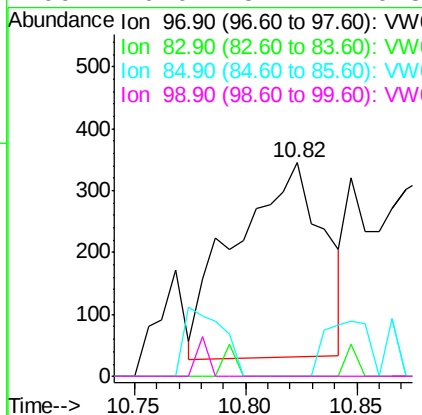
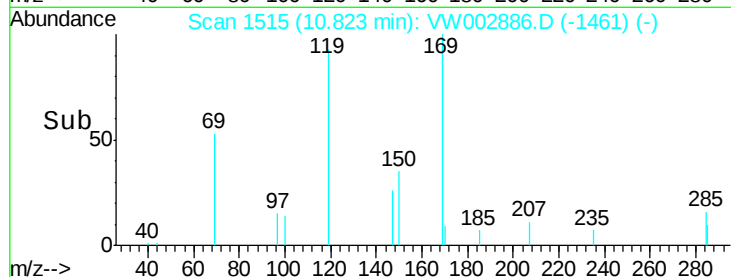
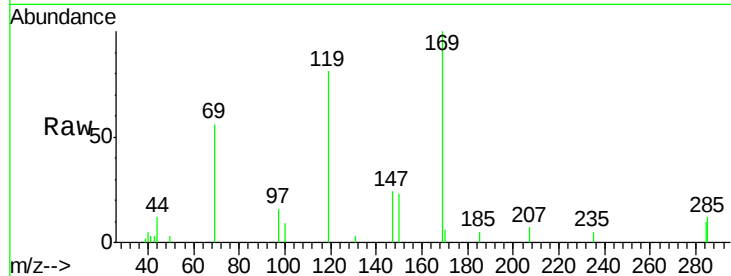
Abundance Ion 98.00 (97.70 to 98.70): VW
Ion 100.00 (99.70 to 100.70): VW





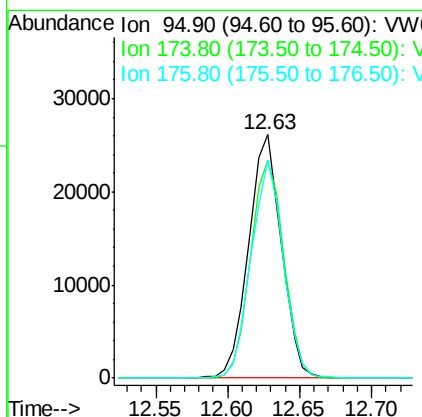
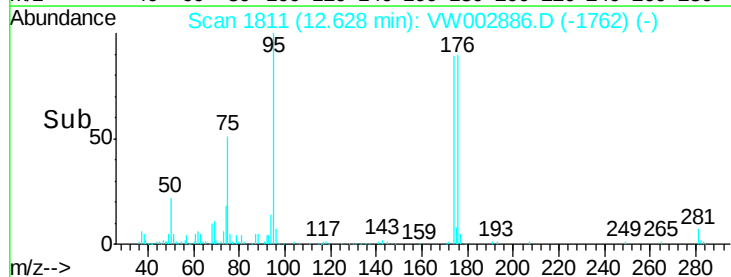
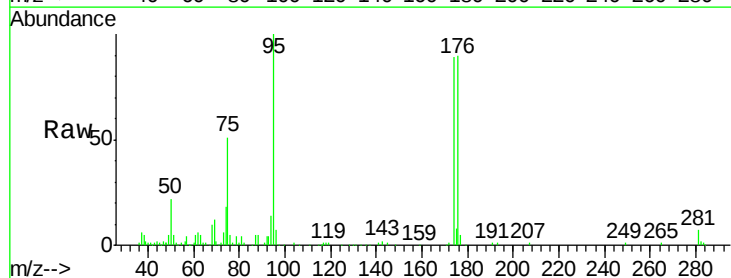
#55
 1,1,2-Trichloroethane
 Concen: 1.11 ug/l
 RT: 10.82 min Scan# 1515
 Delta R.T. 0.03 min
 Lab File: VW002886.D
 Acq: 25 May 2018 20:52

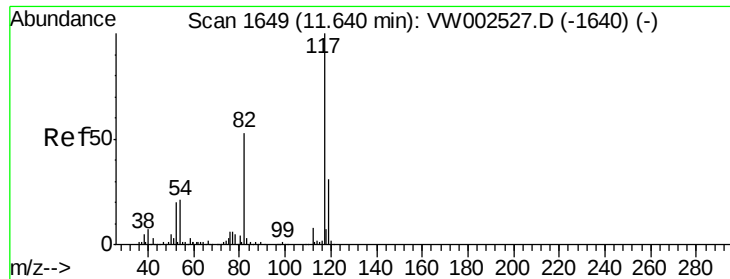
Tgt Ion:	97	Resp:	859
Ion	Ratio	Lower	Upper
97	100		
83	0.0	68.1	102.1#
85	0.0	43.6	65.4#
99	0.0	51.2	76.8#



#62
 4-Bromofluorobenzene
 Concen: 31.05 ug/l
 RT: 12.63 min Scan# 1811
 Delta R.T. -0.00 min
 Lab File: VW002886.D
 Acq: 25 May 2018 20:52

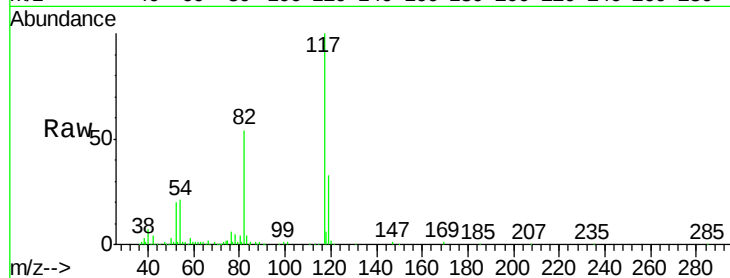
Tgt Ion:	95	Resp:	40991
Ion	Ratio	Lower	Upper
95	100		
174	90.7	0.0	176.6
176	87.4	0.0	172.2



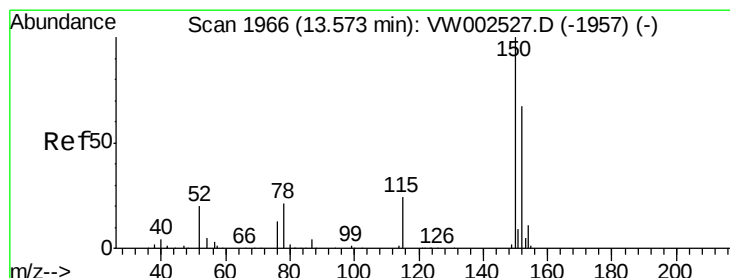
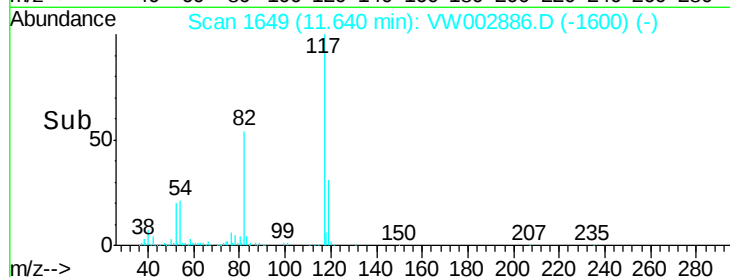
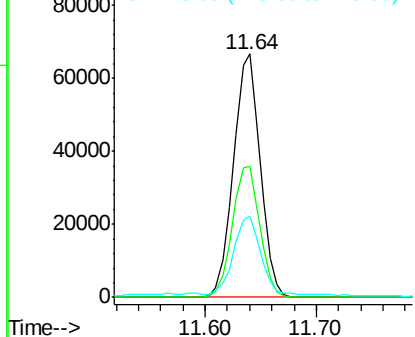


#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 11.64 min Scan# 1649
Delta R.T. -0.00 min
Lab File: VW002886.D
Acq: 25 May 2018 20:52

Tgt Ion:117 Resp: 110709
Ion Ratio Lower Upper
117 100
82 53.6 42.6 64.0
119 32.4 25.0 37.6

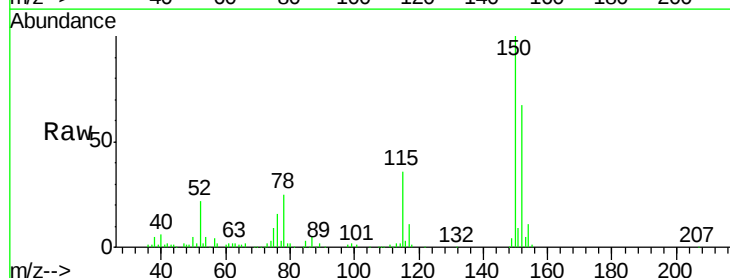


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): V
Ion 118.90 (118.60 to 119.60): V

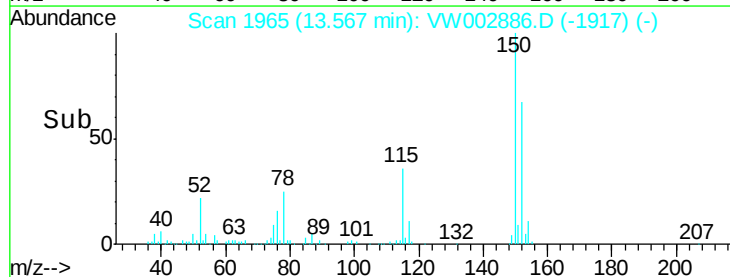
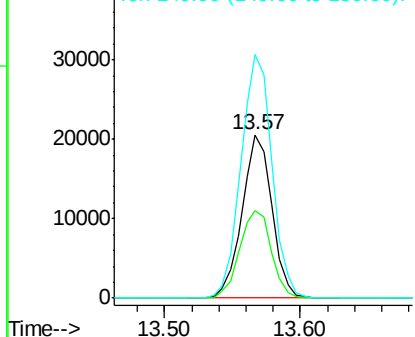


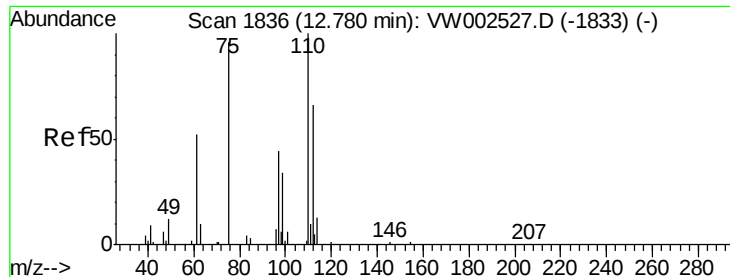
#72
1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 13.57 min Scan# 1965
Delta R.T. -0.01 min
Lab File: VW002886.D
Acq: 25 May 2018 20:52

Tgt Ion:152 Resp: 31553
Ion Ratio Lower Upper
152 100
115 56.6 28.0 84.0
150 154.5 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: 73.43 ug/l

RT: 12.63 min Scan# 1811

Delta R.T. -0.15 min

Lab File: VW002886.D

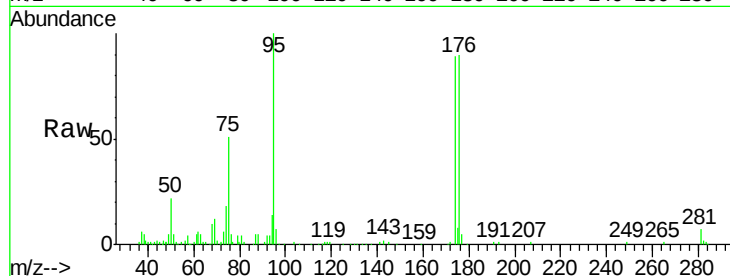
Acq: 25 May 2018 20:52

Tgt Ion: 75 Resp: 21900

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

12.63

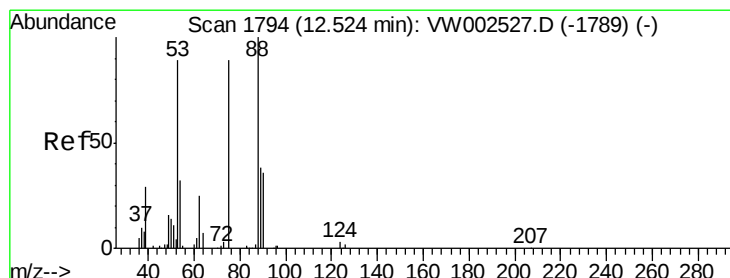
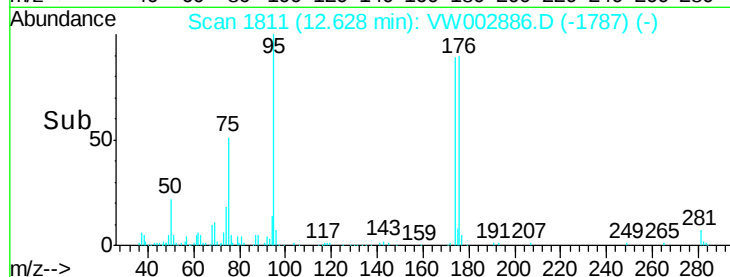
15000

10000

5000

0

Time-->



#81

trans-1,4-Dichloro-2-butene

Concen: 200.19 ug/l

RT: 12.63 min Scan# 1811

Delta R.T. 0.10 min

Lab File: VW002886.D

Acq: 25 May 2018 20:52

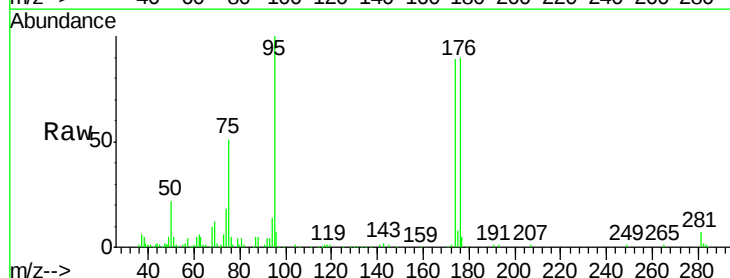
Tgt Ion: 75 Resp: 21900

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

12.63

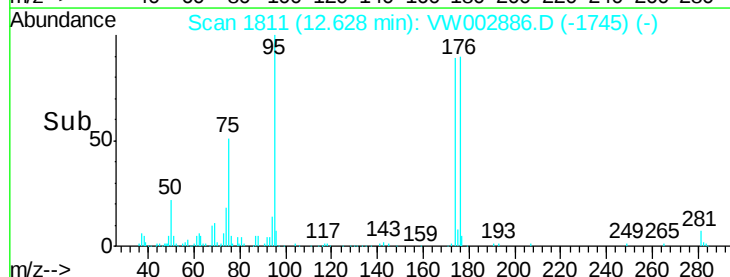
15000

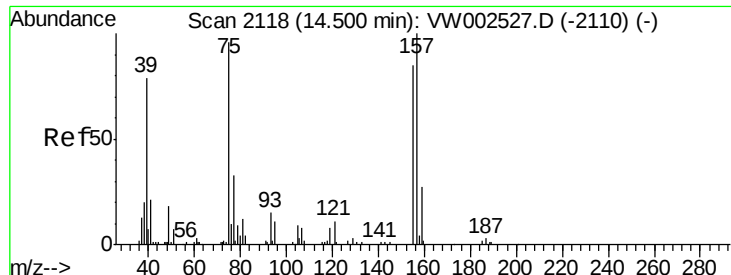
10000

5000

0

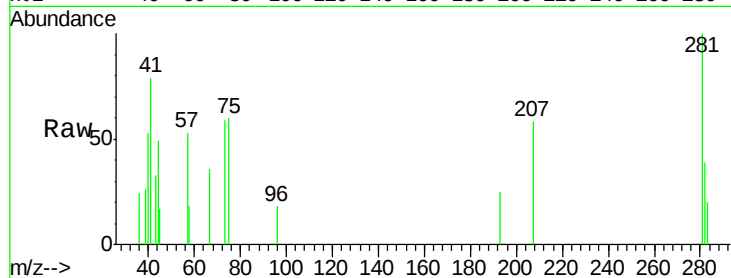
Time-->





#92
 1,2-Dibromo-3-Chloropropane
 Concen: 2.26 ug/l
 RT: 14.34 min Scan# 2092
 Delta R.T. -0.16 min
 Lab File: VW002886.D
 Acq: 25 May 2018 20:52

Tgt Ion: 75 Resp: 157
 Ion Ratio Lower Upper
 75 100
 155 0.0 42.8 128.4#
 157 0.0 57.4 172.0#



Abundance Ion 74.90 (74.60 to 75.60): VW
 Ion 154.80 (154.50 to 155.50): V
 Ion 156.80 (156.50 to 157.50): V

