

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW022219\
 Data File : VW008797.D
 Acq On : 22 Feb 2019 18:45
 Operator : SY/VA
 Sample : K1597-11
 Misc : 5.87G/5ML/MSVOA_W/SOIL
 ALS Vial : 14 Sample Multiplier: 1

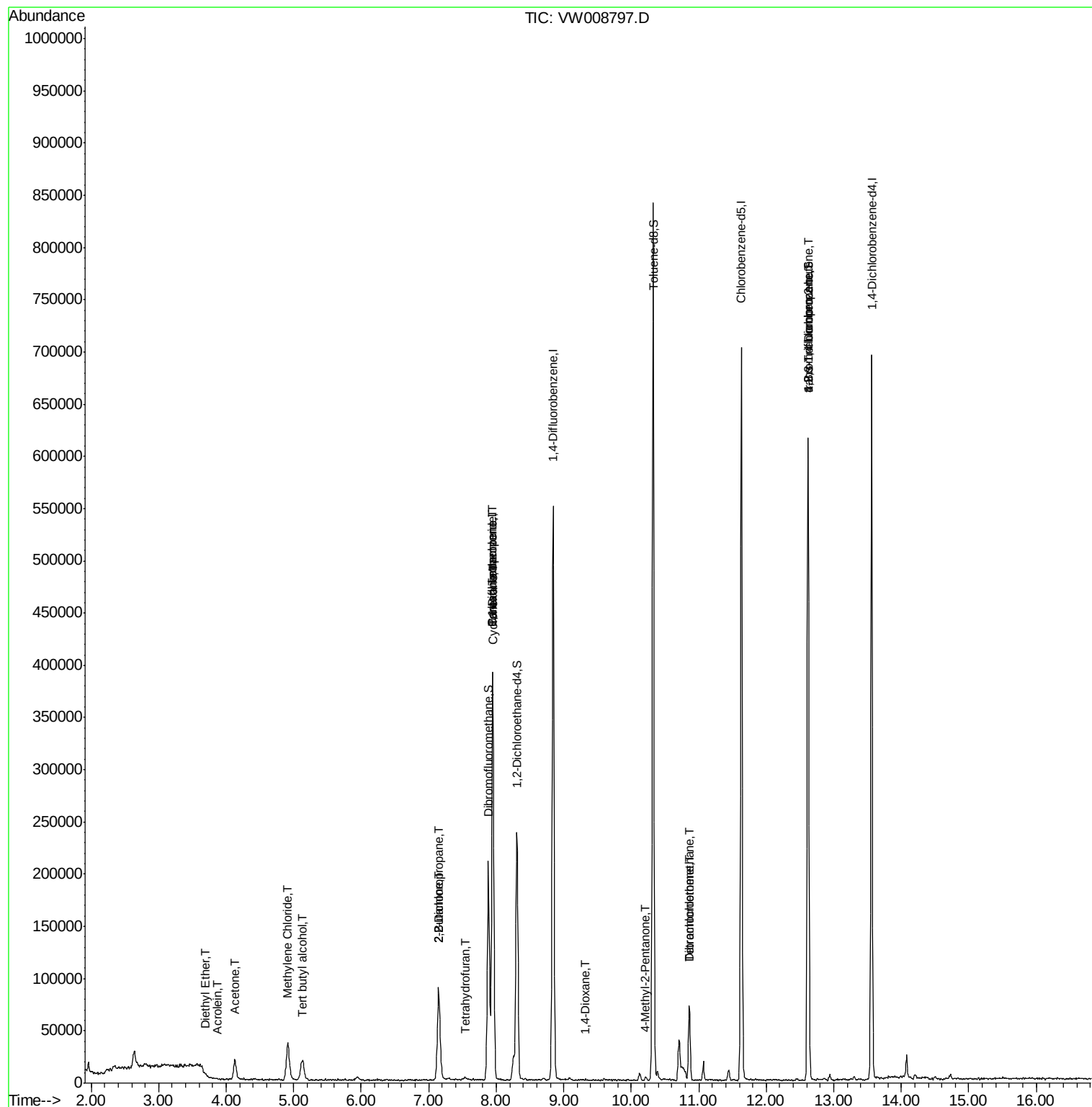
Quant Time: Feb 23 03:27:06 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W022119S.M
 Quant Title : SW846 8260
 QLast Update : Fri Feb 22 00:38:32 2019
 Response via : Initial Calibration

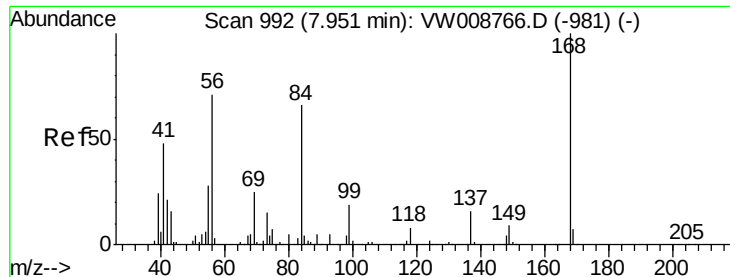
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	301099	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	450338	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	386730	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	174088	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.31	65	172746	61.17	ug/l	0.00
Spiked Amount 50.000			Recovery	=	122.34%	
35) Dibromofluoromethane	7.88	113	144280	53.36	ug/l	0.00
Spiked Amount 50.000			Recovery	=	106.72%	
50) Toluene-d8	10.32	98	539300	51.67	ug/l	0.00
Spiked Amount 50.000			Recovery	=	103.34%	
62) 4-Bromofluorobenzene	12.62	95	178507	43.68	ug/l	0.00
Spiked Amount 50.000			Recovery	=	87.36%	
Target Compounds						
					Qvalue	
8) Diethyl Ether	3.70	74	2033	1.306	ug/l	84
11) Tert butyl alcohol	5.12	59	18541	73.747	ug/l #	75
13) Acrolein	3.87	56	71	20.026	ug/l #	1
16) Acetone	4.13	43	34379	52.520	ug/l	90
20) Methylene Chloride	4.92	84	27218	3.711	ug/l	88
25) 2-Butanone	7.15	43	7758	8.477	ug/l #	80
26) 2,2-Dichloropropane	7.15	77	6238	1.306	ug/l #	54
29) Tetrahydrofuran	7.54	42	2084	3.573	ug/l #	91
31) Cyclohexane	7.96	56	6390	1.200	ug/l #	61
36) 1,1-Dichloropropene	7.95	75	22805	5.202	ug/l #	50
38) Carbon Tetrachloride	7.95	117	28764	6.222	ug/l #	16
49) 1,4-Dioxane	9.33	88	31	1.177	ug/l #	1
51) 4-Methyl-2-Pentanone	10.21	43	2420	1.172	ug/l	95
60) Dibromochloromethane	10.86	129	12734	4.679	ug/l #	10
64) Tetrachloroethene	10.87	164	15428	5.573	ug/l	91
76) 1,2,3-Trichloropropane	12.62	75	91885	63.928	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.62	75	91885	155.413	ug/l #	6

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

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Quant Title : SW846 8260
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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.95 min Scan# 991

Delta R.T. -0.01 min

Lab File: VW008797.D

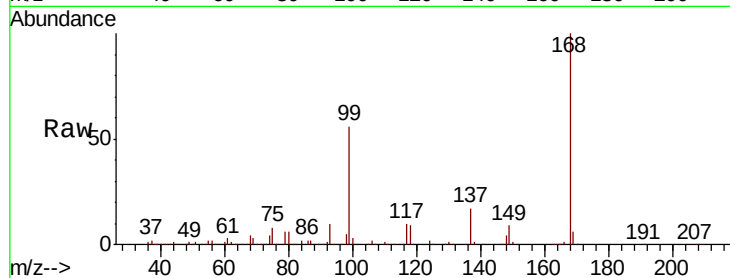
Acq: 22 Feb 2019 18:45

Tgt Ion: 168 Resp: 301099

Ion Ratio Lower Upper

168 100

99 55.5 42.2 63.2



Abundance Ion 167.90 (167.60 to 168.60): VW

Ion 98.90 (98.60 to 99.60): VW

7.95

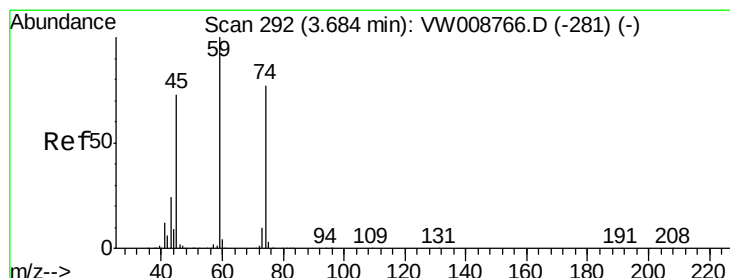
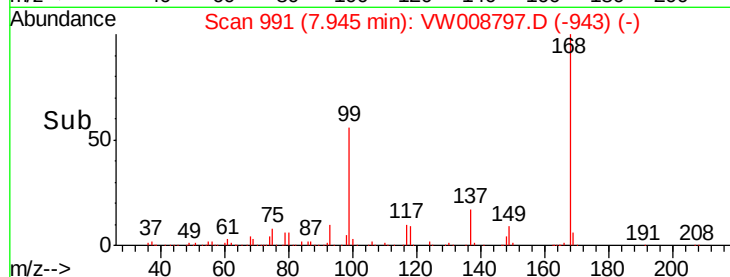
150000

100000

50000

0

Time-->



#8

Diethyl Ether

Concen: 1.306 ug/l

RT: 3.70 min Scan# 294

Delta R.T. 0.01 min

Lab File: VW008797.D

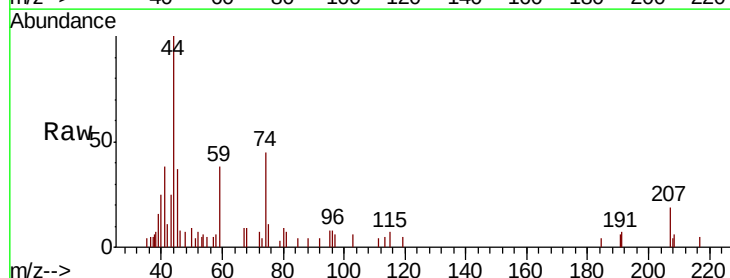
Acq: 22 Feb 2019 18:45

Tgt Ion: 74 Resp: 2033

Ion Ratio Lower Upper

74 100

45 116.9 50.2 150.6



Abundance Ion 74.00 (73.70 to 74.70): VW

Ion 45.00 (44.70 to 45.70): VW

1000

800

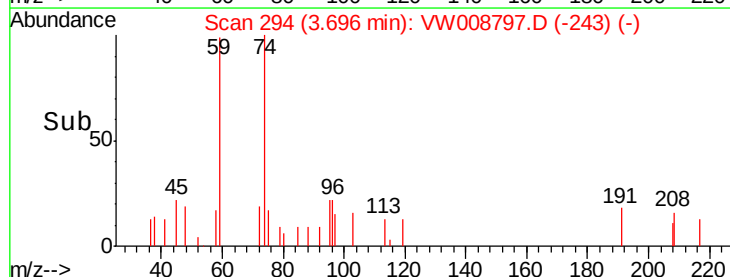
600

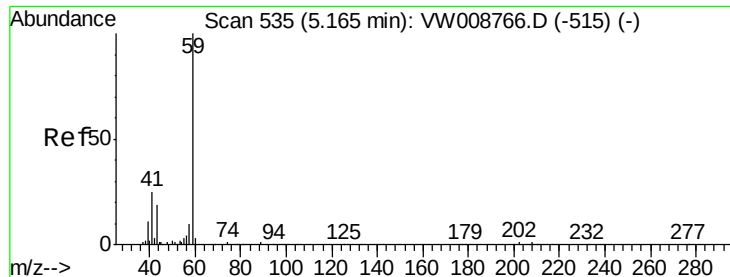
400

200

0

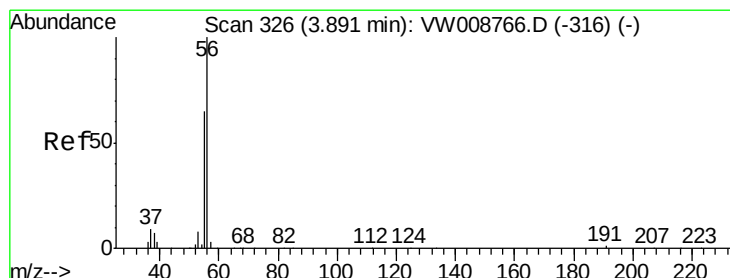
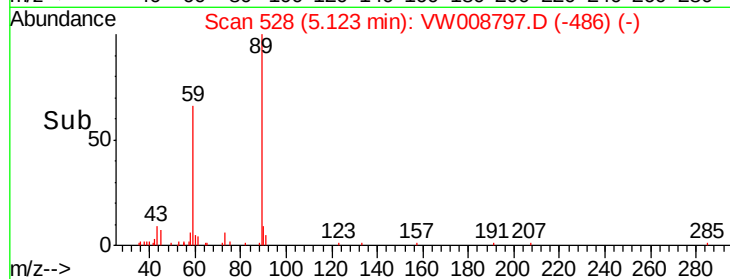
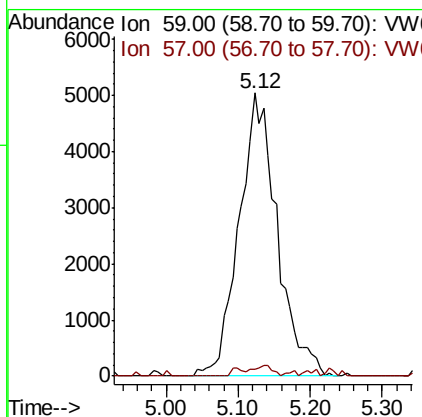
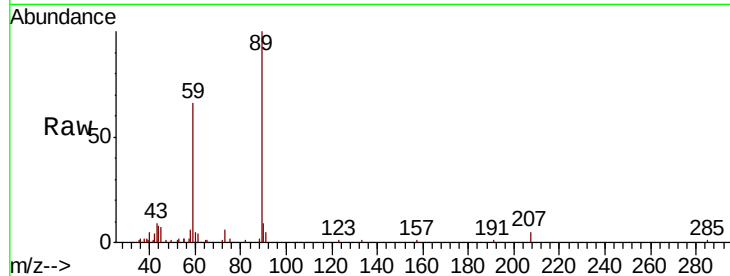
Time-->





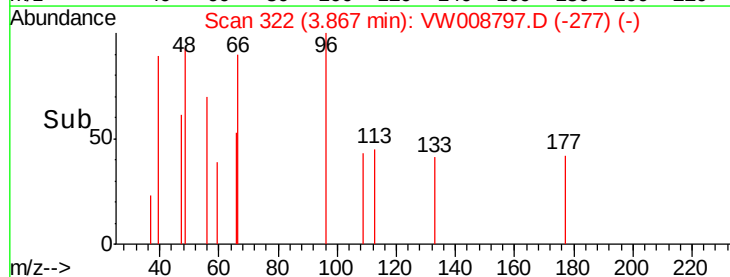
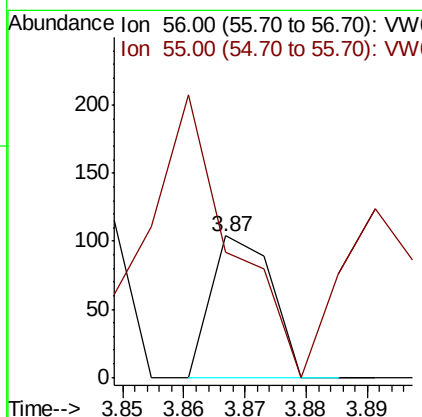
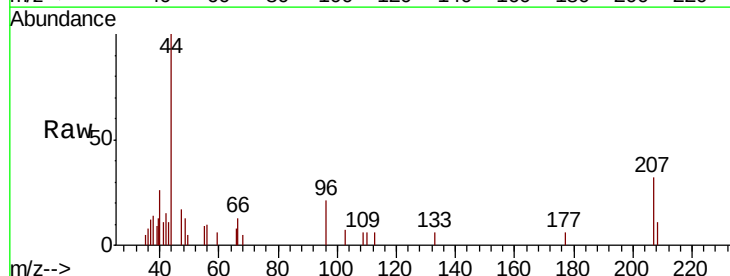
#11
Tert butyl alcohol
Concen: 73.747 ug/l
RT: 5.12 min Scan# 528
Delta R.T. -0.04 min
Lab File: VW008797.D
Acq: 22 Feb 2019 18:45

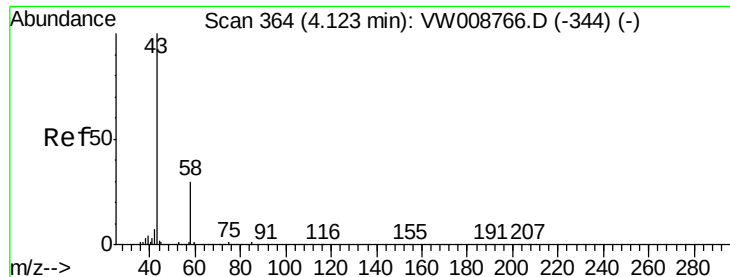
Tgt Ion: 59 Resp: 18541
Ion Ratio Lower Upper
59 100
57 1.9 9.3 13.9#



#13
Acrolein
Concen: 20.026 ug/l
RT: 3.87 min Scan# 322
Delta R.T. -0.02 min
Lab File: VW008797.D
Acq: 22 Feb 2019 18:45

Tgt Ion: 56 Resp: 71
Ion Ratio Lower Upper
56 100
55 253.5 56.9 85.3#





#16

Acetone

Concen: 52.520 ug/l

RT: 4.13 min Scan# 365

Delta R.T. 0.01 min

Lab File: VW008797.D

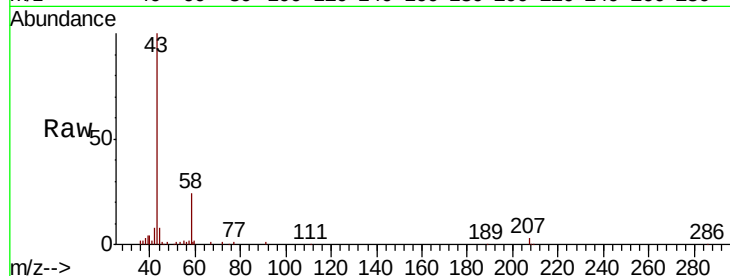
Acq: 22 Feb 2019 18:45

Tgt Ion: 43 Resp: 34379

Ion Ratio Lower Upper

43 100

58 24.2 23.8 35.6



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW

15000

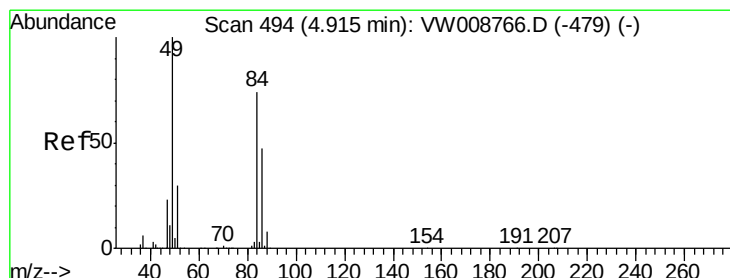
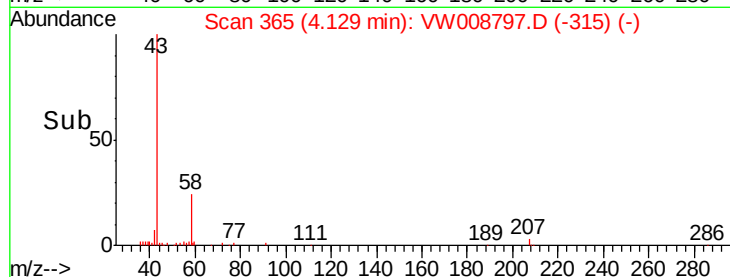
10000

5000

0

4.00 4.10 4.20

Time-->



#20

Methylene Chloride

Concen: 3.711 ug/l

RT: 4.92 min Scan# 494

Delta R.T. 0.00 min

Lab File: VW008797.D

Acq: 22 Feb 2019 18:45

Tgt Ion: 84 Resp: 27218

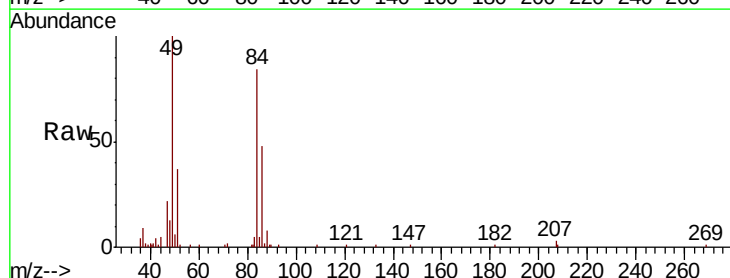
Ion Ratio Lower Upper

84 100

49 116.9 108.2 162.2

51 43.9 32.7 49.1

86 57.0 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

15000

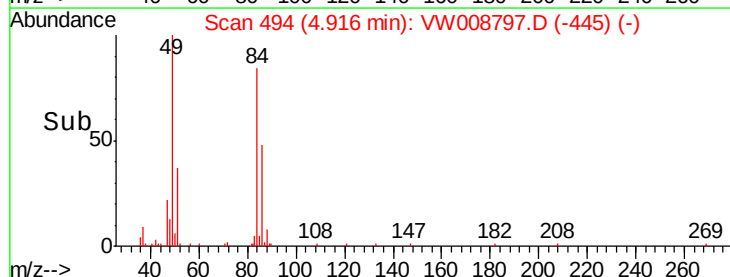
10000

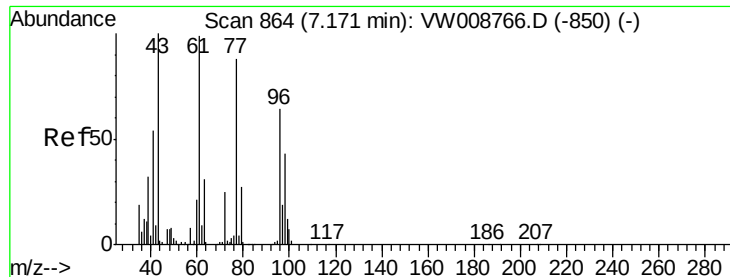
5000

0

4.80 4.90 5.00

Time-->





#25

2-Butanone

Concen: 8.477 ug/l

RT: 7.15 min Scan# 860

Delta R.T. -0.02 min

Lab File: VW008797.D

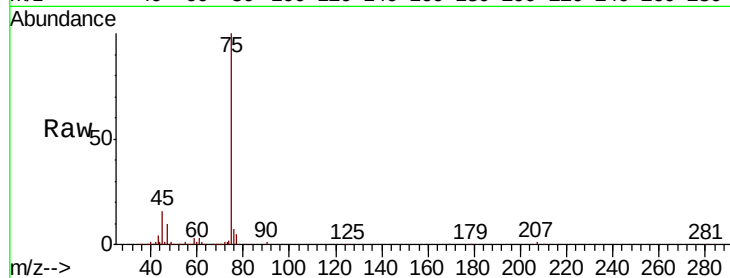
Acq: 22 Feb 2019 18:45

Tgt Ion: 43 Resp: 7758

Ion Ratio Lower Upper

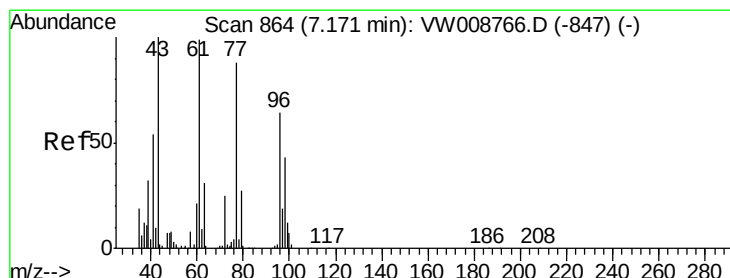
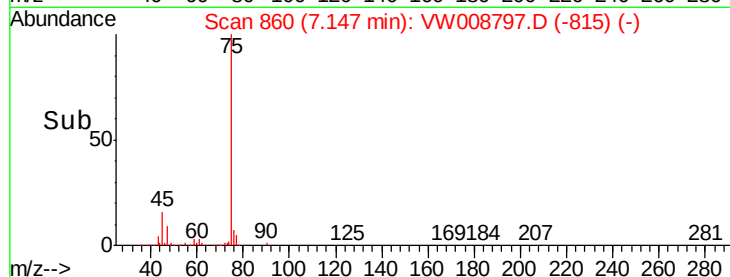
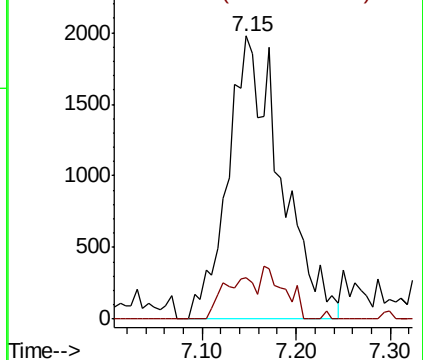
43 100

72 14.7 19.7 29.5#



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 72.00 (71.70 to 72.70): VW



#26

2,2-Dichloropropane

Concen: 1.306 ug/l

RT: 7.15 min Scan# 860

Delta R.T. -0.02 min

Lab File: VW008797.D

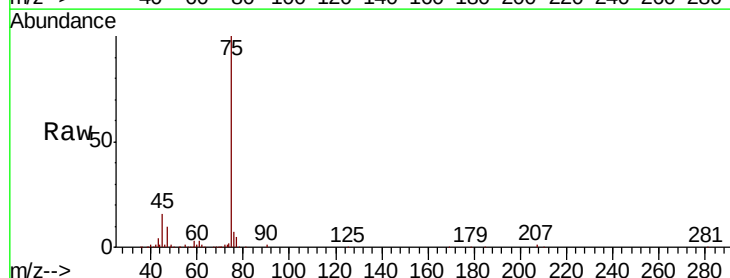
Acq: 22 Feb 2019 18:45

Tgt Ion: 77 Resp: 6238

Ion Ratio Lower Upper

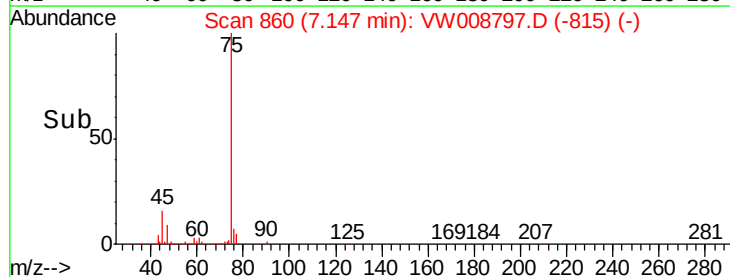
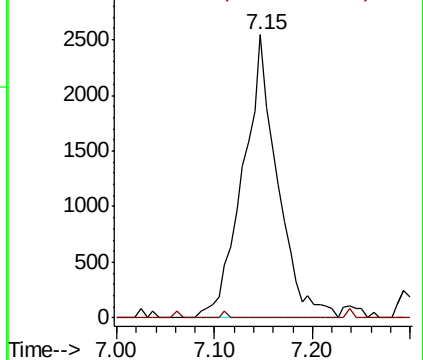
77 100

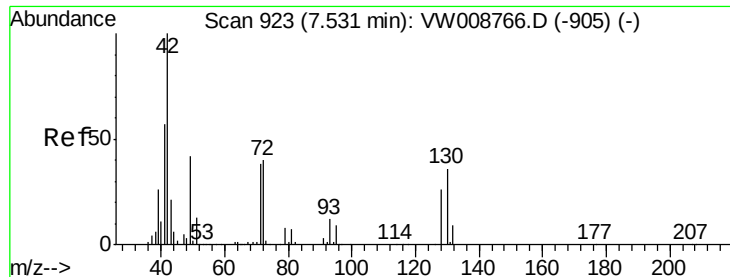
97 0.0 11.0 33.0#



Abundance Ion 76.90 (76.60 to 77.60): VW

Ion 96.90 (96.60 to 97.60): VW





#29

Tetrahydrofuran

Concen: 3.573 ug/l

RT: 7.54 min Scan# 925

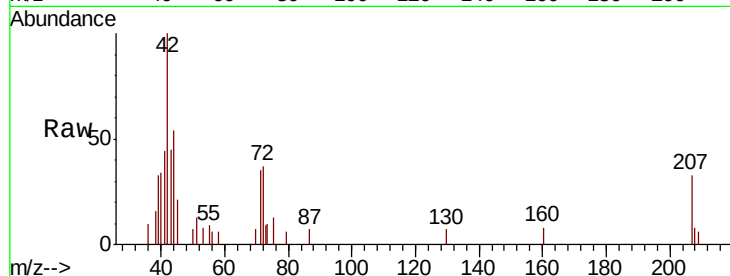
Delta R.T. 0.01 min

Lab File: VW008797.D

Acq: 22 Feb 2019 18:45

Tgt Ion: 42 Resp: 2084

Ion	Ratio	Lower	Upper
42	100		
72	49.9	32.7	49.1#
71	41.6	31.3	46.9

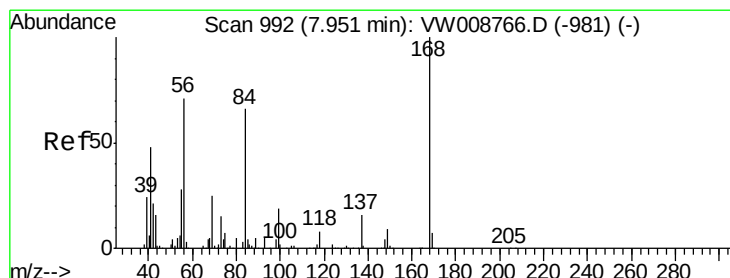
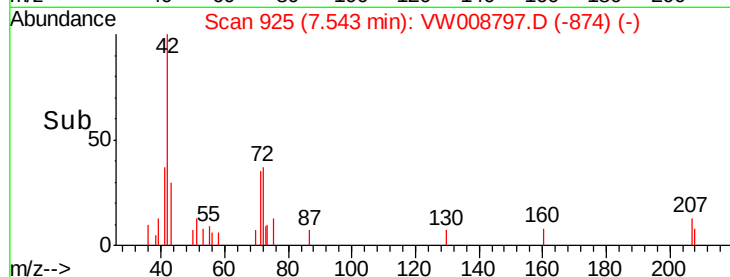
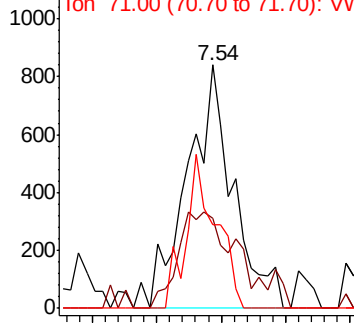


Abundance

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: 1.200 ug/l

RT: 7.96 min Scan# 993

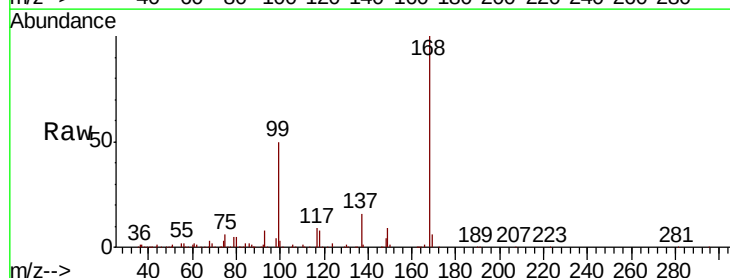
Delta R.T. 0.01 min

Lab File: VW008797.D

Acq: 22 Feb 2019 18:45

Tgt Ion: 56 Resp: 6390

Ion	Ratio	Lower	Upper
56	100		
69	109.7	28.2	42.4#
84	97.8	74.1	111.1

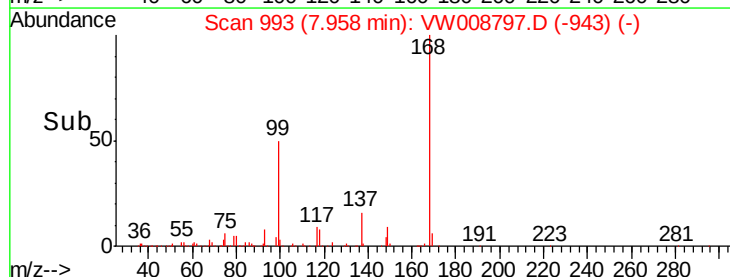
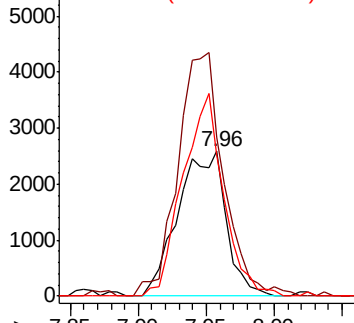


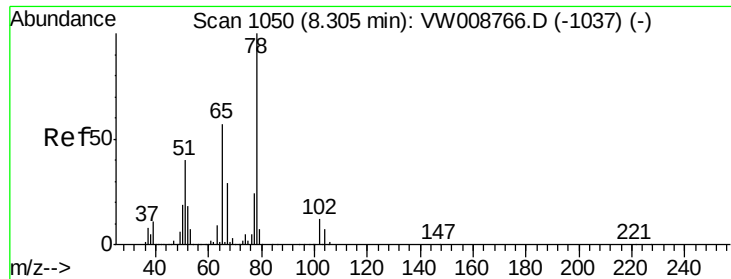
Abundance

Ion 56.00 (55.70 to 56.70): VW

Ion 69.00 (68.70 to 69.70): VW

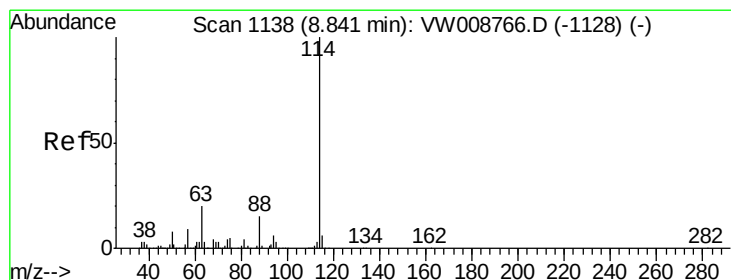
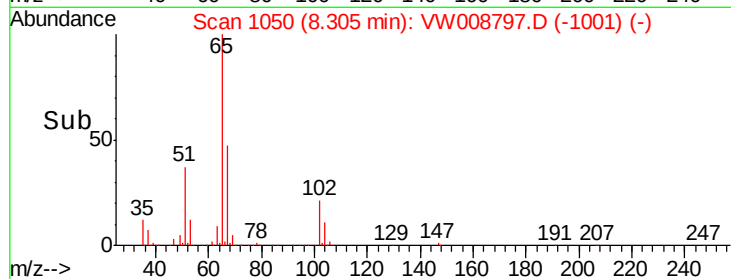
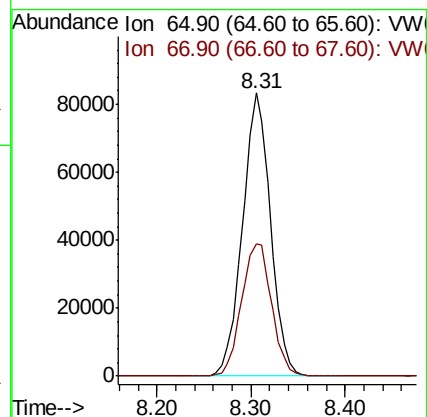
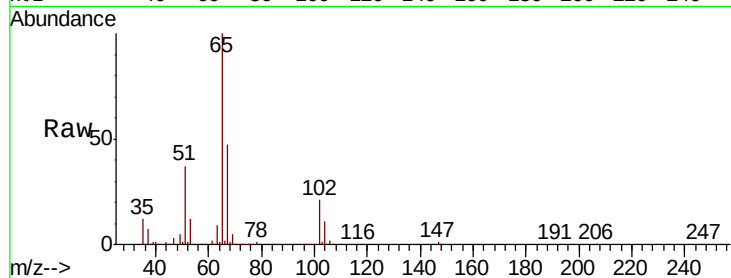
Ion 84.00 (83.70 to 84.70): VW





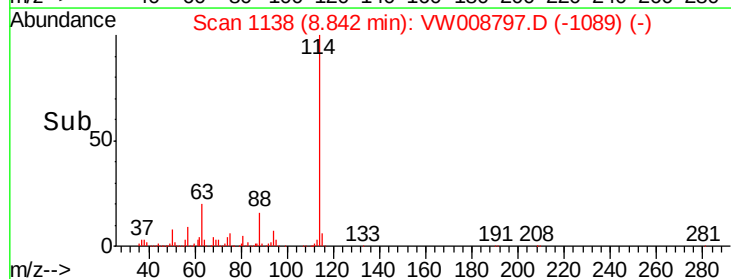
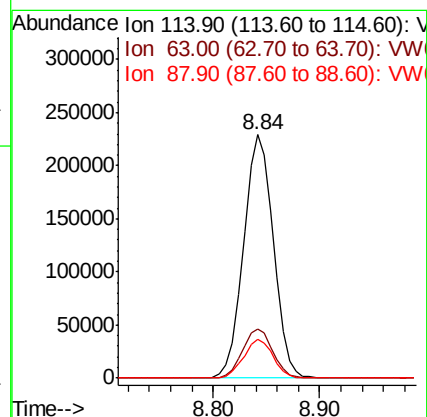
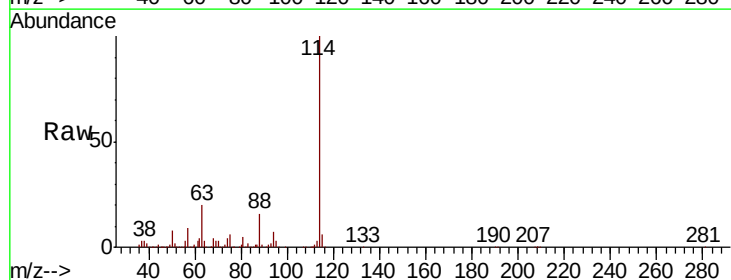
#33
 1,2-Dichloroethane-d4
 Concen: 61.170 ug/l
 RT: 8.31 min Scan# 1050
 Delta R.T. 0.00 min
 Lab File: VW008797.D
 Acq: 22 Feb 2019 18:45

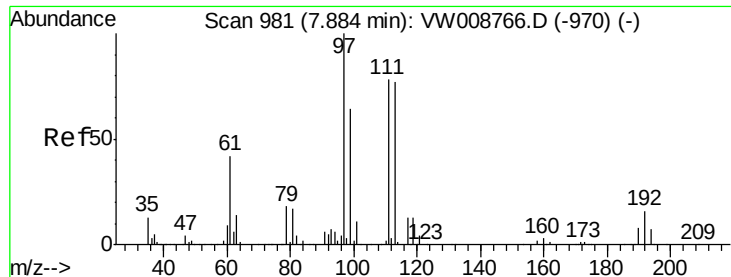
Tgt Ion: 65 Resp: 172746
 Ion Ratio Lower Upper
 65 100
 67 50.4 0.0 101.4



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.84 min Scan# 1138
 Delta R.T. 0.00 min
 Lab File: VW008797.D
 Acq: 22 Feb 2019 18:45

Tgt Ion: 114 Resp: 450338
 Ion Ratio Lower Upper
 114 100
 63 20.3 0.0 40.8
 88 15.9 0.0 30.4





#35

Dibromofluoromethane

Concen: 53.360 ug/l

RT: 7.88 min Scan# 981

Delta R.T. 0.00 min

Lab File: VW008797.D

Acq: 22 Feb 2019 18:45

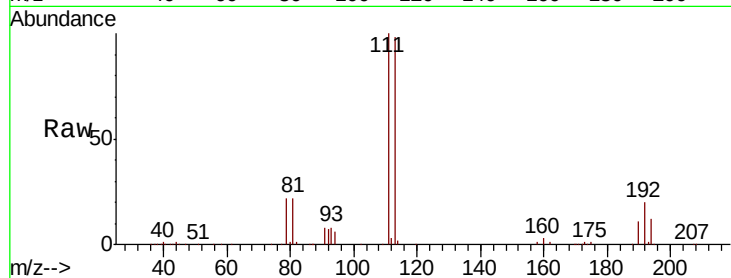
Tgt Ion:113 Resp: 144280

Ion Ratio Lower Upper

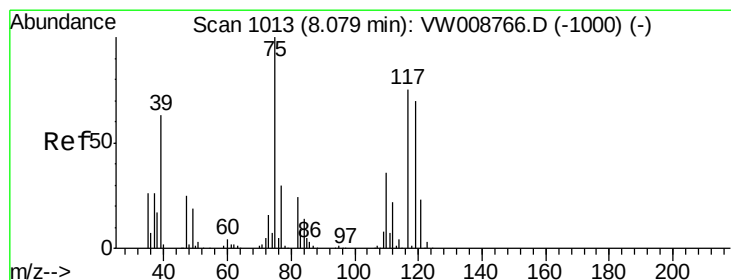
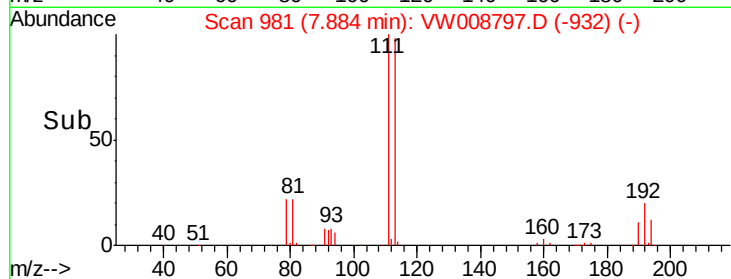
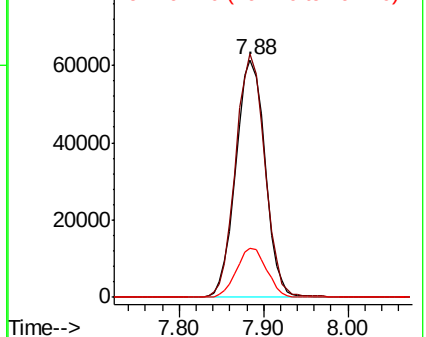
113 100

111 102.0 81.9 122.9

192 21.2 17.1 25.7



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: 5.202 ug/l

RT: 7.95 min Scan# 991

Delta R.T. -0.13 min

Lab File: VW008797.D

Acq: 22 Feb 2019 18:45

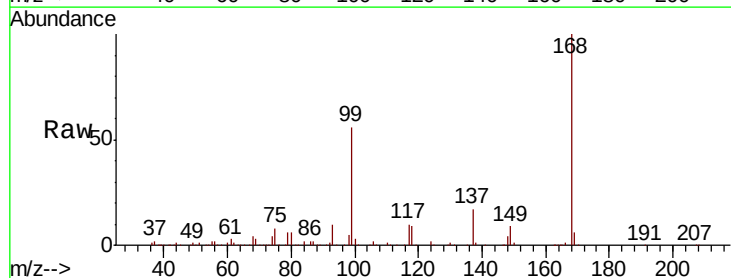
Tgt Ion: 75 Resp: 22805

Ion Ratio Lower Upper

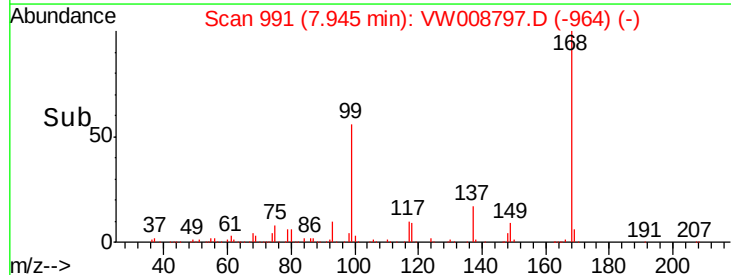
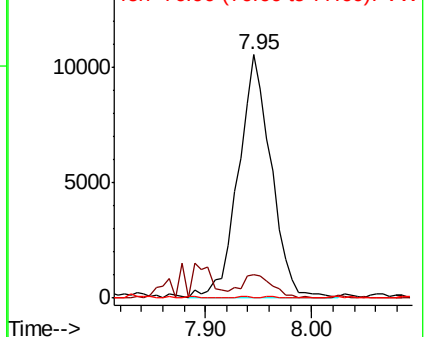
75 100

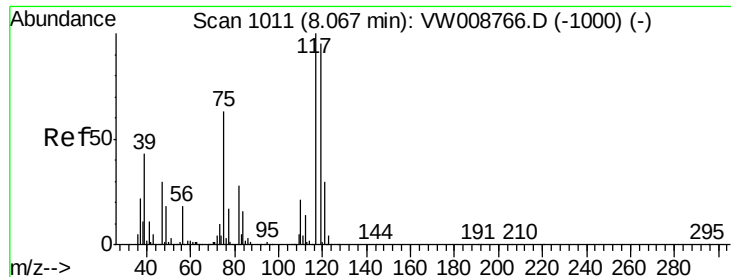
110 9.4 17.5 52.6#

77 0.2 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: 6.222 ug/l

RT: 7.95 min Scan# 991

Delta R.T. -0.12 min

Lab File: VW008797.D

Acq: 22 Feb 2019 18:45

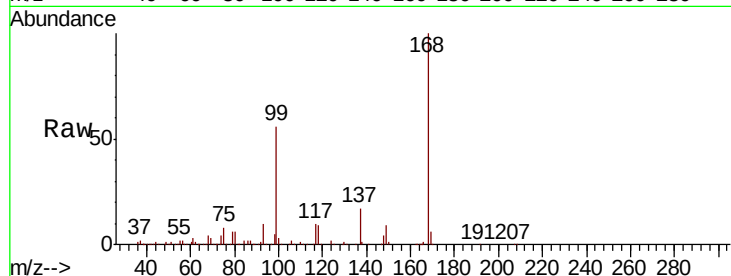
Tgt Ion: 117 Resp: 28764

Ion Ratio Lower Upper

117 100

119 5.1 76.1 114.1#

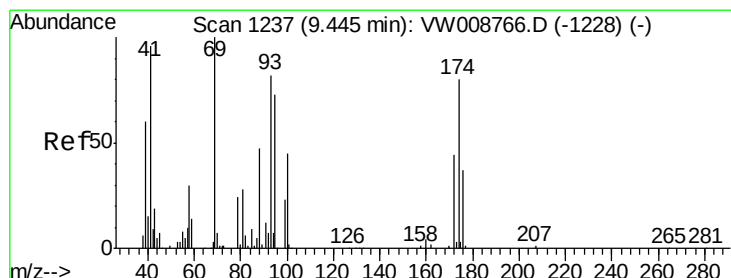
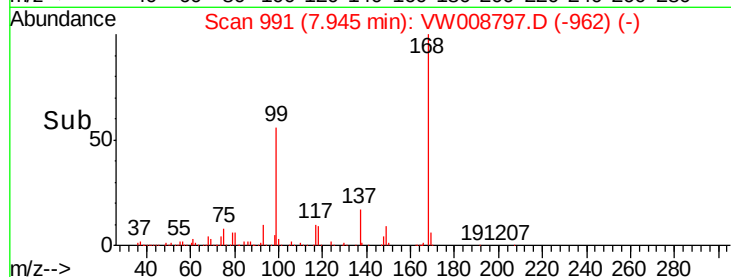
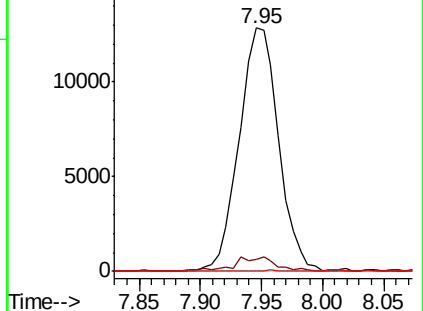
121 0.0 24.0 36.0#



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: 1.177 ug/l

RT: 9.33 min Scan# 1218

Delta R.T. -0.12 min

Lab File: VW008797.D

Acq: 22 Feb 2019 18:45

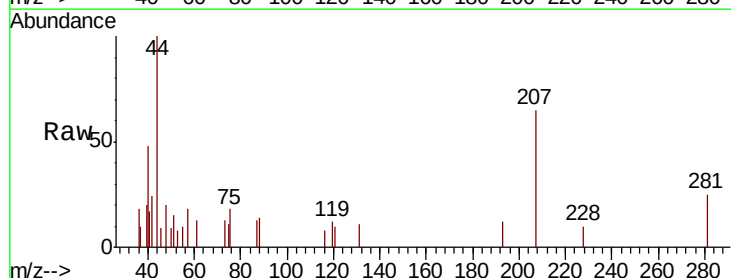
Tgt Ion: 88 Resp: 31

Ion Ratio Lower Upper

88 100

43 225.8 29.0 43.4#

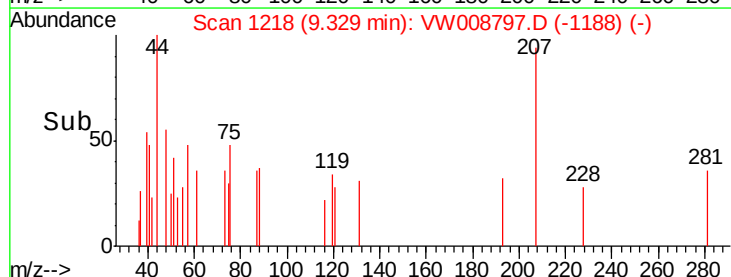
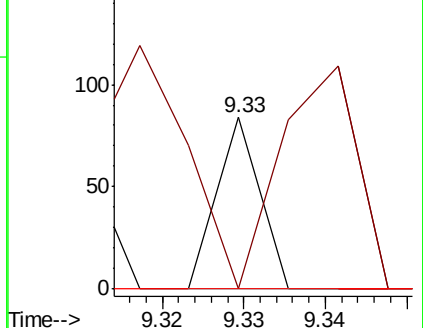
58 0.0 52.0 78.0#

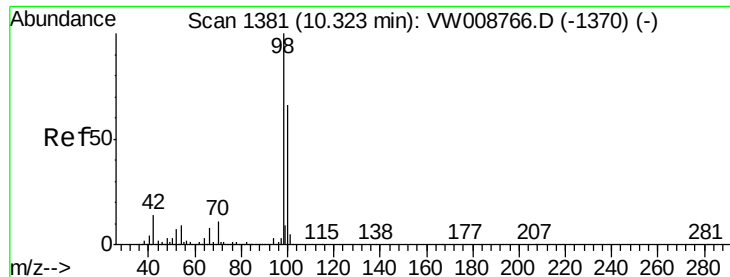


Abundance Ion 88.00 (87.70 to 88.70): VW

Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW





#50

Toluene-d8

Concen: 51.668 ug/l

RT: 10.32 min Scan# 1381

Delta R.T. 0.00 min

Lab File: VW008797.D

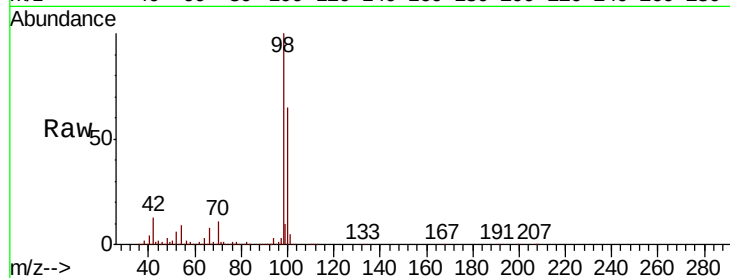
Acq: 22 Feb 2019 18:45

Tgt Ion: 98 Resp: 539300

Ion Ratio Lower Upper

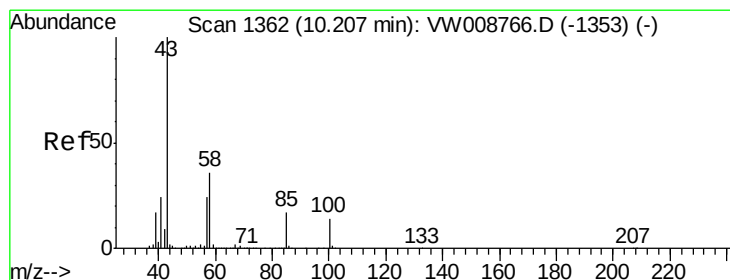
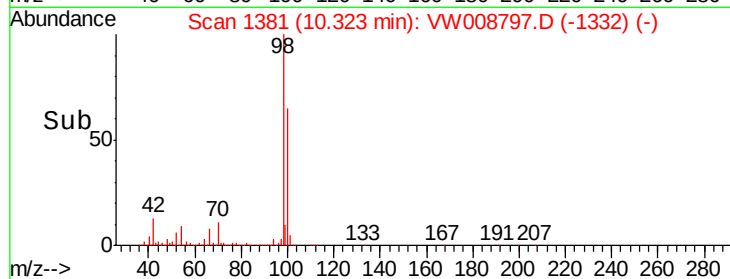
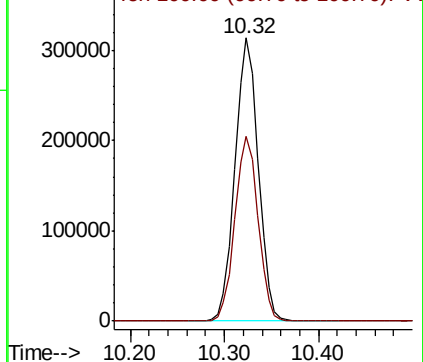
98 100

100 65.2 52.4 78.6



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: 1.172 ug/l

RT: 10.21 min Scan# 1363

Delta R.T. 0.01 min

Lab File: VW008797.D

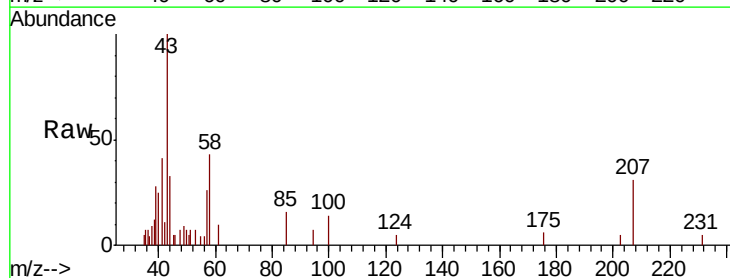
Acq: 22 Feb 2019 18:45

Tgt Ion: 43 Resp: 2420

Ion Ratio Lower Upper

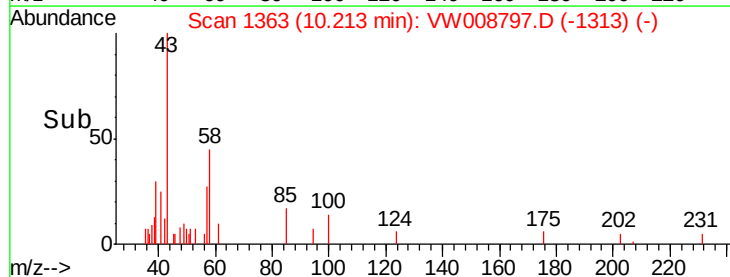
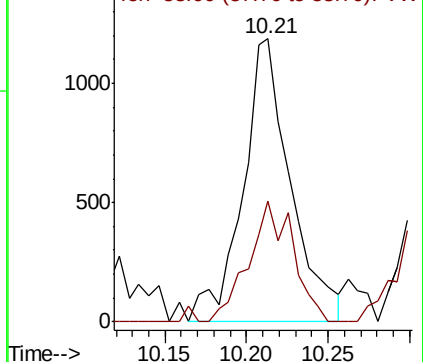
43 100

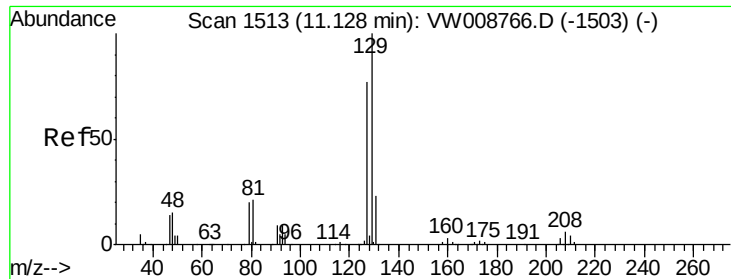
58 39.6 29.1 43.7



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW





#60

Dibromochloromethane

Concen: 4.679 ug/l

RT: 10.86 min Scan# 1469

Delta R.T. -0.27 min

Lab File: VW008797.D

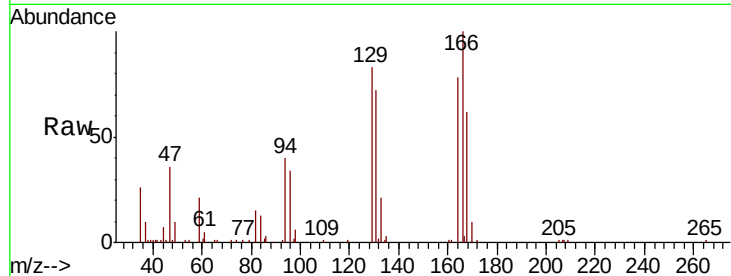
Acq: 22 Feb 2019 18:45

Tgt Ion: 129 Resp: 12734

Ion Ratio Lower Upper

129 100

127 0.0 39.0 116.9#



Abundance Ion 128.80 (128.50 to 129.50): V

Ion 126.80 (126.50 to 127.50): V

10.86

8000

6000

4000

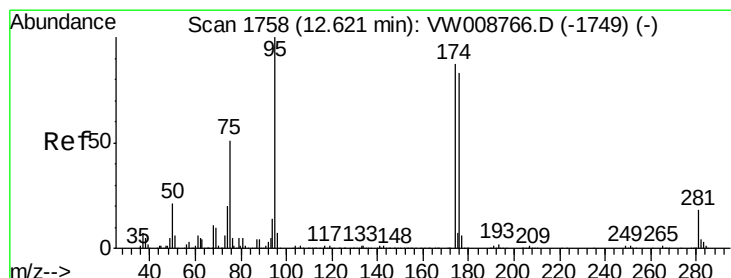
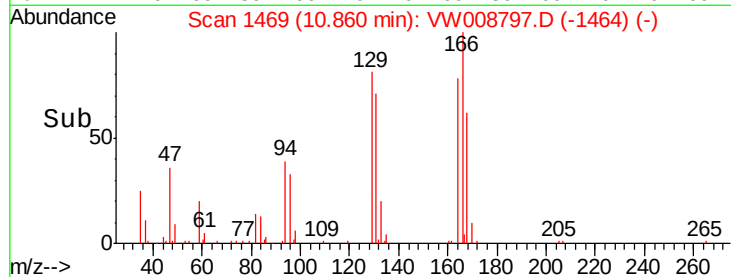
2000

0

10.85

10.90

Time-->



#62

4-Bromofluorobenzene

Concen: 43.679 ug/l

RT: 12.62 min Scan# 1758

Delta R.T. 0.00 min

Lab File: VW008797.D

Acq: 22 Feb 2019 18:45

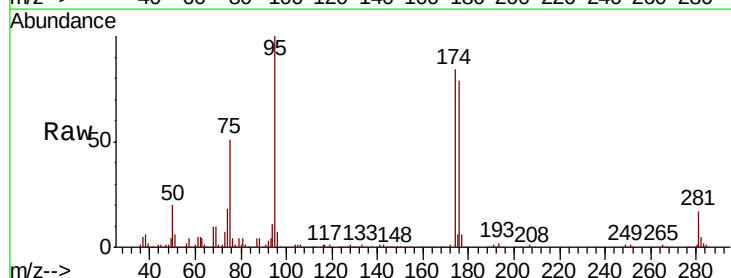
Tgt Ion: 95 Resp: 178507

Ion Ratio Lower Upper

95 100

174 85.5 0.0 169.2

176 82.0 0.0 163.6



Abundance Ion 94.90 (94.60 to 95.60): VW

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

150000

100000

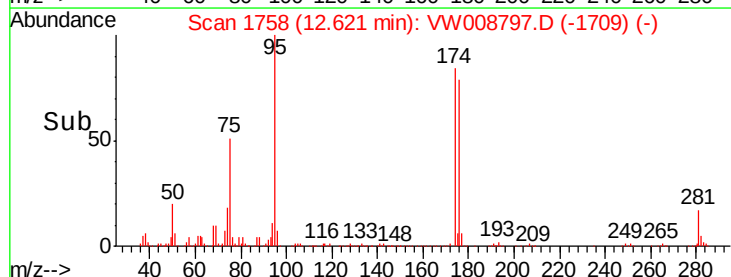
50000

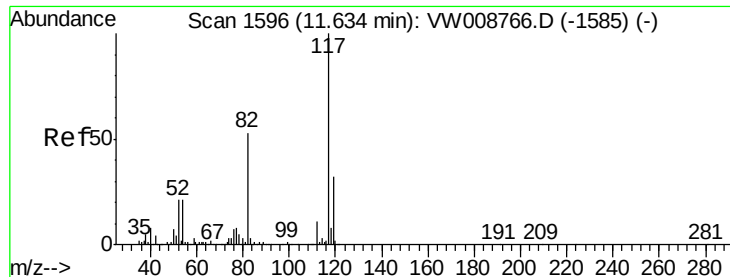
0

12.60

12.70

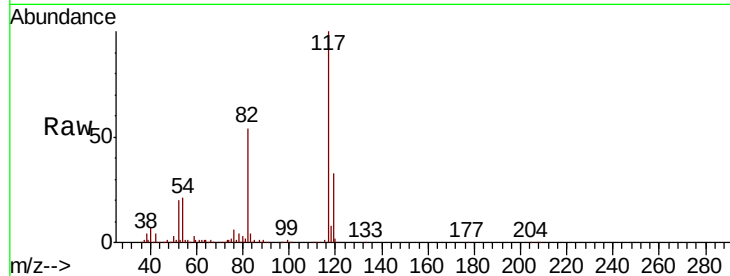
Time-->





#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1596
Delta R.T. 0.00 min
Lab File: VW008797.D
Acq: 22 Feb 2019 18:45

Tgt Ion:	117	Resp:	386730
Ion	Ratio	Lower	Upper
117	100		
82	53.6	42.2	63.4
119	32.7	25.9	38.9

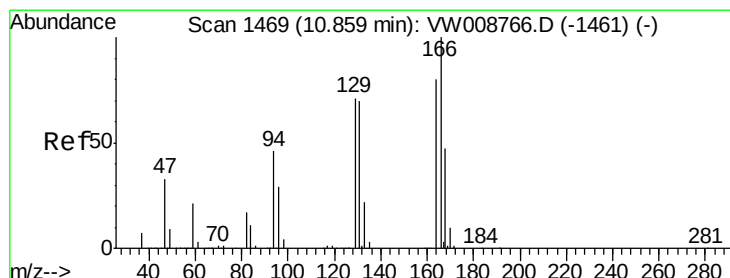
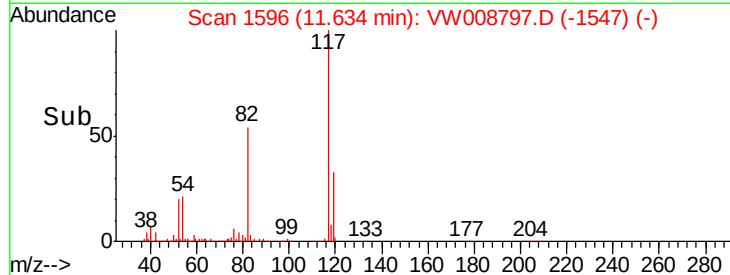
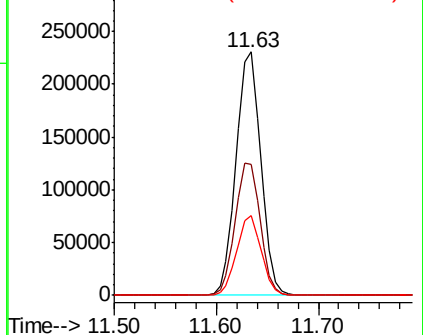


Abundance

Ion 116.90 (116.60 to 117.60): V

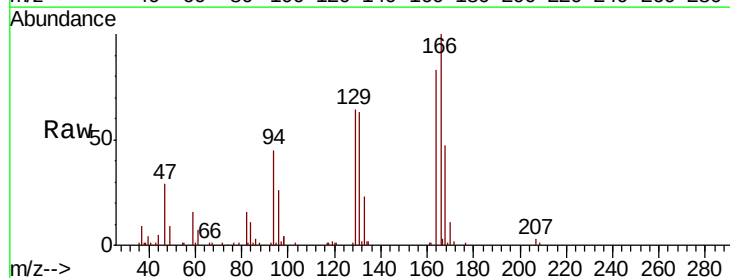
Ion 82.00 (81.70 to 82.70): V

Ion 118.90 (118.60 to 119.60): V



#64
Tetrachloroethene
Concen: 5.573 ug/l
RT: 10.87 min Scan# 1470
Delta R.T. 0.01 min
Lab File: VW008797.D
Acq: 22 Feb 2019 18:45

Tgt Ion:	164	Resp:	15428
Ion	Ratio	Lower	Upper
164	100		
166	120.0	99.5	149.3
129	77.3	71.1	106.7
131	76.2	69.8	104.8



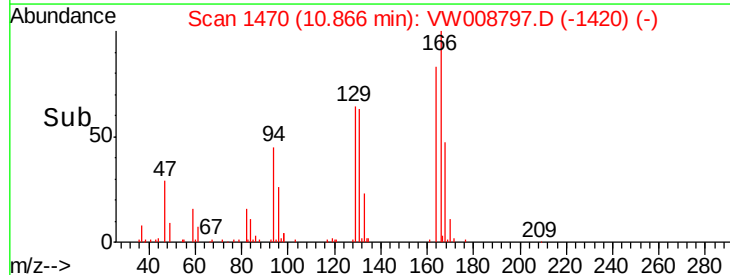
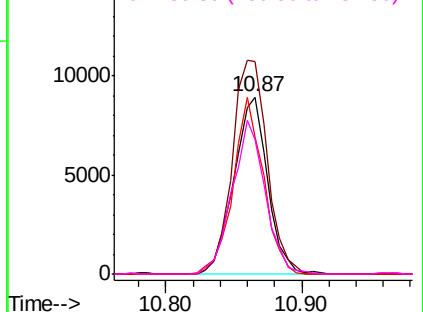
Abundance

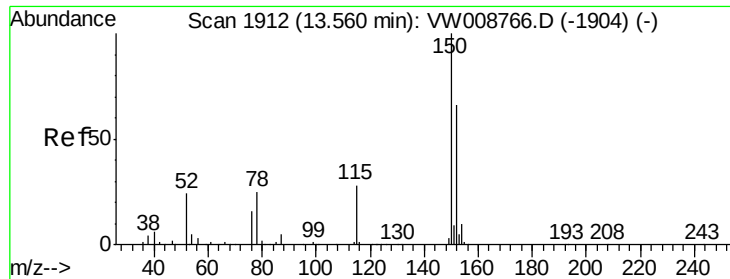
Ion 163.80 (163.50 to 164.50): V

Ion 165.80 (165.50 to 166.50): V

Ion 128.80 (128.50 to 129.50): V

Ion 130.80 (130.50 to 131.50): V

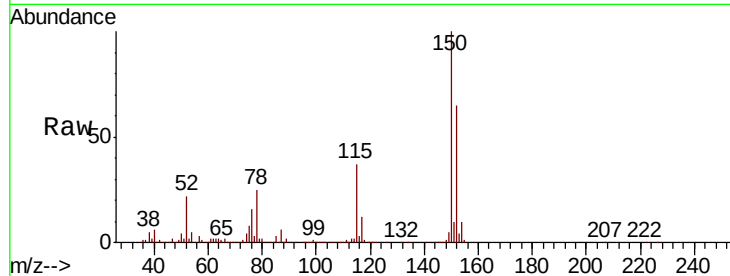




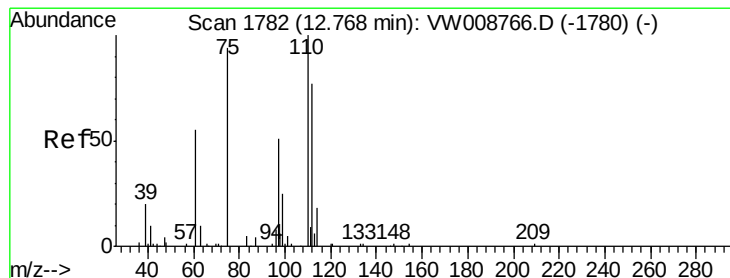
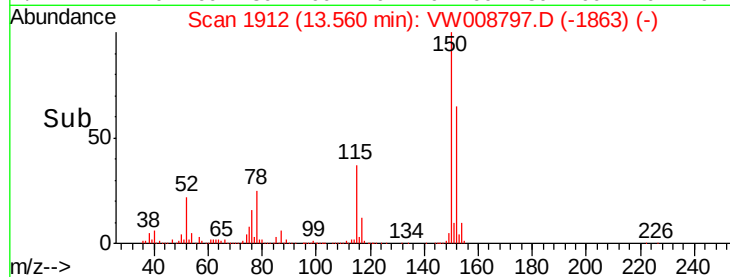
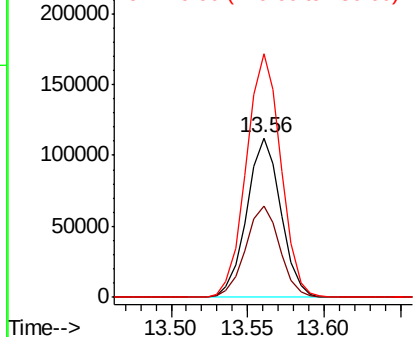
#72

1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.56 min Scan# 1912
Delta R.T. 0.00 min
Lab File: VW008797.D
Acq: 22 Feb 2019 18:45

Tgt Ion	Ratio	Lower	Upper
152	100		
115	57.4	28.6	85.8
150	155.0	0.0	348.0



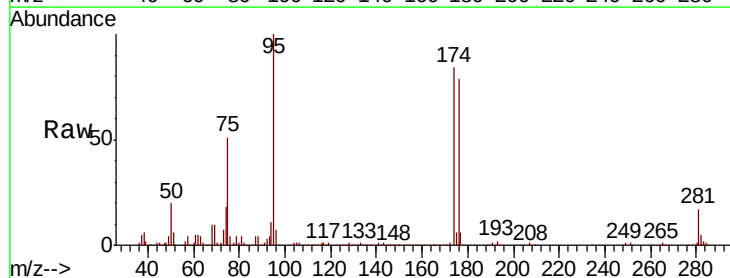
Abundance Ion 151.90 (151.60 to 152.60): V
Ion 114.90 (114.60 to 115.60): V
Ion 149.90 (149.60 to 150.60): V



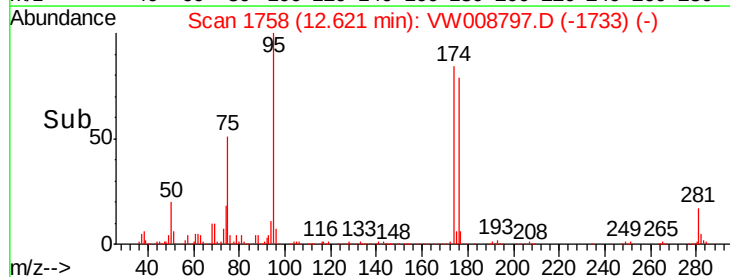
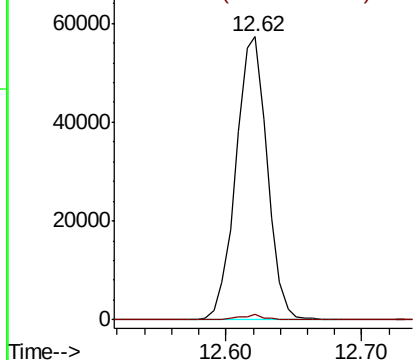
#76

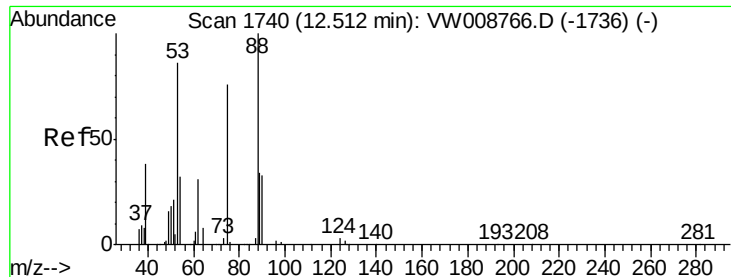
1,2,3-Trichloropropane
Concen: 63.928 ug/l
RT: 12.62 min Scan# 1758
Delta R.T. -0.15 min
Lab File: VW008797.D
Acq: 22 Feb 2019 18:45

Tgt Ion	Ratio	Lower	Upper
75	100		
77	1.7	0.0	0.0



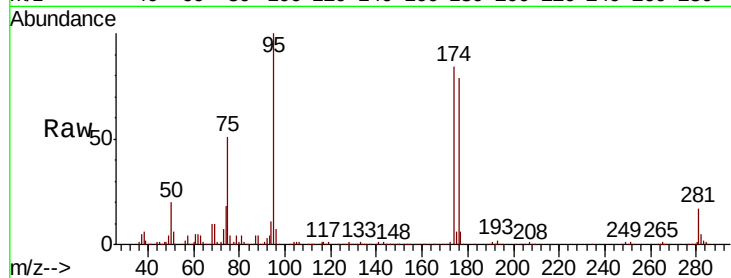
Abundance Ion 74.90 (74.60 to 75.60): VW
Ion 77.00 (76.70 to 77.70): VW





#81
 trans-1,4-Dichloro-2-butene
 Concen: 155.413 ug/l
 RT: 12.62 min Scan# 1758
 Delta R.T. 0.11 min
 Lab File: VW008797.D
 Acq: 22 Feb 2019 18:45

Tgt Ion	Ratio	Lower	Upper
75	100		
53	0.1	88.2	132.2#
89	0.1	39.5	59.3#



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

